

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
 Data File : VX005802.D
 Acq On : 06 Nov 2018 12:12
 Operator : JC/MD
 Sample : VX1106MBS01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 11:02:34 AM

Quant Time: Nov 07 08:34:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	174951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271578	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	114973	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
35) Dibromofluoromethane	5.51	113	89747	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	8.71	98	347691	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.14	95	120355	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	36779	18.198	ug/l	97
3) Chloromethane	1.32	50	45579	19.120	ug/l	96
4) Vinyl Chloride	1.41	62	46540	18.765	ug/l	98
5) Bromomethane	1.64	94	32057	10.416	ug/l	97
6) Chloroethane	1.72	64	28908	19.954	ug/l	99
7) Trichlorofluoromethane	1.93	101	58879	18.495	ug/l	98
8) Diethyl Ether	2.19	74	26395	18.446	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34476	17.829	ug/l	93
10) Methyl Iodide	2.51	142	34617	19.618	ug/l	95
11) Tert butyl alcohol	3.07	59	58366	84.024	ug/l	100
12) 1,1-Dichloroethene	2.37	96	33137	17.586	ug/l	98
13) Acrolein	2.29	56	40805	90.284	ug/l	97
14) Allyl chloride	2.73	41	66421	17.047	ug/l #	95
15) Acrylonitrile	3.15	53	133218	87.214	ug/l	97
16) Acetone	2.45	43	114504	80.753	ug/l	96
17) Carbon Disulfide	2.57	76	87300	15.077	ug/l	99
18) Methyl Acetate	2.78	43	66939	18.235	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	127712	19.580	ug/l	97
20) Methylene Chloride	2.86	84	39931	18.103	ug/l #	83
21) trans-1,2-Dichloroethene	3.16	96	34774	17.440	ug/l	93
22) Diisopropyl ether	3.87	45	129050	17.855	ug/l #	91
23) Vinyl Acetate	3.82	43	545112	86.588	ug/l	99
24) 1,1-Dichloroethane	3.70	63	68890	16.856	ug/l	98
25) 2-Butanone	4.70	43	177695	82.355	ug/l	96
26) 2,2-Dichloropropane	4.59	77	54809	17.940	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	40733	18.181	ug/l	98
28) Bromochloromethane	5.01	49	35185	17.646	ug/l	97
29) Tetrahydrofuran	5.16	42	110324	83.772	ug/l	92
30) Chloroform	5.21	83	69880	17.488	ug/l	97
31) Cyclohexane	5.57	56	58084	16.995	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	56219	17.580	ug/l	97
36) 1,1-Dichloropropene	5.80	75	48654	16.815	ug/l	98
37) Ethyl Acetate	4.86	43	65047	17.621	ug/l	98
38) Carbon Tetrachloride	5.79	117	46736	17.878	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52981	17.557	ug/l	95
40) Benzene	6.14	78	151711	17.624	ug/l	92
41) Methacrylonitrile	5.06	41	34978	17.537	ug/l	96
42) 1,2-Dichloroethane	6.20	62	55622	17.481	ug/l	99
43) Isopropyl Acetate	6.46	43	93911	17.528	ug/l	96
44) Trichloroethene	7.21	130	38467	19.322	ug/l	86
45) 1,2-Dichloropropane	7.52	63	45032	20.414	ug/l	98
46) Dibromomethane	7.66	93	24069	17.073	ug/l	91
47) Bromodichloromethane	7.90	83	46993	17.771	ug/l	97
48) Methyl methacrylate	7.77	41	47726	18.405	ug/l	97
49) 1,4-Dioxane	7.75	88	19072	330.287	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	319069	87.337	ug/l	97
52) Toluene	8.79	92	92225	19.808	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	52499	18.319	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	56082	18.266	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38813	19.195	ug/l	92
56) Ethyl methacrylate	9.18	69	56957	18.245	ug/l	98
57) 1,3-Dichloropropane	9.37	76	63306	18.226	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	174406	96.102	ug/l	100
59) 2-Hexanone	9.49	43	262367	88.248	ug/l	93
60) Dibromochloromethane	9.59	129	32463	16.614	ug/l	98
61) 1,2-Dibromoethane	9.68	107	37763	18.328	ug/l	100
64) Tetrachloroethene	9.34	164	35460	19.036	ug/l	95
65) Chlorobenzene	10.14	112	94447	17.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	31984	17.244	ug/l	97
67) Ethyl Benzene	10.25	91	164895	17.832	ug/l	98
68) m/p-Xylenes	10.36	106	124056	36.104	ug/l	97
69) o-Xylene	10.70	106	61799	18.805	ug/l	98
70) Styrene	10.71	104	102686	18.813	ug/l	98
71) Bromoform	10.86	173	24092	16.031	ug/l #	99
73) Isopropylbenzene	11.02	105	165309	20.130	ug/l	99
74) N-amyl acetate	10.90	43	80298	18.366	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	60939	17.887	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	57359m	18.502	ug/l	
77) Bromobenzene	11.26	156	40439	19.851	ug/l	90
78) n-propylbenzene	11.36	91	198401	19.860	ug/l	97
79) 2-Chlorotoluene	11.42	91	115177	19.304	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	139138	19.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17244	17.971	ug/l	97
82) 4-Chlorotoluene	11.51	91	135868	19.074	ug/l	98
83) tert-Butylbenzene	11.77	119	134961	20.286	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	144768	20.561	ug/l	98
85) sec-Butylbenzene	11.94	105	171648	20.113	ug/l	97
86) p-Isopropyltoluene	12.07	119	147982	20.388	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	75360	19.132	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	75388	17.816	ug/l	97
89) n-Butylbenzene	12.39	91	143952	19.657	ug/l	98
90) Hexachloroethane	12.60	117	21709	16.858	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	75631	18.379	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14325	17.927	ug/l	93

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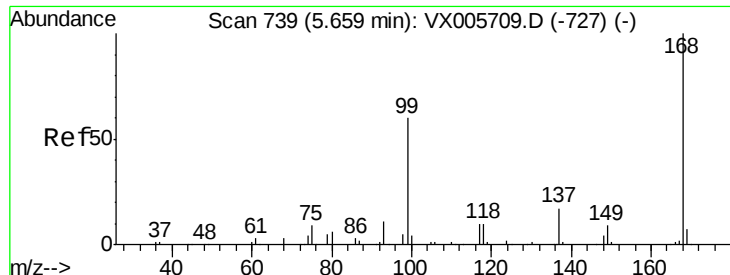
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54934	20.814	µg/l	98
94) Hexachlorobutadiene	13.79	225	24081	18.860	µg/l	99
95) Naphthalene	13.83	128	191610	22.075	µg/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	55683	20.724	µg/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:168 Resp: 174951

Ion Ratio Lower Upper

168 100

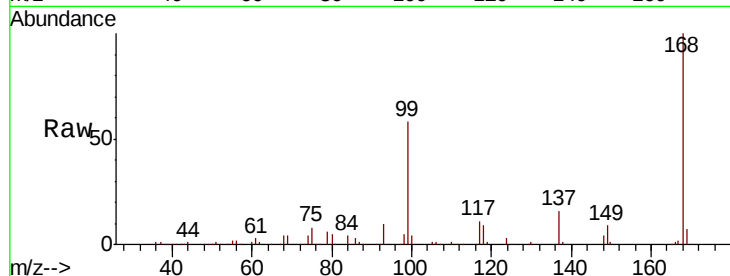
99 57.5 40.7 61.1

Manual Integrations

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11/7/2018 11:02:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

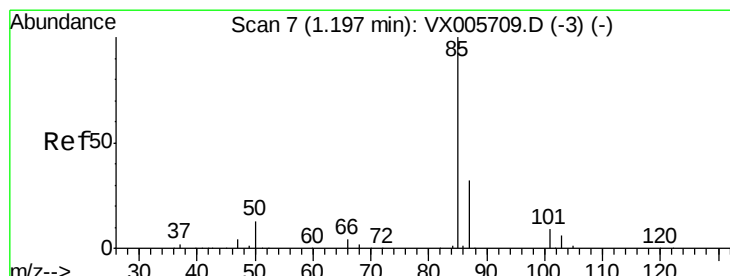
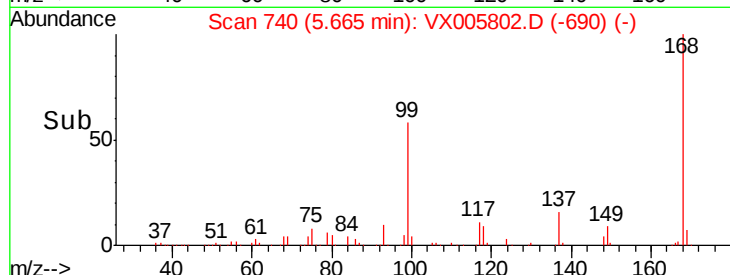
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.198 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005802.D

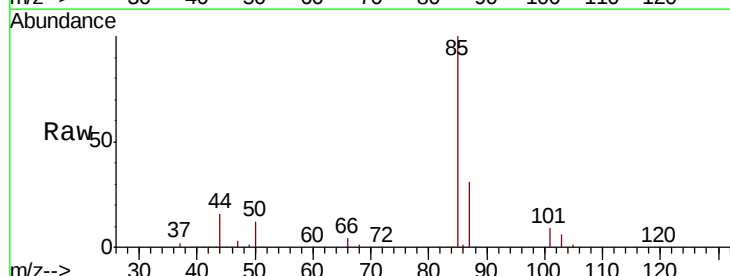
Acq: 06 Nov 2018 12:12

Tgt Ion: 85 Resp: 36779

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

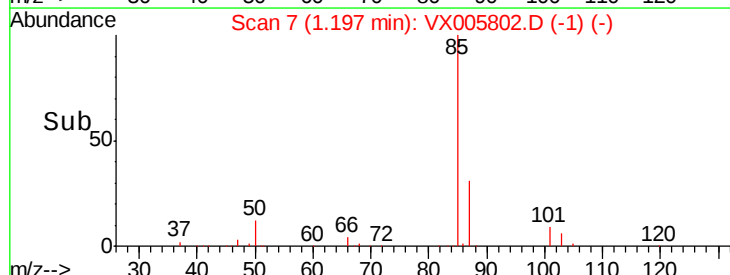
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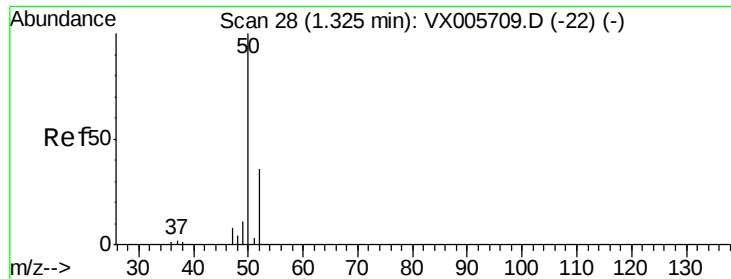
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.120 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 50 Resp: 45579

Ion Ratio Lower Upper

50 100

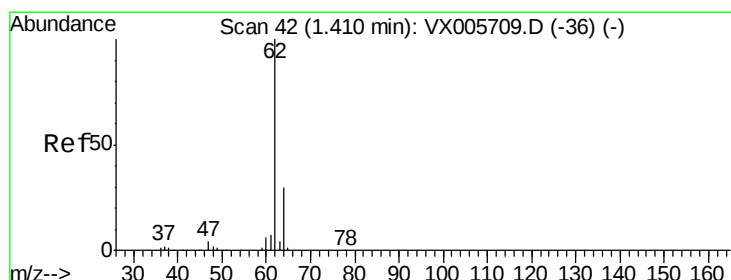
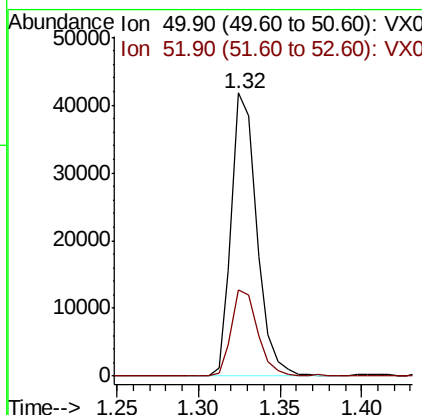
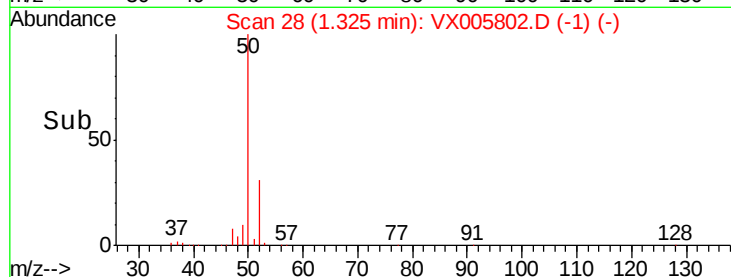
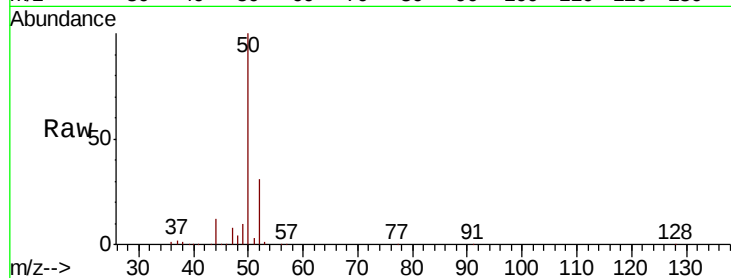
52 30.6 26.2 39.2

Manual Integrations

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11/7/2018 11:02:34 AM



#4

Vinyl Chloride

Concen: 18.765 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX005802.D

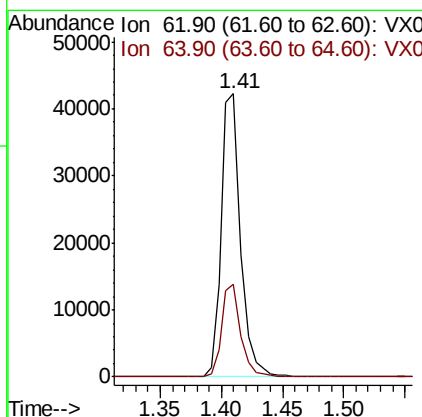
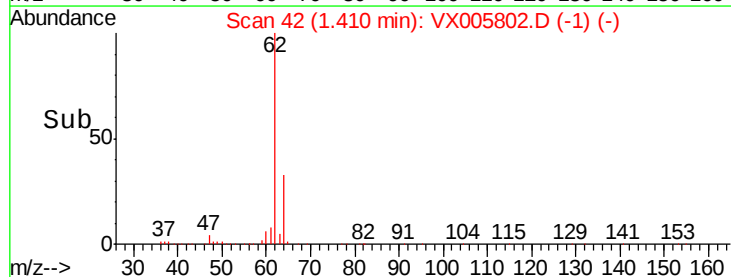
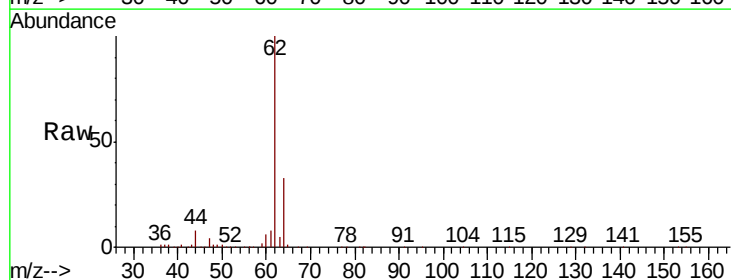
Acq: 06 Nov 2018 12:12

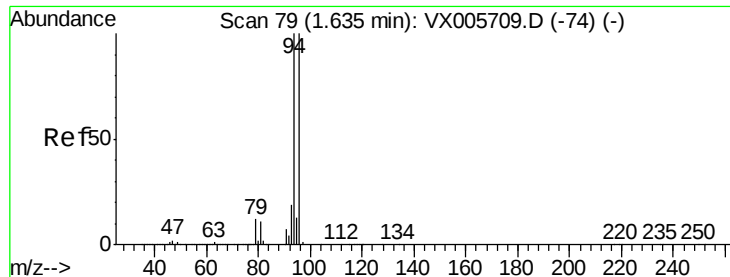
Tgt Ion: 62 Resp: 46540

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9





#5

Bromomethane

Concen: 10.416 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 94 Resp: 32057

Ion Ratio Lower Upper

94 100

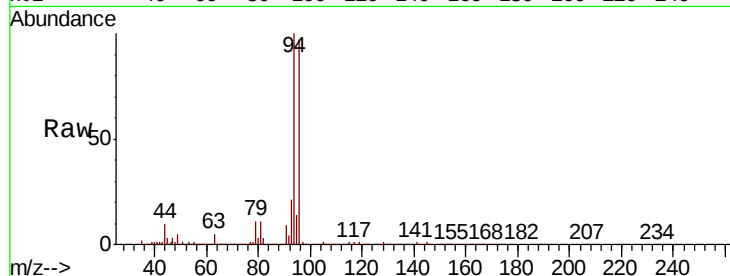
96 97.2 75.2 112.8

Manual Integrations

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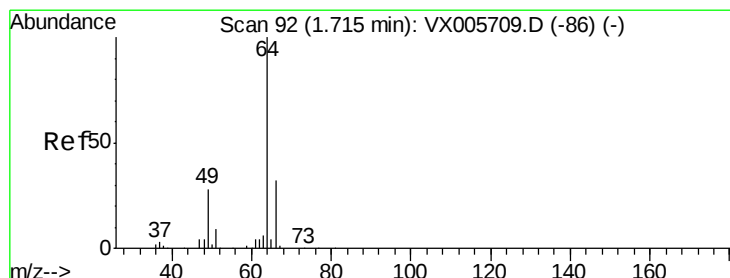
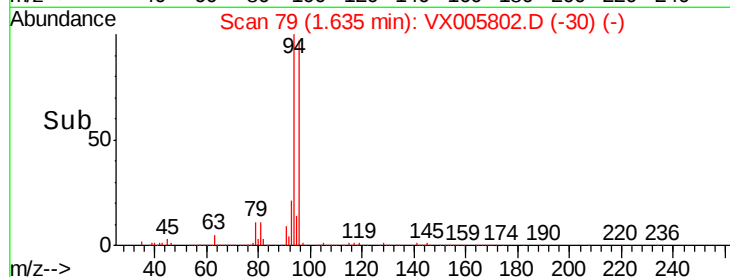
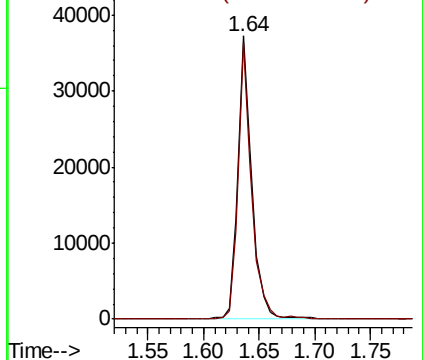
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11/7/2018 11:02:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.954 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005802.D

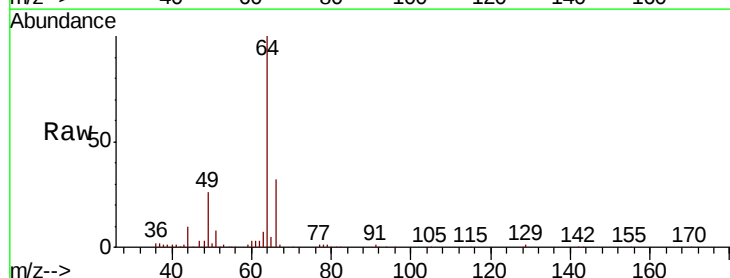
Acq: 06 Nov 2018 12:12

Tgt Ion: 64 Resp: 28908

Ion Ratio Lower Upper

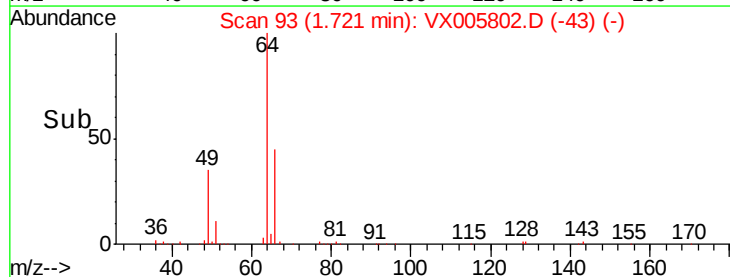
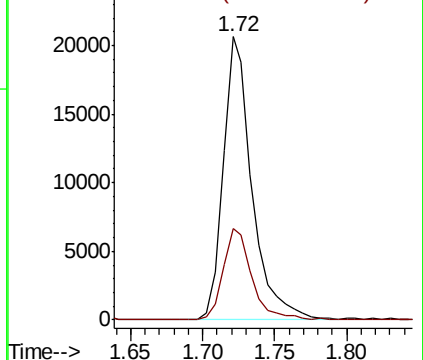
64 100

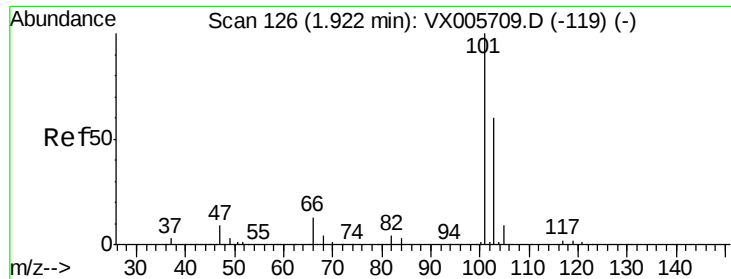
66 32.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

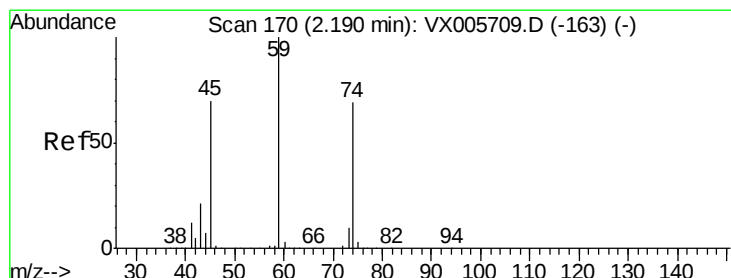
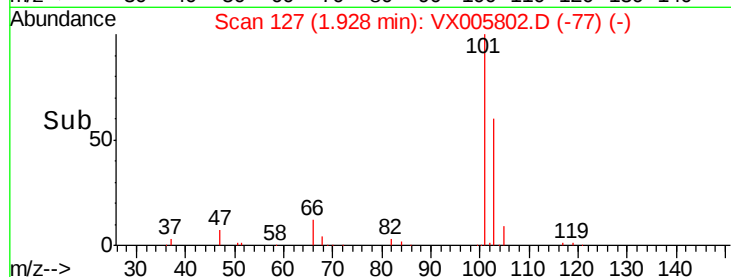
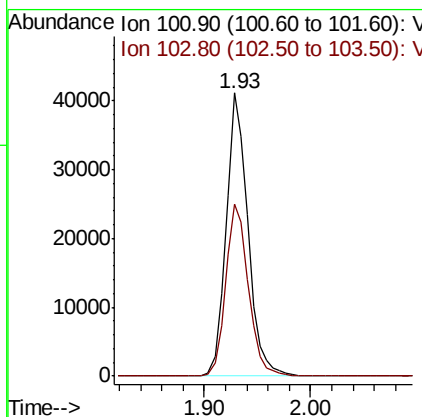
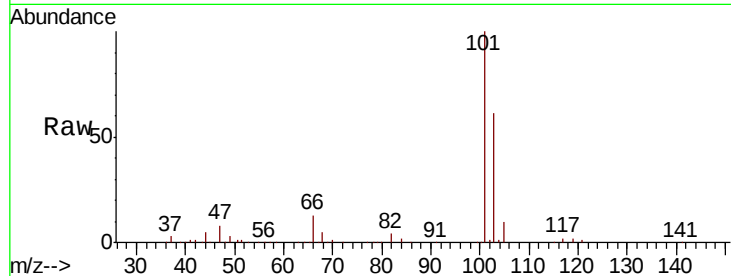
Trichlorofluoromethane
 Concen: 18.495 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
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 ClientSampleId :
 VX1106MBS01

Tot Ion:101 Resp: 58879
 Ion Ratio Lower Upper
 101 100
 103 60.6 50.0 75.0

Manual Integrations
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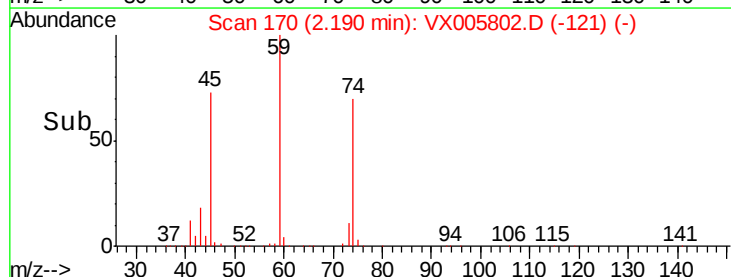
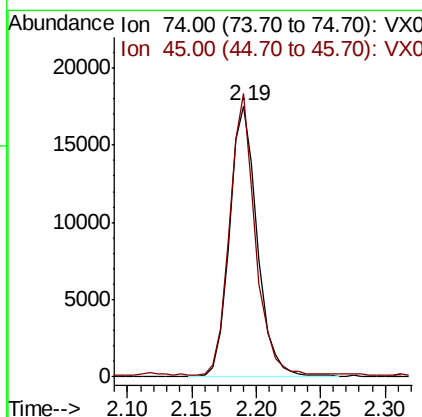
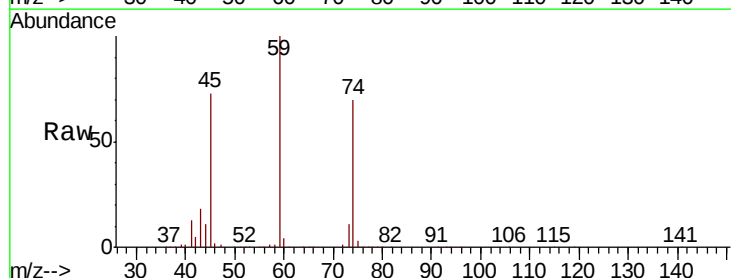
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 11/7/2018 11:02:34 AM

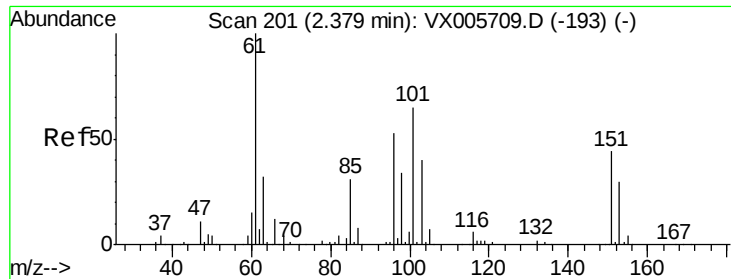


#8

Diethyl Ether
 Concen: 18.446 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion: 74 Resp: 26395
 Ion Ratio Lower Upper
 74 100
 45 96.5 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.829 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

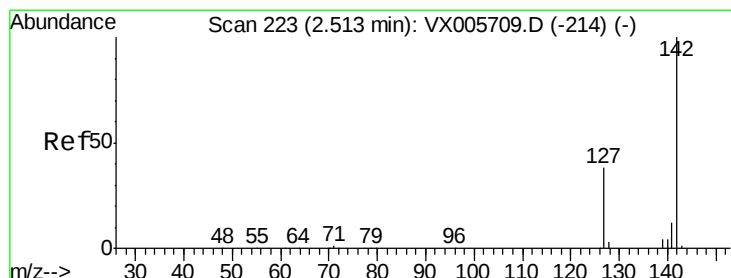
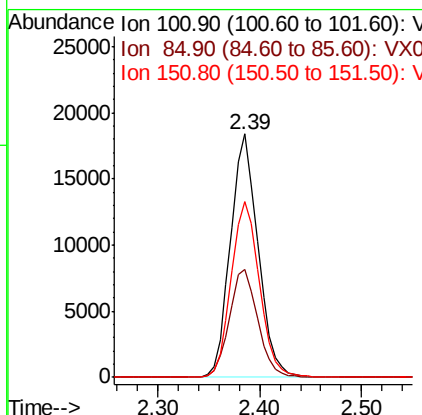
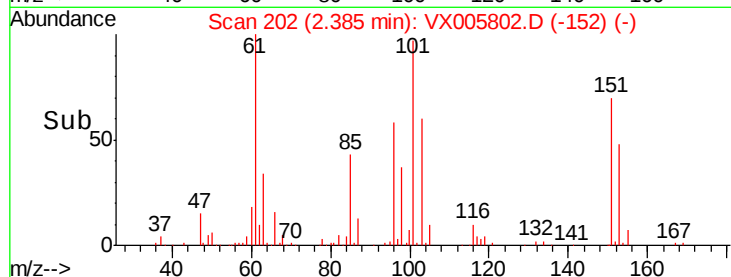
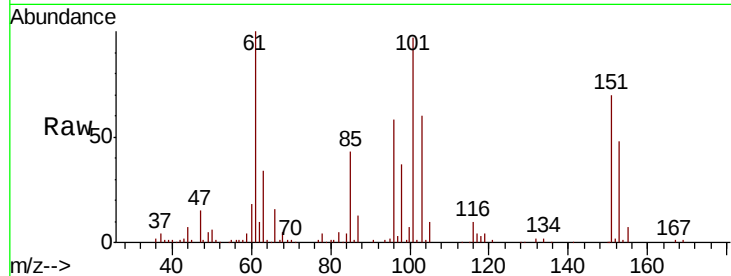
ClientSampleId :

VX1106MBS01

Tot Ion:	101	Resp:	34476
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.0	52.4
151	74.0	66.2	99.2

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#10

Methyl Iodide

Concen: 19.618 ug/l

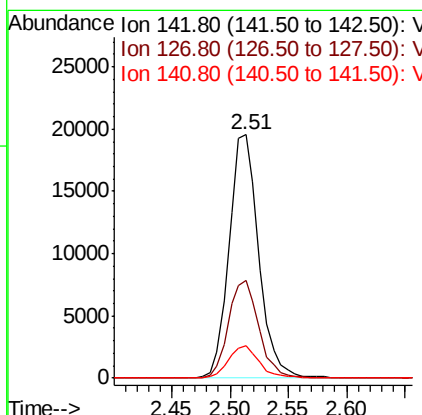
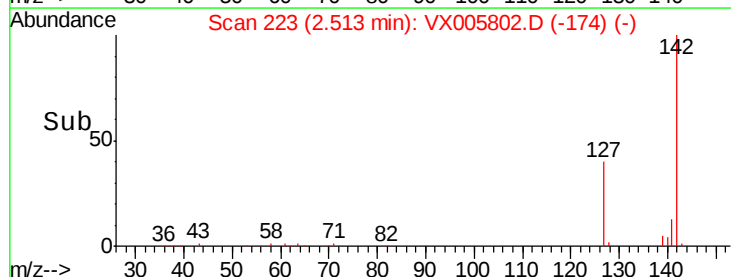
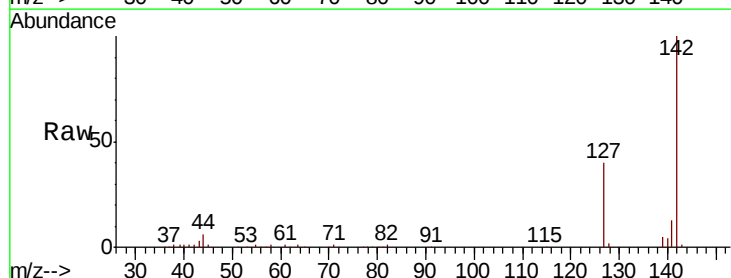
RT: 2.51 min Scan# 223

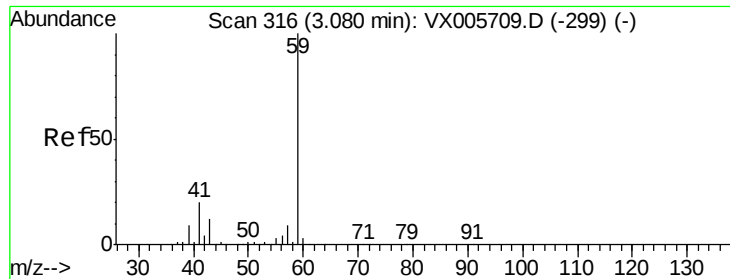
Delta R.T. 0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Tgt Ion:	142	Resp:	34617
Ion Ratio	Lower	Upper	
142	100		
127	41.1	36.0	54.0
141	13.8	11.7	17.5





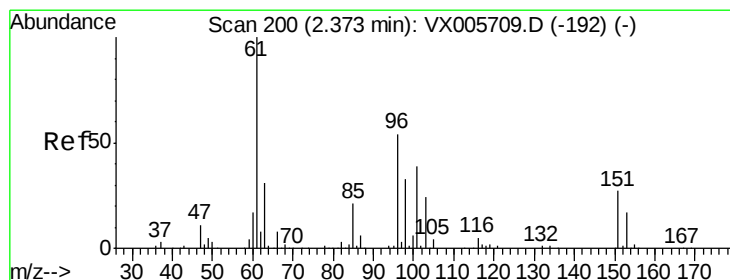
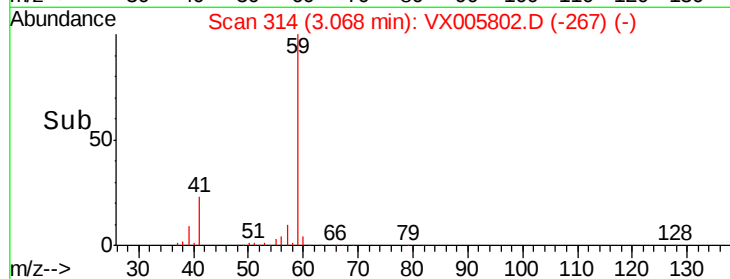
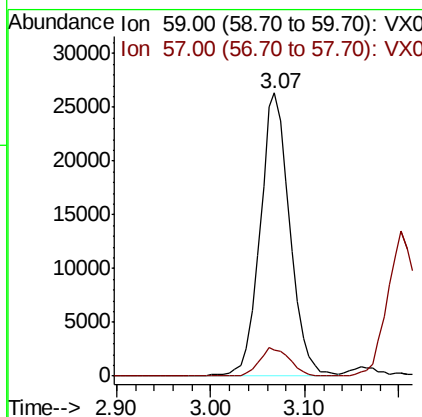
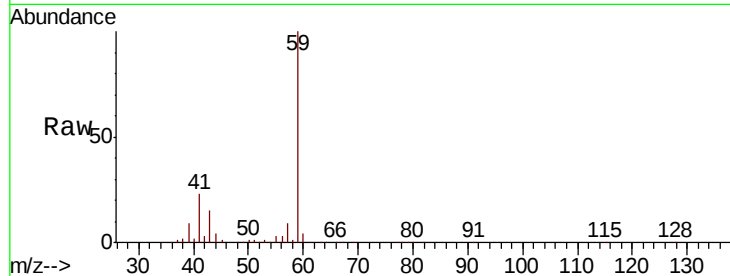
#11
Tert butyl alcohol
Concen: 84.024 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion: 59 Resp: 58366
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

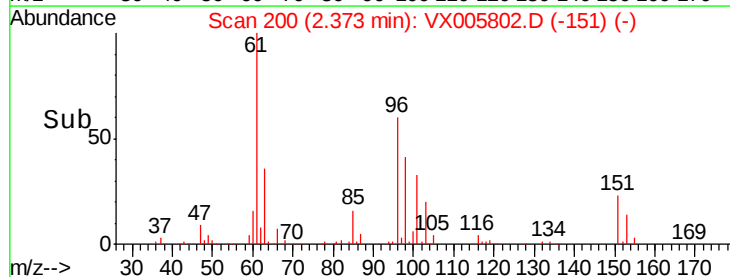
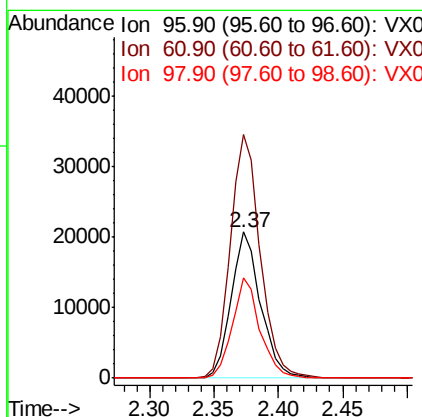
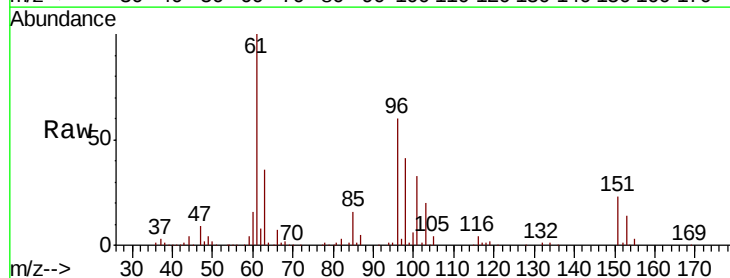
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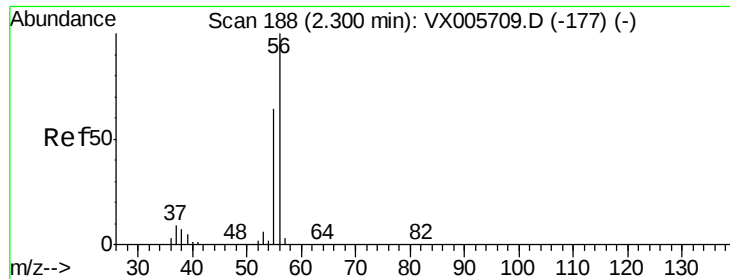
MMDadoda
11/7/2018 11:02:34 AM



#12
1,1-Dichloroethene
Concen: 17.586 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion: 96 Resp: 33137
Ion Ratio Lower Upper
96 100
61 166.8 131.8 197.8
98 68.3 53.4 80.2





#13

Acrolein

Concen: 90.284 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 56 Resp: 40805

Ion Ratio Lower Upper

56 100

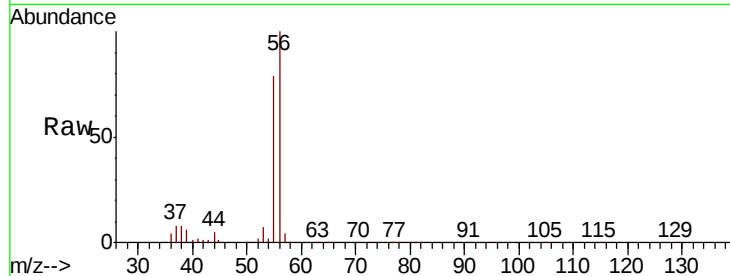
55 74.4 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

15000

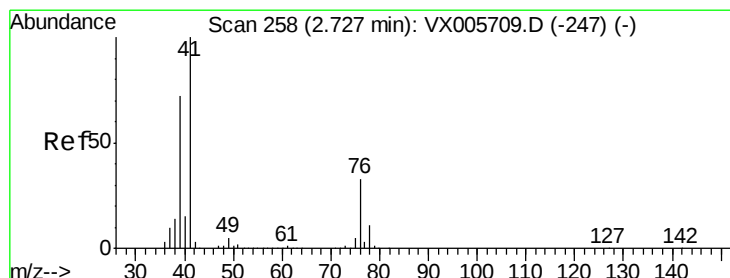
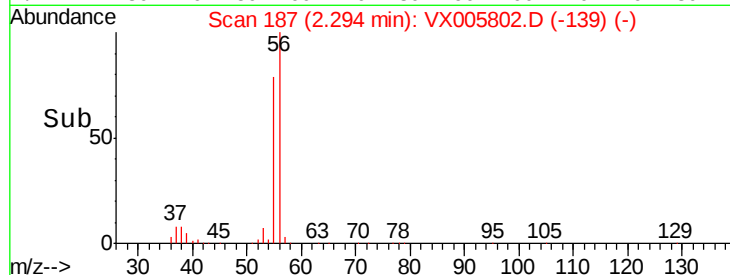
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 17.047 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

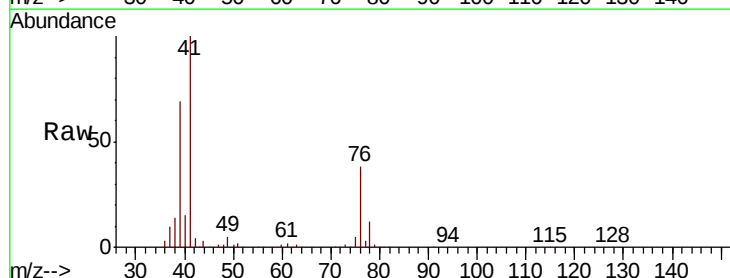
Tgt Ion: 41 Resp: 66421

Ion Ratio Lower Upper

41 100

39 62.3 48.2 72.4

76 33.3 21.9 32.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

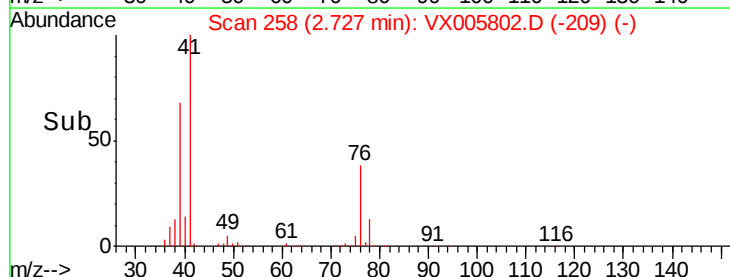
40000

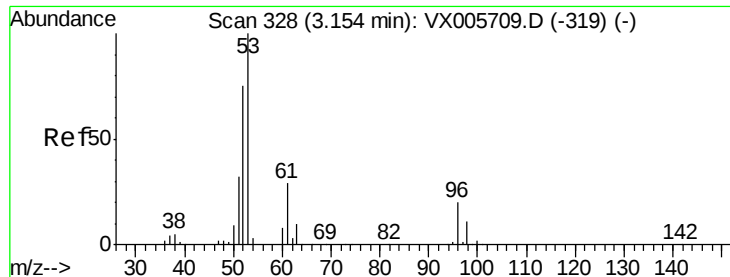
20000

0

Time-->

2.60 2.70 2.80





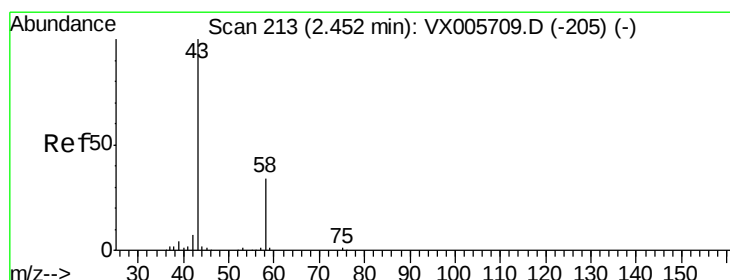
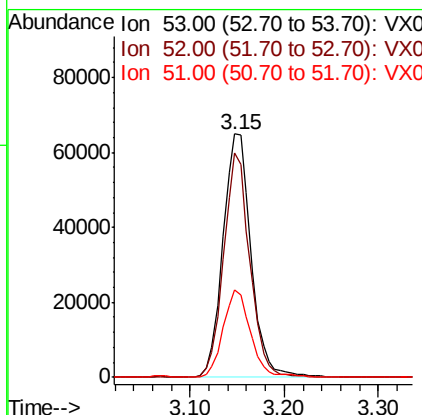
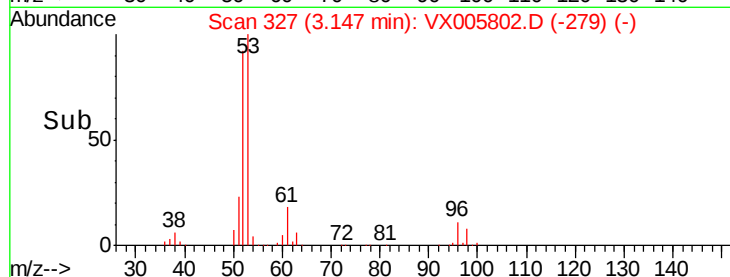
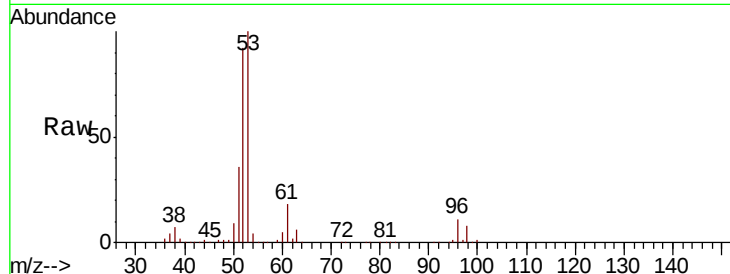
#15
Acrylonitrile
Concen: 87.214 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	86.4	66.6	99.8
51	35.2	28.4	42.6

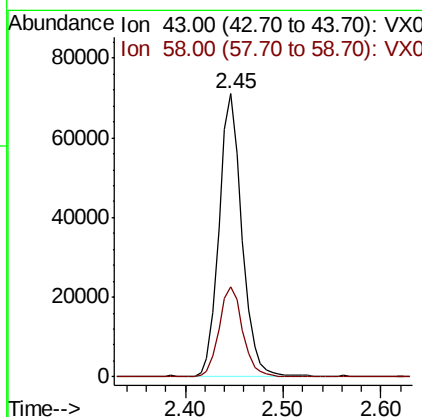
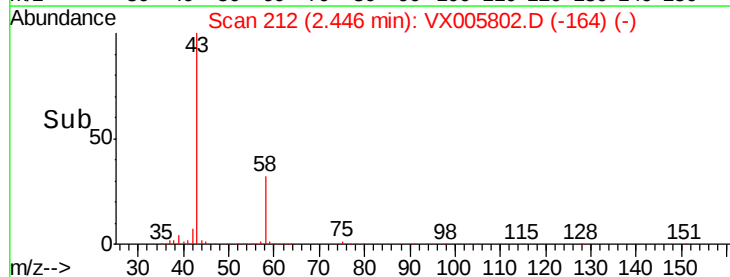
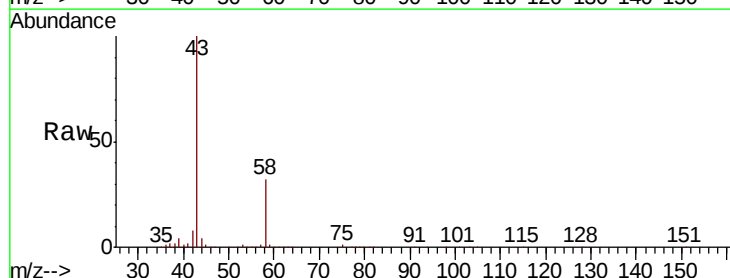
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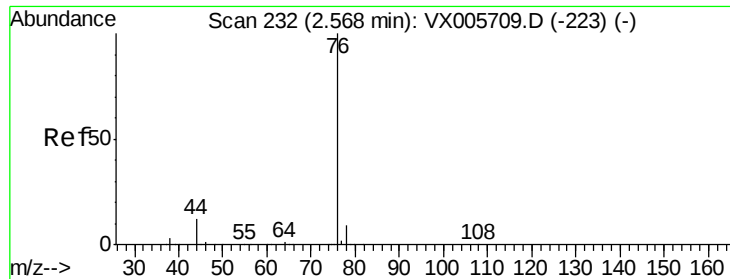
MMDadoda
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#16
Acetone
Concen: 80.753 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.8	35.6





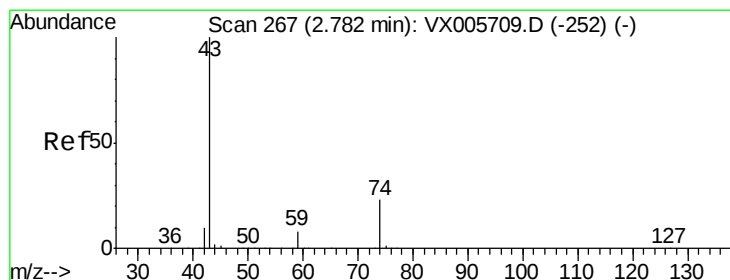
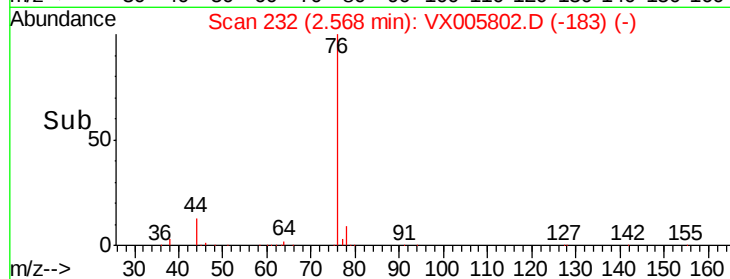
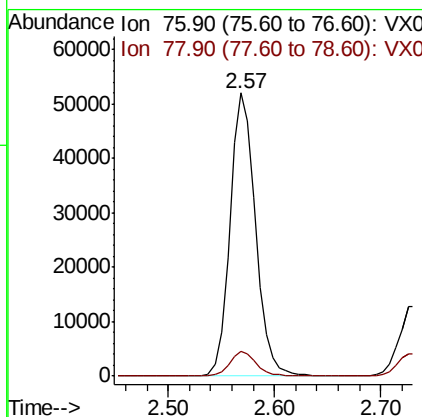
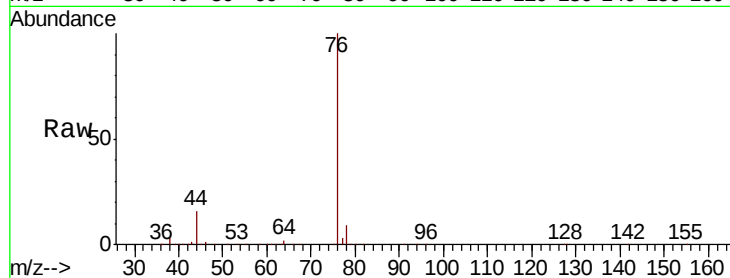
#17
Carbon Disulfide
Concen: 15.077 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion: 76 Resp: 87300
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

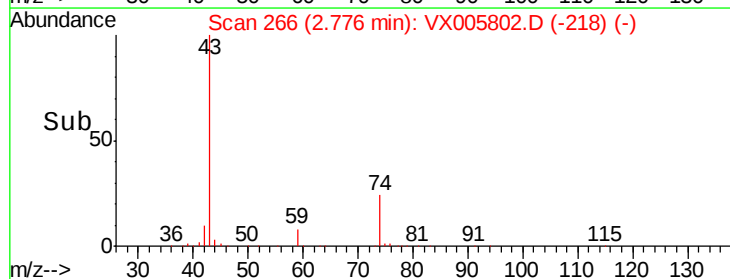
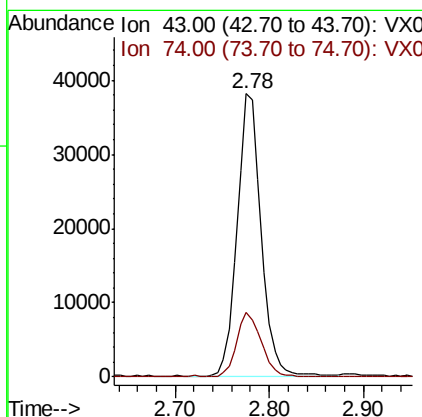
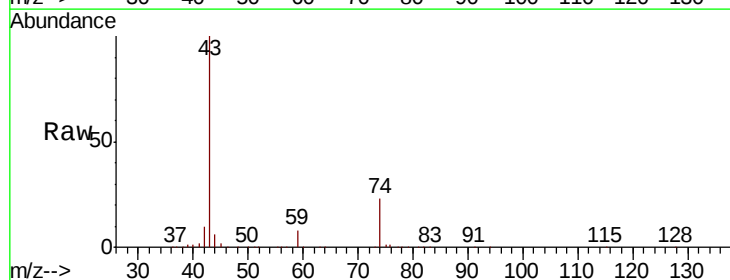
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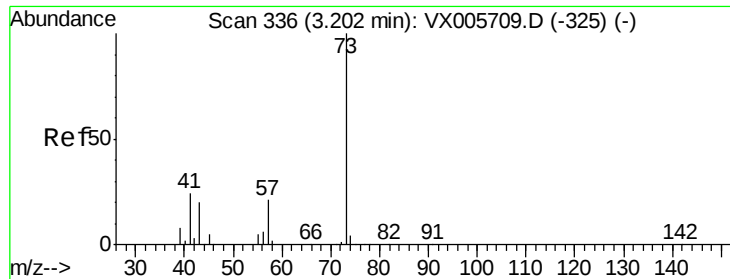
MMDadoda
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#18
Methyl Acetate
Concen: 18.235 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion: 43 Resp: 66939
Ion Ratio Lower Upper
43 100
74 23.6 16.8 25.2





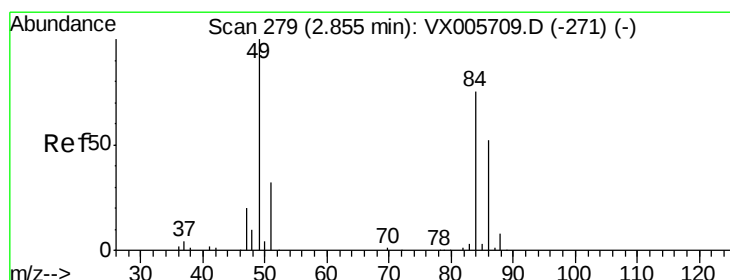
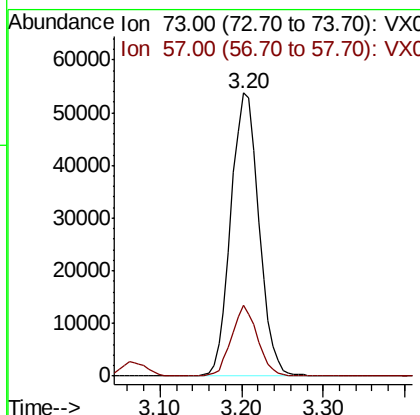
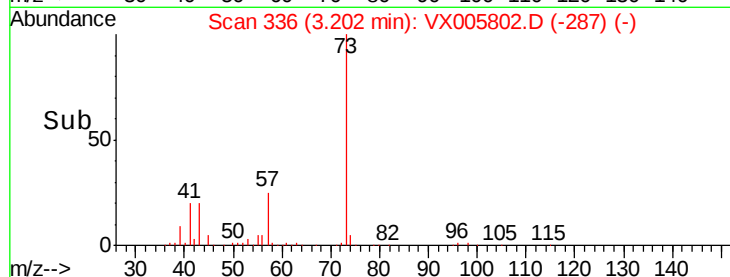
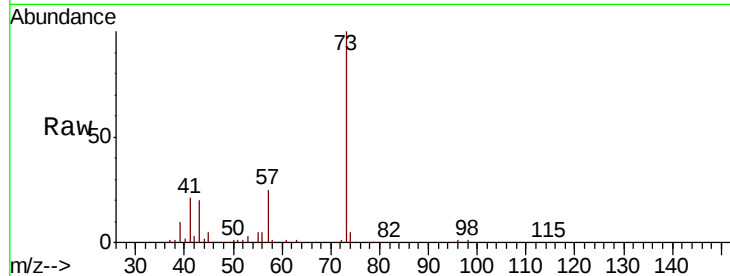
#19
Methyl tert-butyl Ether
Concen: 19.580 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion: 73 Resp: 127712
Ion Ratio Lower Upper
73 100
57 25.0 18.8 28.2

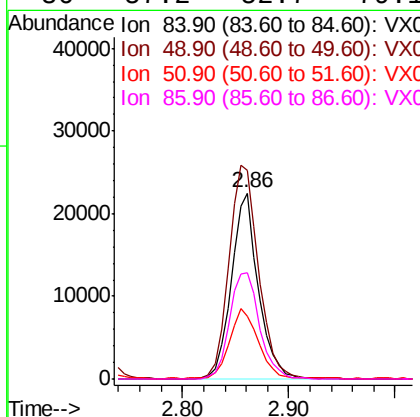
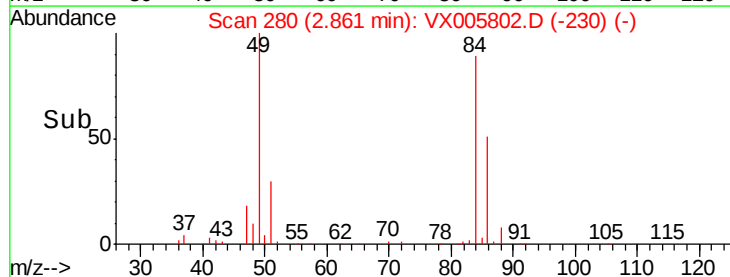
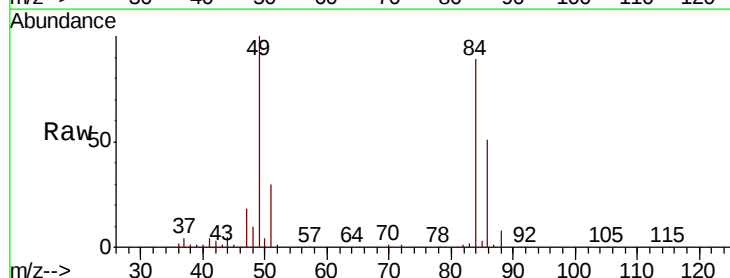
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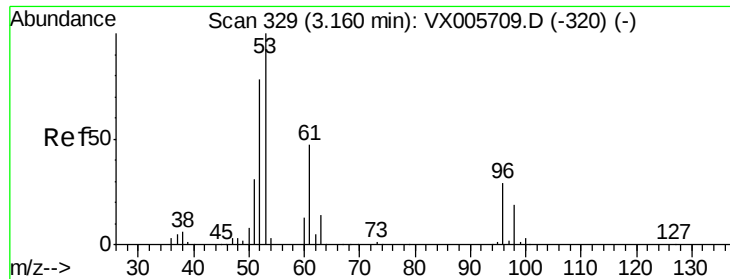
MMDadoda
11/7/2018 11:02:34 AM



#20
Methylene Chloride
Concen: 18.103 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion: 84 Resp: 39931
Ion Ratio Lower Upper
84 100
49 111.9 109.5 164.3
51 33.1 33.3 49.9#
86 57.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.440 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 96 Resp: 34774

Ion Ratio Lower Upper

96 100

61 136.3 115.6 173.4

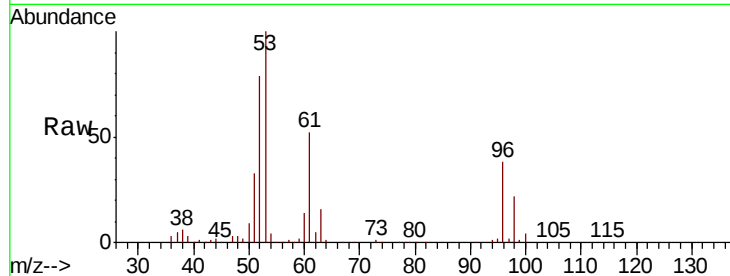
98 57.8 50.2 75.2

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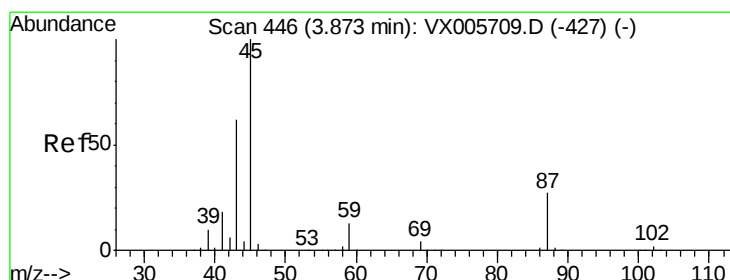
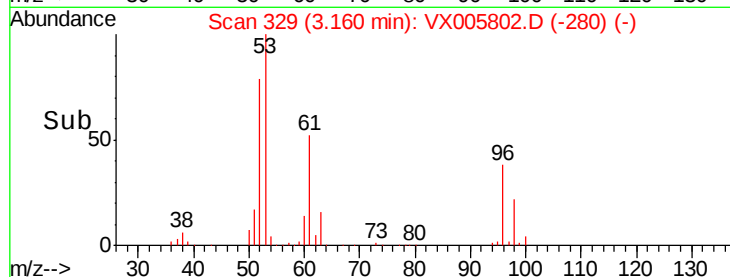
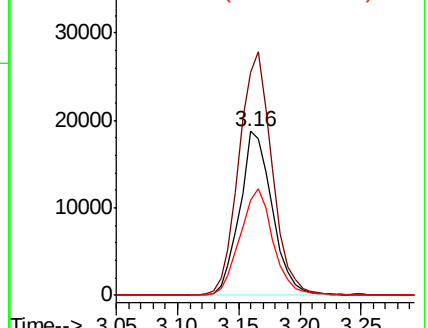
11/7/2018 11:02:34 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.855 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Tgt Ion: 45 Resp: 129050

Ion Ratio Lower Upper

45 100

43 66.3 47.4 71.2

87 24.7 15.9 23.9#

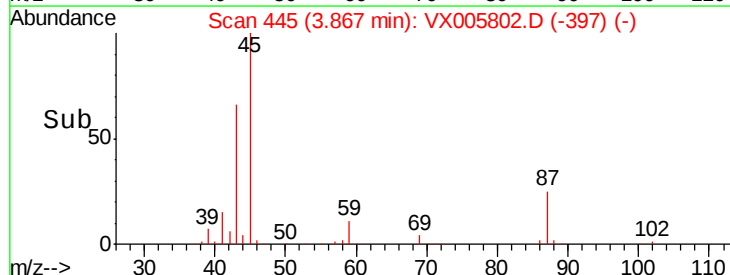
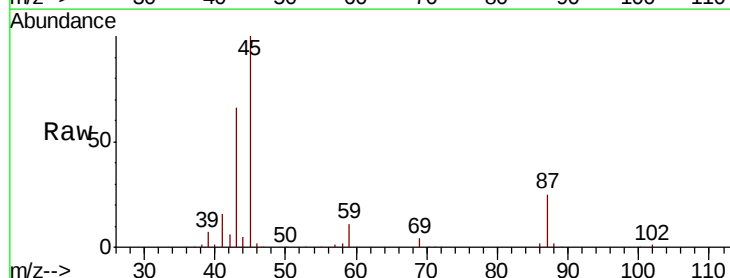
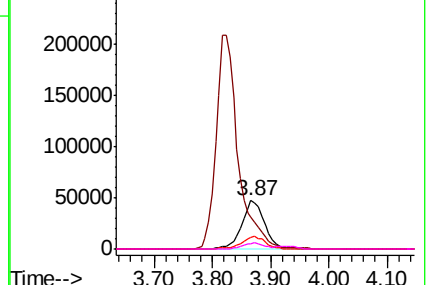
59 11.3 7.7 11.5

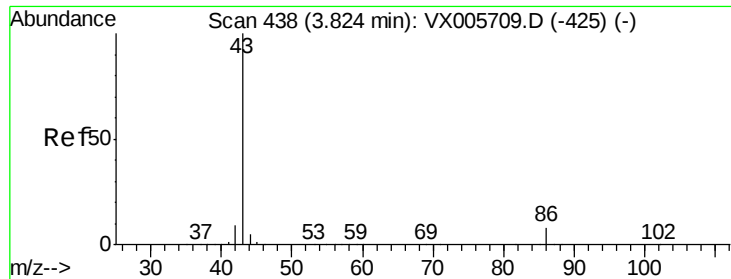
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 86.588 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 43 Resp: 545112

Ion Ratio Lower Upper

43 100

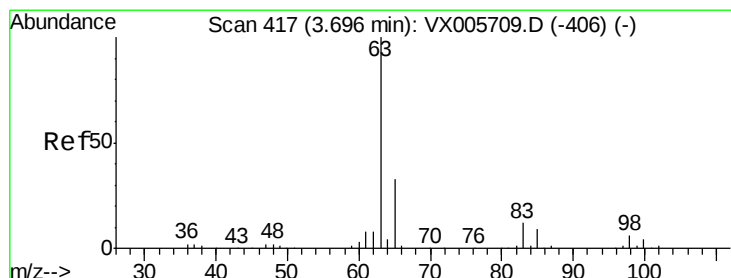
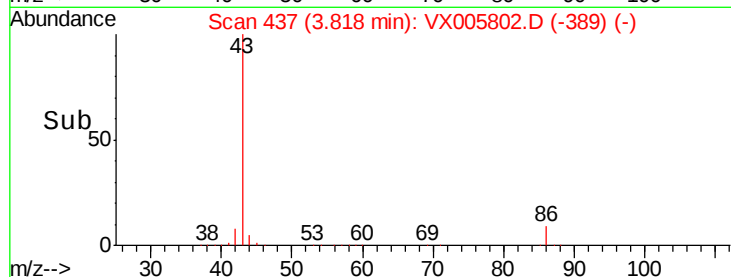
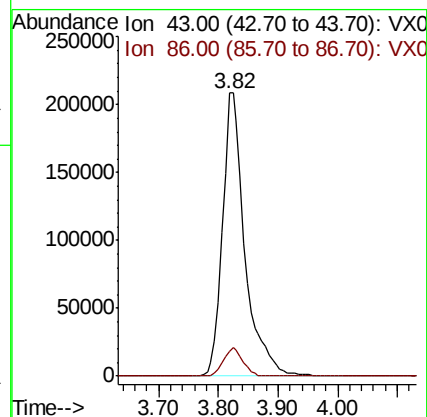
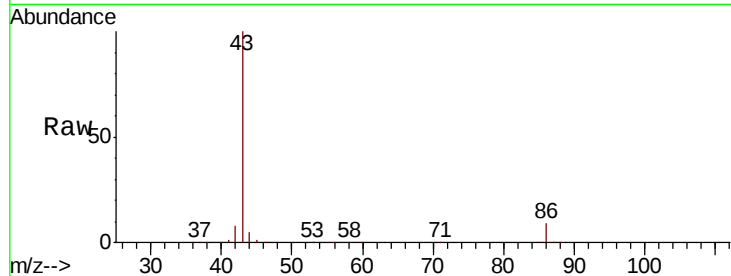
86 8.8 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 16.856 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

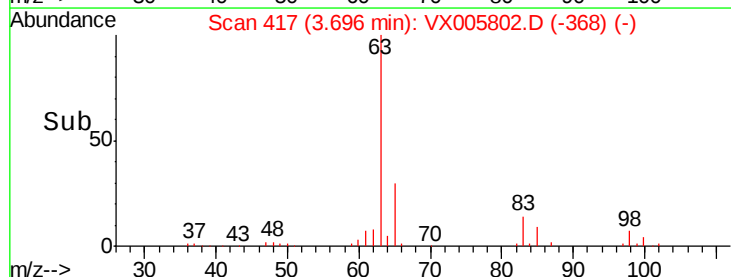
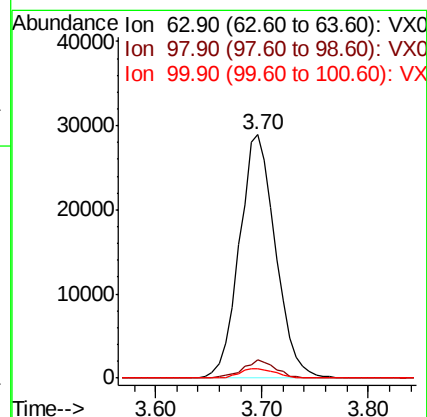
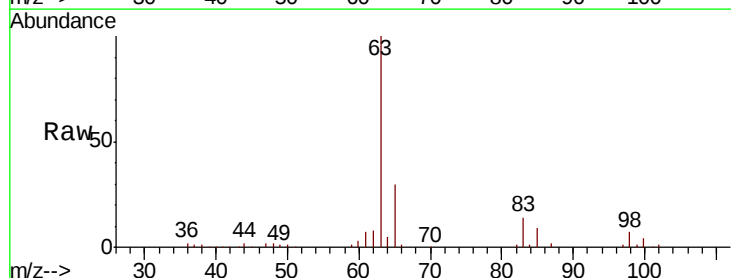
Tgt Ion: 63 Resp: 68890

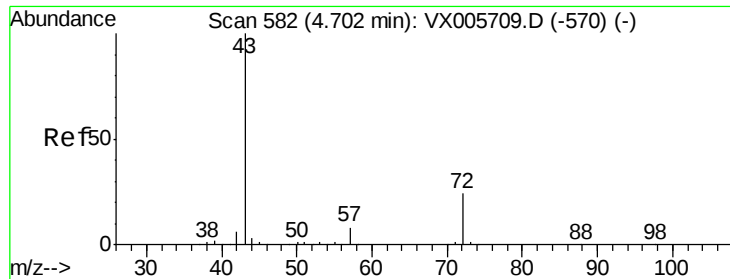
Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 82.355 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 43 Resp: 177695

Ion Ratio Lower Upper

43 100

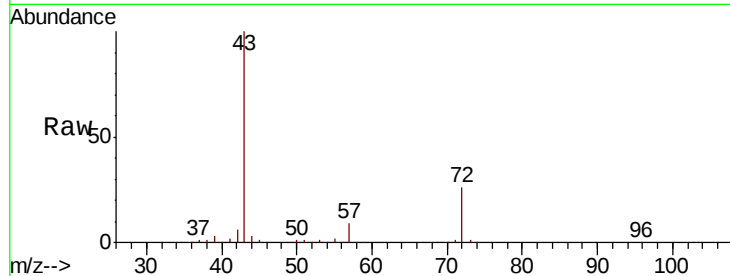
72 26.1 19.2 28.8

Manual Integrations

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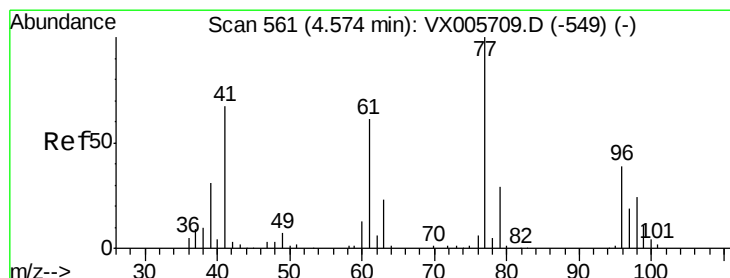
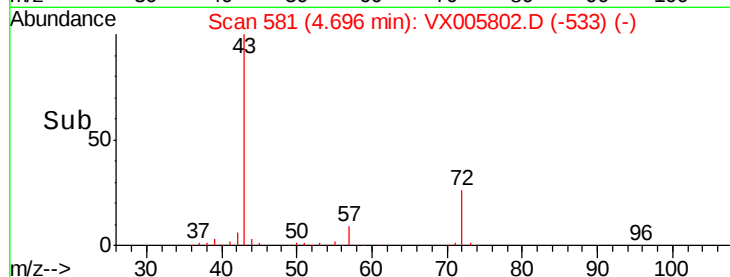
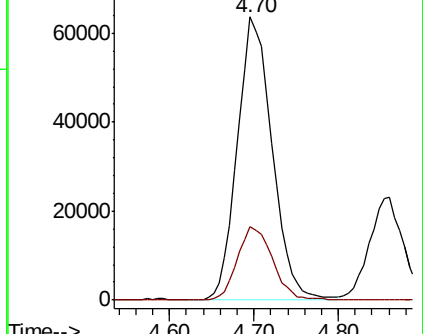
MMDadoda

11/7/2018 11:02:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX005709.D (-570) (-)

Ion 72.00 (71.70 to 72.70): VX005709.D (-570) (-)



#26

2,2-Dichloropropane

Concen: 17.940 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.02 min

Lab File: VX005802.D

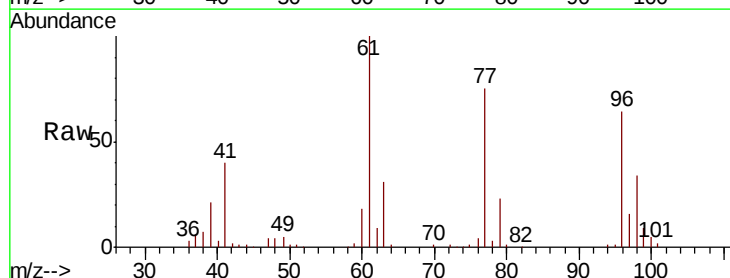
Acq: 06 Nov 2018 12:12

Tgt Ion: 77 Resp: 54809

Ion Ratio Lower Upper

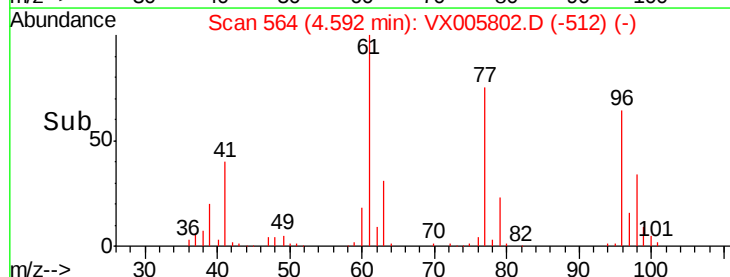
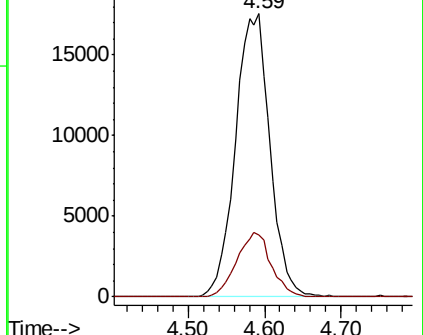
77 100

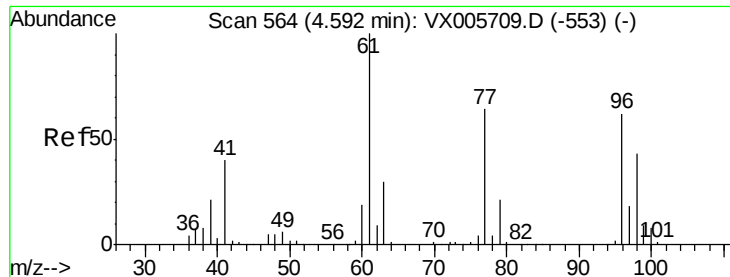
97 22.5 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX005709.D (-549) (-)

Ion 96.90 (96.60 to 97.60): VX005709.D (-549) (-)





#27

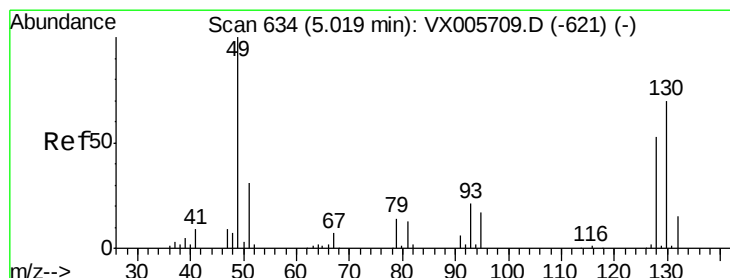
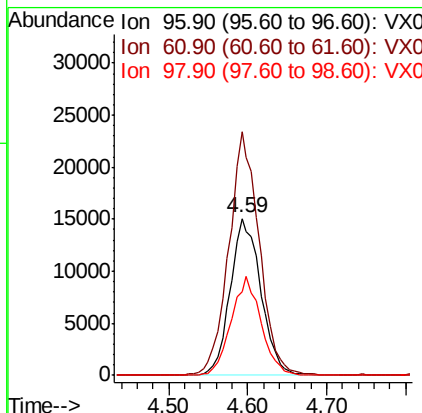
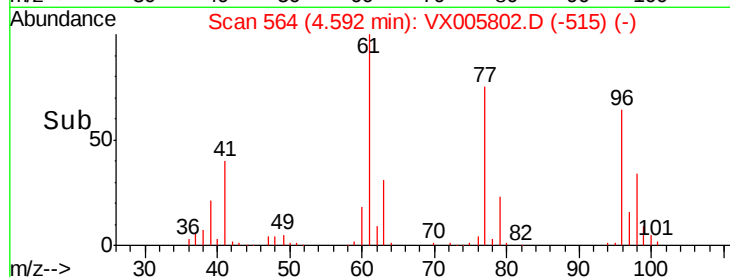
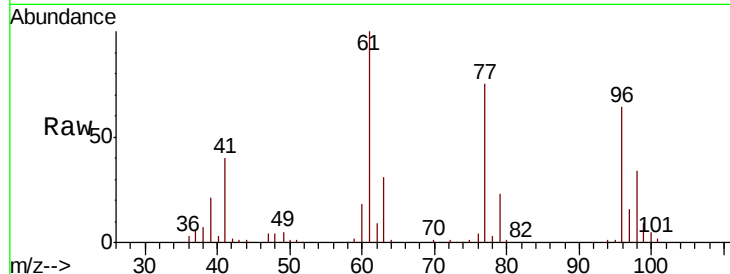
cis-1,2-Dichloroethene
Concen: 18.181 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	304.6
98	61.3	0.0	127.4

Manual Integrations
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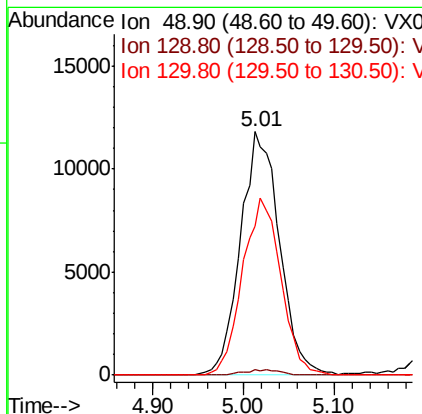
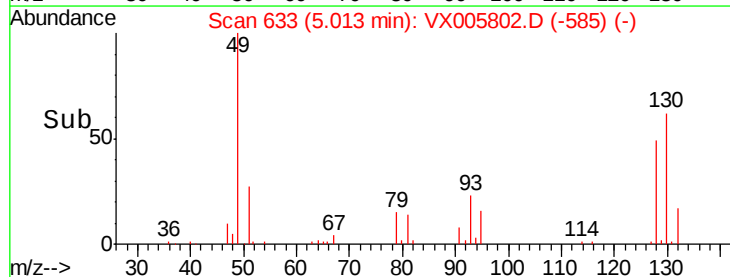
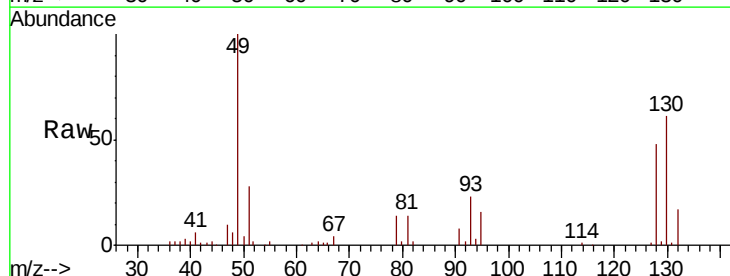
MMDadoda
11/7/2018 11:02:34 AM

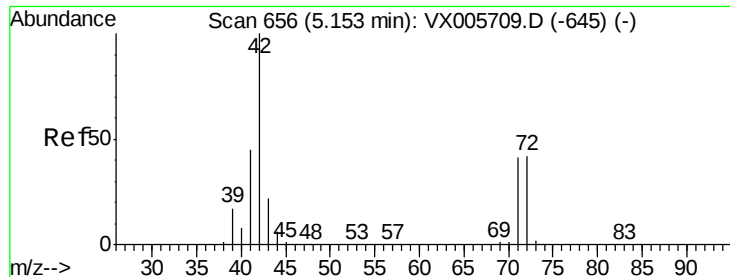


#28

Bromochloromethane
Concen: 17.646 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.1	58.9	88.3





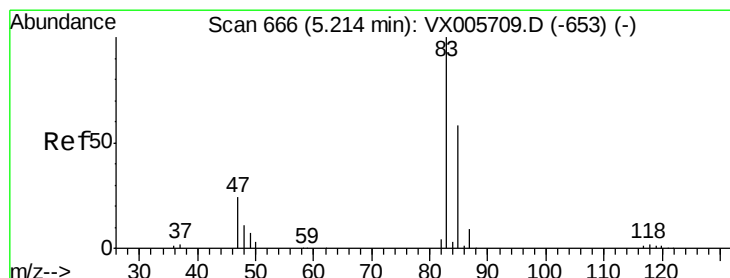
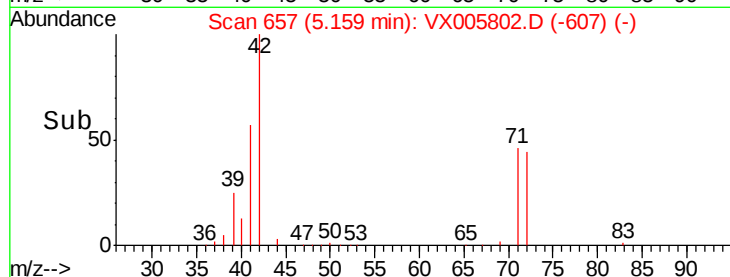
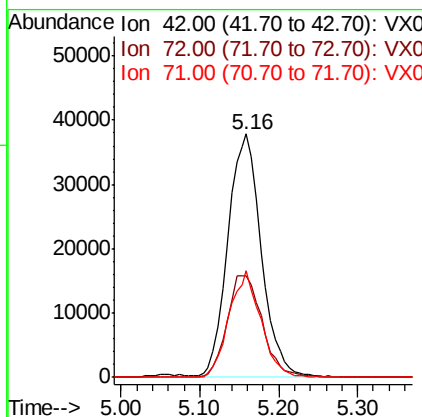
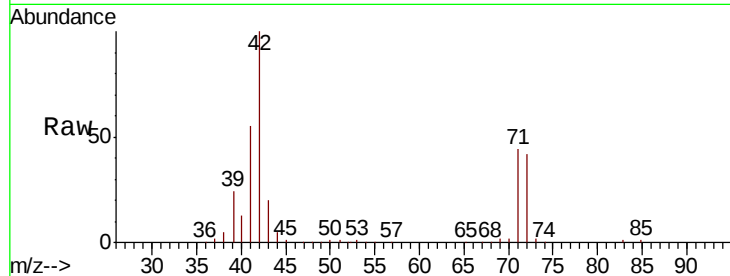
#29
Tetrahydrofuran
Concen: 83.772 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion: 42 Resp: 110324
Ion Ratio Lower Upper
42 100
72 44.6 32.0 48.0
71 41.9 29.8 44.8

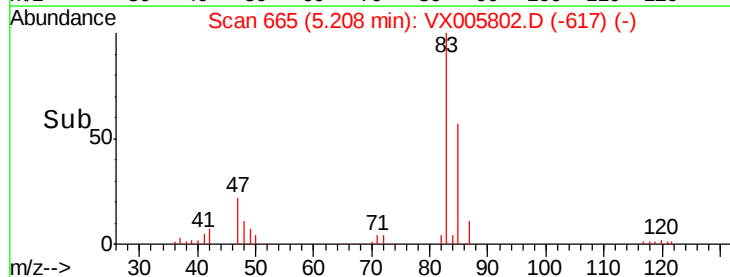
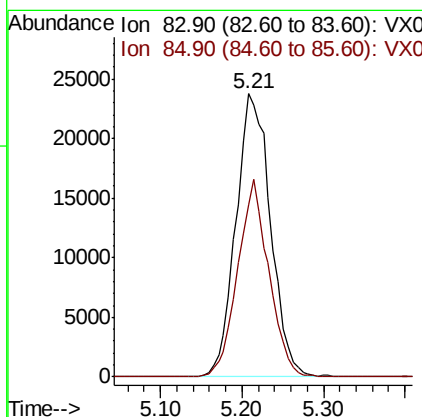
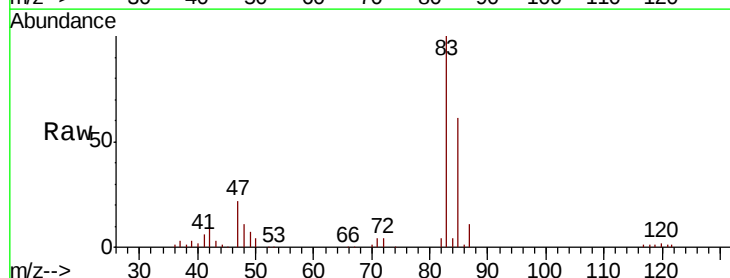
Manual Integrations
APPROVED

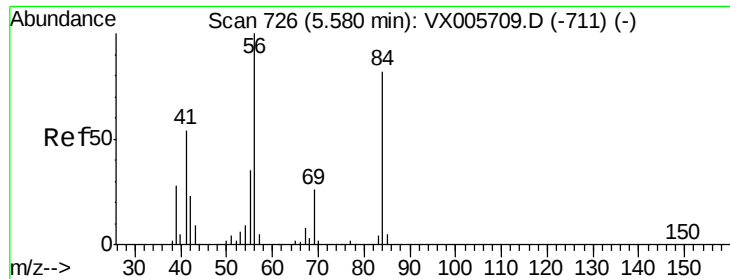
MMDadoda
11/7/2018 11:02:34 AM



#30
Chloroform
Concen: 17.488 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion: 83 Resp: 69880
Ion Ratio Lower Upper
83 100
85 60.6 50.6 76.0





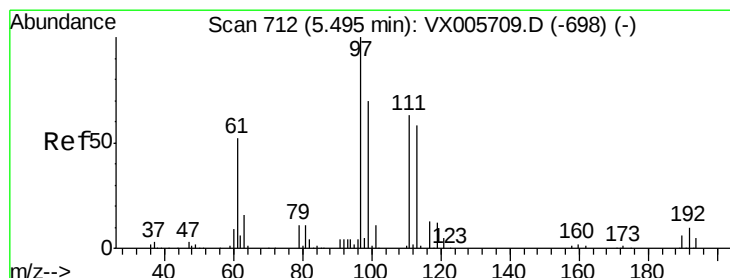
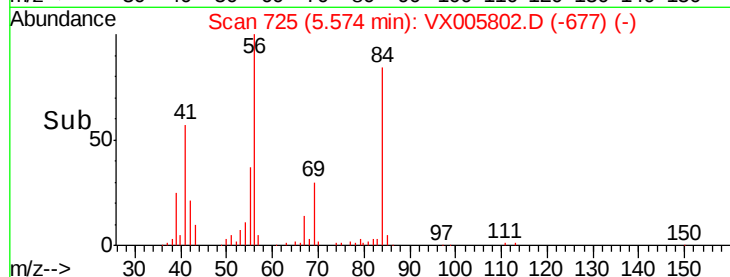
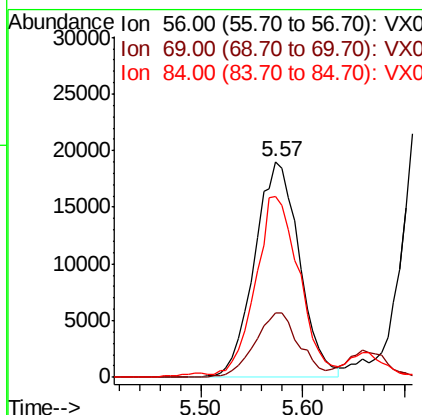
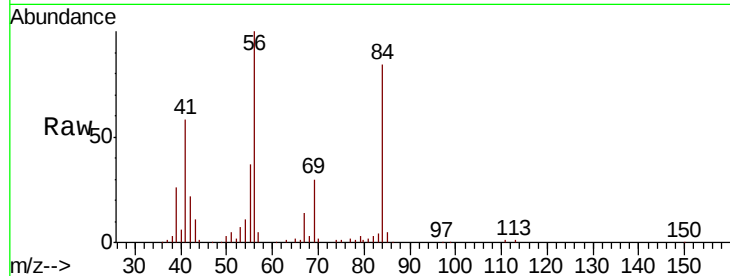
#31
Cyclohexane
Concen: 16.995 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.6	34.0
84	81.7	62.7	94.1

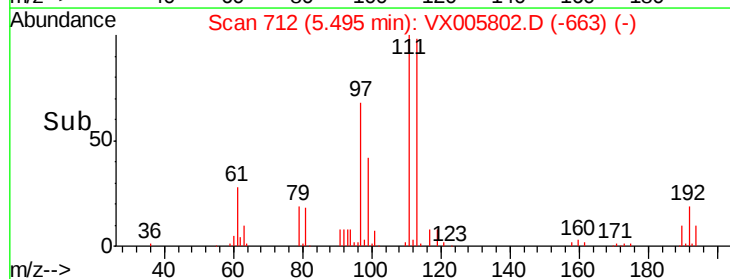
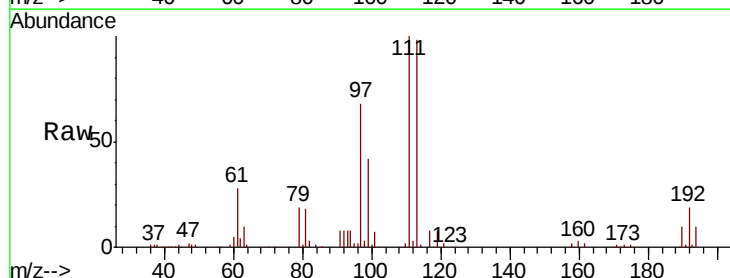
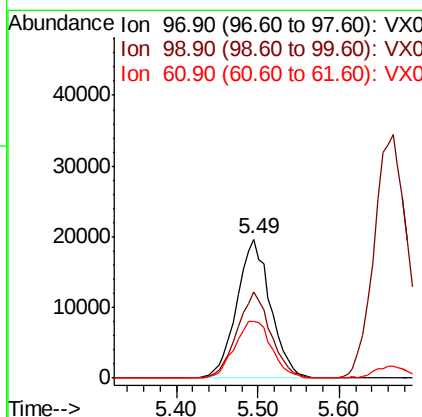
Manual Integrations
APPROVED

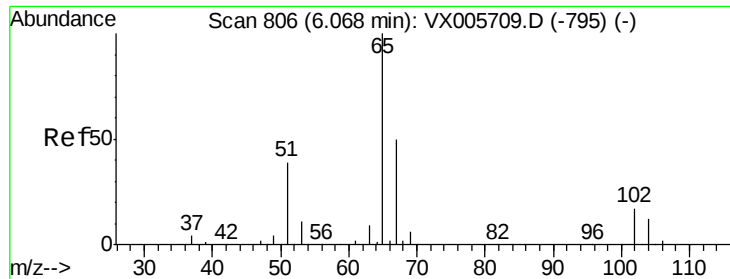
MMDadoda
11/7/2018 11:02:34 AM



#32
1,1,1-Trichloroethane
Concen: 17.580 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.3	78.5
61	45.0	35.2	52.8





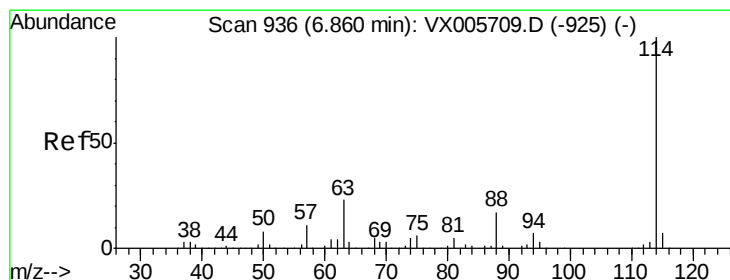
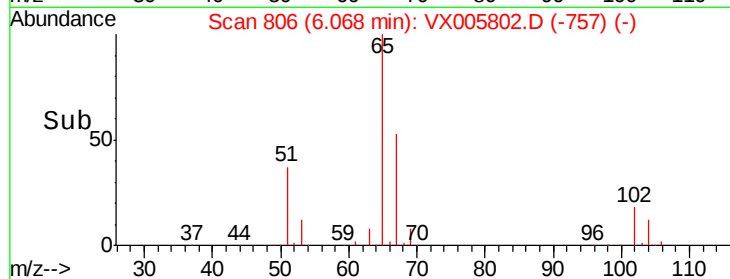
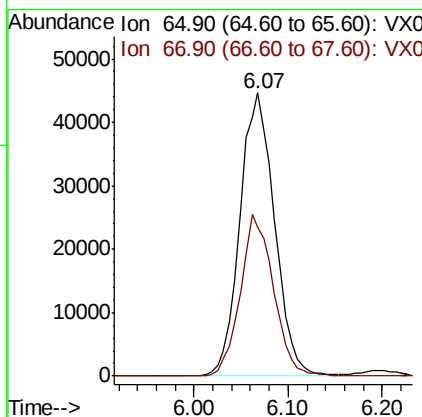
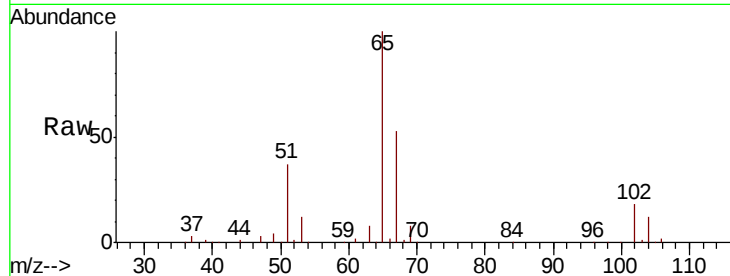
#33
 1,2-Dichloroethane-d4
 Concen: 44.950 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1106MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.0

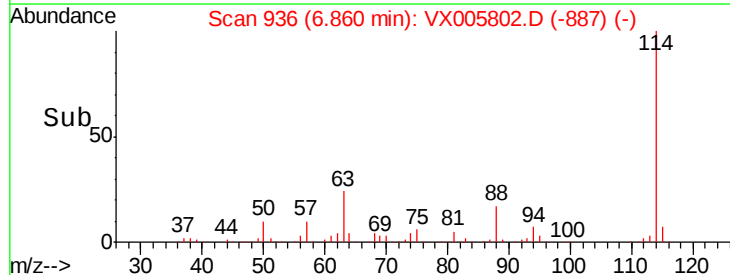
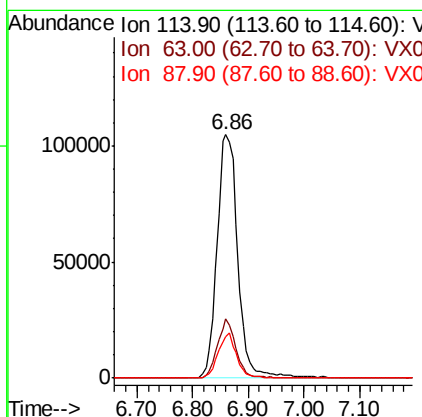
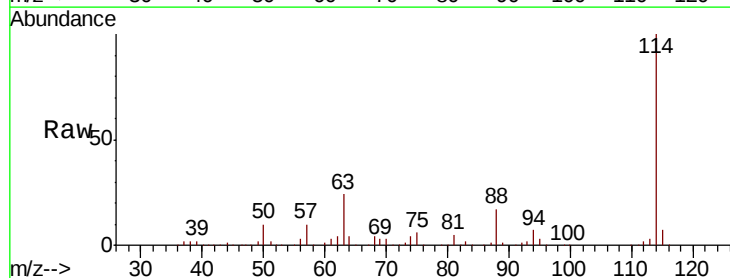
Manual Integrations
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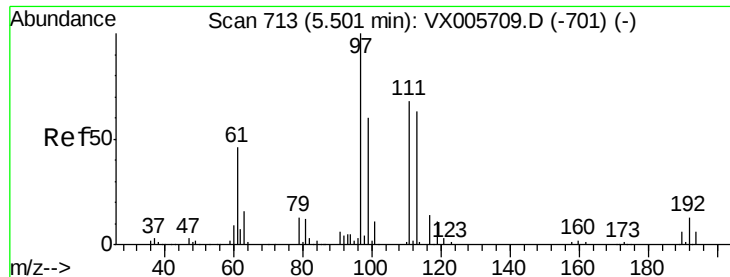
MMDadoda
 11/7/2018 11:02:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	42.8
88	17.2	0.0	31.2





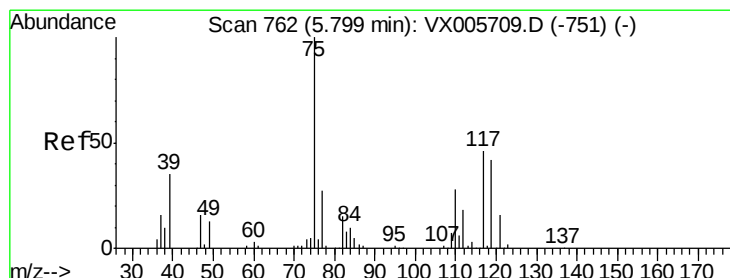
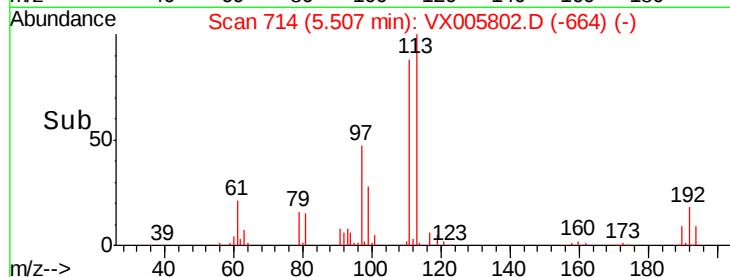
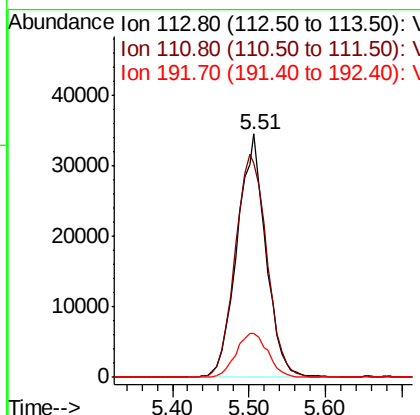
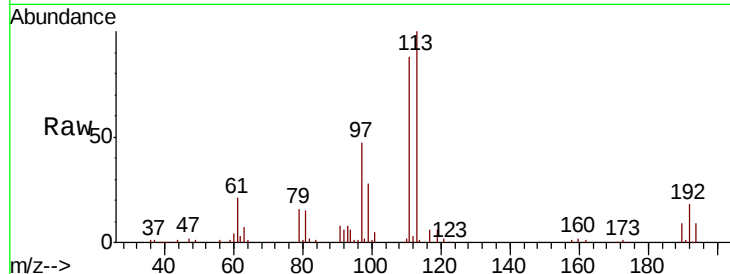
#35
Dibromofluoromethane
Concen: 47.727 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89747		
111	101.3	82.3	123.5	
192	20.2	17.9	26.9	

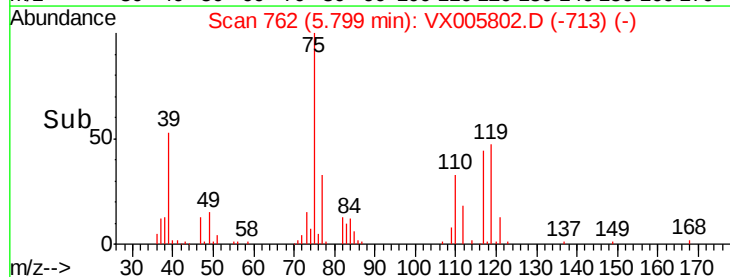
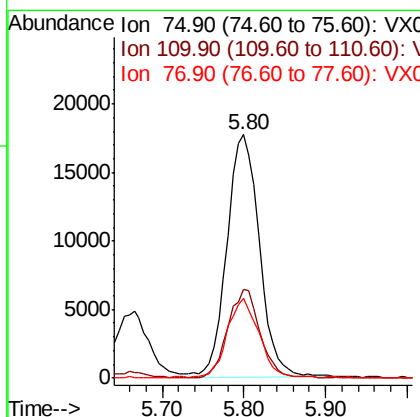
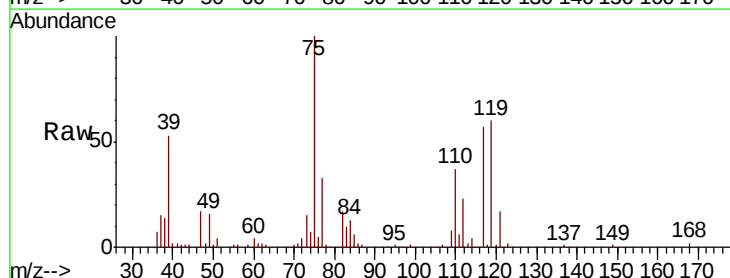
Manual Integrations
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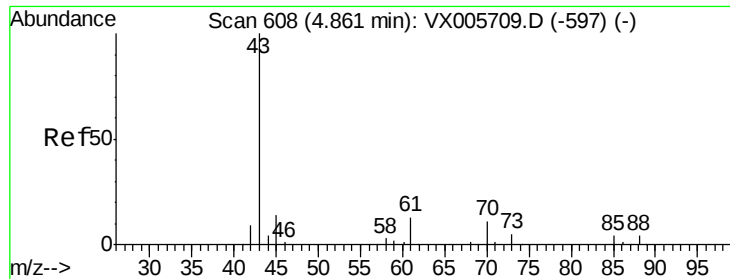
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#36
1,1-Dichloropropene
Concen: 16.815 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48654		
110	36.2	17.4	52.2	
77	32.7	25.8	38.6	





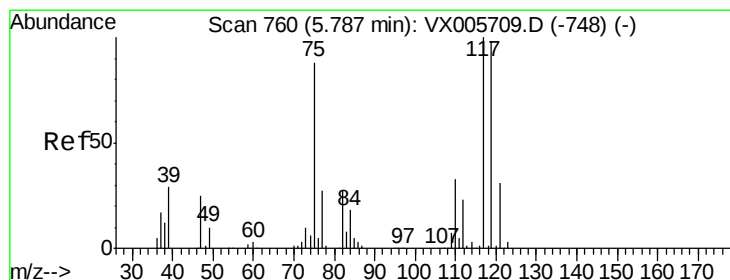
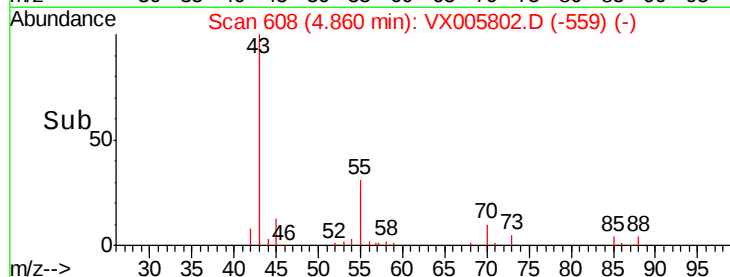
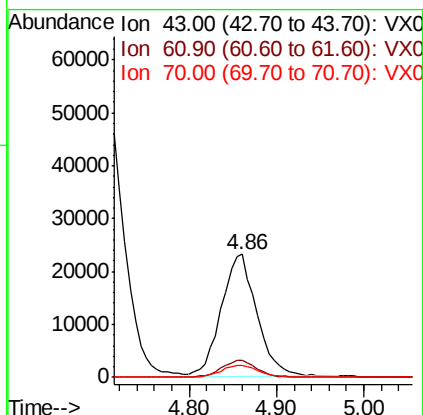
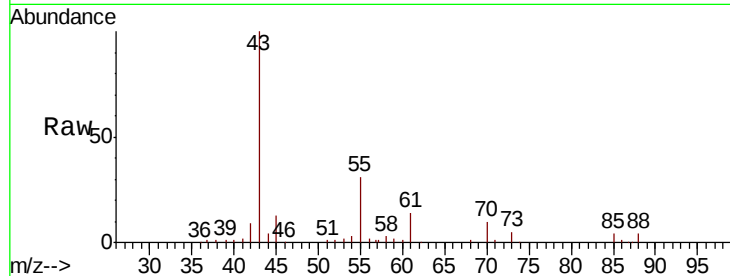
#37
Ethyl Acetate
Concen: 17.621 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.6	7.8	11.8

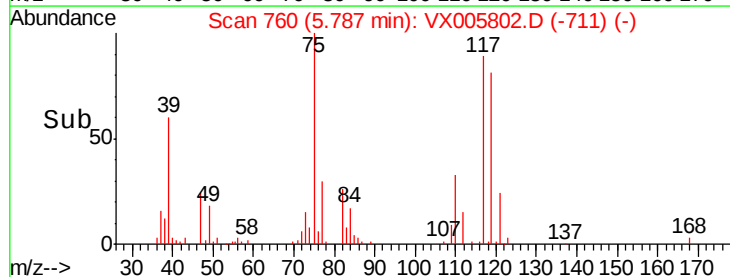
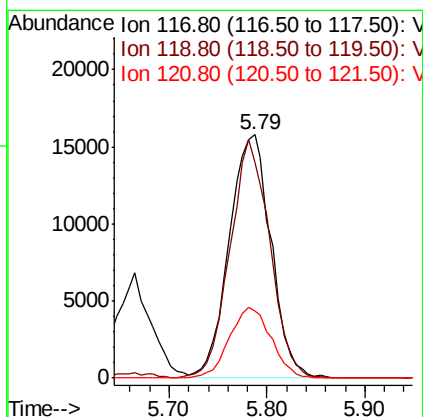
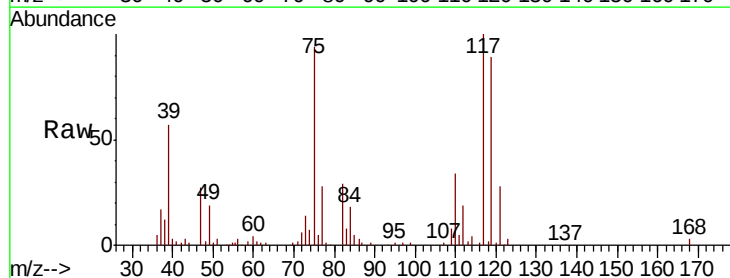
Manual Integrations
APPROVED

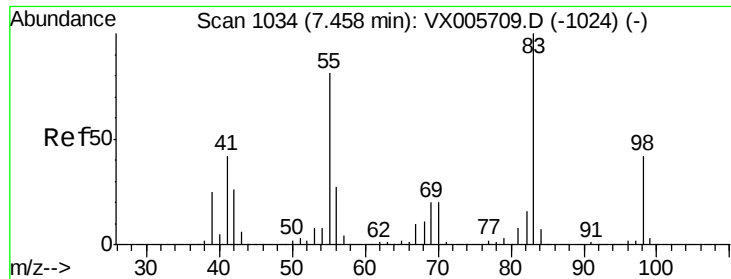
MMDadoda
11/7/2018 11:02:34 AM



#38
Carbon Tetrachloride
Concen: 17.878 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.7	78.1	117.1
121	27.5	24.6	36.8





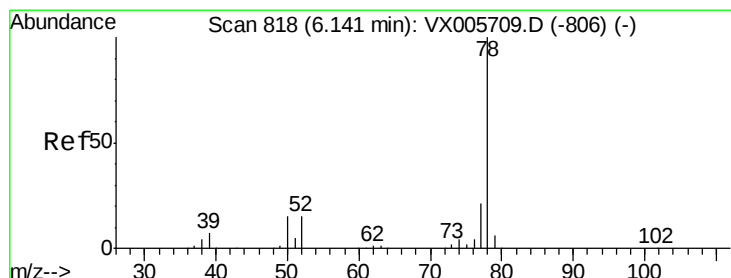
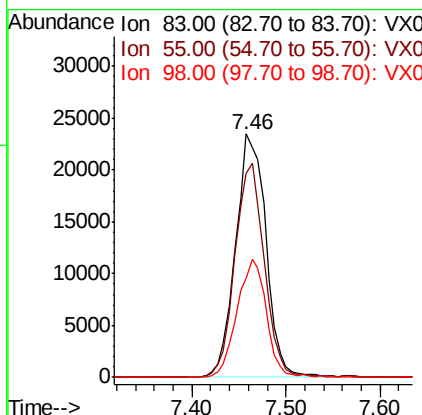
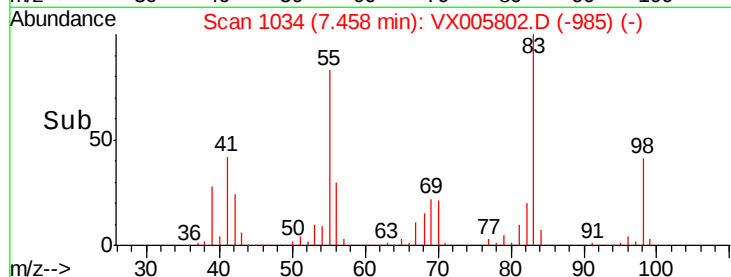
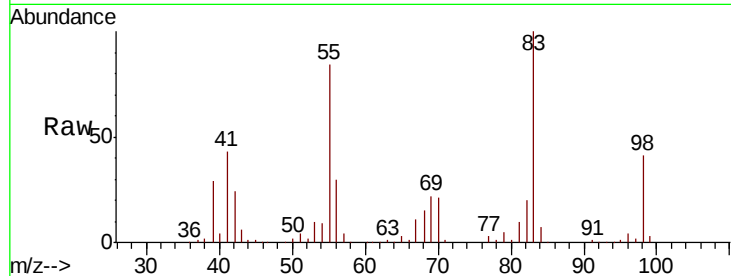
#39
Methvlcvclohexane
Concen: 17.557 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	83.00	Resp	52981
Ion	Ratio	Lower	Upper
83	100		
55	83.4	63.7	95.5
98	40.6	36.2	54.2

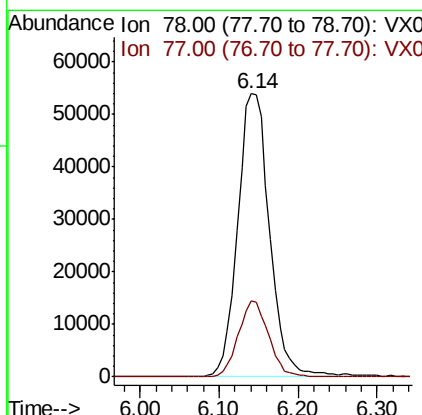
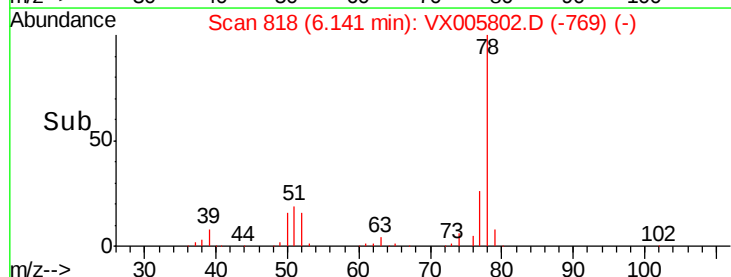
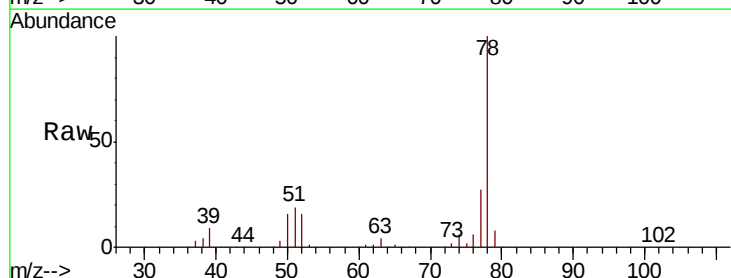
Manual Integrations
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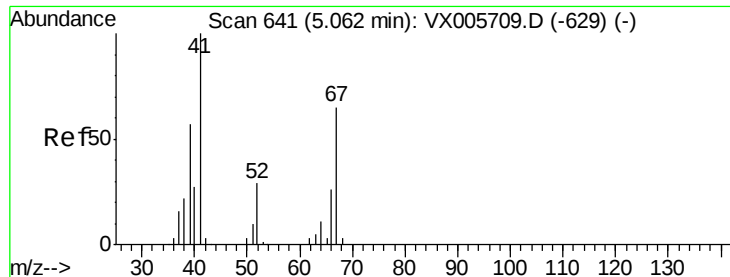
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#40
Benzene
Concen: 17.624 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	78	Resp	151711
Ion	Ratio	Lower	Upper
78	100		
77	26.9	18.4	27.6





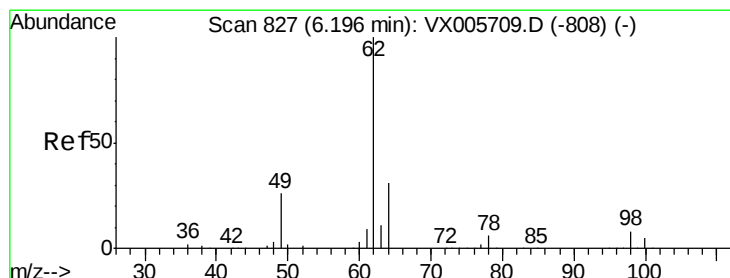
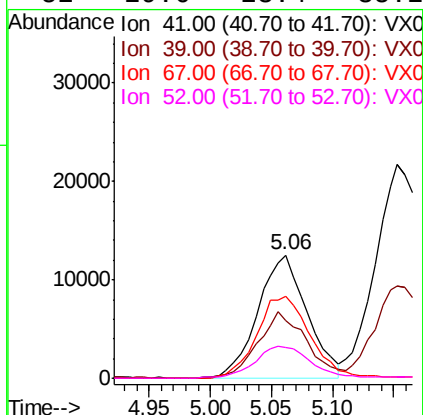
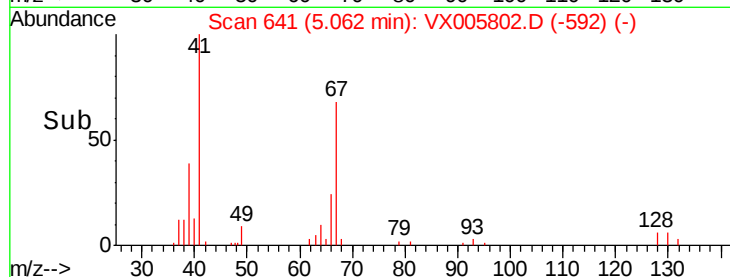
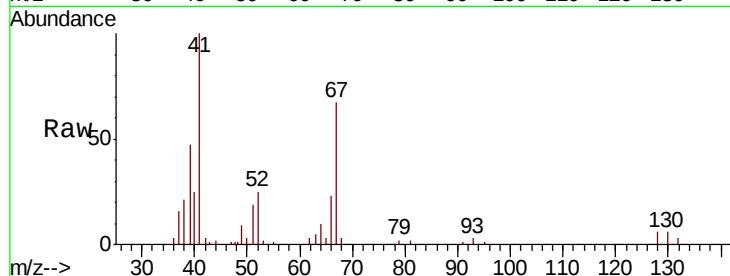
#41
Methacrylonitrile
Concen: 17.537 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.2	63.2	
67	72.8	53.4	80.0	
52	29.6	23.4	35.2	

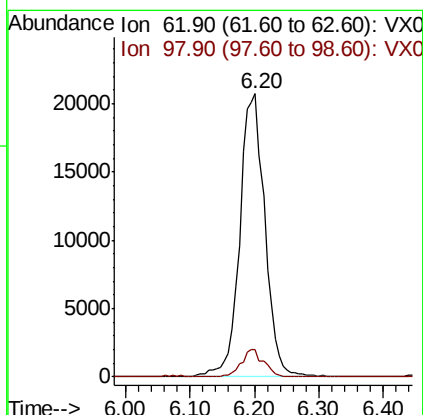
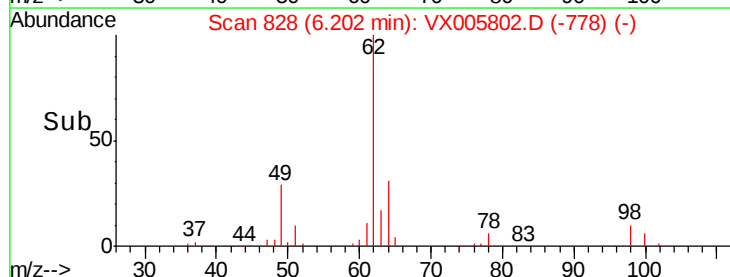
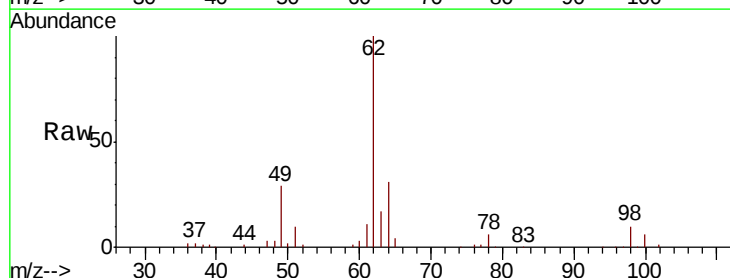
Manual Integrations
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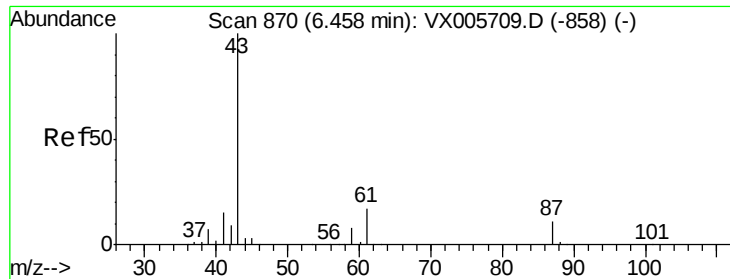
MMDadoda
11/7/2018 11:02:34 AM



#42
1,2-Dichloroethane
Concen: 17.481 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.8	





#43

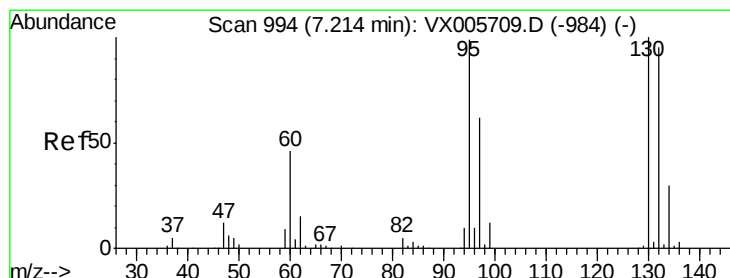
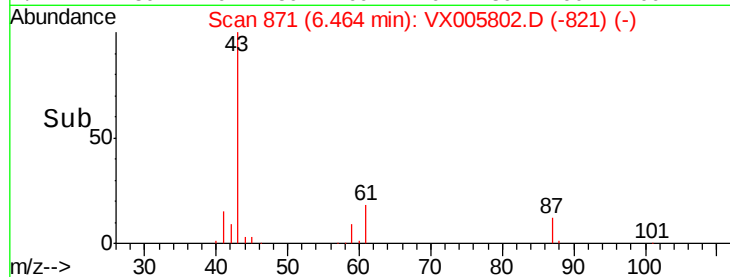
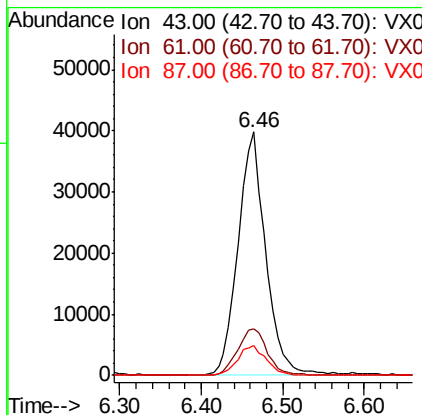
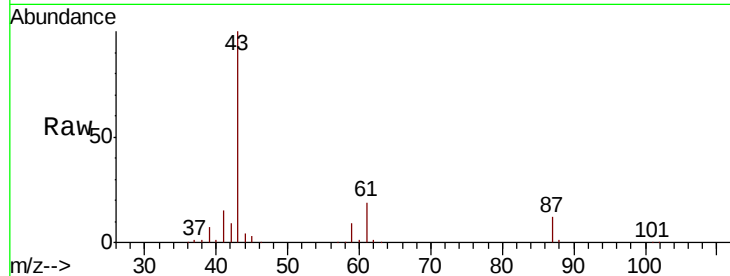
Isopropyl Acetate
 Concen: 17.528 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106MBS01

Tot Ion	43	61	87
Resp	93911		
Ratio	100	20.5	12.6
Lower		14.6	9.6
Upper		22.0	14.4

Manual Integrations
 APPROVED

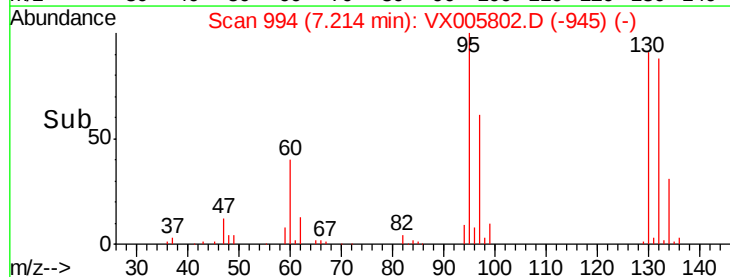
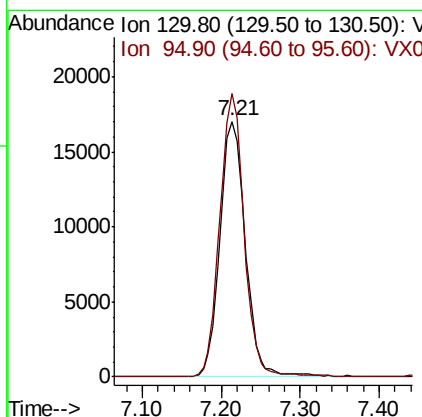
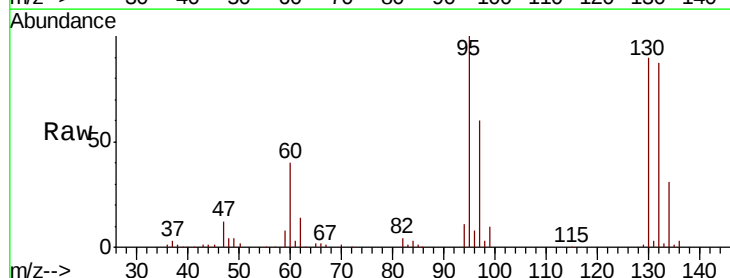
MMDadoda
 11/7/2018 11:02:34 AM

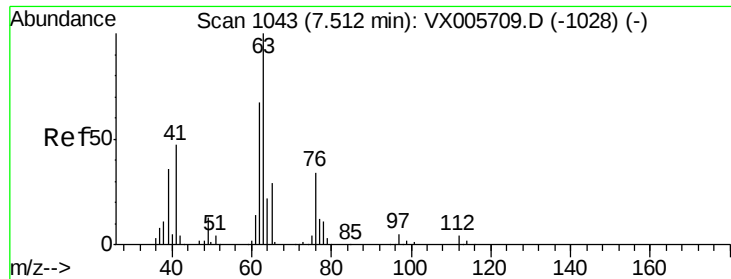


#44

Trichloroethene
 Concen: 19.322 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion	130	95
Resp	38467	
Ratio	100	110.8
Lower		0.0
Upper		194.2





#45

1,2-Dichloropropane

Concen: 20.414 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 63 Resp: 45032

Ion Ratio Lower Upper

63 100

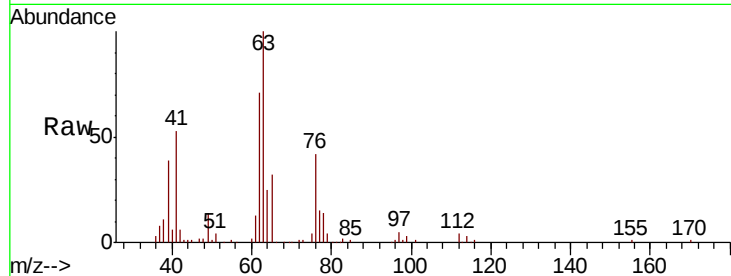
65 31.9 24.8 37.2

Manual Integrations

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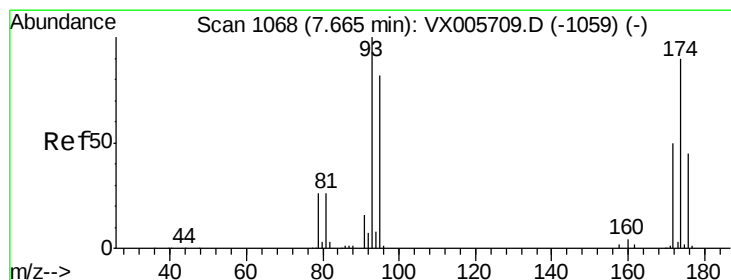
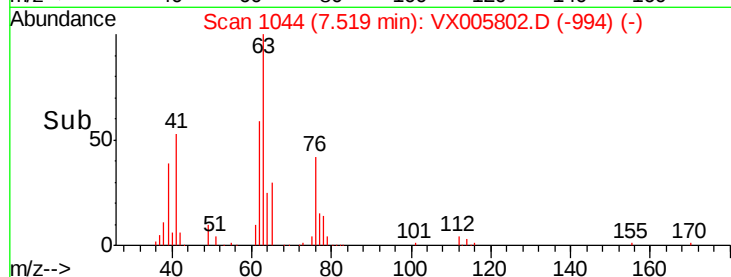
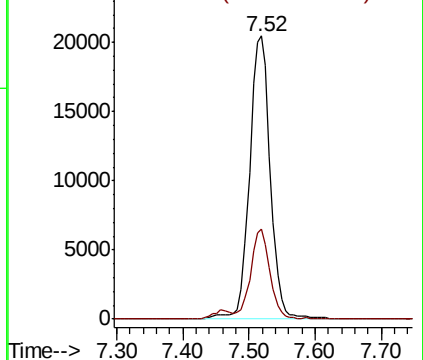
MMDadoda

11/7/2018 11:02:34 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.073 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

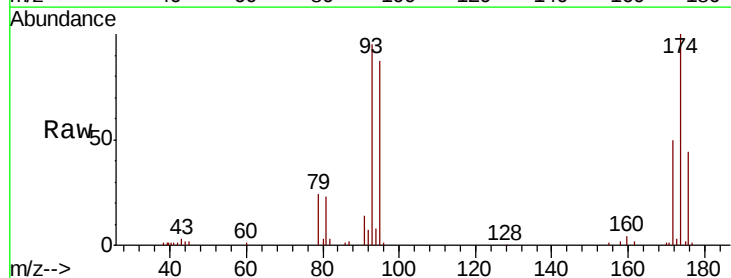
Tgt Ion: 93 Resp: 24069

Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

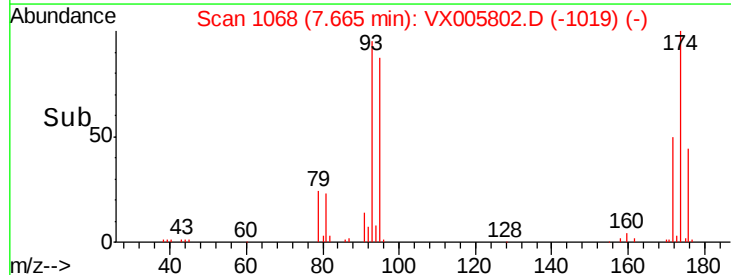
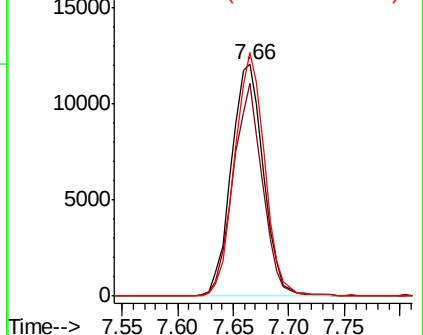
174 98.5 91.5 137.3

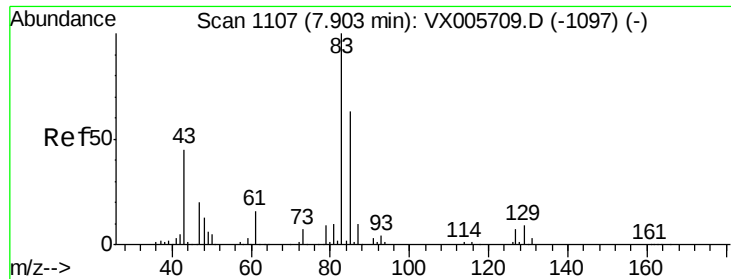


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





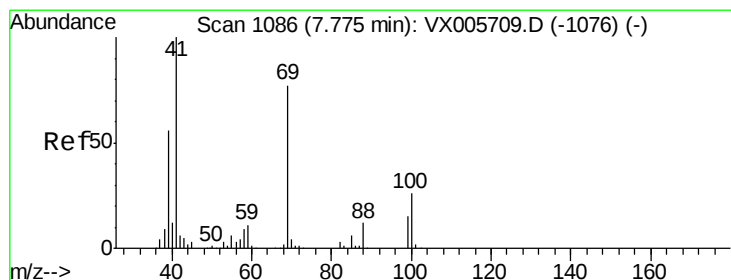
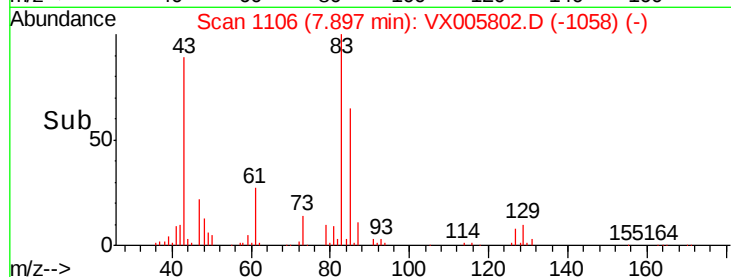
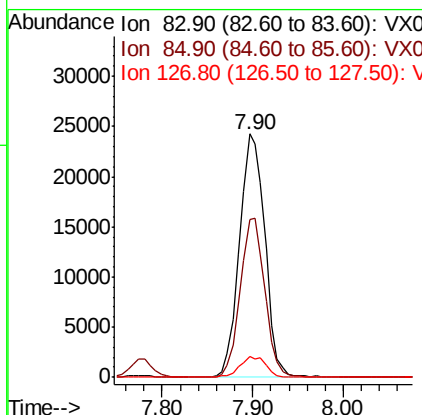
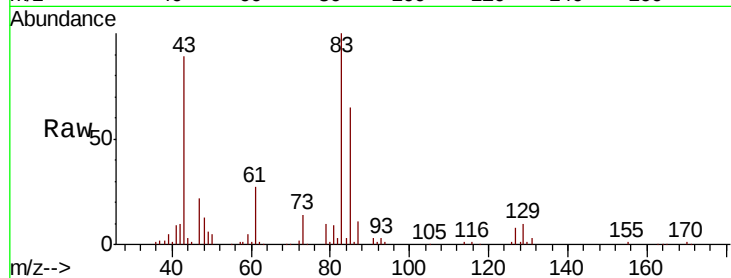
#47
Bromodichloromethane
Concen: 17.771 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	46993		
85	65.0		50.2	75.4
127	8.4		6.9	10.3

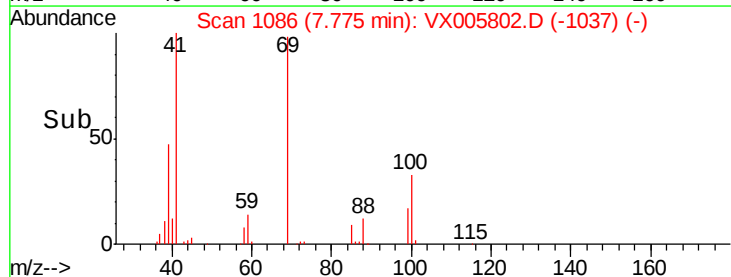
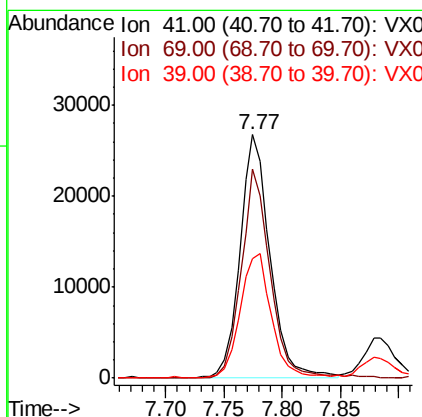
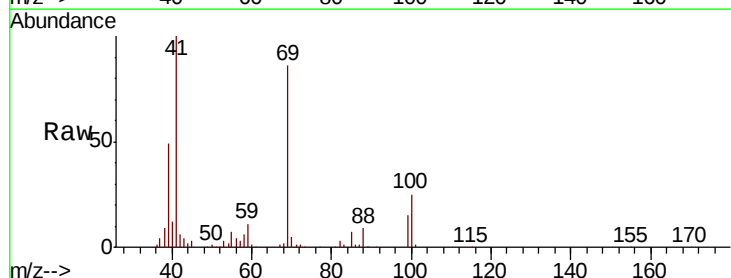
Manual Integrations
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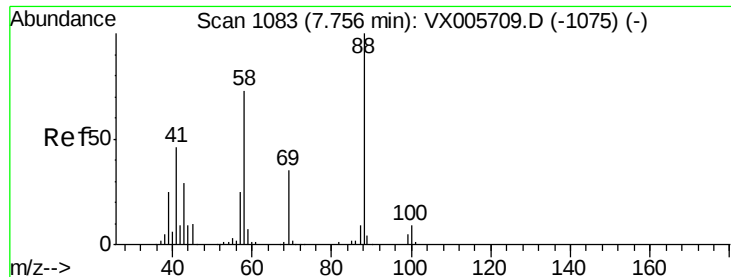
MMDadoda
11/7/2018 11:02:34 AM



#48
Methyl methacrylate
Concen: 18.405 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47726		
69	83.7		63.2	94.8
39	53.0		42.2	63.2





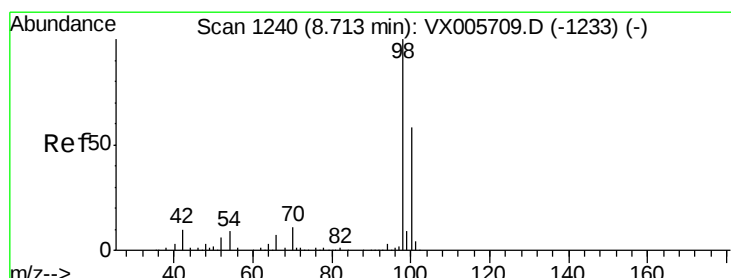
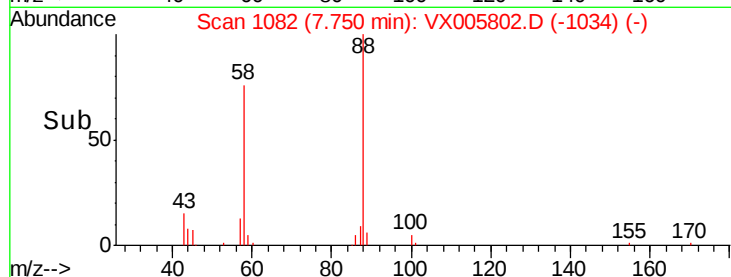
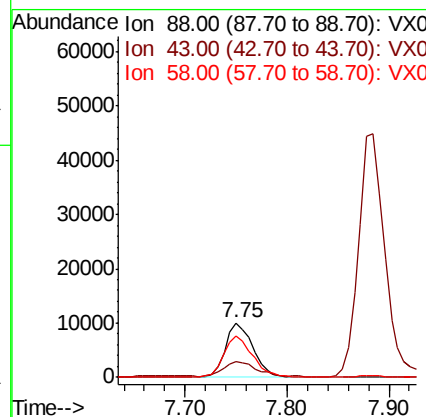
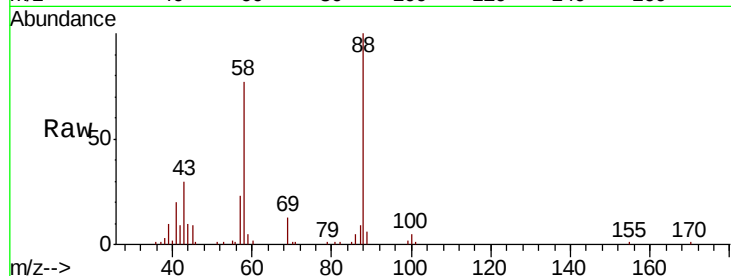
#49
1,4-Dioxane
Concen: 330.287 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.4	41.0
58	78.7	59.4	89.2

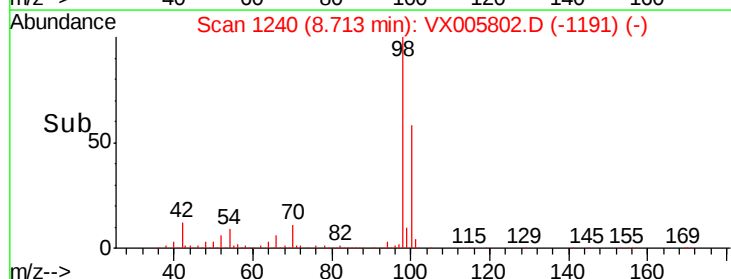
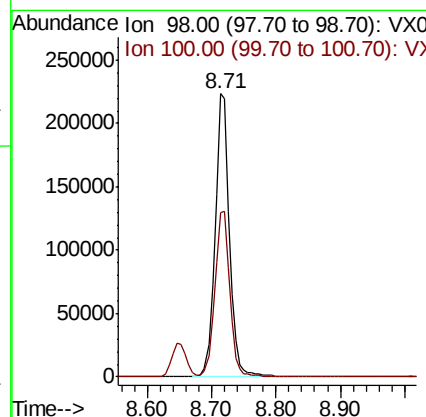
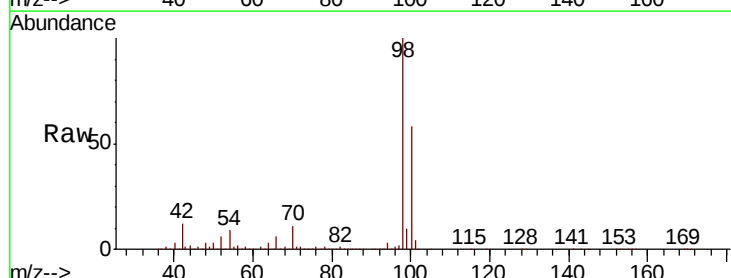
Manual Integrations
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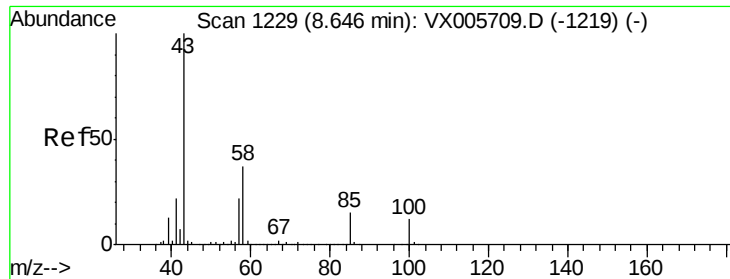
MMDadoda
11/7/2018 11:02:34 AM



#50
Toluene-d8
Concen: 52.718 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 87.337 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VX1106MBS01

Tot Ion: 43 Resp: 319069

Ion Ratio Lower Upper

43 100

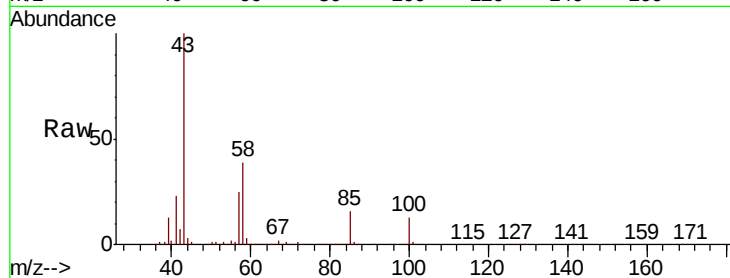
58 38.8 29.7 44.5

Manual Integrations

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11/7/2018 11:02:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200000

150000

100000

50000

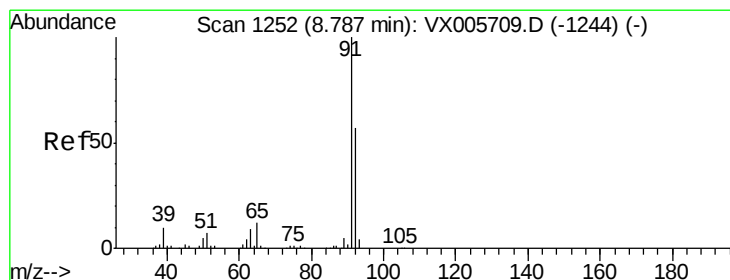
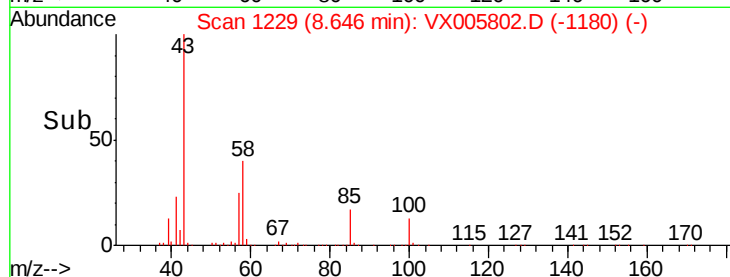
0

8.65

8.70

8.80

Time-->



#52

Toluene

Concen: 19.808 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005802.D

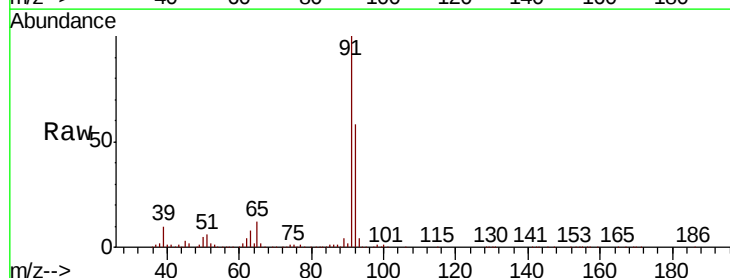
Acq: 06 Nov 2018 12:12

Tgt Ion: 92 Resp: 92225

Ion Ratio Lower Upper

92 100

91 172.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

100000

80000

60000

40000

20000

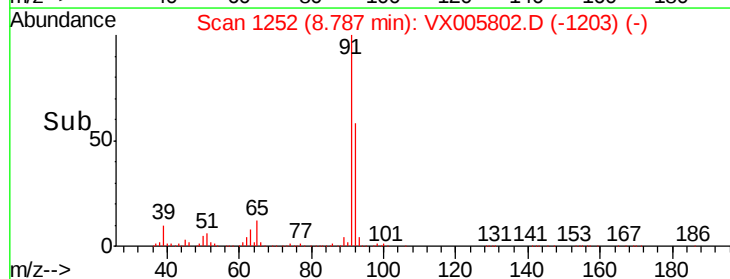
0

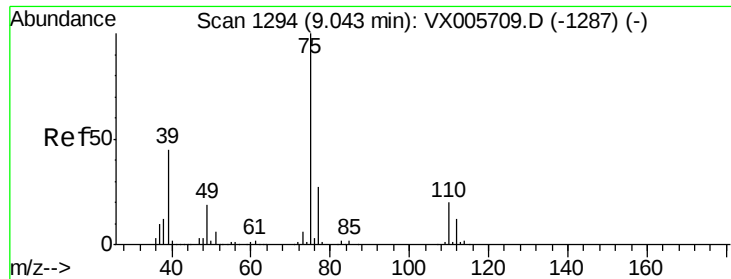
8.79

8.80

8.90

Time-->





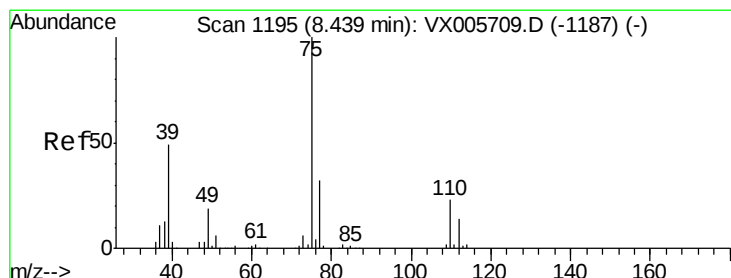
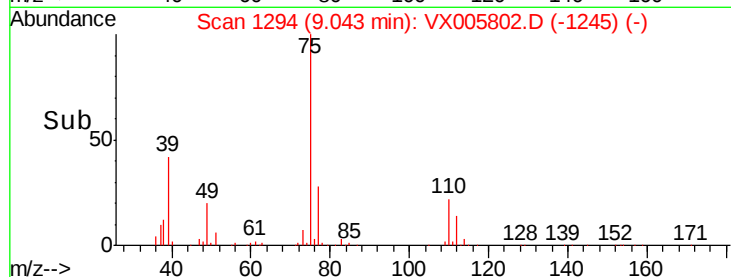
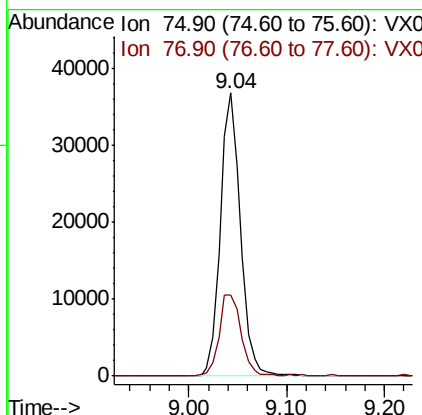
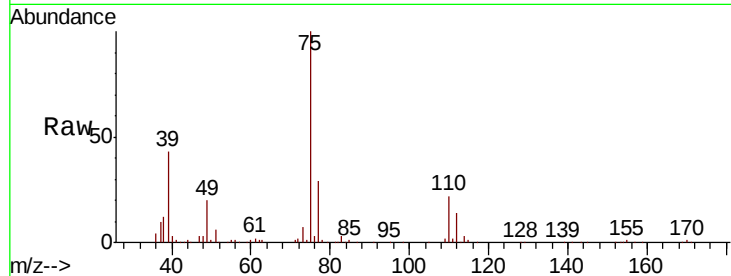
#53
t-1,3-Dichloropropene
Concen: 18.319 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion: 75 Resp: 52499
Ion Ratio Lower Upper
75 100
77 28.5 25.4 38.2

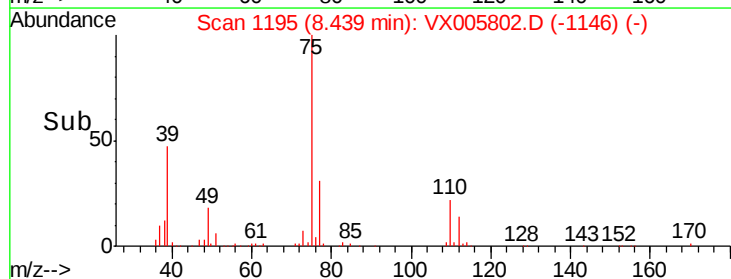
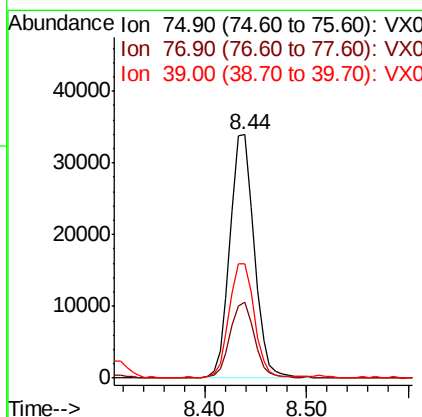
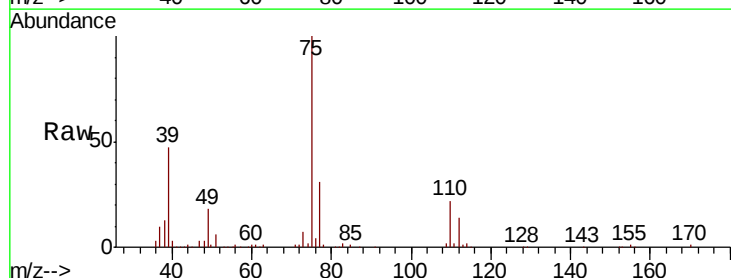
Manual Integrations
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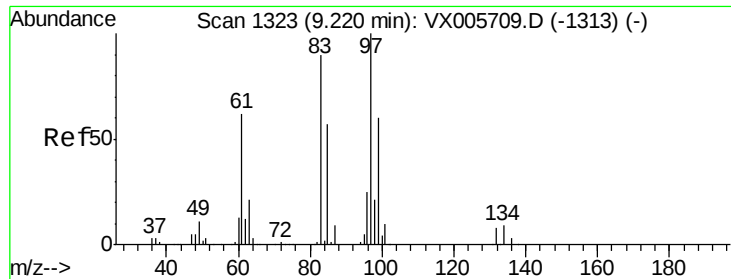
MMDadoda
11/7/2018 11:02:34 AM



#54
cis-1,3-Dichloropropene
Concen: 18.266 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion: 75 Resp: 56082
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 46.4 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 19.195 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

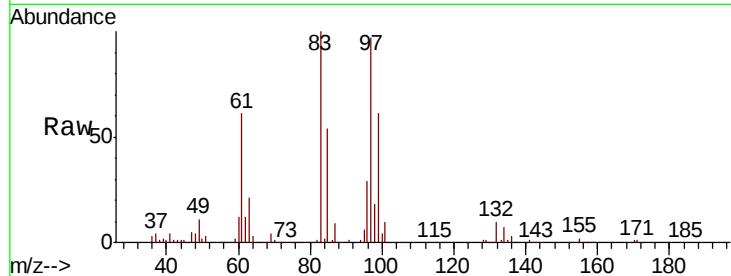
ClientSampleId :

VX1106MBS01

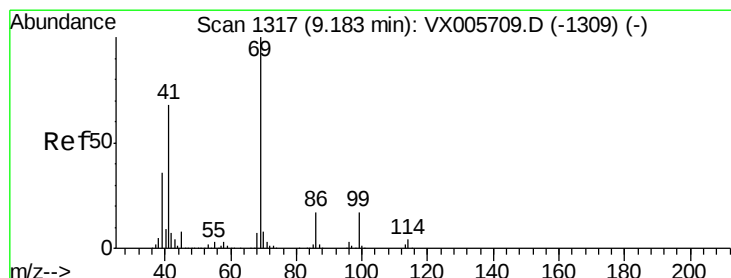
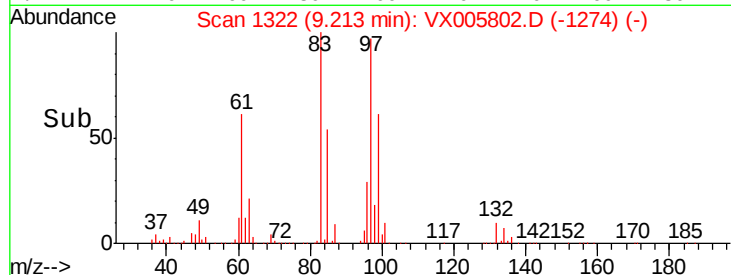
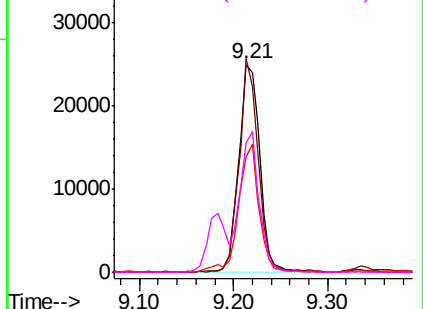
Tot Ion:	97	Resp:	38813
Ion	Ratio	Lower	Upper
97	100		
83	102.9	70.7	106.1
85	55.7	45.8	68.6
99	62.6	51.8	77.8

Manual Integrations
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11/7/2018 11:02:34 AM



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.245 ug/l

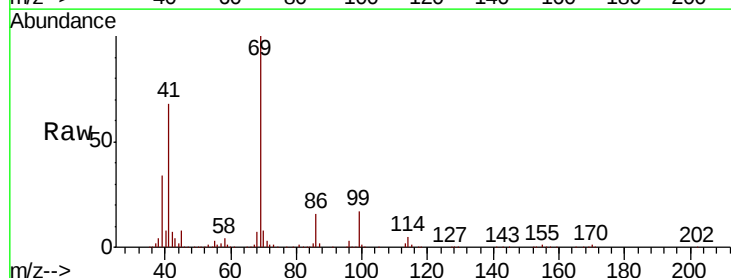
RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

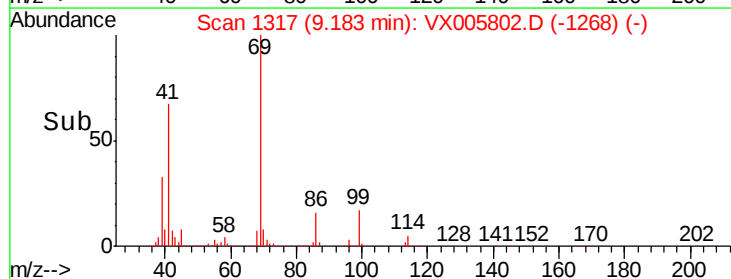
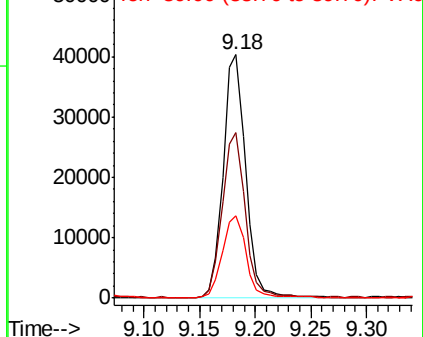
Lab File: VX005802.D

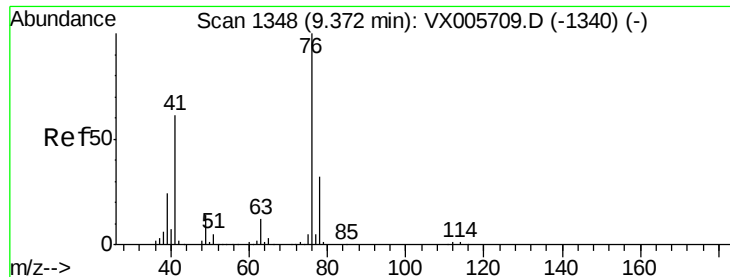
Acq: 06 Nov 2018 12:12

Tgt Ion:	69	Resp:	56957
Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.0	85.6
39	35.1	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.226 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 76 Resp: 63306

Ion Ratio Lower Upper

76 100

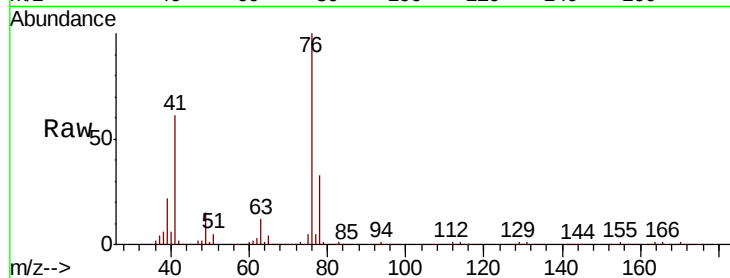
78 32.8 25.3 37.9

Manual Integrations

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MMDadoda

11/7/2018 11:02:34 AM

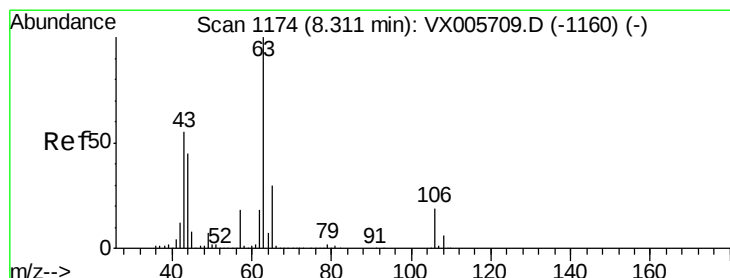
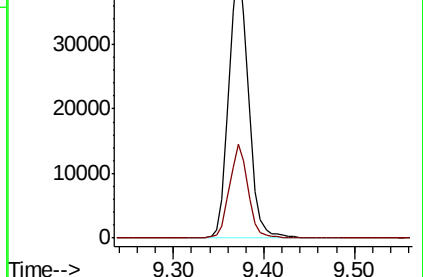
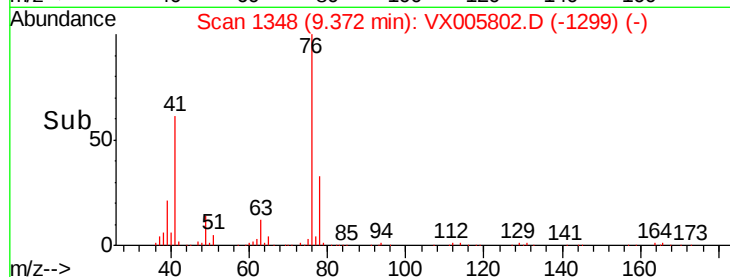


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.102 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005802.D

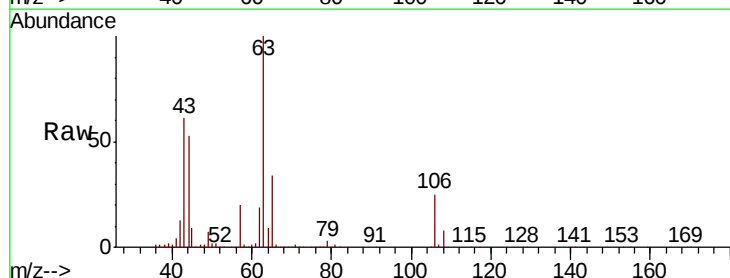
Acq: 06 Nov 2018 12:12

Tgt Ion: 63 Resp: 174406

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9

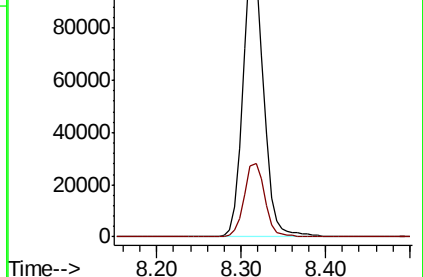
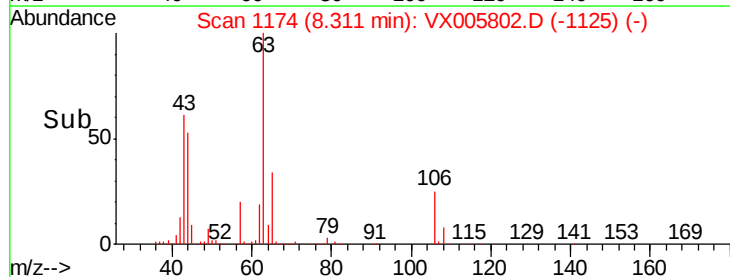


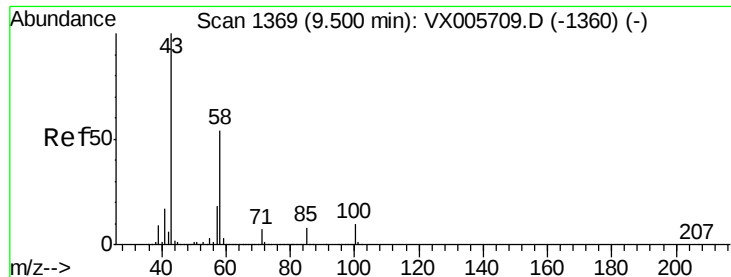
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

Time-->





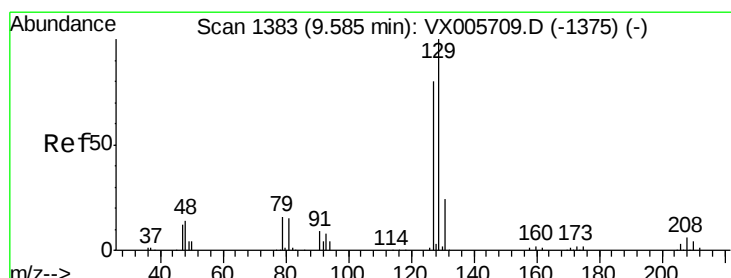
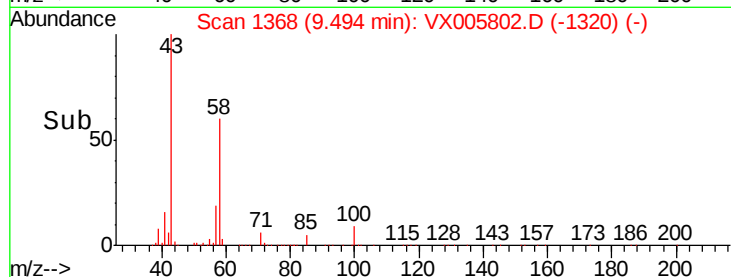
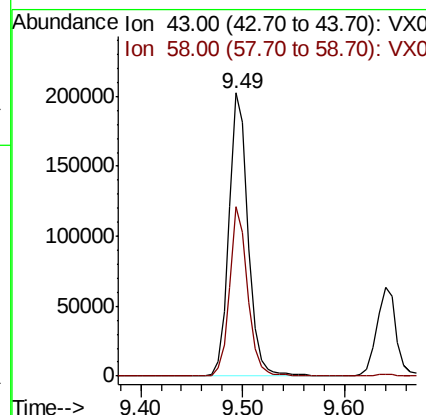
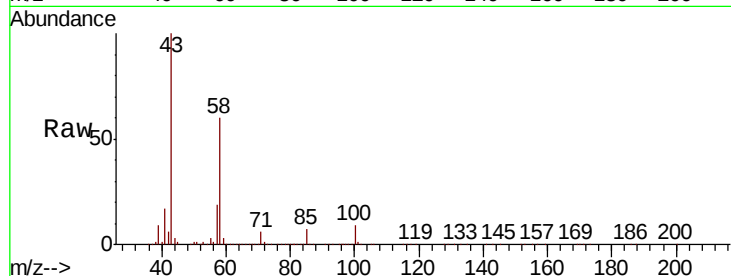
#59
2-Hexanone
Concen: 88.248 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	25.9	77.8

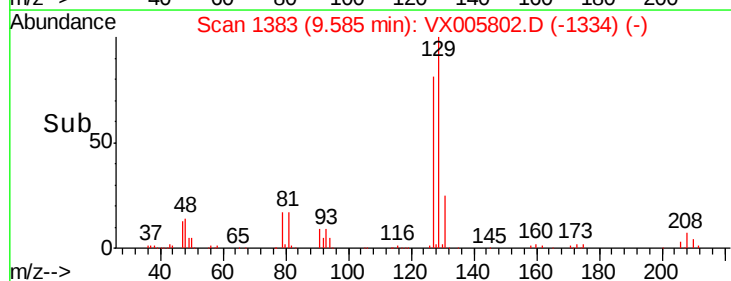
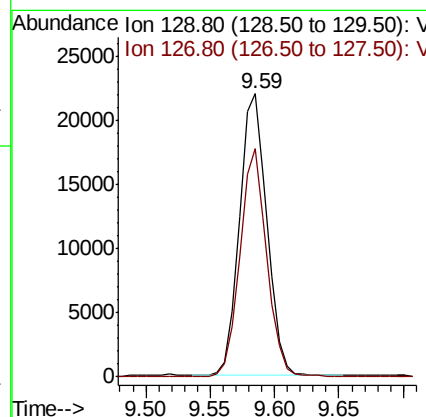
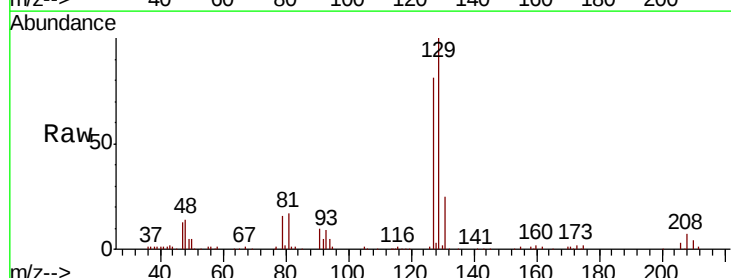
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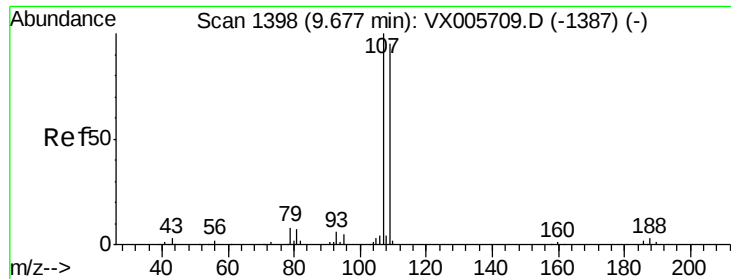
MMDadoda
11/7/2018 11:02:34 AM



#60
Dibromochloromethane
Concen: 16.614 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.9	116.7





#61

1,2-Dibromoethane

Concen: 18.328 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:107 Resp: 37763

Ion Ratio Lower Upper

107 100

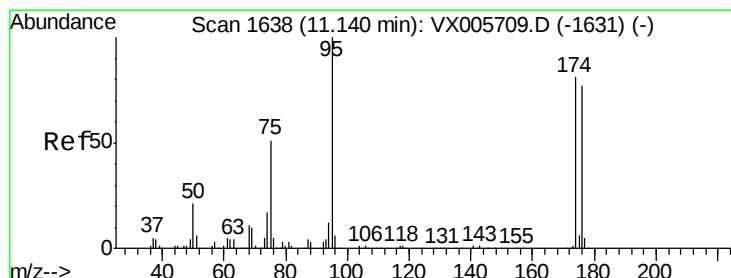
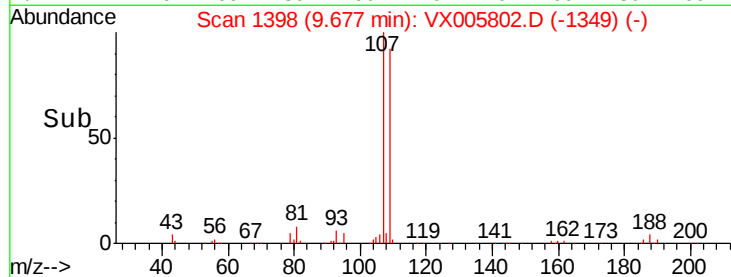
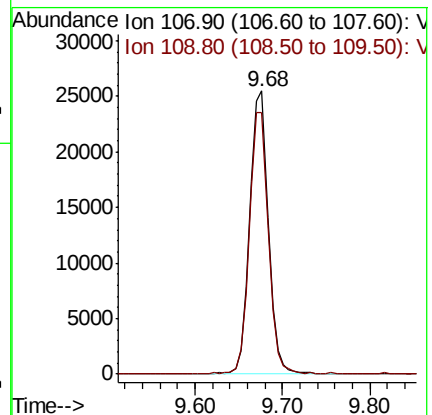
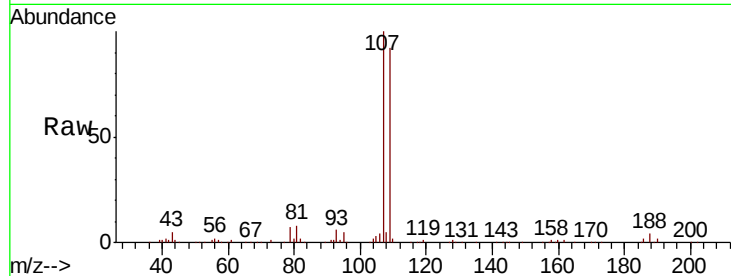
109 94.3 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 49.445 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

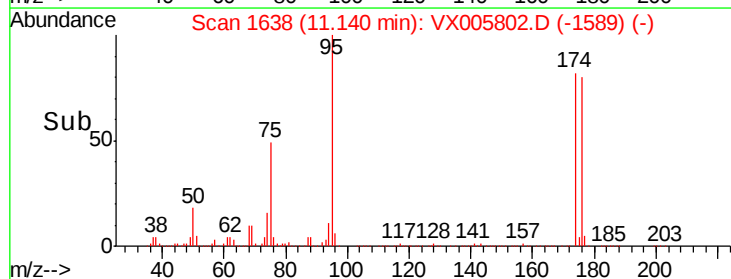
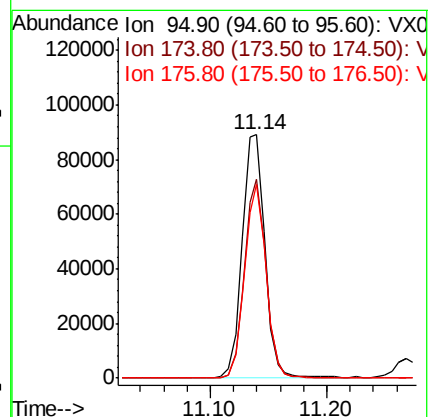
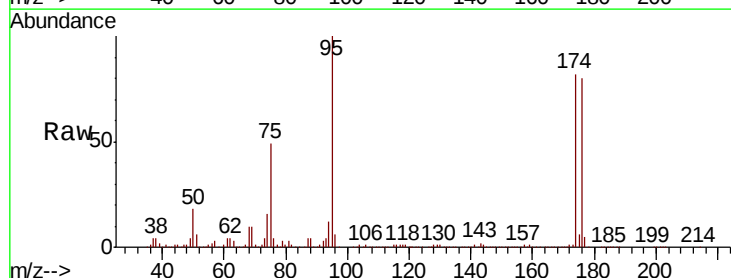
Tgt Ion: 95 Resp: 120355

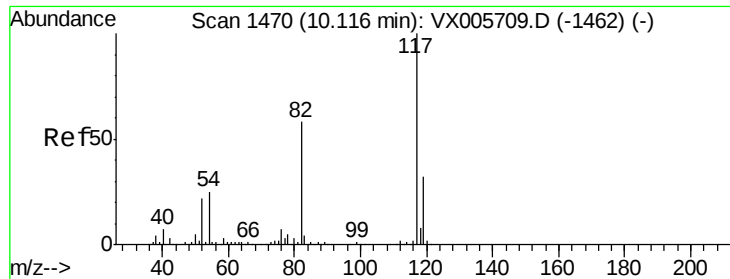
Ion Ratio Lower Upper

95 100

174 78.3 0.0 184.4

176 76.1 0.0 177.4





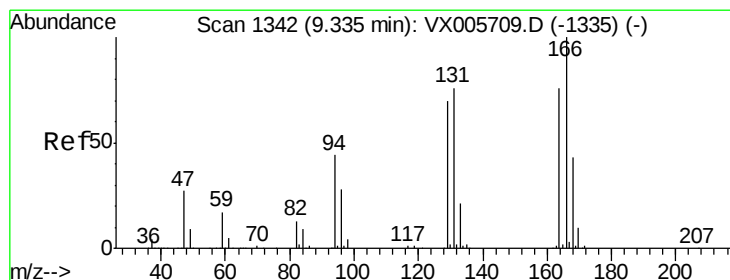
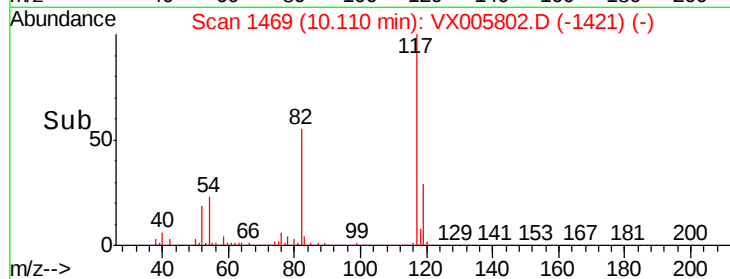
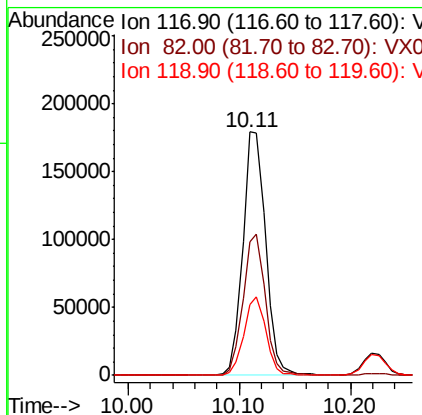
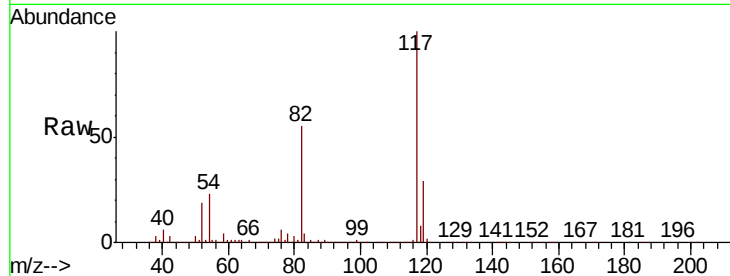
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.1	66.1
119	29.1	26.2	39.2

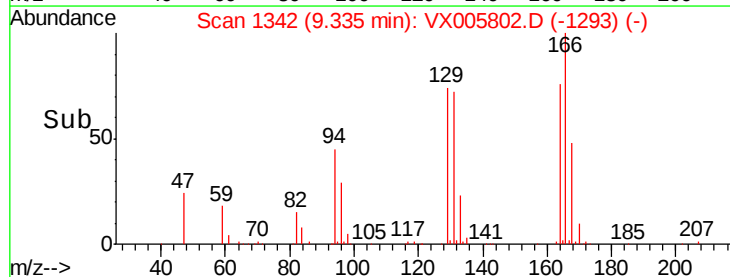
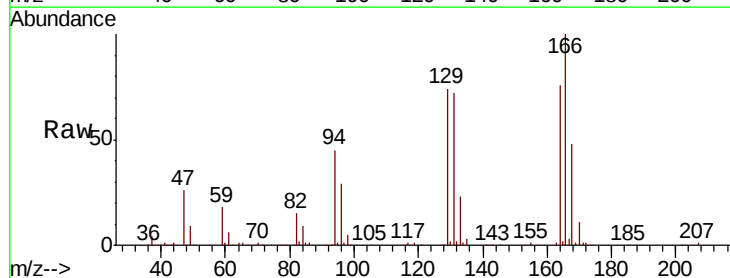
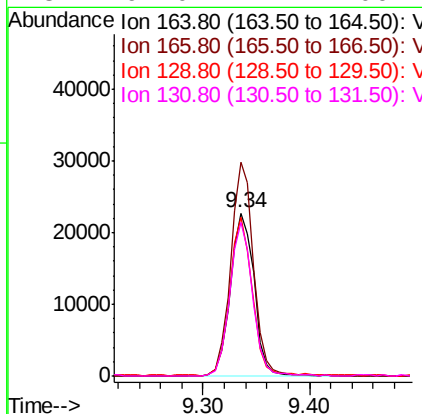
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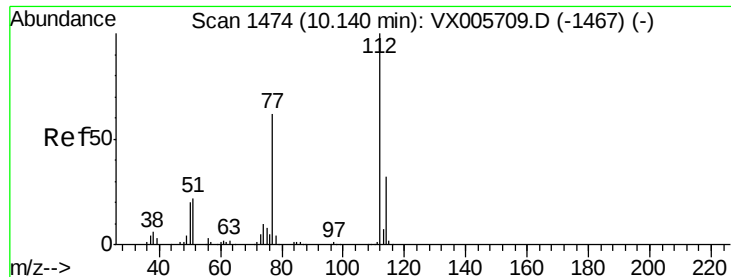
MMDadoda
11/7/2018 11:02:34 AM



#64
Tetrachloroethene
Concen: 19.036 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	96.7	72.6	109.0
131	94.0	71.1	106.7





#65

Chlorobenzene

Concen: 17.432 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:112 Resp: 94447

Ion Ratio Lower Upper

112 100

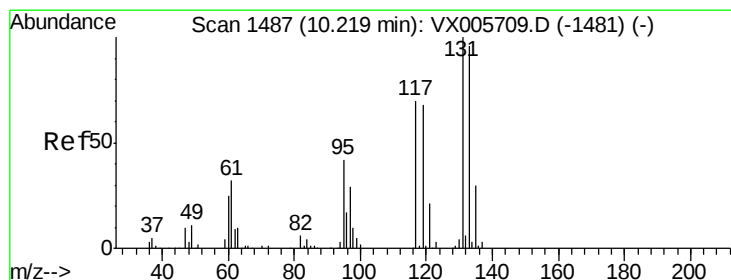
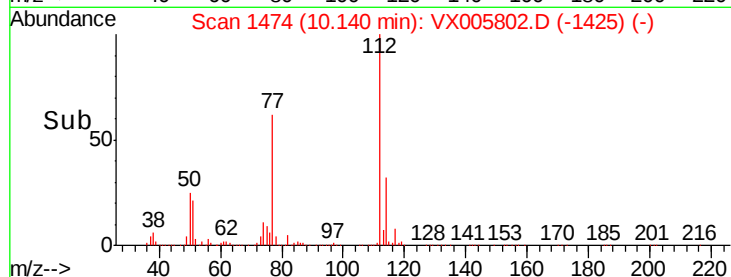
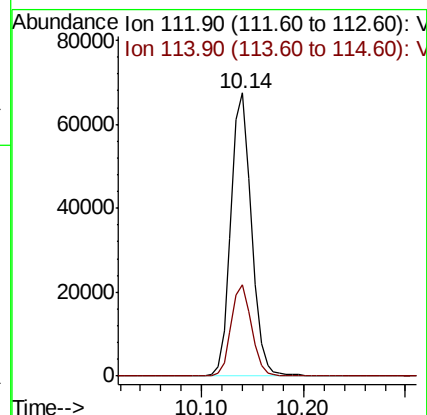
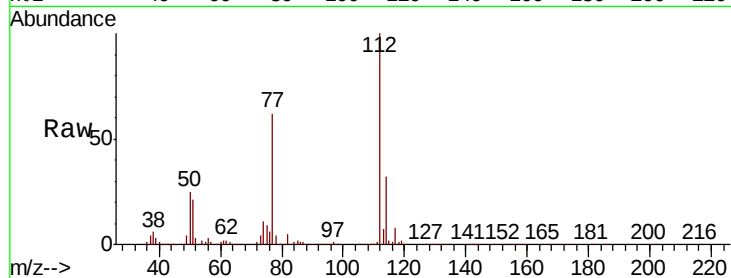
114 32.4 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.244 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

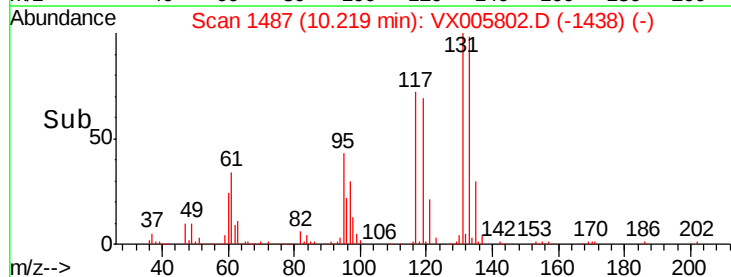
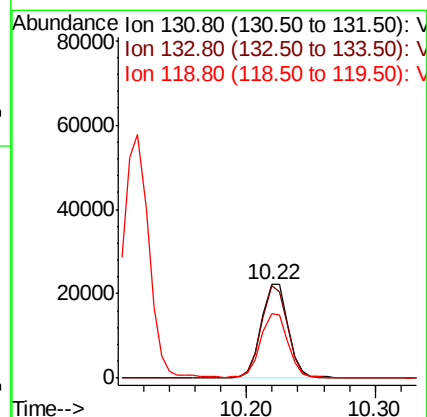
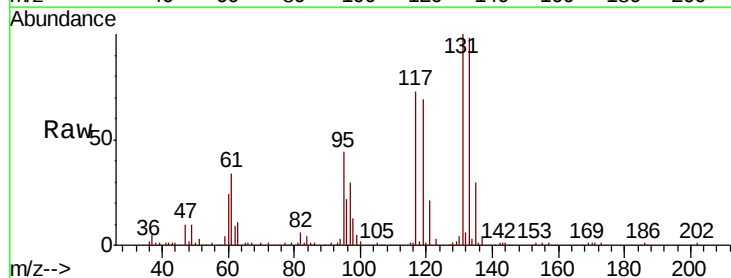
Tgt Ion:131 Resp: 31984

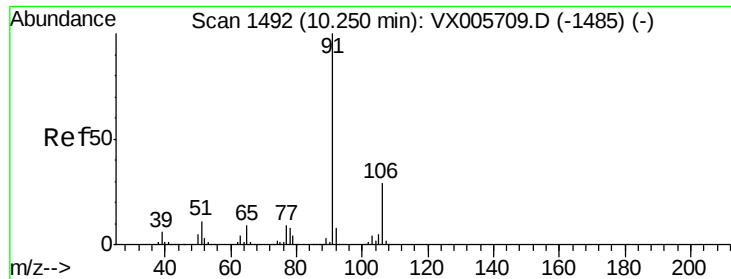
Ion Ratio Lower Upper

131 100

133 96.3 47.5 142.5

119 68.0 31.8 95.3





#67

Ethyl Benzene

Concen: 17.832 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VX1106MBS01

Tot Ion: 91 Resp: 164895

Ion Ratio Lower Upper

91 100

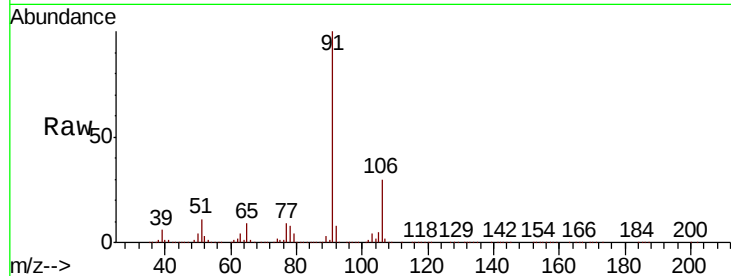
106 29.6 24.4 36.6

Manual Integrations

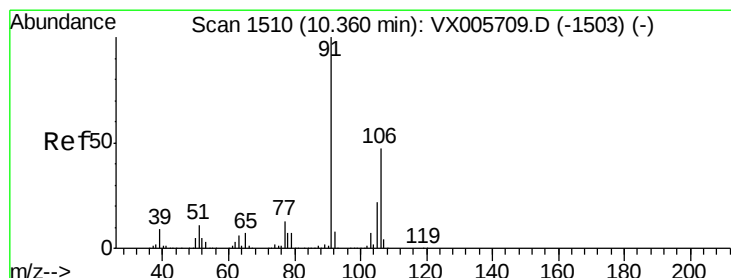
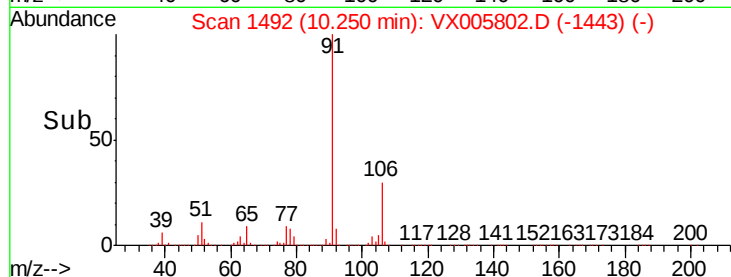
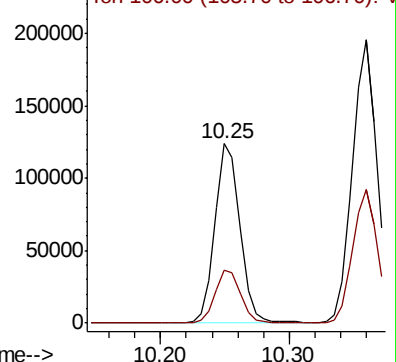
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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1485) (-)



#68

m/p-Xylenes

Concen: 36.104 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005802.D

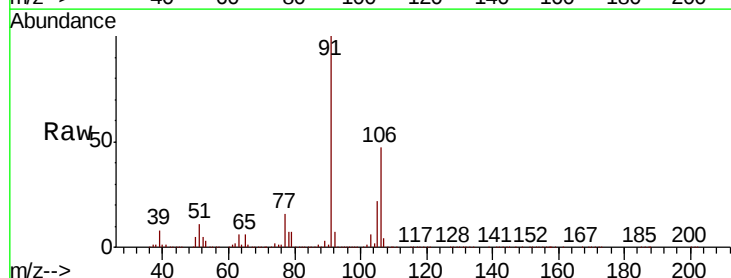
Acq: 06 Nov 2018 12:12

Tgt Ion: 106 Resp: 124056

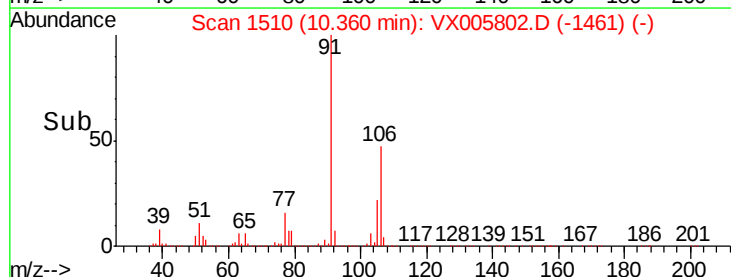
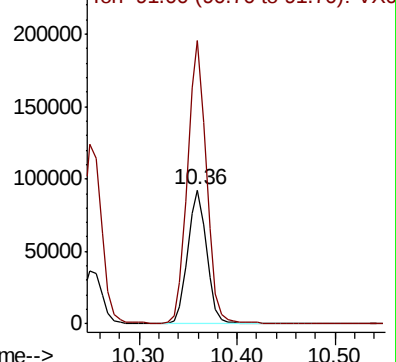
Ion Ratio Lower Upper

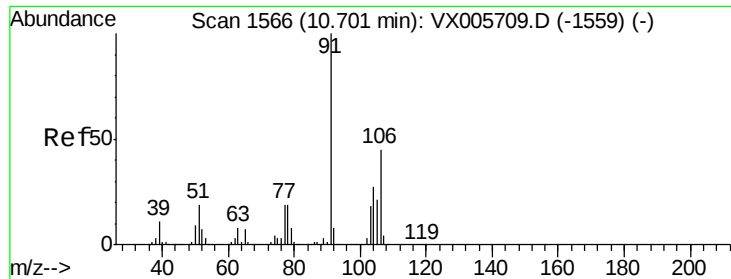
106 100

91 210.5 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005709.D (-1503) (-)





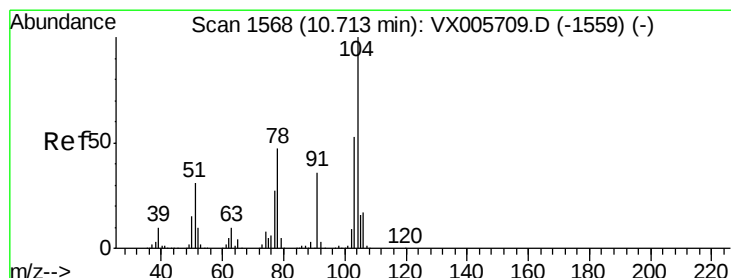
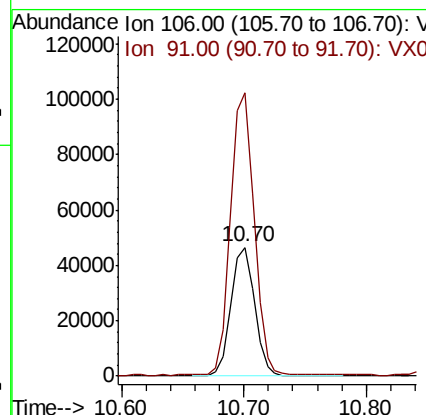
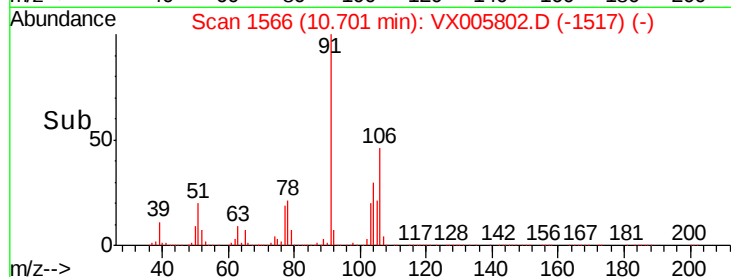
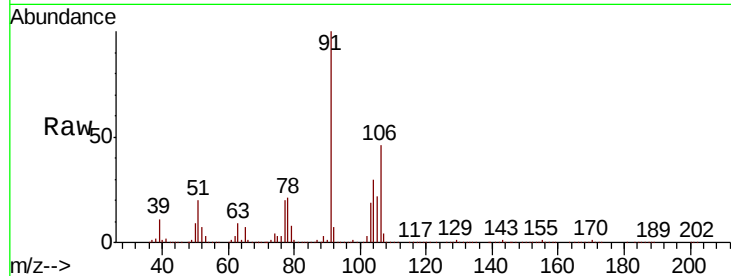
#69
o-Xylene
Concen: 18.805 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VX1106MBS01

Tot Ion:106 Resp: 61799
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5

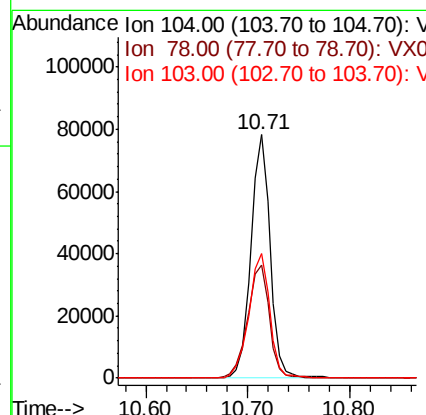
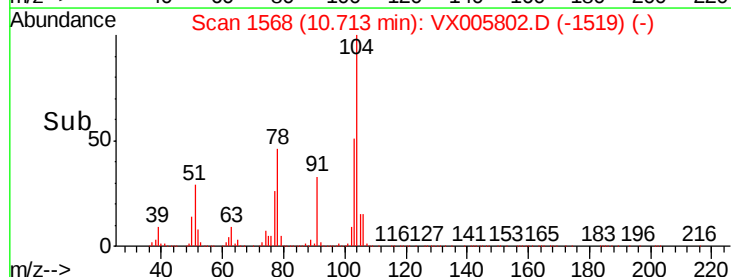
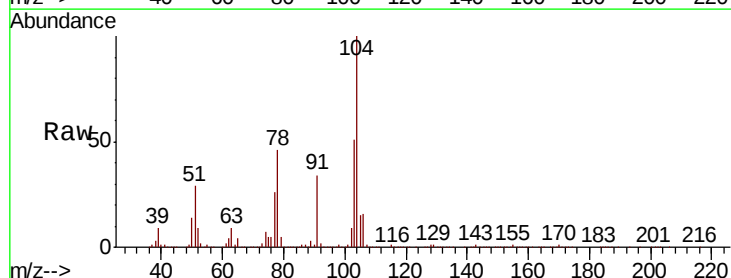
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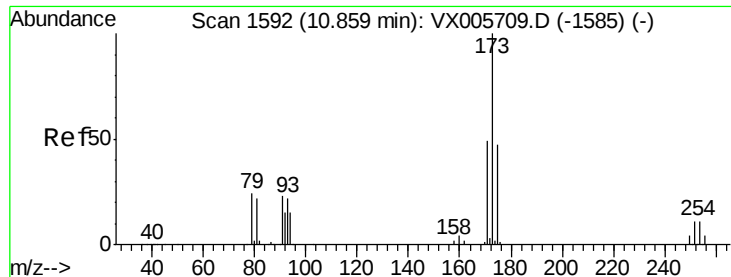
MMDadoda
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#70
Styrene
Concen: 18.813 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion:104 Resp: 102686
Ion Ratio Lower Upper
104 100
78 52.6 40.2 60.4
103 55.7 44.9 67.3





#71

Bromoform

Concen: 16.031 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:173 Resp: 24092

Ion Ratio Lower Upper

173 100

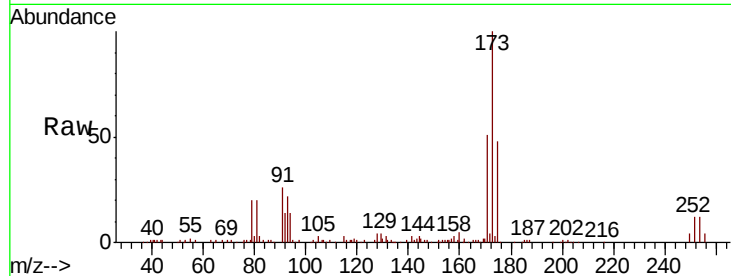
175 49.9 24.8 74.3

254 0.0 0.2 0.2#

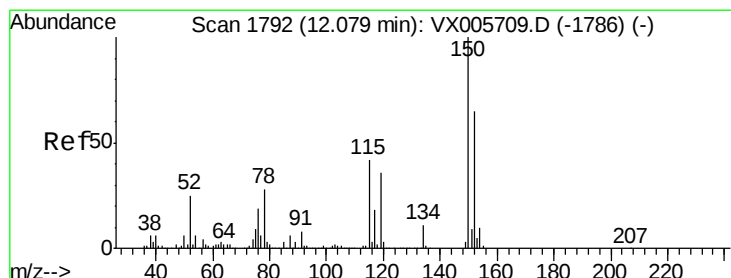
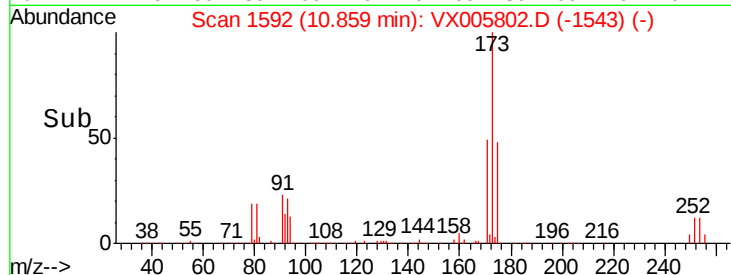
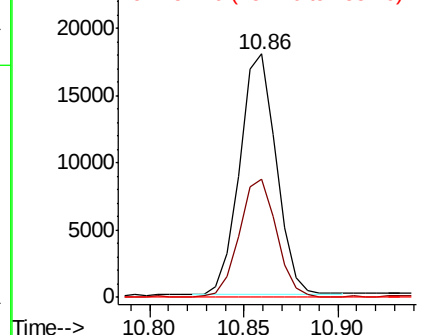
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

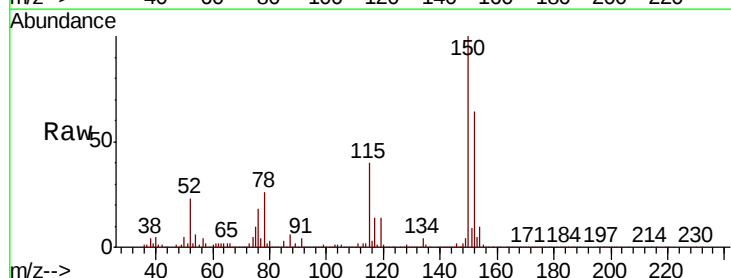
Tgt Ion:152 Resp: 124474

Ion Ratio Lower Upper

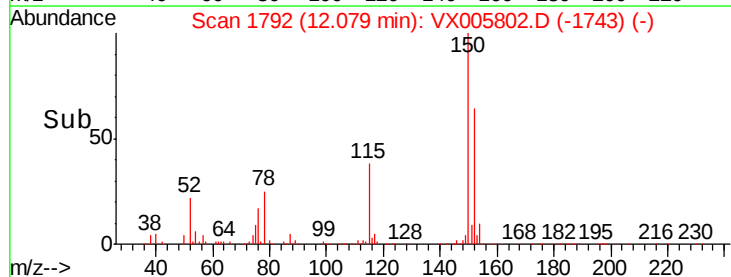
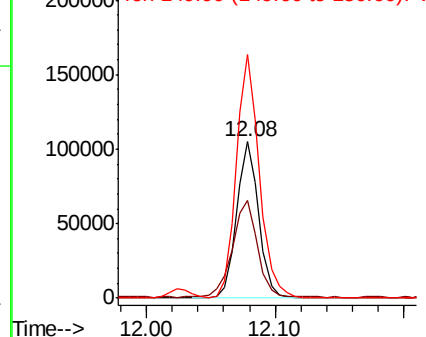
152 100

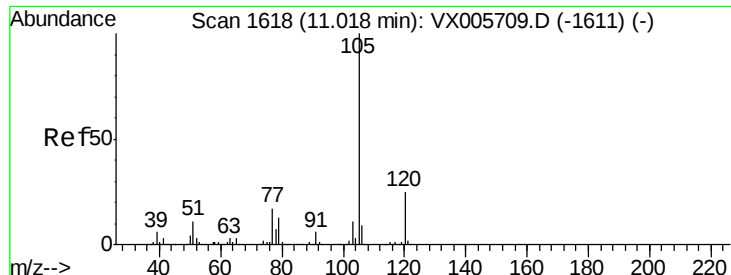
115 70.2 39.4 118.1

150 163.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.130 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 105 Resp: 165309

Ion Ratio Lower Upper

105 100

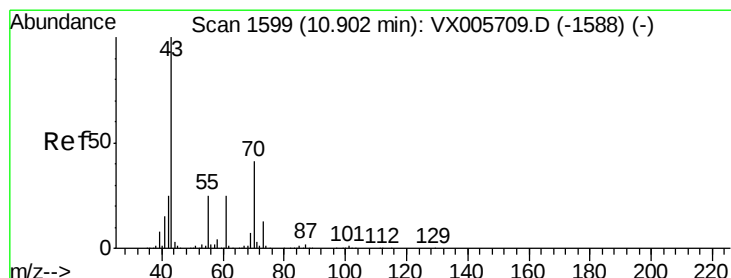
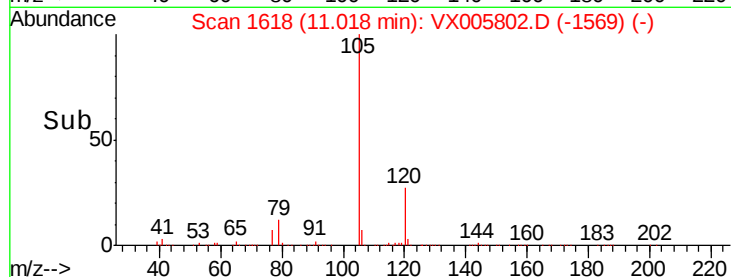
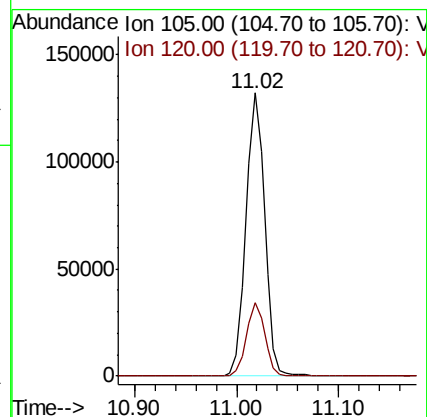
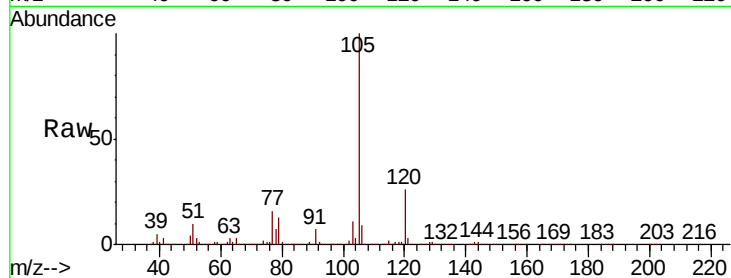
120 25.8 13.1 39.3

Manual Integrations

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11/7/2018 11:02:34 AM



#74

N-ethyl acetate

Concen: 18.366 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Tgt Ion: 43 Resp: 80298

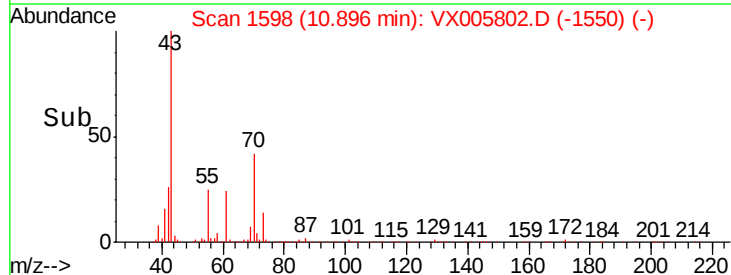
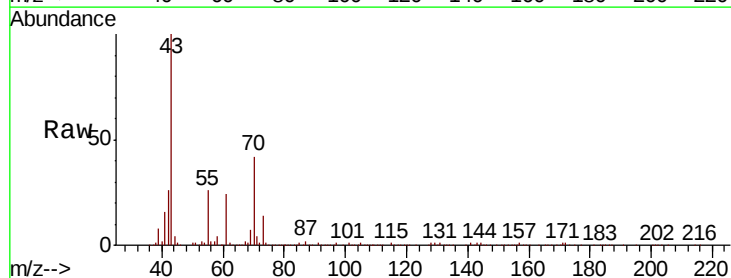
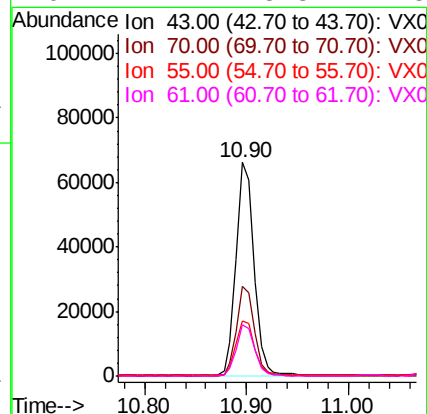
Ion Ratio Lower Upper

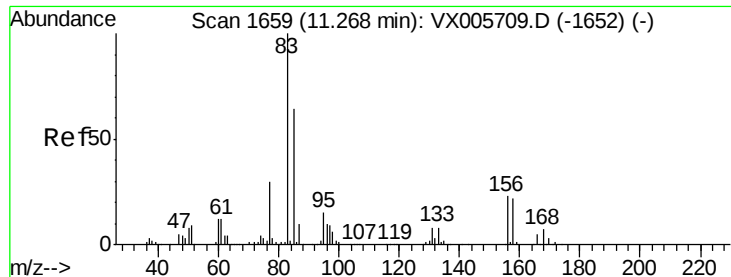
43 100

70 42.1 31.6 47.4

55 26.5 19.7 29.5

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.887 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 83 Resp: 60939

Ion Ratio Lower Upper

83 100

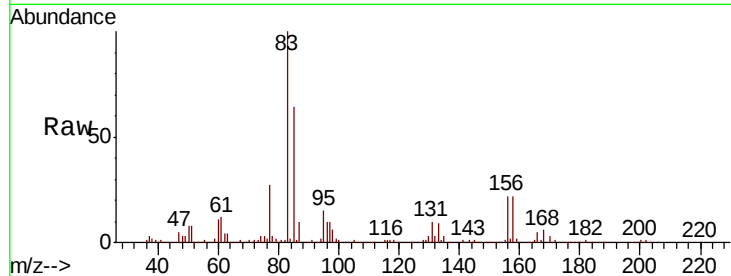
131 9.8 5.3 15.9

85 64.5 32.0 96.2

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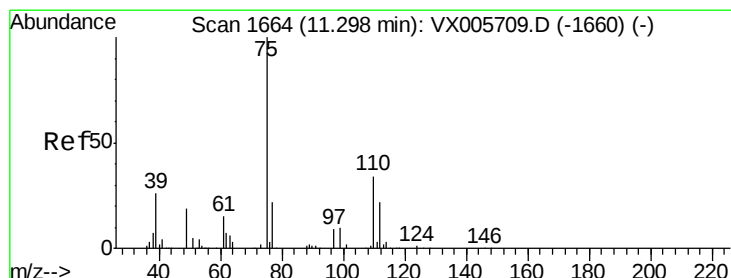
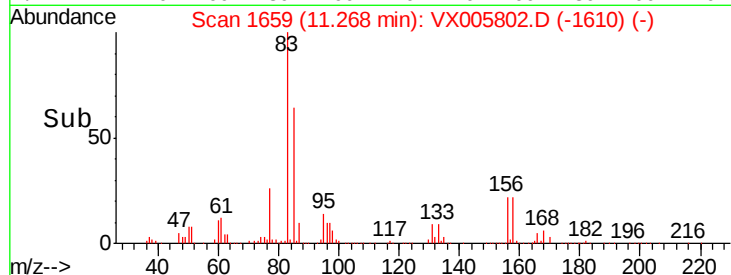
Abundance Ion 82.90 (82.60 to 83.60): VX005709.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX005709.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX005709.D (-1652) (-)

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.502 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005802.D

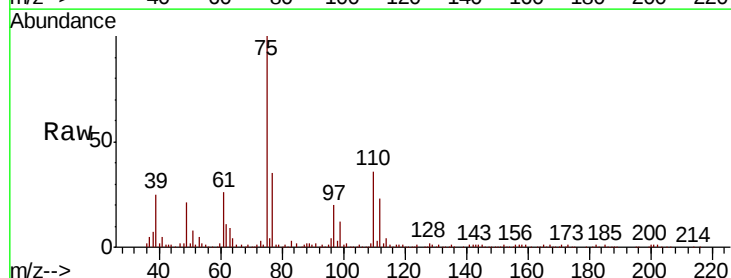
Acq: 06 Nov 2018 12:12

Tgt Ion: 75 Resp: 57359

Ion Ratio Lower Upper

75 100

77 38.6 20.5 61.6

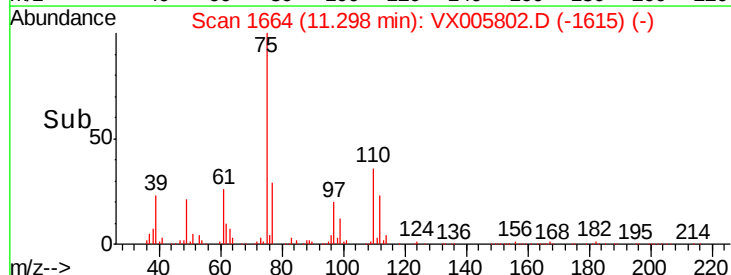


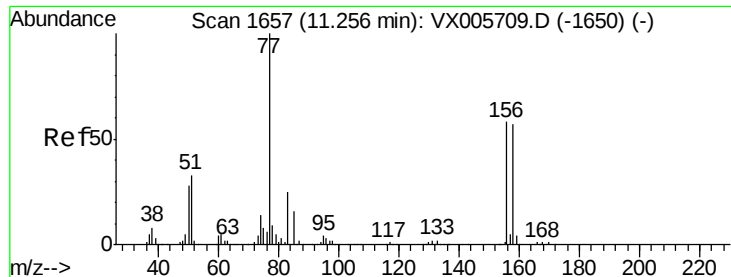
Abundance Ion 74.90 (74.60 to 75.60): VX005709.D (-1660) (-)

Ion 77.00 (76.70 to 77.70): VX005709.D (-1660) (-)

11.30

Time-->





#77

Bromobenzene

Concen: 19.851 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:156 Resp: 40439

Ion Ratio Lower Upper

156 100

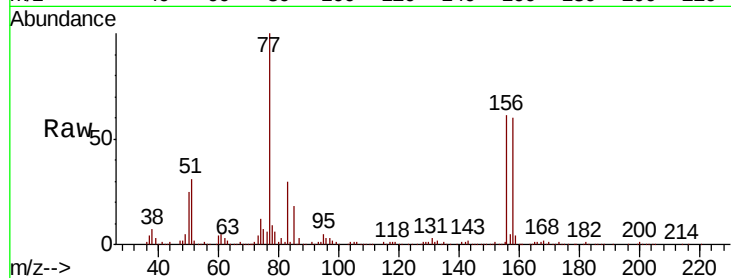
77 168.6 74.8 224.4

158 96.0 49.1 147.3

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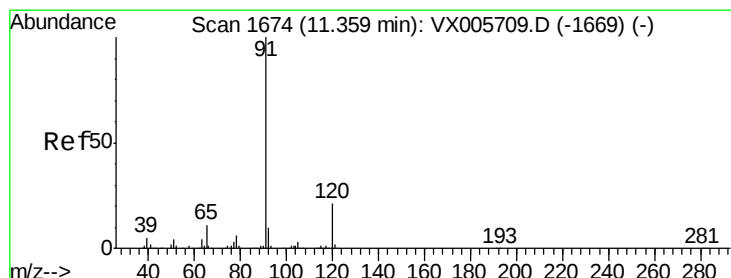
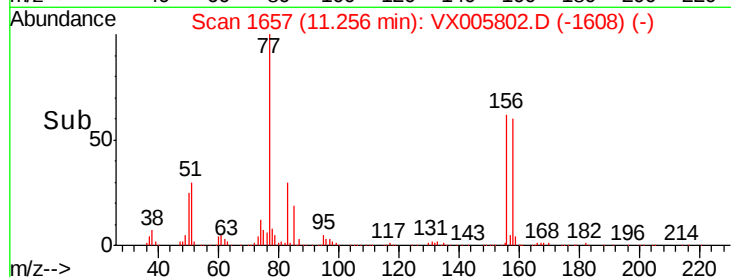
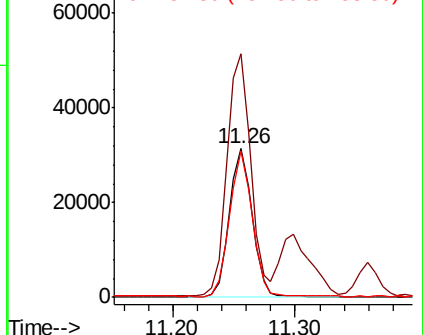
11/7/2018 11:02:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.860 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005802.D

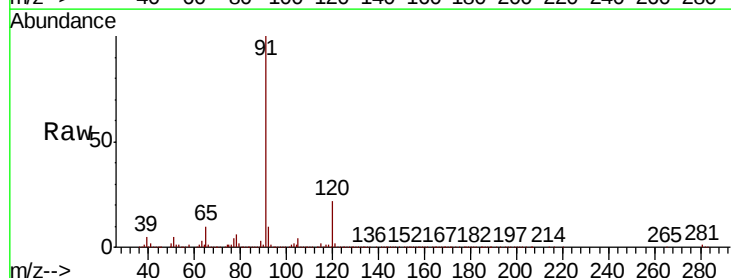
Acq: 06 Nov 2018 12:12

Tgt Ion: 91 Resp: 198401

Ion Ratio Lower Upper

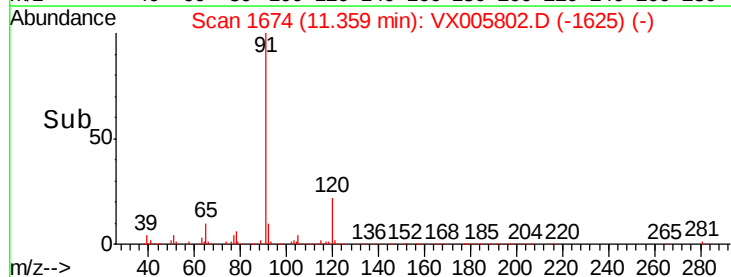
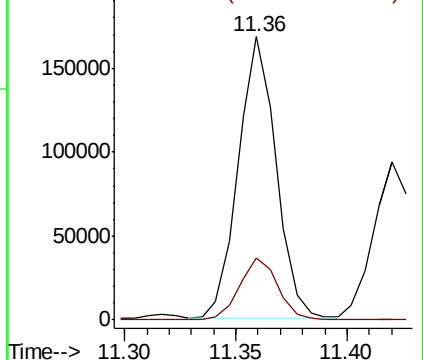
91 100

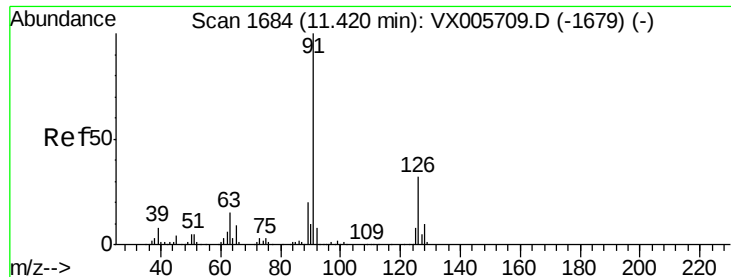
120 22.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.304 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion: 91 Resp: 115177

Ion Ratio Lower Upper

91 100

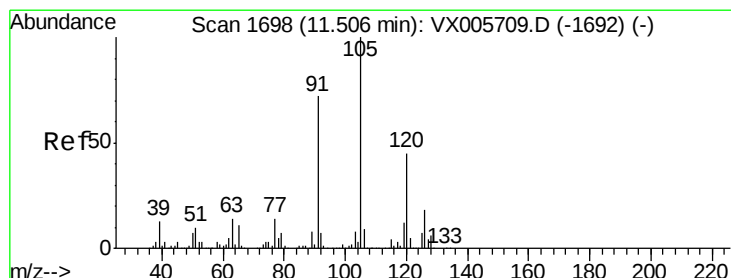
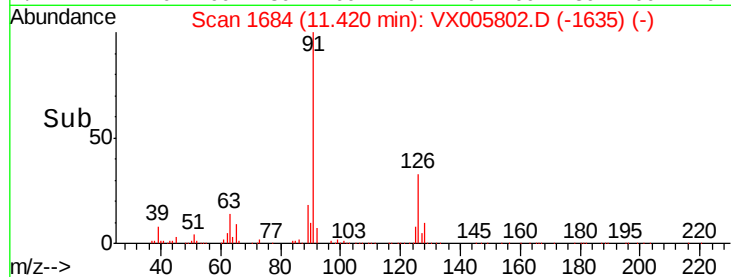
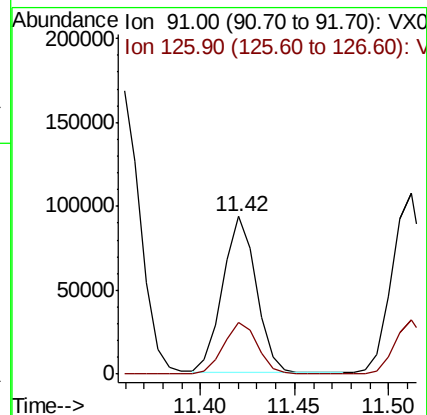
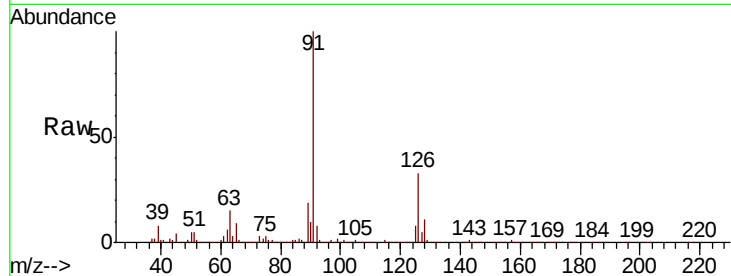
126 33.7 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.955 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005802.D

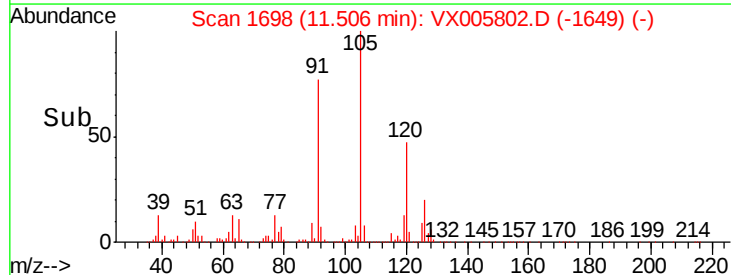
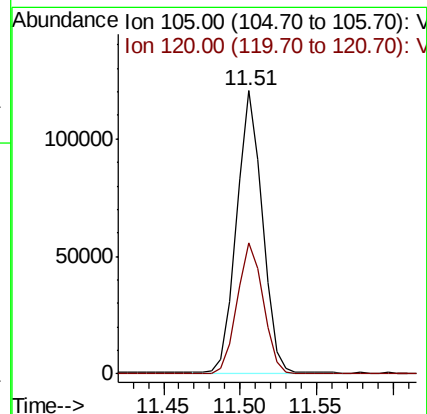
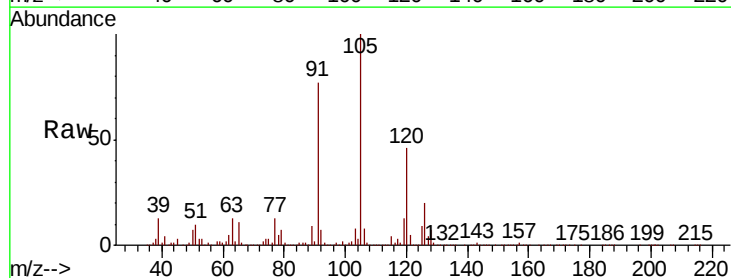
Acq: 06 Nov 2018 12:12

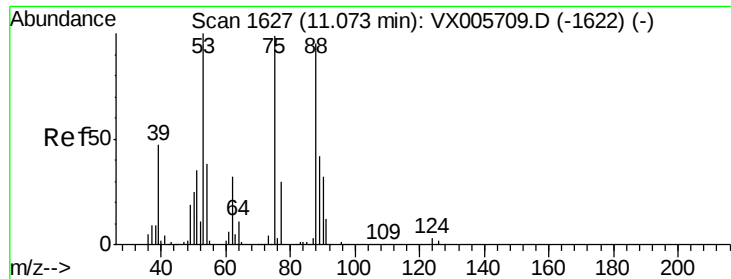
Tgt Ion: 105 Resp: 139138

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2





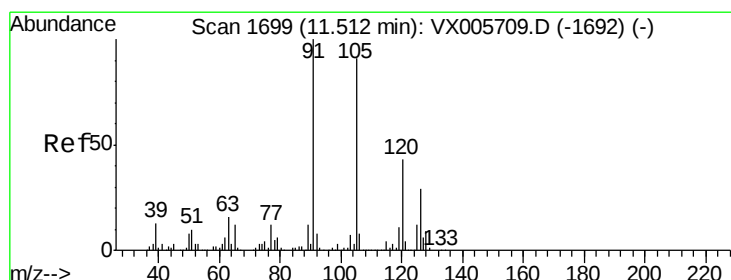
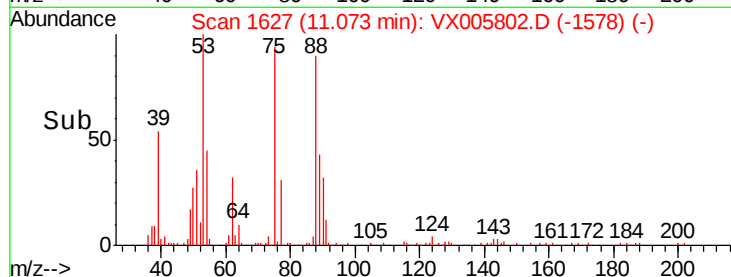
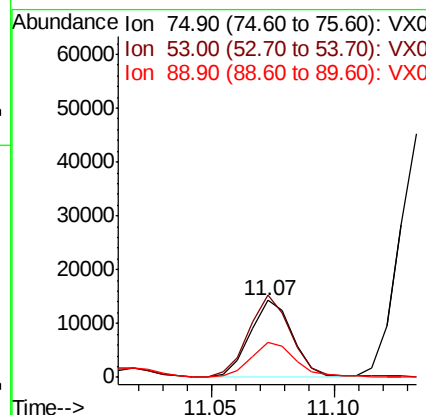
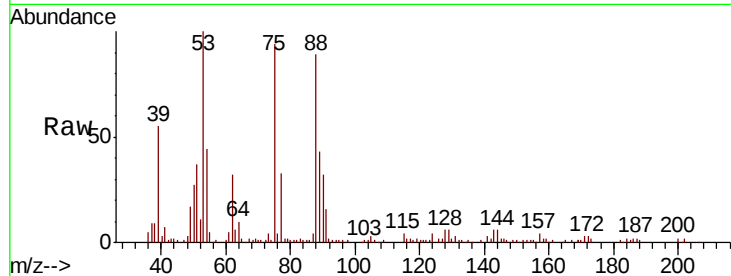
#81
trans-1,4-Dichloro-2-butene
Concen: 17.971 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.0	80.2	120.2
89	49.7	39.8	59.8

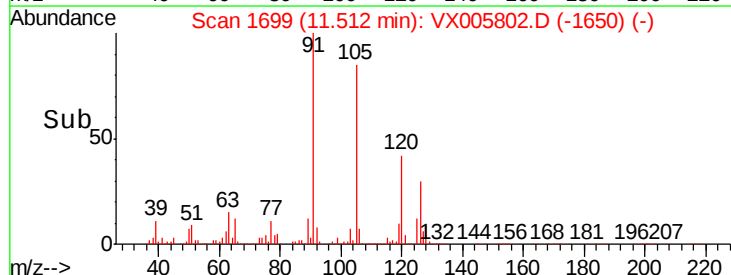
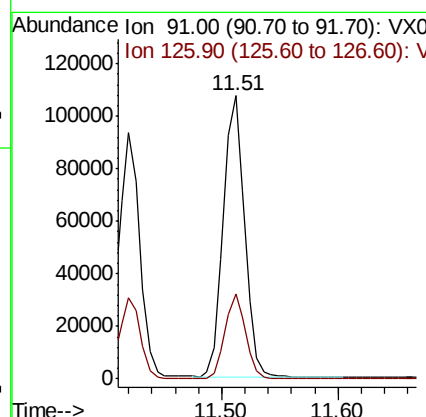
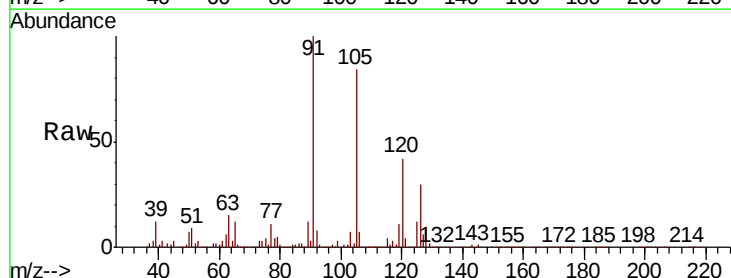
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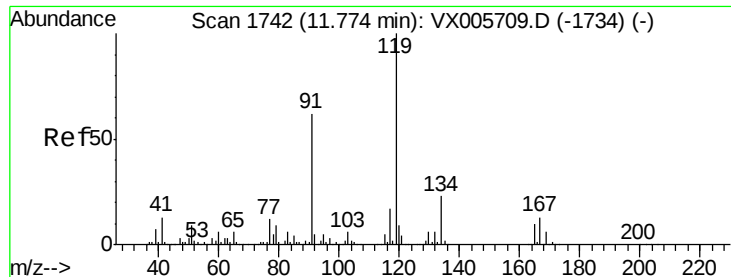
MMDadoda
11/7/2018 11:02:34 AM



#82
4-Chlorotoluene
Concen: 19.074 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	15.2	45.6





#83

tert-Butylbenzene

Concen: 20.286 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

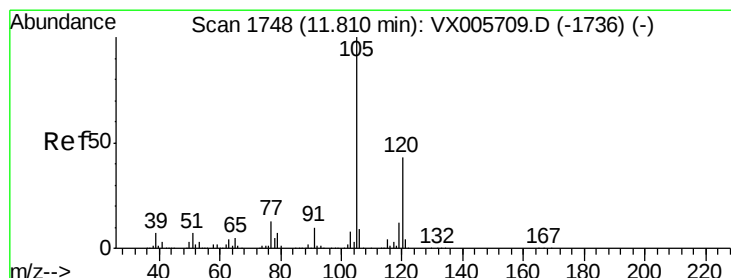
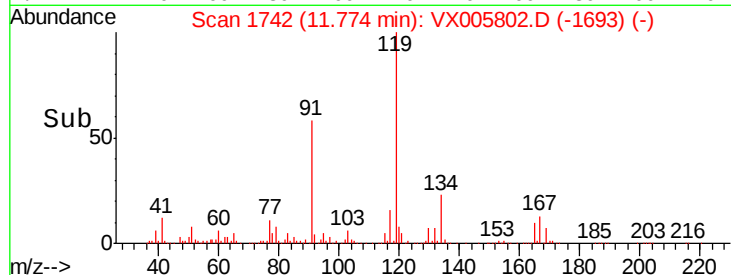
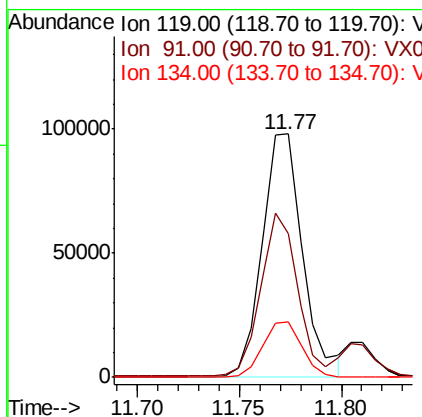
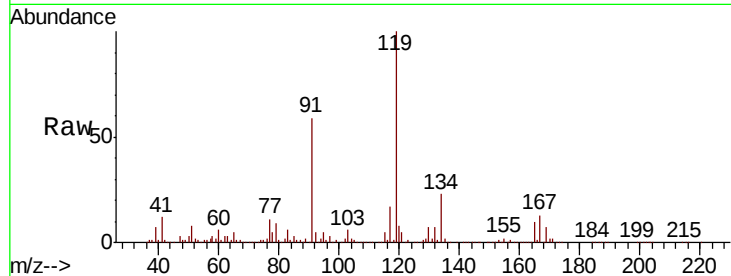
ClientSampleId :

VX1106MBS01

Tot Ion:	119	Resp:	134961
Ion Ratio	Lower	Upper	
119	100		
91	61.1	28.5	85.5
134	22.3	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.561 ug/l

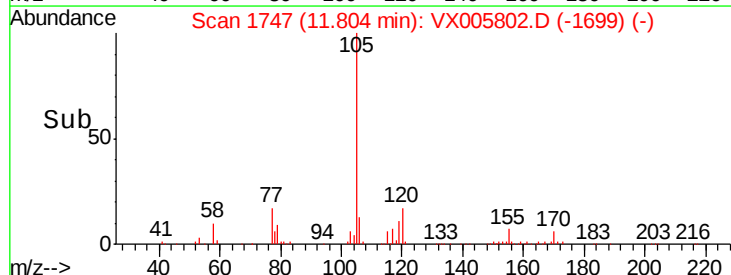
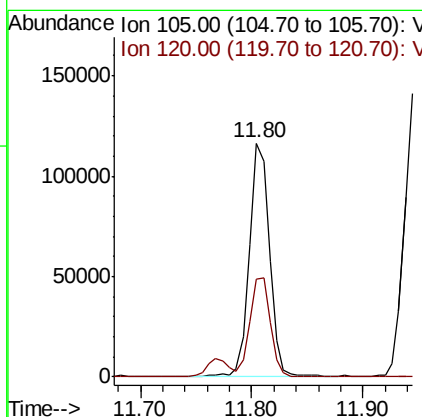
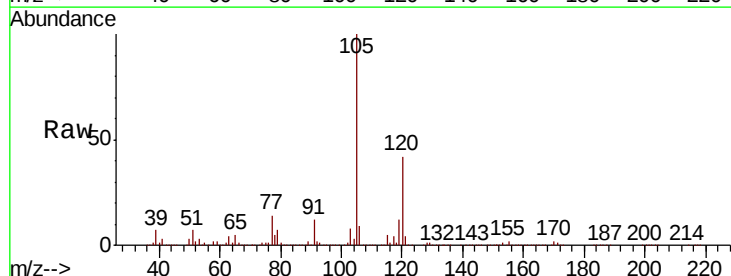
RT: 11.80 min Scan# 1747

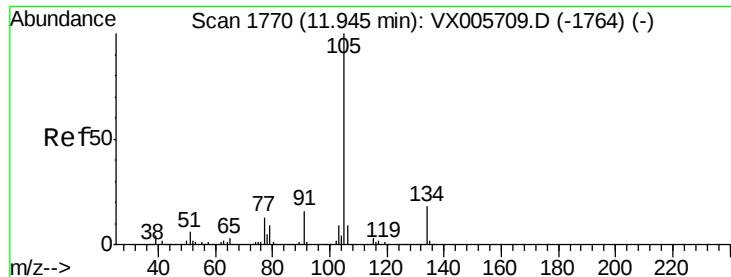
Delta R.T. -0.01 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Tgt Ion:	105	Resp:	144768
Ion Ratio	Lower	Upper	
105	100		
120	43.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.113 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX1106MBS01

Tot Ion:105 Resp: 171648

Ion Ratio Lower Upper

105 100

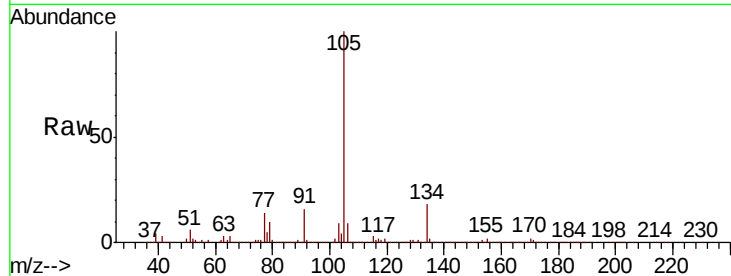
134 19.0 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

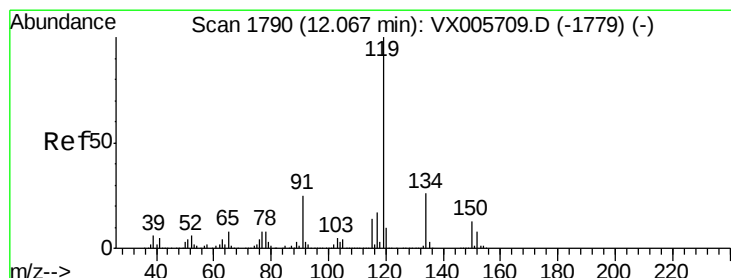
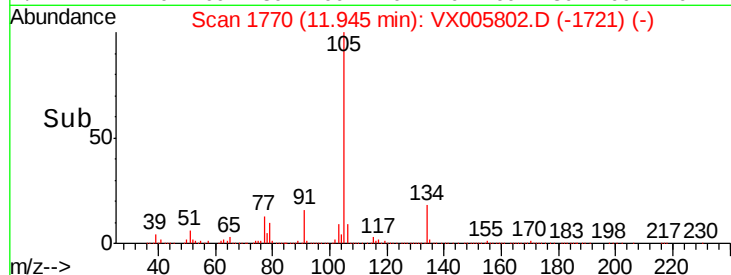
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.388 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

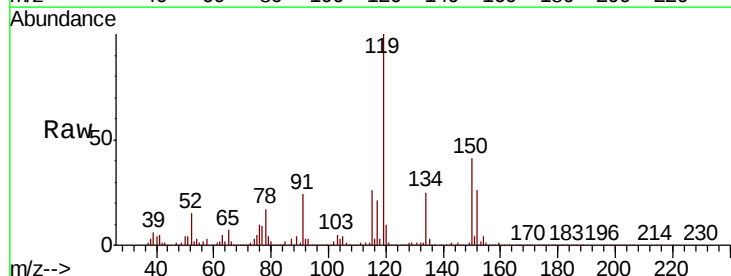
Tgt Ion:119 Resp: 147982

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 27.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

150000

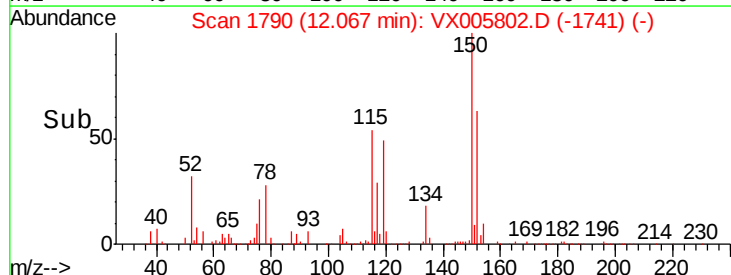
100000

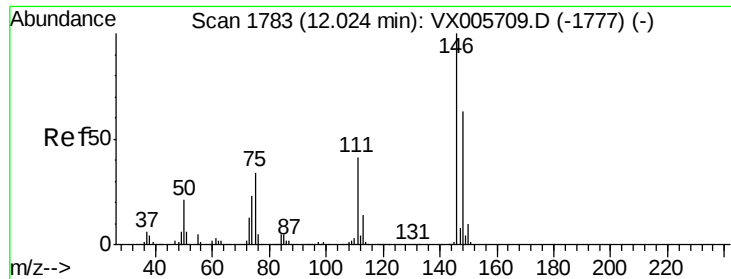
50000

0

12.00 12.10

Time-->





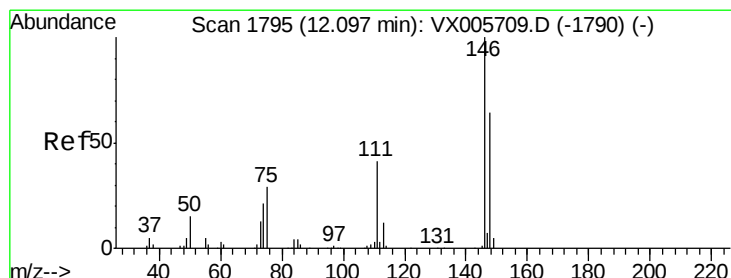
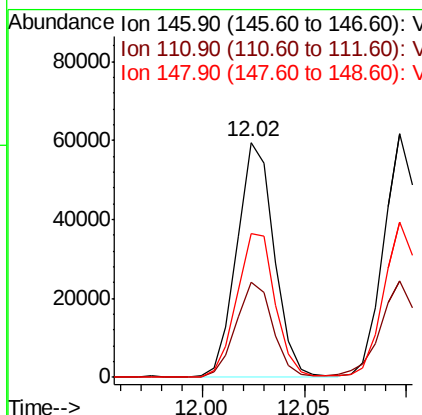
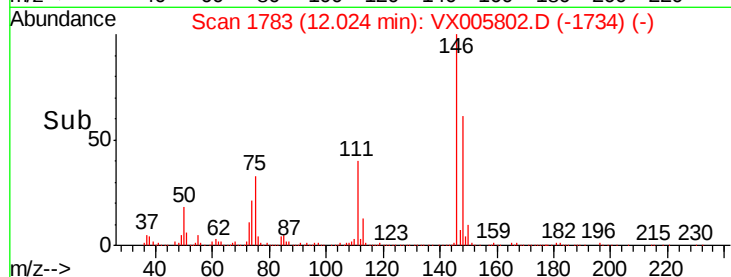
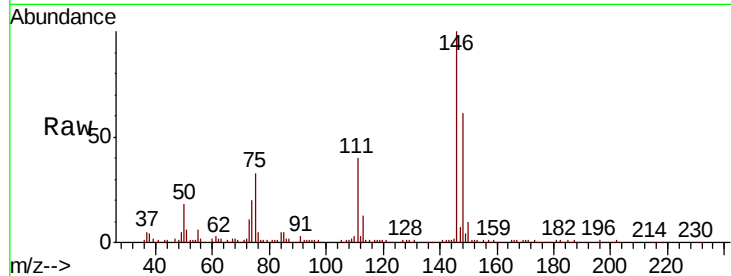
#87
 1,3-Dichlorobenzene
 Concen: 19.132 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.0	57.0
148	63.5	31.9	95.9

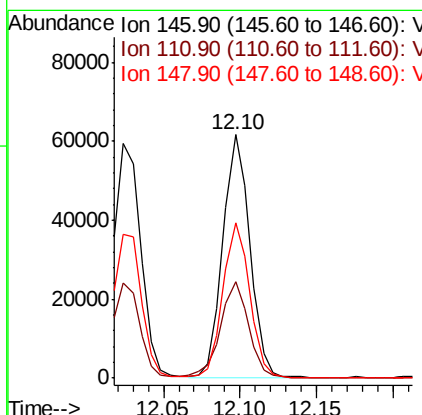
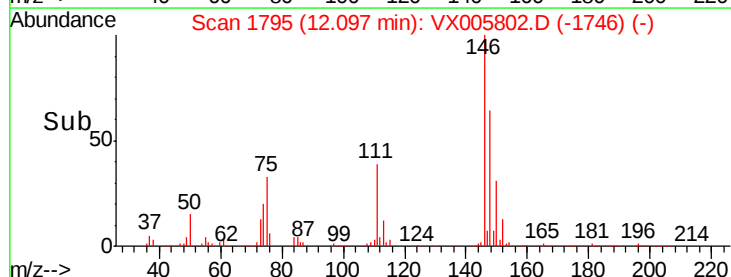
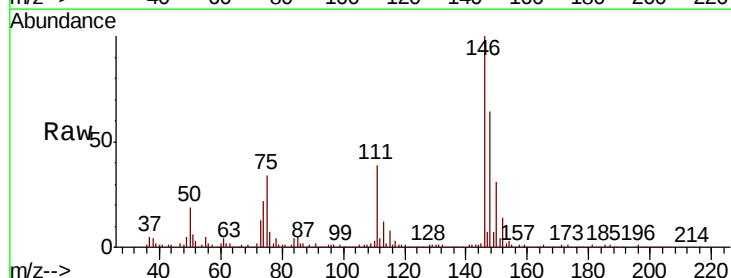
Manual Integrations
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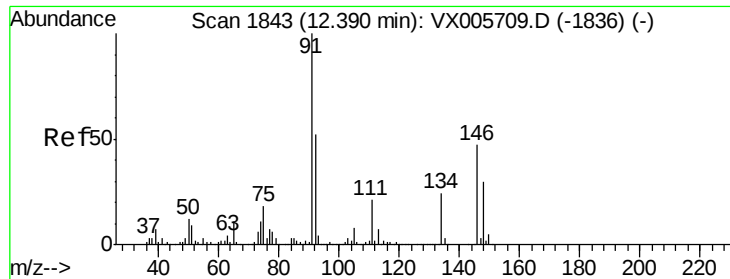
MMDadoda
 11/7/2018 11:02:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.816 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.6	55.8
148	64.3	32.1	96.3





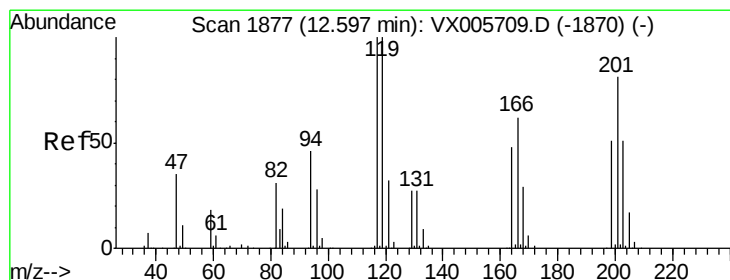
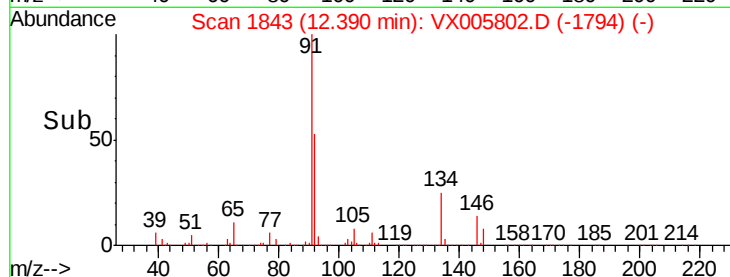
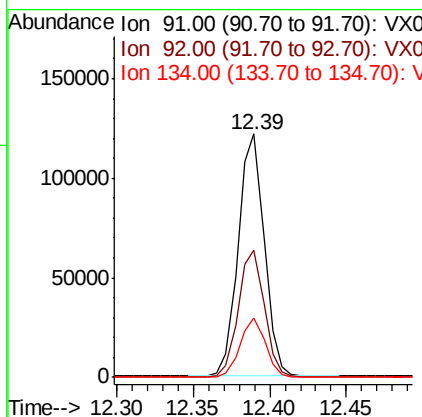
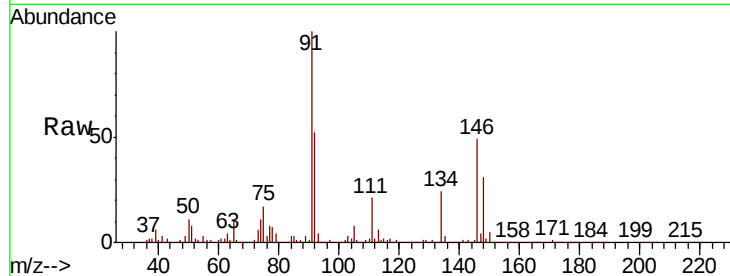
#89
n-Butylbenzene
Concen: 19.657 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX1106MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	23.8	13.1	39.3

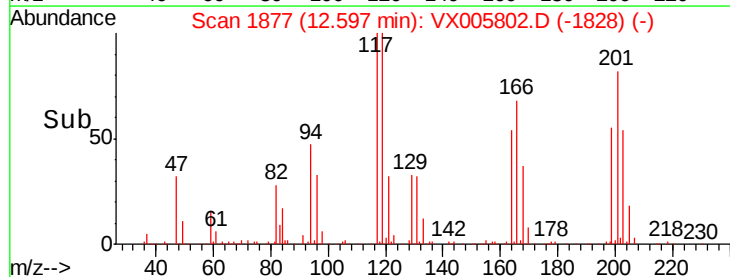
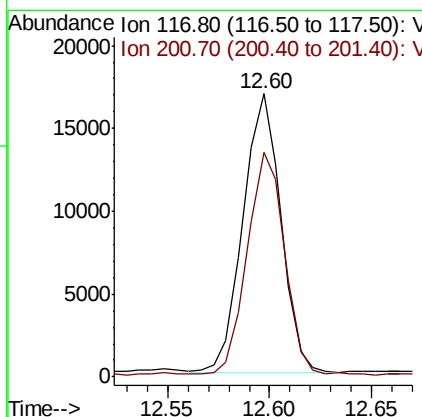
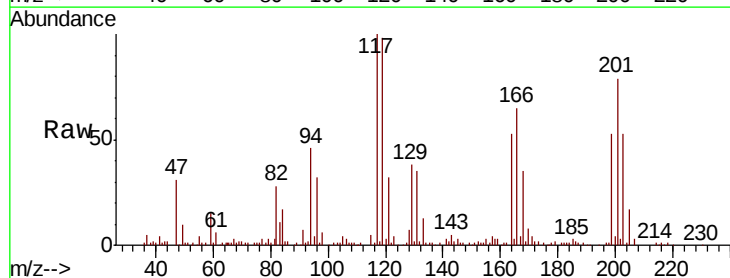
Manual Integrations
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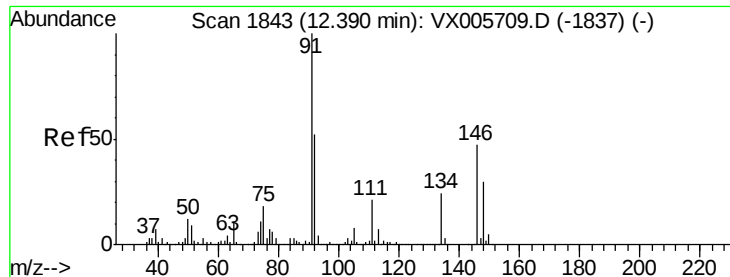
MMDadoda
11/7/2018 11:02:34 AM



#90
Hexachloroethane
Concen: 16.858 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005802.D
Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	47.9	143.6





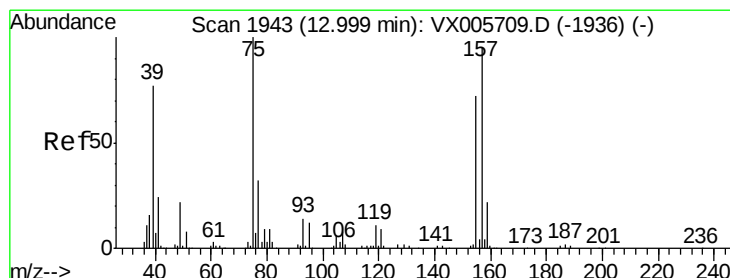
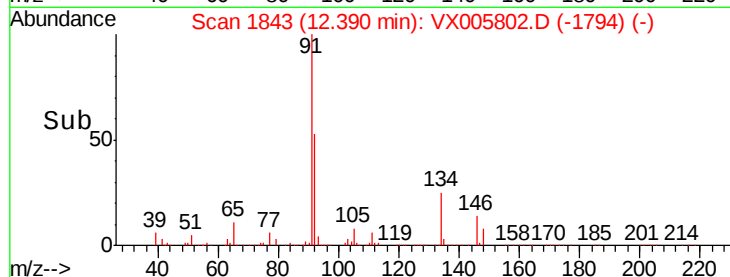
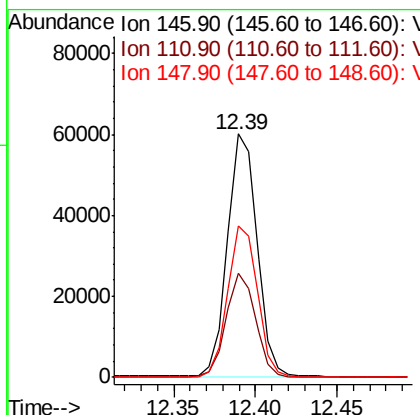
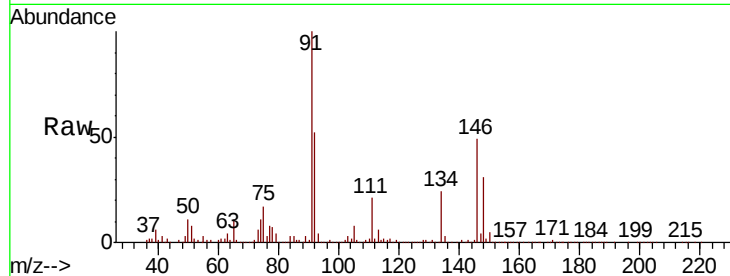
#91
 1,2-Dichlorobenzene
 Concen: 18.379 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.0	59.9
148	63.1	32.2	96.6

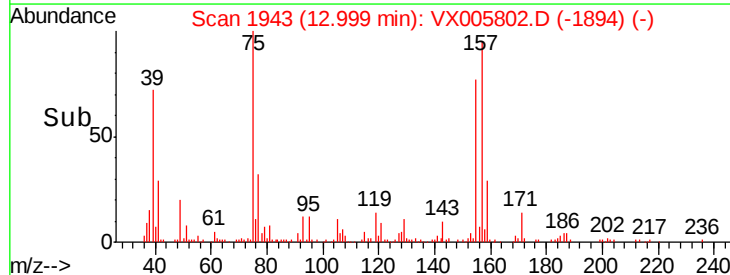
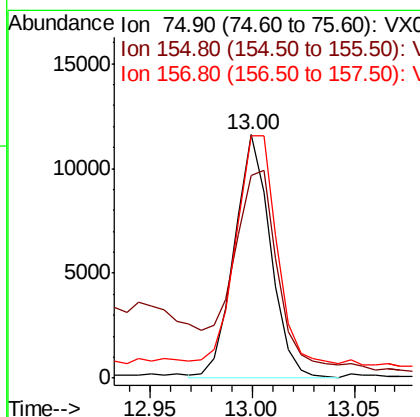
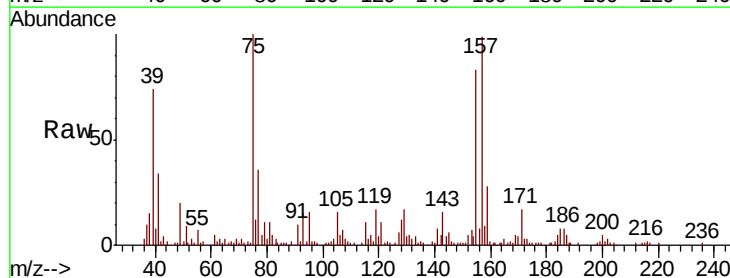
Manual Integrations
 APPROVED

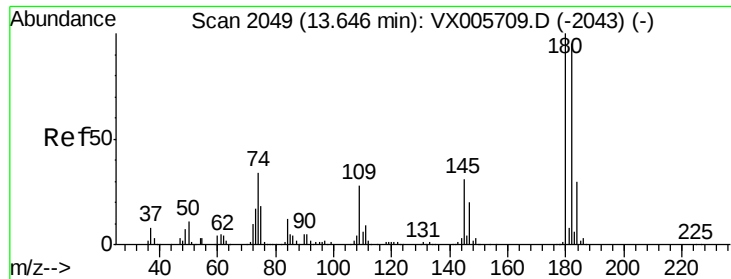
MMDadoda
 11/7/2018 11:02:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.927 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	45.4	136.1
157	113.5	57.4	172.0





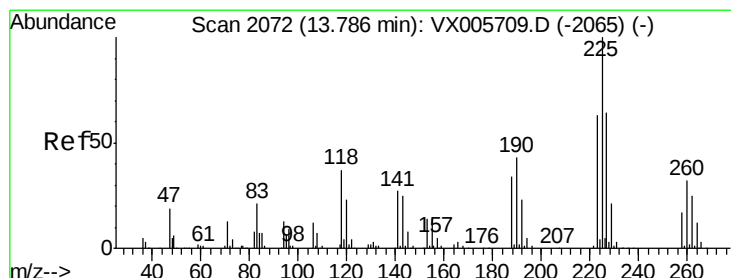
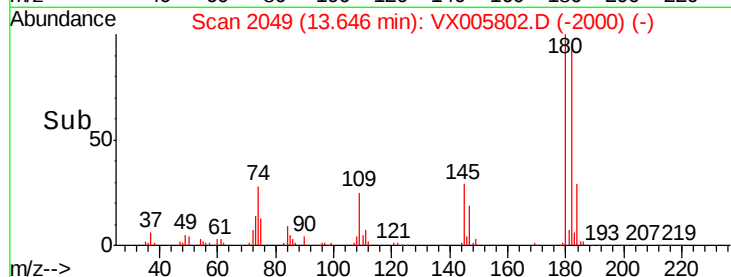
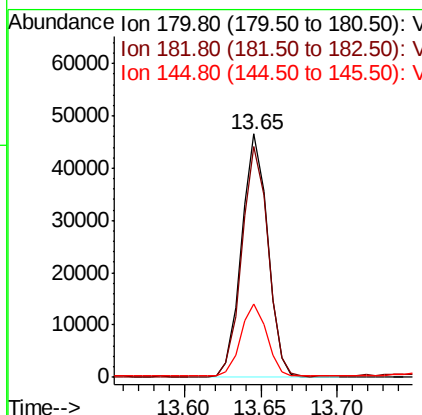
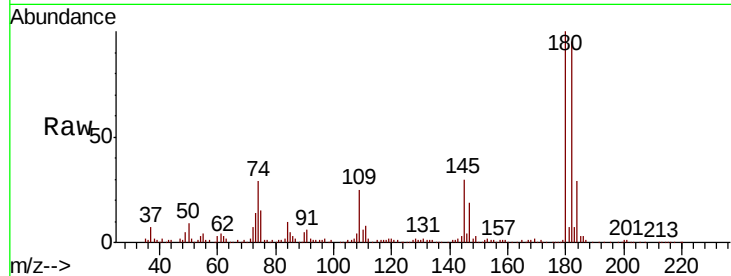
#93
 1,2,4-Trichlorobenzene
 Concen: 20.814 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106MBS01

Tot Ion:	180	Resp:	54934
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.6	142.8
145	29.8	14.1	42.2

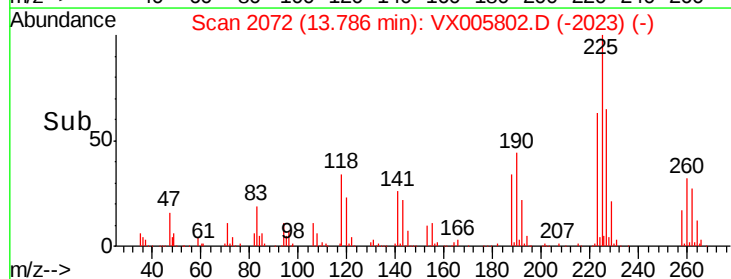
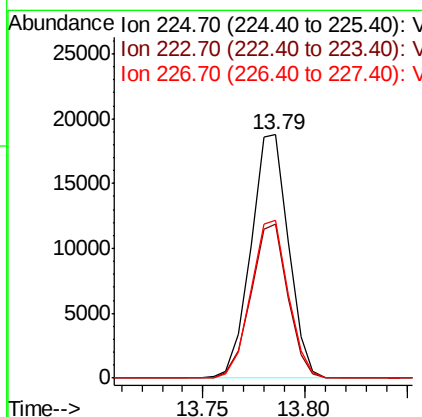
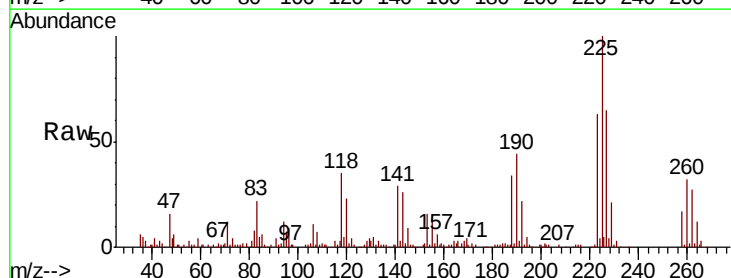
Manual Integrations
 APPROVED

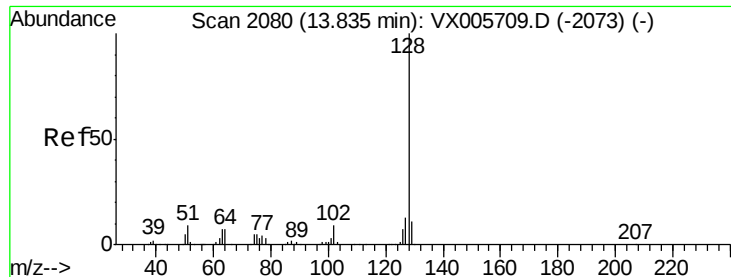
MMDadoda
 11/7/2018 11:02:34 AM



#94
 Hexachlorobutadiene
 Concen: 18.860 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005802.D
 Acq: 06 Nov 2018 12:12

Tgt Ion:	225	Resp:	24081
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.7	95.1
227	64.2	32.3	96.9





#95

Naphthalene

Concen: 22.075 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Instrument :

MSVOA_X

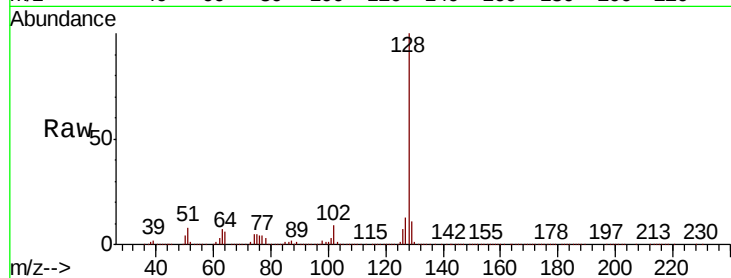
ClientSampleId :

VX1106MBS01

Tot Ion:	128	Resp:	191610
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/7/2018 11:02:34 AM

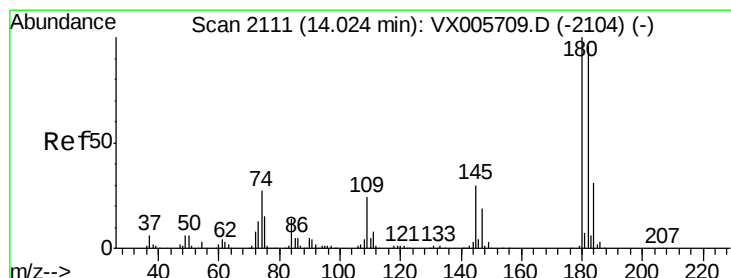
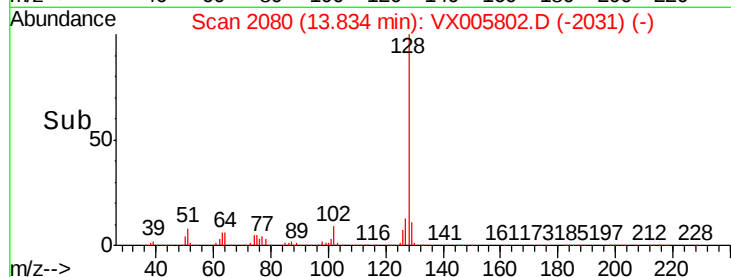
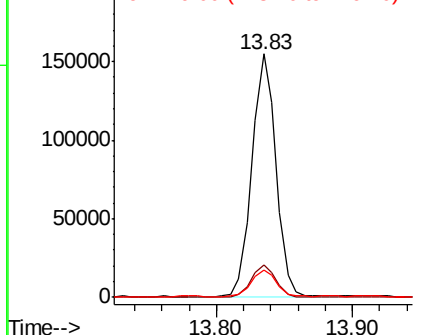


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.724 ug/l

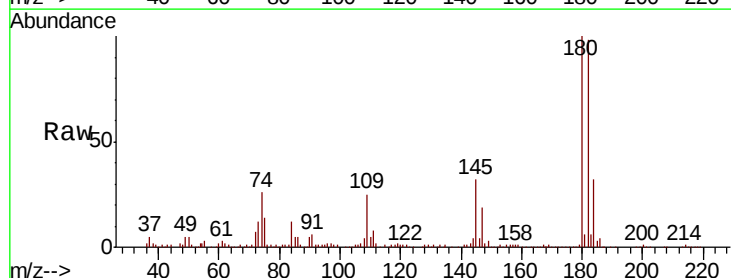
RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005802.D

Acq: 06 Nov 2018 12:12

Tgt Ion:	180	Resp:	55683
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.0	144.2
145	30.8	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

