

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006418.D
 Acq On : 11 Dec 2018 14:11
 Operator : JC/MD
 Sample : VX1211WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:02 AM

Quant Time: Dec 12 04:53:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	673484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	991223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	468792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	335768	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	5.50	113	315057	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	8.71	98	1155383	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	438330	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123351	18.706	ug/l	100
3) Chloromethane	1.33	50	118442	17.478	ug/l	93
4) Vinyl Chloride	1.41	62	131258	17.997	ug/l	98
5) Bromomethane	1.64	94	114460	22.645	ug/l	99
6) Chloroethane	1.72	64	86390	19.319	ug/l	95
7) Trichlorofluoromethane	1.93	101	207968	18.576	ug/l	98
8) Diethyl Ether	2.19	74	78538	18.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	121045	19.014	ug/l	99
10) Methyl Iodide	2.51	142	180008	18.763	ug/l	97
11) Tert butyl alcohol	3.07	59	177749	94.537	ug/l	99
12) 1,1-Dichloroethene	2.37	96	112773	18.505	ug/l	94
13) Acrolein	2.29	56	98524	95.873	ug/l	100
14) Allyl chloride	2.73	41	200298	16.638	ug/l	97
15) Acrylonitrile	3.15	53	369339	94.134	ug/l	99
16) Acetone	2.45	43	316809	98.190	ug/l	98
17) Carbon Disulfide	2.57	76	280211	14.922	ug/l	100
18) Methyl Acetate	2.78	43	213473	19.784	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	414323	19.058	ug/l	100
20) Methylene Chloride	2.86	84	128952	18.779	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	118199	18.200	ug/l	96
22) Diisopropyl ether	3.87	45	357145	18.994	ug/l	92
23) Vinyl Acetate	3.82	43	1456527	90.819	ug/l	100
24) 1,1-Dichloroethane	3.70	63	205820	19.151	ug/l	99
25) 2-Butanone	4.70	43	442208	96.054	ug/l	96
26) 2,2-Dichloropropane	4.59	77	171233	17.264	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	142203	19.630	ug/l	96
28) Bromochloromethane	5.02	49	92076	19.614	ug/l	97
29) Tetrahydrofuran	5.15	42	294556	92.061	ug/l	97
30) Chloroform	5.21	83	219215	19.409	ug/l	97
31) Cyclohexane	5.57	56	178302	17.952	ug/l #	90
32) 1,1,1-Trichloroethane	5.50	97	197509	18.380	ug/l	99
36) 1,1-Dichloropropene	5.80	75	153914	18.439	ug/l	100
37) Ethyl Acetate	4.85	43	171474	18.344	ug/l	98
38) Carbon Tetrachloride	5.79	117	171343	17.449	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	200343	18.491	ug/l	98
40) Benzene	6.14	78	484073	19.363	ug/l	99
41) Methacrylonitrile	5.06	41	94210	18.316	ug/l	98
42) 1,2-Dichloroethane	6.20	62	161193	19.701	ug/l	99
43) Isopropyl Acetate	6.46	43	281933	18.090	ug/l	99
44) Trichloroethene	7.21	130	146967	19.405	ug/l	94
45) 1,2-Dichloropropane	7.52	63	119570	18.818	ug/l	98
46) Dibromomethane	7.66	93	88373	19.258	ug/l	98
47) Bromodichloromethane	7.90	83	154881	17.429	ug/l	99
48) Methyl methacrylate	7.77	41	136875	18.053	ug/l	97
49) 1,4-Dioxane	7.75	88	74969	401.181	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	871877	96.097	ug/l	98
52) Toluene	8.78	92	316728	19.257	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	170567	16.412	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	190318	17.635	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	135951	20.346	ug/l	99
56) Ethyl methacrylate	9.18	69	197976	18.952	ug/l	97
57) 1,3-Dichloropropane	9.37	76	211475	20.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	505633	95.387	ug/l	99
59) 2-Hexanone	9.49	43	661504	95.432	ug/l	98
60) Dibromochloromethane	9.59	129	136571	16.575	ug/l	100
61) 1,2-Dibromoethane	9.67	107	141155	18.893	ug/l	99
64) Tetrachloroethene	9.34	164	134739	19.795	ug/l	98
65) Chlorobenzene	10.14	112	377488	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	137622	18.461	ug/l	99
67) Ethyl Benzene	10.25	91	606413	19.003	ug/l	98
68) m/p-Xylenes	10.36	106	488819	38.240	ug/l	99
69) o-Xylene	10.70	106	242150	19.178	ug/l	100
70) Styrene	10.71	104	391277	19.160	ug/l	100
71) Bromoform	10.86	173	105728	15.024	ug/l #	100
73) Isopropylbenzene	11.02	105	641071	19.802	ug/l	99
74) N-amyl acetate	10.90	43	250516	17.970	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	201601	19.465	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	191325m	21.145	ug/l	
77) Bromobenzene	11.26	156	176582	19.654	ug/l	99
78) n-propylbenzene	11.36	91	691025	19.202	ug/l	99
79) 2-Chlorotoluene	11.42	91	423510	19.800	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	532543	19.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57626	14.945	ug/l	89
82) 4-Chlorotoluene	11.51	91	488428	19.640	ug/l	99
83) tert-Butylbenzene	11.77	119	561614	19.541	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	564412	20.292	ug/l	100
85) sec-Butylbenzene	11.94	105	644042	19.698	ug/l	98
86) p-Isopropyltoluene	12.06	119	578565	19.651	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	314269	19.658	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	313910	19.346	ug/l	98
89) n-Butylbenzene	12.39	91	475645	18.934	ug/l	99
90) Hexachloroethane	12.60	117	95428	15.903	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	316590	19.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43788	16.493	ug/l	95

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ClientSampleId :
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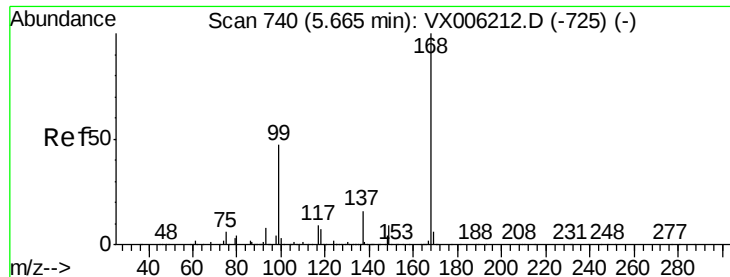
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	218881	18.909	ug/l	99
94) Hexachlorobutadiene	13.79	225	98909	19.322	ug/l	99
95) Naphthalene	13.83	128	706158	19.612	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	223177	19.466	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion:168 Resp: 673484

Ion Ratio Lower Upper

168 100

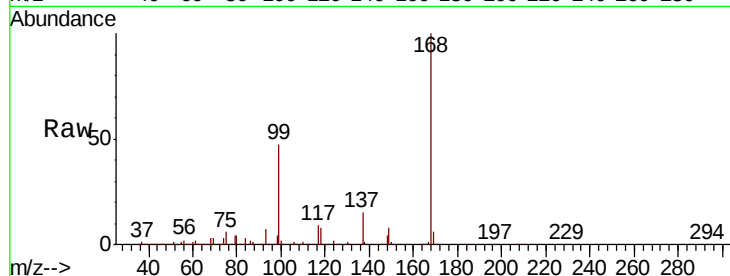
99 47.2 37.8 56.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

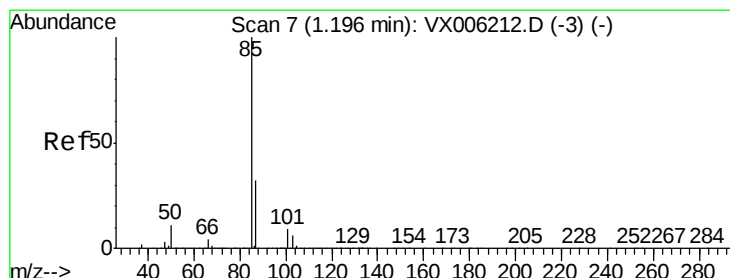
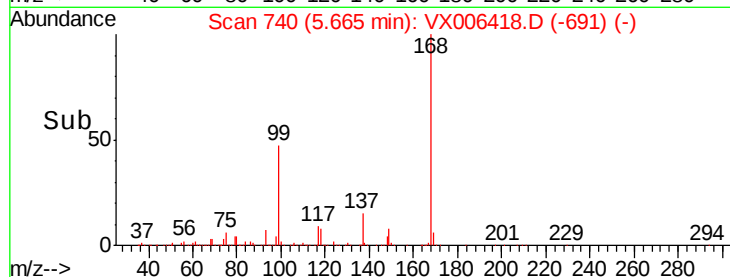
50000

0

5.50 5.60 5.70 5.80

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 18.706 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006418.D

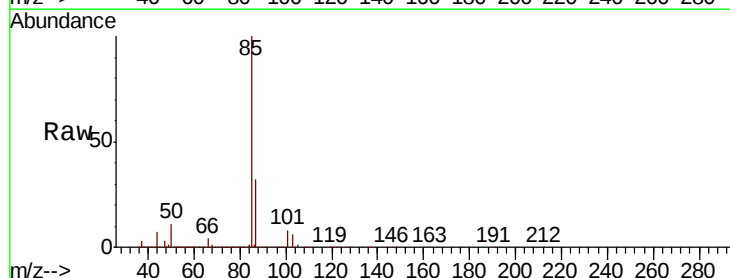
Acq: 11 Dec 2018 14:11

Tgt Ion: 85 Resp: 123351

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

40000

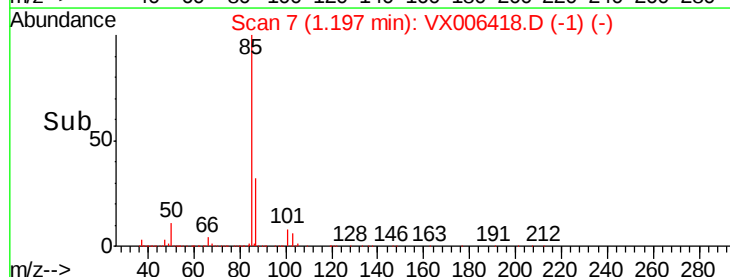
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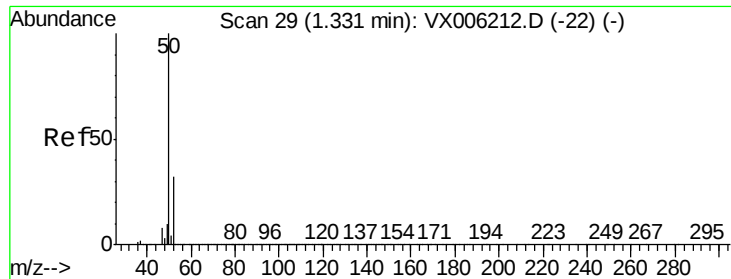
0

1.15 1.20 1.25 1.30

1.20

Time-->





#3

Chloromethane

Concen: 17.478 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 50 Resp: 118442

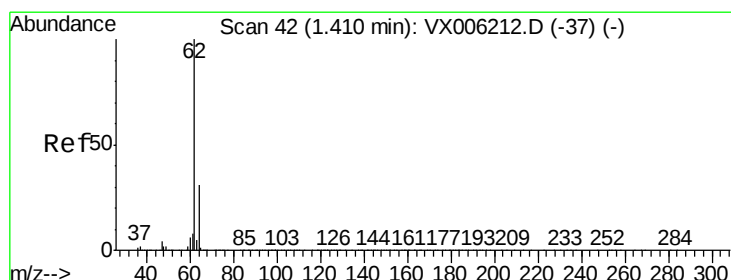
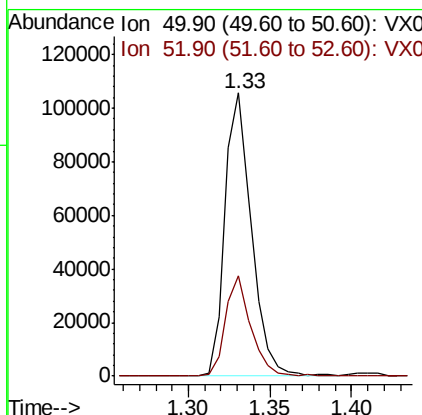
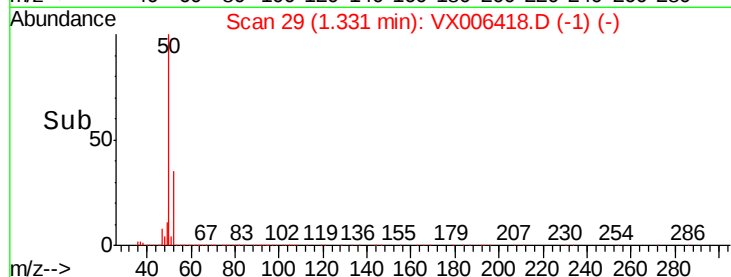
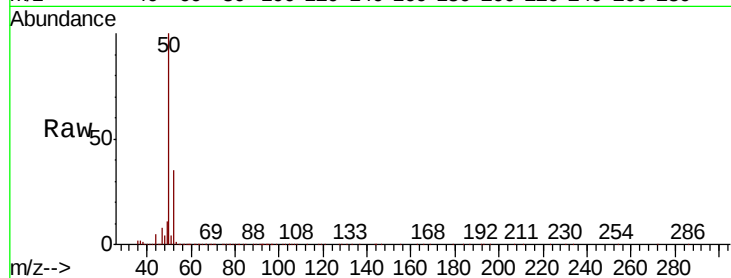
Ion Ratio Lower Upper

50 100

52 35.4 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.997 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006418.D

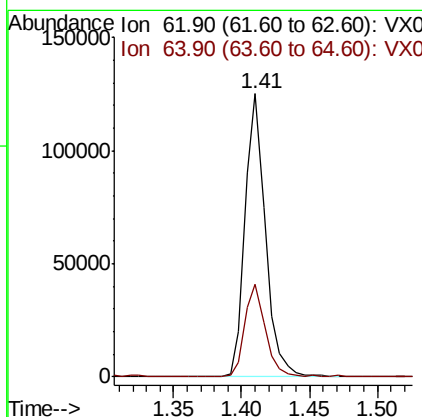
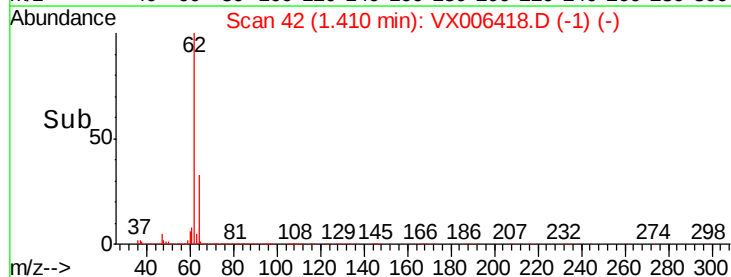
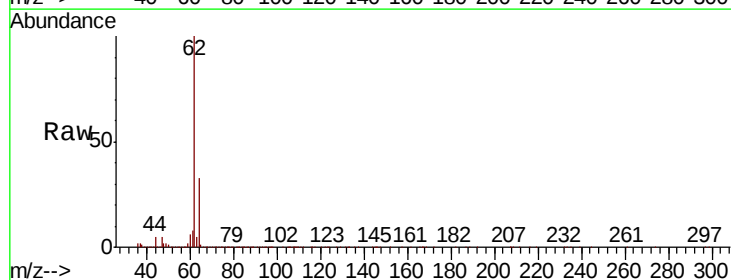
Acq: 11 Dec 2018 14:11

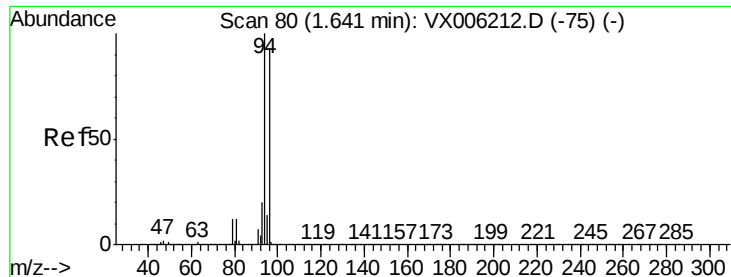
Tgt Ion: 62 Resp: 131258

Ion Ratio Lower Upper

62 100

64 32.5 24.9 37.3





#5

Bromomethane

Concen: 22.645 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 94 Resp: 114460

Ion Ratio Lower Upper

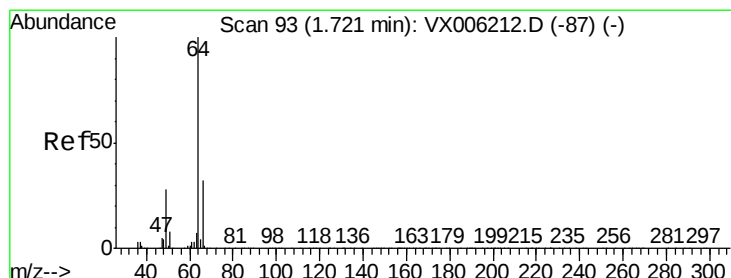
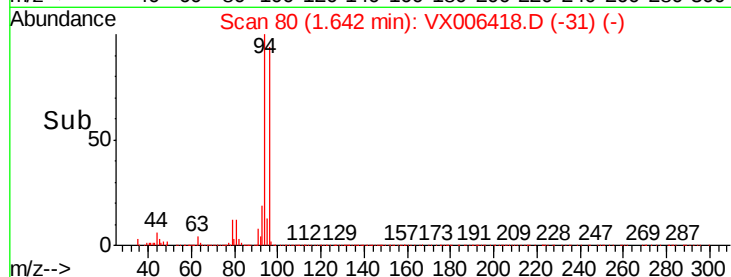
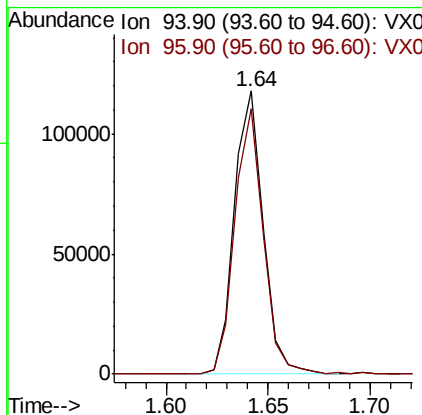
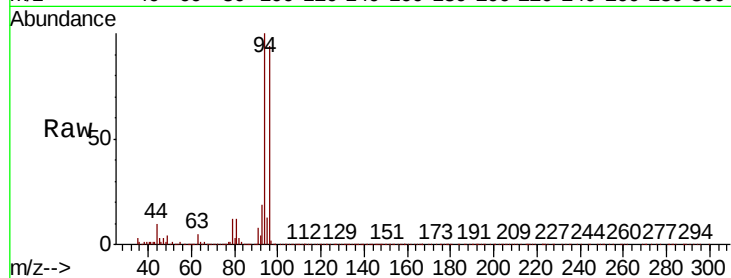
94 100

96 93.8 74.5 111.7

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#6

Chloroethane

Concen: 19.319 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006418.D

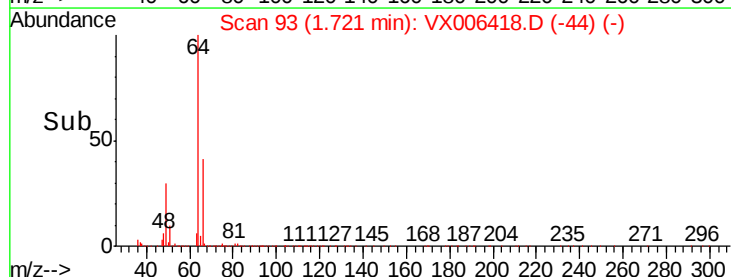
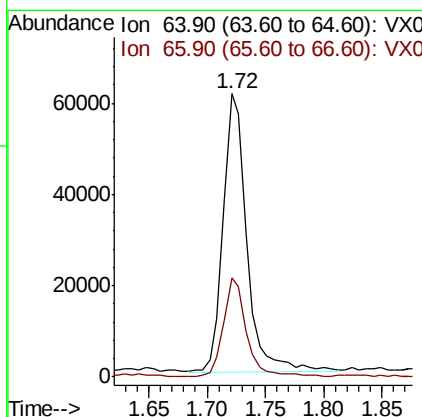
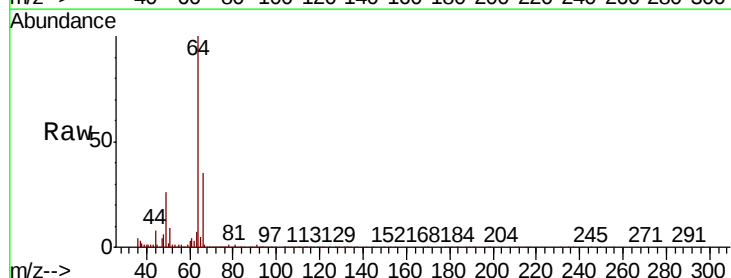
Acq: 11 Dec 2018 14:11

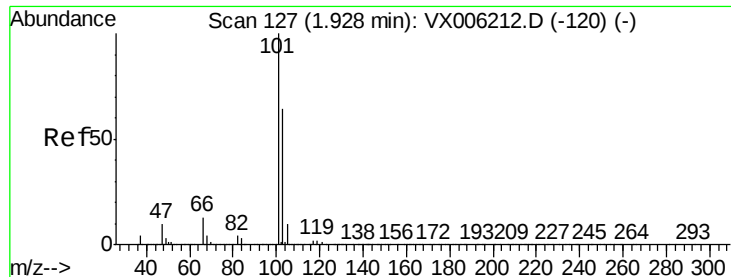
Tgt Ion: 64 Resp: 86390

Ion Ratio Lower Upper

64 100

66 35.2 25.9 38.9





#7

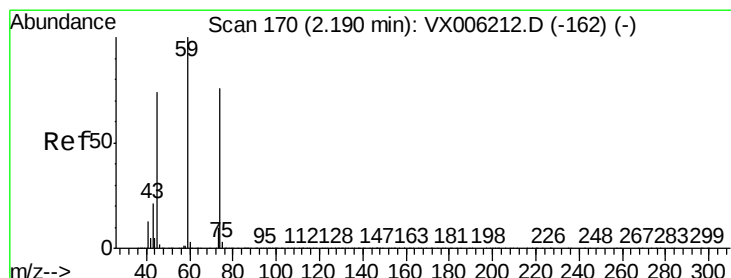
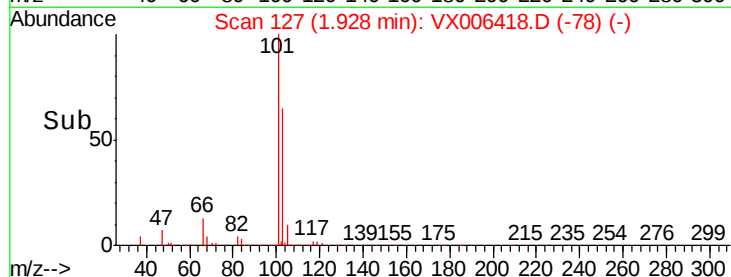
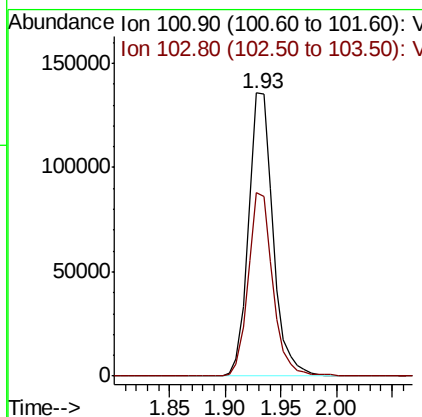
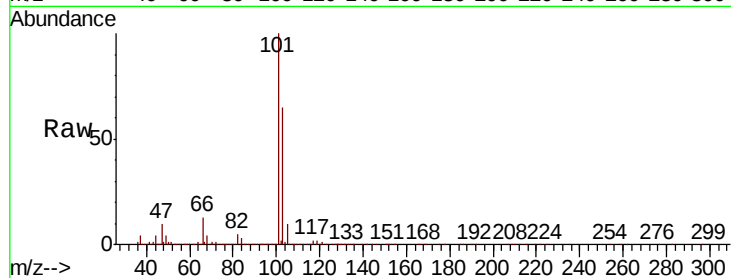
Trichlorofluoromethane
Concen: 18.576 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.4

Manual Integrations
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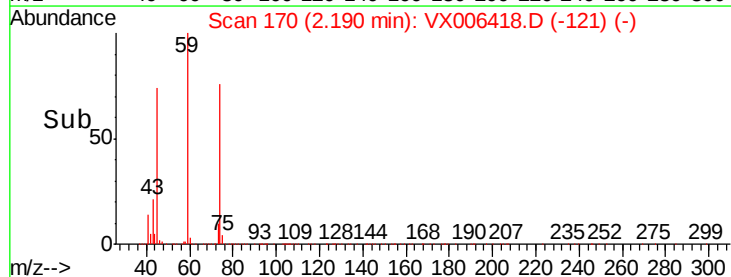
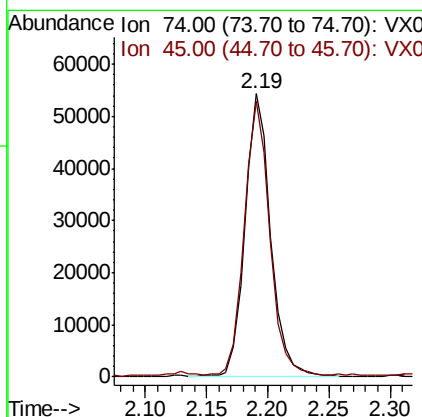
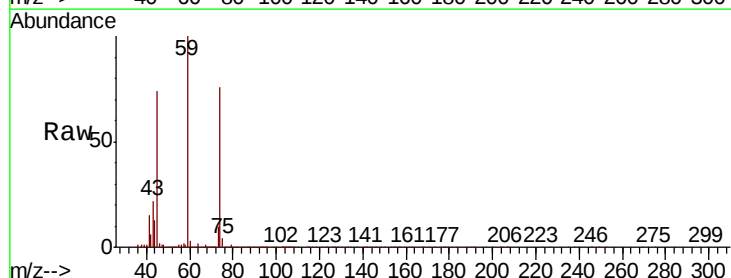
MMDadoda
12/12/2018 10:40:02 AM

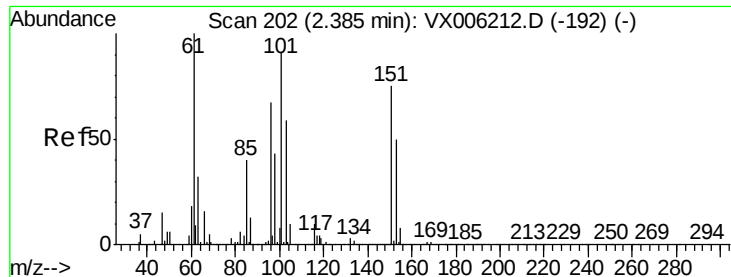


#8

Diethyl Ether
Concen: 18.536 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.014 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

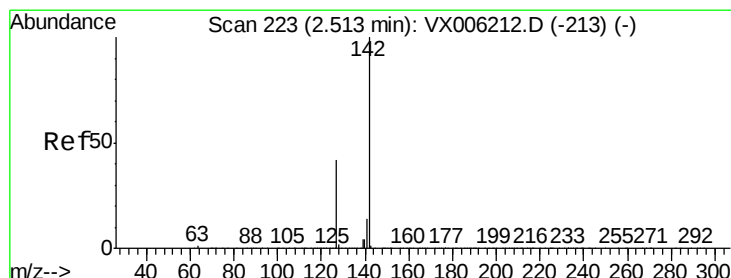
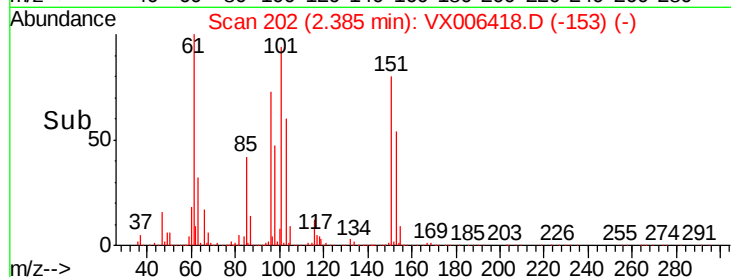
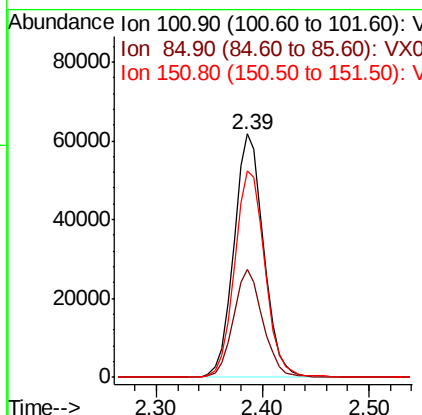
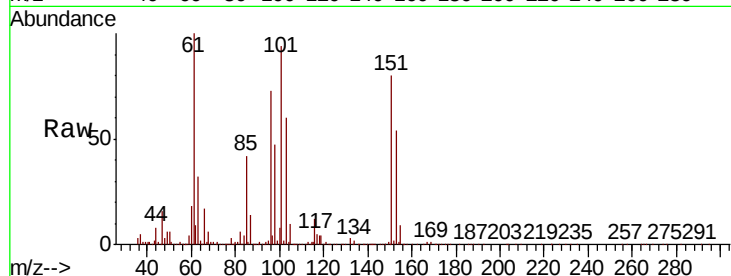
ClientSampleId :

VX1211WBS01

Tot Ion:	101	Resp:	121045
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	86.4	68.6	103.0

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#10

Methyl Iodide

Concen: 18.763 ug/l

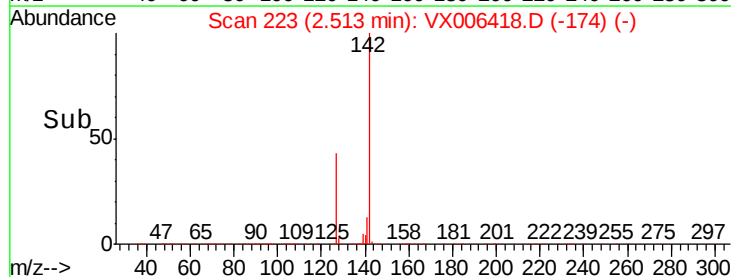
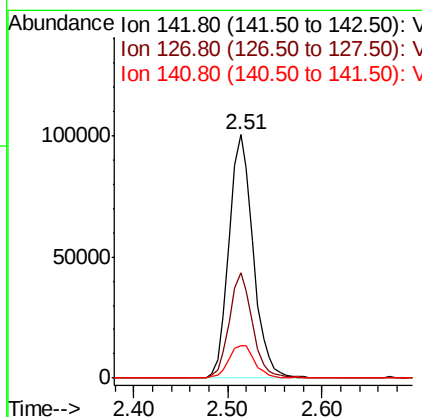
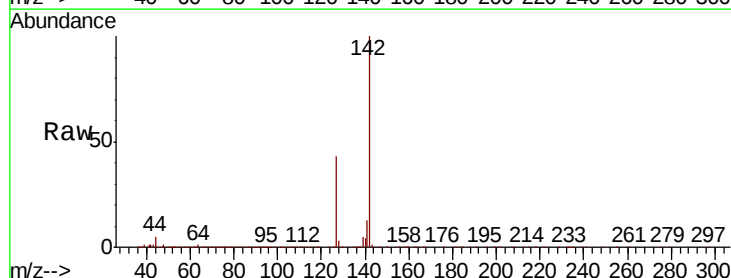
RT: 2.51 min Scan# 223

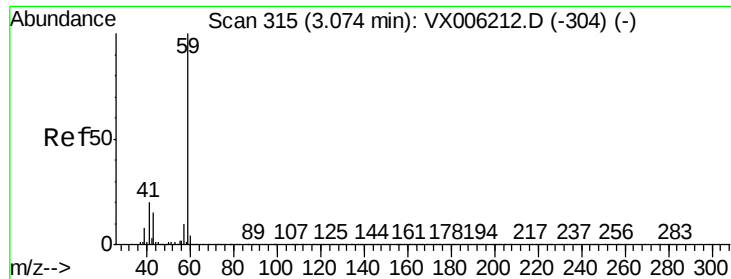
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	142	Resp:	180008
Ion Ratio	Lower	Upper	
142	100		
127	41.3	34.8	52.2
141	13.9	11.4	17.2





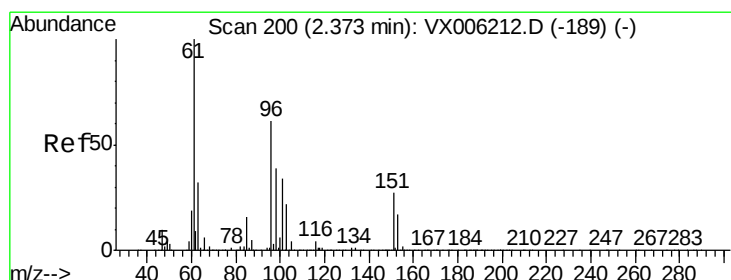
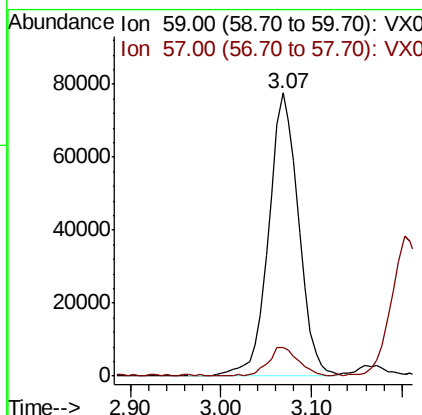
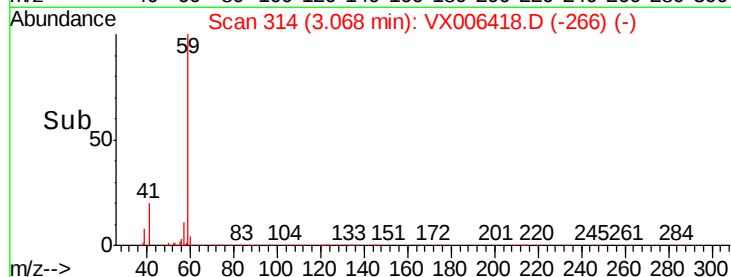
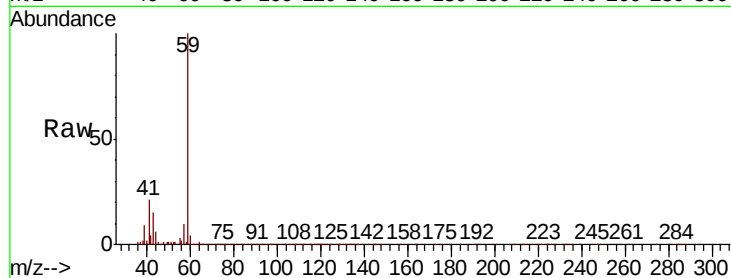
#11
Tert butyl alcohol
Concen: 94.537 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

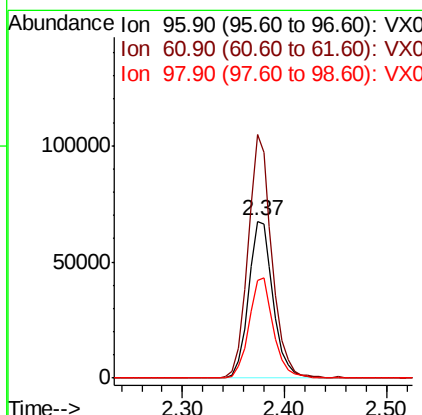
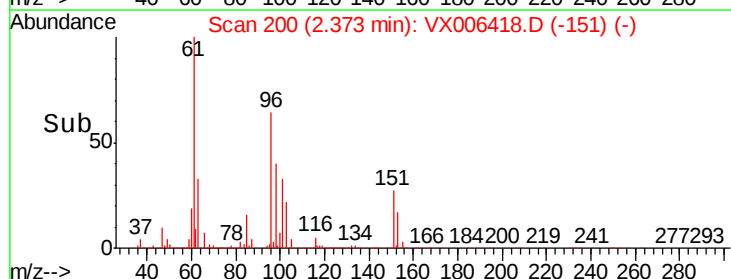
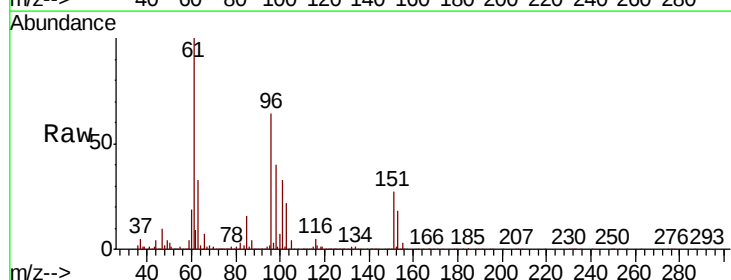
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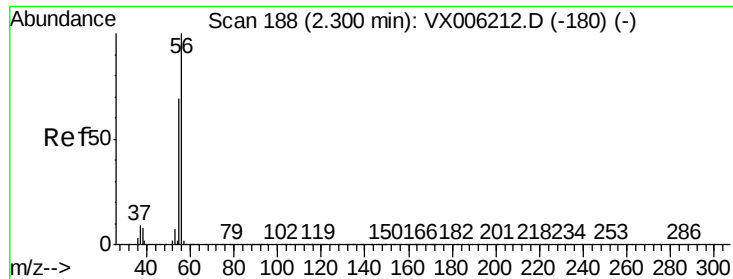
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.505 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	131.7	197.5
98	62.2	51.8	77.6





#13

Acrolein

Concen: 95.873 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 56 Resp: 98524

Ion Ratio Lower Upper

56 100

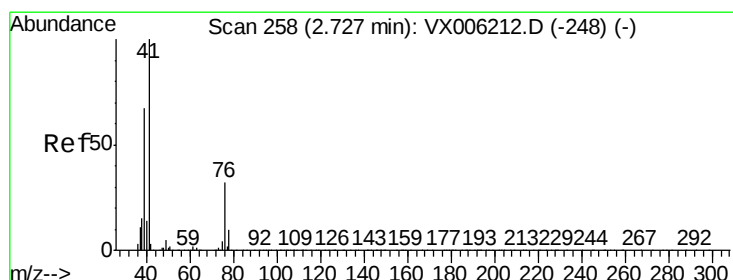
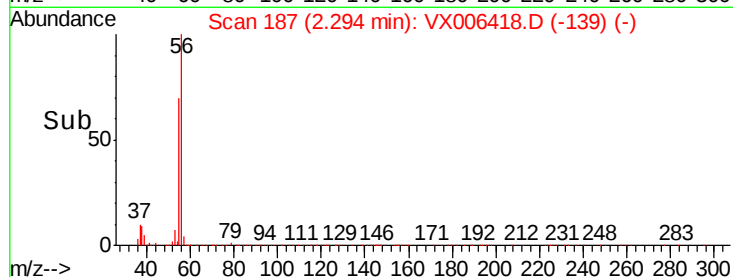
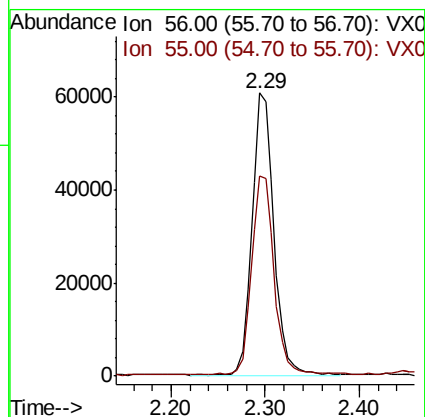
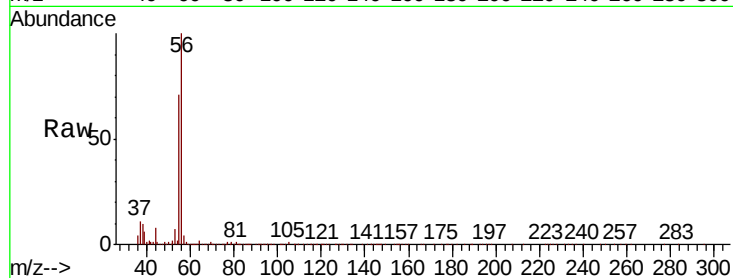
55 72.0 57.8 86.6

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#14

Allyl chloride

Concen: 16.638 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

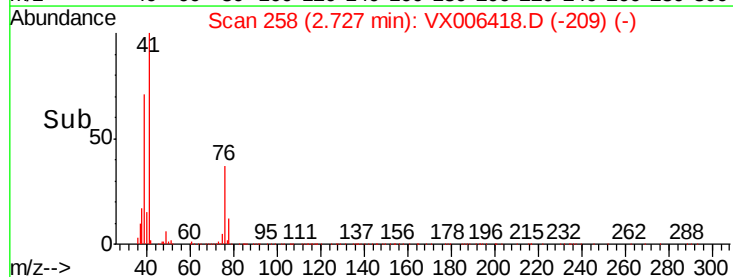
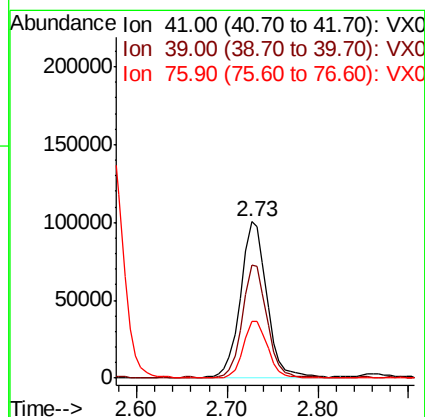
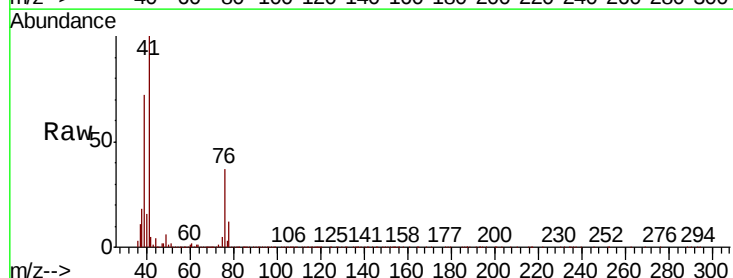
Tgt Ion: 41 Resp: 200298

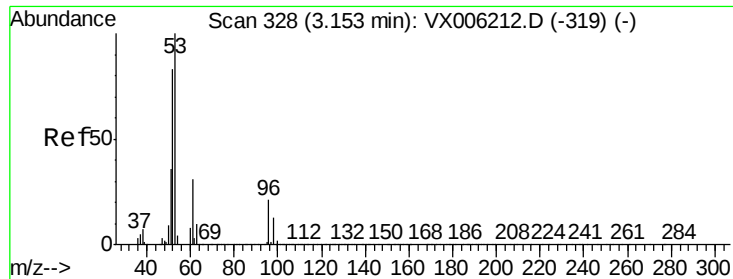
Ion Ratio Lower Upper

41 100

39 67.0 52.4 78.6

76 34.3 25.4 38.0





#15

Acrylonitrile

Concen: 94.134 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

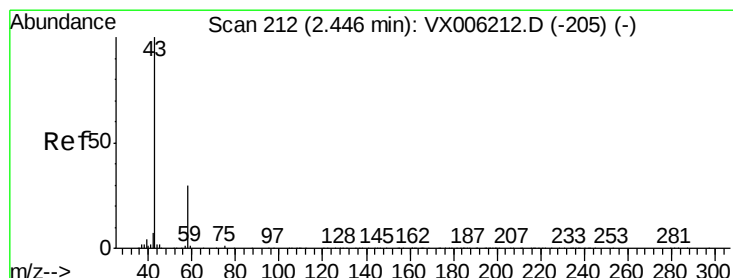
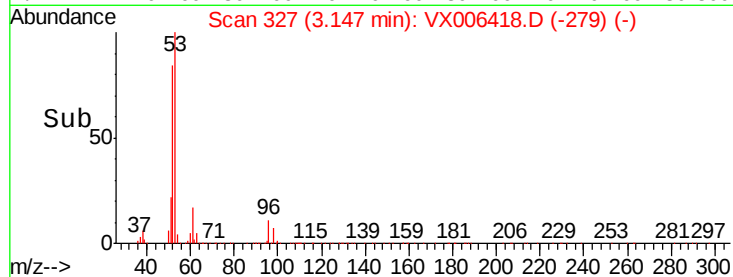
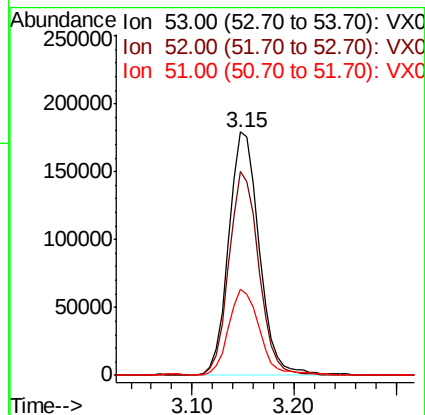
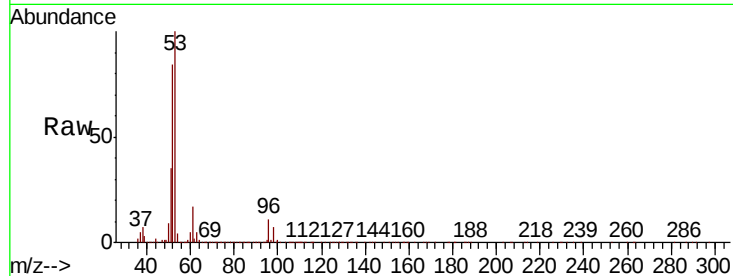
ClientSampleId :

VX1211WBS01

Tot Ion:	53	Resp:	369339
Ion Ratio		Lower	Upper
53	100		
52	82.0	66.2	99.4
51	35.8	28.7	43.1

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#16

Acetone

Concen: 98.190 ug/l

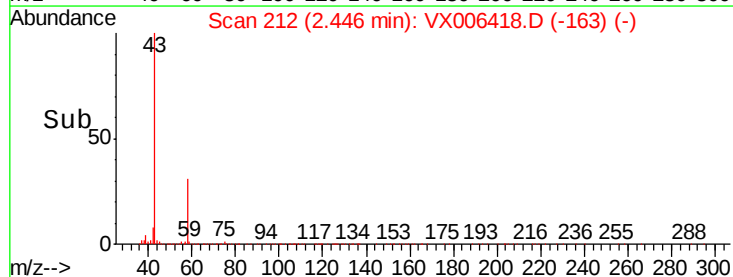
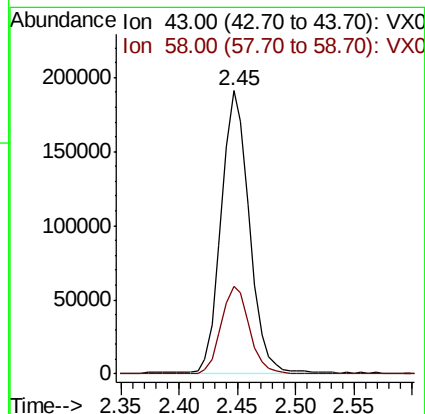
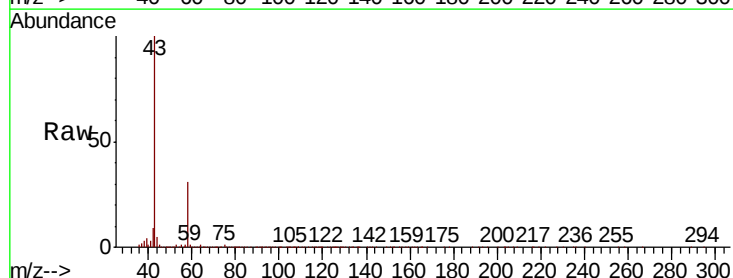
RT: 2.45 min Scan# 212

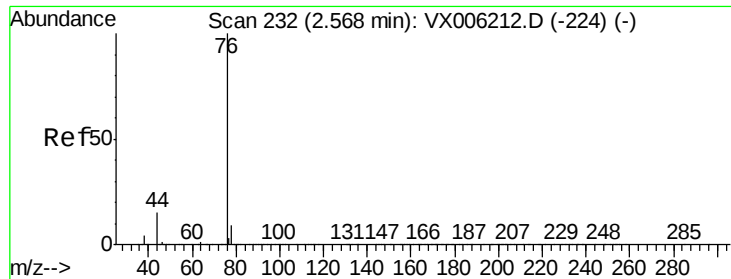
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	43	Resp:	316809
Ion Ratio		Lower	Upper
43	100		
58	31.2	24.0	36.0





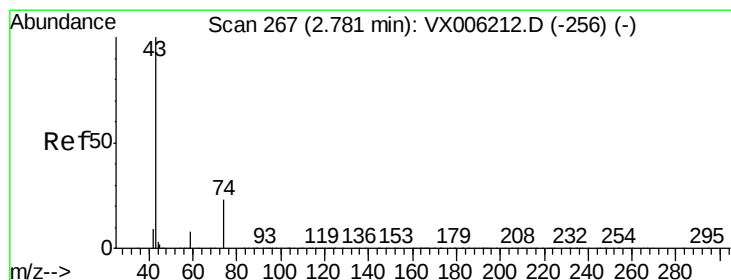
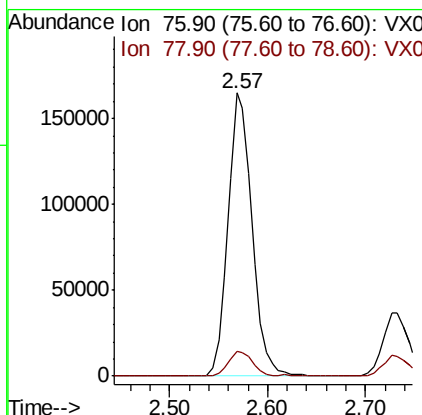
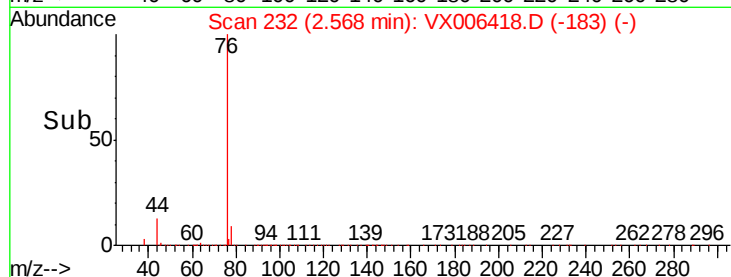
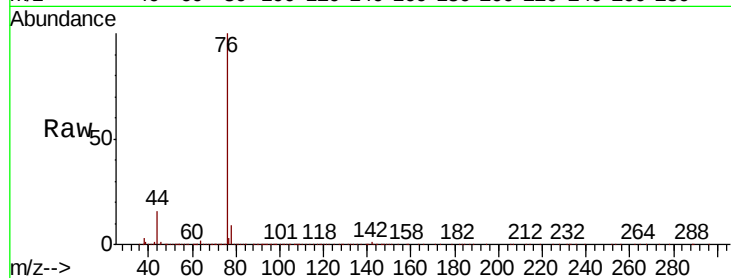
#17
Carbon Disulfide
Concen: 14.922 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

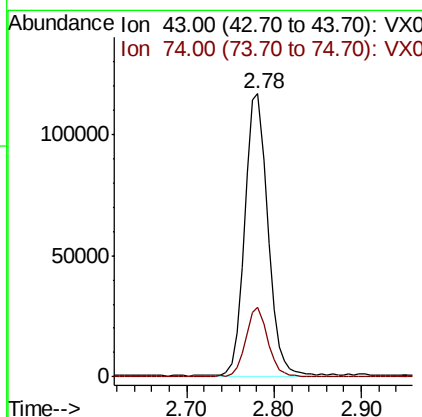
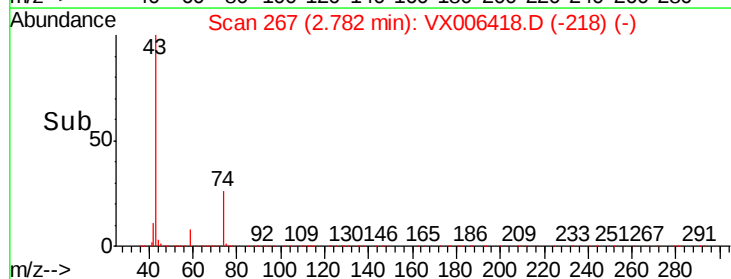
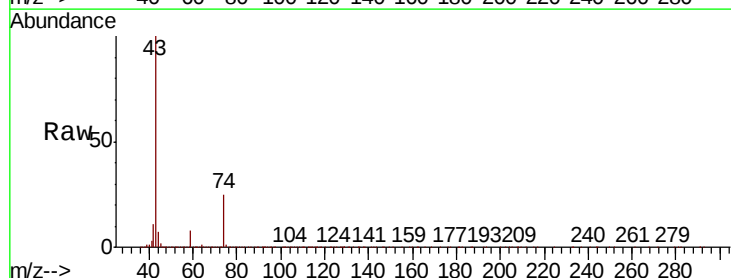
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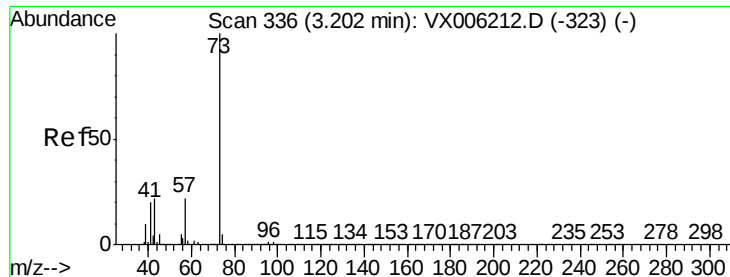
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#18
Methyl Acetate
Concen: 19.784 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.9	26.9





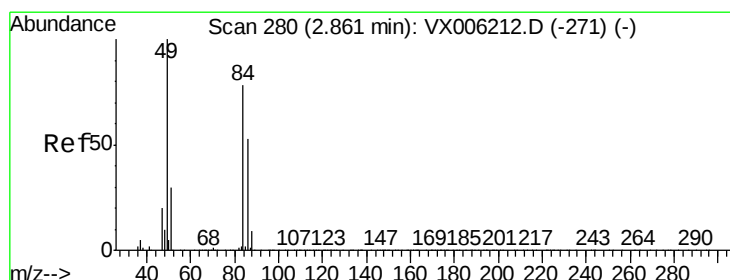
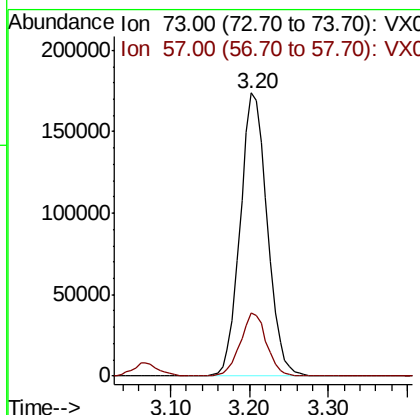
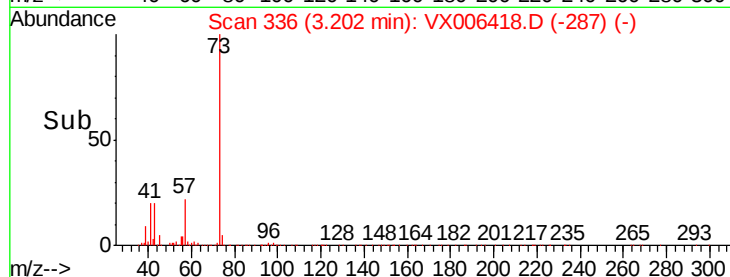
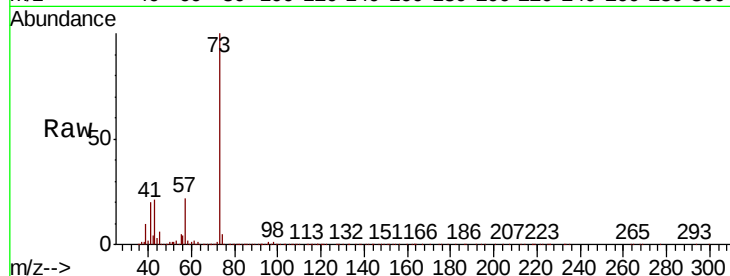
#19
Methvl tert-butvl Ether
Concen: 19.058 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3

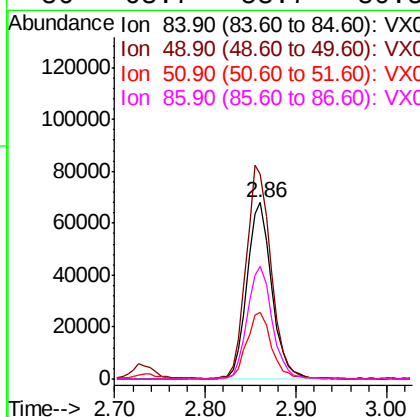
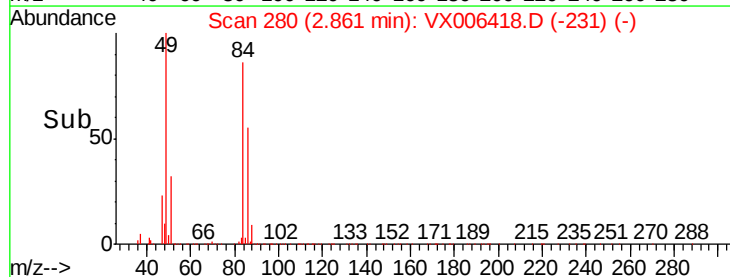
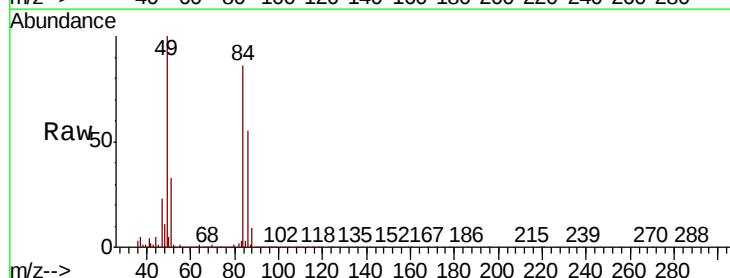
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#20
Methylene Chloride
Concen: 18.779 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.5	102.2	153.4
51	37.6	31.1	46.7
86	63.7	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 18.200 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

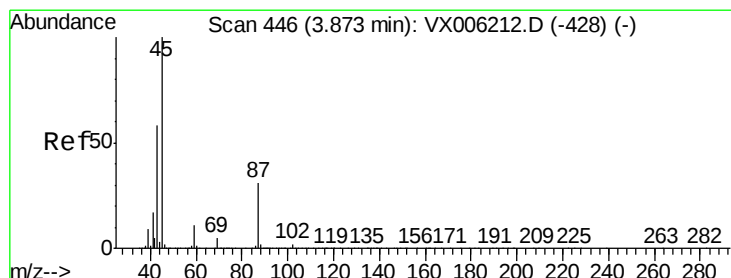
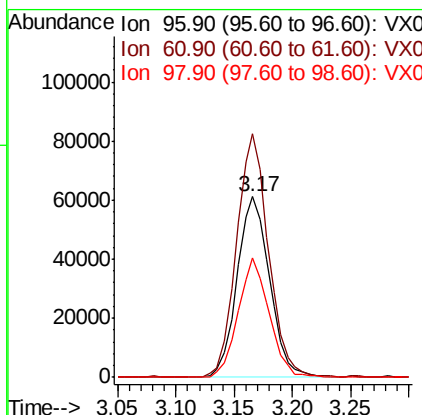
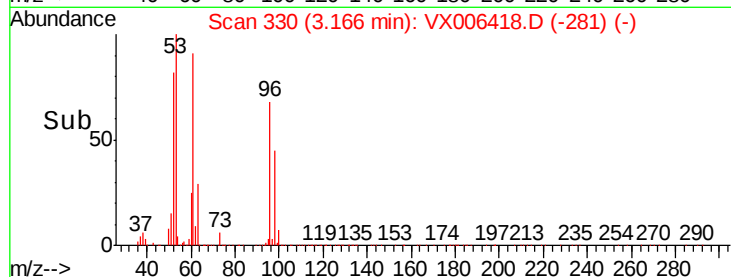
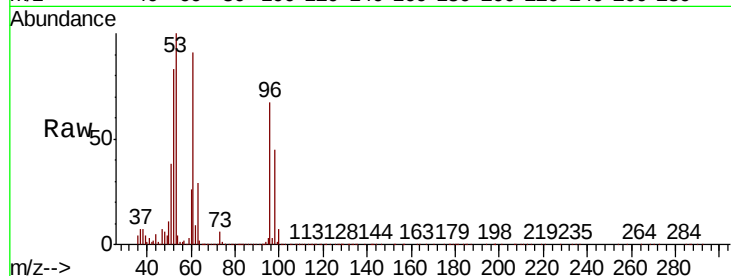
ClientSampleId :

VX1211WBS01

Tot Ion:	96	Resp:	118199
Ion Ratio	Lower	Upper	
96	100		
61	134.8	113.3	169.9
98	66.1	53.2	79.8

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#22

Diisopropyl ether

Concen: 18.994 ug/l

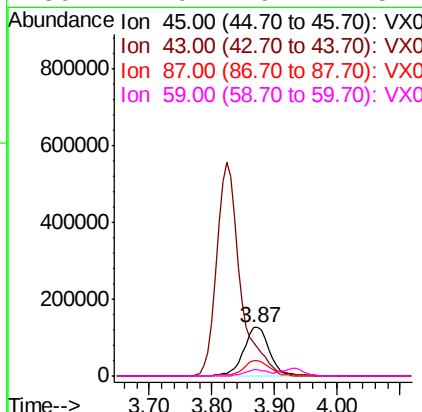
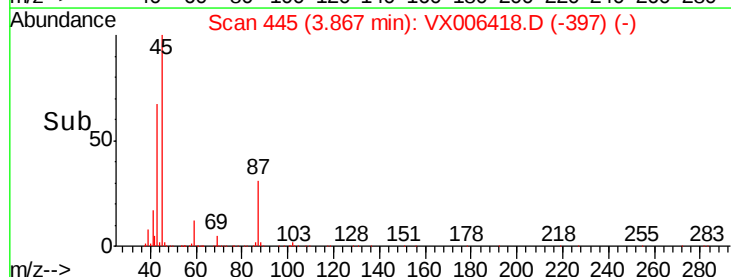
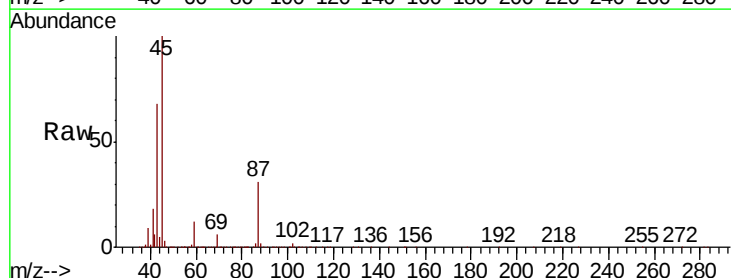
RT: 3.87 min Scan# 445

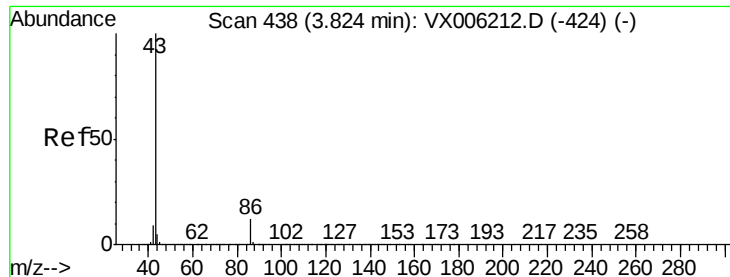
Delta R.T. -0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	45	Resp:	357145
Ion Ratio	Lower	Upper	
45	100		
43	67.3	46.2	69.2
87	31.1	24.9	37.3
59	12.0	9.1	13.7





#23

Vinyl Acetate

Concen: 90.819 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 43 Resp: 1456527

Ion Ratio Lower Upper

43 100

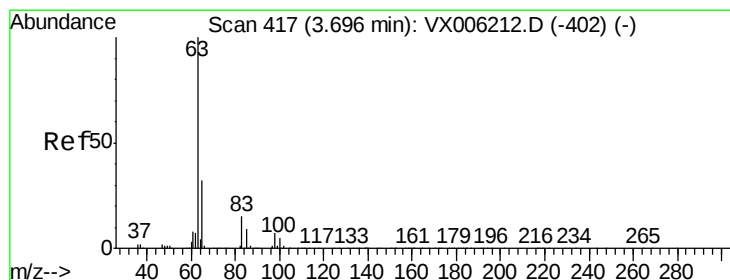
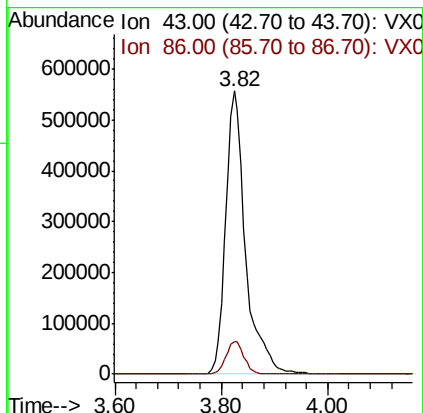
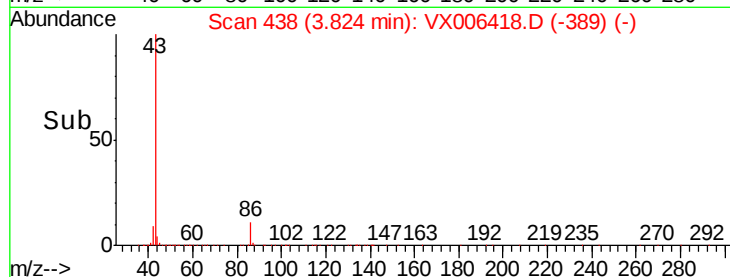
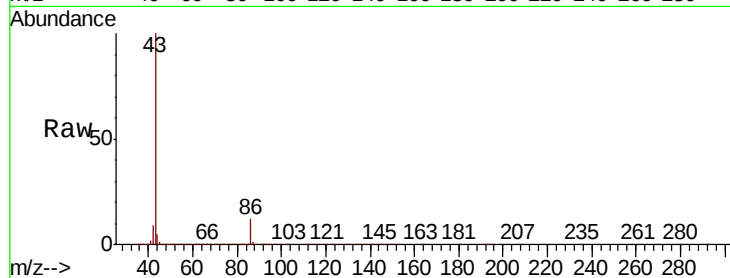
86 11.5 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 19.151 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

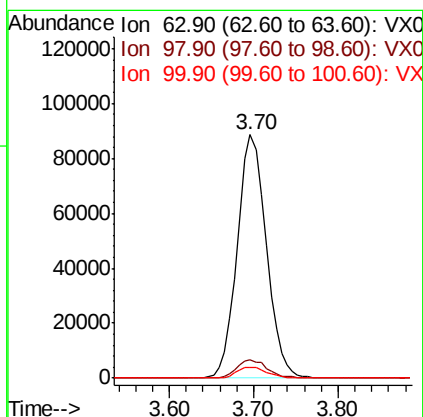
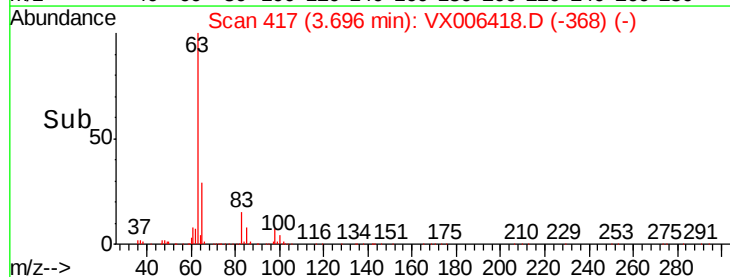
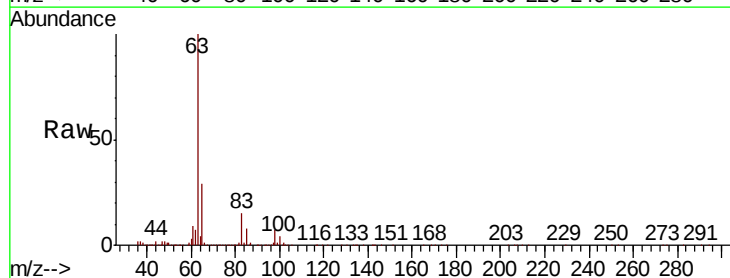
Tgt Ion: 63 Resp: 205820

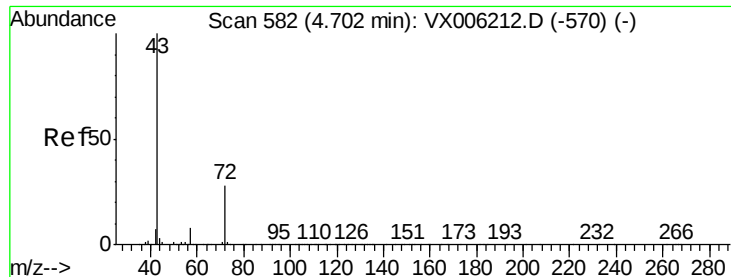
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.2 2.5 7.4





#25

2-Butanone

Concen: 96.054 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 43 Resp: 442208

Ion Ratio Lower Upper

43 100

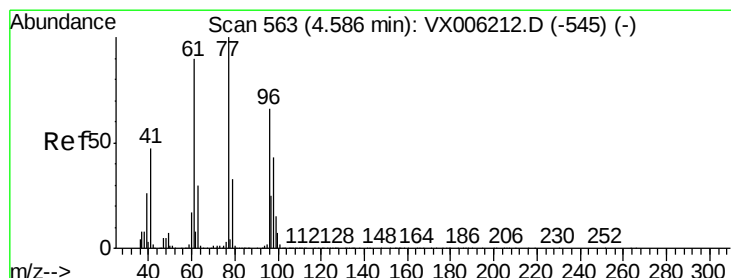
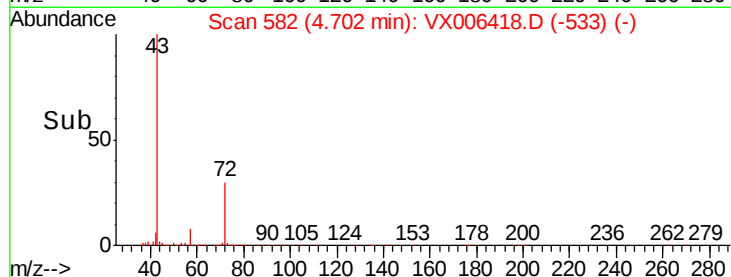
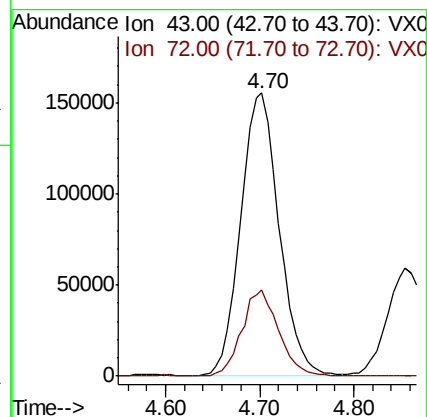
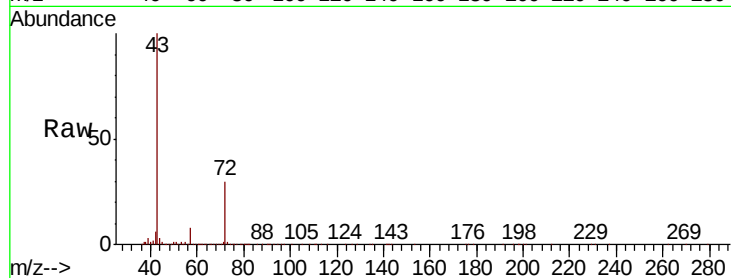
72 30.3 22.6 33.8

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#26

2,2-Dichloropropane

Concen: 17.264 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006418.D

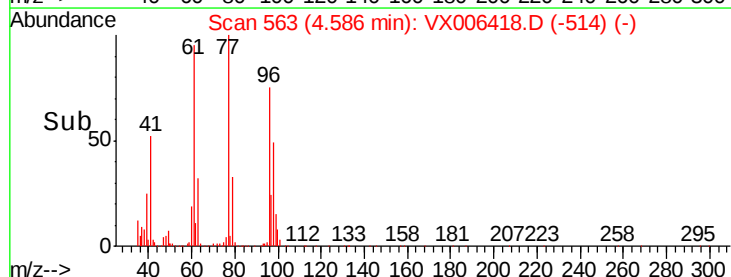
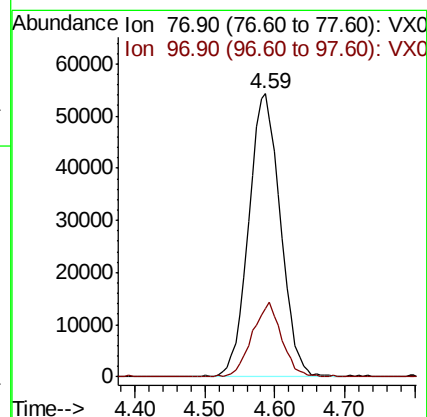
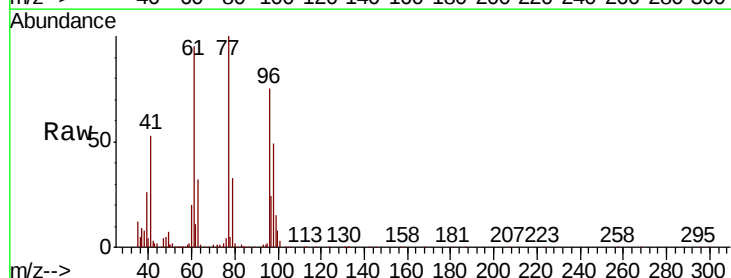
Acq: 11 Dec 2018 14:11

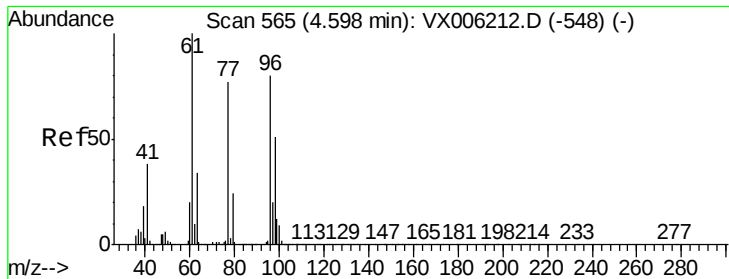
Tgt Ion: 77 Resp: 171233

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8





#27

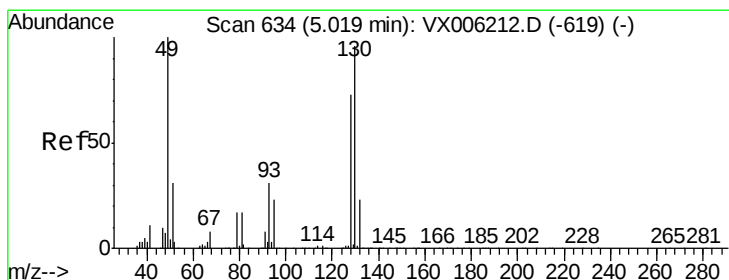
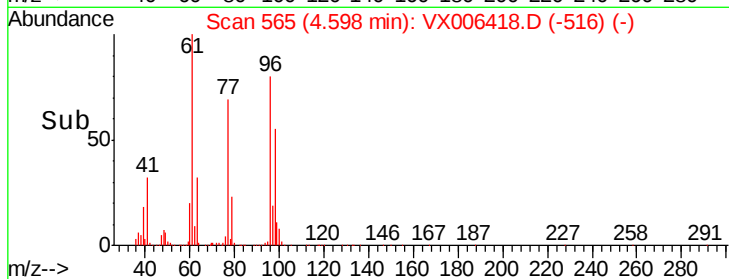
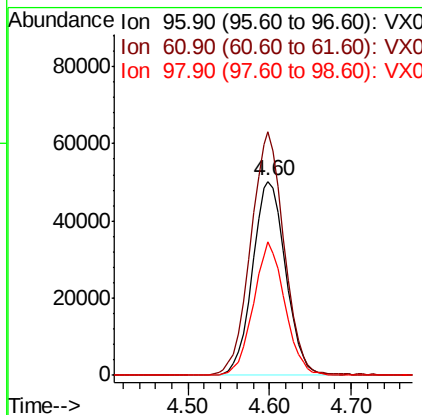
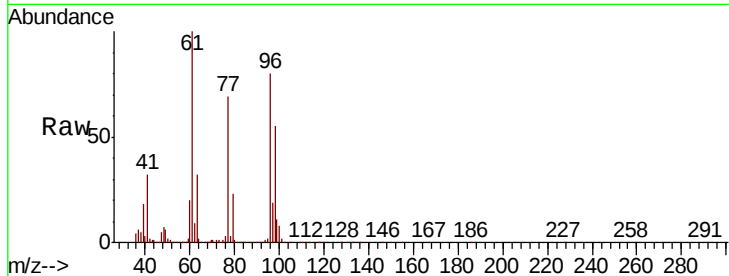
cis-1,2-Dichloroethene
Concen: 19.630 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	265.0
98	65.3	0.0	130.2

Manual Integrations
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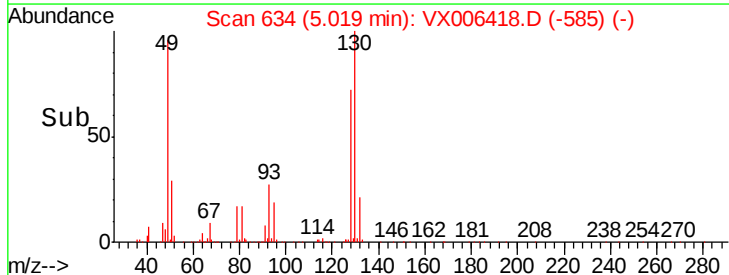
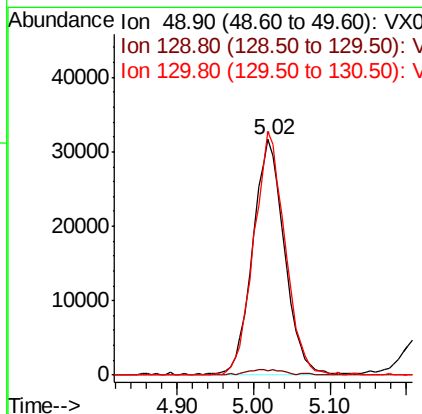
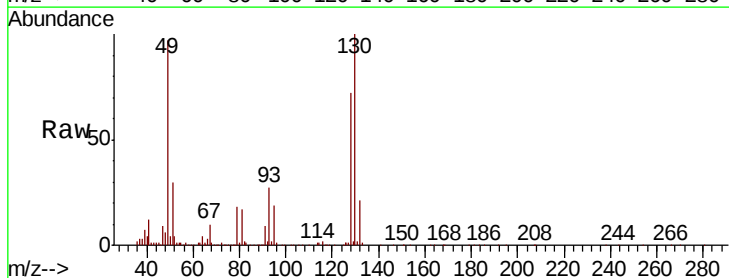
MMDadoda
12/12/2018 10:40:02 AM

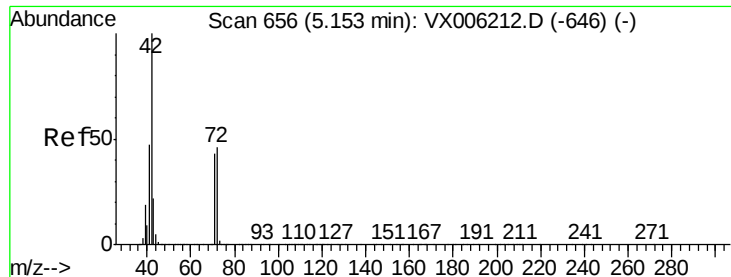


#28

Bromochloromethane
Concen: 19.614 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	101.0	78.3	117.5





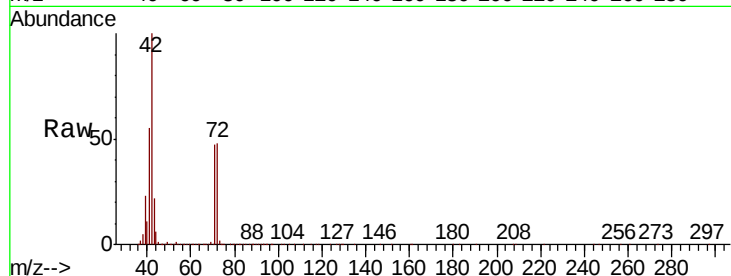
#29
Tetrahydrofuran
Concen: 92.061 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
Client Sampled :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	37.8	56.8
71	45.3	35.2	52.8

Manual Integrations
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MMDadoda
12/12/2018 10:40:02 AM

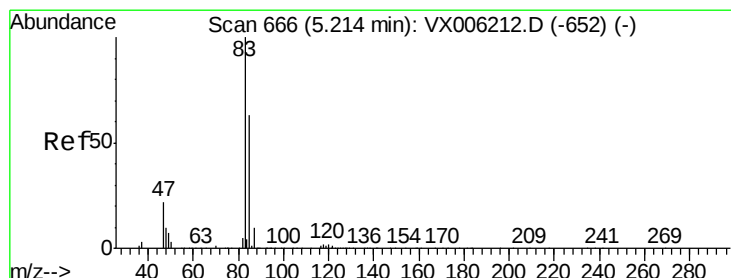
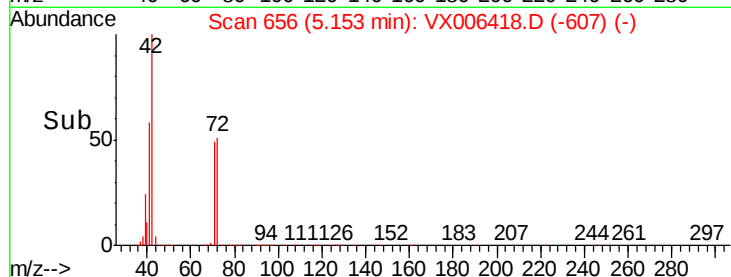
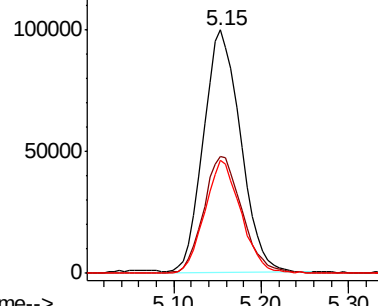


Abundance

Ion 42.00 (41.70 to 42.70): VX0

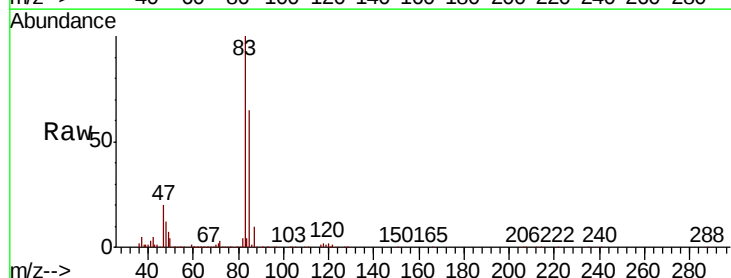
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30
Chloroform
Concen: 19.409 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

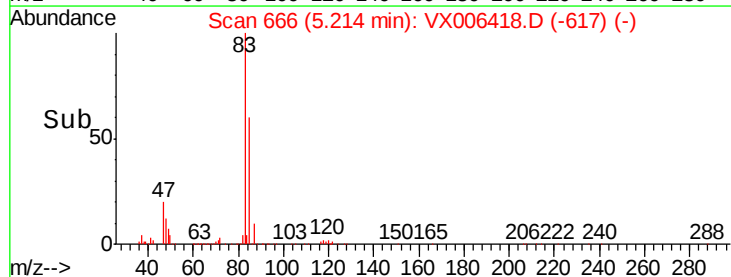
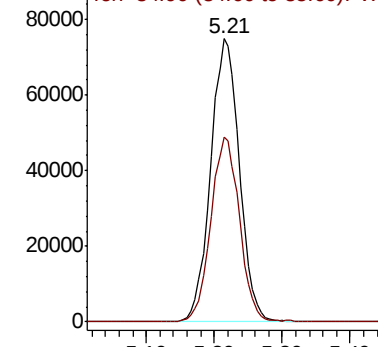
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.3	75.5

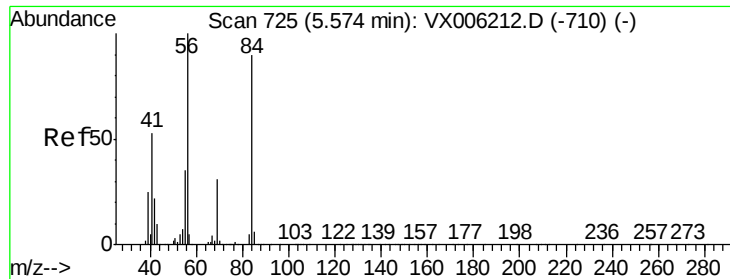


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





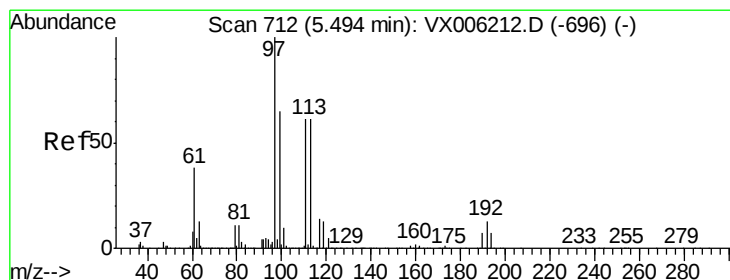
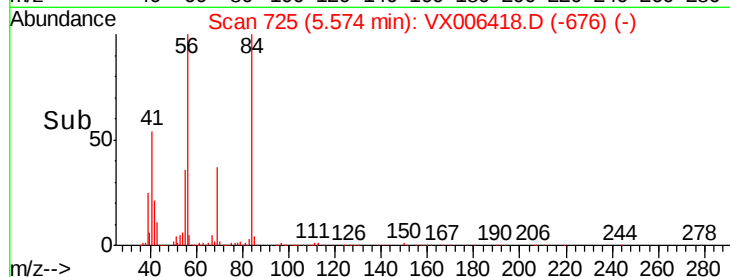
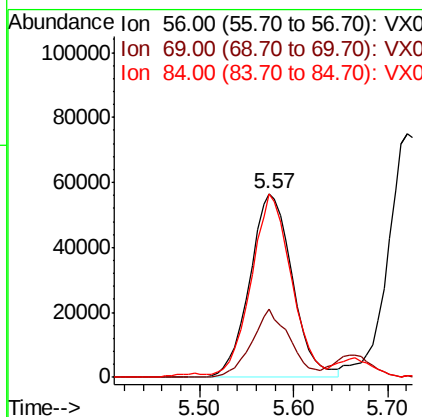
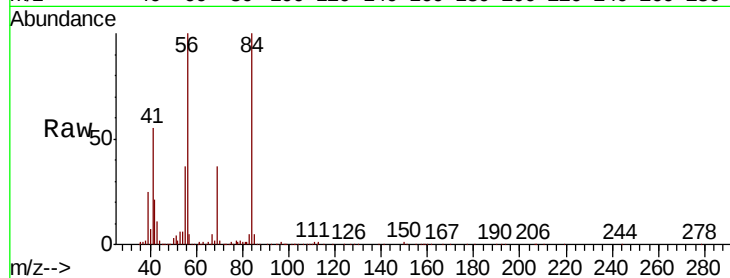
#31
Cyclohexane
Concen: 17.952 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	24.5	36.7#
84	98.4	71.8	107.6

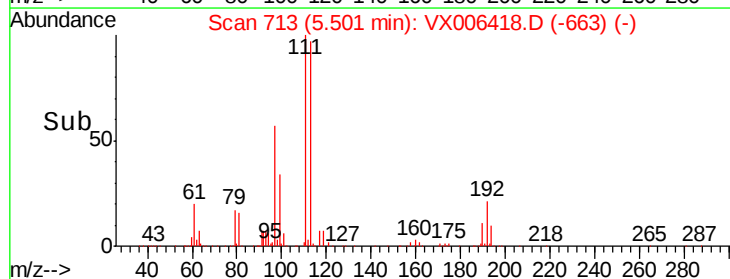
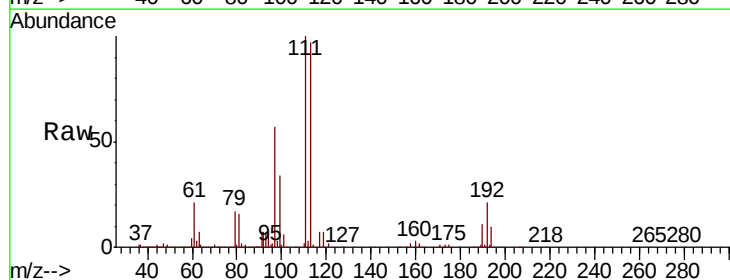
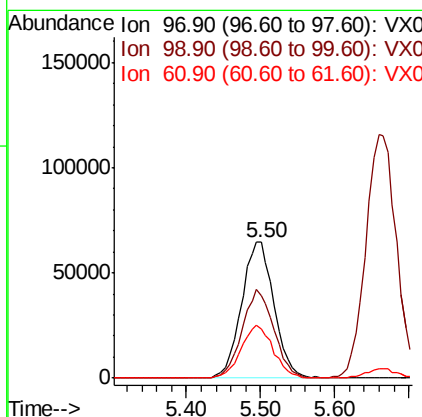
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 18.380 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	37.9	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 48.838 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 65 Resp: 335768

Ion Ratio Lower Upper

65 100

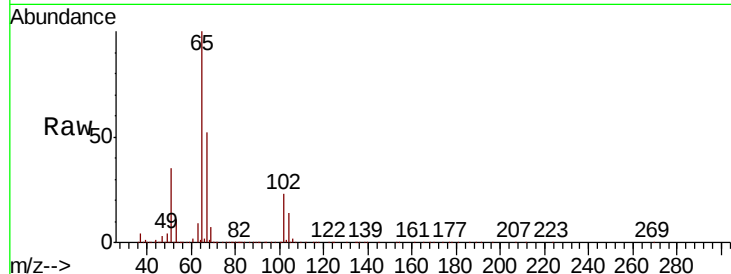
67 52.9 0.0 107.2

Manual Integrations

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MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

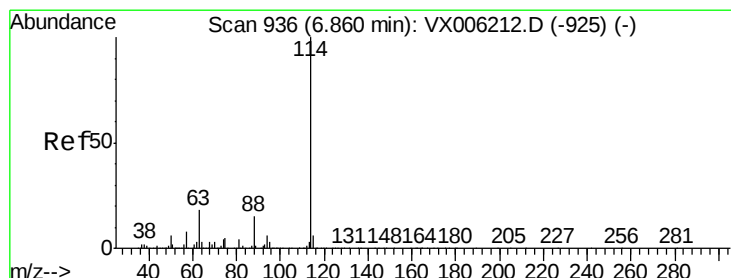
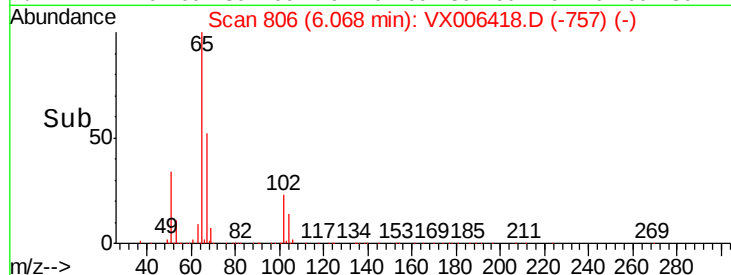
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

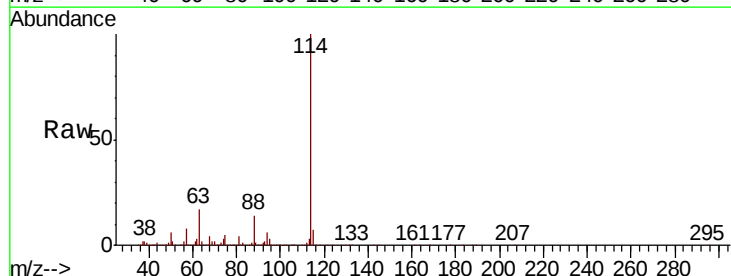
Tgt Ion: 114 Resp: 991223

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 14.4 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

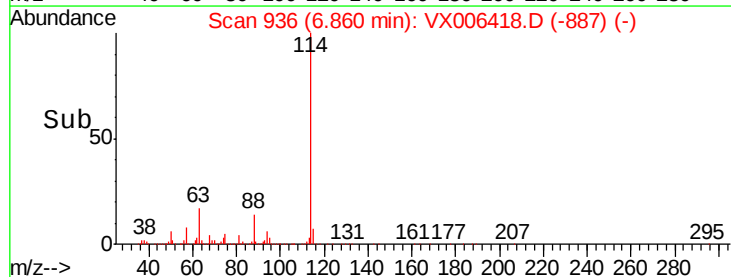
300000

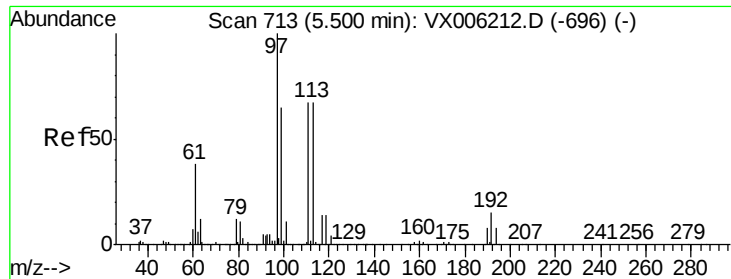
200000

100000

0

Time-->





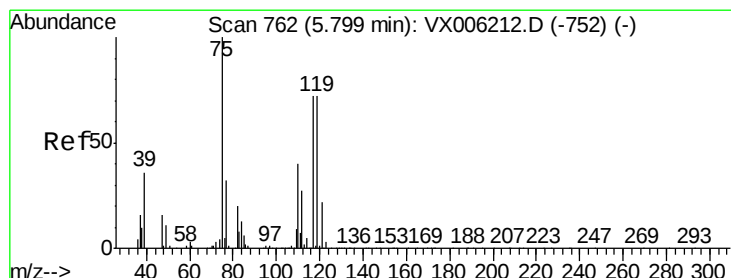
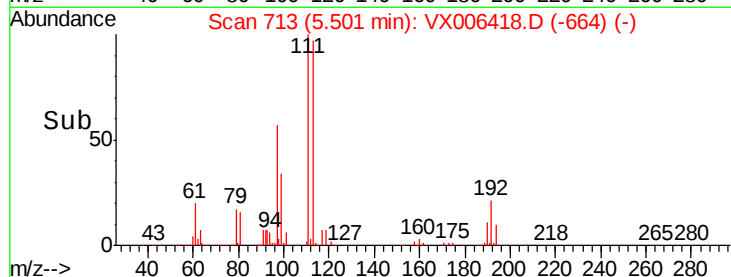
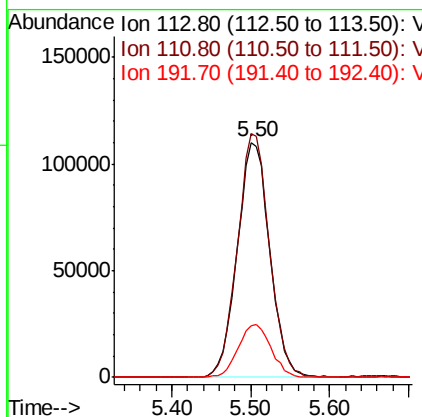
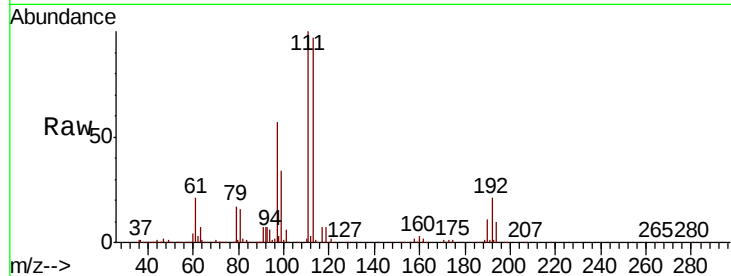
#35
Dibromofluoromethane
Concen: 49.091 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	22.7	18.2	27.2

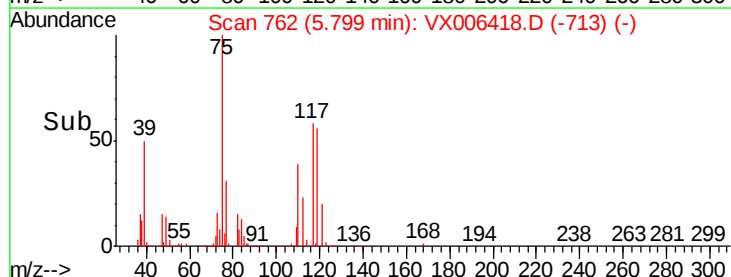
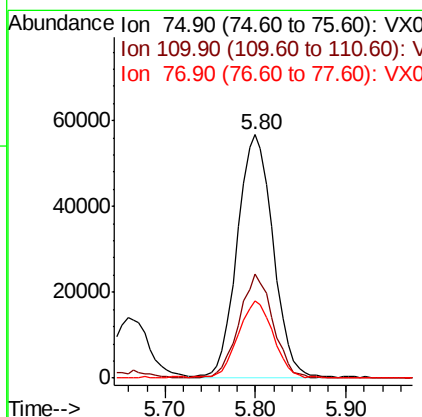
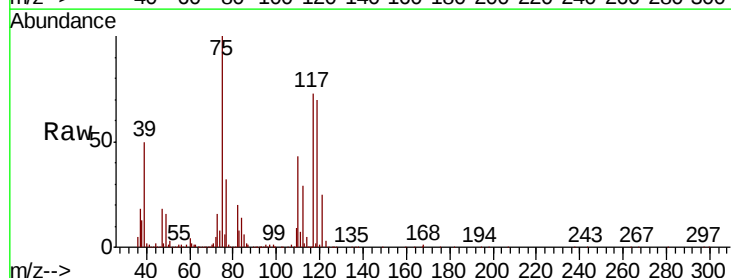
Manual Integrations
APPROVED

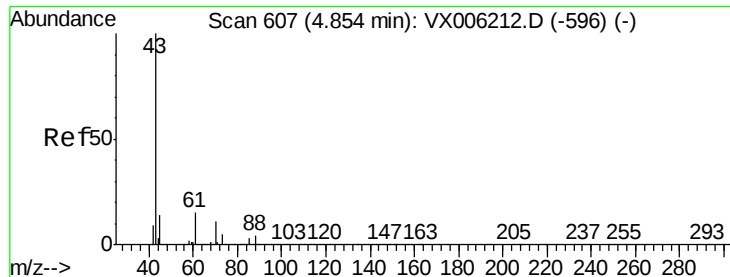
MMDadoda
12/12/2018 10:40:02 AM



#36
1,1-Dichloropropene
Concen: 18.439 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.3	20.4	61.3
77	31.2	24.9	37.3





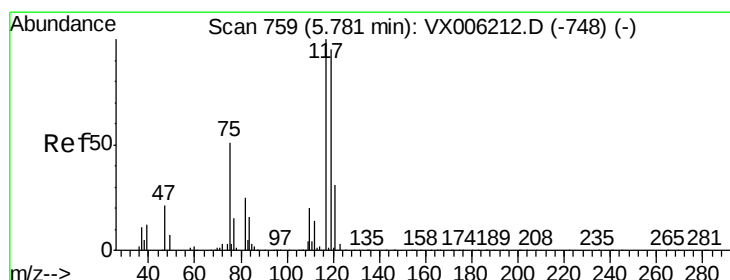
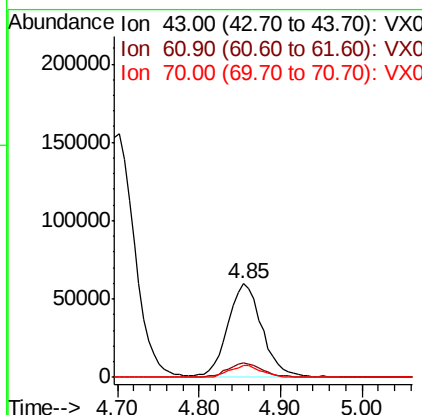
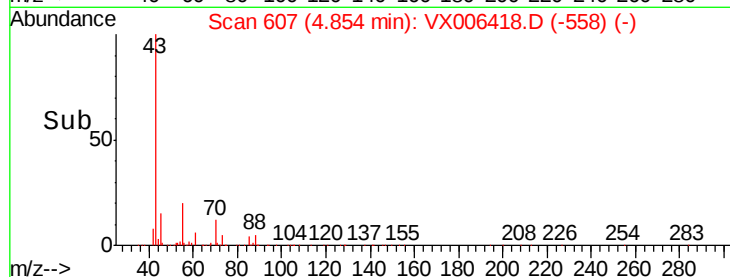
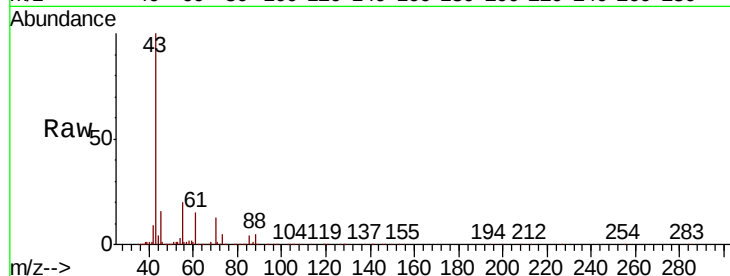
#37
Ethyl Acetate
Concen: 18.344 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.3	9.0	13.6

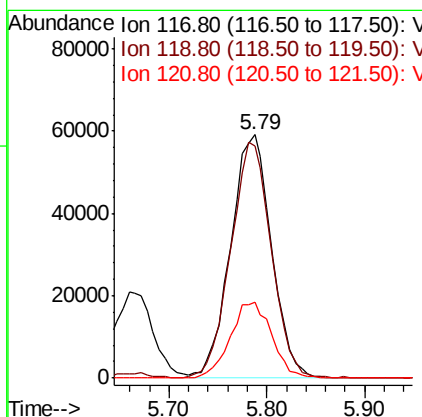
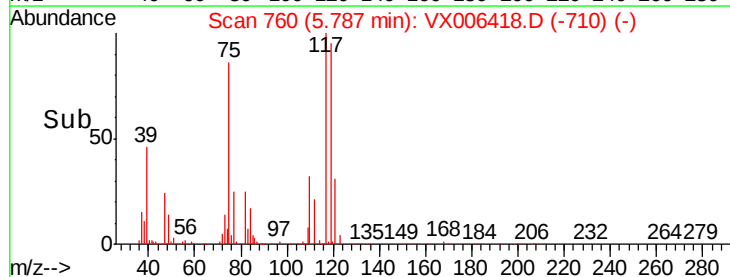
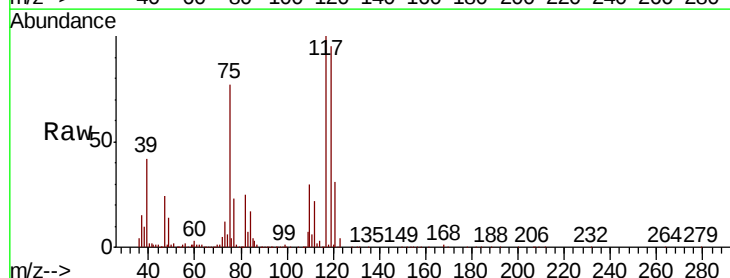
Manual Integrations
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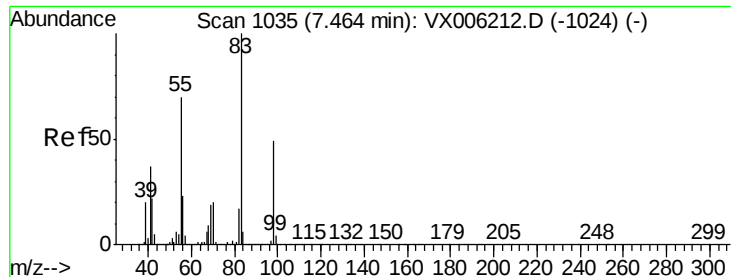
MMDadoda
12/12/2018 10:40:02 AM



#38
Carbon Tetrachloride
Concen: 17.449 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.8	113.8
121	31.2	24.6	37.0





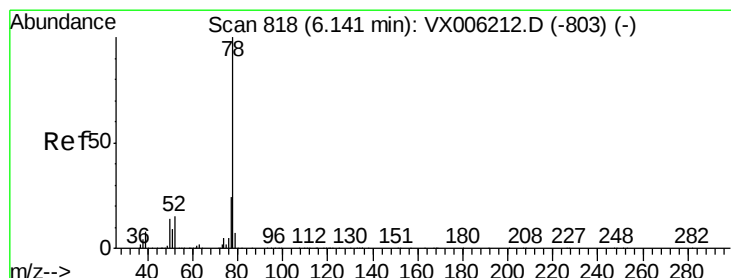
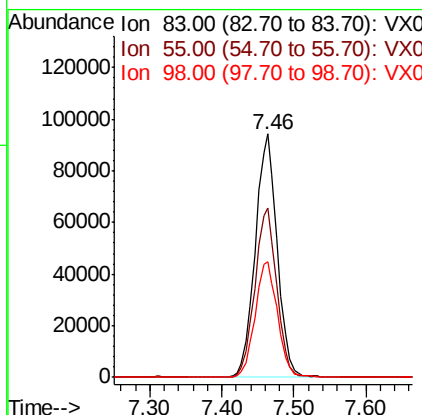
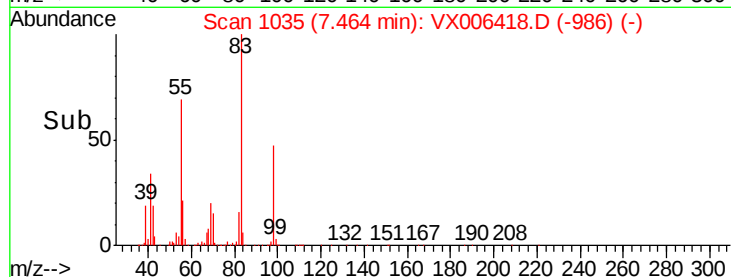
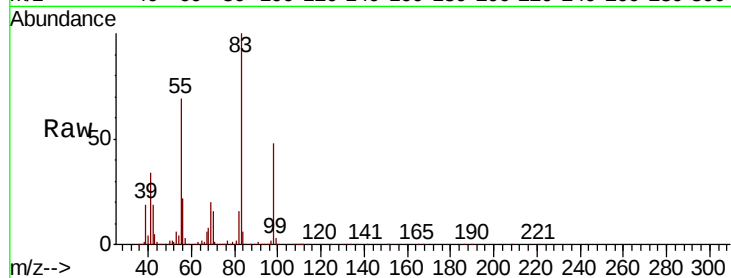
#39
Methvlcvclohexane
Concen: 18.491 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.4	84.6
98	47.5	39.0	58.6

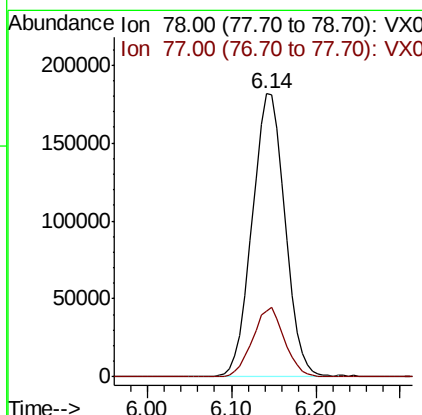
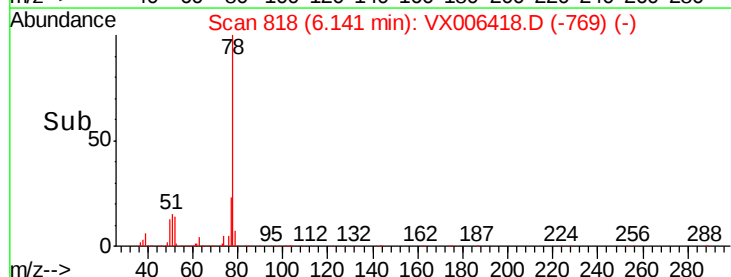
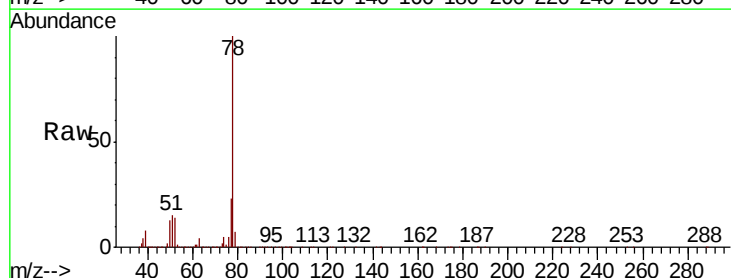
Manual Integrations
APPROVED

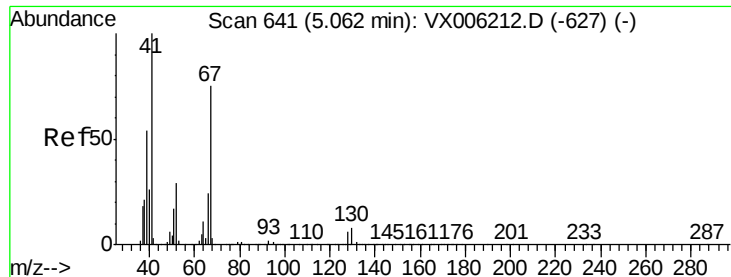
MMDadoda
12/12/2018 10:40:02 AM



#40
Benzene
Concen: 19.363 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 18.316 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006418.D

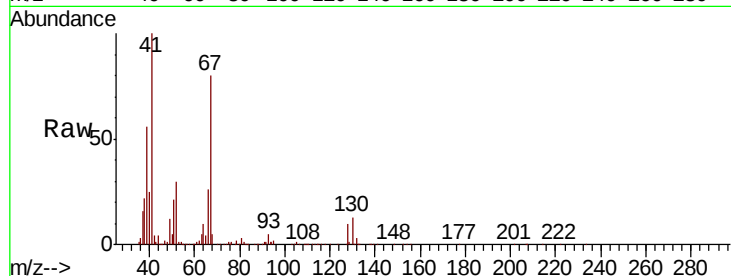
Acq: 11 Dec 2018 14:11

Tot Ion:	41	Resp:	94210
Ion Ratio	Lower	Upper	
41	100		
39	55.7	44.0	66.0
67	78.8	61.4	92.0
52	28.6	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:02 AM



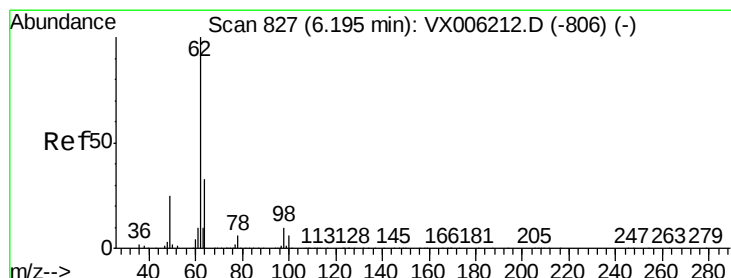
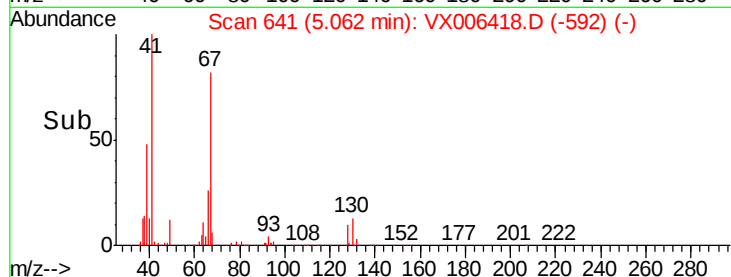
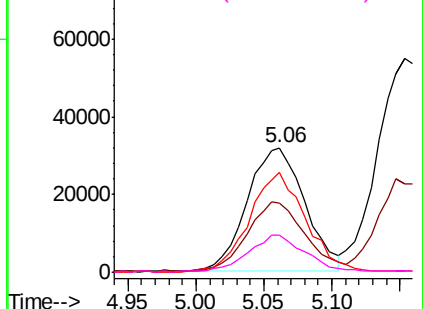
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.701 ug/l

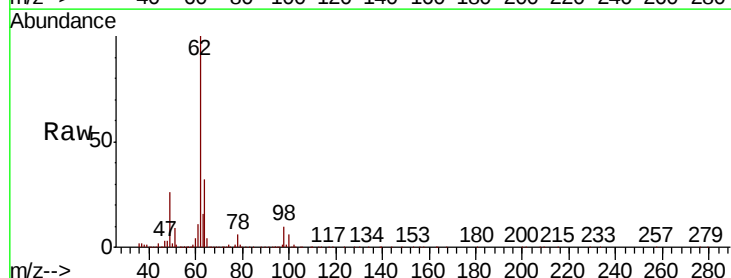
RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

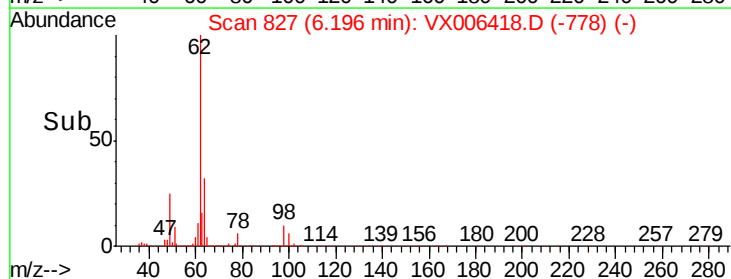
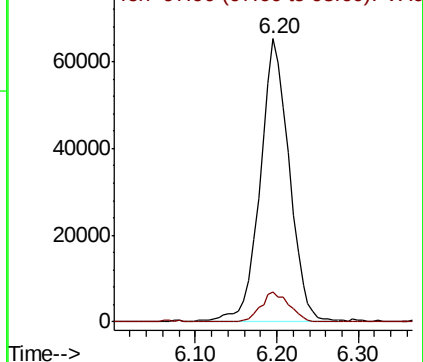
Tgt Ion:	62	Resp:	161193
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	20.2

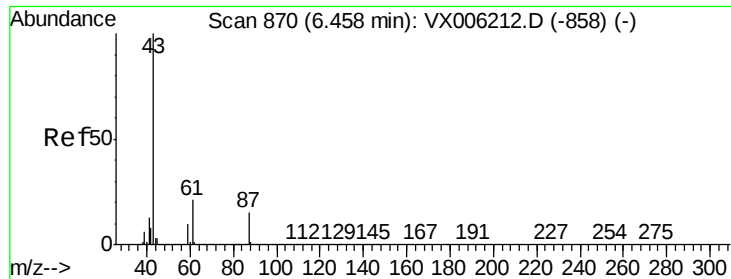


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

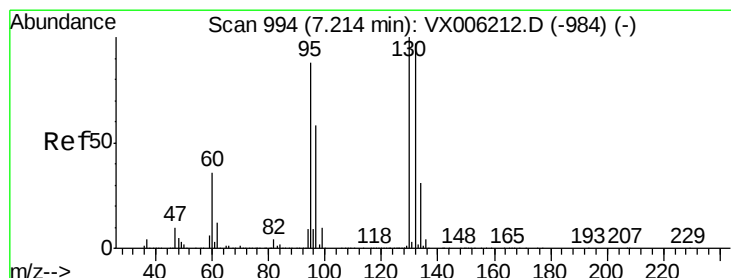
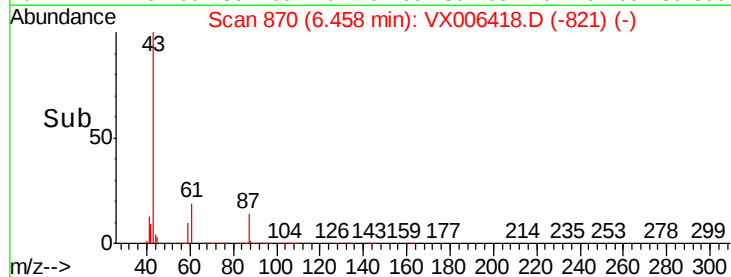
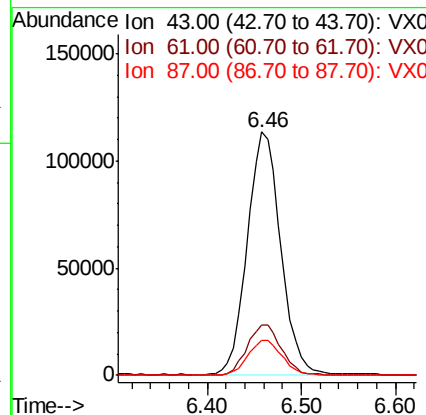
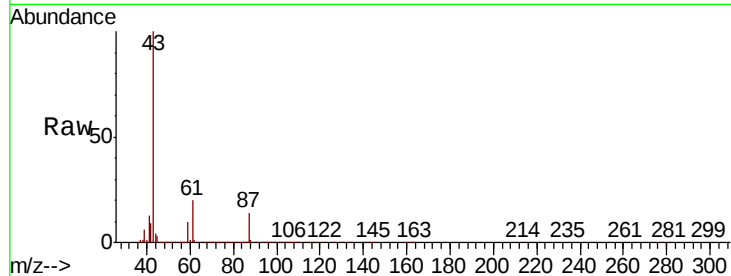
Isopropyl Acetate
 Concen: 18.090 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	14.8	11.9	17.9

Manual Integrations
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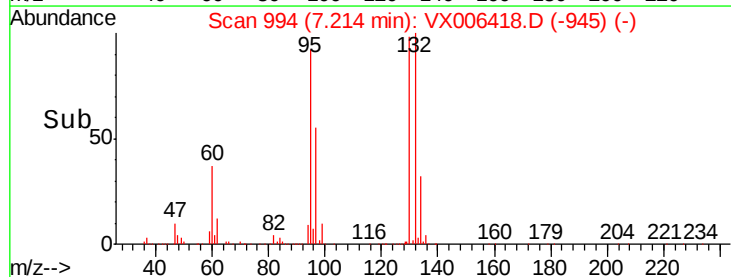
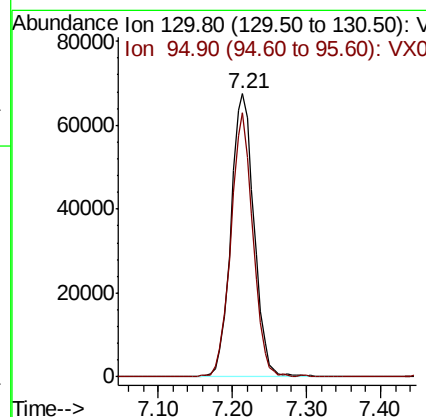
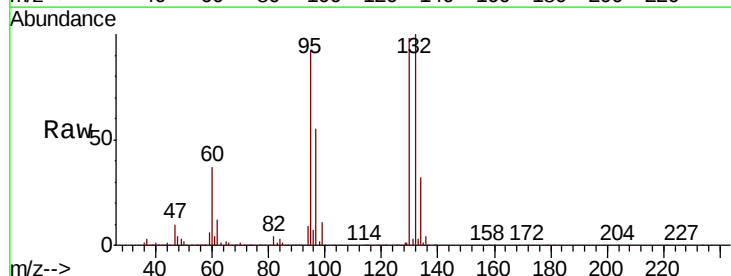
MMDadoda
 12/12/2018 10:40:02 AM

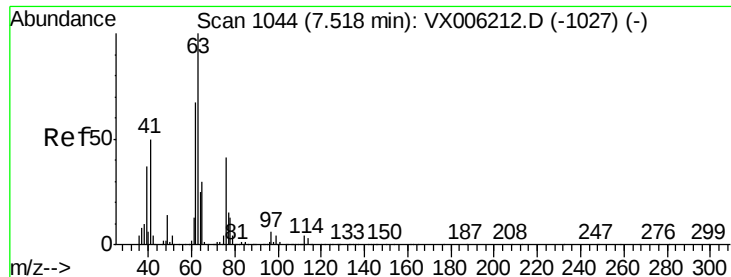


#44

Trichloroethene
 Concen: 19.405 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	175.8





#45

1,2-Dichloropropane

Concen: 18.818 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 63 Resp: 119570

Ion Ratio Lower Upper

63 100

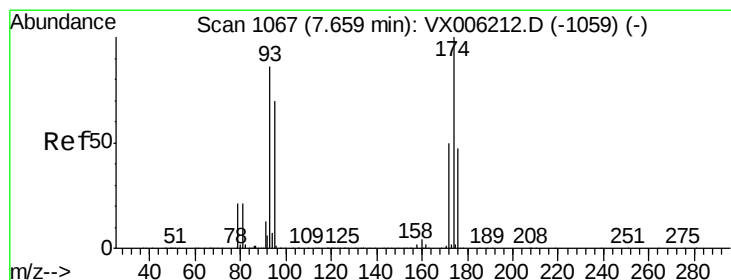
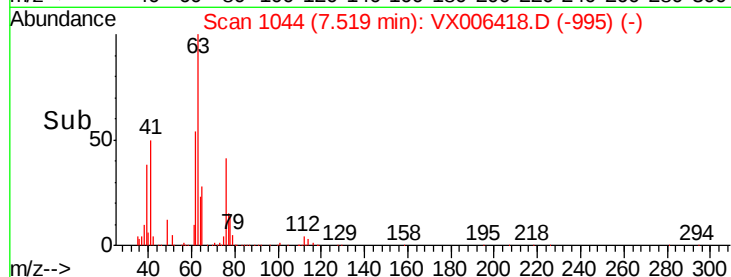
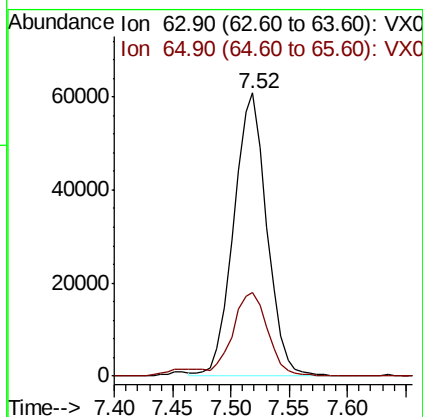
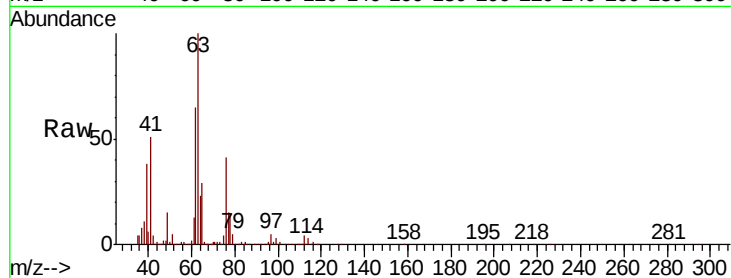
65 29.3 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 19.258 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

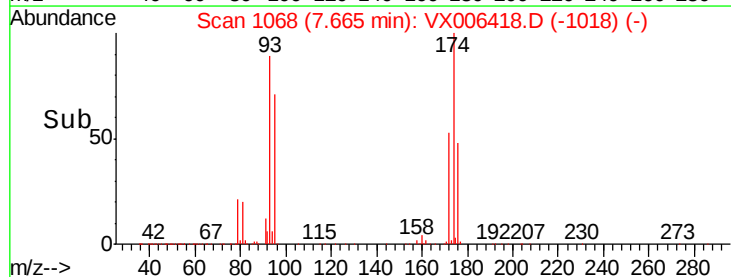
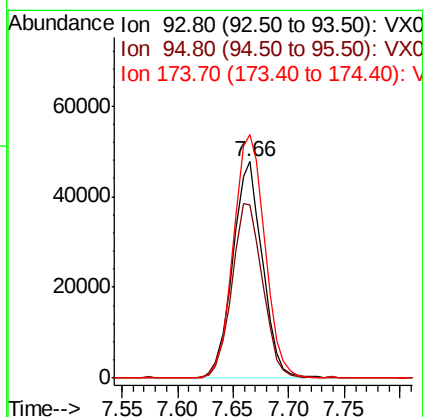
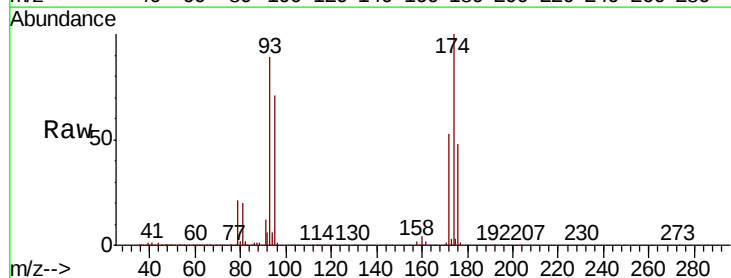
Tgt Ion: 93 Resp: 88373

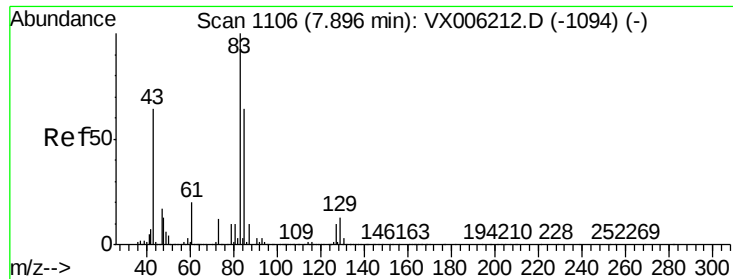
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

174 119.1 97.2 145.8





#47

Bromodichloromethane

Concen: 17.429 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

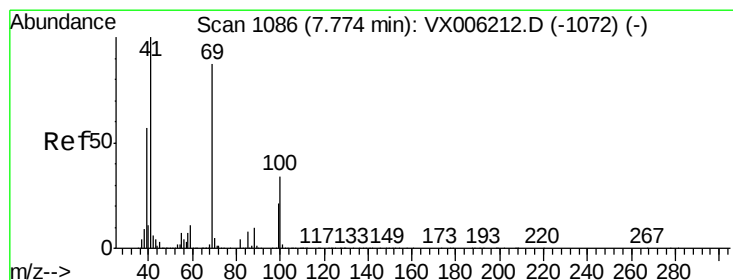
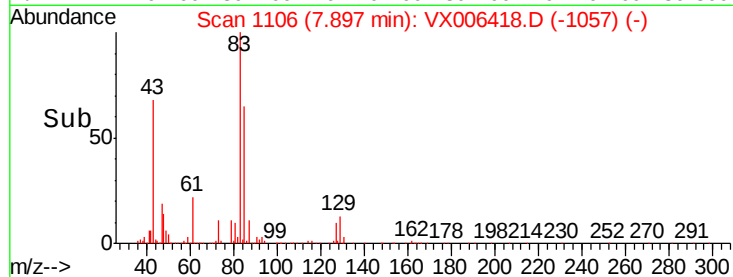
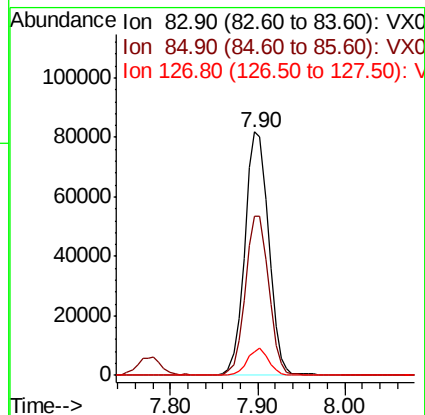
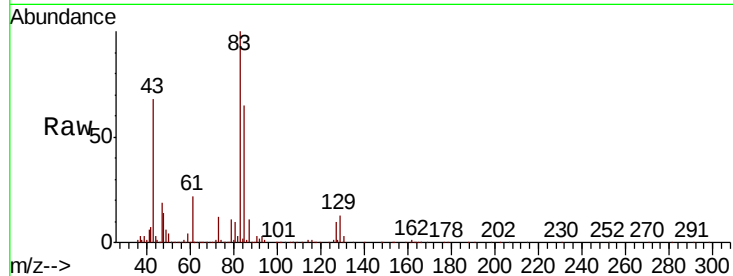
ClientSampleId :

VX1211WBS01

Tot Ion:	83	Resp:	154881
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.4	77.0
127	9.8	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.053 ug/l

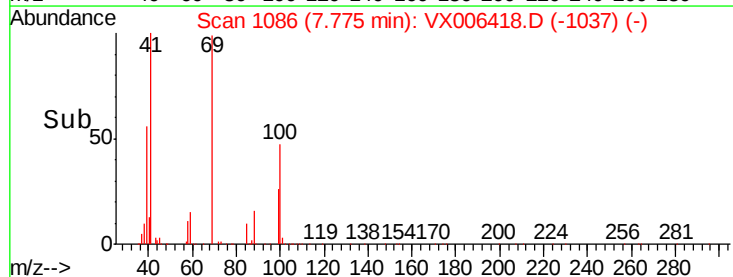
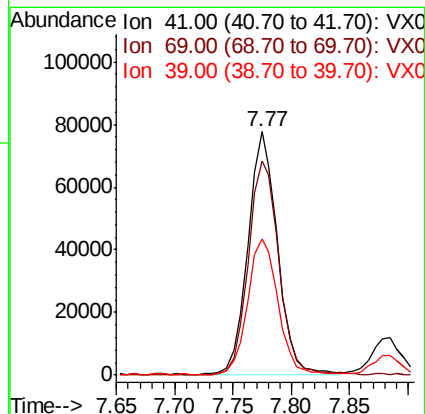
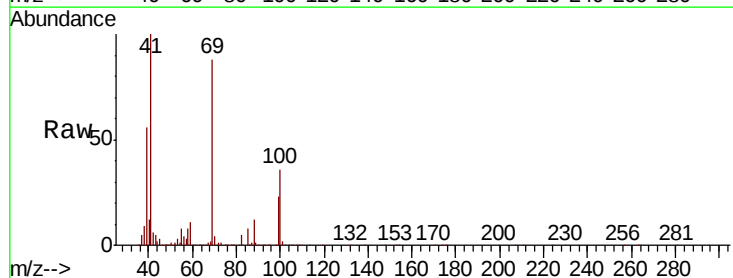
RT: 7.77 min Scan# 1086

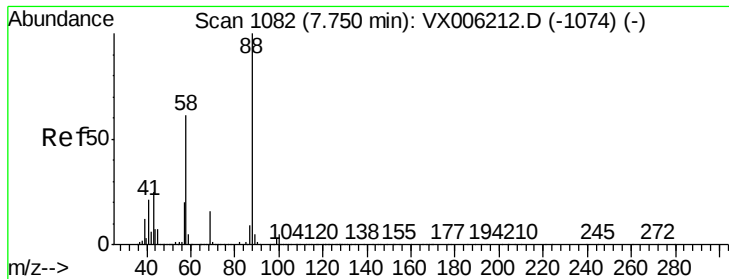
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	41	Resp:	136875
Ion Ratio	Lower	Upper	
41	100		
69	91.3	70.3	105.5
39	57.7	45.3	67.9





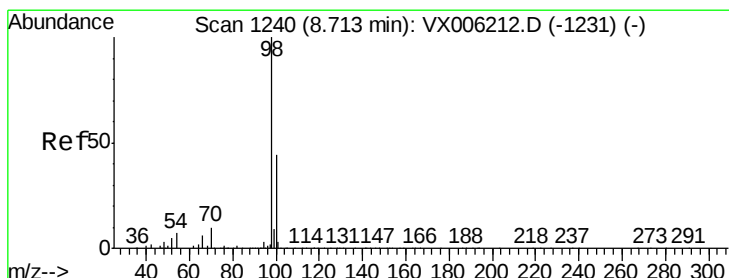
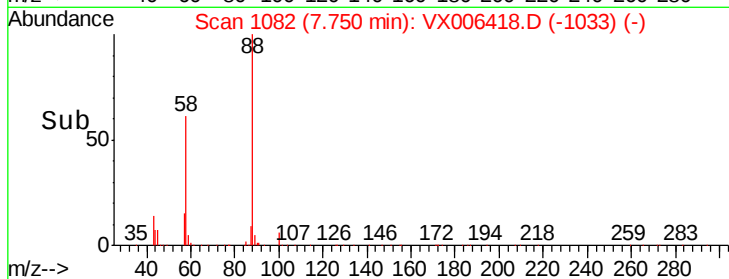
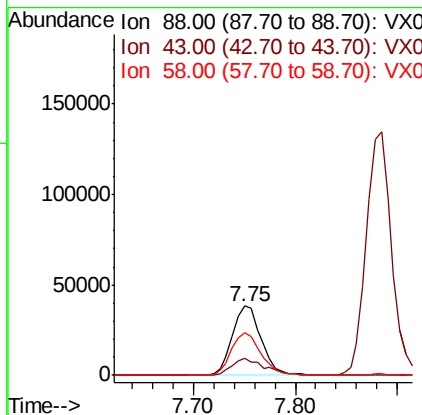
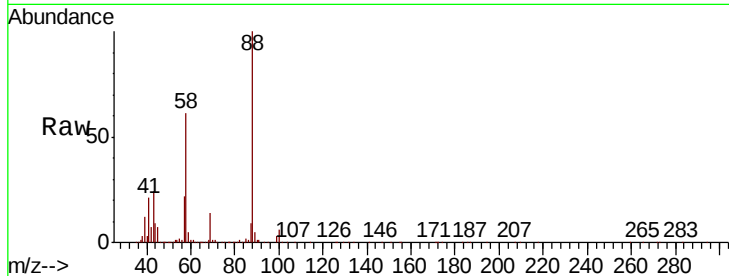
#49
1,4-Dioxane
Concen: 401.181 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	23.2	34.8
58	64.2	51.4	77.0

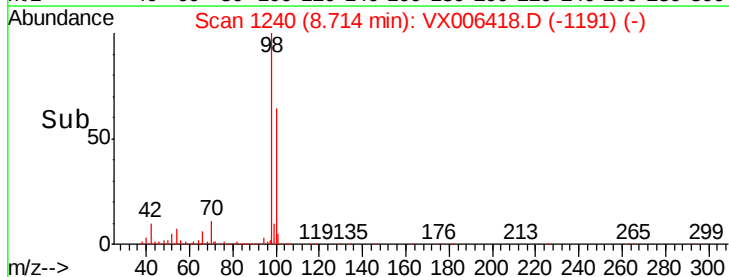
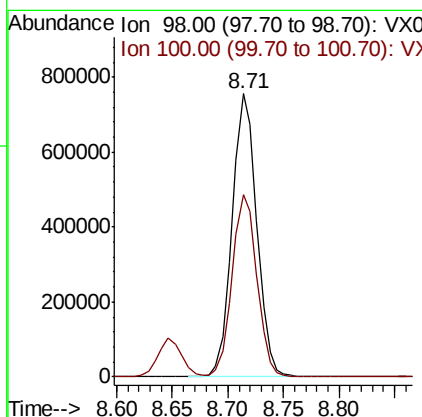
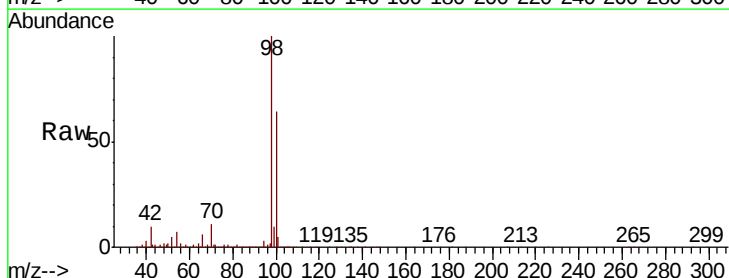
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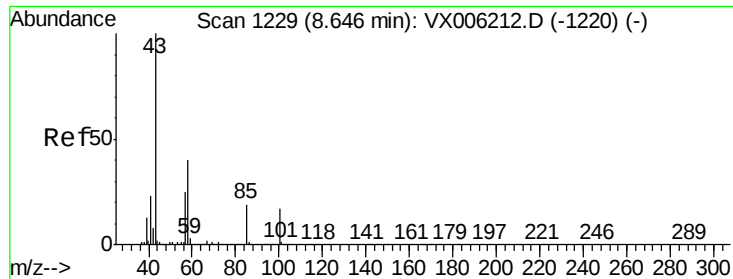
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#50
Toluene-d8
Concen: 49.493 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





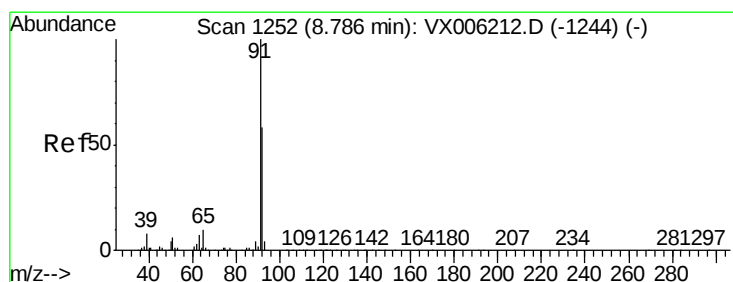
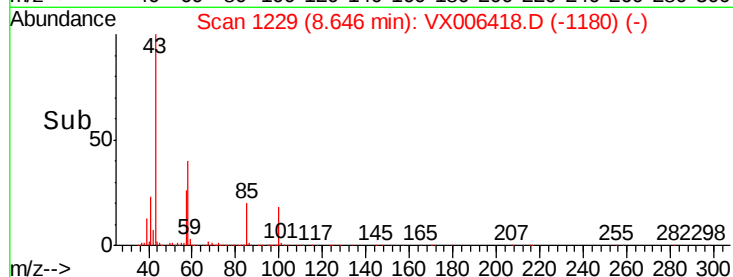
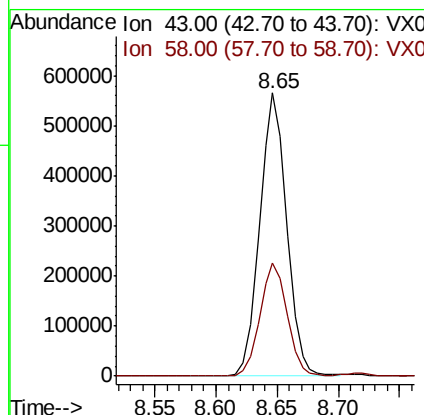
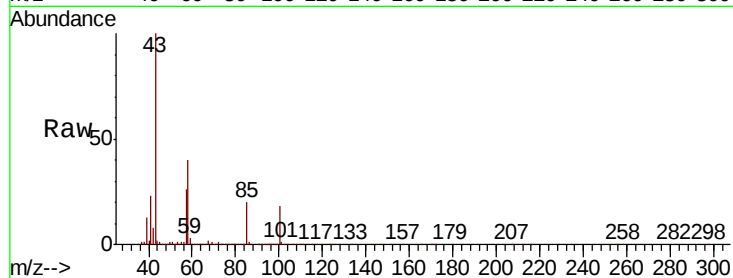
#51
4-Methyl-2-Pentanone
Concen: 96.097 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.3	46.9

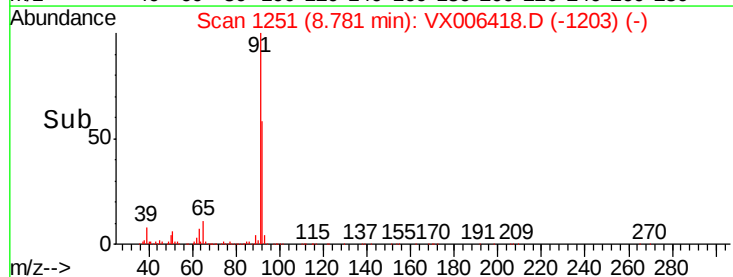
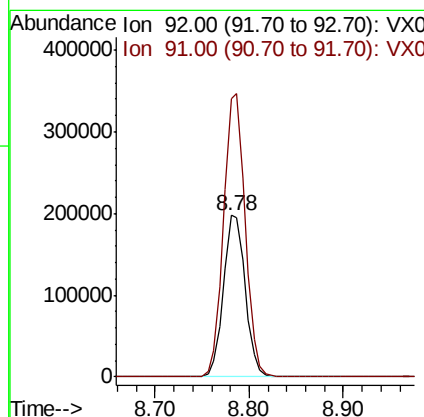
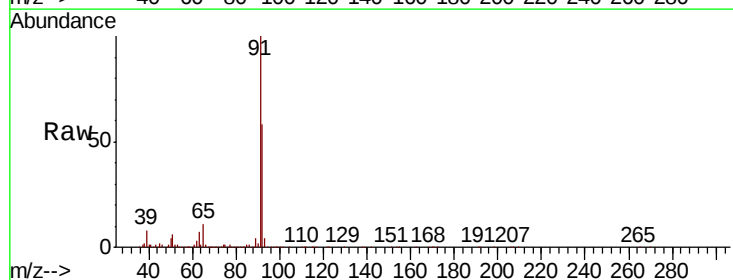
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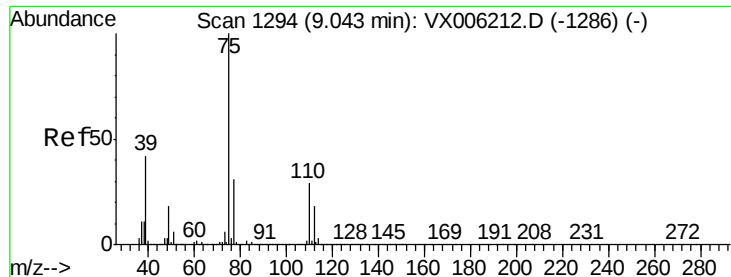
MMDadoda
12/12/2018 10:40:02 AM



#52
Toluene
Concen: 19.257 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 16.412 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 75 Resp: 170567

Ion Ratio Lower Upper

75 100

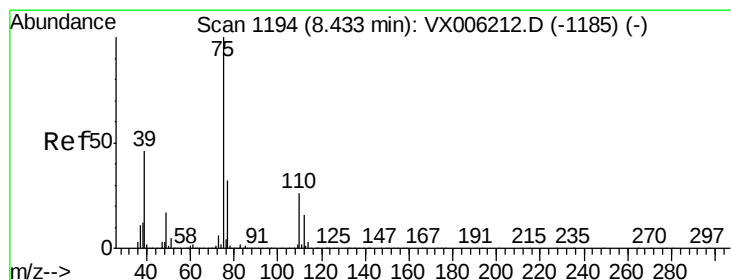
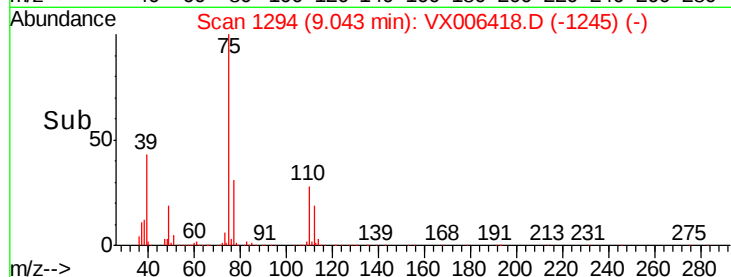
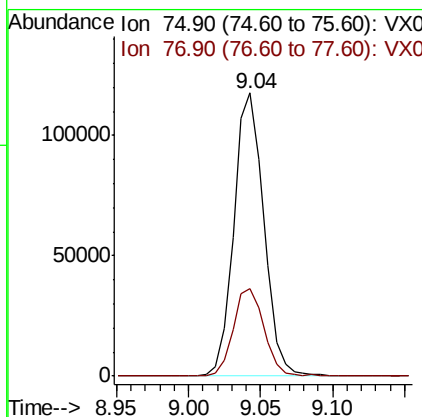
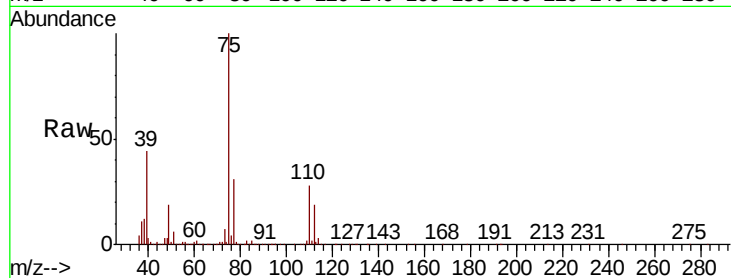
77 30.9 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 17.635 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

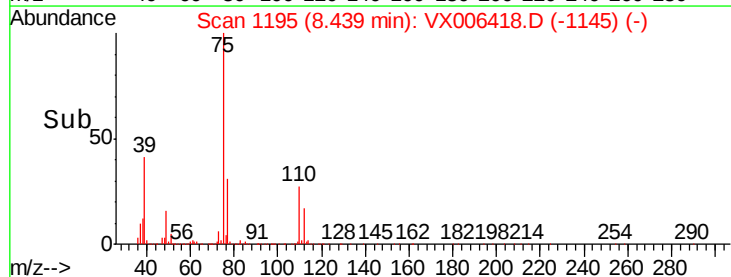
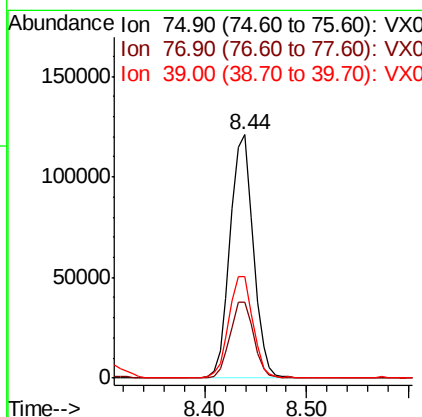
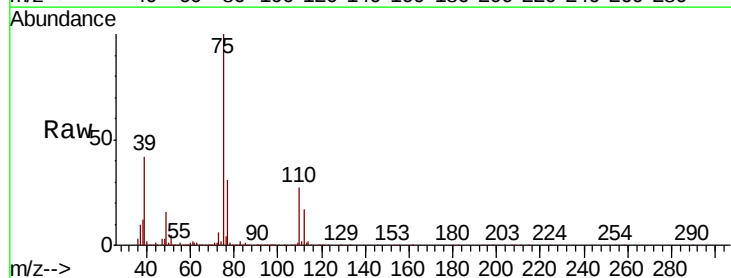
Tgt Ion: 75 Resp: 190318

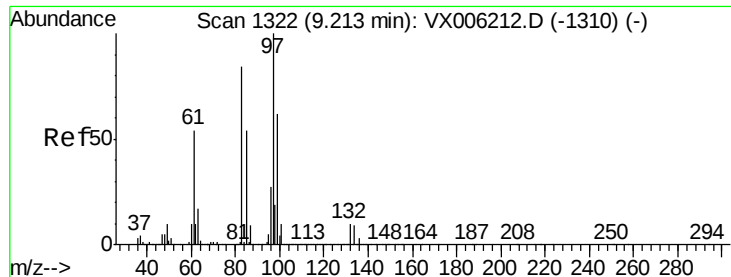
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 41.4 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 20.346 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

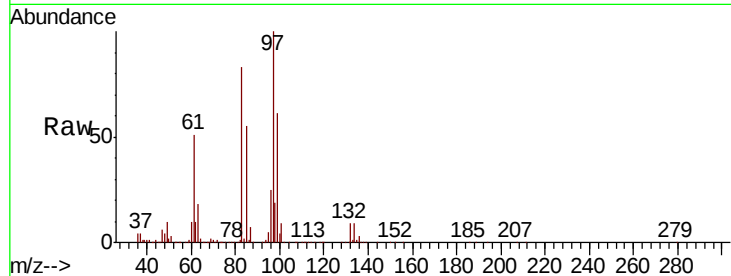
ClientSampleId :

VX1211WBS01

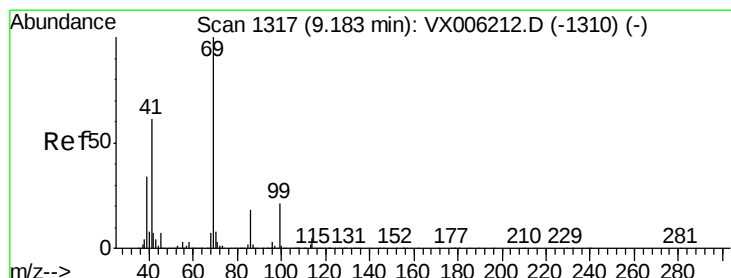
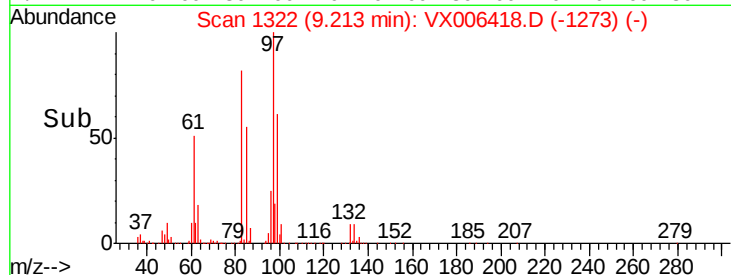
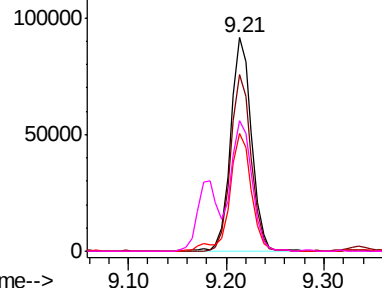
Tot Ion:	97	Resp:	135951
Ion Ratio	Lower	Upper	
97	100		
83	82.6	67.1	100.7
85	55.1	43.2	64.8
99	61.2	49.8	74.6

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



#56

Ethyl methacrylate

Concen: 18.952 ug/l

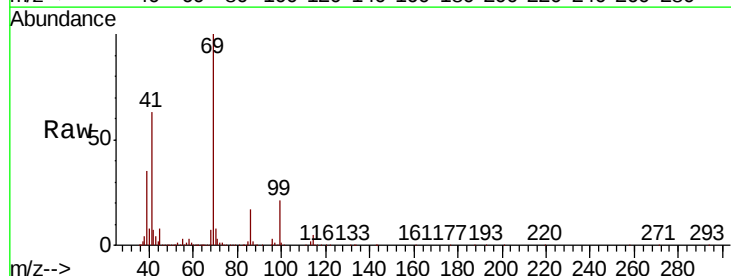
RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

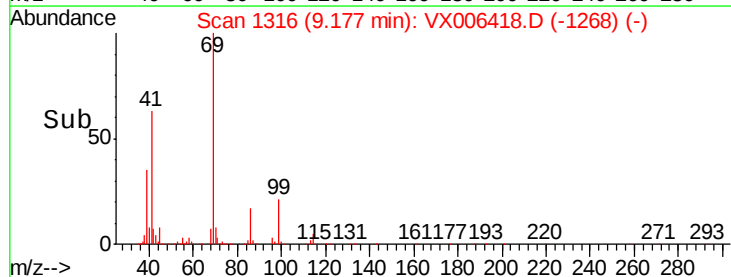
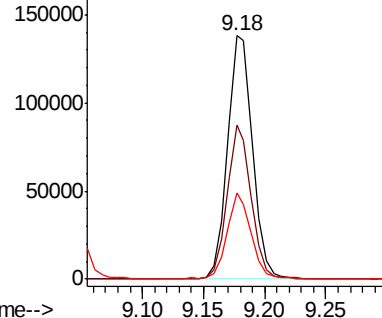
Lab File: VX006418.D

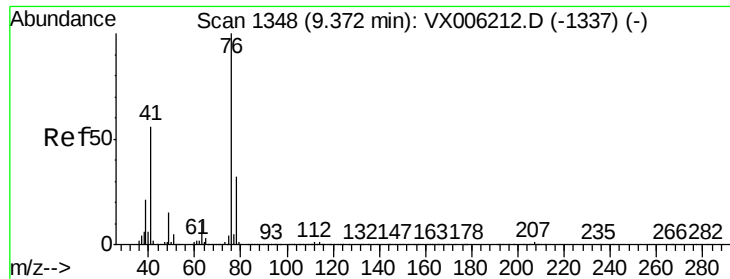
Acq: 11 Dec 2018 14:11

Tgt Ion:	69	Resp:	197976
Ion Ratio	Lower	Upper	
69	100		
41	60.6	50.6	76.0
39	33.4	27.6	41.4



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





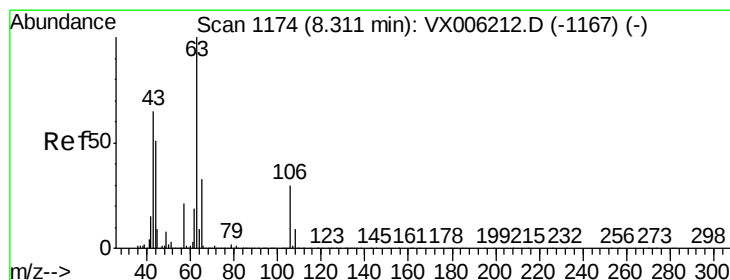
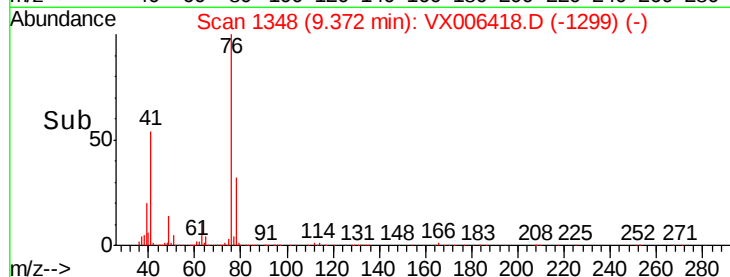
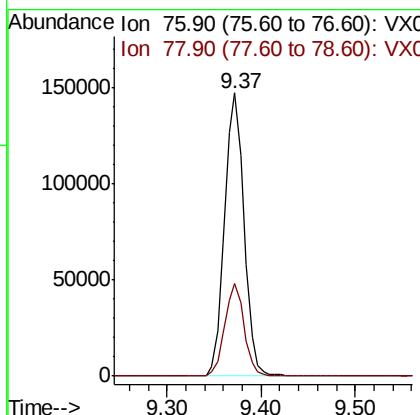
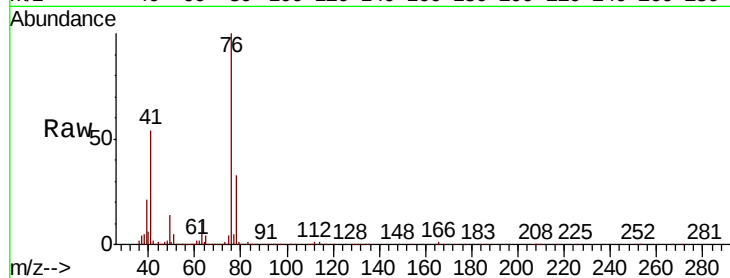
#57
 1,3-Dichloropropane
 Concen: 20.014 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

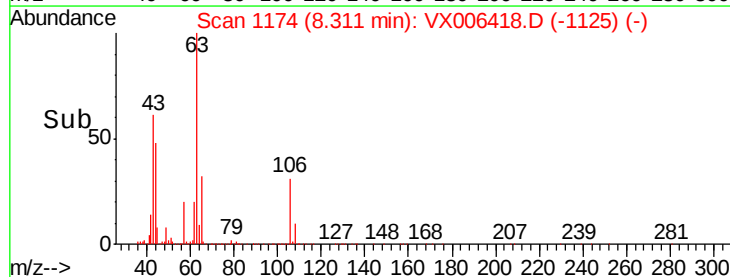
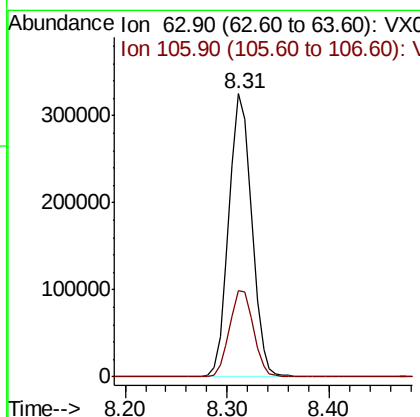
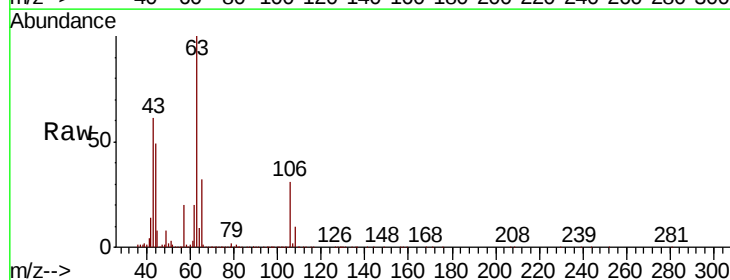
Manual Integrations
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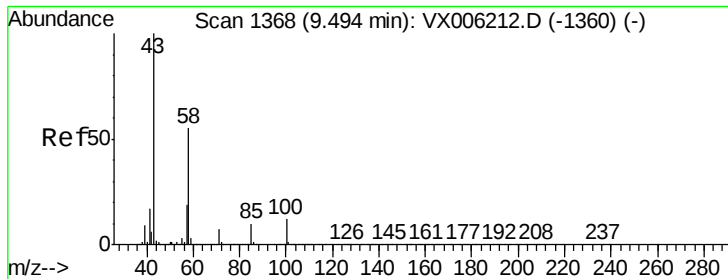
MMDadoda
 12/12/2018 10:40:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.387 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	24.9	37.3





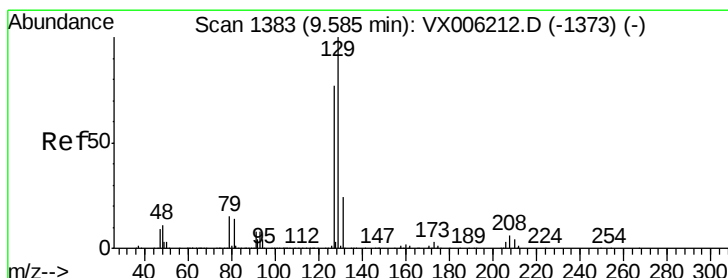
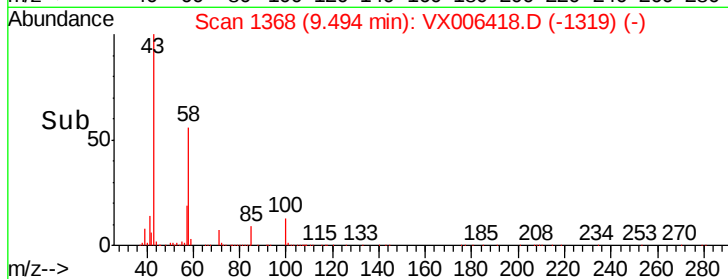
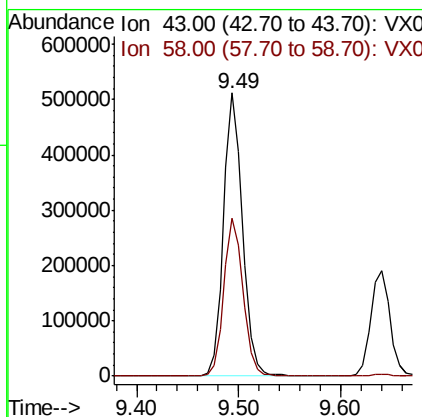
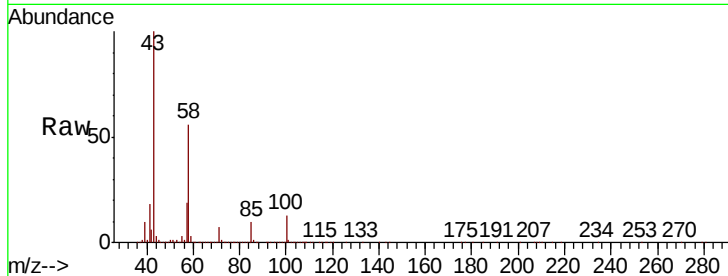
#59
2-Hexanone
Concen: 95.432 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.7	83.1

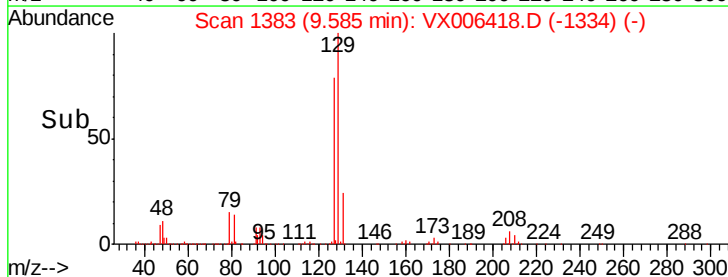
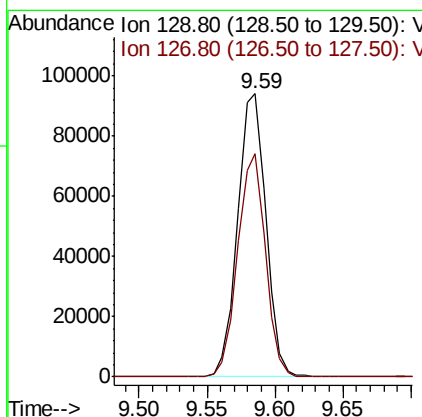
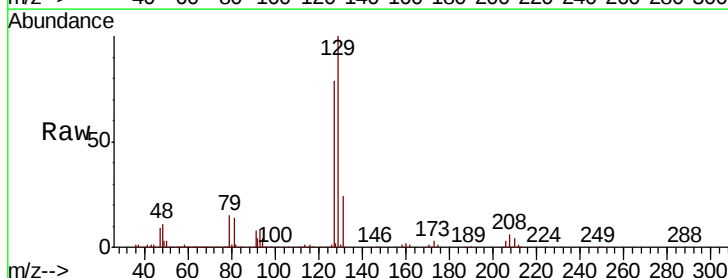
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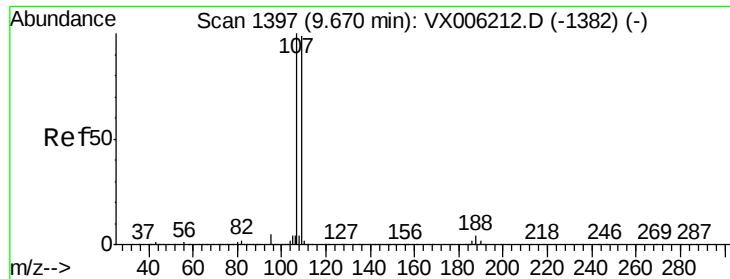
MMDadoda
12/12/2018 10:40:02 AM



#60
Dibromochloromethane
Concen: 16.575 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





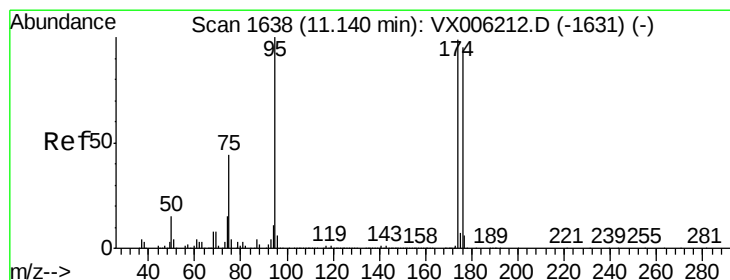
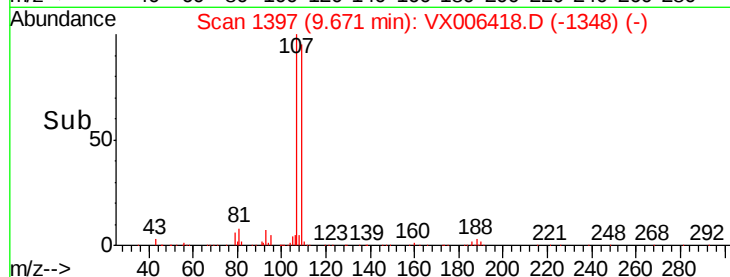
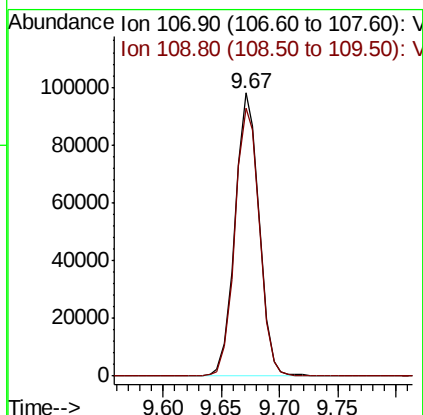
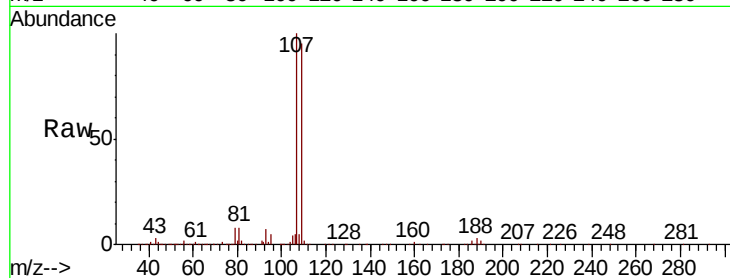
#61
 1,2-Dibromoethane
 Concen: 18.893 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	76.3	114.5

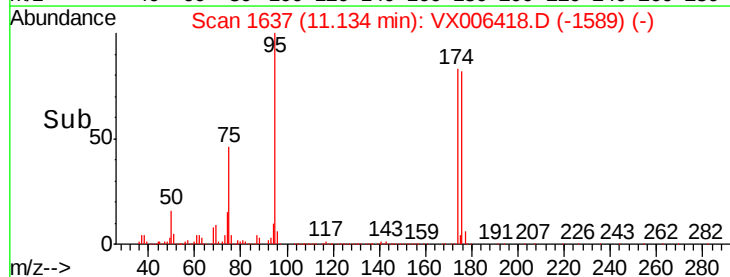
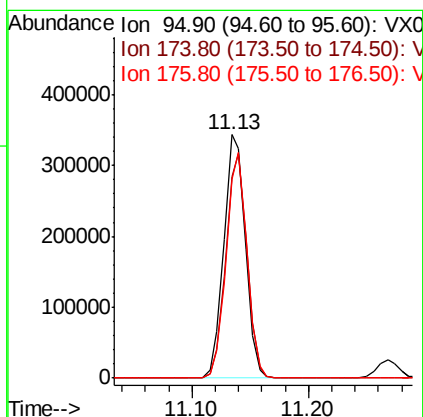
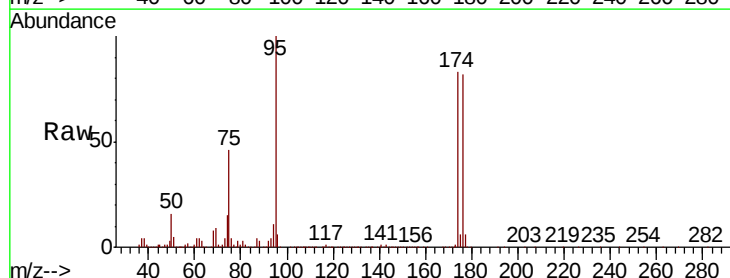
Manual Integrations
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MMDadoda
 12/12/2018 10:40:02 AM



#62
 4-Bromofluorobenzene
 Concen: 49.829 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	187.0
176	89.8	0.0	181.8





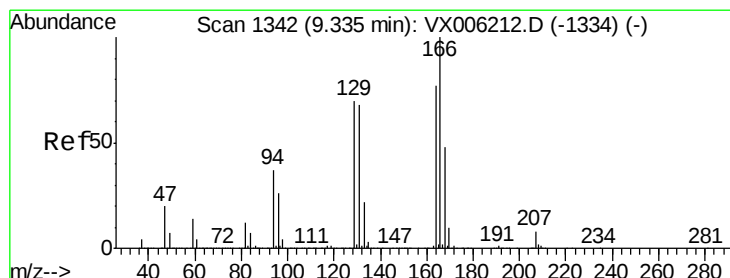
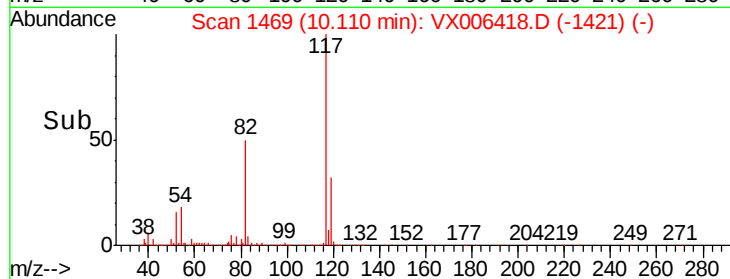
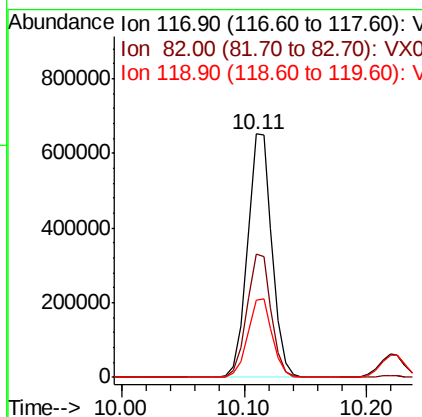
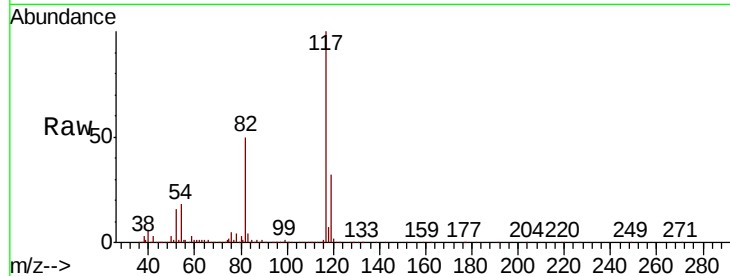
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	903850		
82	50.4	39.6	59.4	
119	31.7	26.3	39.5	

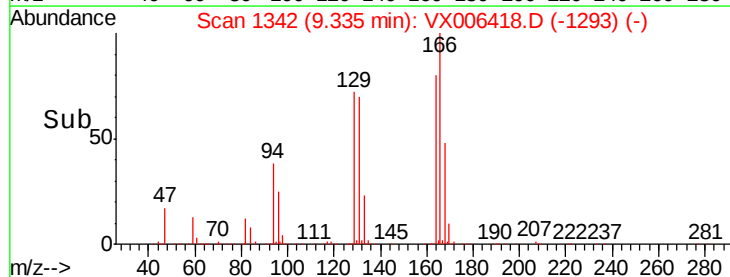
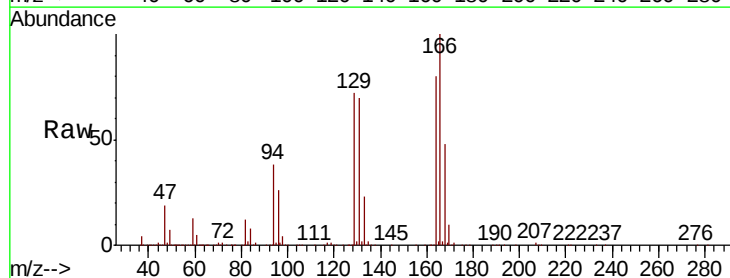
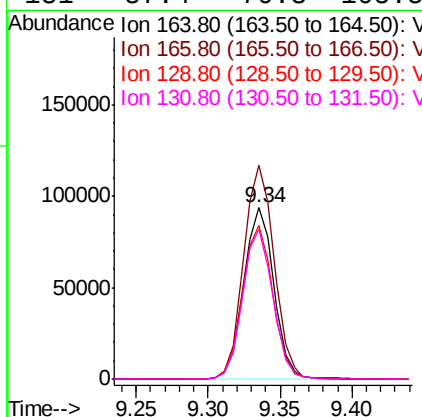
Manual Integrations
APPROVED

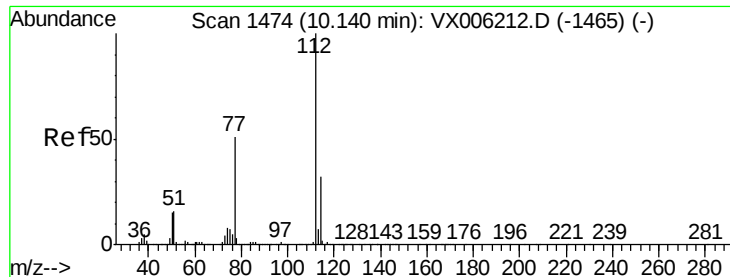
MMDadoda
12/12/2018 10:40:02 AM



#64
Tetrachloroethene
Concen: 19.795 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134739		
166	124.9	104.2	156.2	
129	89.8	72.6	108.8	
131	87.4	70.3	105.5	





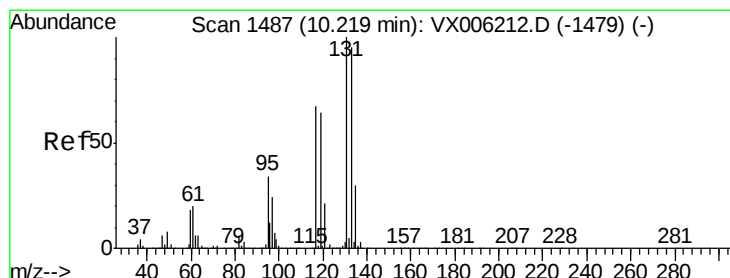
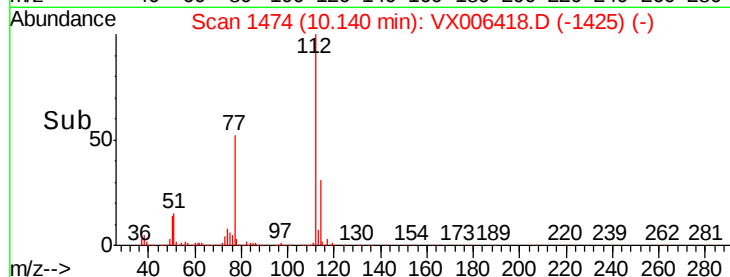
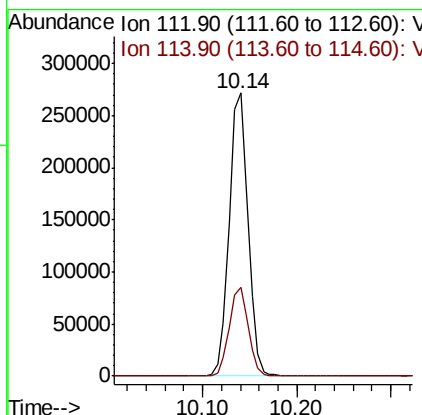
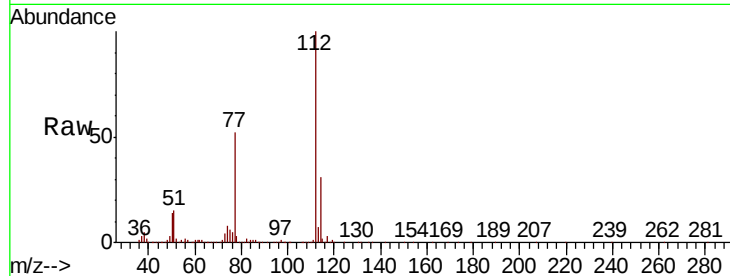
#65
Chlorobenzene
Concen: 19.674 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2

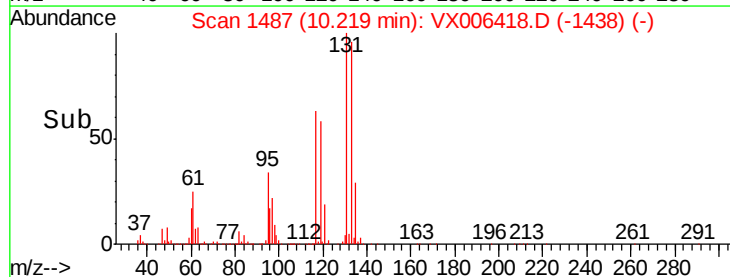
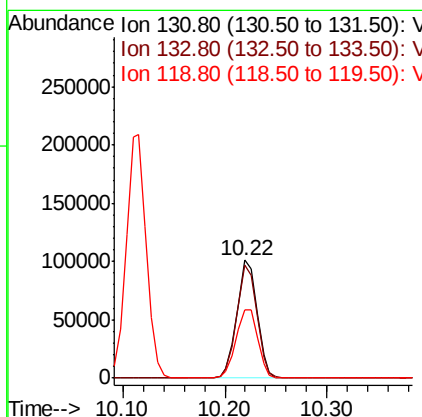
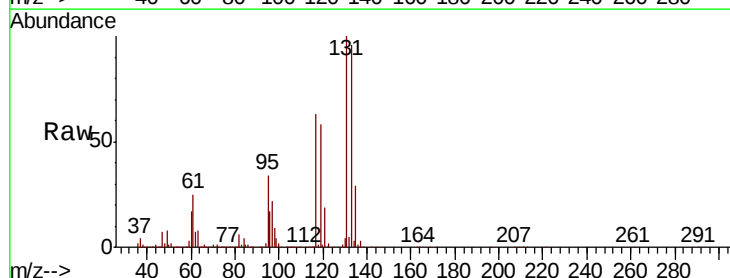
Manual Integrations
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12/12/2018 10:40:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.461 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.4
119	62.8	32.1	96.3





#67

Ethyl Benzene

Concen: 19.003 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 91 Resp: 606413

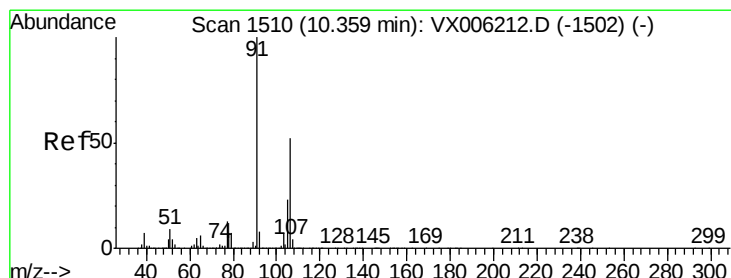
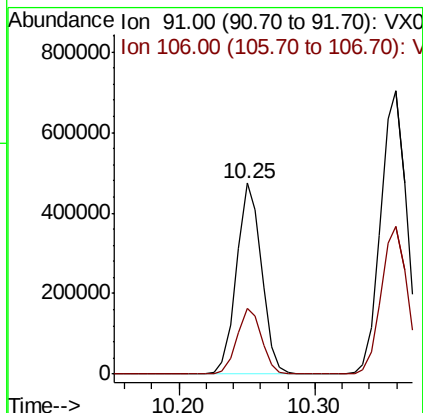
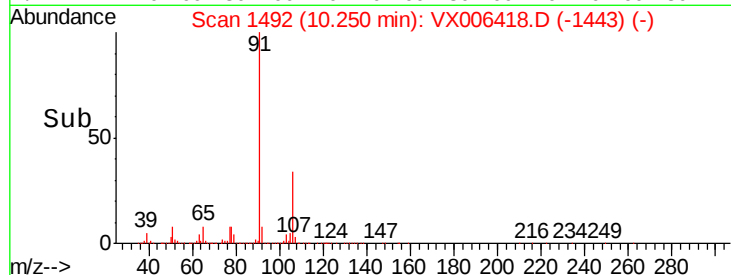
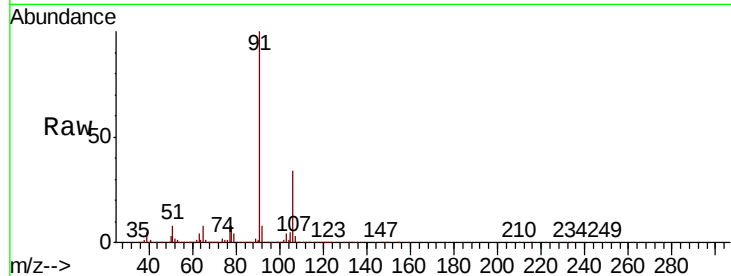
Ion Ratio Lower Upper

91 100

106 34.2 26.5 39.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.240 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006418.D

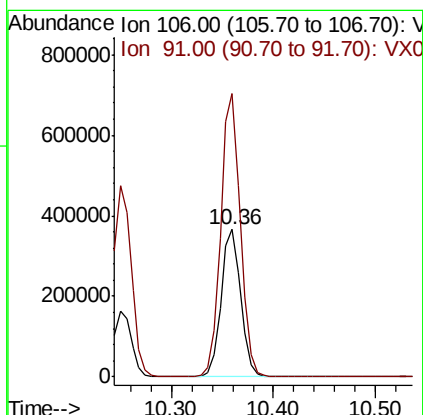
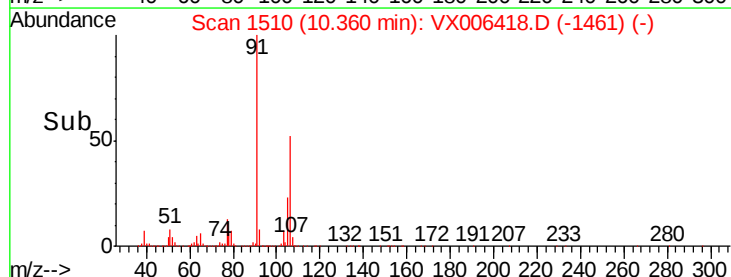
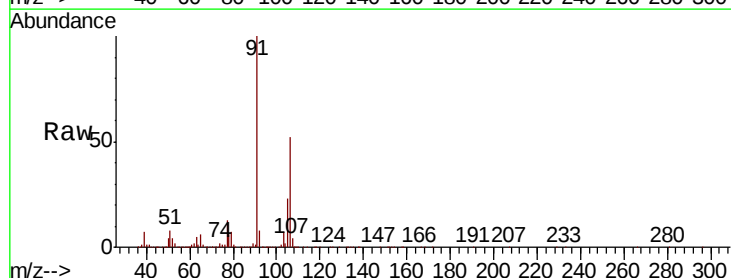
Acq: 11 Dec 2018 14:11

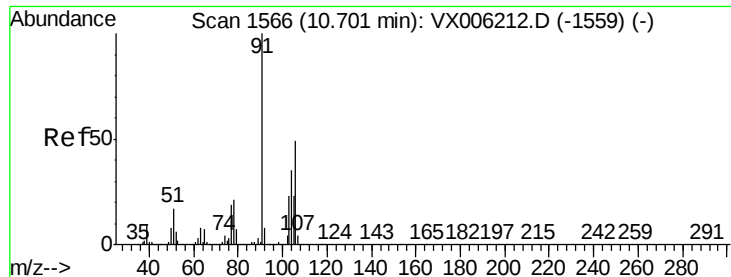
Tgt Ion: 106 Resp: 488819

Ion Ratio Lower Upper

106 100

91 192.0 155.2 232.8





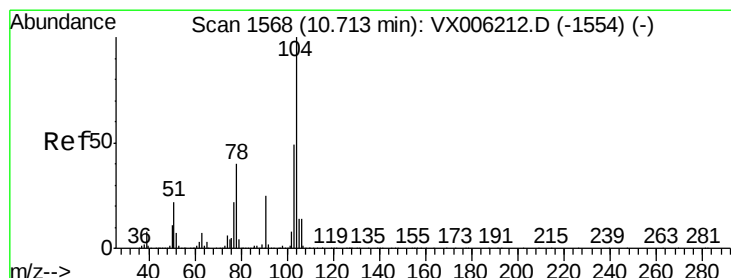
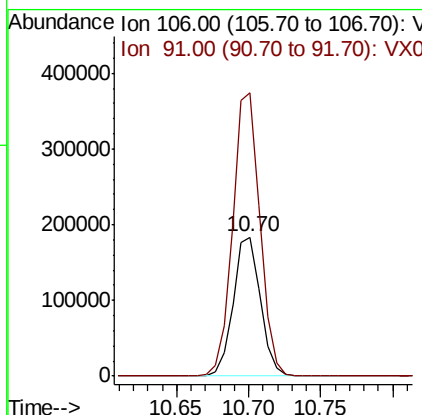
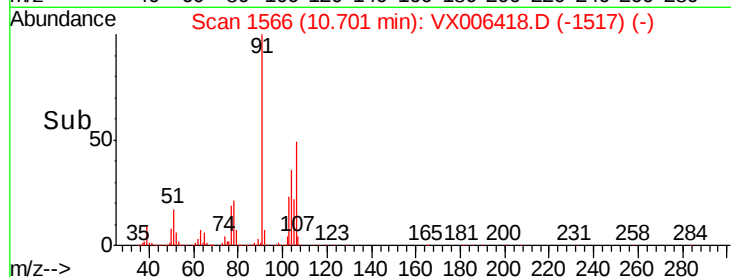
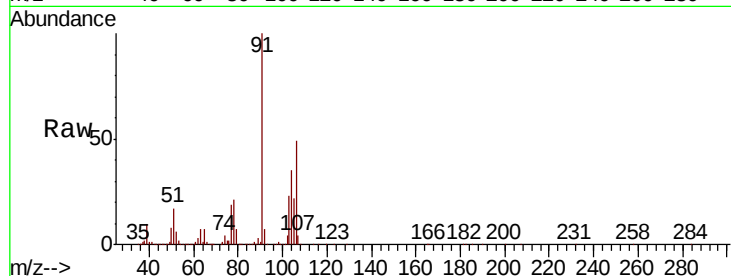
#69
o-Xylene
Concen: 19.178 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	101.8	305.6

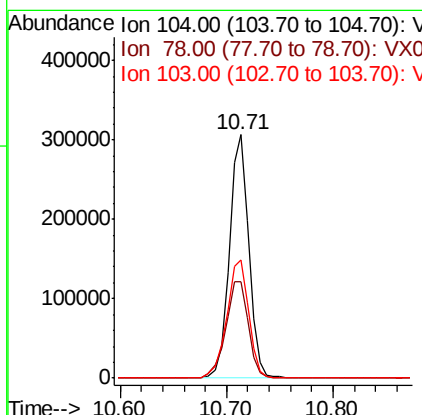
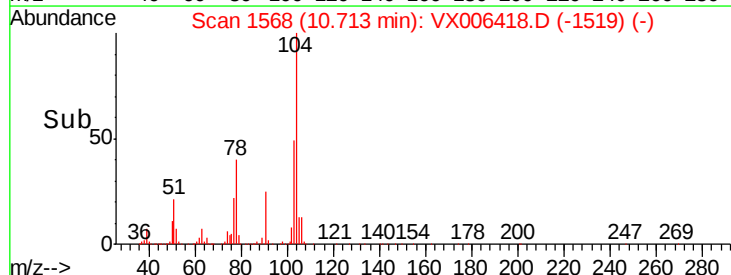
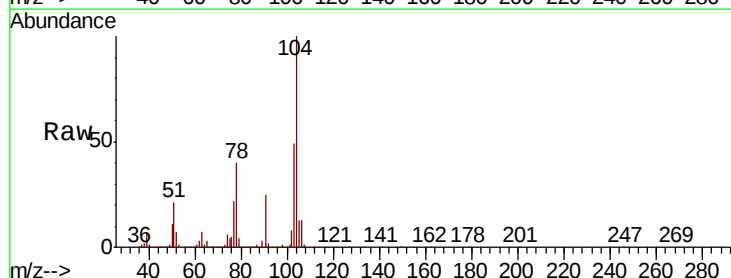
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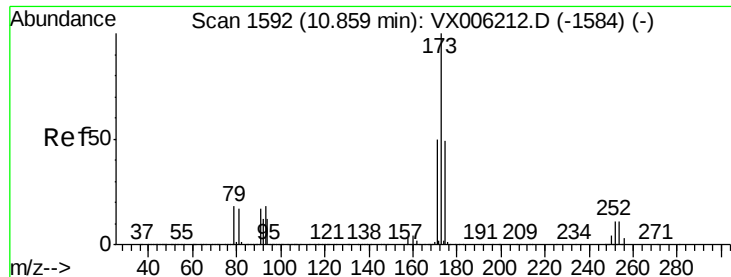
MMDadoda
12/12/2018 10:40:02 AM



#70
Styrene
Concen: 19.160 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.2	55.8
103	54.8	43.5	65.3





#71

Bromoform

Concen: 15.024 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampled :

VX1211WBS01

Tot Ion:173 Resp: 105728

Ion Ratio Lower Upper

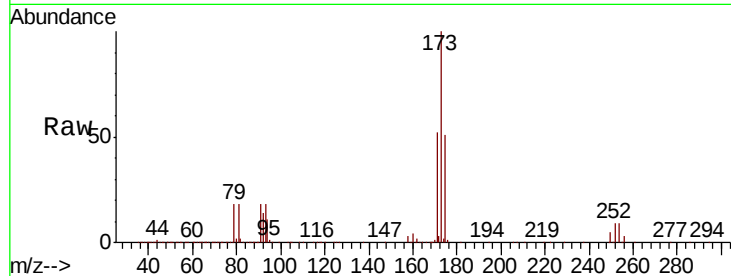
173 100

175 49.1 24.6 73.8

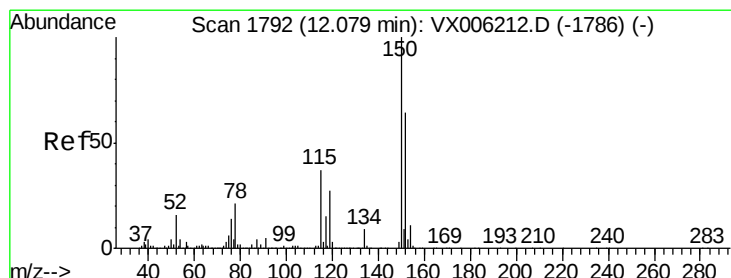
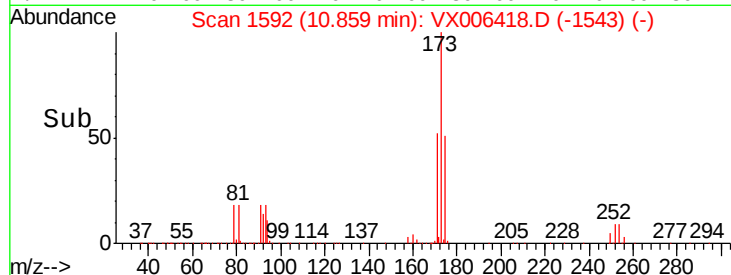
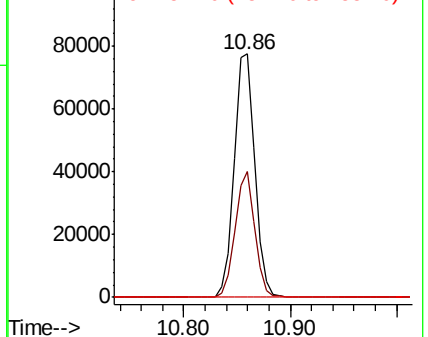
254 0.3 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

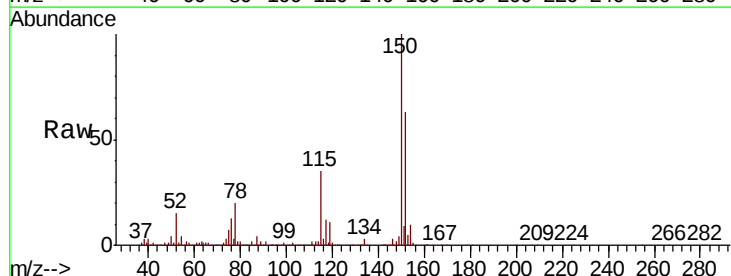
Tgt Ion:152 Resp: 468792

Ion Ratio Lower Upper

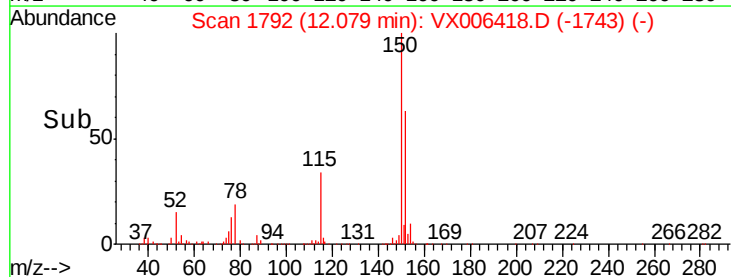
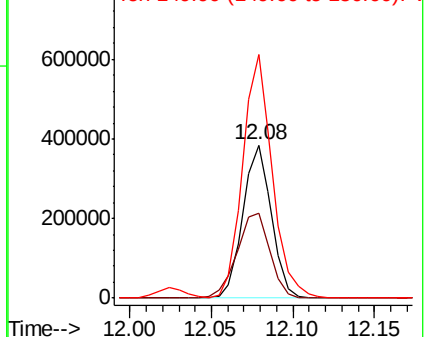
152 100

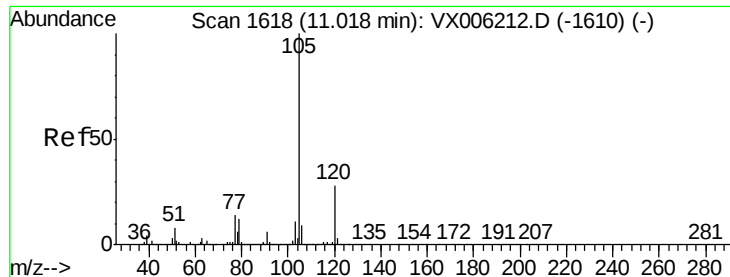
115 64.4 39.0 116.9

150 164.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.802 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion: 105 Resp: 641071

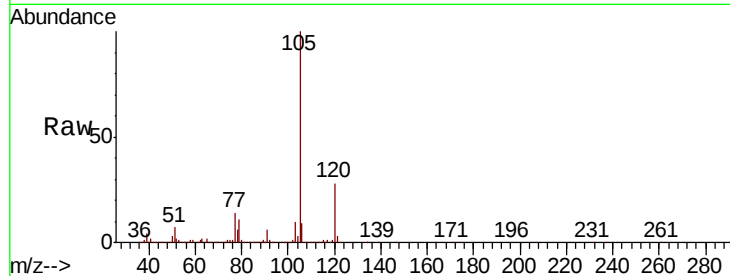
Ion Ratio Lower Upper

105 100

120 28.6 14.1 42.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

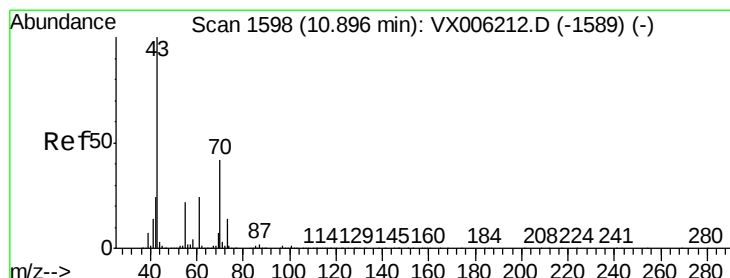
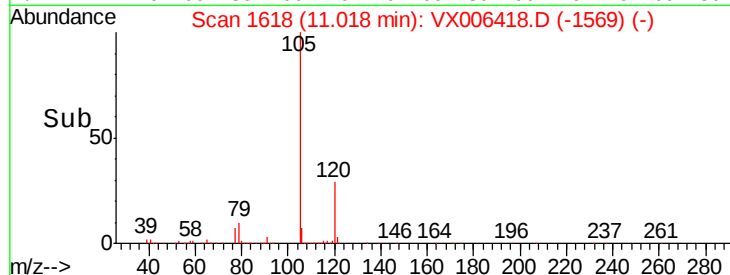
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 17.970 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion: 43 Resp: 250516

Ion Ratio Lower Upper

43 100

70 44.8 34.1 51.1

55 23.8 17.8 26.8

61 25.0 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

150000

100000

50000

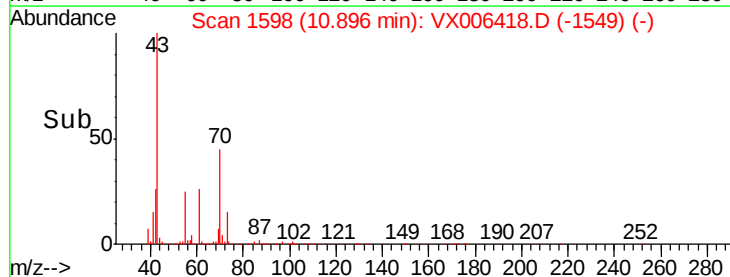
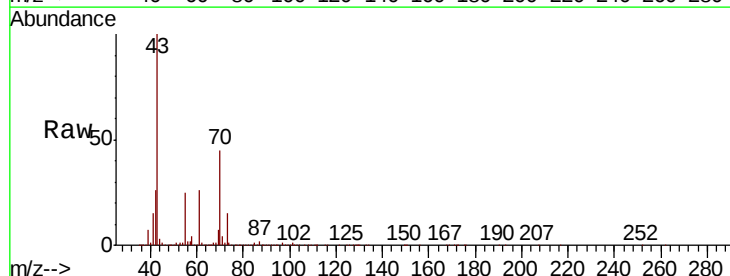
0

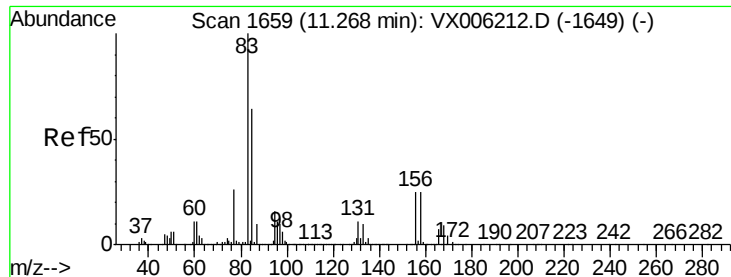
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.465 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

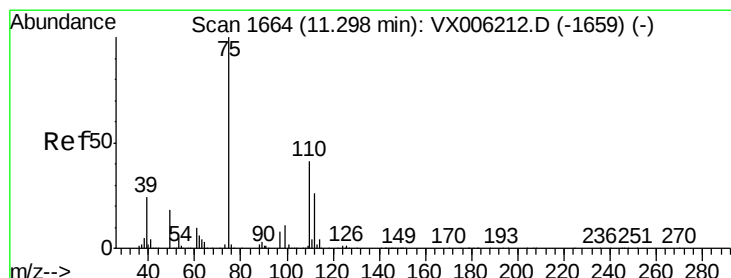
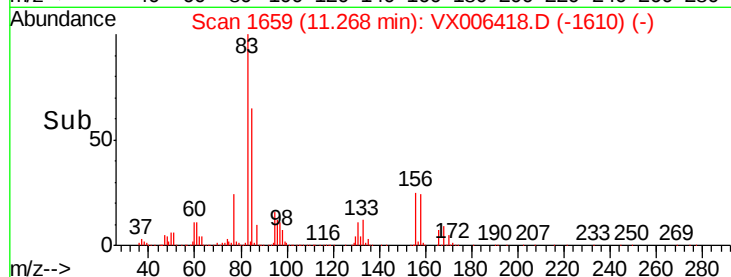
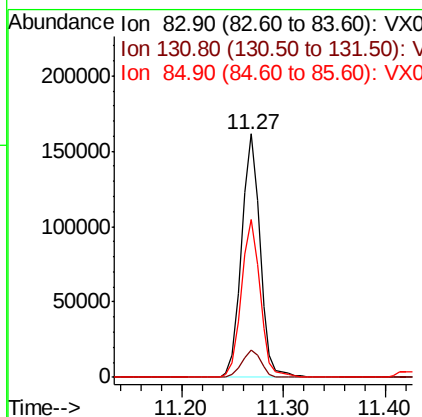
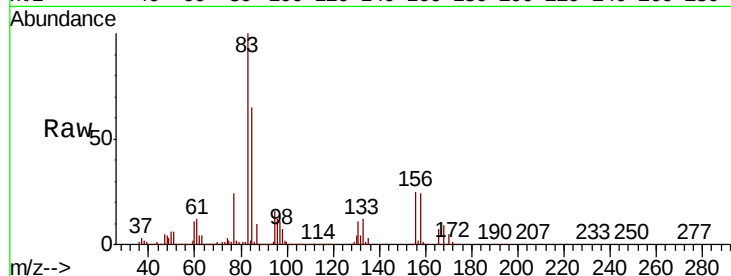
ClientSampleId :

VX1211WBS01

Tot Ion:	83	Resp:	201601
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.1
85	66.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.145 ug/l m

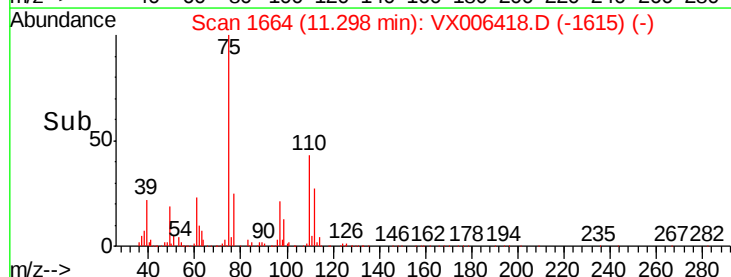
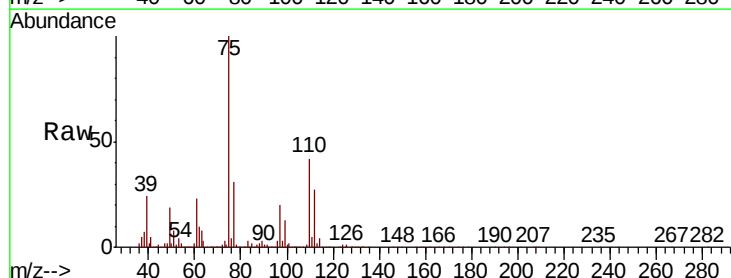
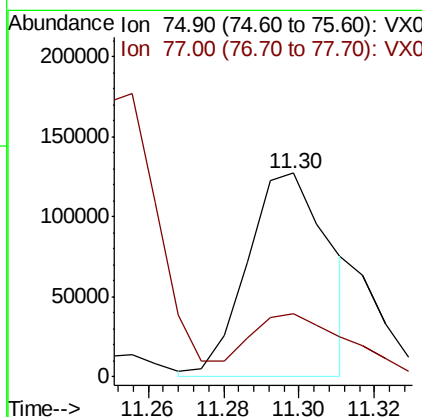
RT: 11.30 min Scan# 1664

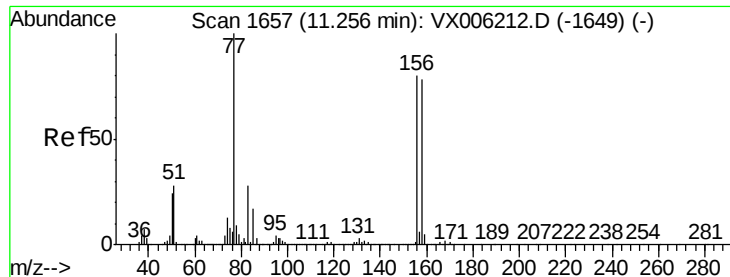
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	75	Resp:	191325
Ion Ratio	Lower	Upper	
75	100		
77	36.9	19.9	59.7





#77

Bromobenzene

Concen: 19.654 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion:156 Resp: 176582

Ion Ratio Lower Upper

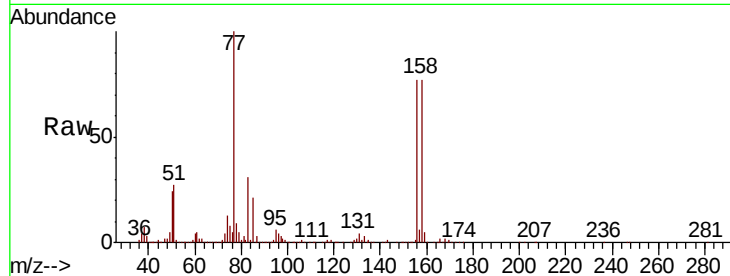
156 100

77 134.4 66.2 198.6

158 96.9 48.8 146.4

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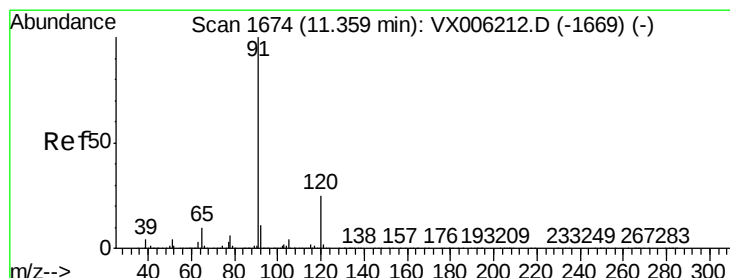
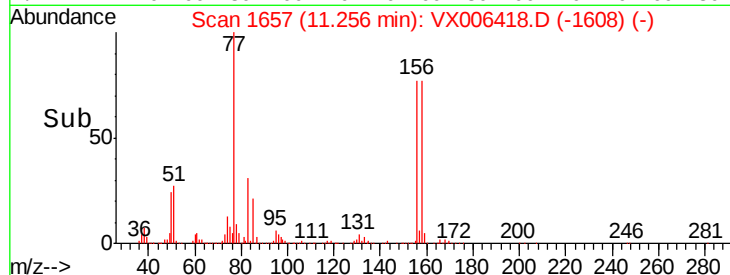
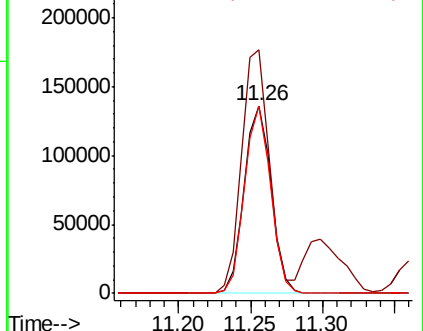
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.202 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006418.D

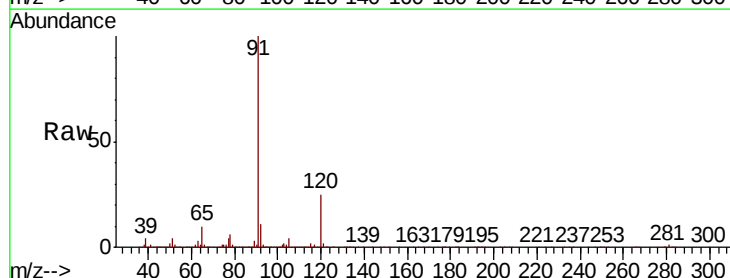
Acq: 11 Dec 2018 14:11

Tgt Ion: 91 Resp: 691025

Ion Ratio Lower Upper

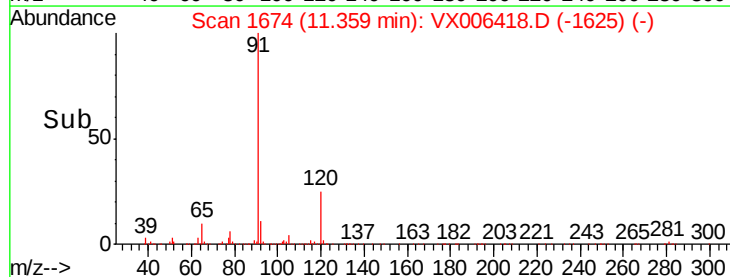
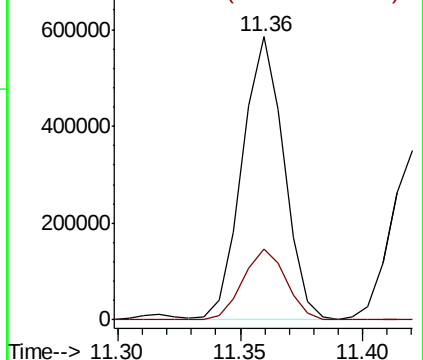
91 100

120 26.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





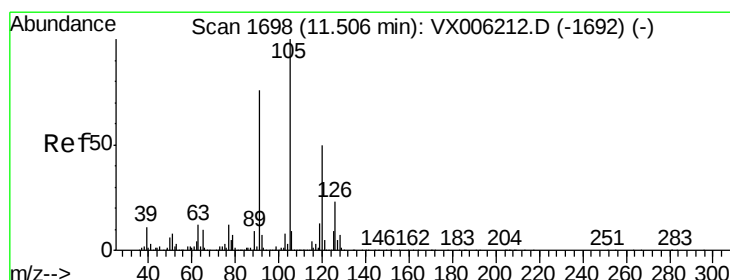
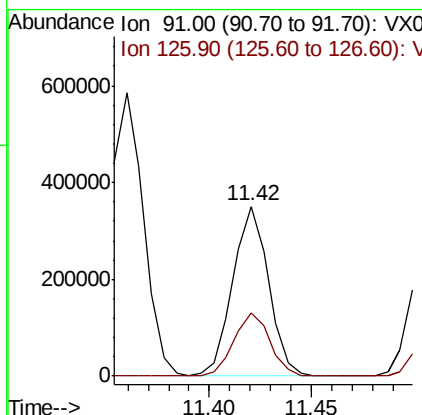
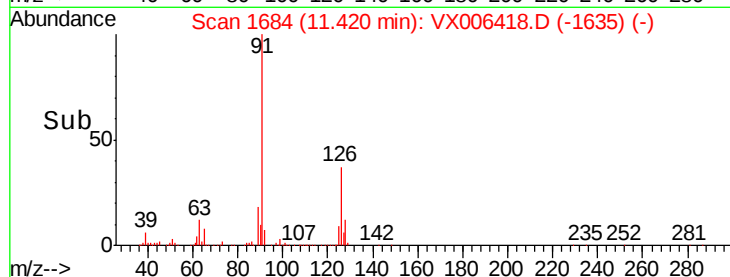
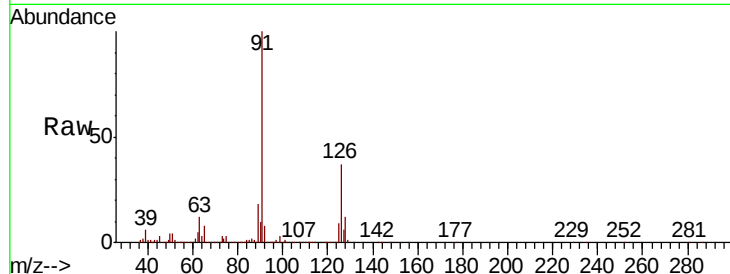
#79
2-Chlorotoluene
Concen: 19.800 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion: 91 Resp: 423510
Ion Ratio Lower Upper
91 100
126 37.8 18.6 56.0

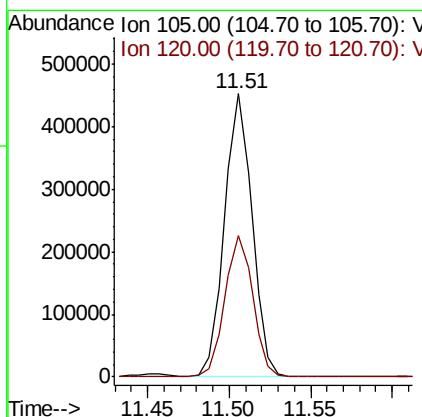
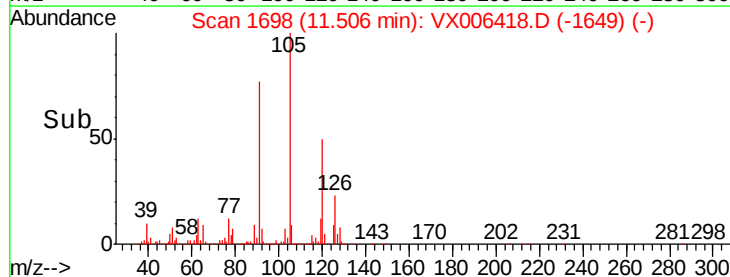
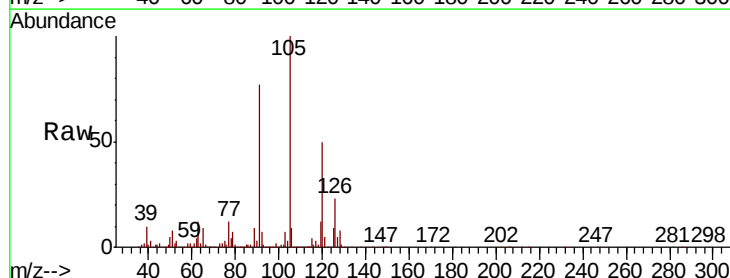
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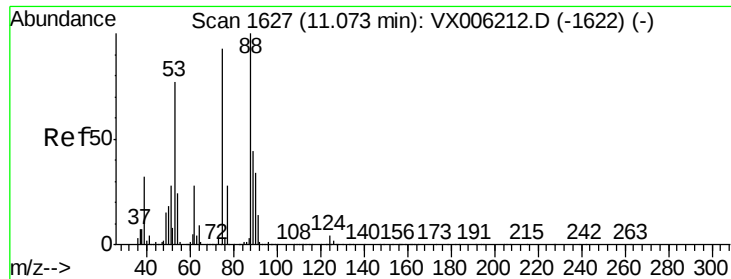
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#80
1,3,5-Trimethylbenzene
Concen: 19.770 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion: 105 Resp: 532543
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.945 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

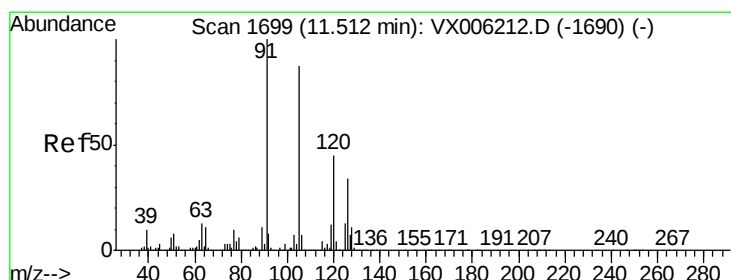
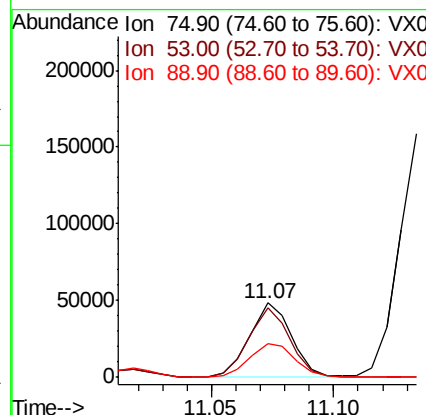
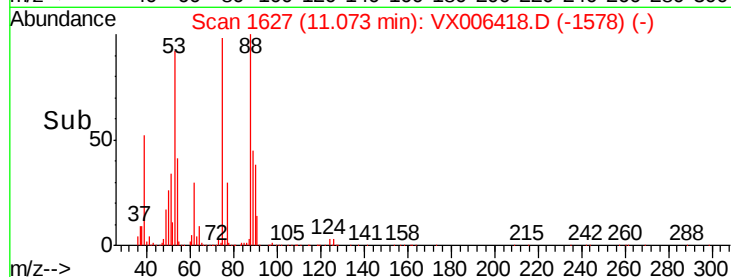
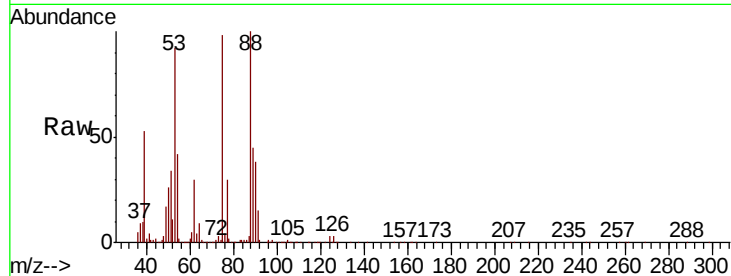
ClientSampleId :

VX1211WBS01

Tot Ion:	75	Resp:	57626
Ion	Ratio	Lower	Upper
75	100		
53	92.4	64.4	96.6
89	49.6	44.2	66.4

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#82

4-Chlorotoluene

Concen: 19.640 ug/l

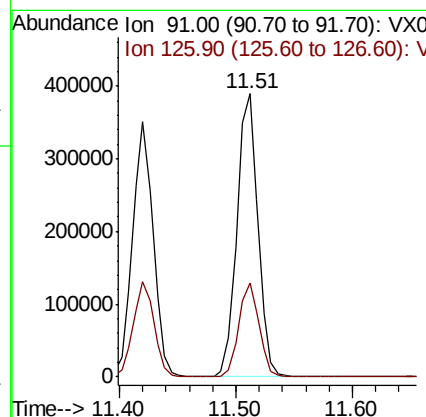
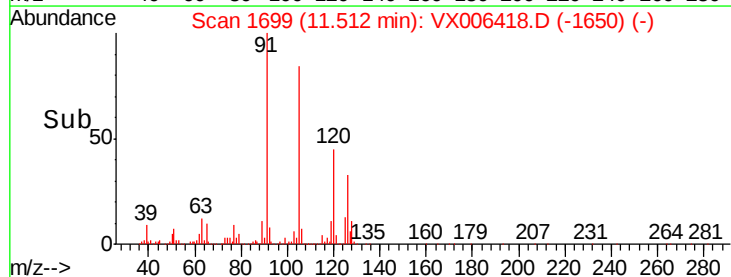
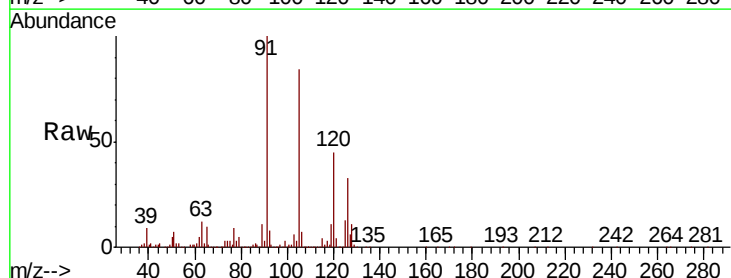
RT: 11.51 min Scan# 1699

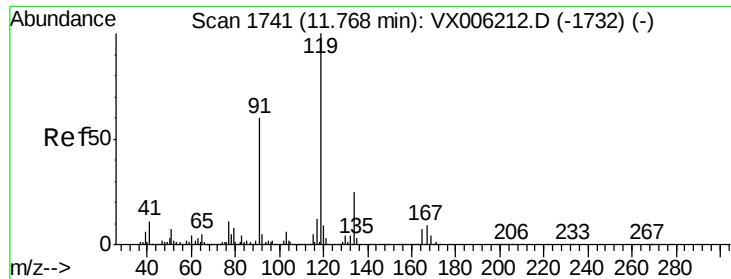
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	91	Resp:	488428
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4





#83

tert-Butylbenzene

Concen: 19.541 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

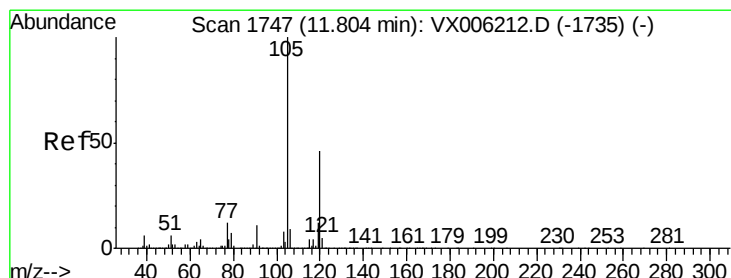
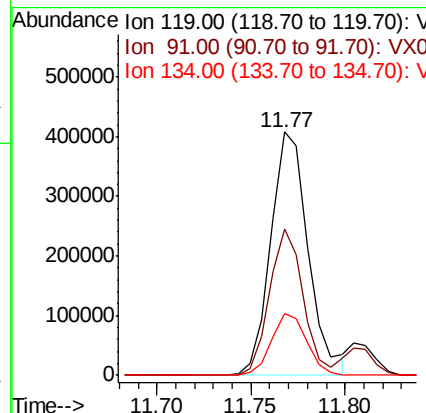
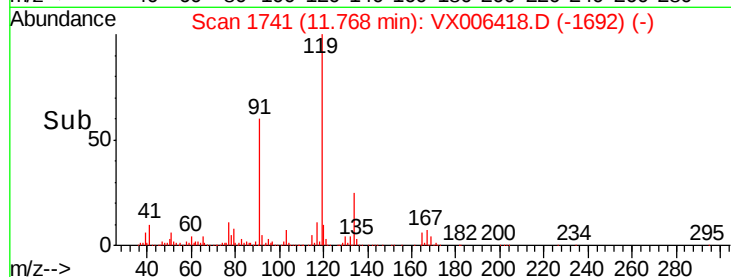
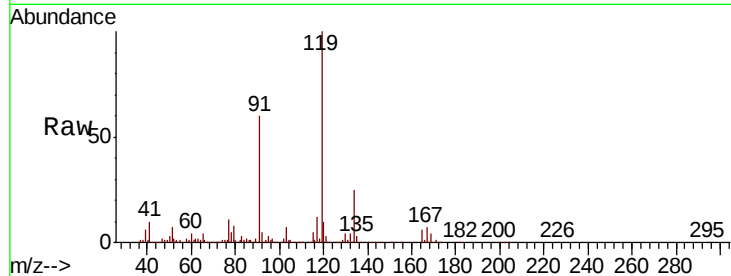
ClientSampleId :

VX1211WBS01

Tot Ion:	119	Resp:	561614
Ion Ratio	Lower	Upper	
119	100		
91	53.8	26.4	79.2
134	23.8	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.292 ug/l

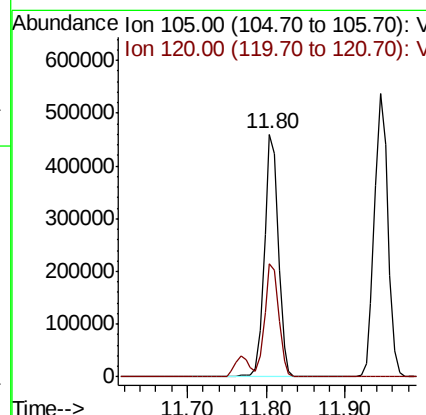
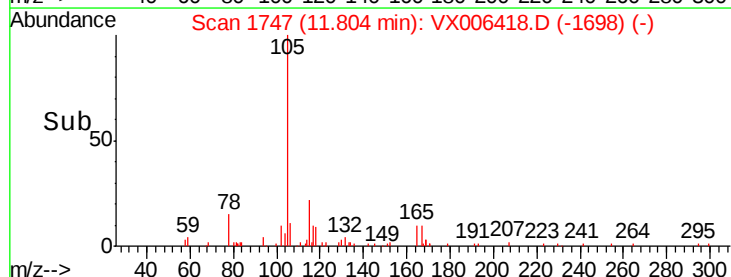
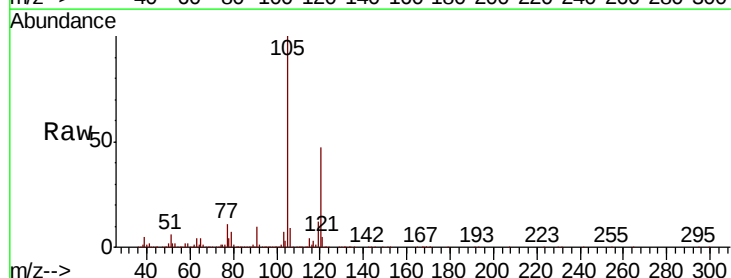
RT: 11.80 min Scan# 1747

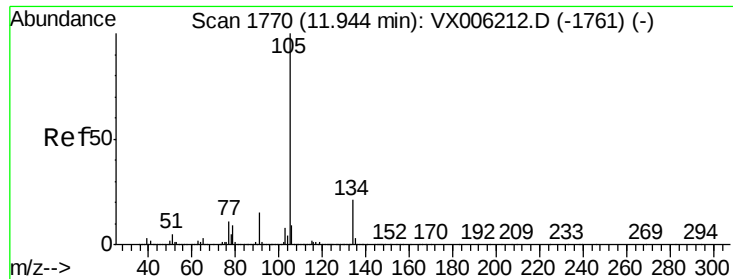
Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion:	105	Resp:	564412
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 19.698 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBS01

Tot Ion:105 Resp: 644042

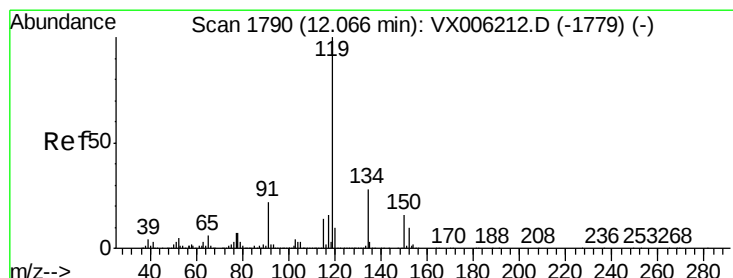
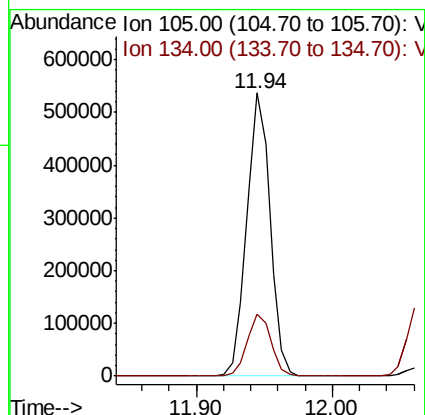
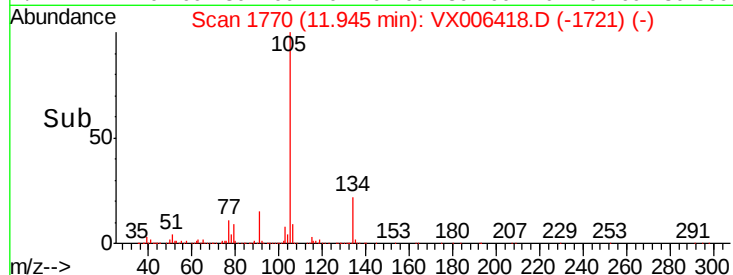
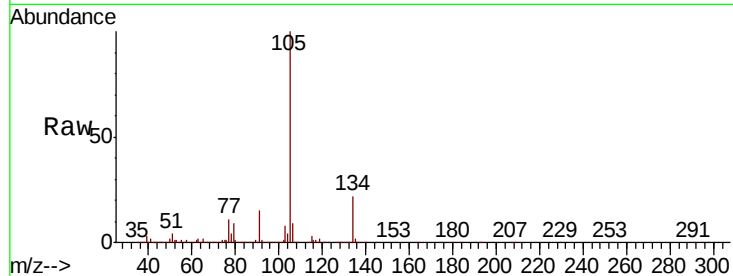
Ion Ratio Lower Upper

105 100

134 22.3 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 19.651 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

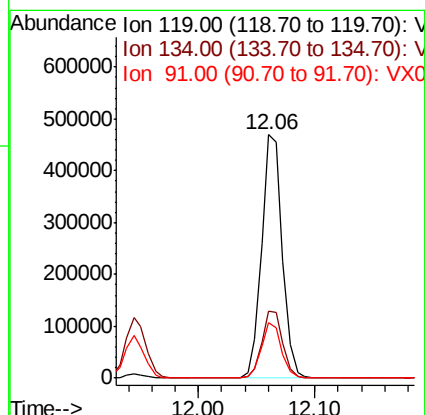
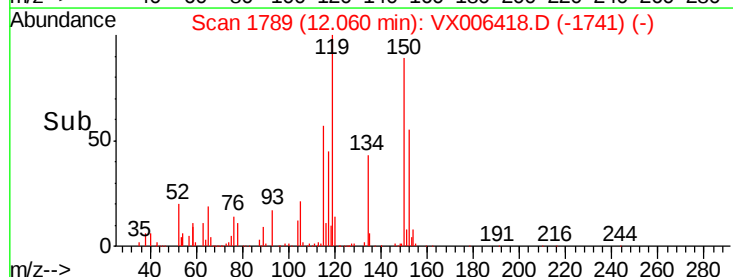
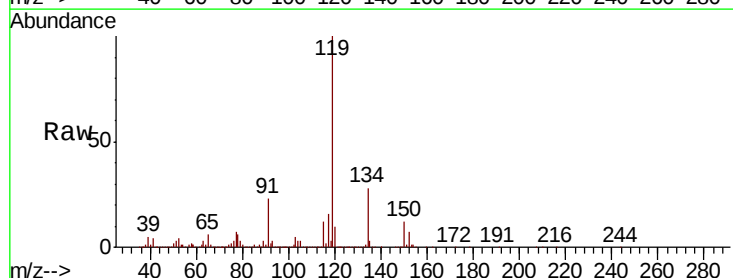
Tgt Ion:119 Resp: 578565

Ion Ratio Lower Upper

119 100

134 28.0 13.9 41.6

91 22.6 11.3 33.8





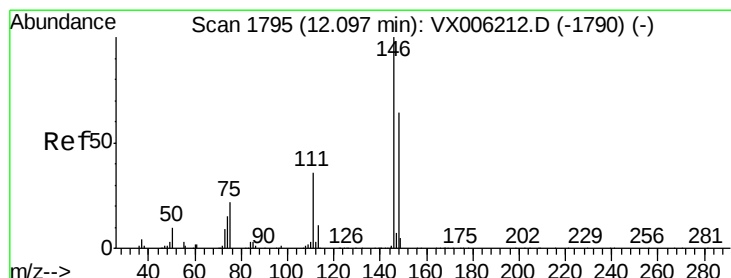
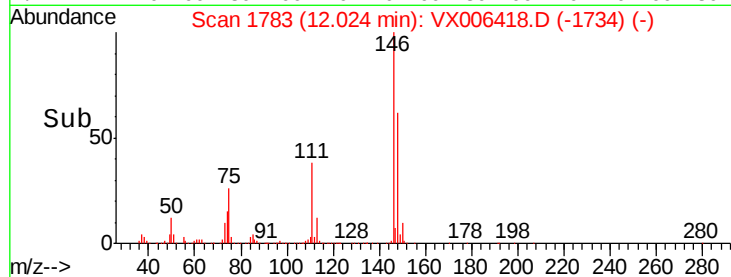
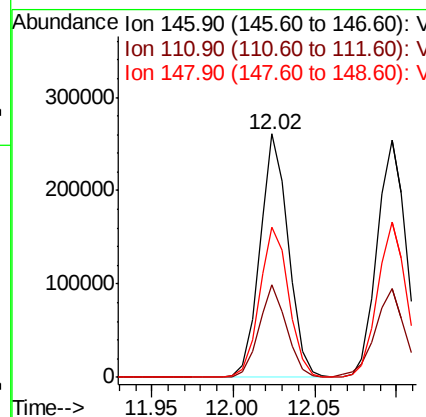
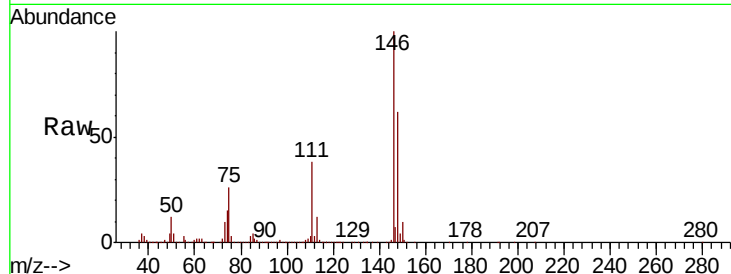
#87
 1,3-Dichlorobenzene
 Concen: 19.658 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	63.5	32.0	96.0

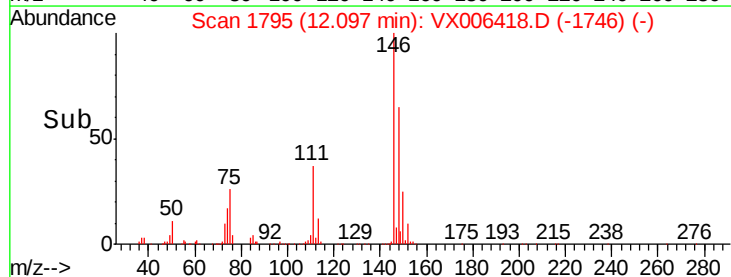
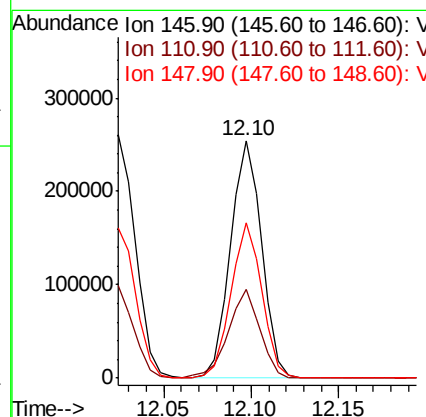
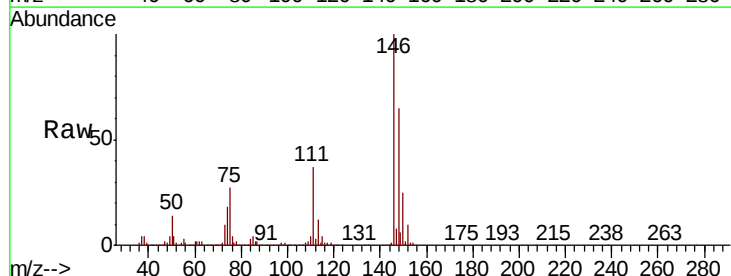
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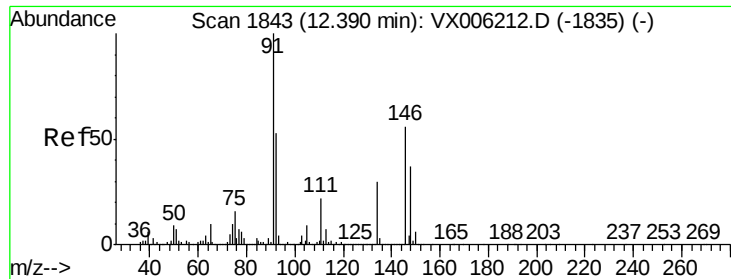
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#88
 1,4-Dichlorobenzene
 Concen: 19.346 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.8
148	64.8	31.9	95.9





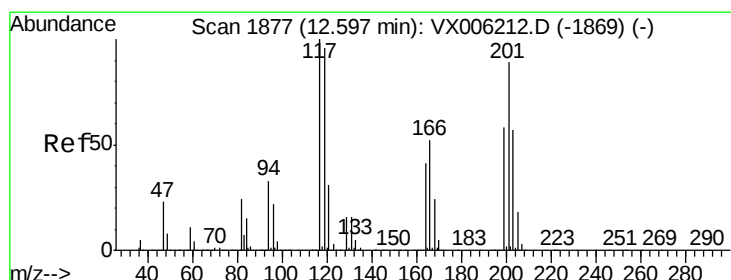
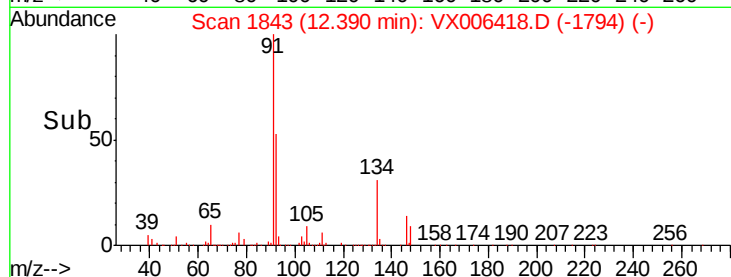
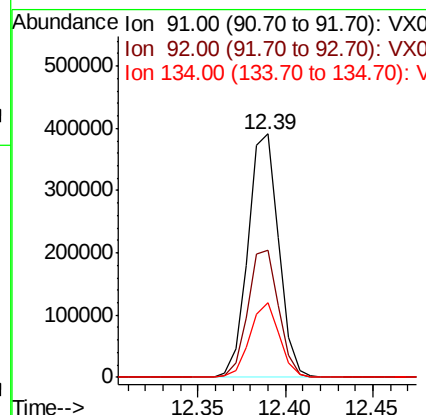
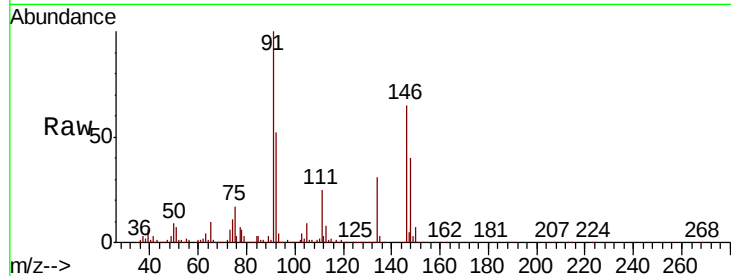
#89
n-Butylbenzene
Concen: 18.934 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	30.0	14.8	44.3

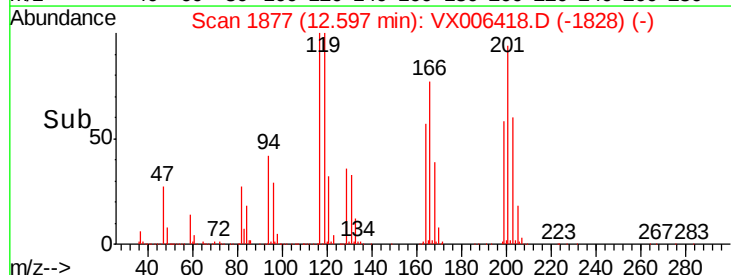
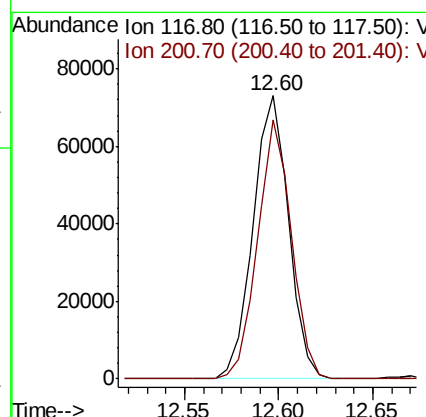
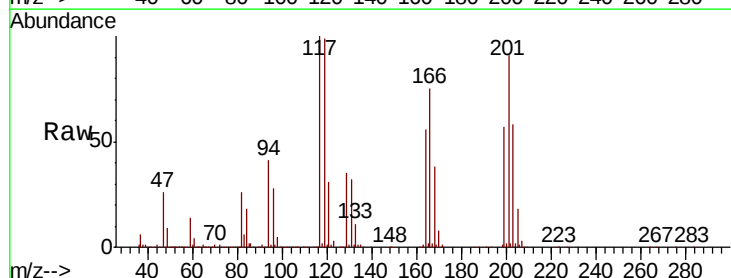
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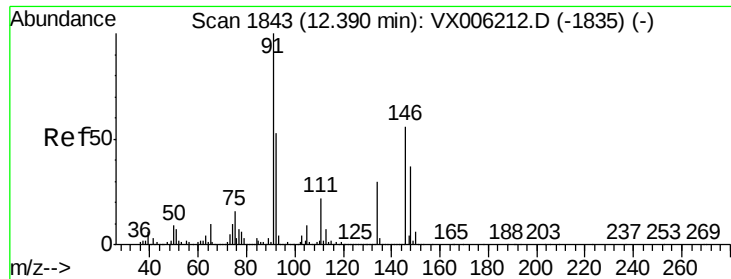
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#90
Hexachloroethane
Concen: 15.903 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.7	134.1





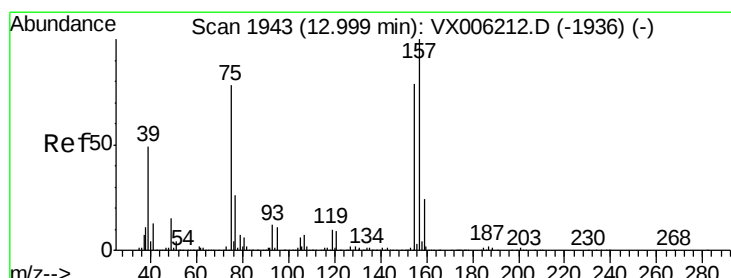
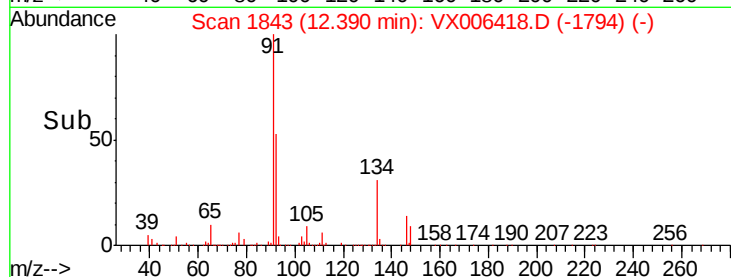
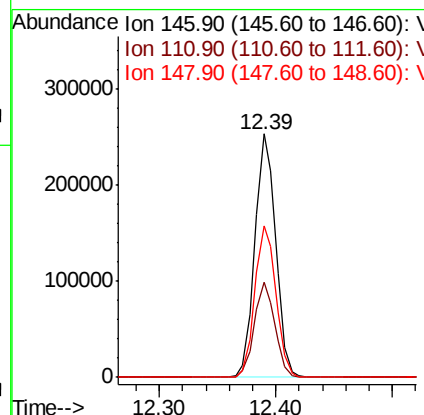
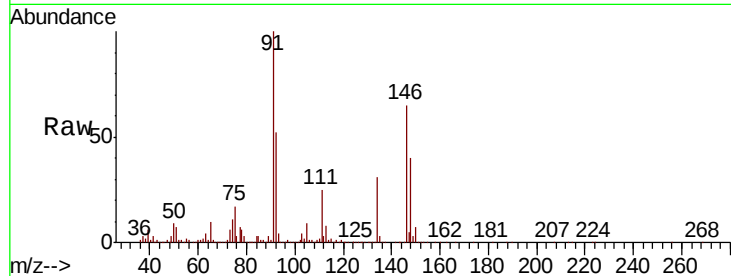
#91
 1,2-Dichlorobenzene
 Concen: 19.954 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	316590		
111	38.5	19.1	57.3	
148	63.5	32.1	96.3	

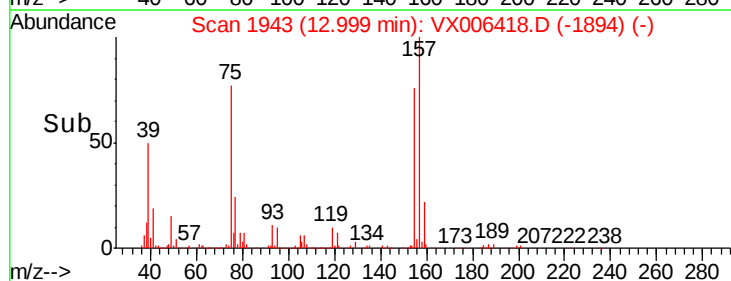
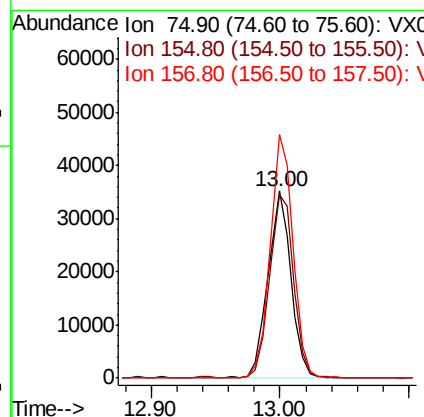
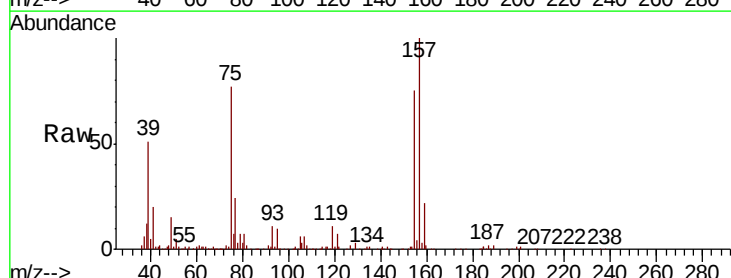
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.493 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006418.D
 Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43788		
155	102.4	53.4	160.3	
157	128.6	68.0	203.8	





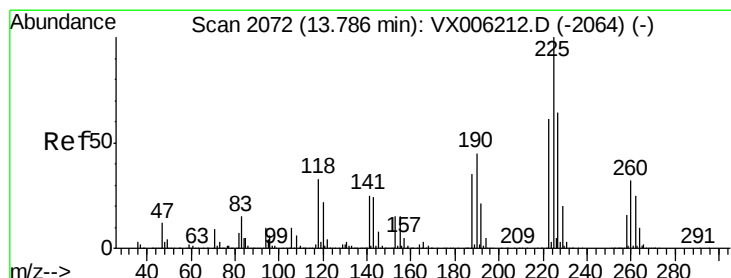
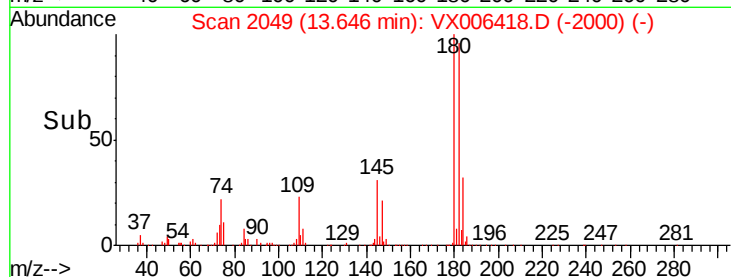
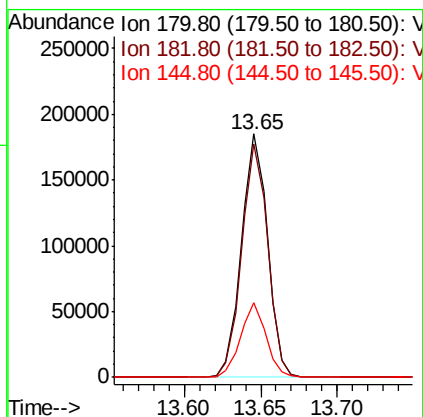
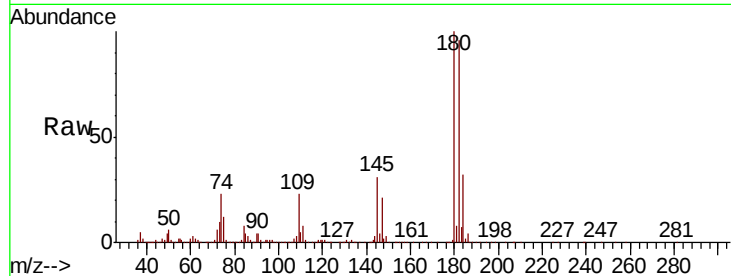
#93
1,2,4-Trichlorobenzene
Concen: 18.909 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218881		
182	95.9	47.3	141.9	
145	29.6	14.6	43.8	

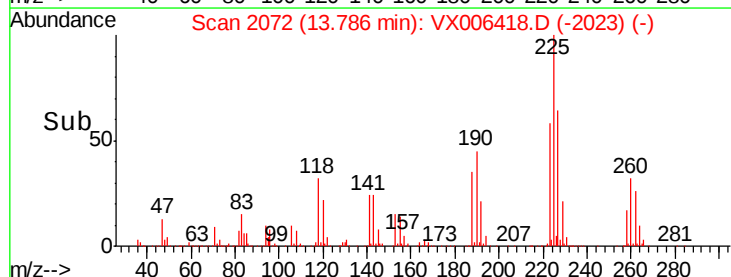
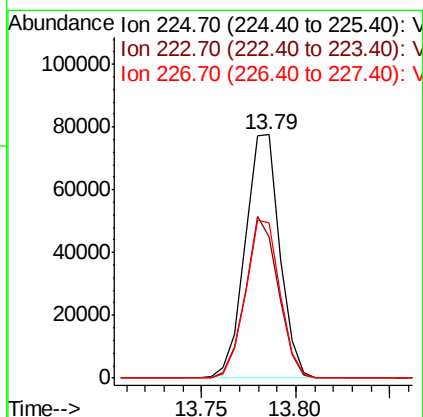
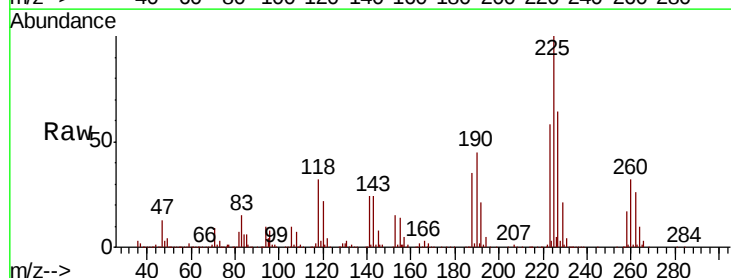
Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:02 AM



#94
Hexachlorobutadiene
Concen: 19.322 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX006418.D
Acq: 11 Dec 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98909		
223	63.1	31.2	93.6	
227	64.5	31.9	95.5	





#95

Naphthalene

Concen: 19.612 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Instrument :

MSVOA_X

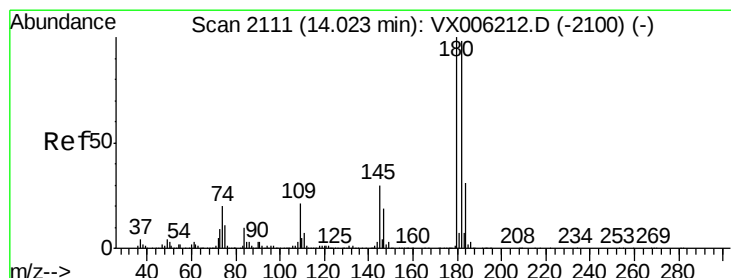
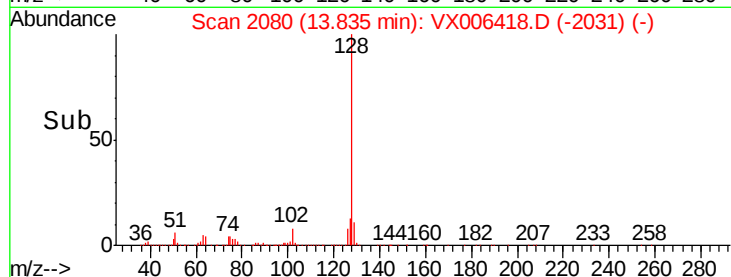
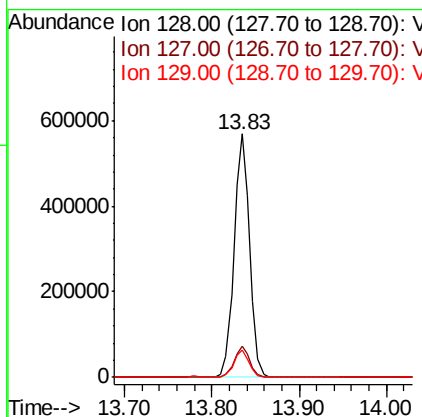
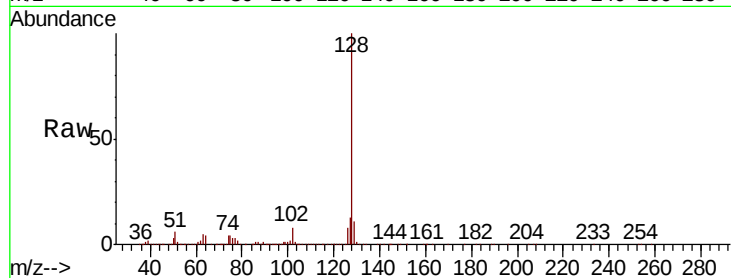
ClientSampleId :

VX1211WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		706158		
127	12.8	10.2	15.4		
129	11.0	8.9	13.3		

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.466 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006418.D

Acq: 11 Dec 2018 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		223177		
182	96.5	48.4	145.2		
145	32.5	15.6	46.8		

