

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002514.D
 Acq On : 13 Jun 2018 17:48
 Operator : JC/MD
 Sample : VX0613WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:26 AM

Quant Time: Jun 14 02:31:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	283737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127412	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
35) Dibromofluoromethane	5.51	113	97195	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	
50) Toluene-d8	8.72	98	366194	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
62) 4-Bromofluorobenzene	11.14	95	135967	41.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37346	17.758	ug/l	99
3) Chloromethane	1.32	50	42548	15.686	ug/l	98
4) Vinyl Chloride	1.40	62	47599	17.959	ug/l	100
5) Bromomethane	1.64	94	27493	16.064	ug/l	99
6) Chloroethane	1.73	64	31193	18.194	ug/l	100
7) Trichlorofluoromethane	1.93	101	82531	20.437	ug/l	99
8) Diethyl Ether	2.19	74	31485	20.527	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49742	22.825	ug/l	98
10) Methyl Iodide	2.51	142	49098	16.018	ug/l	98
11) Tert butyl alcohol	3.07	59	65758	98.950	ug/l	99
12) 1,1-Dichloroethene	2.37	96	40903	18.992	ug/l	99
13) Acrolein	2.29	56	17929	54.799	ug/l	98
14) Allyl chloride	2.73	41	82413	17.633	ug/l	98
15) Acrylonitrile	3.15	53	139879	108.110	ug/l	100
16) Acetone	2.45	43	140349	101.408	ug/l	98
17) Carbon Disulfide	2.57	76	83728	14.750	ug/l	99
18) Methyl Acetate	2.78	43	67478	21.758	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	165847	20.713	ug/l	99
20) Methylene Chloride	2.86	84	48831	19.671	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	44002	18.527	ug/l	97
22) Diisopropyl ether	3.87	45	165254	20.280	ug/l	95
23) Vinyl Acetate	3.82	43	744293	98.233	ug/l	100
24) 1,1-Dichloroethane	3.70	63	89347	19.342	ug/l	99
25) 2-Butanone	4.71	43	174595	88.019	ug/l	100
26) 2,2-Dichloropropane	4.59	77	57862	16.024	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	44874	17.374	ug/l	97
28) Bromochloromethane	5.03	49	37922	16.949	ug/l	98
29) Tetrahydrofuran	5.17	42	109486	85.609	ug/l	98
30) Chloroform	5.21	83	80458	18.050	ug/l	97
31) Cyclohexane	5.58	56	64049	17.534	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	66070	17.477	ug/l	99
36) 1,1-Dichloropropene	5.81	75	54962	18.426	ug/l	98
37) Ethyl Acetate	4.86	43	68094	18.982	ug/l	99
38) Carbon Tetrachloride	5.78	117	56974	18.258	ug/l	98

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Quant Time: Jun 14 02:31:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67948	18.604	ug/l	97
40) Benzene	6.15	78	167547	18.319	ug/l	99
41) Methacrylonitrile	5.07	41	38520	18.758	ug/l	98
42) 1,2-Dichloroethane	6.20	62	70368	19.365	ug/l	100
43) Isopropyl Acetate	6.47	43	110703	18.169	ug/l	100
44) Trichloroethene	7.22	130	48679	19.177	ug/l	98
45) 1,2-Dichloropropane	7.52	63	47086	19.070	ug/l	96
46) Dibromomethane	7.67	93	31986	19.110	ug/l	97
47) Bromodichloromethane	7.90	83	54870	18.125	ug/l	99
48) Methyl methacrylate	7.78	41	56940	18.604	ug/l	97
49) 1,4-Dioxane	7.76	88	22493	393.060	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	365833	96.414	ug/l	100
52) Toluene	8.79	92	109960	18.903	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	64094	17.655	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	58826	17.175	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	47142	19.704	ug/l	97
56) Ethyl methacrylate	9.18	69	69787	18.270	ug/l	99
57) 1,3-Dichloropropane	9.38	76	79244	19.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	180893	102.321	ug/l	99
59) 2-Hexanone	9.50	43	280798	95.809	ug/l	100
60) Dibromochloromethane	9.59	129	42761	17.769	ug/l	98
61) 1,2-Dibromoethane	9.68	107	48239	19.337	ug/l	99
64) Tetrachloroethene	9.34	164	55609	19.569	ug/l	95
65) Chlorobenzene	10.14	112	128150	18.691	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	44883	18.079	ug/l	99
67) Ethyl Benzene	10.26	91	217478	18.954	ug/l	100
68) m/p-Xylenes	10.37	106	165923	37.200	ug/l	99
69) o-Xylene	10.70	106	80481	18.132	ug/l	97
70) Styrene	10.71	104	137112	18.896	ug/l	100
71) Bromoform	10.86	173	30660	16.294	ug/l #	98
73) Isopropylbenzene	11.02	105	227228	18.778	ug/l	100
74) N-amyl acetate	6.47	43	110703	16.978	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	69640	18.298	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	69517m	18.213	ug/l	
77) Bromobenzene	11.26	156	61079	17.980	ug/l	100
78) n-propylbenzene	11.37	91	259161	19.269	ug/l	100
79) 2-Chlorotoluene	11.43	91	152749	17.986	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	190969	18.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	15536	14.268	ug/l #	85
82) 4-Chlorotoluene	11.51	91	182454	18.613	ug/l	100
83) tert-Butylbenzene	11.77	119	184657	18.270	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	197547	18.490	ug/l	99
85) sec-Butylbenzene	11.95	105	236744	19.981	ug/l	100
86) p-Isopropyltoluene	12.07	119	213211	19.755	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	113275	18.649	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	117602	18.784	ug/l	99
89) n-Butylbenzene	12.39	91	188806	20.859	ug/l	99
90) Hexachloroethane	12.60	117	28196	16.366	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	114910	18.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13893	16.693	ug/l	99

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Instrument :
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ClientSampleId :
VX0613WBSD01

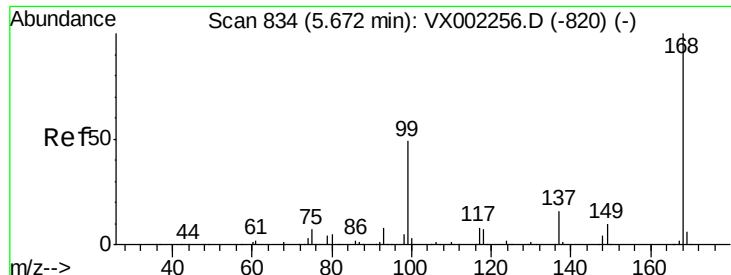
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85313	19.360	ug/l	99
94) Hexachlorobutadiene	13.79	225	47867	21.982	ug/l	98
95) Naphthalene	13.84	128	237042	18.722	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	86837	19.322	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion:168 Resp: 202306

Ion Ratio Lower Upper

168 100

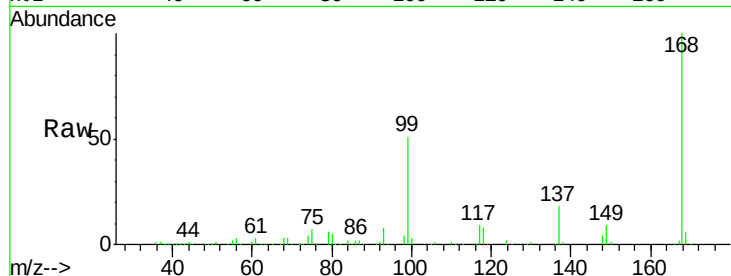
99 51.0 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

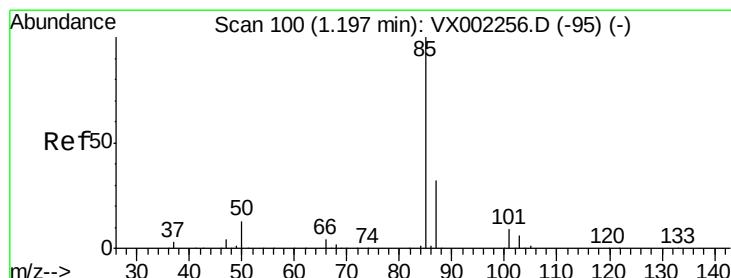
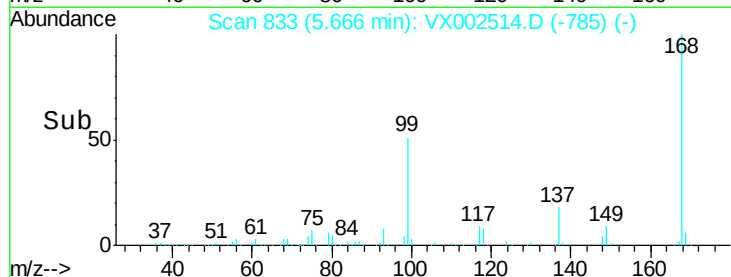
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.758 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002514.D

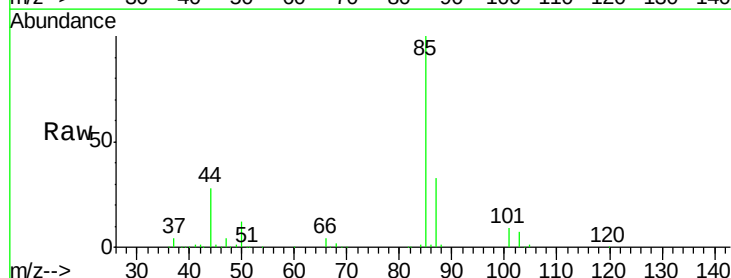
Acq: 13 Jun 2018 17:48

Tgt Ion: 85 Resp: 37346

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

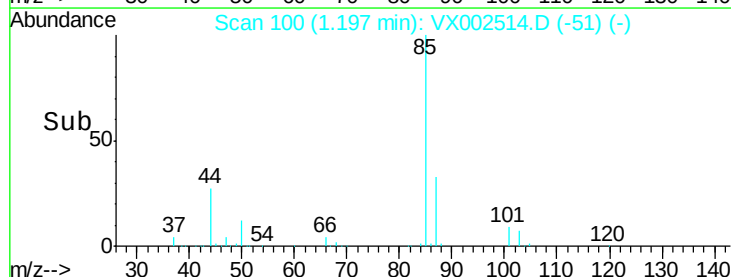
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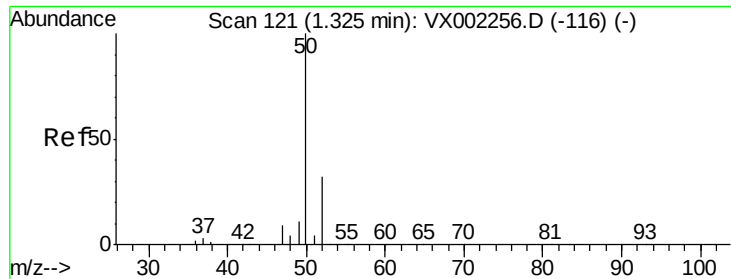
10000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 15.686 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 50 Resp: 42548

Ion Ratio Lower Upper

50 100

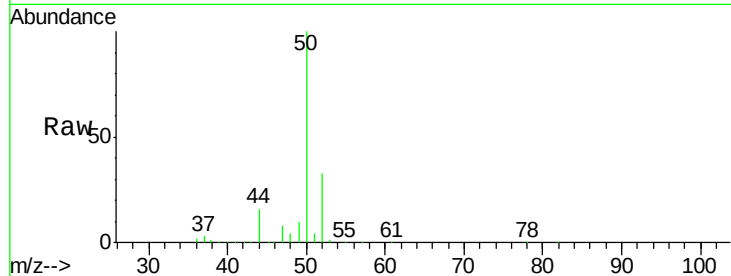
52 33.0 25.7 38.5

Manual Integrations

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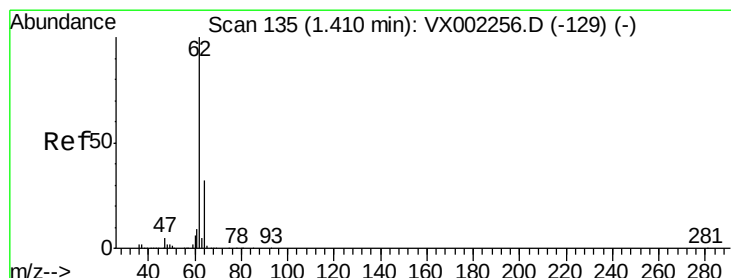
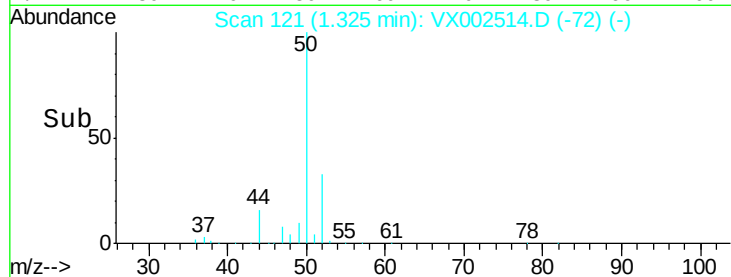
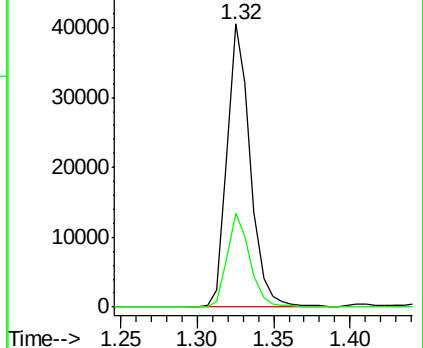
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.959 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002514.D

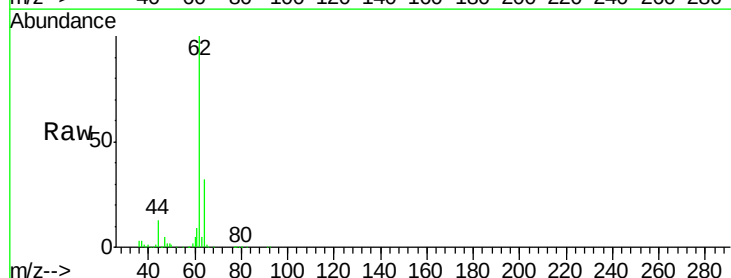
Acq: 13 Jun 2018 17:48

Tgt Ion: 62 Resp: 47599

Ion Ratio Lower Upper

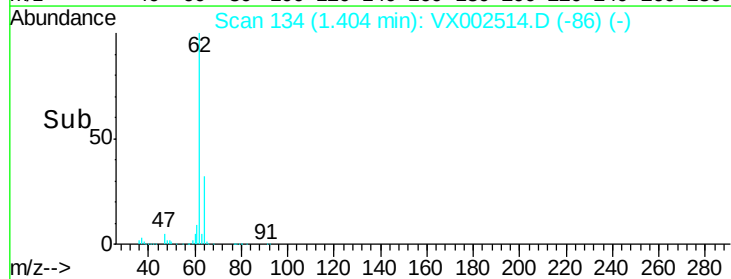
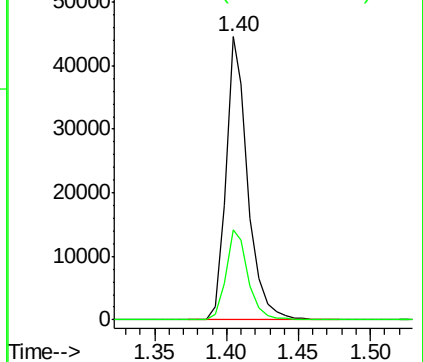
62 100

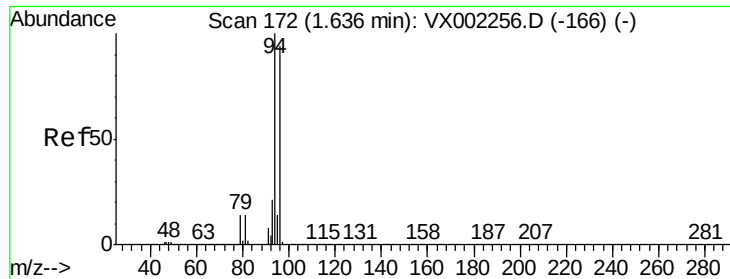
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.064 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 94 Resp: 27493

Ion Ratio Lower Upper

94 100

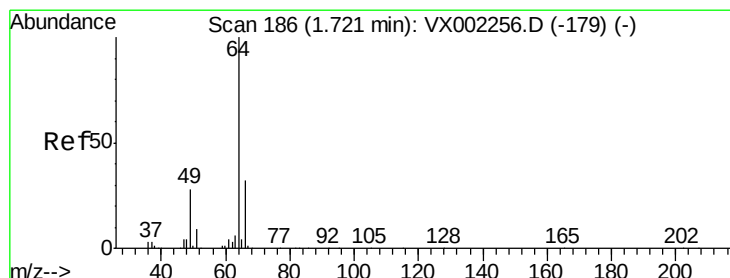
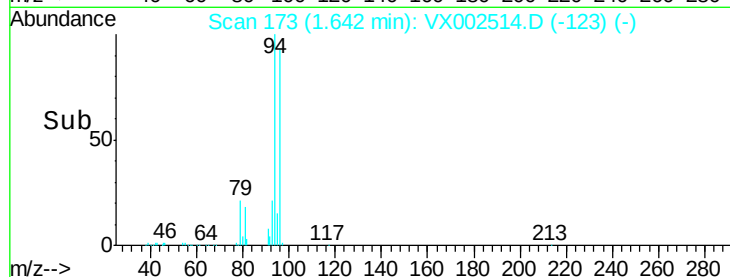
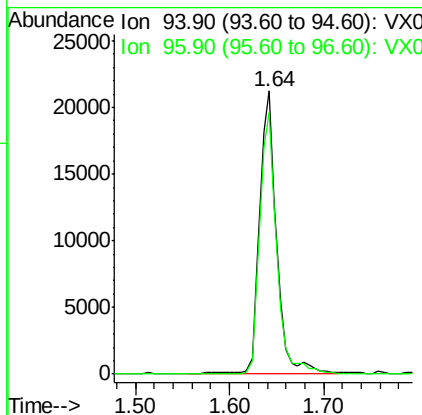
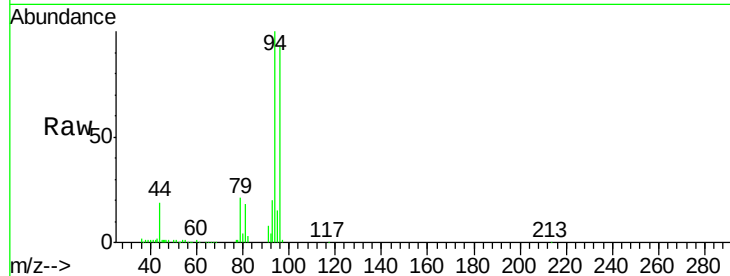
96 92.6 74.9 112.3

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#6

Chloroethane

Concen: 18.194 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002514.D

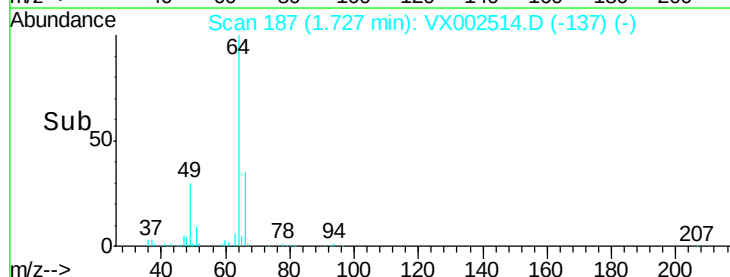
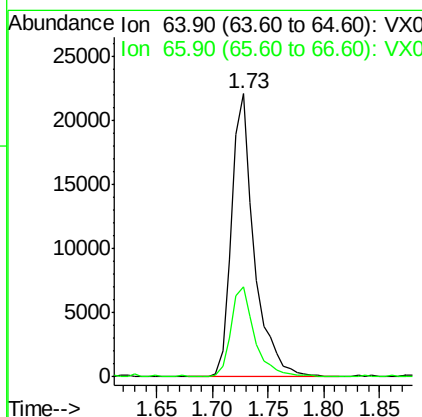
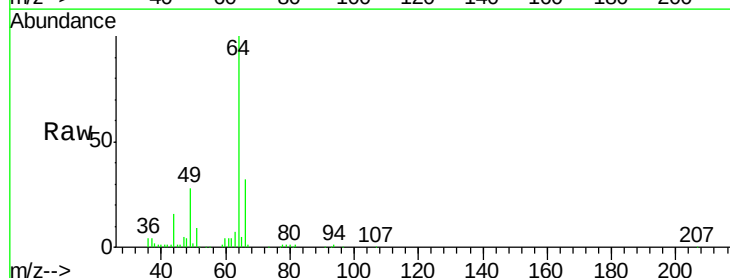
Acq: 13 Jun 2018 17:48

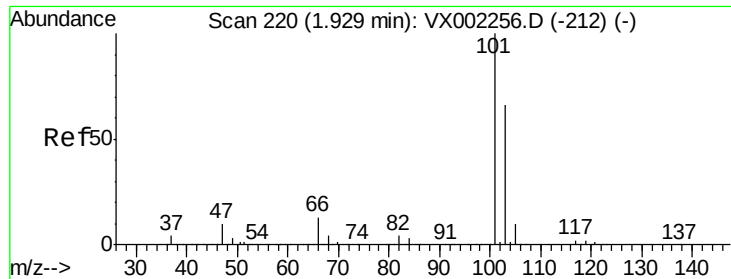
Tgt Ion: 64 Resp: 31193

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

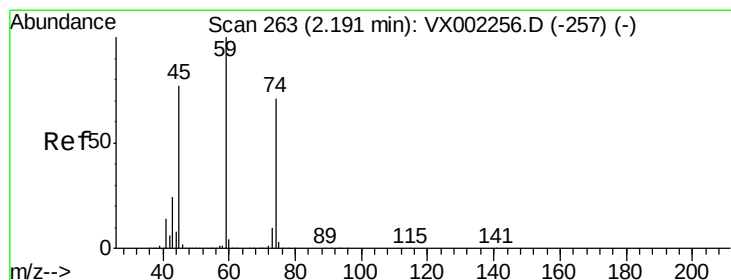
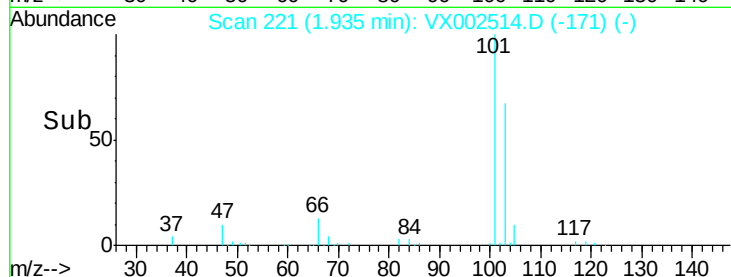
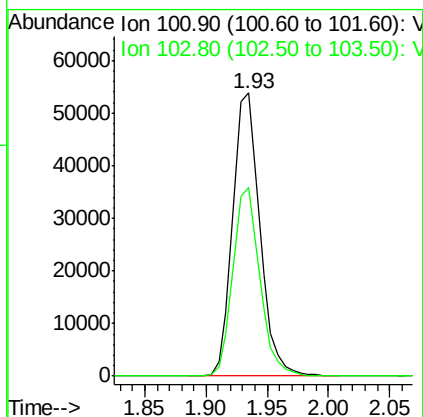
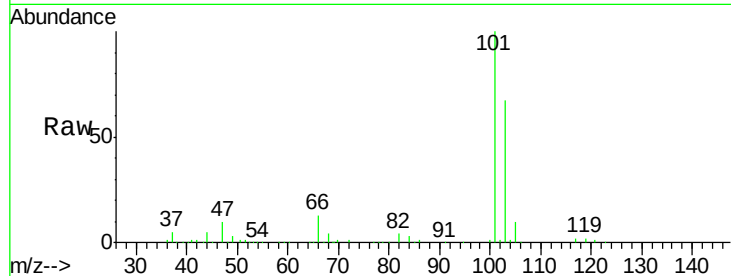
Trichlorofluoromethane
Concen: 20.437 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.8	79.2

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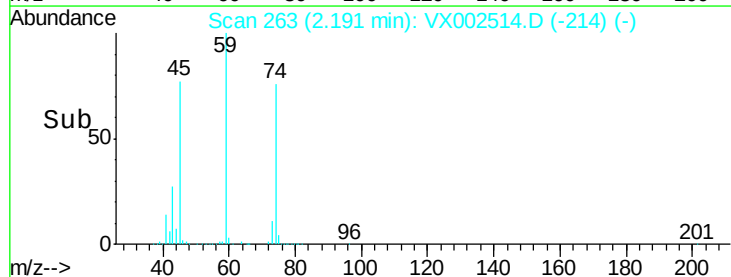
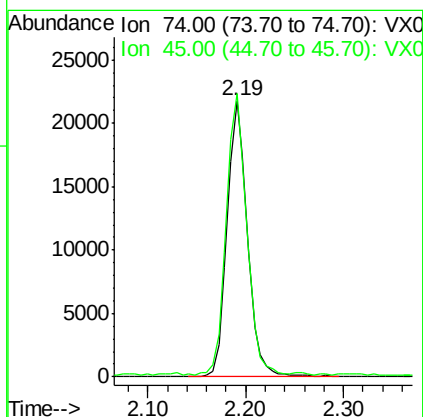
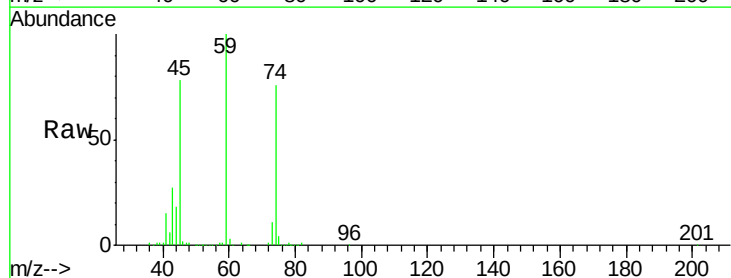
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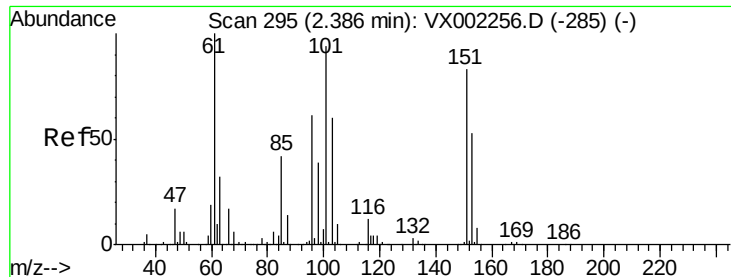


#8

Diethyl Ether
Concen: 20.527 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.825 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

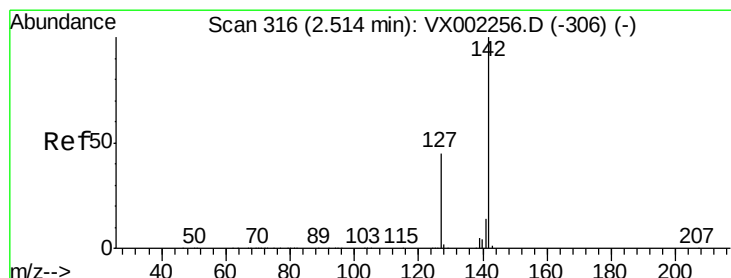
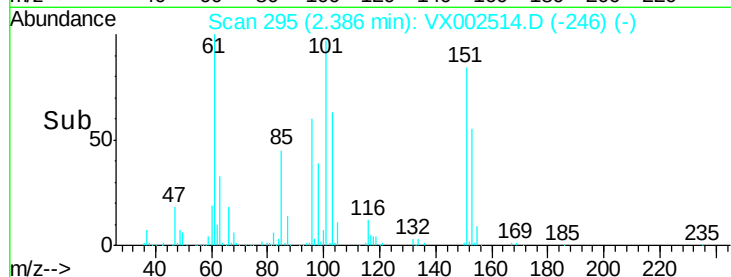
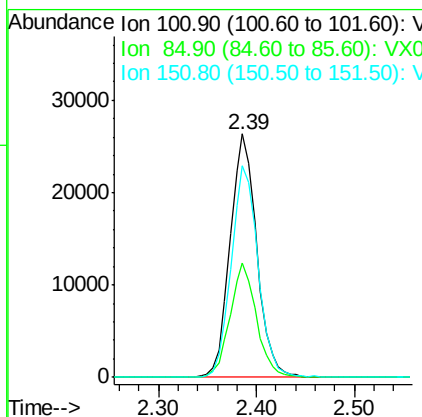
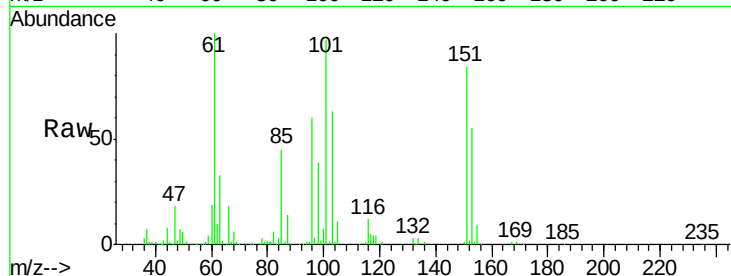
ClientSampleId :

VX0613WBSD01

Tot Ion:	101	Resp:	49742
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.0	54.0
151	87.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.018 ug/l

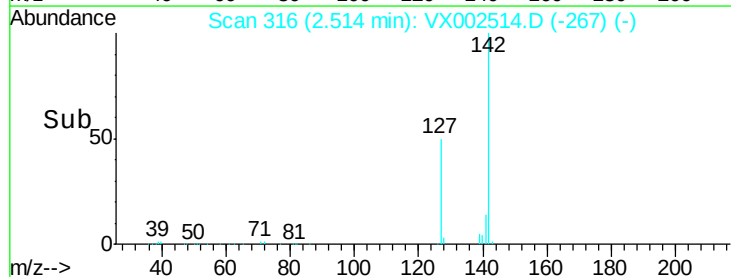
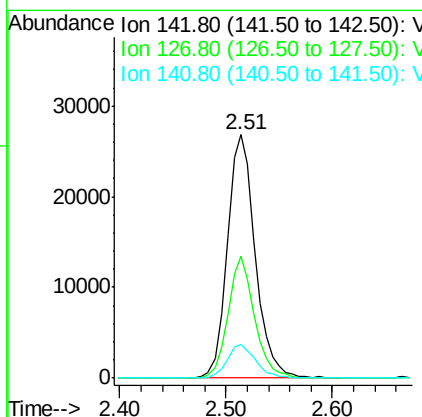
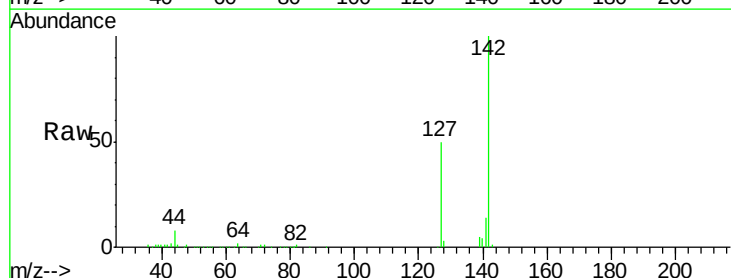
RT: 2.51 min Scan# 316

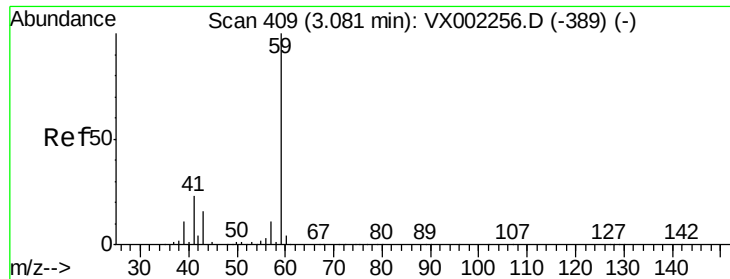
Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	142	Resp:	49098
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.6	55.0
141	14.2	11.3	16.9





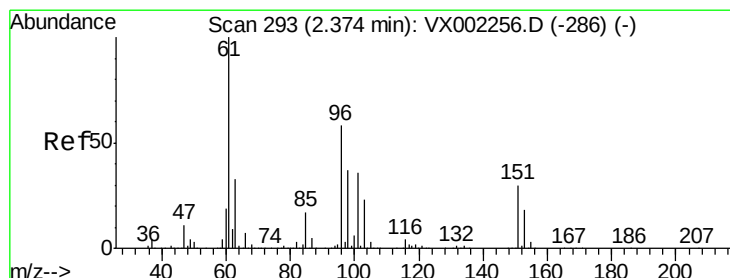
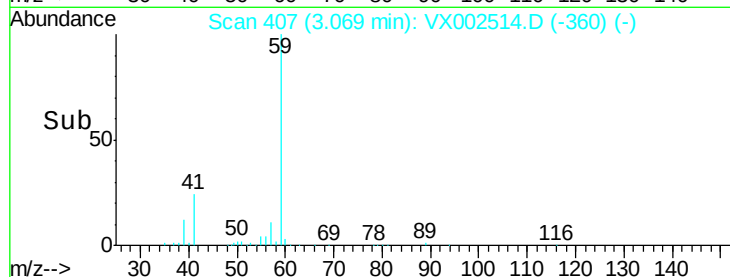
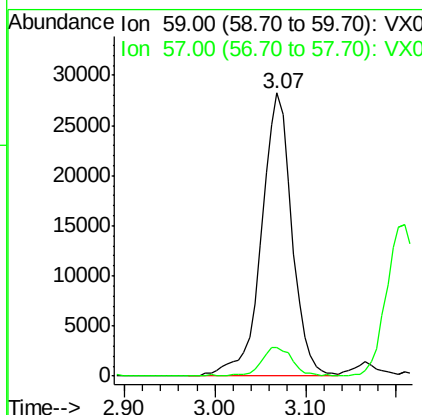
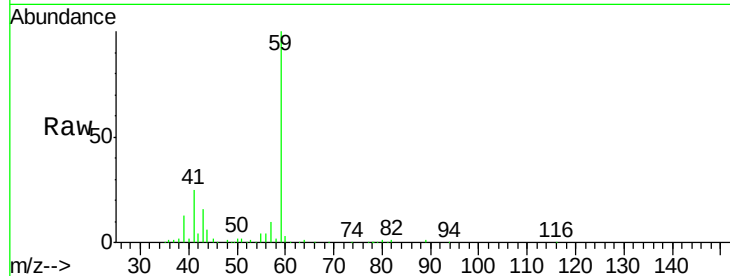
#11
Tert butyl alcohol
Concen: 98.950 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion: 59 Resp: 65758
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

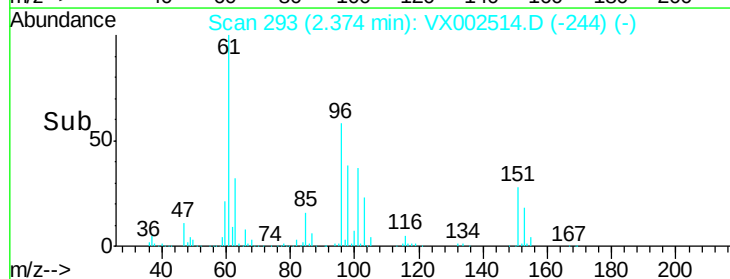
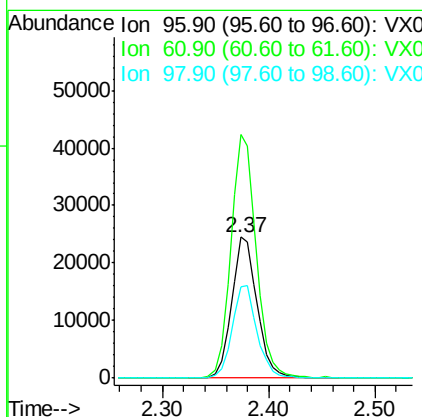
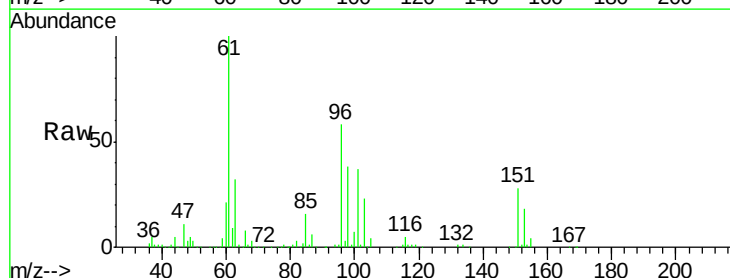
Manual Integrations
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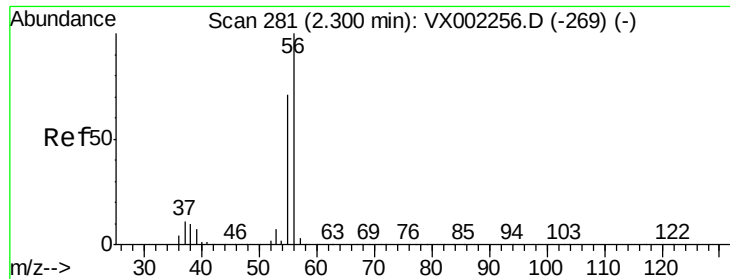
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#12
1,1-Dichloroethene
Concen: 18.992 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion: 96 Resp: 40903
Ion Ratio Lower Upper
96 100
61 173.0 137.9 206.9
98 65.2 51.6 77.4





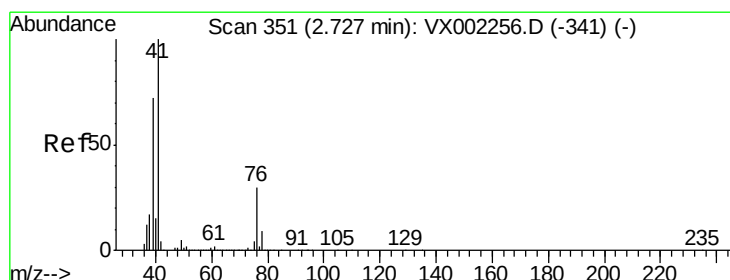
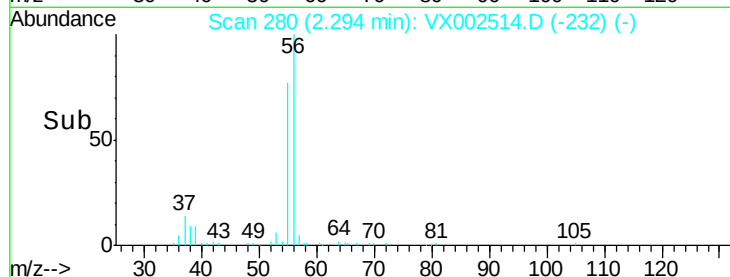
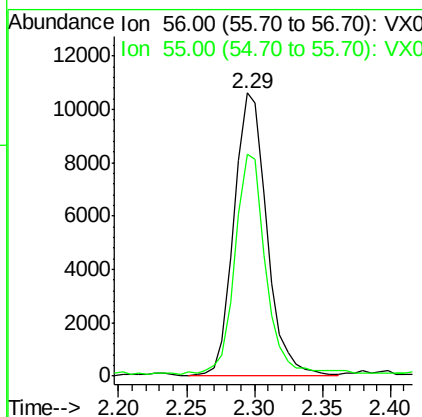
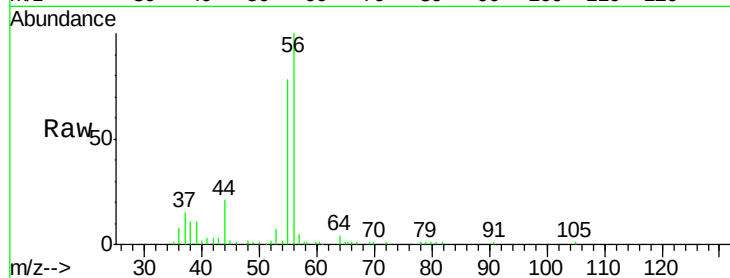
#13
Acrolein
Concen: 54.799 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion: 56 Resp: 17929
Ion Ratio Lower Upper
56 100
55 72.8 57.0 85.4

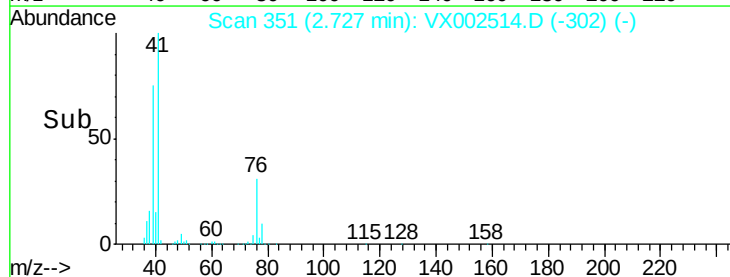
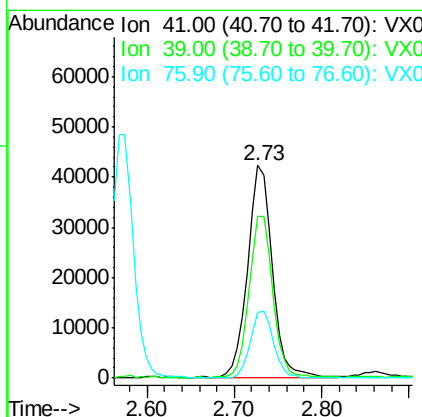
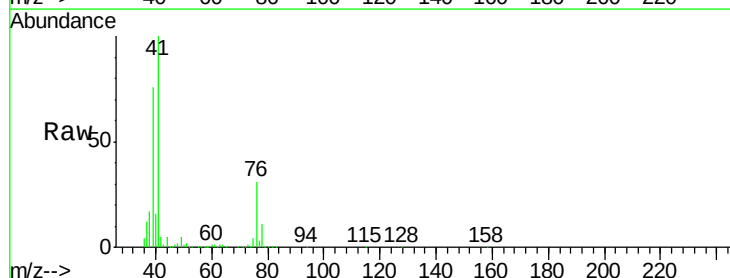
Manual Integrations
APPROVED

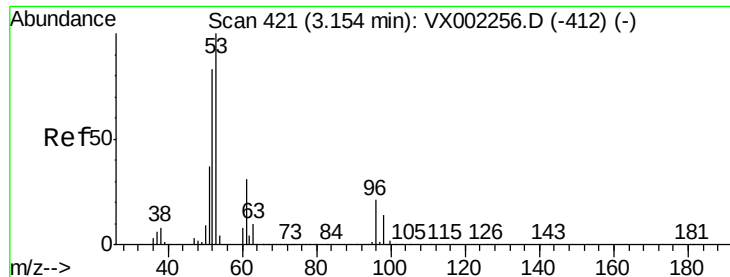
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#14
Allyl chloride
Concen: 17.633 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion: 41 Resp: 82413
Ion Ratio Lower Upper
41 100
39 72.8 56.8 85.2
76 29.9 23.8 35.8





#15

Acrylonitrile

Concen: 108.110 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

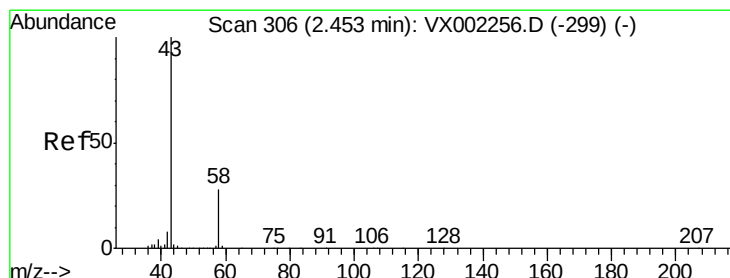
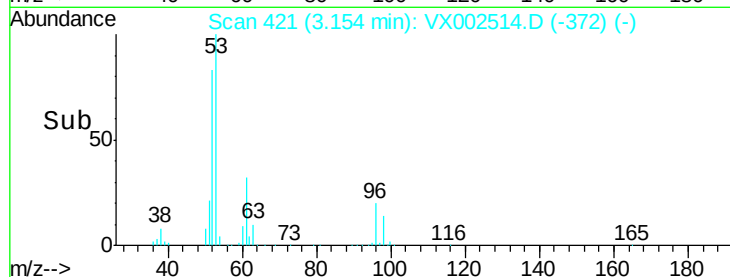
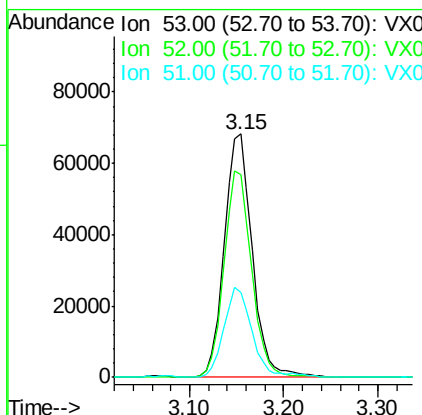
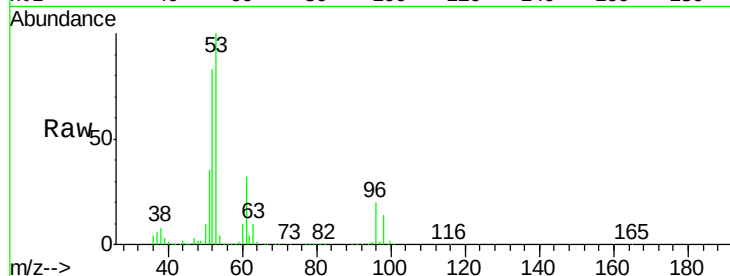
ClientSampleId :

VX0613WBSD01

Tot Ion:	53	Resp:	139879
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 101.408 ug/l

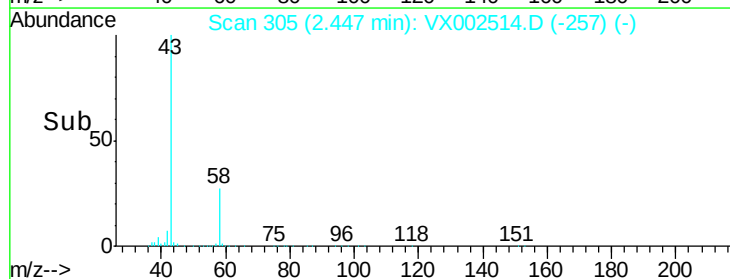
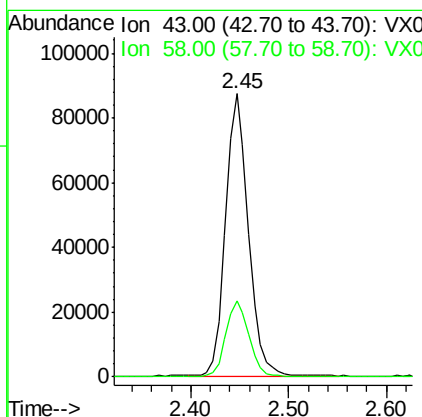
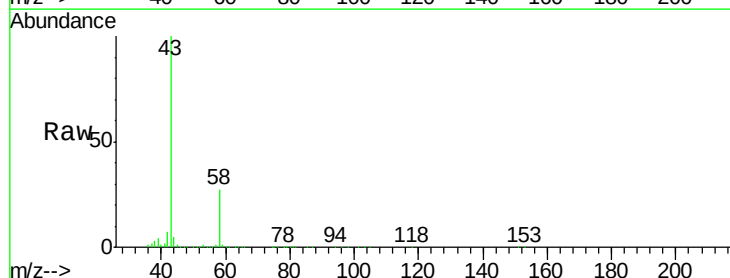
RT: 2.45 min Scan# 305

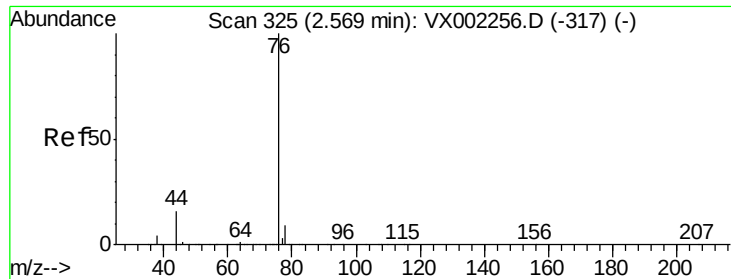
Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	43	Resp:	140349
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1





#17

Carbon Disulfide

Concen: 14.750 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 76 Resp: 83728

Ion Ratio Lower Upper

76 100

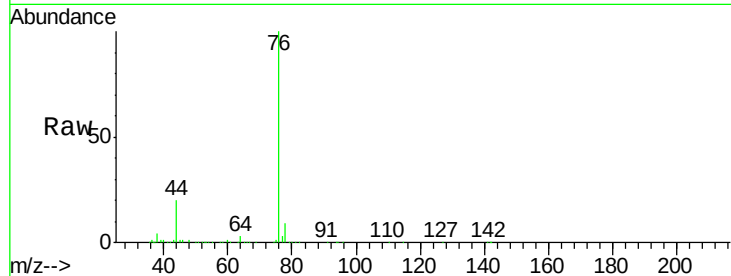
78 8.9 6.9 10.3

Manual Integrations

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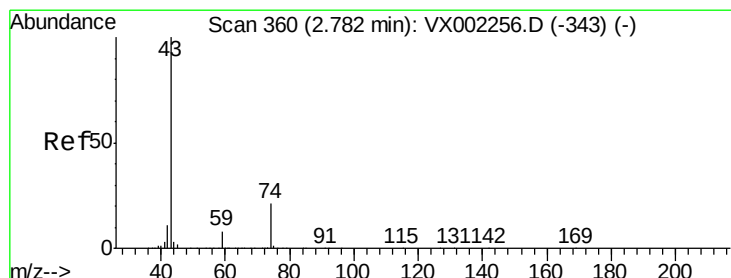
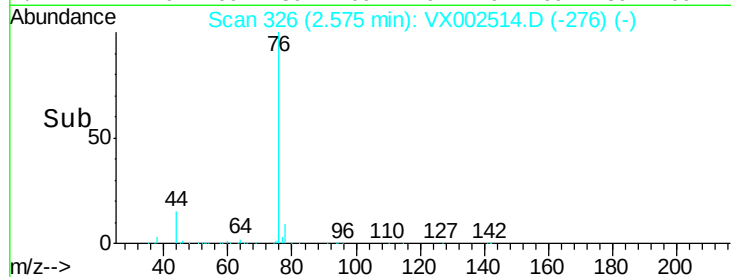
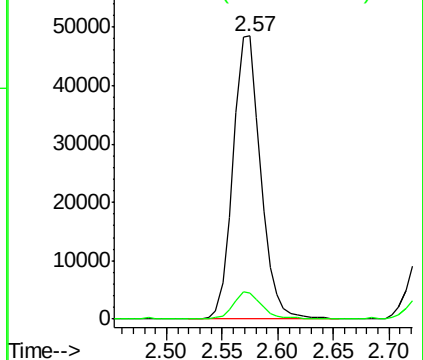
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.758 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002514.D

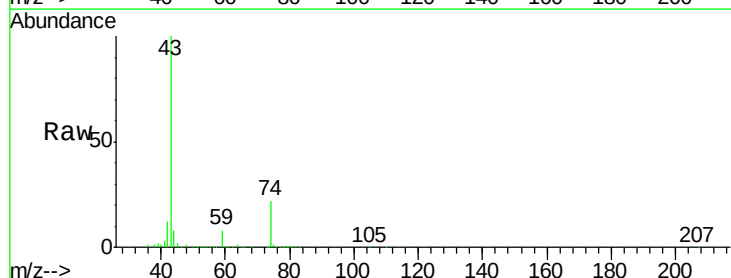
Acq: 13 Jun 2018 17:48

Tgt Ion: 43 Resp: 67478

Ion Ratio Lower Upper

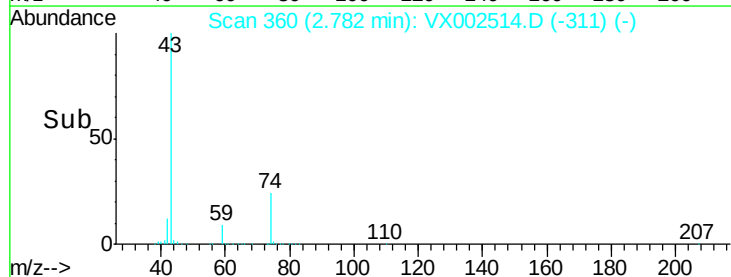
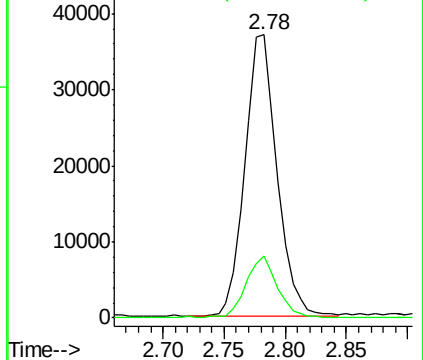
43 100

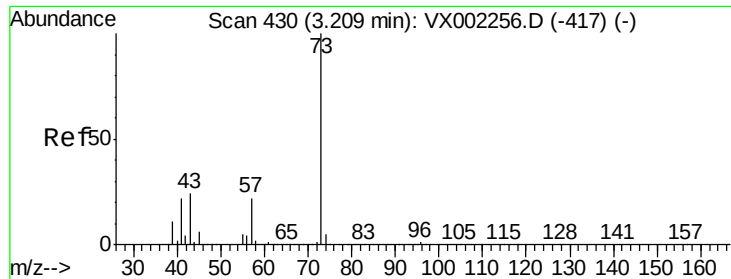
74 22.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





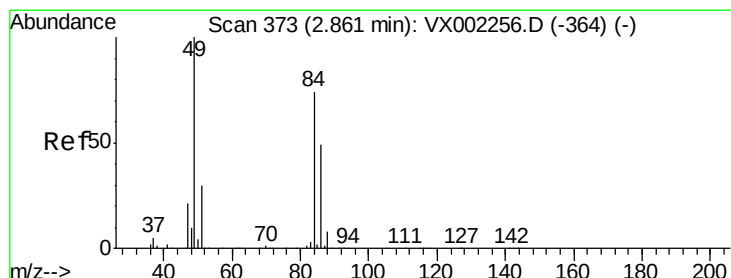
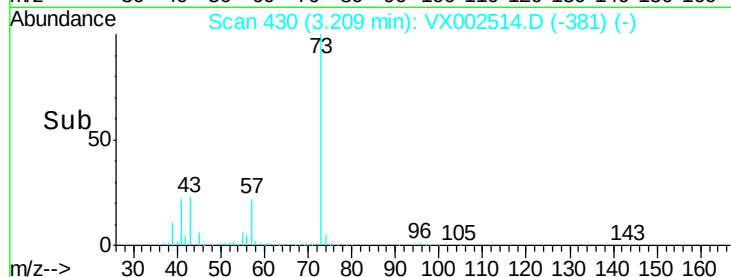
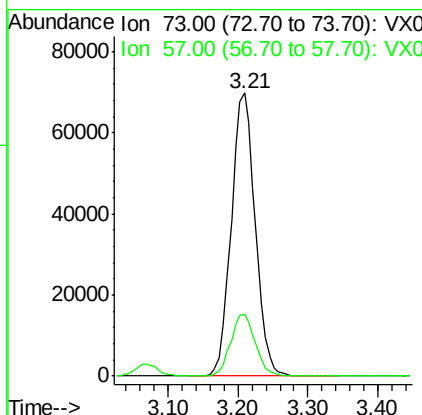
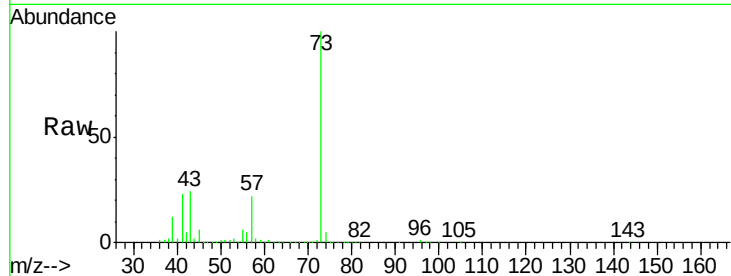
#19
Methyl tert-butyl Ether
Concen: 20.713 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	73	Resp	165847
Ion Ratio	Lower	Upper	
73	100		
57	21.6	17.7	26.5

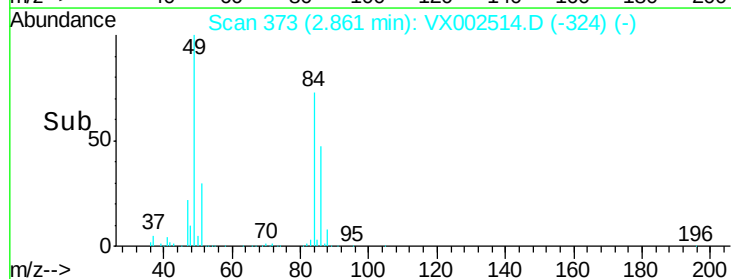
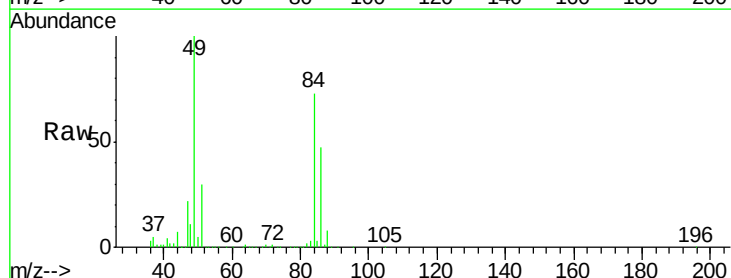
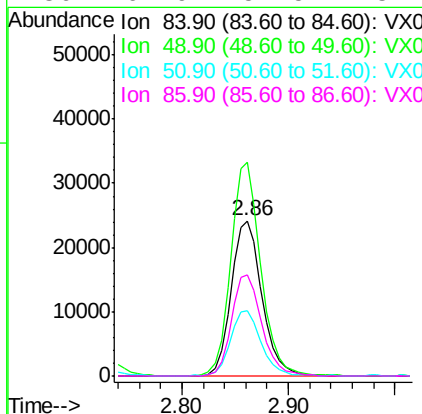
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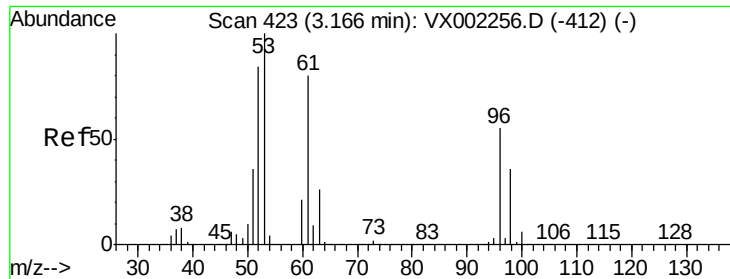
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#20
Methylene Chloride
Concen: 19.671 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	84	Resp	48831
Ion Ratio	Lower	Upper	
84	100		
49	137.5	107.8	161.6
51	41.6	32.8	49.2
86	64.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.527 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 96 Resp: 44002

Ion Ratio Lower Upper

96 100

61 142.7 117.0 175.4

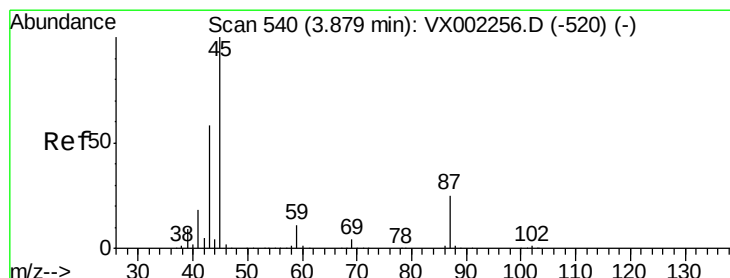
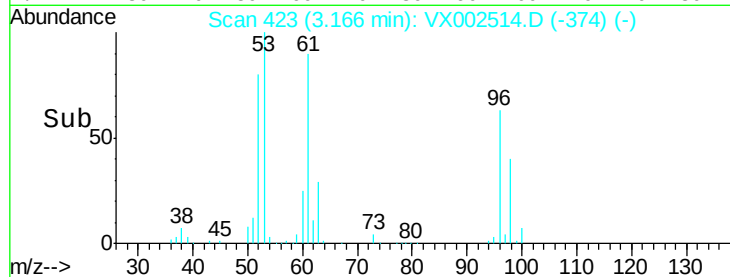
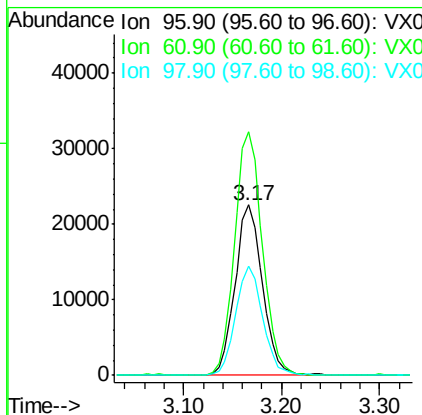
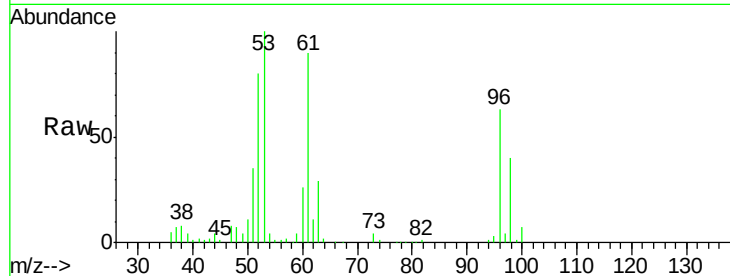
98 64.0 52.4 78.6

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6/14/2018 11:29:26 AM



#22

Diisopropyl ether

Concen: 20.280 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion: 45 Resp: 165254

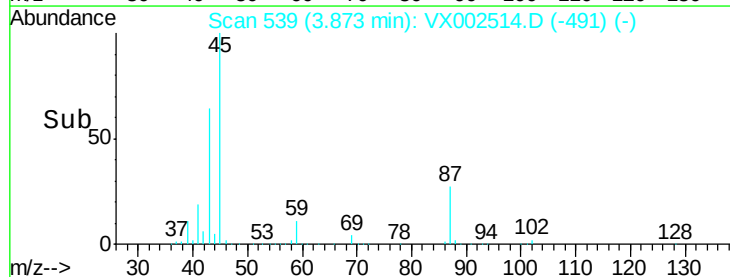
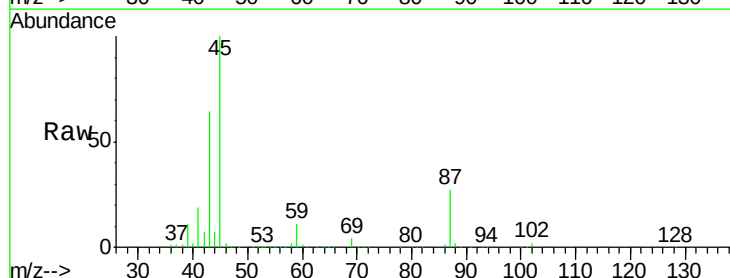
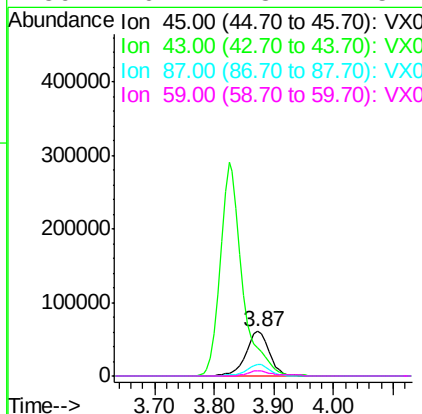
Ion Ratio Lower Upper

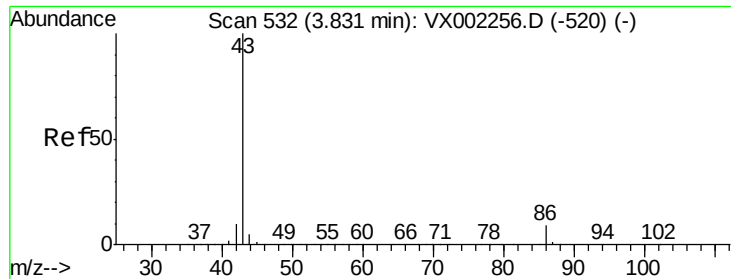
45 100

43 63.6 46.8 70.2

87 26.8 20.2 30.4

59 10.7 8.7 13.1





#23

Vinyl Acetate

Concen: 98.233 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 43 Resp: 744293

Ion Ratio Lower Upper

43 100

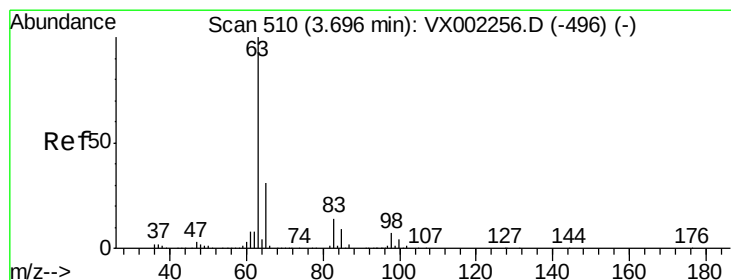
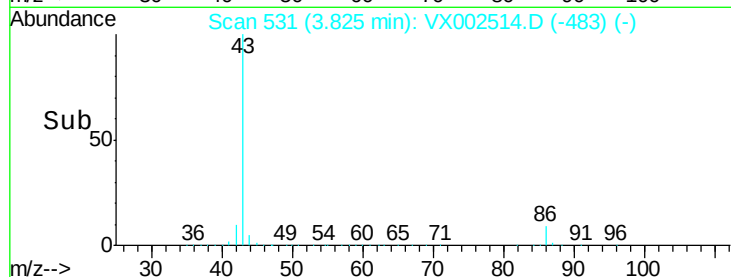
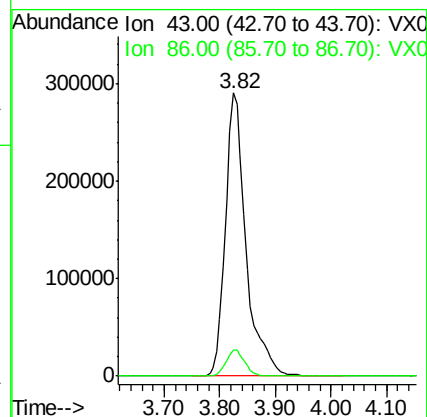
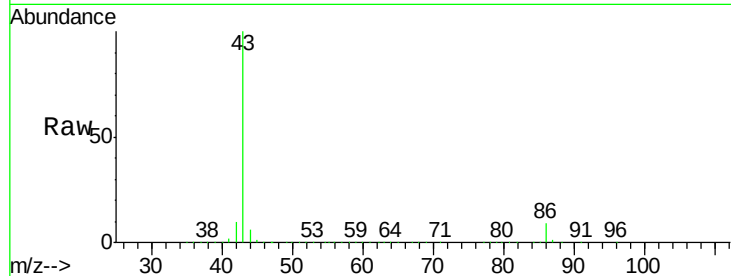
86 9.2 7.4 11.0

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6/14/2018 11:29:26 AM



#24

1,1-Dichloroethane

Concen: 19.342 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

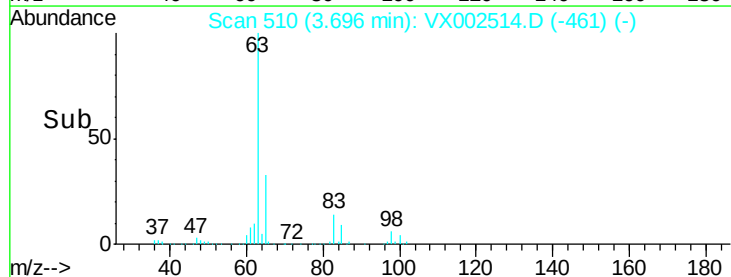
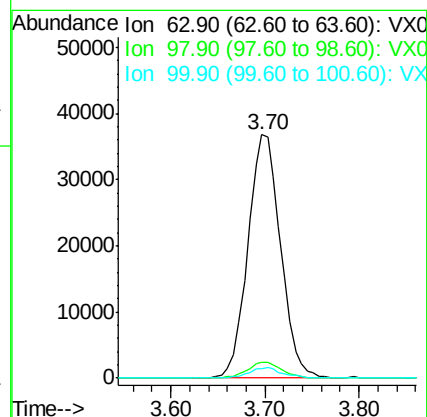
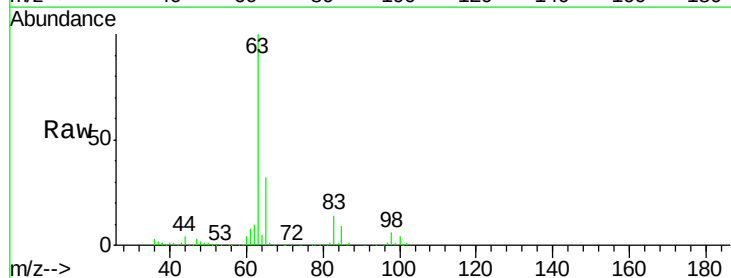
Tgt Ion: 63 Resp: 89347

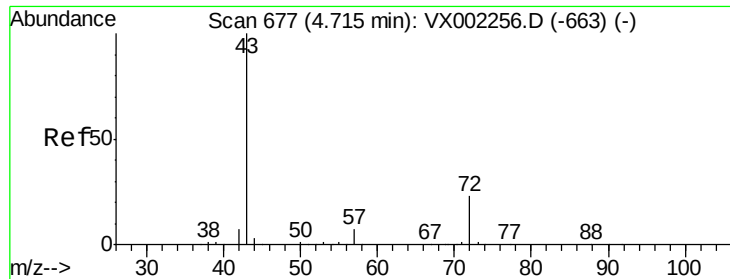
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 88.019 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 43 Resp: 174595

Ion Ratio Lower Upper

43 100

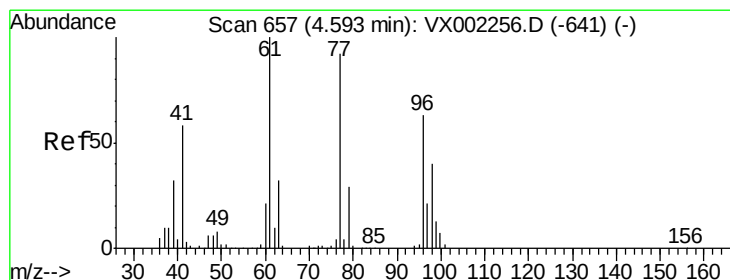
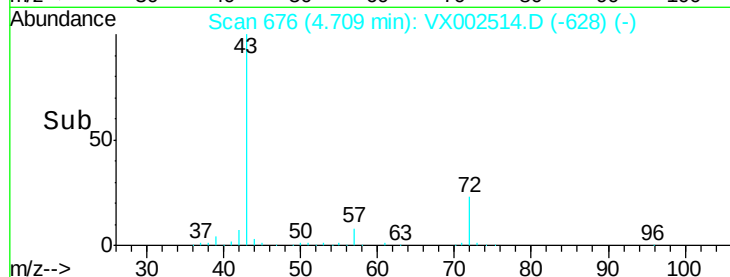
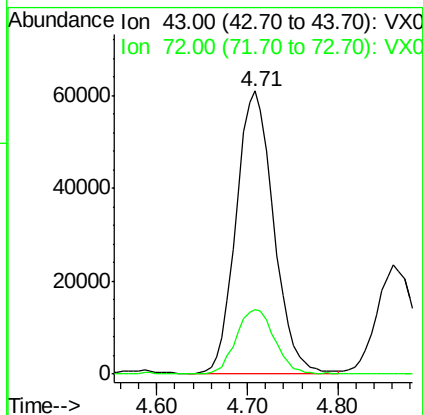
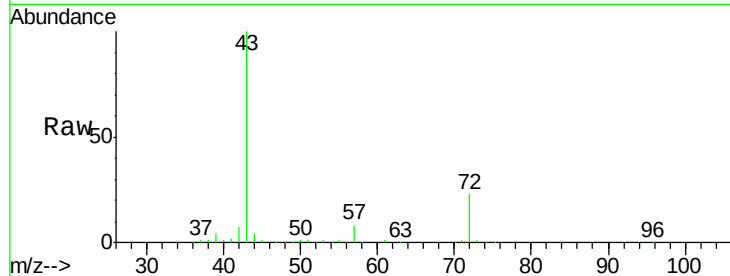
72 23.0 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.024 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002514.D

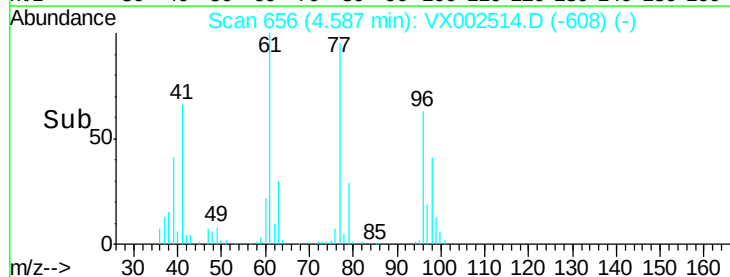
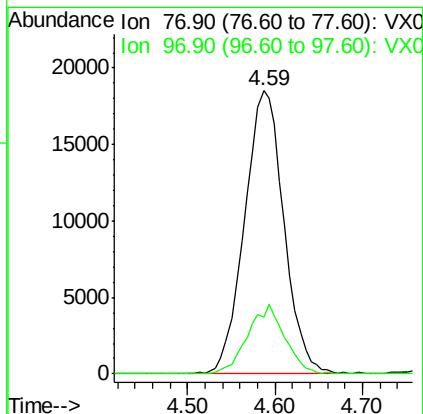
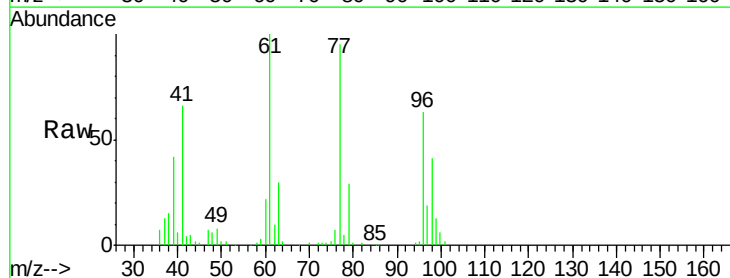
Acq: 13 Jun 2018 17:48

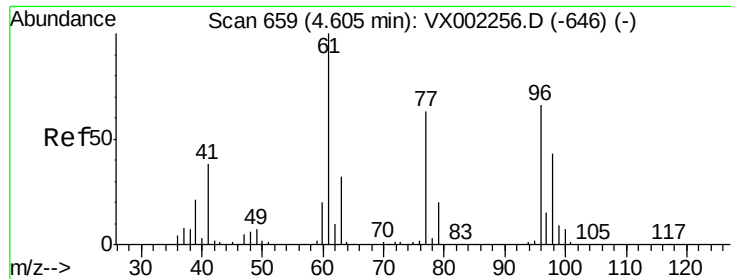
Tgt Ion: 77 Resp: 57862

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

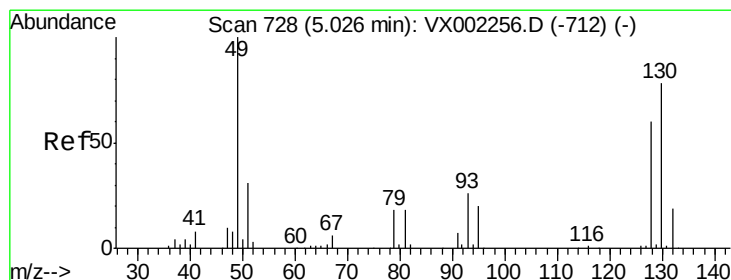
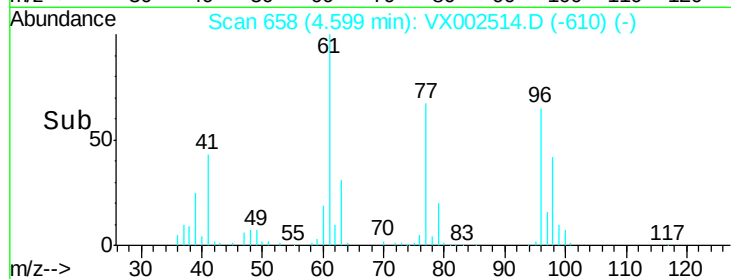
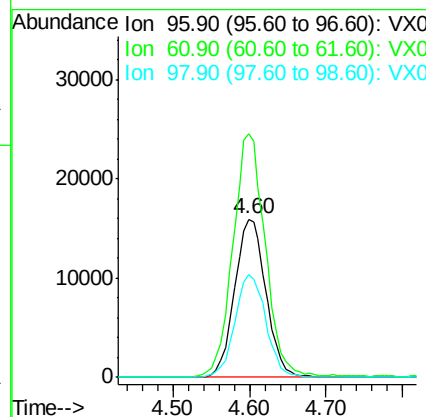
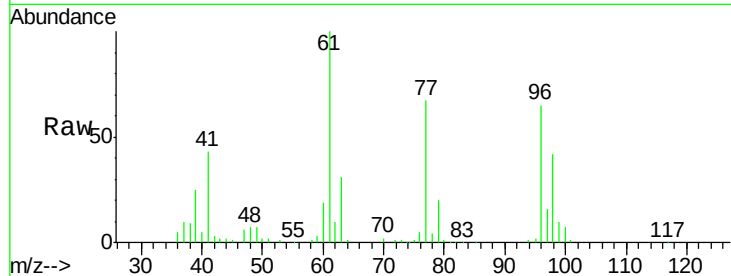
cis-1,2-Dichloroethene
Concen: 17.374 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	330.2
98	64.4	0.0	130.2

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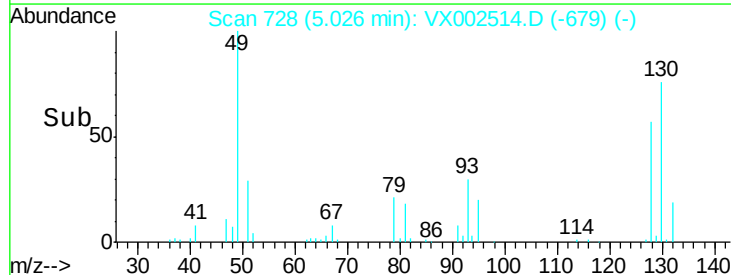
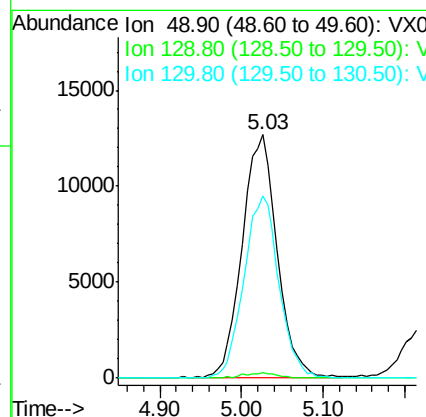
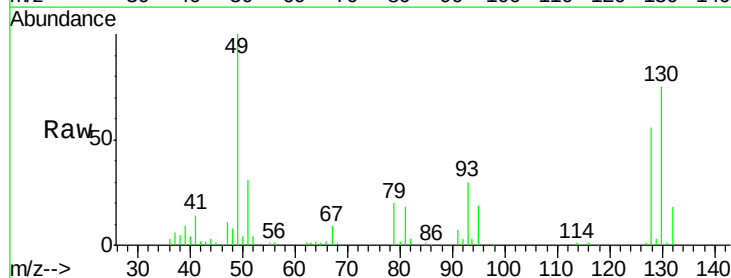
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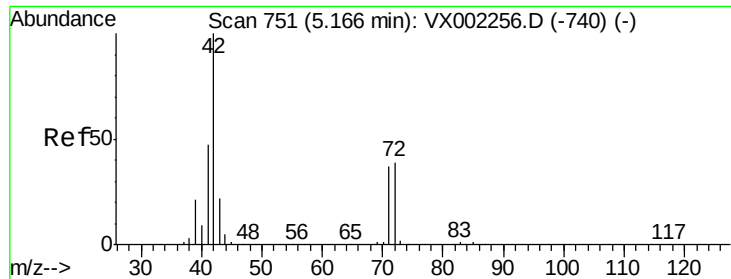


#28

Bromochloromethane
Concen: 16.949 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.5	61.2	91.8





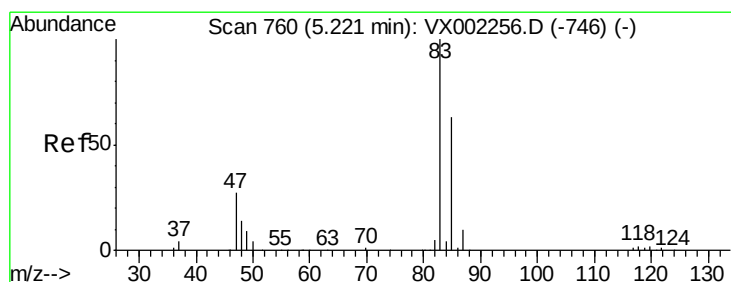
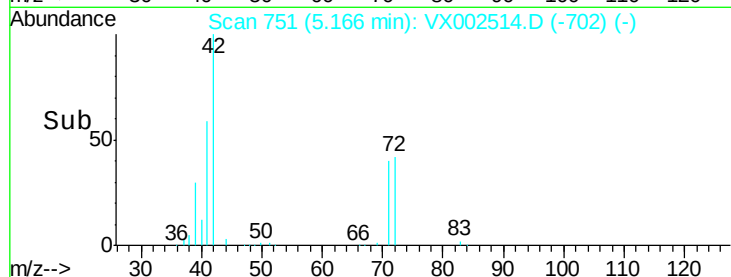
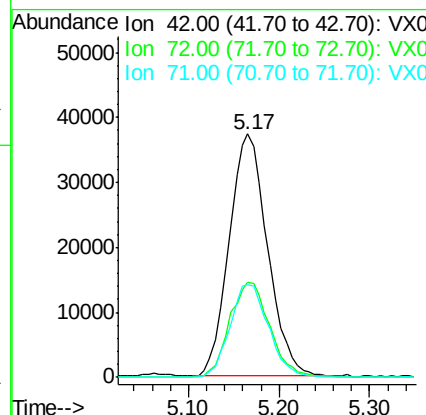
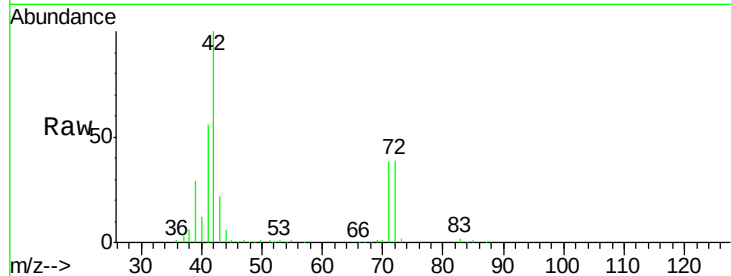
#29
Tetrahydrofuran
Concen: 85.609 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	41.4	32.0	48.0		
71	38.9	30.1	45.1		

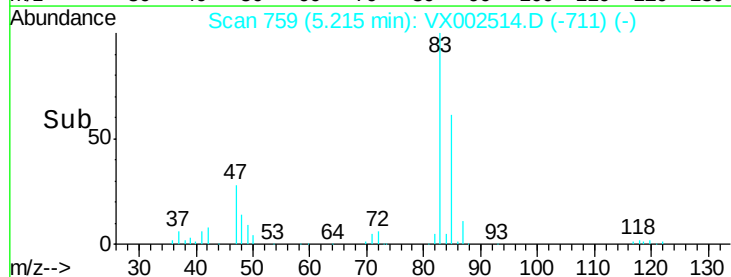
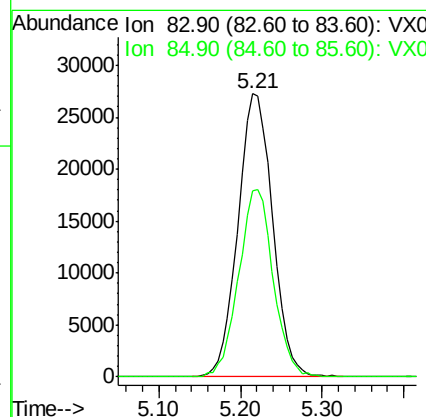
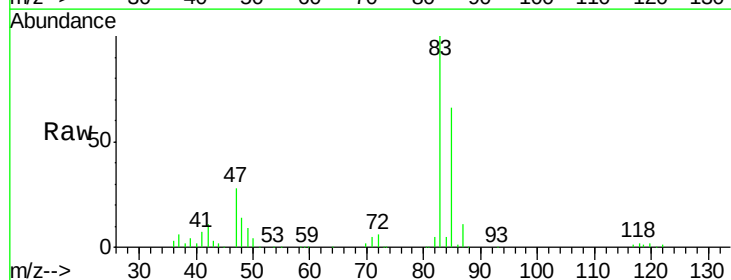
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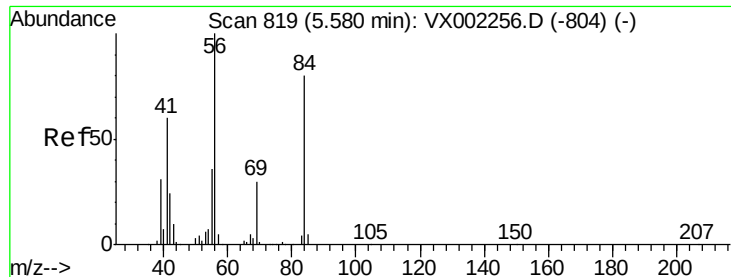
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6/14/2018 11:29:26 AM



#30
Chloroform
Concen: 18.050 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	65.6	50.4	75.6		





#31

Cyclohexane

Concen: 17.534 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

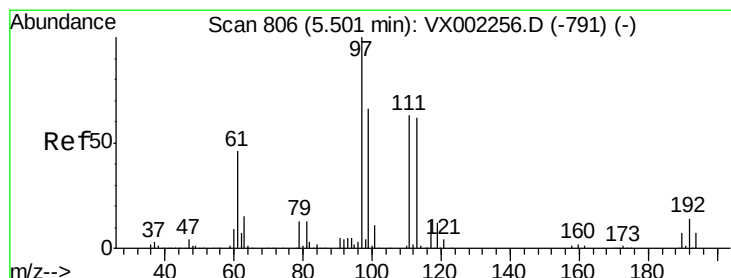
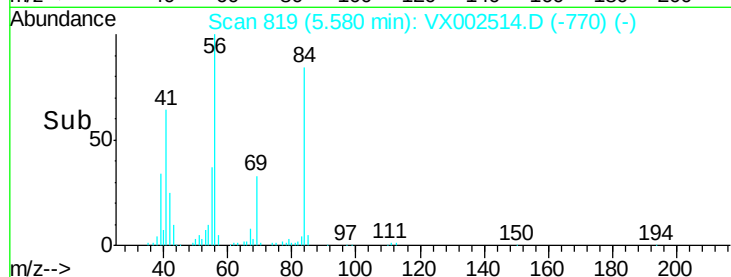
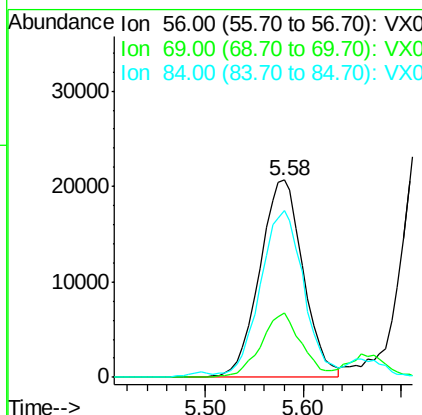
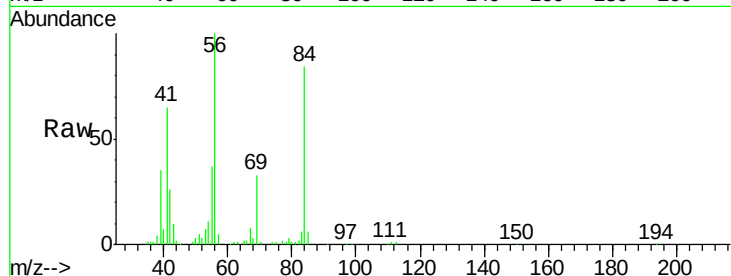
ClientSampleId :

VX0613WBSD01

Tot Ion:	56	Resp:	64049
Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.7	35.5
84	82.7	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.477 ug/l

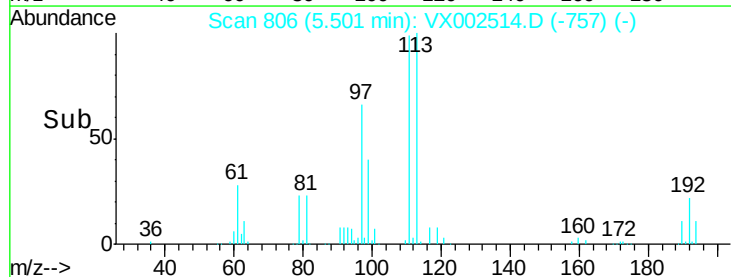
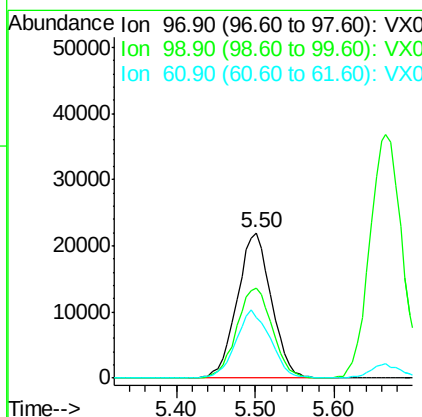
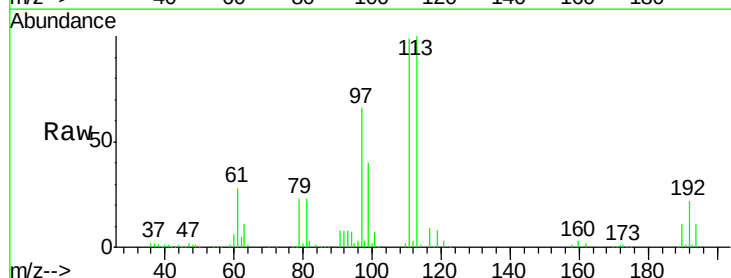
RT: 5.50 min Scan# 806

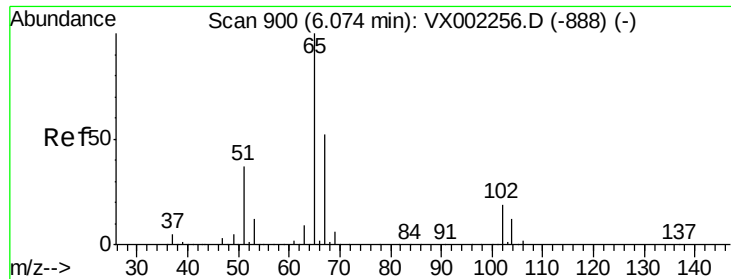
Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	97	Resp:	66070
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	47.4	36.4	54.6





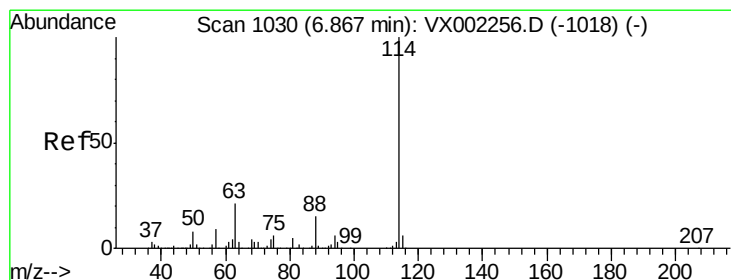
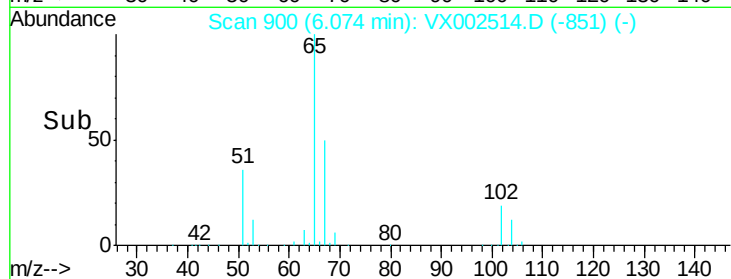
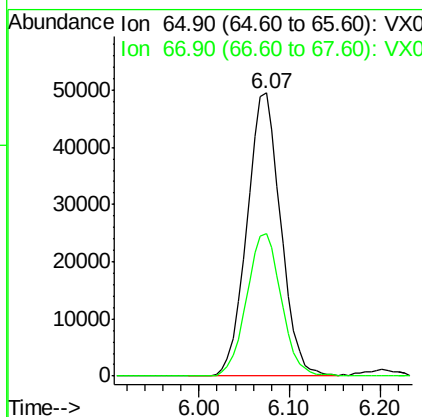
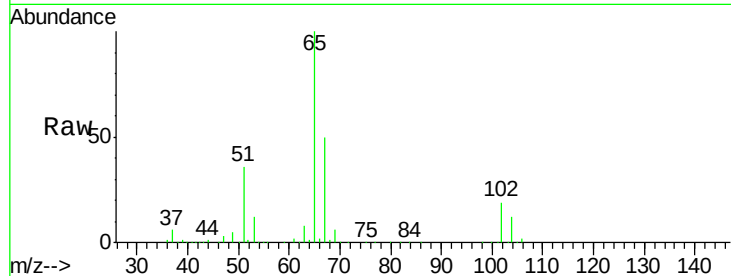
#33
 1,2-Dichloroethane-d4
 Concen: 43.599 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127412		
67	51.9	0.0	102.6	

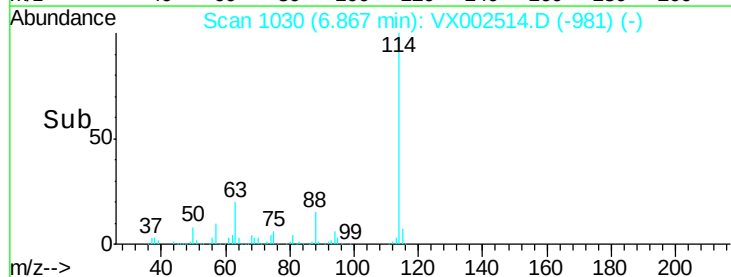
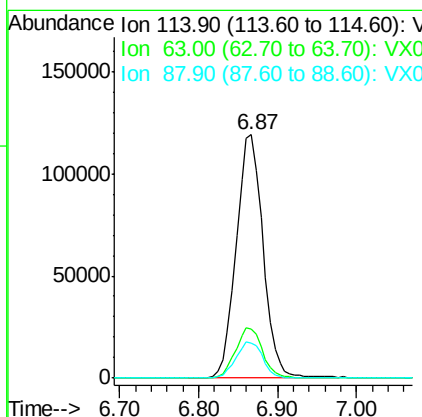
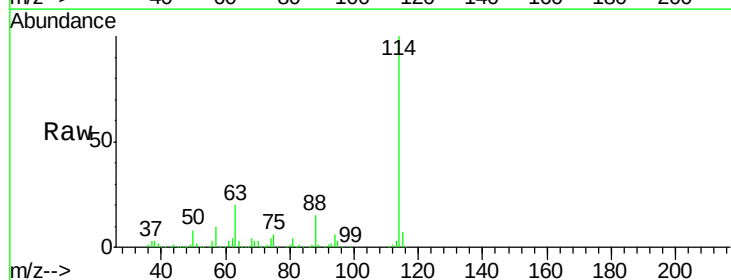
Manual Integrations
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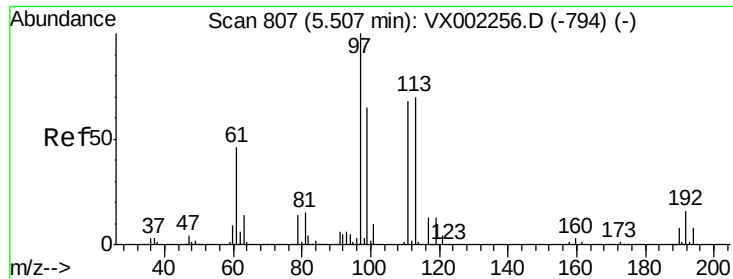
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283737		
63	20.1	0.0	41.4	
88	14.5	0.0	30.0	





#35

Dibromofluoromethane

Concen: 43.559 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

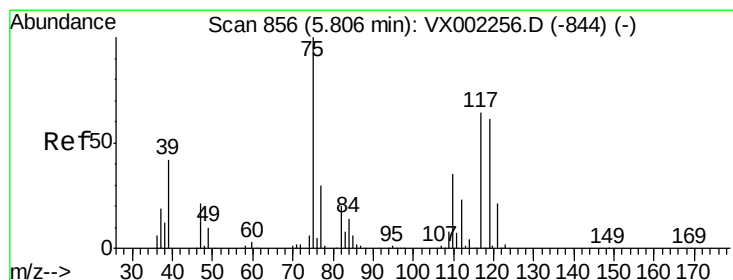
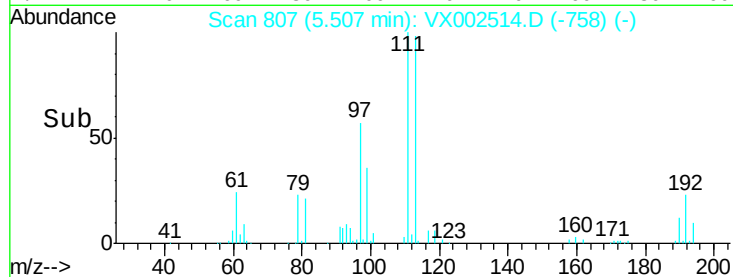
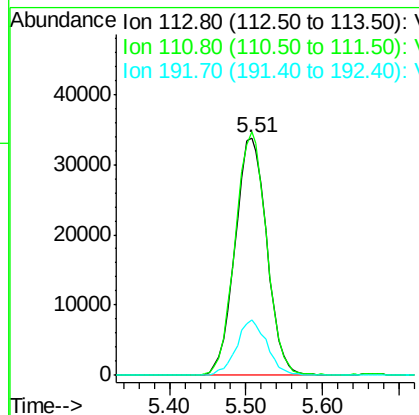
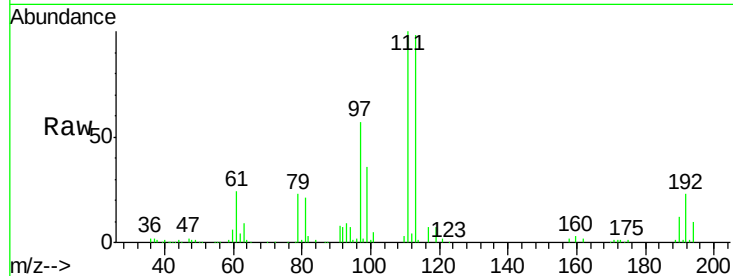
ClientSampleId :

VX0613WBSD01

Tot Ion:	113	Resp:	97195
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.4	122.0
192	22.3	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.426 ug/l

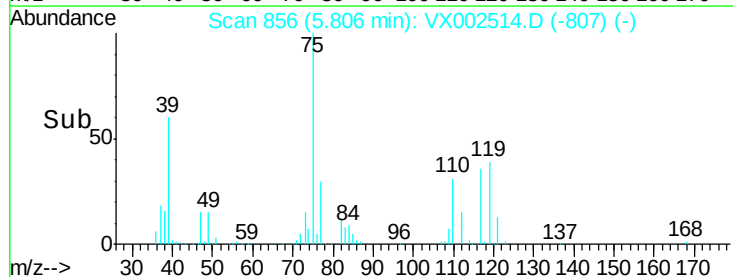
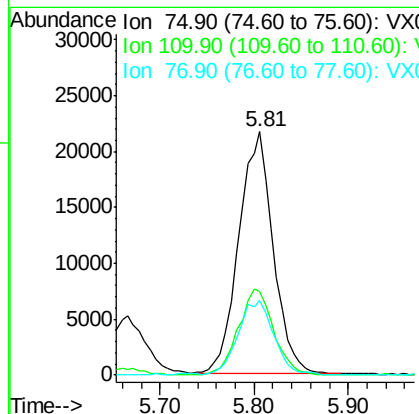
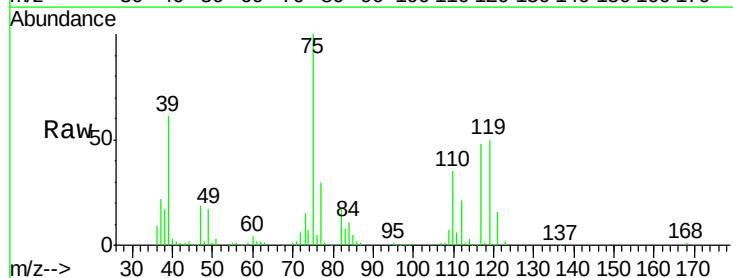
RT: 5.81 min Scan# 856

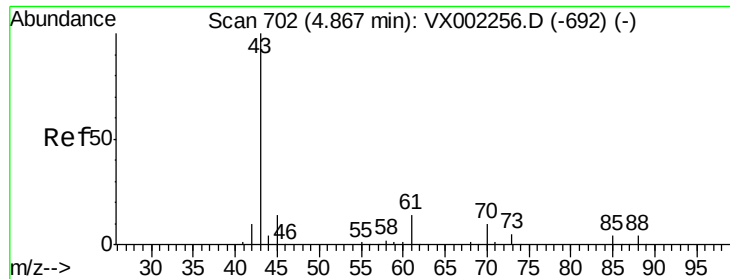
Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	75	Resp:	54962
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.4
77	32.4	24.3	36.5





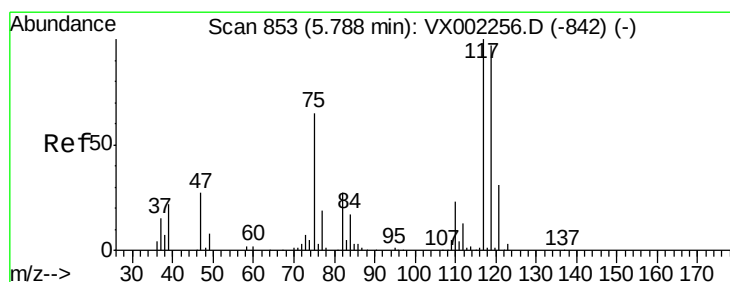
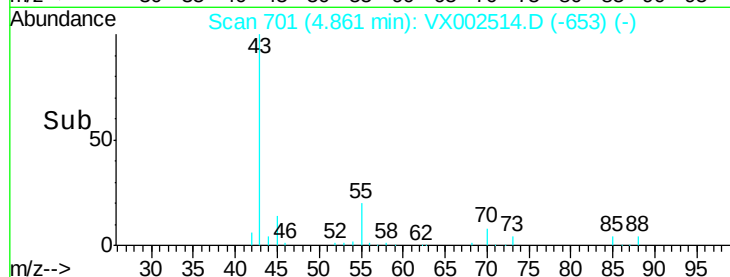
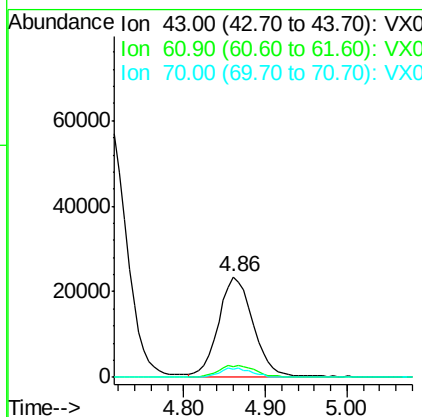
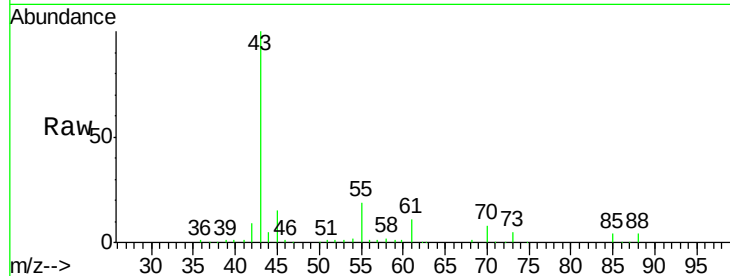
#37
Ethyl Acetate
Concen: 18.982 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.0	7.6	11.4

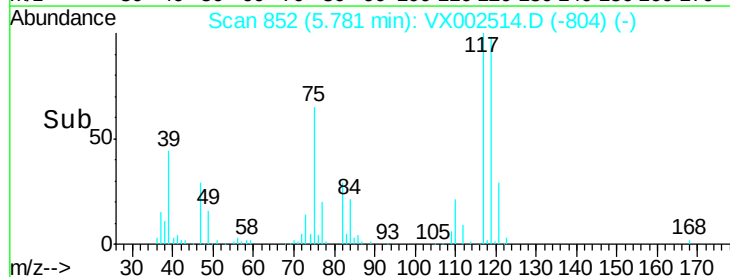
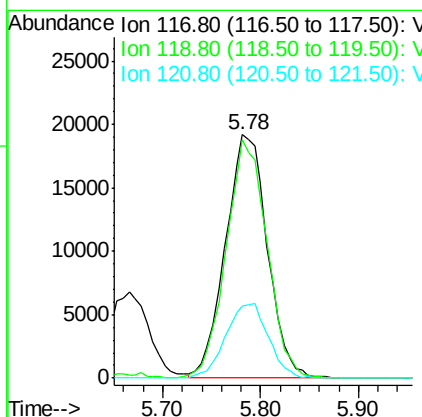
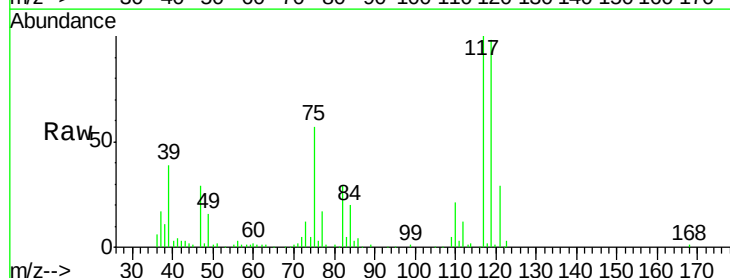
Manual Integrations
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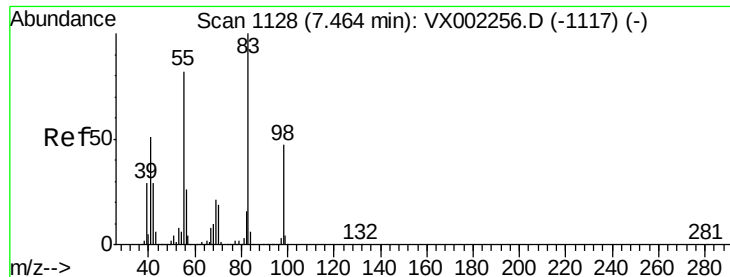
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#38
Carbon Tetrachloride
Concen: 18.258 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.4	116.0
121	29.4	24.4	36.6





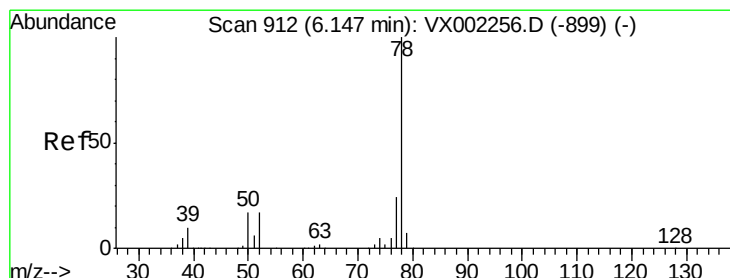
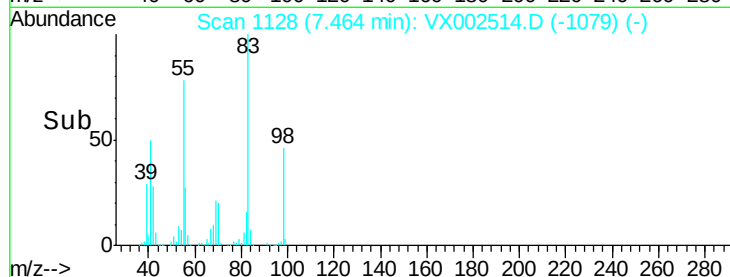
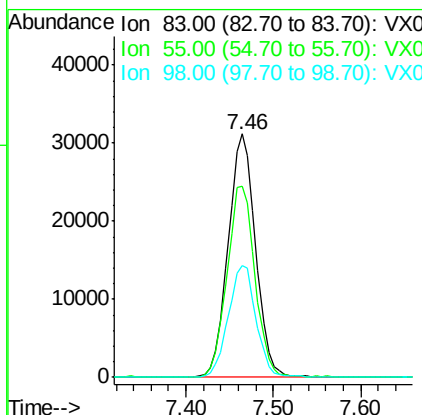
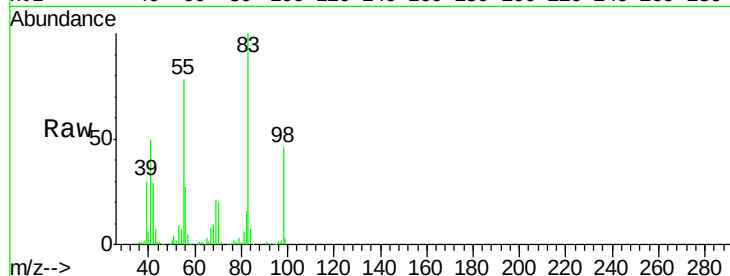
#39
Methylvlcyclohexane
Concen: 18.604 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	65.4	98.0
98	45.7	37.4	56.0

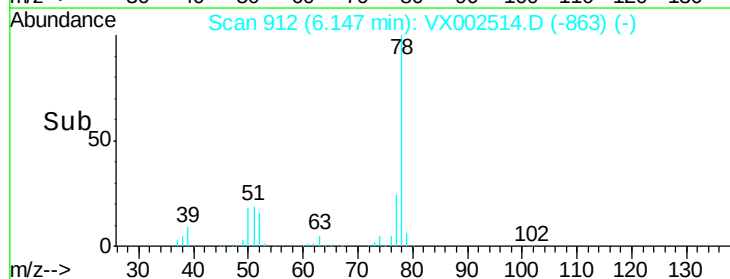
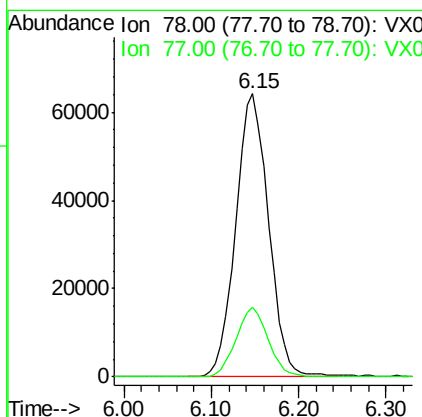
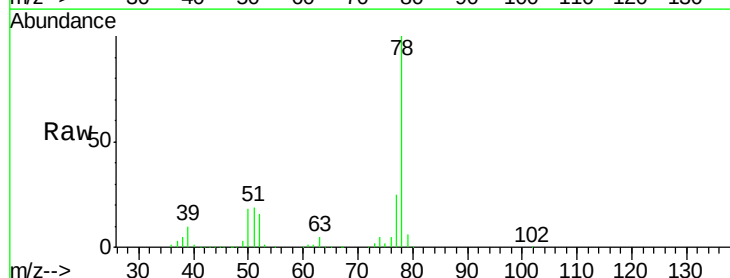
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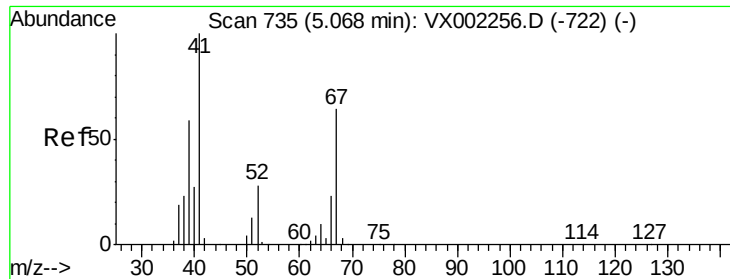
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#40
Benzene
Concen: 18.319 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





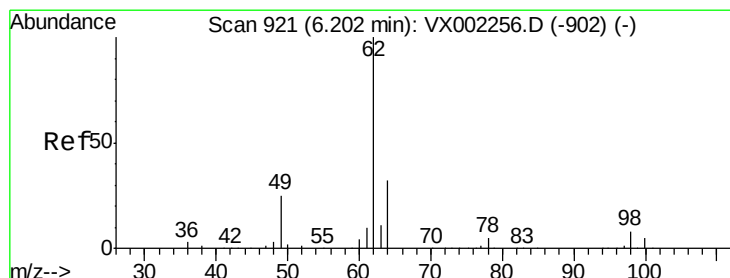
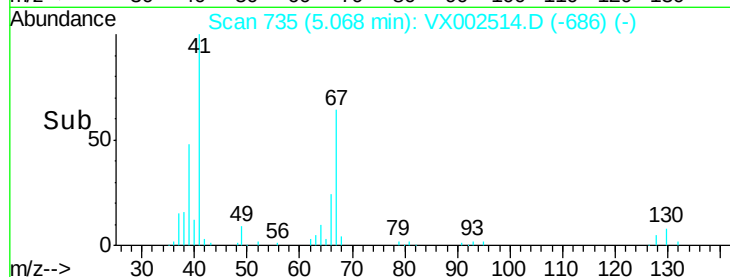
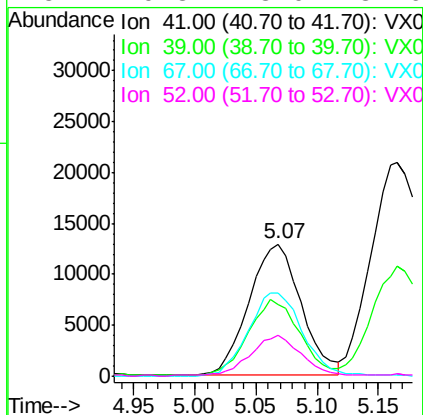
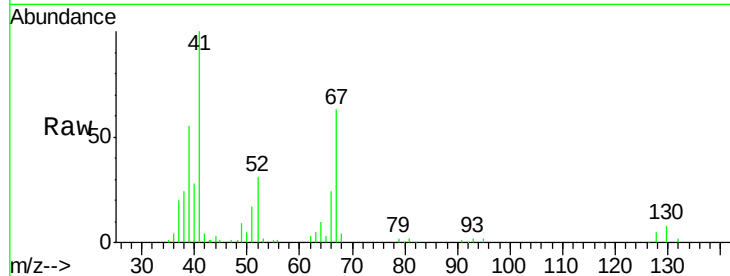
#41
Methacrylonitrile
Concen: 18.758 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		38520		
39	56.3	45.8	68.6		
67	65.9	51.3	76.9		
52	29.3	23.0	34.6		

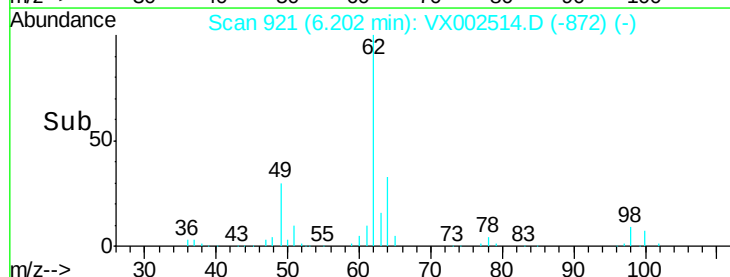
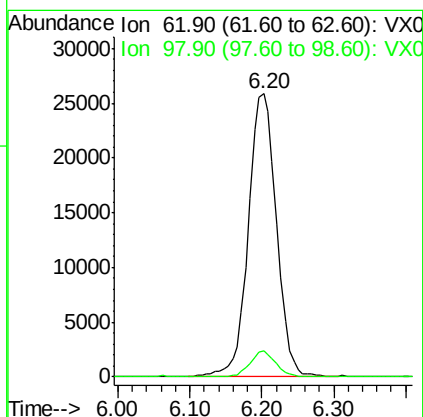
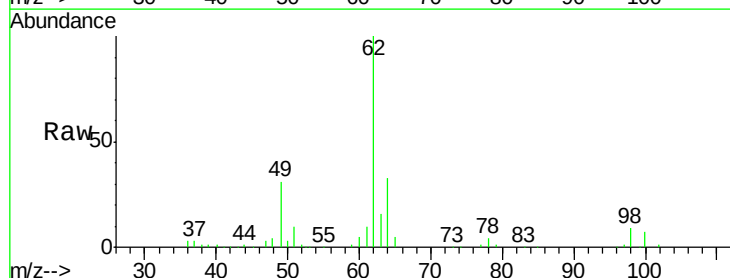
Manual Integrations
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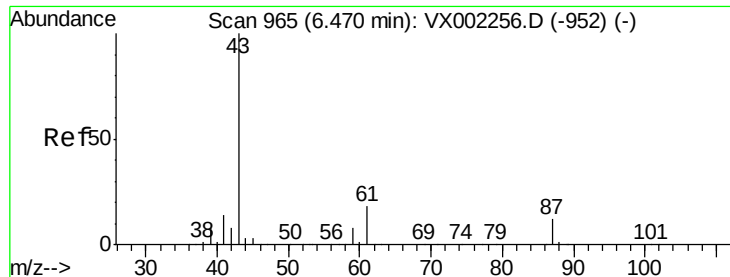
MMDadoda
6/14/2018 11:29:26 AM



#42
1,2-Dichloroethane
Concen: 19.365 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		70368		
98	8.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 18.169 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

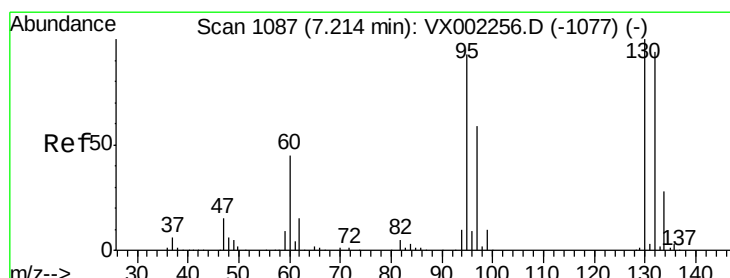
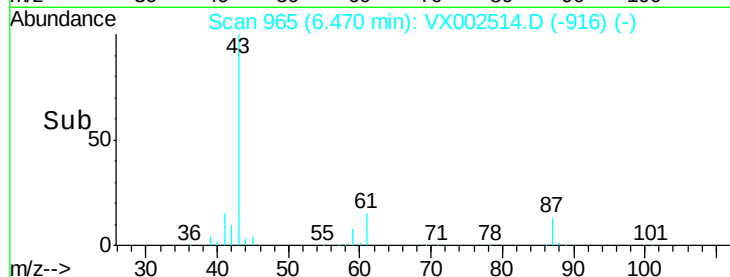
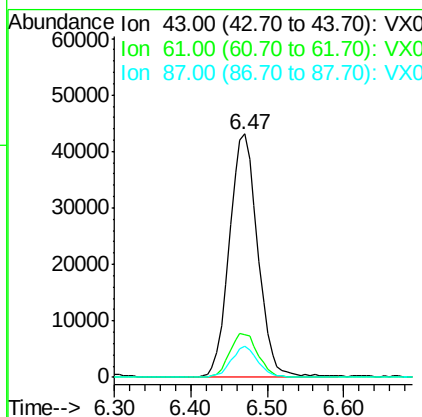
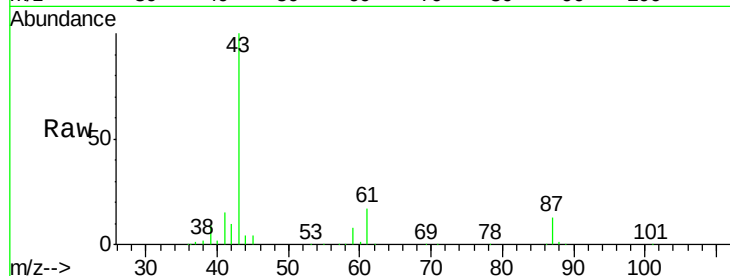
ClientSampleId :

VX0613WBSD01

Tot Ion:	43	Resp:	110703
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.177 ug/l

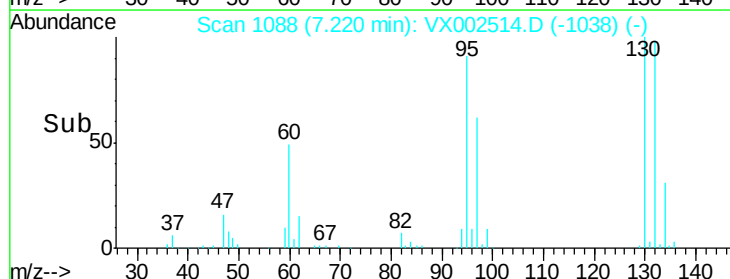
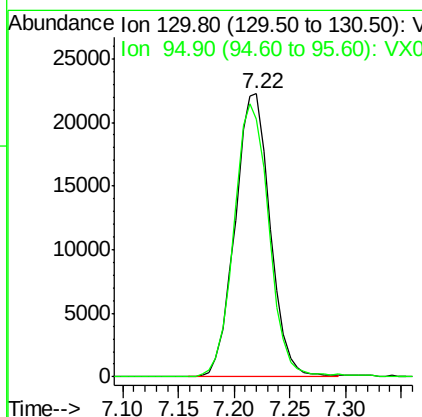
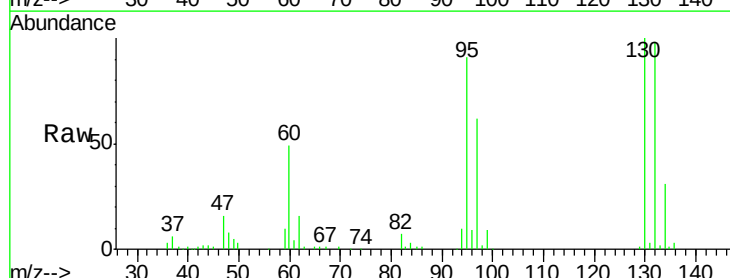
RT: 7.22 min Scan# 1088

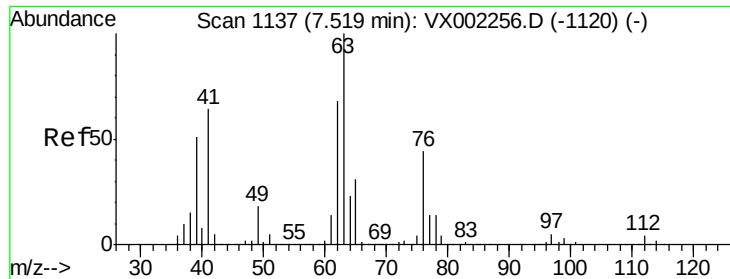
Delta R.T. 0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	130	Resp:	48679
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.4





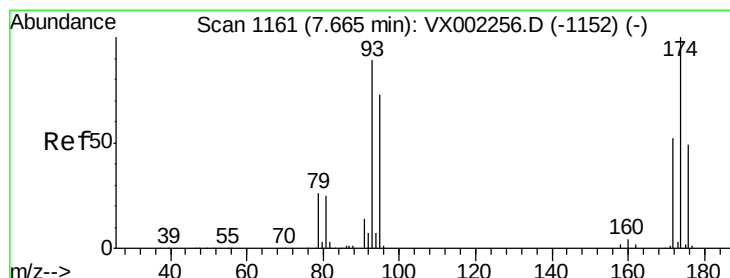
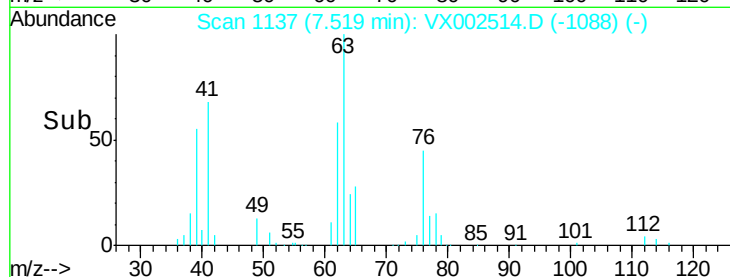
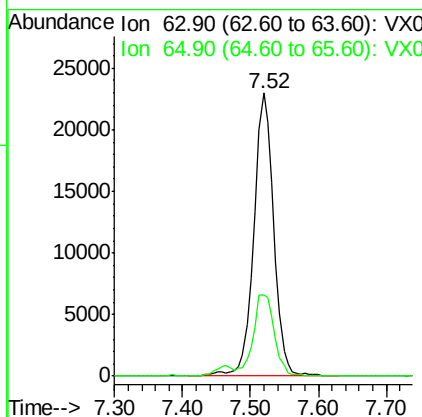
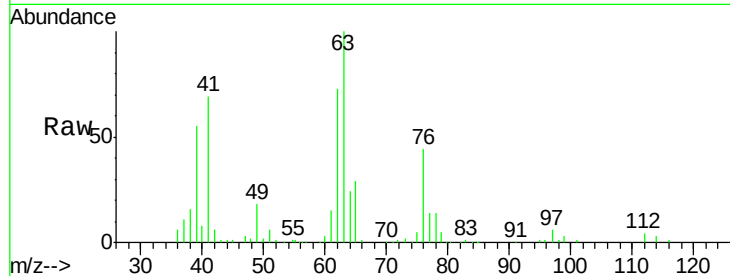
#45
 1,2-Dichloropropane
 Concen: 19.070 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion: 63 Resp: 47086
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.7 37.1

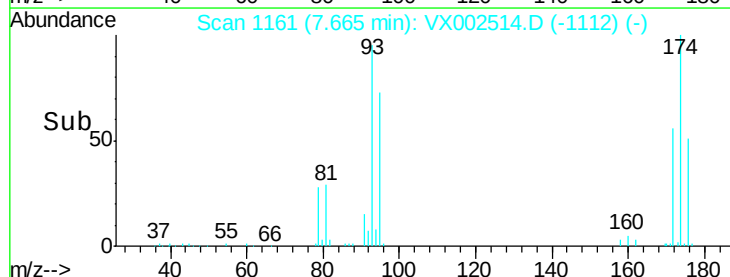
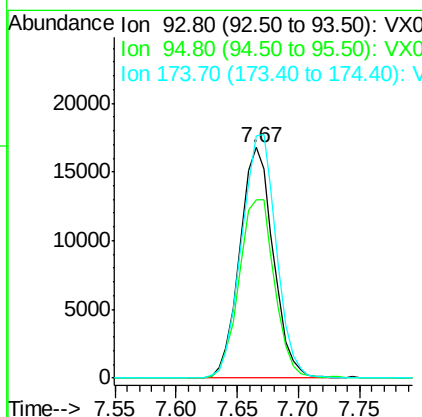
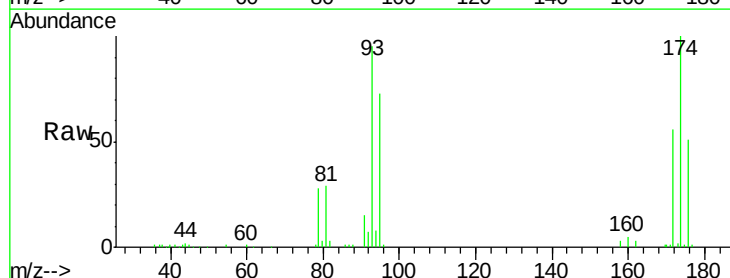
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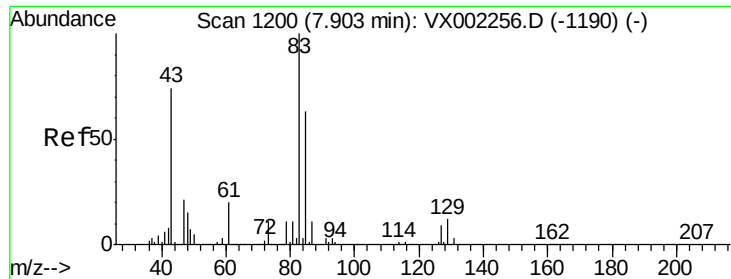
MMDadoda
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#46
 Dibromomethane
 Concen: 19.110 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion: 93 Resp: 31986
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.9 98.9
 174 109.7 92.4 138.6





#47

Bromodichloromethane

Concen: 18.125 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

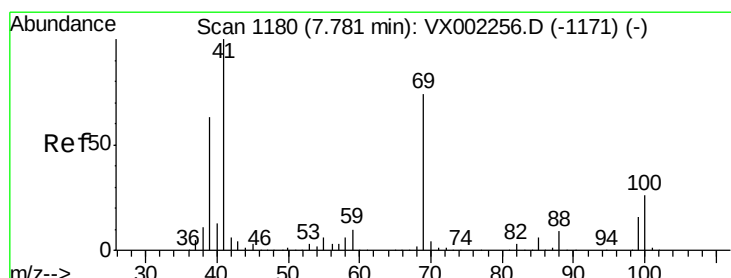
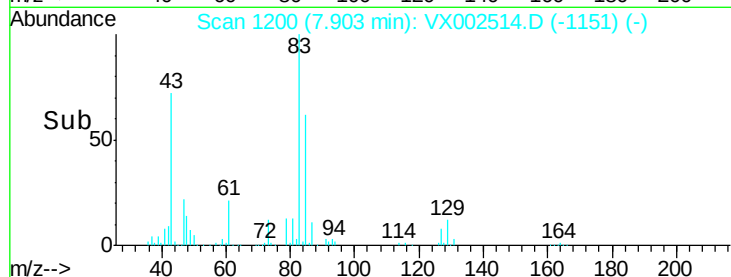
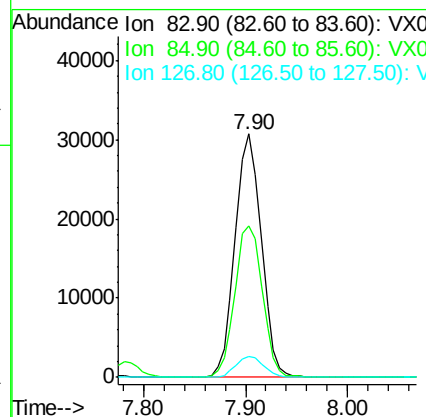
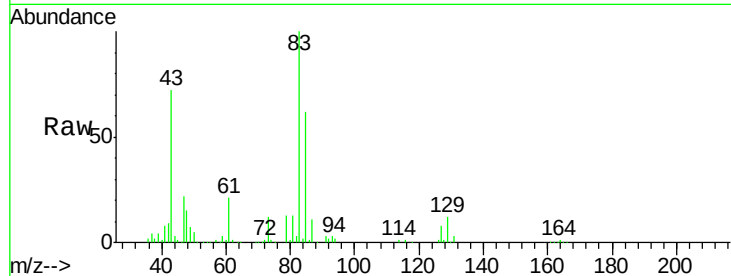
ClientSampleId :

VX0613WBSD01

Tot Ion:	83	Resp:	54870
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.3	75.5
127	8.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.604 ug/l

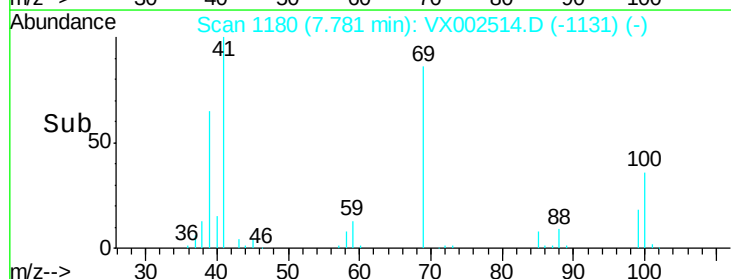
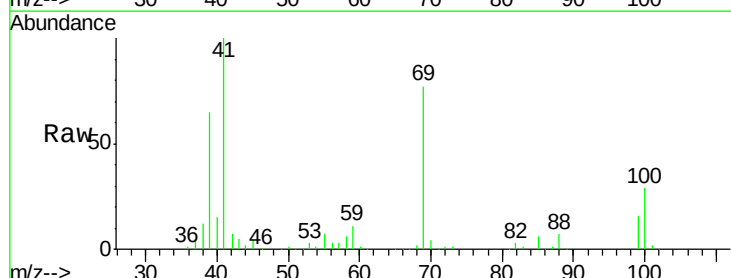
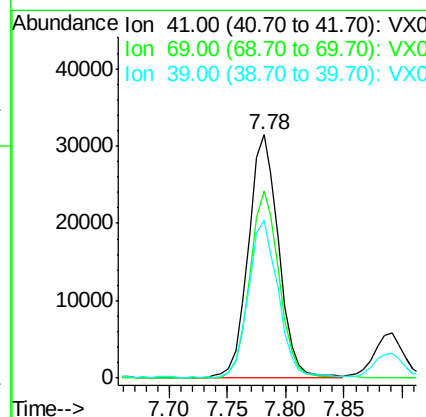
RT: 7.78 min Scan# 1180

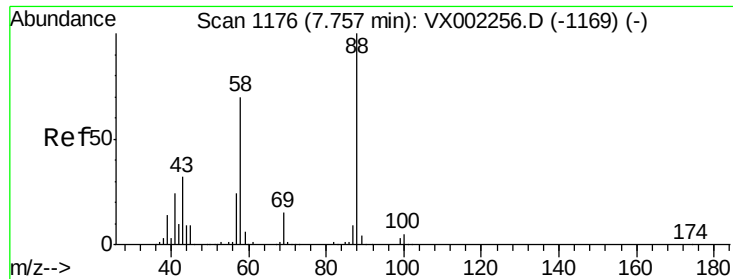
Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	41	Resp:	56940
Ion	Ratio	Lower	Upper
41	100		
69	75.5	59.1	88.7
39	63.9	48.9	73.3





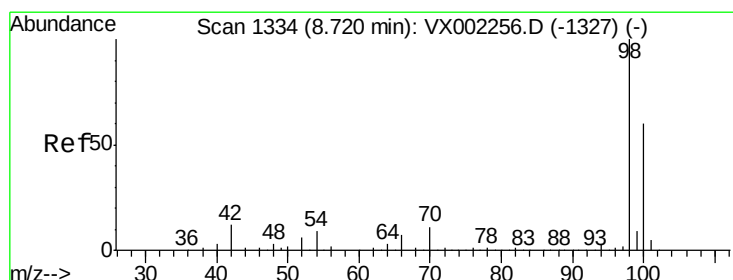
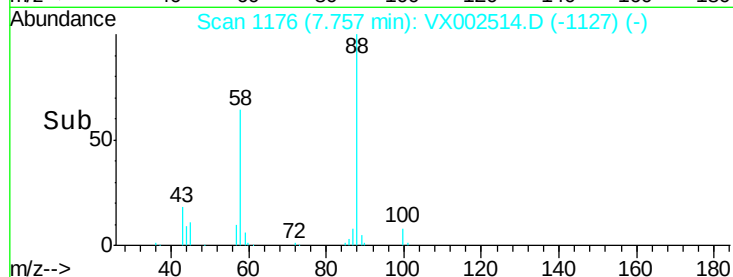
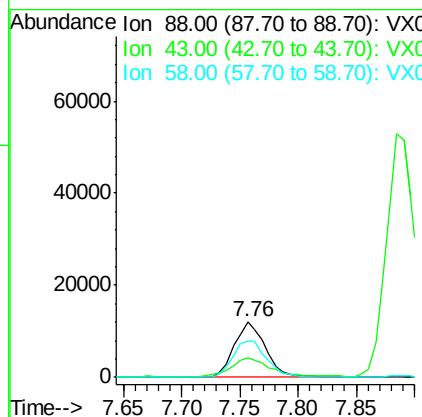
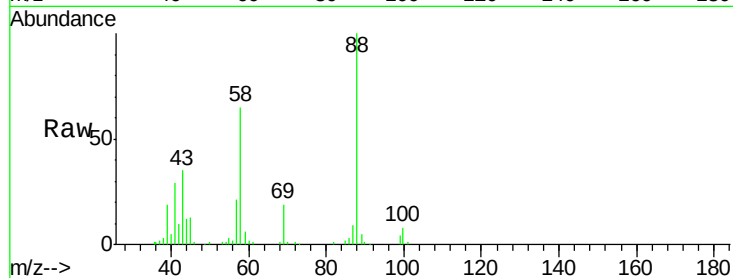
#49
1,4-Dioxane
Concen: 393.060 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.1	29.8	44.6
58	72.2	57.1	85.7

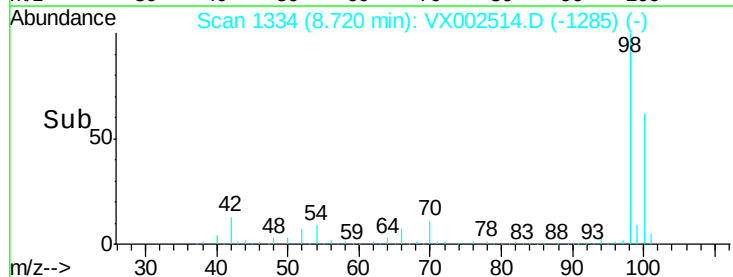
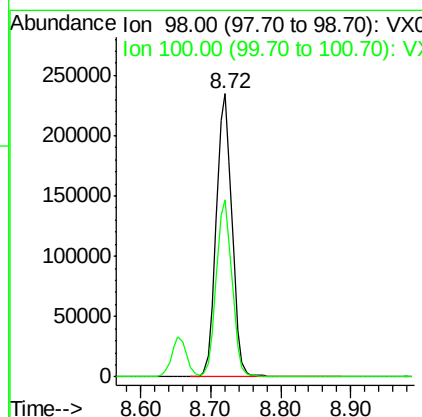
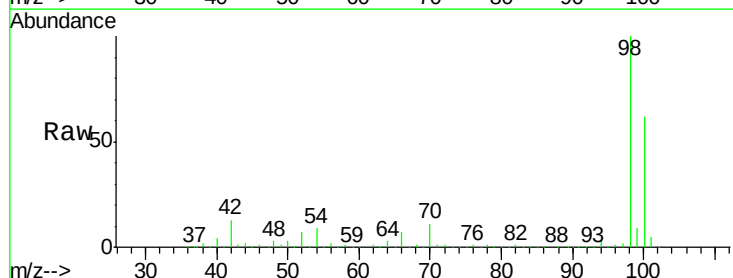
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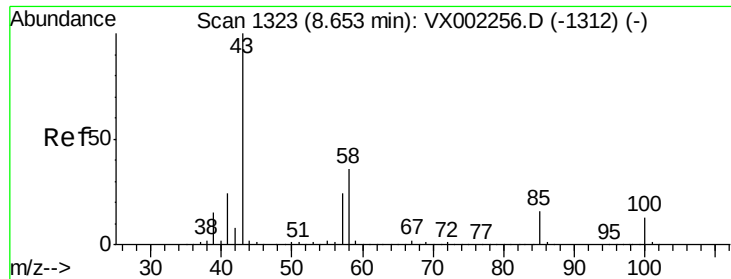
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#50
Toluene-d8
Concen: 42.817 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 96.414 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 43 Resp: 365833

Ion Ratio Lower Upper

43 100

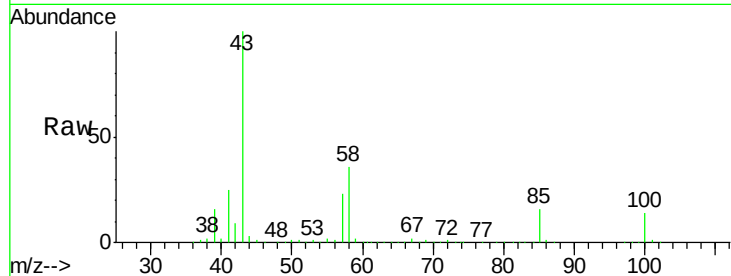
58 35.6 28.6 42.8

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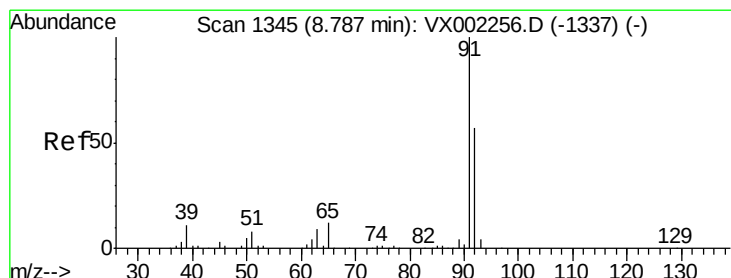
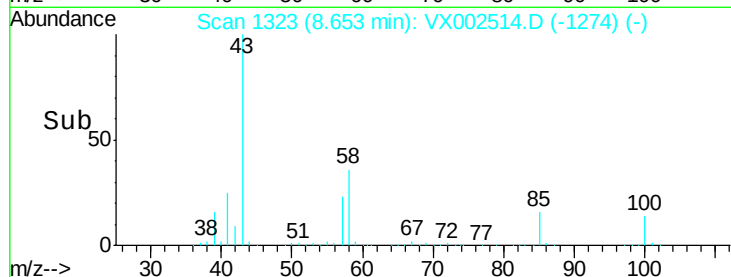
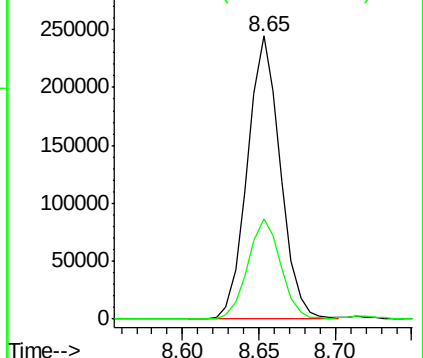
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.903 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002514.D

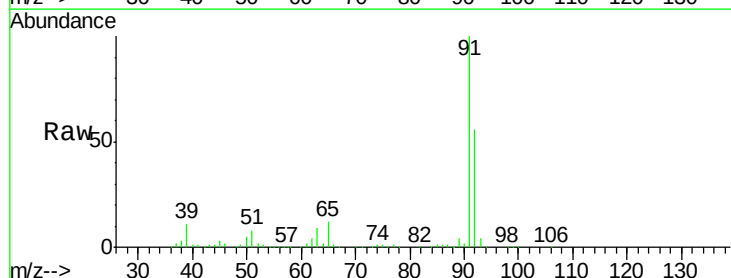
Acq: 13 Jun 2018 17:48

Tgt Ion: 92 Resp: 109960

Ion Ratio Lower Upper

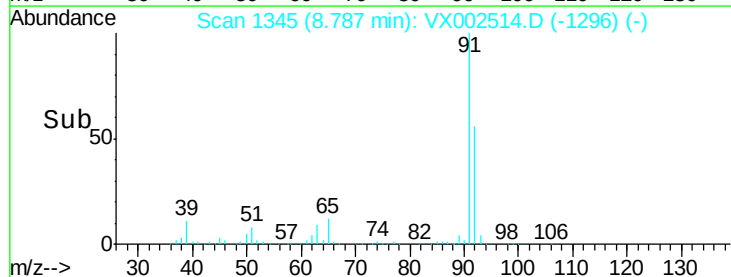
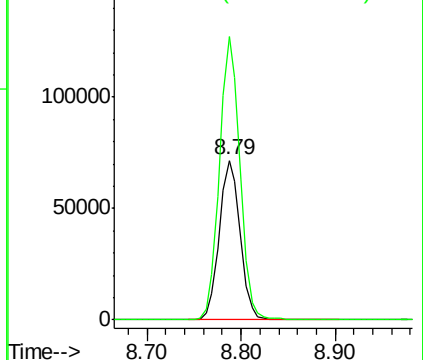
92 100

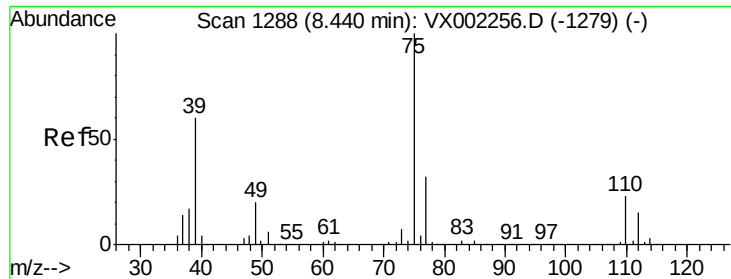
91 174.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





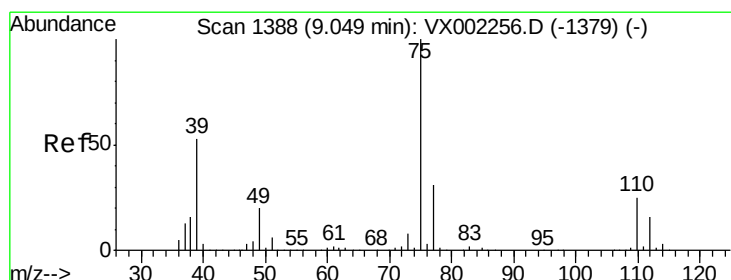
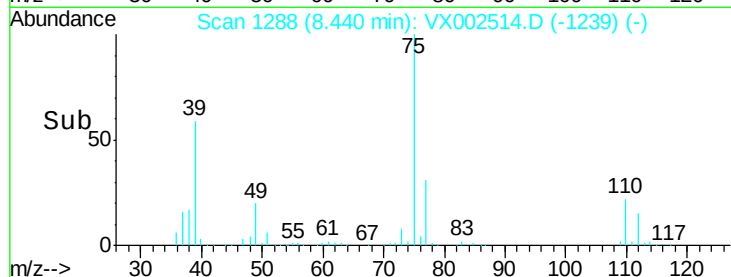
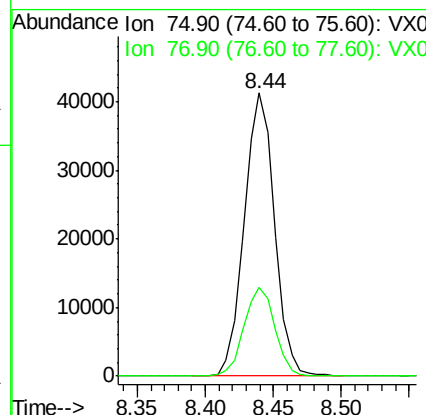
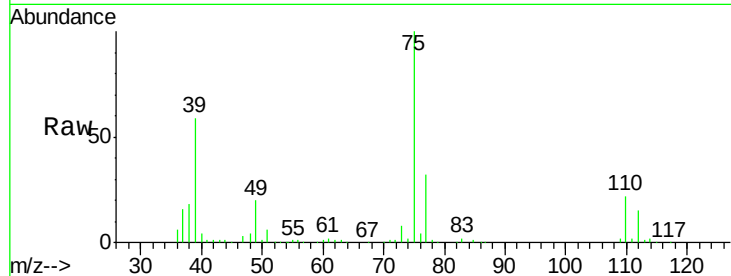
#53
t-1,3-Dichloropropene
Concen: 17.655 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion: 75 Resp: 64094
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

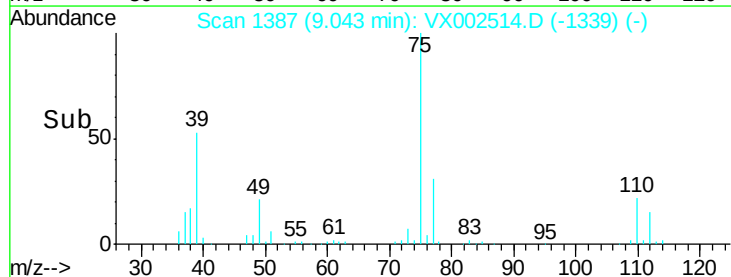
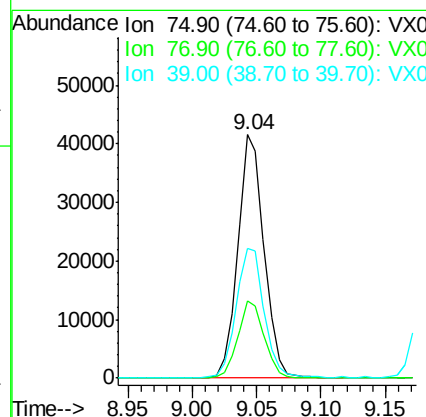
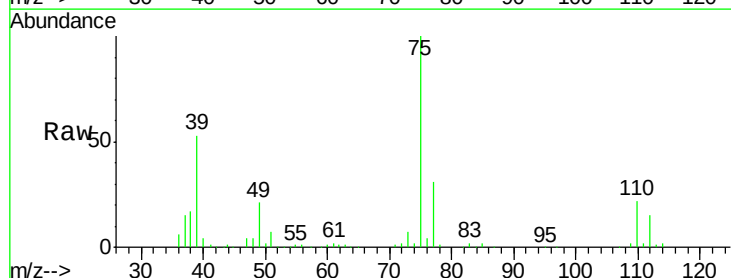
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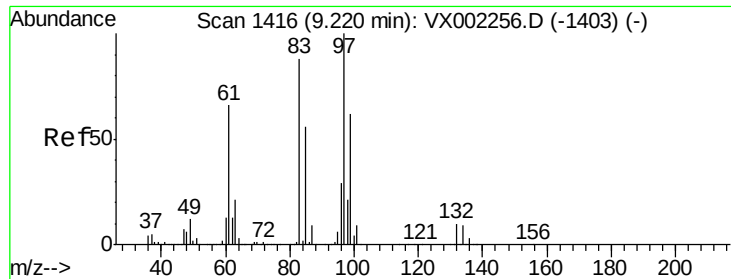
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#54
cis-1,3-Dichloropropene
Concen: 17.175 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion: 75 Resp: 58826
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 53.2 42.4 63.6





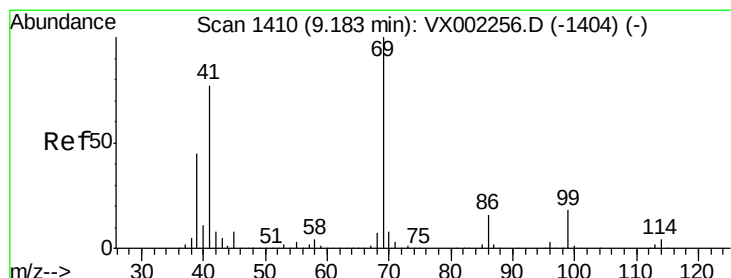
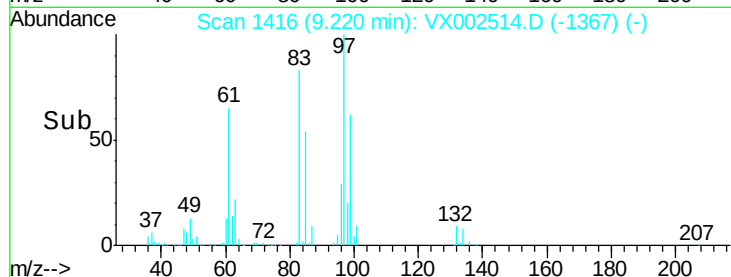
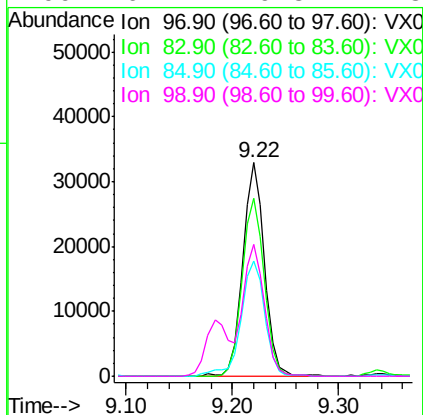
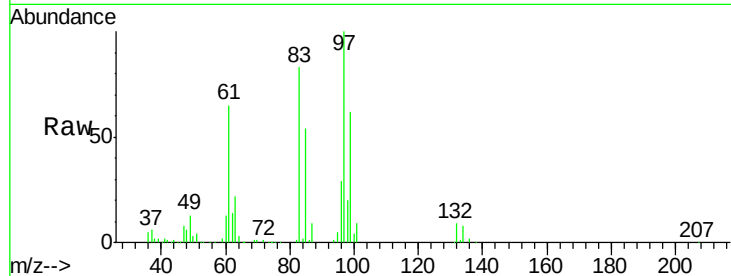
#55
 1,1,2-Trichloroethane
 Concen: 19.704 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion:	97	Resp:	47142
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	54.1	44.9	67.3
99	61.7	49.8	74.8

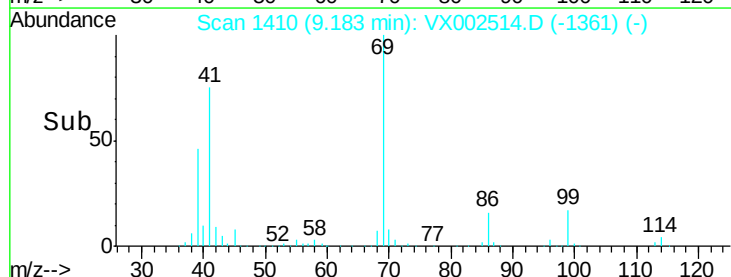
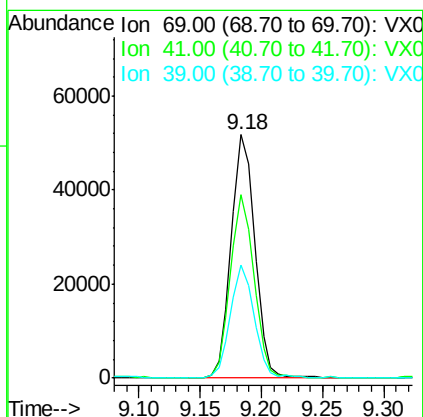
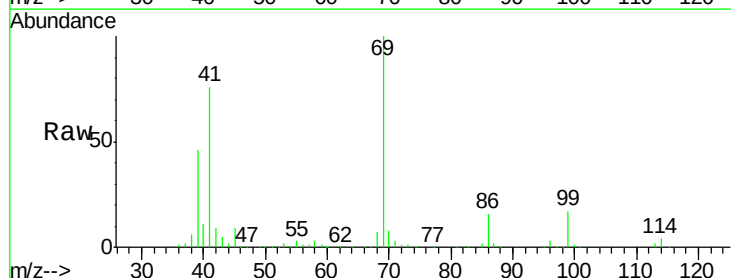
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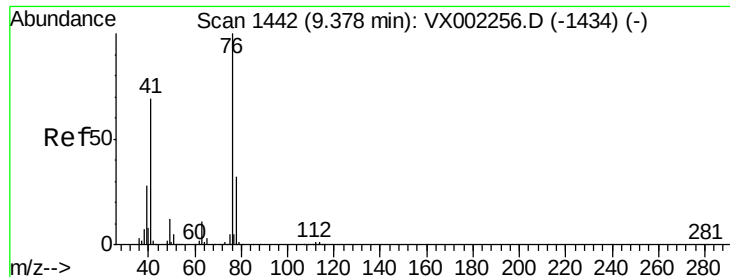
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#56
 Ethyl methacrylate
 Concen: 18.270 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion:	69	Resp:	69787
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.3	90.5
39	46.2	35.8	53.8





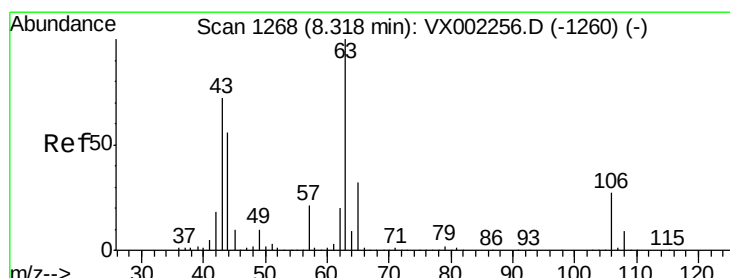
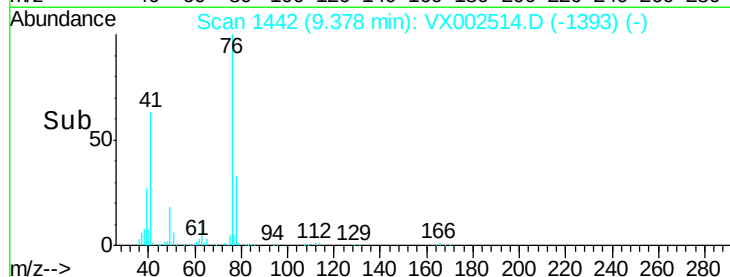
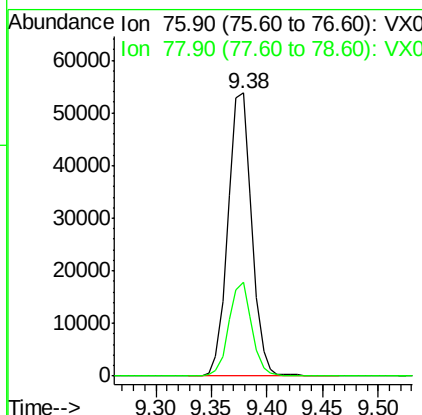
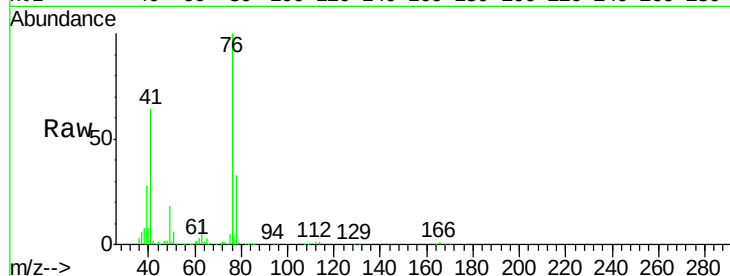
#57
 1,3-Dichloropropane
 Concen: 19.743 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion: 76 Resp: 79244
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

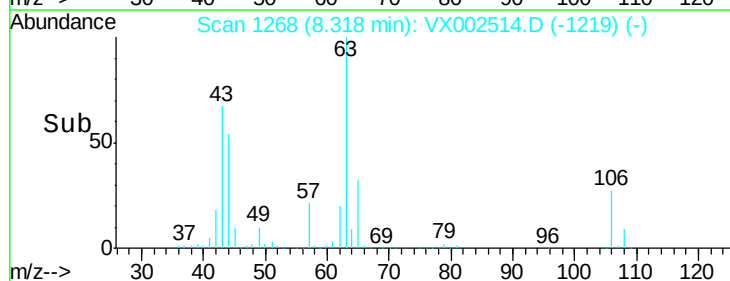
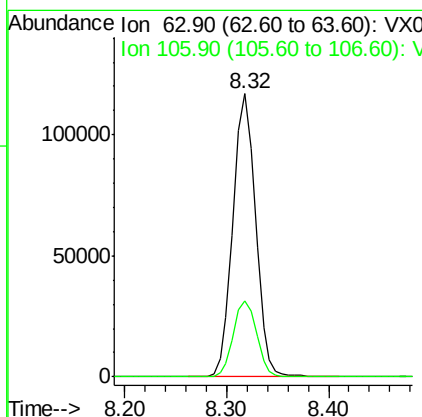
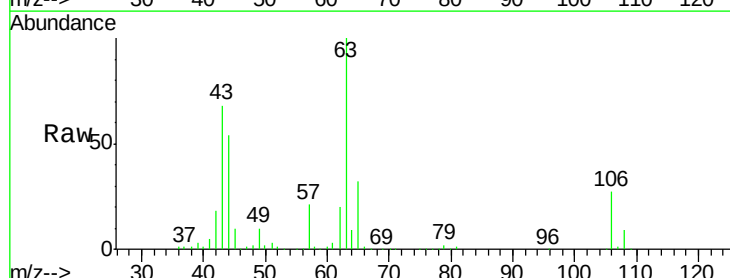
Manual Integrations
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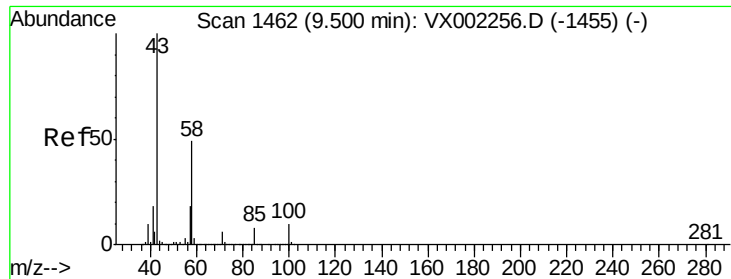
MMDadoda
 6/14/2018 11:29:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.321 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion: 63 Resp: 180893
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.8





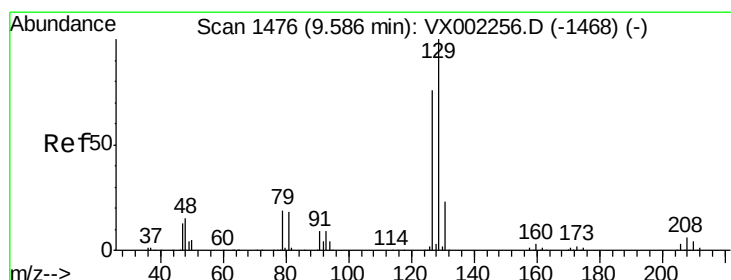
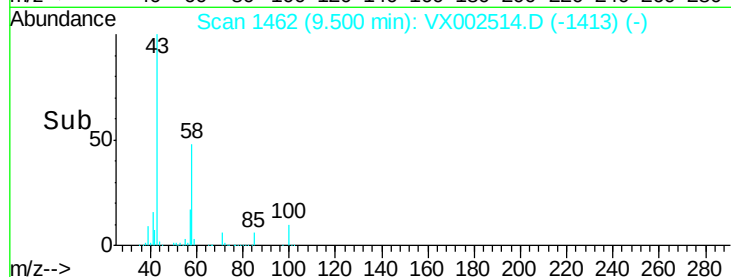
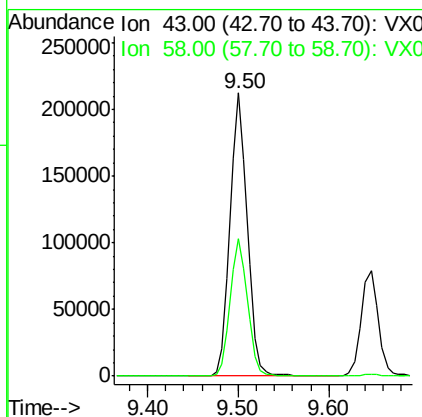
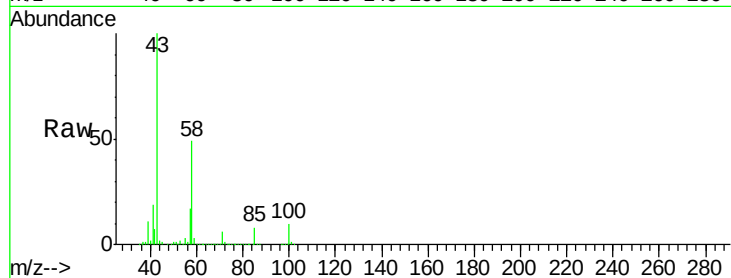
#59
2-Hexanone
Concen: 95.809 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.6	73.6

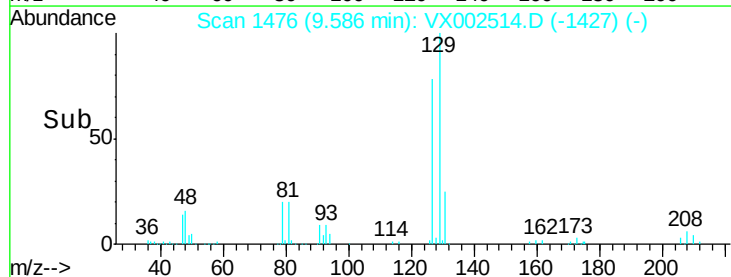
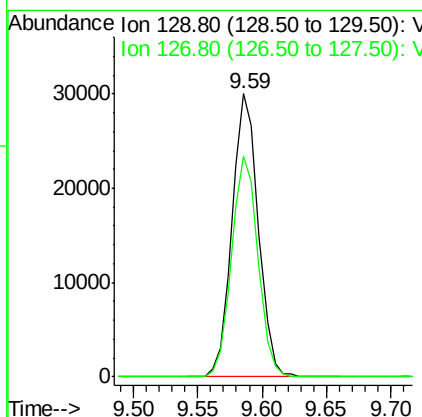
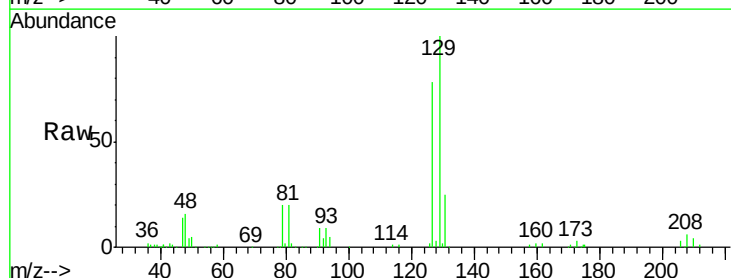
Manual Integrations
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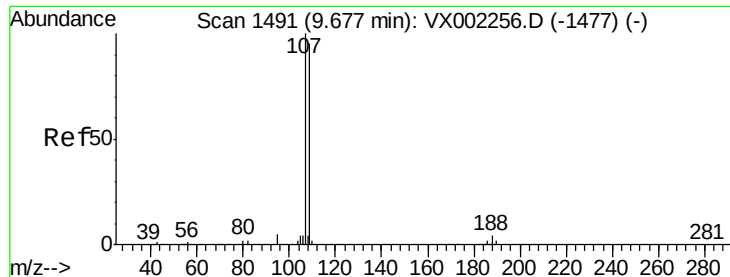
MMDadoda
6/14/2018 11:29:26 AM



#60
Dibromochloromethane
Concen: 17.769 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.3





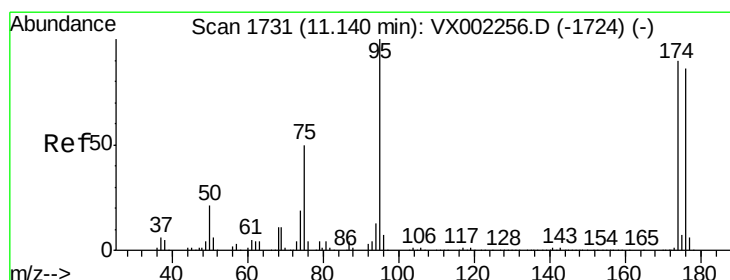
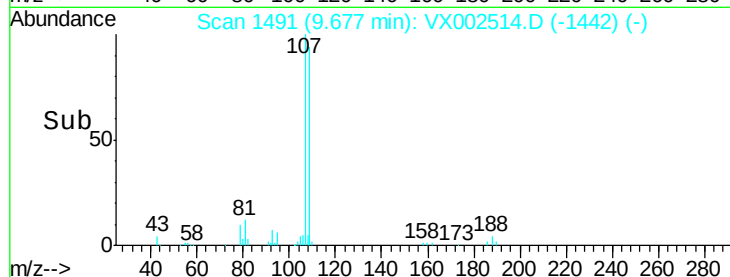
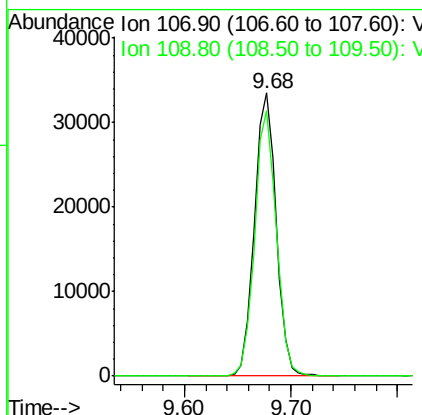
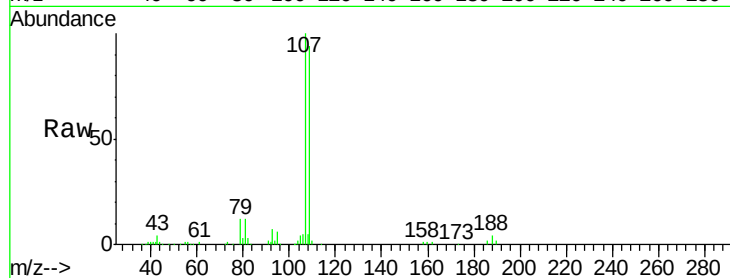
#61
 1,2-Dibromoethane
 Concen: 19.337 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	48239		
109	109	93.6	75.3	112.9	

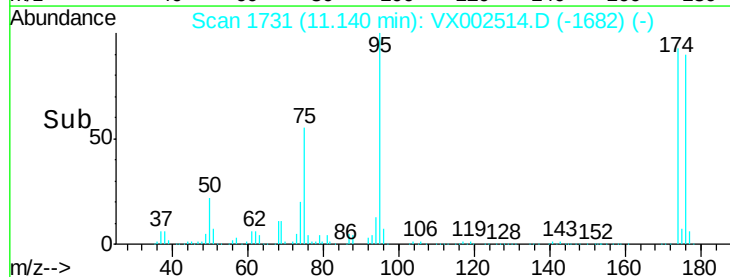
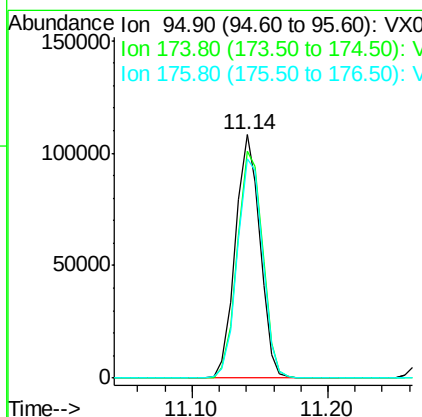
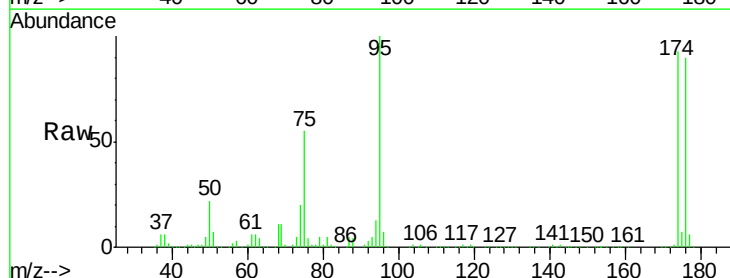
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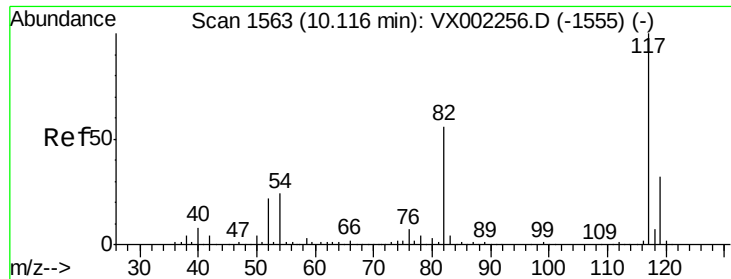
MMDadoda
 6/14/2018 11:29:26 AM



#62
 4-Bromofluorobenzene
 Concen: 41.227 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	135967		
174	174	96.5	0.0	187.4	
176	176	92.8	0.0	181.0	





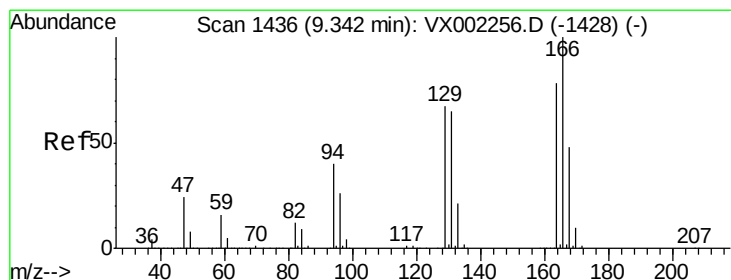
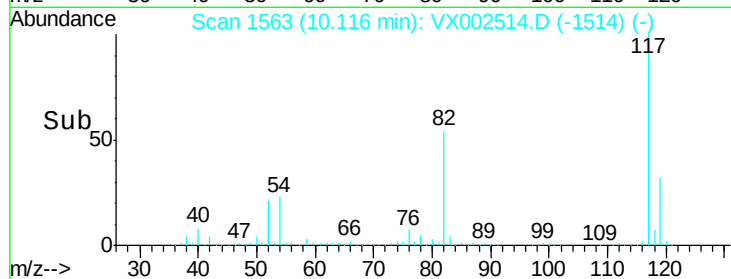
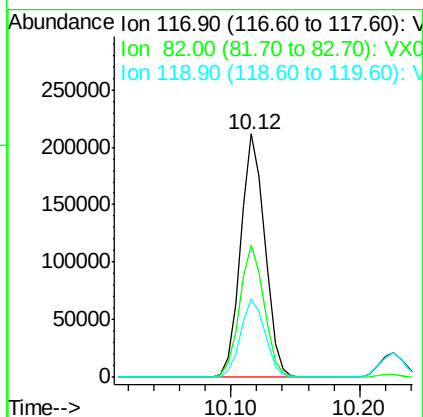
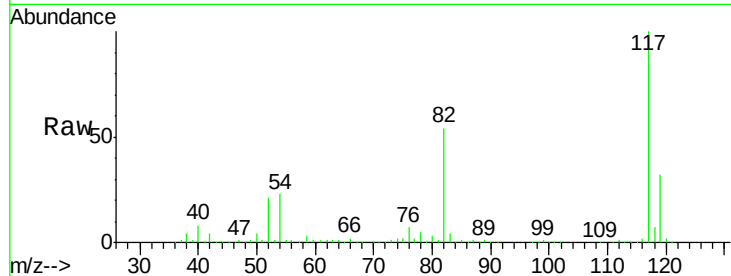
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	32.2	25.8	38.6

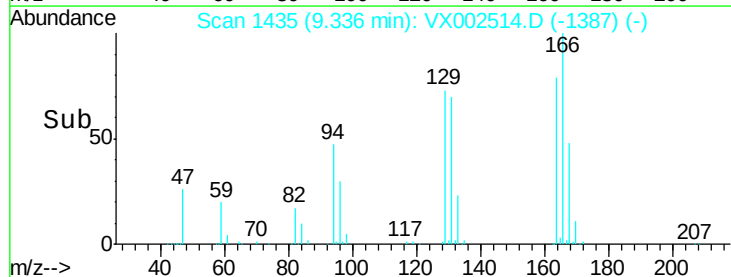
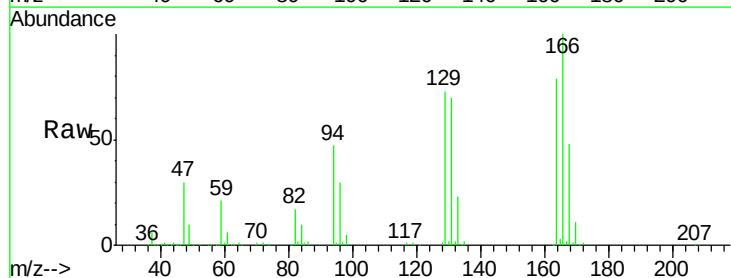
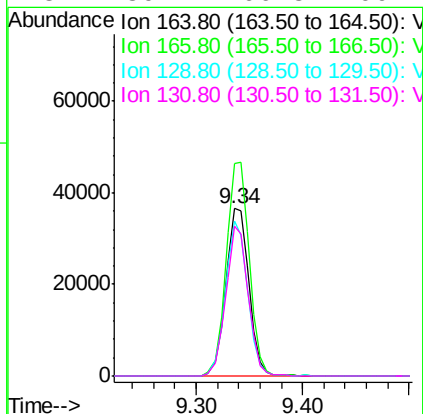
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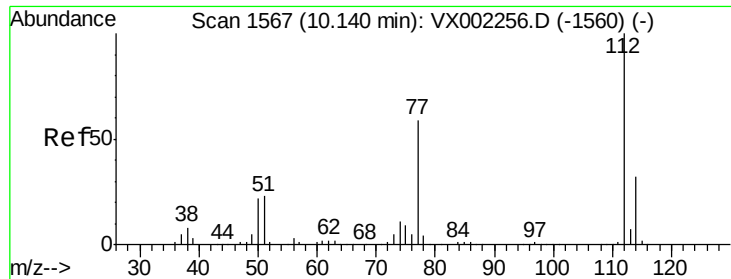
MMDadoda
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#64
Tetrachloroethene
Concen: 19.569 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.9	154.3
129	92.8	68.6	102.8
131	89.2	66.8	100.2





#65

Chlorobenzene

Concen: 18.691 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion:112 Resp: 128150

Ion Ratio Lower Upper

112 100

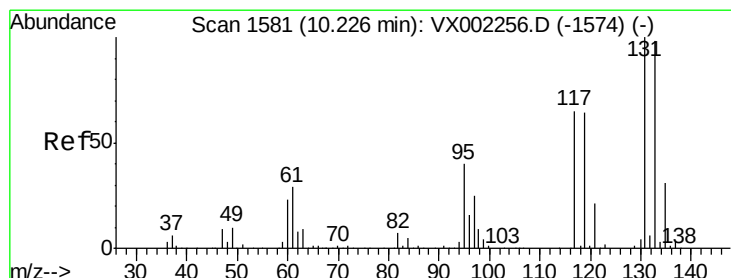
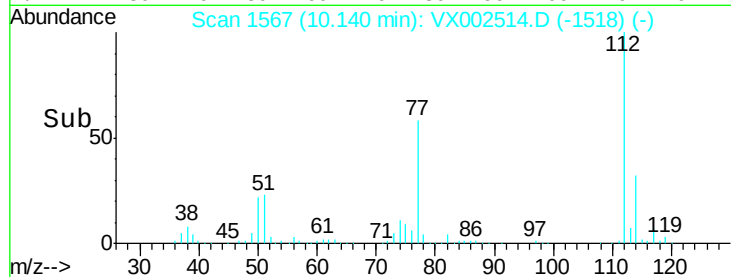
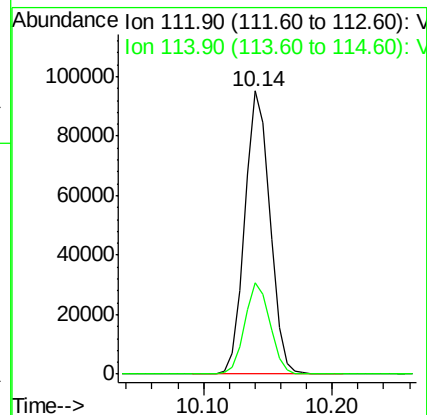
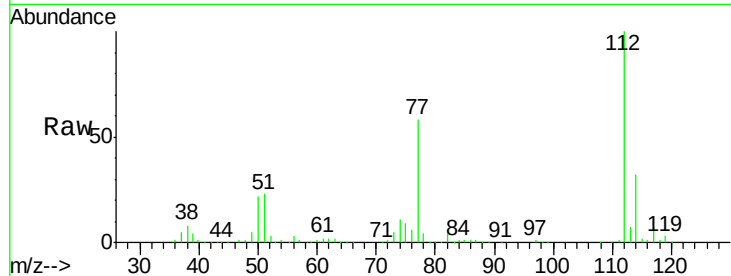
114 32.5 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.079 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

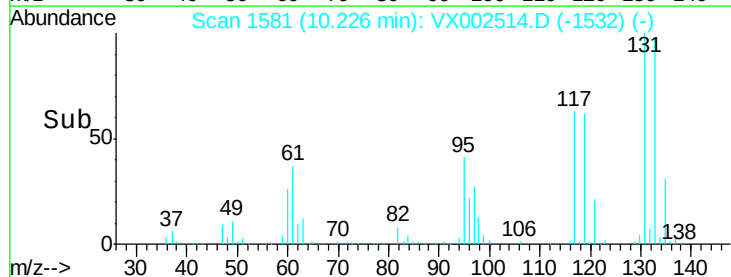
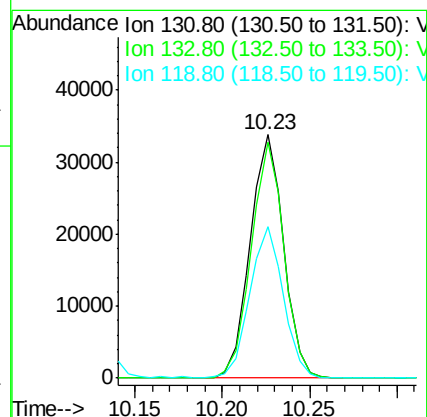
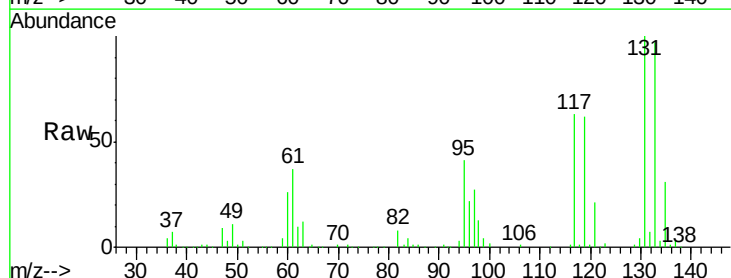
Tgt Ion:131 Resp: 44883

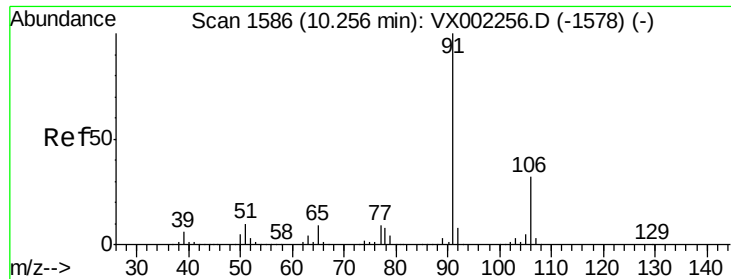
Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.6

119 62.4 31.8 95.3





#67

Ethyl Benzene

Concen: 18.954 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 91 Resp: 217478

Ion Ratio Lower Upper

91 100

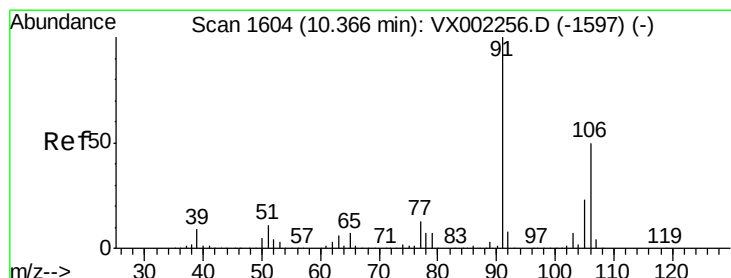
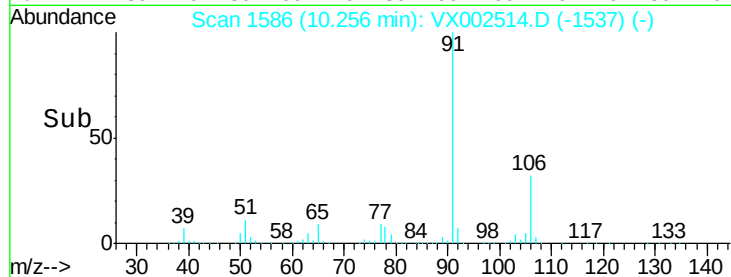
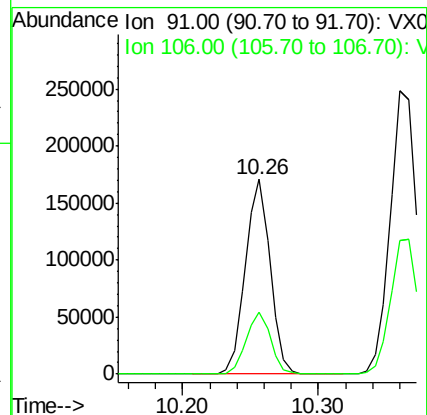
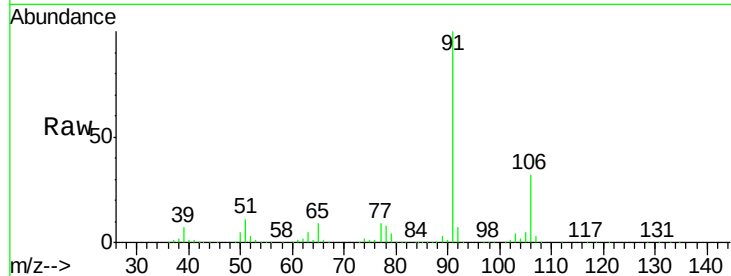
106 32.1 25.5 38.3

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#68

m/p-Xylenes

Concen: 37.200 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002514.D

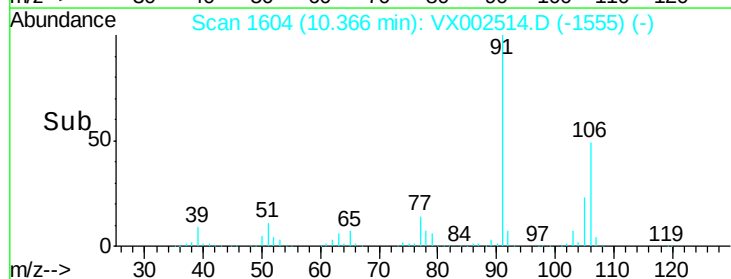
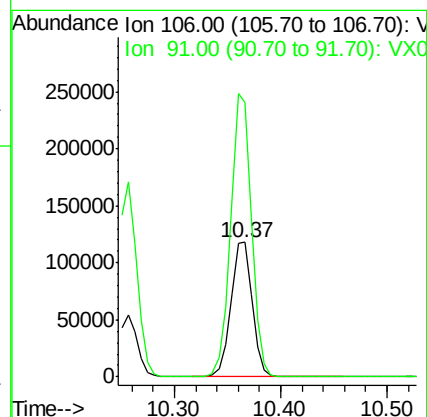
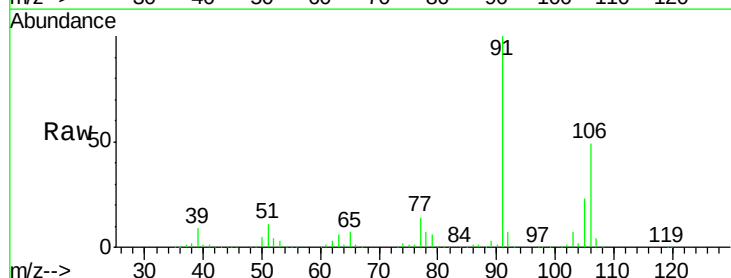
Acq: 13 Jun 2018 17:48

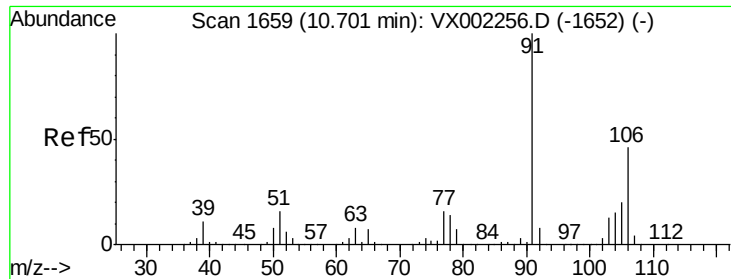
Tgt Ion: 106 Resp: 165923

Ion Ratio Lower Upper

106 100

91 205.5 163.4 245.2





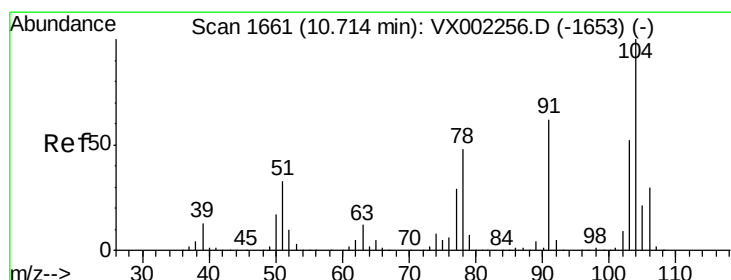
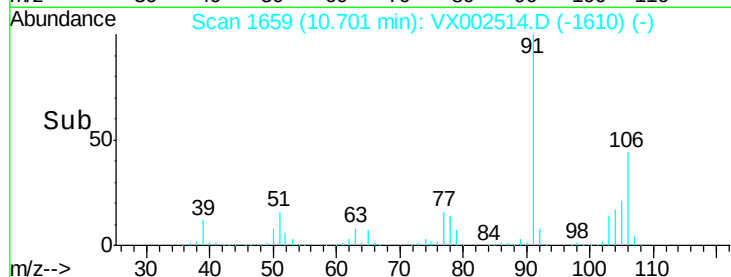
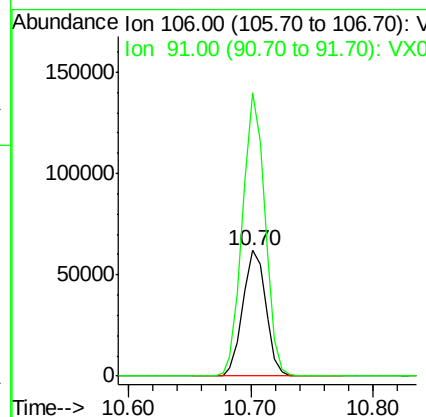
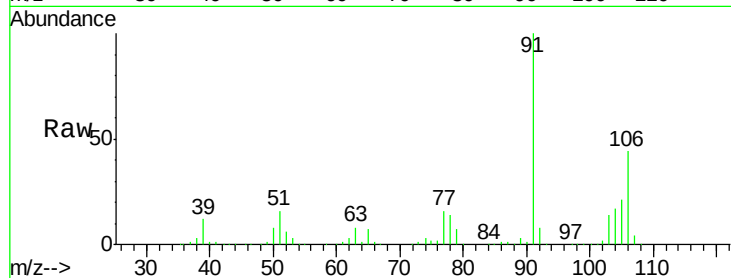
#69
o-Xylene
Concen: 18.132 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion:106 Resp: 80481
Ion Ratio Lower Upper
106 100
91 220.6 108.2 324.6

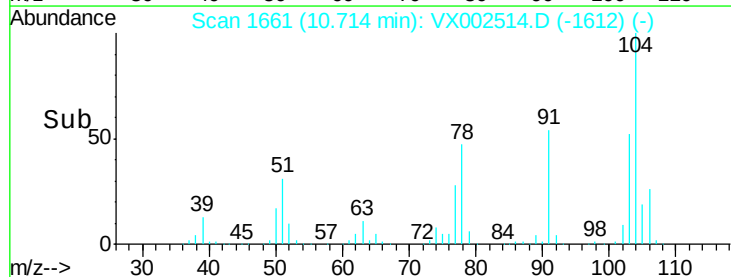
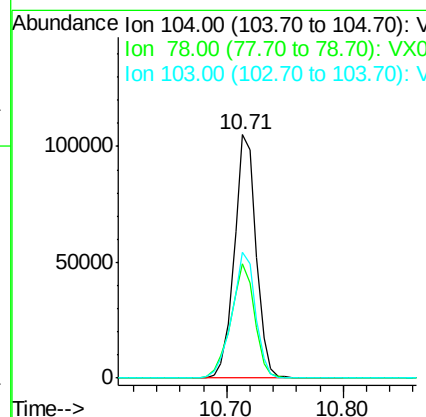
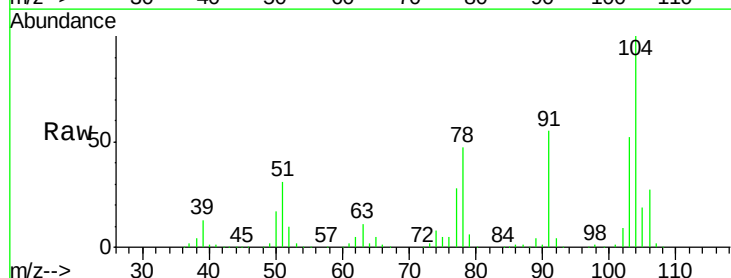
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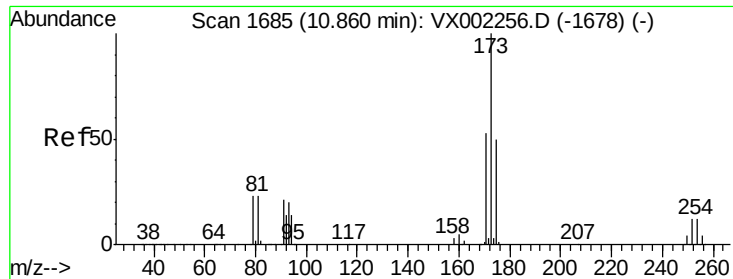
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#70
Styrene
Concen: 18.896 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion:104 Resp: 137112
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.6
103 55.9 44.2 66.4





#71

Bromoform

Concen: 16.294 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion:173 Resp: 30660

Ion Ratio Lower Upper

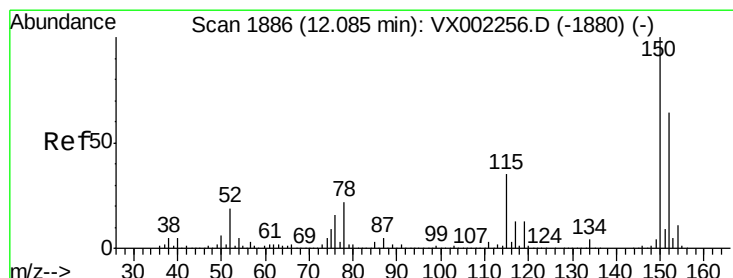
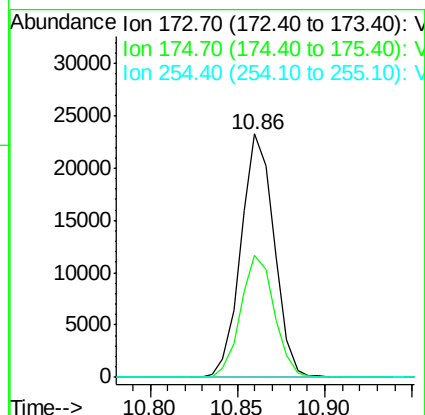
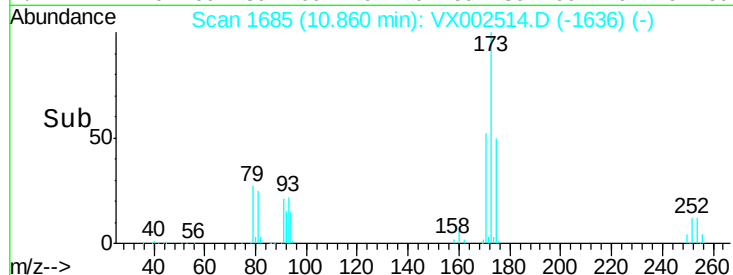
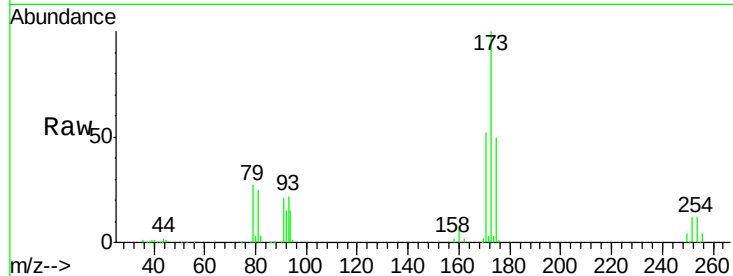
173 100

175 51.0 24.7 74.1

254 0.1 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

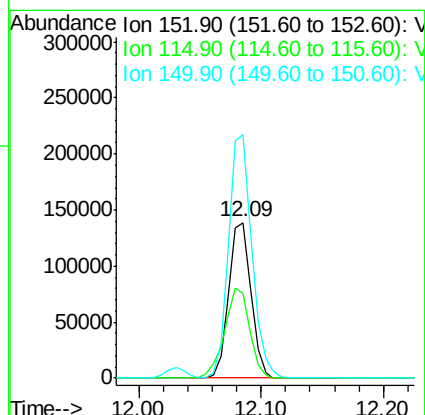
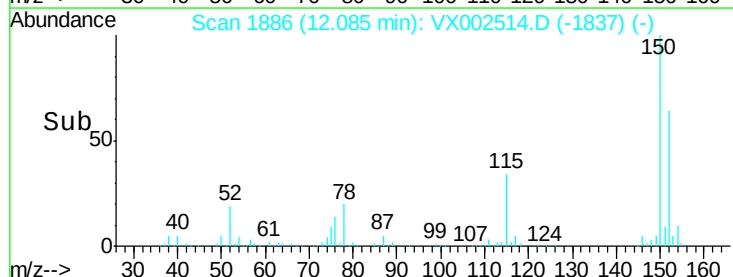
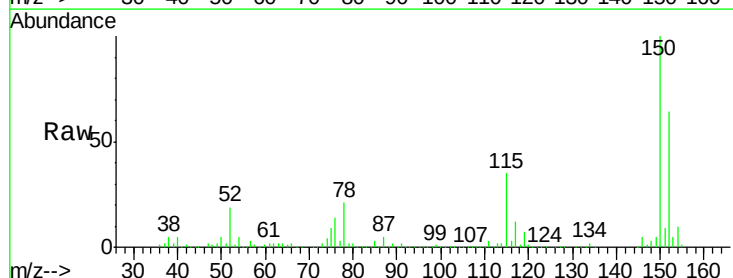
Tgt Ion:152 Resp: 173948

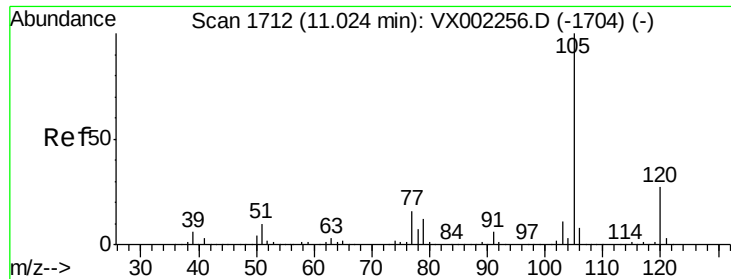
Ion Ratio Lower Upper

152 100

115 65.1 40.1 120.2

150 163.8 0.0 347.2





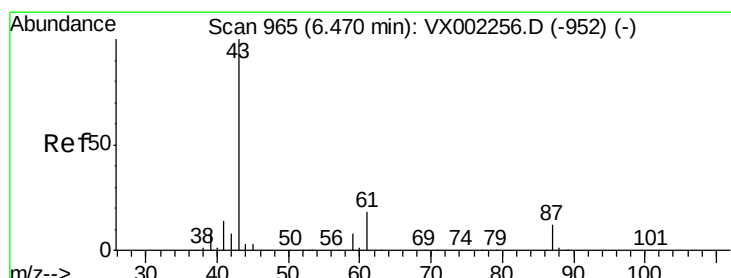
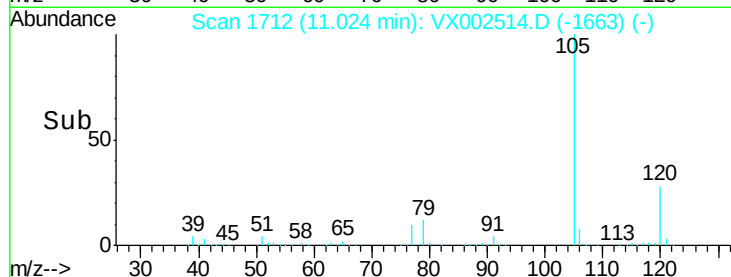
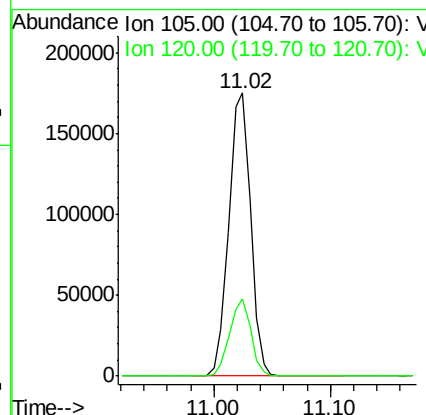
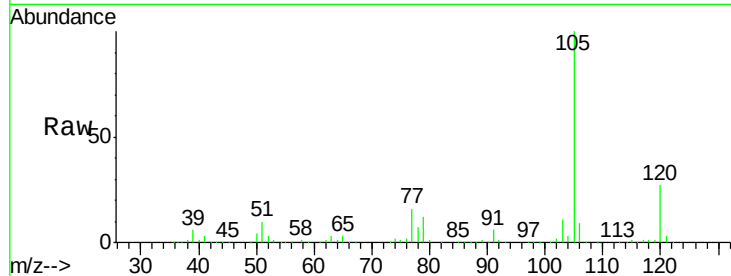
#73
Isopropylbenzene
Concen: 18.778 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion:105 Resp: 227228
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

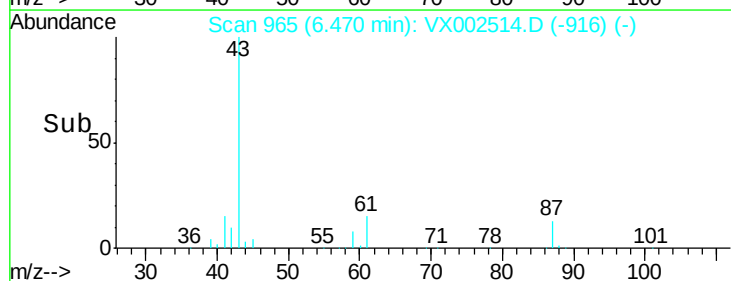
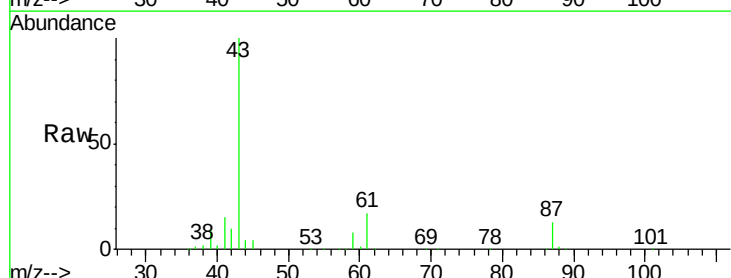
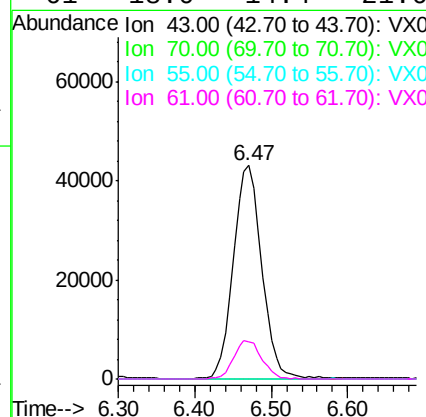
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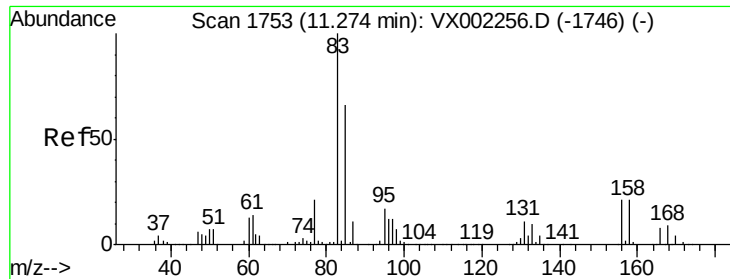
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#74
N-ethyl acetate
Concen: 16.978 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion: 43 Resp: 110703
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0#
61 18.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.298 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

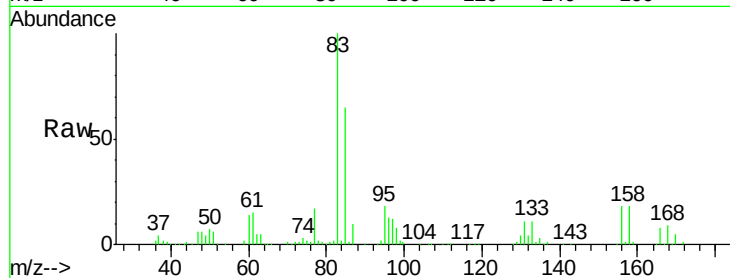
ClientSampleId :

VX0613WBSD01

Tot Ion:	83	Resp:	69640
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.6	16.8
85	64.2	32.4	97.2

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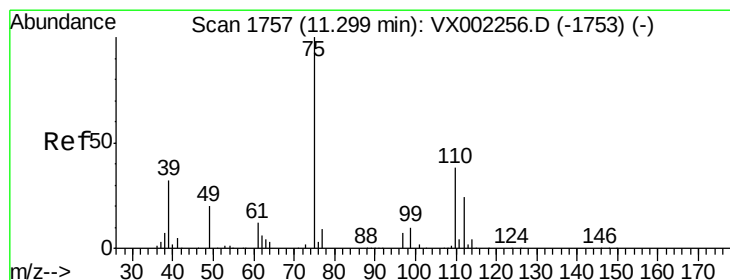
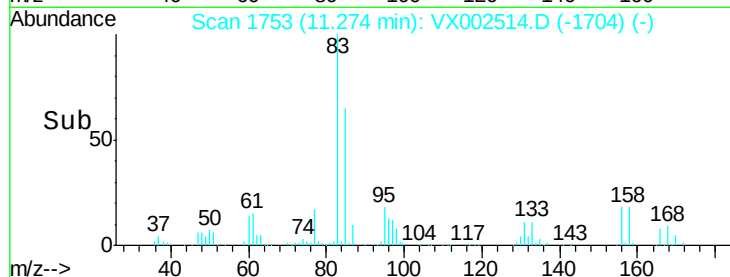
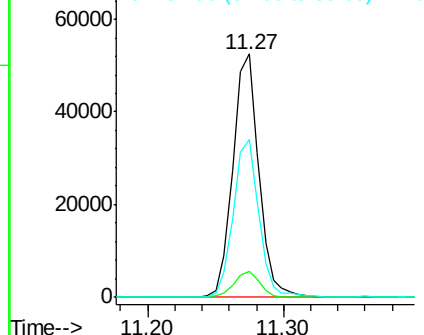
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.213 ug/l m

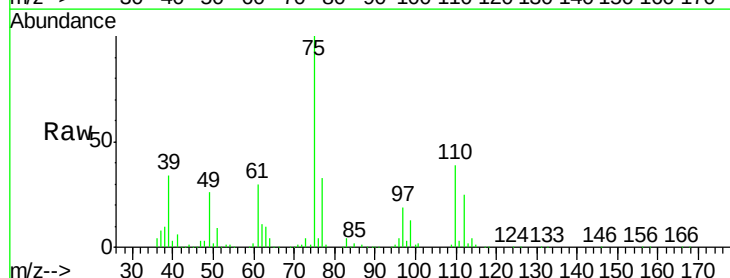
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002514.D

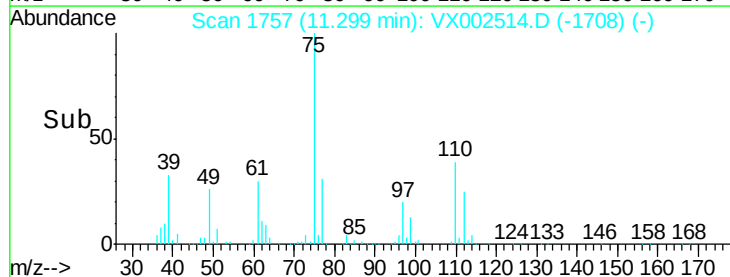
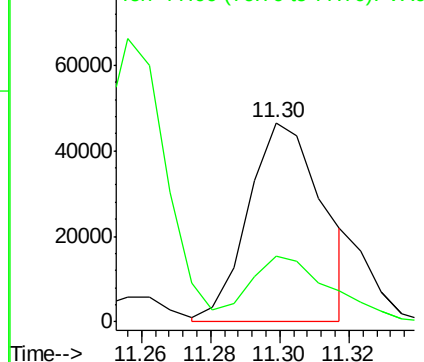
Acq: 13 Jun 2018 17:48

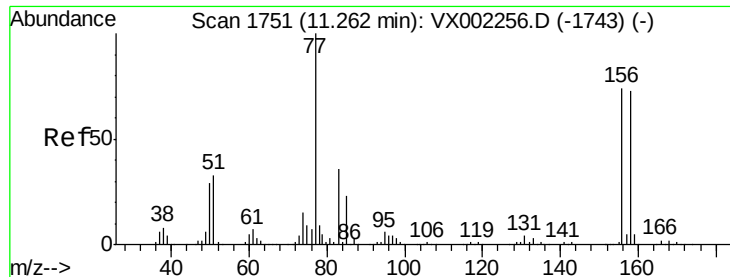
Tgt Ion:	75	Resp:	69517
Ion	Ratio	Lower	Upper
75	100		
77	36.3	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.980 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion:156 Resp: 61079

Ion Ratio Lower Upper

156 100

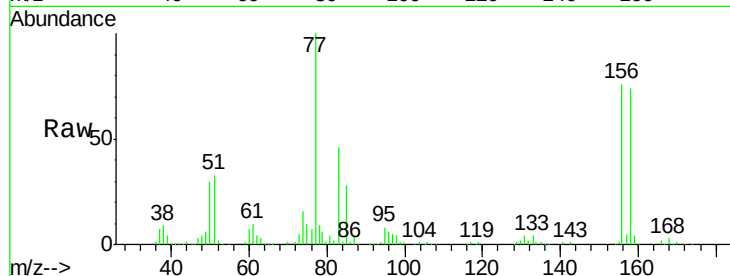
77 142.1 71.4 214.2

158 97.5 48.9 146.6

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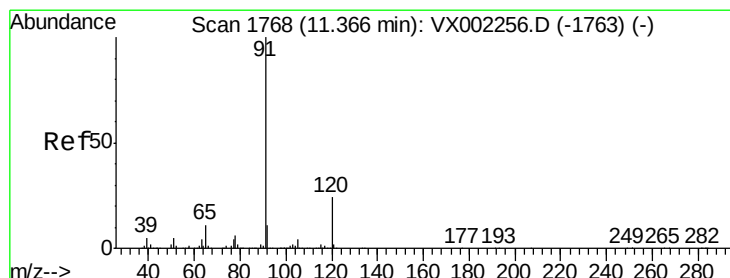
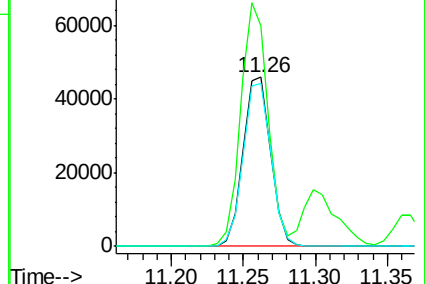
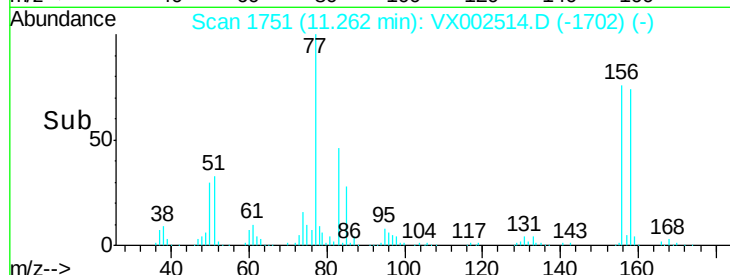
6/14/2018 11:29:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.269 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002514.D

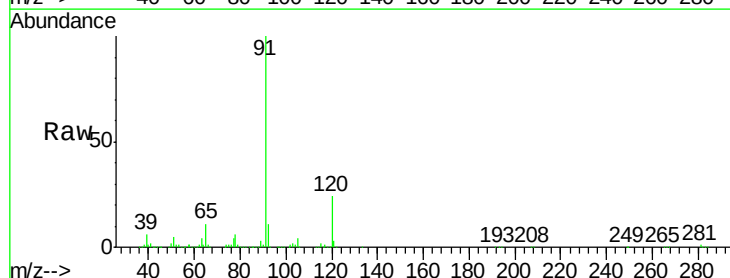
Acq: 13 Jun 2018 17:48

Tgt Ion: 91 Resp: 259161

Ion Ratio Lower Upper

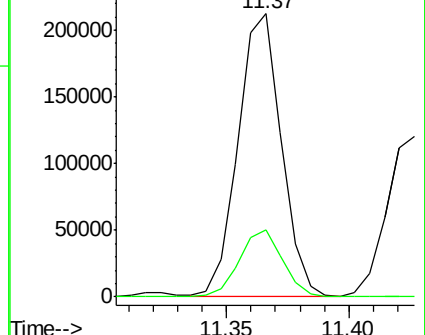
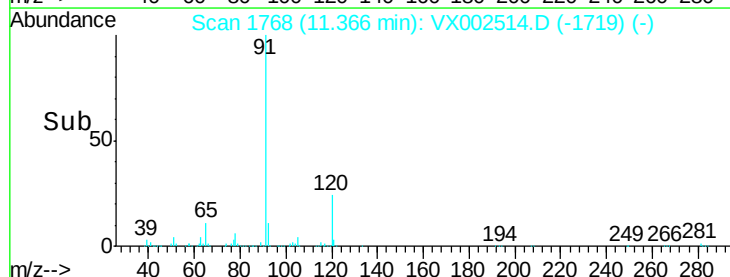
91 100

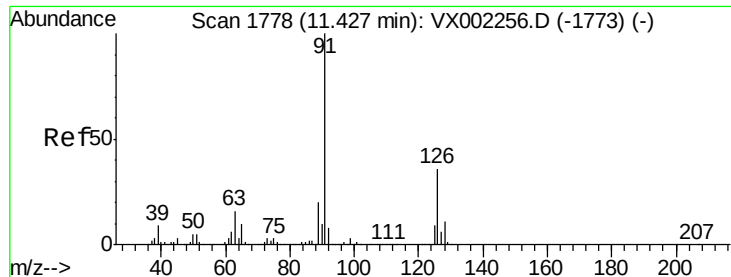
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.986 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBSD01

Tot Ion: 91 Resp: 152749

Ion Ratio Lower Upper

91 100

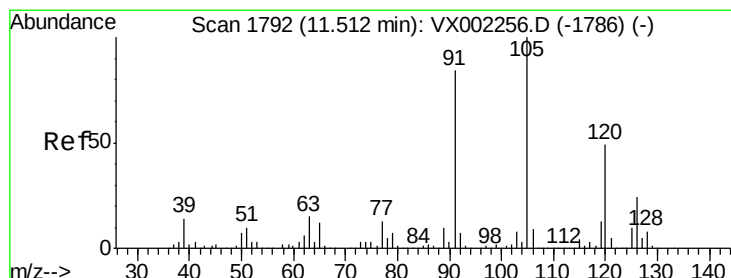
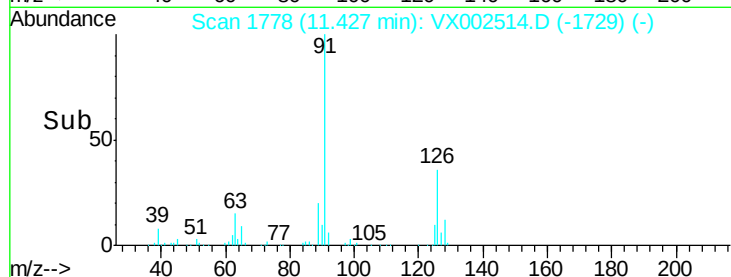
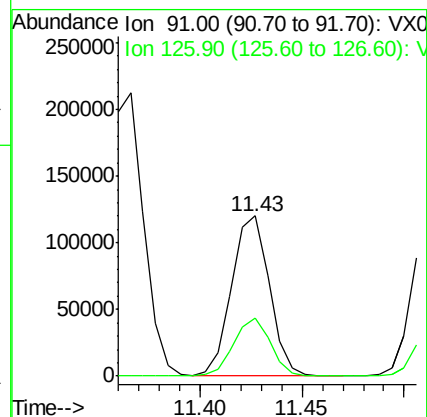
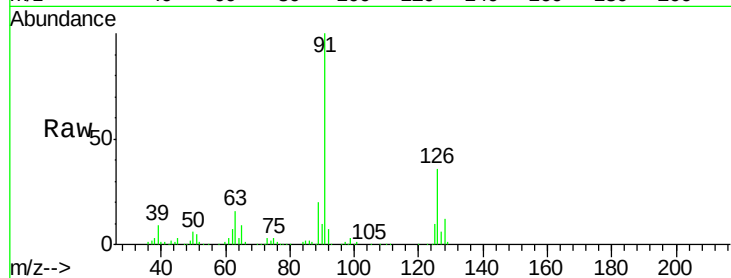
126 35.4 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.400 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002514.D

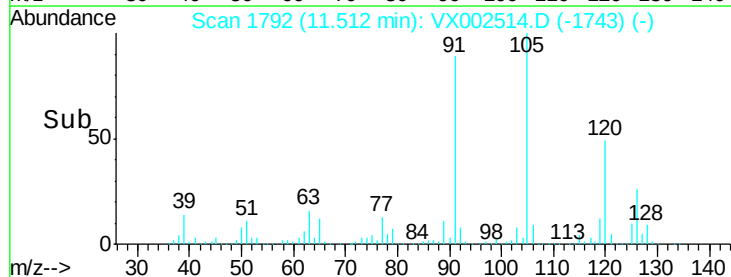
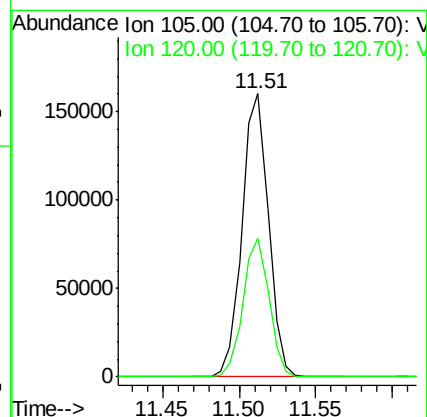
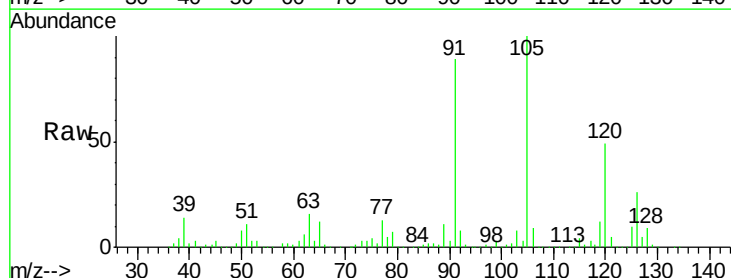
Acq: 13 Jun 2018 17:48

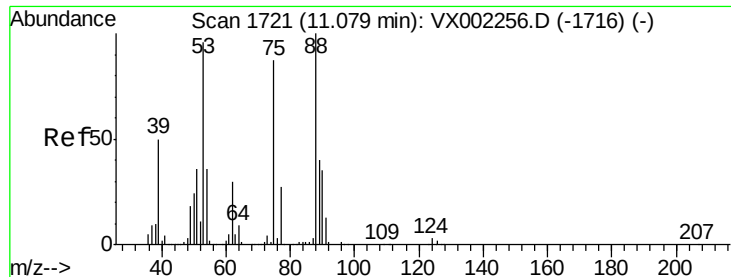
Tgt Ion: 105 Resp: 190969

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.4





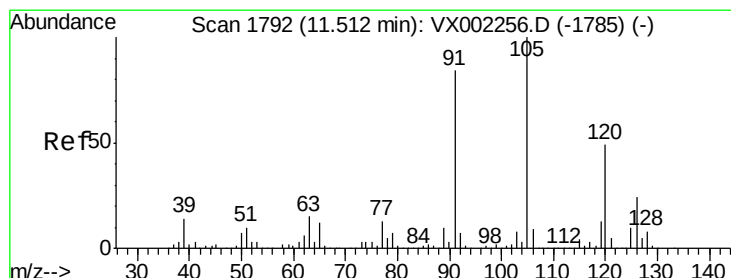
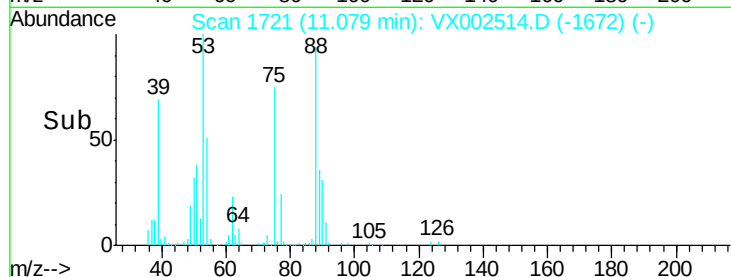
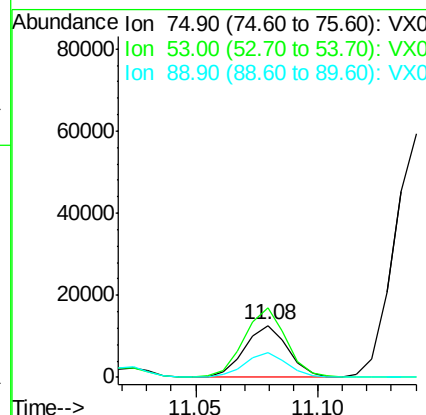
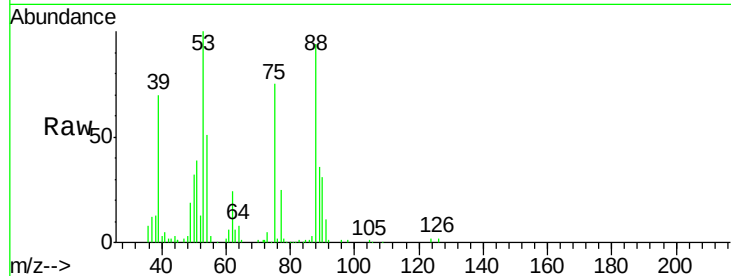
#81
trans-1,4-Dichloro-2-butene
Concen: 14.268 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBSD01

Tot Ion: 75 Resp: 15536
Ion Ratio Lower Upper
75 100
53 131.5 86.8 130.2#
89 47.7 38.2 57.2

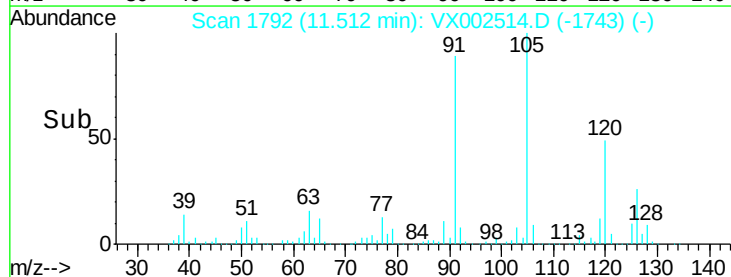
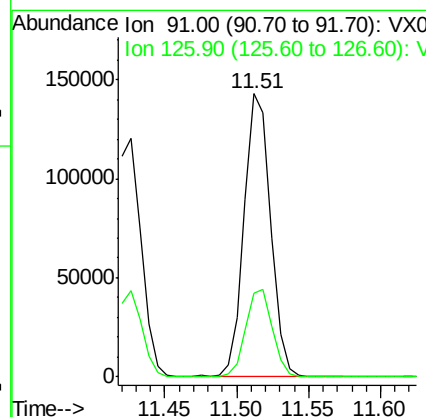
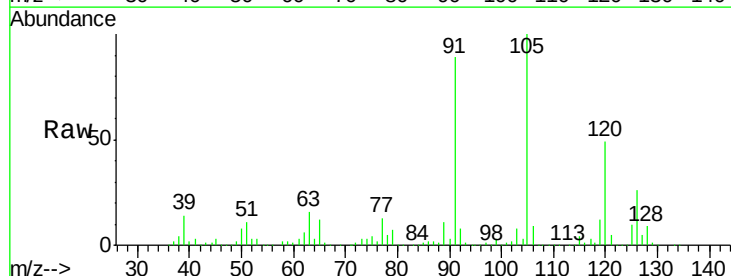
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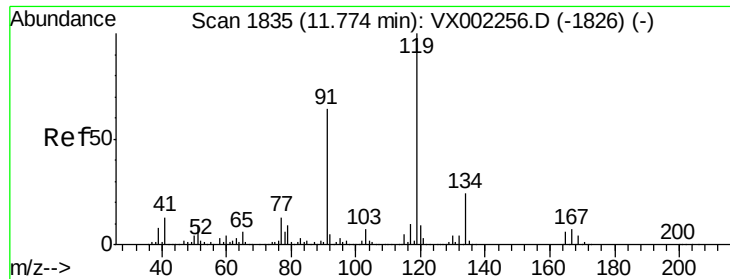
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.613 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002514.D
Acq: 13 Jun 2018 17:48

Tgt Ion: 91 Resp: 182454
Ion Ratio Lower Upper
91 100
126 30.8 15.4 46.4





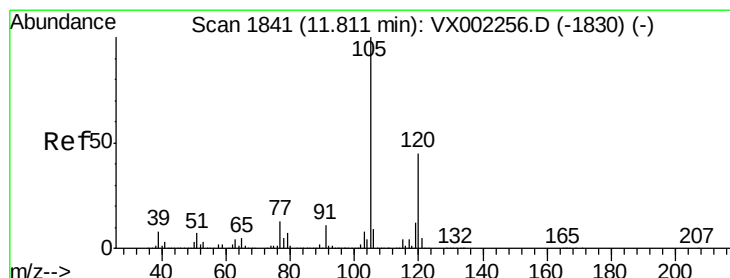
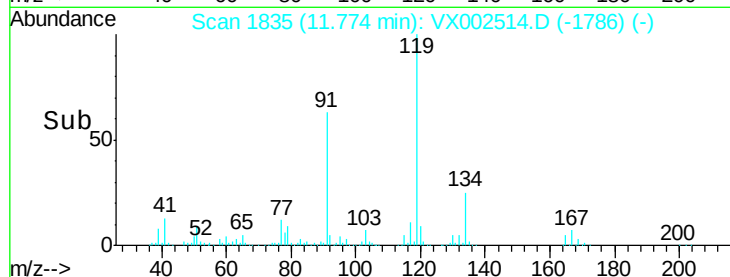
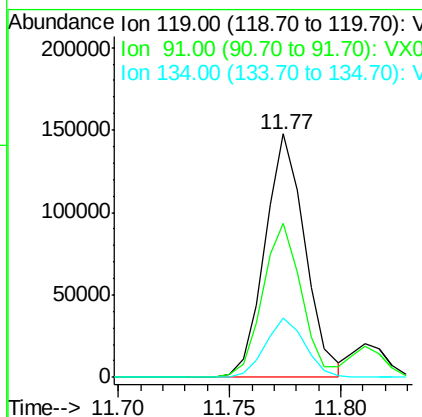
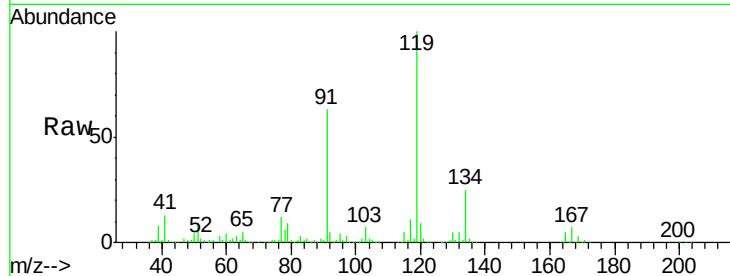
#83
 tert-Butylbenzene
 Concen: 18.270 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184657		
91	61.6	30.3	90.9	
134	24.3	11.7	35.1	

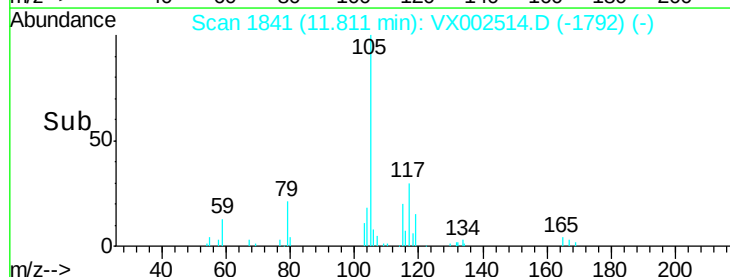
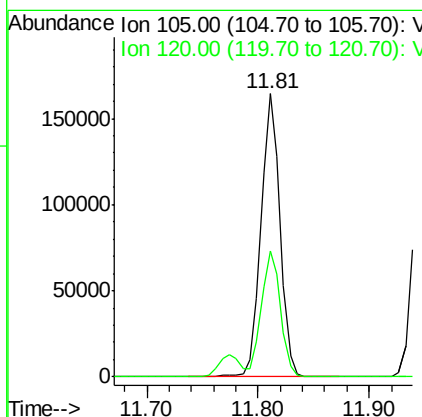
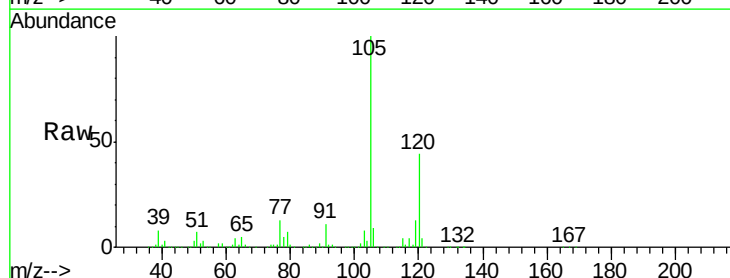
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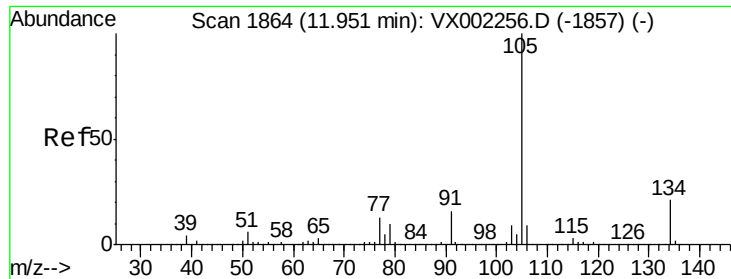
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.490 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	197547		
120	45.0	22.3	66.8	





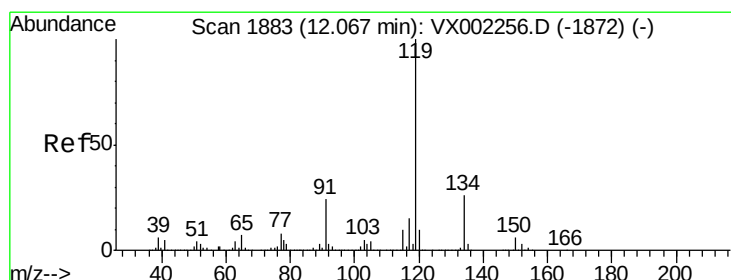
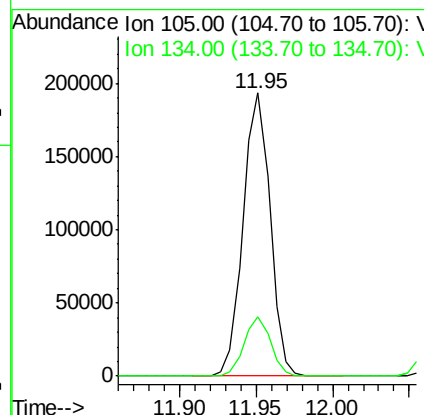
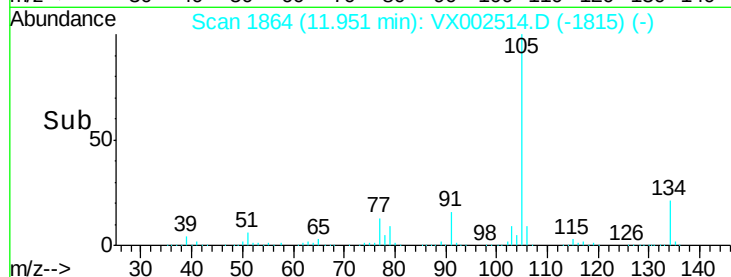
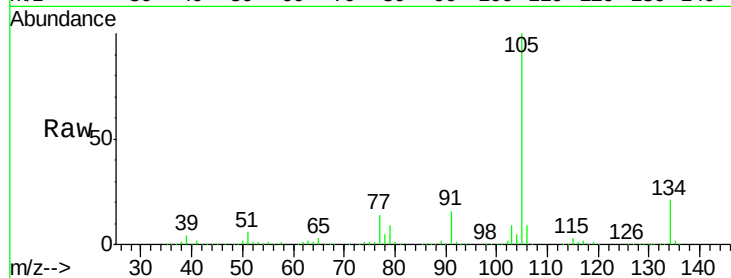
#85
 sec-Butylbenzene
 Concen: 19.981 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion:105 Resp: 236744
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

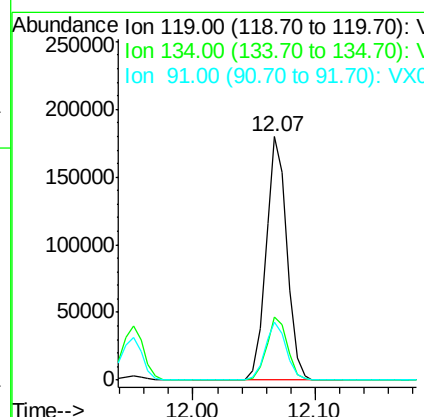
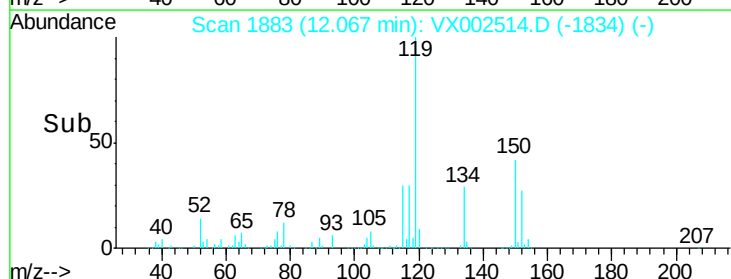
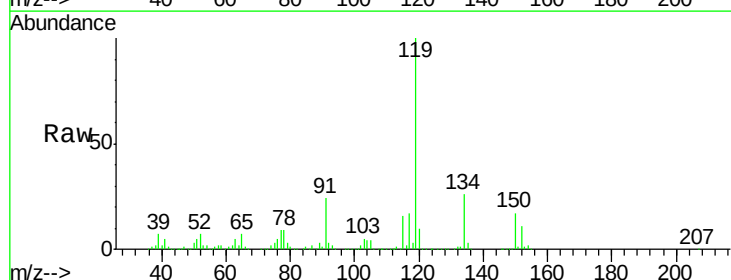
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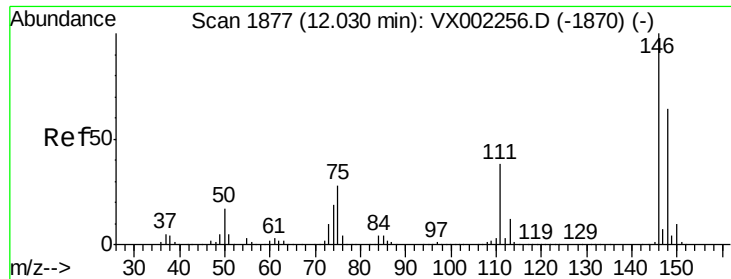
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#86
 p-Isopropyltoluene
 Concen: 19.755 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion:119 Resp: 213211
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 24.3 11.9 35.7





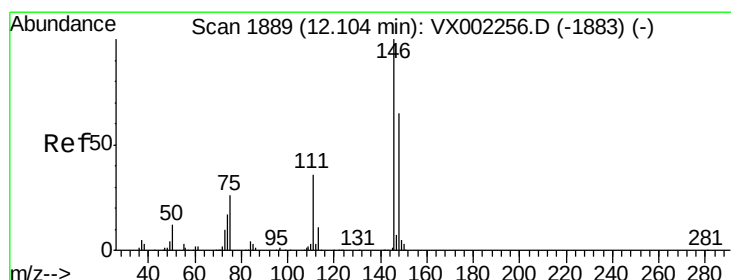
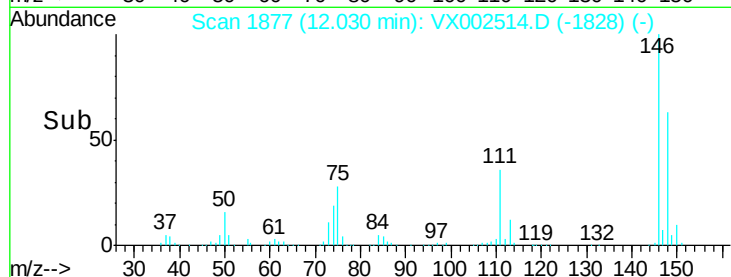
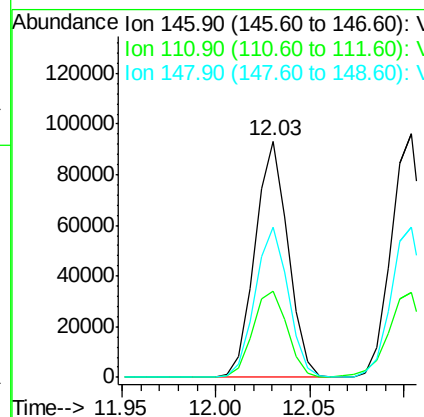
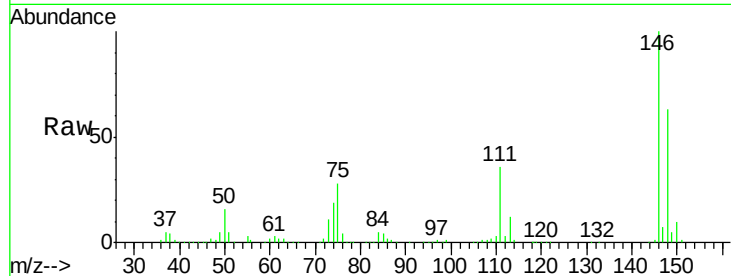
#87
 1,3-Dichlorobenzene
 Concen: 18.649 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.7
148	63.8	32.1	96.3

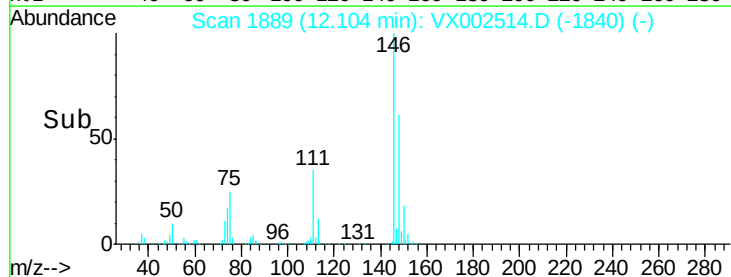
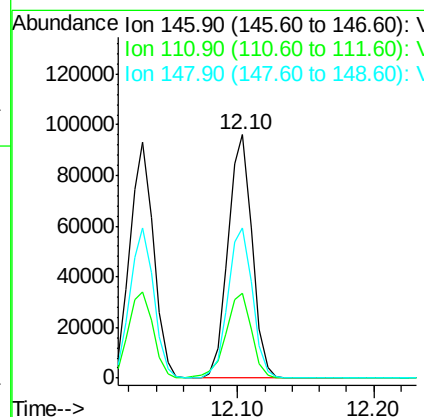
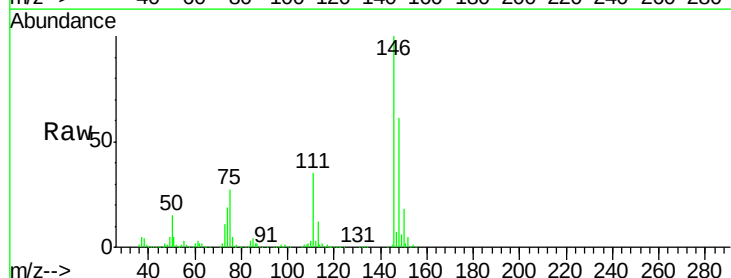
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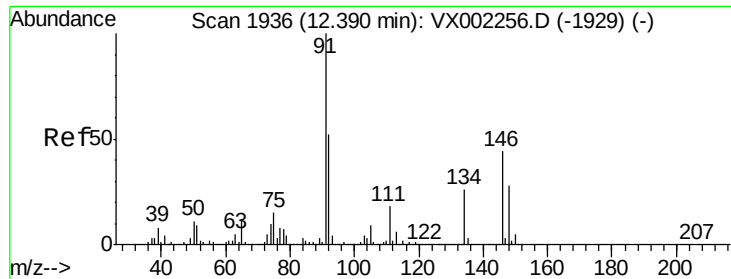
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 6/14/2018 11:29:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.784 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.3	32.4	97.0





#89

n-Butylbenzene

Concen: 20.859 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

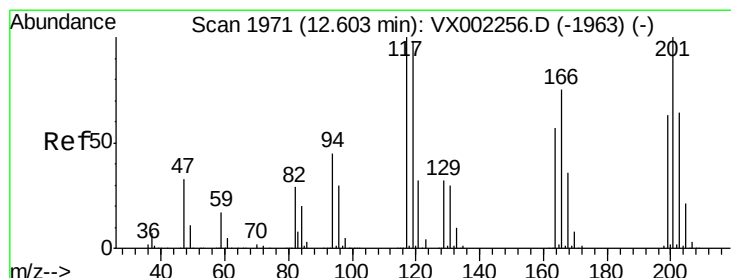
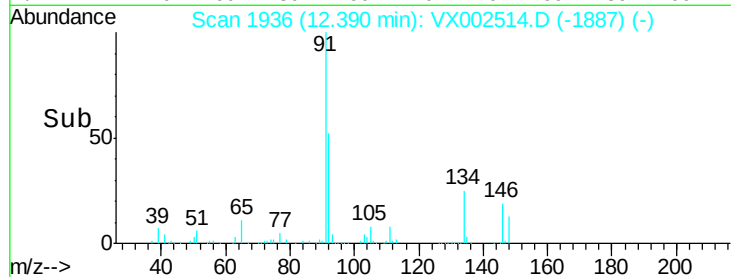
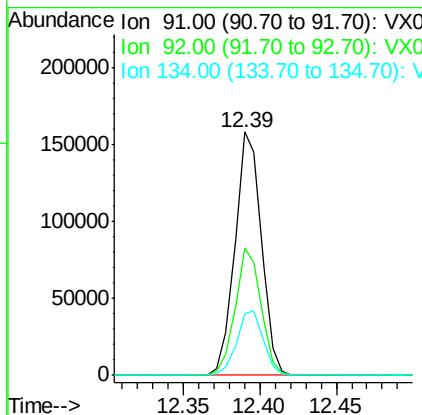
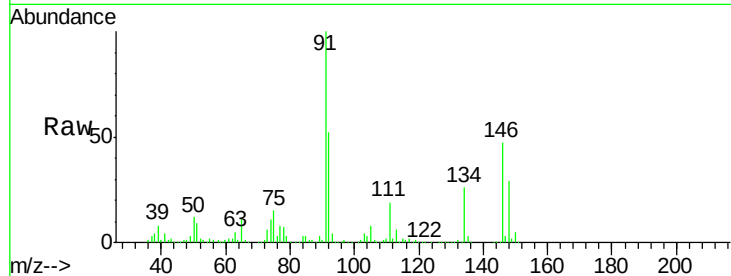
ClientSampleId :

VX0613WBSD01

Tot Ion:	91	Resp:	188806
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	26.8	13.5	40.5

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#90

Hexachloroethane

Concen: 16.366 ug/l

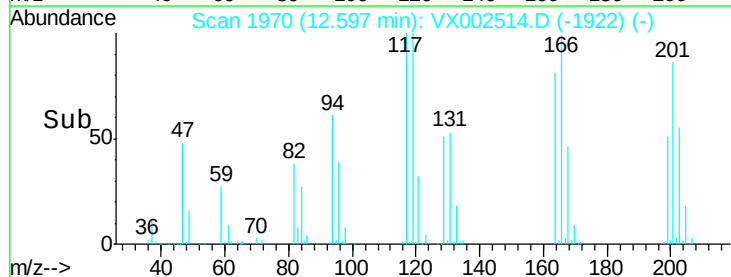
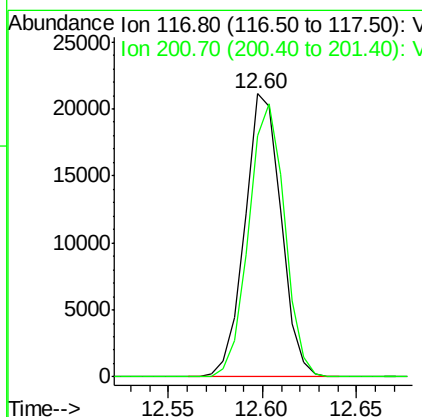
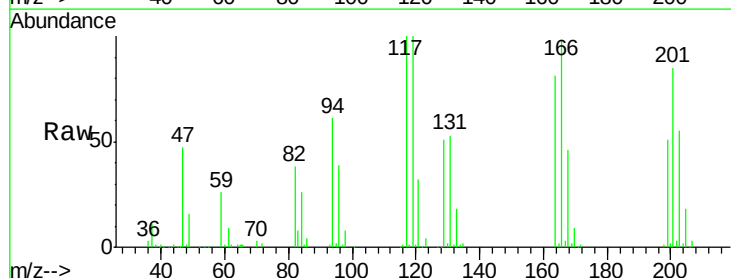
RT: 12.60 min Scan# 1970

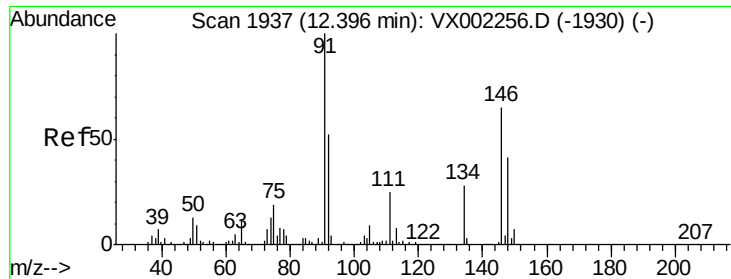
Delta R.T. -0.01 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	117	Resp:	28196
Ion	Ratio	Lower	Upper
117	100		
201	95.0	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 18.284 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

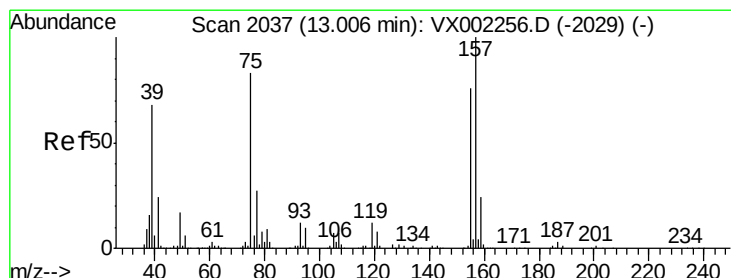
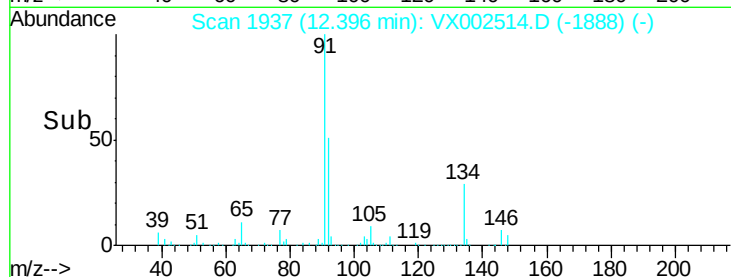
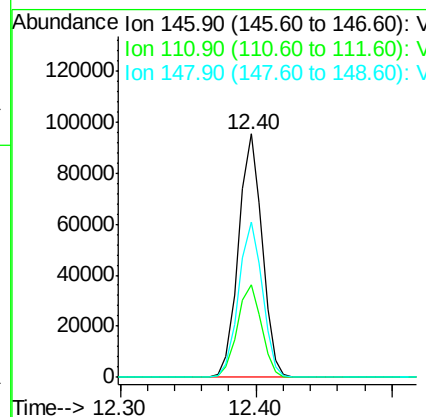
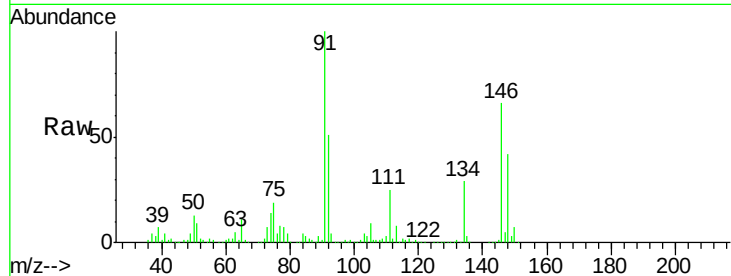
ClientSampleId :

VX0613WBSD01

Tot Ion:	146	Resp:	114910
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.4	58.1
148	64.4	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.693 ug/l

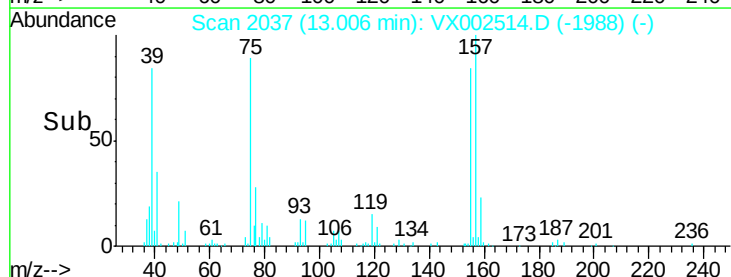
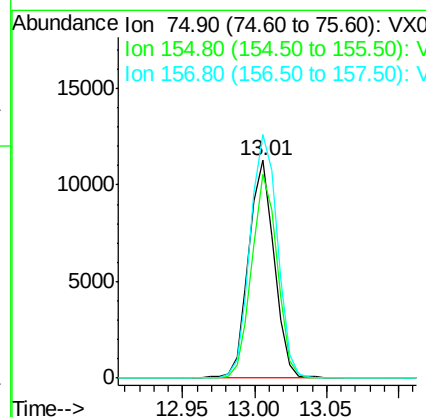
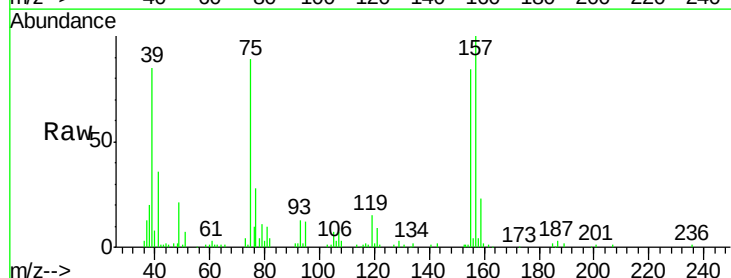
RT: 13.01 min Scan# 2037

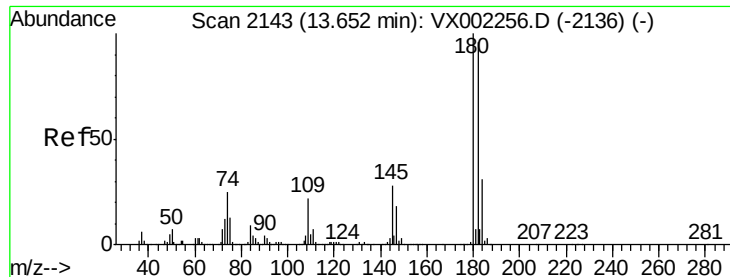
Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	75	Resp:	13893
Ion Ratio	Lower	Upper	
75	100		
155	92.3	45.8	137.4
157	118.1	60.1	180.3





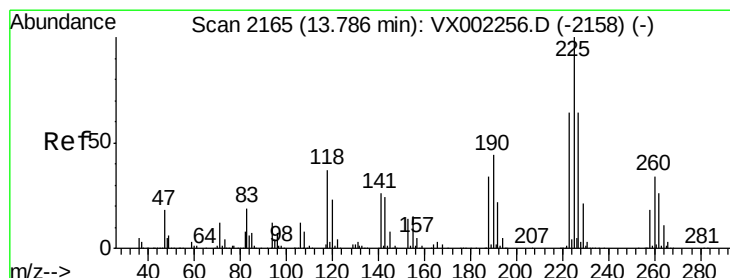
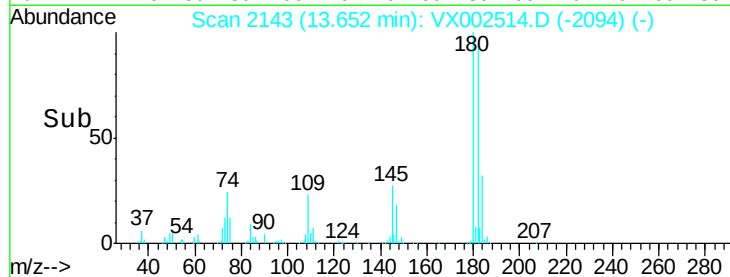
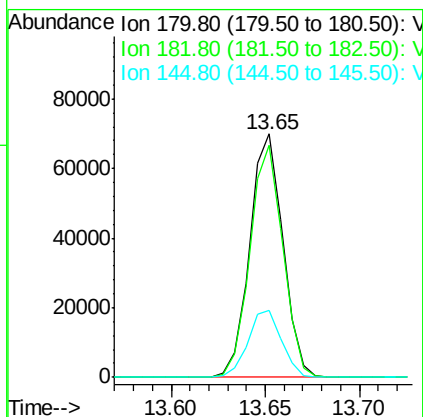
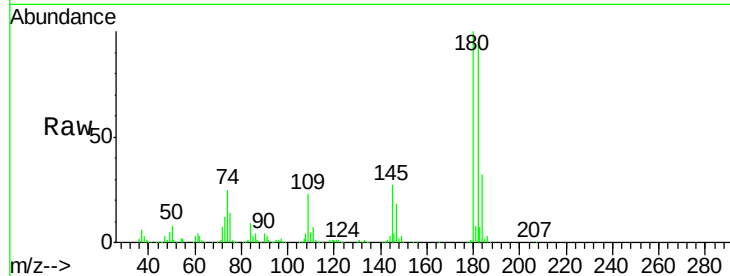
#93
 1,2,4-Trichlorobenzene
 Concen: 19.360 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.7	143.1
145	28.0	14.1	42.4

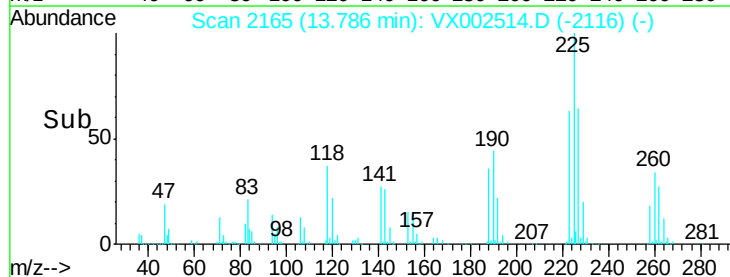
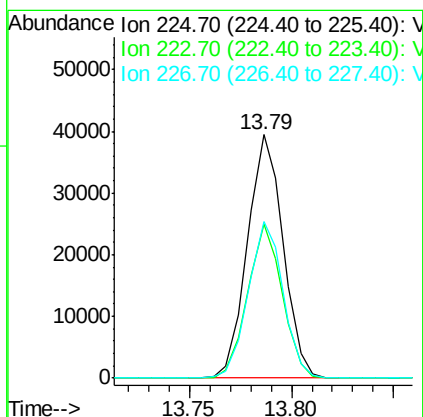
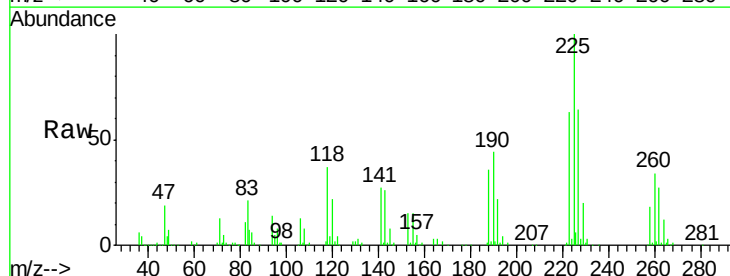
Manual Integrations
 APPROVED

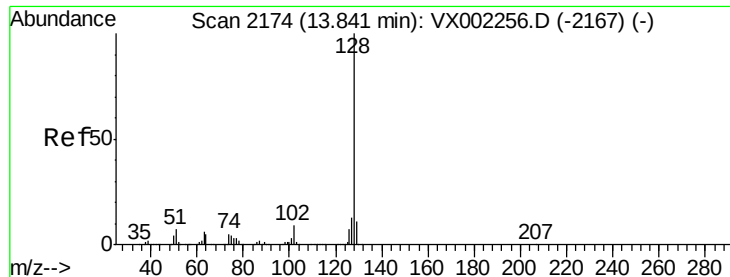
MMDadoda
 6/14/2018 11:29:26 AM



#94
 Hexachlorobutadiene
 Concen: 21.982 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002514.D
 Acq: 13 Jun 2018 17:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.6	95.0
227	63.0	32.4	97.2





#95

Naphthalene

Concen: 18.722 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Instrument :

MSVOA_X

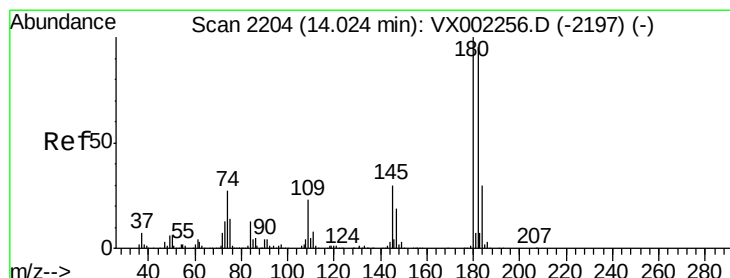
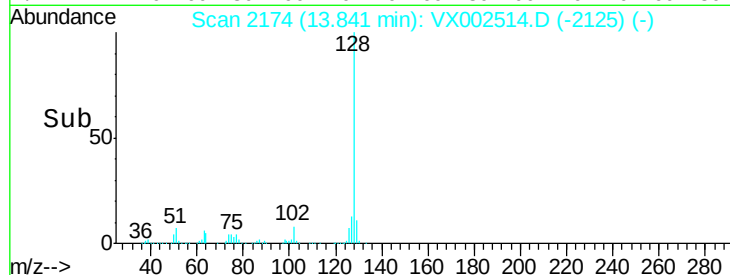
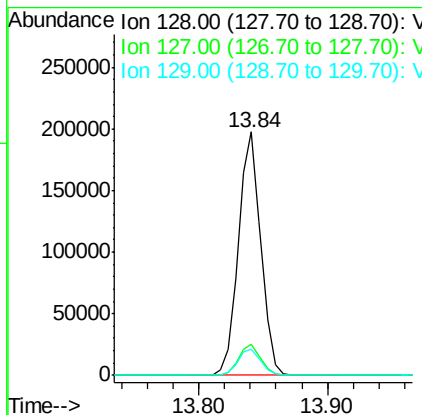
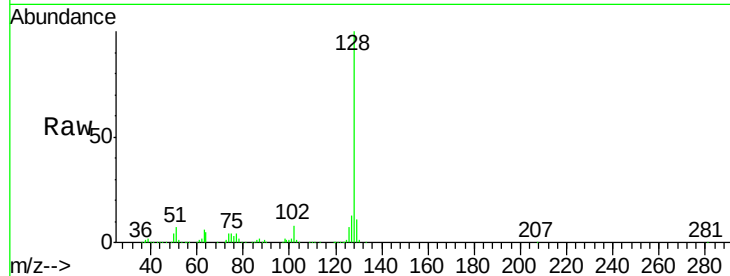
ClientSampleId :

VX0613WBSD01

Tot Ion:	128	Resp:	237042
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.322 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002514.D

Acq: 13 Jun 2018 17:48

Tgt Ion:	180	Resp:	86837
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.0	144.0
145	29.9	14.8	44.3

