

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\
 Data File : VX005707.D
 Acq On : 31 Oct 2018 14:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:48:59 AM

Quant Time: Oct 31 15:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 15:44:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	111571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	181913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	8888	6.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.06%	
35) Dibromofluoromethane	5.51	113	6680	5.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	10.84%	
50) Toluene-d8	8.71	98	21767	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
62) 4-Bromofluorobenzene	11.14	95	7403	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5062	4.597	ug/l 93
3) Chloromethane	1.32	50	7112	5.071	ug/l 97
4) Vinyl Chloride	1.40	62	7512	5.447	ug/l 95
5) Bromomethane	1.64	94	10555	12.301	ug/l 98
6) Chloroethane	1.71	64	5390	6.118	ug/l 95
7) Trichlorofluoromethane	1.92	101	10078	5.259	ug/l 92
8) Diethyl Ether	2.19	74	4647	6.077	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	6776	6.163	ug/l 93
10) Methyl Iodide	2.51	142	4110	3.956	ug/l 99
11) Tert butyl alcohol	3.07	59	11422	31.166	ug/l 96
12) 1,1-Dichloroethene	2.37	96	6173	5.894	ug/l 89
13) Acrolein	2.29	56	4667	24.964	ug/l 97
14) Allyl chloride	2.73	41	12988	5.557	ug/l 95
15) Acrylonitrile	3.15	53	25147	30.599	ug/l 99
16) Acetone	2.45	43	24367	33.859	ug/l 94
17) Carbon Disulfide	2.56	76	18004	5.639	ug/l 100
18) Methyl Acetate	2.78	43	13234	6.564	ug/l 96
19) Methyl tert-butyl Ether	3.20	73	21470	5.747	ug/l 97
20) Methylene Chloride	2.85	84	7757	6.436	ug/l 89
21) trans-1,2-Dichloroethene	3.17	96	6453	5.643	ug/l 96
22) Diisopropyl ether	3.86	45	22388	5.485	ug/l # 82
23) Vinyl Acetate	3.82	43	97219	27.044	ug/l 100
24) 1,1-Dichloroethane	3.70	63	13978	6.299	ug/l 98
25) 2-Butanone	4.70	43	34439	31.425	ug/l 95
26) 2,2-Dichloropropane	4.59	77	10177	5.940	ug/l 98
27) cis-1,2-Dichloroethene	4.59	96	7344	5.957	ug/l 89
28) Bromochloromethane	5.02	49	6591	6.141	ug/l 88
29) Tetrahydrofuran	5.16	42	20397	28.600	ug/l 96
30) Chloroform	5.21	83	13471	6.489	ug/l 89
31) Cyclohexane	5.57	56	10689	5.821	ug/l 88
32) 1,1,1-Trichloroethane	5.48	97	10305	5.625	ug/l 95
36) 1,1-Dichloropropene	5.80	75	9668	5.476	ug/l 99
37) Ethyl Acetate	4.85	43	12423	5.515	ug/l 97
38) Carbon Tetrachloride	5.79	117	8753	4.708	ug/l 96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 11/1/2018 9:48:59 AM

Quant Time: Oct 31 15:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 15:44:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	9229	4.734	ug/l	93
40) Benzene	6.15	78	28701	5.671	ug/l	98
41) Methacrylonitrile	5.06	41	6517	5.193	ug/l	95
42) 1,2-Dichloroethane	6.20	62	10743	5.588	ug/l	99
43) Isopropyl Acetate	6.46	43	16333	4.838	ug/l	97
44) Trichloroethene	7.21	130	6652	4.825	ug/l	93
45) 1,2-Dichloropropane	7.52	63	7381	5.425	ug/l	92
46) Dibromomethane	7.66	93	4699	5.347	ug/l #	85
47) Bromodichloromethane	7.90	83	8635	5.063	ug/l	97
48) Methyl methacrylate	7.77	41	7860	4.779	ug/l	95
49) 1,4-Dioxane	7.76	88	3701	102.979	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	56433	24.874	ug/l	99
52) Toluene	8.79	92	14913	4.849	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	8402	4.558	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	9541	4.808	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	6754	5.209	ug/l	97
56) Ethyl methacrylate	9.18	69	8393	4.339	ug/l	96
57) 1,3-Dichloropropane	9.37	76	11504	5.243	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	25257	23.381	ug/l	91
59) 2-Hexanone	9.50	43	45707	25.552	ug/l	99
60) Dibromochloromethane	9.59	129	5956	4.402	ug/l	98
61) 1,2-Dibromoethane	9.67	107	6491	4.839	ug/l	98
64) Tetrachloroethene	9.34	164	6201	4.578	ug/l	97
65) Chlorobenzene	10.14	112	17009	4.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	5859	4.625	ug/l	96
67) Ethyl Benzene	10.25	91	27822	4.867	ug/l	98
68) m/p-Xylenes	10.36	106	20272	9.140	ug/l	92
69) o-Xylene	10.70	106	9455	4.531	ug/l	93
70) Styrene	10.71	104	15465	4.427	ug/l	96
71) Bromoform	10.86	173	4324	3.825	ug/l #	98
73) Isopropylbenzene	11.02	105	26018	5.265	ug/l	99
74) N-amyl acetate	10.90	43	13100	5.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	11305	6.201	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	10197m	5.954	ug/l	
77) Bromobenzene	11.26	156	6678	4.849	ug/l	87
78) n-propylbenzene	11.36	91	31813	5.630	ug/l	95
79) 2-Chlorotoluene	11.42	91	19400	5.538	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	21824	5.163	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	2767	5.279	ug/l	89
82) 4-Chlorotoluene	11.51	91	22862	5.534	ug/l	96
83) tert-Butylbenzene	11.77	119	20488	4.862	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	21828	5.095	ug/l	95
85) sec-Butylbenzene	11.94	105	26455	5.262	ug/l	98
86) p-Isopropyltoluene	12.07	119	21880	4.868	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	12721	4.912	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	13908	5.145	ug/l	95
89) n-Butylbenzene	12.39	91	20790	5.124	ug/l	97
90) Hexachloroethane	12.60	117	3916	5.052	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	12924	4.933	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2582	5.858	ug/l	83

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

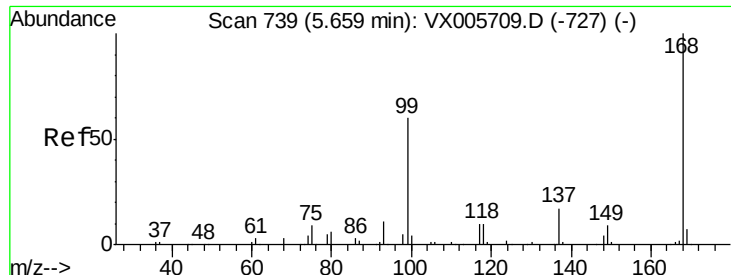
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 15:44:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7961	4.192	ug/l	97
94) Hexachlorobutadiene	13.79	225	4177	4.244	ug/l	96
95) Naphthalene	13.83	128	24472	4.433	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	8295	4.309	ug/l	95

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



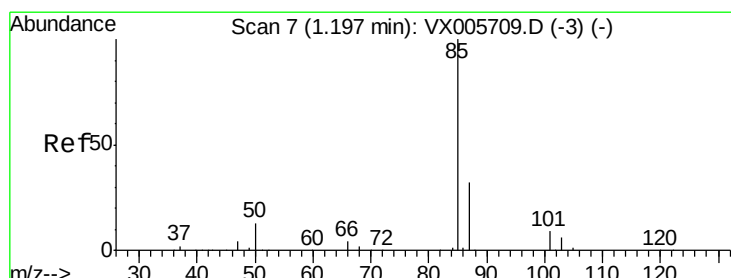
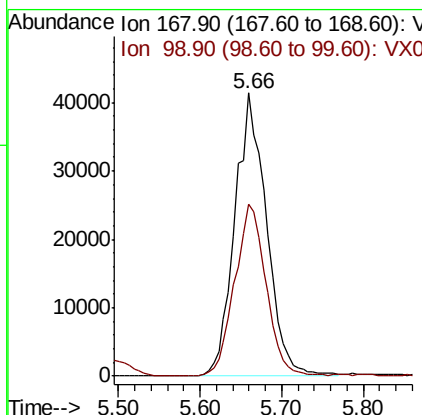
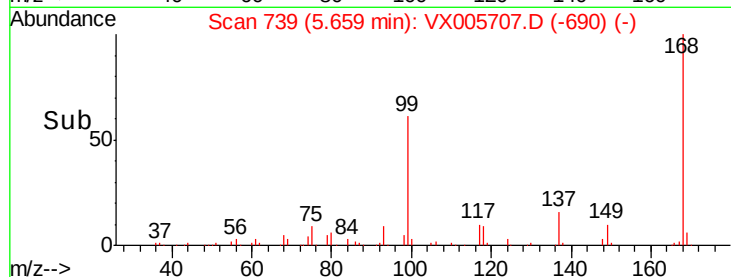
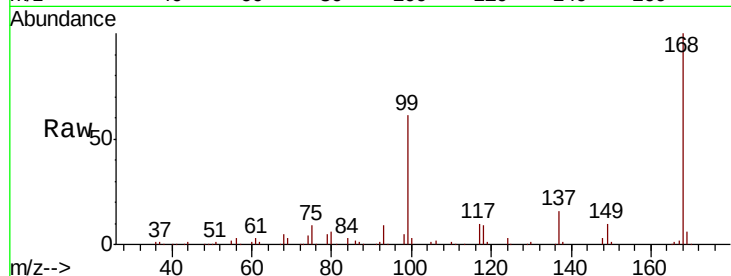
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	60.7	40.7	61.1

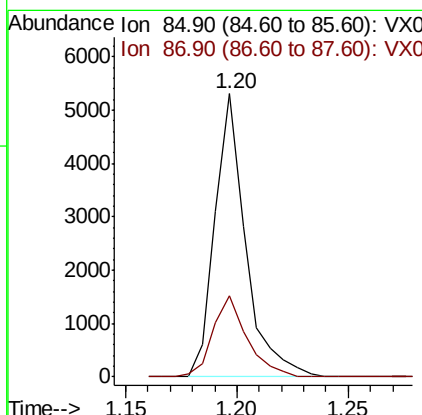
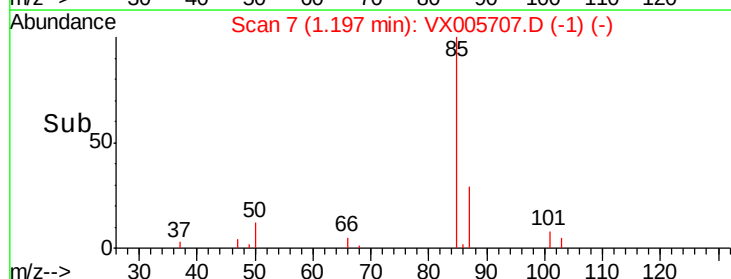
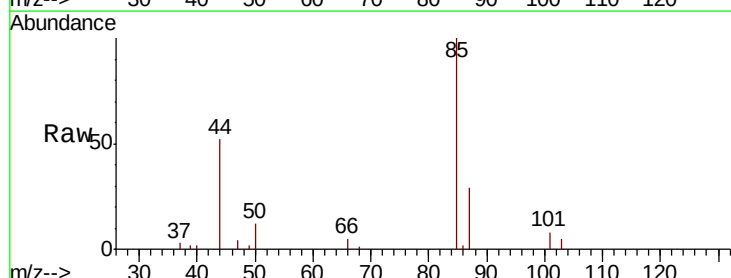
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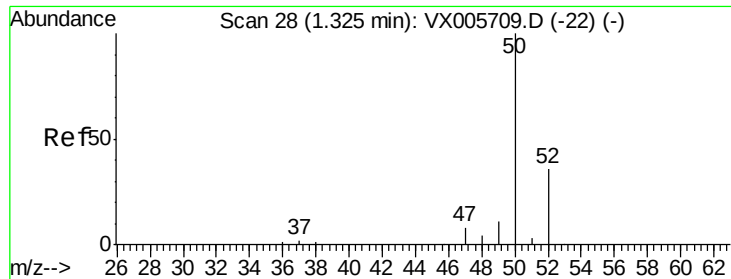
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#2
Dichlorodifluoromethane
Concen: 4.597 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.5	16.3	48.9





#3

Chloromethane

Concen: 5.071 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 7112

Ion Ratio Lower Upper

50 100

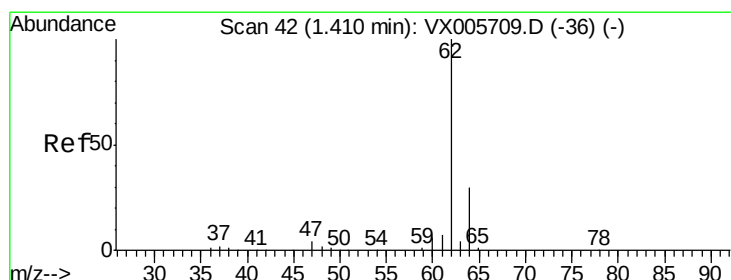
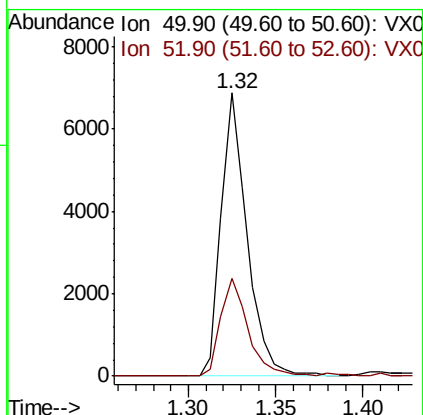
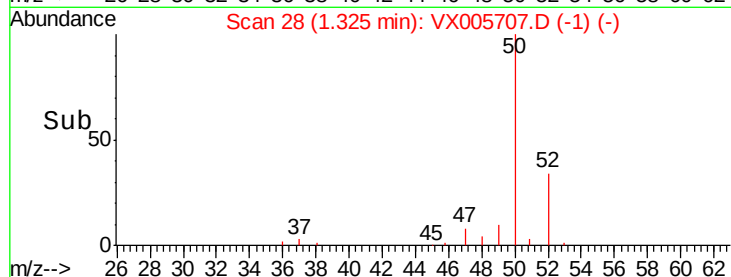
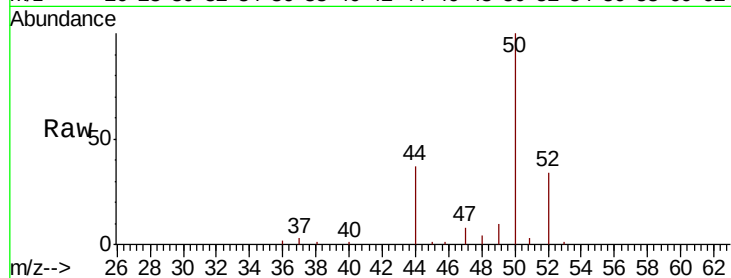
52 34.5 26.2 39.2

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#4

Vinyl Chloride

Concen: 5.447 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX005707.D

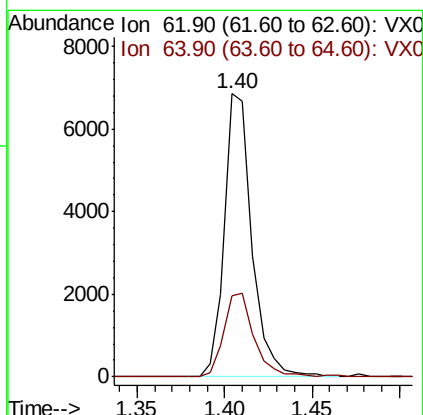
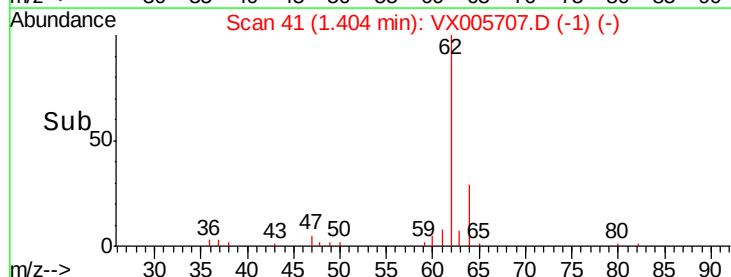
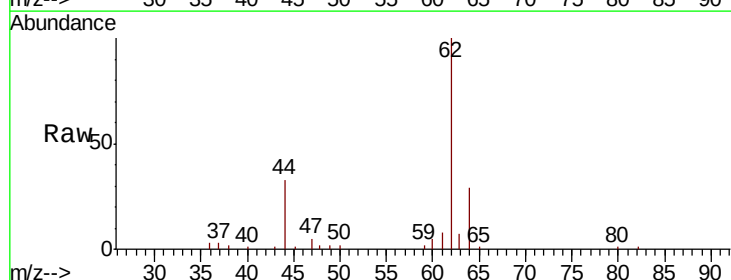
Acq: 31 Oct 2018 14:27

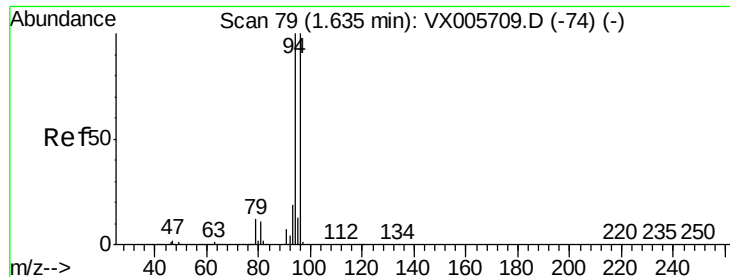
Tgt Ion: 62 Resp: 7512

Ion Ratio Lower Upper

62 100

64 28.7 25.3 37.9





#5

Bromomethane

Concen: 12.301 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10555

Ion Ratio Lower Upper

94 100

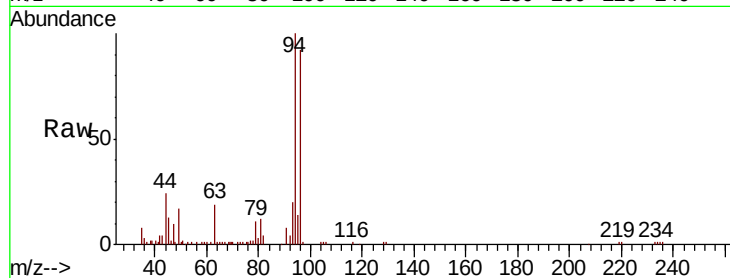
96 92.3 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

12000

10000

8000

6000

4000

2000

0

1.55

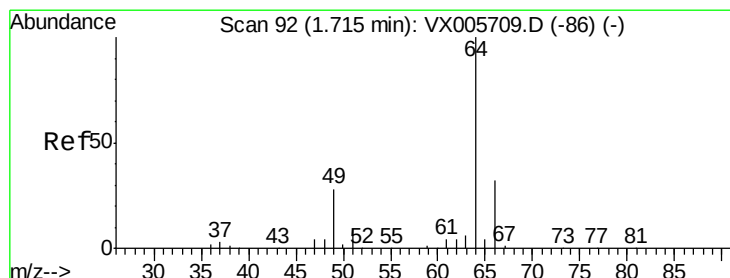
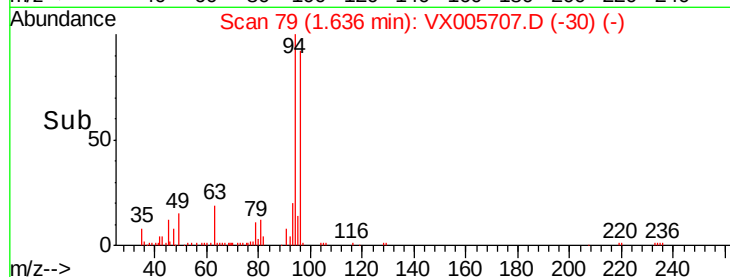
1.60

1.64

1.65

1.70

Time-->



#6

Chloroethane

Concen: 6.118 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005707.D

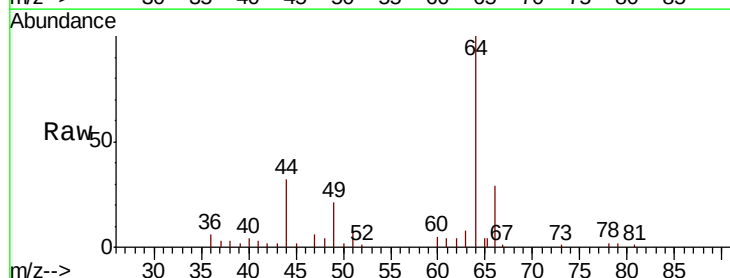
Acq: 31 Oct 2018 14:27

Tgt Ion: 64 Resp: 5390

Ion Ratio Lower Upper

64 100

66 29.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

3000

2000

1000

0

1.65

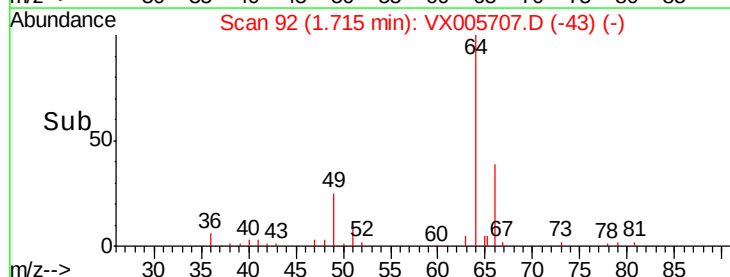
1.70

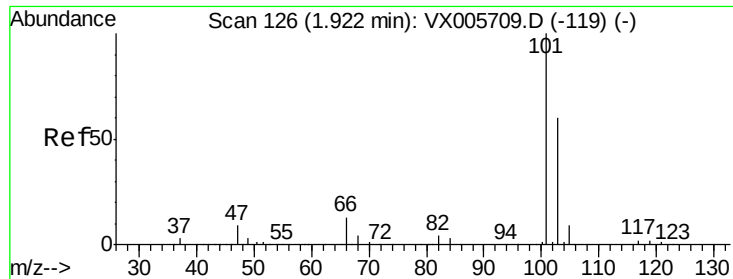
1.71

1.75

1.80

Time-->





#7

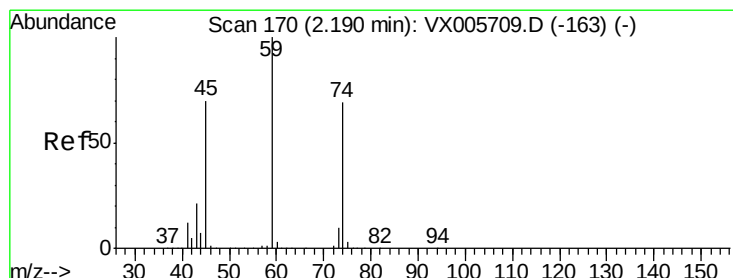
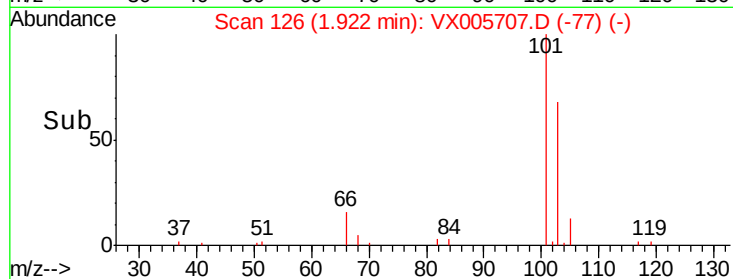
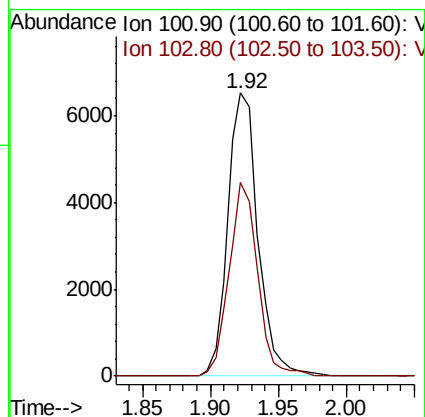
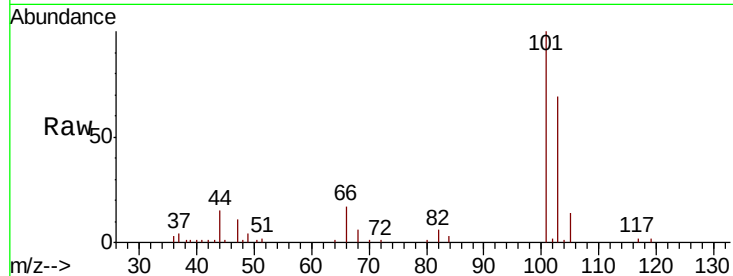
Trichlorofluoromethane
Concen: 5.259 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	50.0	75.0

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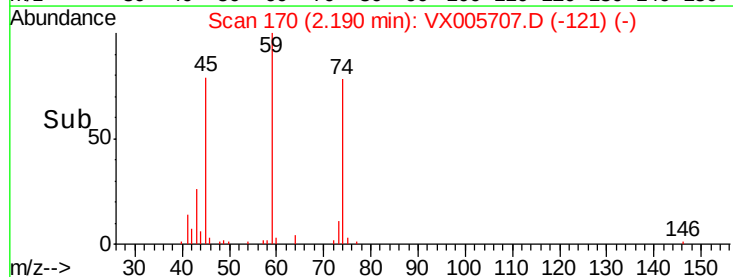
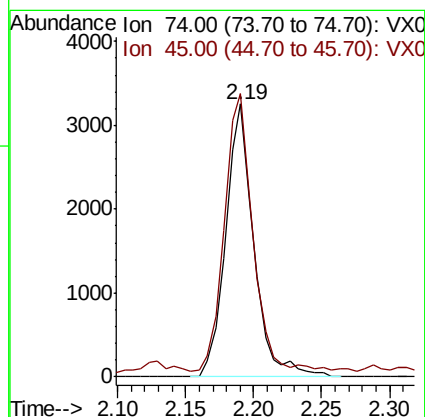
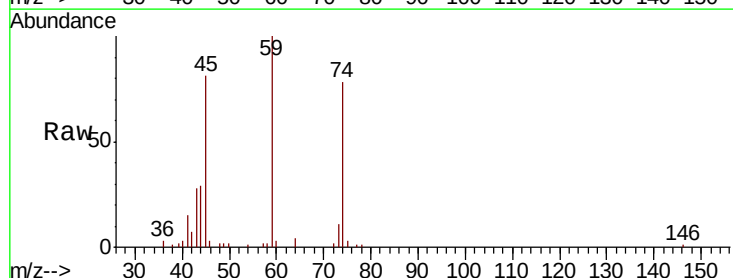
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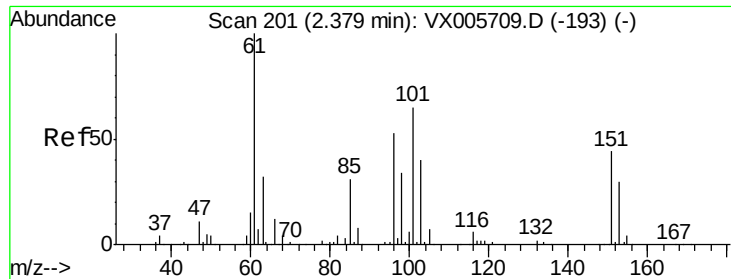


#8

Diethyl Ether
Concen: 6.077 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.163 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

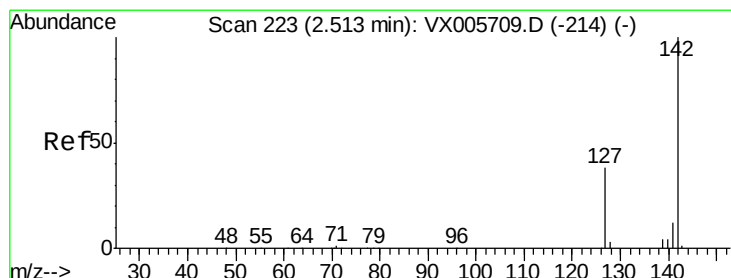
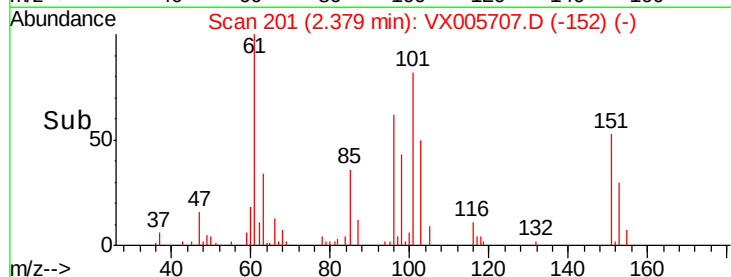
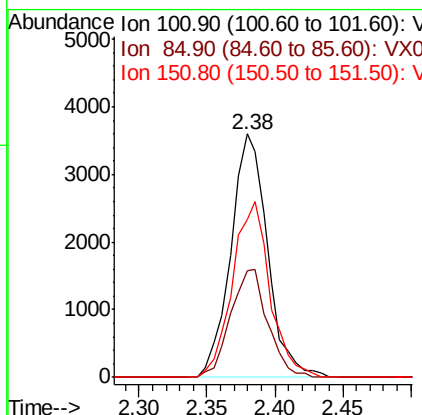
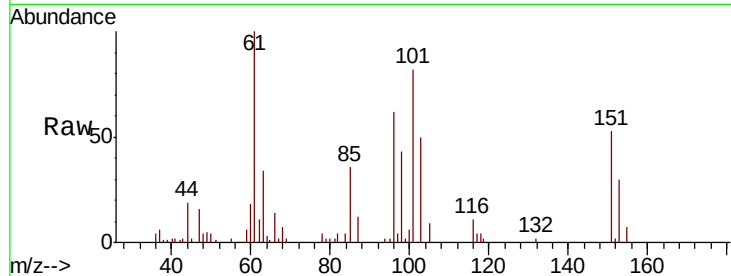
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6776
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.0	52.4
151	73.5	66.2	99.2

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#10

Methyl Iodide

Concen: 3.956 ug/l

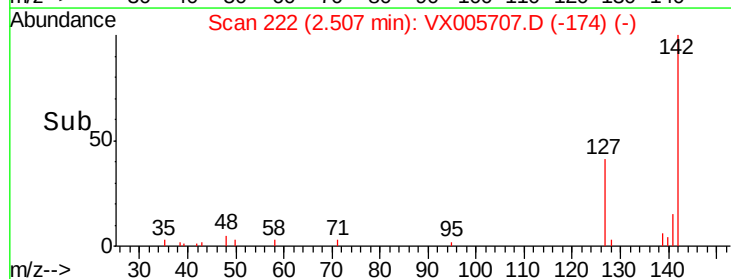
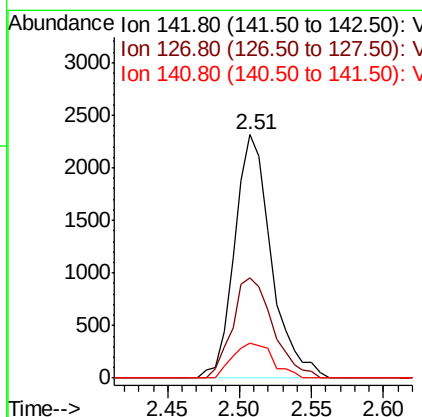
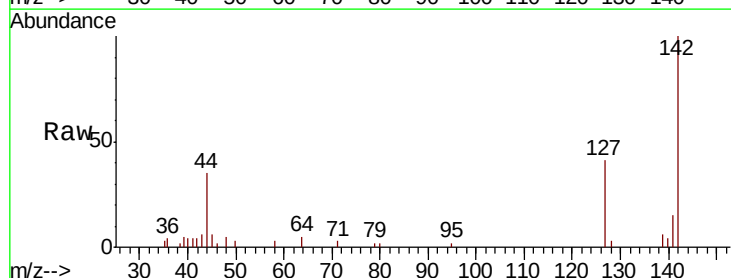
RT: 2.51 min Scan# 222

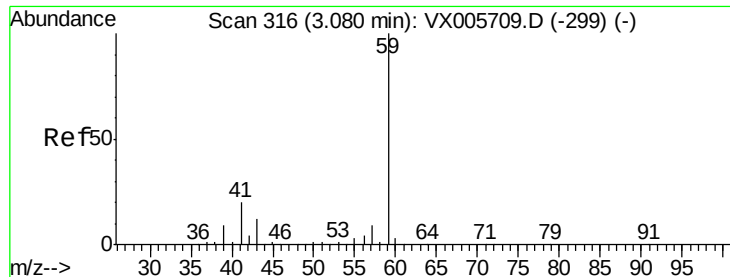
Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	142	Resp:	4110
Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.0	54.0
141	15.8	11.7	17.5





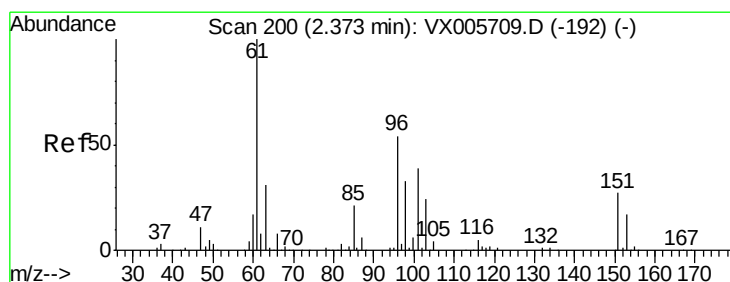
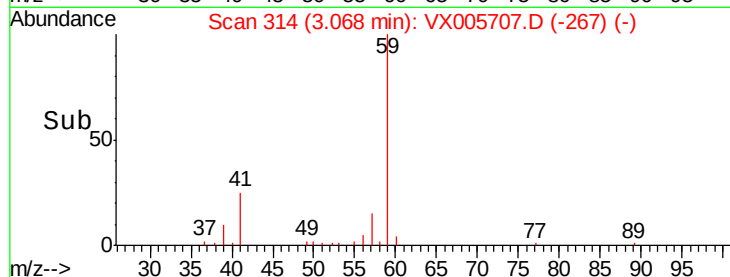
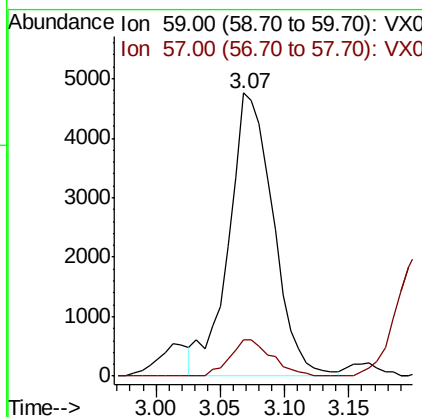
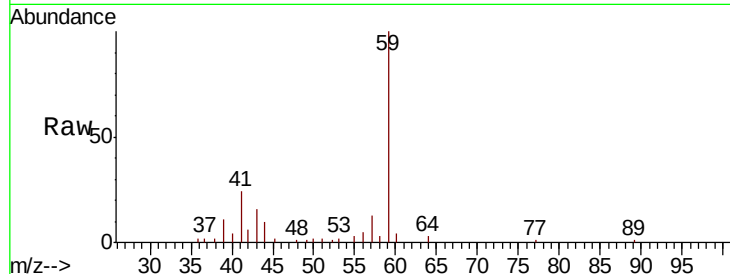
#11
Tert butyl alcohol
Concen: 31.166 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	59	57	Ratio	100	12.2	Resp	Lower	Upper
59	100					11422		
57		12.2				8.5	12.7	

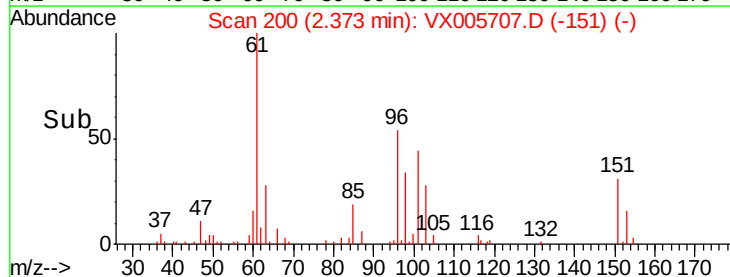
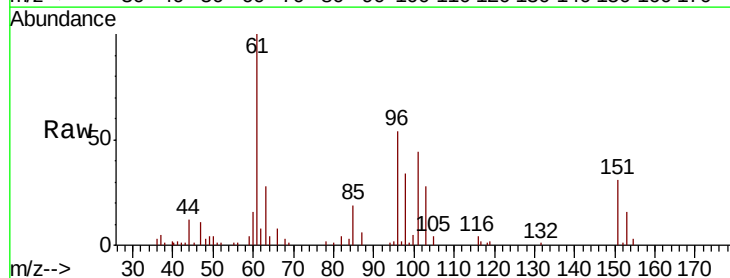
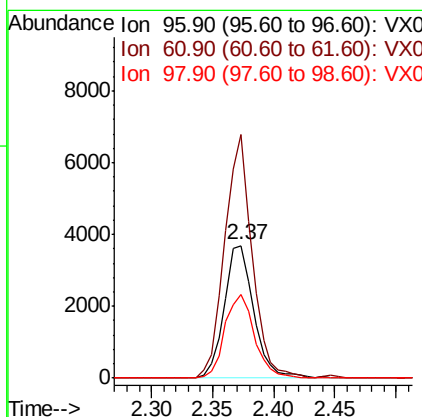
Manual Integrations
APPROVED

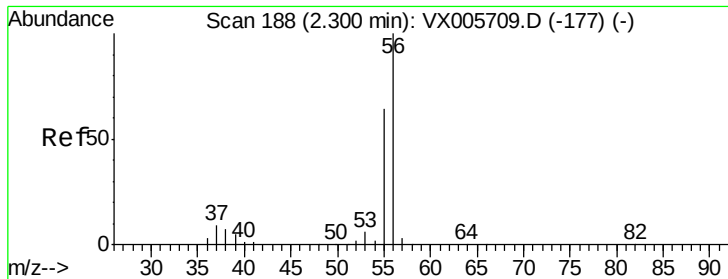
MMDadoda
11/1/2018 9:48:59 AM



#12
1,1-Dichloroethene
Concen: 5.894 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	96	61	98	Ratio	100	184.0	63.4	Resp	Lower	Upper
96	100							6173		
61		184.0				131.8		197.8		
98			63.4			53.4		80.2		





#13

Acrolein

Concen: 24.964 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4667

Ion Ratio Lower Upper

56 100

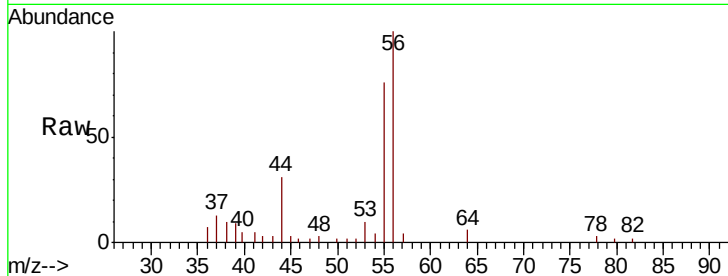
55 74.4 57.3 85.9

Manual Integrations

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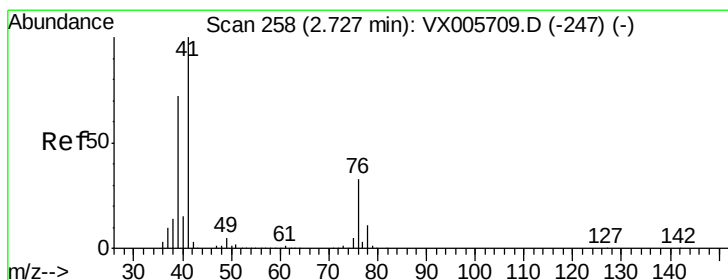
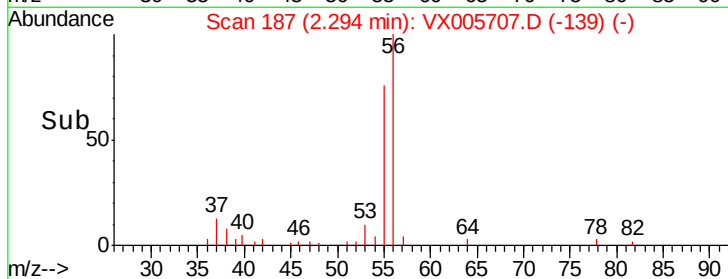
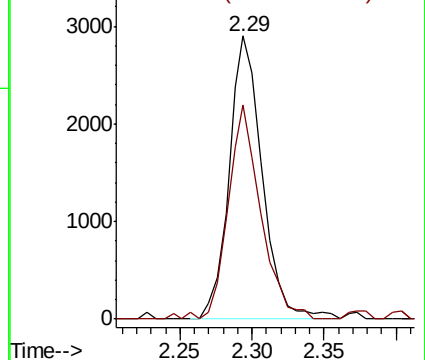
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.557 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

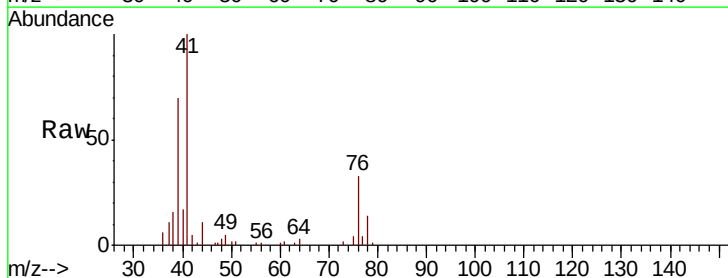
Tgt Ion: 41 Resp: 12988

Ion Ratio Lower Upper

41 100

39 64.5 48.2 72.4

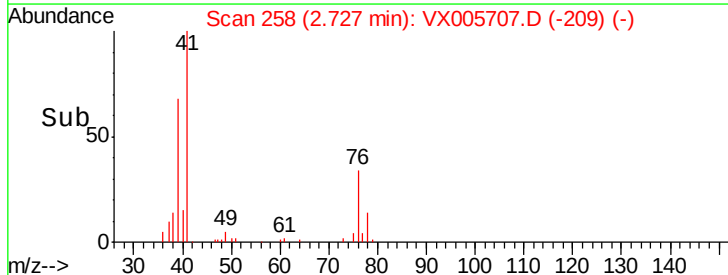
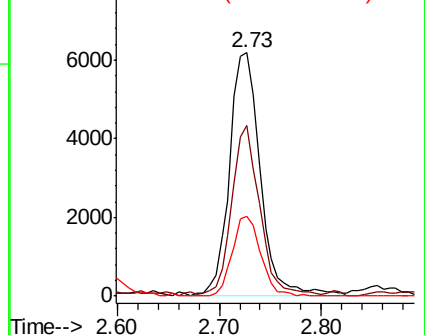
76 30.0 21.9 32.9

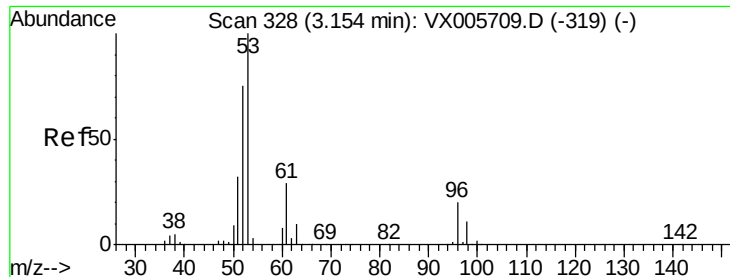


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 30.599 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

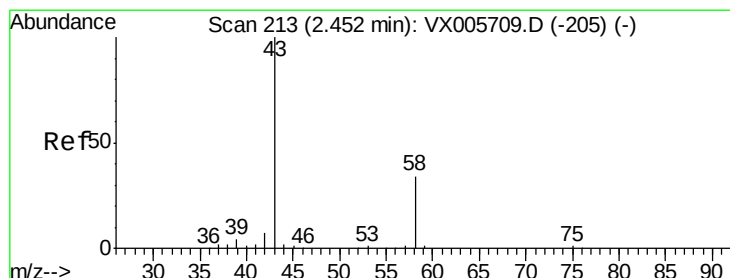
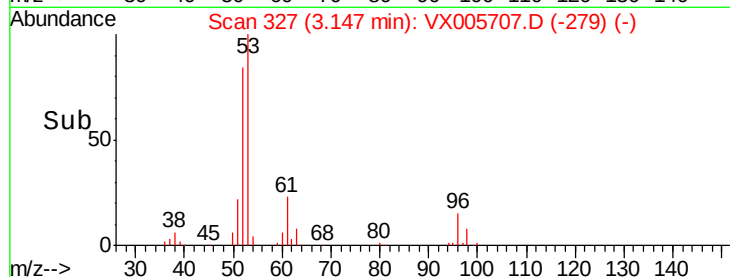
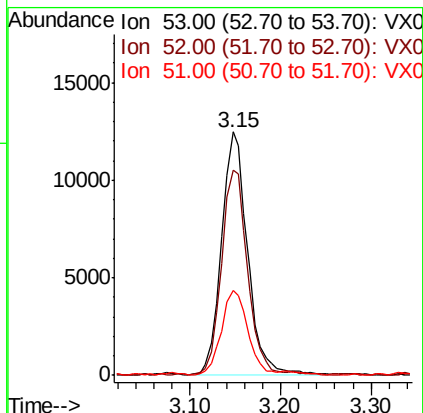
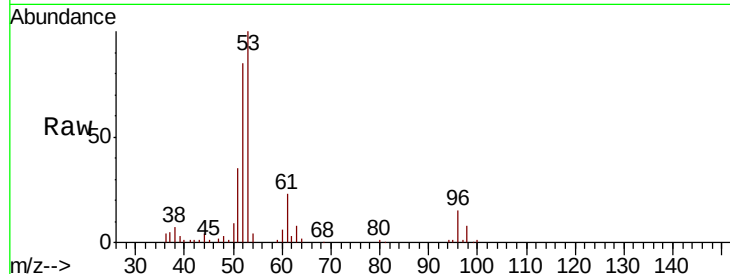
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	25147
Ion Ratio		Lower	Upper
53	100		
52	84.9	66.6	99.8
51	35.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 33.859 ug/l

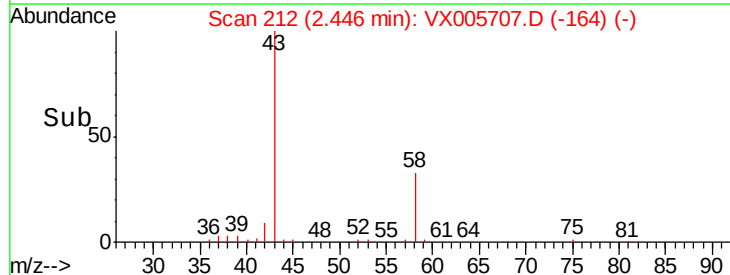
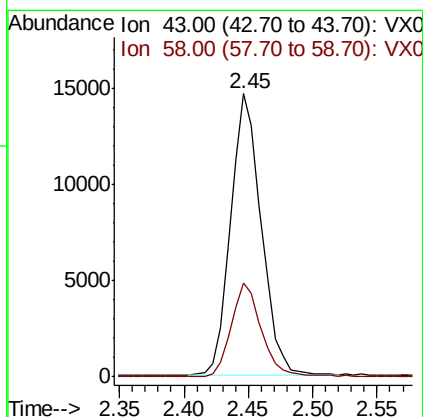
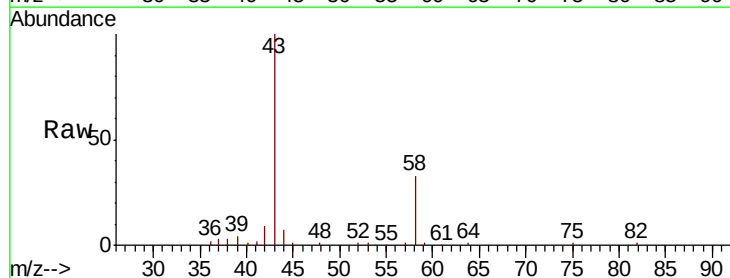
RT: 2.45 min Scan# 212

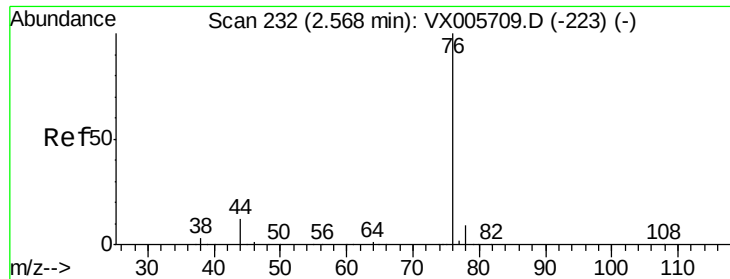
Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	43	Resp:	24367
Ion Ratio		Lower	Upper
43	100		
58	33.2	23.8	35.6





#17

Carbon Disulfide

Concen: 5.639 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 18004

Ion Ratio Lower Upper

76 100

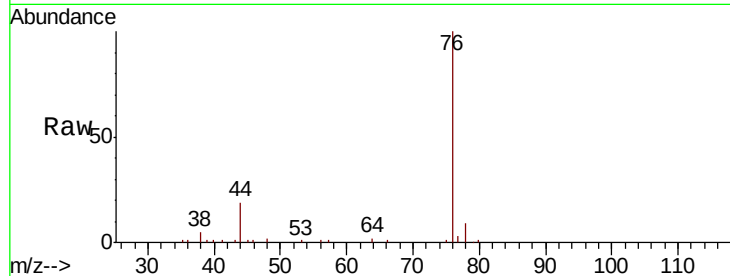
78 9.0 7.3 10.9

Manual Integrations

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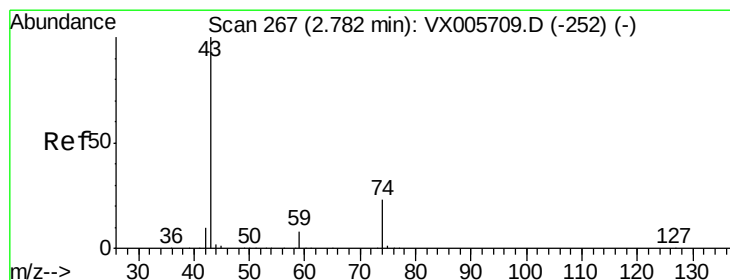
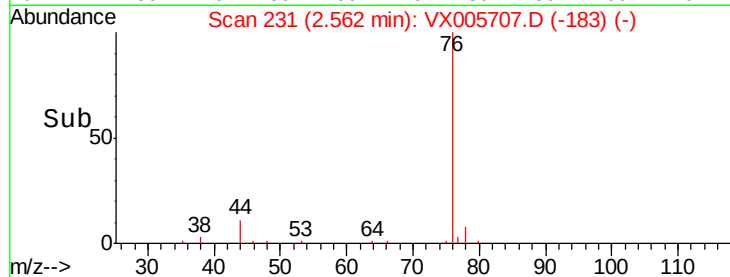
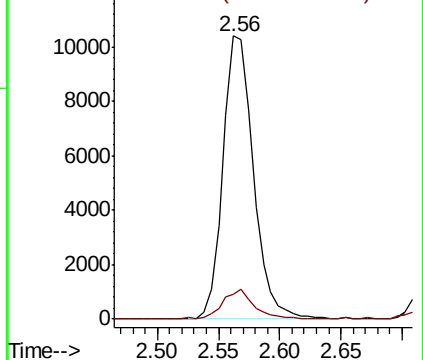
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 6.564 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005707.D

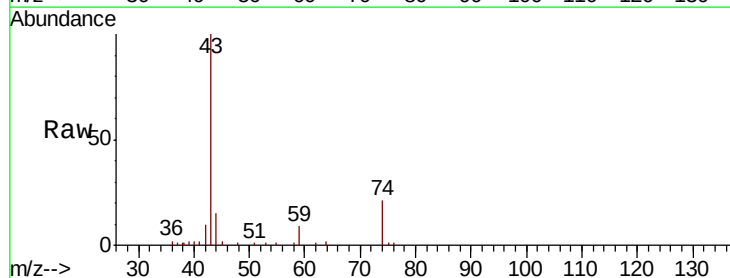
Acq: 31 Oct 2018 14:27

Tgt Ion: 43 Resp: 13234

Ion Ratio Lower Upper

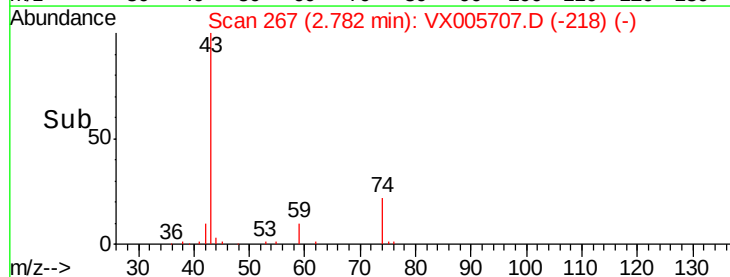
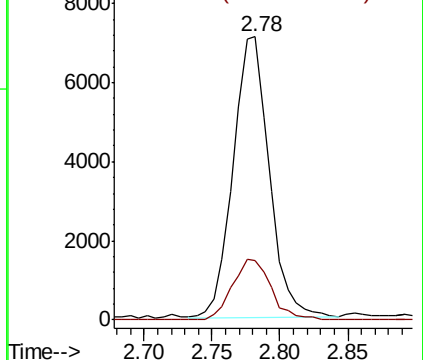
43 100

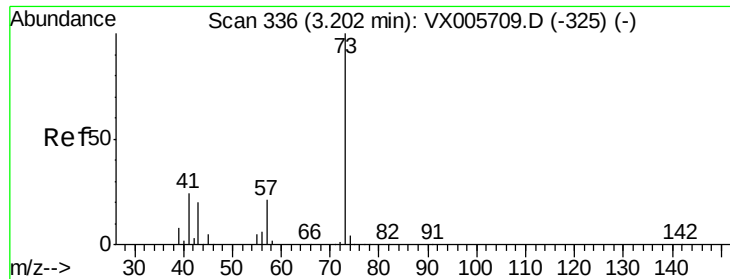
74 23.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





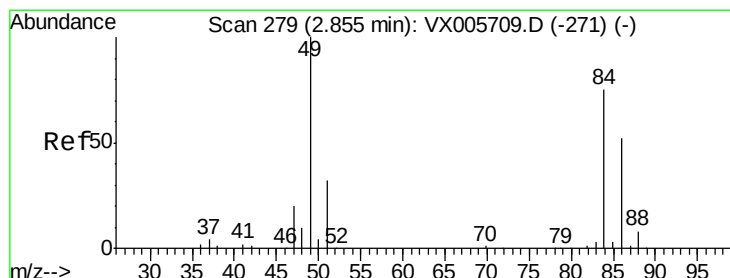
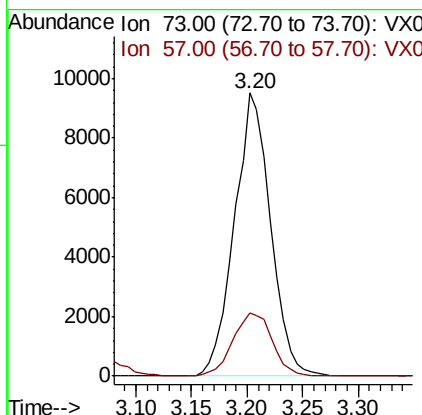
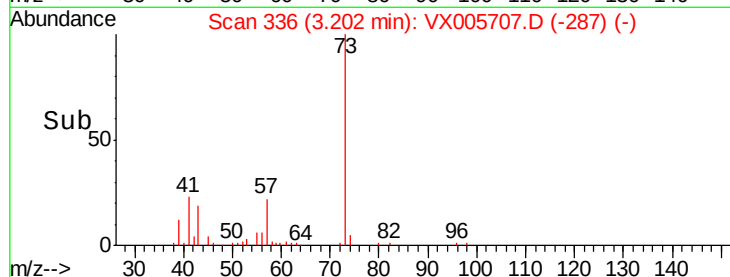
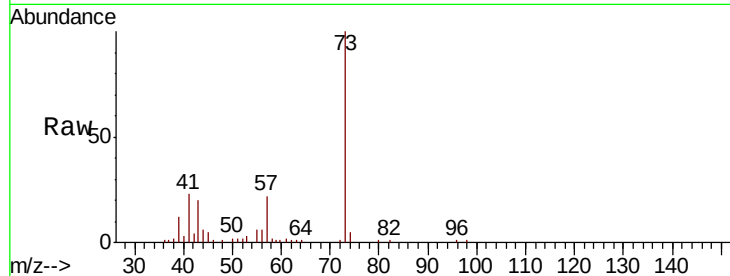
#19
Methyl tert-butyl Ether
Concen: 5.747 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 21470
Ion Ratio Lower Upper
73 100
57 22.2 18.8 28.2

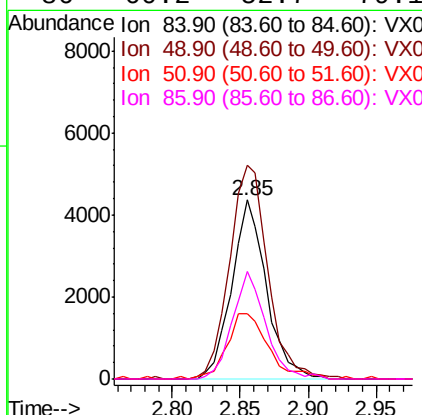
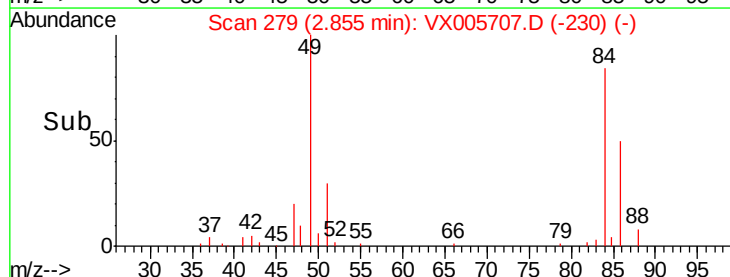
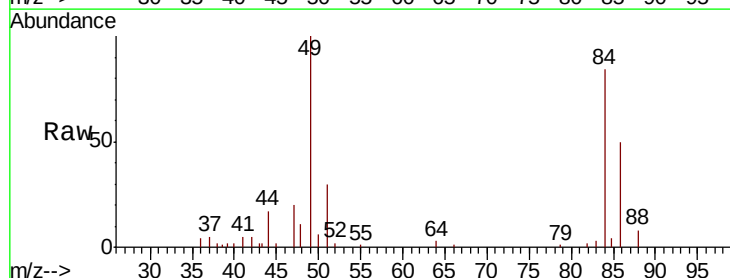
Manual Integrations
APPROVED

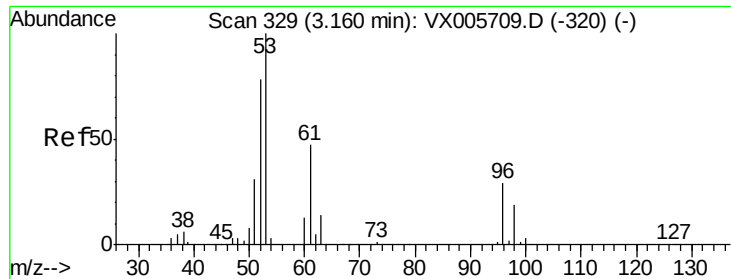
MMDadoda
11/1/2018 9:48:59 AM



#20
Methylene Chloride
Concen: 6.436 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion: 84 Resp: 7757
Ion Ratio Lower Upper
84 100
49 119.6 109.5 164.3
51 36.3 33.3 49.9
86 60.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 5.643 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

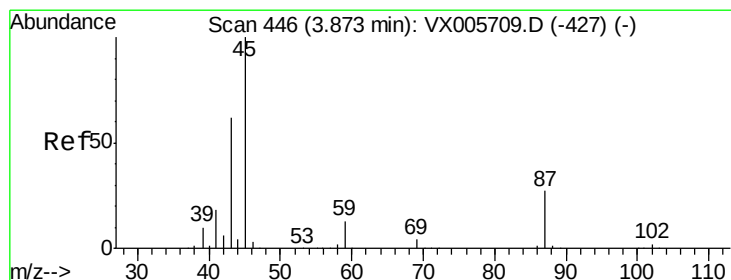
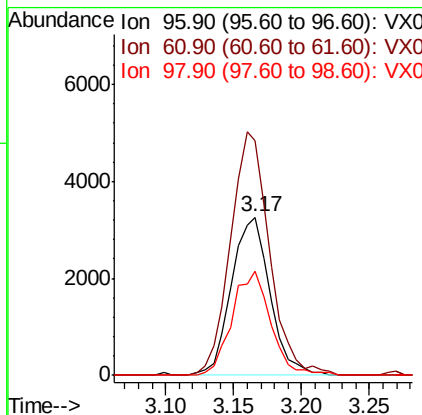
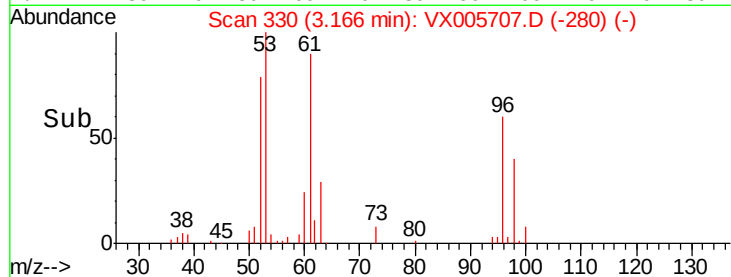
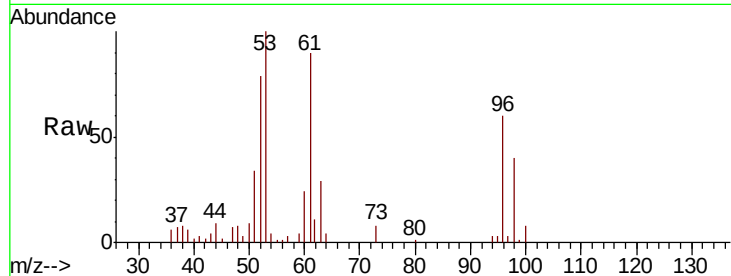
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	6453
Ion	Ratio	Lower	Upper
96	100		
61	148.7	115.6	173.4
98	65.7	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.485 ug/l

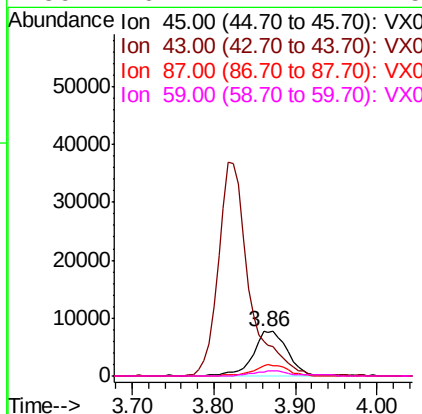
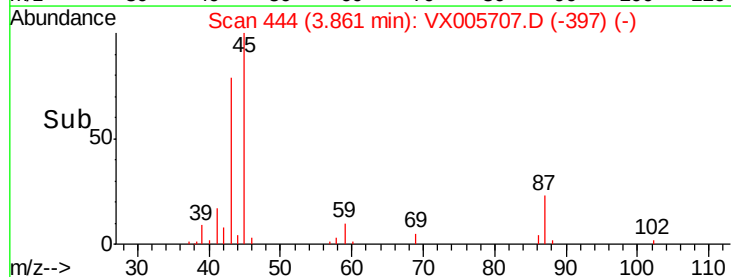
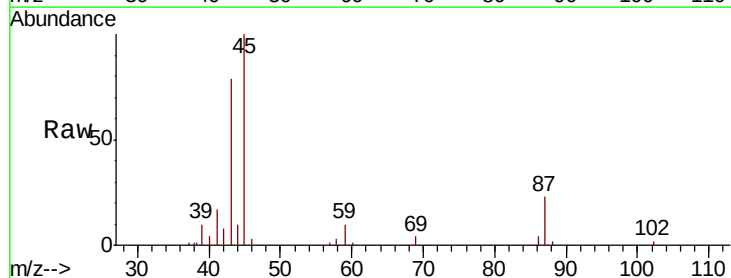
RT: 3.86 min Scan# 444

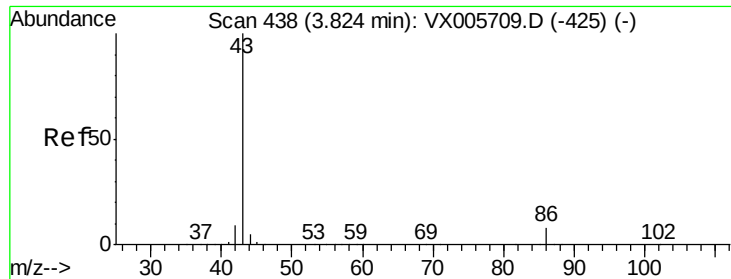
Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	45	Resp:	22388
Ion	Ratio	Lower	Upper
45	100		
43	77.7	47.4	71.2#
87	23.1	15.9	23.9
59	10.1	7.7	11.5





#23

Vinyl Acetate

Concen: 27.044 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 97219

Ion Ratio Lower Upper

43 100

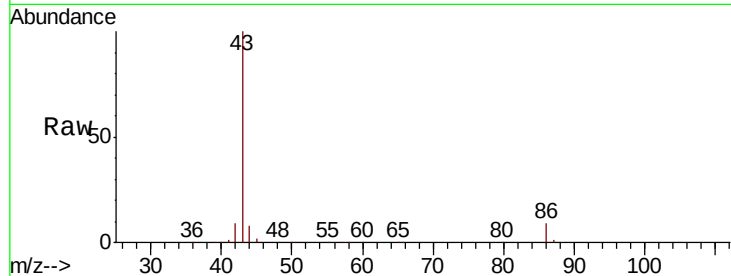
86 9.3 7.4 11.2

Manual Integrations

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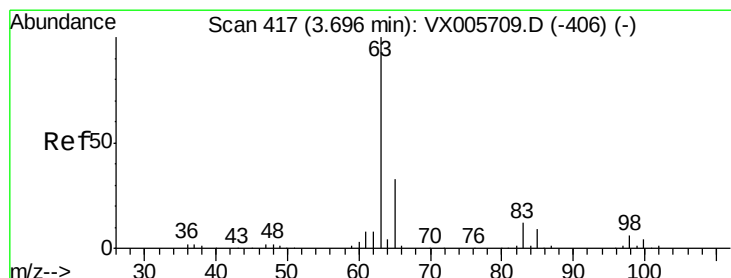
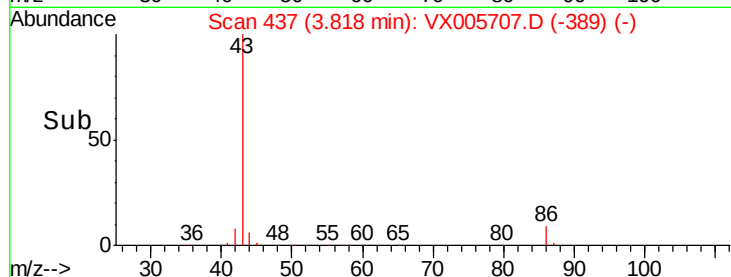
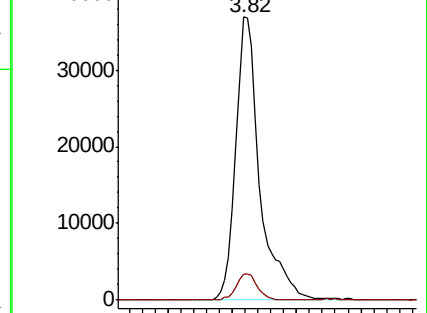
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 6.299 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

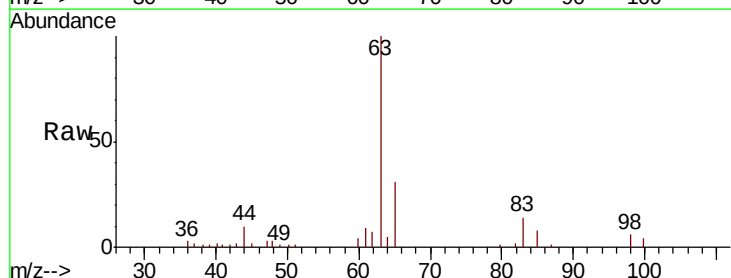
Tgt Ion: 63 Resp: 13978

Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

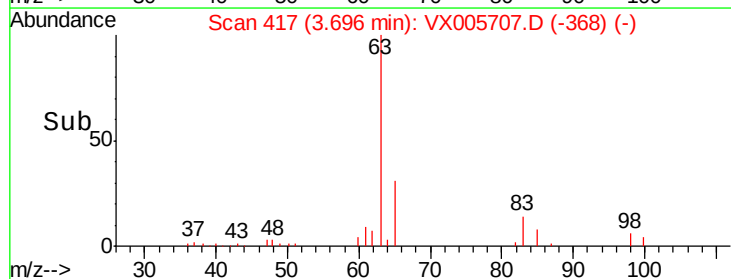
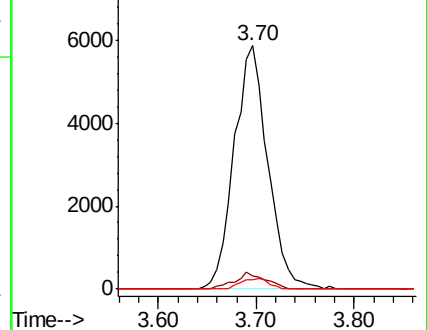
100 3.7 2.1 6.2

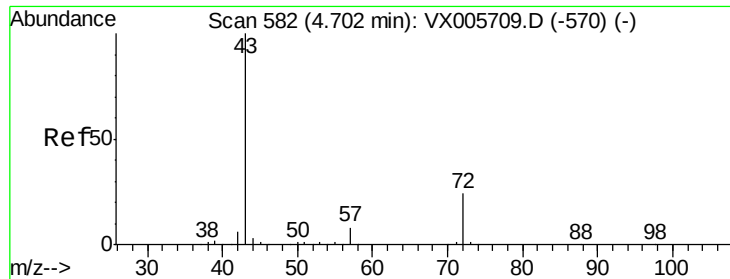


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 31.425 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 34439

Ion Ratio Lower Upper

43 100

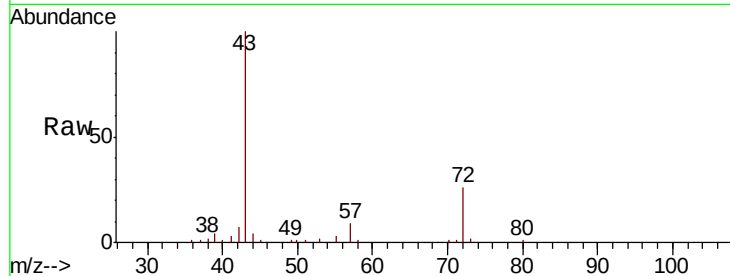
72 26.4 19.2 28.8

Manual Integrations

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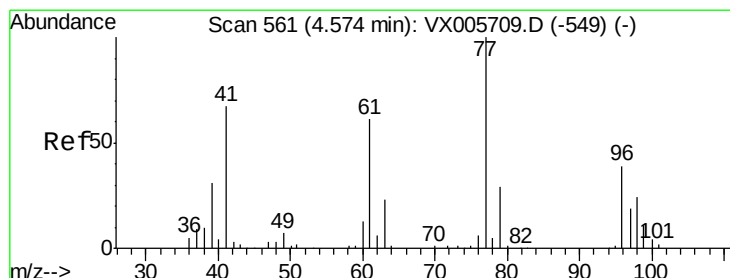
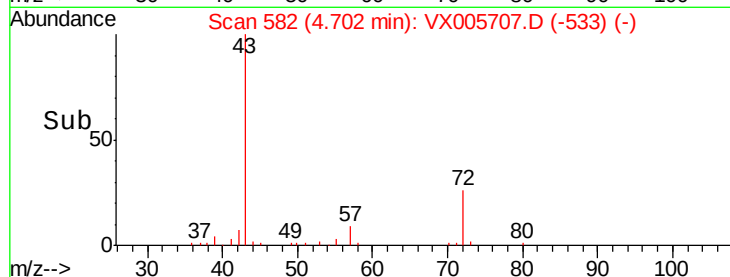
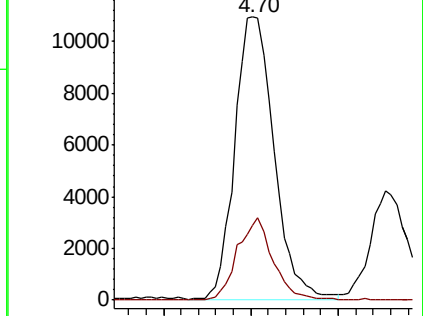
MMDadoda

11/1/2018 9:48:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.940 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005707.D

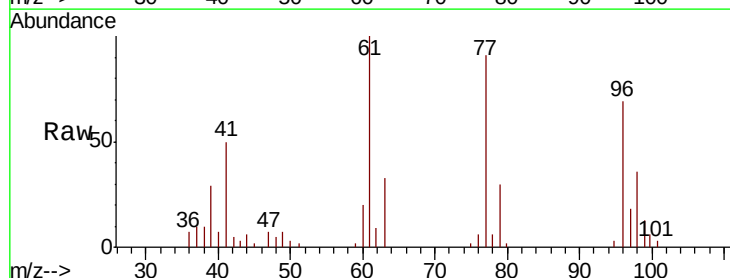
Acq: 31 Oct 2018 14:27

Tgt Ion: 77 Resp: 10177

Ion Ratio Lower Upper

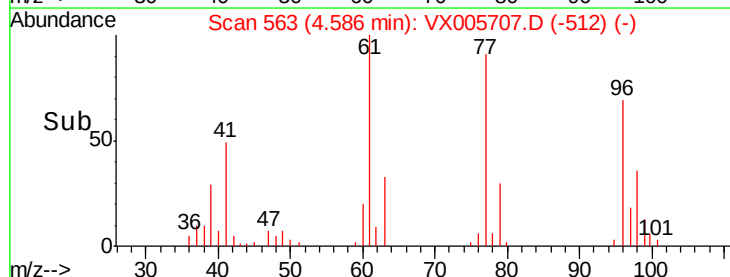
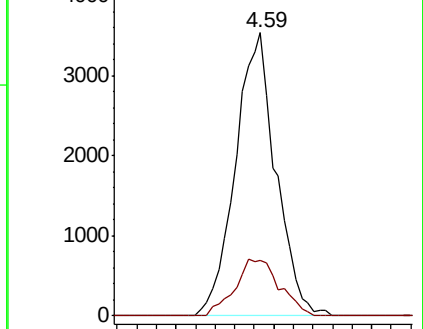
77 100

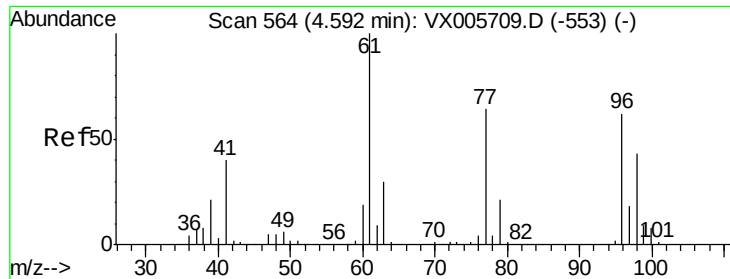
97 22.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

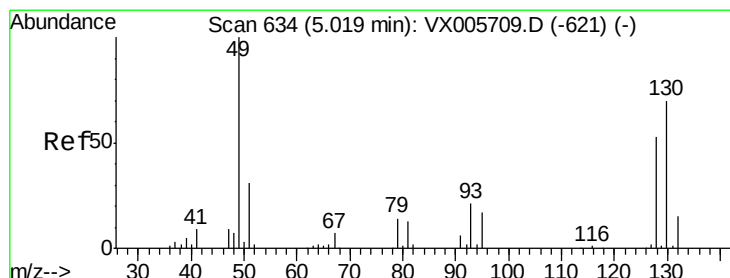
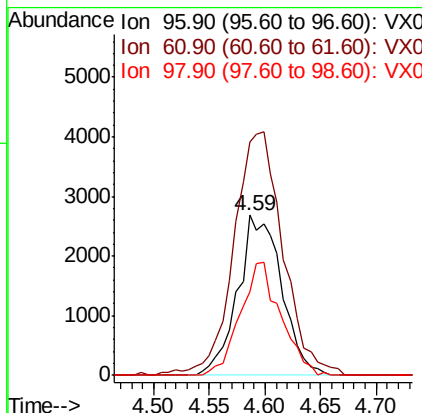
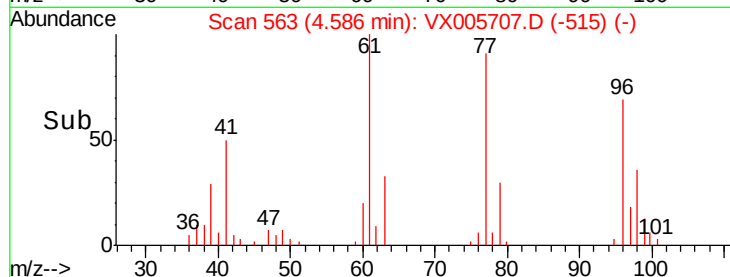
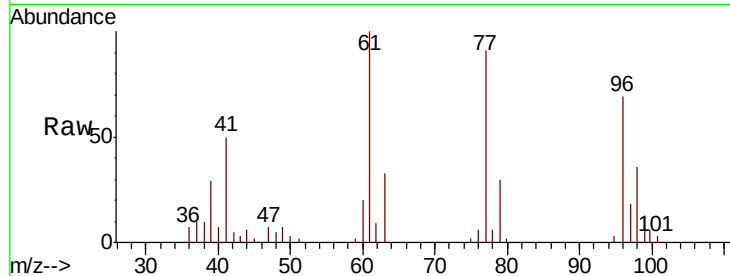
cis-1,2-Dichloroethene
Concen: 5.957 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.6	0.0	304.6
98	65.1	0.0	127.4

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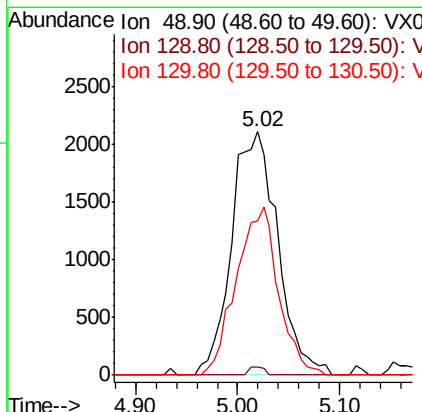
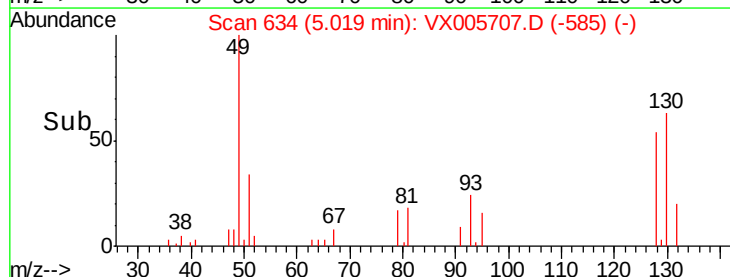
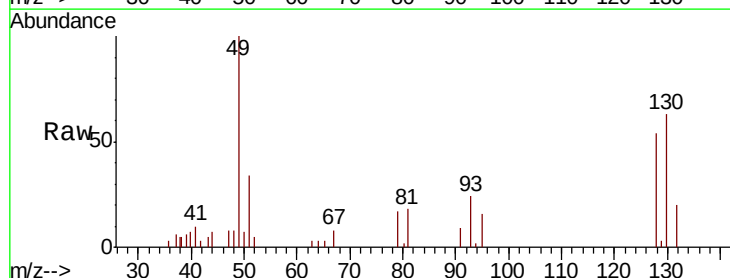
MMDadoda
11/1/2018 9:48:59 AM

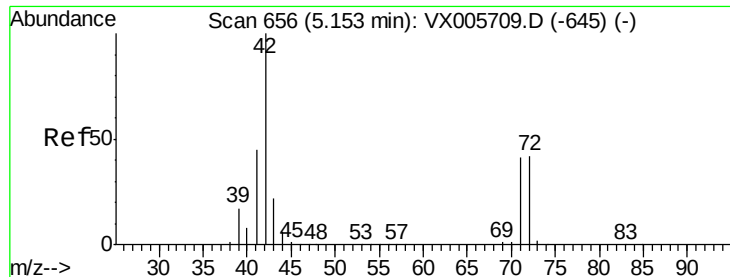


#28

Bromochloromethane
Concen: 6.141 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	63.5	58.9	88.3





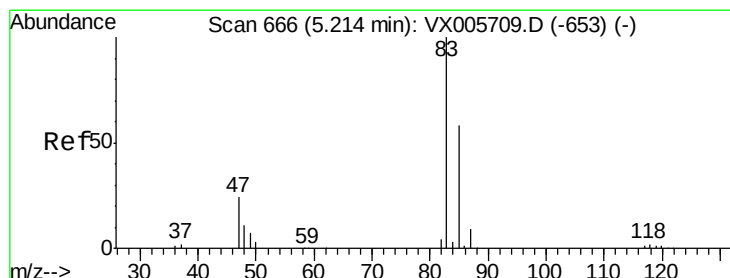
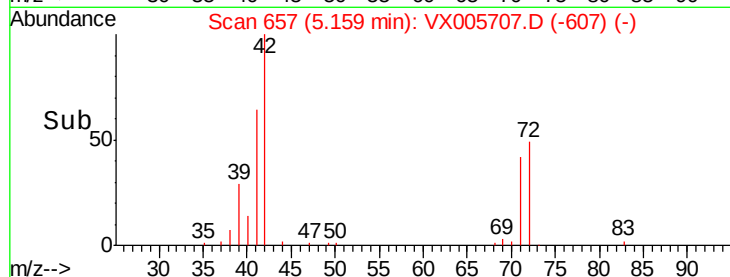
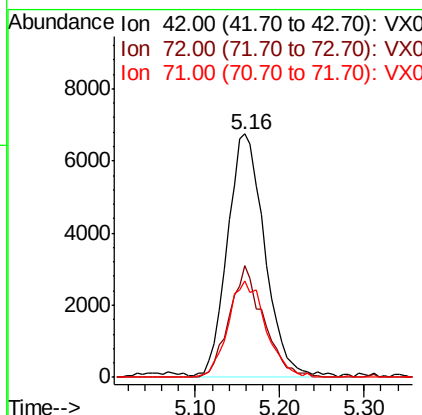
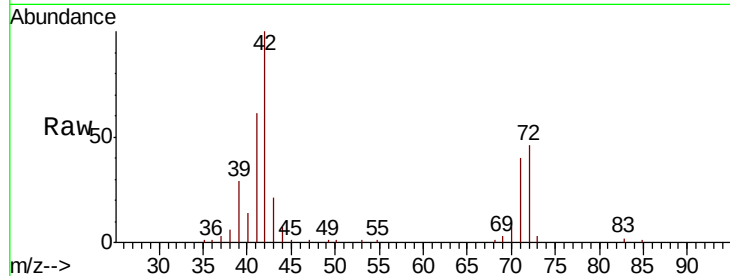
#29
Tetrahydrofuran
Concen: 28.600 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	20397
Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.0	48.0
71	39.8	29.8	44.8

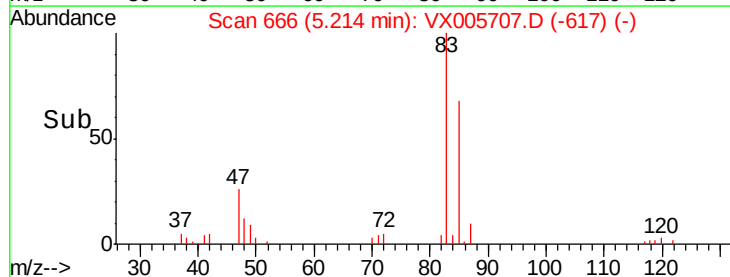
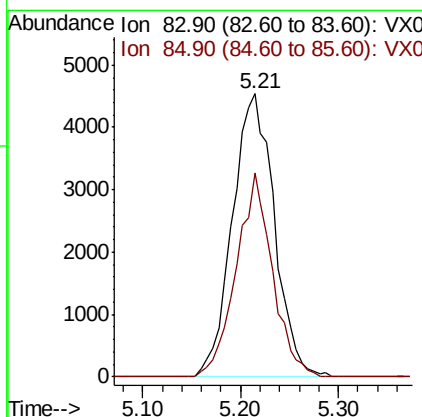
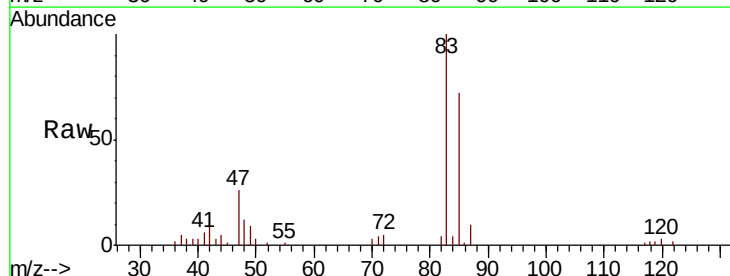
Manual Integrations
APPROVED

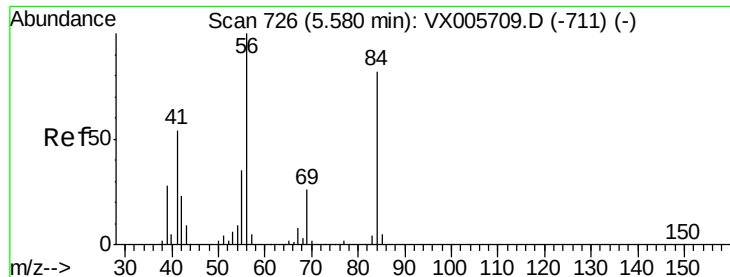
MMDadoda
11/1/2018 9:48:59 AM



#30
Chloroform
Concen: 6.489 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion:	83	Resp:	13471
Ion	Ratio	Lower	Upper
83	100		
85	72.2	50.6	76.0





#31

Cyclohexane

Concen: 5.821 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

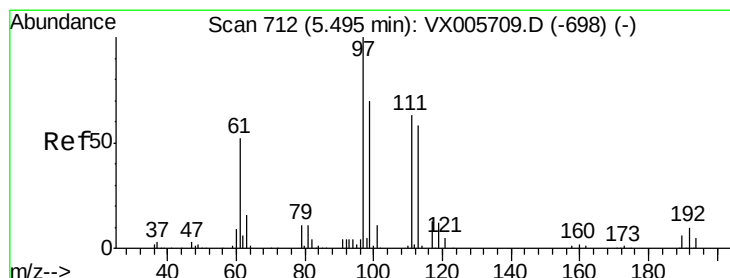
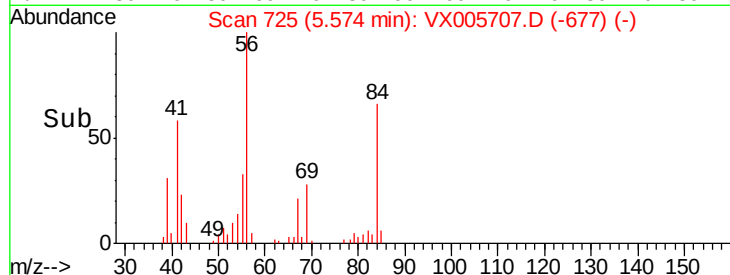
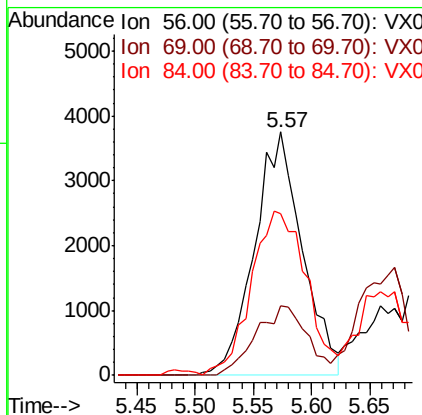
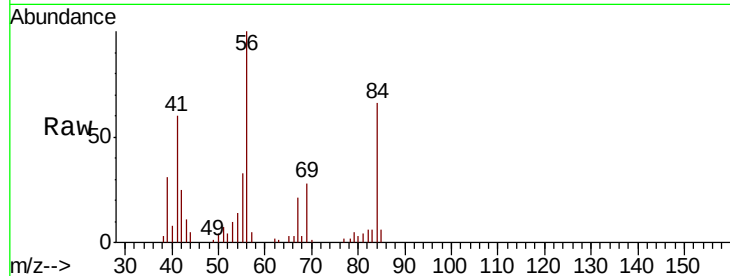
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	10689
Ion Ratio	Lower	Upper	
56	100		
69	28.4	22.6	34.0
84	64.6	62.7	94.1

Manual Integrations
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11/1/2018 9:48:59 AM



#32

1,1,1-Trichloroethane

Concen: 5.625 ug/l

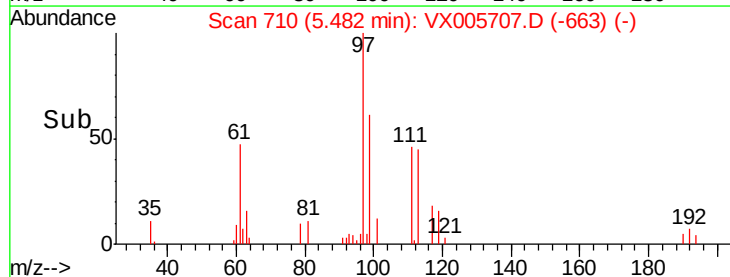
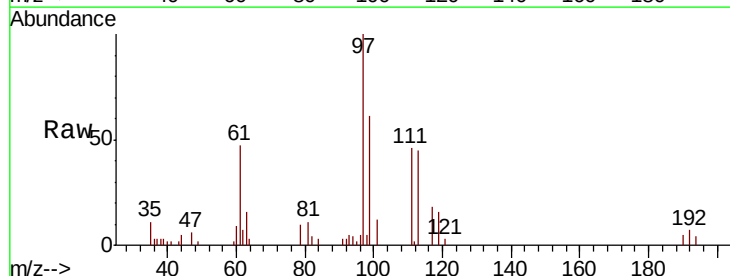
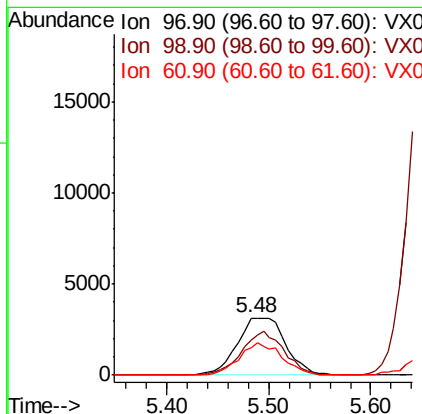
RT: 5.48 min Scan# 710

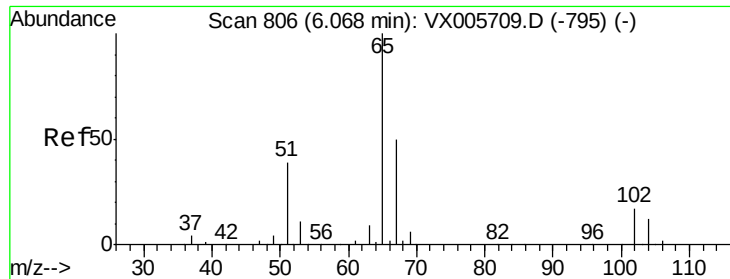
Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	97	Resp:	10305
Ion Ratio	Lower	Upper	
97	100		
99	67.0	52.3	78.5
61	50.1	35.2	52.8





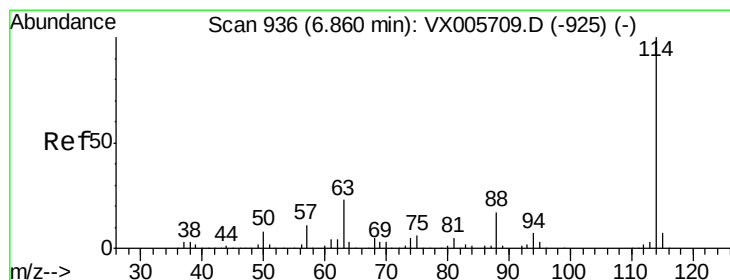
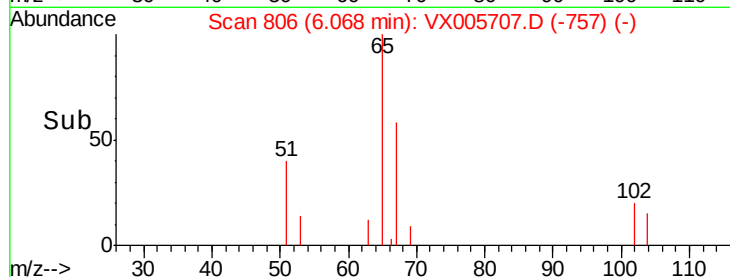
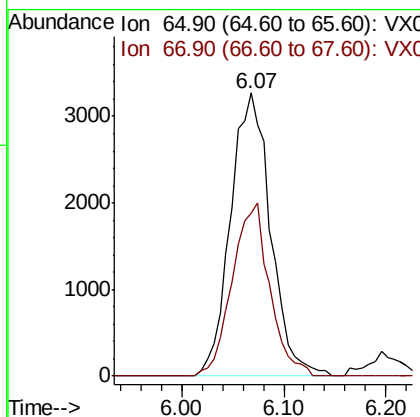
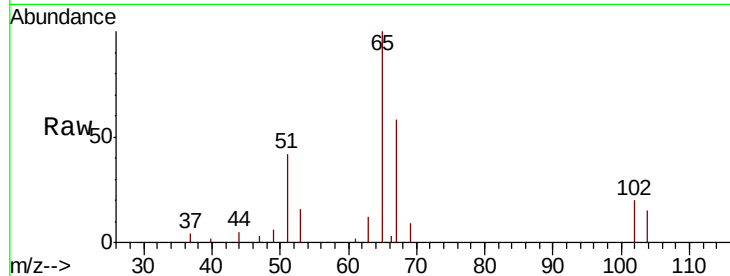
#33
 1,2-Dichloroethane-d4
 Concen: 6.526 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.3	0.0	105.0

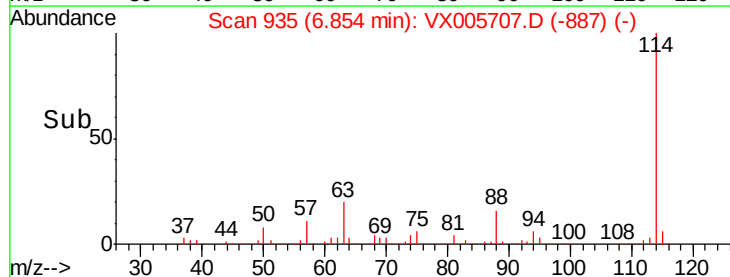
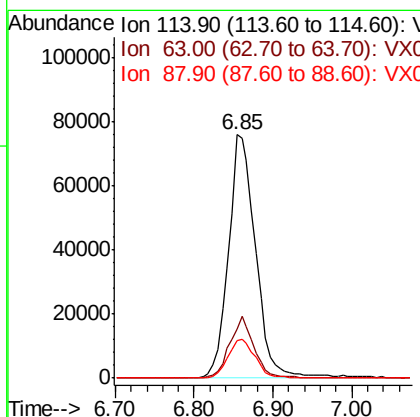
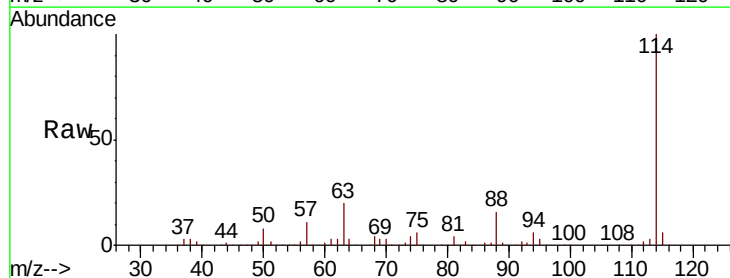
Manual Integrations
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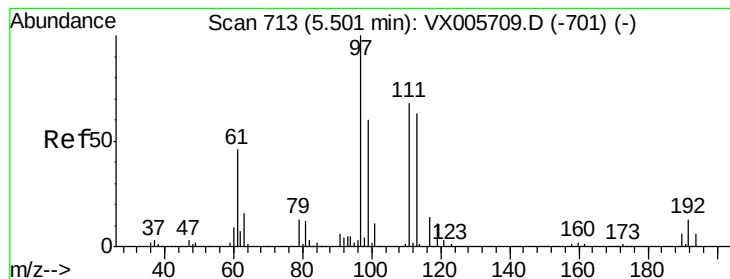
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 11/1/2018 9:48:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.8
88	15.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 5.423 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

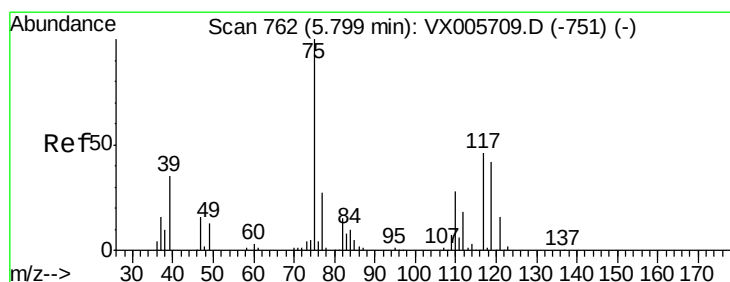
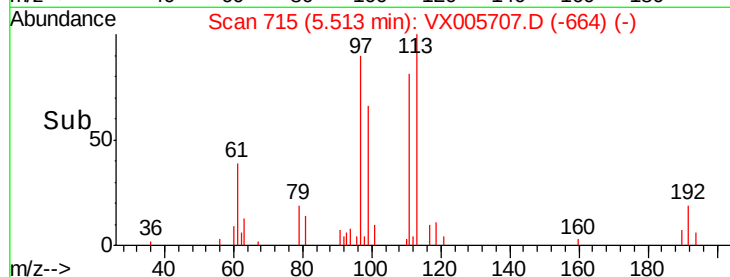
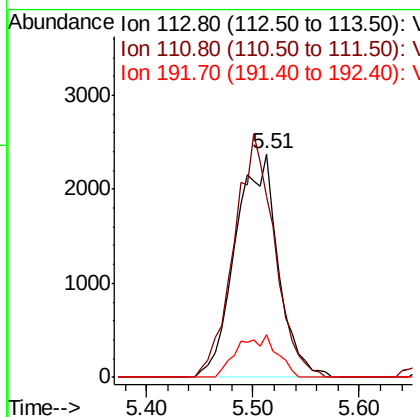
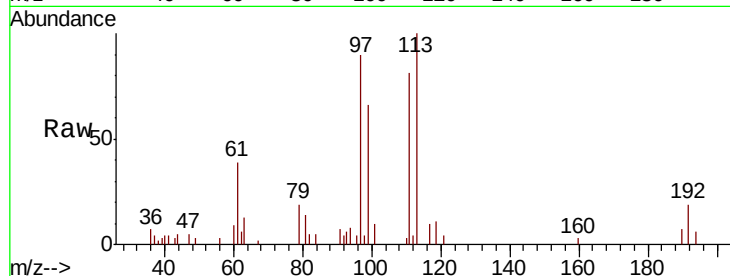
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	6680
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.3	123.5
192	17.5	17.9	26.9#

Manual Integrations
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MMDadoda
11/1/2018 9:48:59 AM



#36

1,1-Dichloropropene

Concen: 5.476 ug/l

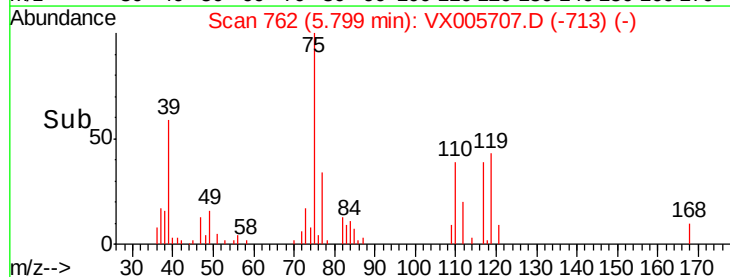
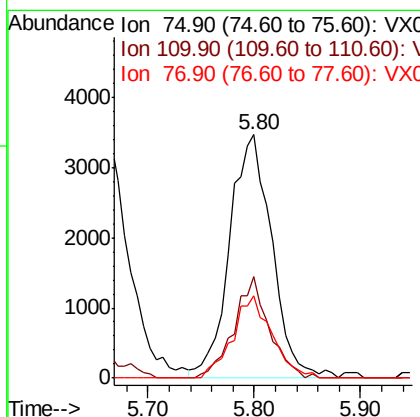
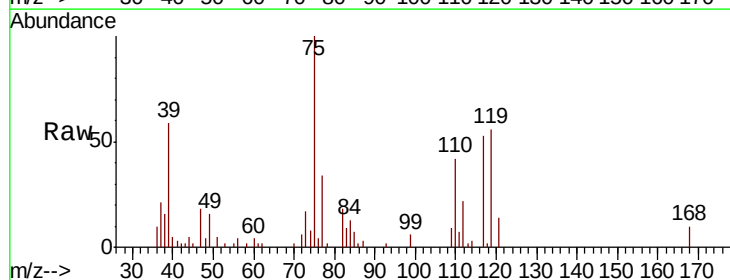
RT: 5.80 min Scan# 762

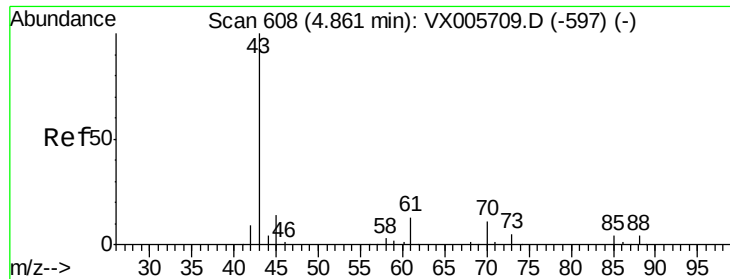
Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	75	Resp:	9668
Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	31.2	25.8	38.6





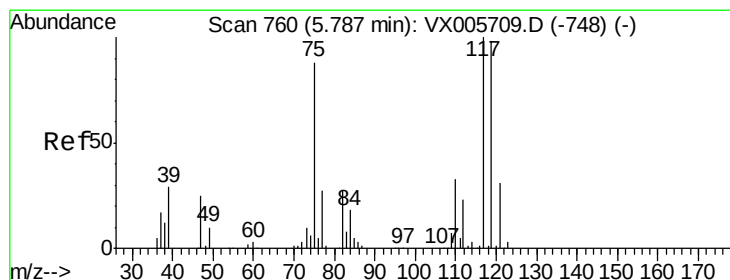
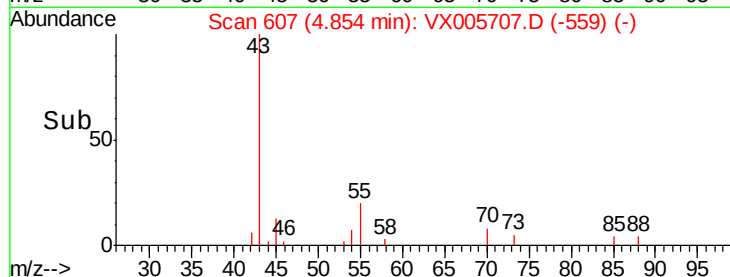
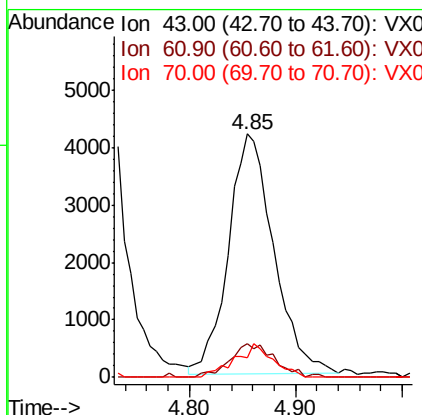
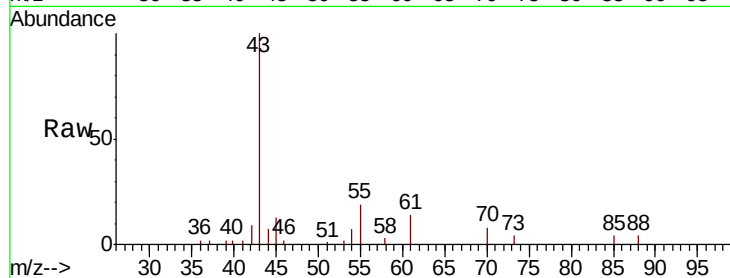
#37
Ethyl Acetate
Concen: 5.515 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	12423
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	11.6	7.8	11.8

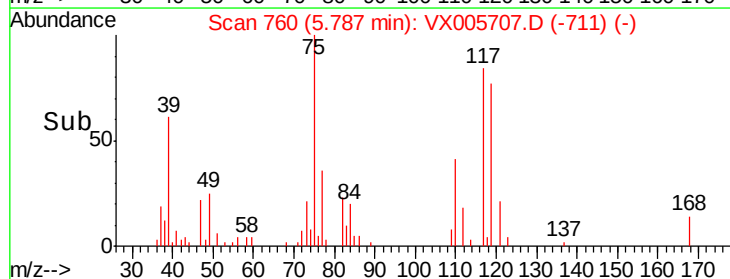
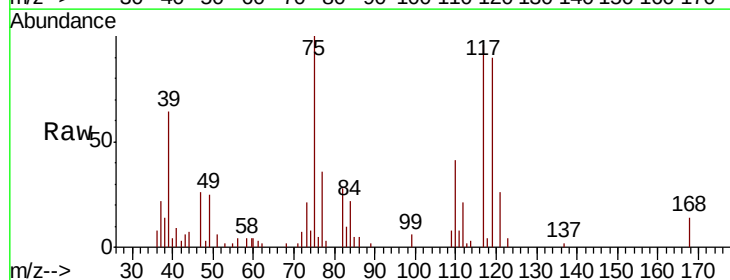
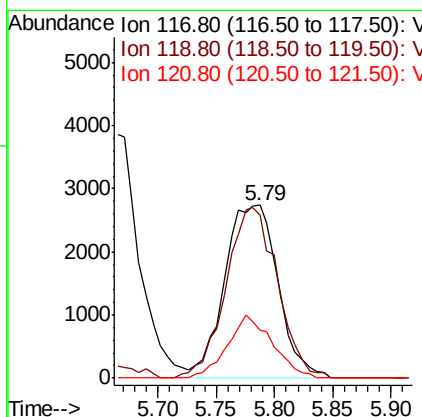
Manual Integrations
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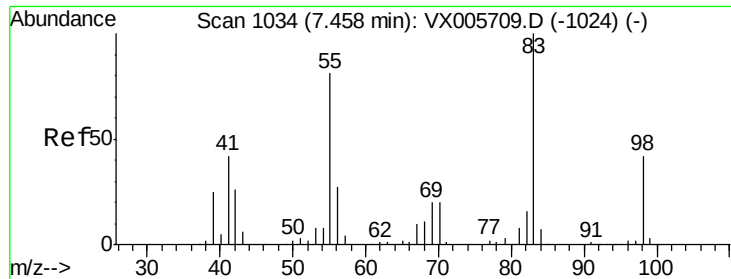
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#38
Carbon Tetrachloride
Concen: 4.708 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion:	117	Resp:	8753
Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.1	117.1
121	27.4	24.6	36.8





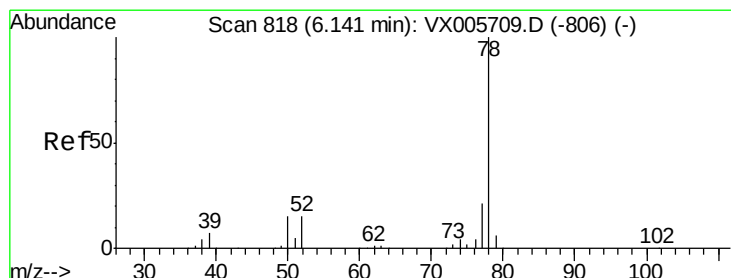
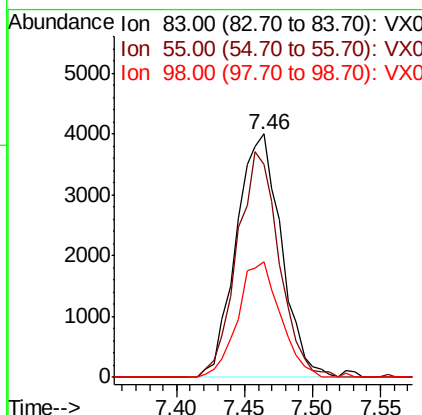
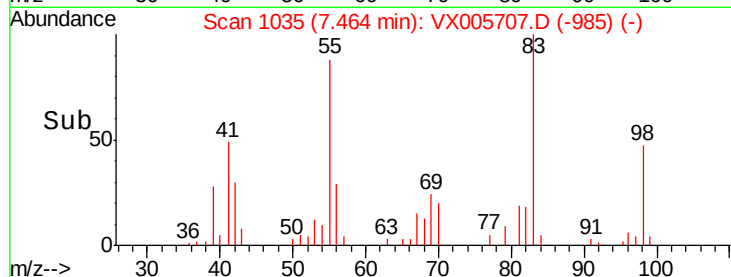
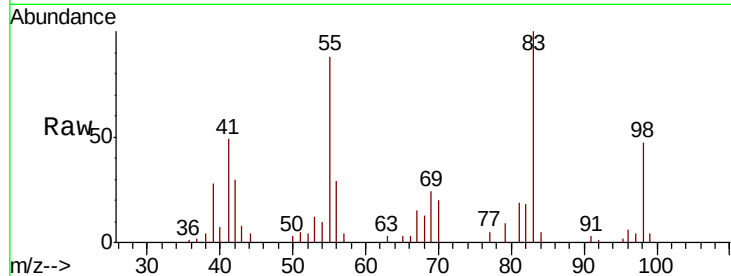
#39
Methylvlcyclohexane
Concen: 4.734 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	9229
Ion	Ratio	Lower	Upper
83	100		
55	87.6	63.7	95.5
98	47.4	36.2	54.2

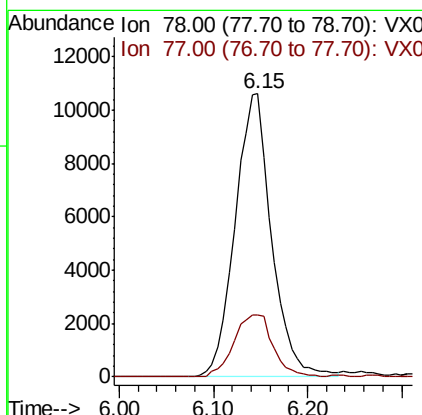
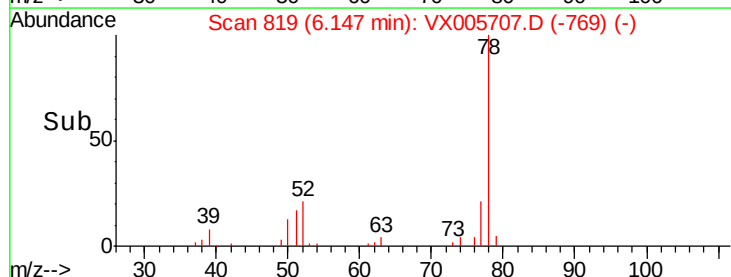
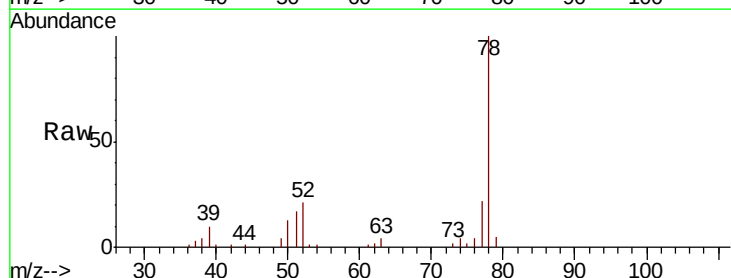
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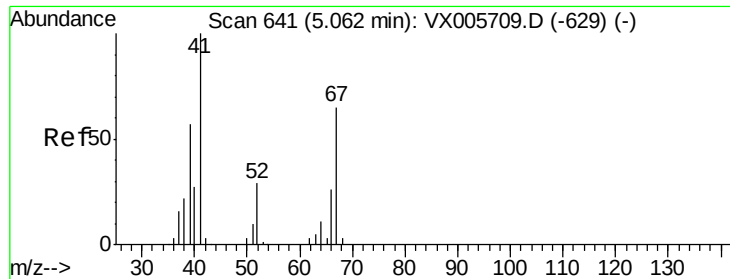
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#40
Benzene
Concen: 5.671 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	78	Resp	28701
Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.4	27.6





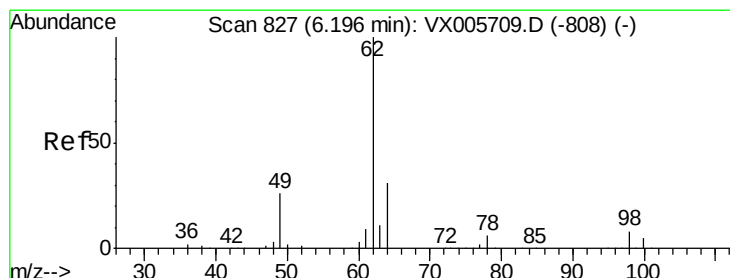
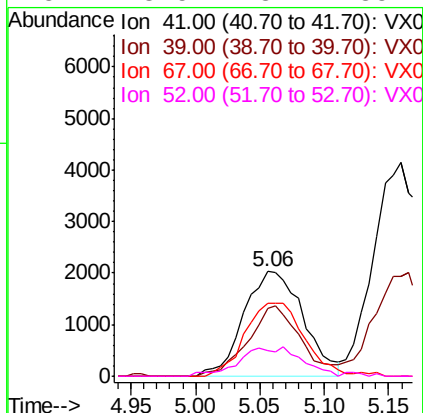
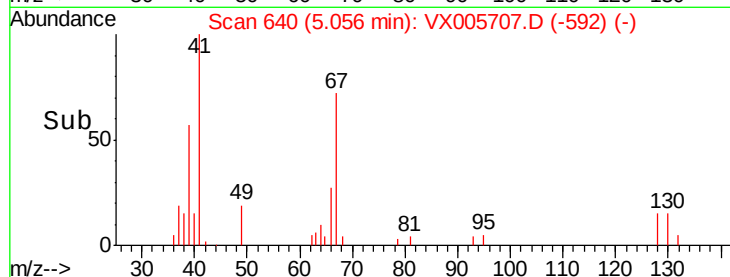
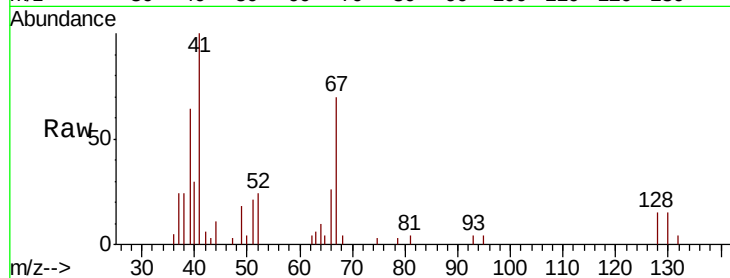
#41
Methacrylonitrile
Concen: 5.193 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.5	42.2	63.2	
67	69.2	53.4	80.0	
52	28.5	23.4	35.2	

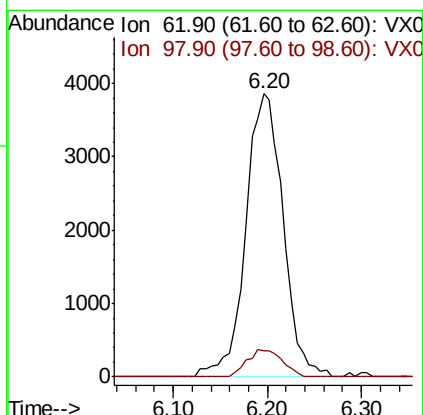
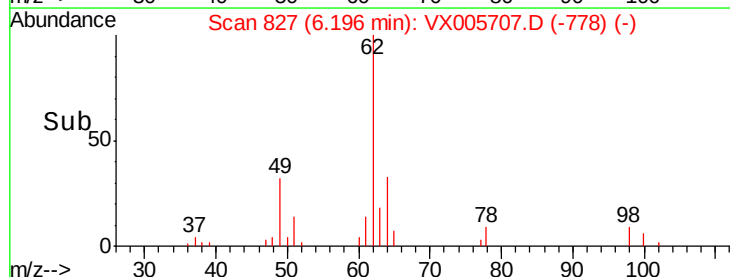
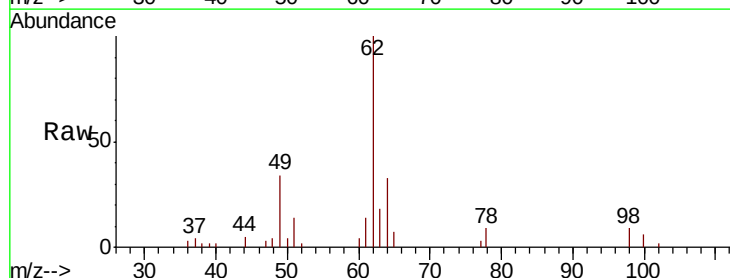
Manual Integrations
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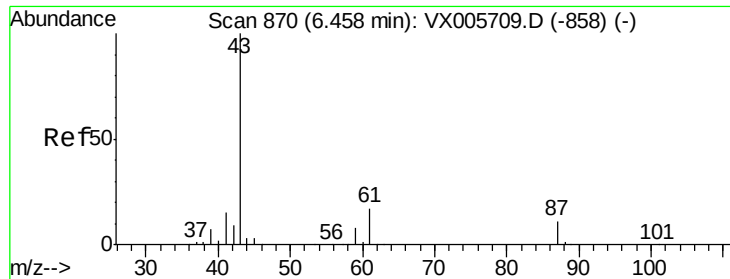
MMDadoda
11/1/2018 9:48:59 AM



#42
1,2-Dichloroethane
Concen: 5.588 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

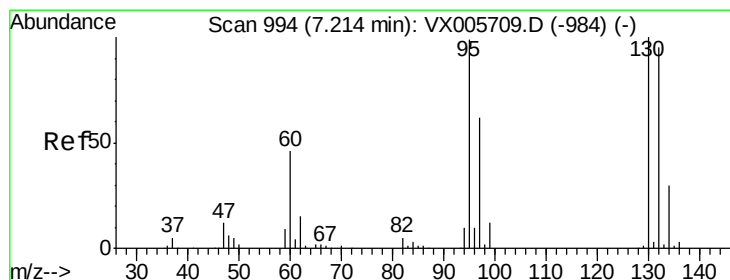
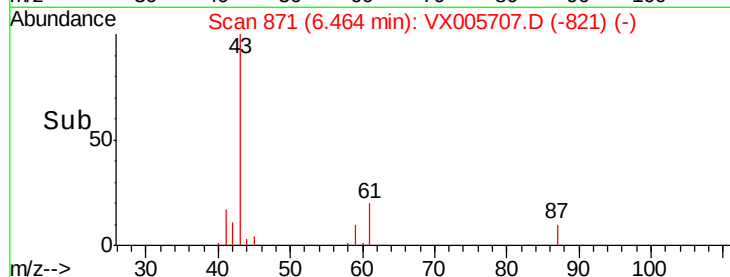
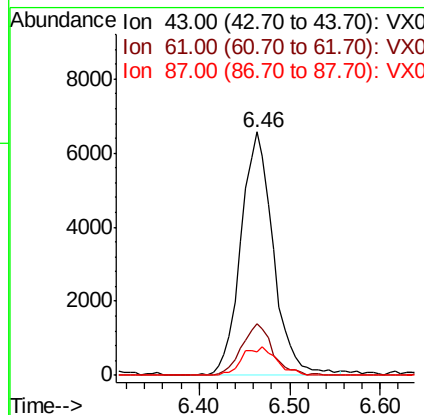
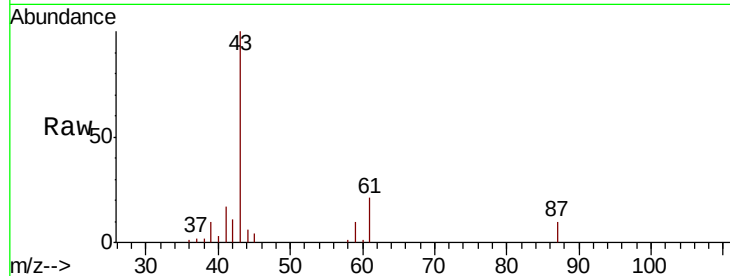
Isopropyl Acetate
 Concen: 4.838 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	43	Resp:	16333
Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.6	22.0
87	12.3	9.6	14.4

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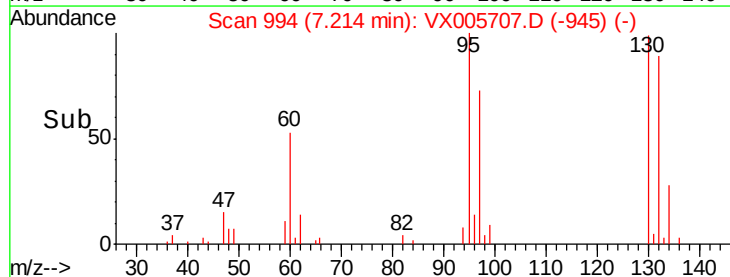
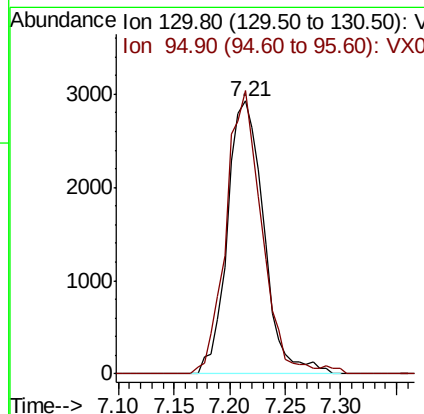
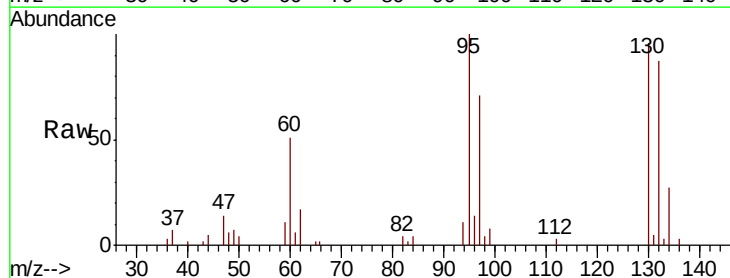
MMDadoda
 11/1/2018 9:48:59 AM

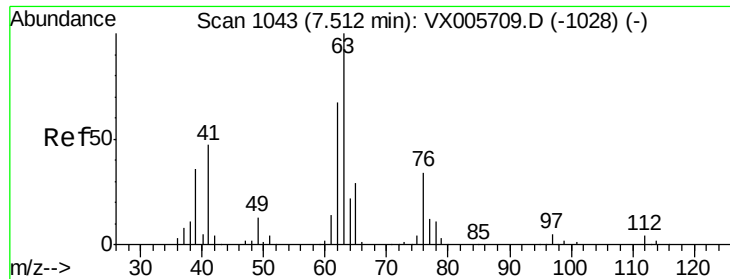


#44

Trichloroethene
 Concen: 4.825 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion:	130	Resp:	6652
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	194.2





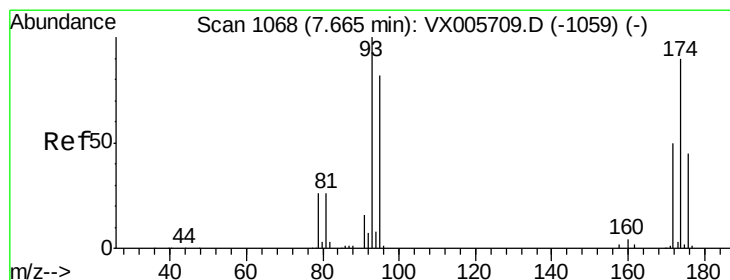
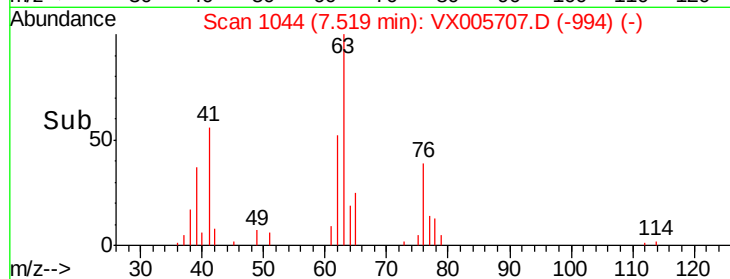
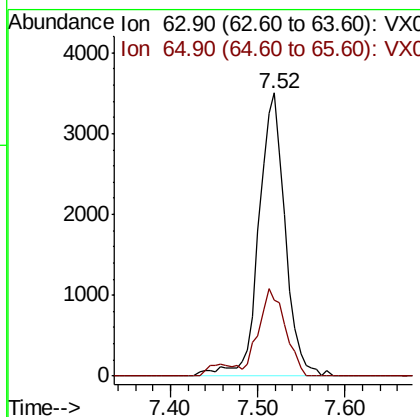
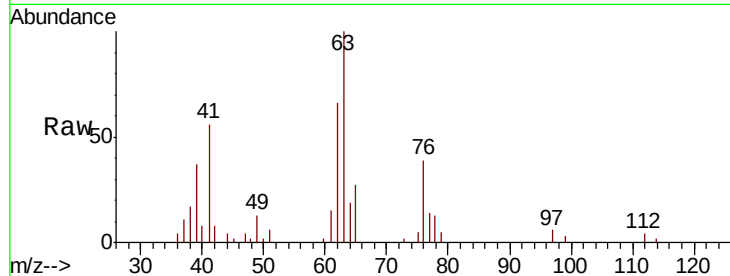
#45
 1,2-Dichloropropane
 Concen: 5.425 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.8	24.8	37.2

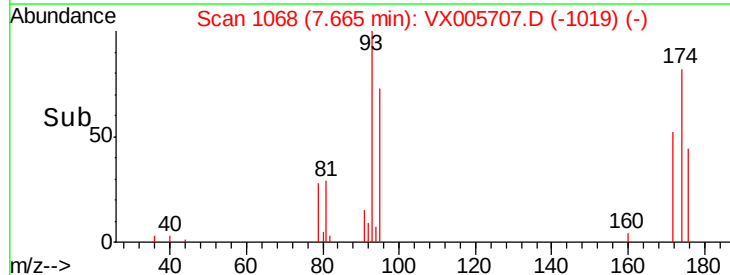
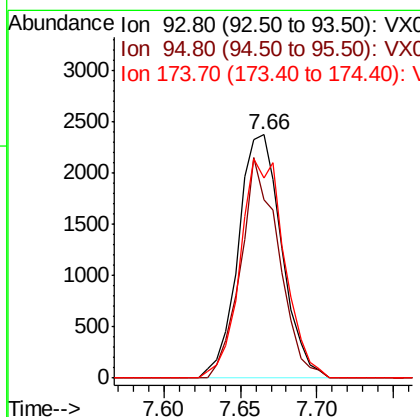
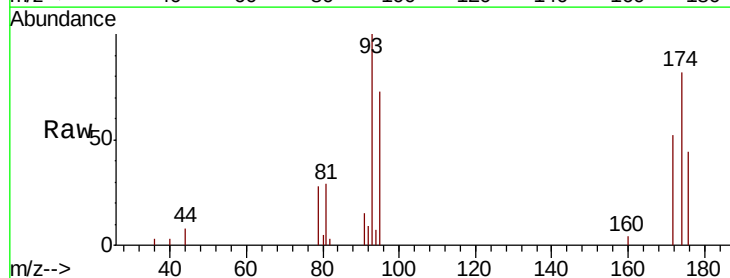
Manual Integrations
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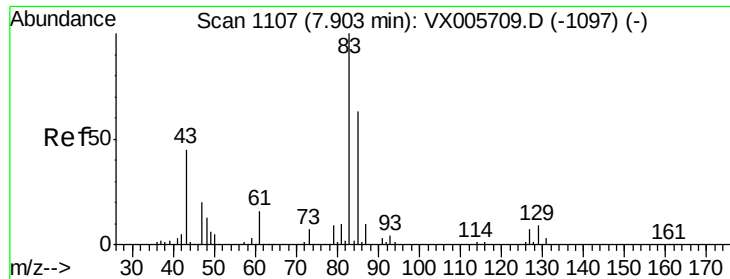
MMDadoda
 11/1/2018 9:48:59 AM



#46
 Dibromomethane
 Concen: 5.347 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.0	67.4	101.0
174	91.4	91.5	137.3#





#47

Bromodichloromethane

Concen: 5.063 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

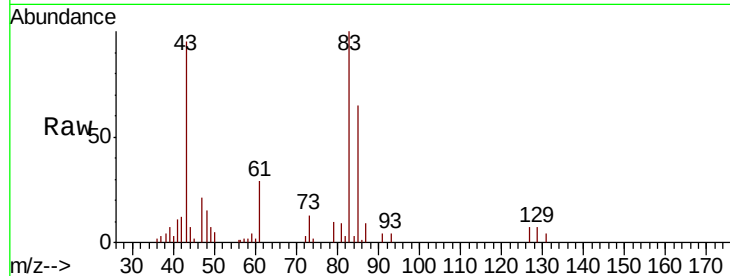
ClientSampleId :

VSTDIC005

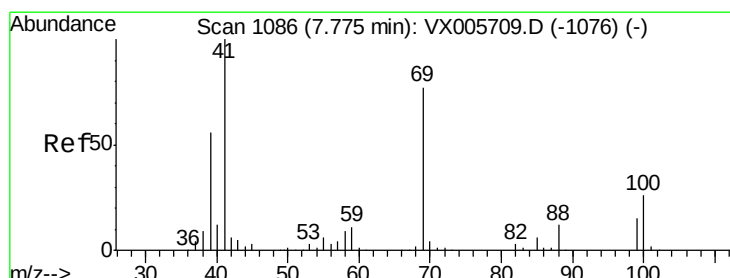
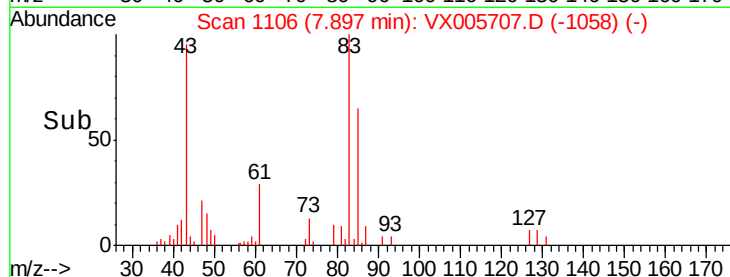
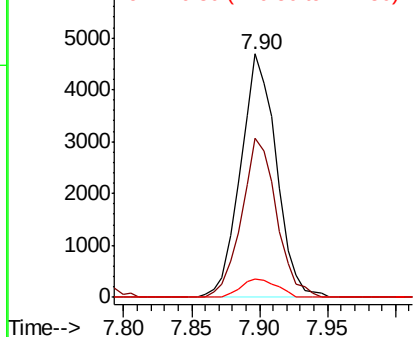
Tot Ion:	83	Resp:	8635
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	7.4	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.779 ug/l

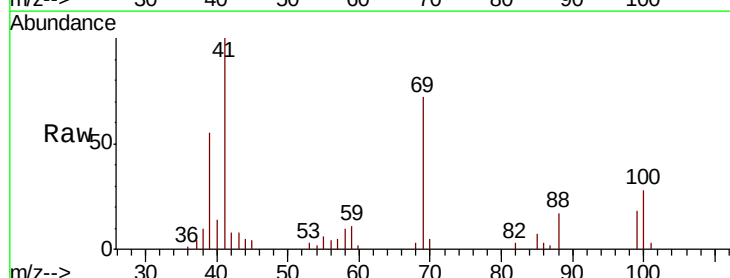
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

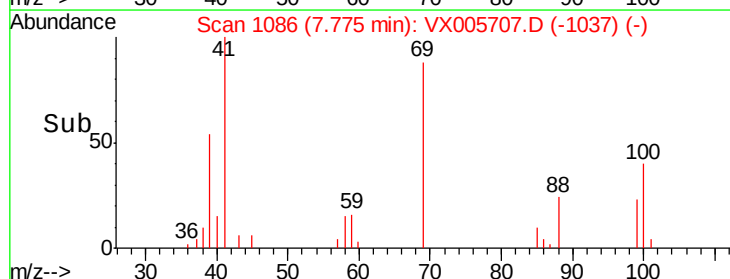
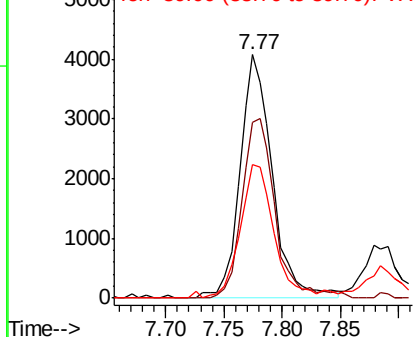
Lab File: VX005707.D

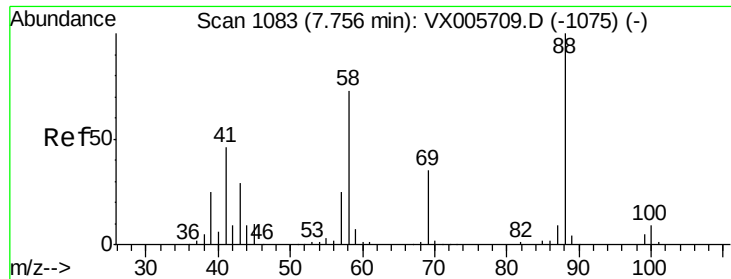
Acq: 31 Oct 2018 14:27

Tgt Ion:	41	Resp:	7860
Ion	Ratio	Lower	Upper
41	100		
69	75.8	63.2	94.8
39	57.1	42.2	63.2



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





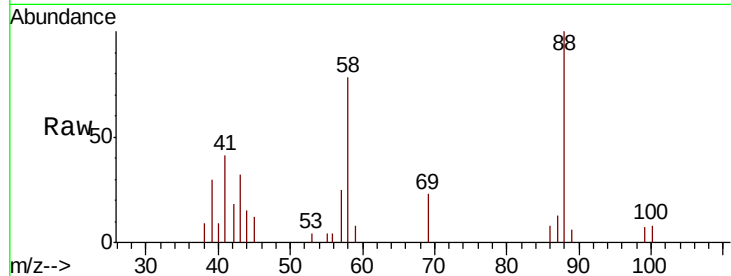
#49
1,4-Dioxane
Concen: 102.979 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	27.4	41.0#
58	75.2	59.4	89.2

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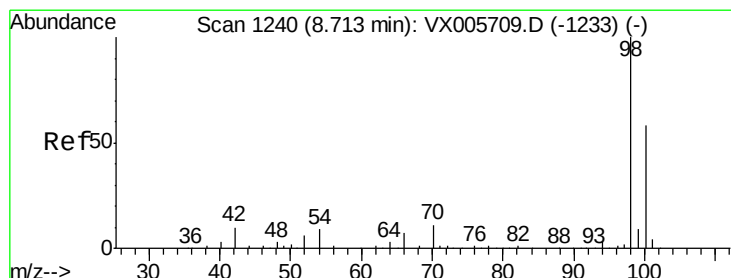
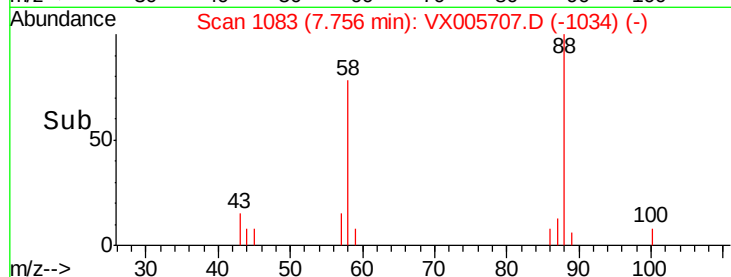
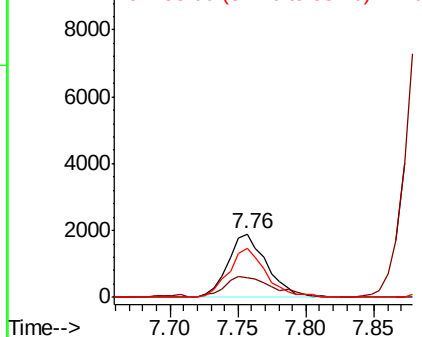


Abundance

Ion 88.00 (87.70 to 88.70): VX0

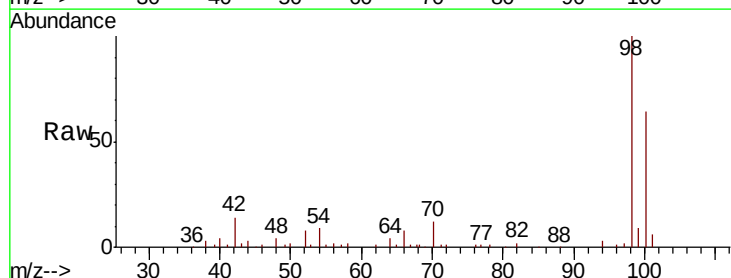
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 4.918 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

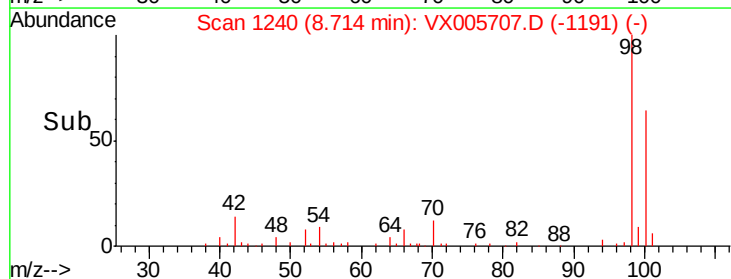
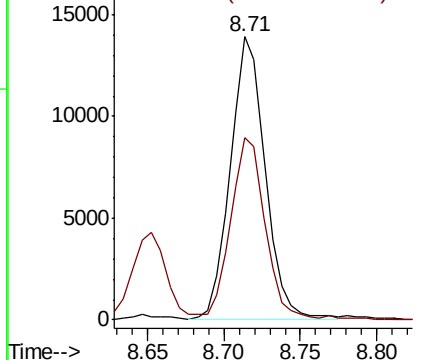
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.3	76.9

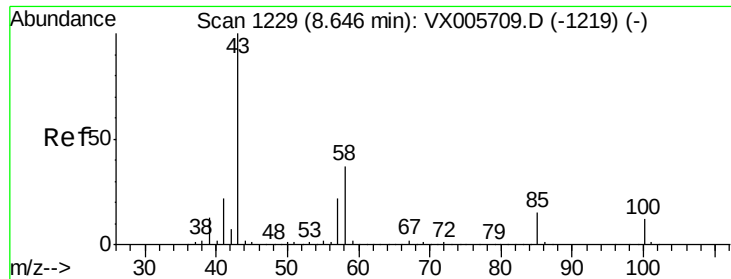


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 24.874 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56433

Ion Ratio Lower Upper

43 100

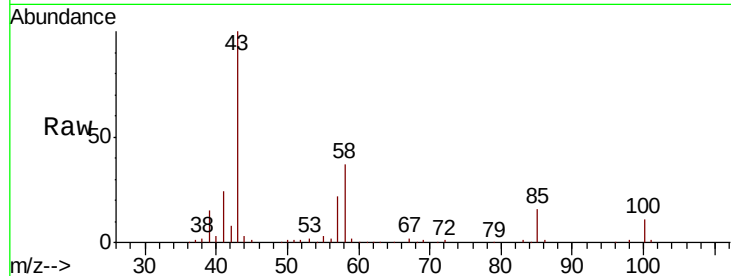
58 36.3 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

40000

30000

20000

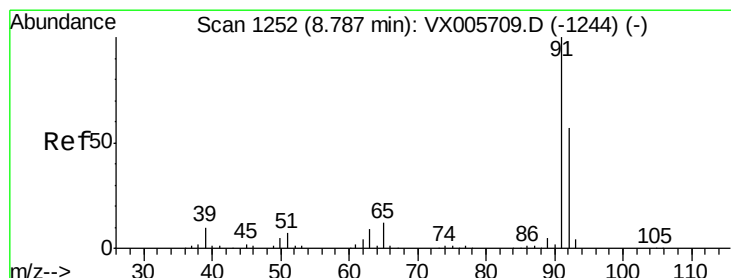
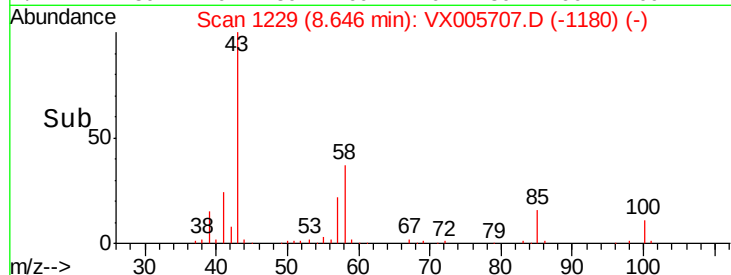
10000

0

8.60

8.70

Time-->



#52

Toluene

Concen: 4.849 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005707.D

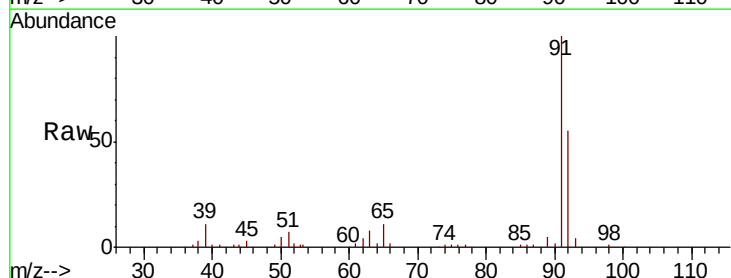
Acq: 31 Oct 2018 14:27

Tgt Ion: 92 Resp: 14913

Ion Ratio Lower Upper

92 100

91 185.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

20000

15000

10000

5000

0

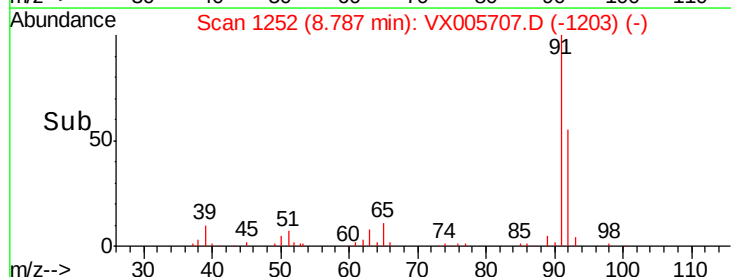
8.70

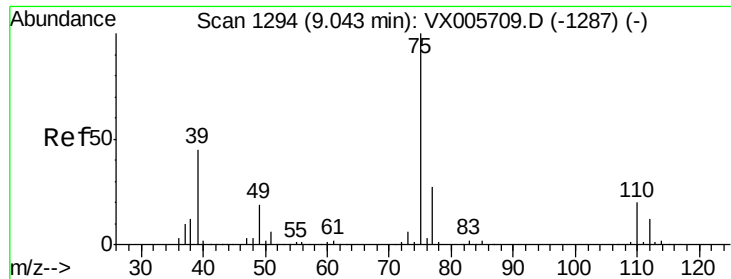
8.75

8.80

8.85

Time-->





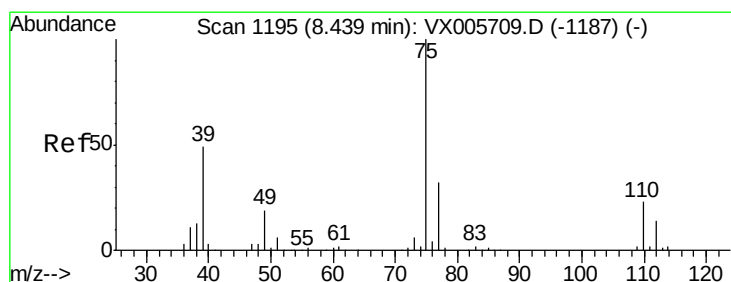
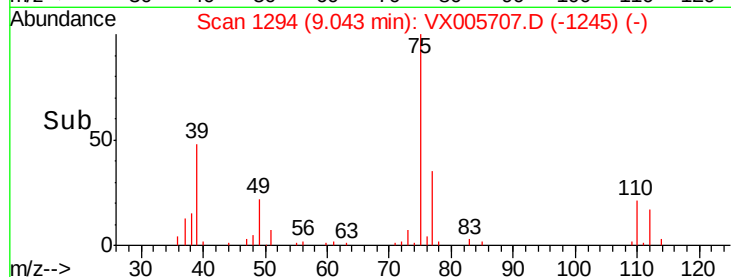
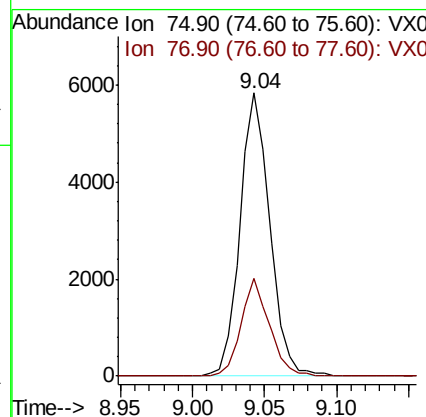
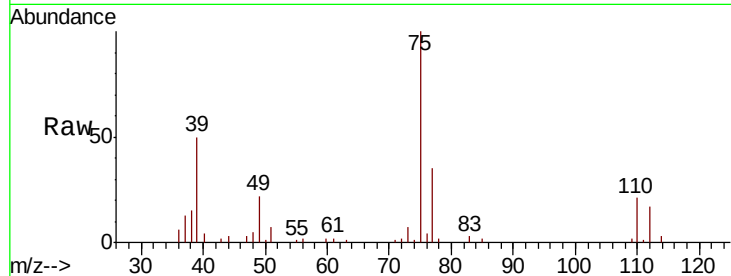
#53
t-1,3-Dichloropropene
Concen: 4.558 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 8402
Ion Ratio Lower Upper
75 100
77 34.6 25.4 38.2

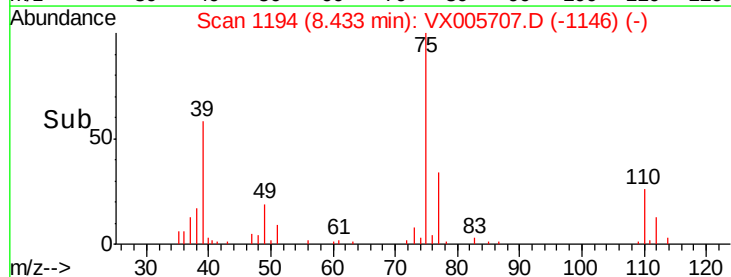
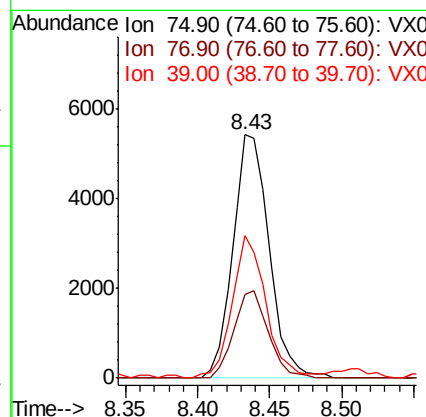
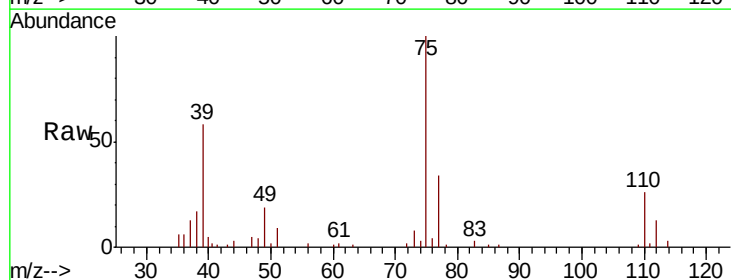
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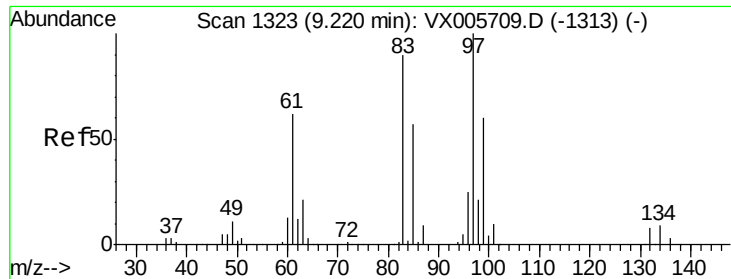
MMDadoda
11/1/2018 9:48:59 AM



#54
cis-1,3-Dichloropropene
Concen: 4.808 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion: 75 Resp: 9541
Ion Ratio Lower Upper
75 100
77 34.3 25.2 37.8
39 58.5 38.2 57.2#





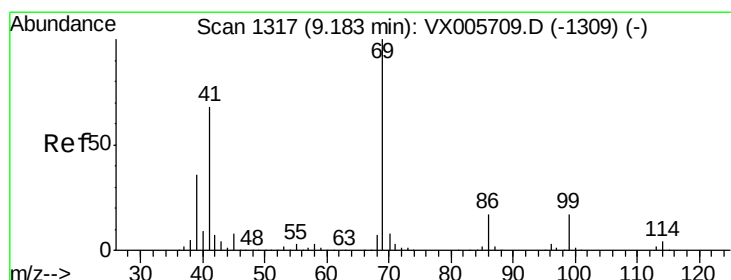
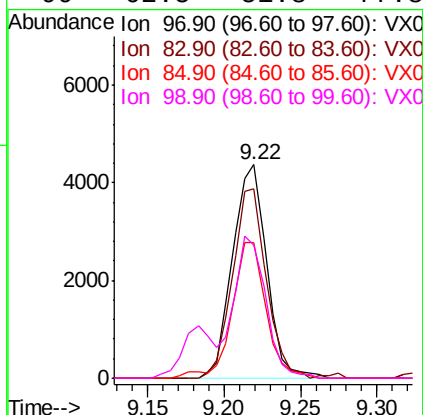
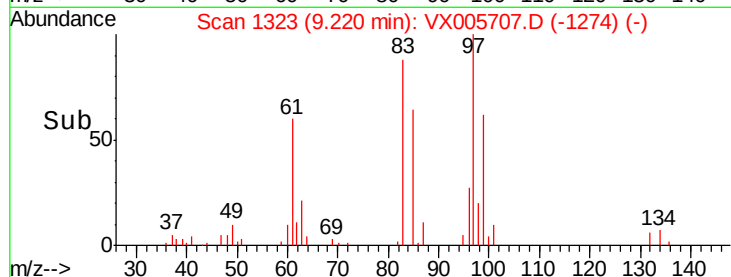
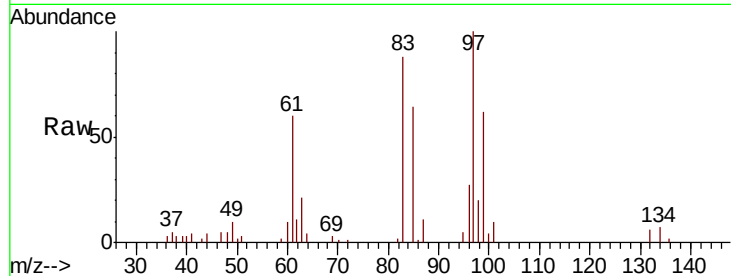
#55
 1,1,2-Trichloroethane
 Concen: 5.209 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6754
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.7	106.1
85	63.7	45.8	68.6
99	62.5	51.8	77.8

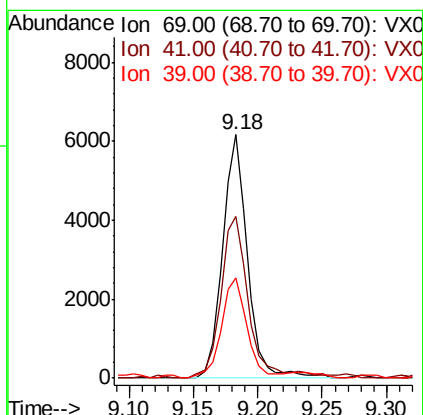
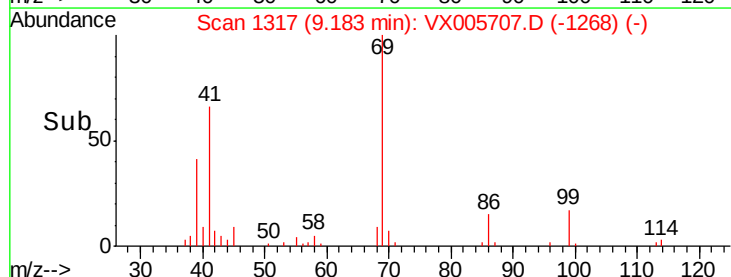
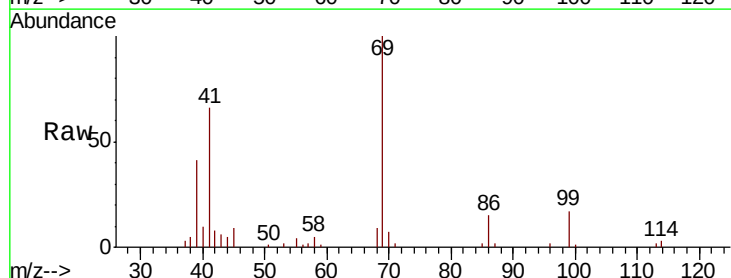
Manual Integrations
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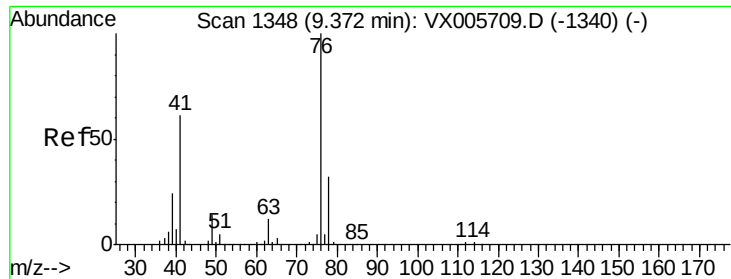
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#56
 Ethyl methacrylate
 Concen: 4.339 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion:	69	Resp:	8393
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.0	85.6
39	41.9	28.3	42.5





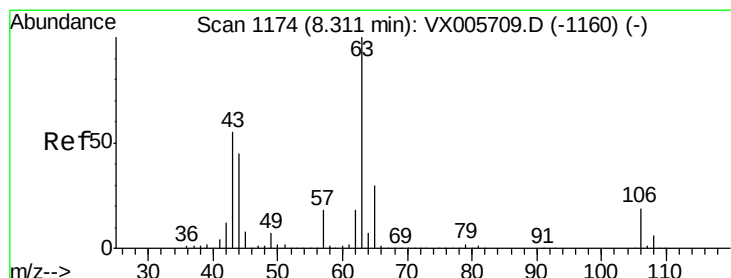
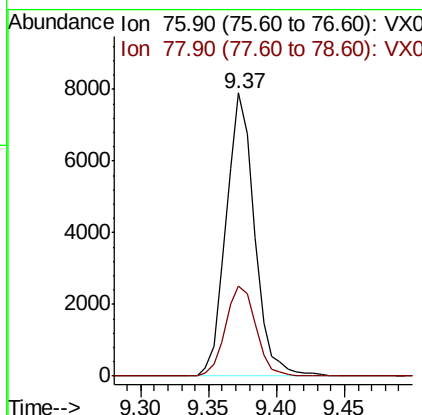
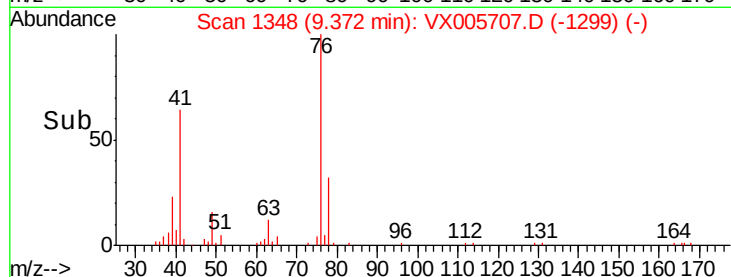
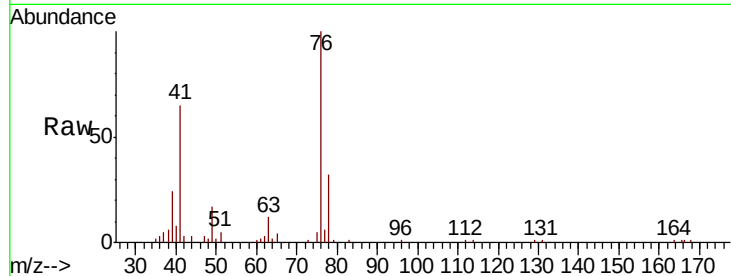
#57
 1,3-Dichloropropane
 Concen: 5.243 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 11504
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.3 37.9

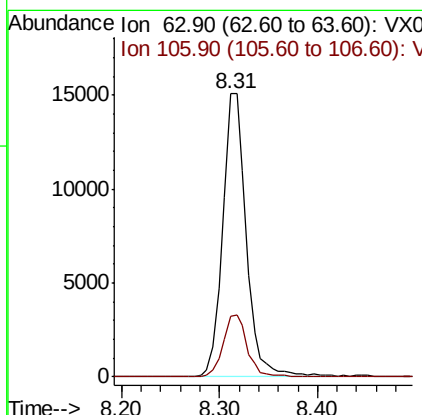
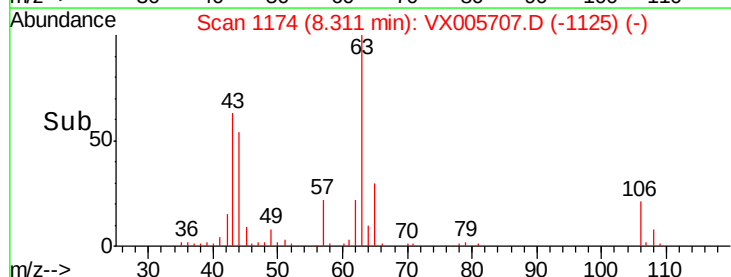
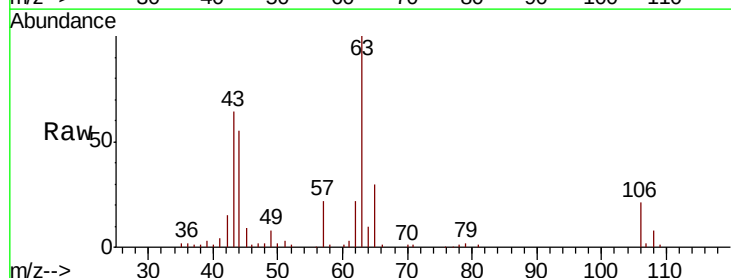
Manual Integrations
 APPROVED

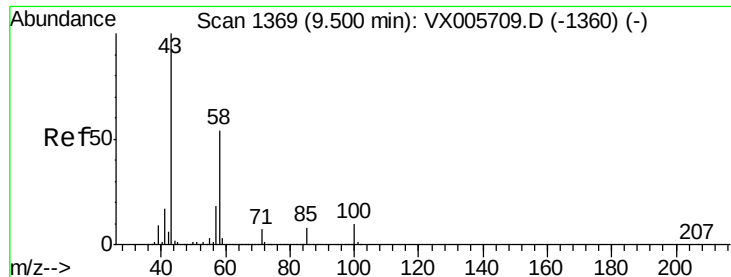
MMDadoda
 11/1/2018 9:48:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.381 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion: 63 Resp: 25257
 Ion Ratio Lower Upper
 63 100
 106 22.1 21.3 31.9





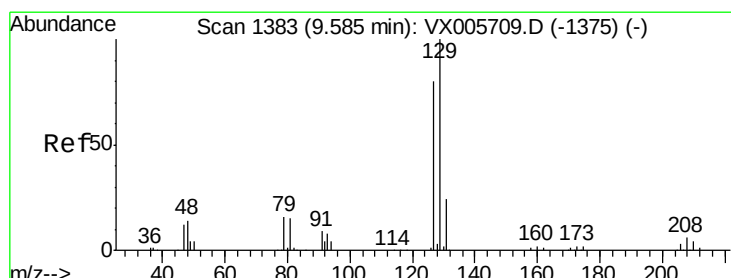
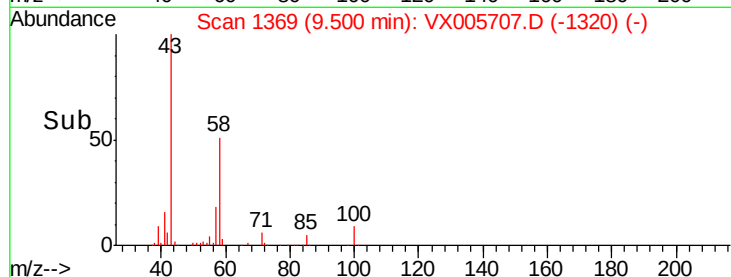
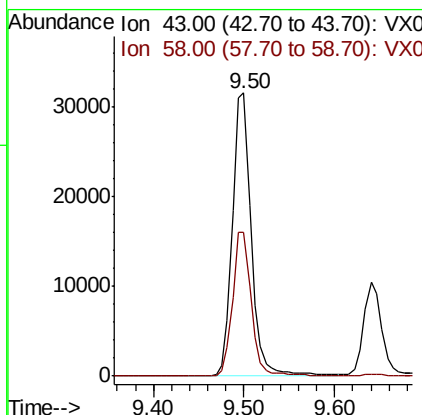
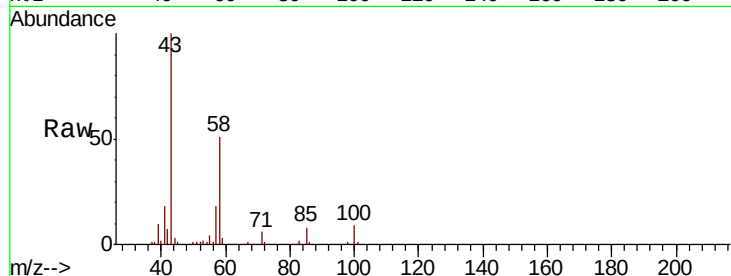
#59
2-Hexanone
Concen: 25.552 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.8

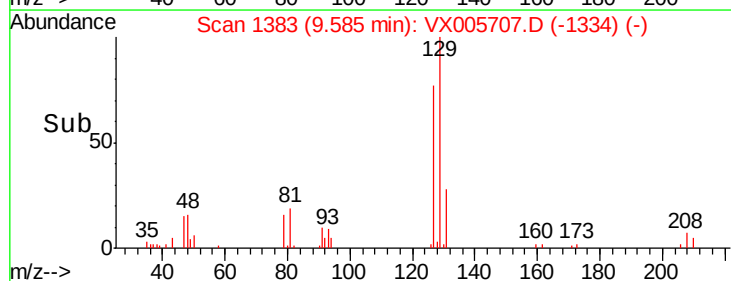
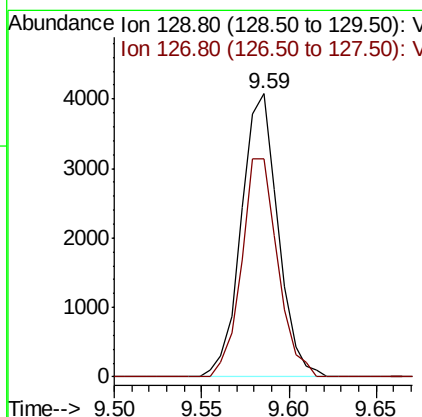
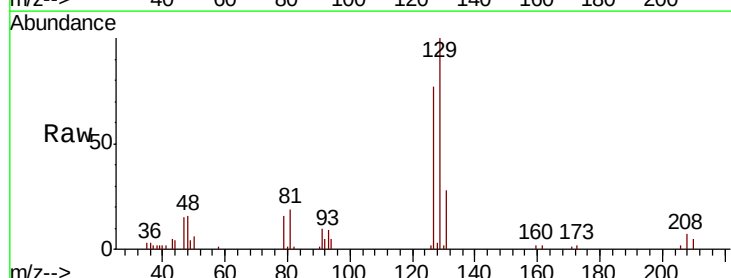
Manual Integrations
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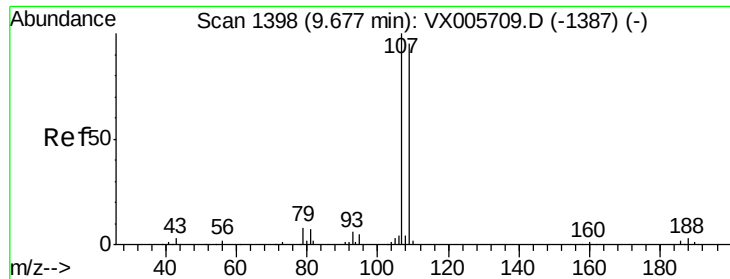
MMDadoda
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#60
Dibromochloromethane
Concen: 4.402 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.9	116.7





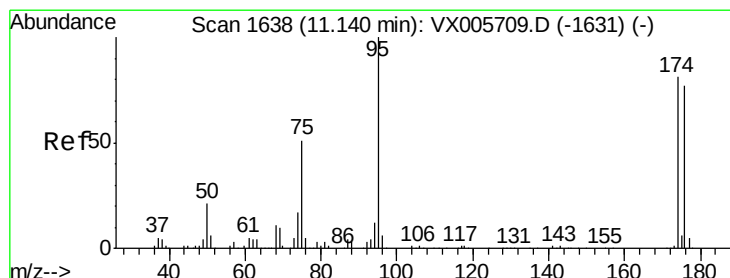
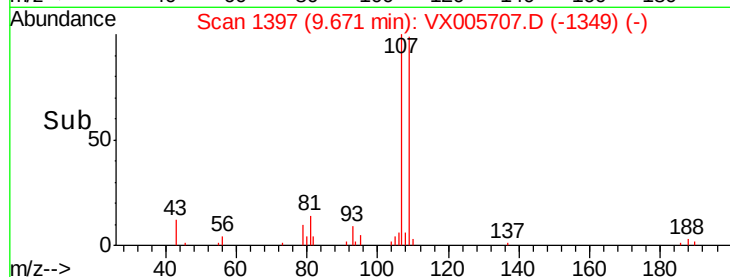
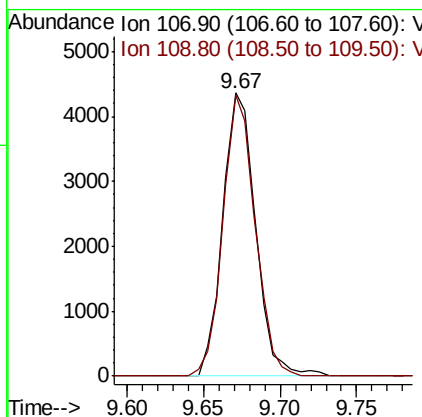
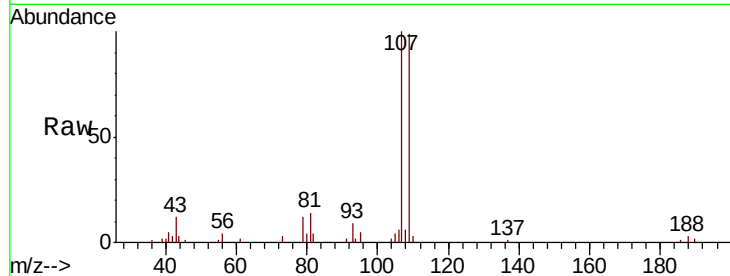
#61
 1,2-Dibromoethane
 Concen: 4.839 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 6491
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.7 113.5

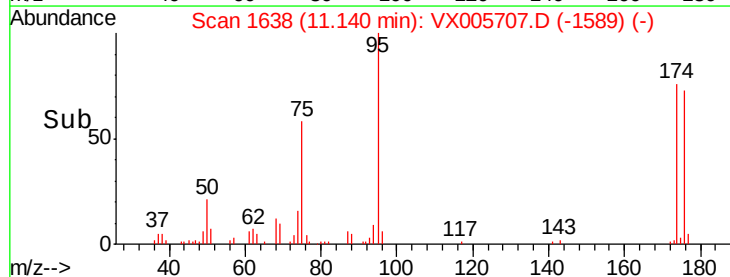
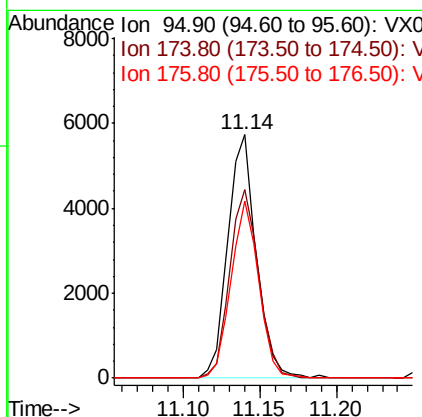
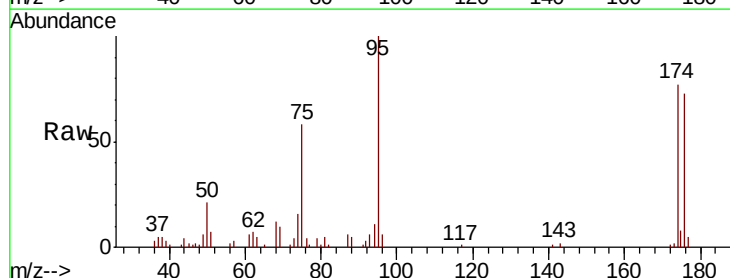
Manual Integrations
 APPROVED

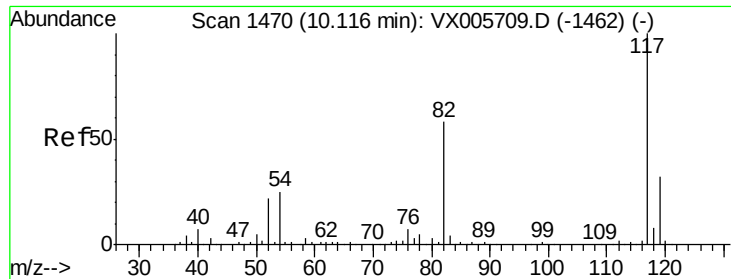
MMDadoda
 11/1/2018 9:48:59 AM



#62
 4-Bromofluorobenzene
 Concen: 4.429 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion: 95 Resp: 7403
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 184.4
 176 70.7 0.0 177.4





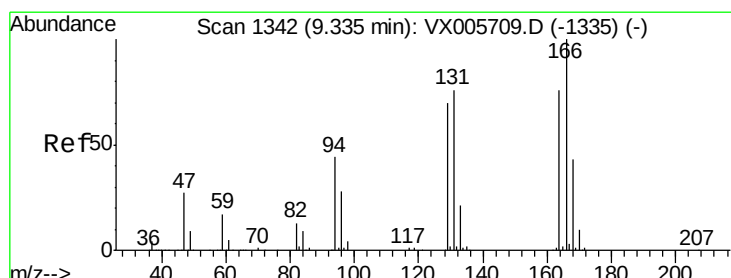
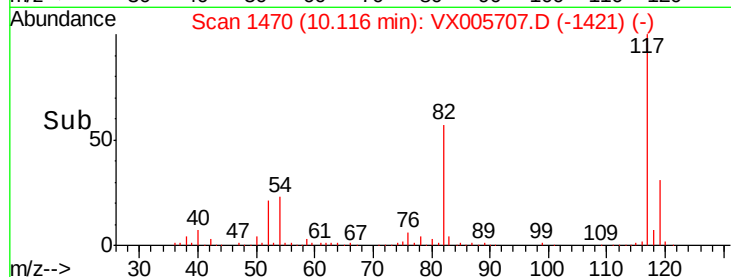
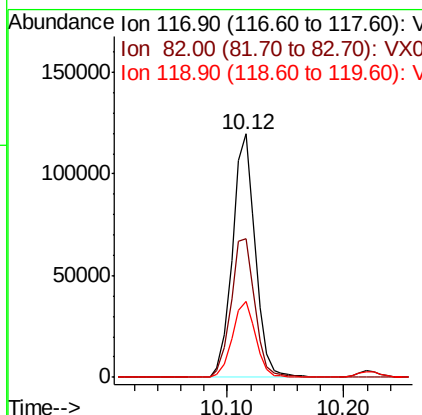
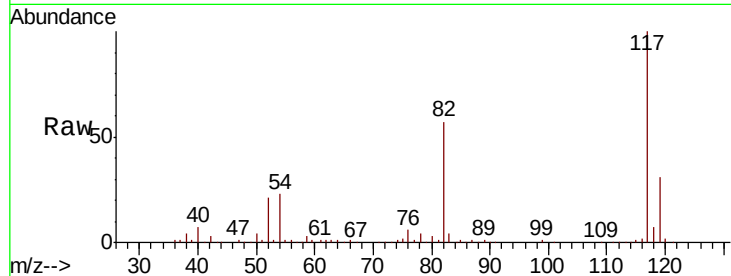
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.1	66.1
119	31.4	26.2	39.2

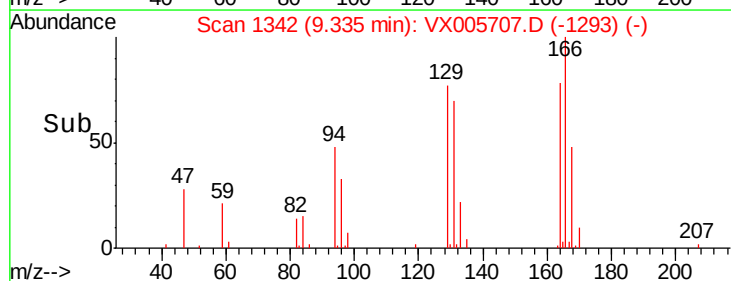
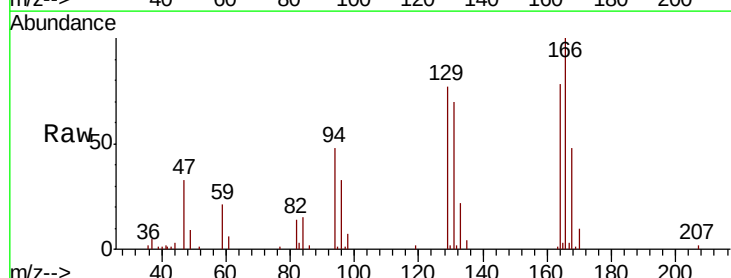
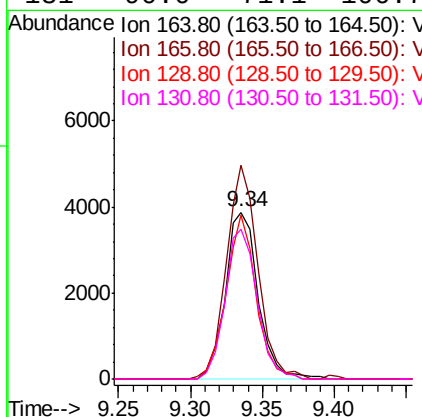
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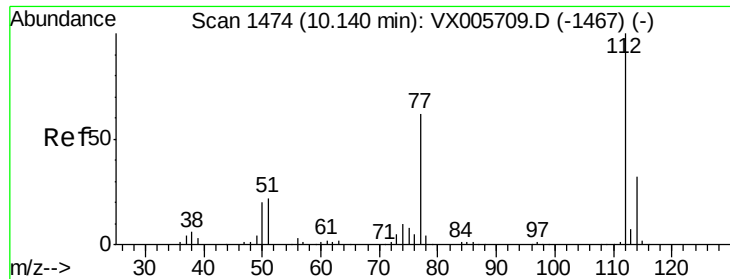
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#64
Tetrachloroethene
Concen: 4.578 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.9	152.9
129	98.6	72.6	109.0
131	90.0	71.1	106.7





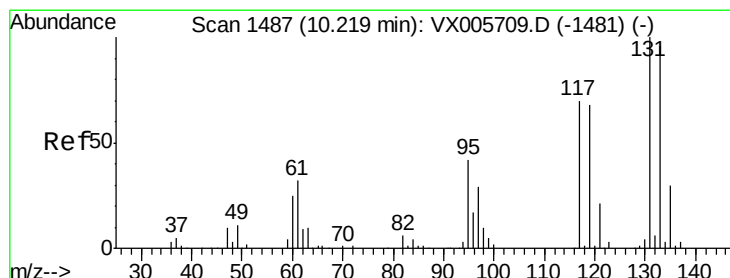
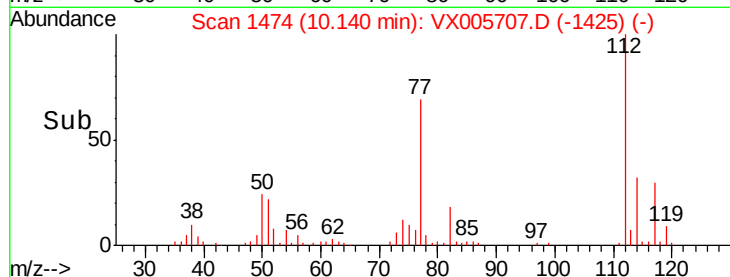
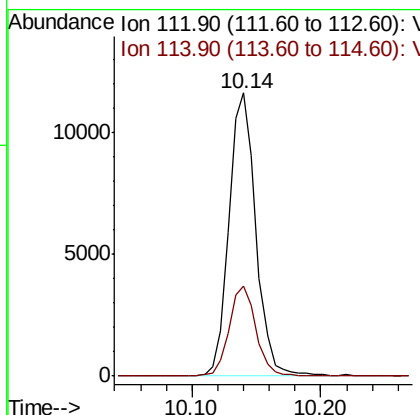
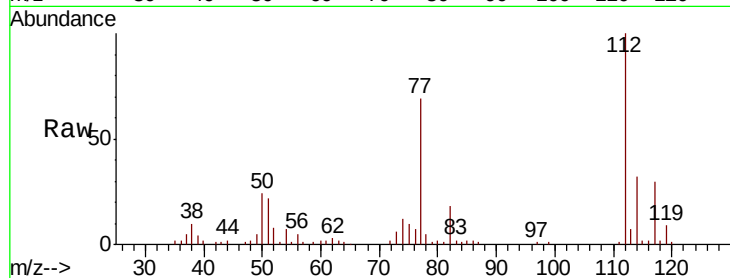
#65
Chlorobenzene
Concen: 4.895 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 17009
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

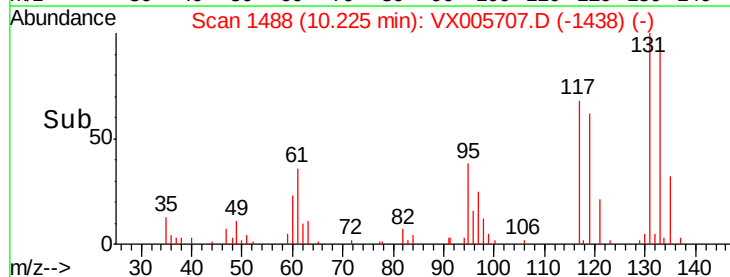
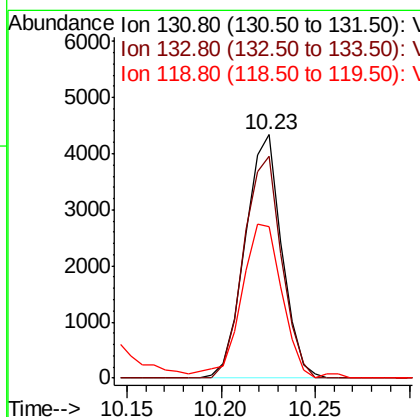
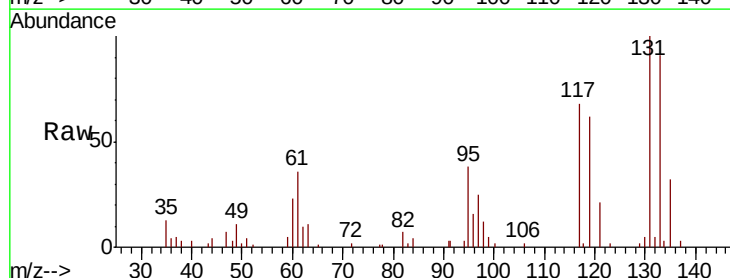
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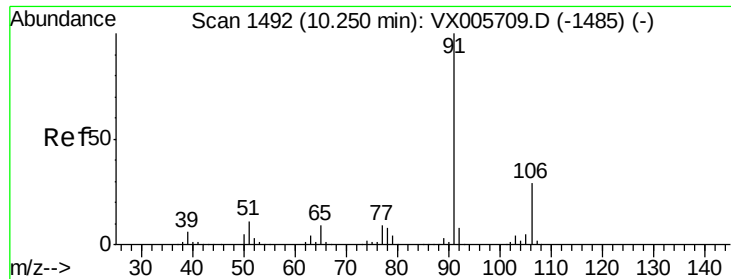
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.625 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion:131 Resp: 5859
Ion Ratio Lower Upper
131 100
133 93.6 47.5 142.5
119 70.5 31.8 95.3





#67

Ethyl Benzene

Concen: 4.867 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 27822

Ion Ratio Lower Upper

91 100

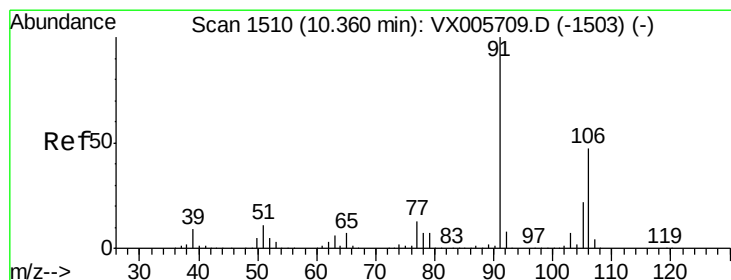
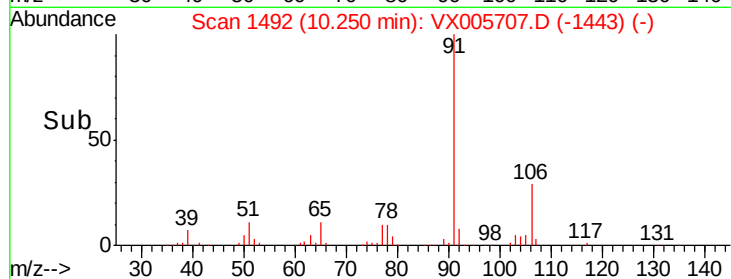
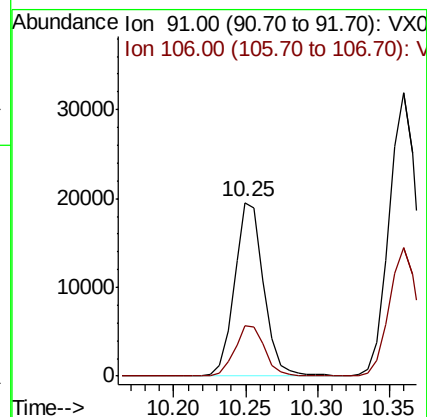
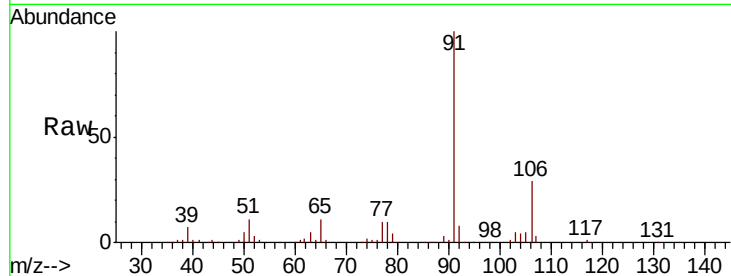
106 29.2 24.4 36.6

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#68

m/p-Xylenes

Concen: 9.140 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005707.D

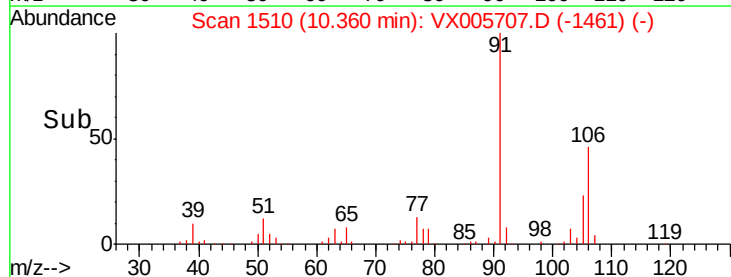
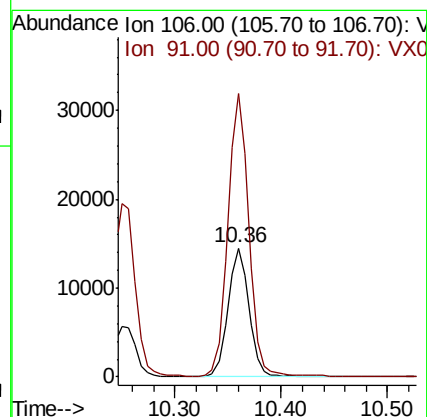
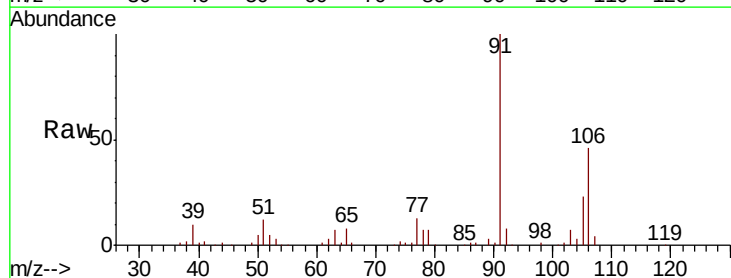
Acq: 31 Oct 2018 14:27

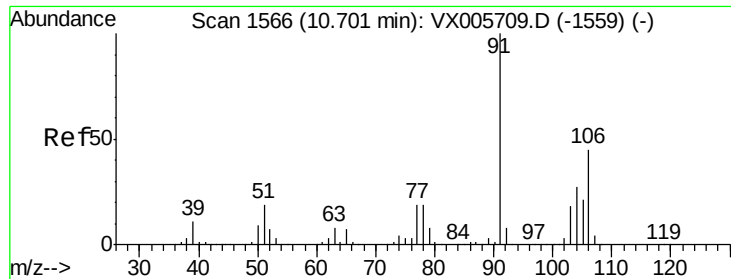
Tgt Ion: 106 Resp: 20272

Ion Ratio Lower Upper

106 100

91 216.9 164.2 246.4





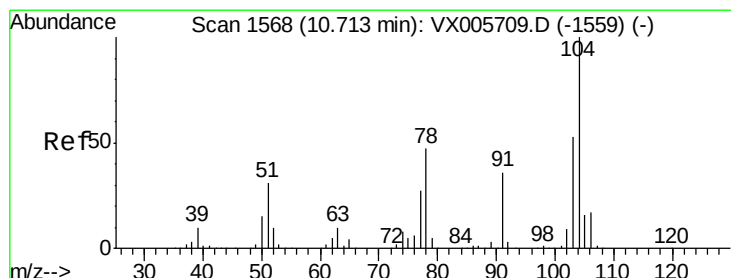
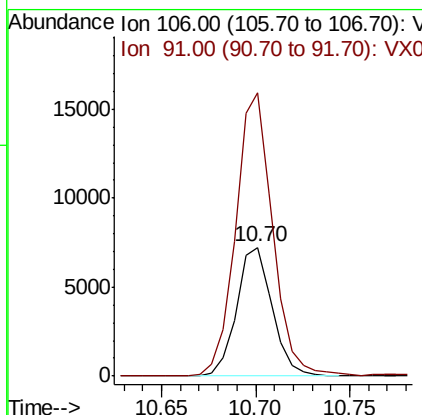
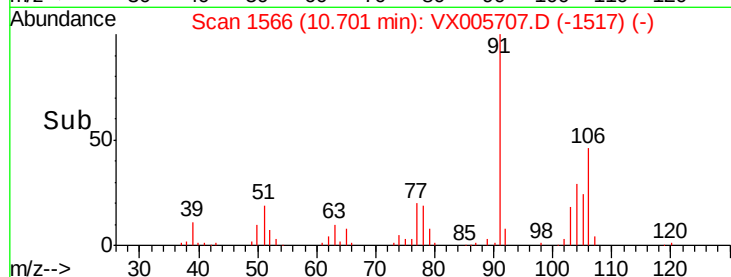
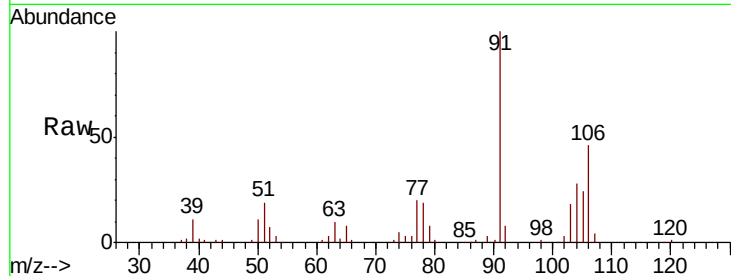
#69
o-Xylene
Concen: 4.531 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.5	108.5	325.5

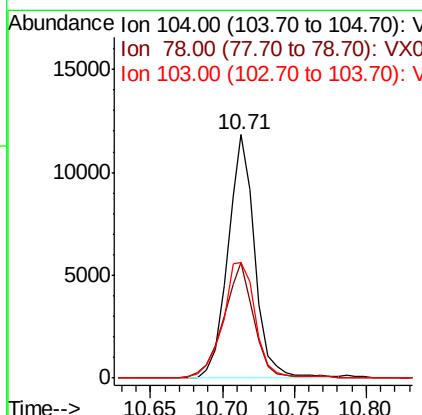
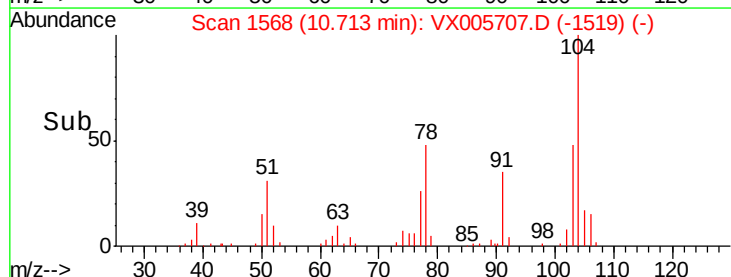
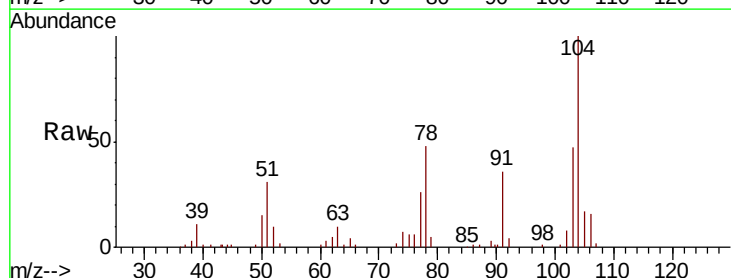
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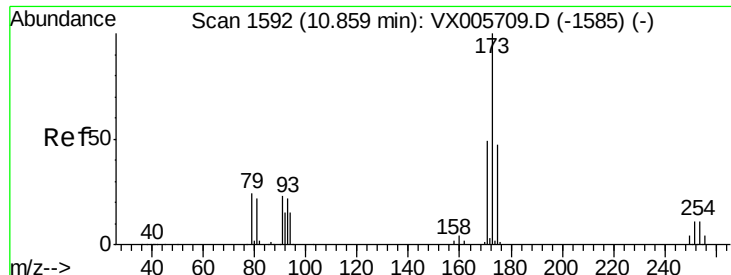
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#70
Styrene
Concen: 4.427 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	40.2	60.4
103	58.1	44.9	67.3





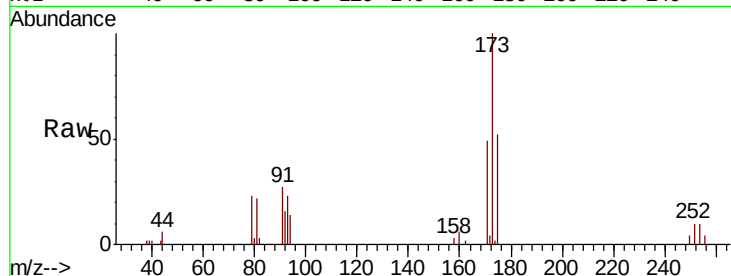
#71
Bromoform
Concen: 3.825 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

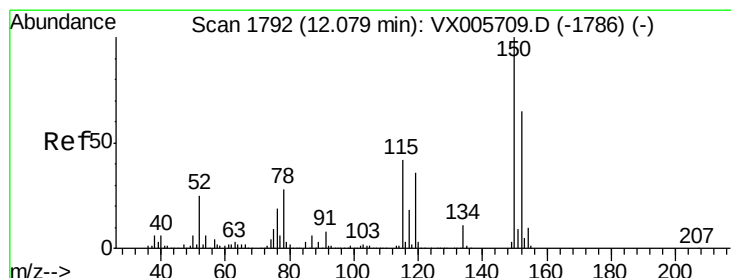
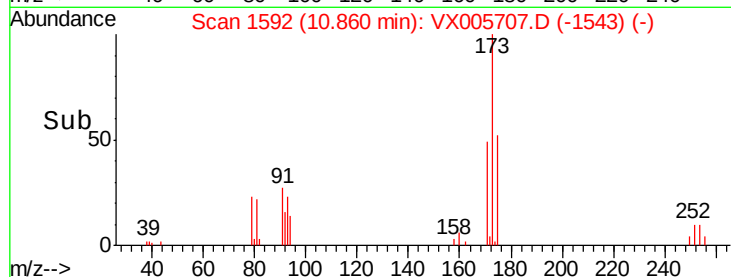
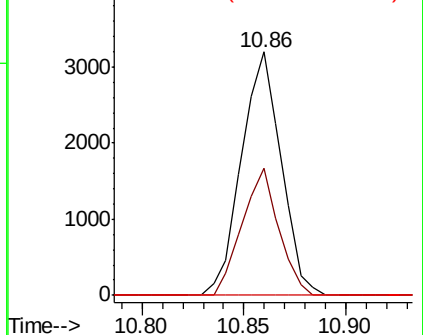
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.0	0.2	0.2

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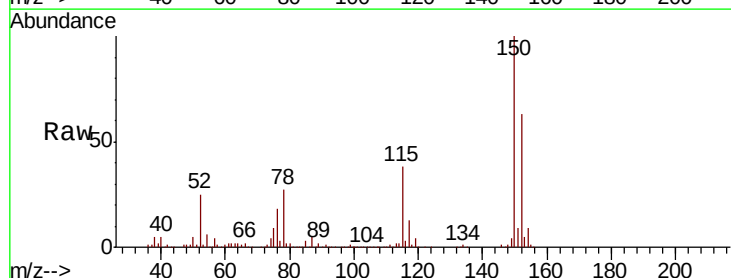


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

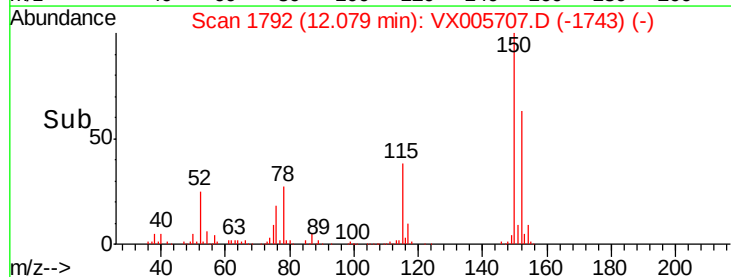
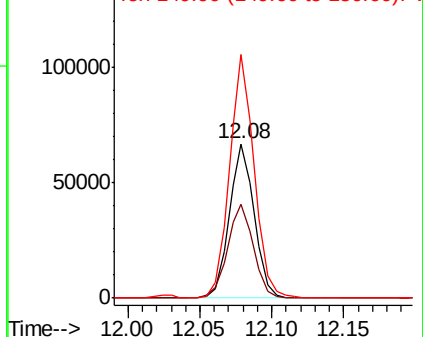


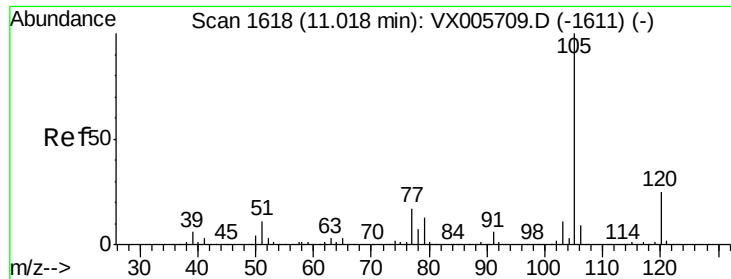
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	39.4	118.1
150	156.6	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





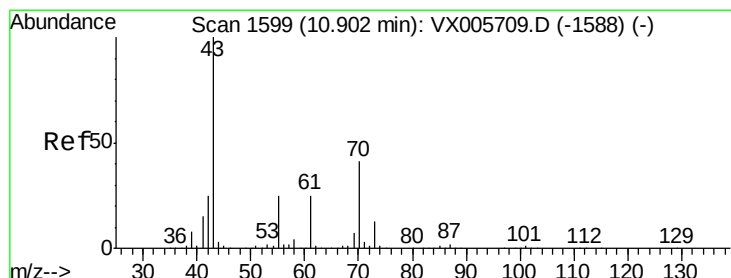
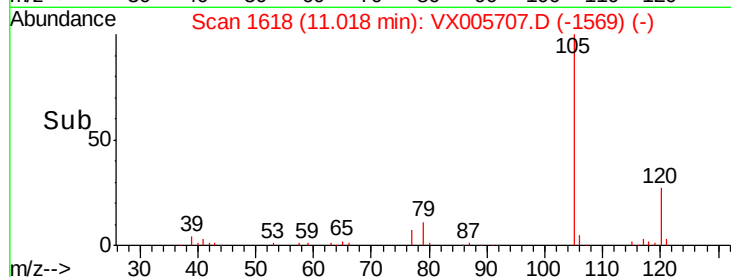
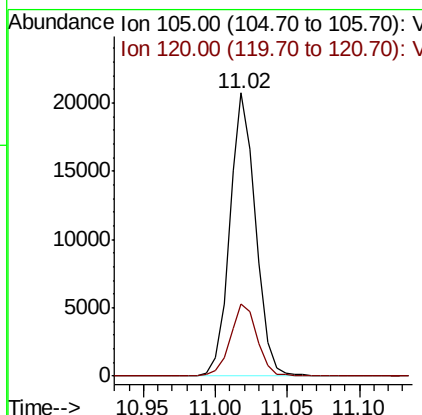
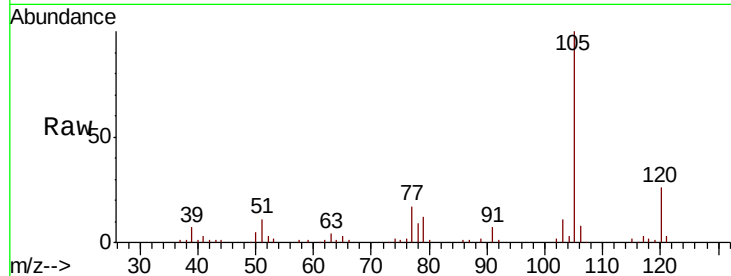
#73
Isopropylbenzene
Concen: 5.265 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

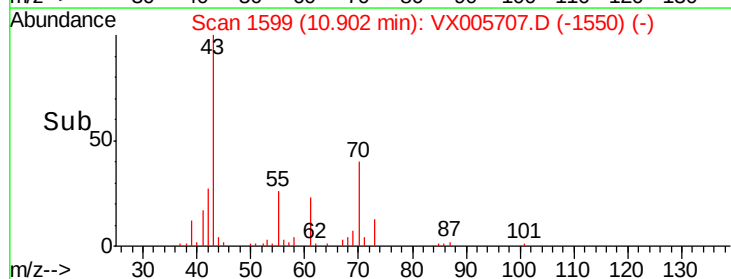
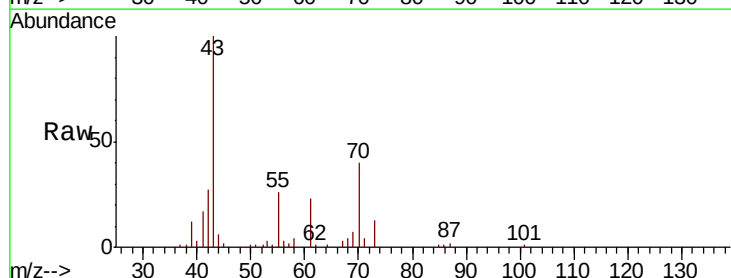
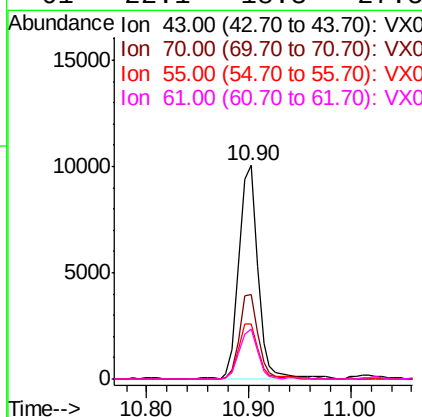
Manual Integrations
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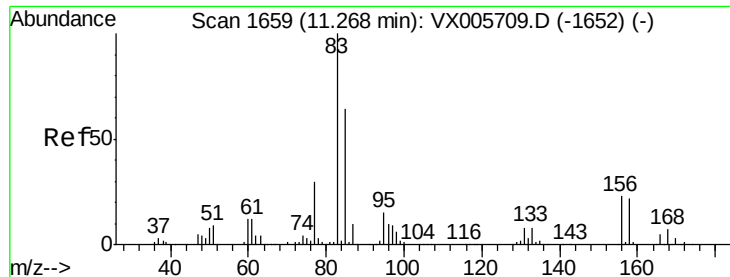
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#74
N-ethyl acetate
Concen: 5.350 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.6	47.4
55	26.7	19.7	29.5
61	22.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 6.201 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

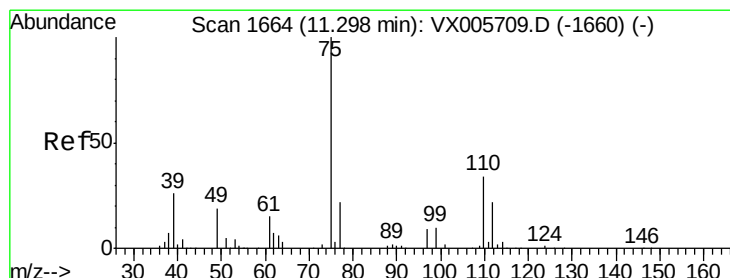
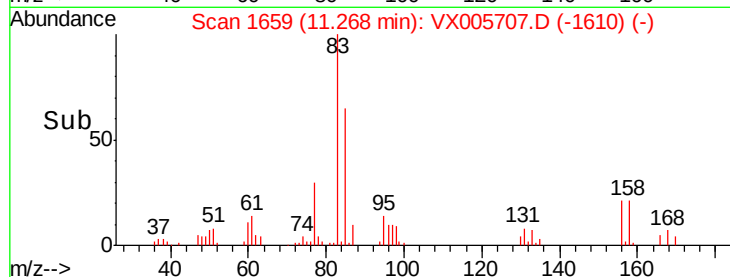
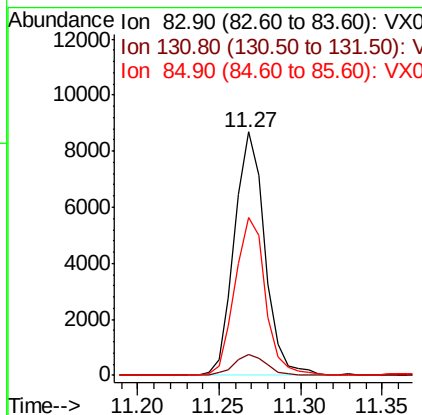
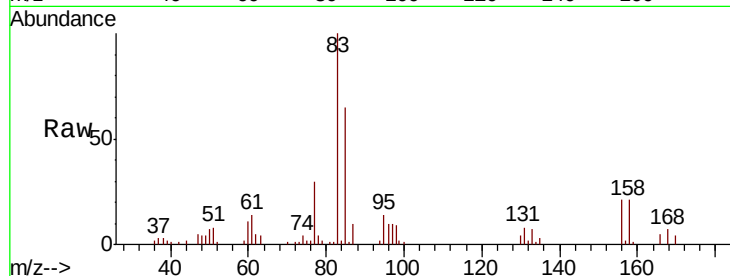
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11305
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.3	15.9
85	64.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.954 ug/l m

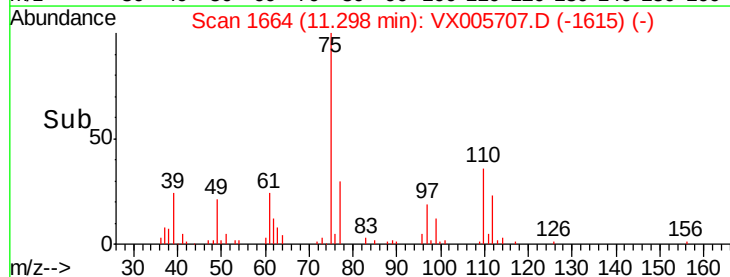
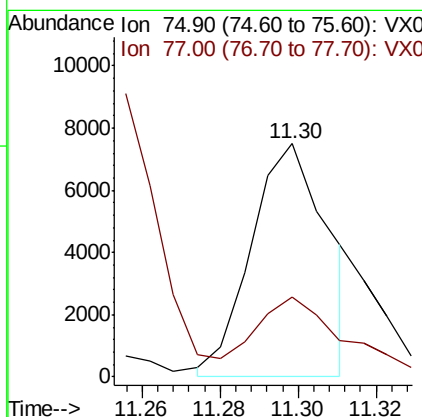
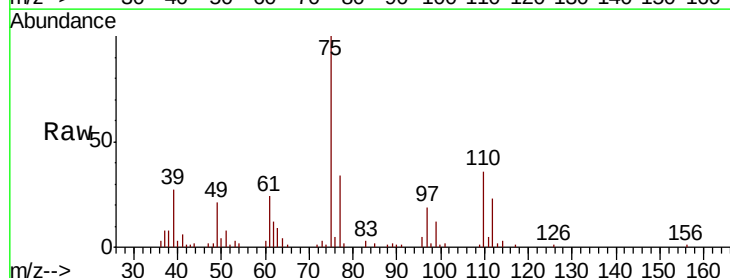
RT: 11.30 min Scan# 1664

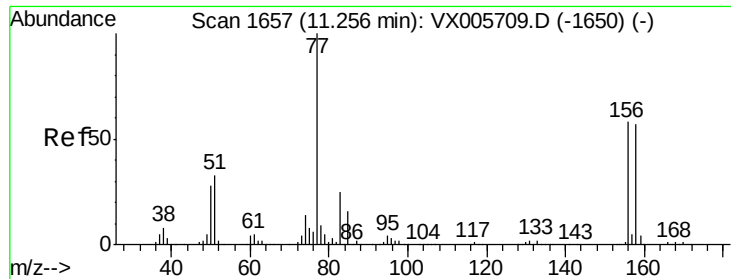
Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Tgt Ion:	75	Resp:	10197
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.5	61.6





#77

Bromobenzene

Concen: 4.849 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 6678

Ion Ratio Lower Upper

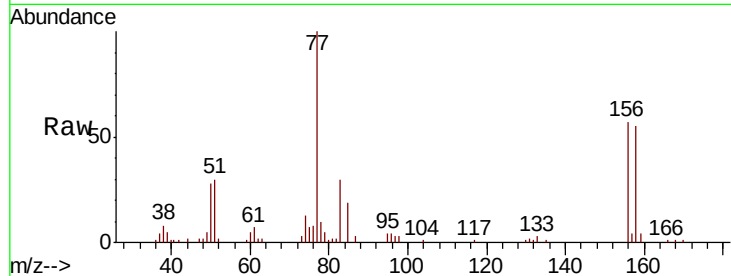
156 100

77 175.6 74.8 224.4

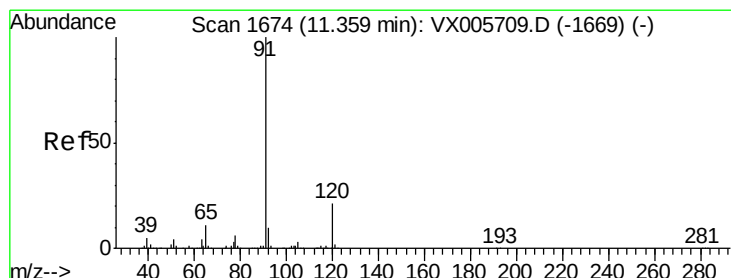
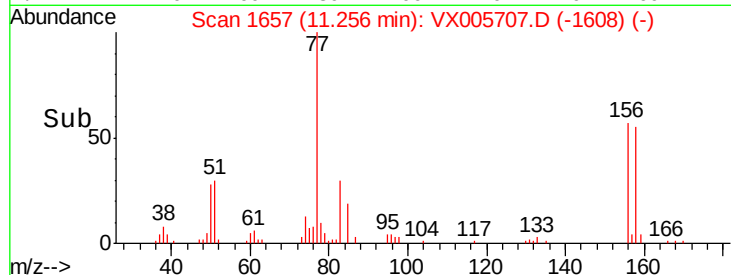
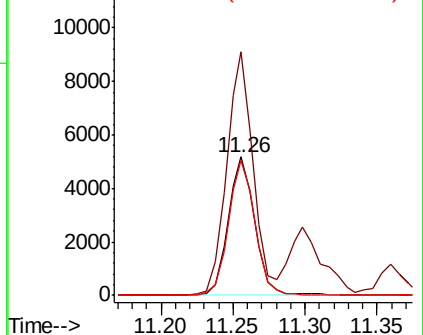
158 97.4 49.1 147.3

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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: 5.630 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005707.D

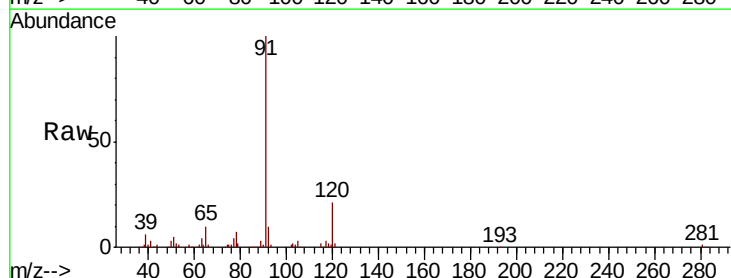
Acq: 31 Oct 2018 14:27

Tgt Ion: 91 Resp: 31813

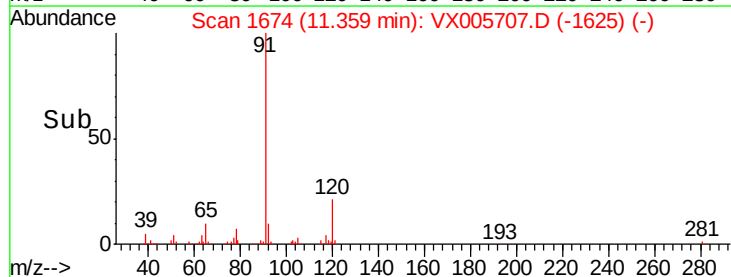
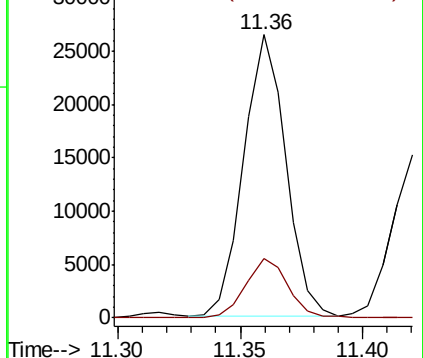
Ion Ratio Lower Upper

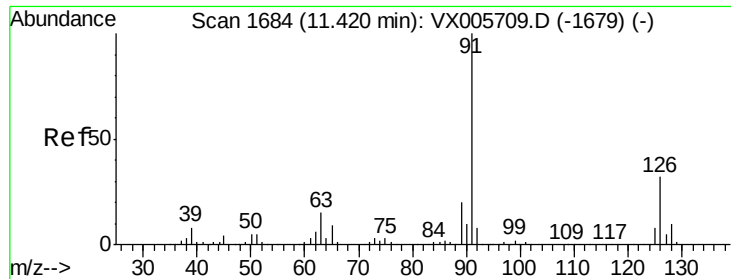
91 100

120 21.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





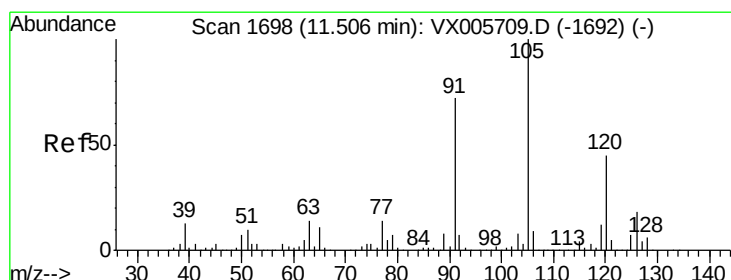
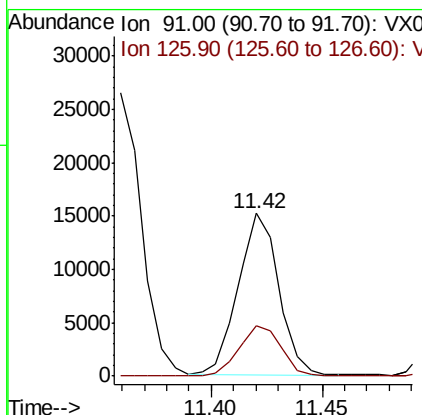
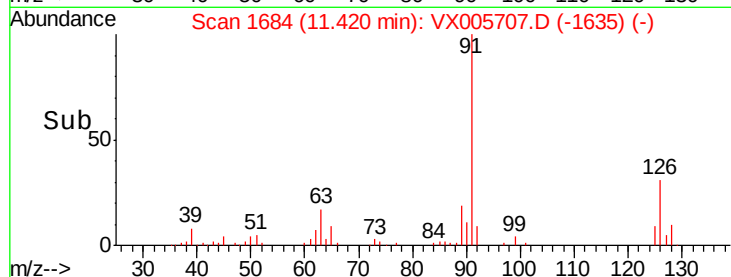
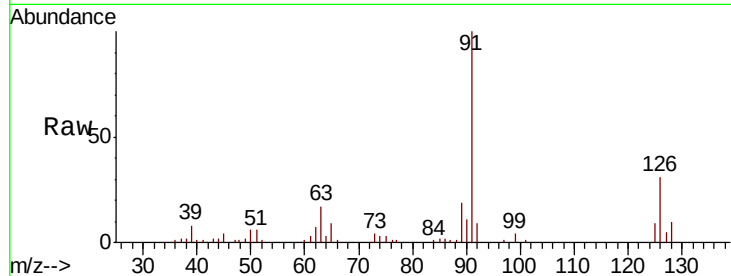
#79
 2-Chlorotoluene
 Concen: 5.538 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 19400
 Ion Ratio Lower Upper
 91 100
 126 32.3 17.3 52.0

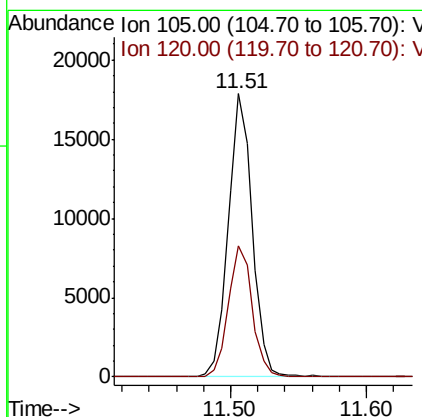
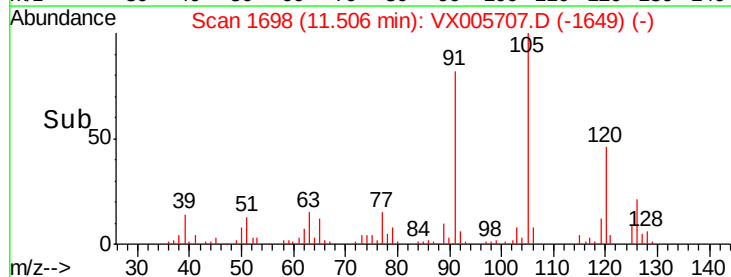
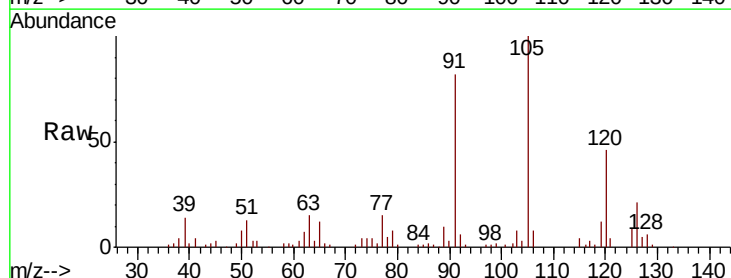
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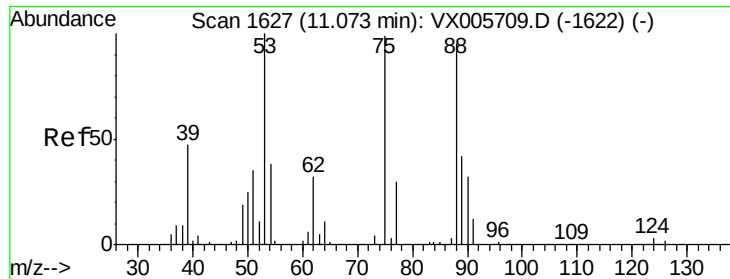
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.163 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion: 105 Resp: 21824
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.279 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 2767

Ion Ratio Lower Upper

75 100

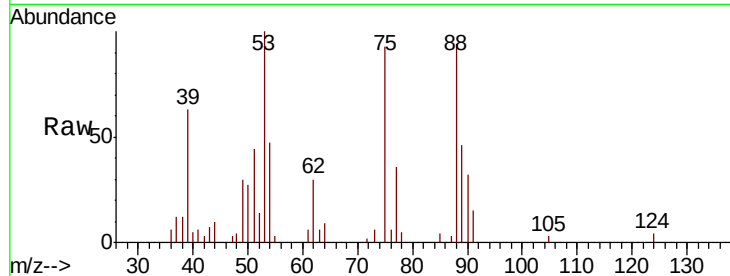
53 115.7 80.2 120.2

89 48.4 39.8 59.8

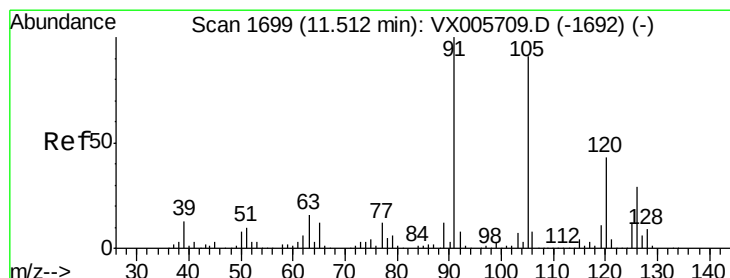
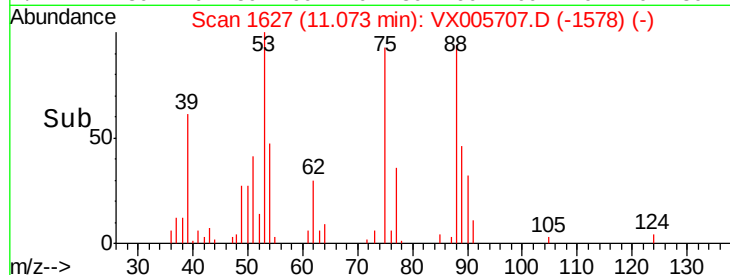
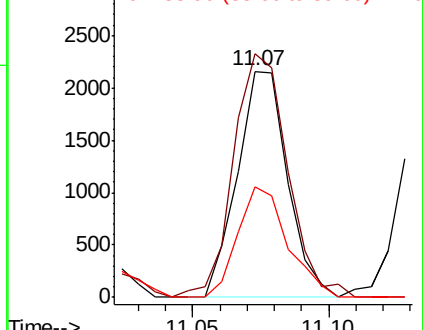
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.534 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005707.D

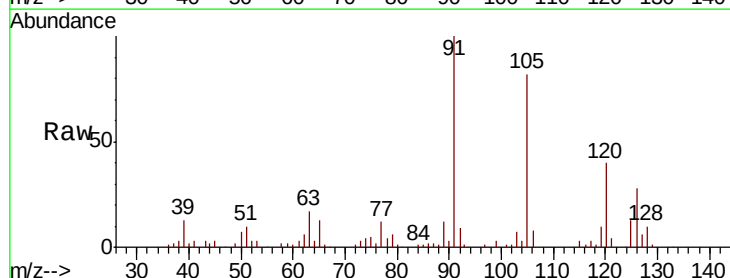
Acq: 31 Oct 2018 14:27

Tgt Ion: 91 Resp: 22862

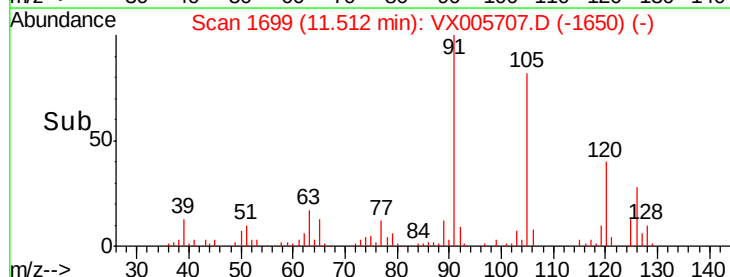
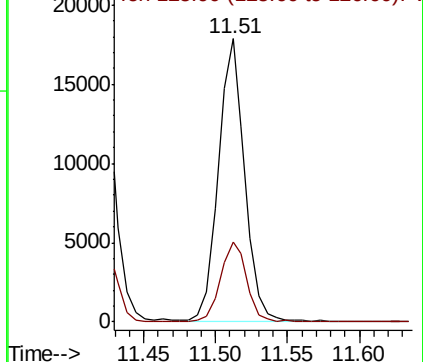
Ion Ratio Lower Upper

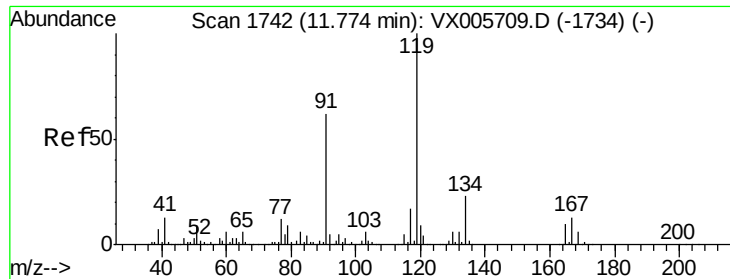
91 100

126 28.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





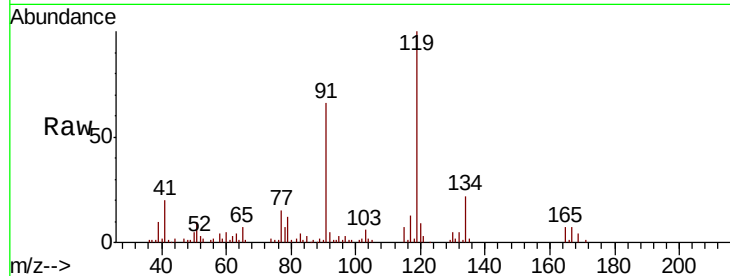
#83
 tert-Butylbenzene
 Concen: 4.862 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

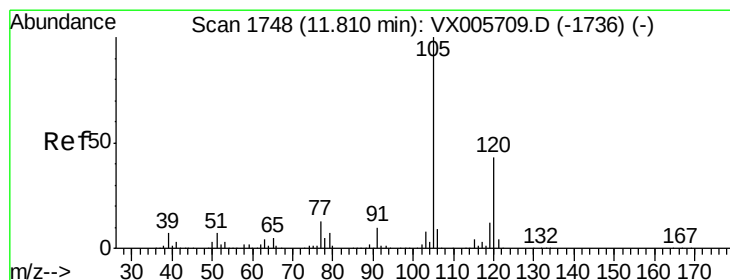
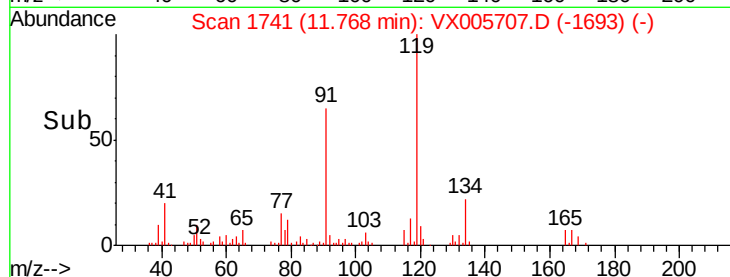
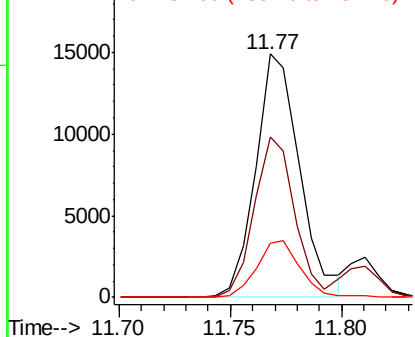
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	28.5	85.5
134	23.1	11.3	33.8

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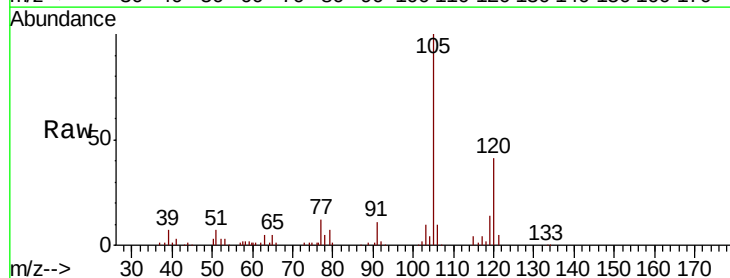


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

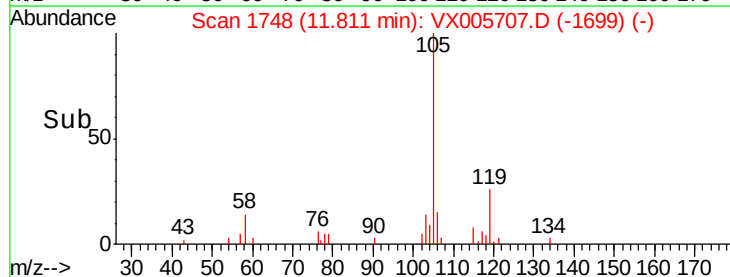
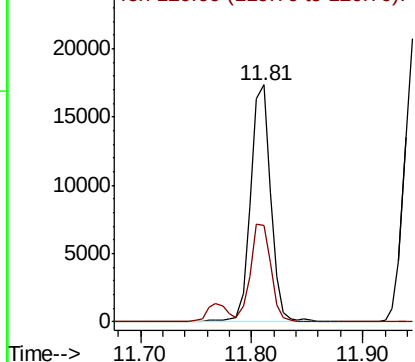


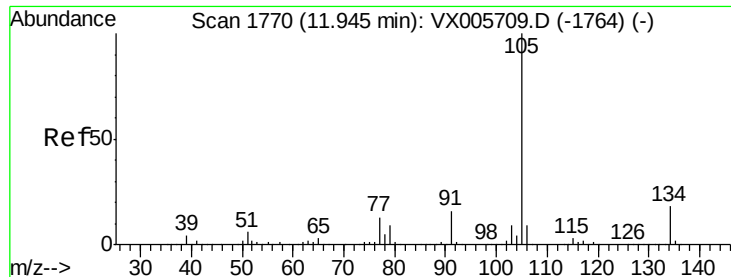
#84
 1,2,4-Trimethylbenzene
 Concen: 5.095 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.5	22.4	67.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.262 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 26455

Ion Ratio Lower Upper

105 100

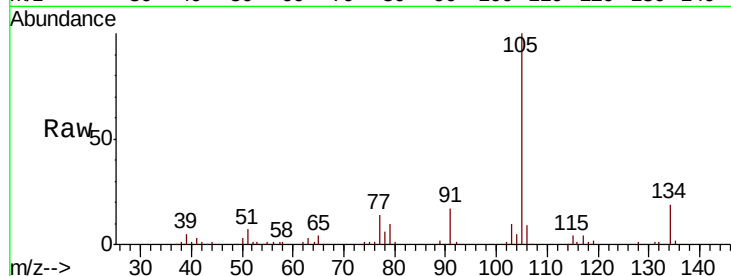
134 19.4 10.2 30.4

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

20000

15000

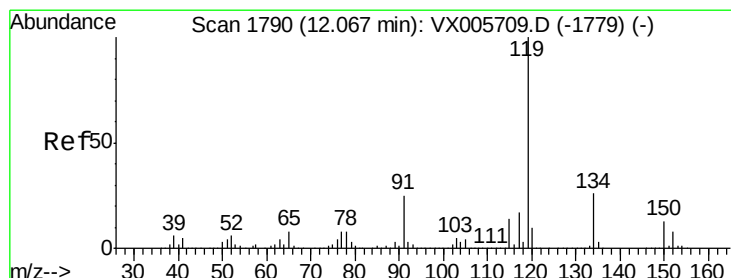
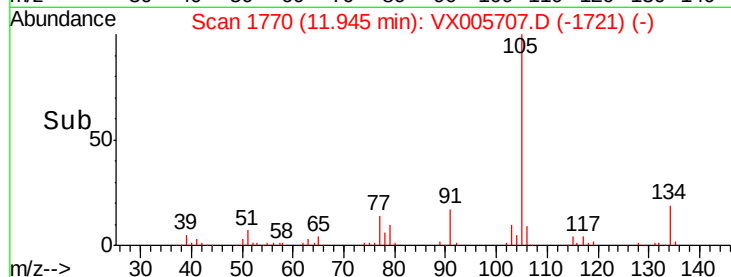
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.868 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005707.D

Acq: 31 Oct 2018 14:27

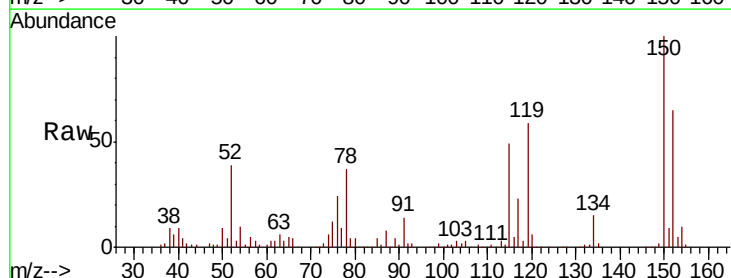
Tgt Ion:119 Resp: 21880

Ion Ratio Lower Upper

119 100

134 27.3 13.0 39.0

91 27.4 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

25000

20000

15000

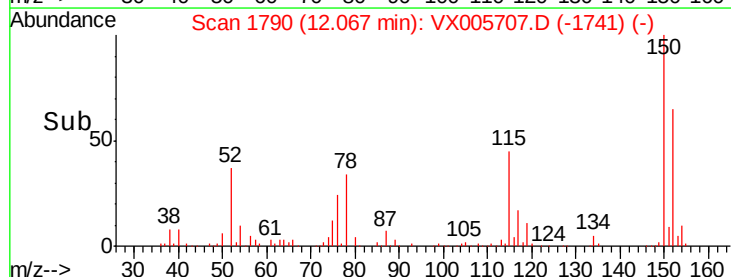
10000

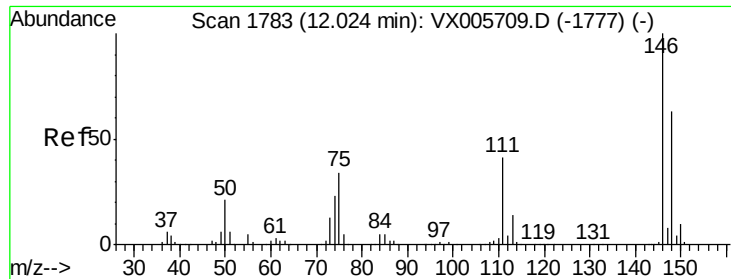
5000

0

Time-->

12.00 12.05 12.10





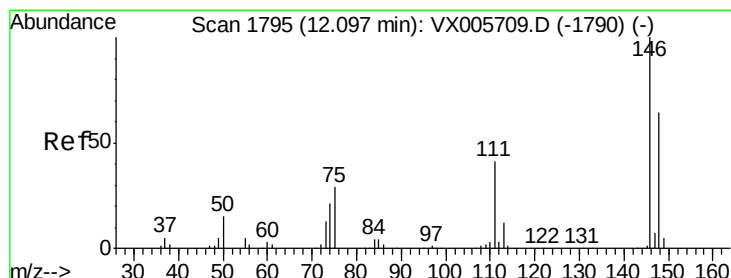
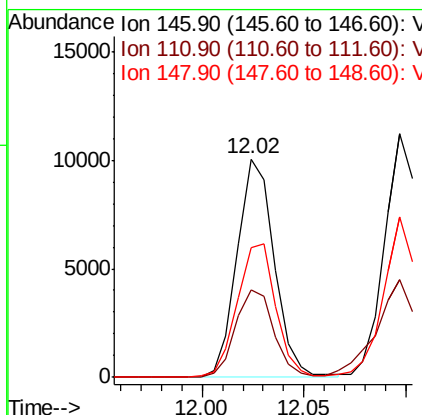
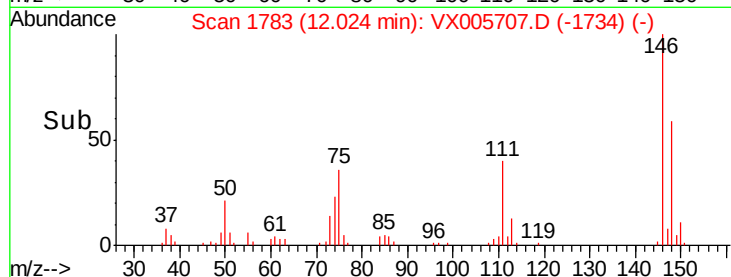
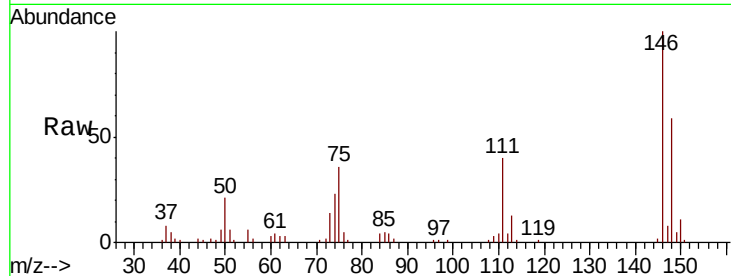
#87
 1,3-Dichlorobenzene
 Concen: 4.912 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.0	57.0
148	63.7	31.9	95.9

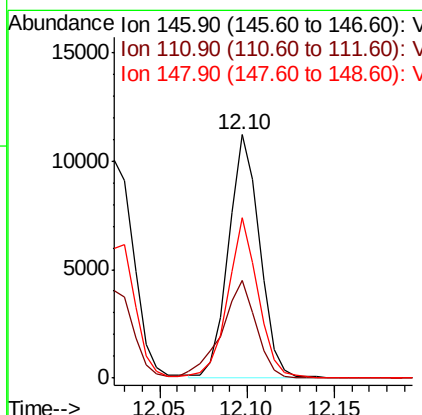
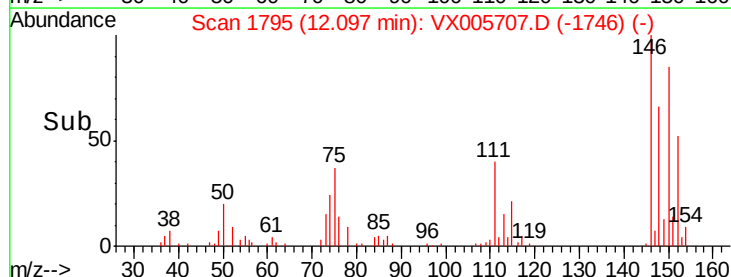
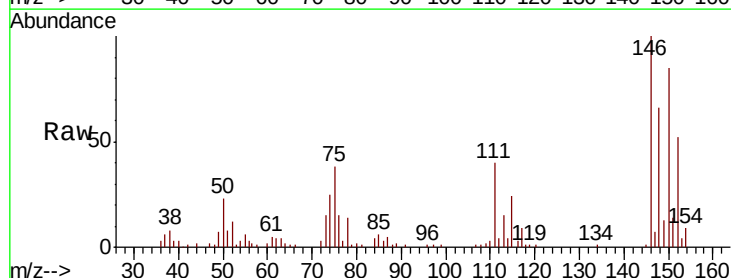
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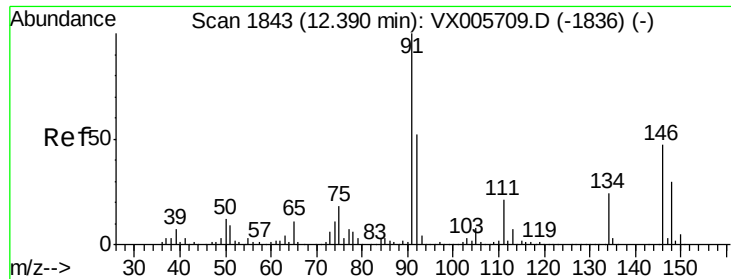
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#88
 1,4-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	18.6	55.8
148	64.4	32.1	96.3





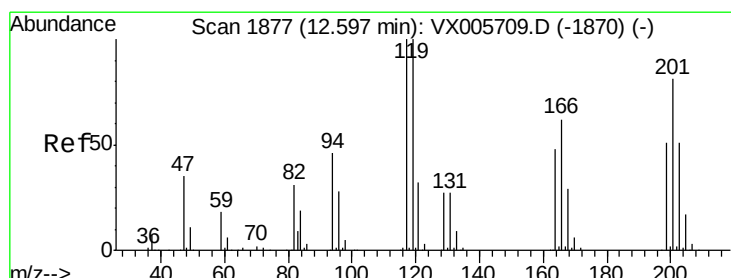
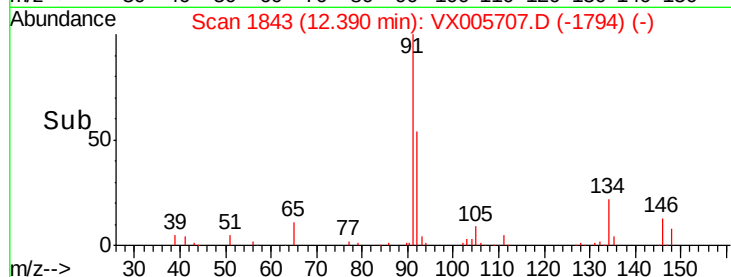
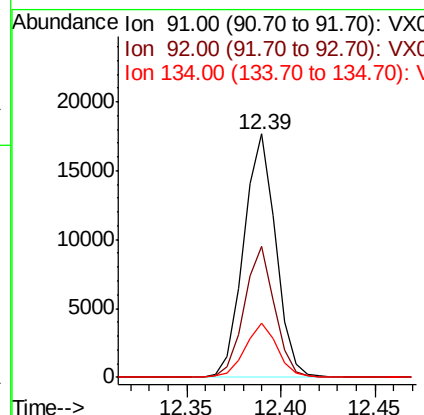
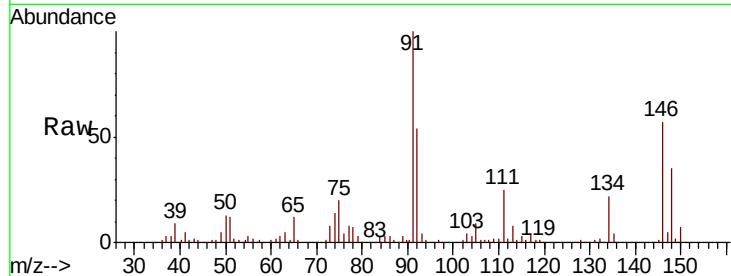
#89
n-Butylbenzene
Concen: 5.124 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	22.2	13.1	39.3

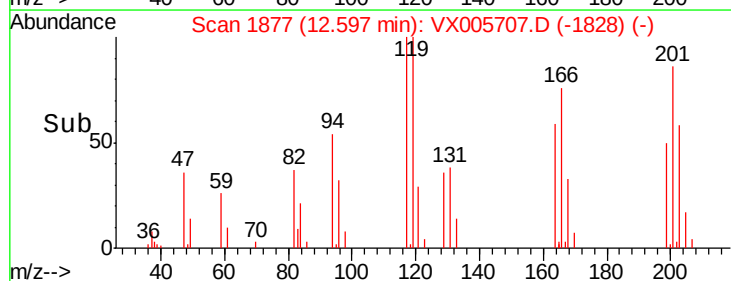
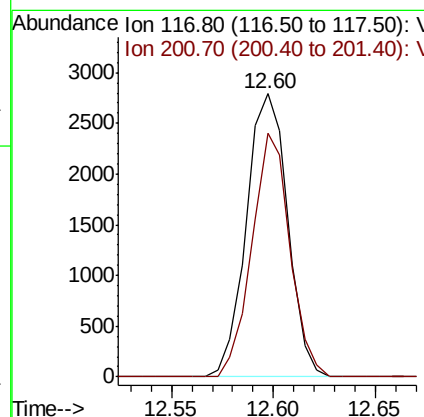
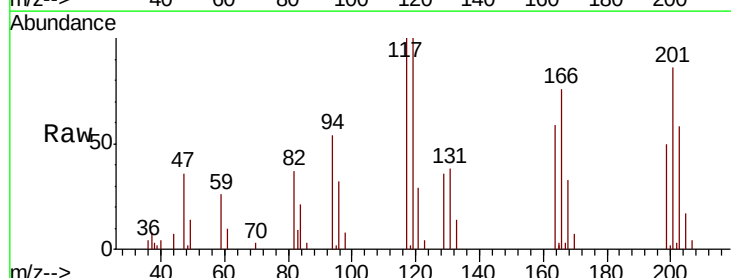
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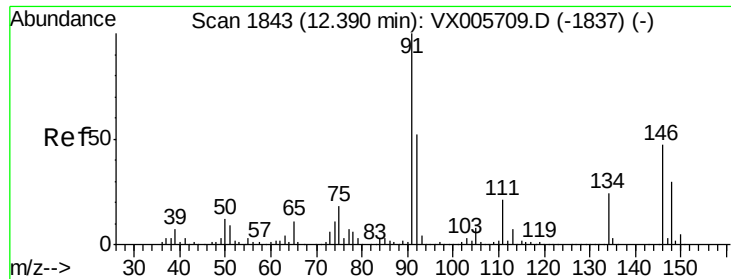
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#90
Hexachloroethane
Concen: 5.052 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	47.9	143.6





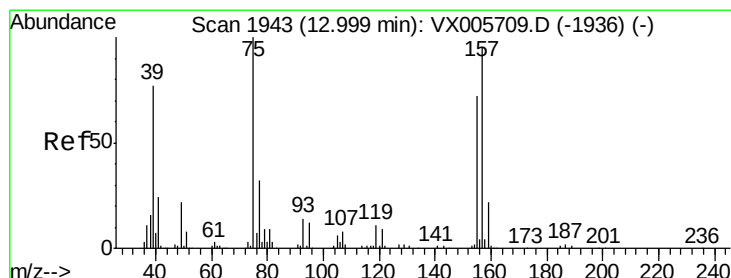
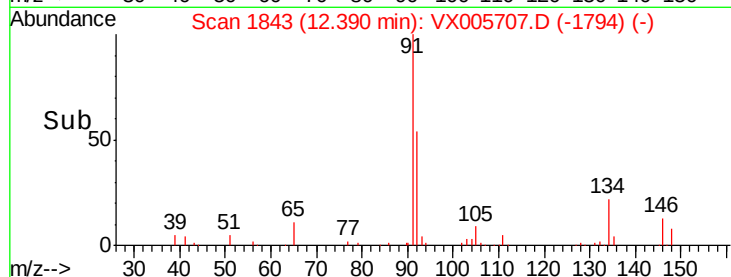
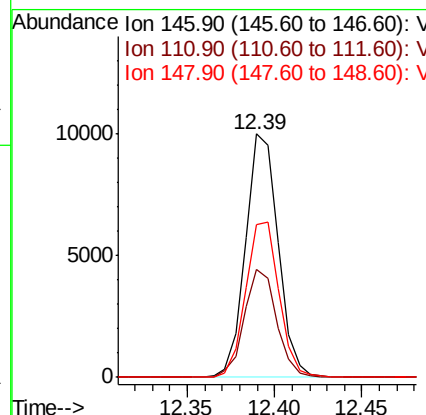
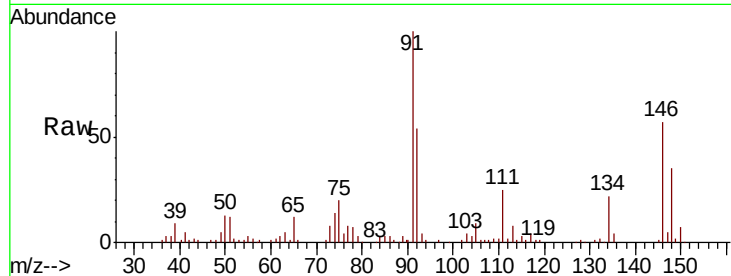
#91
 1,2-Dichlorobenzene
 Concen: 4.933 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.0	59.9
148	65.3	32.2	96.6

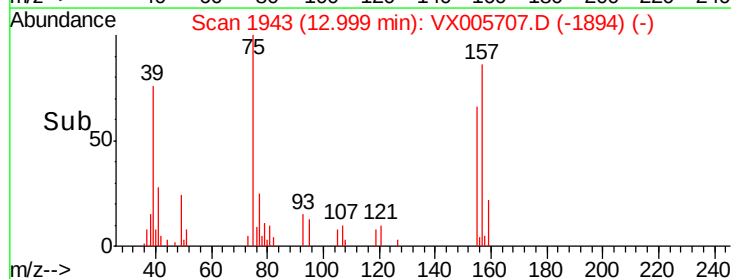
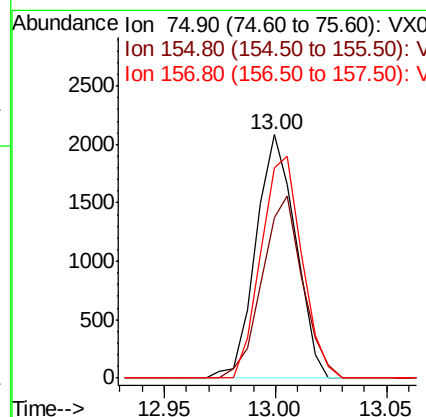
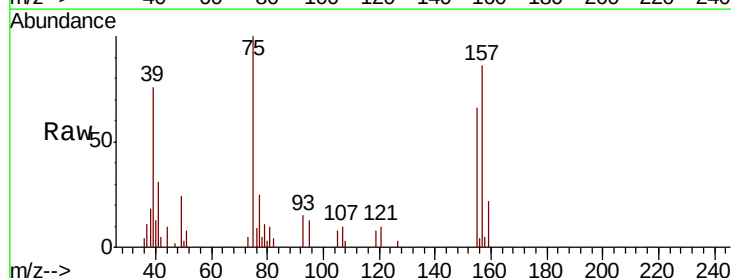
Manual Integrations
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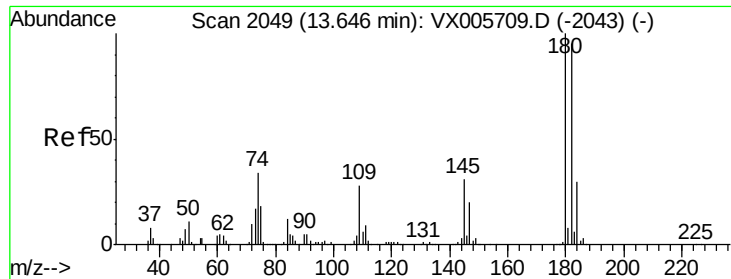
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 11/1/2018 9:48:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.858 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	45.4	136.1
157	93.9	57.4	172.0





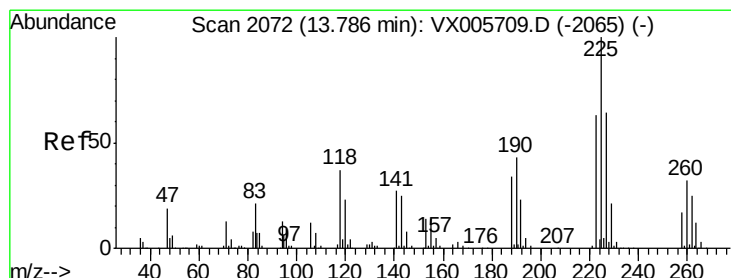
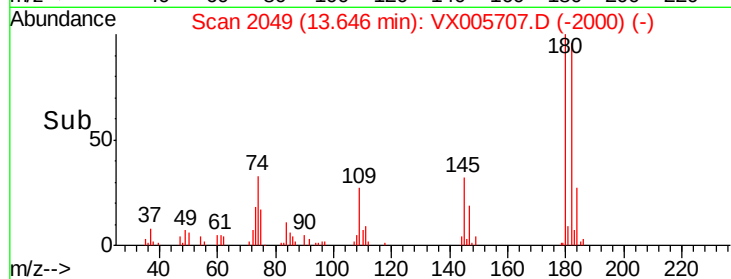
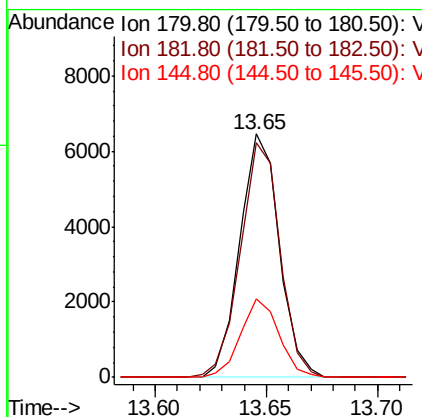
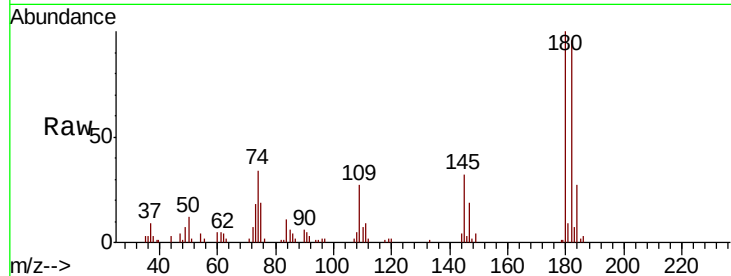
#93
 1,2,4-Trichlorobenzene
 Concen: 4.192 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.6	142.8
145	31.5	14.1	42.2

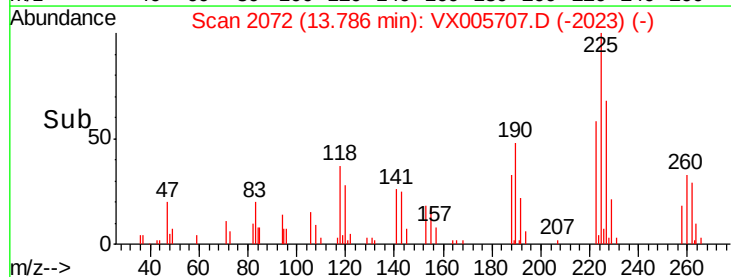
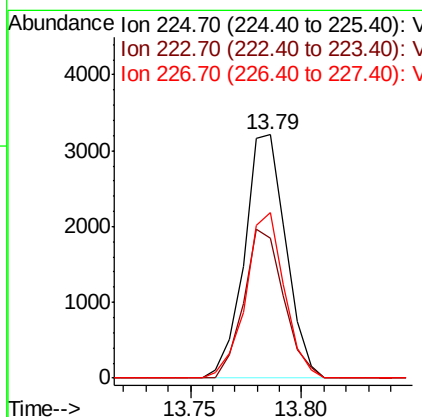
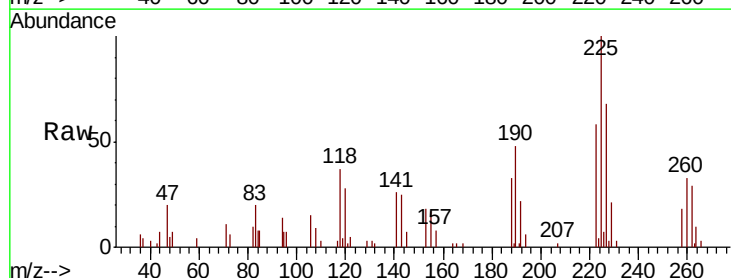
Manual Integrations
 APPROVED

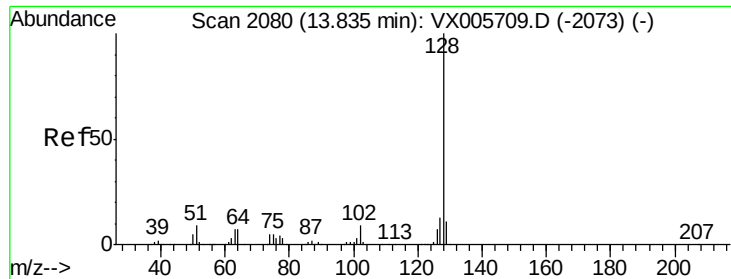
MMDadoda
 11/1/2018 9:48:59 AM



#94
 Hexachlorobutadiene
 Concen: 4.244 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005707.D
 Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	31.7	95.1
227	63.3	32.3	96.9





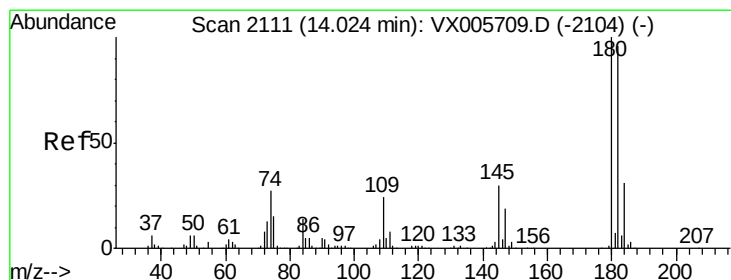
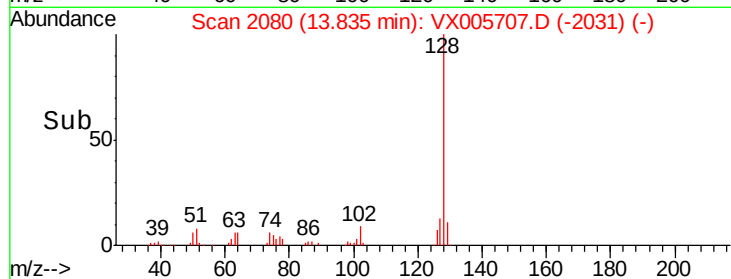
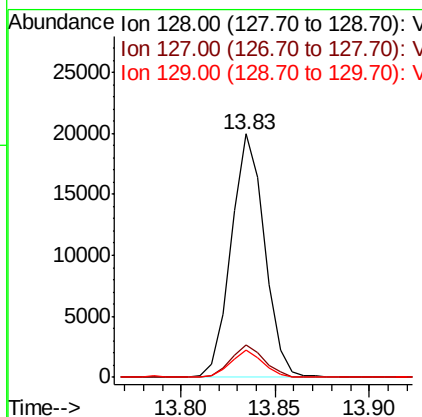
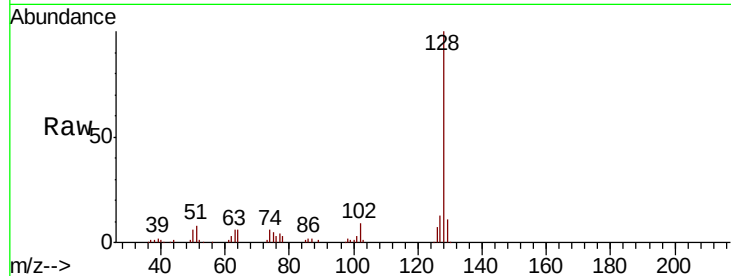
#95
Naphthalene
Concen: 4.433 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/1/2018 9:48:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.309 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005707.D
Acq: 31 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	48.0	144.2
145	33.7	15.1	45.3

