

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006510.D
 Acq On : 14 Dec 2018 11:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:12:09 PM

Quant Time: Dec 15 04:44:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	649735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	988366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	899635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	494672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	328844	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.50	113	314041	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.71	98	1119292	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	444650	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	309513	48.652	ug/l	98
3) Chloromethane	1.33	50	317196	48.519	ug/l	97
4) Vinyl Chloride	1.41	62	349539	49.678	ug/l	98
5) Bromomethane	1.64	94	322010	66.036	ug/l	98
6) Chloroethane	1.72	64	209247	48.503	ug/l	99
7) Trichlorofluoromethane	1.93	101	554517	51.341	ug/l	99
8) Diethyl Ether	2.19	74	208585	51.028	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	333932	54.373	ug/l	99
10) Methyl Iodide	2.51	142	509325	55.030	ug/l	98
11) Tert butyl alcohol	3.07	59	396977	218.852	ug/l	100
12) 1,1-Dichloroethene	2.37	96	298632	50.795	ug/l	95
13) Acrolein	2.29	56	225976	227.933	ug/l	98
14) Allyl chloride	2.73	41	513767	44.238	ug/l	97
15) Acrylonitrile	3.15	53	873522	230.774	ug/l	100
16) Acetone	2.45	43	765686	245.987	ug/l	95
17) Carbon Disulfide	2.57	76	808450	44.625	ug/l	100
18) Methyl Acetate	2.78	43	483279	46.427	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	1021493	48.704	ug/l	99
20) Methylene Chloride	2.85	84	331577	50.052	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	323036	51.560	ug/l	91
22) Diisopropyl ether	3.87	45	926612	51.081	ug/l	96
23) Vinyl Acetate	3.82	43	3839154	248.134	ug/l	99
24) 1,1-Dichloroethane	3.70	63	532194	51.328	ug/l	99
25) 2-Butanone	4.70	43	1082836	243.806	ug/l	98
26) 2,2-Dichloropropane	4.58	77	483726	50.552	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	372789	53.343	ug/l	98
28) Bromochloromethane	5.02	49	224156	49.495	ug/l	100
29) Tetrahydrofuran	5.15	42	727790	235.778	ug/l	97
30) Chloroform	5.21	83	577285	52.981	ug/l	99
31) Cyclohexane	5.57	56	503800	52.577	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	523432	50.489	ug/l	100
36) 1,1-Dichloropropene	5.80	75	436623	52.460	ug/l	100
37) Ethyl Acetate	4.85	43	425167	45.615	ug/l	98
38) Carbon Tetrachloride	5.78	117	472500	48.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	591955	54.792	ug/l	97
40) Benzene	6.14	78	1300204	52.158	ug/l	100
41) Methacrylonitrile	5.06	41	235013	45.823	ug/l	98
42) 1,2-Dichloroethane	6.20	62	429598	52.656	ug/l	100
43) Isopropyl Acetate	6.46	43	707365	45.518	ug/l	99
44) Trichloroethene	7.21	130	397799	52.676	ug/l	95
45) 1,2-Dichloropropane	7.51	63	321061	50.676	ug/l	100
46) Dibromomethane	7.66	93	232896	50.899	ug/l	96
47) Bromodichloromethane	7.90	83	427406	48.235	ug/l	99
48) Methyl methacrylate	7.77	41	356914	47.210	ug/l	98
49) 1,4-Dioxane	7.75	88	181361	973.320	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2193033	242.412	ug/l	98
52) Toluene	8.79	92	858777	52.364	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	487305	47.024	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	524179	48.712	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	352335	52.882	ug/l	98
56) Ethyl methacrylate	9.18	69	519660	49.891	ug/l	97
57) 1,3-Dichloropropane	9.37	76	554002	52.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1221905	231.177	ug/l	100
59) 2-Hexanone	9.49	43	1673826	242.172	ug/l	99
60) Dibromochloromethane	9.59	129	384344	46.781	ug/l	99
61) 1,2-Dibromoethane	9.67	107	388200	52.108	ug/l	99
64) Tetrachloroethene	9.34	164	365942	54.013	ug/l	99
65) Chlorobenzene	10.14	112	1017718	53.291	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	365555	49.266	ug/l	99
67) Ethyl Benzene	10.25	91	1668402	52.527	ug/l	100
68) m/p-Xylenes	10.36	106	1360317	106.917	ug/l	99
69) o-Xylene	10.70	106	661876	52.666	ug/l	99
70) Styrene	10.71	104	1074049	52.841	ug/l	99
71) Bromoform	10.86	173	301687	43.072	ug/l	99
73) Isopropylbenzene	11.02	105	1749866	51.223	ug/l	100
74) N-amyl acetate	10.90	43	662786	45.055	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	520238	47.602	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	500333m	52.402	ug/l	
77) Bromobenzene	11.26	156	483347	50.984	ug/l	100
78) n-propylbenzene	11.36	91	1987542	52.340	ug/l	100
79) 2-Chlorotoluene	11.42	91	1161963	51.482	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1473768	51.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	169353	41.624	ug/l	94
82) 4-Chlorotoluene	11.51	91	1355969	51.673	ug/l	100
83) tert-Butylbenzene	11.77	119	1538674	50.737	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1531552	52.183	ug/l	99
85) sec-Butylbenzene	11.94	105	1835604	53.205	ug/l	100
86) p-Isopropyltoluene	12.06	119	1650513	53.128	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	898406	53.258	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	890254	51.996	ug/l	100
89) n-Butylbenzene	12.38	91	1441943	54.398	ug/l	100
90) Hexachloroethane	12.60	117	278238	43.943	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	855236	51.084	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	113390	40.474	ug/l	96

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VSTDCCC050

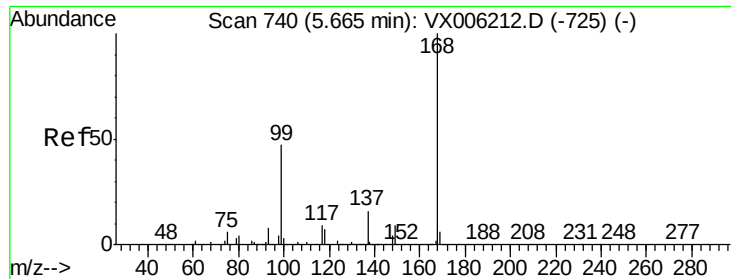
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	628351	51.444	ug/l	99
94) Hexachlorobutadiene	13.78	225	302177	55.942	ug/l	99
95) Naphthalene	13.83	128	1886545	49.654	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	622518	51.457	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 649735

Ion Ratio Lower Upper

168 100

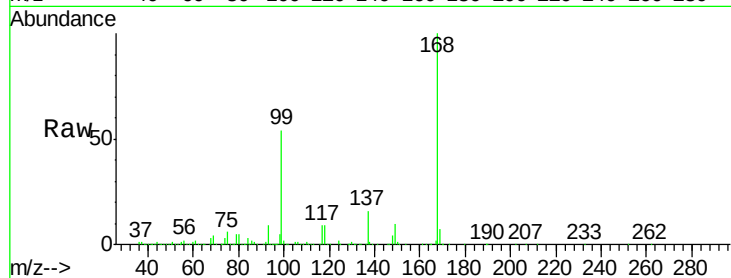
99 53.7 37.8 56.8

Manual Integrations

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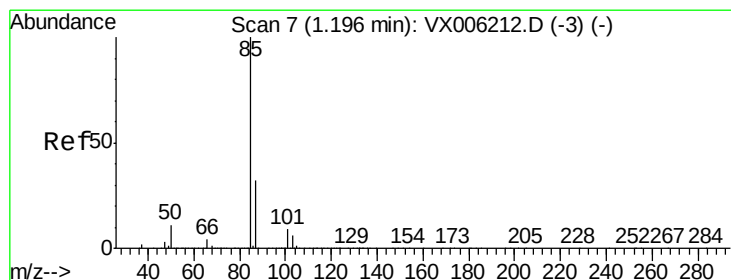
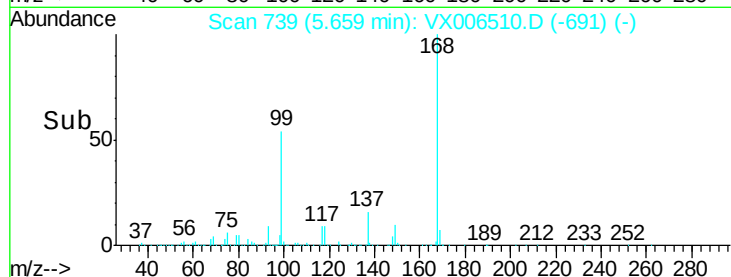
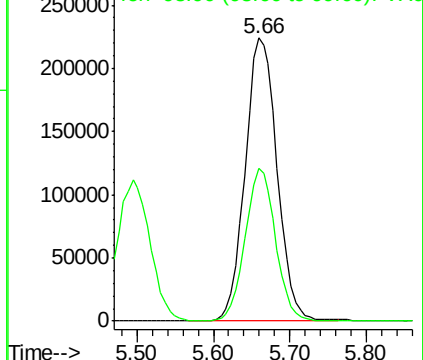
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.652 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006510.D

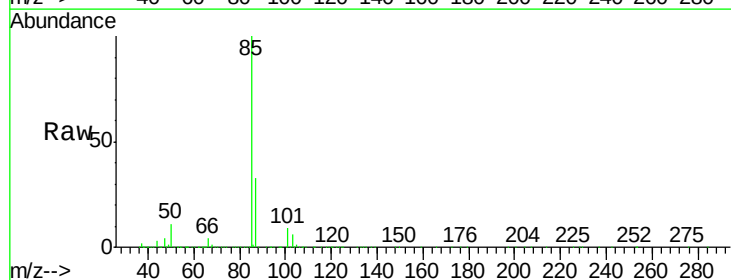
Acq: 14 Dec 2018 11:33

Tgt Ion: 85 Resp: 309513

Ion Ratio Lower Upper

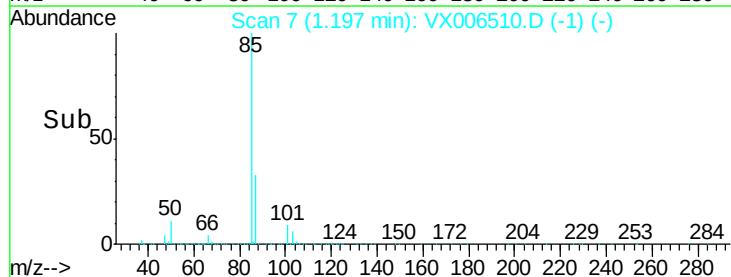
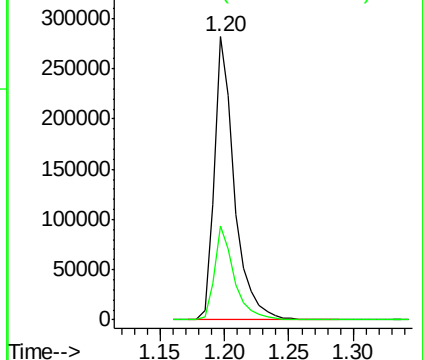
85 100

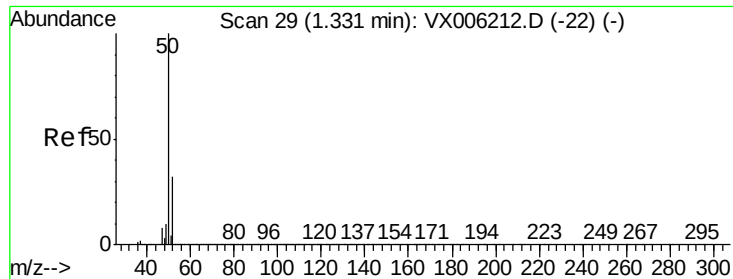
87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.519 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 317196

Ion Ratio Lower Upper

50 100

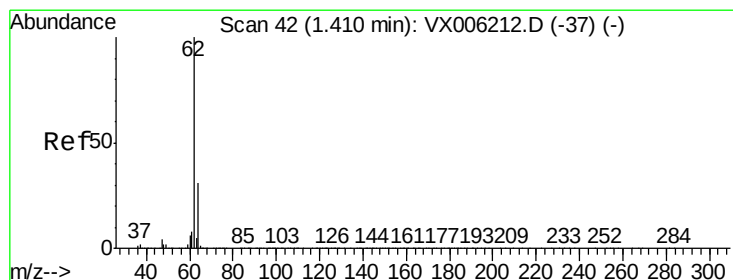
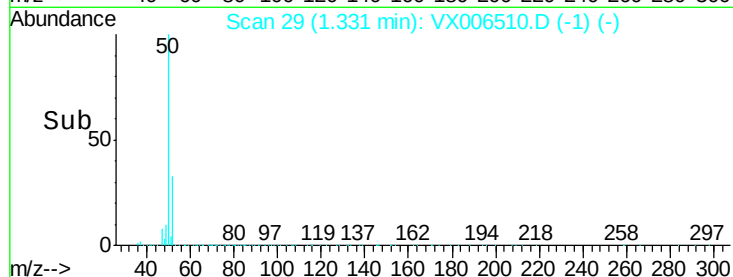
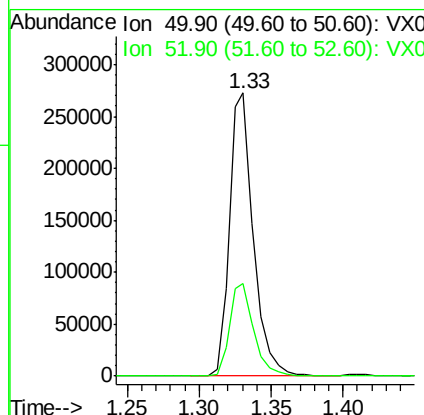
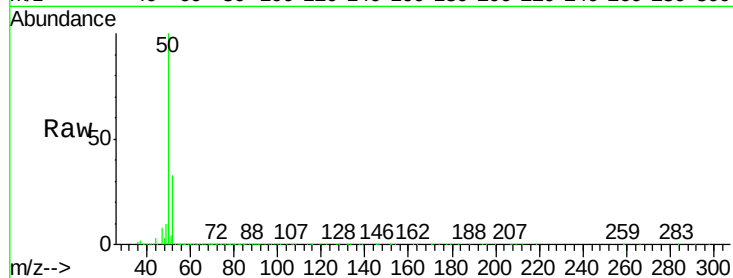
52 32.9 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.678 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006510.D

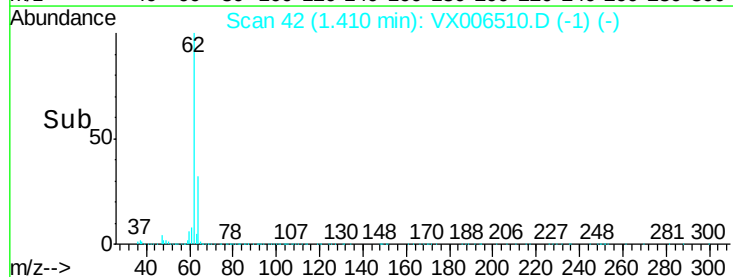
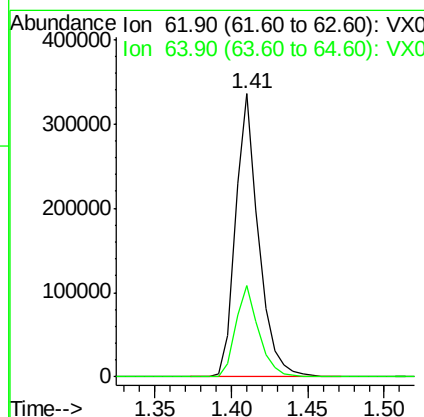
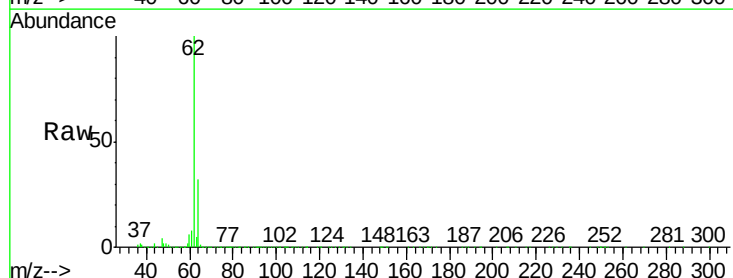
Acq: 14 Dec 2018 11:33

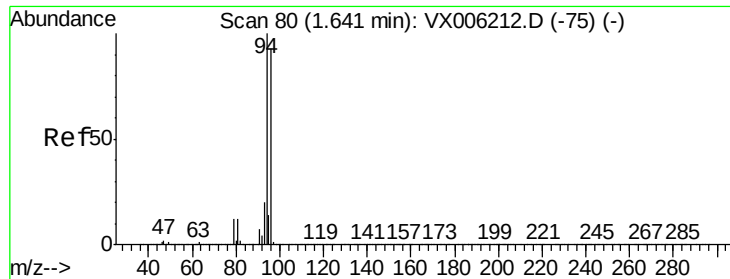
Tgt Ion: 62 Resp: 349539

Ion Ratio Lower Upper

62 100

64 32.4 24.9 37.3





#5

Bromomethane

Concen: 66.036 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 322010

Ion Ratio Lower Upper

94 100

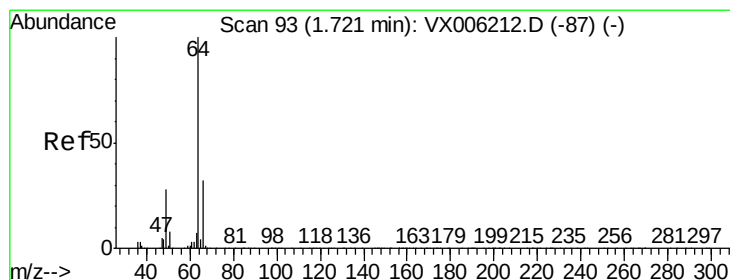
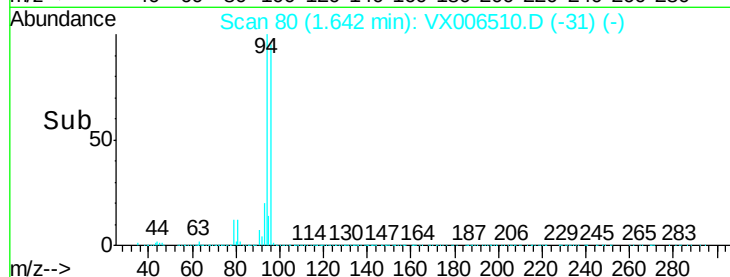
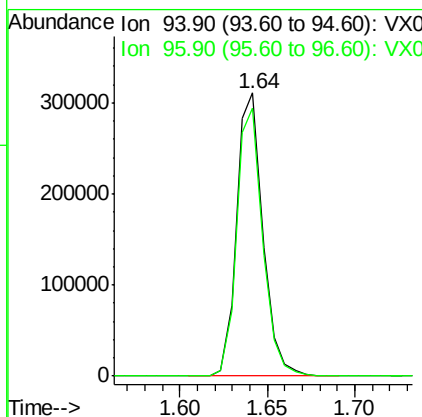
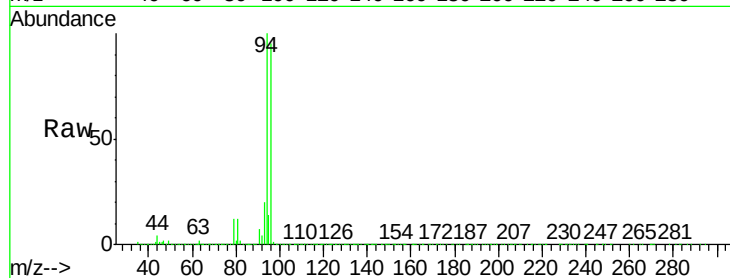
96 94.8 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 48.503 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006510.D

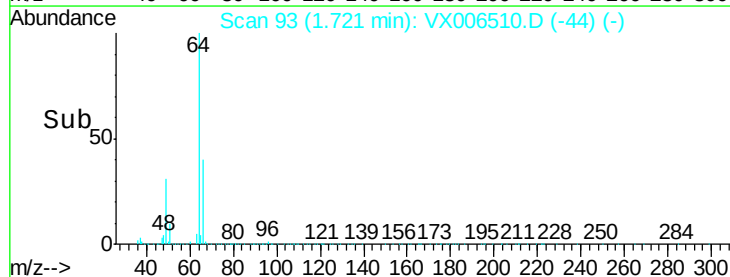
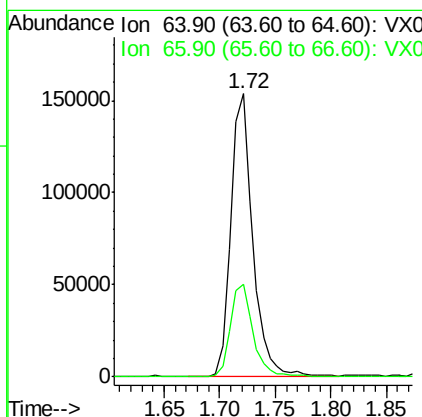
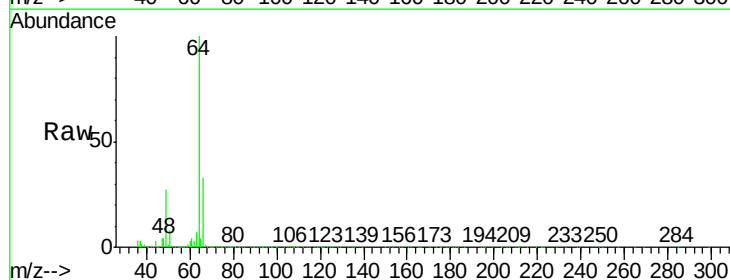
Acq: 14 Dec 2018 11:33

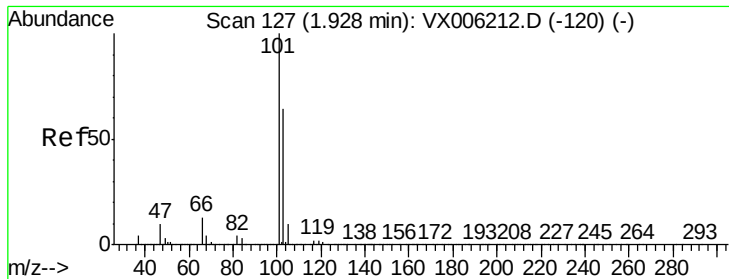
Tgt Ion: 64 Resp: 209247

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9





#7

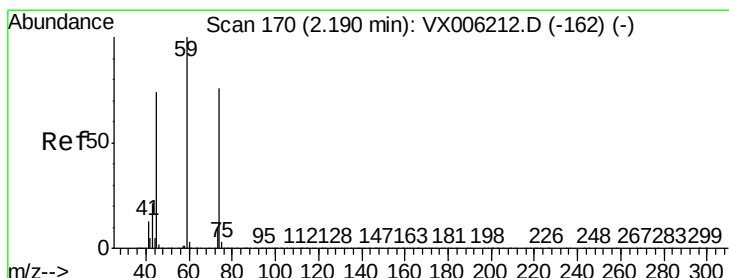
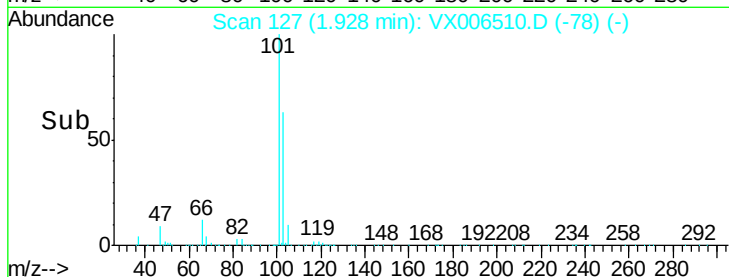
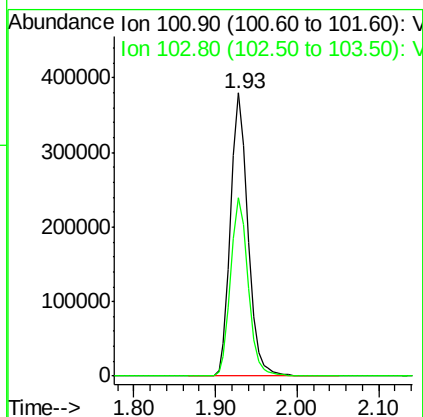
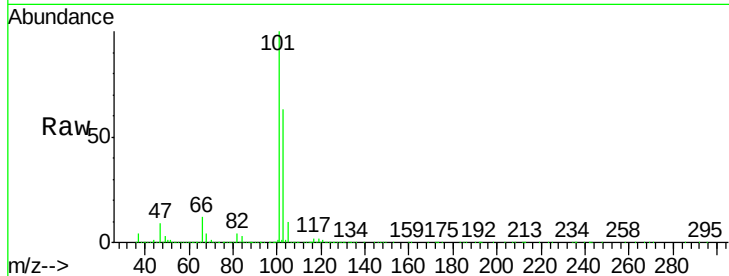
Trichlorofluoromethane
Concen: 51.341 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	554517		
103	63.1	51.0	76.4	

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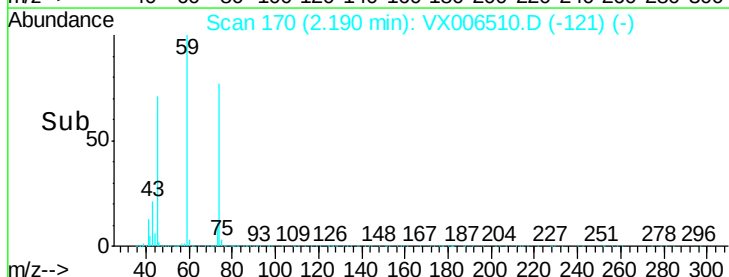
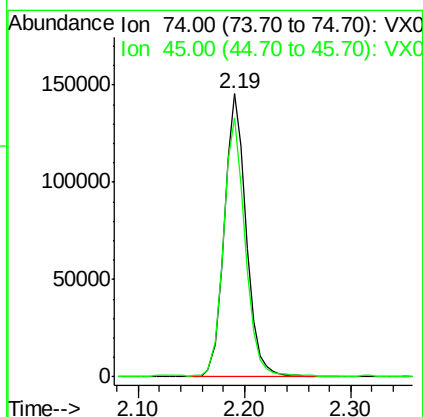
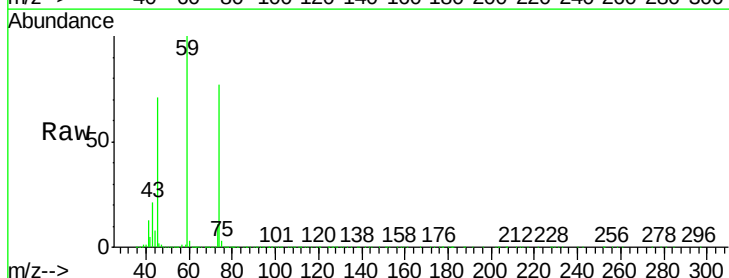
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12/17/2018 12:12:09 PM

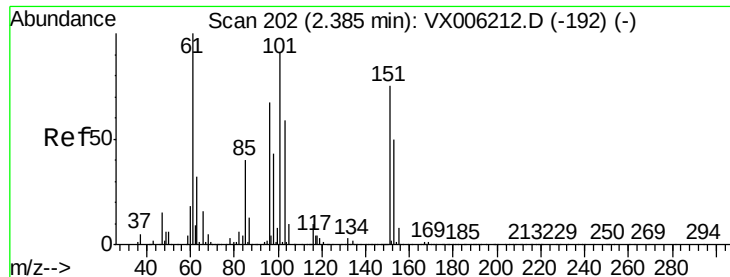


#8

Diethyl Ether
Concen: 51.028 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	208585		
45	90.9	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.373 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

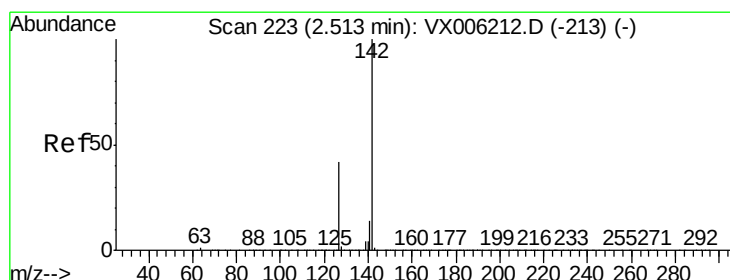
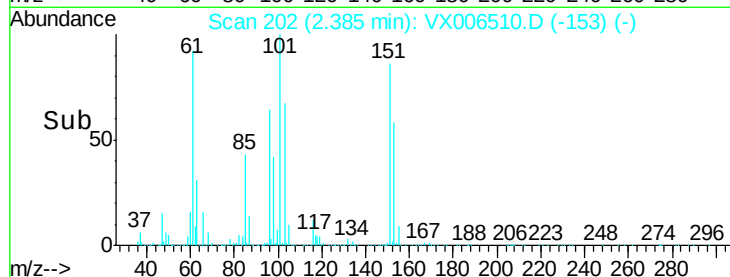
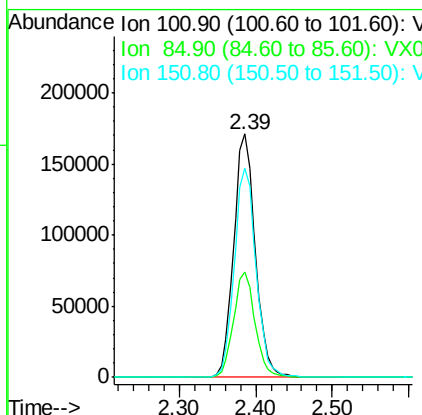
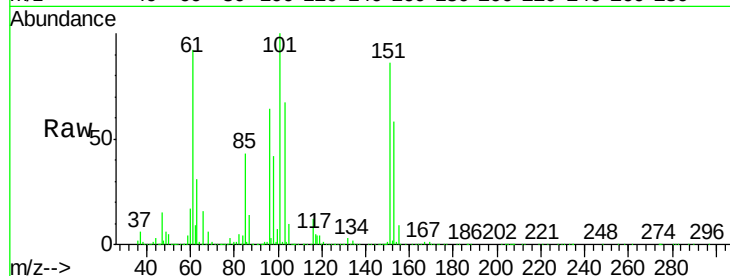
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	333932
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.5	53.3
151	86.6	68.6	103.0

Manual Integrations
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#10

Methyl Iodide

Concen: 55.030 ug/l

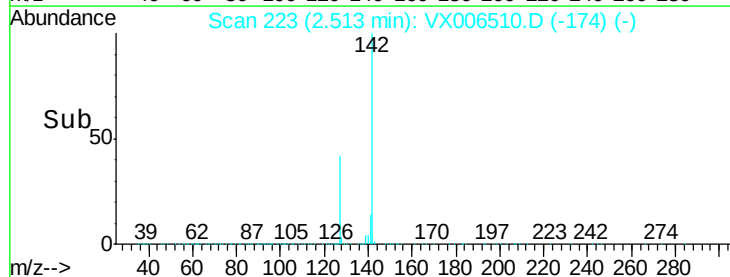
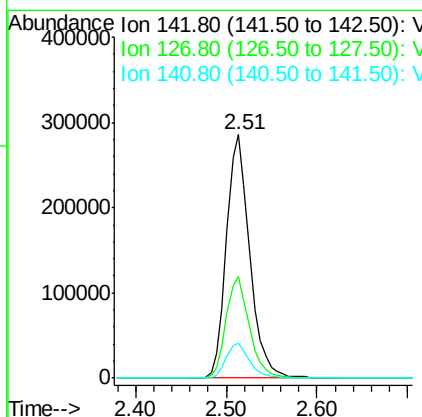
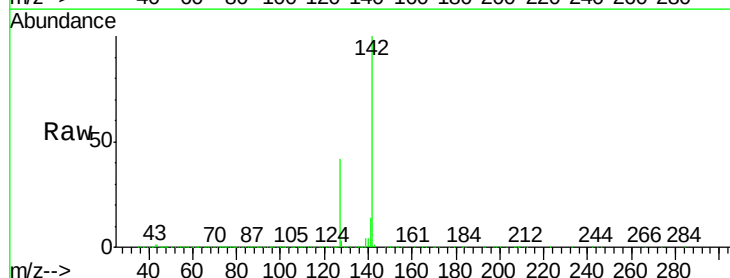
RT: 2.51 min Scan# 223

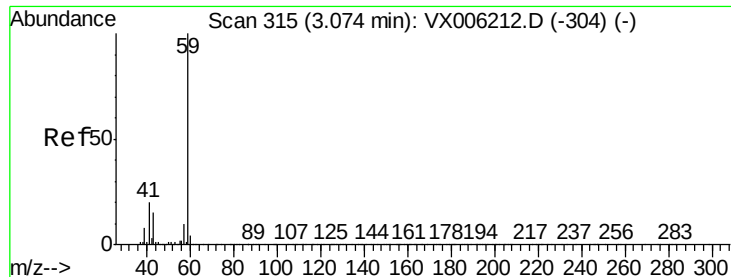
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	142	Resp:	509325
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.8	52.2
141	14.2	11.4	17.2





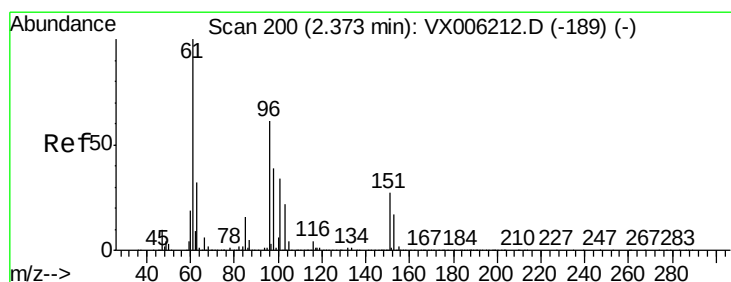
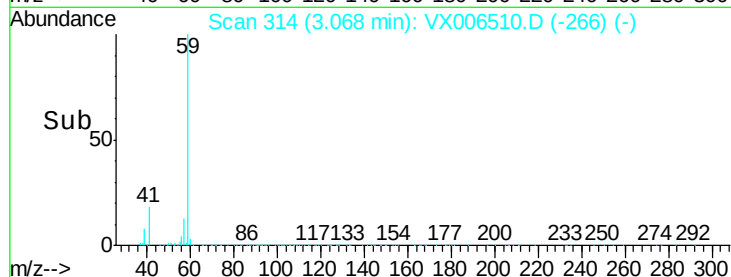
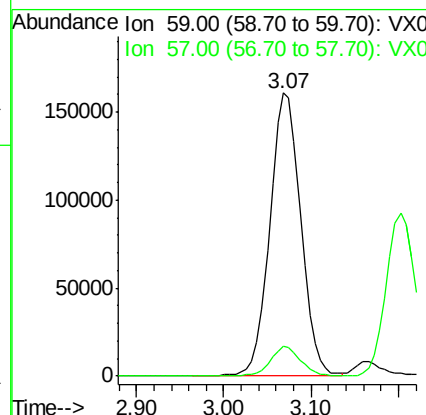
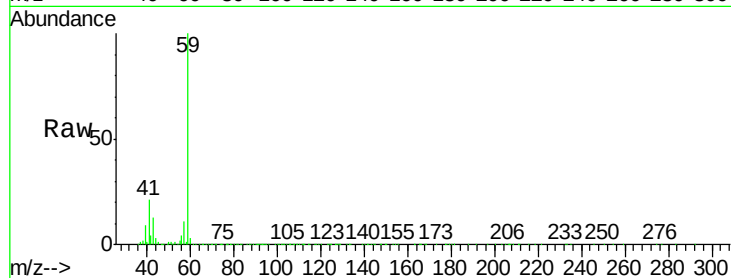
#11
Tert butyl alcohol
Concen: 218.852 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

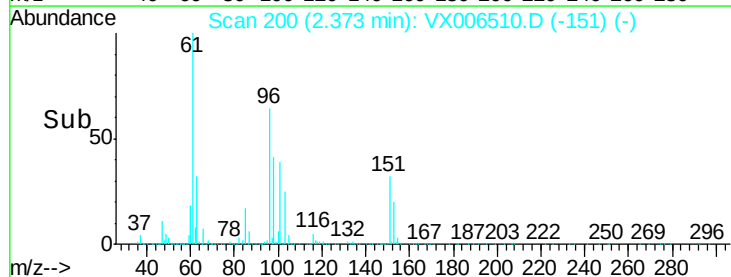
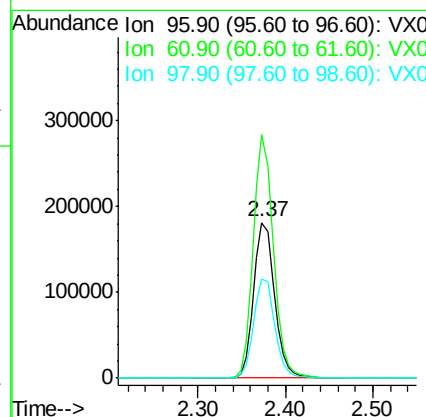
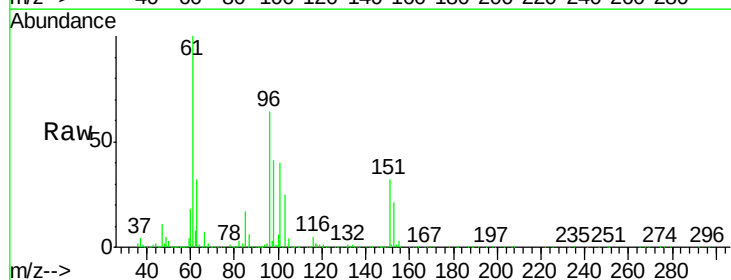
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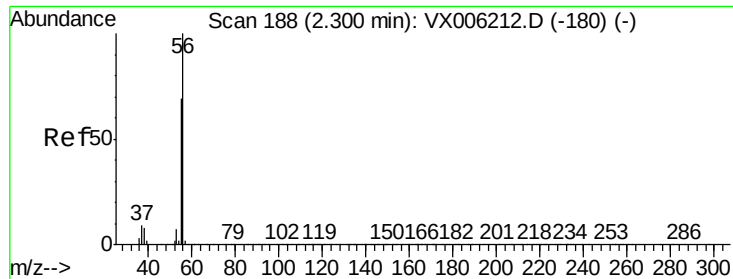
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#12
1,1-Dichloroethene
Concen: 50.795 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	131.7	197.5
98	64.0	51.8	77.6





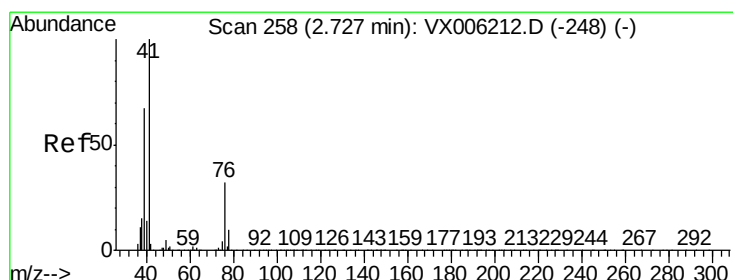
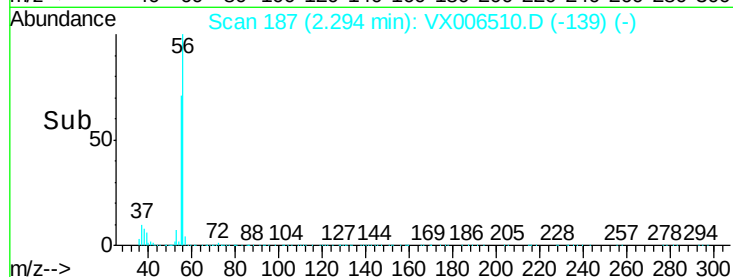
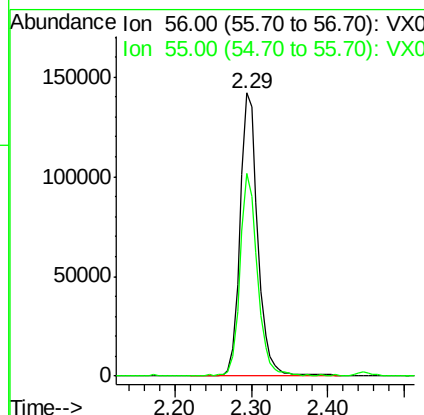
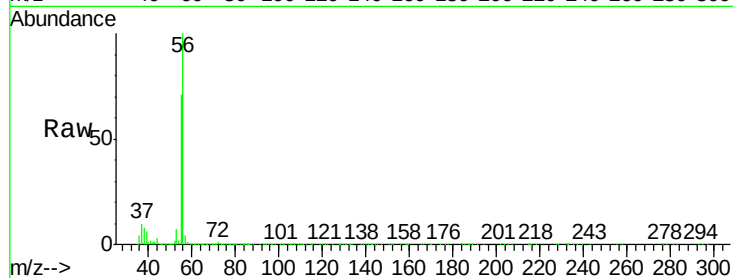
#13
Acrolein
Concen: 227.933 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 225976
Ion Ratio Lower Upper
56 100
55 70.3 57.8 86.6

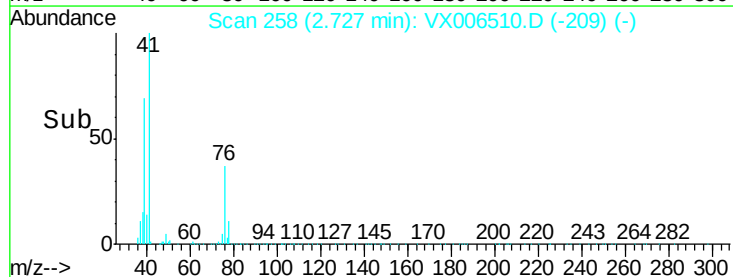
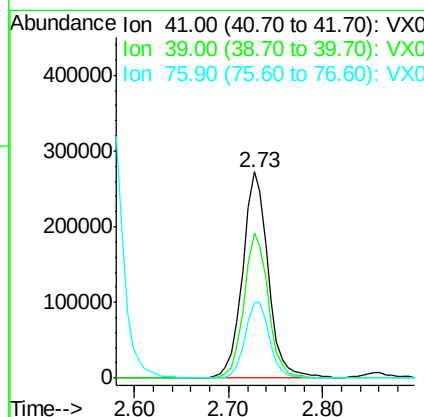
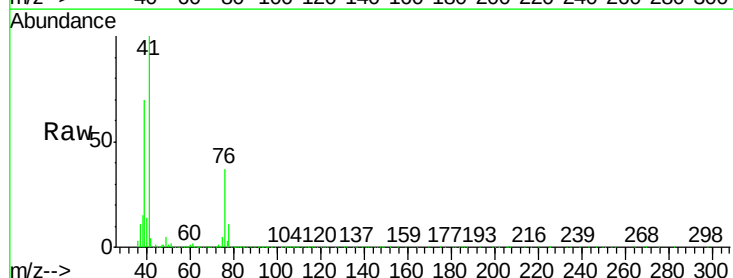
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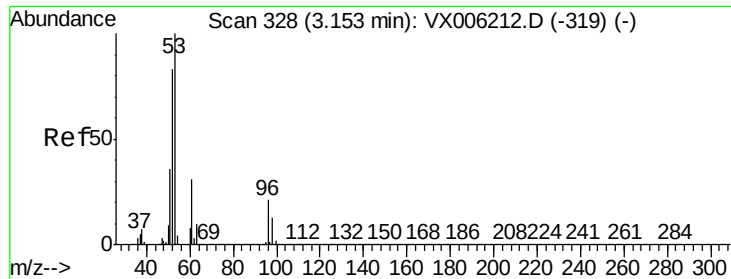
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#14
Allyl chloride
Concen: 44.238 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion: 41 Resp: 513767
Ion Ratio Lower Upper
41 100
39 66.5 52.4 78.6
76 35.4 25.4 38.0





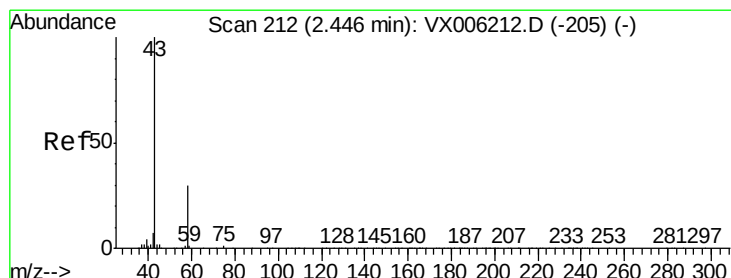
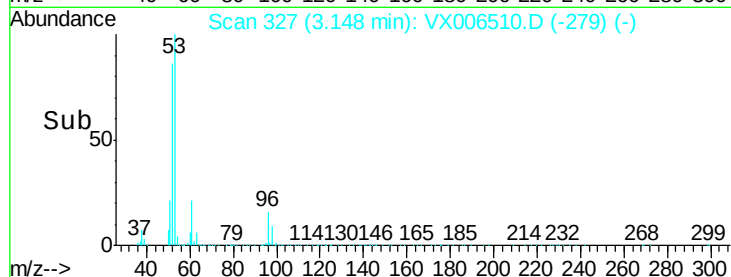
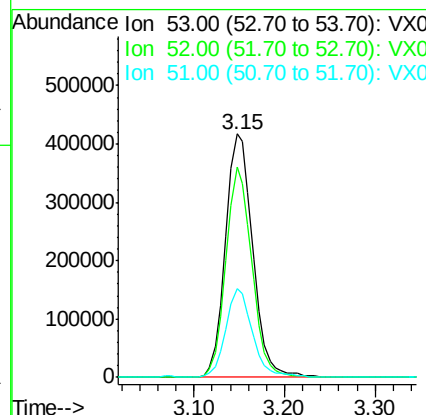
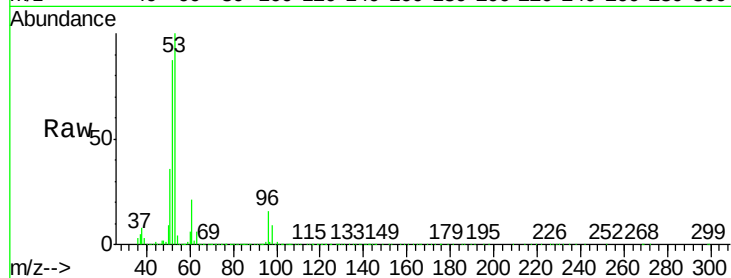
#15
Acrylonitrile
Concen: 230.774 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	35.6	28.7	43.1

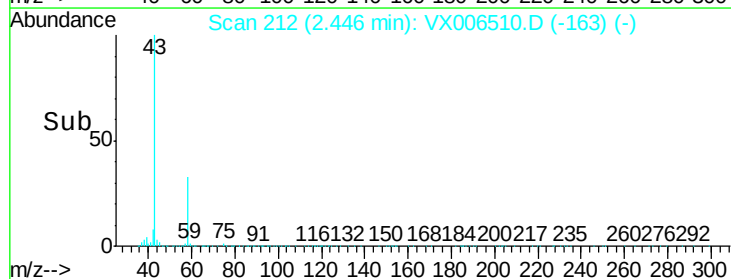
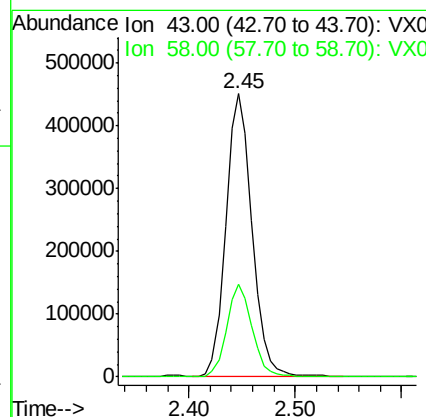
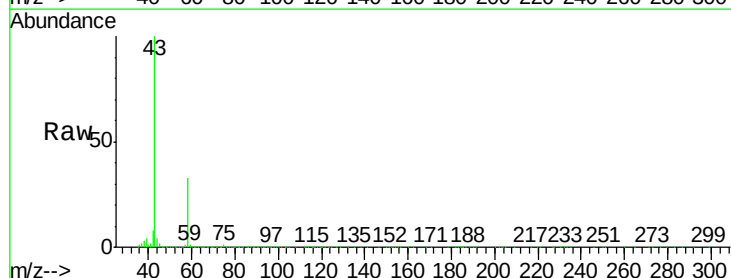
Manual Integrations
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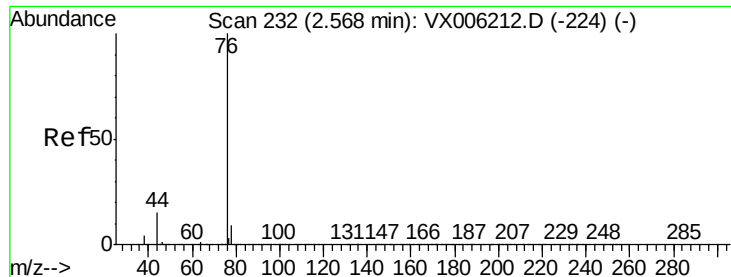
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#16
Acetone
Concen: 245.987 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.0	36.0





#17

Carbon Disulfide

Concen: 44.625 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 808450

Ion Ratio Lower Upper

76 100

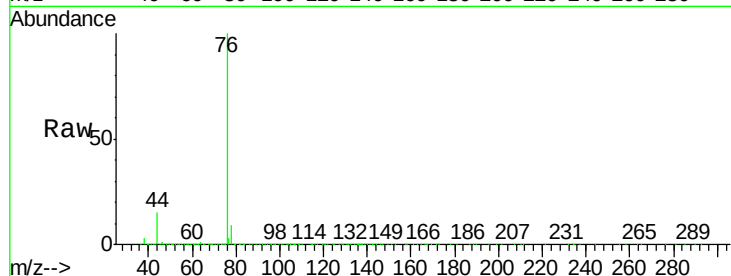
78 8.9 7.1 10.7

Manual Integrations

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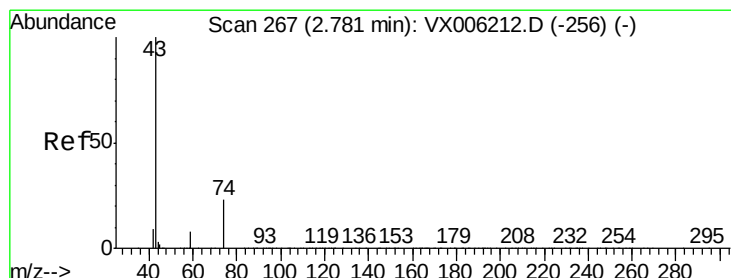
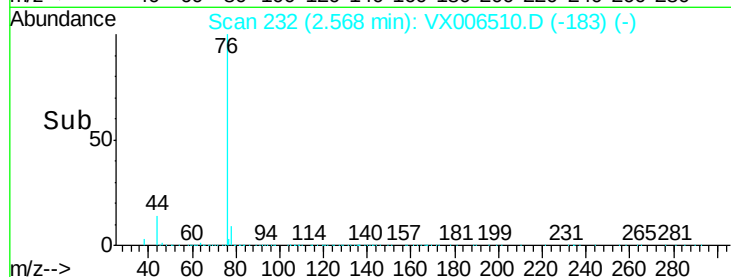
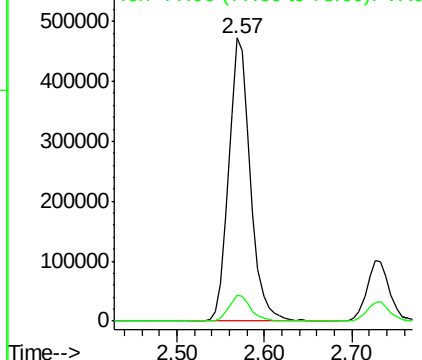
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 46.427 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006510.D

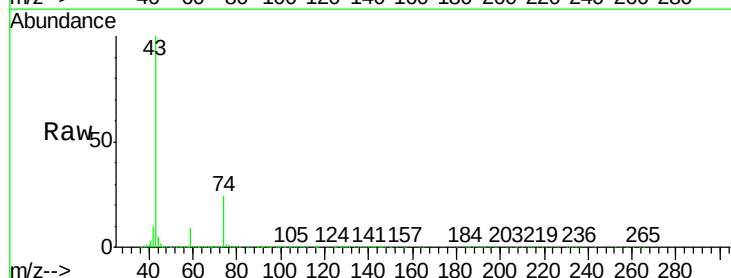
Acq: 14 Dec 2018 11:33

Tgt Ion: 43 Resp: 483279

Ion Ratio Lower Upper

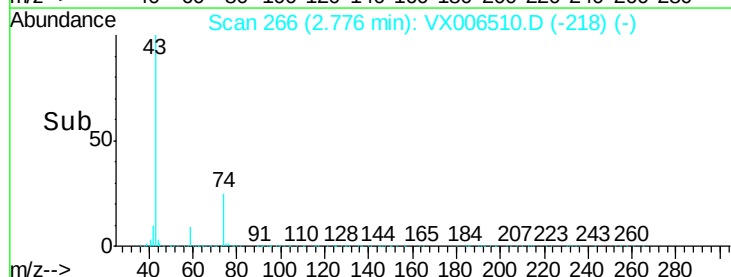
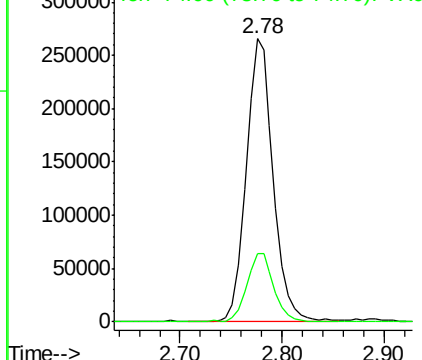
43 100

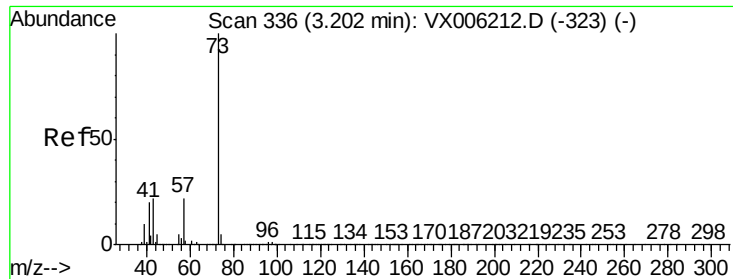
74 24.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

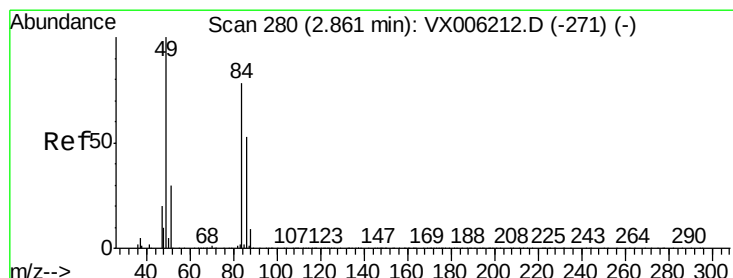
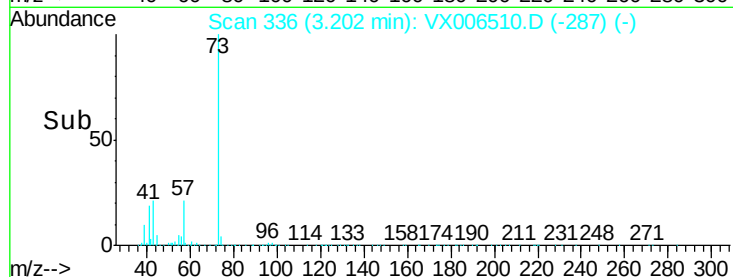
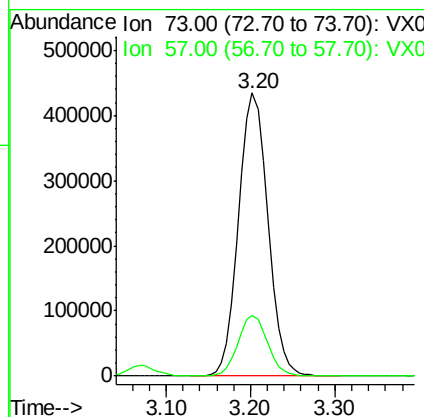
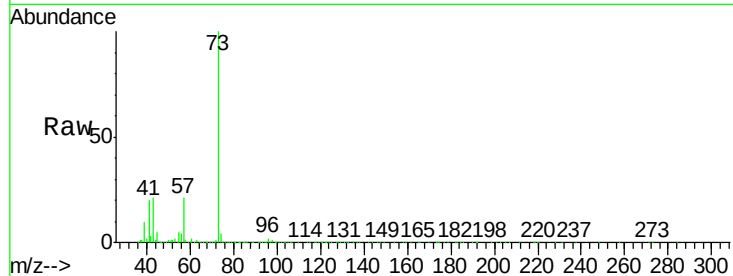
Methyl tert-butyl Ether
Concen: 48.704 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1021493
Ion Ratio Lower Upper
73 100
57 21.4 17.5 26.3

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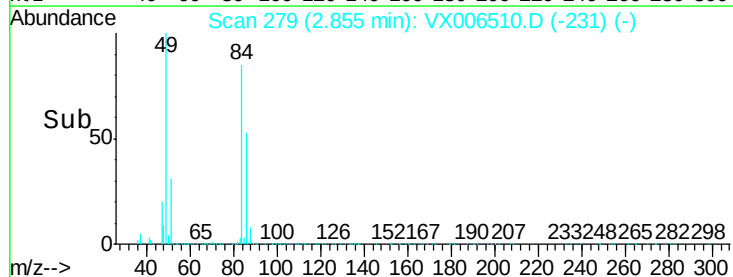
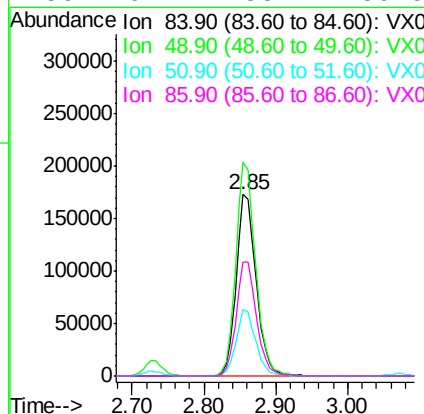
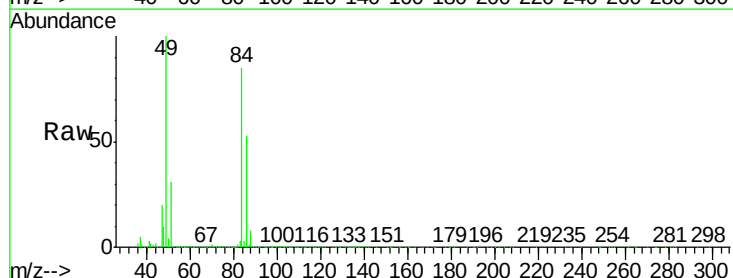
MMDadoda
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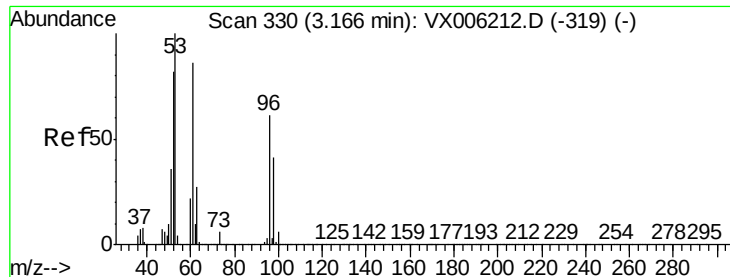


#20

Methylene Chloride
Concen: 50.052 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion: 84 Resp: 331577
Ion Ratio Lower Upper
84 100
49 117.7 102.2 153.4
51 36.6 31.1 46.7
86 62.7 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 51.560 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

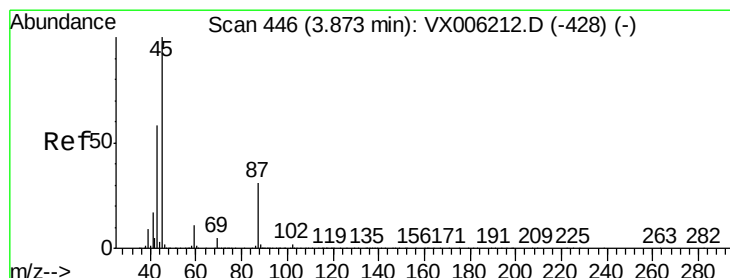
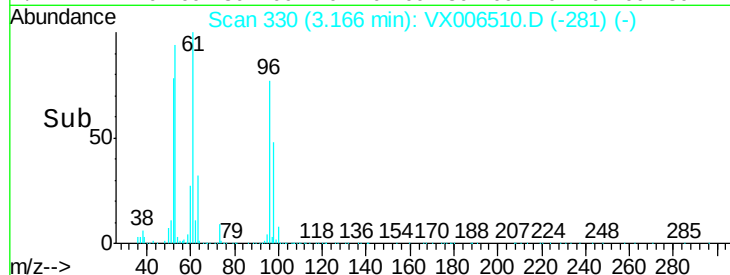
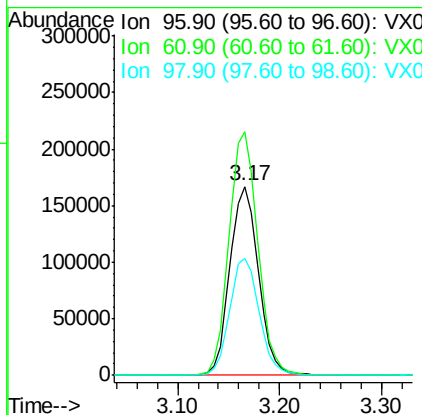
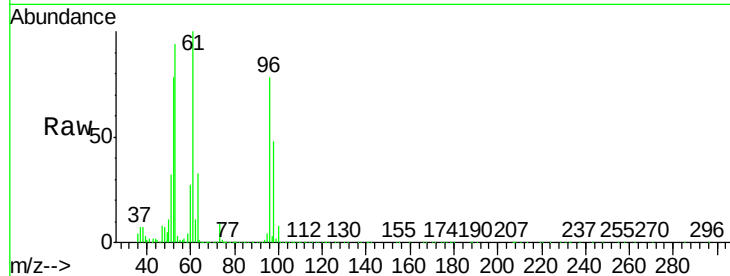
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	323036
Ion Ratio	Lower	Upper	
96	100		
61	128.9	113.3	169.9
98	62.0	53.2	79.8

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#22

Diisopropyl ether

Concen: 51.081 ug/l

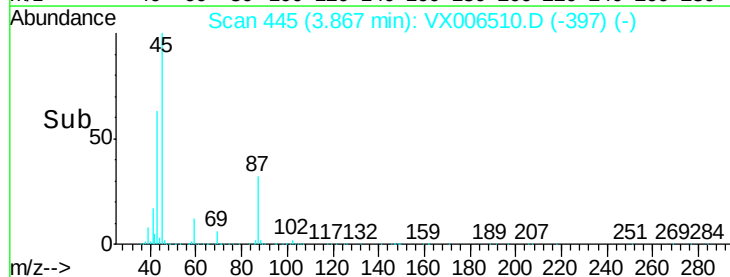
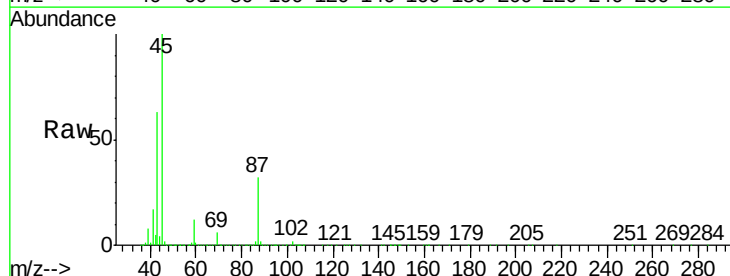
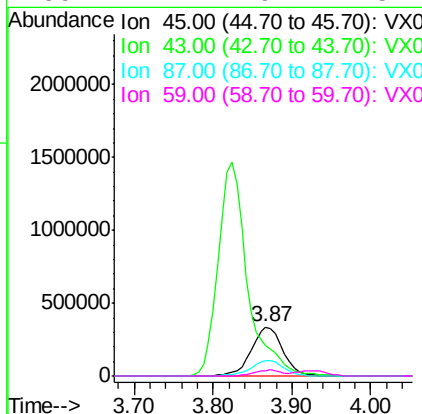
RT: 3.87 min Scan# 445

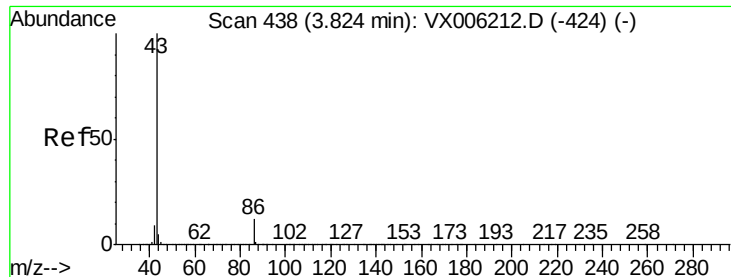
Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	45	Resp:	926612
Ion Ratio	Lower	Upper	
45	100		
43	62.3	46.2	69.2
87	31.7	24.9	37.3
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 248.134 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3839154

Ion Ratio Lower Upper

43 100

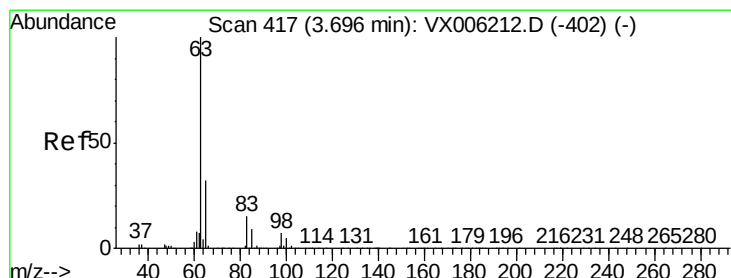
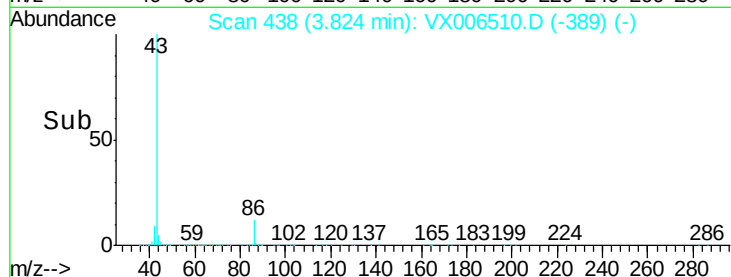
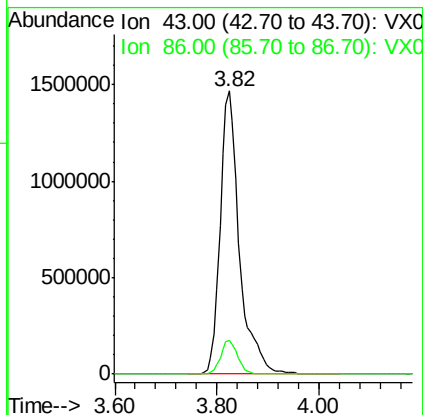
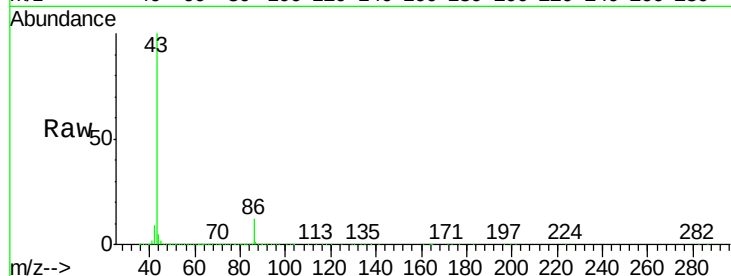
86 12.1 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.328 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

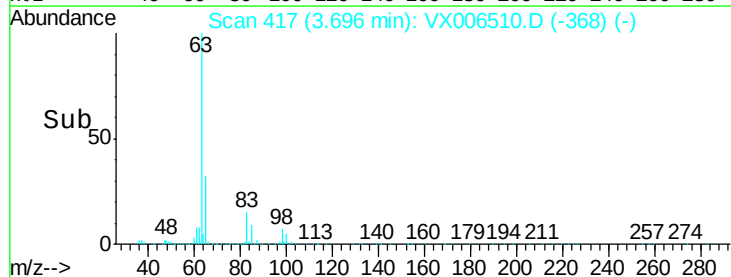
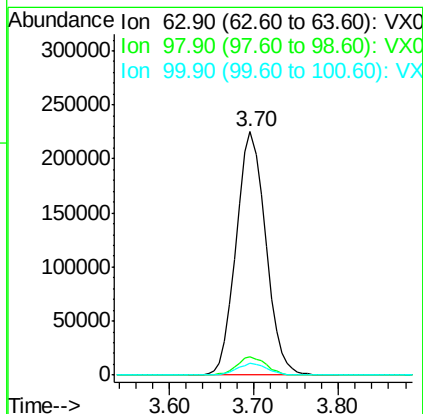
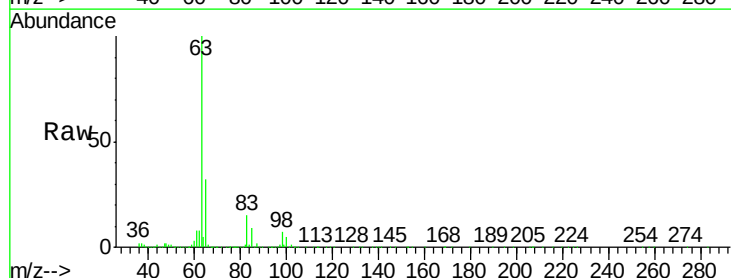
Tgt Ion: 63 Resp: 532194

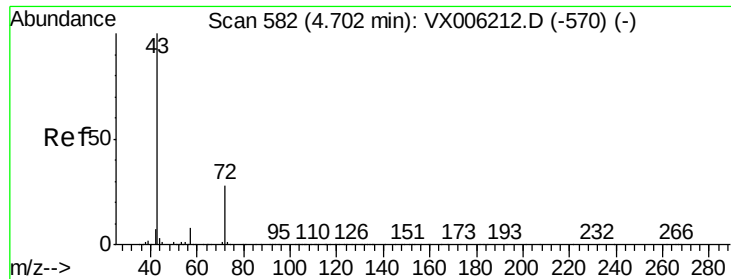
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 243.806 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion: 43 Resp: 1082836

Ion Ratio Lower Upper

43 100

72 29.2 22.6 33.8

Instrument :

MSVOA_X

ClientSampleId :

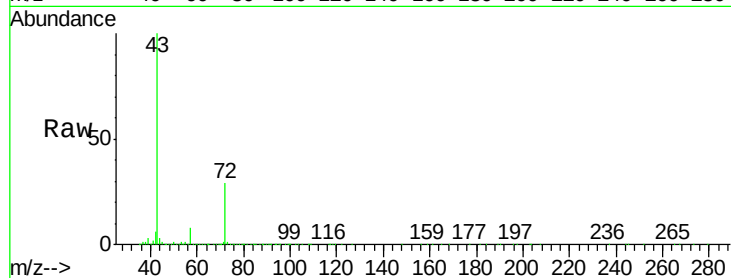
VSTDCCC050

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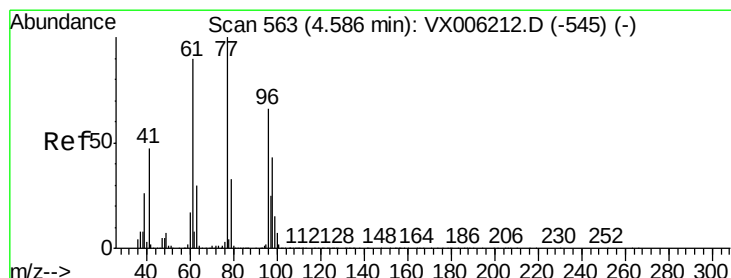
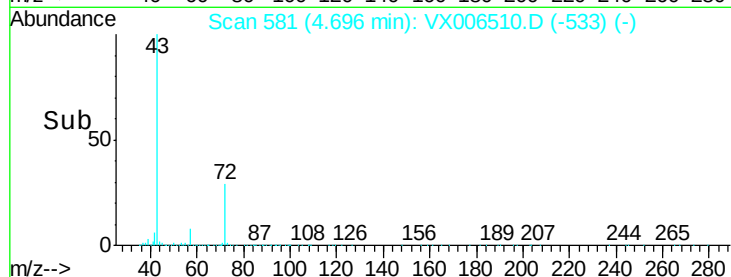
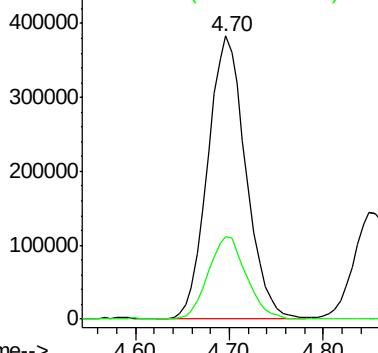
MMDadoda

12/17/2018 12:12:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.552 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006510.D

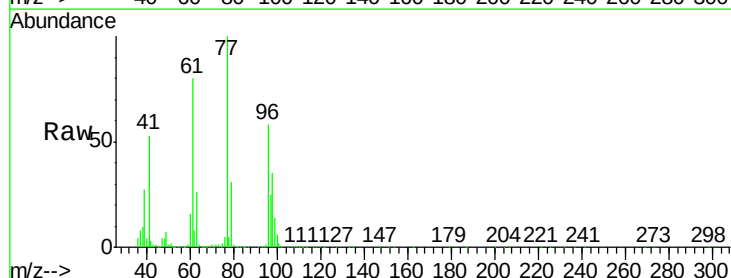
Acq: 14 Dec 2018 11:33

Tgt Ion: 77 Resp: 483726

Ion Ratio Lower Upper

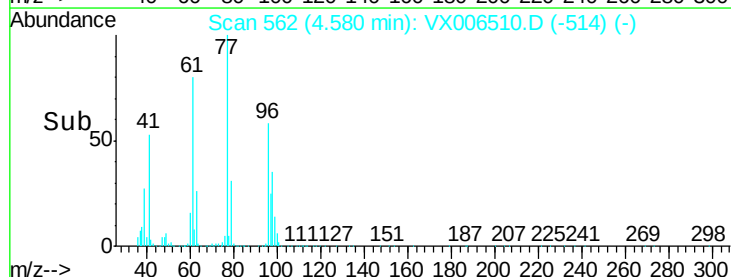
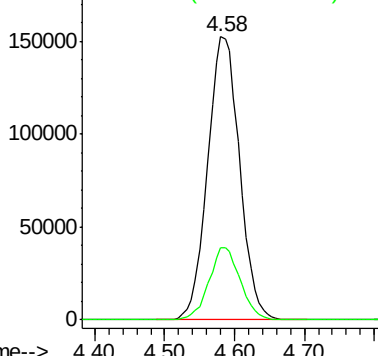
77 100

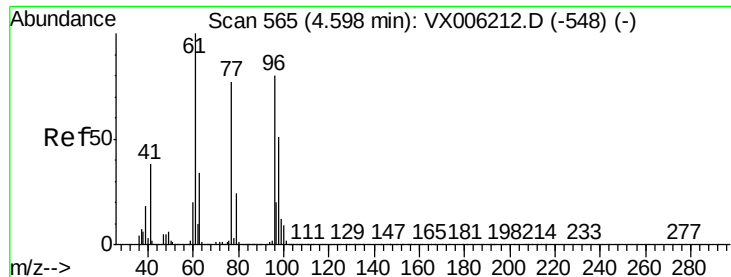
97 25.1 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

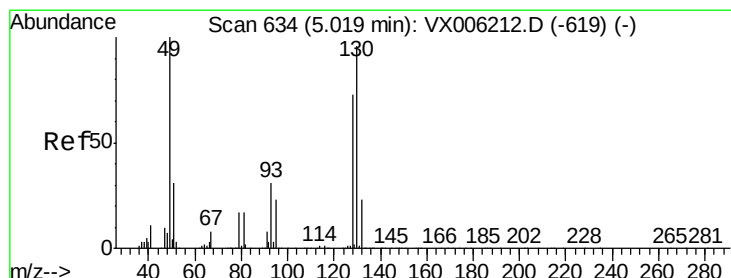
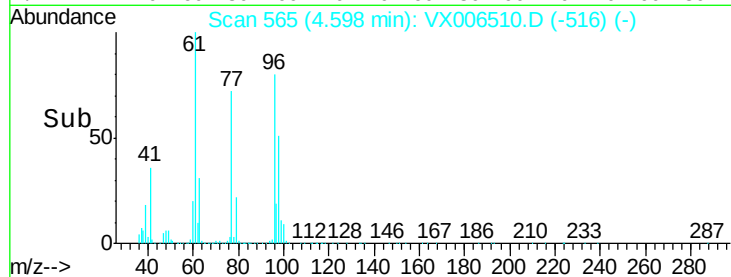
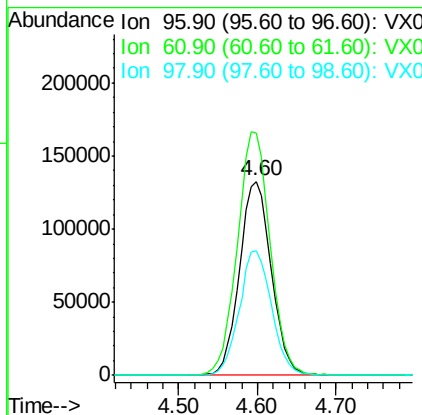
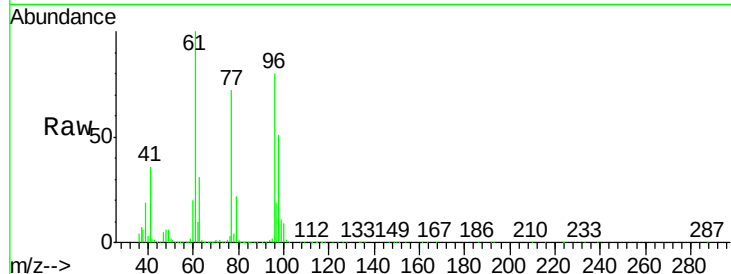
cis-1,2-Dichloroethene
Concen: 53.343 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	372789		
61	129.5	0.0	265.0	
98	65.0	0.0	130.2	

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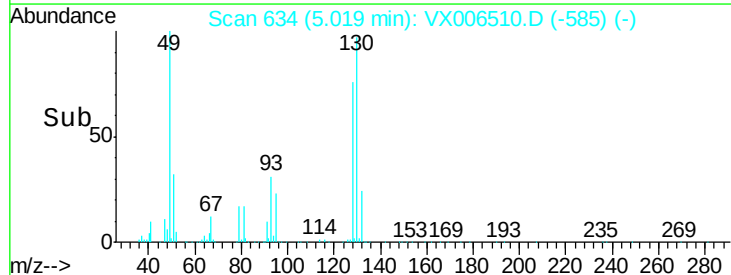
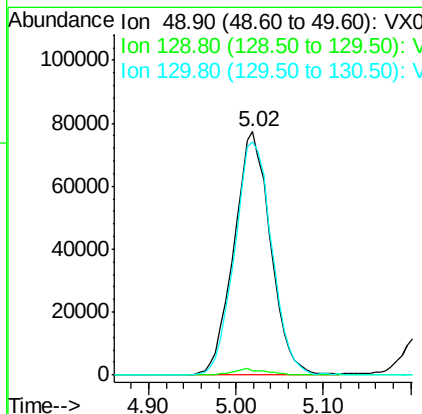
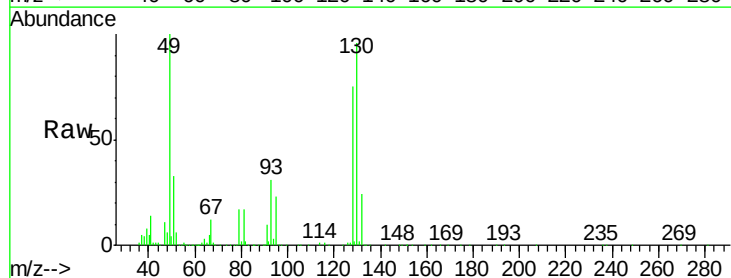
MMDadoda
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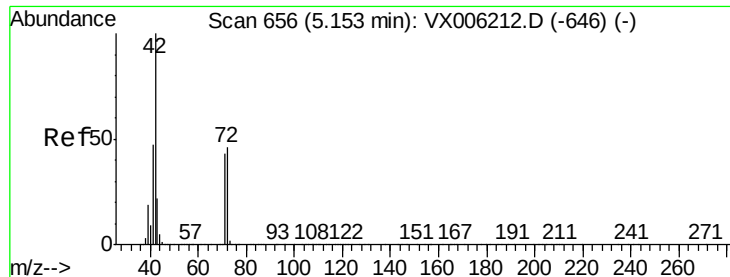


#28

Bromochloromethane
Concen: 49.495 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	224156		
129	2.6	0.0	5.0	
130	98.0	78.3	117.5	





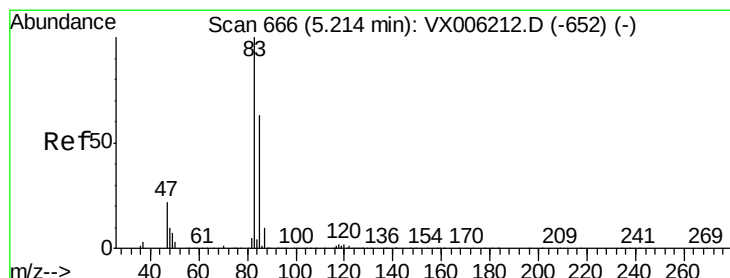
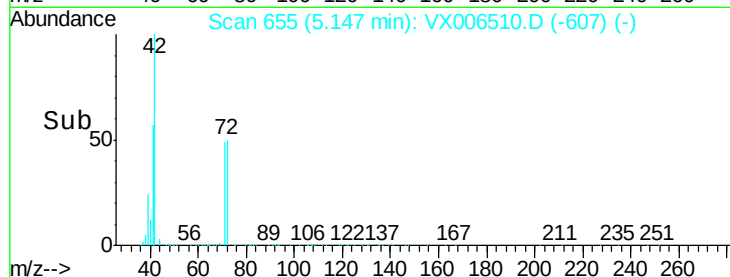
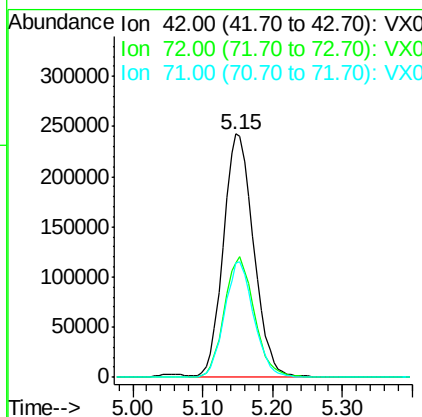
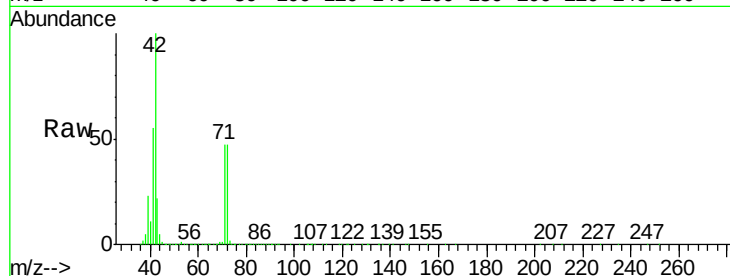
#29
Tetrahydrofuran
Concen: 235.778 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.3	37.8	56.8
71	46.0	35.2	52.8

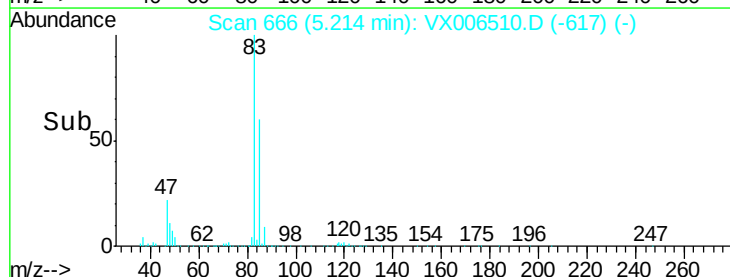
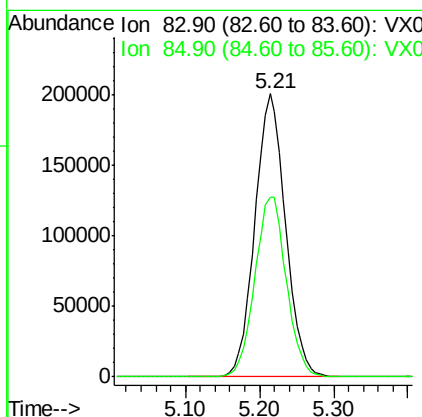
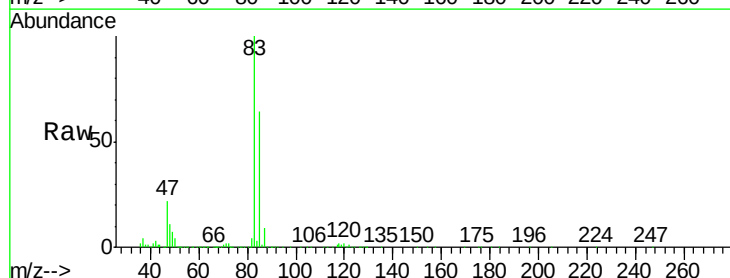
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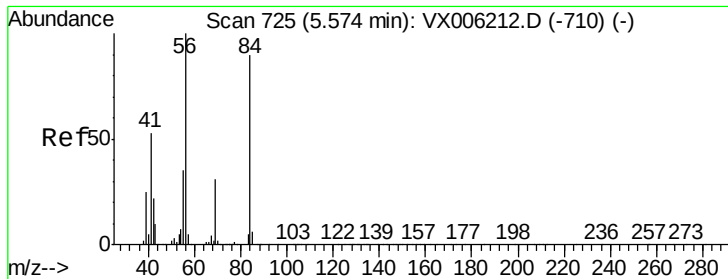
MMDadoda
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#30
Chloroform
Concen: 52.981 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.3	75.5





#31

Cyclohexane

Concen: 52.577 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

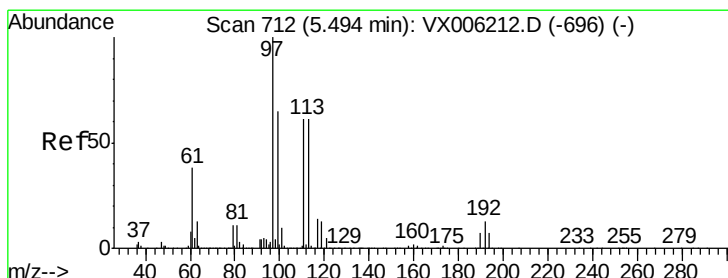
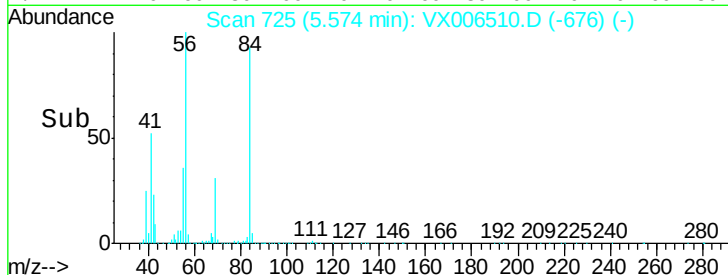
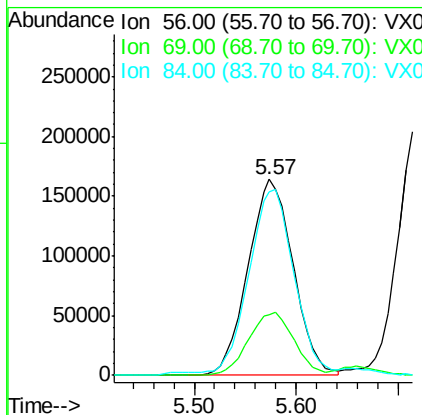
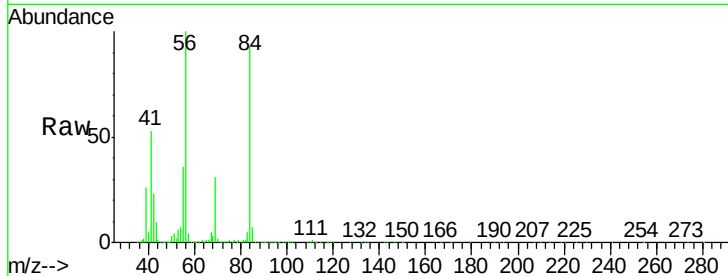
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	503800
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.5	36.7
84	92.1	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 50.489 ug/l

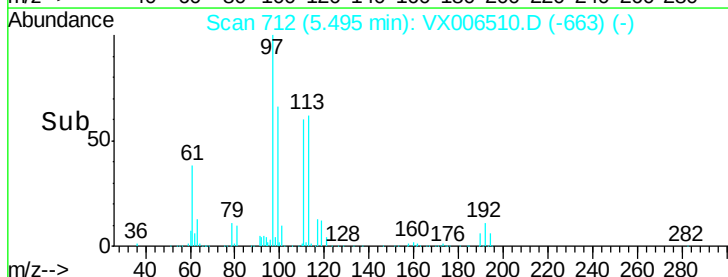
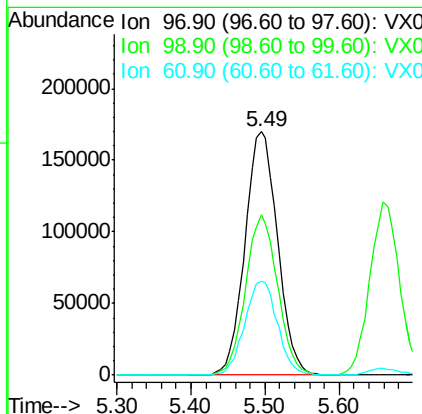
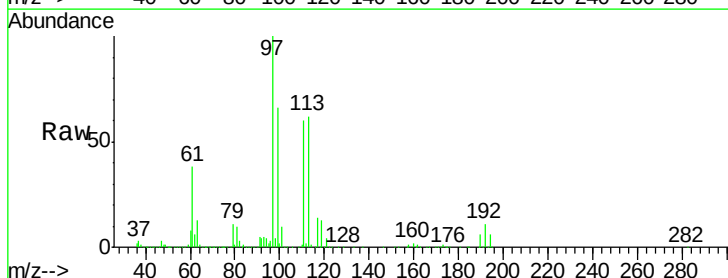
RT: 5.49 min Scan# 712

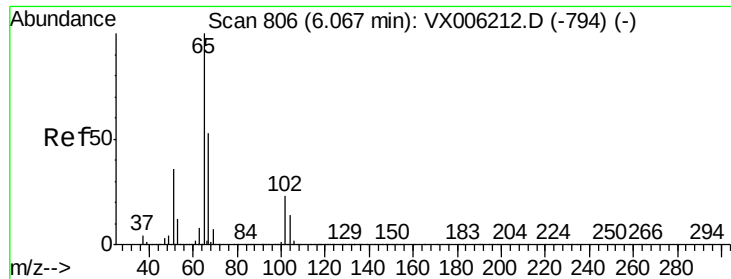
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	97	Resp:	523432
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	38.8	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 49.579 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 328844

Ion Ratio Lower Upper

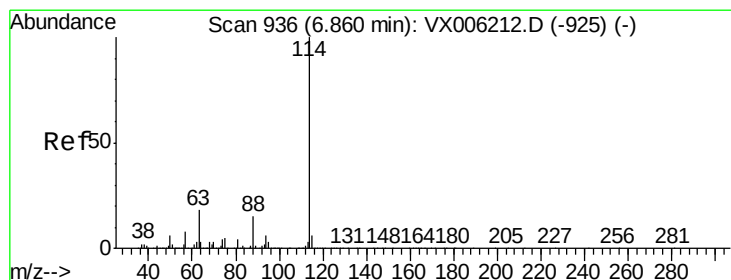
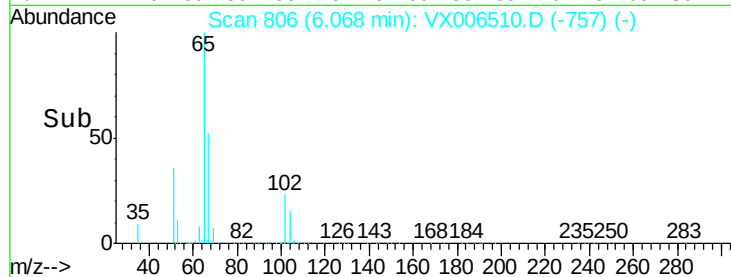
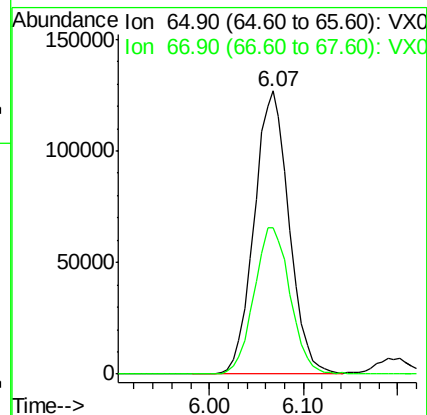
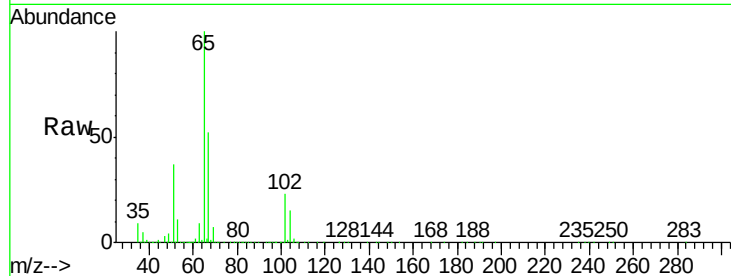
65 100

67 53.8 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

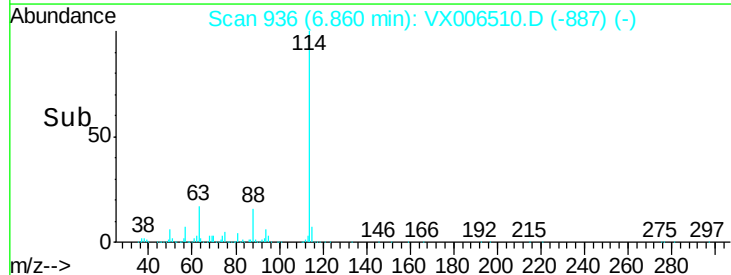
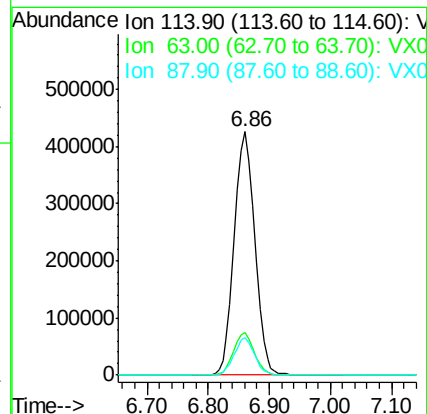
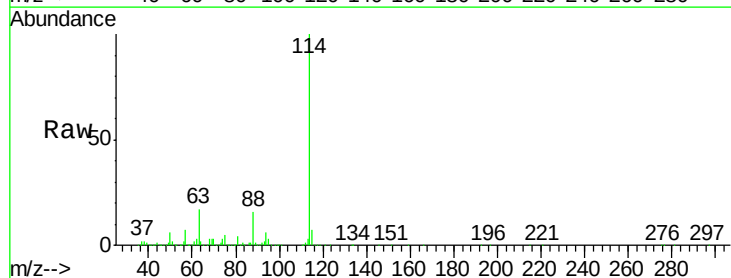
Tgt Ion: 114 Resp: 988366

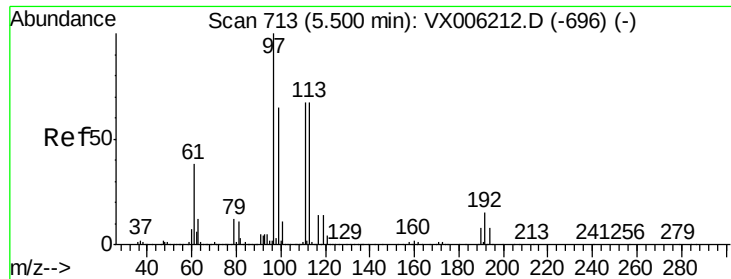
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 15.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.074 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

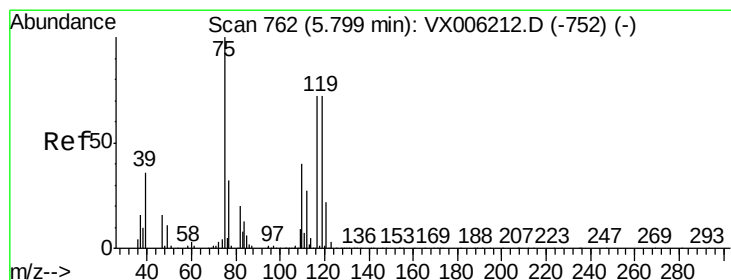
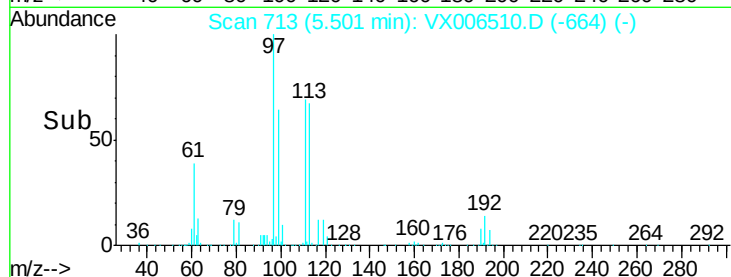
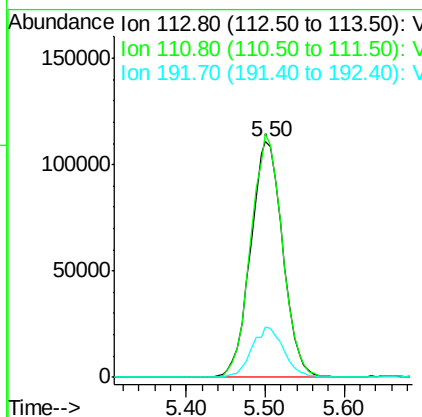
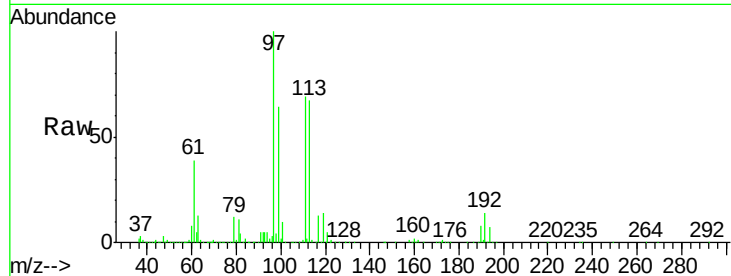
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	314041
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.1	121.7
192	21.2	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 52.460 ug/l

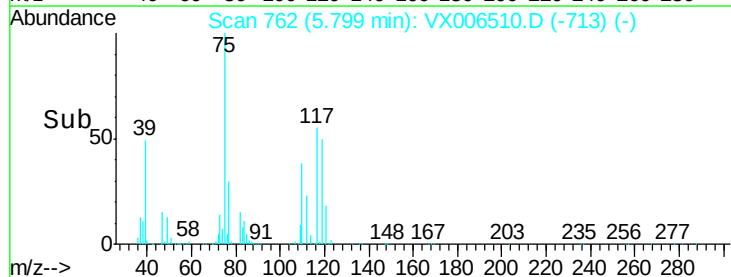
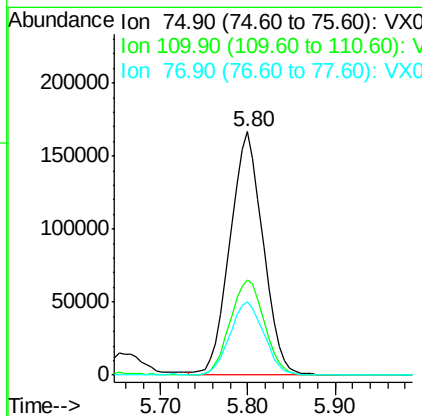
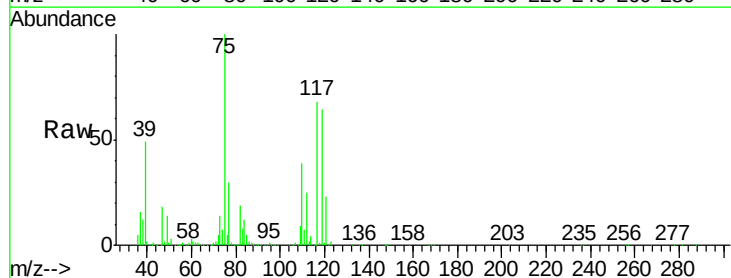
RT: 5.80 min Scan# 762

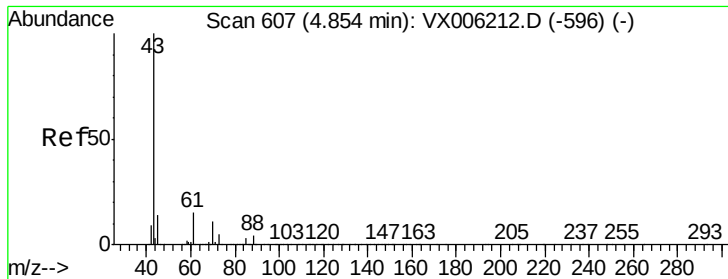
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	75	Resp:	436623
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.4	61.3
77	31.0	24.9	37.3





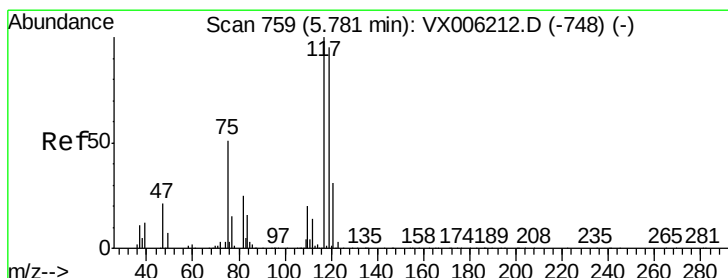
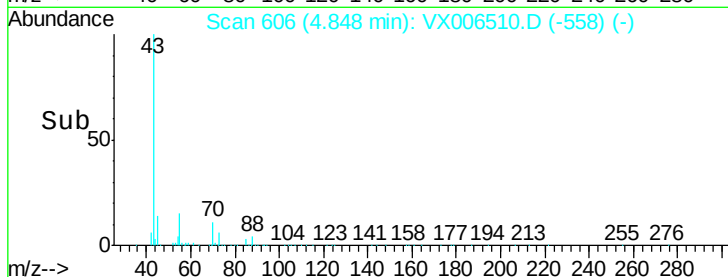
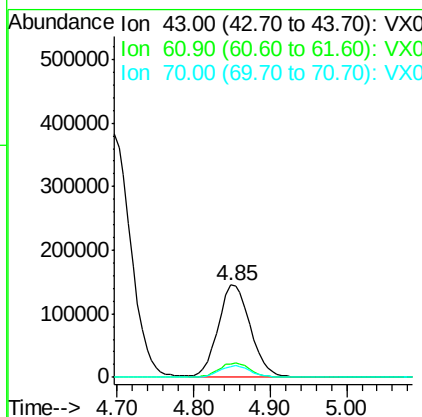
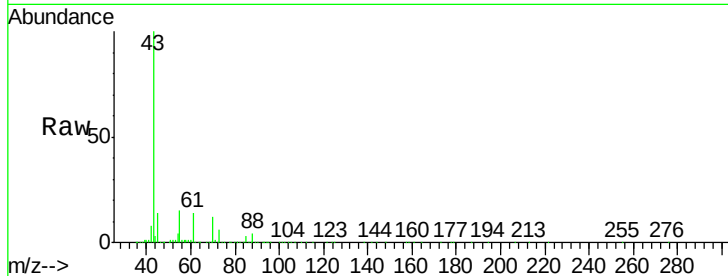
#37
Ethyl Acetate
Concen: 45.615 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	12.3	9.0	13.6

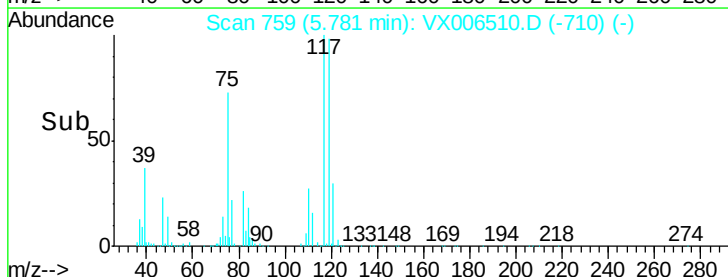
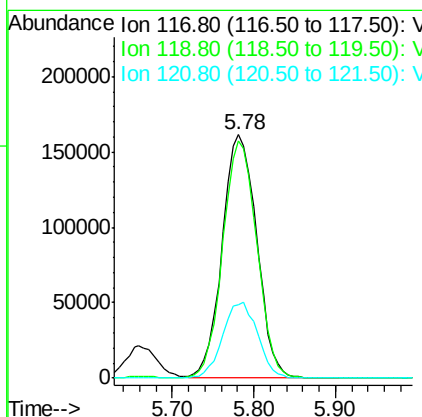
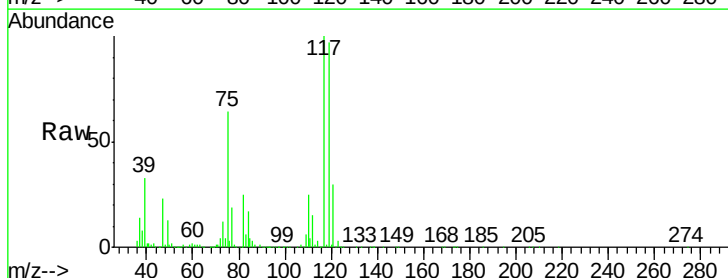
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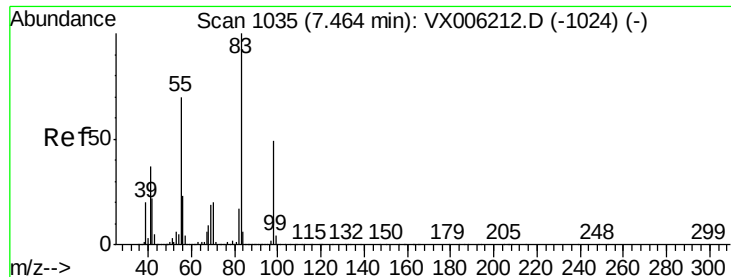
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.257 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.8	113.8
121	29.9	24.6	37.0





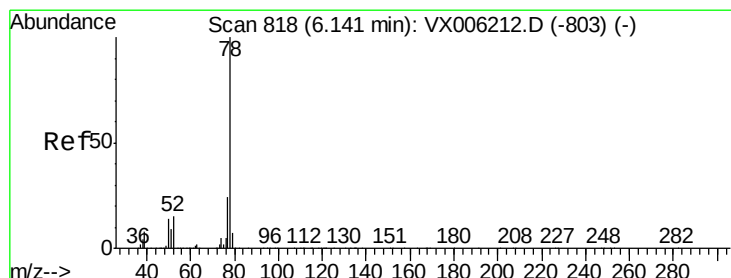
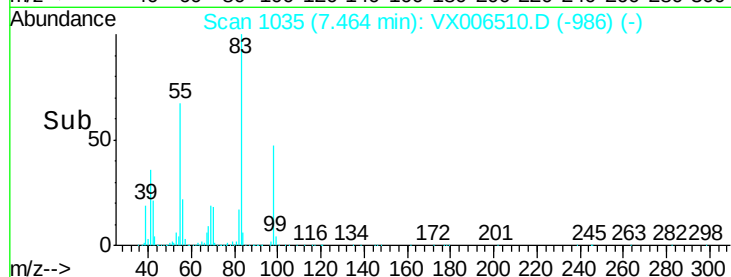
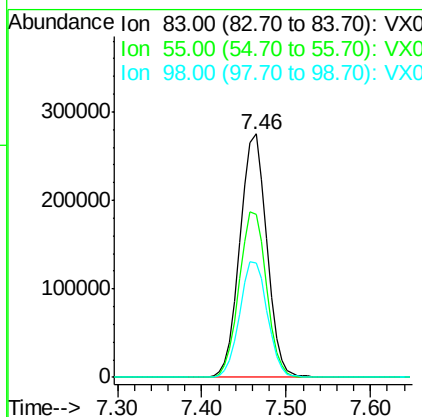
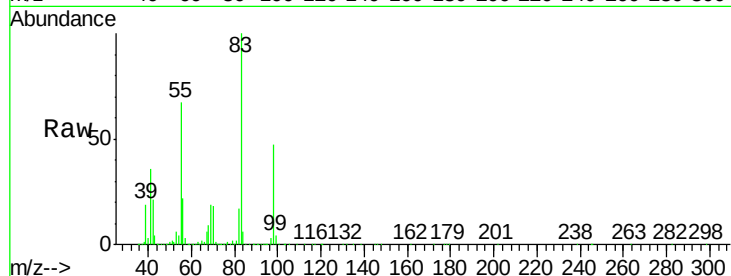
#39
Methylcyclohexane
Concen: 54.792 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.1	56.4	84.6
98	47.1	39.0	58.6

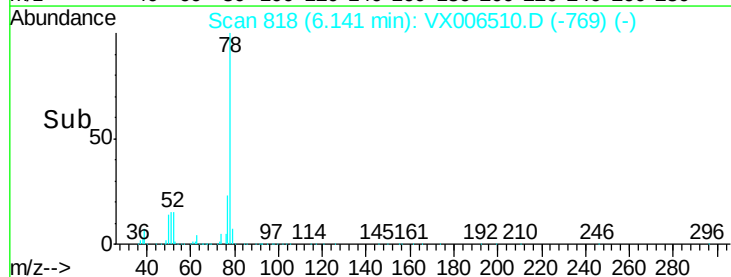
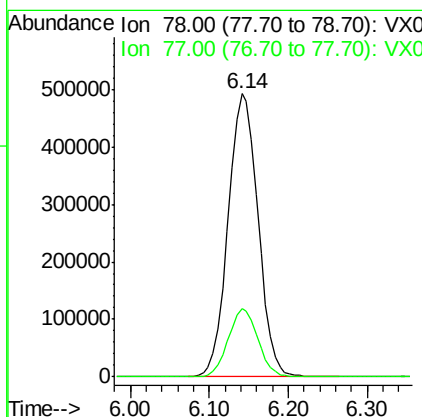
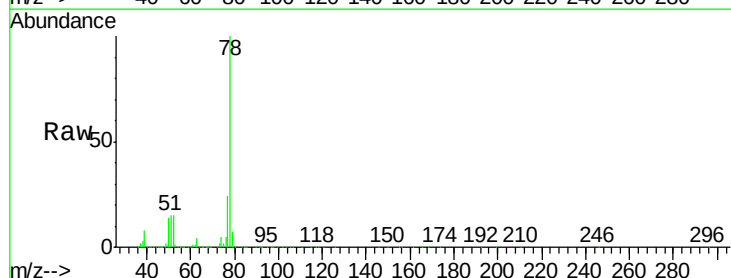
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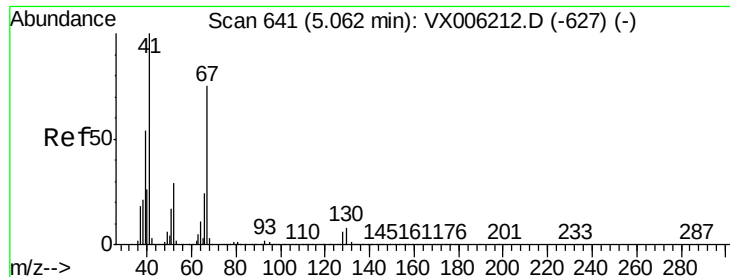
MMDadoda
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#40
Benzene
Concen: 52.158 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





#41

Methacrylonitrile

Concen: 45.823 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

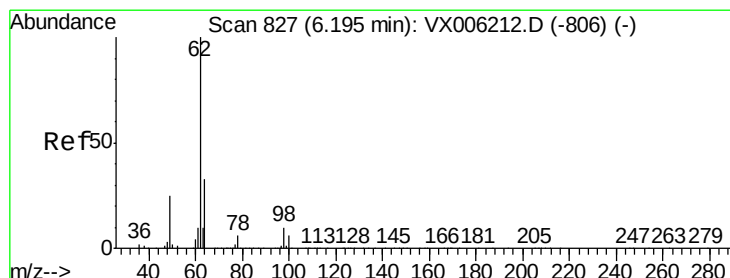
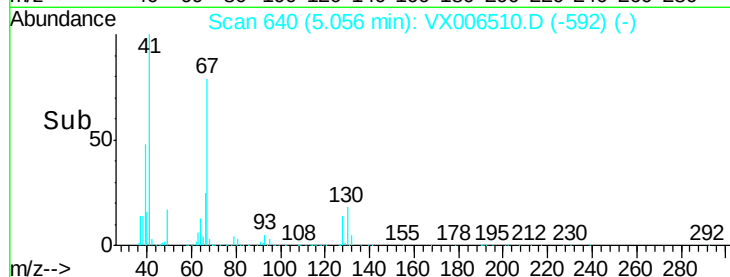
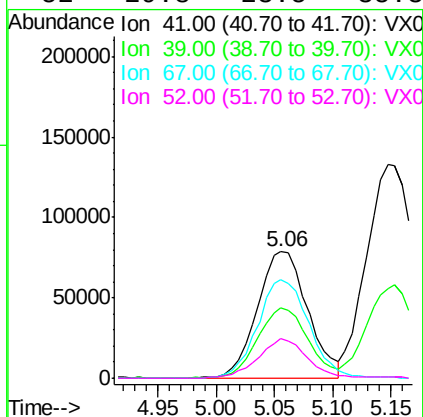
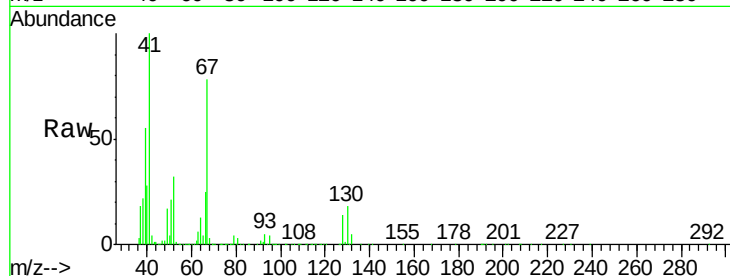
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.0	66.0
67	80.0	61.4	92.0
52	29.8	23.5	35.3

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.656 ug/l

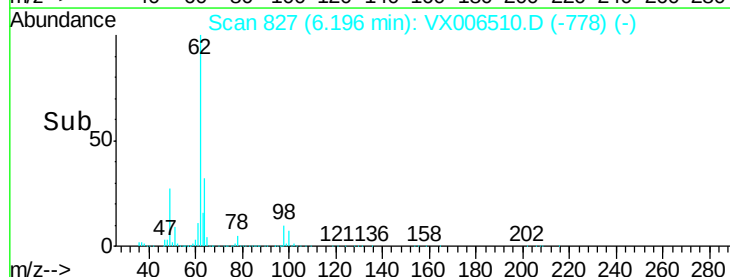
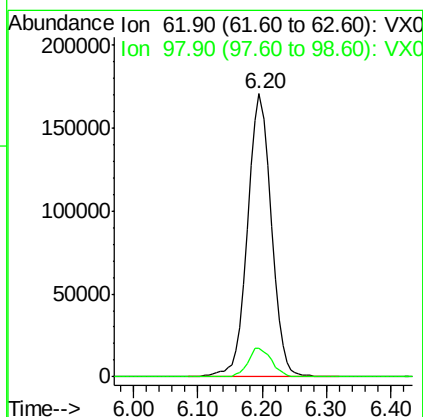
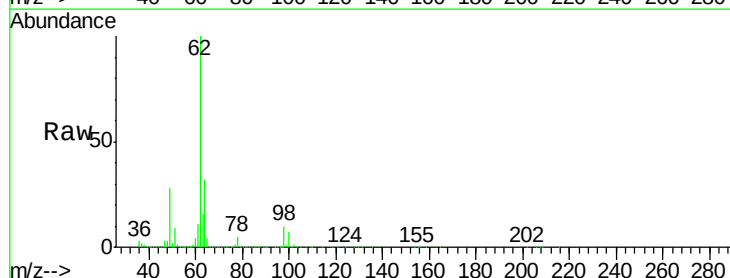
RT: 6.20 min Scan# 827

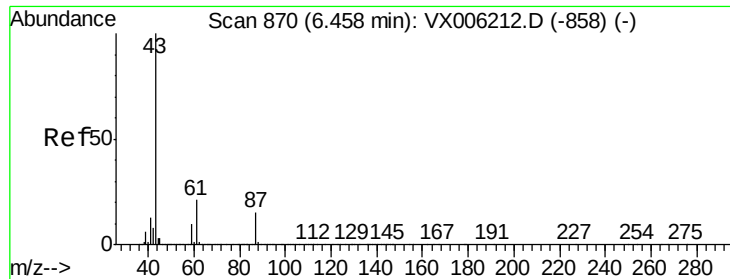
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 45.518 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

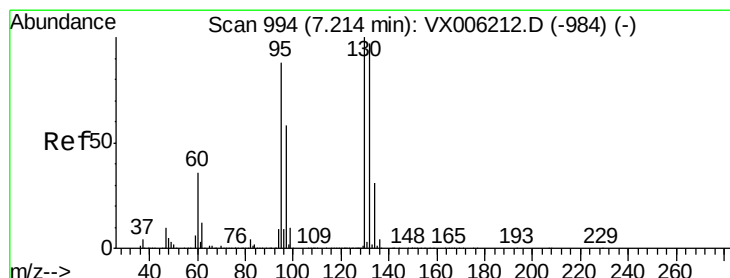
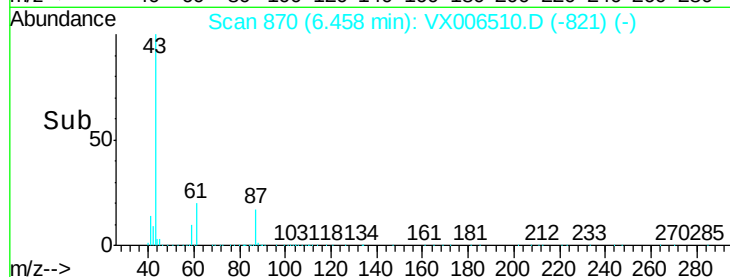
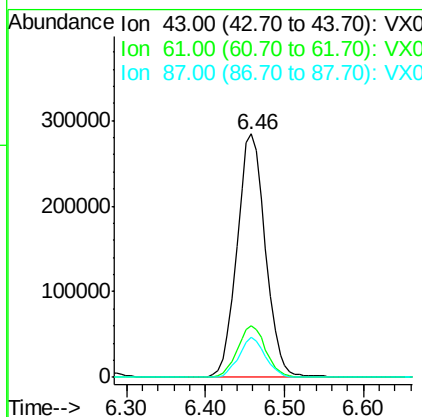
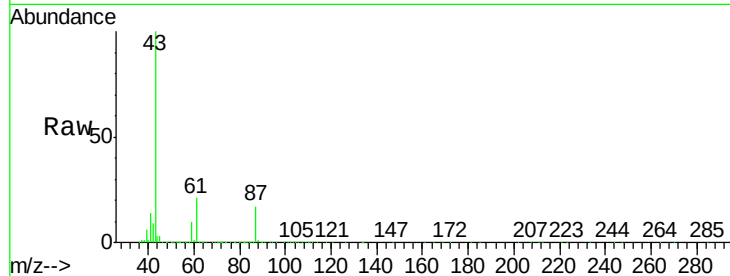
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	707365
Ion Ratio	Lower	Upper	
43	100		
61	21.4	16.8	25.2
87	15.6	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 52.676 ug/l

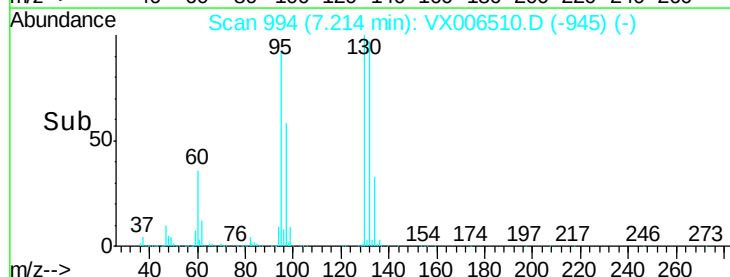
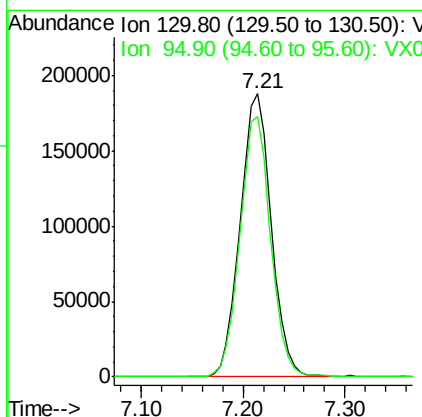
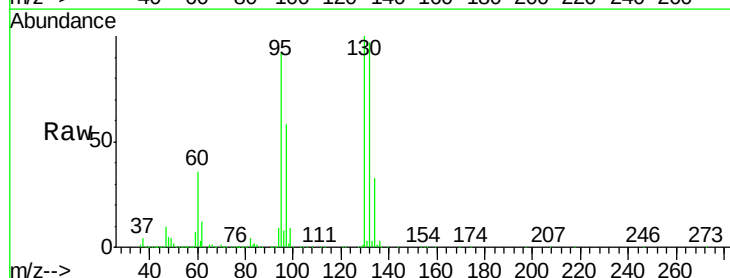
RT: 7.21 min Scan# 994

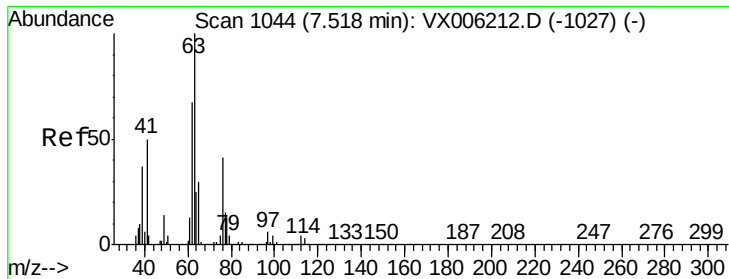
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	130	Resp:	397799
Ion Ratio	Lower	Upper	
130	100		
95	92.1	0.0	175.8





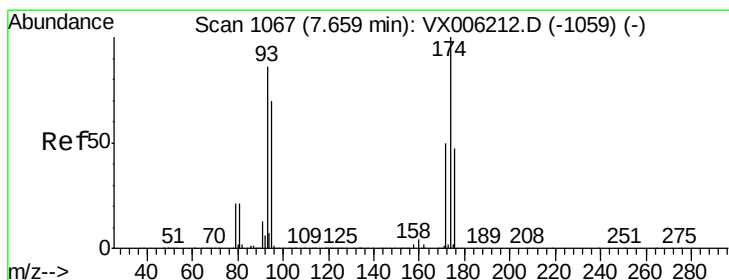
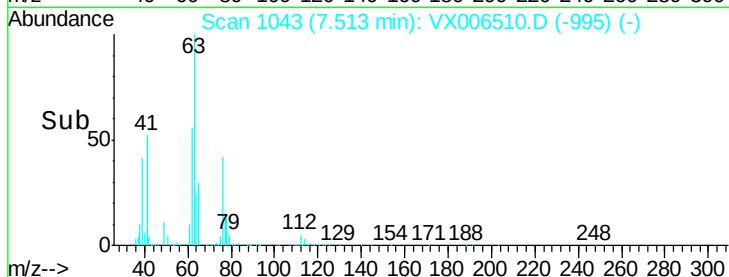
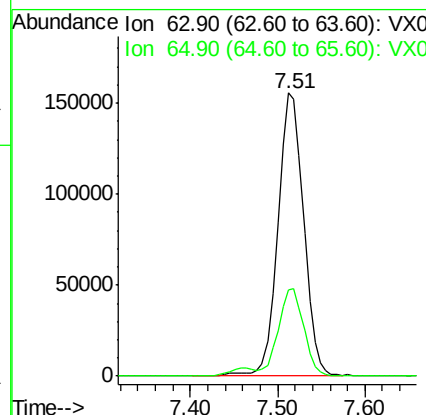
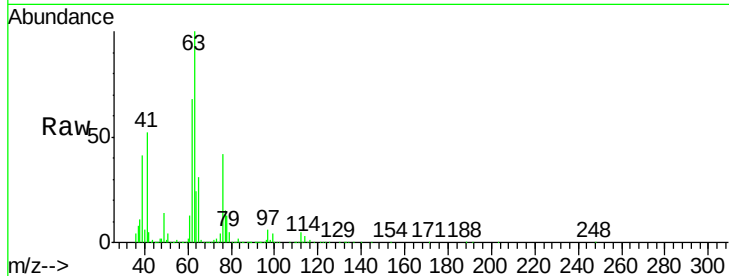
#45
 1,2-Dichloropropane
 Concen: 50.676 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

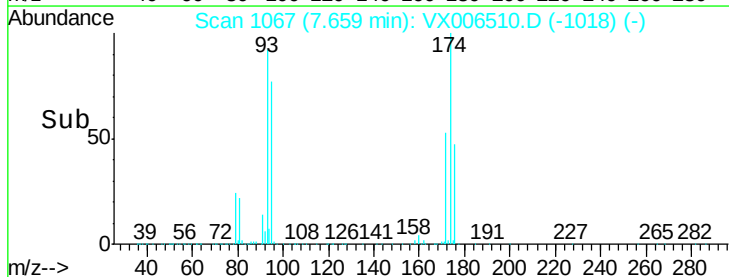
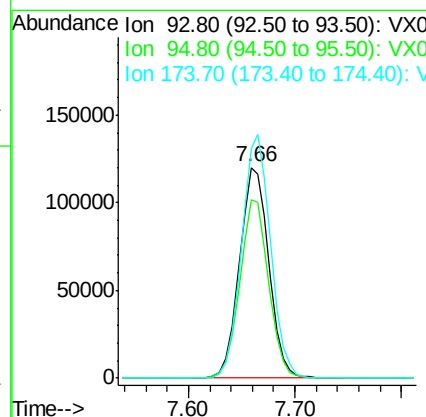
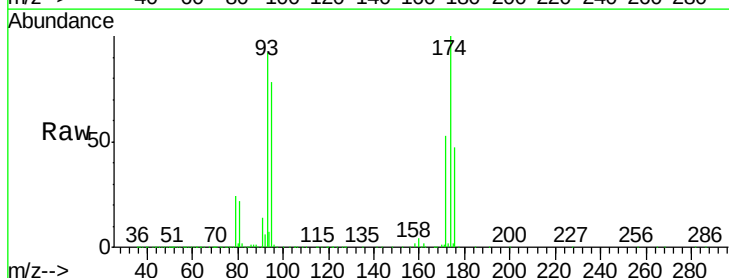
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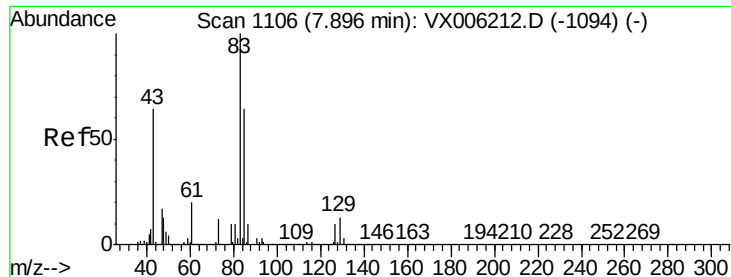
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#46
 Dibromomethane
 Concen: 50.899 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	114.1	97.2	145.8





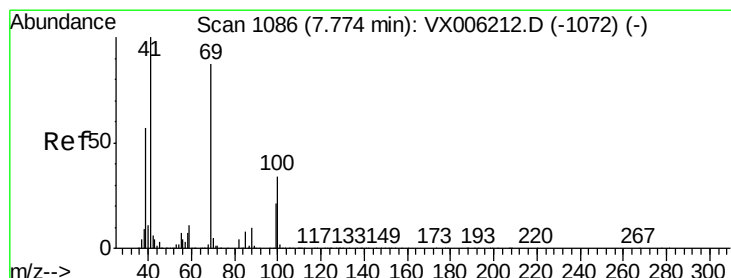
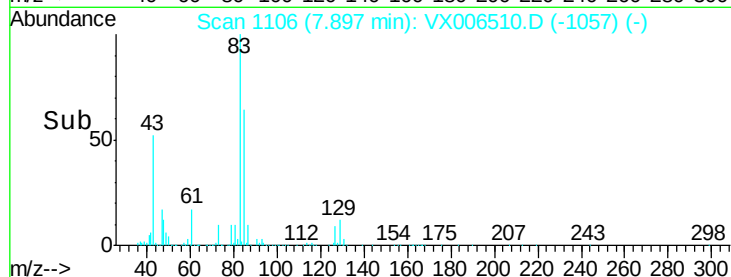
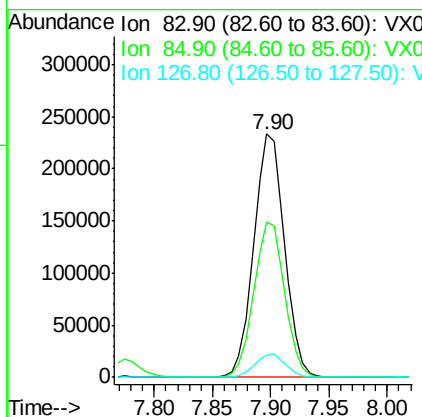
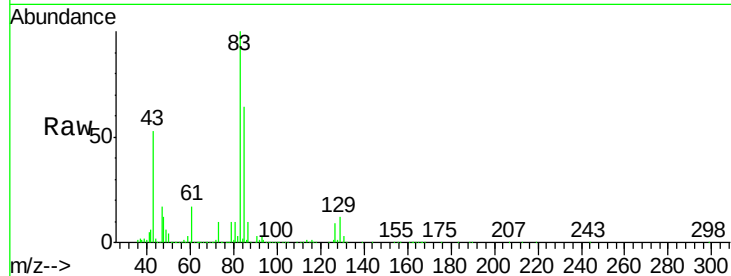
#47
Bromodichloromethane
Concen: 48.235 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	9.2	7.9	11.9

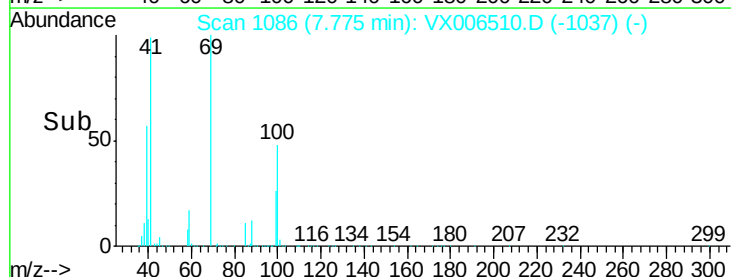
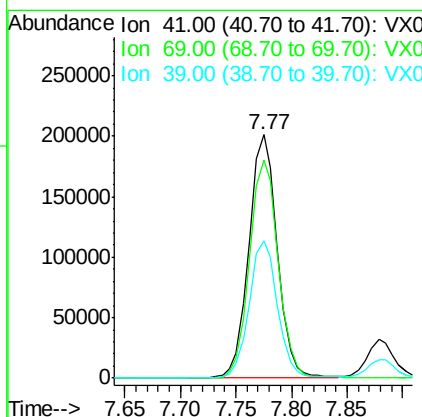
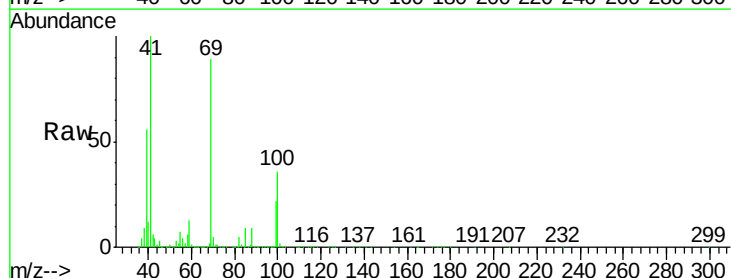
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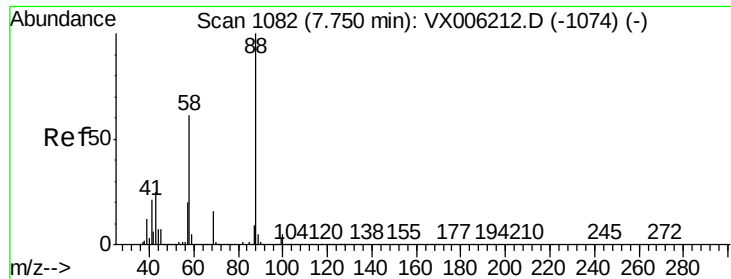
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#48
Methyl methacrylate
Concen: 47.210 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.0	70.3	105.5
39	56.1	45.3	67.9





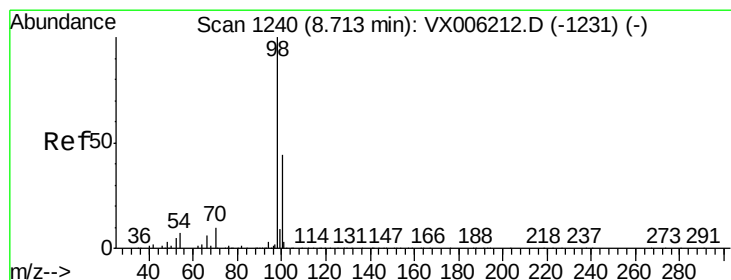
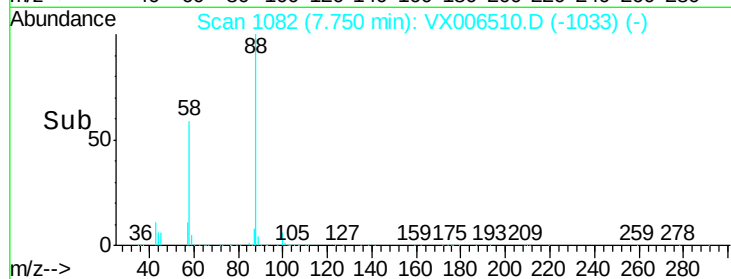
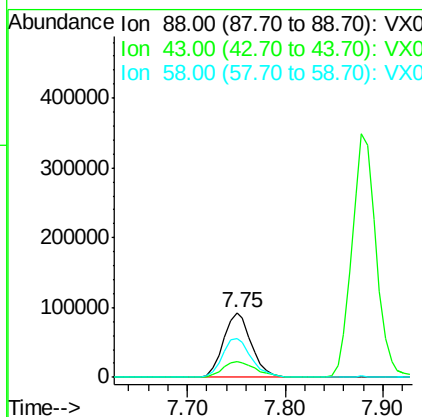
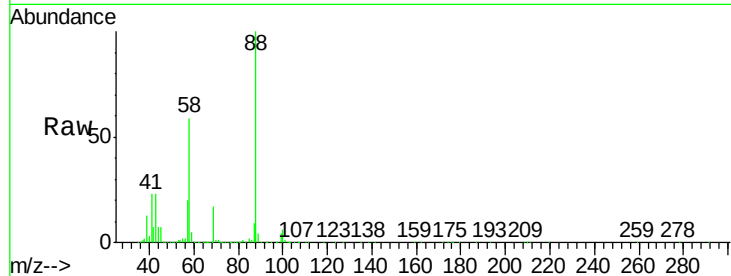
#49
1,4-Dioxane
Concen: 973.320 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.2	34.8
58	63.0	51.4	77.0

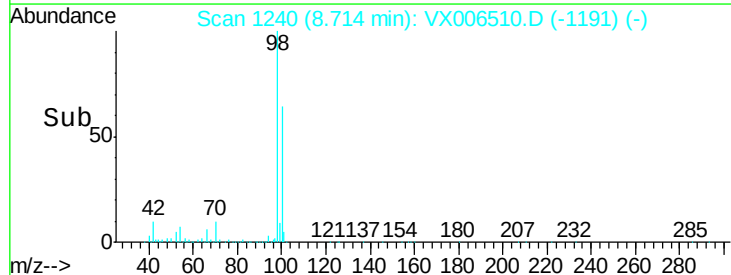
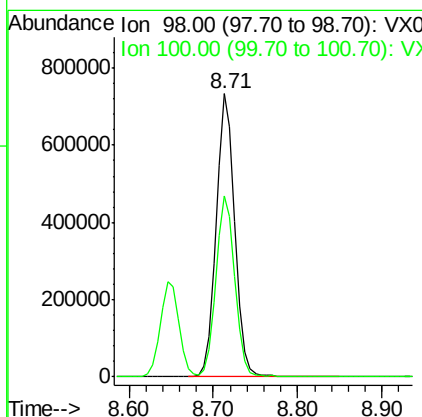
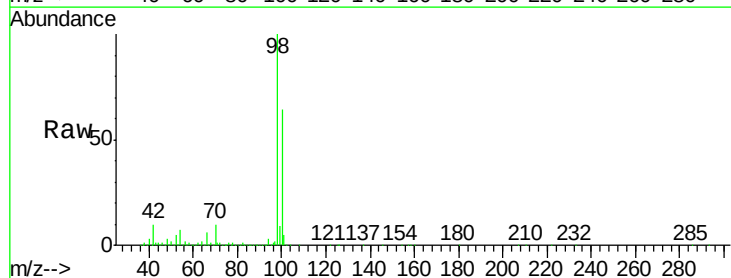
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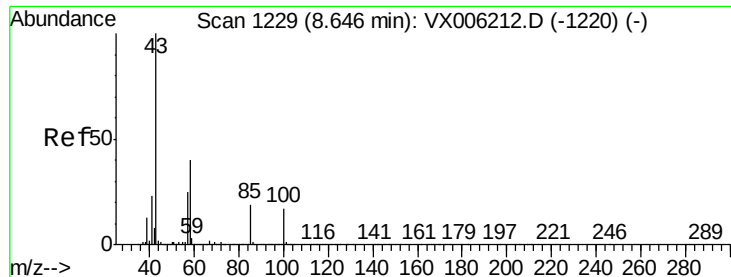
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#50
Toluene-d8
Concen: 48.086 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 242.412 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2193033

Ion Ratio Lower Upper

43 100

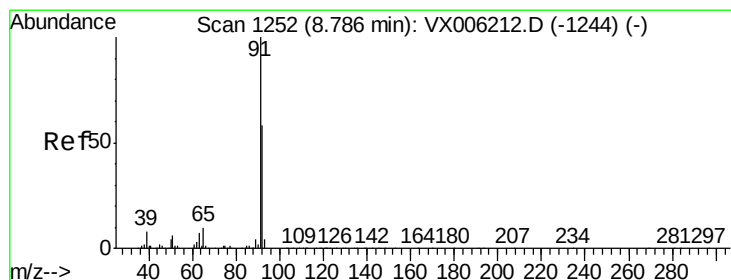
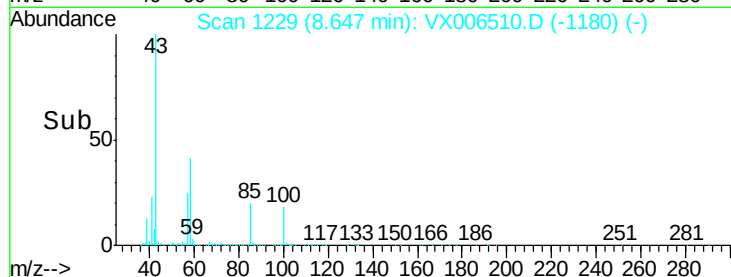
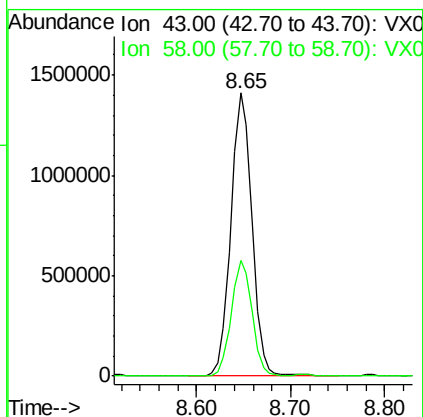
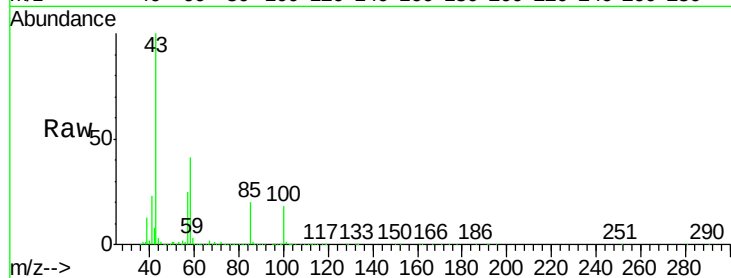
58 40.1 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 52.364 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006510.D

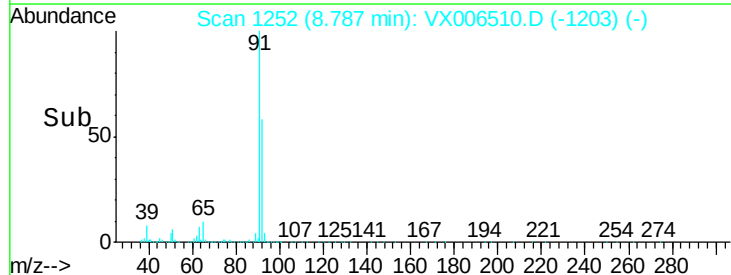
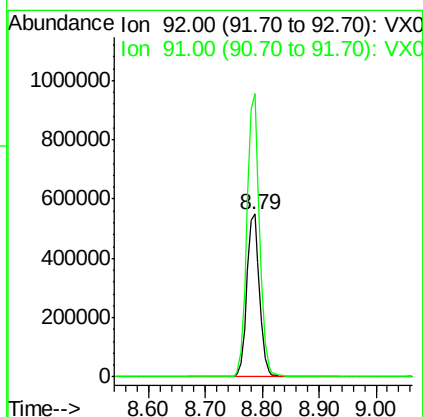
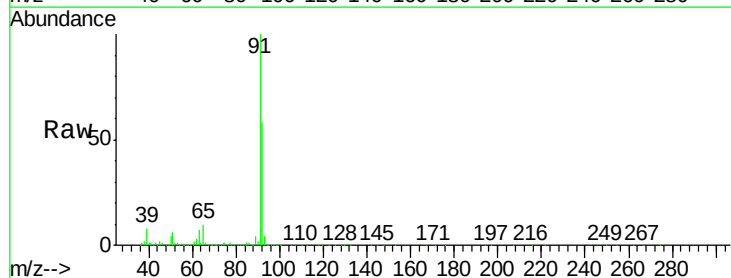
Acq: 14 Dec 2018 11:33

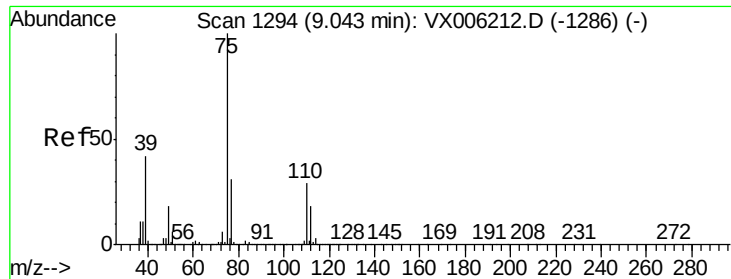
Tgt Ion: 92 Resp: 858777

Ion Ratio Lower Upper

92 100

91 172.8 139.2 208.8





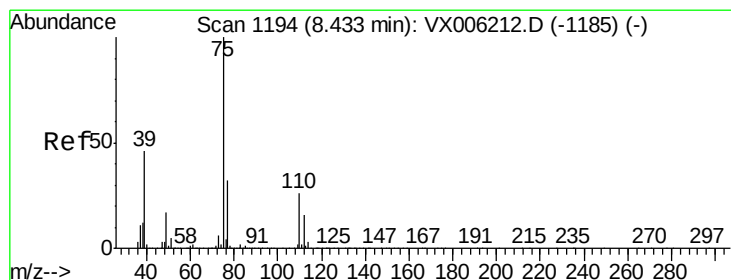
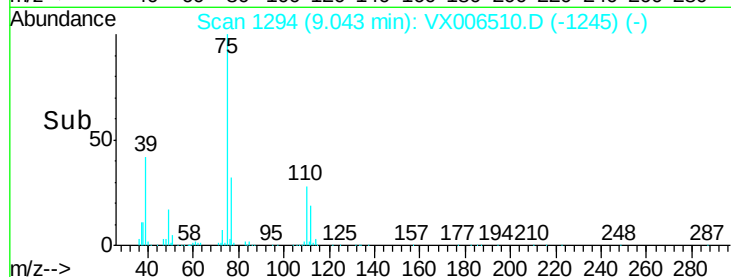
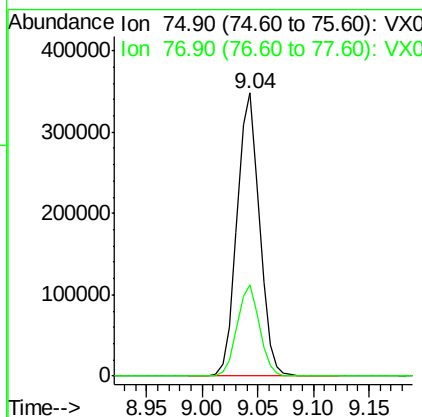
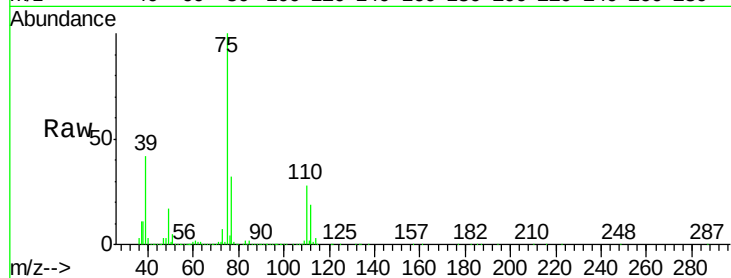
#53
t-1,3-Dichloropropene
Concen: 47.024 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 487305
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.4

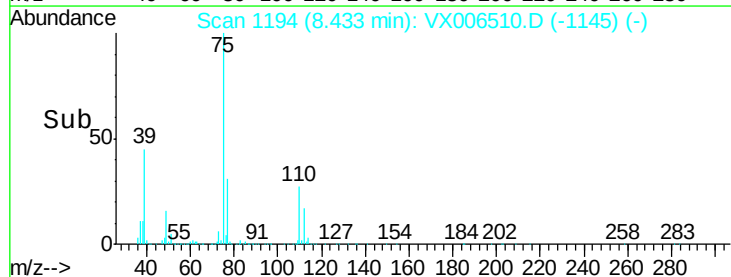
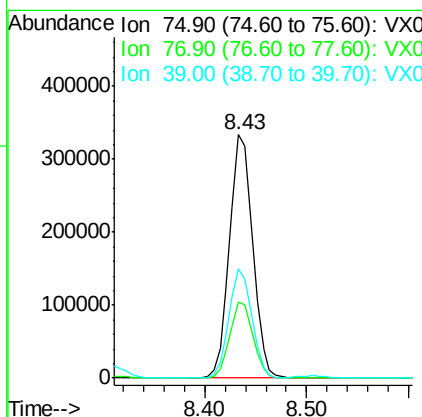
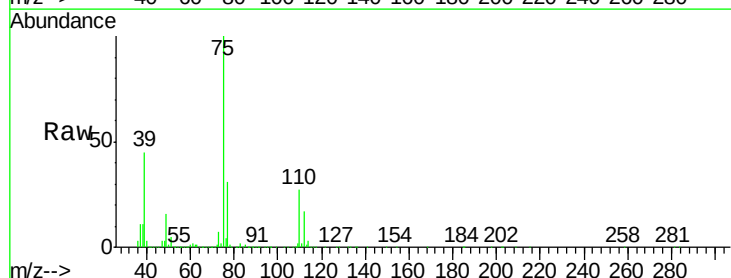
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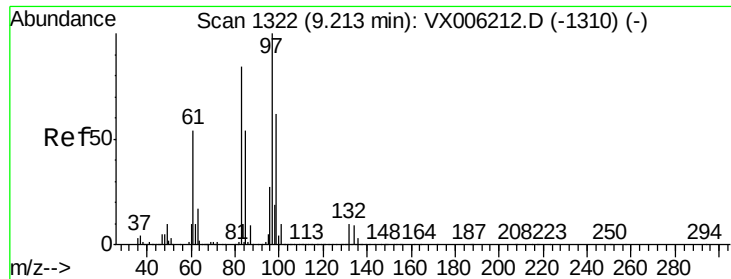
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#54
cis-1,3-Dichloropropene
Concen: 48.712 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion: 75 Resp: 524179
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 44.9 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 52.882 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

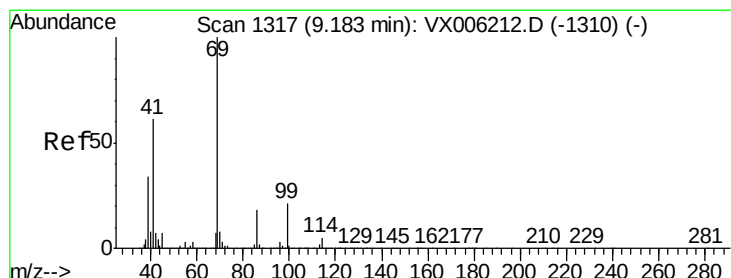
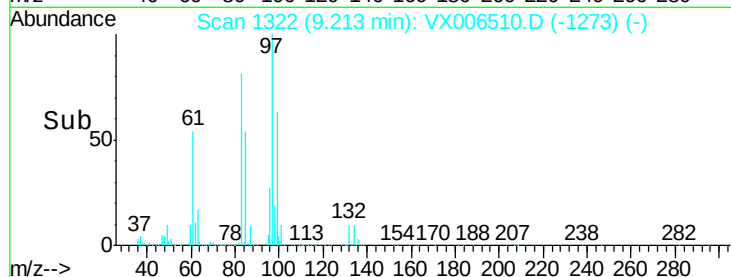
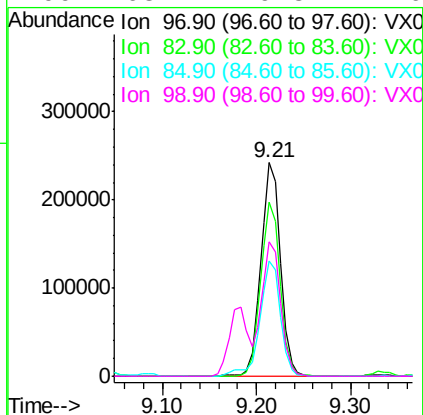
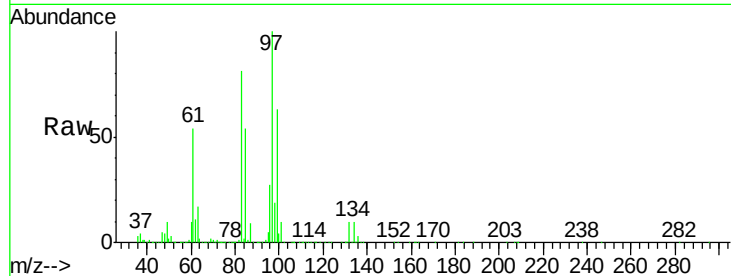
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	352335		
83	81.3	67.1	100.7	
85	53.7	43.2	64.8	
99	63.1	49.8	74.6	

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#56

Ethyl methacrylate

Concen: 49.891 ug/l

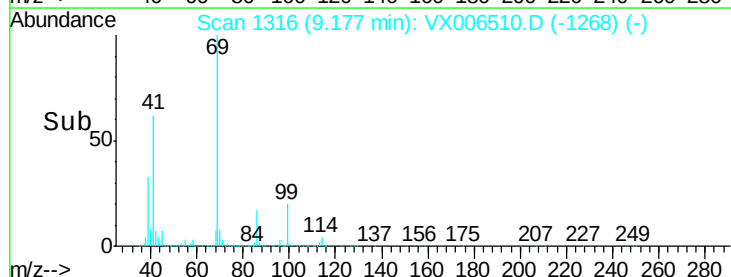
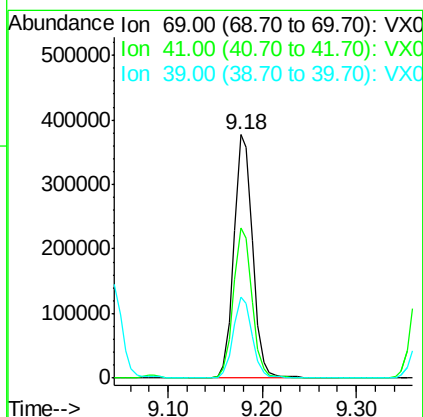
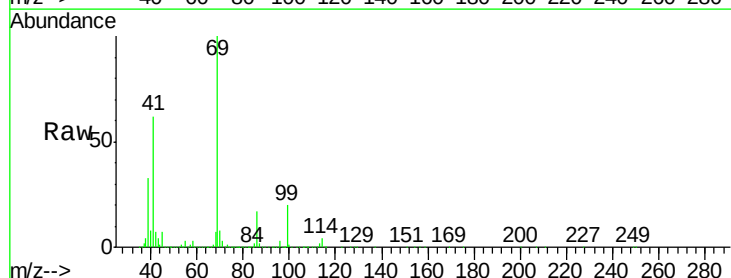
RT: 9.18 min Scan# 1316

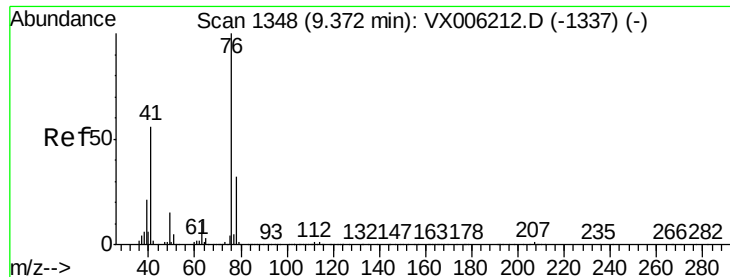
Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	519660		
41	60.9	50.6	76.0	
39	33.1	27.6	41.4	





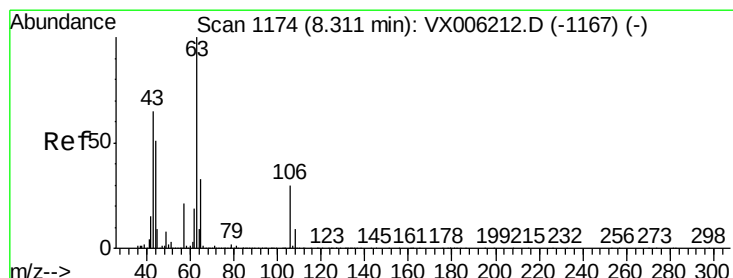
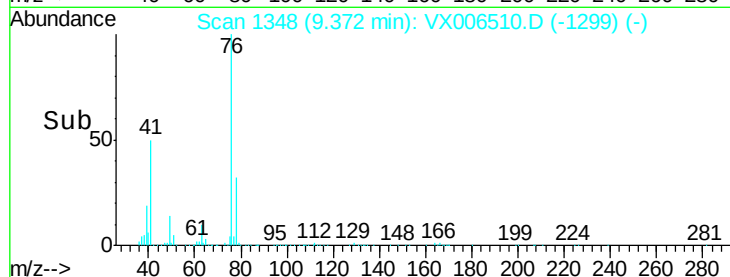
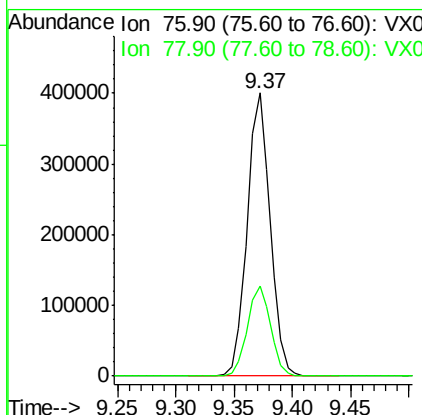
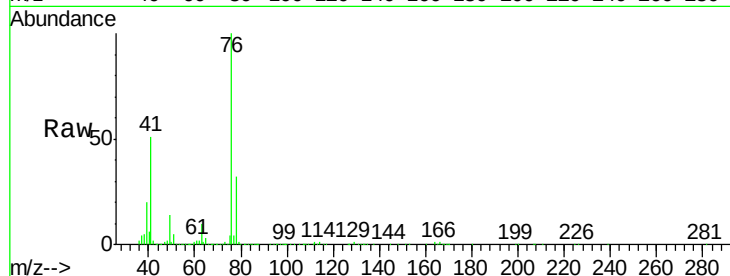
#57
 1,3-Dichloropropane
 Concen: 52.583 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 554002
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

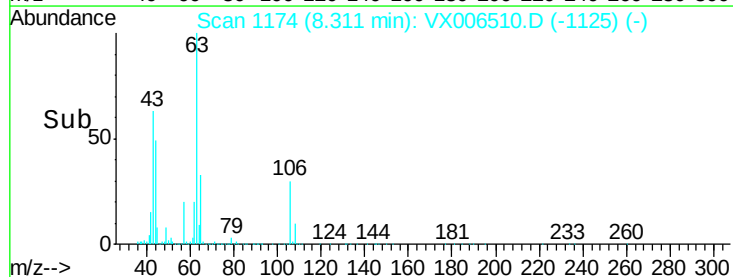
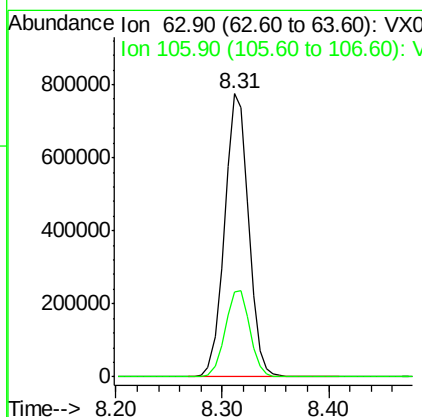
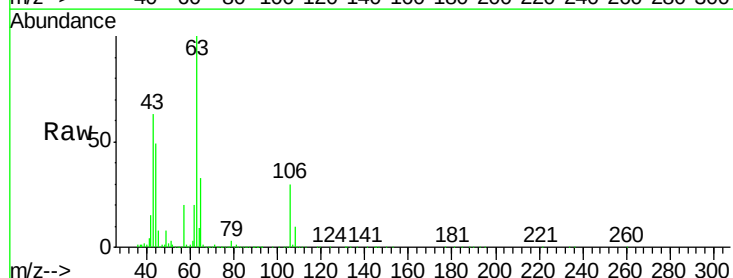
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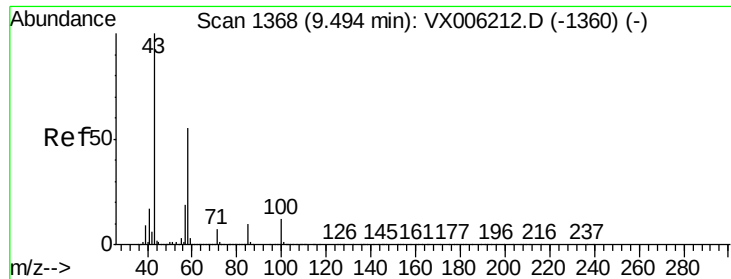
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#58
 2-Chloroethyl Vinyl ether
 Concen: 231.177 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Tgt Ion: 63 Resp: 1221905
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.9 37.3





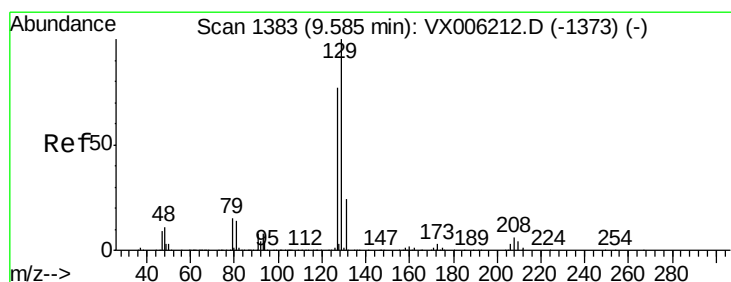
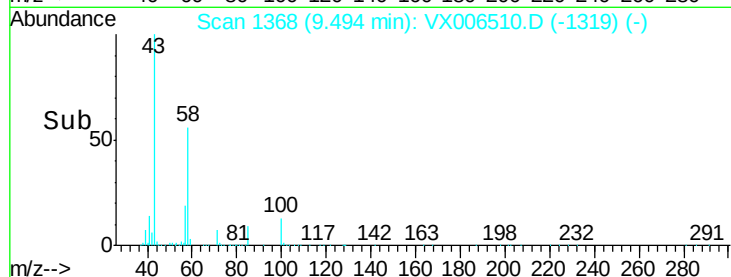
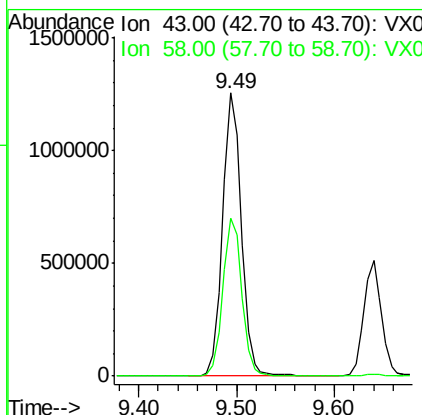
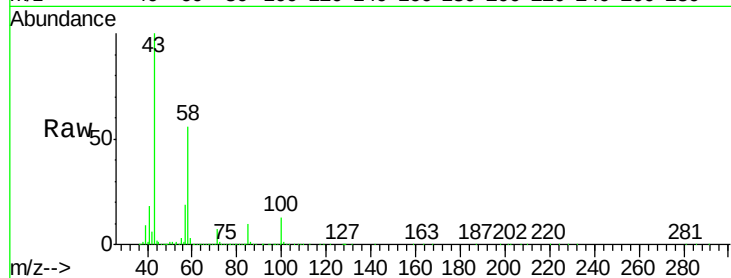
#59
2-Hexanone
Concen: 242.172 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1673826
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1

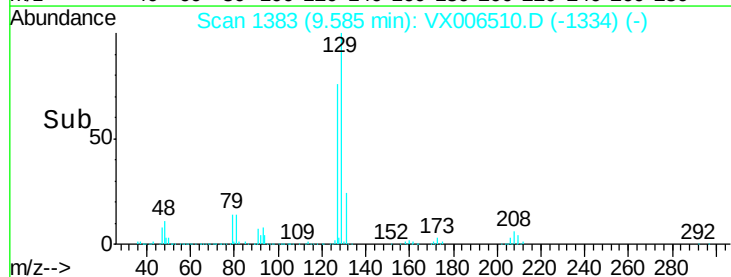
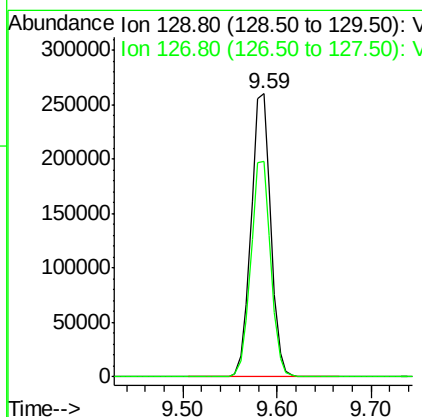
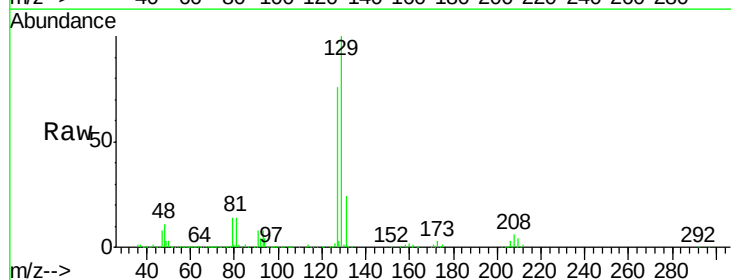
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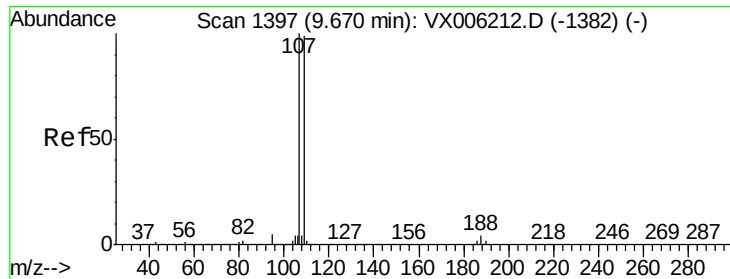
MMDadoda
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#60
Dibromochloromethane
Concen: 46.781 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion: 129 Resp: 384344
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.108 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 388200

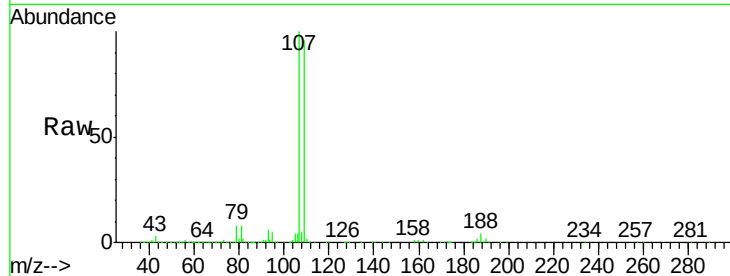
Ion Ratio Lower Upper

107 100

109 94.0 76.3 114.5

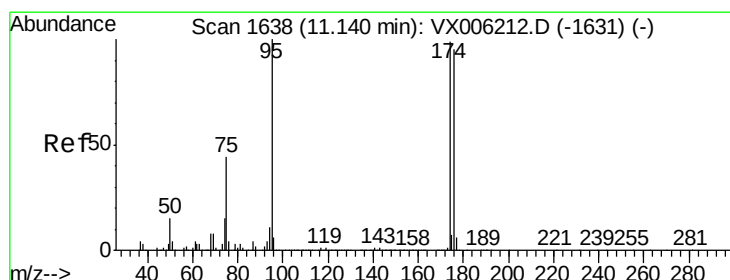
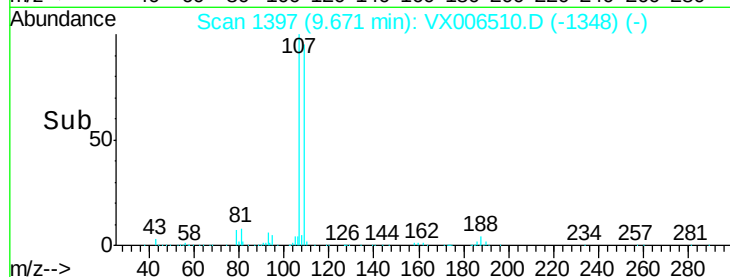
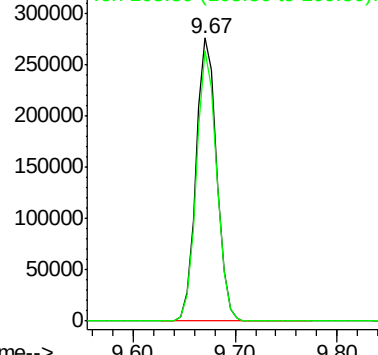
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.693 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

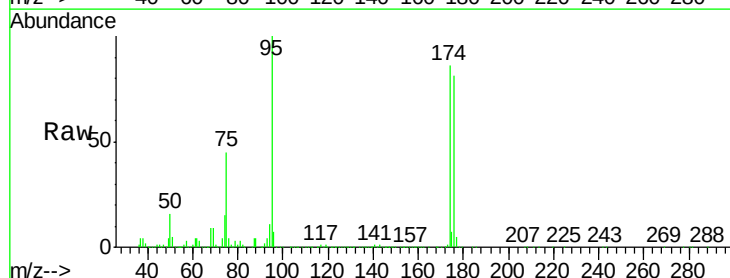
Tgt Ion: 95 Resp: 444650

Ion Ratio Lower Upper

95 100

174 92.4 0.0 187.0

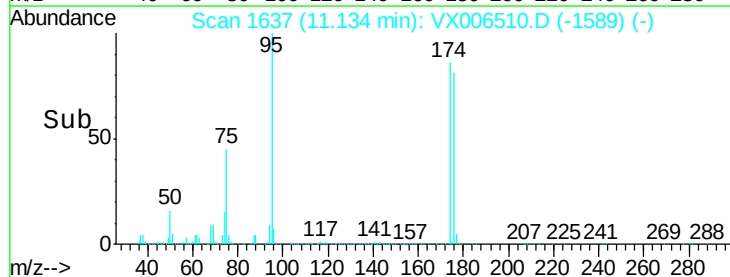
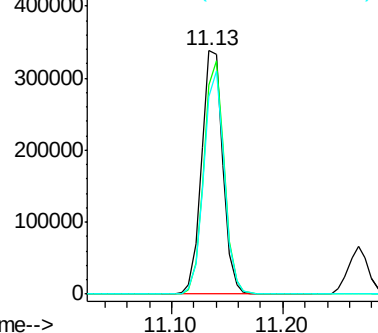
176 88.7 0.0 181.8

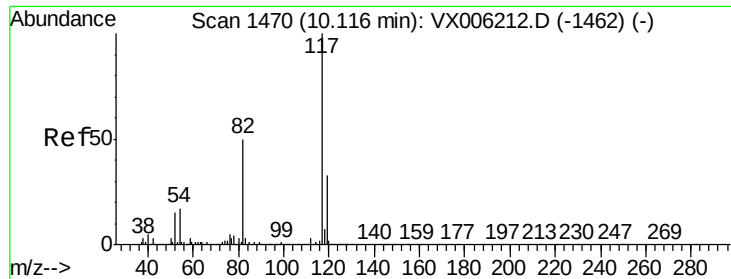


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

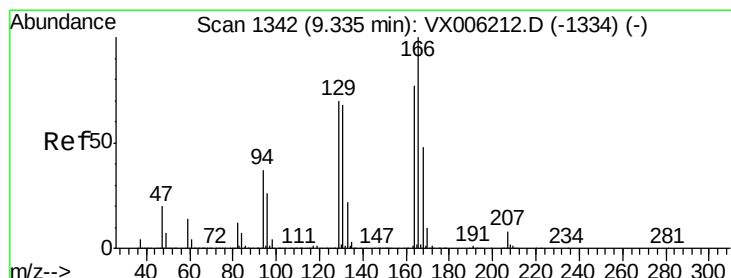
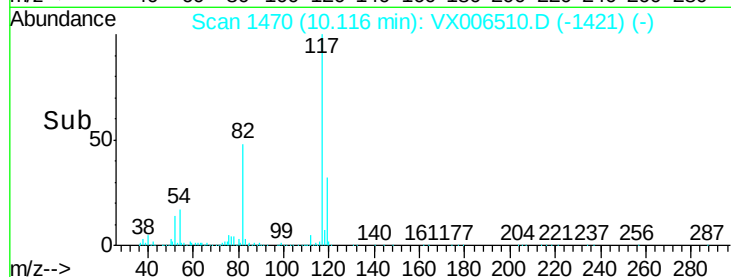
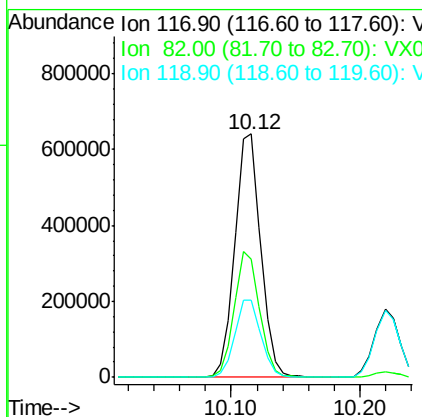
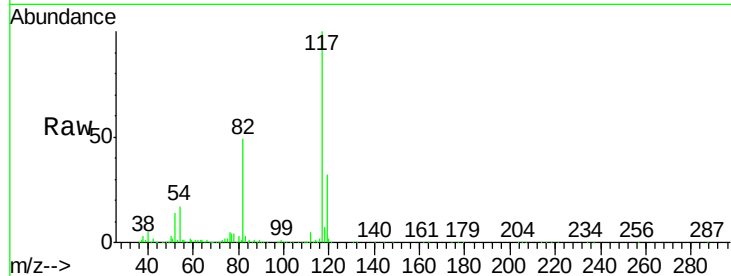
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	899635		
82	48.5	39.6	59.4	
119	31.8	26.3	39.5	

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#64

Tetrachloroethene

Concen: 54.013 ug/l

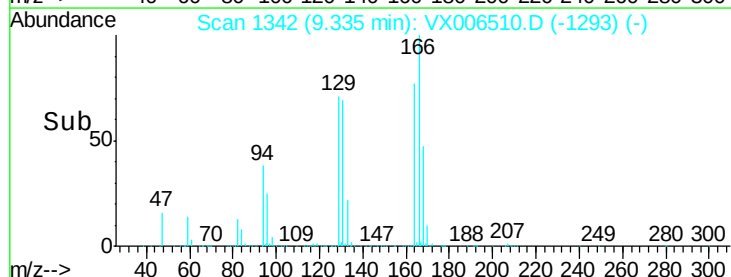
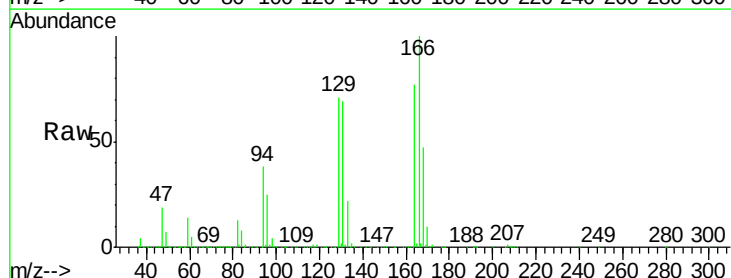
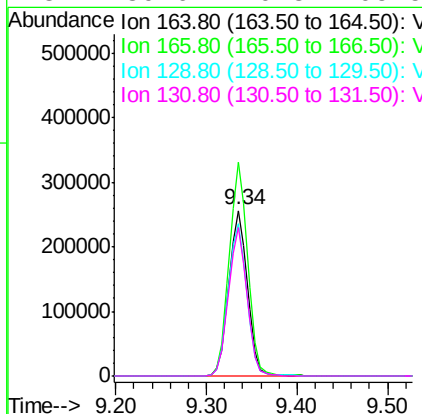
RT: 9.34 min Scan# 1342

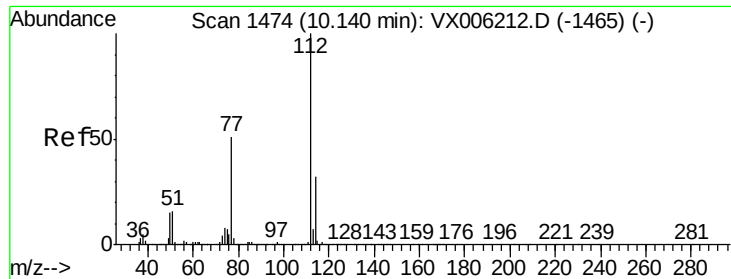
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	365942		
166	129.3	104.2	156.2	
129	92.2	72.6	108.8	
131	89.6	70.3	105.5	





#65

Chlorobenzene

Concen: 53.291 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1017718

Ion Ratio Lower Upper

112 100

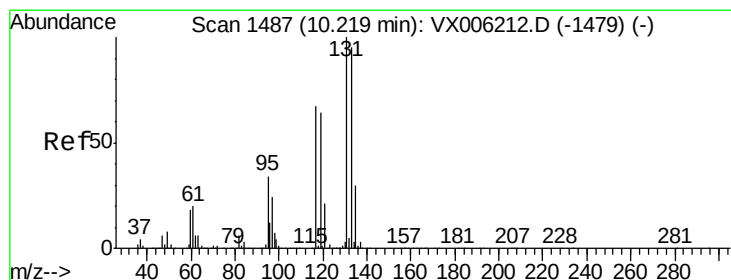
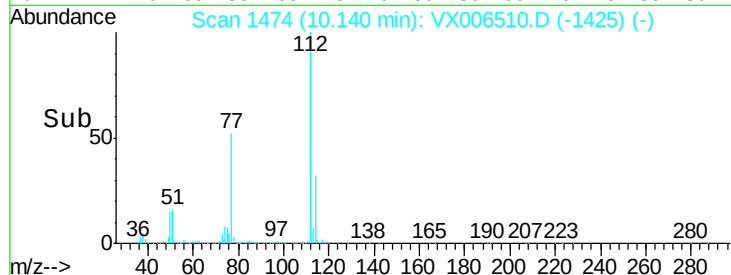
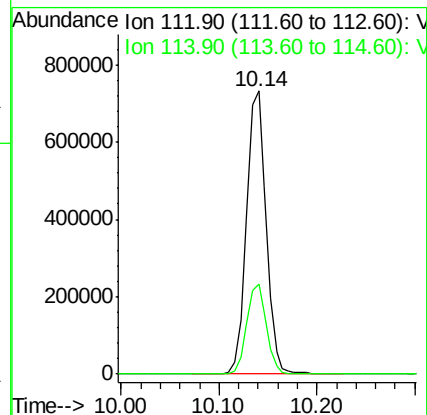
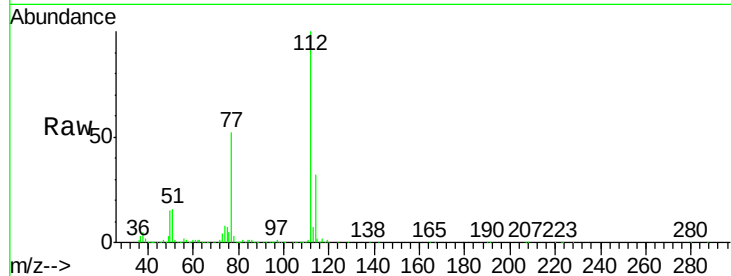
114 32.0 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.266 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

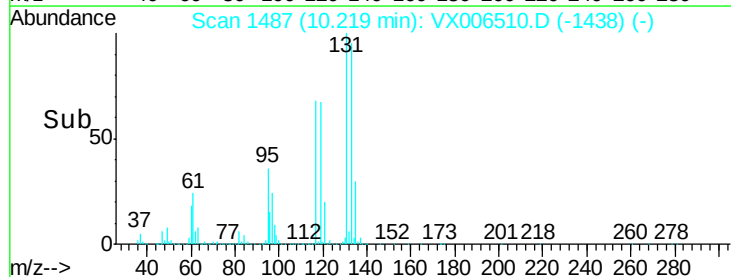
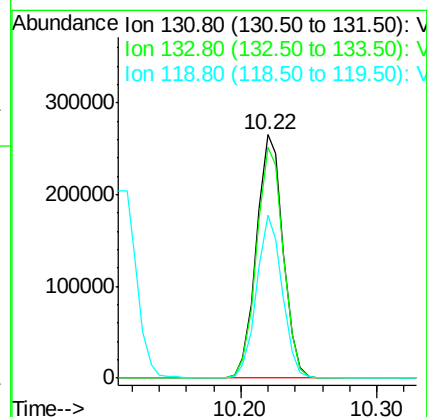
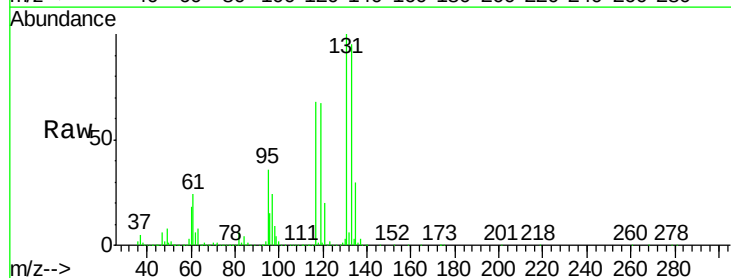
Tgt Ion:131 Resp: 365555

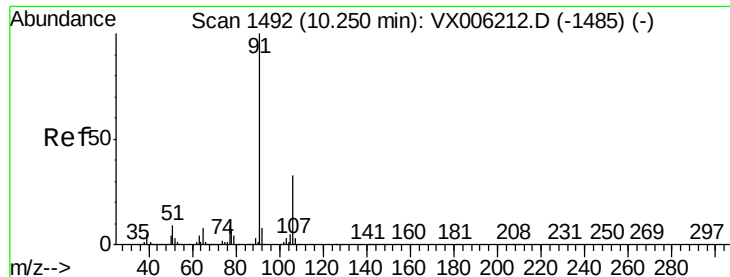
Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

119 64.3 32.1 96.3





#67

Ethyl Benzene

Concen: 52.527 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1668402

Ion Ratio Lower Upper

91 100

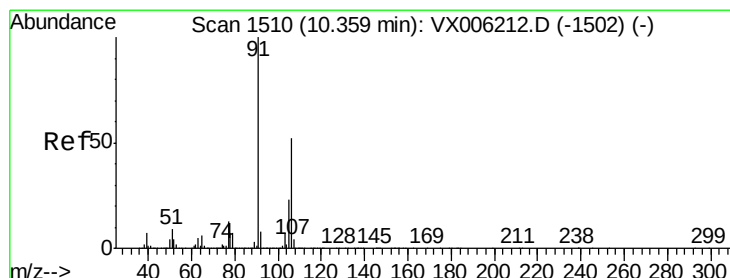
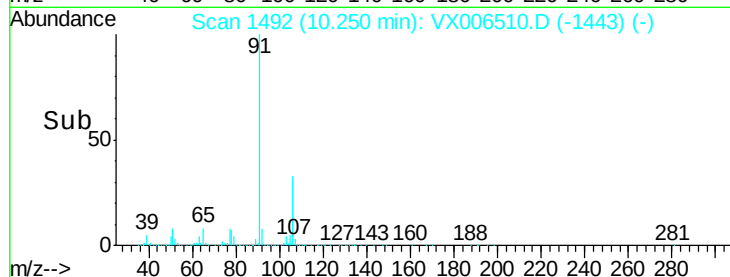
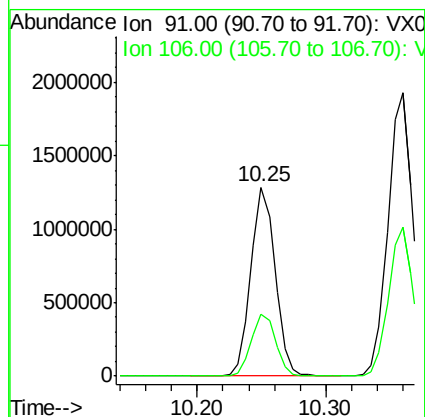
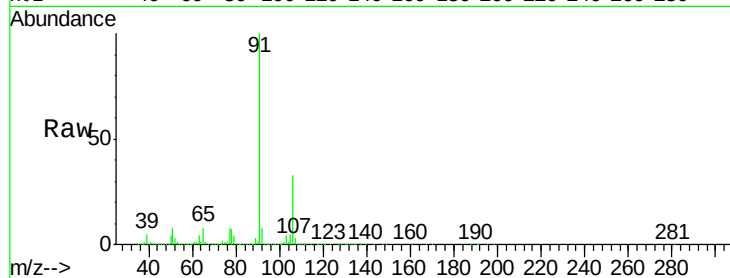
106 33.0 26.5 39.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.917 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006510.D

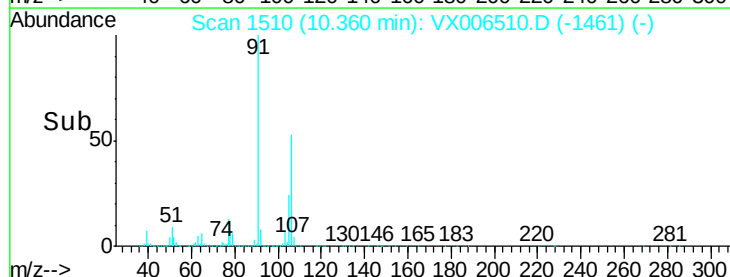
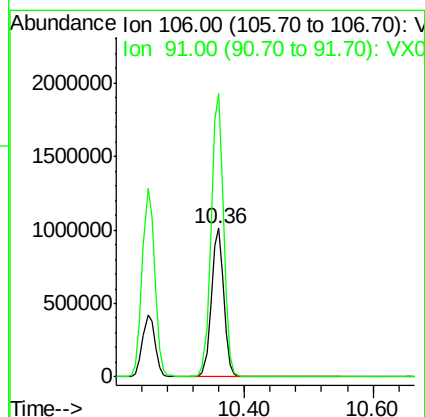
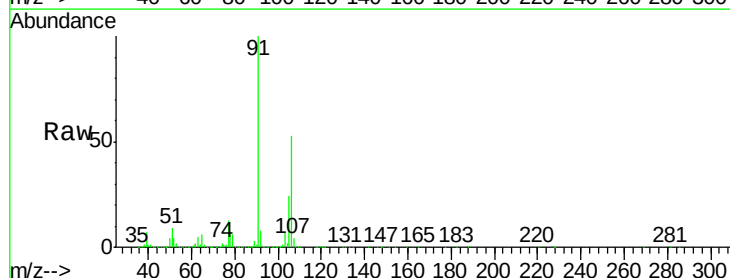
Acq: 14 Dec 2018 11:33

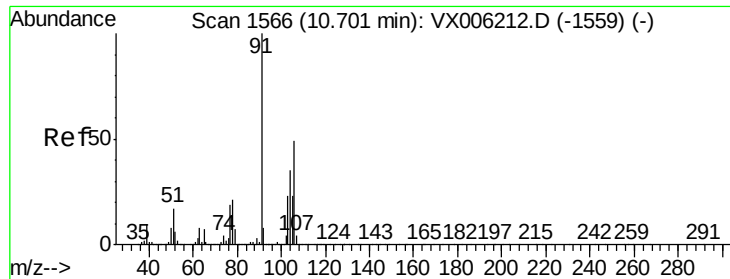
Tgt Ion: 106 Resp: 1360317

Ion Ratio Lower Upper

106 100

91 192.1 155.2 232.8





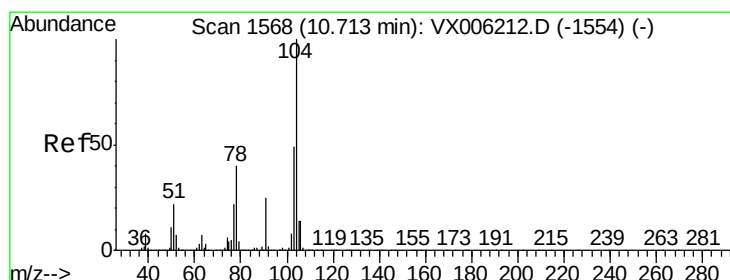
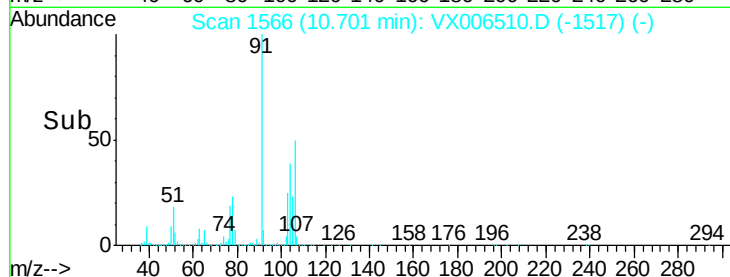
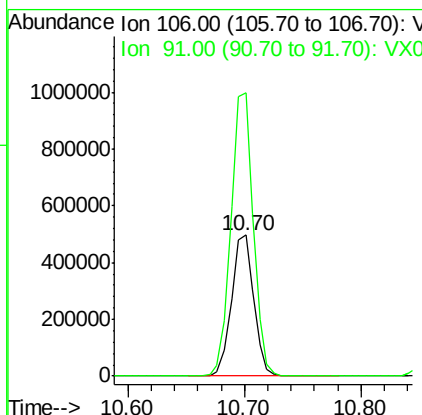
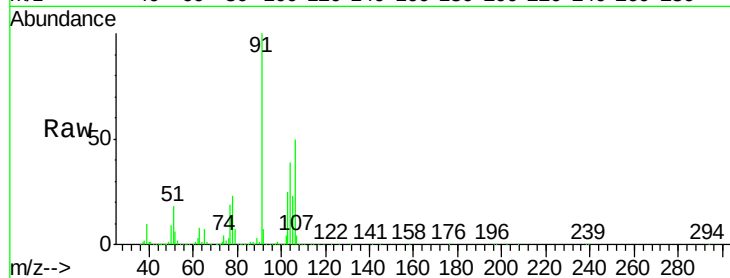
#69
o-Xylene
Concen: 52.666 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.2	101.8	305.6

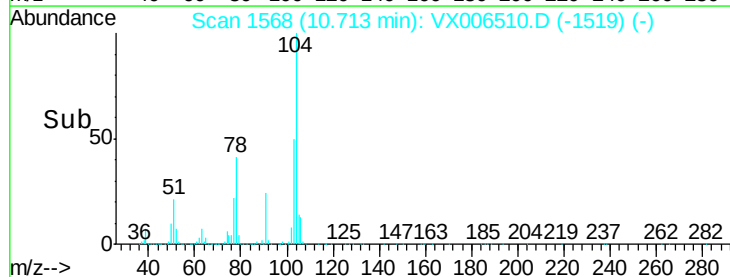
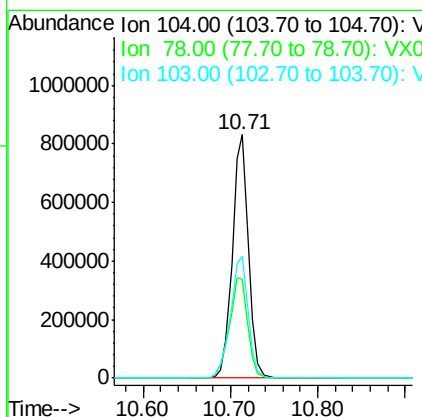
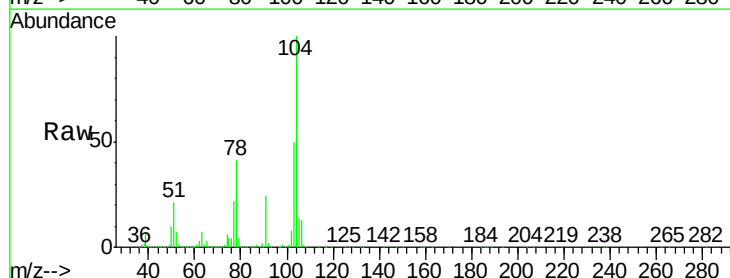
Manual Integrations
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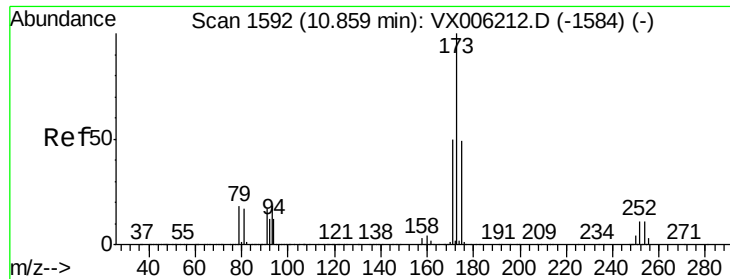
MMDadoda
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#70
Styrene
Concen: 52.841 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.2	55.8
103	55.3	43.5	65.3





#71

Bromoform

Concen: 43.072 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

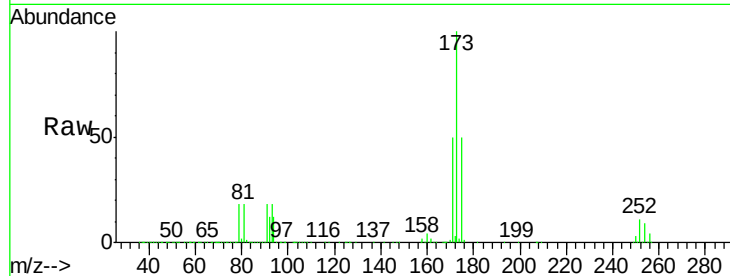
ClientSampleId :

VSTDCCC050

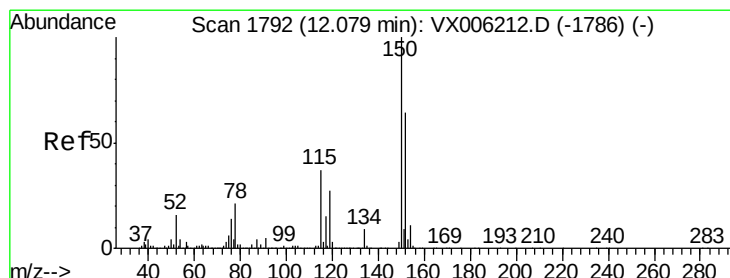
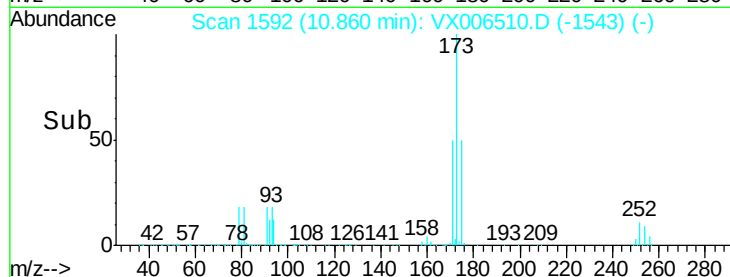
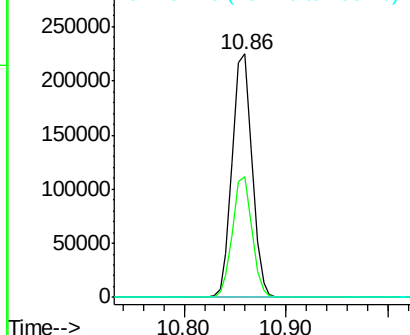
Tgt Ion:	173	Resp:	301687
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.6	73.8
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

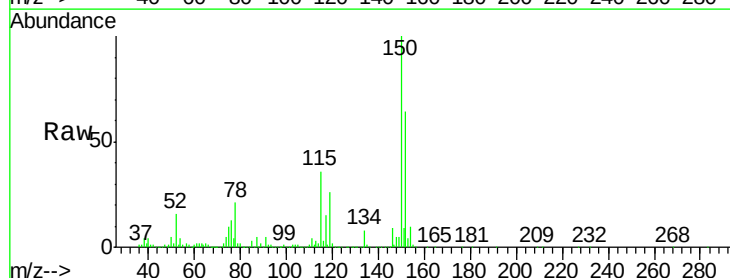
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

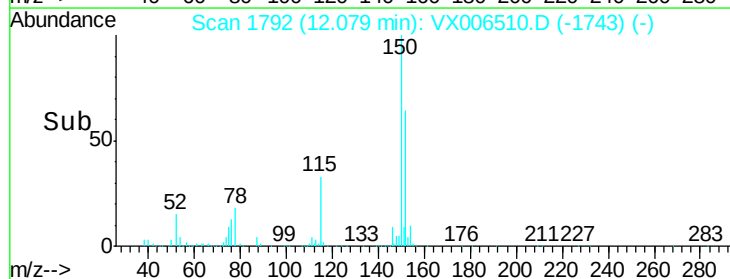
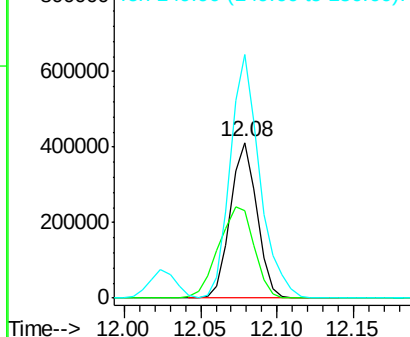
Lab File: VX006510.D

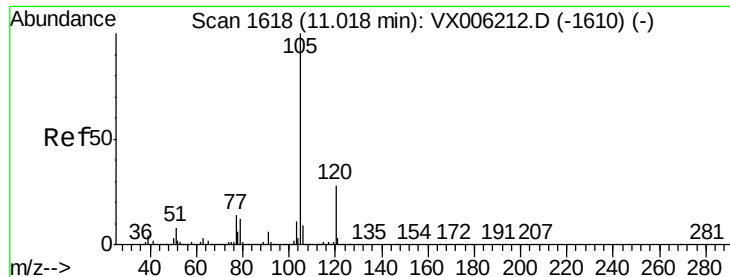
Acq: 14 Dec 2018 11:33

Tgt Ion:	152	Resp:	494672
Ion Ratio	Lower	Upper	
152	100		
115	79.0	39.0	116.9
150	174.0	0.0	345.8



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: 51.223 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1749866

Ion Ratio Lower Upper

105 100

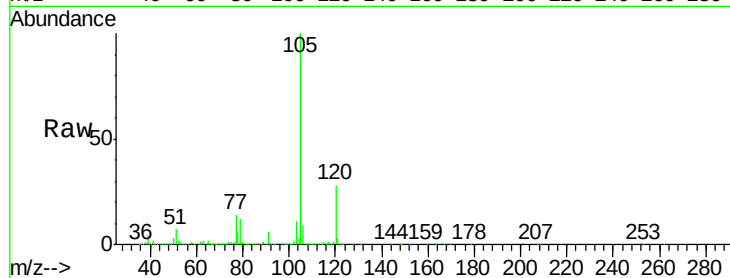
120 28.3 14.1 42.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

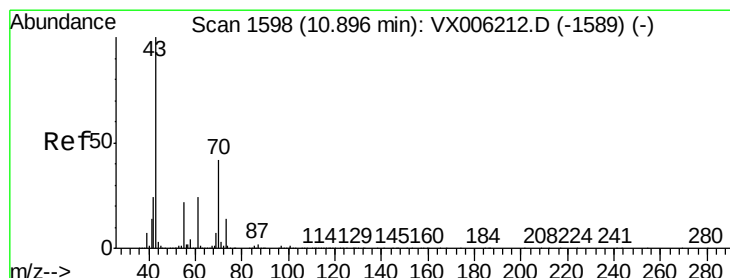
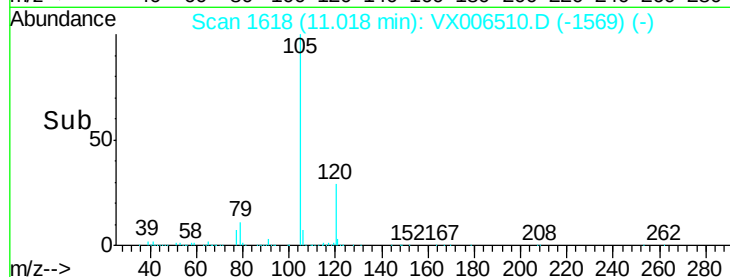
1500000

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 45.055 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion: 43 Resp: 662786

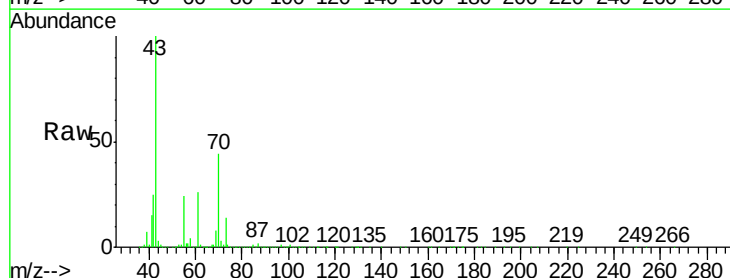
Ion Ratio Lower Upper

43 100

70 44.9 34.1 51.1

55 23.7 17.8 26.8

61 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

800000

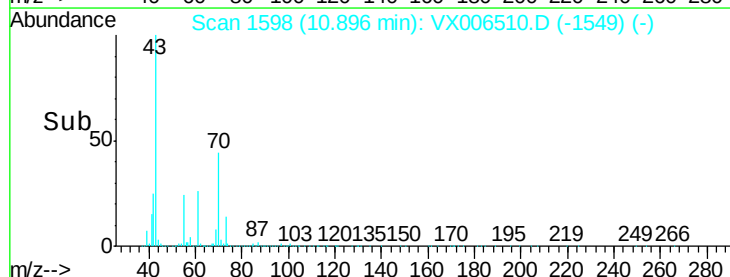
600000

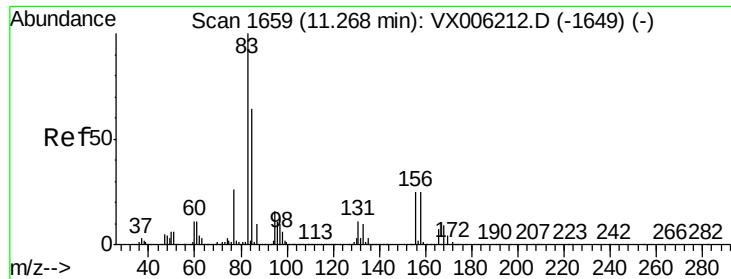
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 47.602 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 520238
Ion Ratio Lower Upper

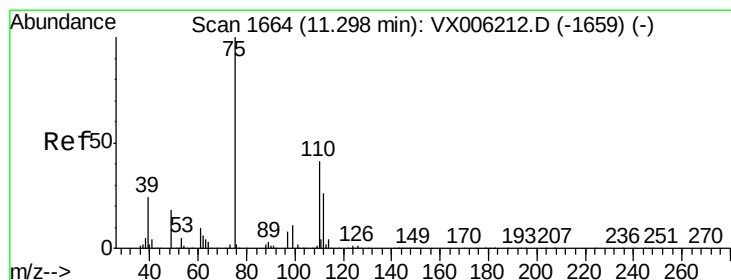
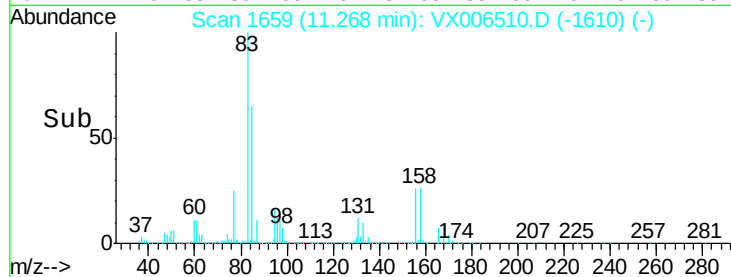
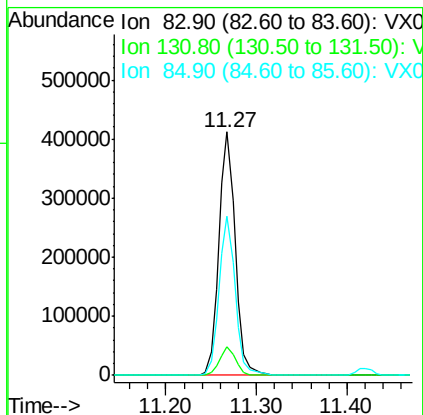
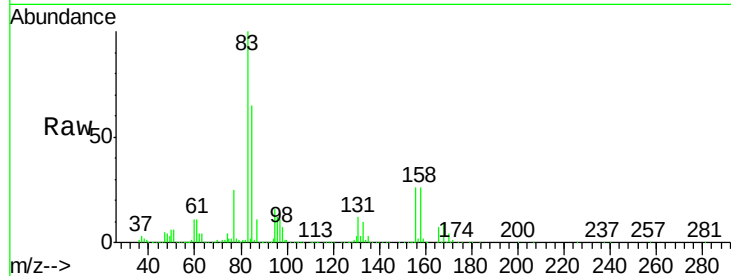
83 100

131 11.4 5.7 17.1

85 64.6 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 52.402 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

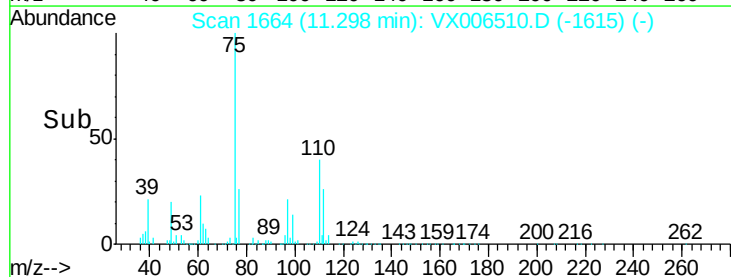
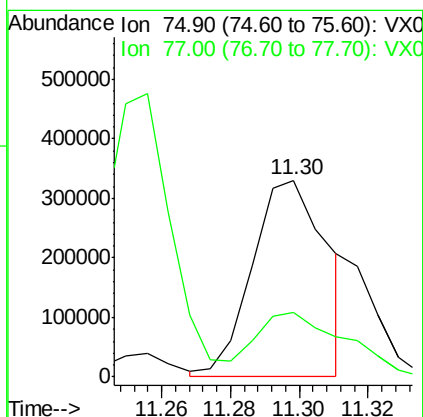
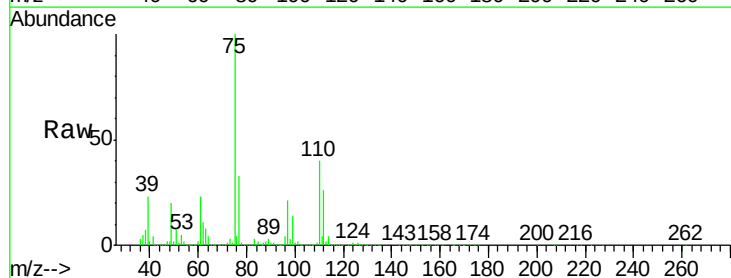
Lab File: VX006510.D

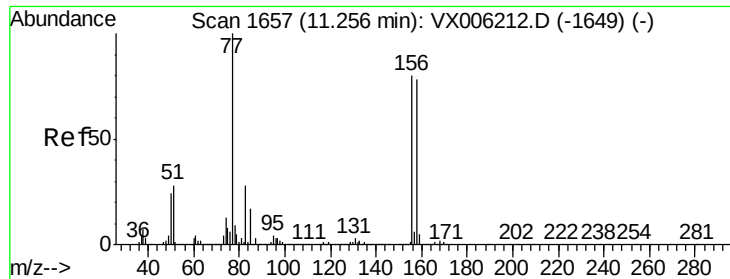
Acq: 14 Dec 2018 11:33

Tgt Ion: 75 Resp: 500333
Ion Ratio Lower Upper

75 100

77 38.7 19.9 59.7





#77

Bromobenzene

Concen: 50.984 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

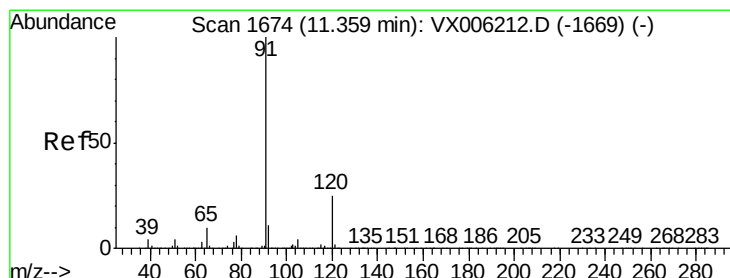
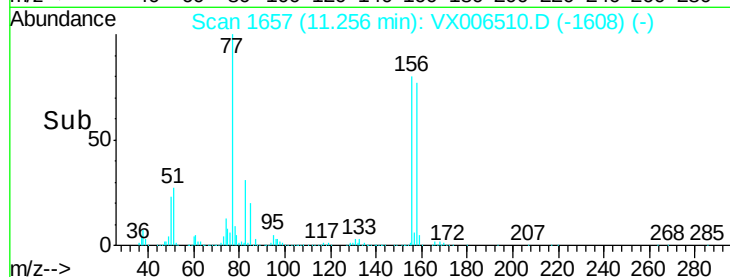
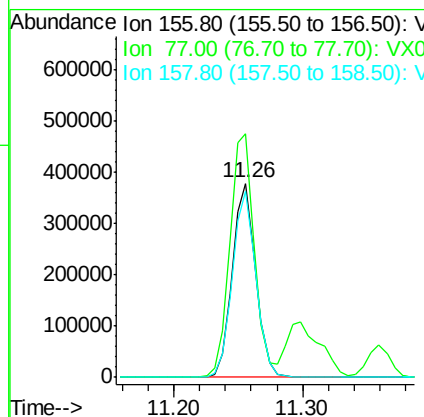
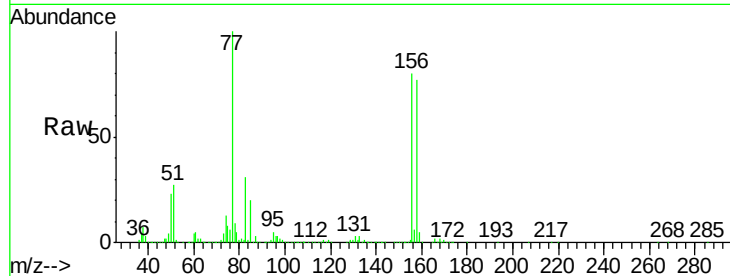
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	483347
Ion Ratio	Lower	Upper	
156	100		
77	132.4	66.2	198.6
158	96.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 52.340 ug/l

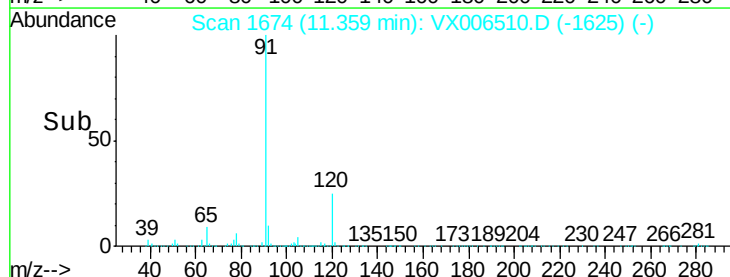
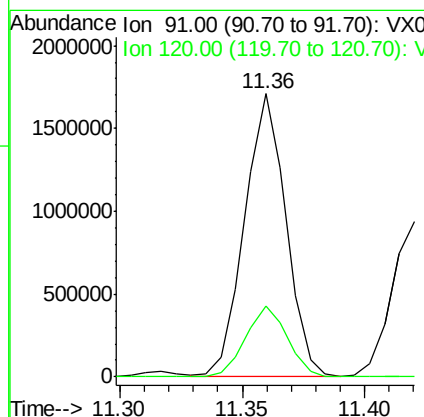
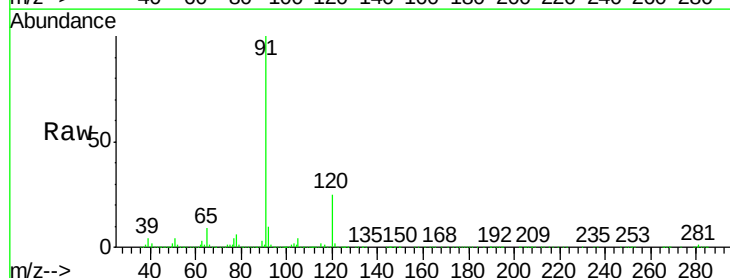
RT: 11.36 min Scan# 1674

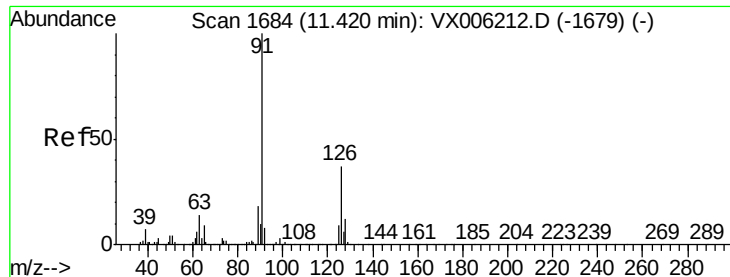
Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Tgt Ion:	91	Resp:	1987542
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 51.482 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1161963

Ion Ratio Lower Upper

91 100

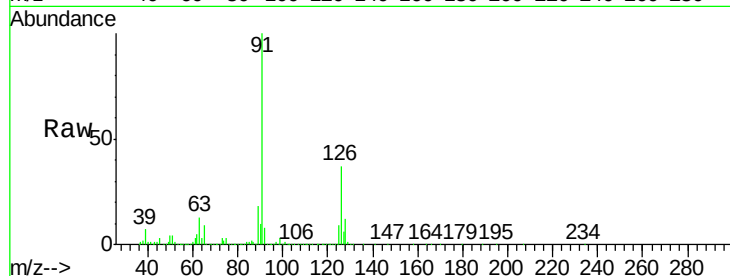
126 37.4 18.6 56.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX006510.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006510.D (-1635) (-)

2000000

1500000

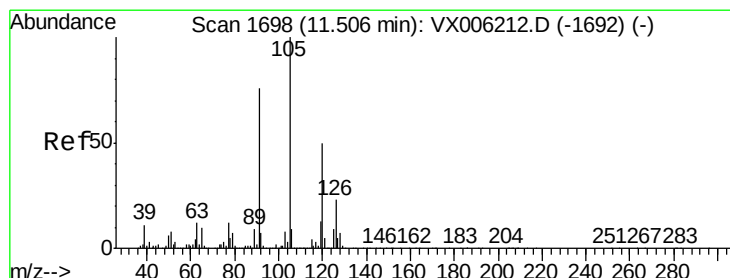
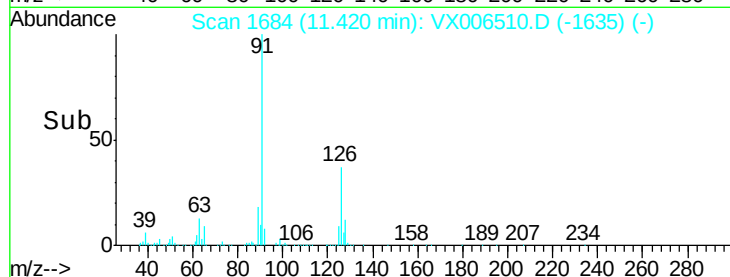
1000000

500000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.851 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006510.D

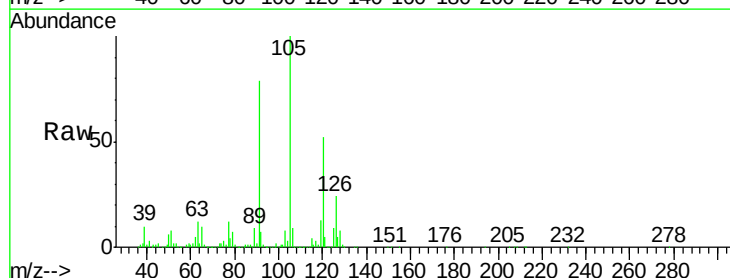
Acq: 14 Dec 2018 11:33

Tgt Ion: 105 Resp: 1473768

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006510.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006510.D (-1649) (-)

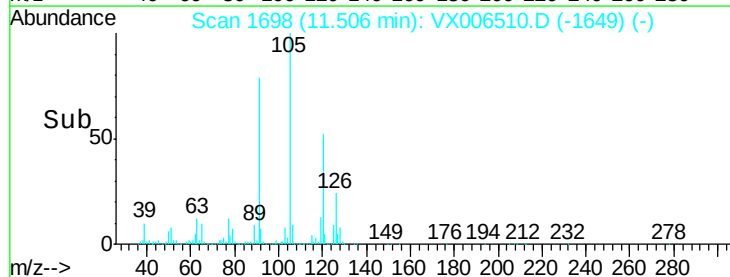
1000000

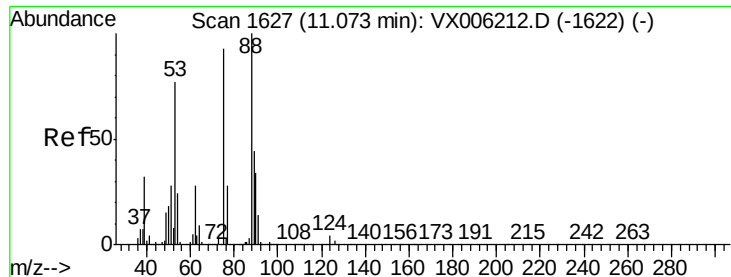
500000

0

11.50 11.60

Time-->





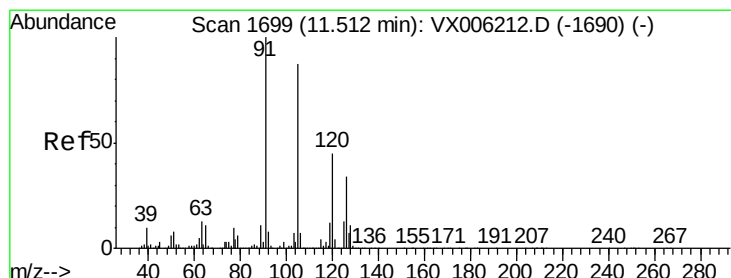
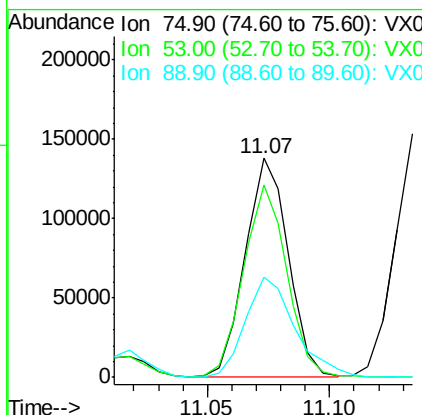
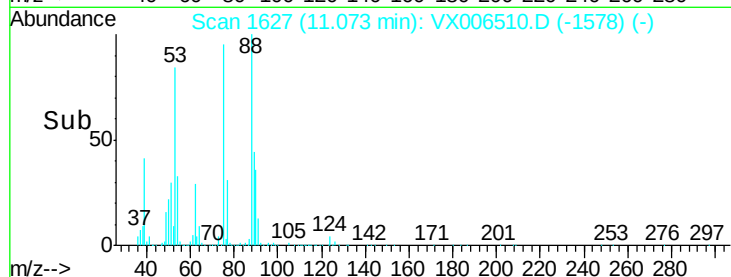
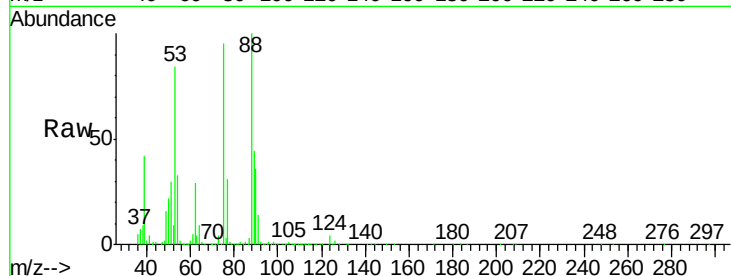
#81
trans-1,4-Dichloro-2-butene
Concen: 41.624 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169353		
53	88.2	64.4	96.6	
89	53.5	44.2	66.4	

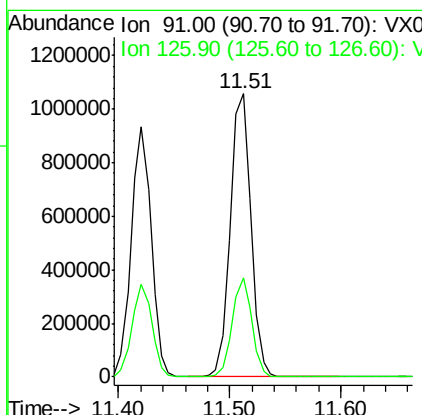
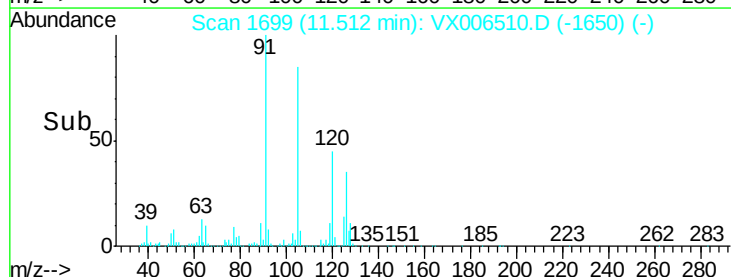
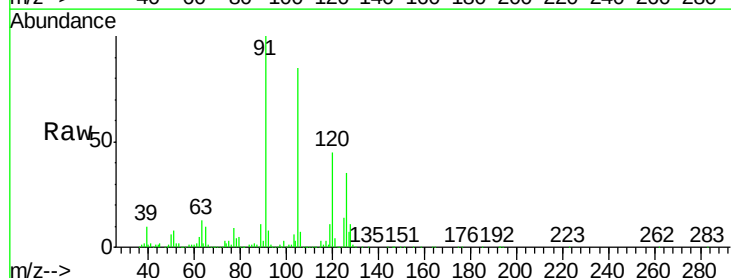
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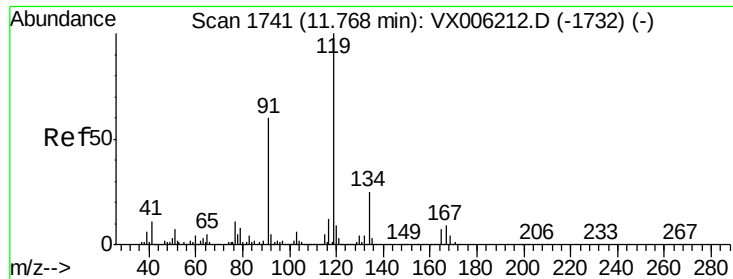
MMDadoda
12/17/2018 12:12:09 PM



#82
4-Chlorotoluene
Concen: 51.673 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1355969		
126	33.2	16.4	49.4	





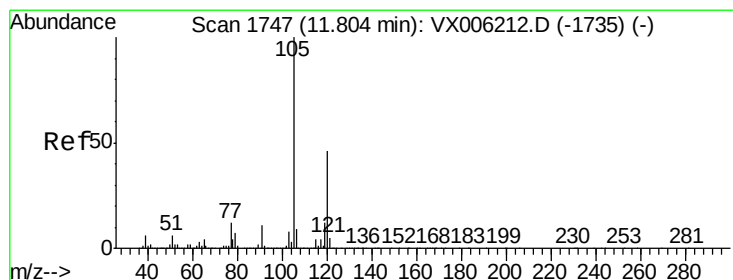
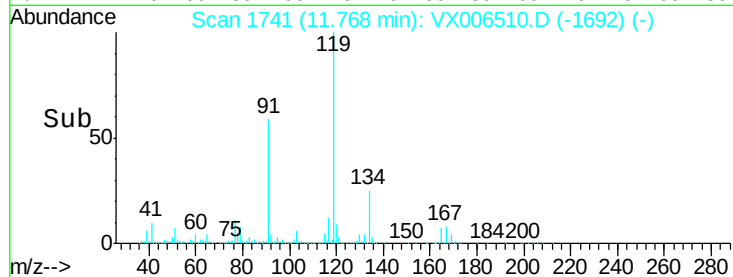
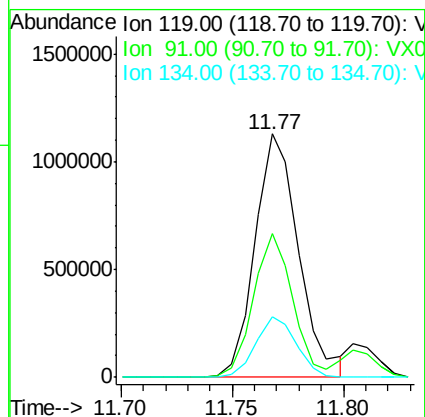
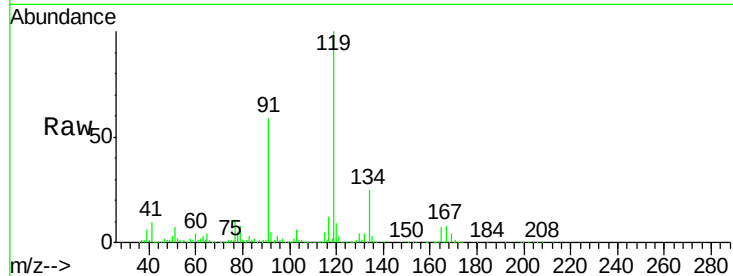
#83
 tert-Butylbenzene
 Concen: 50.737 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.6	26.4	79.2
134	23.3	11.6	34.7

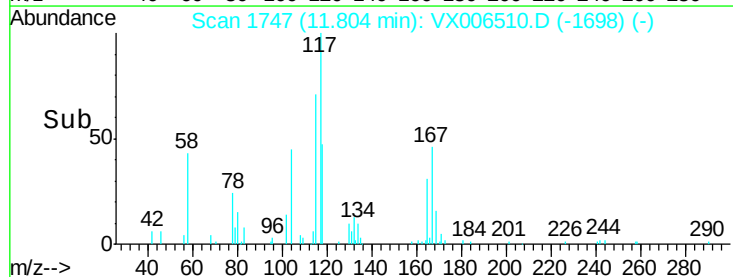
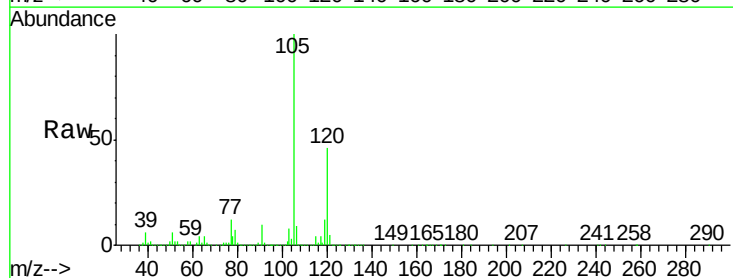
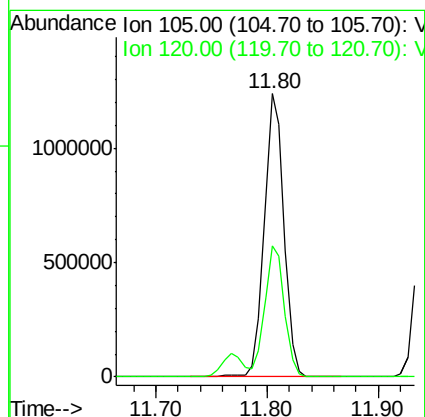
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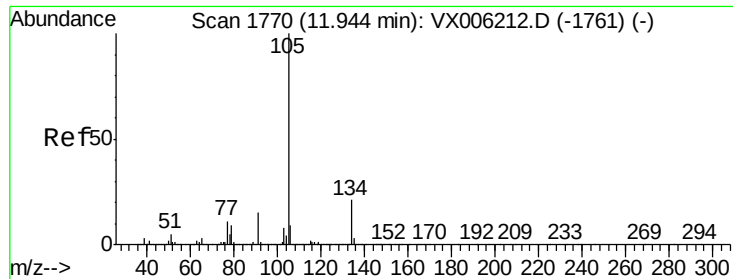
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.183 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0





#85

sec-Butylbenzene

Concen: 53.205 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1835604

Ion Ratio Lower Upper

105 100

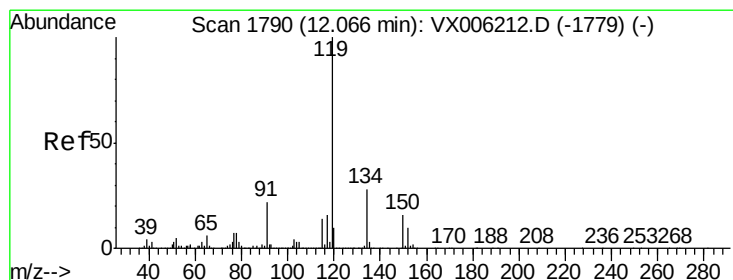
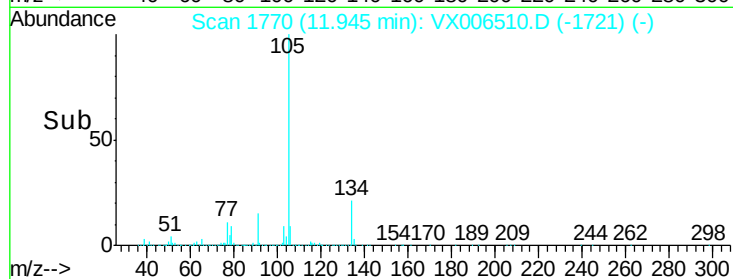
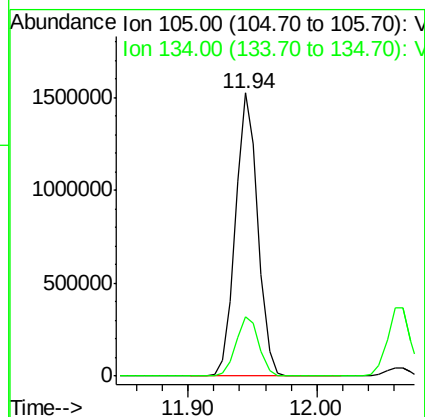
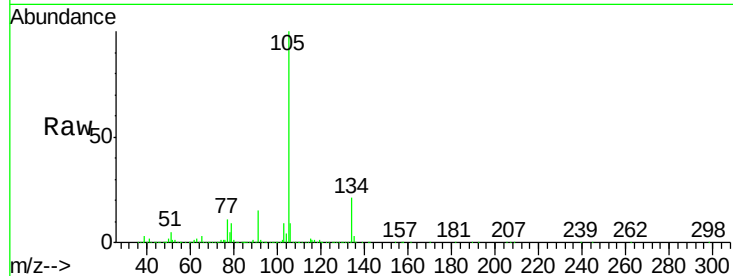
134 21.7 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.128 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006510.D

Acq: 14 Dec 2018 11:33

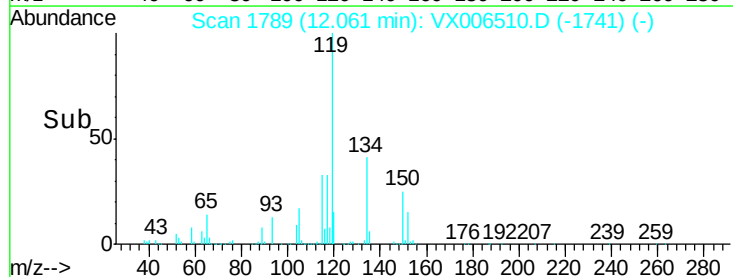
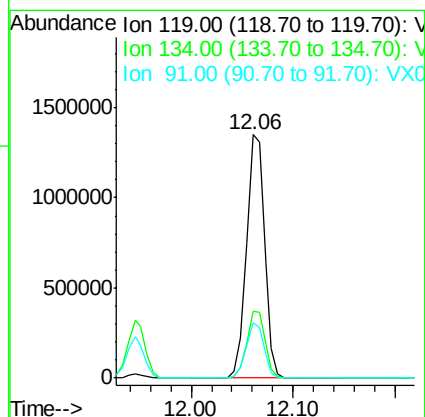
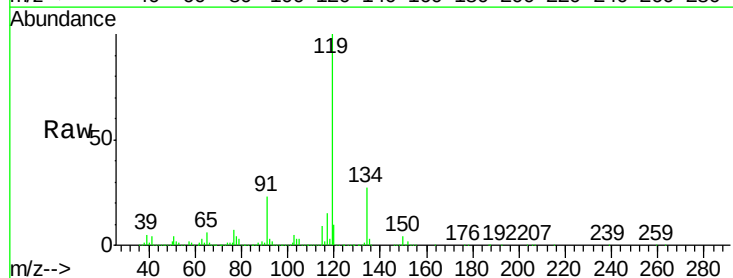
Tgt Ion:119 Resp: 1650513

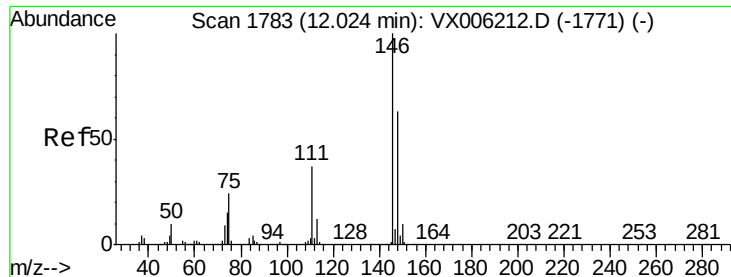
Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 22.3 11.3 33.8





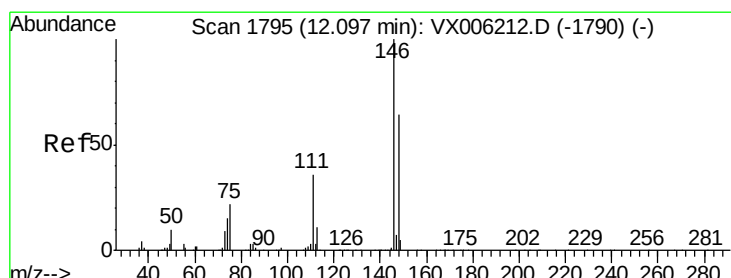
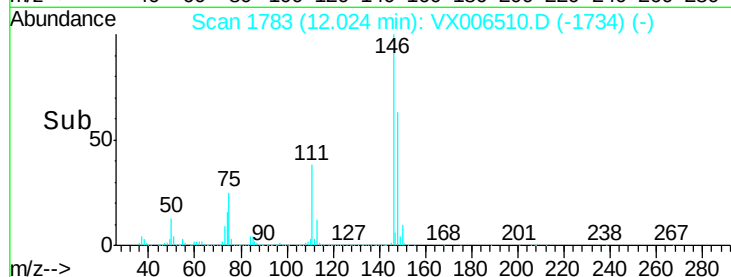
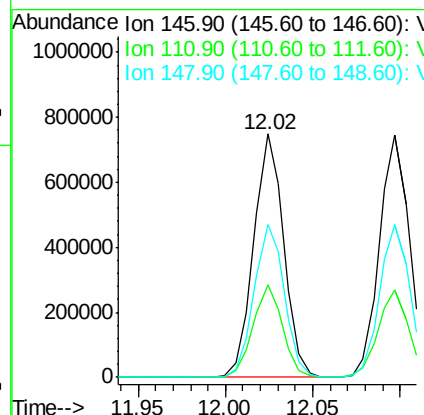
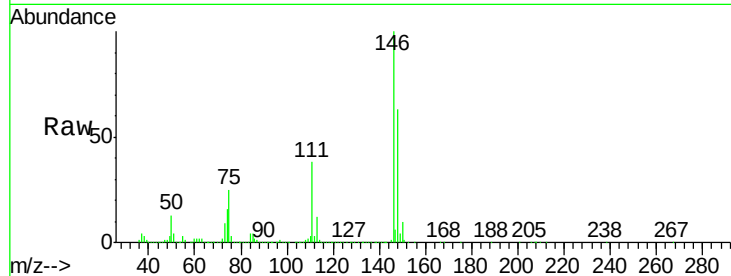
#87
 1,3-Dichlorobenzene
 Concen: 53.258 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	898406		
111	37.1	18.4	55.2	
148	63.4	32.0	96.0	

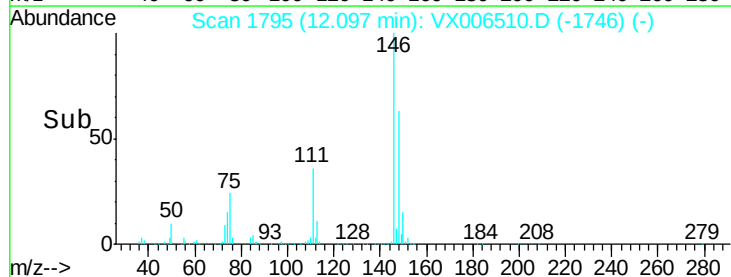
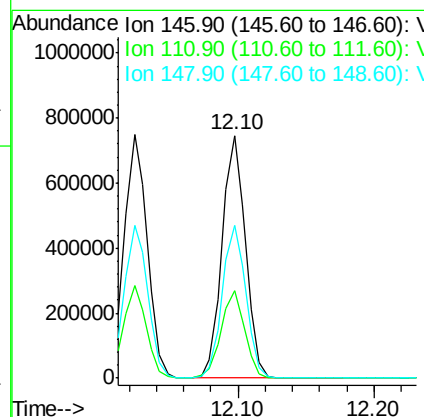
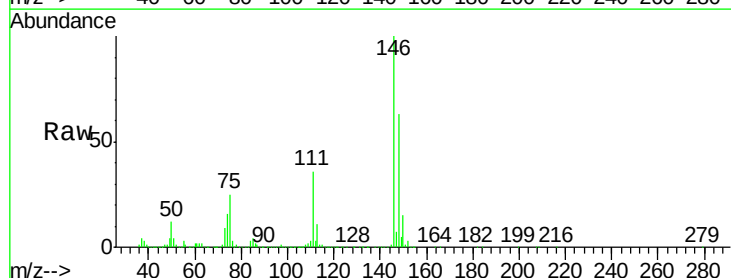
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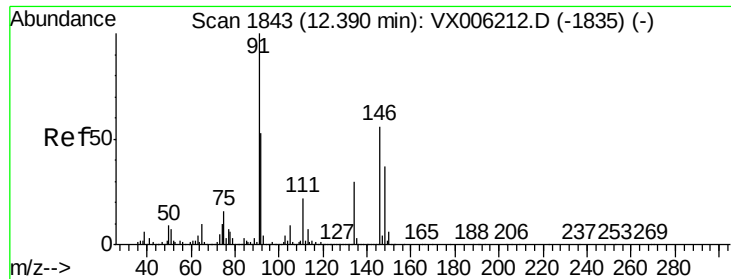
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#88
 1,4-Dichlorobenzene
 Concen: 51.996 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	890254		
111	36.3	18.3	54.8	
148	63.5	31.9	95.9	





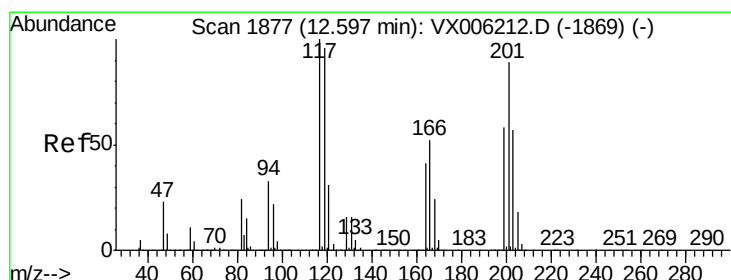
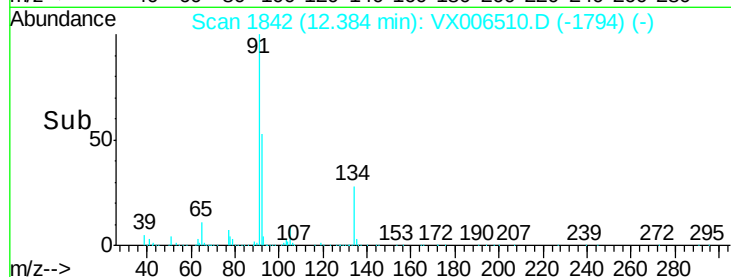
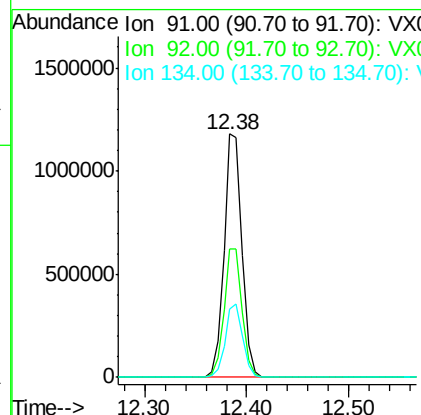
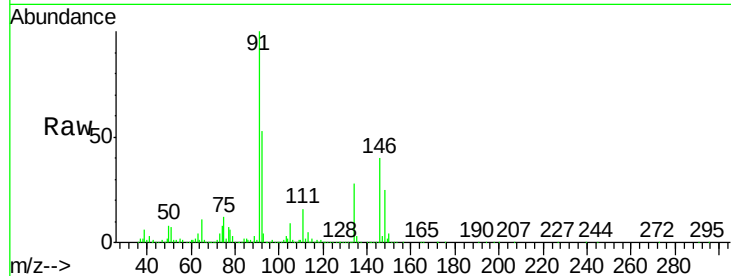
#89
n-Butylbenzene
Concen: 54.398 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1441943
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 29.3 14.8 44.3

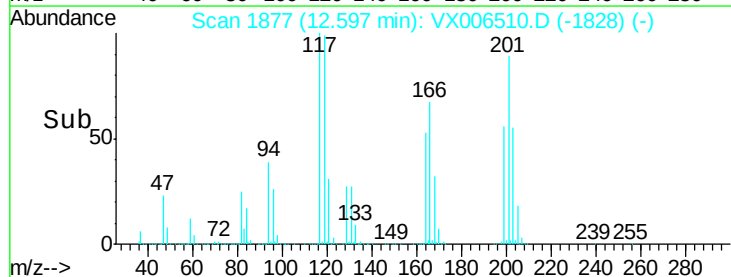
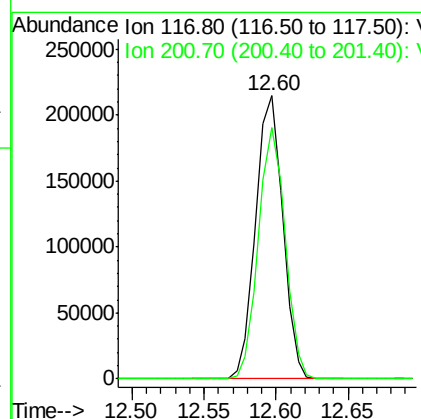
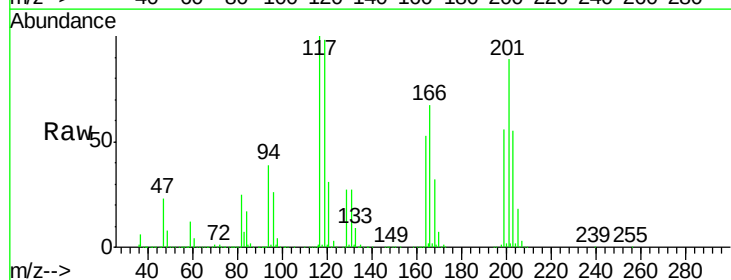
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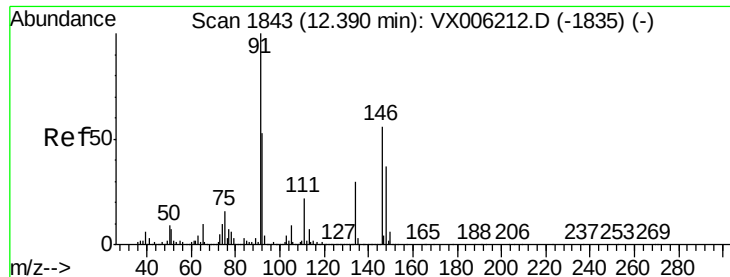
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#90
Hexachloroethane
Concen: 43.943 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion: 117 Resp: 278238
Ion Ratio Lower Upper
117 100
201 87.2 44.7 134.1





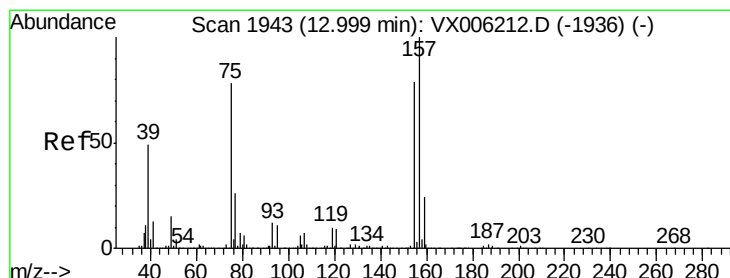
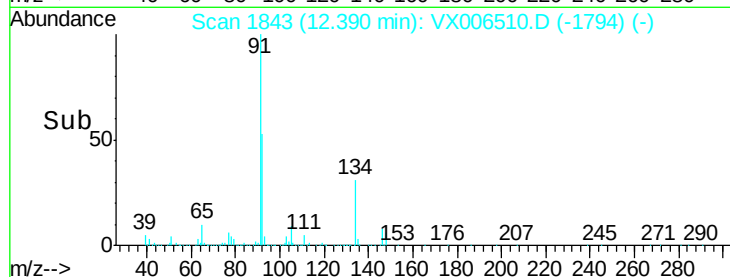
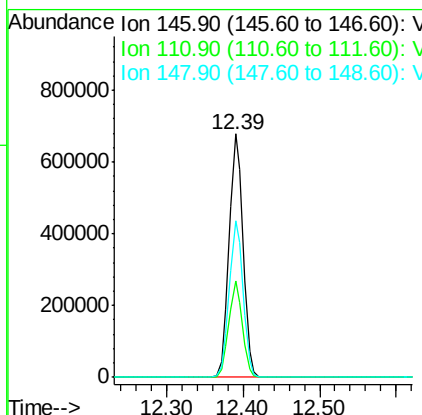
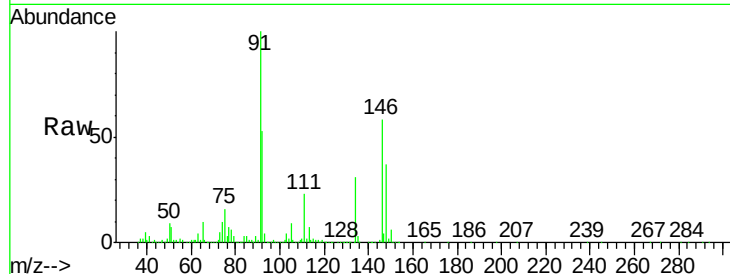
#91
 1,2-Dichlorobenzene
 Concen: 51.084 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.1	32.1	96.3

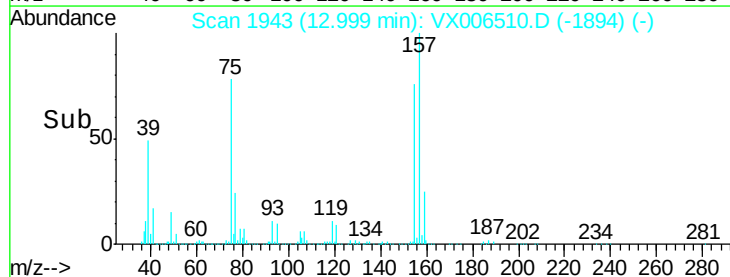
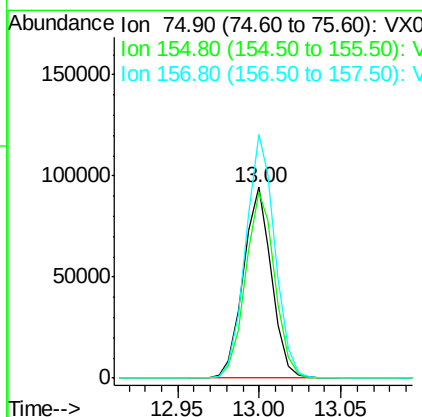
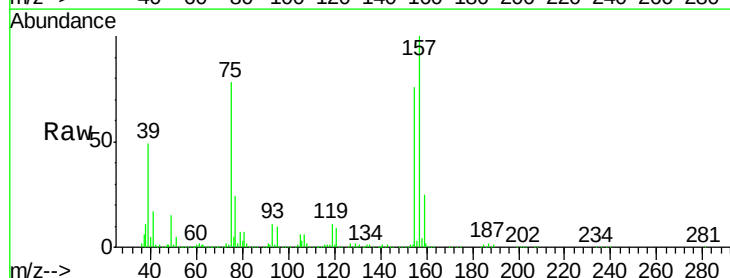
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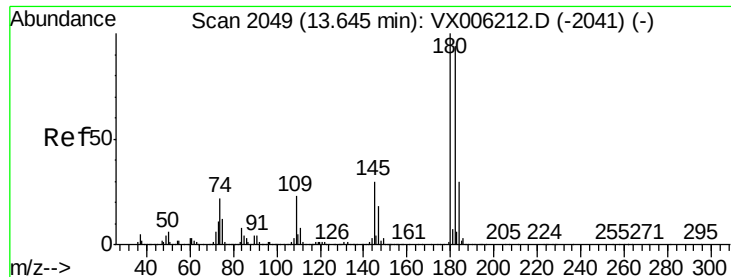
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 12/17/2018 12:12:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.474 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006510.D
 Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	53.4	160.3
157	132.2	68.0	203.8





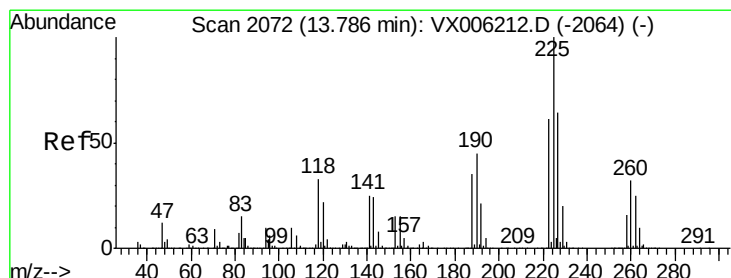
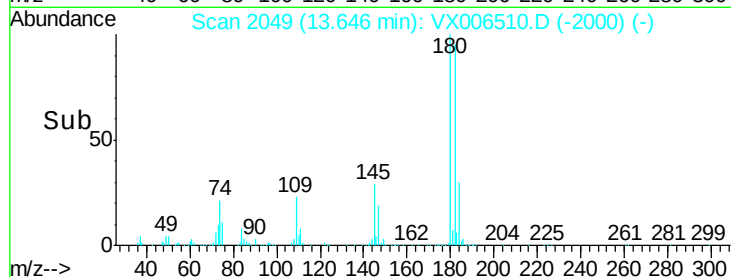
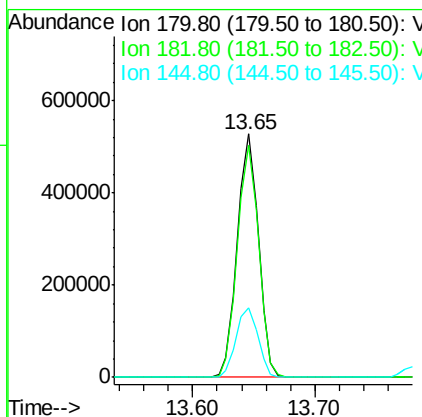
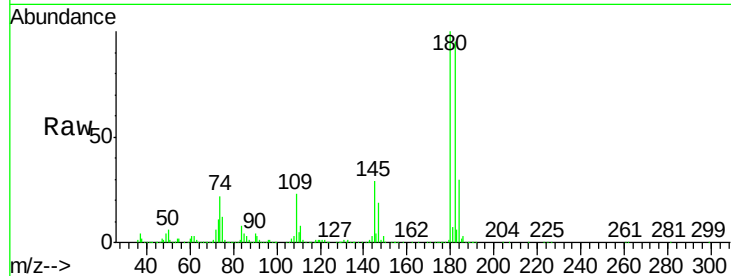
#93
1,2,4-Trichlorobenzene
Concen: 51.444 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	628351		
182	96.1	47.3	141.9	
145	29.9	14.6	43.8	

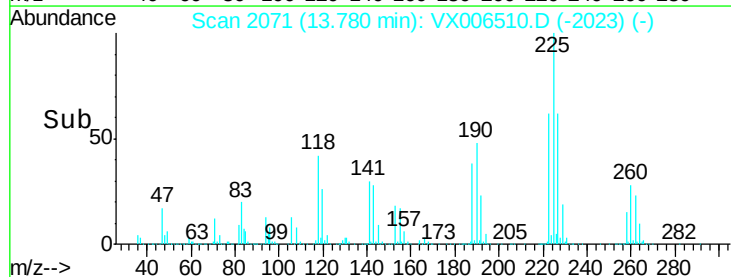
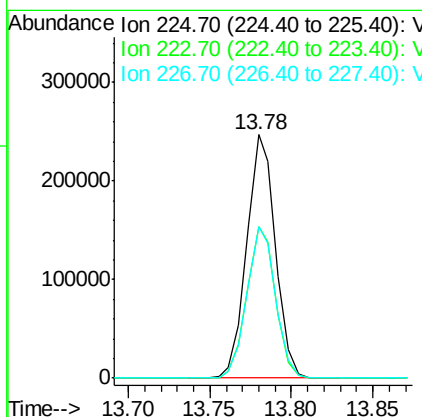
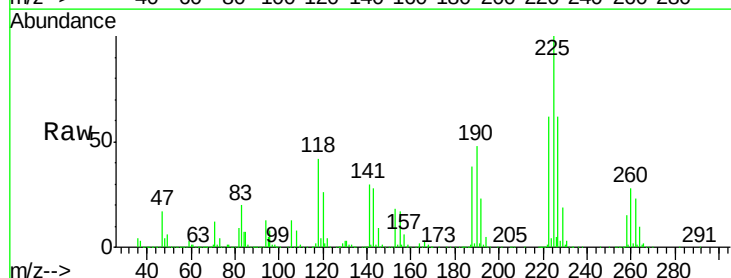
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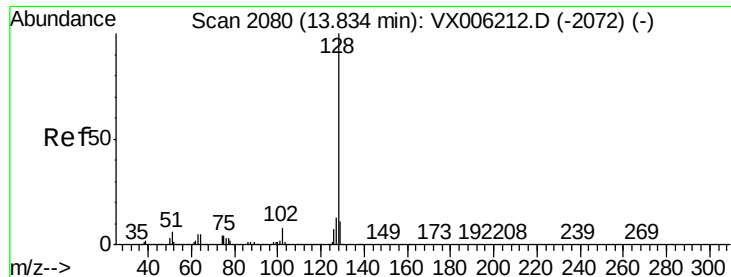
MMDadoda
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#94
Hexachlorobutadiene
Concen: 55.942 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	302177		
223	62.4	31.2	93.6	
227	62.2	31.9	95.5	





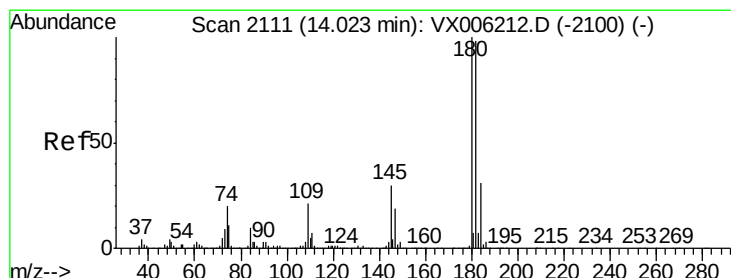
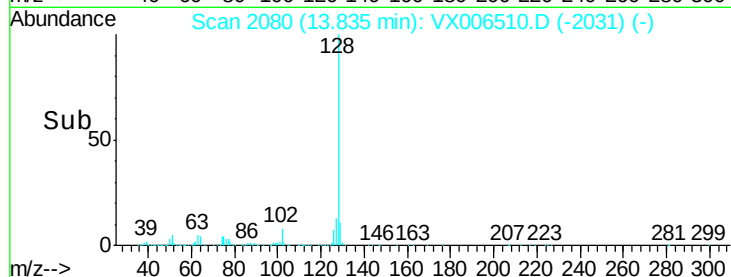
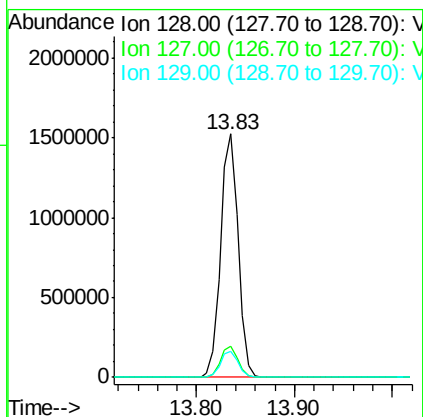
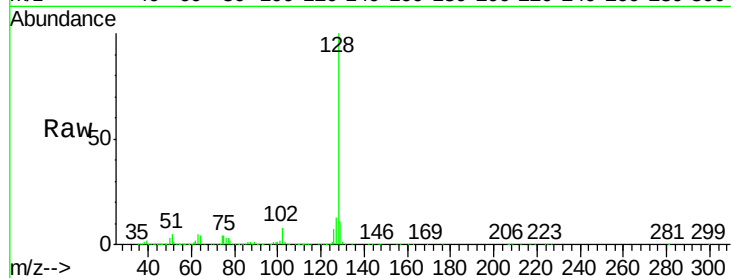
#95
Naphthalene
Concen: 49.654 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/17/2018 12:12:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.457 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006510.D
Acq: 14 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.2
145	31.0	15.6	46.8

