

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\
 Data File : VX005708.D
 Acq On : 31 Oct 2018 14:54
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:49:16 AM

Quant Time: Oct 31 15:56:55 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	5.67	168	116784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	184484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	36349	25.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.00%	
35) Dibromofluoromethane	5.50	113	26861	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
50) Toluene-d8	8.71	98	92466	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	
62) 4-Bromofluorobenzene	11.14	95	31482	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28686	24.886	ug/l	99
3) Chloromethane	1.32	50	31935	21.754	ug/l	97
4) Vinyl Chloride	1.41	62	32936	22.818	ug/l	99
5) Bromomethane	1.64	94	36639	40.793	ug/l	99
6) Chloroethane	1.71	64	20756	22.509	ug/l	98
7) Trichlorofluoromethane	1.93	101	40813	20.349	ug/l	97
8) Diethyl Ether	2.19	74	18027	22.522	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24176	21.009	ug/l	90
10) Methyl Iodide	2.51	142	20260	18.633	ug/l	100
11) Tert butyl alcohol	3.07	59	45258	117.977	ug/l	100
12) 1,1-Dichloroethene	2.37	96	24010	21.902	ug/l	98
13) Acrolein	2.29	56	31739	162.193	ug/l	98
14) Allyl chloride	2.73	41	49446	20.210	ug/l	94
15) Acrylonitrile	3.15	53	96639	112.343	ug/l	99
16) Acetone	2.45	43	92053	122.201	ug/l	98
17) Carbon Disulfide	2.57	76	72522	21.702	ug/l	96
18) Methyl Acetate	2.78	43	46404	21.990	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	84190	21.529	ug/l	97
20) Methylene Chloride	2.85	84	27865	22.086	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	25291	21.130	ug/l	94
22) Diisopropyl ether	3.87	45	90960	21.290	ug/l #	95
23) Vinyl Acetate	3.82	43	403372	107.199	ug/l	99
24) 1,1-Dichloroethane	3.70	63	53074	22.848	ug/l	98
25) 2-Butanone	4.70	43	136926	119.366	ug/l	99
26) 2,2-Dichloropropane	4.59	77	38714	21.587	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	28989	22.465	ug/l	94
28) Bromochloromethane	5.02	49	26819	23.871	ug/l	93
29) Tetrahydrofuran	5.15	42	87341	116.998	ug/l	96
30) Chloroform	5.21	83	50141	23.076	ug/l	89
31) Cyclohexane	5.57	56	43492	22.629	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	41414	21.595	ug/l	96
36) 1,1-Dichloropropene	5.80	75	37009	20.672	ug/l	98
37) Ethyl Acetate	4.87	43	49738	21.771	ug/l	98
38) Carbon Tetrachloride	5.78	117	34688	18.396	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38705	19.578	ug/l	95
40) Benzene	6.14	78	114795	22.368	ug/l	98
41) Methacrylonitrile	5.06	41	26810	21.067	ug/l	98
42) 1,2-Dichloroethane	6.19	62	42831	21.968	ug/l	98
43) Isopropyl Acetate	6.46	43	71642	20.926	ug/l	99
44) Trichloroethene	7.22	130	25686	18.372	ug/l	89
45) 1,2-Dichloropropane	7.52	63	28715	20.811	ug/l	99
46) Dibromomethane	7.66	93	18078	20.286	ug/l	88
47) Bromodichloromethane	7.90	83	33929	19.616	ug/l #	97
48) Methyl methacrylate	7.77	41	33861	20.303	ug/l	96
49) 1,4-Dioxane	7.76	88	15577	427.383	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	240894	104.699	ug/l	98
52) Toluene	8.79	92	61806	19.815	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	37999	20.328	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	41208	20.475	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26372	20.054	ug/l	97
56) Ethyl methacrylate	9.18	69	39707	20.243	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46862	21.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	118673	108.327	ug/l	94
59) 2-Hexanone	9.49	43	193349	106.582	ug/l	98
60) Dibromochloromethane	9.59	129	25020	18.236	ug/l	98
61) 1,2-Dibromoethane	9.67	107	26556	19.520	ug/l	100
64) Tetrachloroethene	9.34	164	23759	17.081	ug/l	96
65) Chlorobenzene	10.14	112	67295	18.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22971	17.656	ug/l	96
67) Ethyl Benzene	10.25	91	116771	19.891	ug/l	97
68) m/p-Xylenes	10.36	106	88244	38.744	ug/l	94
69) o-Xylene	10.70	106	42478	19.823	ug/l	97
70) Styrene	10.71	104	71749	20.002	ug/l	98
71) Bromoform	10.86	173	17462	15.041	ug/l #	96
73) Isopropylbenzene	11.02	105	114623	21.553	ug/l	100
74) N-amyl acetate	10.90	43	58562	22.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	44077	22.465	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	42997m	23.325	ug/l	
77) Bromobenzene	11.26	156	28008	18.897	ug/l	87
78) n-propylbenzene	11.36	91	140366	23.082	ug/l	97
79) 2-Chlorotoluene	11.42	91	82384	21.849	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	97972	21.535	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12459	22.085	ug/l	92
82) 4-Chlorotoluene	11.51	91	98281	22.105	ug/l	95
83) tert-Butylbenzene	11.77	119	92033	20.294	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	102038	22.130	ug/l	96
85) sec-Butylbenzene	11.94	105	119015	21.993	ug/l	97
86) p-Isopropyltoluene	12.07	119	100063	20.685	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	52356	18.785	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	53906	18.529	ug/l	96
89) n-Butylbenzene	12.39	91	96685	22.139	ug/l	96
90) Hexachloroethane	12.60	117	16760	20.088	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	53796	19.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10750	22.660	ug/l	85

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MSVOA_X
ClientSampleId :
VSTDICC020

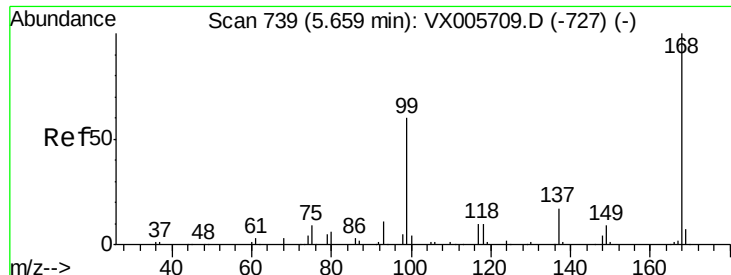
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35312	17.275	ug/l	99
94) Hexachlorobutadiene	13.79	225	16795	15.855	ug/l	97
95) Naphthalene	13.83	128	120701	20.314	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	36550	17.639	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 116784

Ion Ratio Lower Upper

168 100

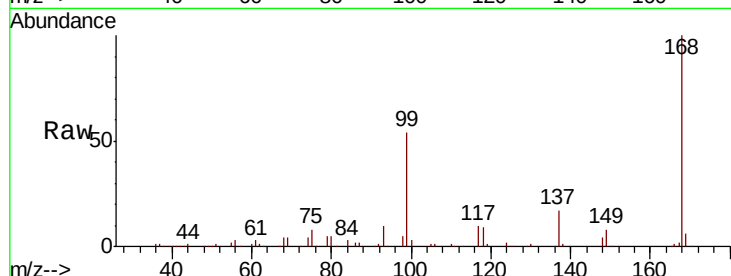
99 54.3 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

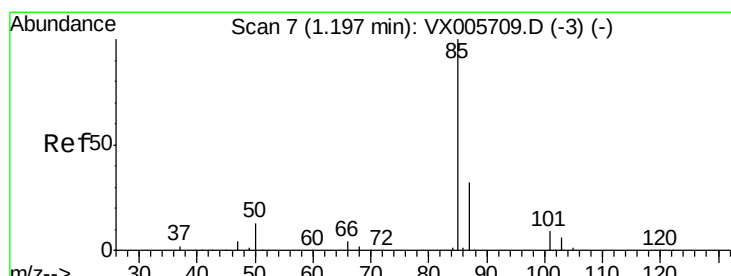
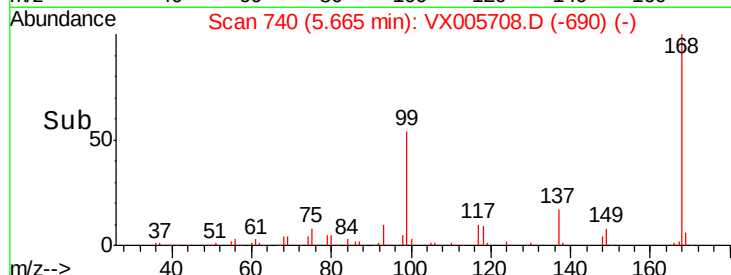
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 24.886 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005708.D

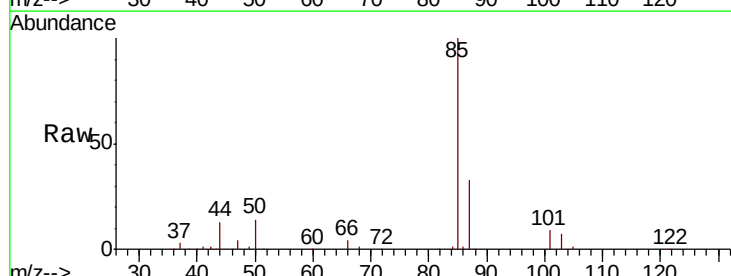
Acq: 31 Oct 2018 14:54

Tgt Ion: 85 Resp: 28686

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

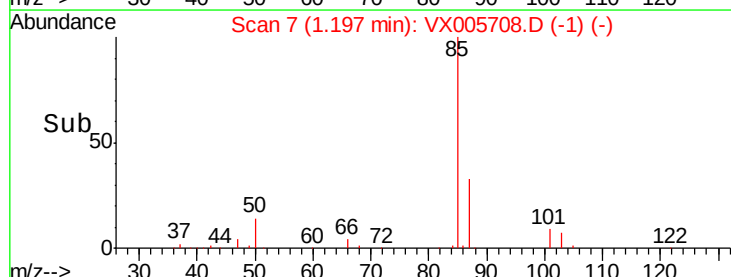
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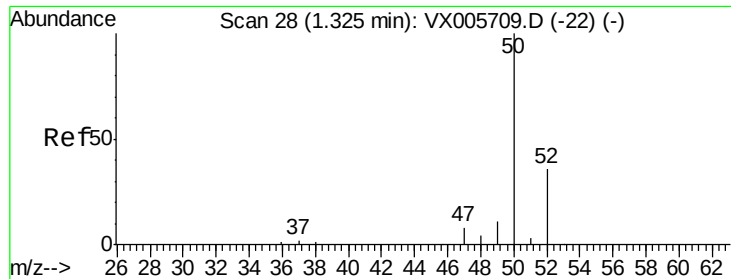
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.754 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tot Ion: 50 Resp: 31935

Ion Ratio Lower Upper

50 100

52 30.8 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

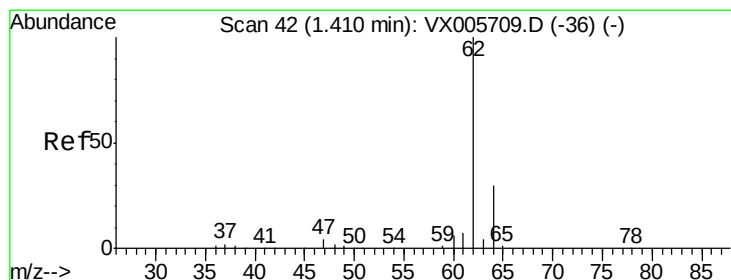
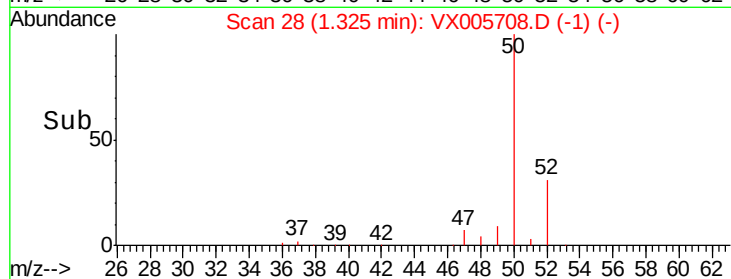
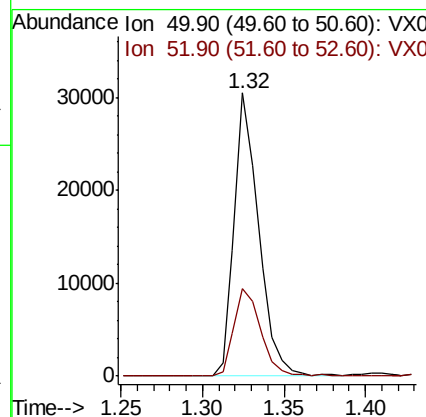
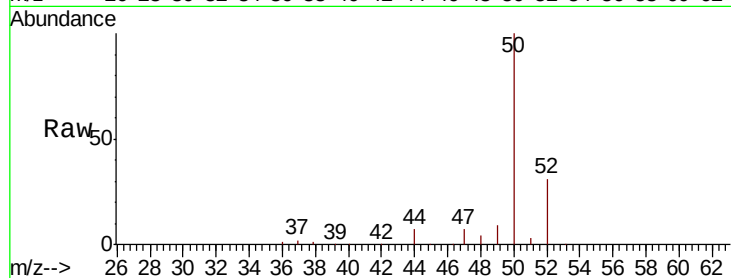
VSTDIC020

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#4

Vinyl Chloride

Concen: 22.818 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX005708.D

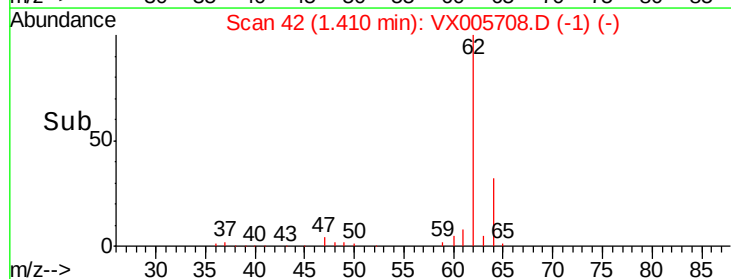
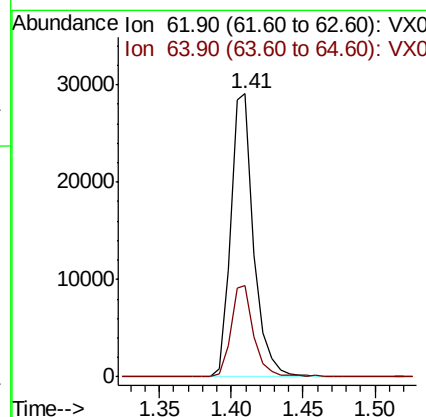
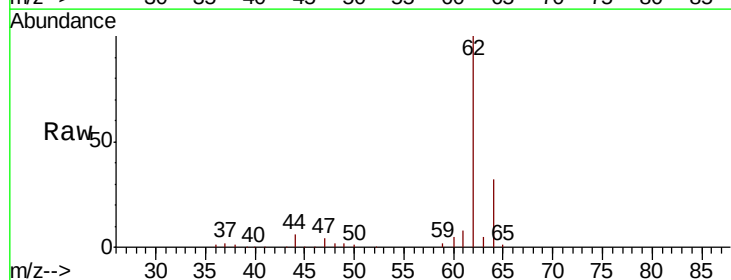
Acq: 31 Oct 2018 14:54

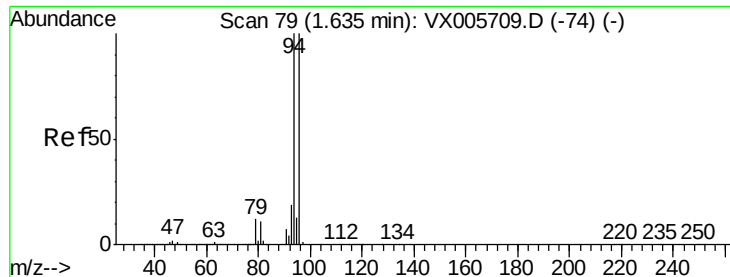
Tgt Ion: 62 Resp: 32936

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 40.793 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 36639

Ion Ratio Lower Upper

94 100

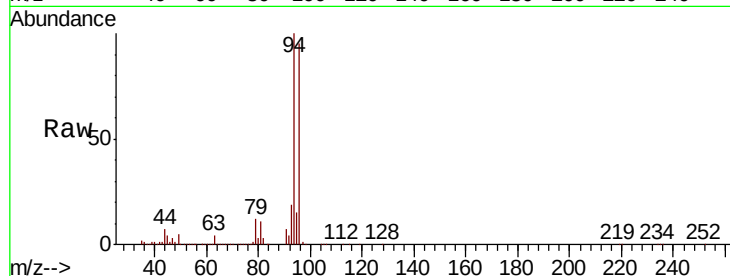
96 95.3 75.2 112.8

Manual Integrations

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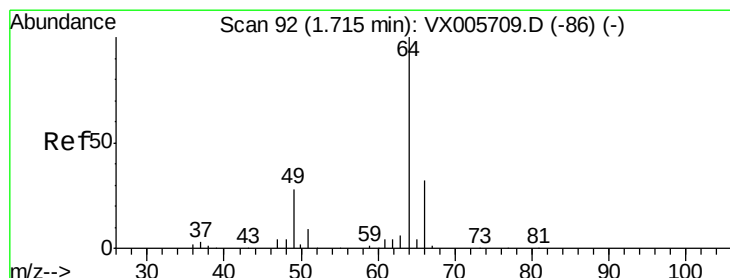
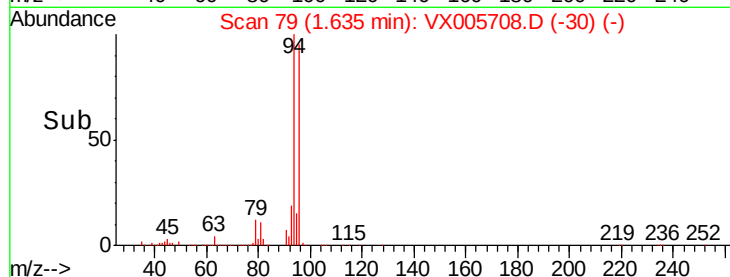
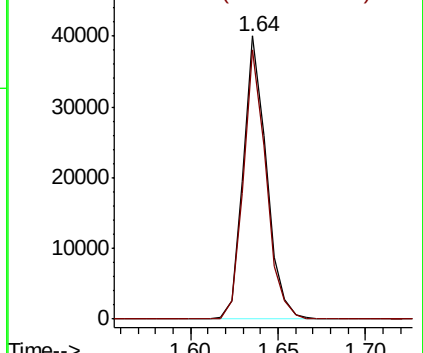
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.509 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005708.D

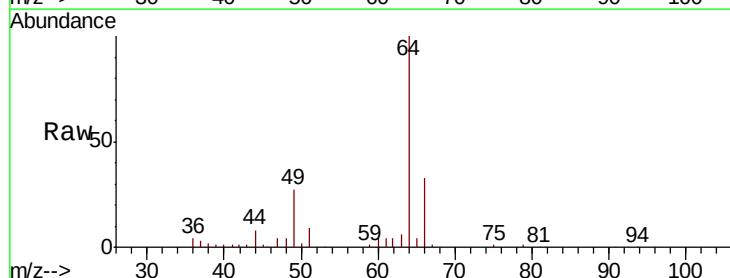
Acq: 31 Oct 2018 14:54

Tgt Ion: 64 Resp: 20756

Ion Ratio Lower Upper

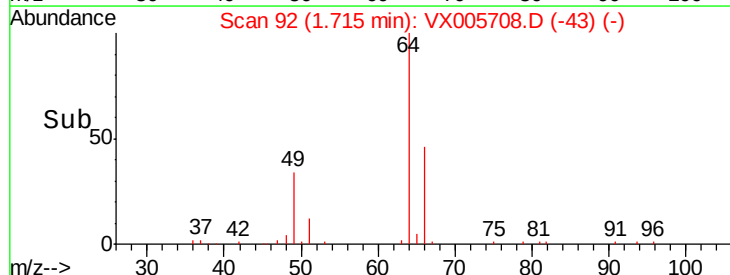
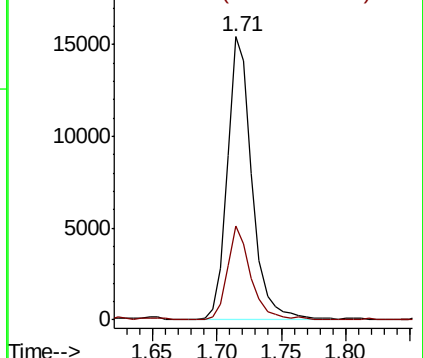
64 100

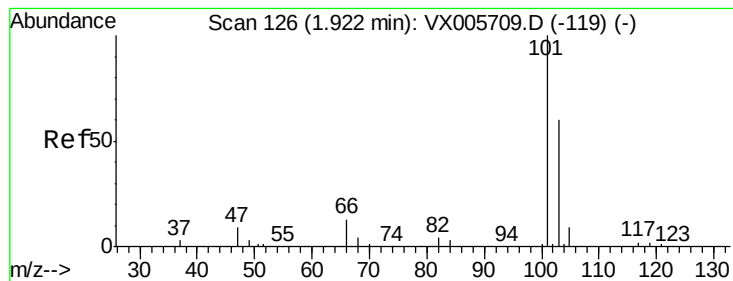
66 33.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

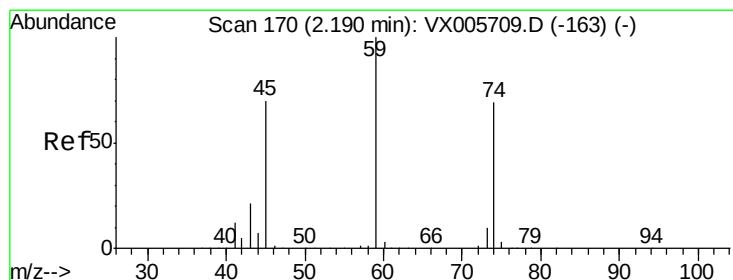
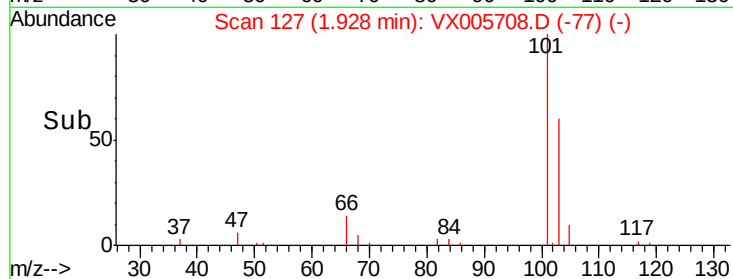
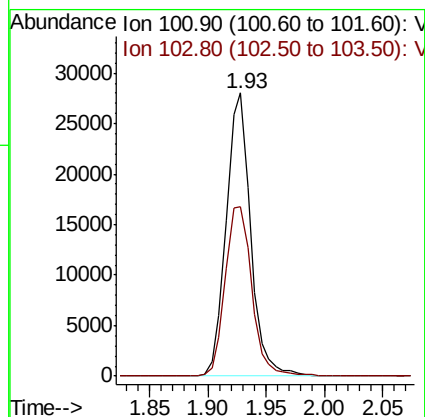
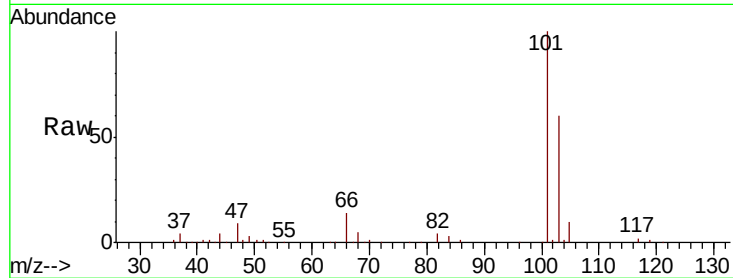
Trichlorofluoromethane
 Concen: 20.349 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	50.0	75.0

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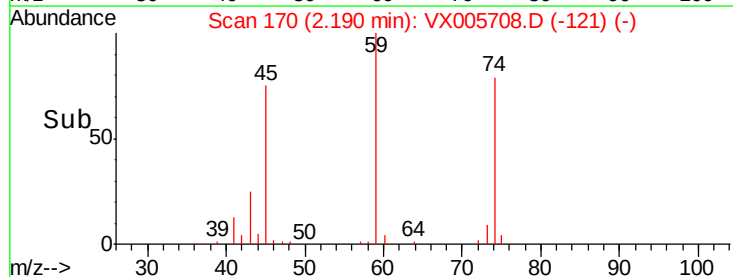
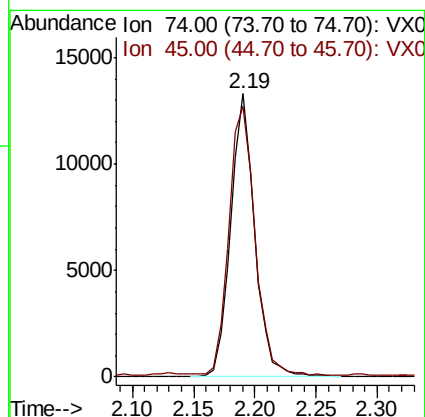
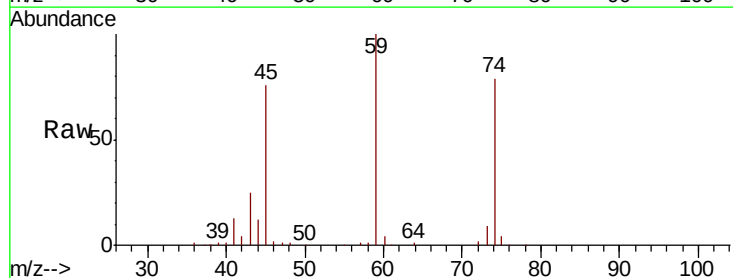
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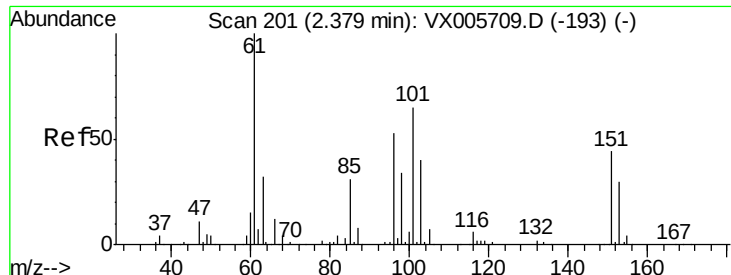


#8

Diethyl Ether
 Concen: 22.522 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.009 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

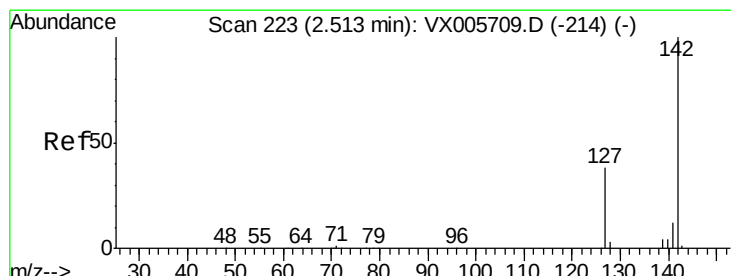
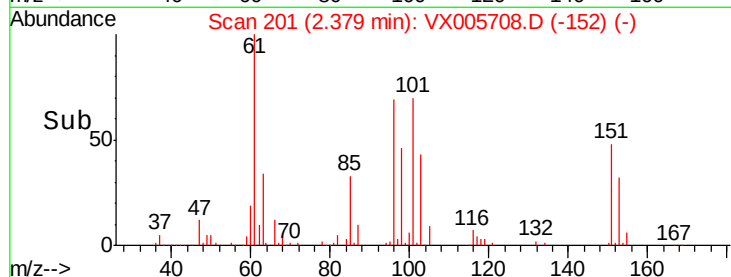
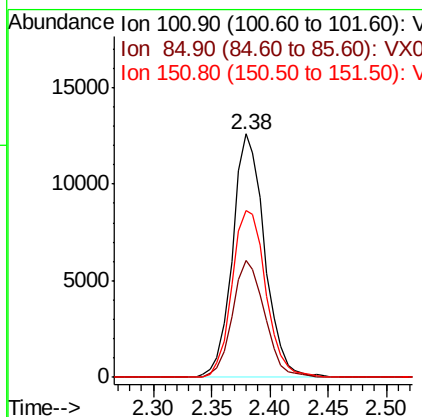
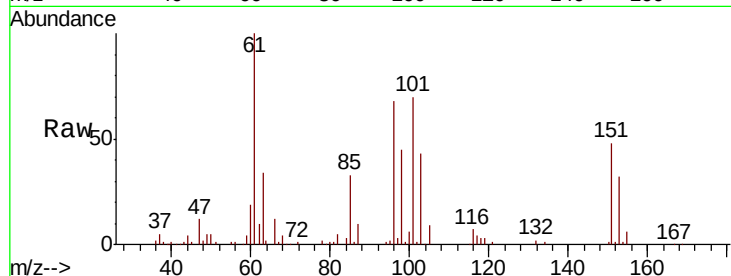
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	24176
Ion Ratio	Lower	Upper	
101	100		
85	48.2	35.0	52.4
151	72.4	66.2	99.2

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#10

Methyl Iodide

Concen: 18.633 ug/l

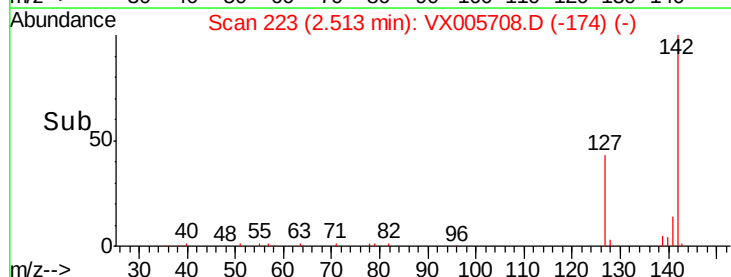
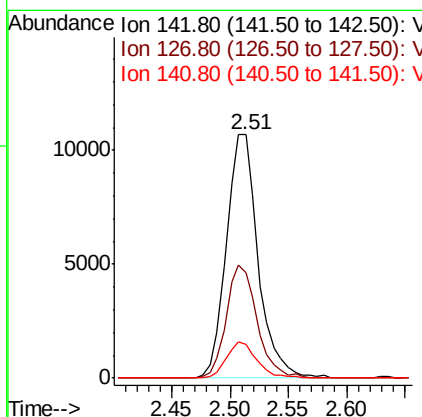
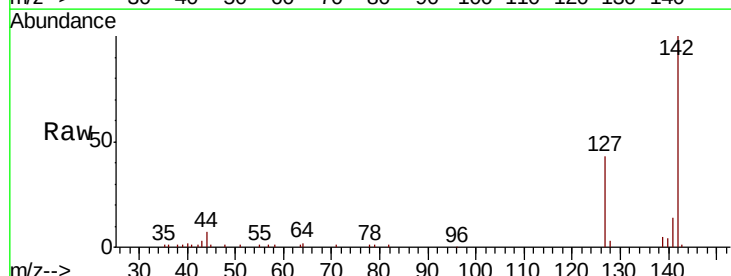
RT: 2.51 min Scan# 223

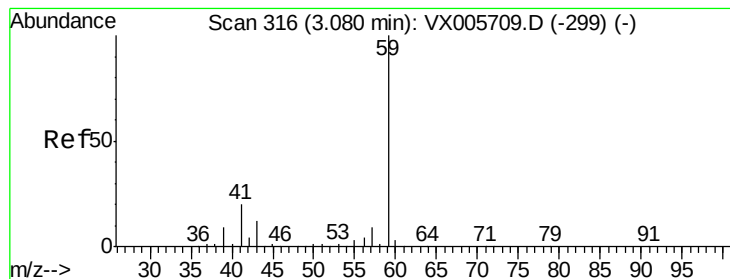
Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	142	Resp:	20260
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.0	54.0
141	14.1	11.7	17.5





#11

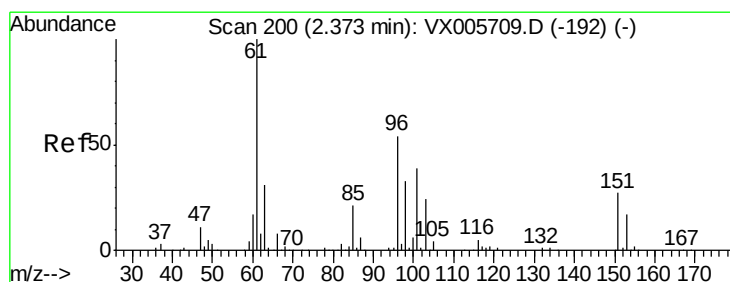
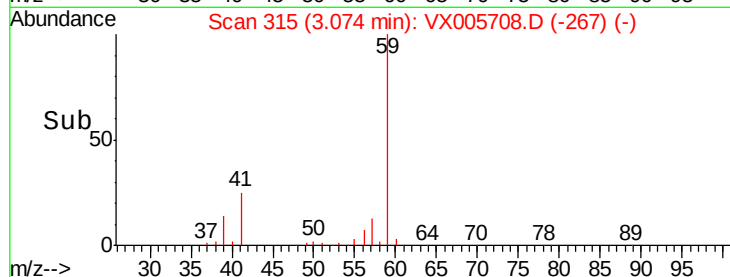
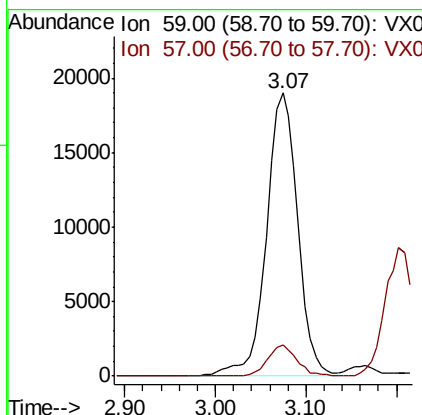
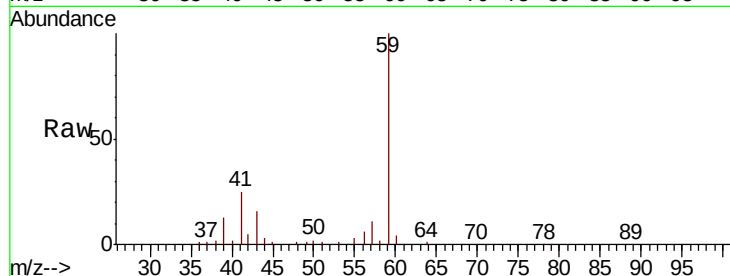
Tert butyl alcohol
Concen: 117.977 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	59	57	Ratio	100	10.4	Resp	45258	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.4	Resp	45258	Lower	8.5	Upper	12.7

Manual Integrations
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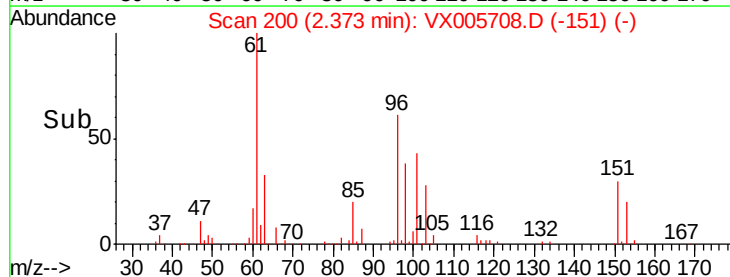
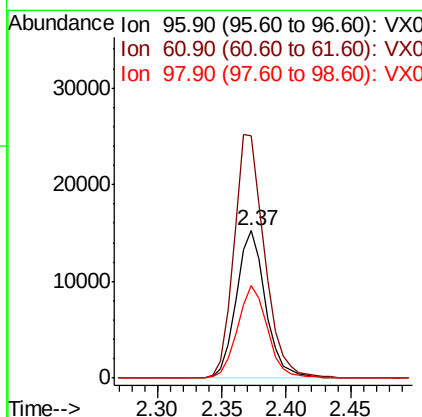
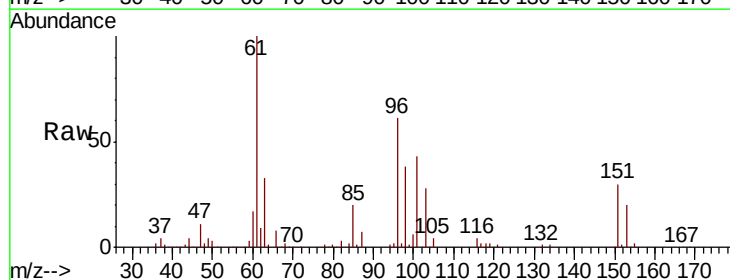
MMDadoda
11/1/2018 9:49:16 AM

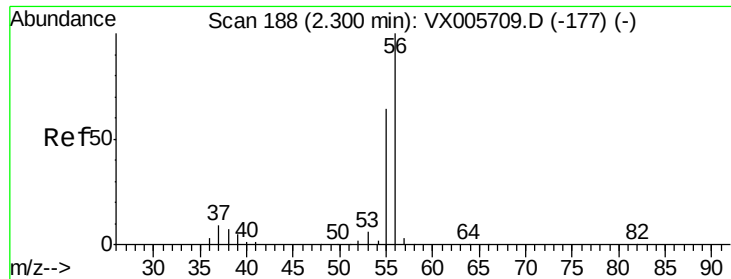


#12

1,1-Dichloroethene
Concen: 21.902 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	96	61	98	Ratio	100	164.1	63.1	Resp	24010	Lower	131.8	53.4	Upper	197.8	80.2
Ion	96	61	98	Ratio	100	164.1	63.1	Resp	24010	Lower	131.8	53.4	Upper	197.8	80.2





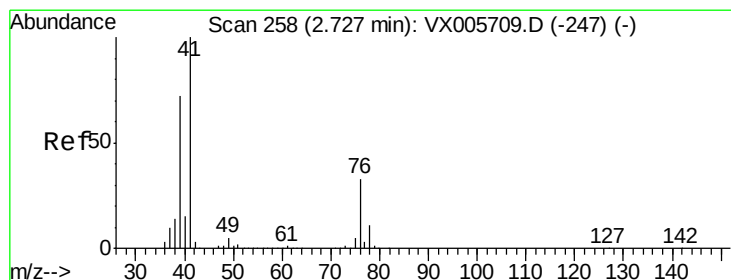
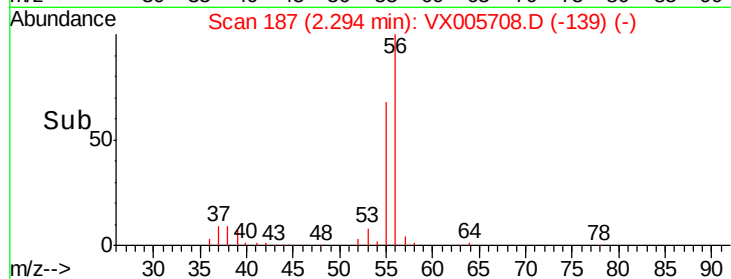
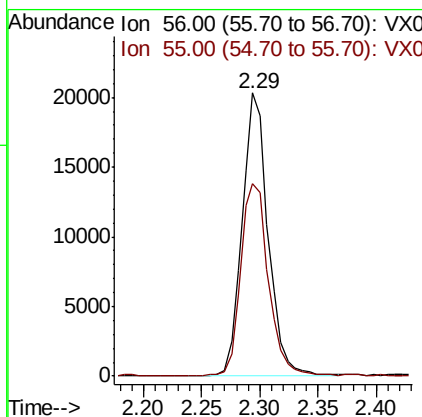
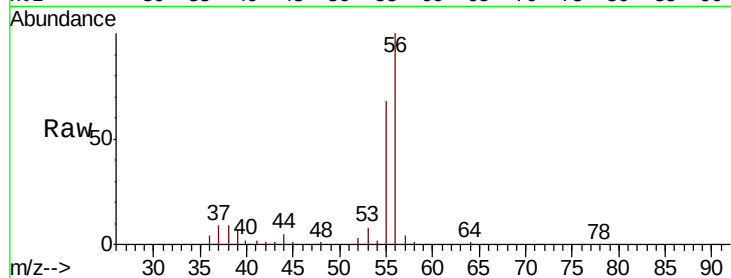
#13
Acrolein
Concen: 162.193 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.3	85.9

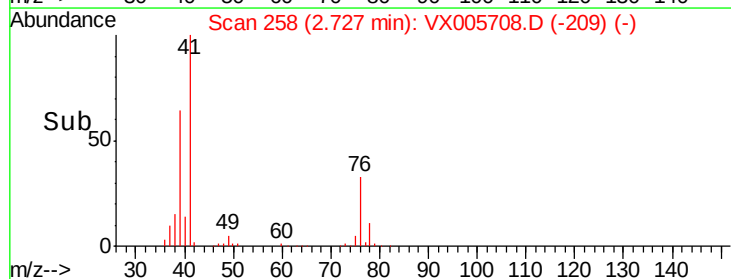
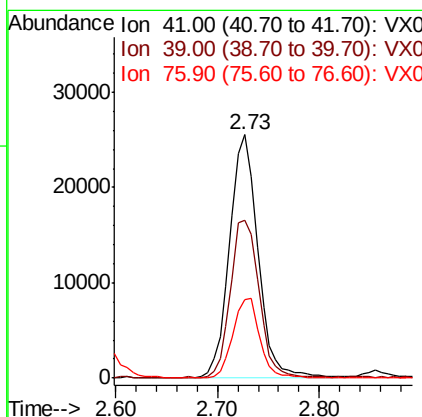
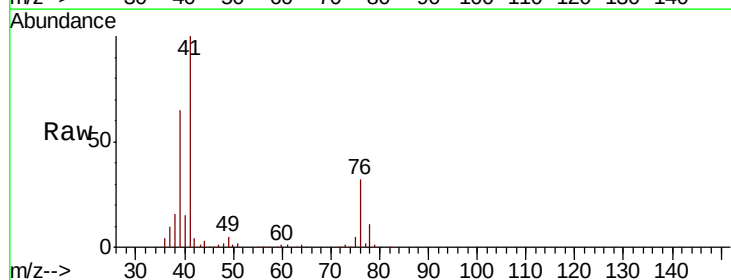
Manual Integrations
APPROVED

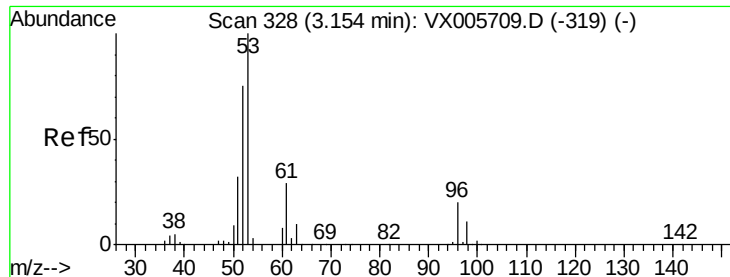
MMDadoda
11/1/2018 9:49:16 AM



#14
Allyl chloride
Concen: 20.210 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	48.2	72.4
76	30.8	21.9	32.9





#15

Acrylonitrile

Concen: 112.343 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

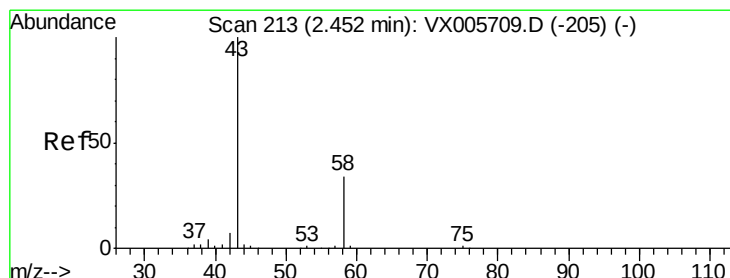
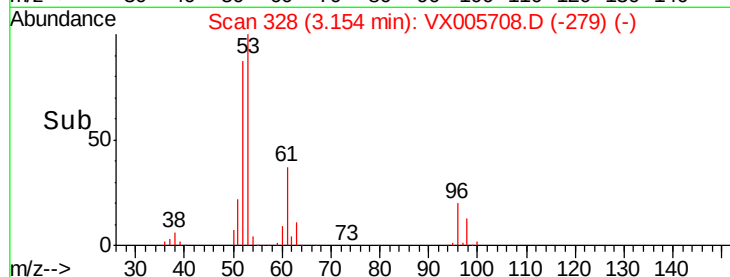
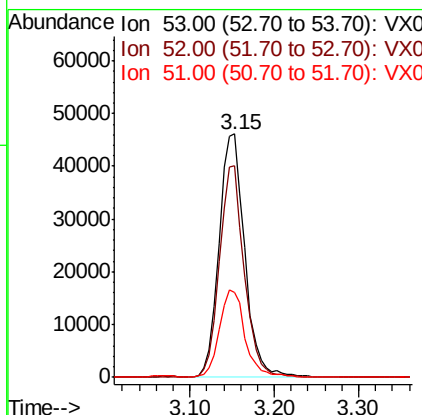
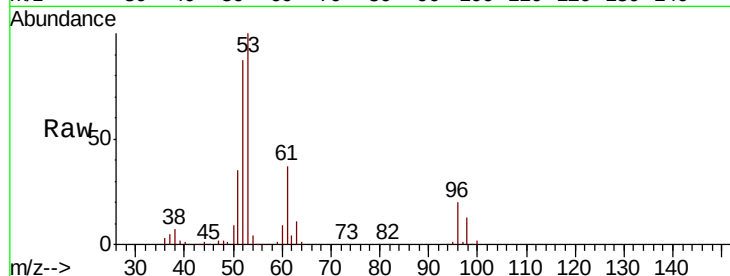
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	96639
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	99.8
51	36.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 122.201 ug/l

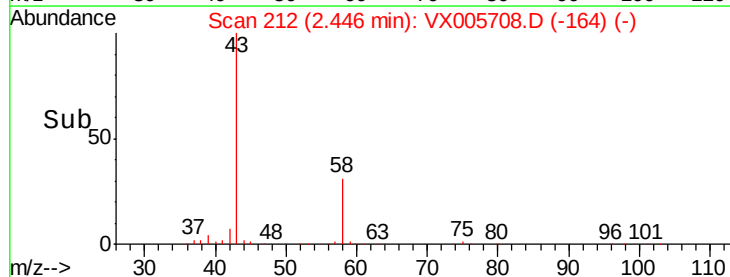
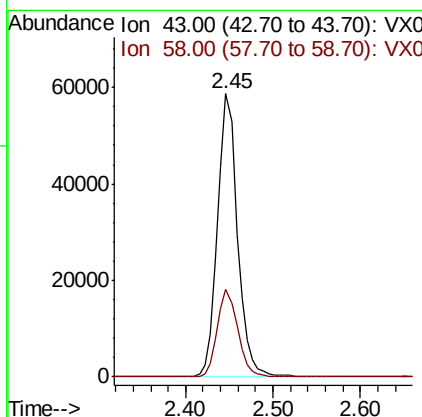
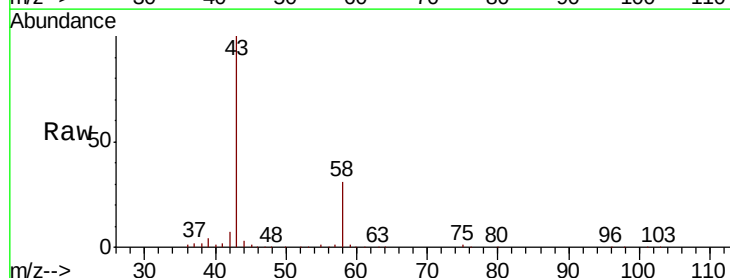
RT: 2.45 min Scan# 212

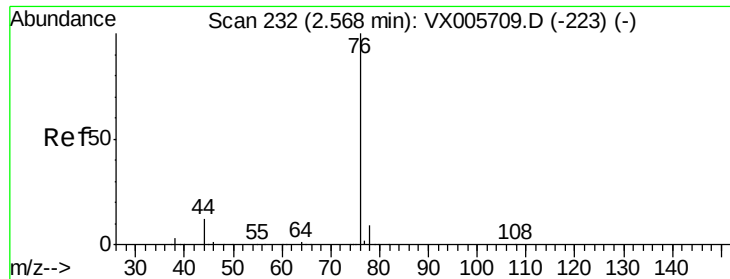
Delta R.T. -0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	43	Resp:	92053
Ion Ratio	Lower	Upper	
43	100		
58	30.9	23.8	35.6





#17

Carbon Disulfide

Concen: 21.702 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 72522

Ion Ratio Lower Upper

76 100

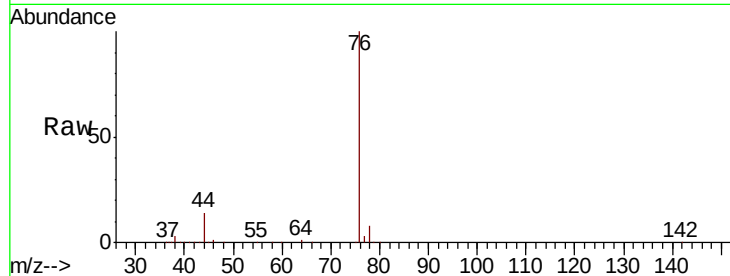
78 7.7 7.3 10.9

Manual Integrations

APPROVED

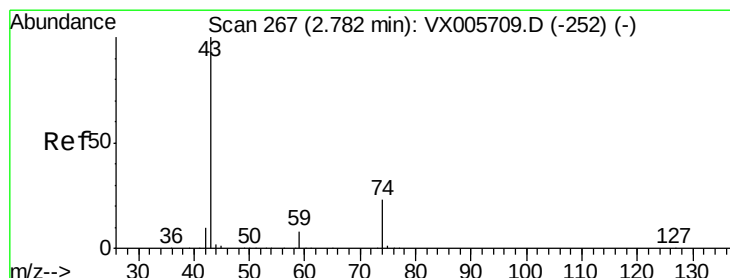
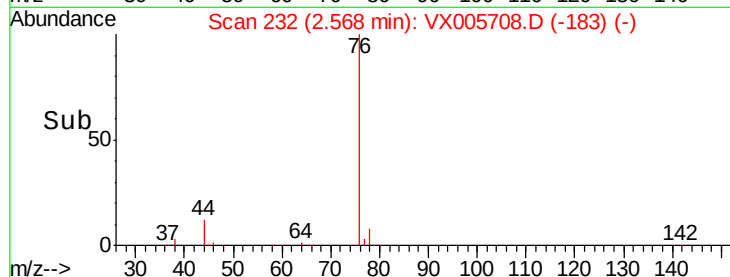
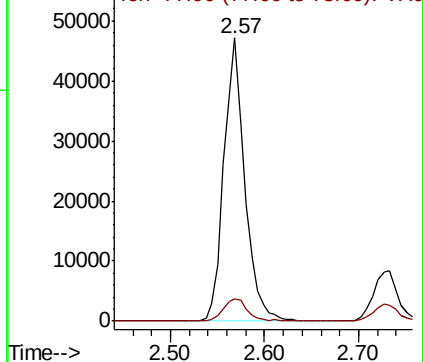
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.990 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005708.D

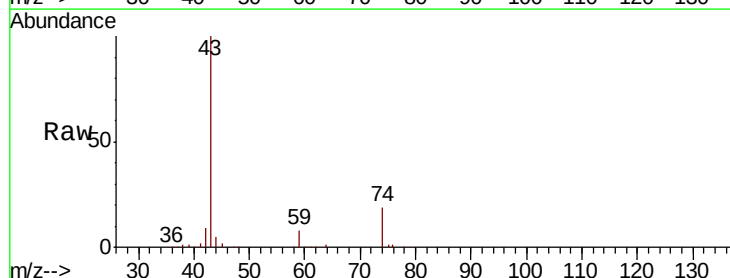
Acq: 31 Oct 2018 14:54

Tgt Ion: 43 Resp: 46404

Ion Ratio Lower Upper

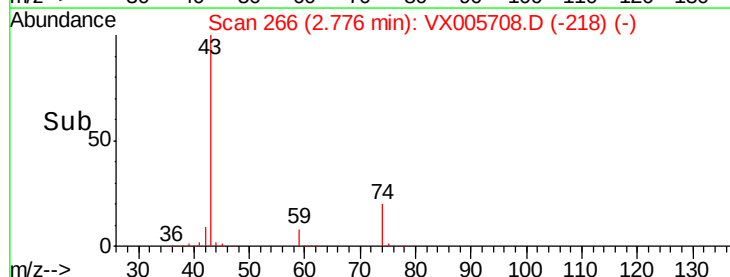
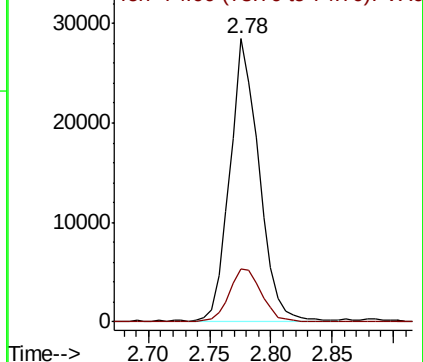
43 100

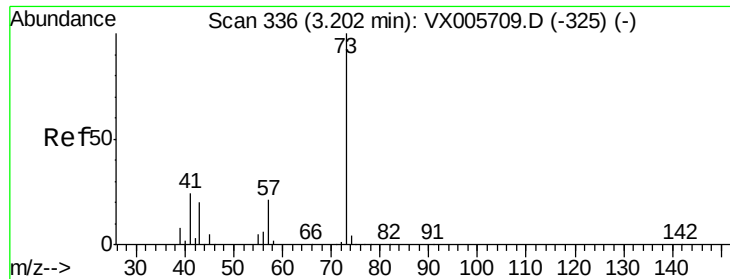
74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





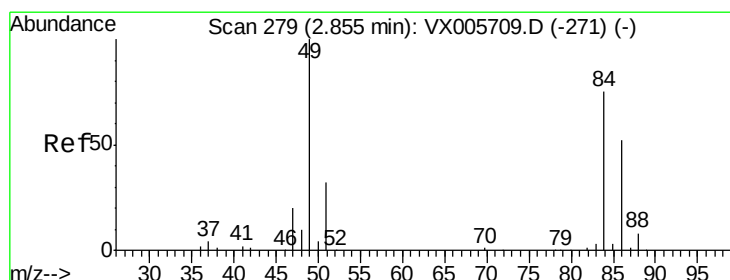
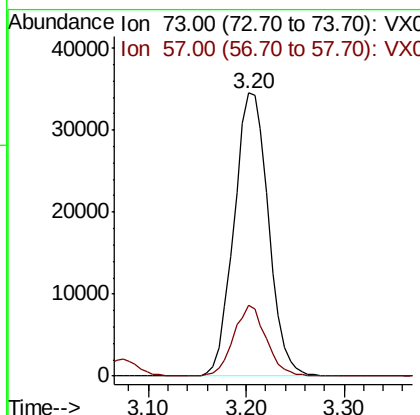
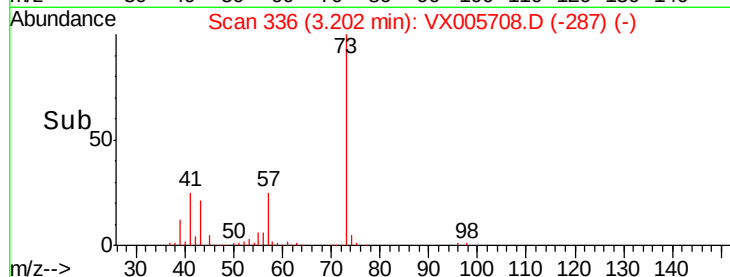
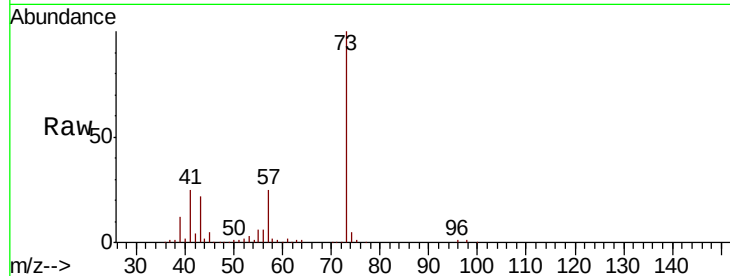
#19
Methyl tert-butyl Ether
Concen: 21.529 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	18.8	28.2

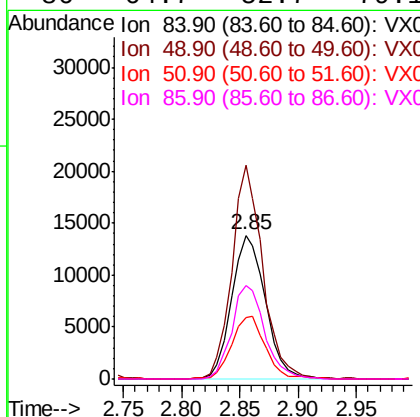
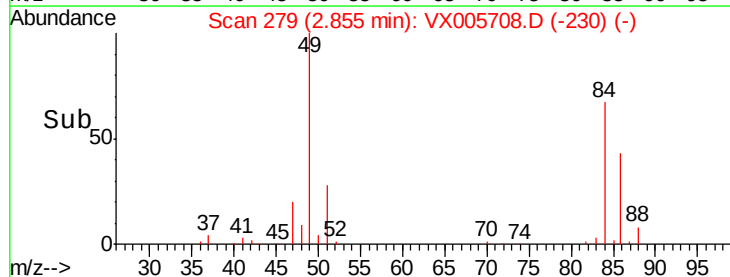
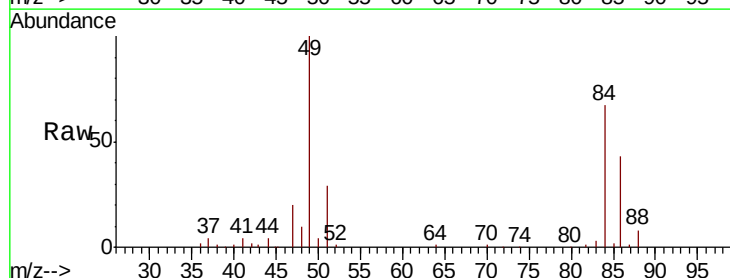
Manual Integrations
APPROVED

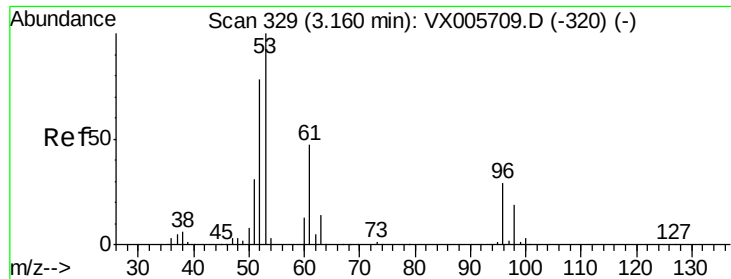
MMDadoda
11/1/2018 9:49:16 AM



#20
Methylene Chloride
Concen: 22.086 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	109.5	164.3
51	42.7	33.3	49.9
86	64.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 21.130 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

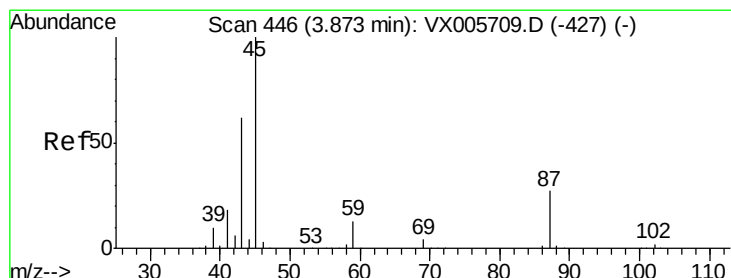
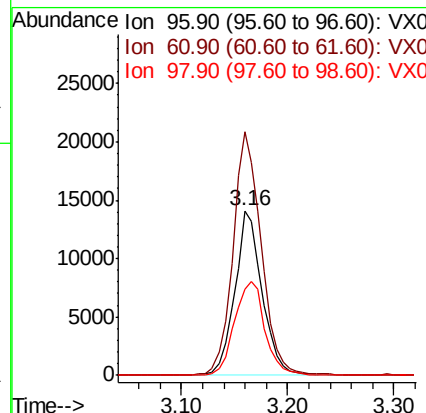
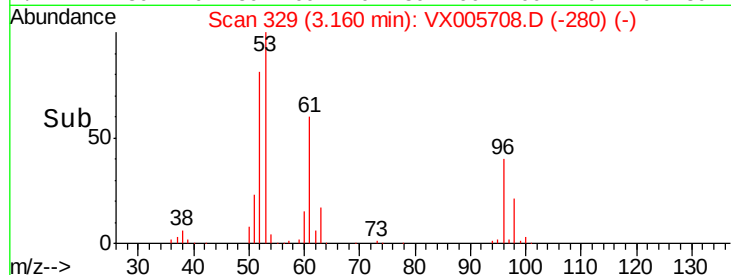
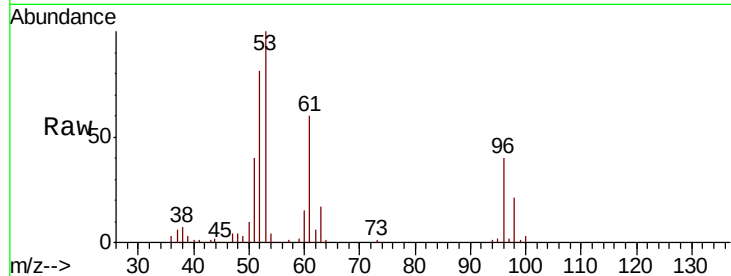
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	25291
Ion	Ratio	Lower	Upper
96	100		
61	148.1	115.6	173.4
98	52.8	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.290 ug/l

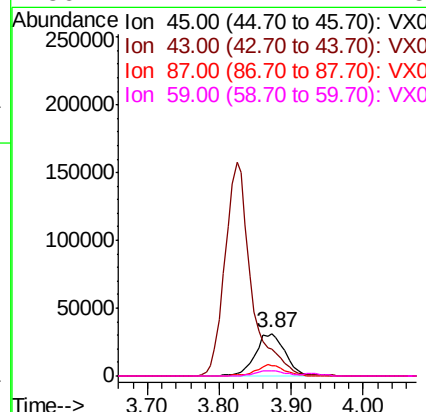
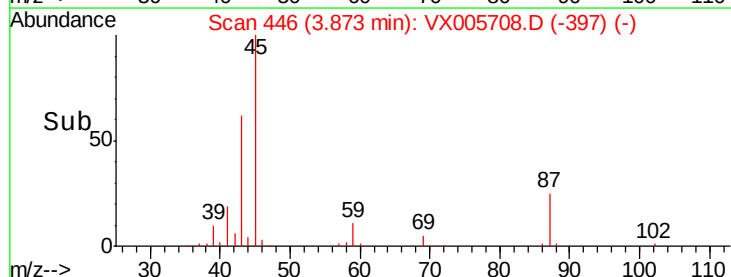
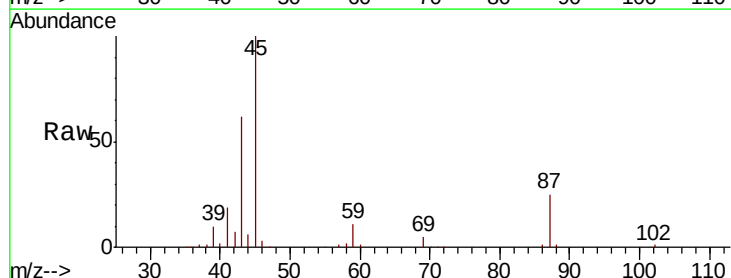
RT: 3.87 min Scan# 446

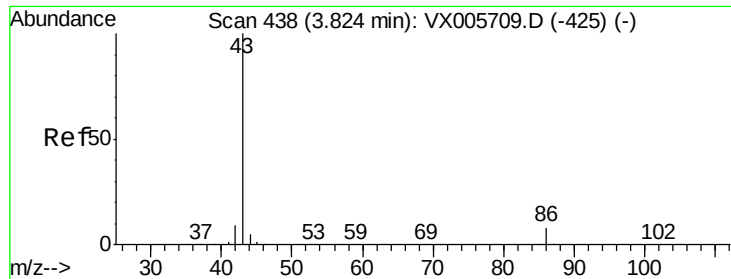
Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	45	Resp:	90960
Ion	Ratio	Lower	Upper
45	100		
43	62.0	47.4	71.2
87	25.3	15.9	23.9
59	11.1	7.7	11.5





#23

Vinyl Acetate

Concen: 107.199 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 403372

Ion Ratio Lower Upper

43 100

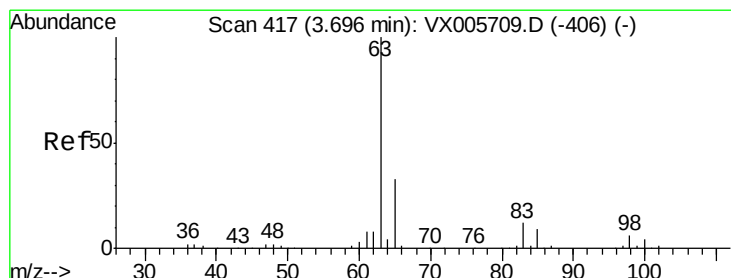
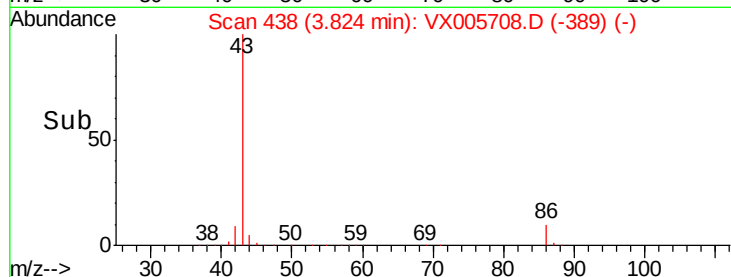
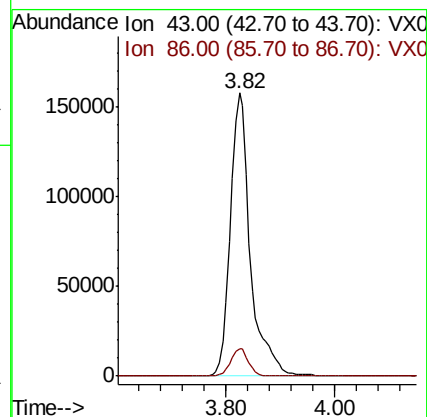
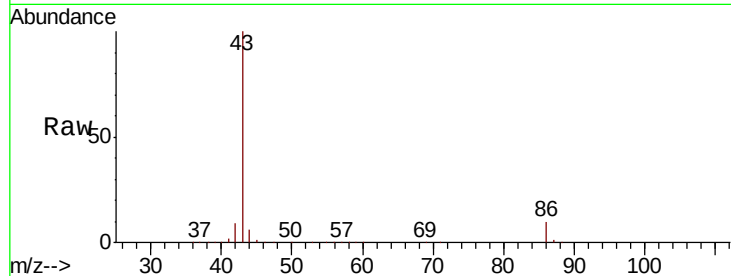
86 9.6 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.848 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

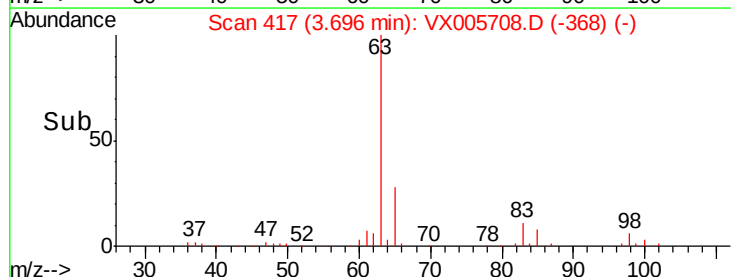
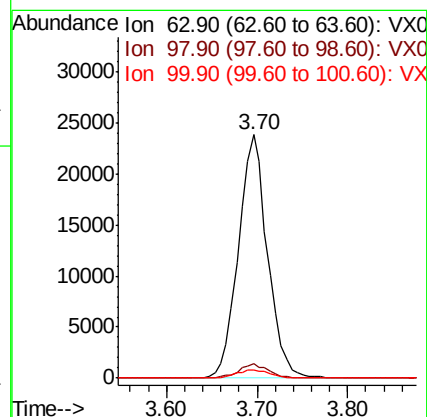
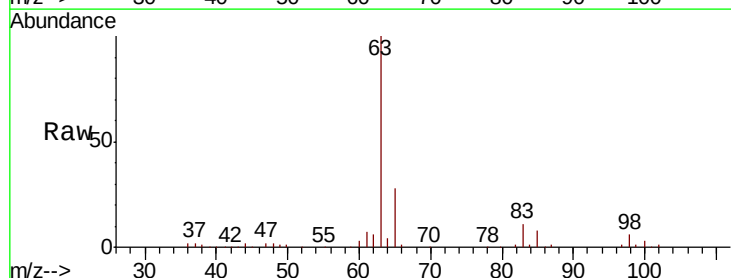
Tgt Ion: 63 Resp: 53074

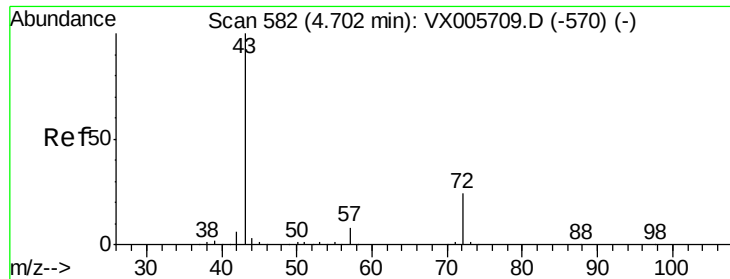
Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

100 3.3 2.1 6.2





#25

2-Butanone

Concen: 119.366 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 136926

Ion Ratio Lower Upper

43 100

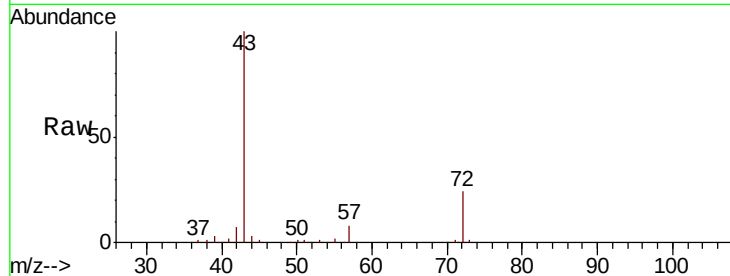
72 24.3 19.2 28.8

Manual Integrations

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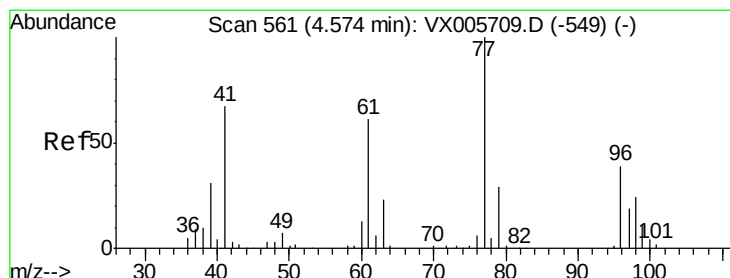
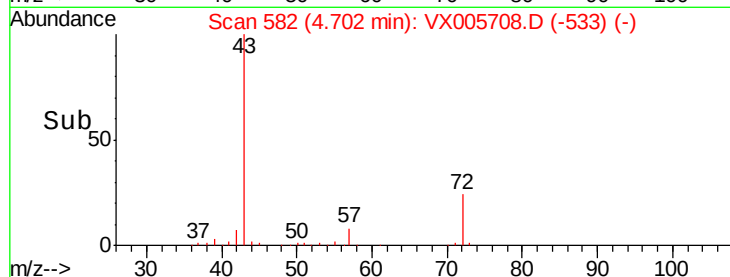
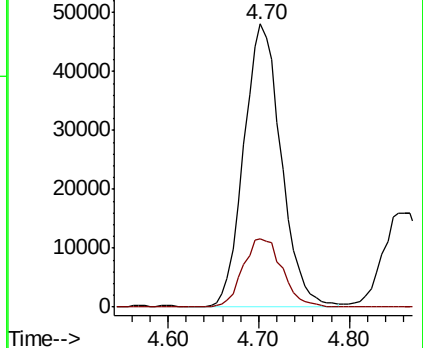
MMDadoda

11/1/2018 9:49:16 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: 21.587 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005708.D

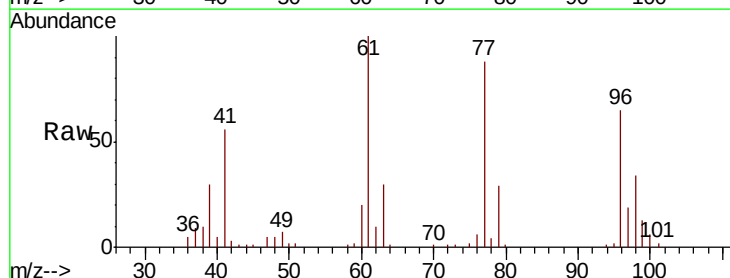
Acq: 31 Oct 2018 14:54

Tgt Ion: 77 Resp: 38714

Ion Ratio Lower Upper

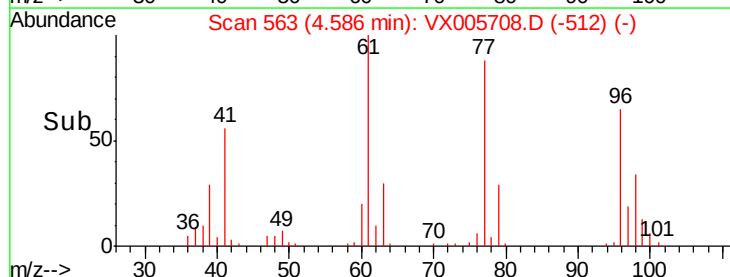
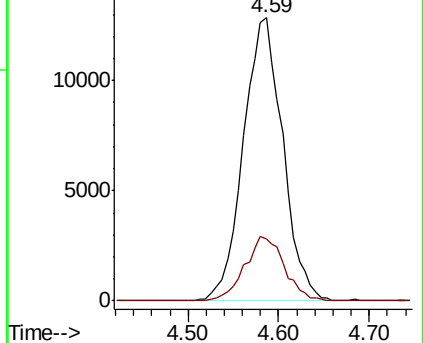
77 100

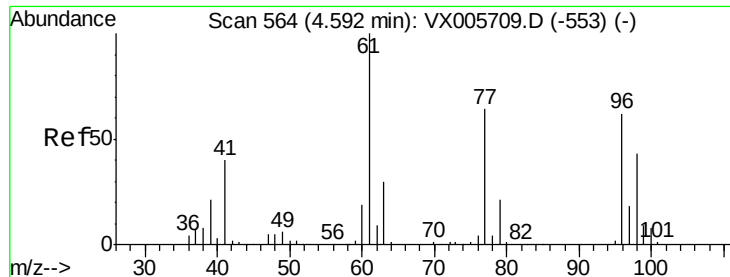
97 22.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

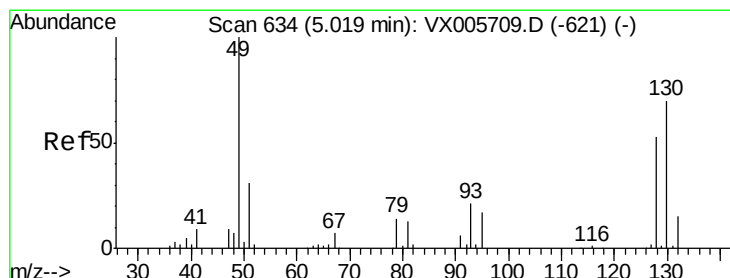
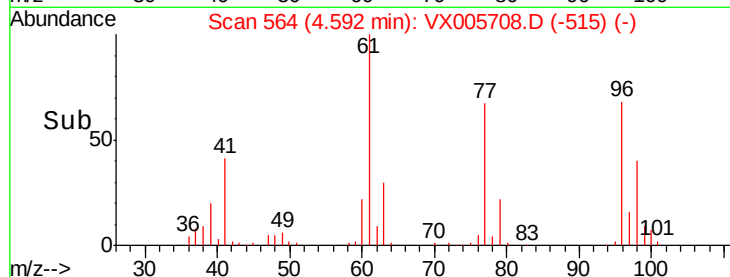
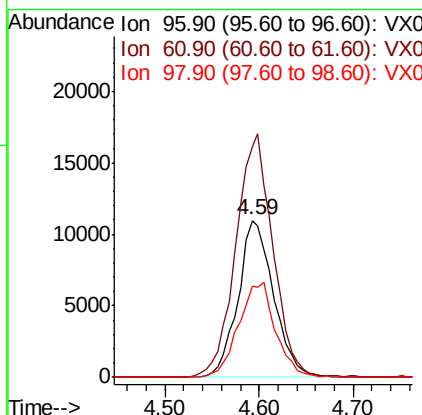
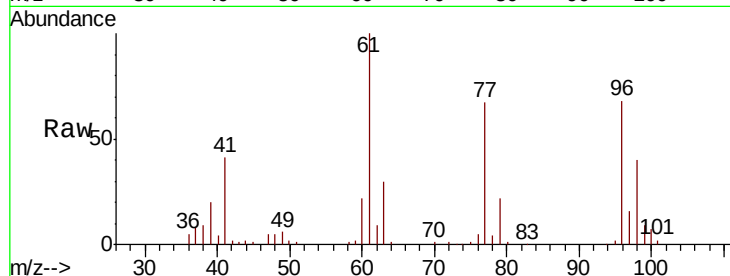
cis-1,2-Dichloroethene
Concen: 22.465 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	304.6
98	62.9	0.0	127.4

Manual Integrations
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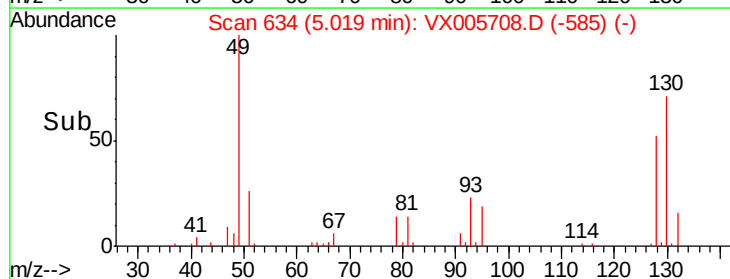
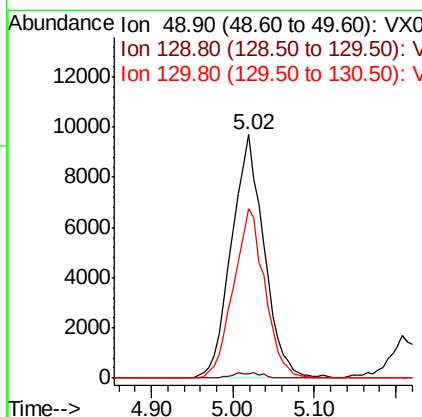
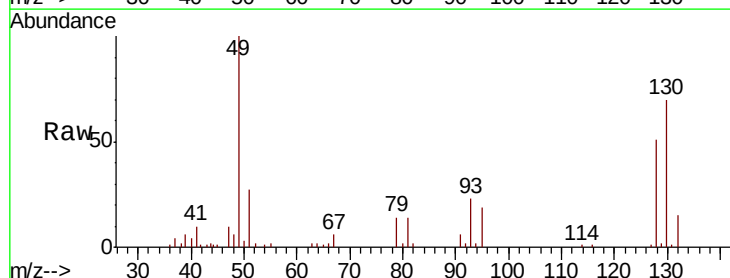
MMDadoda
11/1/2018 9:49:16 AM

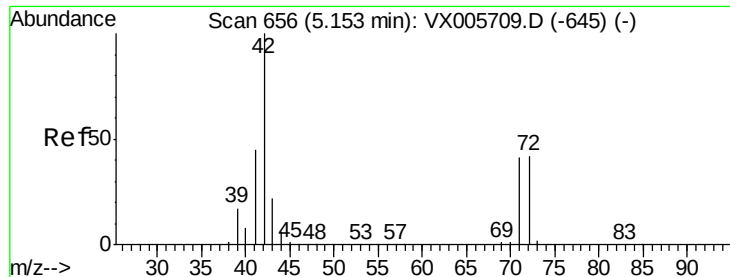


#28

Bromochloromethane
Concen: 23.871 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	67.2	58.9	88.3





#29

Tetrahydrofuran

Concen: 116.998 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

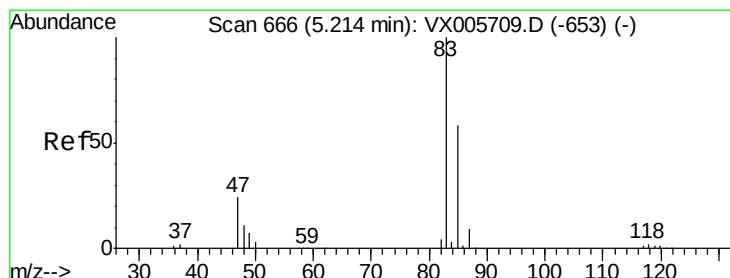
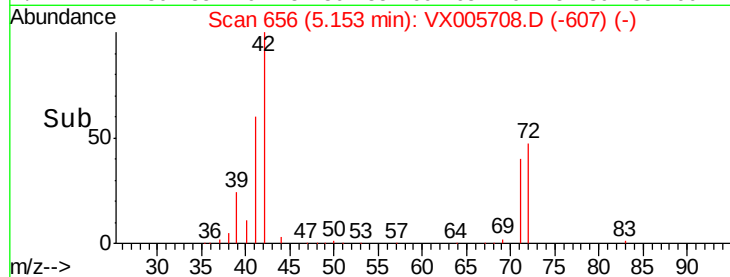
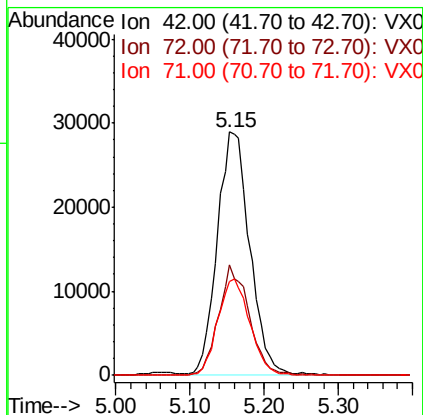
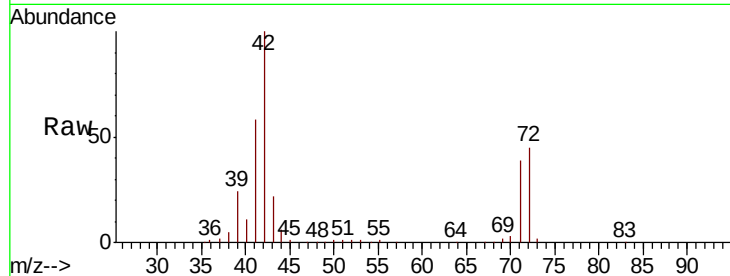
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	87341
Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.0	48.0
71	39.2	29.8	44.8

Manual Integrations
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#30

Chloroform

Concen: 23.076 ug/l

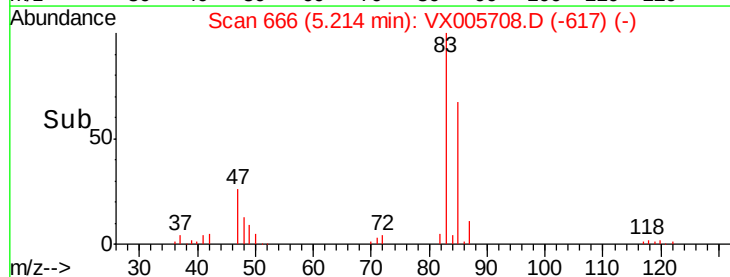
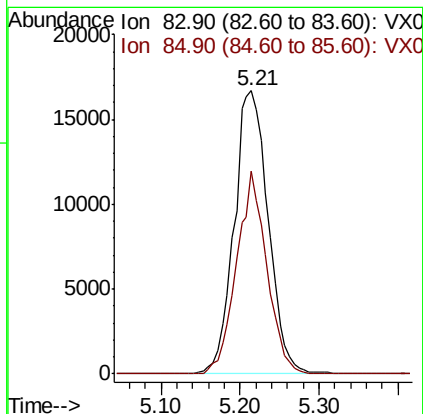
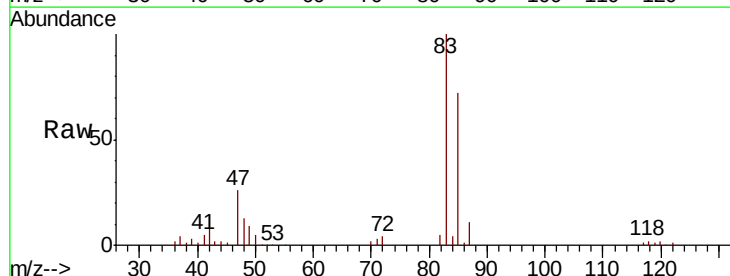
RT: 5.21 min Scan# 666

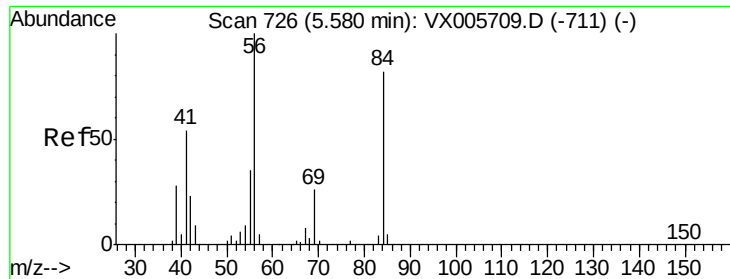
Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	83	Resp:	50141
Ion	Ratio	Lower	Upper
83	100		
85	71.6	50.6	76.0





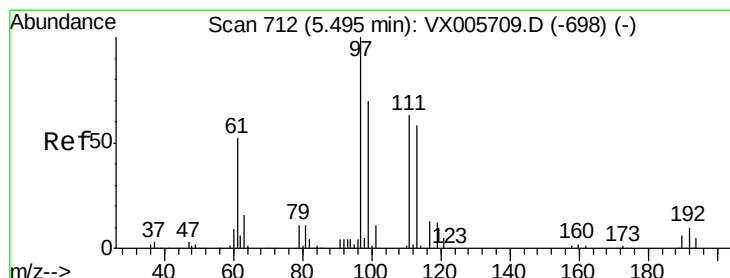
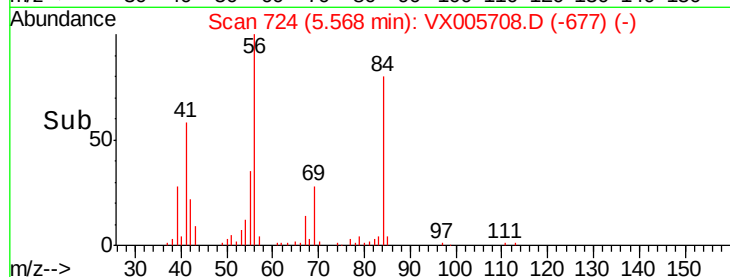
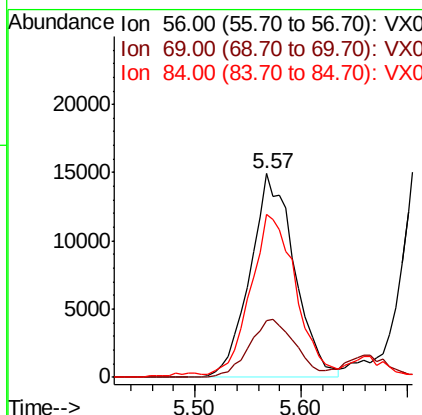
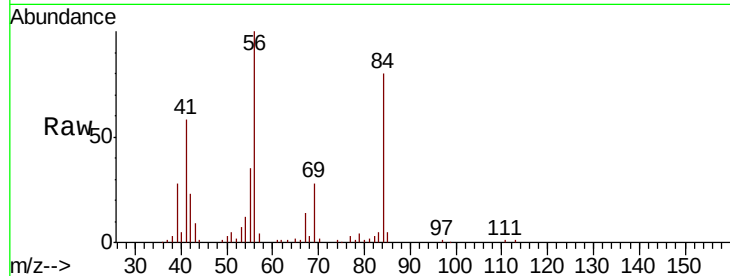
#31
Cyclohexane
Concen: 22.629 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.6	34.0
84	78.2	62.7	94.1

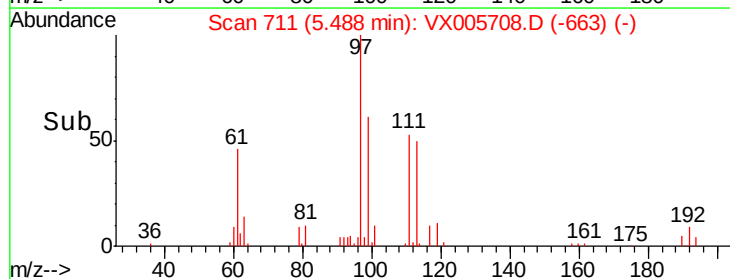
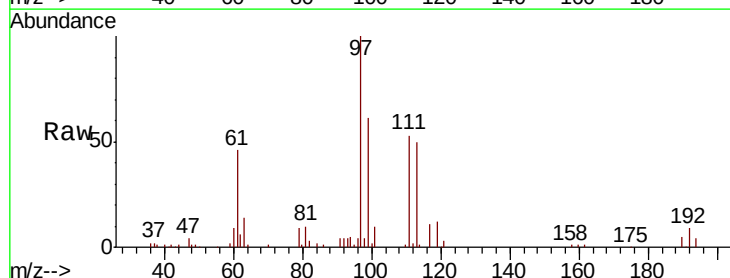
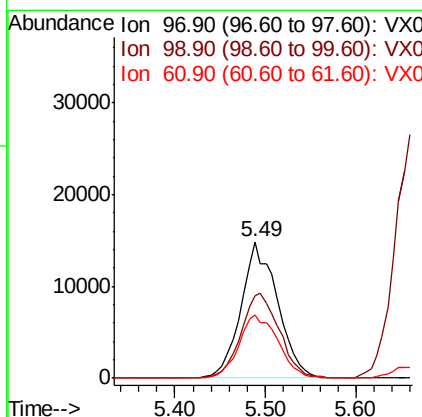
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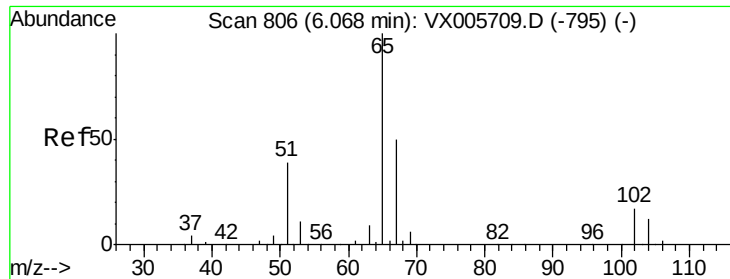
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#32
1,1,1-Trichloroethane
Concen: 21.595 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	49.8	35.2	52.8





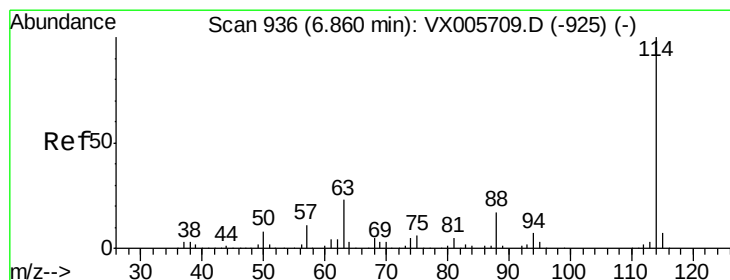
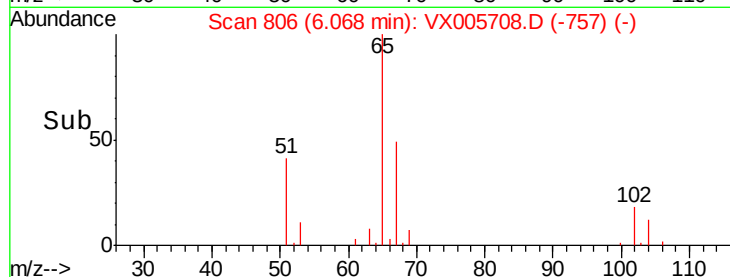
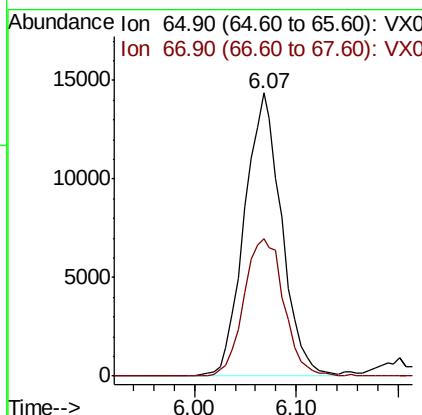
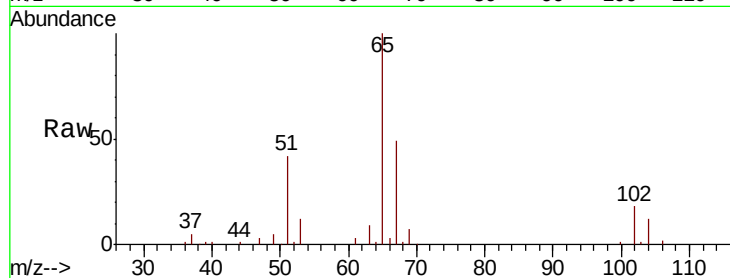
#33
 1,2-Dichloroethane-d4
 Concen: 25.498 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.0

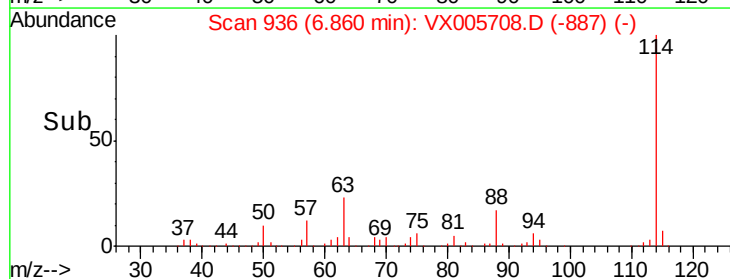
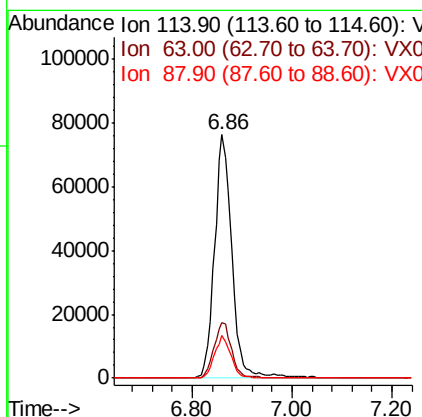
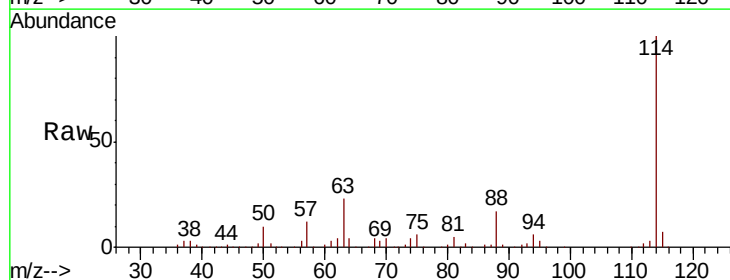
Manual Integrations
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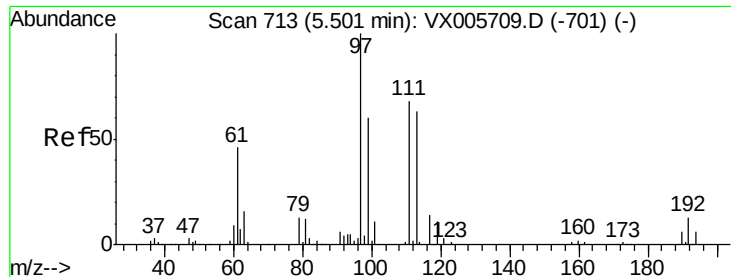
MMDadoda
 11/1/2018 9:49:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	42.8
88	17.4	0.0	31.2





#35

Dibromofluoromethane

Concen: 21.503 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

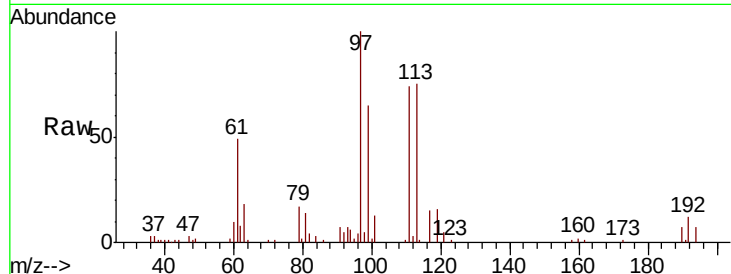
ClientSampleId :

VSTDIC020

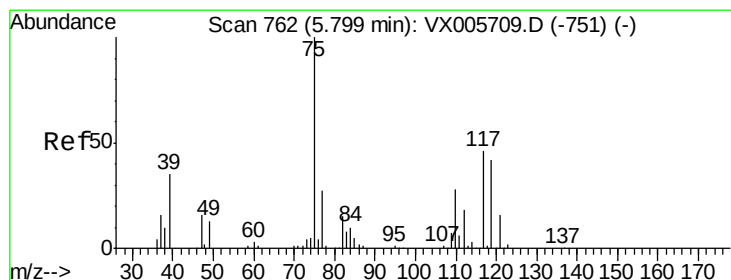
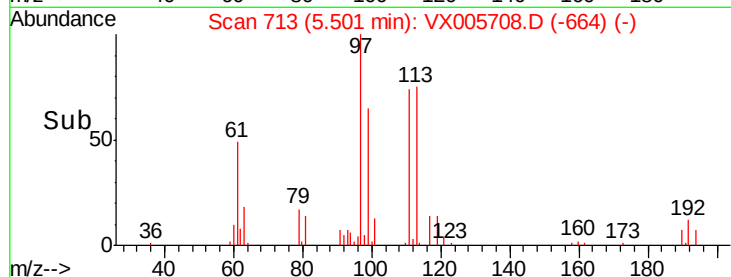
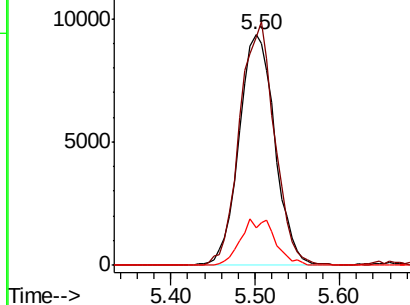
Tot Ion:	113	Resp:	26861
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.3	123.5
192	19.3	17.9	26.9

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.672 ug/l

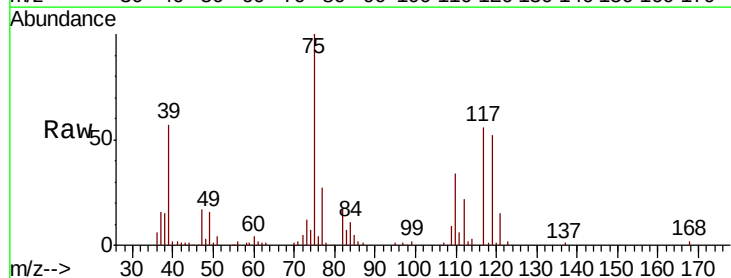
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

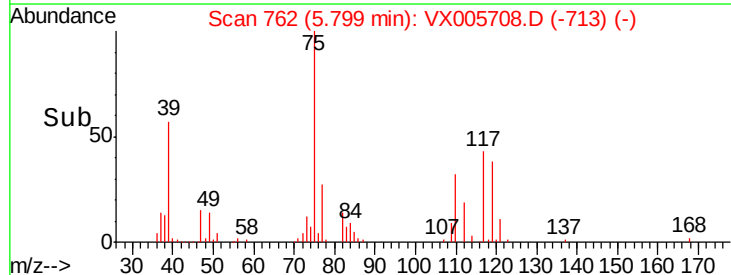
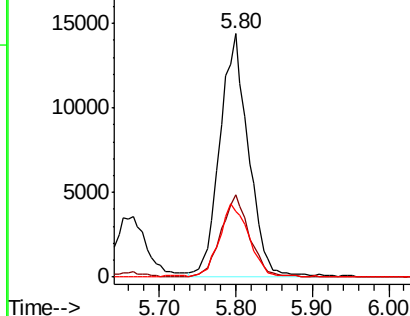
Lab File: VX005708.D

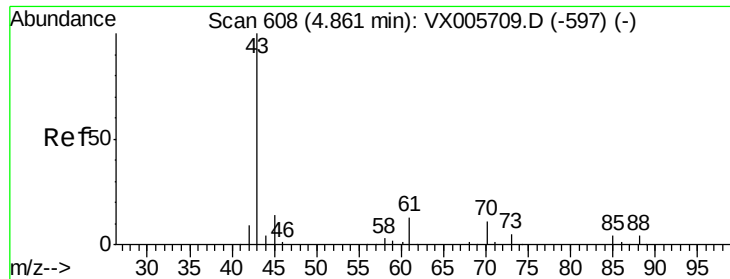
Acq: 31 Oct 2018 14:54

Tgt Ion:	75	Resp:	37009
Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.2
77	31.2	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 21.771 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

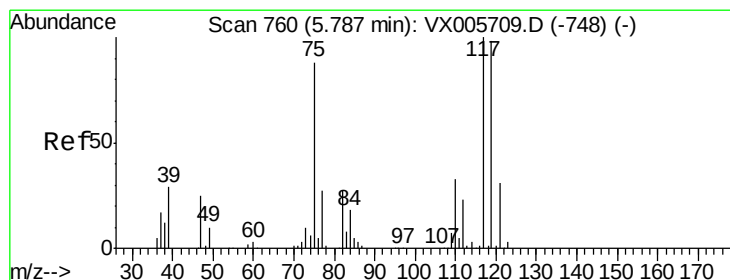
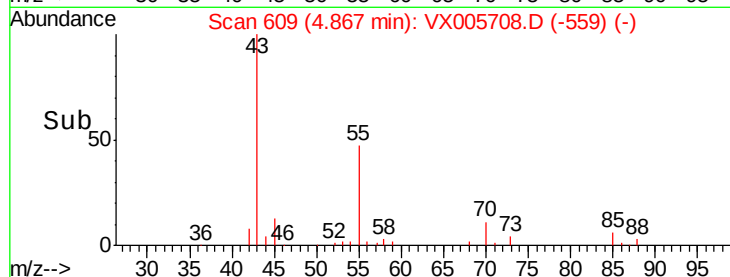
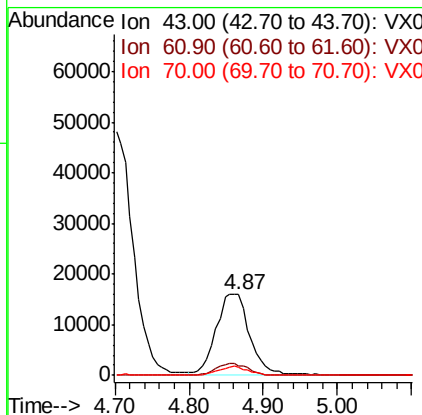
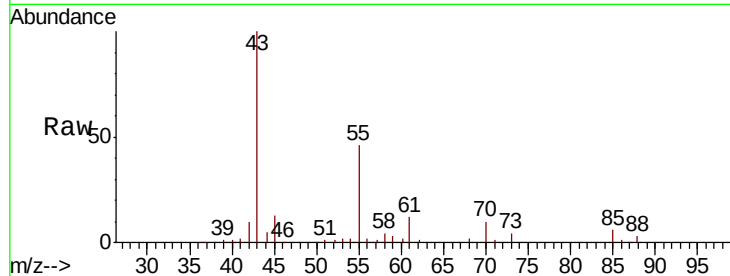
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	49738
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.396 ug/l

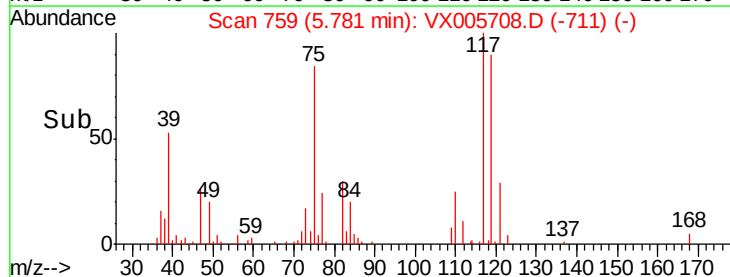
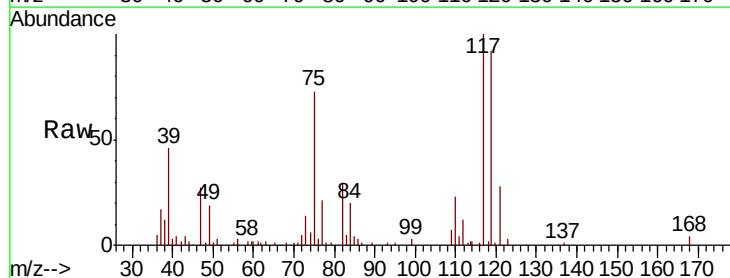
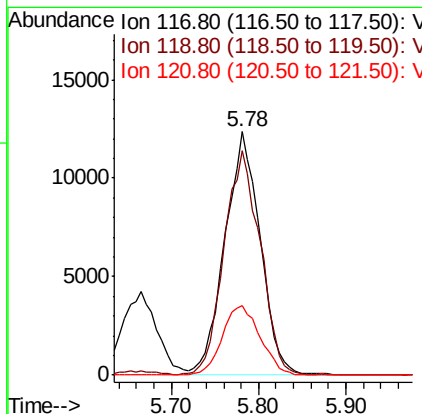
RT: 5.78 min Scan# 759

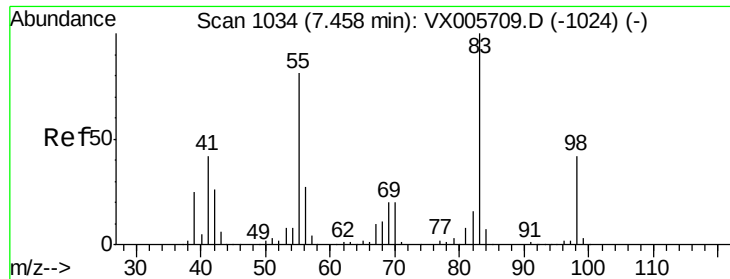
Delta R.T. -0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	117	Resp:	34688
Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.1	117.1
121	28.5	24.6	36.8





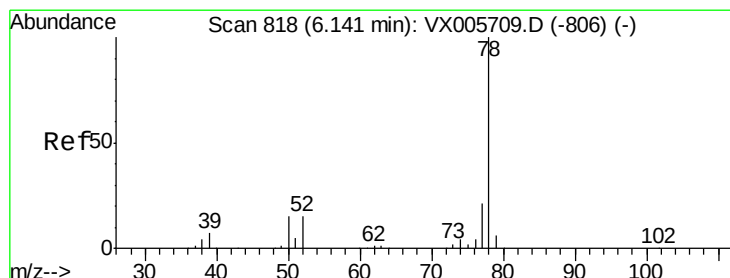
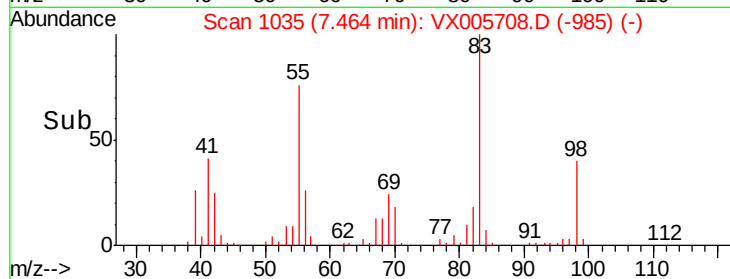
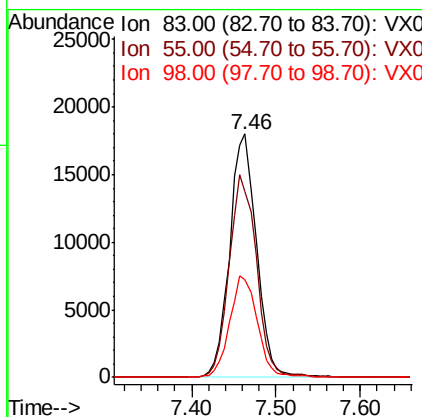
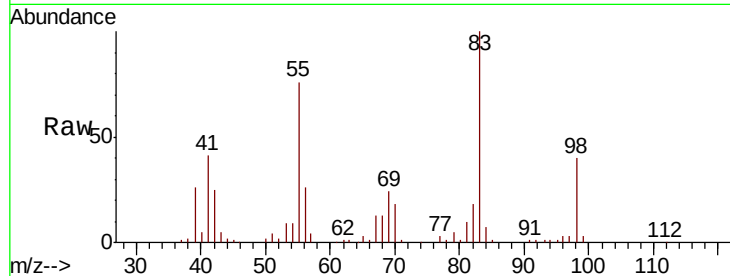
#39
Methylvlcyclohexane
Concen: 19.578 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	63.7	95.5
98	40.4	36.2	54.2

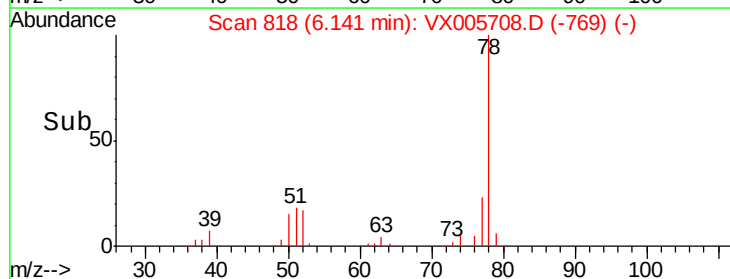
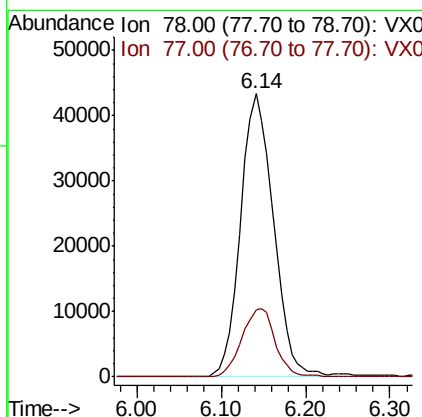
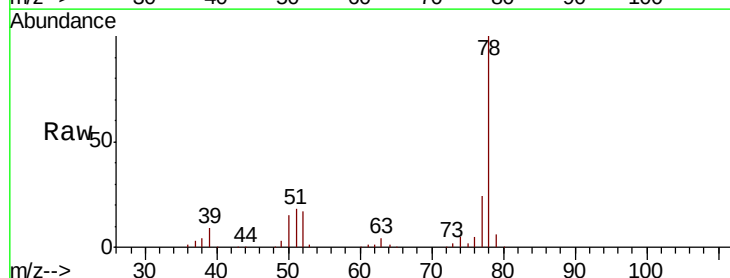
Manual Integrations
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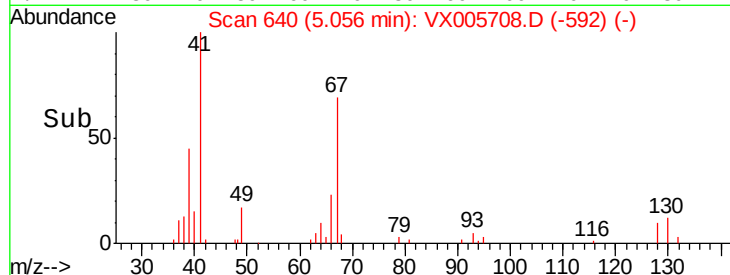
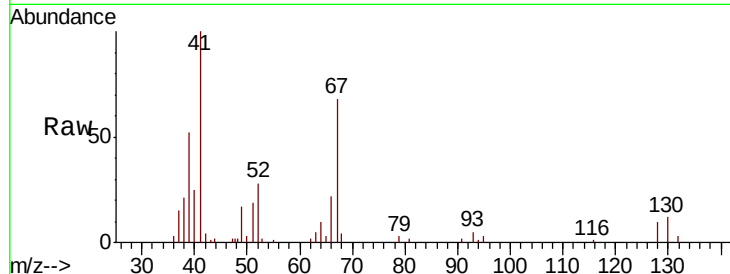
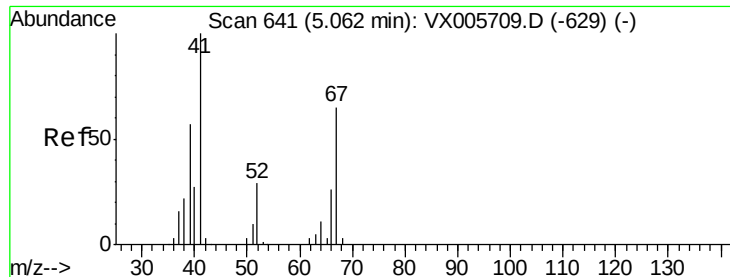
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11/1/2018 9:49:16 AM



#40
Benzene
Concen: 22.368 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





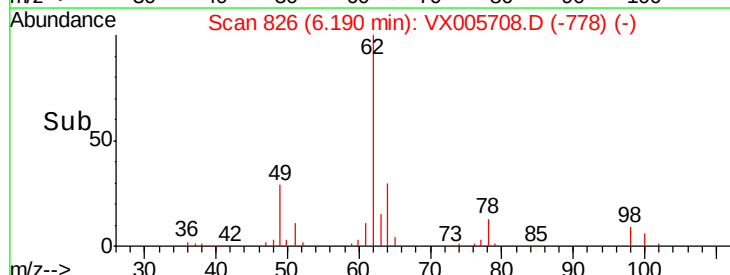
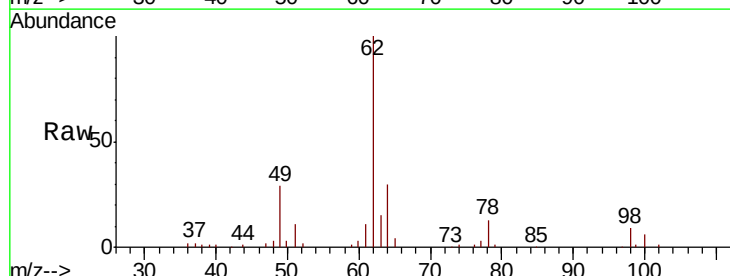
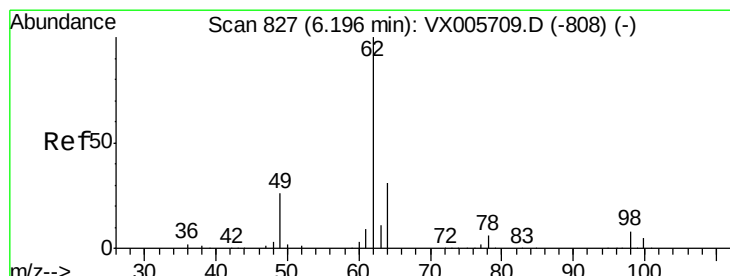
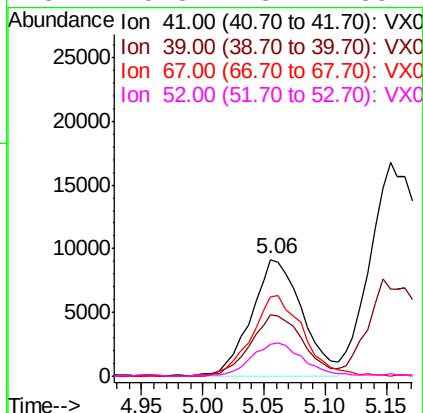
#41
Methacrylonitrile
Concen: 21.067 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		26810		
39	54.2	42.2	63.2		
67	69.2	53.4	80.0		
52	29.3	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

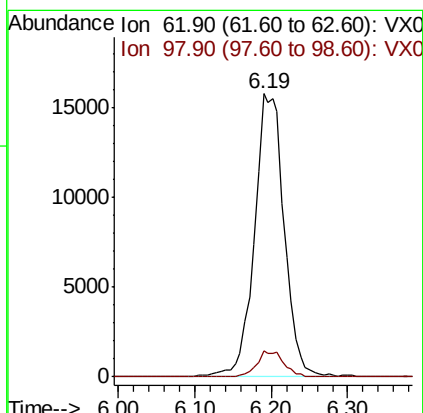
Manual Integrations
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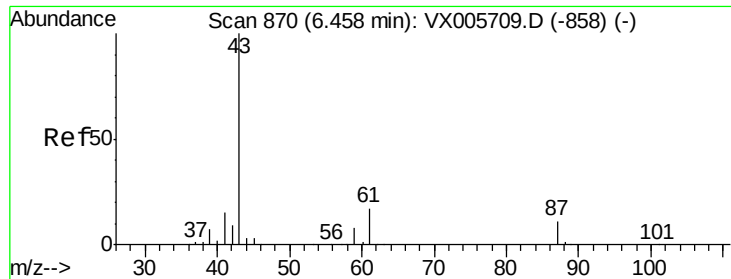
MMDadoda
11/1/2018 9:49:16 AM



#42
1,2-Dichloroethane
Concen: 21.968 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		42831		
98	8.1	0.0	17.8		





#43

Isopropyl Acetate

Concen: 20.926 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

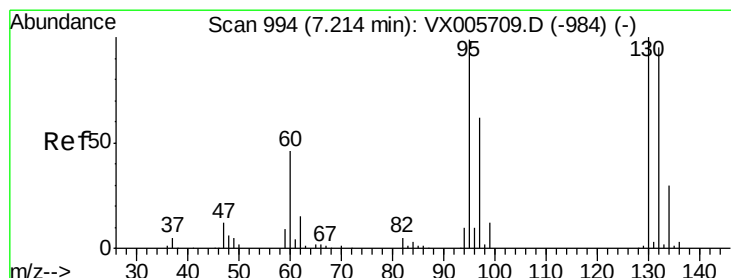
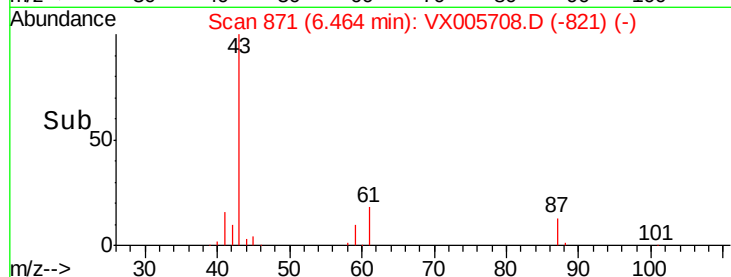
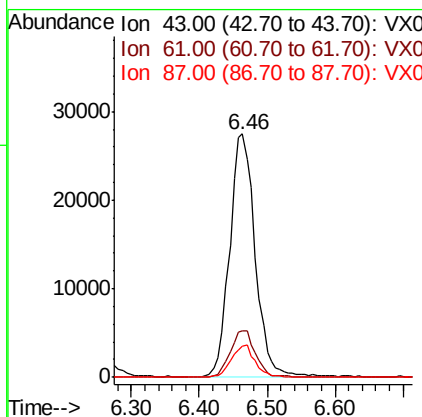
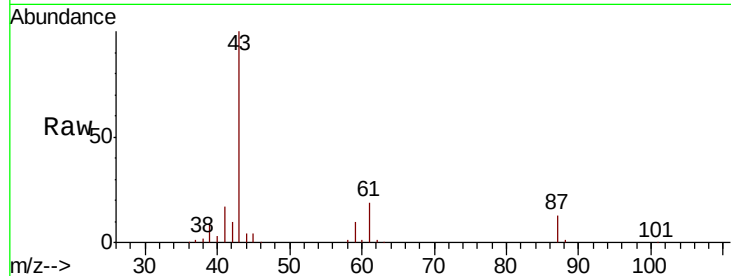
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	71642
Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.6	22.0
87	12.1	9.6	14.4

Manual Integrations
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11/1/2018 9:49:16 AM



#44

Trichloroethene

Concen: 18.372 ug/l

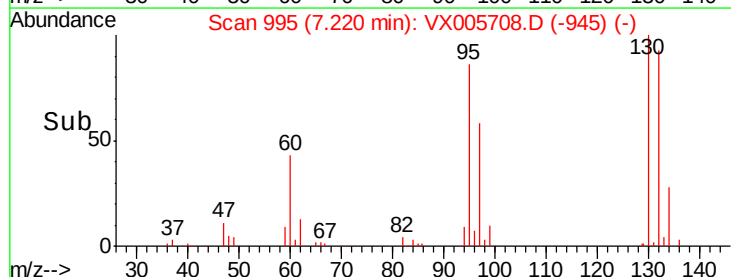
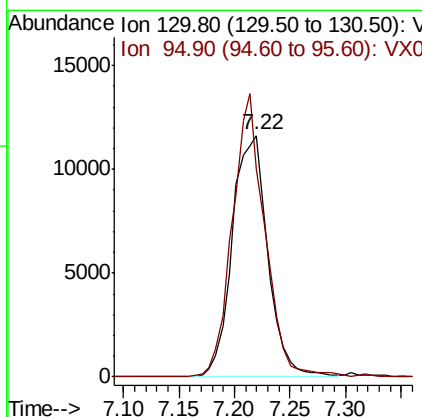
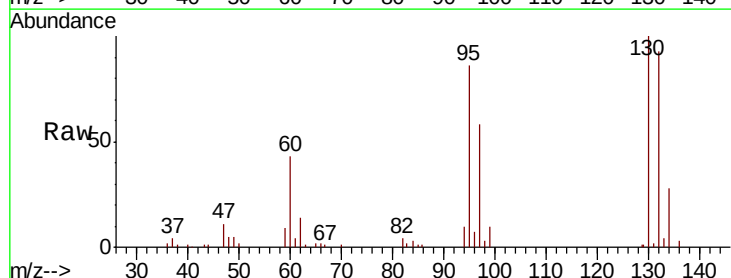
RT: 7.22 min Scan# 995

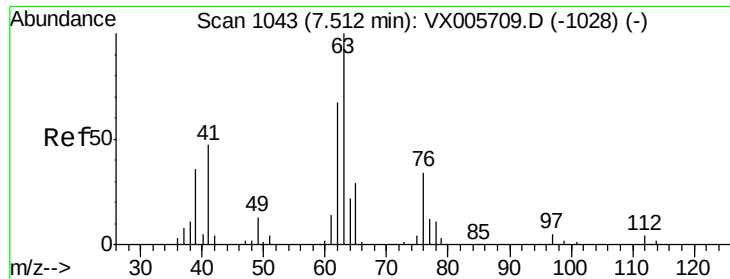
Delta R.T. 0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	130	Resp:	25686
Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	194.2





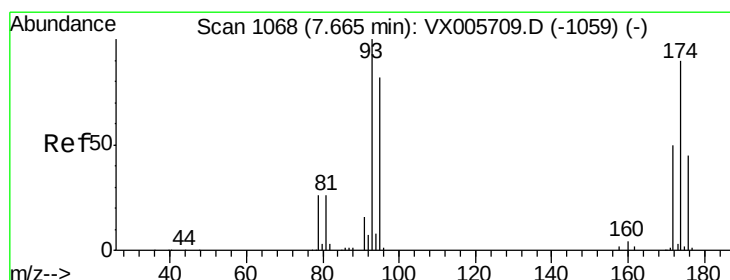
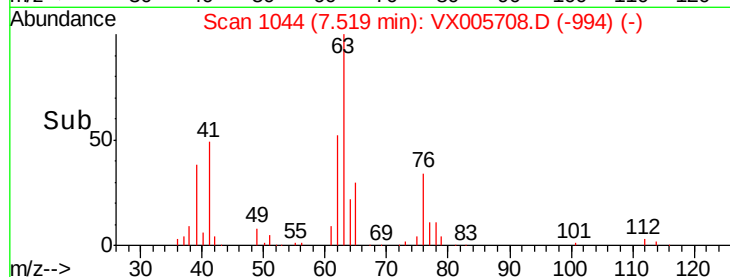
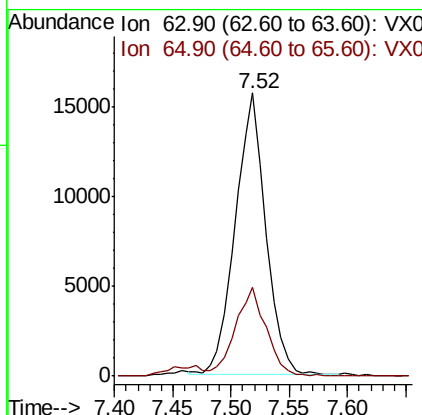
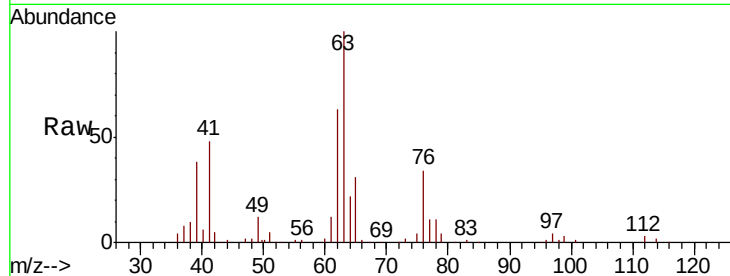
#45
 1,2-Dichloropropane
 Concen: 20.811 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 28715
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

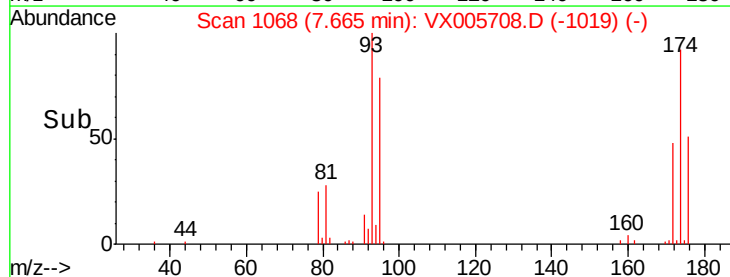
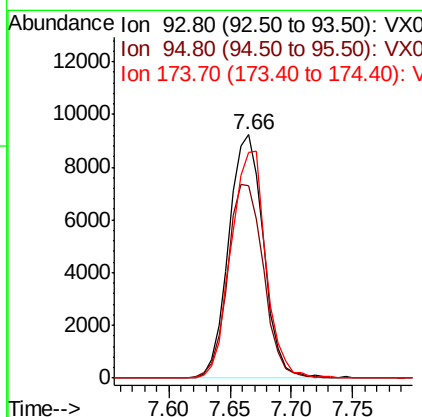
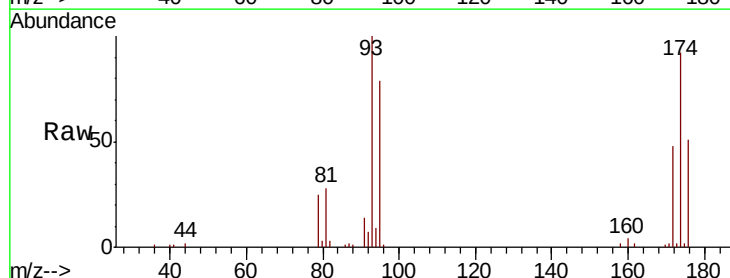
Manual Integrations
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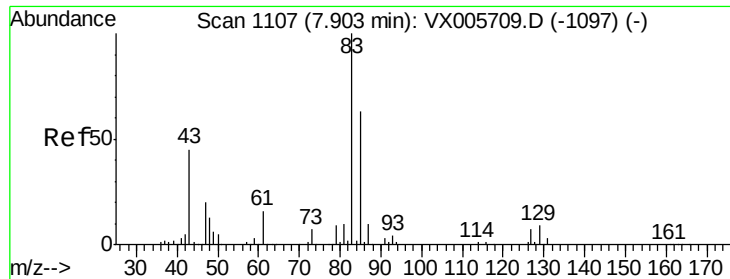
MMDadoda
 11/1/2018 9:49:16 AM



#46
 Dibromomethane
 Concen: 20.286 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion: 93 Resp: 18078
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.4 101.0
 174 93.7 91.5 137.3





#47

Bromodichloromethane

Concen: 19.616 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

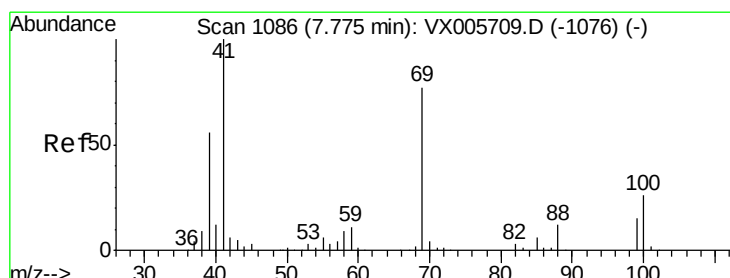
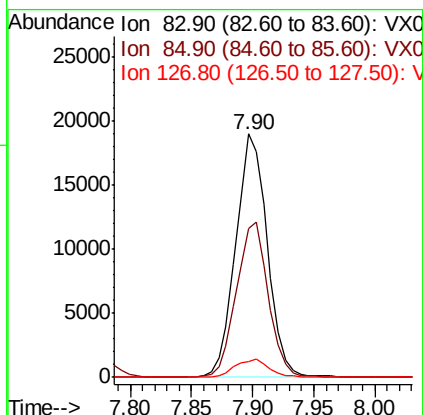
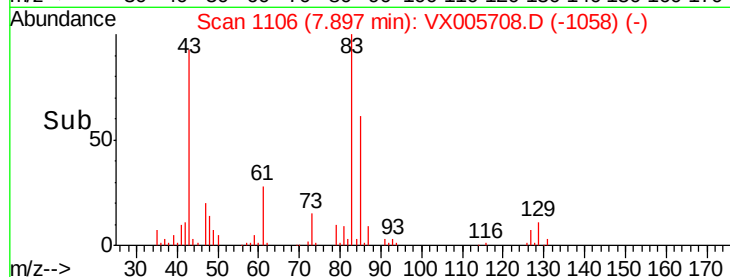
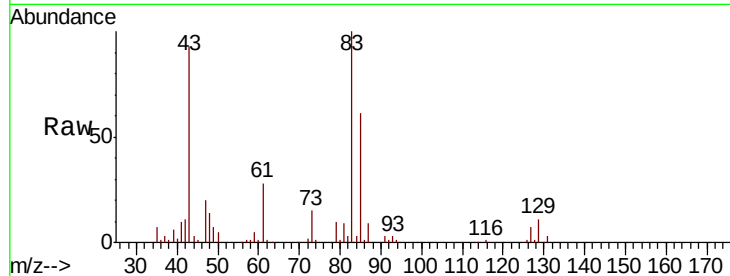
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	33929
Ion Ratio	Lower	Upper	
83	100		
85	60.9	50.2	75.4
127	6.7	6.9	10.3#

Manual Integrations
APPROVED

MMDadoda
11/1/2018 9:49:16 AM



#48

Methyl methacrylate

Concen: 20.303 ug/l

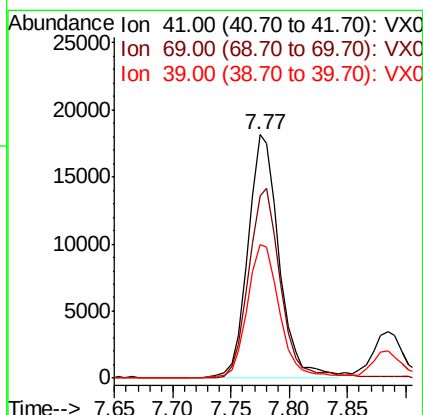
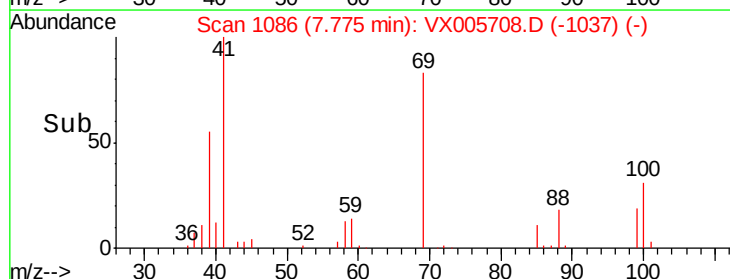
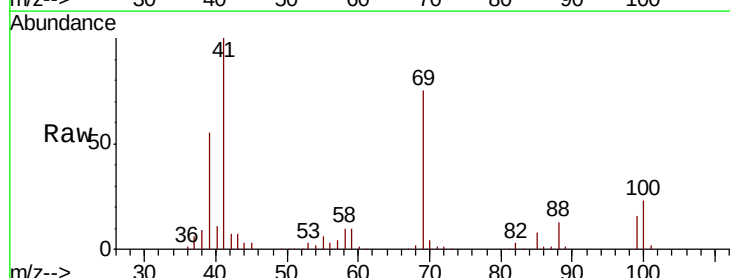
RT: 7.77 min Scan# 1086

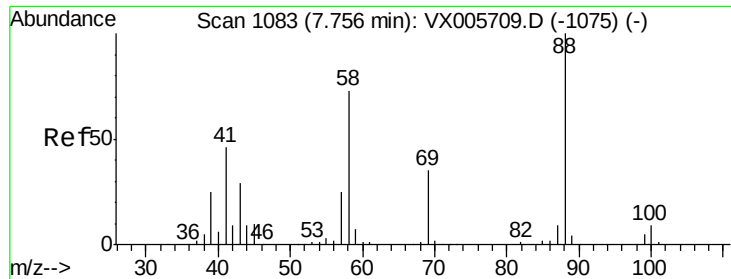
Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	41	Resp:	33861
Ion Ratio	Lower	Upper	
41	100		
69	80.8	63.2	94.8
39	57.0	42.2	63.2





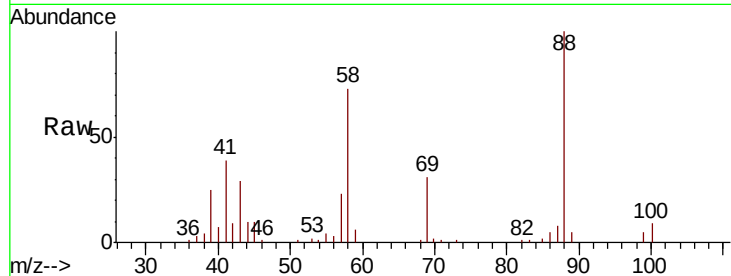
#49
1,4-Dioxane
Concen: 427.383 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.4	41.0
58	79.9	59.4	89.2

Manual Integrations
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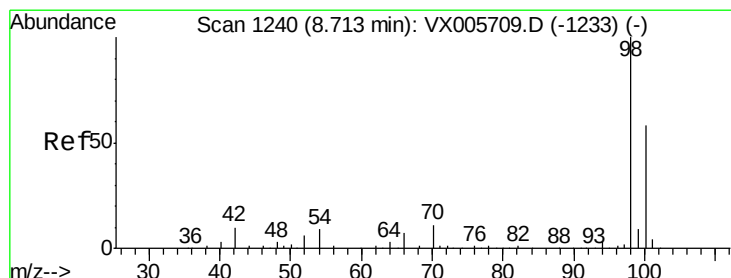
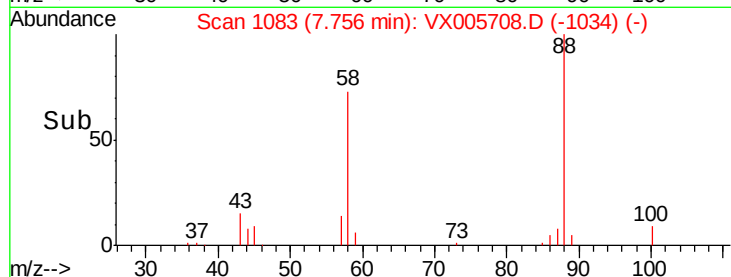
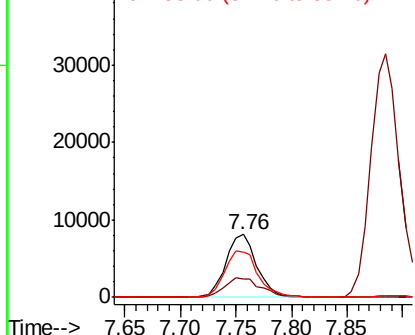


Abundance

Ion 88.00 (87.70 to 88.70): VX0

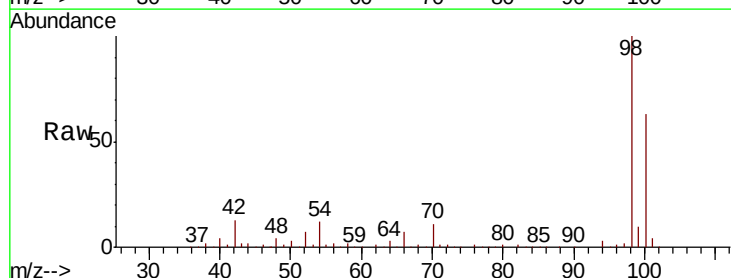
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 20.600 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

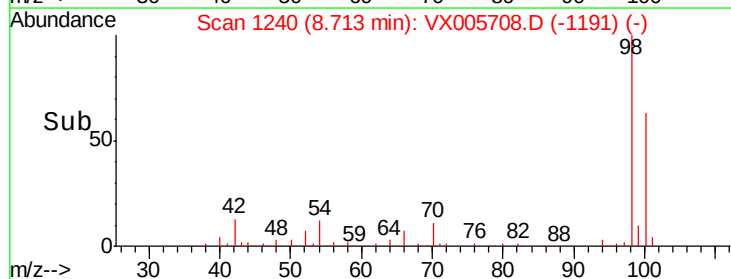
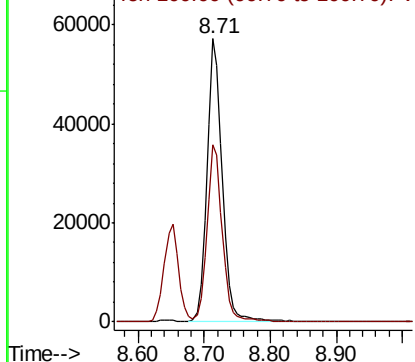
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.3	76.9

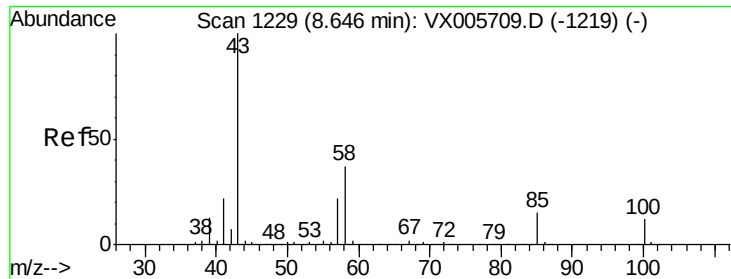


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 104.699 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 240894

Ion Ratio Lower Upper

43 100

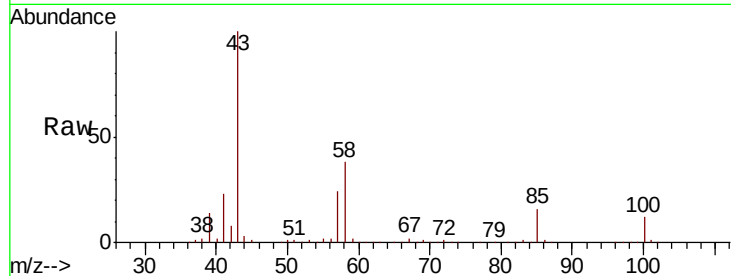
58 38.2 29.7 44.5

Manual Integrations

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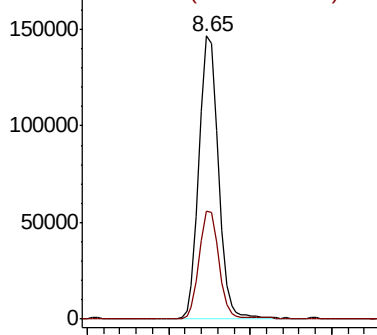
MMDadoda

11/1/2018 9:49:16 AM

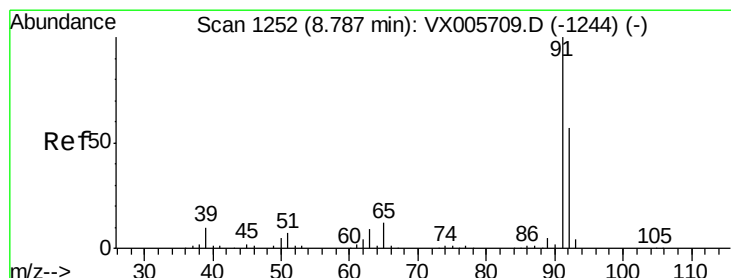
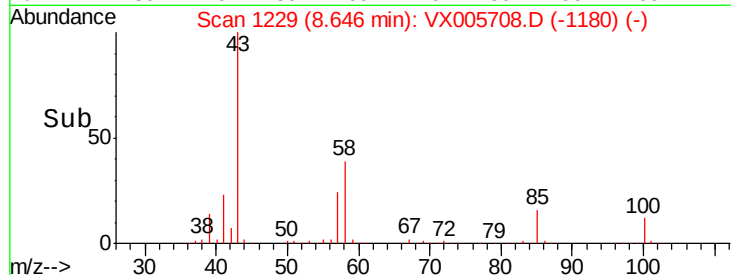


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 19.815 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005708.D

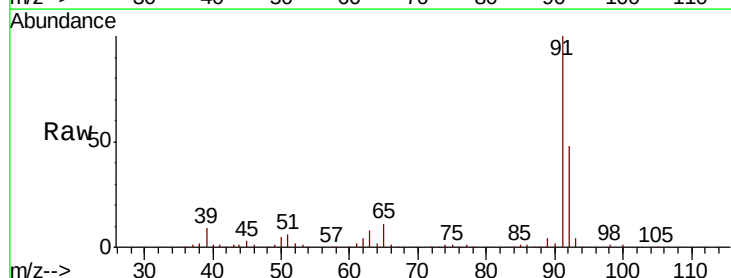
Acq: 31 Oct 2018 14:54

Tgt Ion: 92 Resp: 61806

Ion Ratio Lower Upper

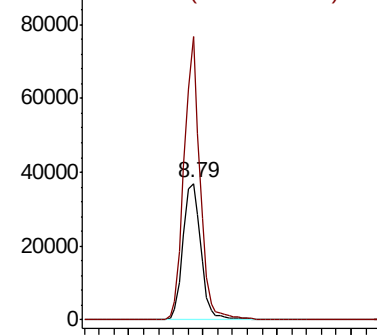
92 100

91 184.0 140.4 210.6

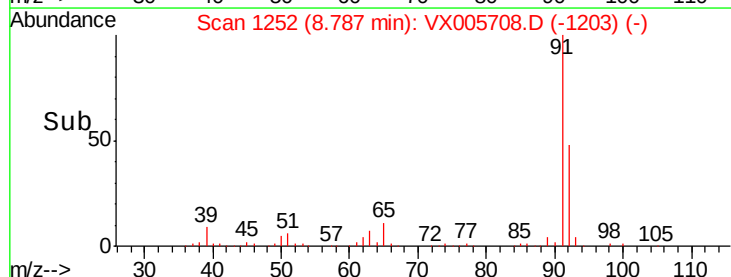


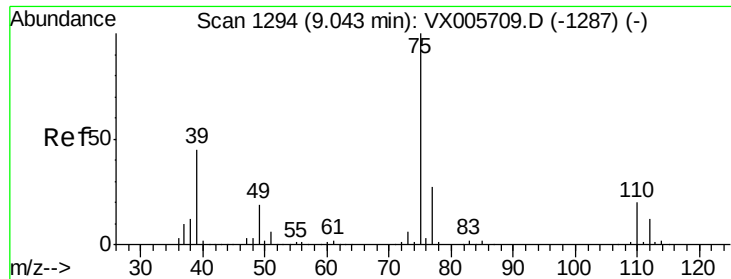
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





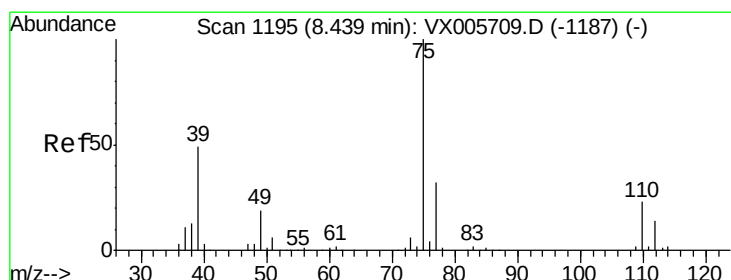
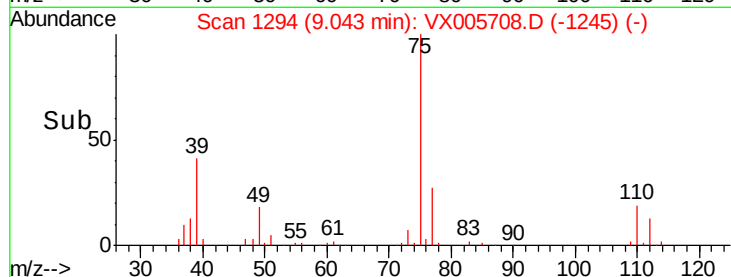
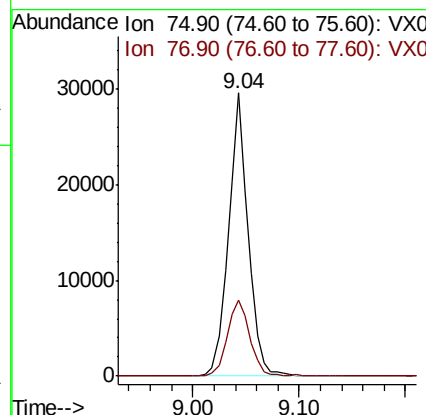
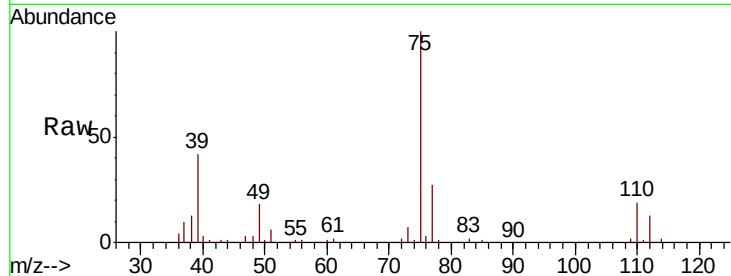
#53
t-1,3-Dichloropropene
Concen: 20.328 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 37999
Ion Ratio Lower Upper
75 100
77 26.7 25.4 38.2

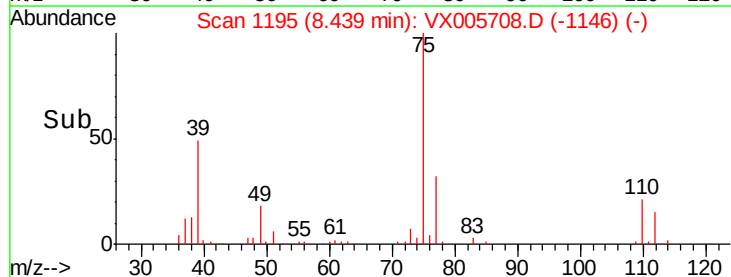
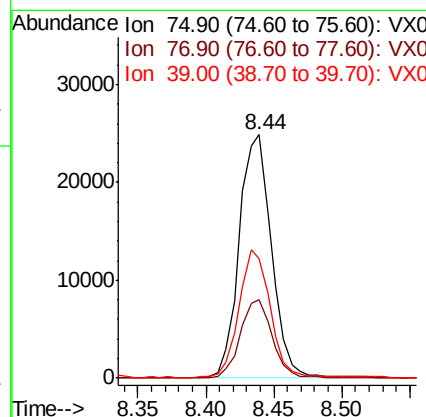
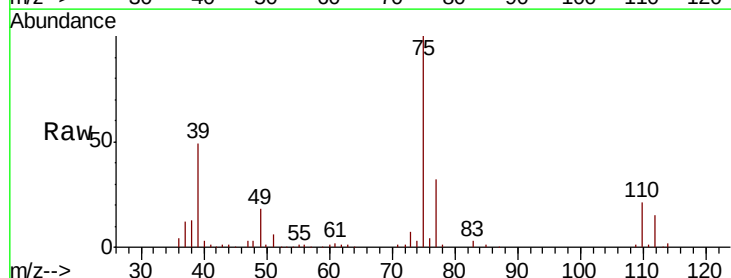
Manual Integrations
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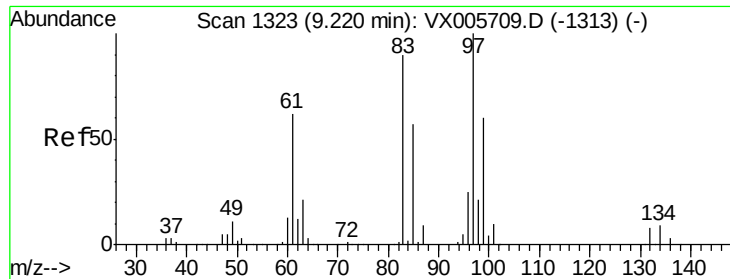
MMDadoda
11/1/2018 9:49:16 AM



#54
cis-1,3-Dichloropropene
Concen: 20.475 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion: 75 Resp: 41208
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 48.9 38.2 57.2





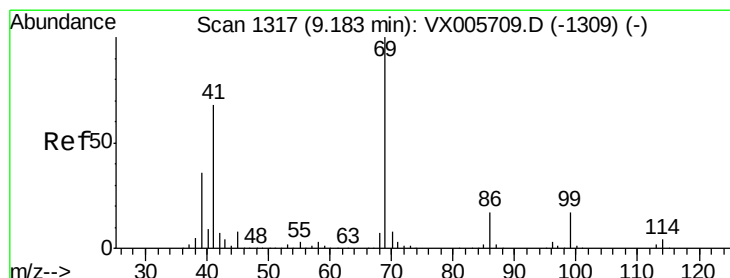
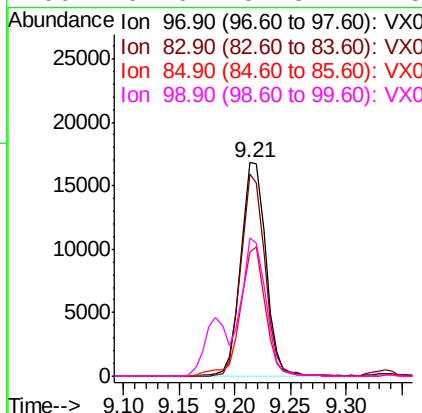
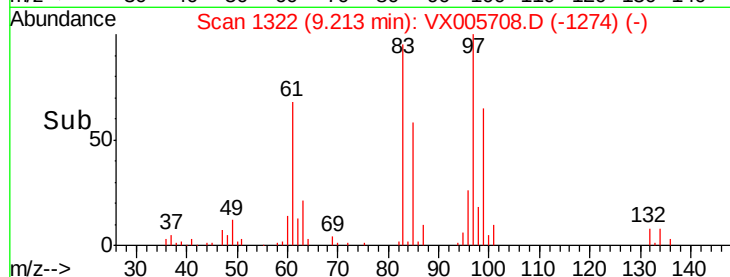
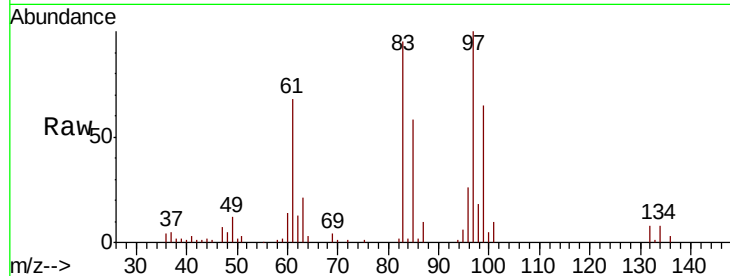
#55
 1,1,2-Trichloroethane
 Concen: 20.054 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	26372
Ion	Ratio	Lower	Upper
97	100		
83	94.9	70.7	106.1
85	58.3	45.8	68.6
99	64.6	51.8	77.8

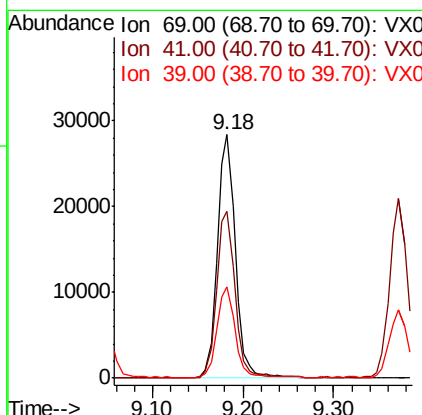
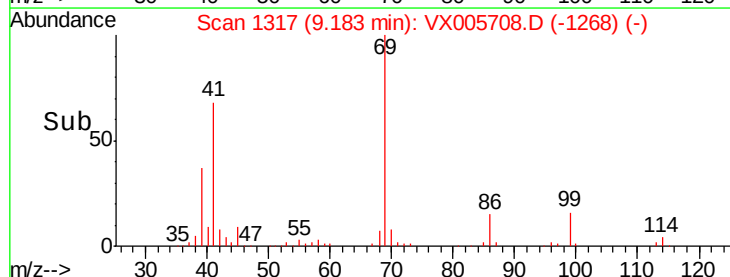
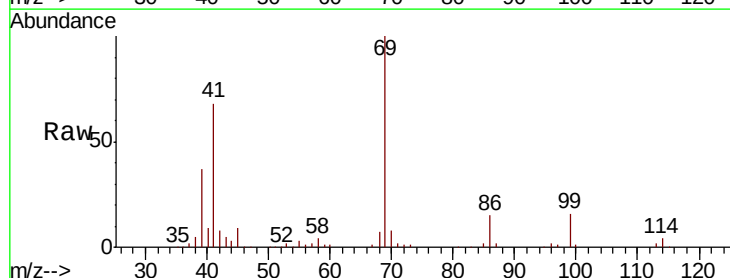
Manual Integrations
 APPROVED

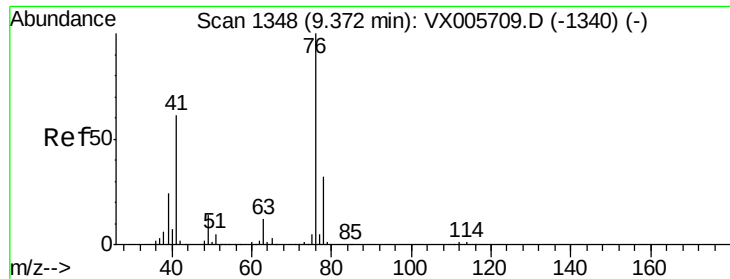
MMDadoda
 11/1/2018 9:49:16 AM



#56
 Ethyl methacrylate
 Concen: 20.243 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion:	69	Resp:	39707
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.0	85.6
39	37.8	28.3	42.5





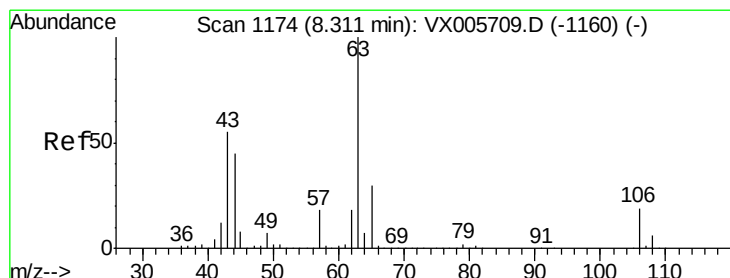
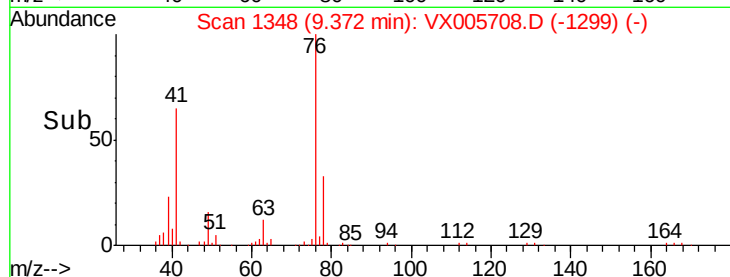
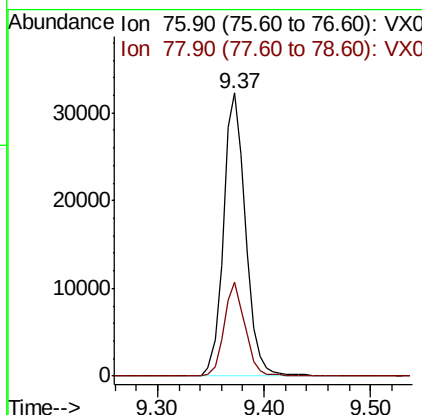
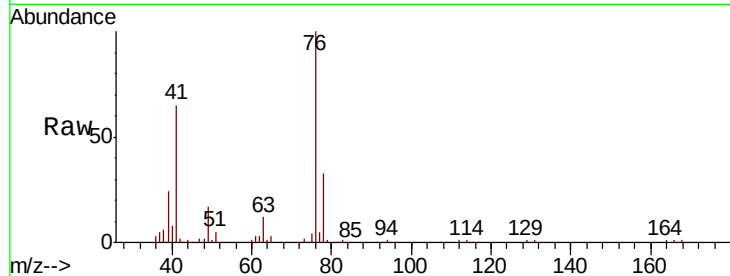
#57
 1,3-Dichloropropane
 Concen: 21.061 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.3	37.9

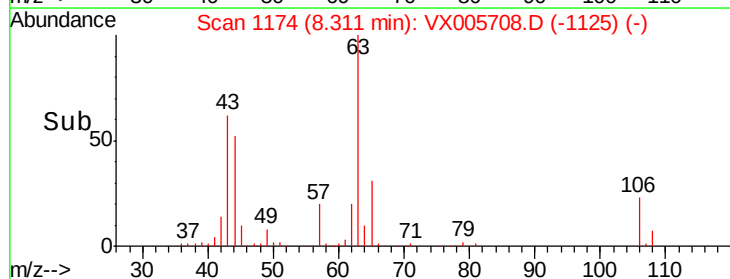
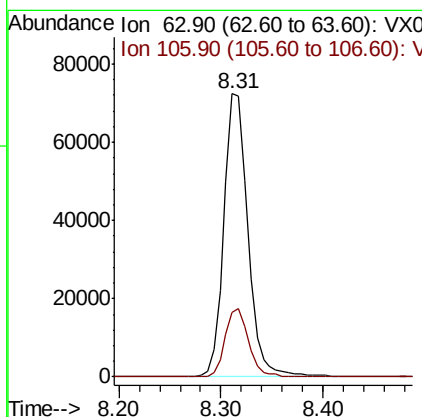
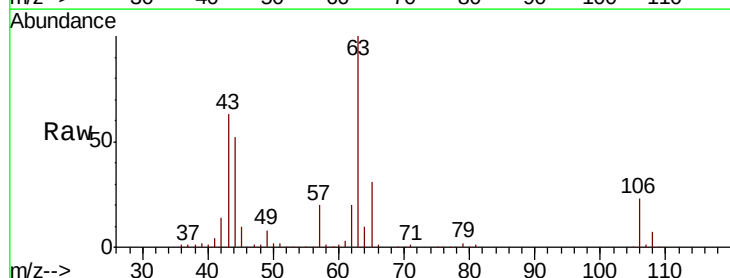
Manual Integrations
 APPROVED

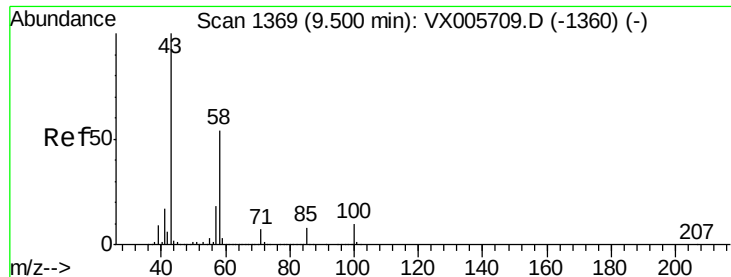
MMDadoda
 11/1/2018 9:49:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.327 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	21.3	31.9





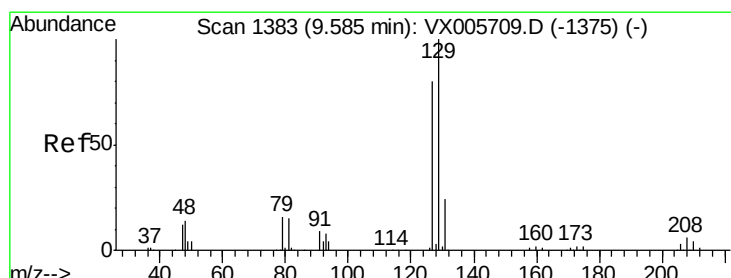
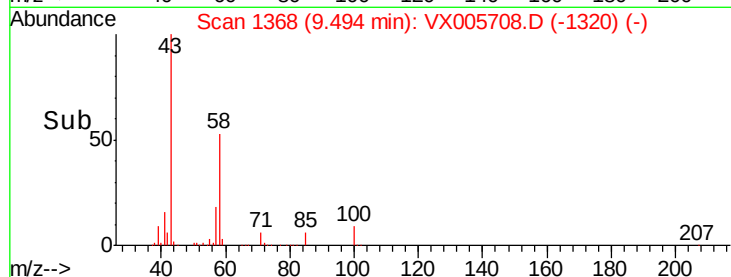
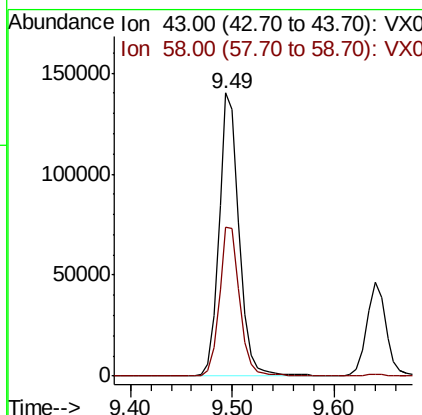
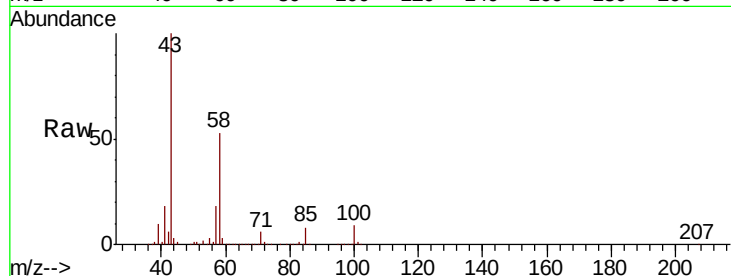
#59
2-Hexanone
Concen: 106.582 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	193349
Ion Ratio	43	100	
Lower	58	53.4	25.9
Upper			77.8

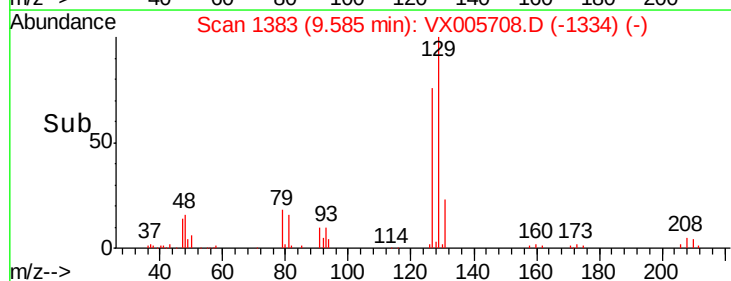
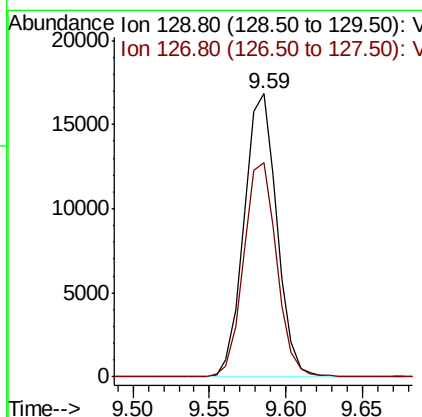
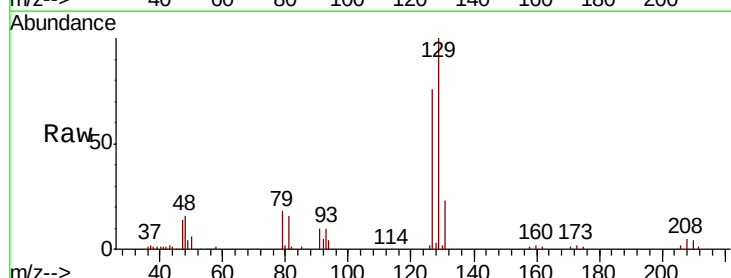
Manual Integrations
APPROVED

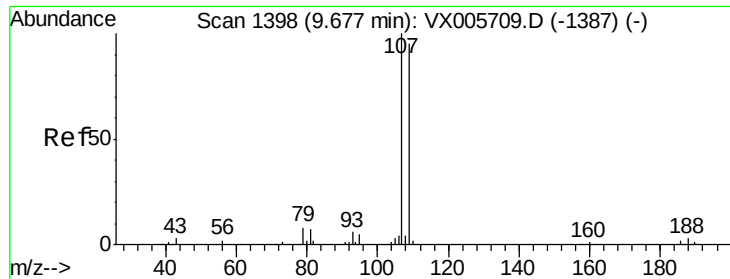
MMDadoda
11/1/2018 9:49:16 AM



#60
Dibromochloromethane
Concen: 18.236 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	129	Resp	25020
Ion Ratio	129	100	
Lower	127	75.9	38.9
Upper			116.7





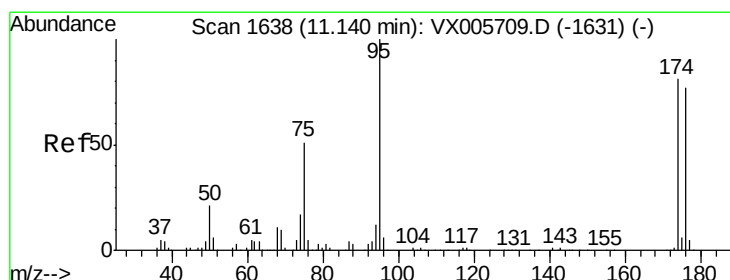
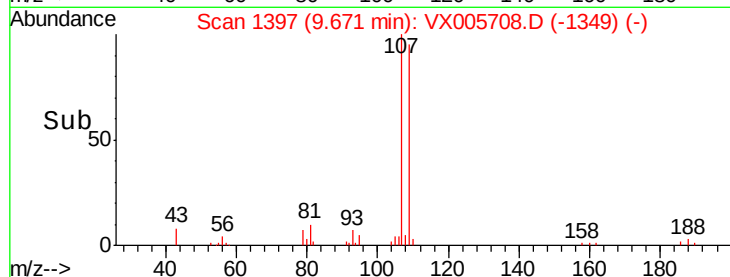
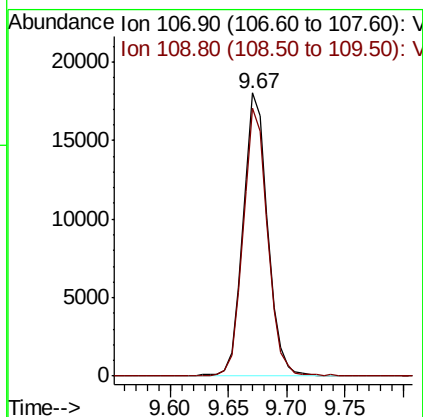
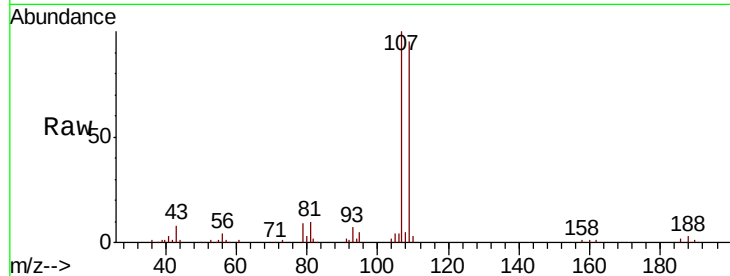
#61
 1,2-Dibromoethane
 Concen: 19.520 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.7	113.5

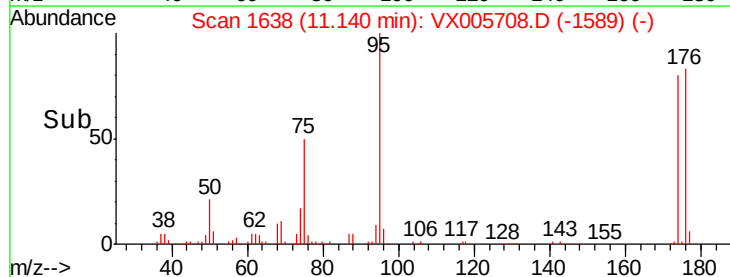
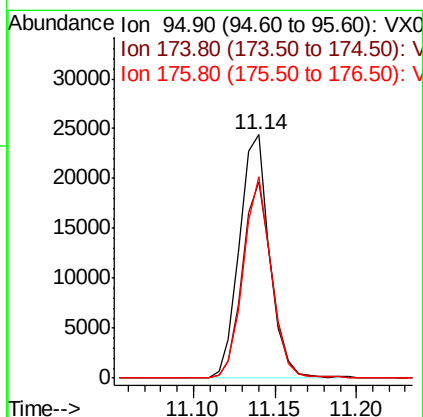
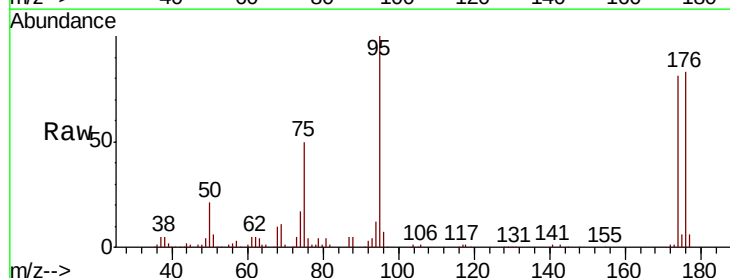
Manual Integrations
 APPROVED

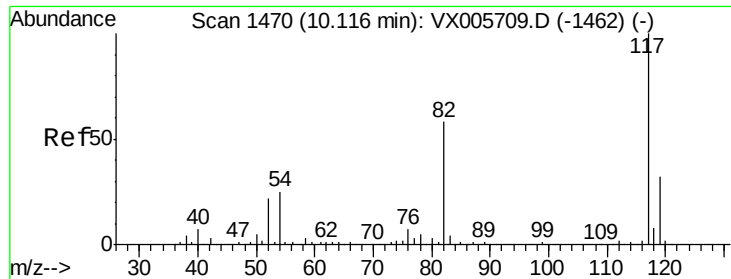
MMDadoda
 11/1/2018 9:49:16 AM



#62
 4-Bromofluorobenzene
 Concen: 18.573 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	184.4
176	77.2	0.0	177.4





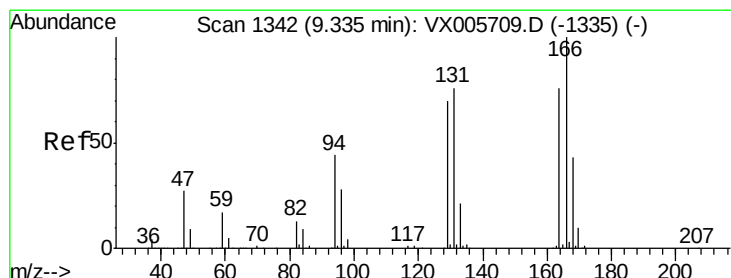
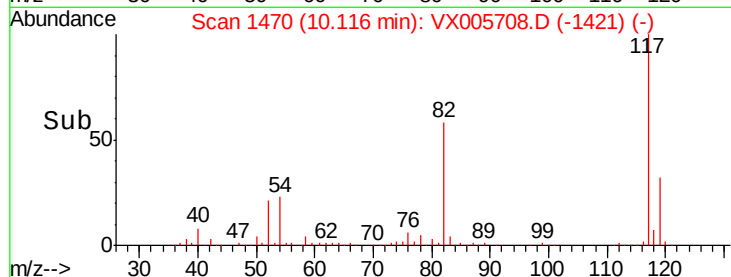
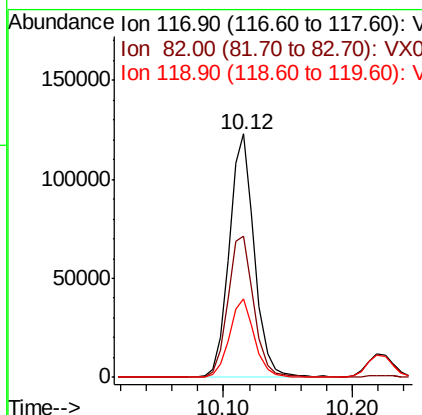
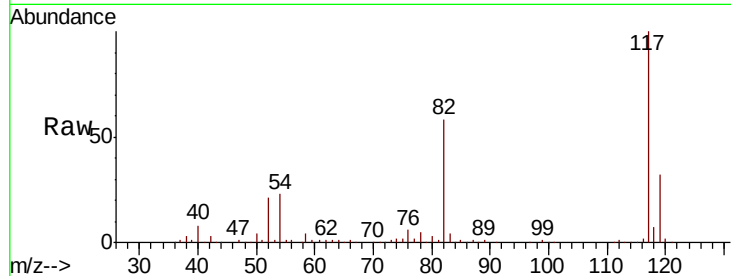
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.1	66.1
119	32.2	26.2	39.2

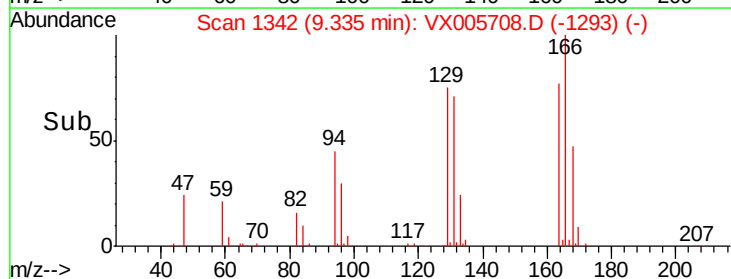
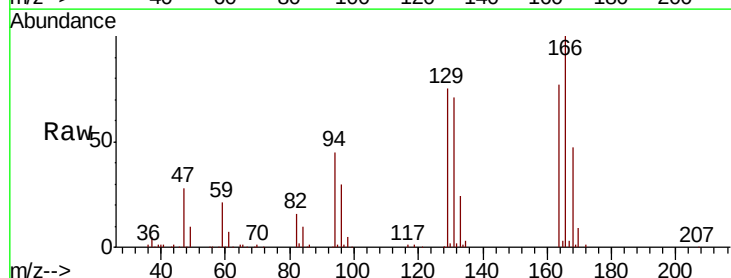
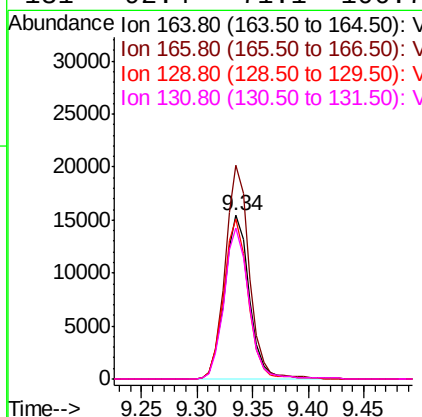
Manual Integrations
APPROVED

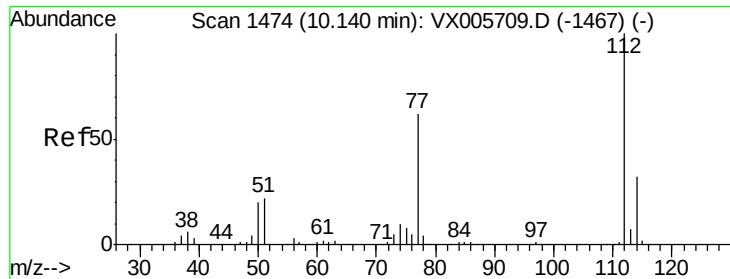
MMDadoda
11/1/2018 9:49:16 AM



#64
Tetrachloroethene
Concen: 17.081 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.9	152.9
129	98.1	72.6	109.0
131	92.4	71.1	106.7





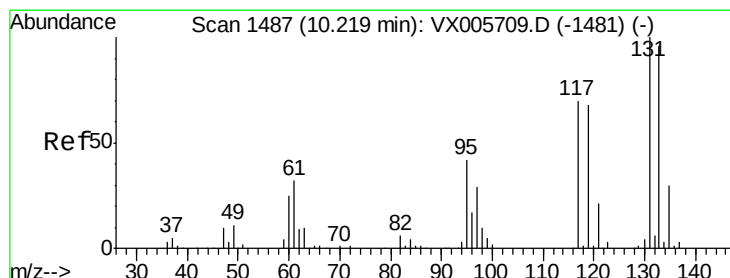
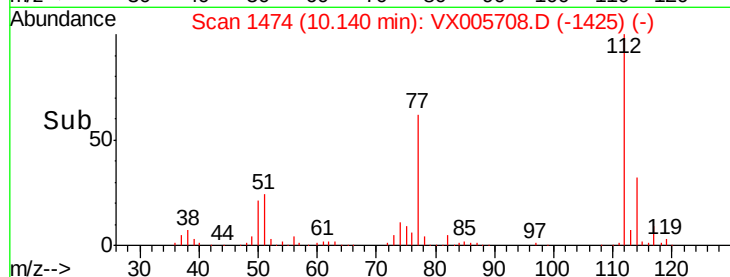
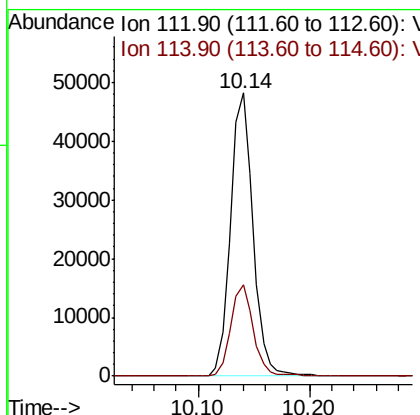
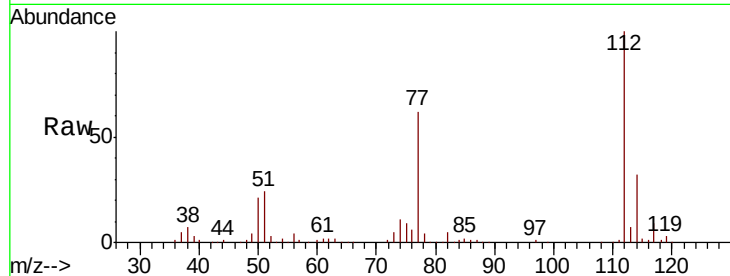
#65
Chlorobenzene
Concen: 18.860 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 67295
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

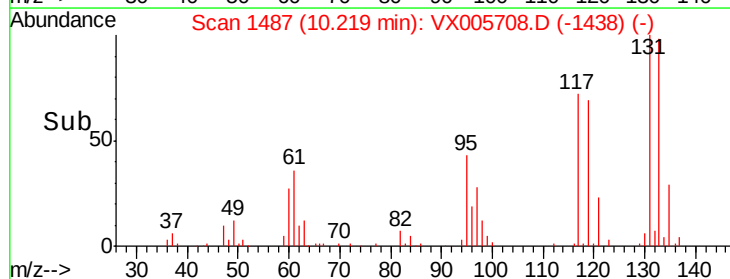
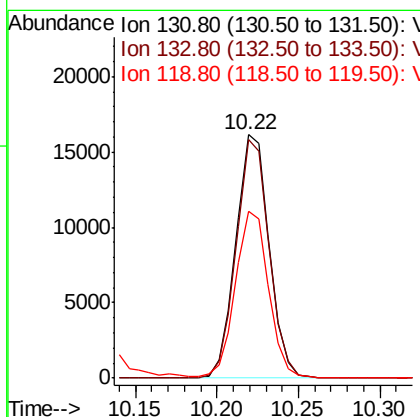
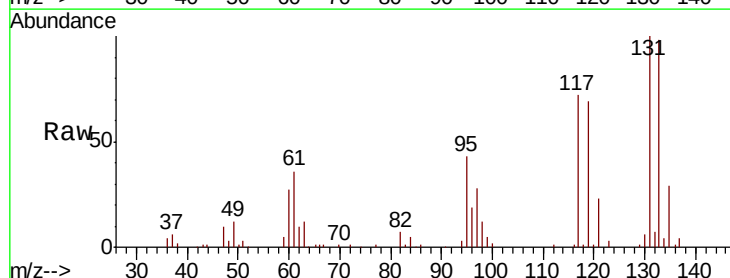
Manual Integrations
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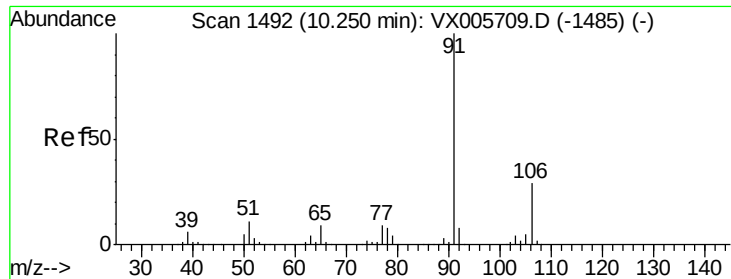
MMDadoda
11/1/2018 9:49:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.656 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion:131 Resp: 22971
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.5
119 68.3 31.8 95.3





#67

Ethyl Benzene

Concen: 19.891 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 116771

Ion Ratio Lower Upper

91 100

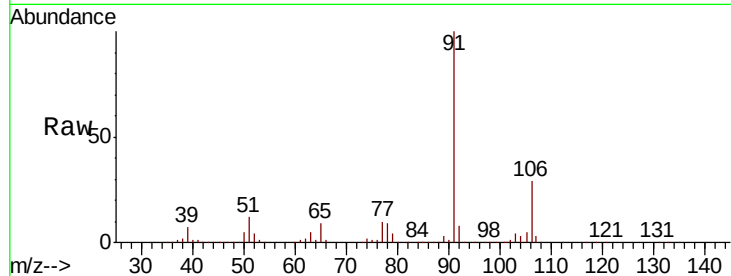
106 28.9 24.4 36.6

Manual Integrations

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11/1/2018 9:49:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

150000

100000

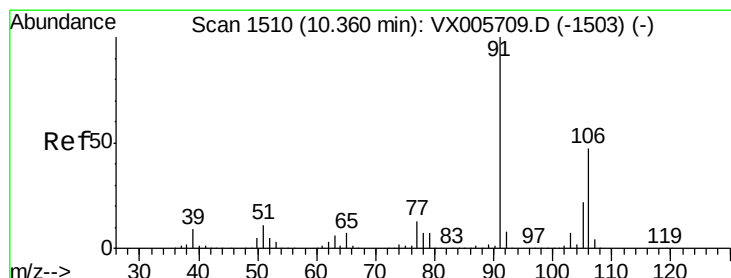
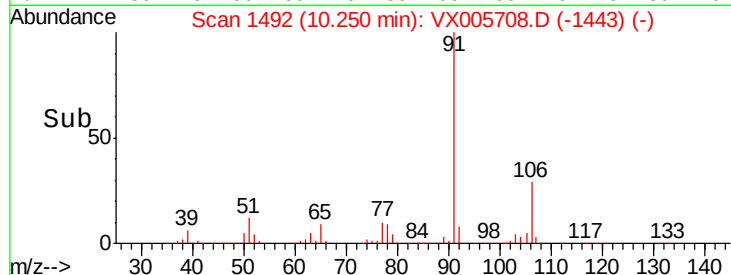
50000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 38.744 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005708.D

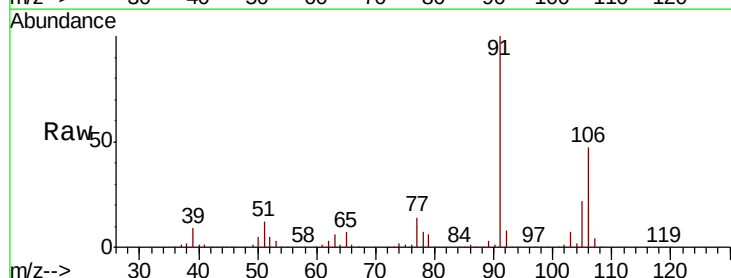
Acq: 31 Oct 2018 14:54

Tgt Ion:106 Resp: 88244

Ion Ratio Lower Upper

106 100

91 213.9 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

150000

100000

50000

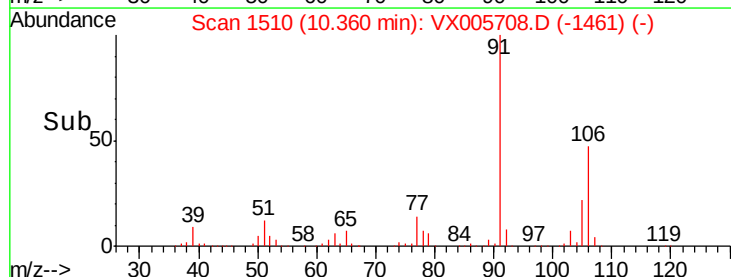
0

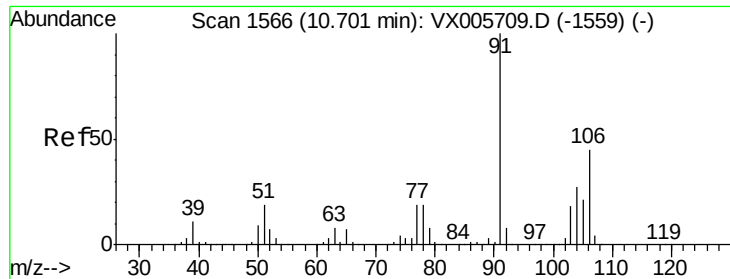
10.36

10.40

10.50

Time-->





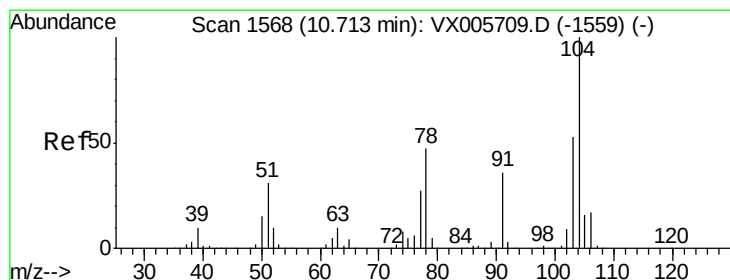
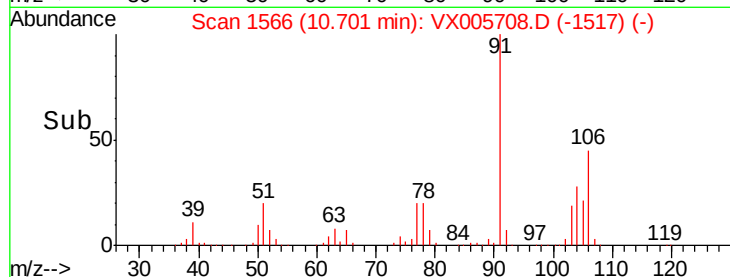
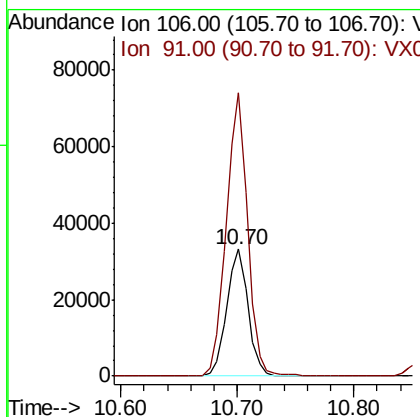
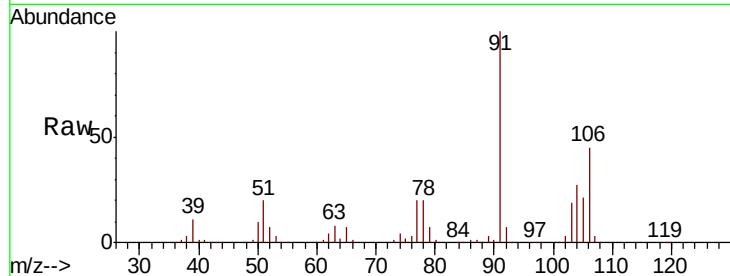
#69
o-Xylene
Concen: 19.823 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.4	108.5	325.5	

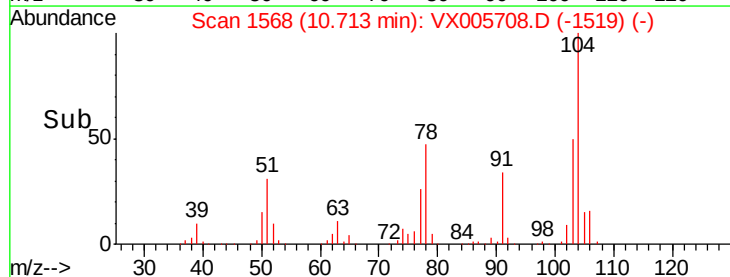
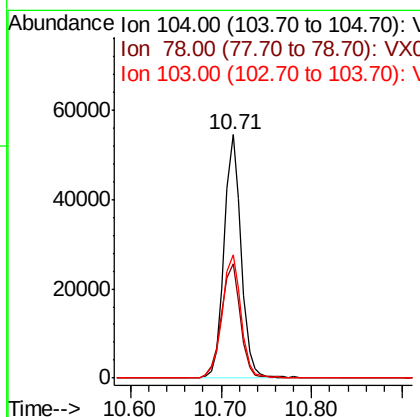
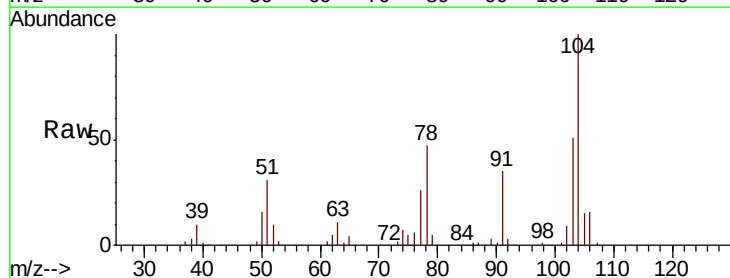
Manual Integrations
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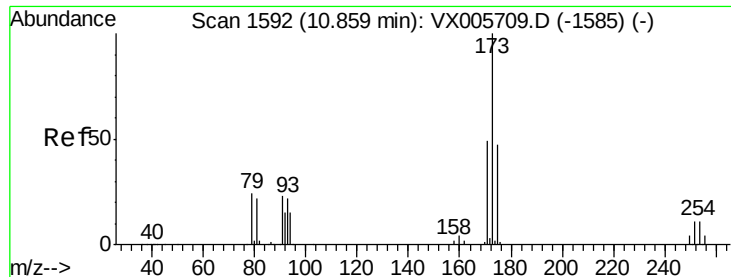
MMDadoda
11/1/2018 9:49:16 AM



#70
Styrene
Concen: 20.002 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	40.2	60.4	
103	56.0	44.9	67.3	





#71

Bromoform

Concen: 15.041 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 17462

Ion Ratio Lower Upper

173 100

175 52.0 24.8 74.3

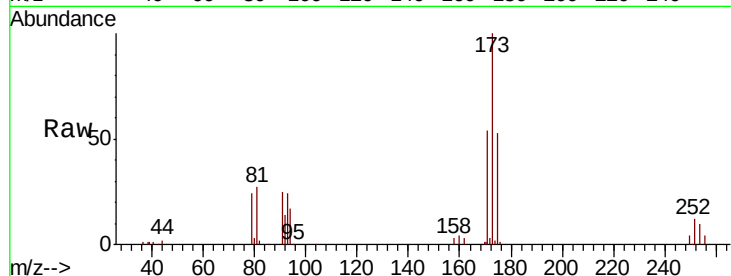
254 0.0 0.2 0.2#

Manual Integrations

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MMDadoda

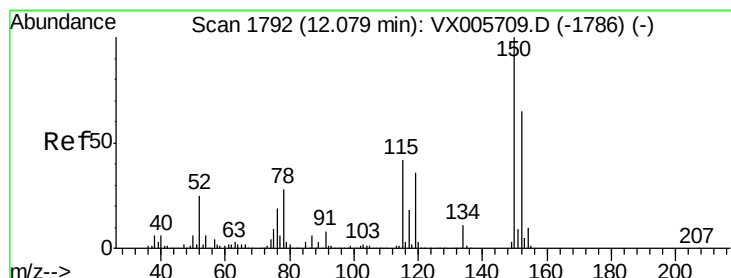
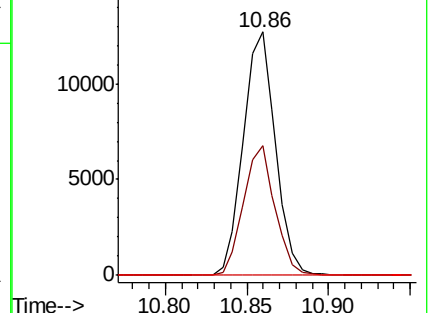
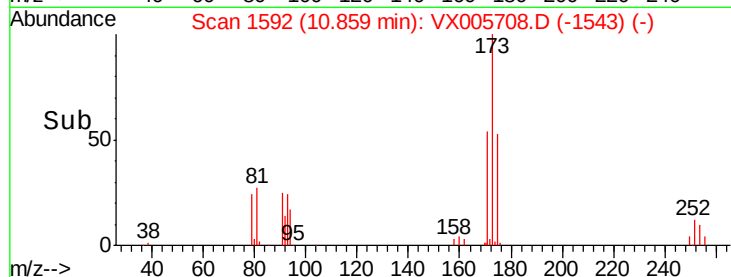
11/1/2018 9:49:16 AM



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: VX005708.D

Acq: 31 Oct 2018 14:54

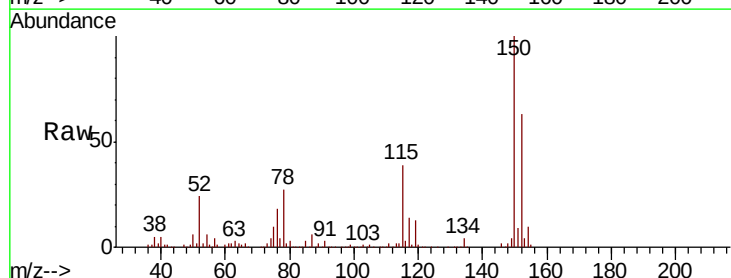
Tgt Ion:152 Resp: 87002

Ion Ratio Lower Upper

152 100

115 69.3 39.4 118.1

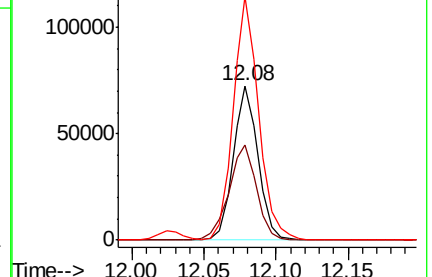
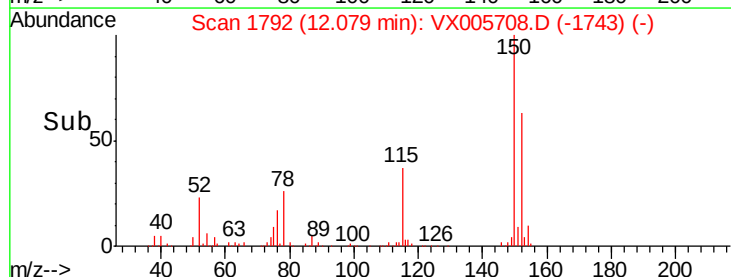
150 162.8 0.0 346.4

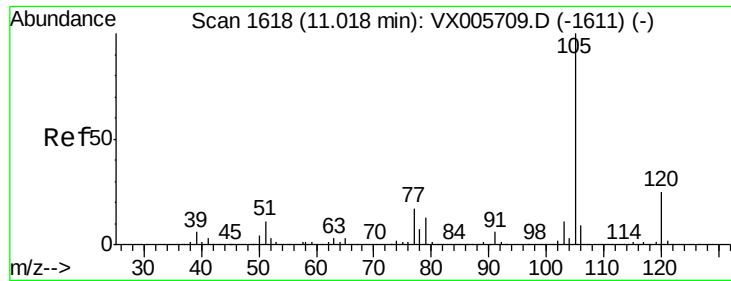


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





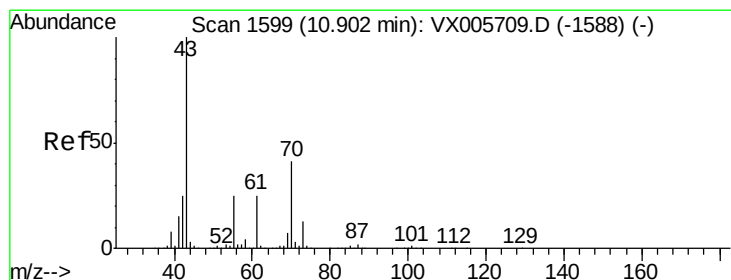
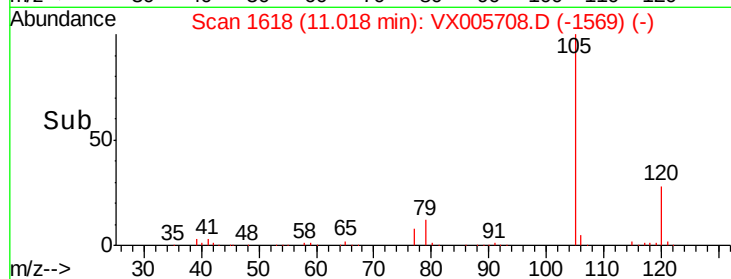
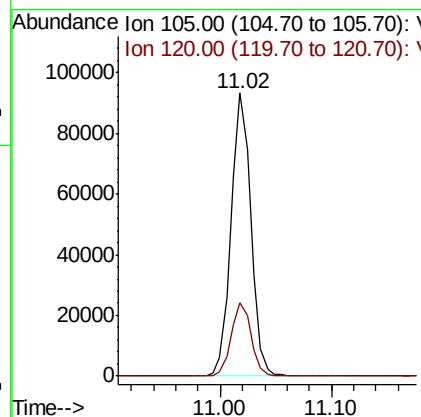
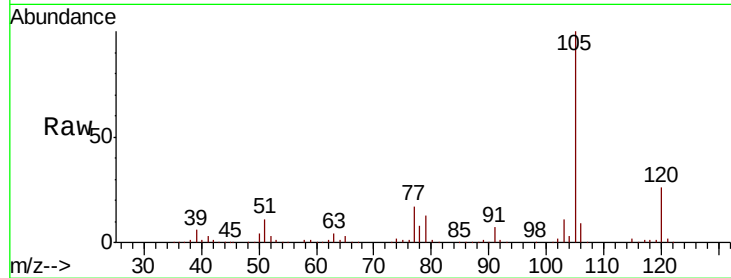
#73
Isopropylbenzene
Concen: 21.553 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

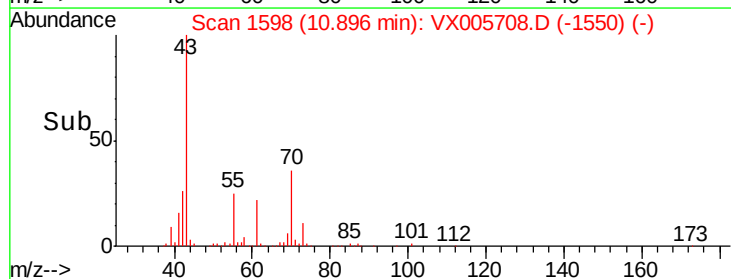
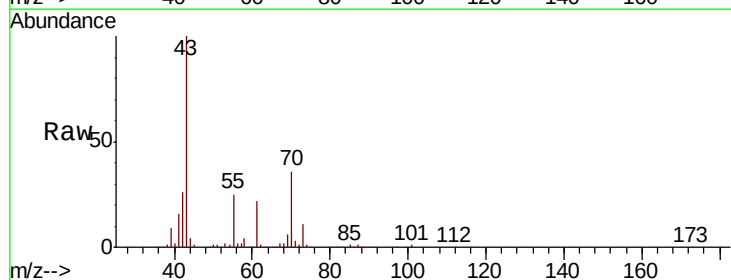
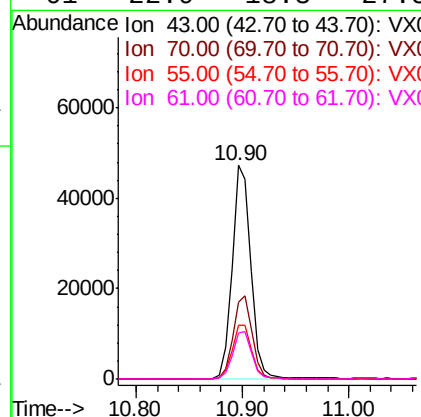
Manual Integrations
APPROVED

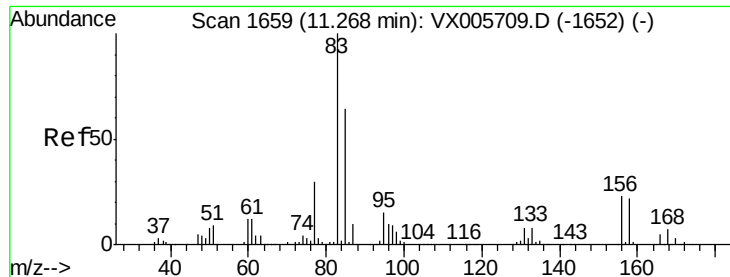
MMDadoda
11/1/2018 9:49:16 AM



#74
N-ethyl acetate
Concen: 22.223 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.6	47.4
55	26.7	19.7	29.5
61	22.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.465 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

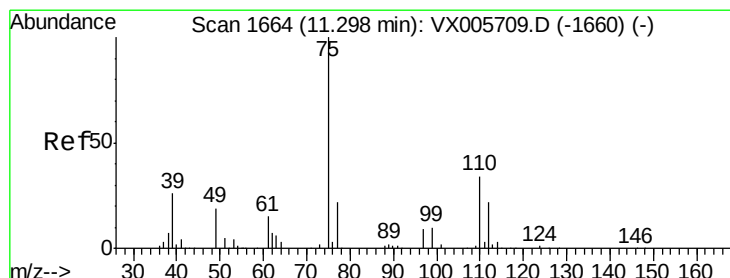
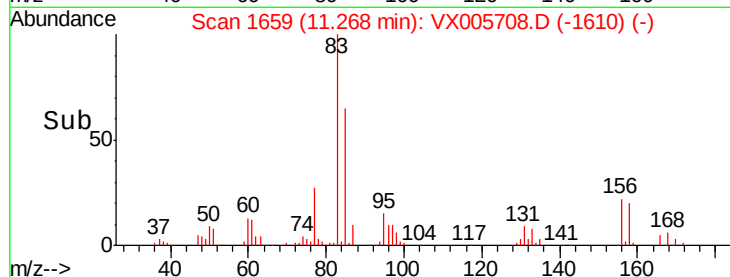
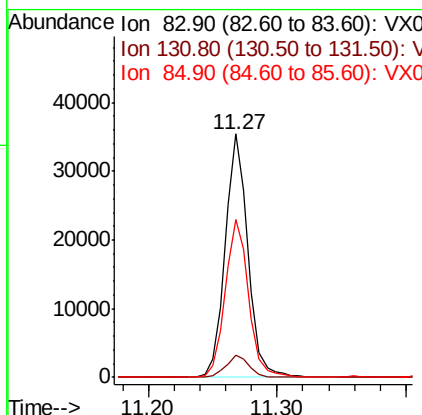
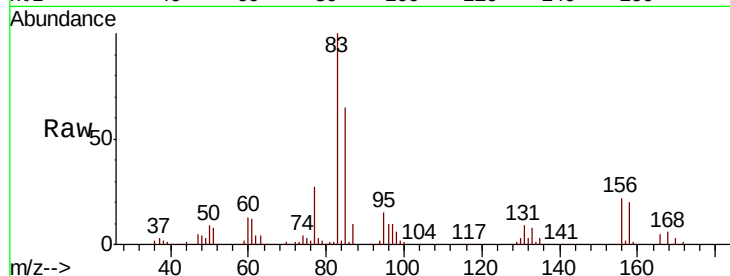
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	44077
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.3	15.9
85	66.5	32.0	96.2

Manual Integrations
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MMDadoda
11/1/2018 9:49:16 AM



#76

1,2,3-Trichloropropane

Concen: 23.325 ug/l m

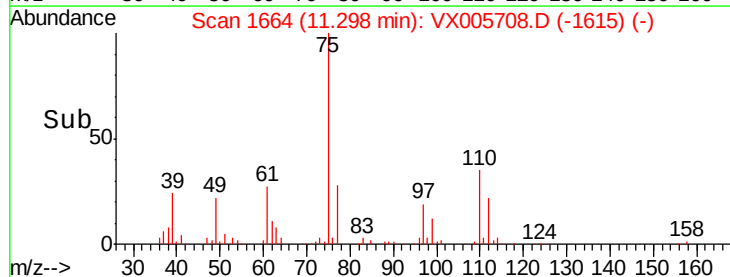
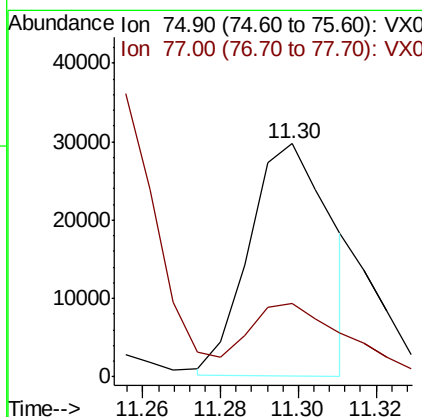
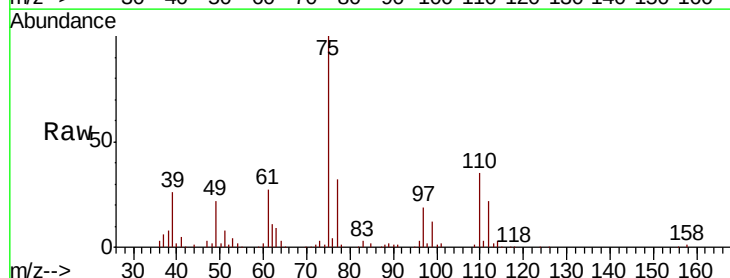
RT: 11.30 min Scan# 1664

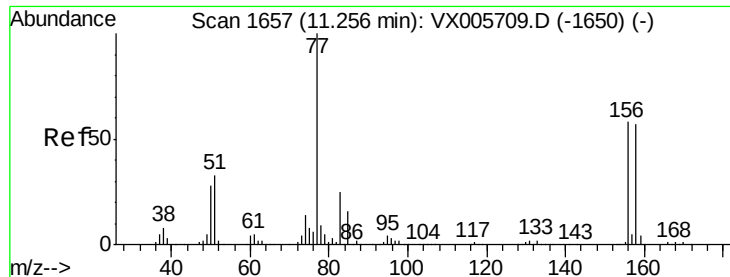
Delta R.T. 0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	75	Resp:	42997
Ion Ratio	Lower	Upper	
75	100		
77	37.9	20.5	61.6





#77

Bromobenzene

Concen: 18.897 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 28008

Ion Ratio Lower Upper

156 100

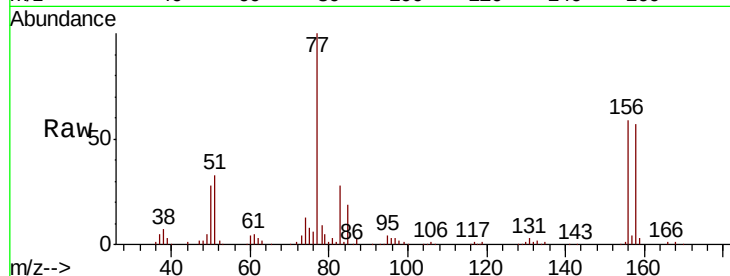
77 174.5 74.8 224.4

158 95.9 49.1 147.3

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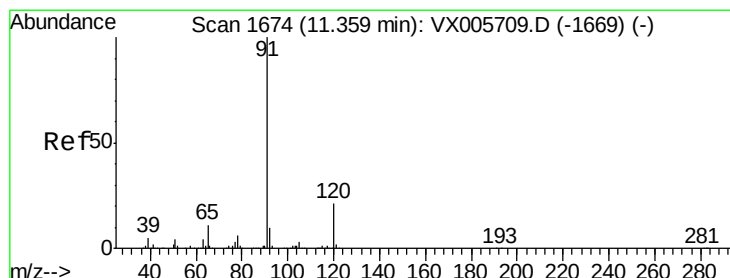
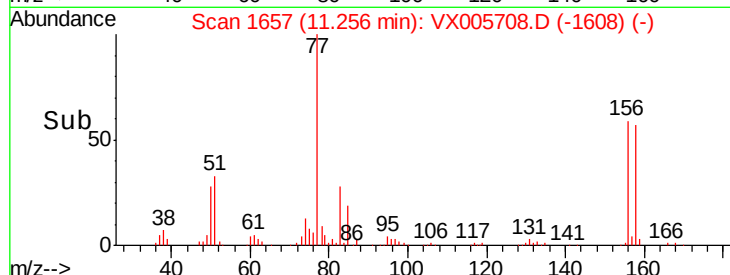
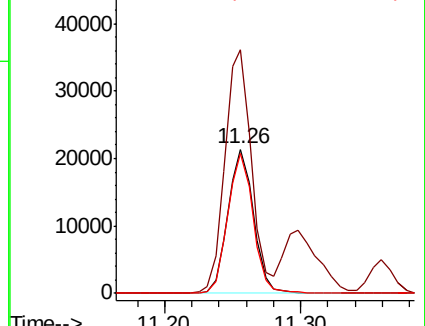
11/1/2018 9:49:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.082 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005708.D

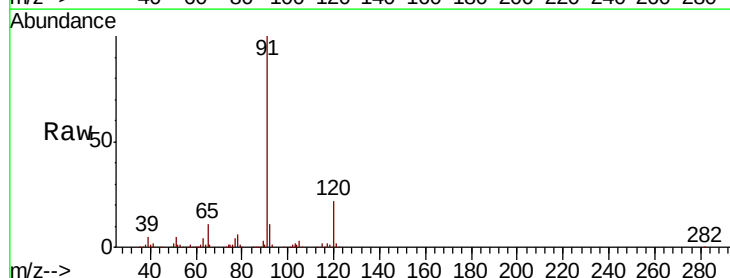
Acq: 31 Oct 2018 14:54

Tgt Ion: 91 Resp: 140366

Ion Ratio Lower Upper

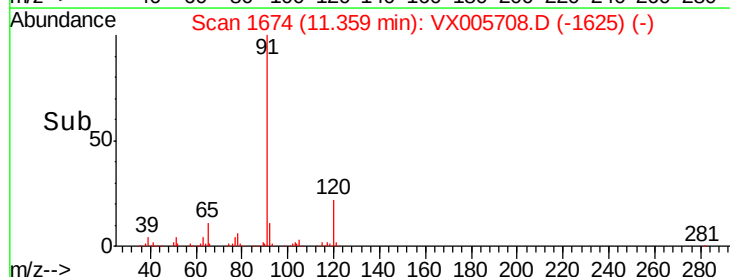
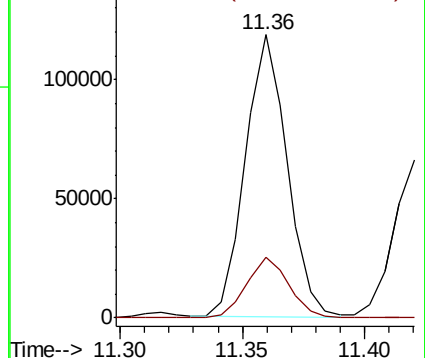
91 100

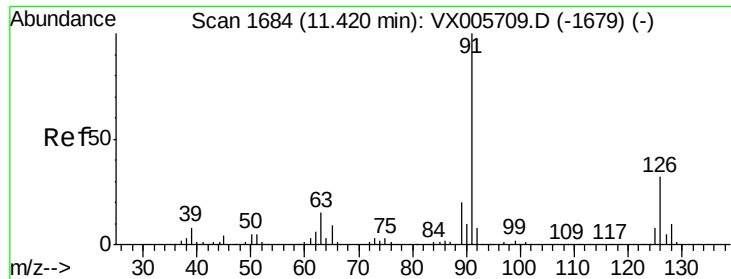
120 22.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.849 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 82384

Ion Ratio Lower Upper

91 100

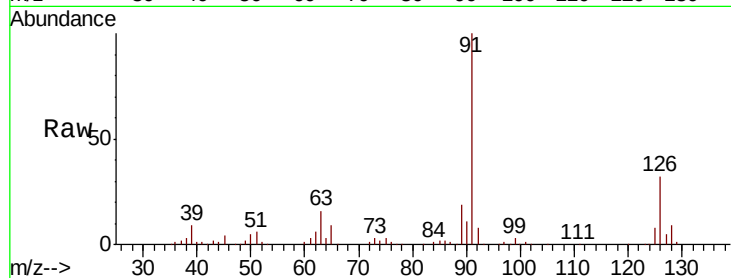
126 32.1 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005709.D (-1679) (-)

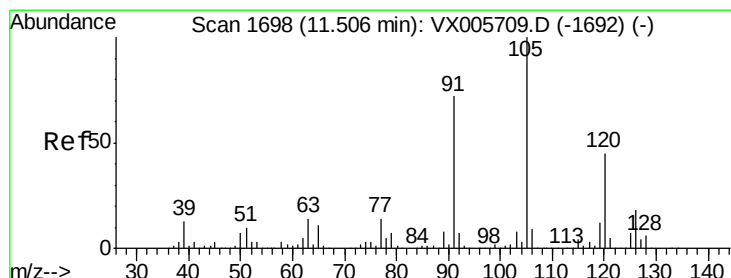
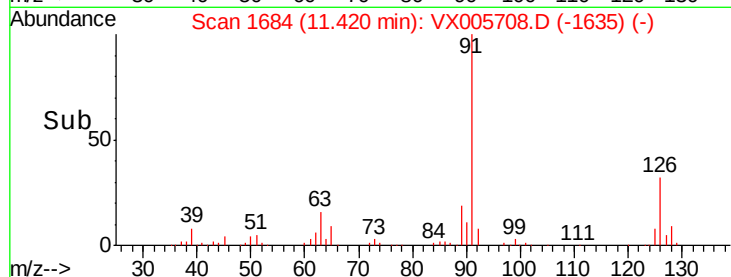
100000

50000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.535 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005708.D

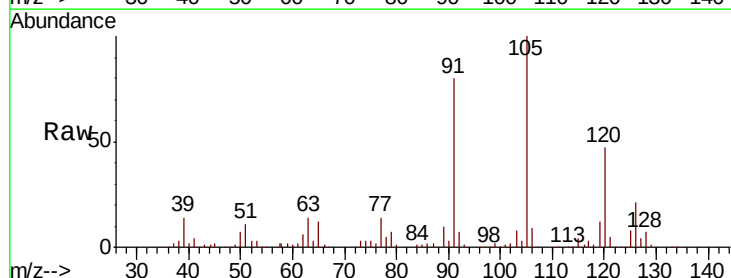
Acq: 31 Oct 2018 14:54

Tgt Ion: 105 Resp: 97972

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005709.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005709.D (-1692) (-)

80000

60000

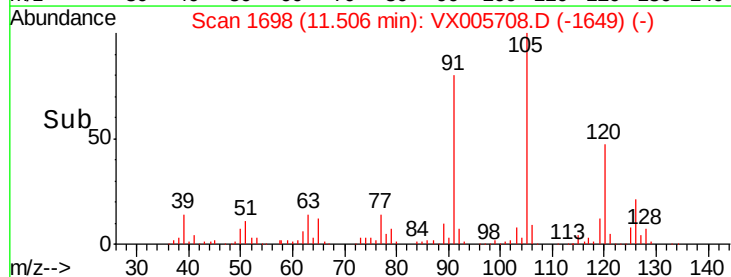
40000

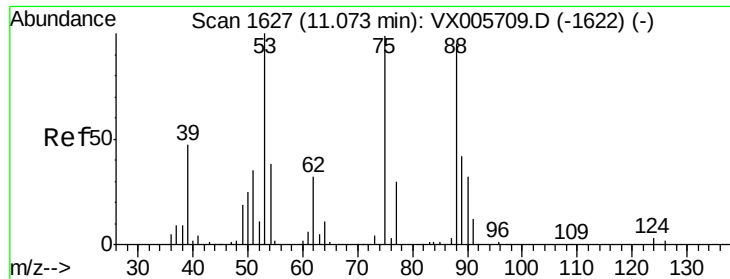
20000

0

11.50 11.51 11.52

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.085 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Instrument :

MSVOA_X

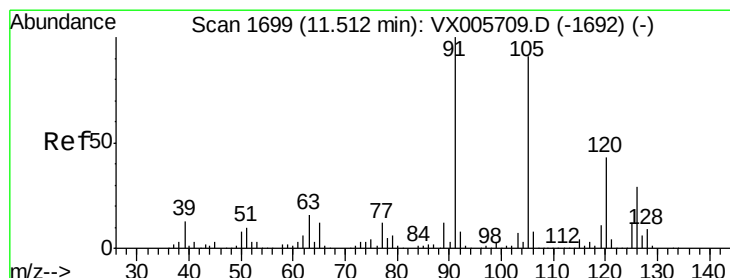
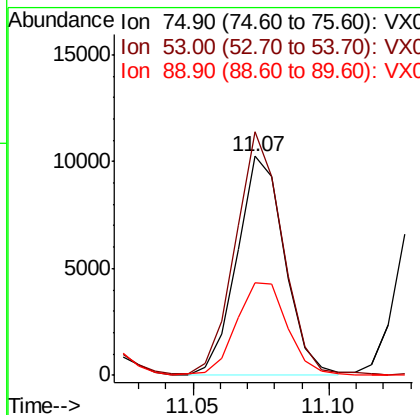
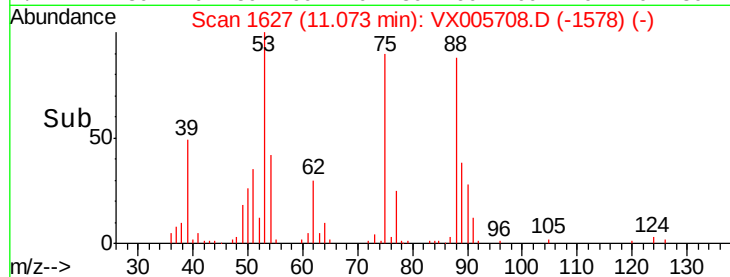
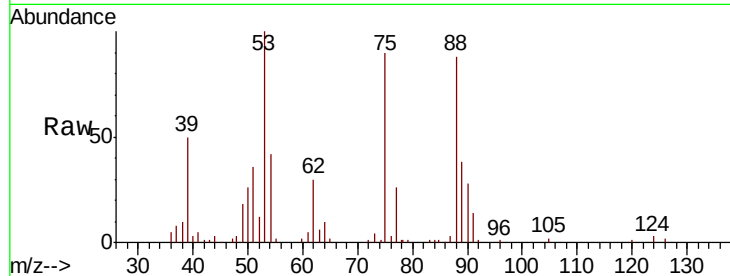
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	12459
Ion	Ratio	Lower	Upper
75	100		
53	109.7	80.2	120.2
89	45.4	39.8	59.8

Manual Integrations
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11/1/2018 9:49:16 AM



#82

4-Chlorotoluene

Concen: 22.105 ug/l

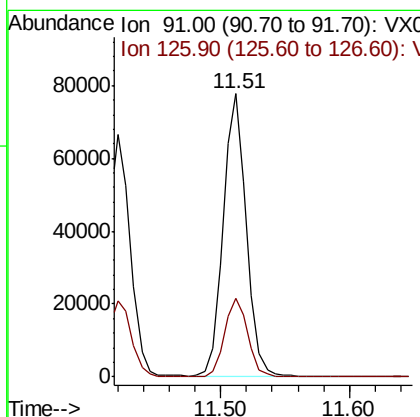
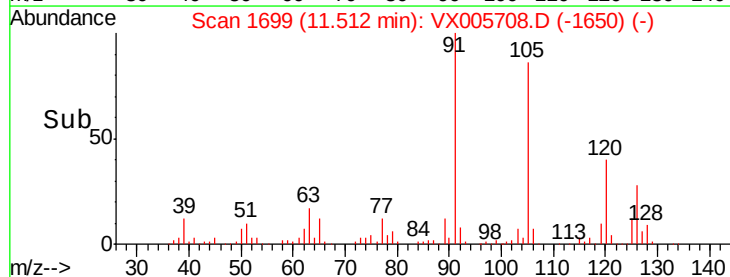
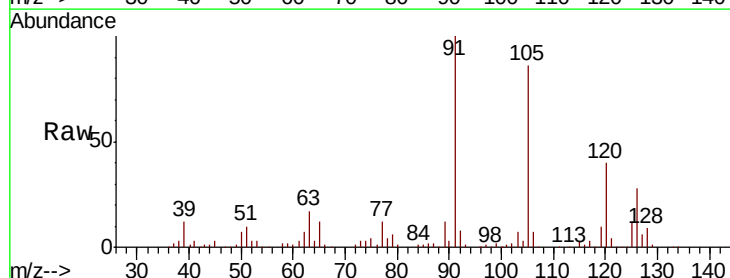
RT: 11.51 min Scan# 1699

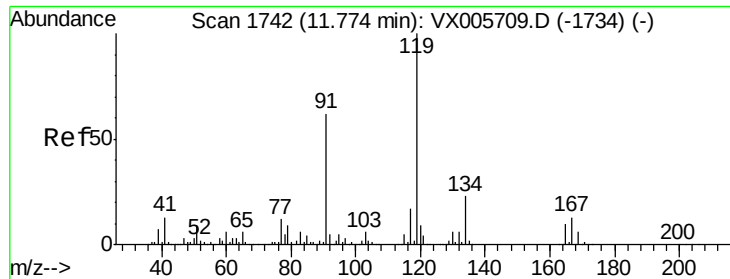
Delta R.T. -0.00 min

Lab File: VX005708.D

Acq: 31 Oct 2018 14:54

Tgt Ion:	91	Resp:	98281
Ion	Ratio	Lower	Upper
91	100		
126	27.7	15.2	45.6





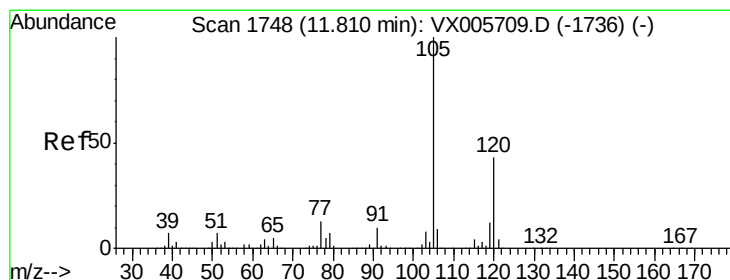
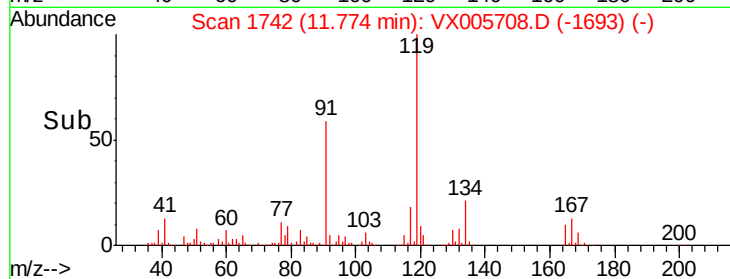
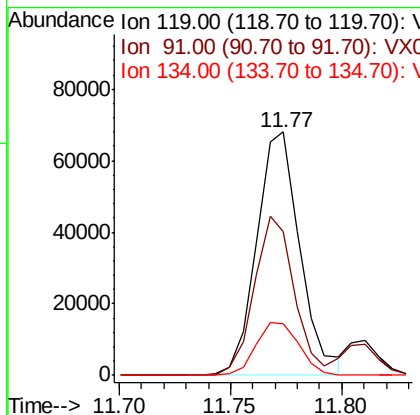
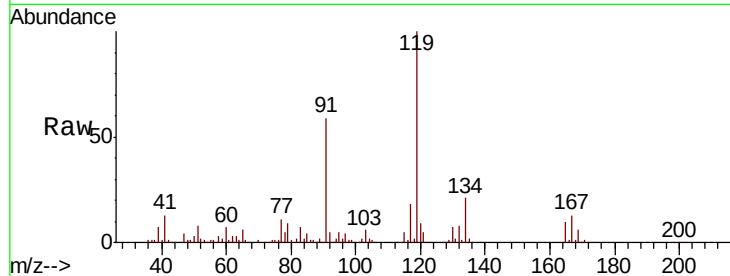
#83
 tert-Butylbenzene
 Concen: 20.294 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	28.5	85.5
134	21.9	11.3	33.8

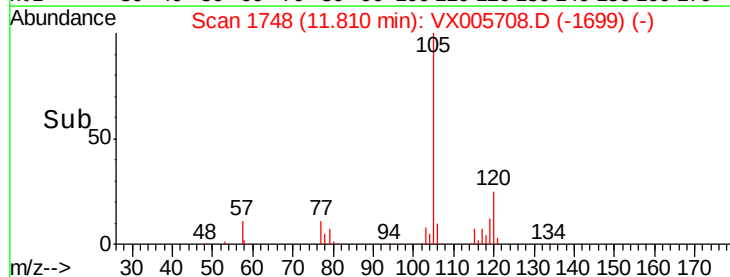
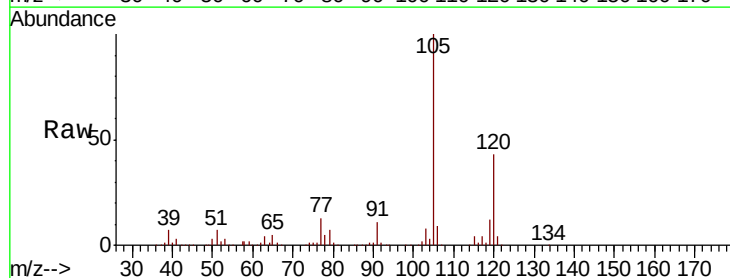
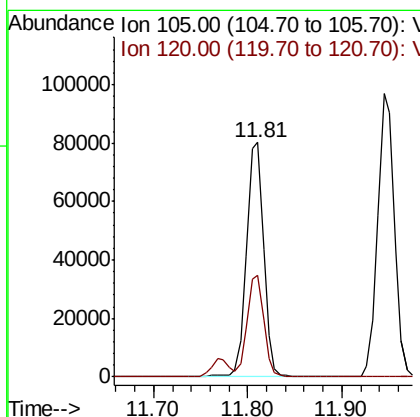
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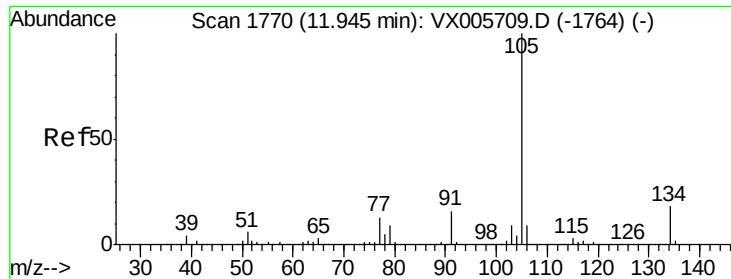
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 11/1/2018 9:49:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.130 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	22.4	67.0





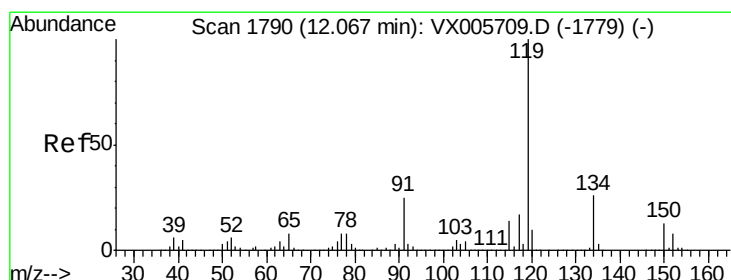
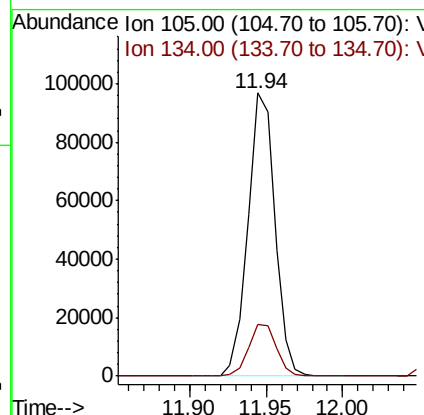
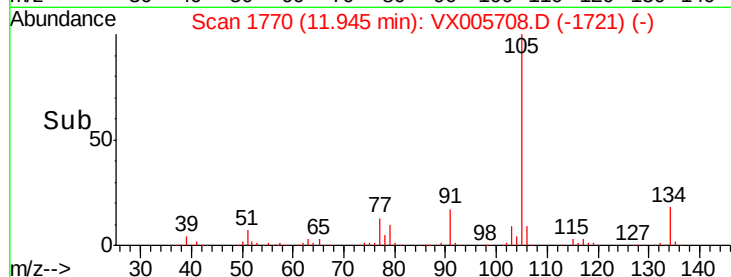
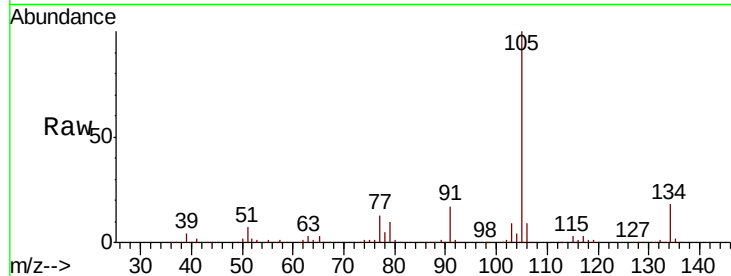
#85
 sec-Butylbenzene
 Concen: 21.993 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:105 Resp: 119015
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.2 30.4

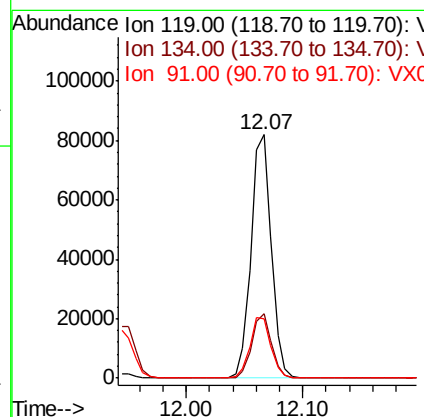
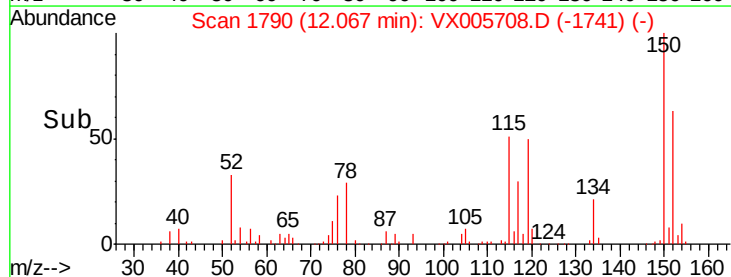
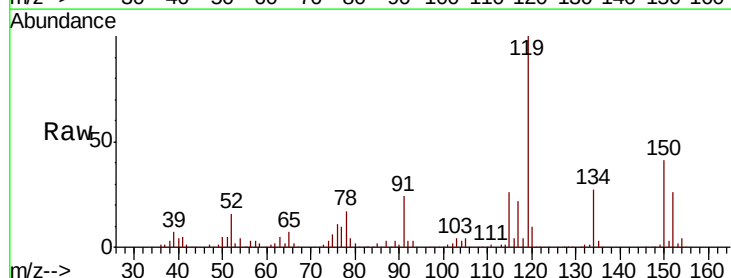
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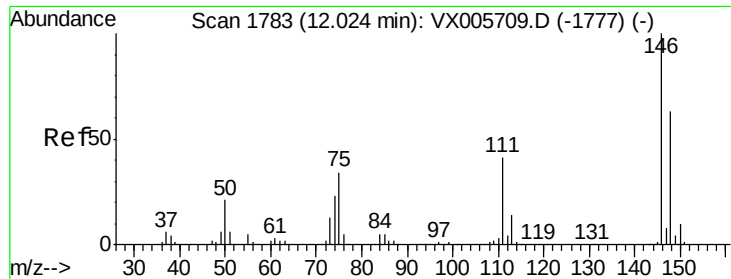
MMDadoda
 11/1/2018 9:49:16 AM



#86
 p-Isopropyltoluene
 Concen: 20.685 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion:119 Resp: 100063
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 25.7 11.4 34.2





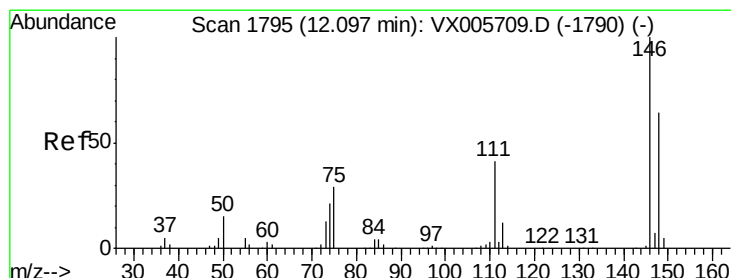
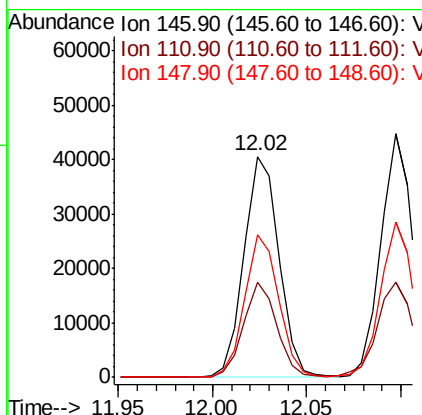
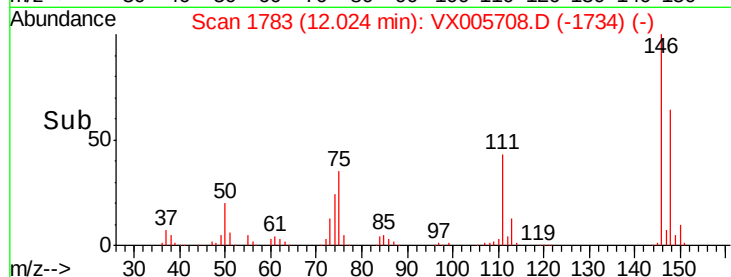
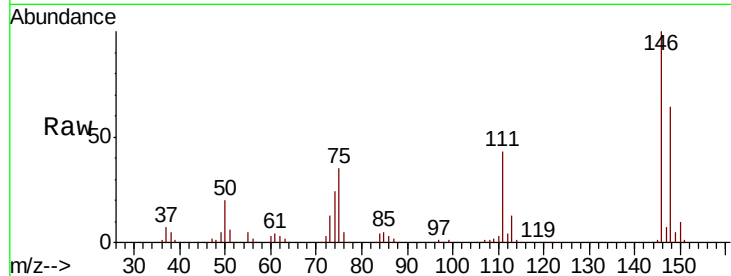
#87
 1,3-Dichlorobenzene
 Concen: 18.785 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.0	57.0
148	62.7	31.9	95.9

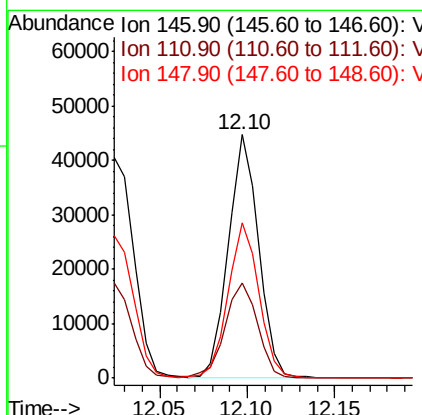
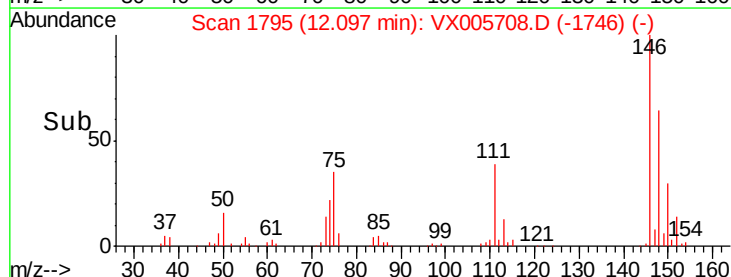
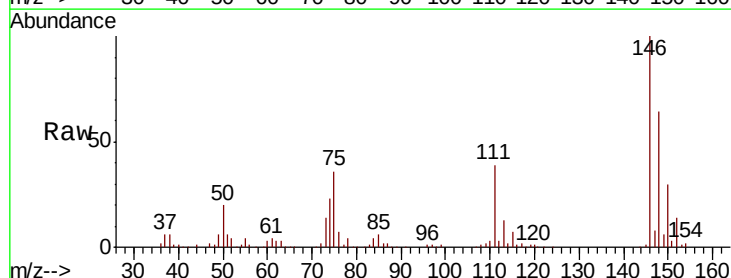
Manual Integrations
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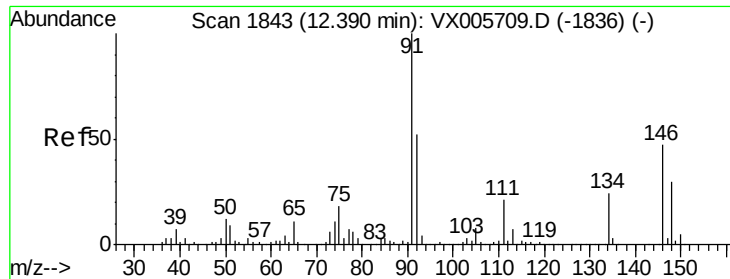
MMDadoda
 11/1/2018 9:49:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.529 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	18.6	55.8
148	65.1	32.1	96.3





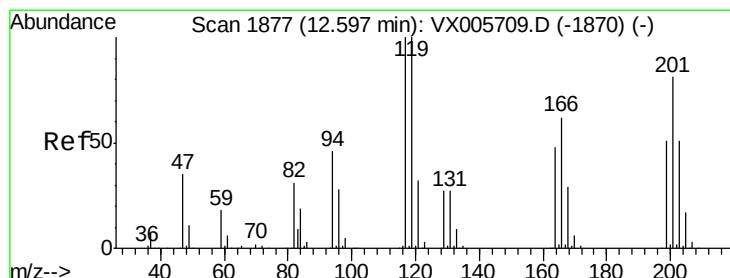
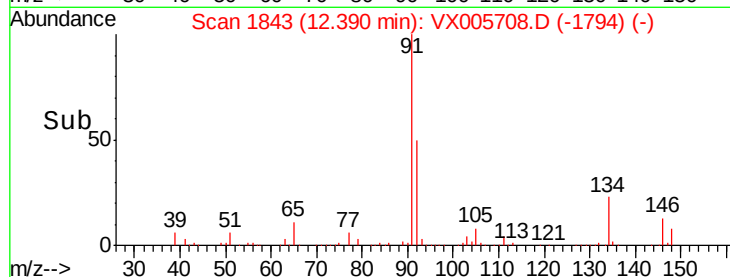
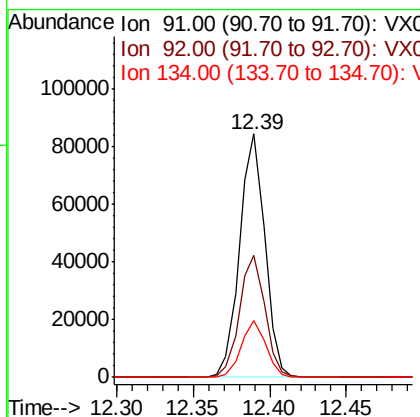
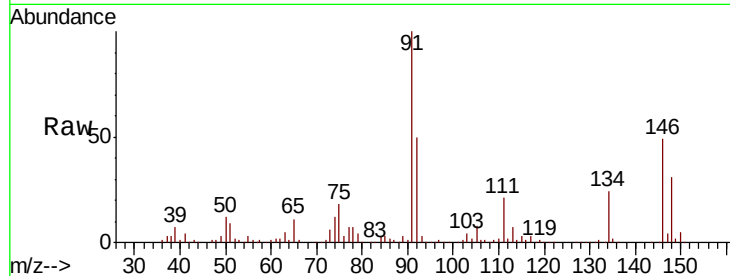
#89
n-Butylbenzene
Concen: 22.139 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.1	78.2
134	22.8	13.1	39.3

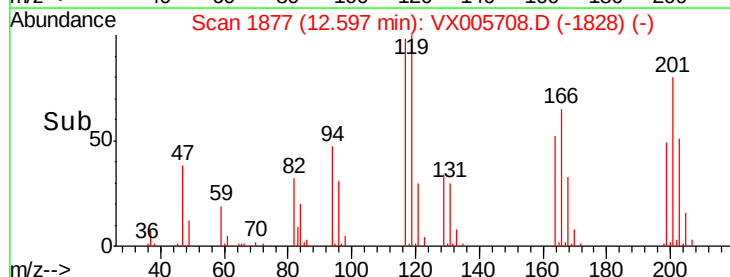
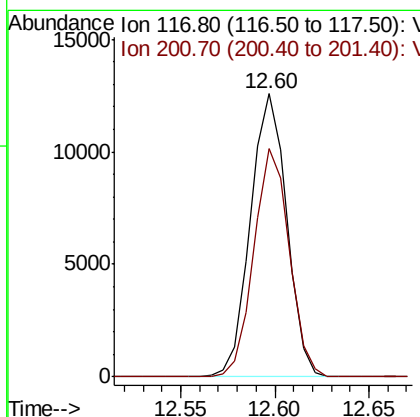
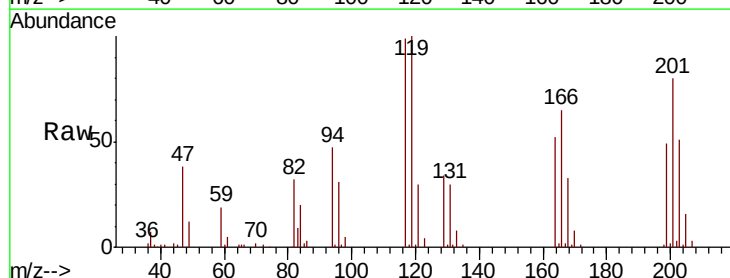
Manual Integrations
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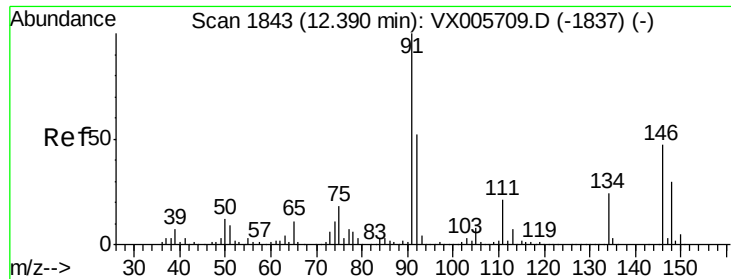
MMDadoda
11/1/2018 9:49:16 AM



#90
Hexachloroethane
Concen: 20.088 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	47.9	143.6





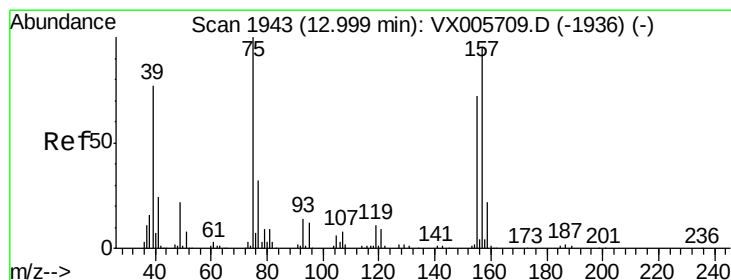
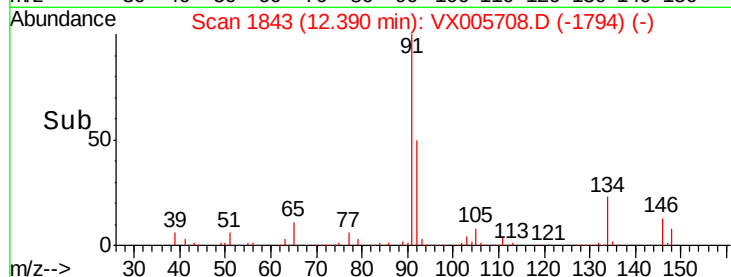
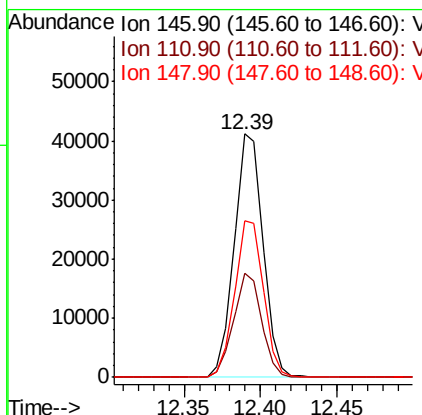
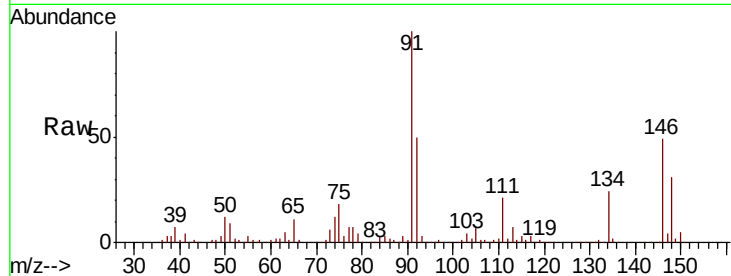
#91
 1,2-Dichlorobenzene
 Concen: 19.078 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	64.3	32.2	96.6

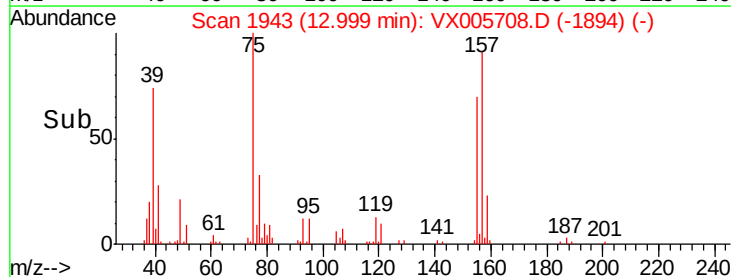
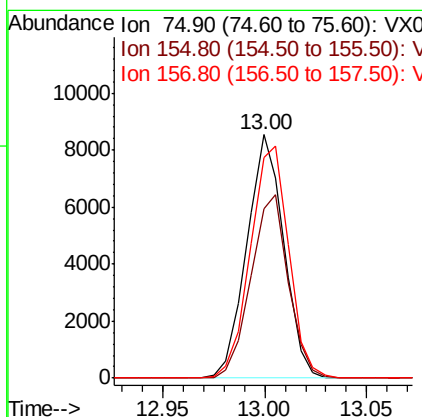
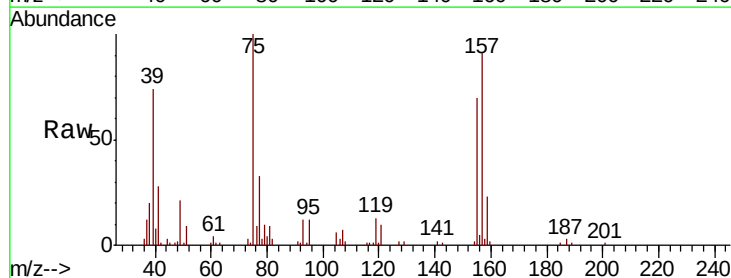
Manual Integrations
 APPROVED

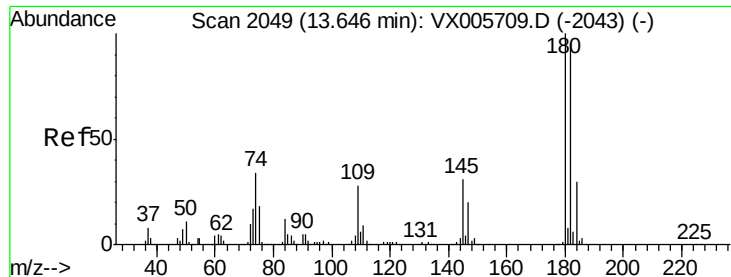
MMDadoda
 11/1/2018 9:49:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.660 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	45.4	136.1
157	99.3	57.4	172.0





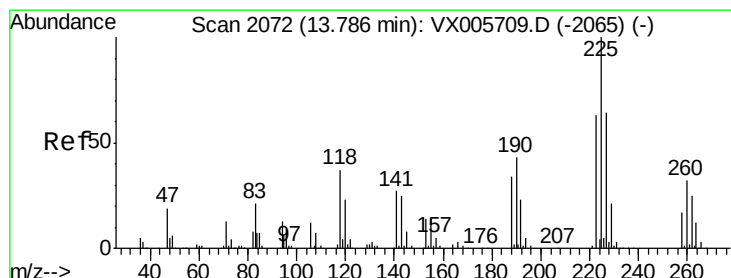
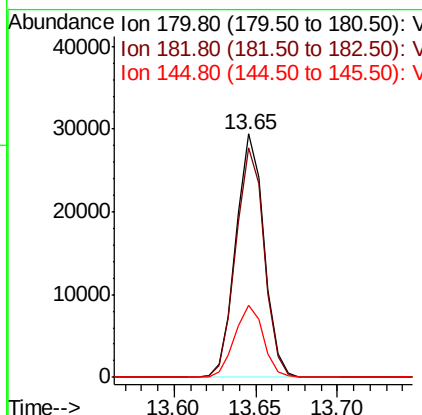
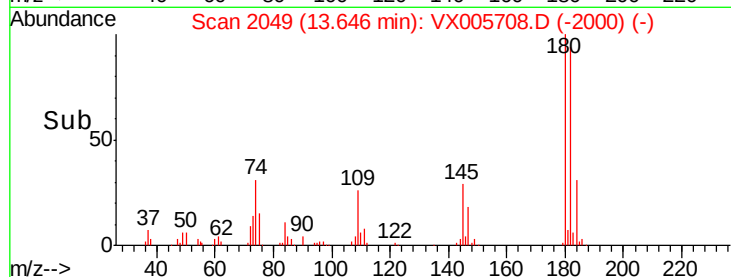
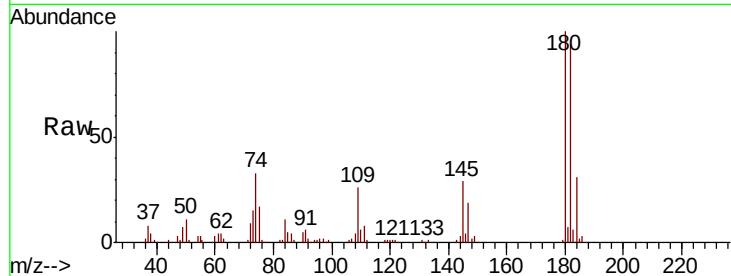
#93
 1,2,4-Trichlorobenzene
 Concen: 17.275 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	35312
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.8
145	29.9	14.1	42.2

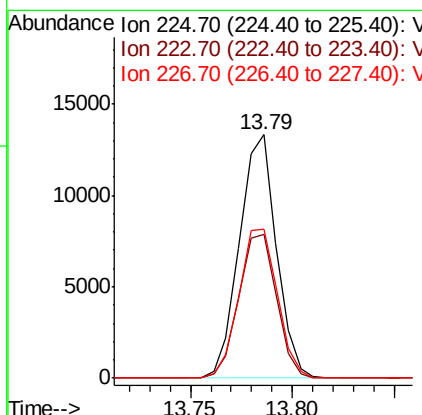
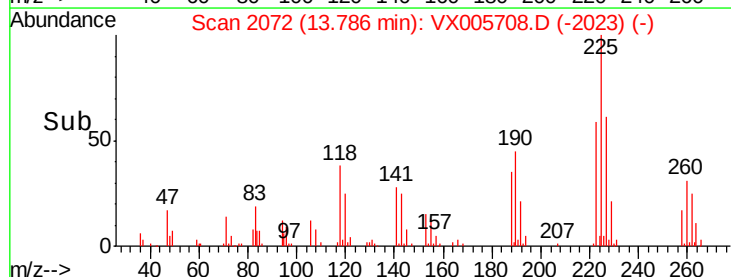
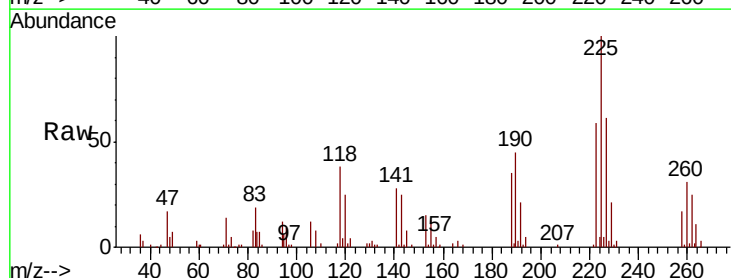
Manual Integrations
 APPROVED

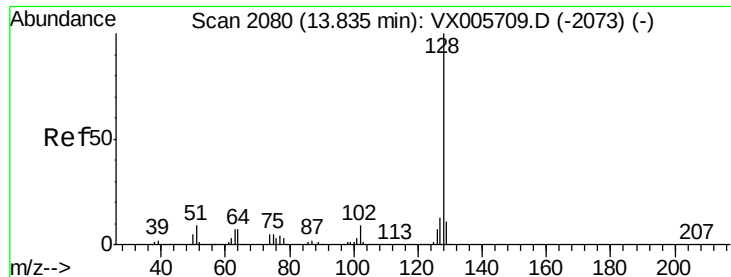
MMDadoda
 11/1/2018 9:49:16 AM



#94
 Hexachlorobutadiene
 Concen: 15.855 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005708.D
 Acq: 31 Oct 2018 14:54

Tgt Ion:	225	Resp:	16795
Ion Ratio	Lower	Upper	
225	100		
223	60.2	31.7	95.1
227	63.6	32.3	96.9





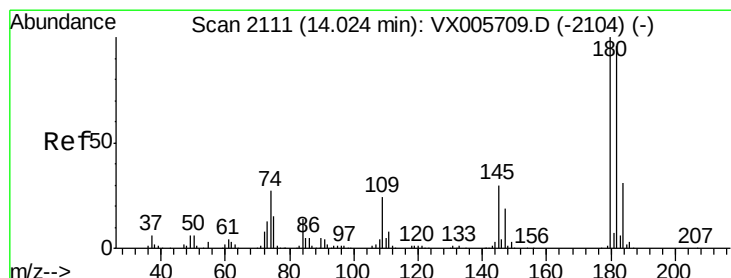
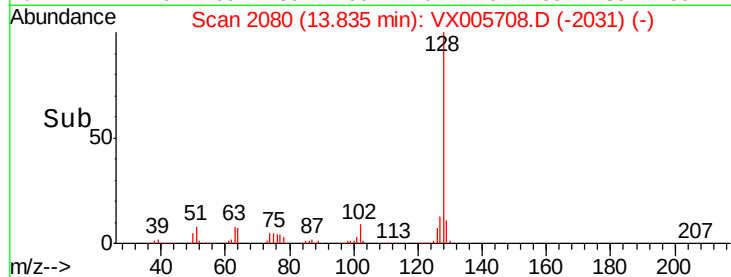
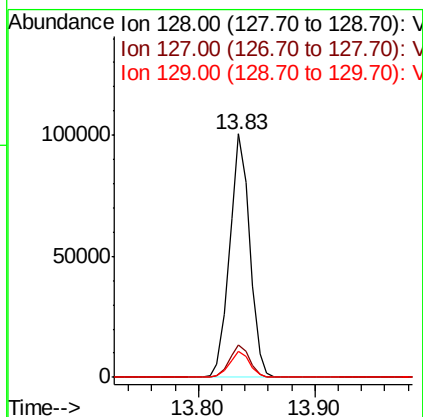
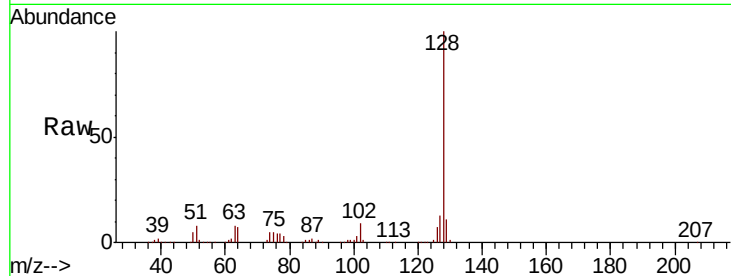
#95
Naphthalene
Concen: 20.314 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/1/2018 9:49:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.639 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005708.D
Acq: 31 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	32.0	15.1	45.3

