

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006512.D
 Acq On : 14 Dec 2018 12:32
 Operator : JC/MD
 Sample : VX1214WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:34:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	600536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	916472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	839342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	448094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310293	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.51	113	288083	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	8.71	98	1055488	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	413685	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	123721	21.041	ug/l	97
3) Chloromethane	1.33	50	124646	20.628	ug/l	95
4) Vinyl Chloride	1.41	62	132812	20.422	ug/l	100
5) Bromomethane	1.64	94	129535	28.741	ug/l	97
6) Chloroethane	1.71	64	82435	20.674	ug/l	99
7) Trichlorofluoromethane	1.93	101	214638	21.501	ug/l	99
8) Diethyl Ether	2.19	74	79887	21.145	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	128759	22.683	ug/l	98
10) Methyl Iodide	2.51	142	182360	21.317	ug/l	99
11) Tert butyl alcohol	3.07	59	160010	95.440	ug/l	97
12) 1,1-Dichloroethene	2.37	96	113504	20.888	ug/l	95
13) Acrolein	2.29	56	85511	93.318	ug/l	99
14) Allyl chloride	2.73	41	196209	18.279	ug/l	98
15) Acrylonitrile	3.15	53	344752	98.541	ug/l	99
16) Acetone	2.45	43	283990	98.710	ug/l	97
17) Carbon Disulfide	2.57	76	293348	17.519	ug/l	100
18) Methyl Acetate	2.78	43	193769	20.140	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	400224	20.646	ug/l	99
20) Methylene Chloride	2.85	84	129578	21.163	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	124101	21.430	ug/l	95
22) Diisopropyl ether	3.87	45	357468	21.320	ug/l	94
23) Vinyl Acetate	3.82	43	1464607	102.416	ug/l	100
24) 1,1-Dichloroethane	3.70	63	205793	21.474	ug/l	100
25) 2-Butanone	4.70	43	421899	102.775	ug/l	94
26) 2,2-Dichloropropane	4.58	77	175148	19.803	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	143391	22.199	ug/l	97
28) Bromochloromethane	5.02	49	83840	20.029	ug/l	98
29) Tetrahydrofuran	5.15	42	291968	102.336	ug/l	98
30) Chloroform	5.21	83	222848	22.128	ug/l	98
31) Cyclohexane	5.57	56	197080	22.252	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	197847	20.647	ug/l	99
36) 1,1-Dichloropropene	5.80	75	167784	21.740	ug/l	98
37) Ethyl Acetate	4.85	43	168820	19.533	ug/l	99
38) Carbon Tetrachloride	5.78	117	168163	18.522	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:34:00 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)
39) Methylcyclohexane	7.46	83	223308	22.291	ug/l	98
40) Benzene	6.14	78	505640	21.875	ug/l	97
41) Methacrylonitrile	5.06	41	91466	19.233	ug/l	97
42) 1,2-Dichloroethane	6.20	62	166631	22.026	ug/l	100
43) Isopropyl Acetate	6.46	43	268946	18.664	ug/l	99
44) Trichloroethene	7.21	130	148737	21.240	ug/l	95
45) 1,2-Dichloropropane	7.52	63	121813	20.735	ug/l	99
46) Dibromomethane	7.66	93	88535	20.867	ug/l	95
47) Bromodichloromethane	7.90	83	153138	18.638	ug/l	99
48) Methyl methacrylate	7.77	41	134166	19.139	ug/l	96
49) 1,4-Dioxane	7.75	88	72975	422.362	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	845418	100.781	ug/l	98
52) Toluene	8.79	92	336237	22.110	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	169941	17.685	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	190780	19.120	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	136449	22.086	ug/l	97
56) Ethyl methacrylate	9.18	69	197381	20.436	ug/l	96
57) 1,3-Dichloropropane	9.37	76	211820	21.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	461266	94.115	ug/l	99
59) 2-Hexanone	9.49	43	644264	100.526	ug/l	98
60) Dibromochloromethane	9.59	129	133180	17.482	ug/l	98
61) 1,2-Dibromoethane	9.67	107	143981	20.843	ug/l	100
64) Tetrachloroethene	9.34	164	143142	22.645	ug/l	97
65) Chlorobenzene	10.14	112	384154	21.561	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	132882	19.195	ug/l	99
67) Ethyl Benzene	10.25	91	642468	21.680	ug/l	100
68) m/p-Xylenes	10.36	106	519747	43.785	ug/l	100
69) o-Xylene	10.70	106	253098	21.586	ug/l	98
70) Styrene	10.71	104	406949	21.459	ug/l	99
71) Bromoform	10.86	173	98178	15.024	ug/l #	97
73) Isopropylbenzene	11.02	105	680893	22.003	ug/l	99
74) N-amyl acetate	10.90	43	244422	18.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	199831	20.185	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	225961	26.126	ug/l	87
77) Bromobenzene	11.26	156	179630	20.917	ug/l	98
78) n-propylbenzene	11.36	91	747735	21.738	ug/l	100
79) 2-Chlorotoluene	11.42	91	443646	21.700	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	559560	21.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53915	14.629	ug/l	88
82) 4-Chlorotoluene	11.51	91	518783	21.825	ug/l	100
83) tert-Butylbenzene	11.77	119	583534	21.242	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	580456	21.833	ug/l	99
85) sec-Butylbenzene	11.94	105	688160	22.020	ug/l	100
86) p-Isopropyltoluene	12.06	119	622615	22.124	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	328272	21.483	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	328039	21.151	ug/l	98
89) n-Butylbenzene	12.39	91	514632	21.433	ug/l	99
90) Hexachloroethane	12.60	117	92221	16.079	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	323087	21.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40185	15.835	ug/l	96

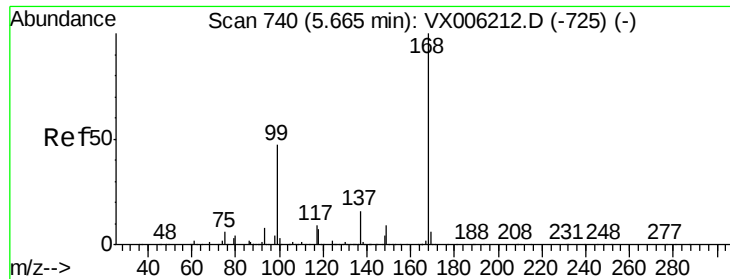
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121418\
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Instrument :
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ClientSampleId :

Quant Time: Dec 15 04:34:00 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	225986	20.425	ug/l	99
94) Hexachlorobutadiene	13.78	225	105233	21.507	ug/l	100
95) Naphthalene	13.83	128	704303	20.464	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	227914	20.797	ug/l	98

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

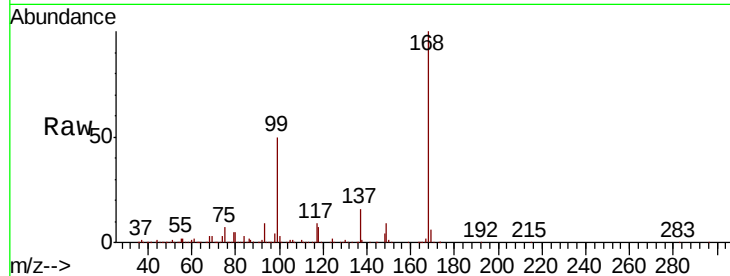


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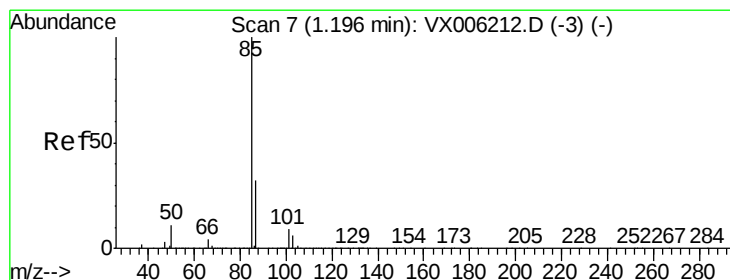
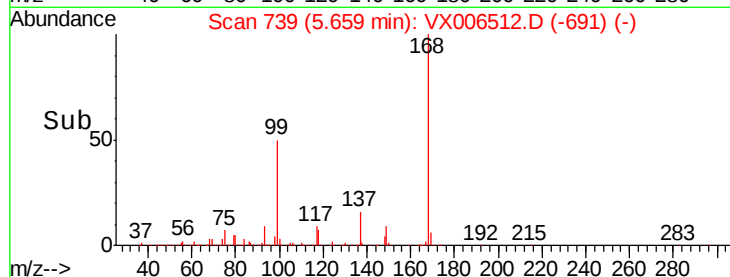
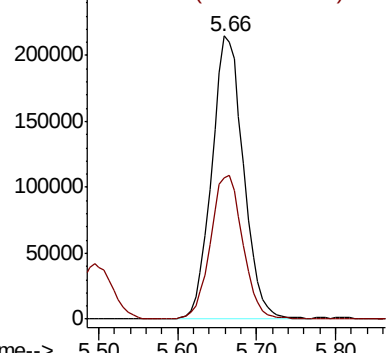
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 600536
 Ion Ratio Lower Upper
 168 100
 99 50.0 37.8 56.8



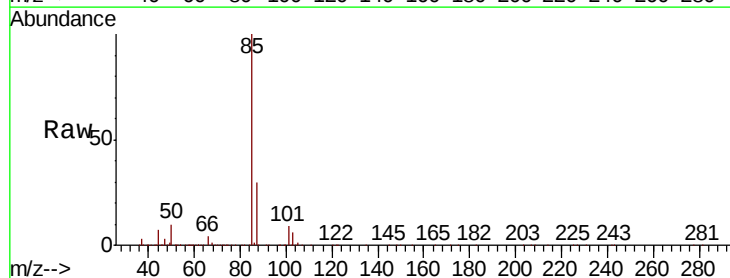
Abundance Ion 167.90 (167.60 to 168.60): VX006512.D (-725) (-)
 Ion 98.90 (98.60 to 99.60): VX006512.D (-725) (-)



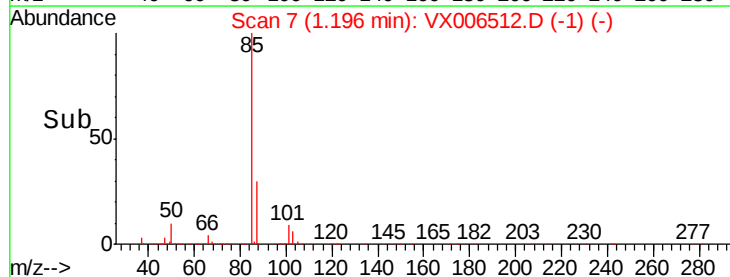
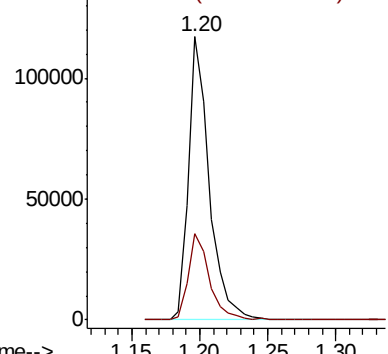
#2

Dichlorodifluoromethane
 Concen: 21.041 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Tgt Ion: 85 Resp: 123721
 Ion Ratio Lower Upper
 85 100
 87 30.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX006512.D (-3) (-)
 Ion 86.90 (86.60 to 87.60): VX006512.D (-3) (-)

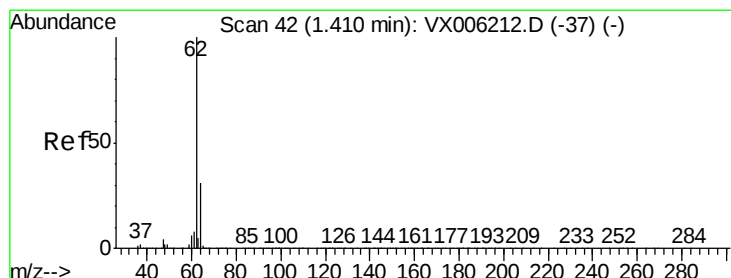
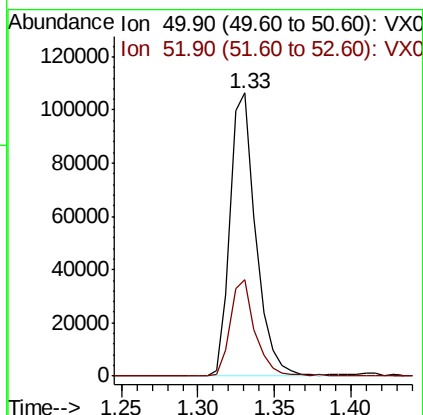
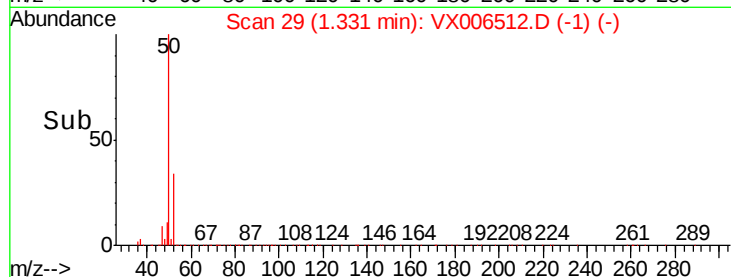
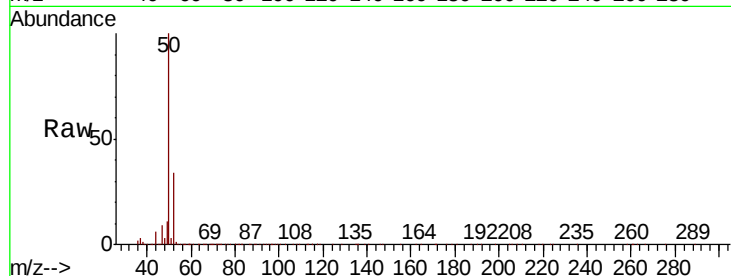




#3
Chloromethane
Concen: 20.628 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

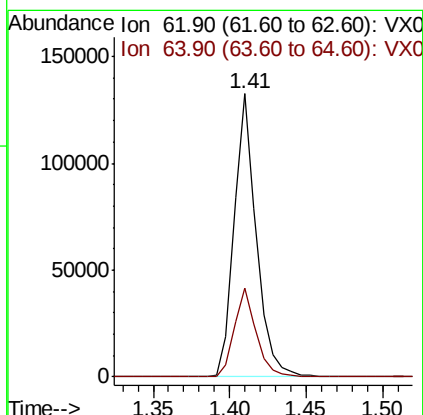
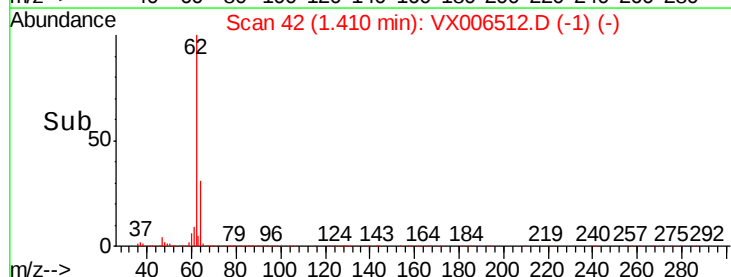
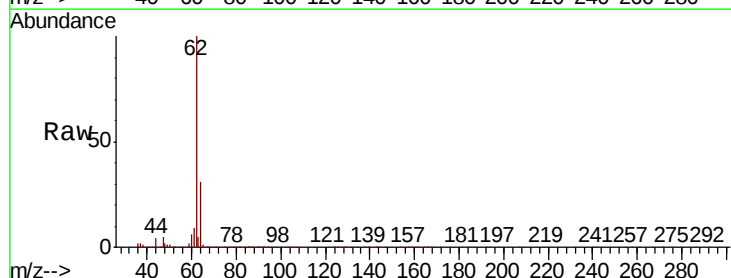
Instrument :
MSVOA_X
ClientSampleId :

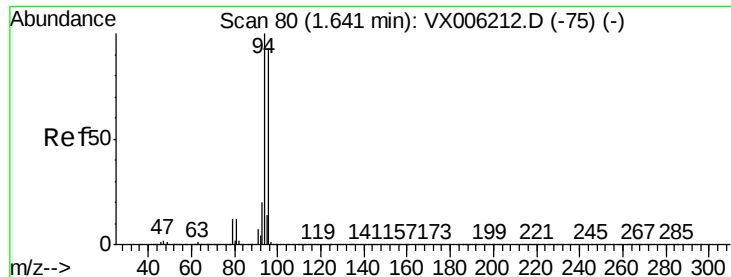
Tot Ion: 50 Resp: 124646
Ion Ratio Lower Upper
50 100
52 34.0 25.2 37.8



#4
Vinyl Chloride
Concen: 20.422 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 62 Resp: 132812
Ion Ratio Lower Upper
62 100
64 31.3 24.9 37.3





#5

Bromomethane

Concen: 28.741 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

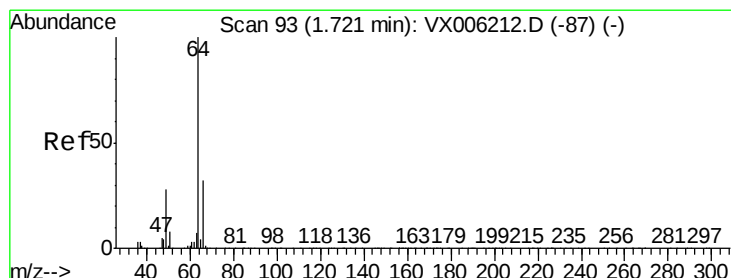
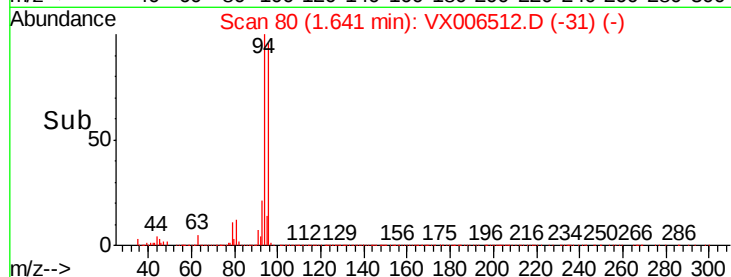
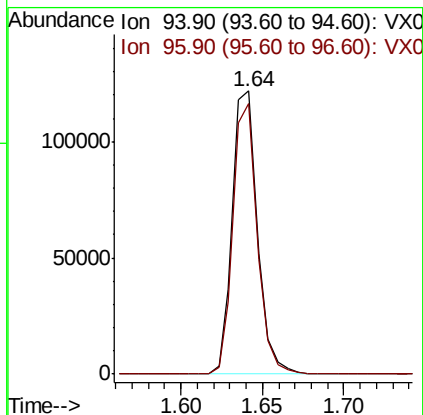
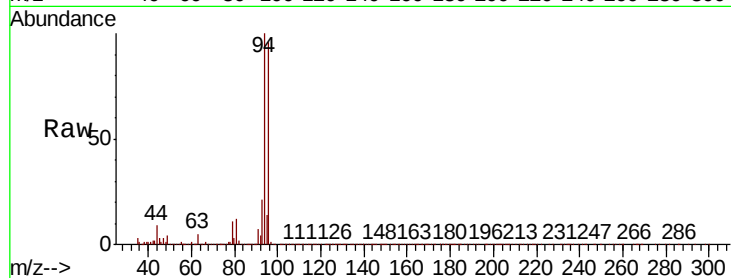
ClientSampled :

Tot Ion: 94 Resp: 129535

Ion Ratio Lower Upper

94 100

96 95.7 74.5 111.7



#6

Chloroethane

Concen: 20.674 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006512.D

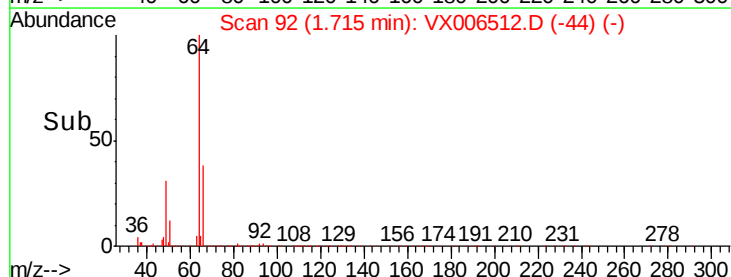
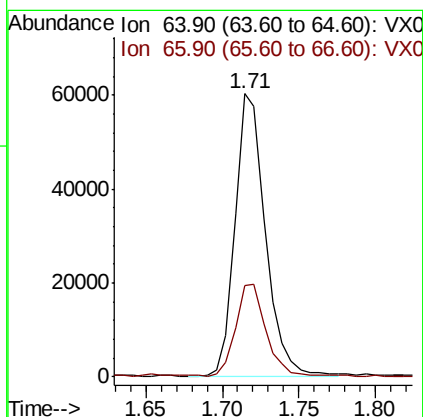
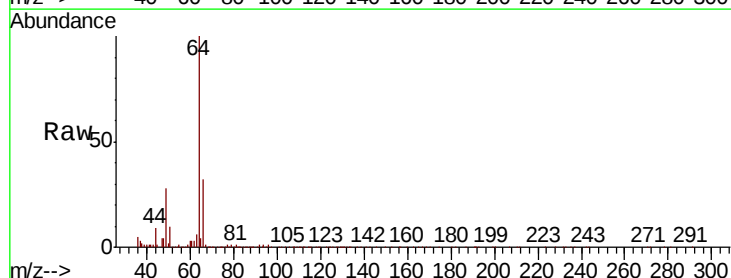
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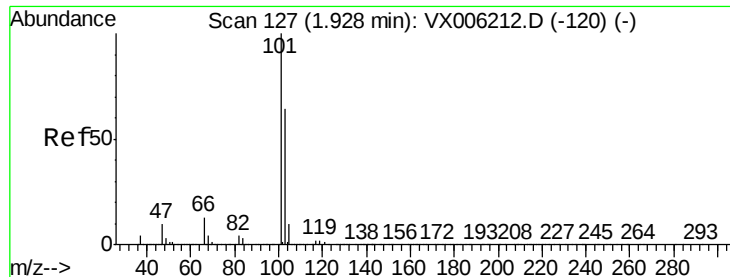
Tgt Ion: 64 Resp: 82435

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



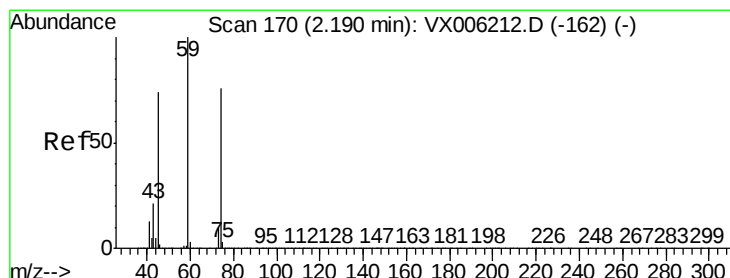
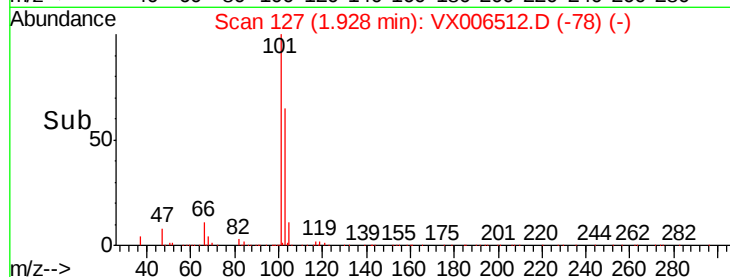
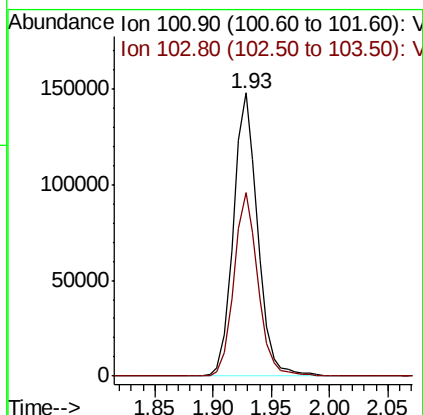
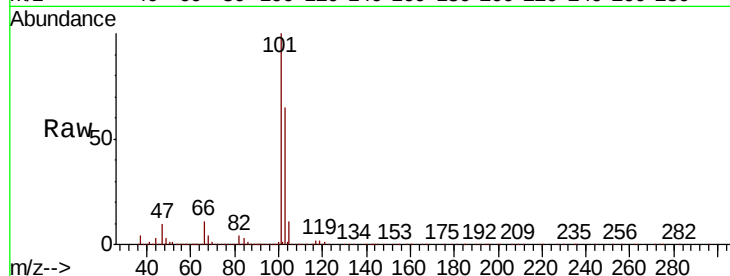


#7

Trichlorofluoromethane
Concen: 21.501 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :

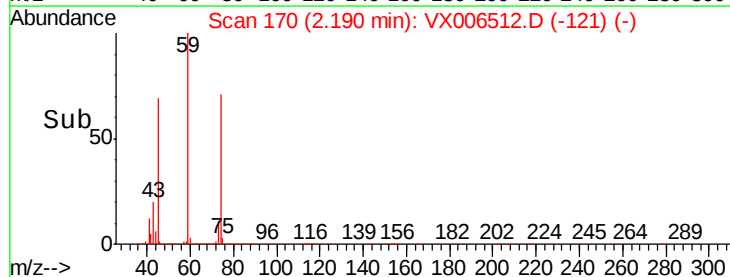
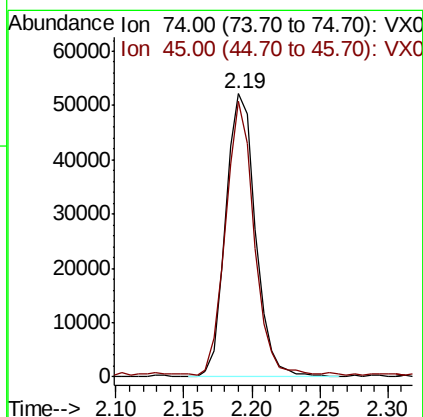
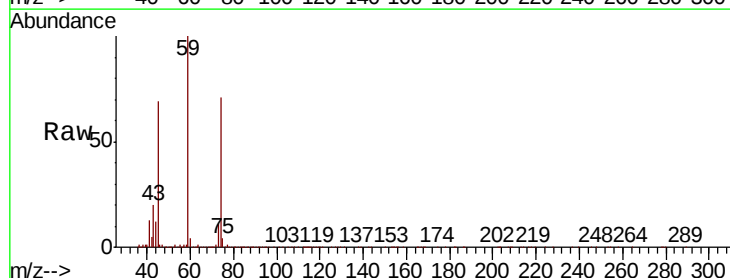
Tot Ion:101 Resp: 214638
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.4

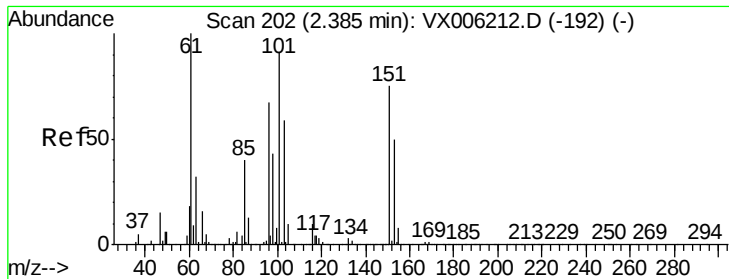


#8

Diethyl Ether
Concen: 21.145 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 74 Resp: 79887
Ion Ratio Lower Upper
74 100
45 91.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.683 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

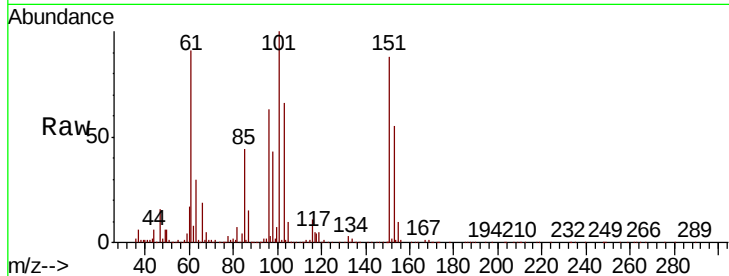
Tot Ion:101 Resp: 128759

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

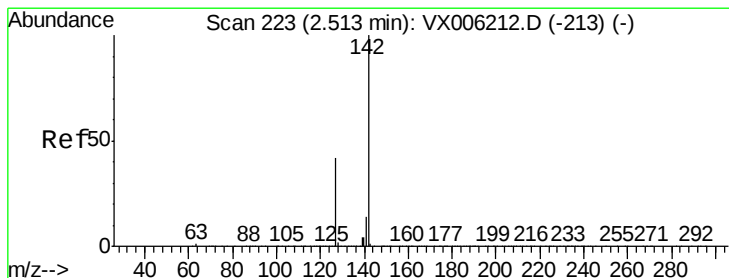
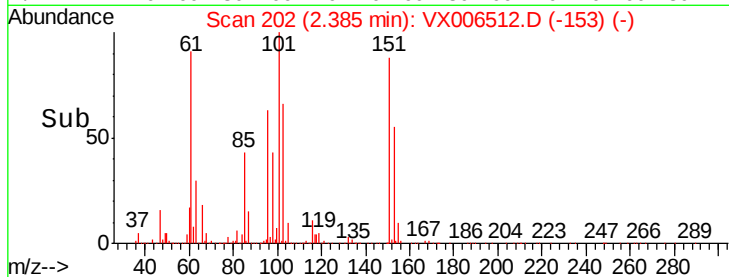
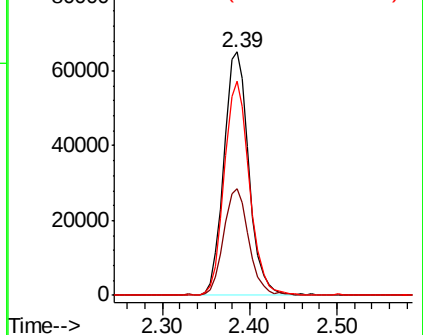
151 88.6 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.317 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

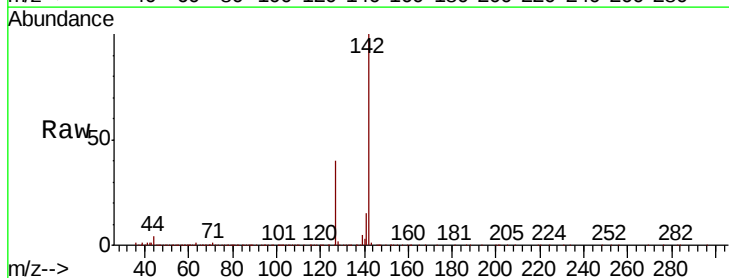
Tgt Ion:142 Resp: 182360

Ion Ratio Lower Upper

142 100

127 42.8 34.8 52.2

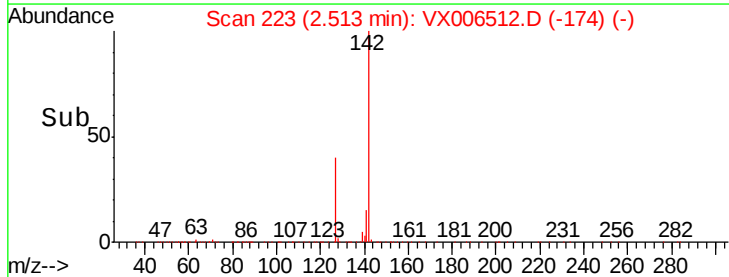
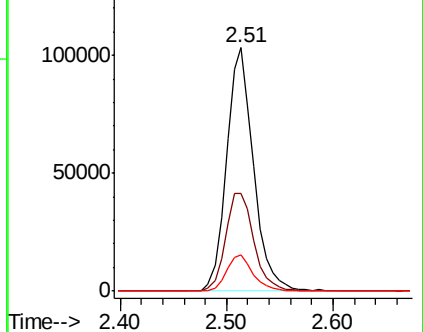
141 14.6 11.4 17.2

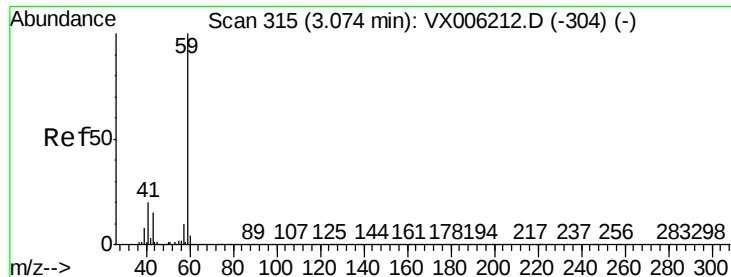


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

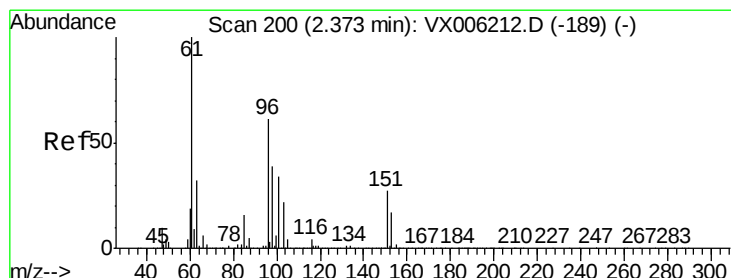
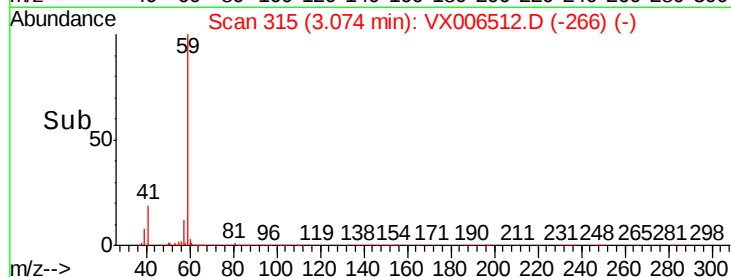
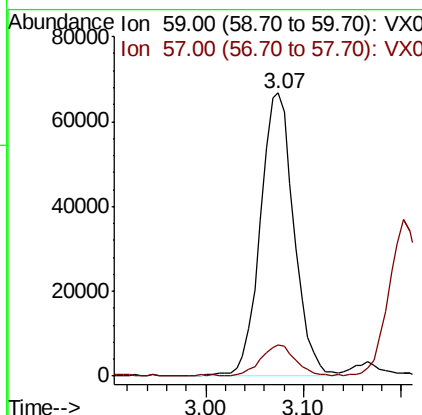
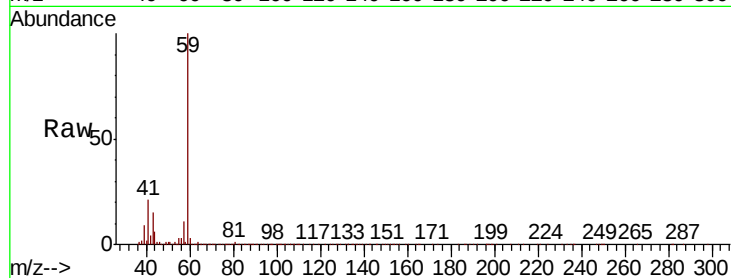




#11
Tert butyl alcohol
Concen: 95.440 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

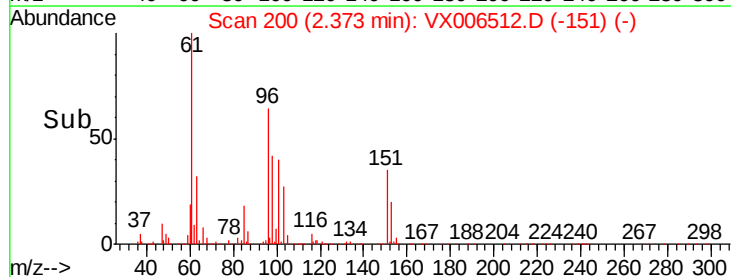
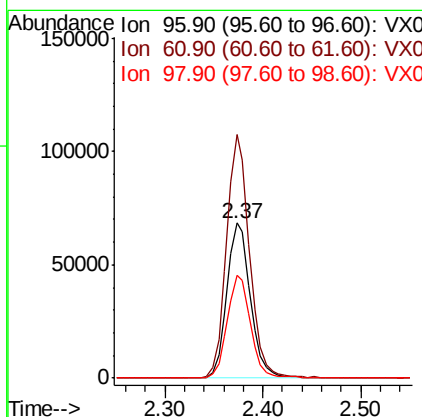
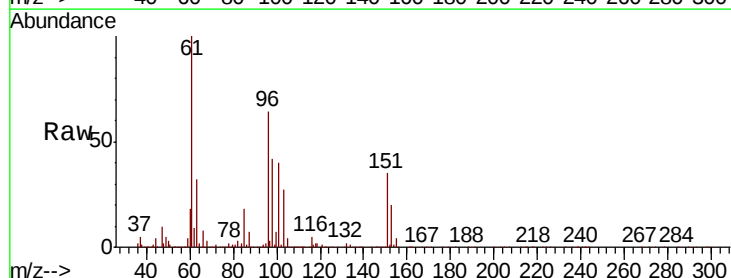
Instrument :
MSVOA_X
ClientSampleId :

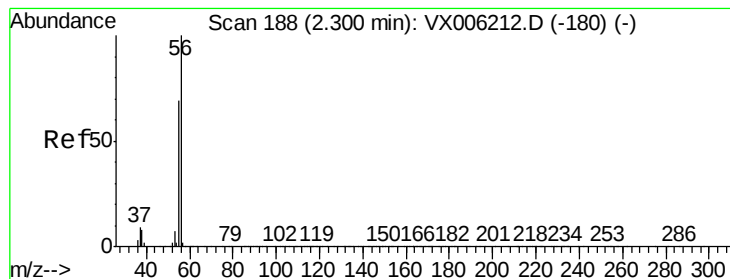
Tot Ion: 59 Resp: 160010
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.888 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 96 Resp: 113504
Ion Ratio Lower Upper
96 100
61 157.2 131.7 197.5
98 66.5 51.8 77.6





#13

Acrolein

Concen: 93.318 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

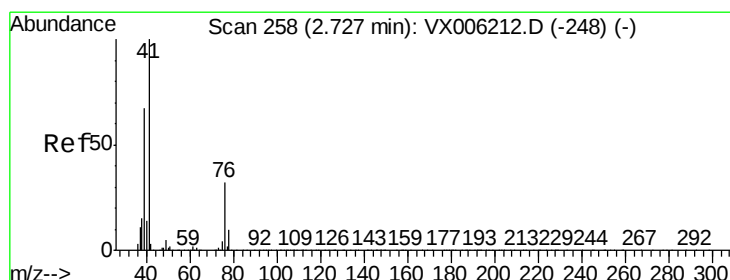
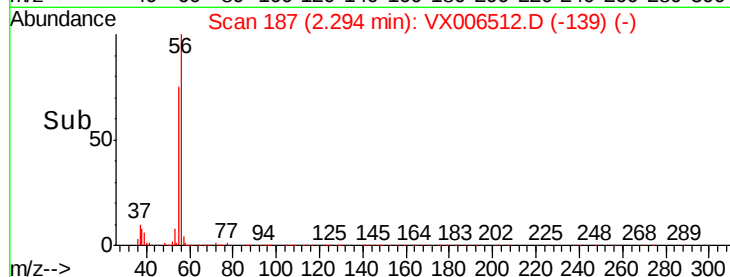
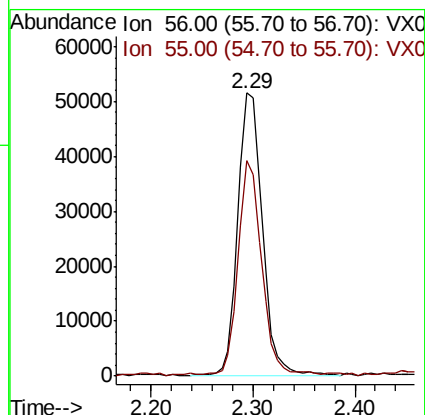
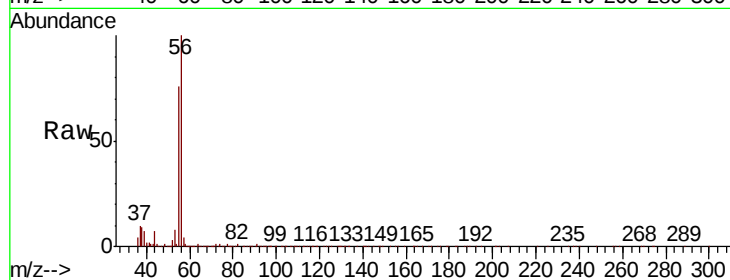
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 85511

Ion Ratio Lower Upper

56 100

55 71.6 57.8 86.6



#14

Allyl chloride

Concen: 18.279 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

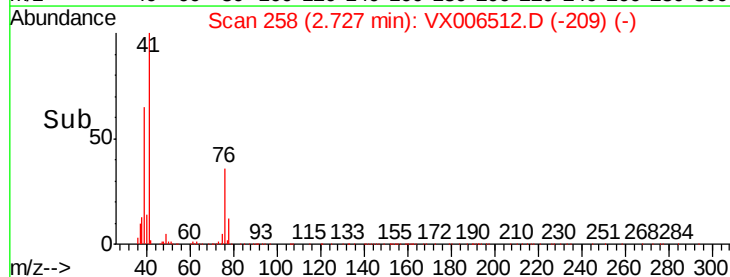
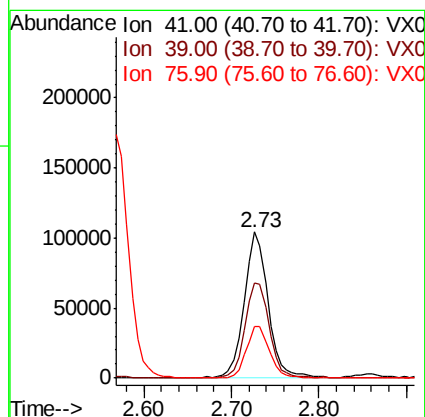
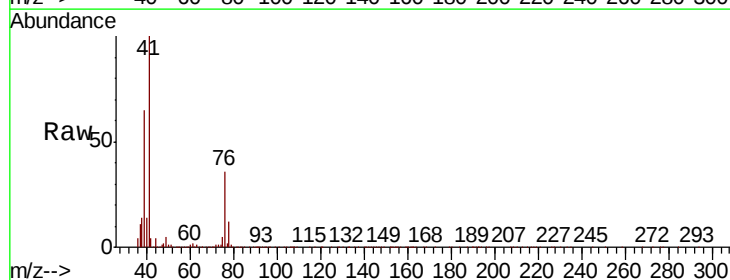
Tgt Ion: 41 Resp: 196209

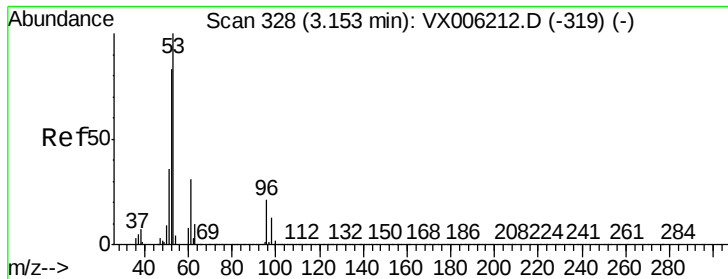
Ion Ratio Lower Upper

41 100

39 65.9 52.4 78.6

76 34.1 25.4 38.0





#15

Acrylonitrile

Concen: 98.541 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

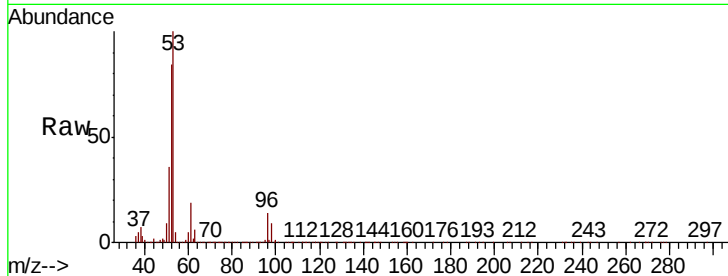
Tot Ion: 53 Resp: 344752

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.4

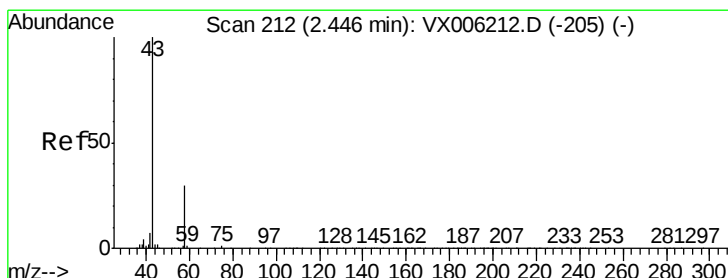
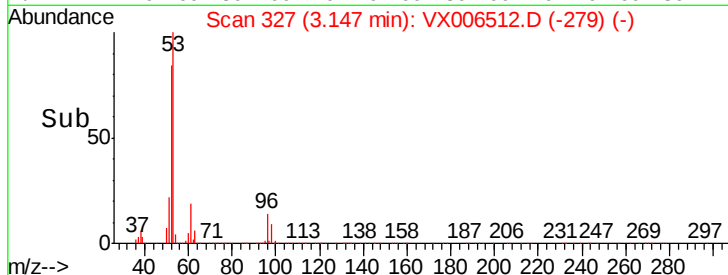
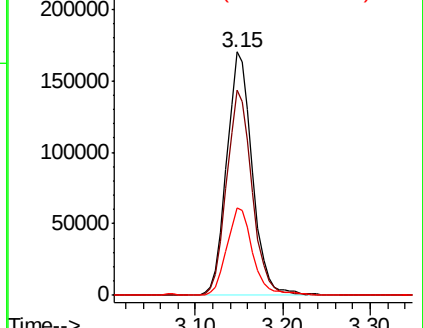
51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 98.710 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006512.D

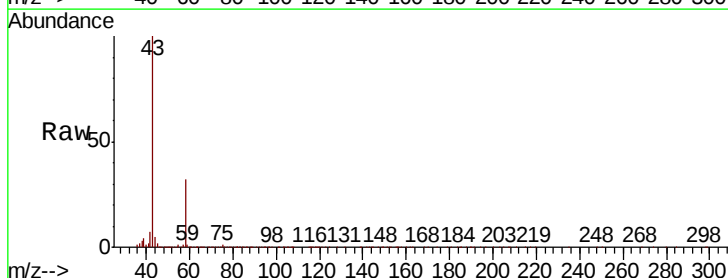
Acq: 14 Dec 2018 12:32

Tgt Ion: 43 Resp: 283990

Ion Ratio Lower Upper

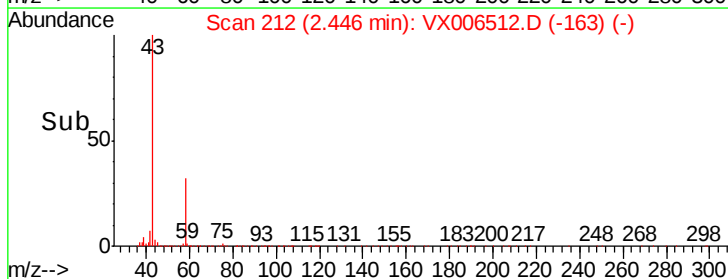
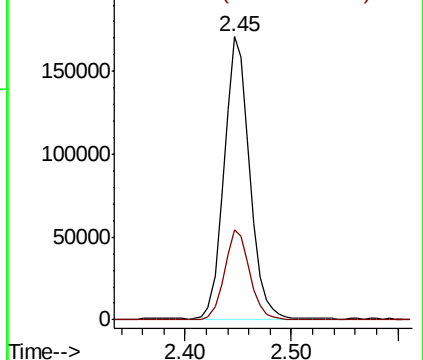
43 100

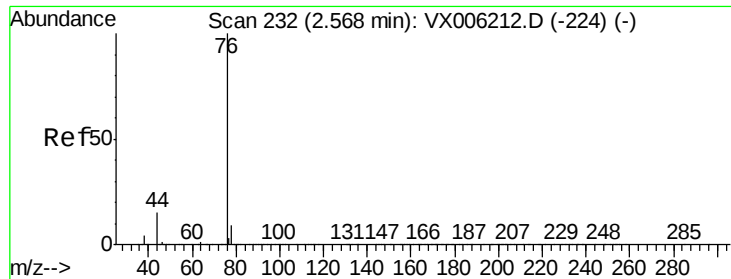
58 31.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

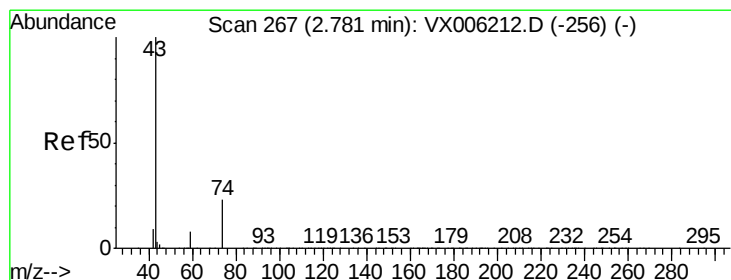
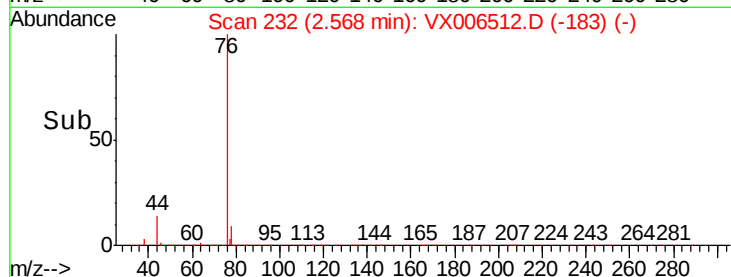
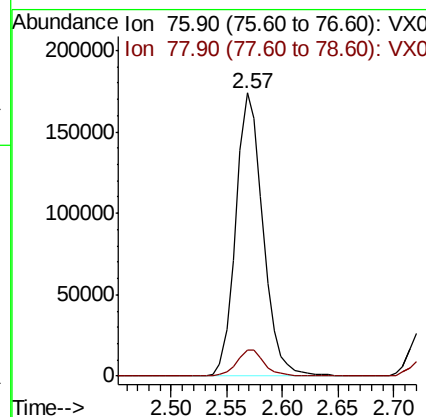
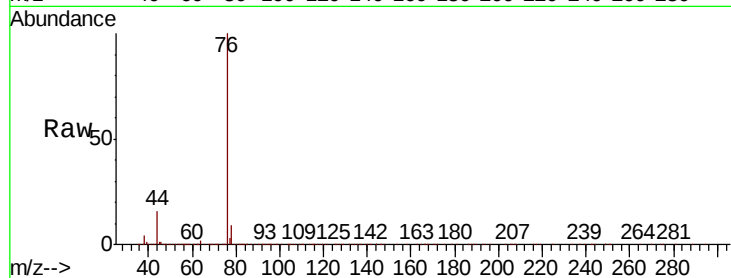




#17
Carbon Disulfide
Concen: 17.519 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

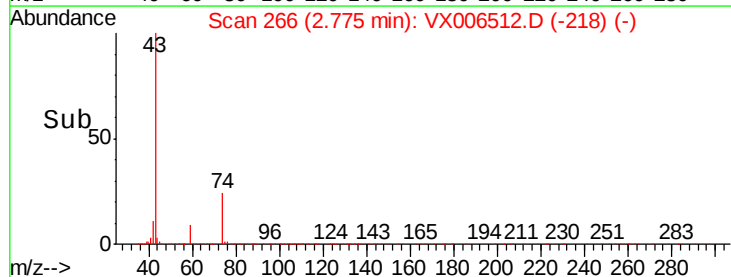
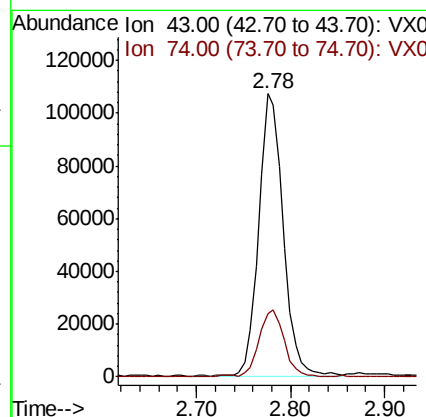
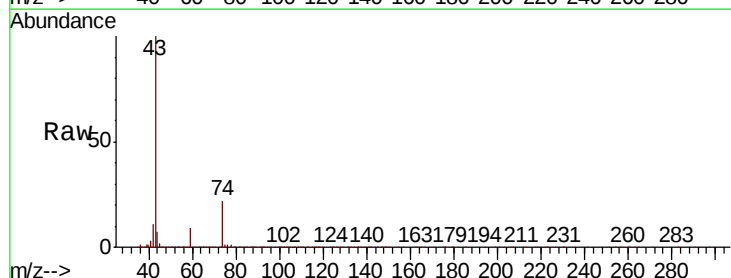
Instrument :
MSVOA_X
ClientSampleId :

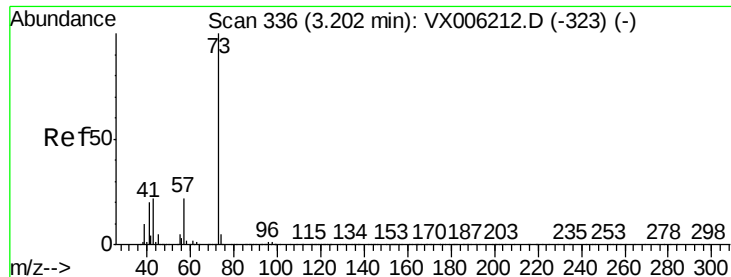
Tot Ion: 76 Resp: 293348
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 20.140 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 43 Resp: 193769
Ion Ratio Lower Upper
43 100
74 24.1 17.9 26.9

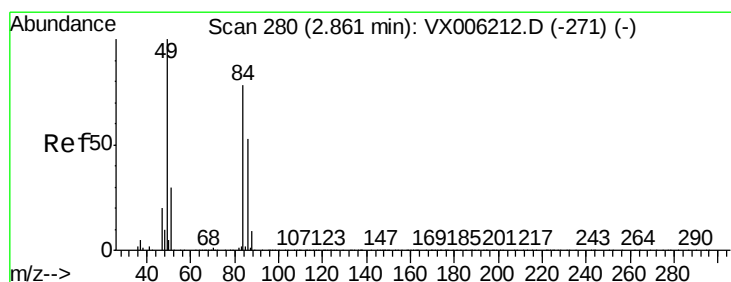
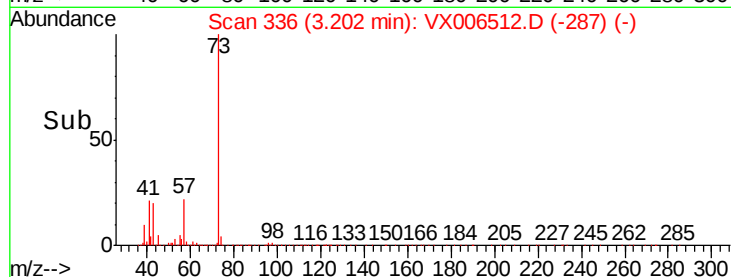
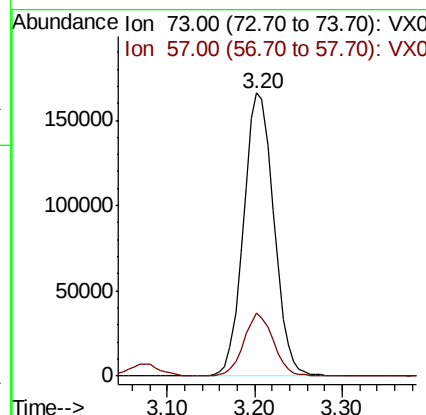
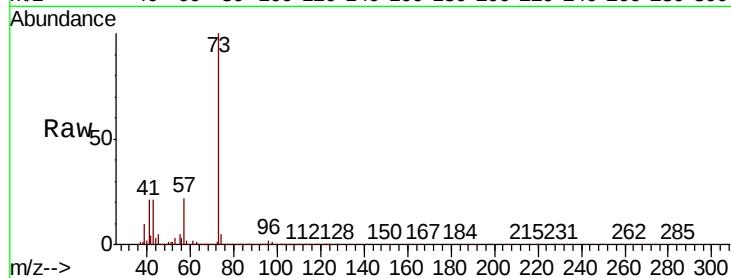




#19
Methvl tert-butvl Ether
Concen: 20.646 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

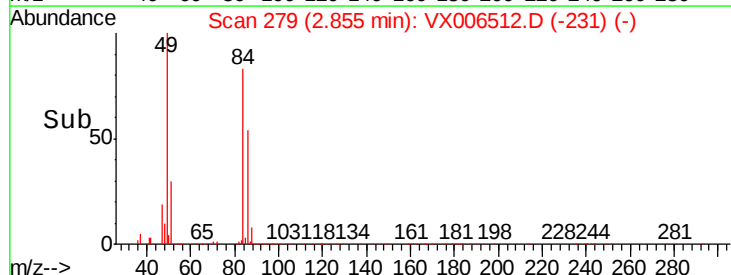
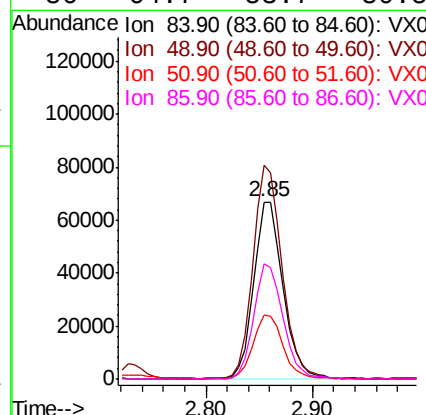
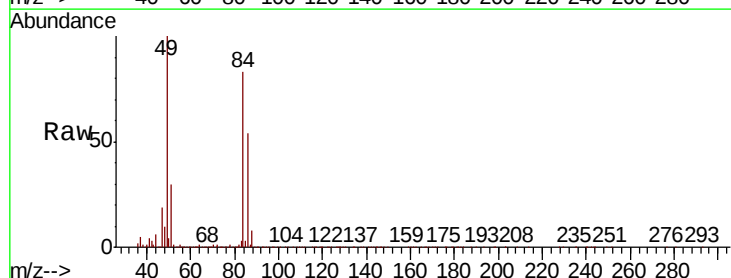
Instrument :
MSVOA_X
ClientSampleId :

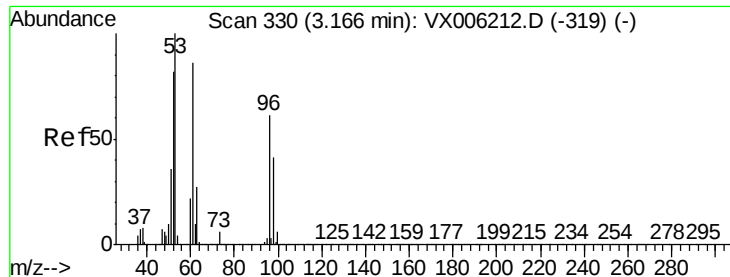
Tot Ion: 73 Resp: 400224
Ion Ratio Lower Upper
73 100
57 22.2 17.5 26.3



#20
Methylene Chloride
Concen: 21.163 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 84 Resp: 129578
Ion Ratio Lower Upper
84 100
49 120.6 102.2 153.4
51 35.9 31.1 46.7
86 64.7 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 21.430 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampled :

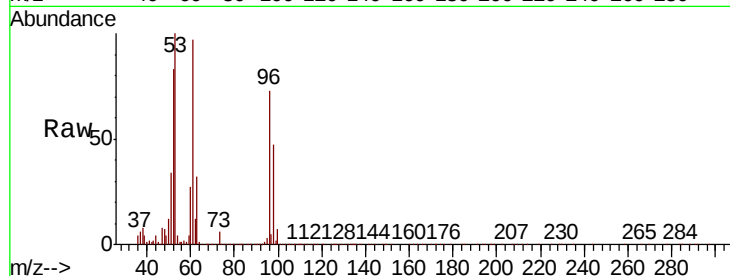
Tot Ion: 96 Resp: 124101

Ion Ratio Lower Upper

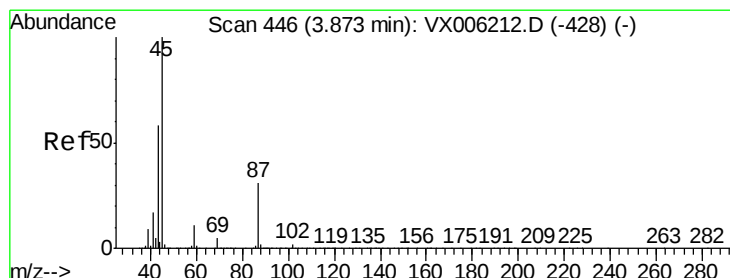
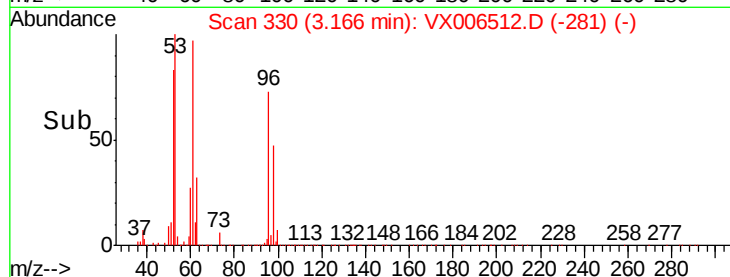
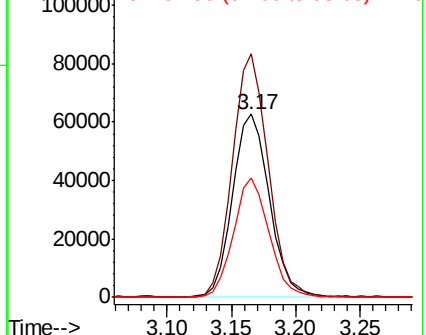
96 100

61 132.9 113.3 169.9

98 65.1 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.320 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Tgt Ion: 45 Resp: 357468

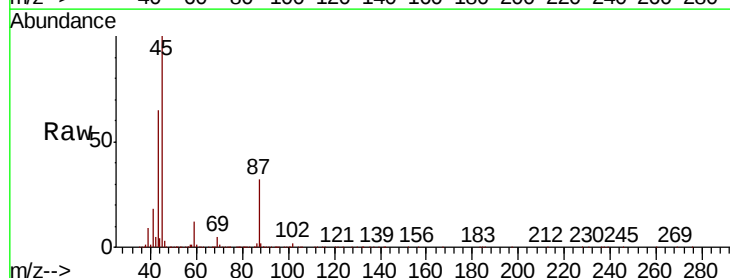
Ion Ratio Lower Upper

45 100

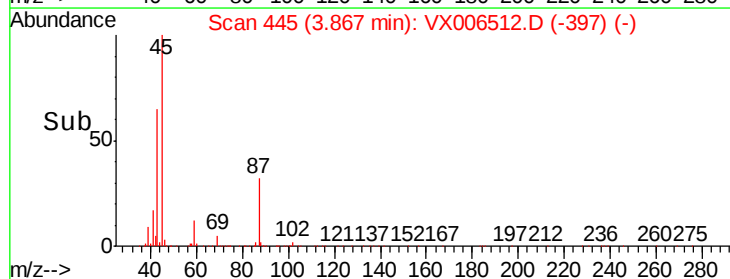
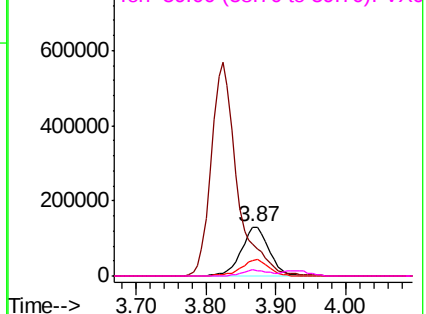
43 64.8 46.2 69.2

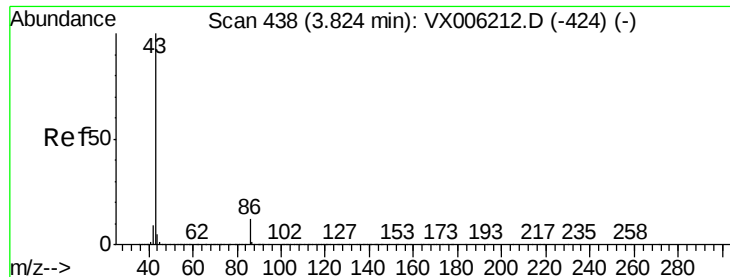
87 31.9 24.9 37.3

59 12.3 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 102.416 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

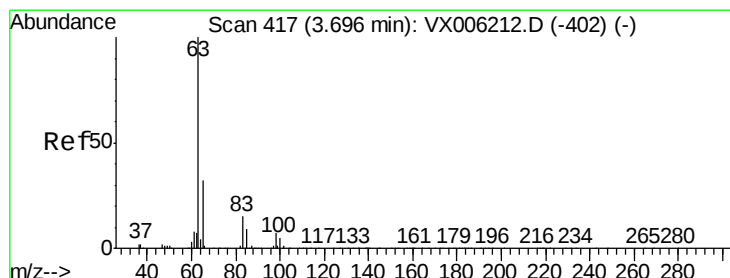
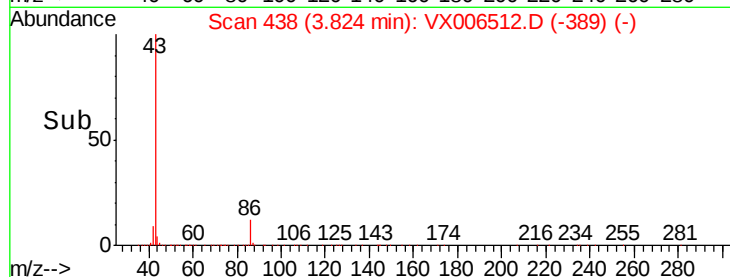
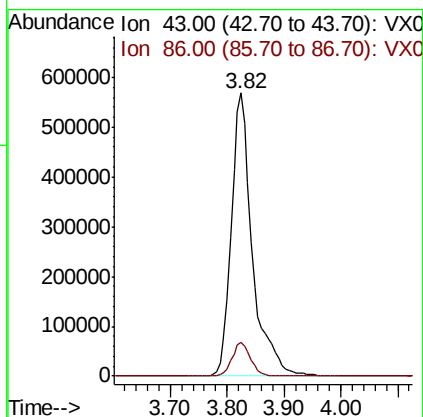
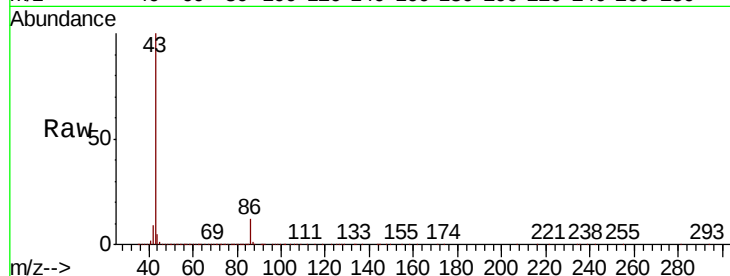
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1464607

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



#24

1,1-Dichloroethane

Concen: 21.474 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

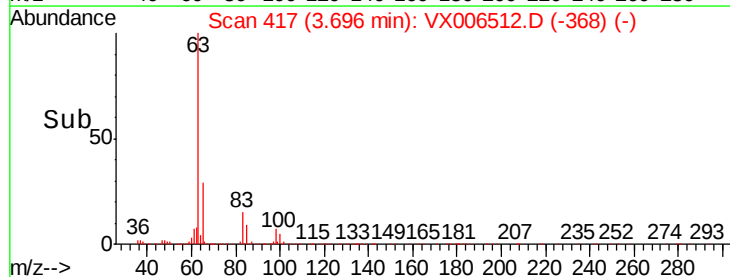
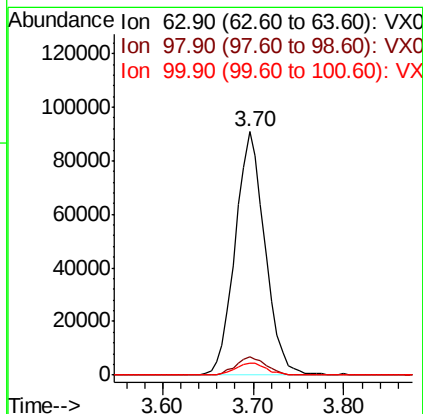
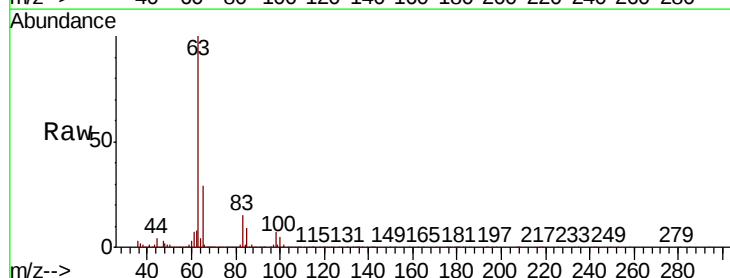
Tgt Ion: 63 Resp: 205793

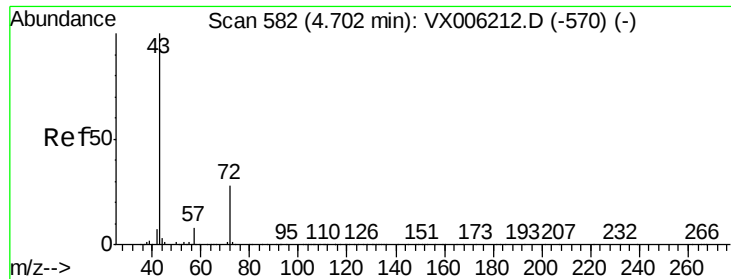
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 102.775 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

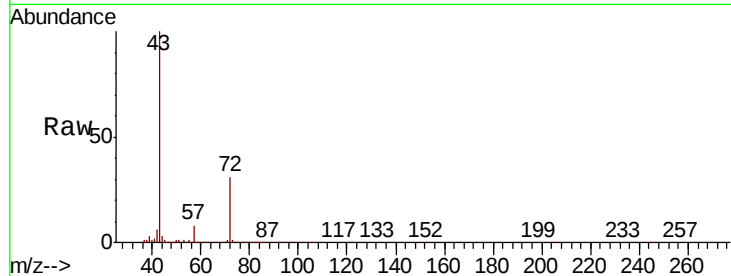
ClientSampleId :

Tot Ion: 43 Resp: 421899

Ion Ratio Lower Upper

43 100

72 31.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

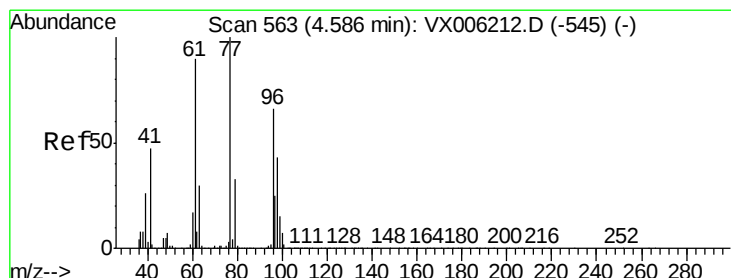
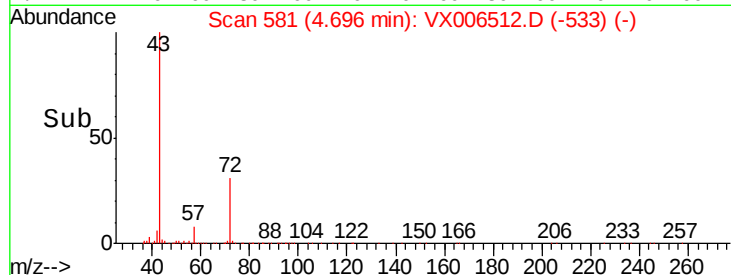
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.803 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006512.D

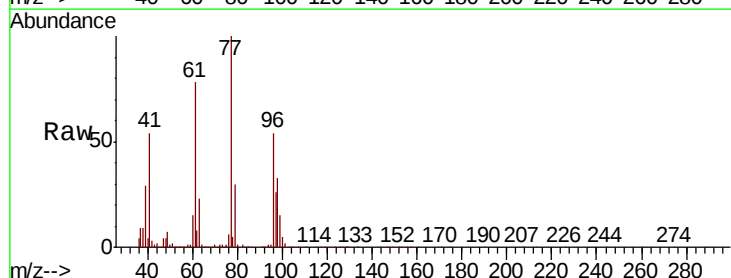
Acq: 14 Dec 2018 12:32

Tgt Ion: 77 Resp: 175148

Ion Ratio Lower Upper

77 100

97 25.8 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

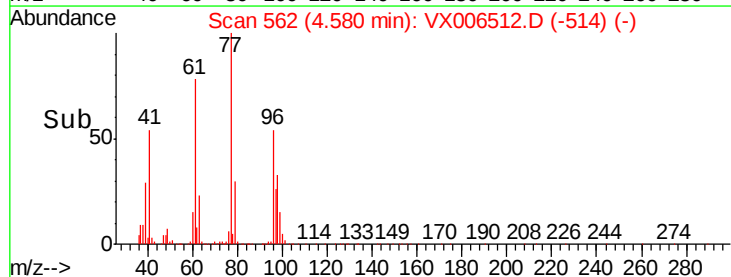
20000

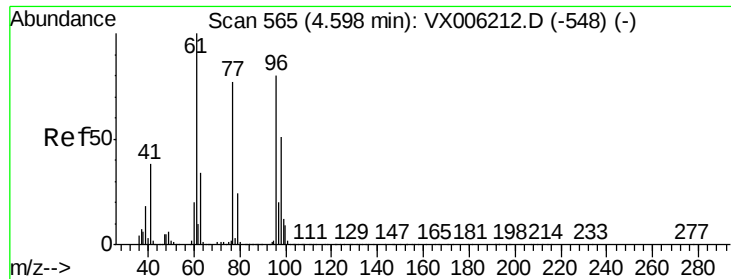
10000

0

4.40 4.50 4.60 4.70

Time-->



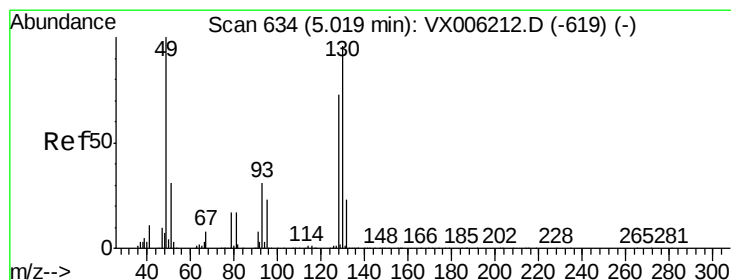
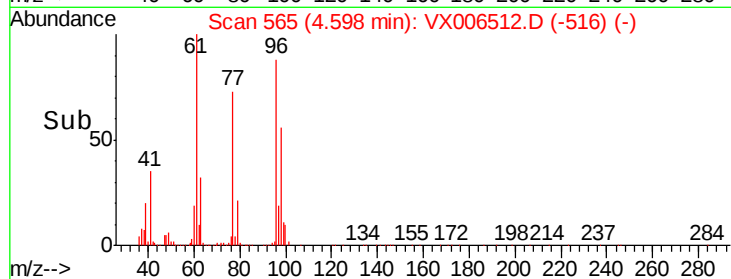
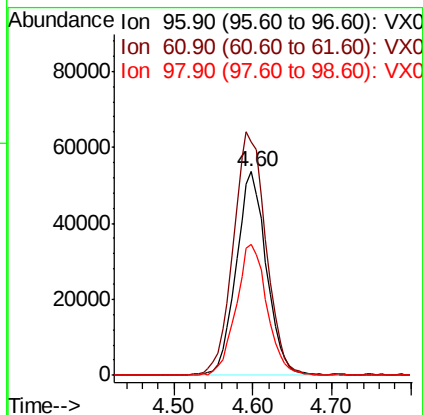
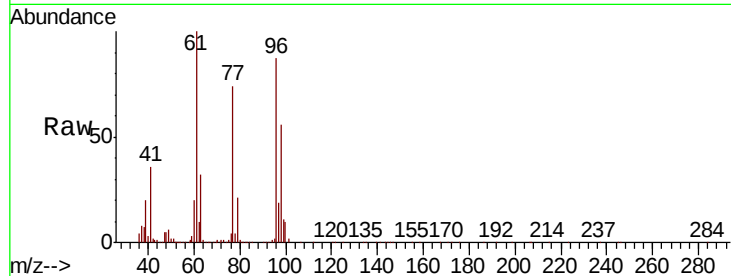


#27

cis-1,2-Dichloroethene
 Concen: 22.199 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :

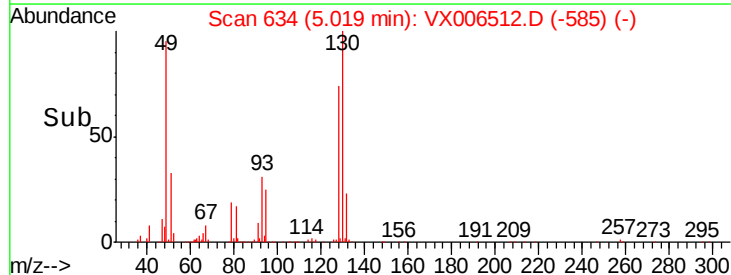
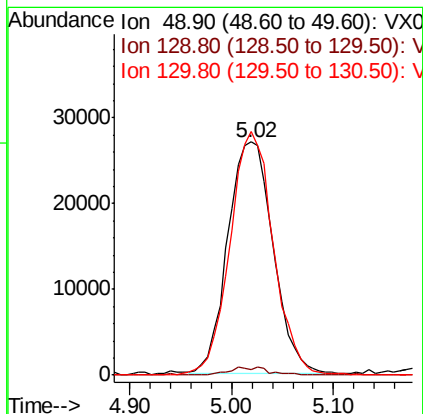
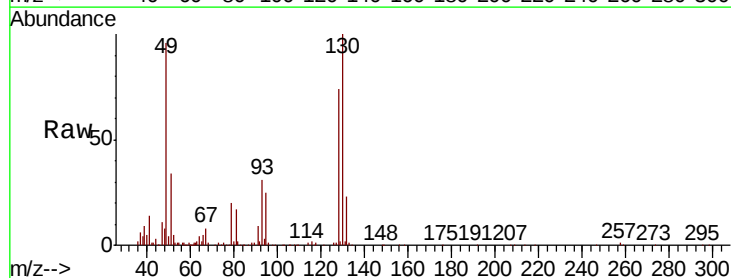
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	265.0
98	65.9	0.0	130.2

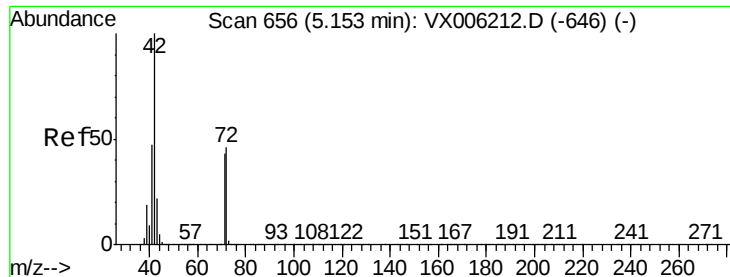


#28

Bromochloromethane
 Concen: 20.029 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	100.2	78.3	117.5





#29

Tetrahydrofuran

Concen: 102.336 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

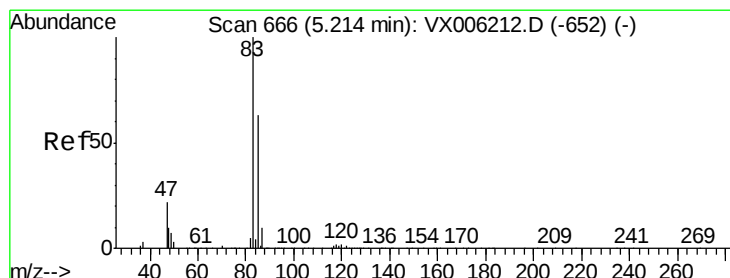
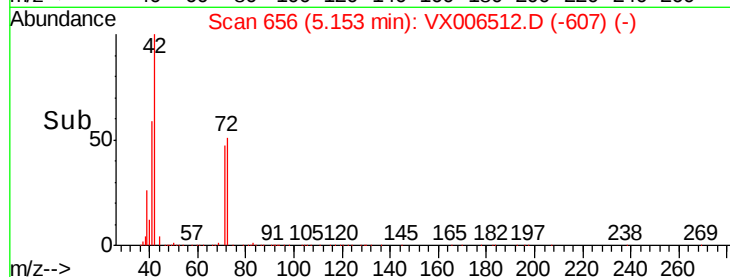
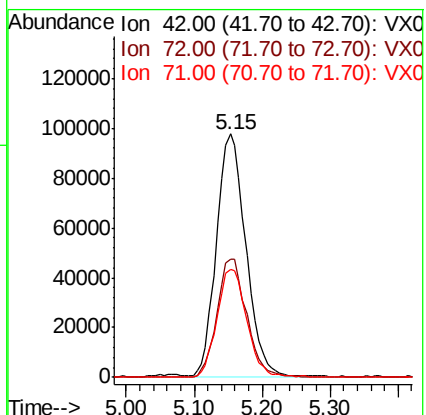
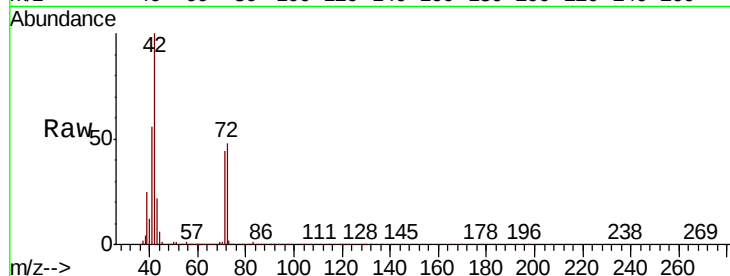
Tot Ion: 42 Resp: 291968

Ion Ratio Lower Upper

42 100

72 49.2 37.8 56.8

71 45.2 35.2 52.8



#30

Chloroform

Concen: 22.128 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006512.D

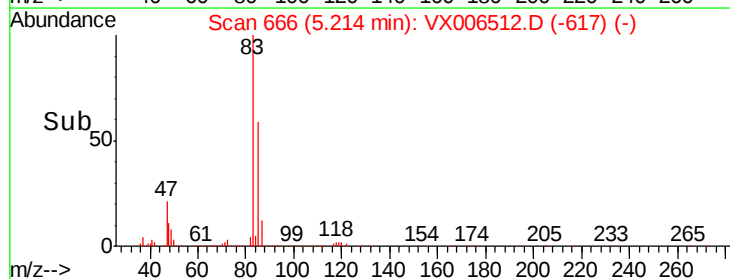
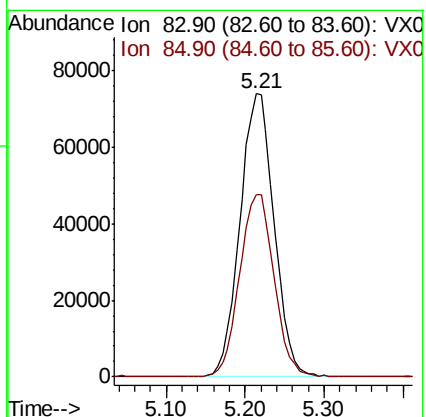
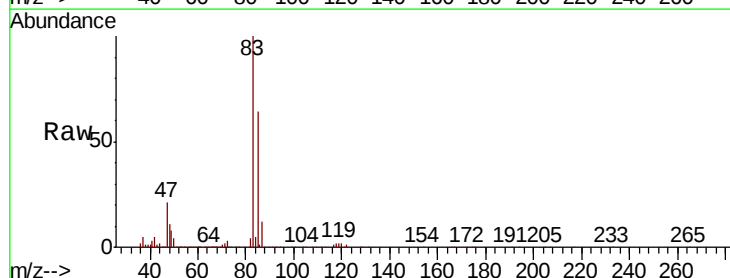
Acq: 14 Dec 2018 12:32

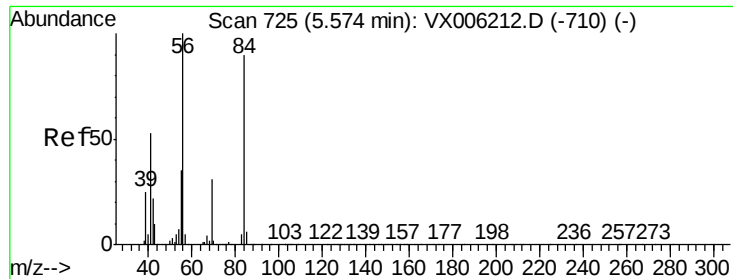
Tgt Ion: 83 Resp: 222848

Ion Ratio Lower Upper

83 100

85 64.3 50.3 75.5

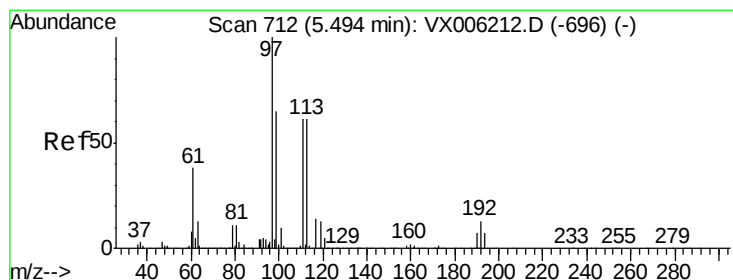
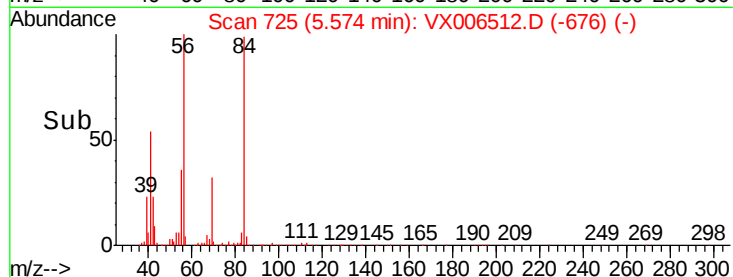
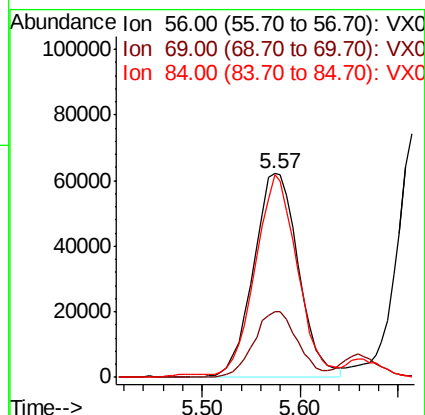
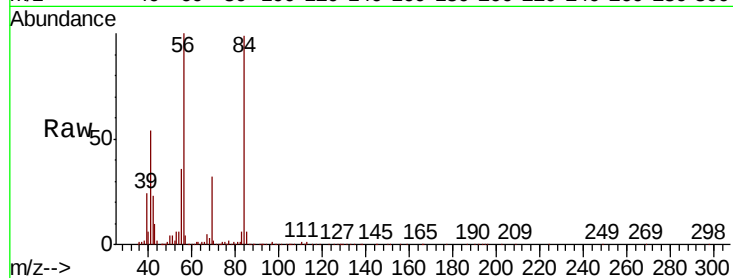




#31
Cyclohexane
Concen: 22.252 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

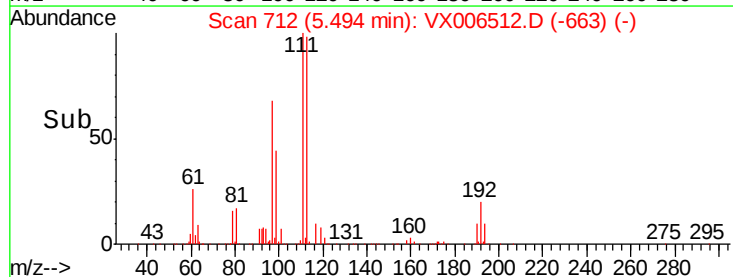
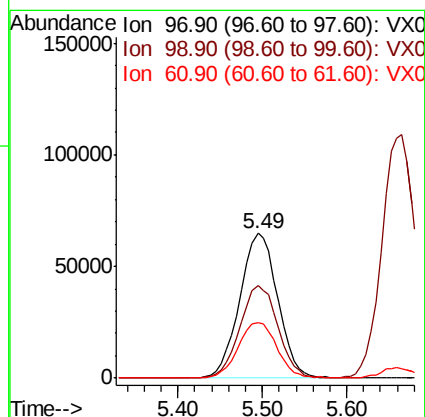
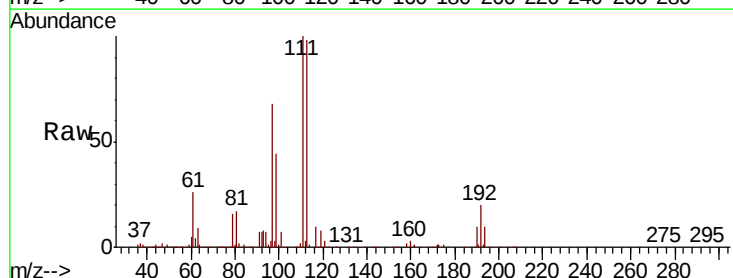
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 197080
Ion Ratio Lower Upper
56 100
69 32.4 24.5 36.7
84 98.0 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 20.647 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 97 Resp: 197847
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 38.9 30.6 46.0

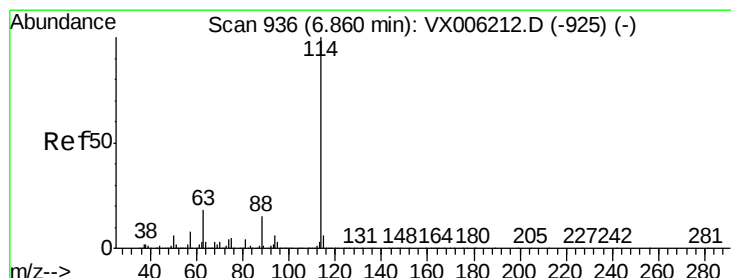
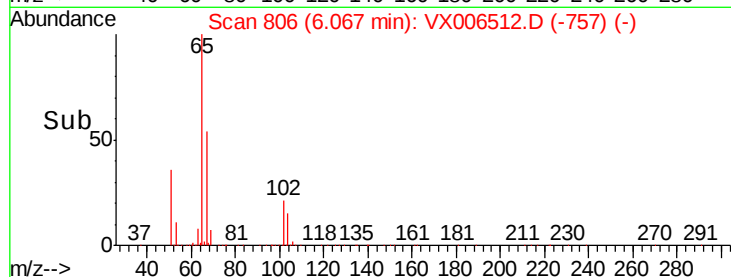
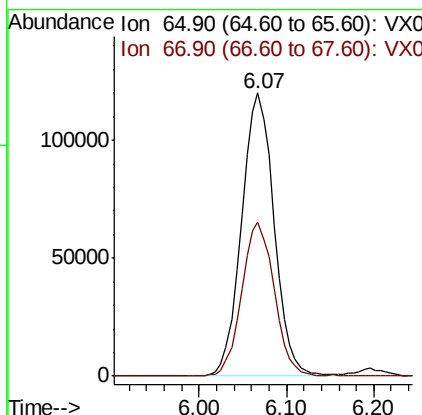
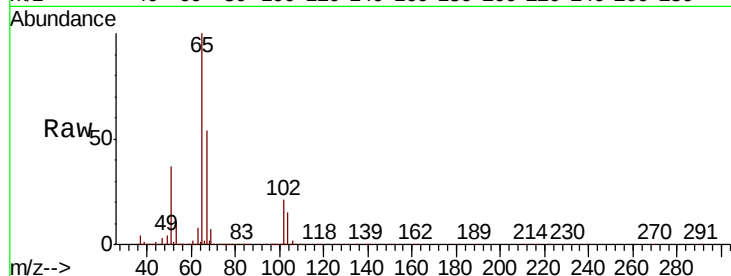




#33
 1,2-Dichloroethane-d4
 Concen: 50.615 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

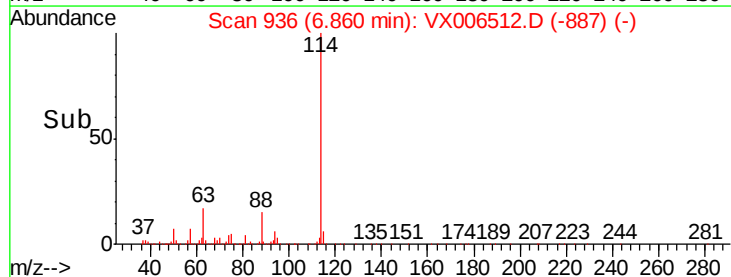
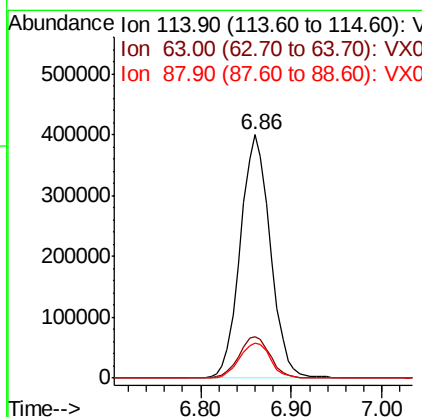
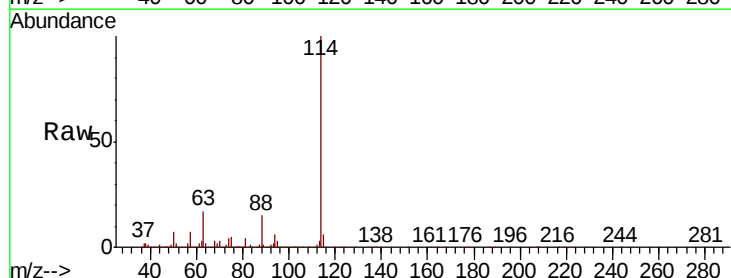
Instrument :
 MSVOA_X
 ClientSampled :

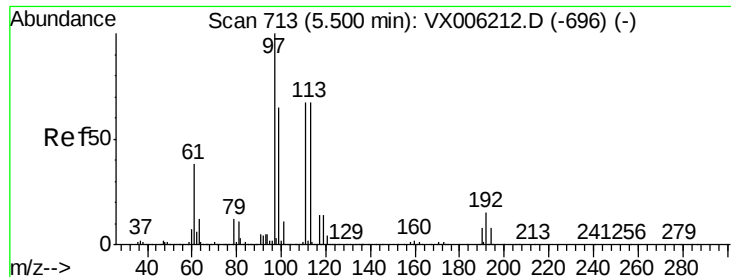
Tot Ion: 65 Resp: 310293
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Tgt Ion: 114 Resp: 916472
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.6
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.550 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampled :

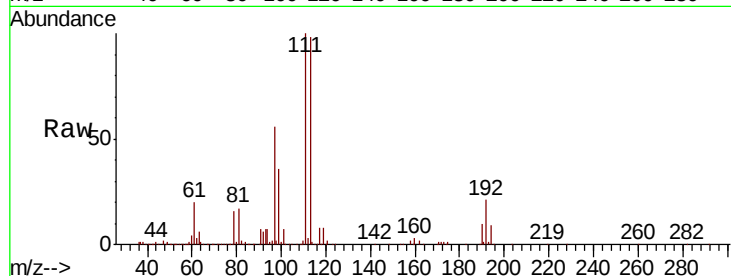
Tot Ion:113 Resp: 288083

Ion Ratio Lower Upper

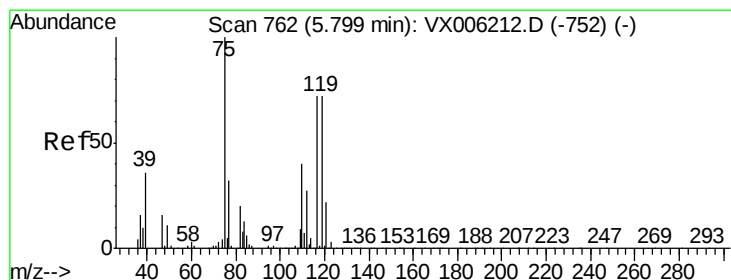
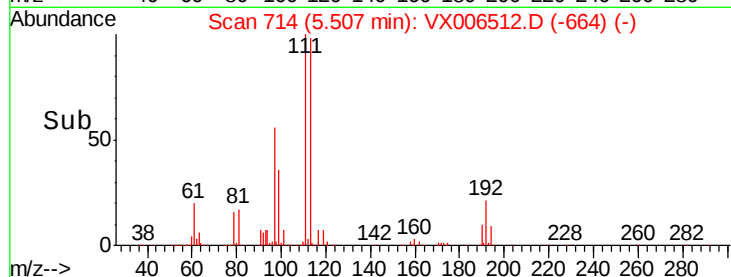
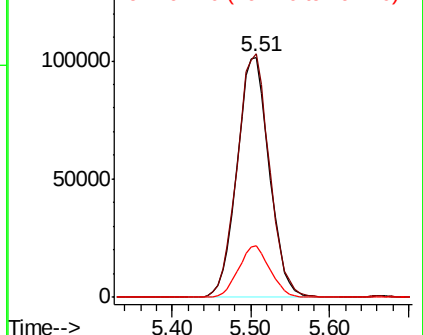
113 100

111 101.8 81.1 121.7

192 21.0 18.2 27.2



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



#36

1,1-Dichloropropene

Concen: 21.740 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

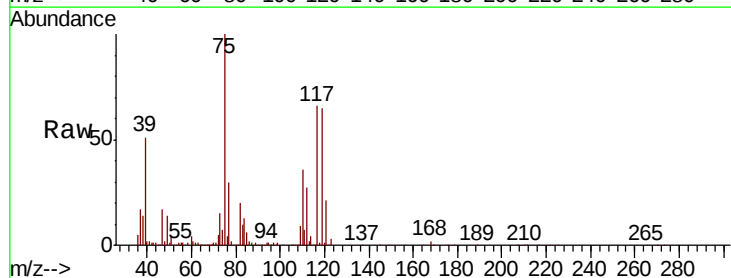
Tgt Ion: 75 Resp: 167784

Ion Ratio Lower Upper

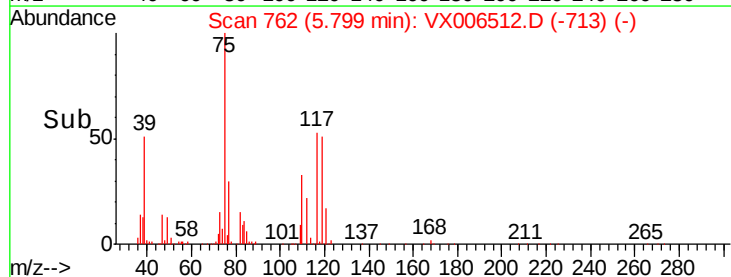
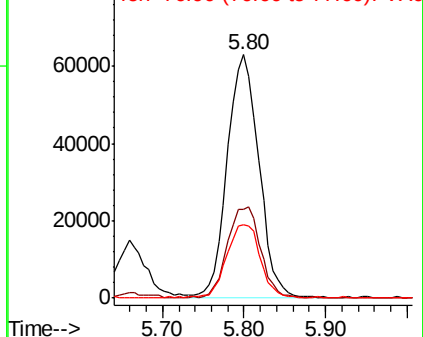
75 100

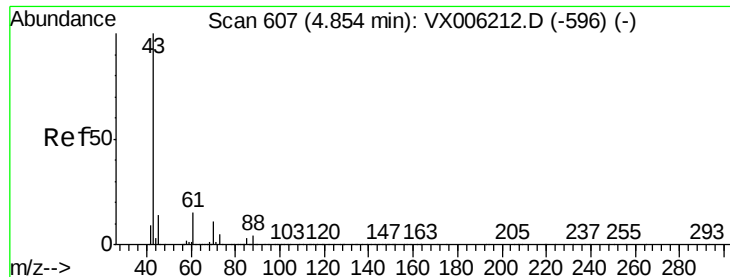
110 39.3 20.4 61.3

77 31.5 24.9 37.3



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

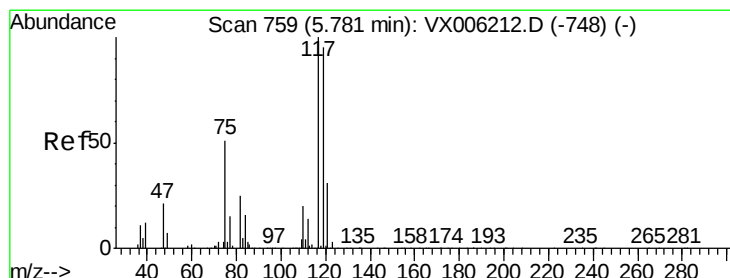
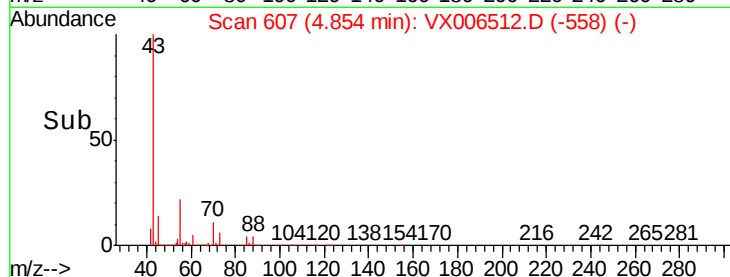
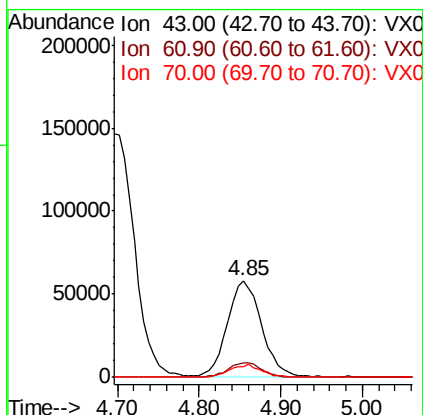
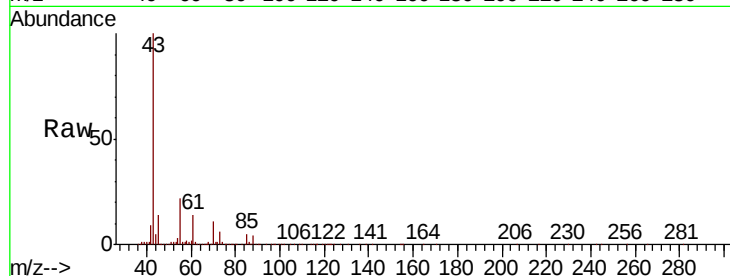




#37
Ethyl Acetate
Concen: 19.533 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

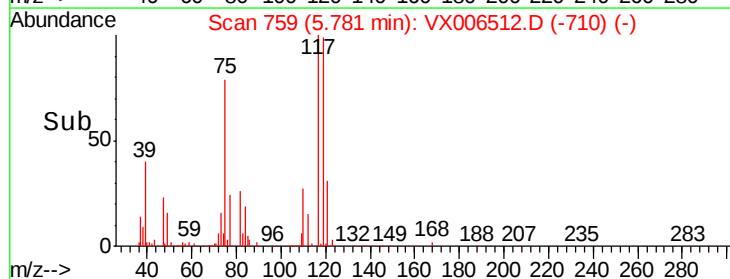
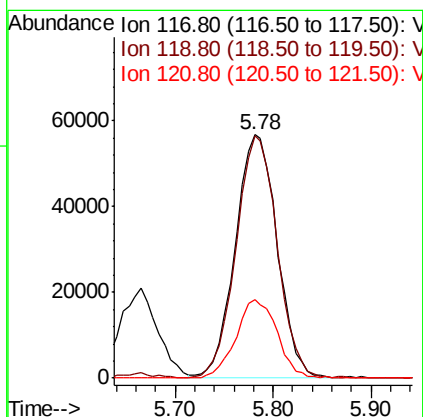
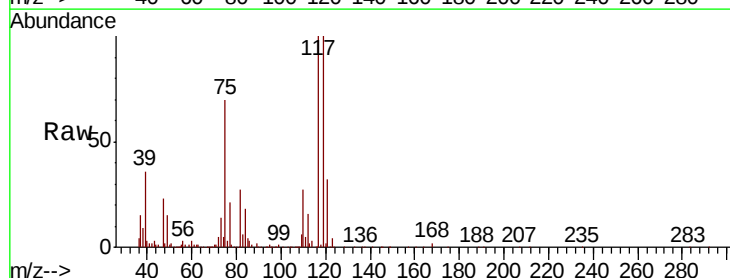
Instrument :
MSVOA_X
ClientSampleId :

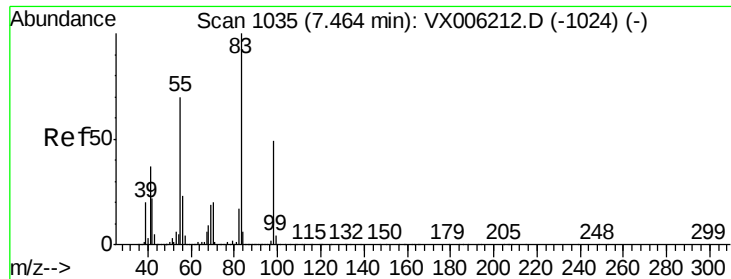
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	12.5	9.0	13.6



#38
Carbon Tetrachloride
Concen: 18.522 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.8	113.8
121	32.0	24.6	37.0

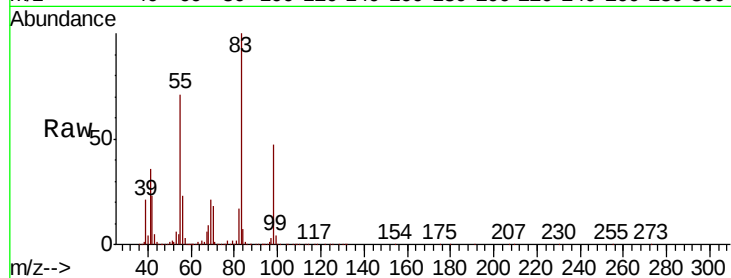




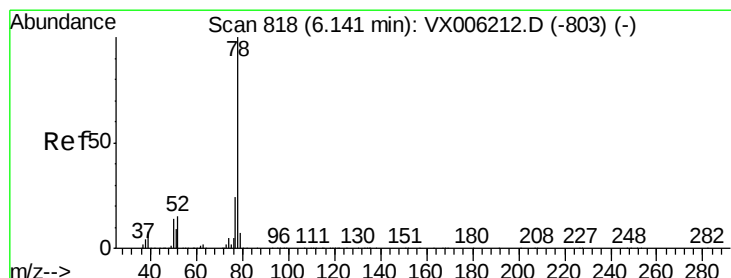
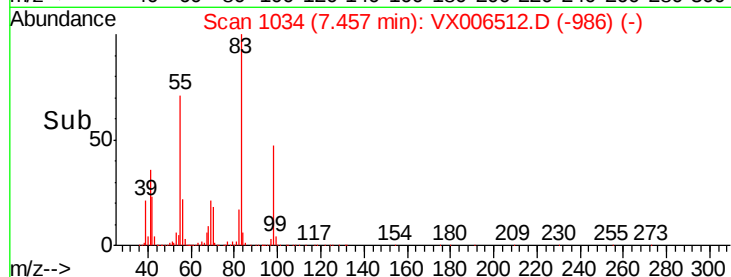
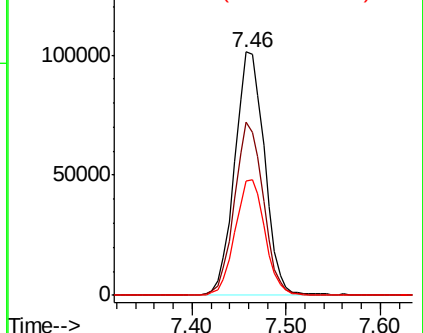
#39
Methylvlcyclohexane
Concen: 22.291 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83.00	Resp	223308
Ion Ratio	Lower	Upper	
83	100		
55	71.3	56.4	84.6
98	46.9	39.0	58.6

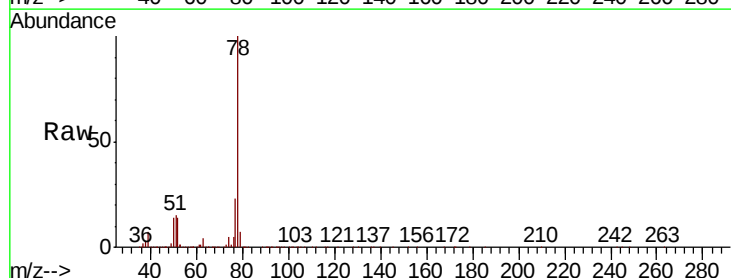


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

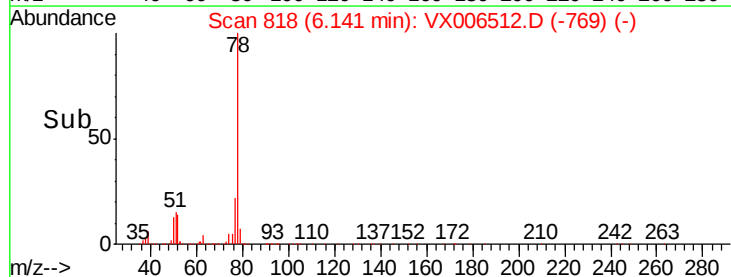
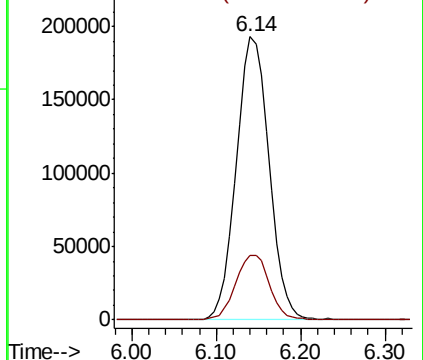


#40
Benzene
Concen: 21.875 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion	78.00	Resp	505640
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.233 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 91466

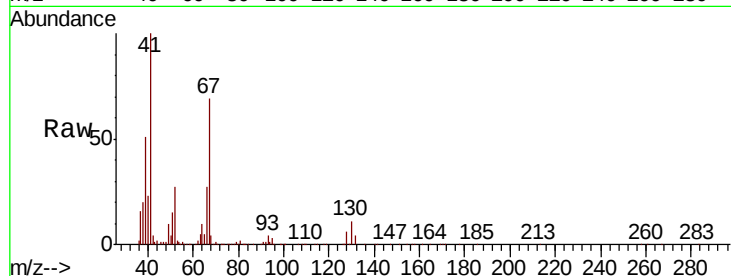
Ion Ratio Lower Upper

41 100

39 57.1 44.0 66.0

67 80.9 61.4 92.0

52 29.6 23.5 35.3

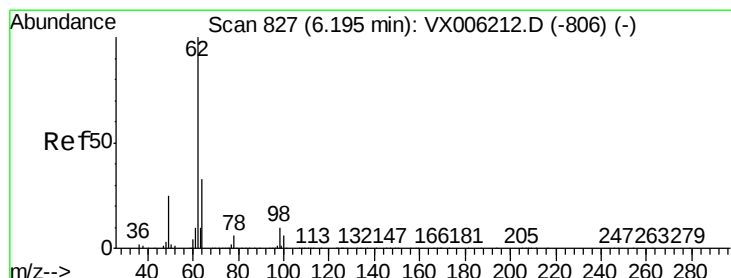
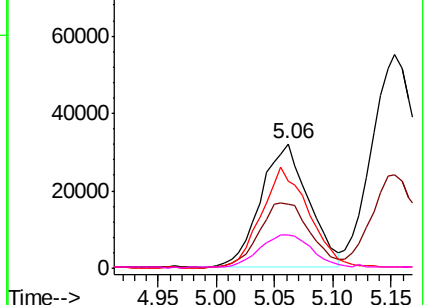
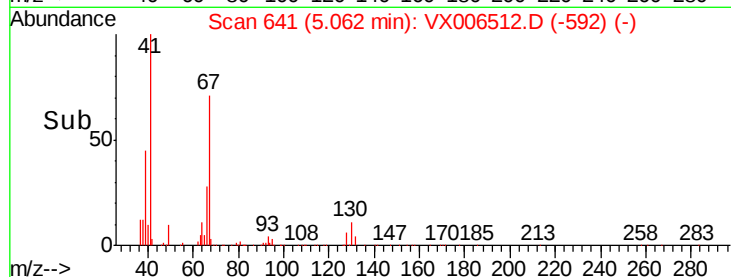


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 22.026 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006512.D

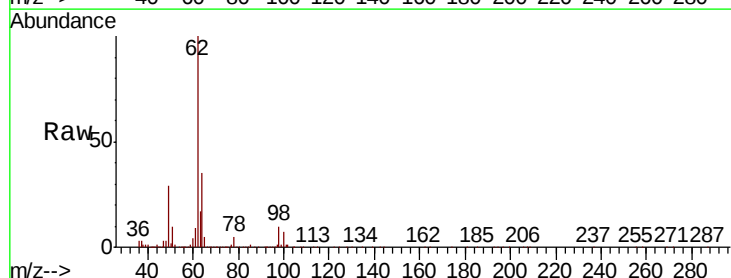
Acq: 14 Dec 2018 12:32

Tgt Ion: 62 Resp: 166631

Ion Ratio Lower Upper

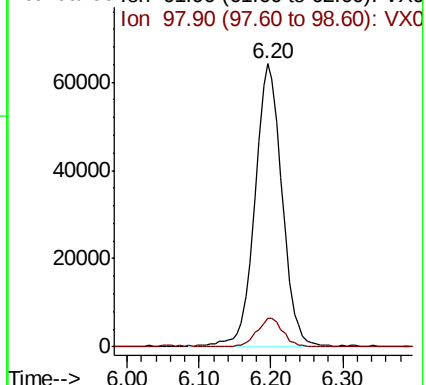
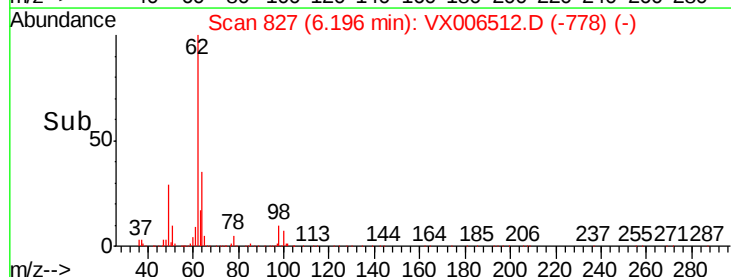
62 100

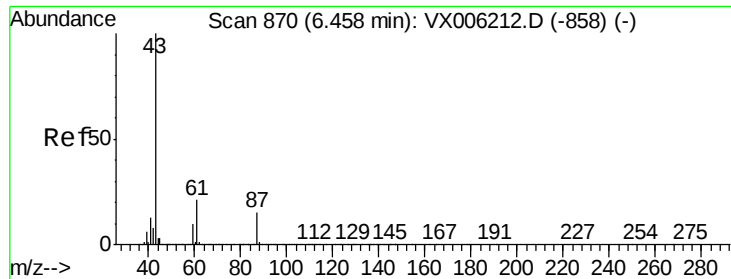
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



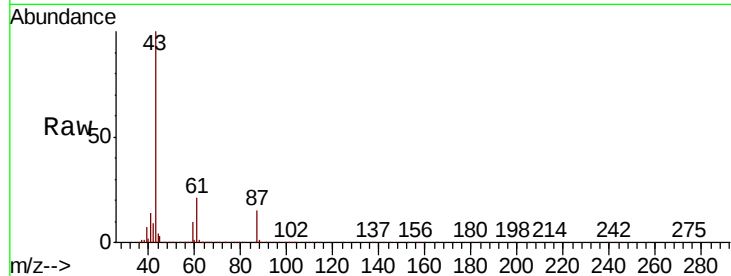


#43

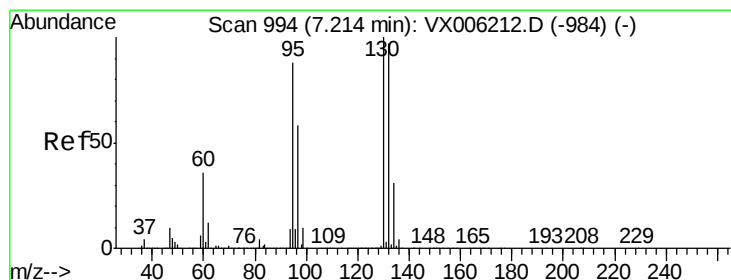
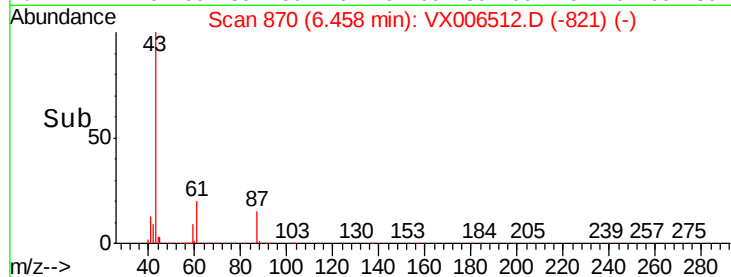
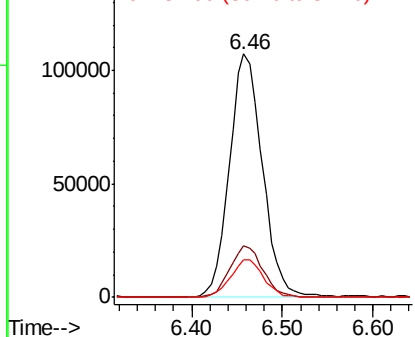
Isopropyl Acetate
 Concen: 18.664 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	268946
Ion Ratio	Lower	Upper	
43	100		
61	21.3	16.8	25.2
87	15.3	11.9	17.9



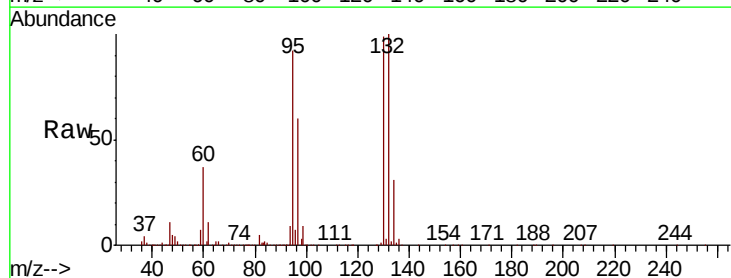
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



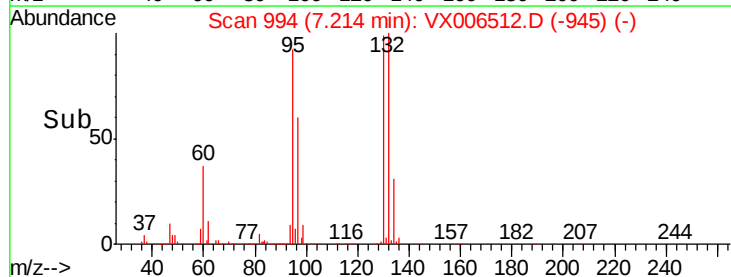
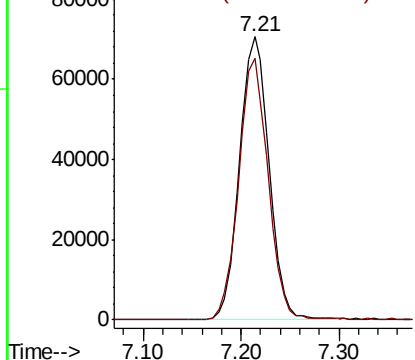
#44

Trichloroethene
 Concen: 21.240 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Tgt Ion	130	Resp	148737
Ion Ratio	Lower	Upper	
130	100		
95	92.3	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.735 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

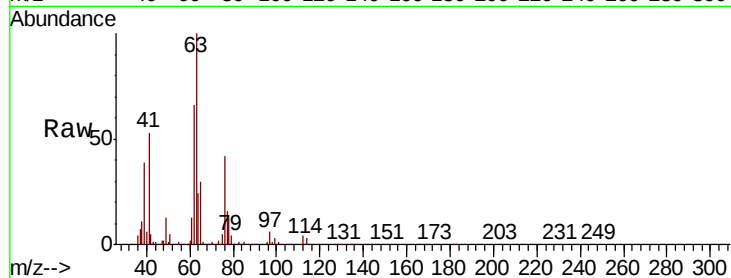
ClientSampleId :

Tot Ion: 63 Resp: 121813

Ion Ratio Lower Upper

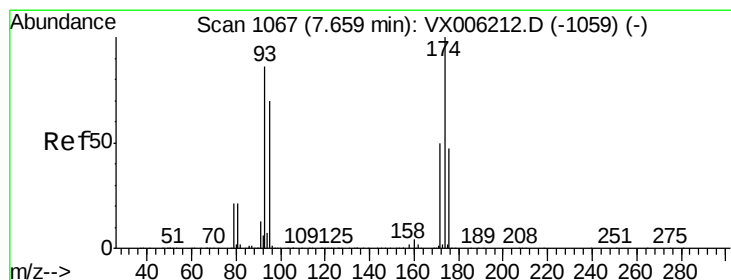
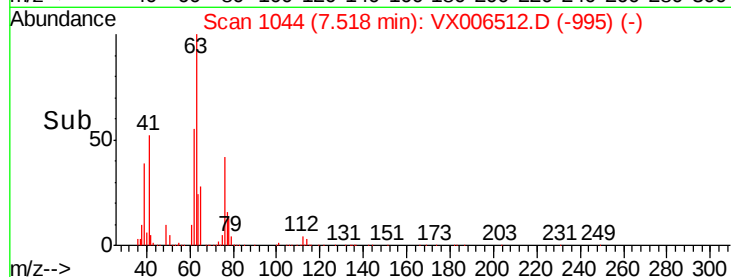
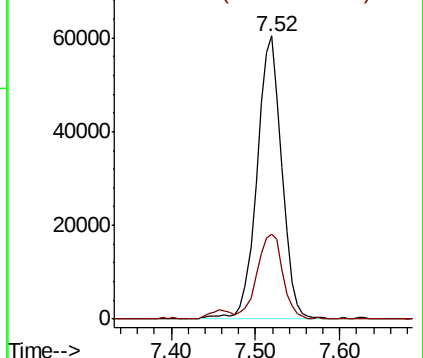
63 100

65 29.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.867 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

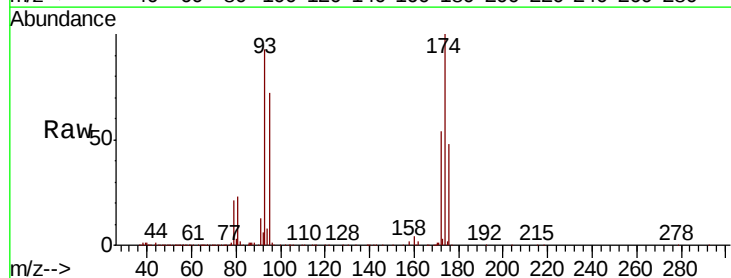
Tgt Ion: 93 Resp: 88535

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.4

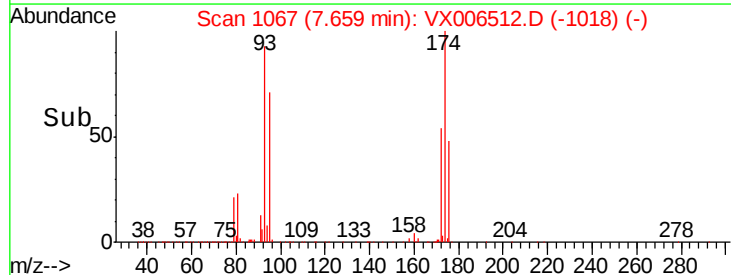
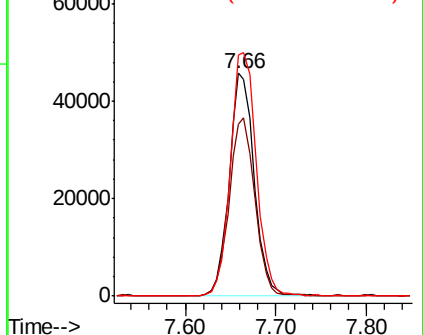
174 113.1 97.2 145.8

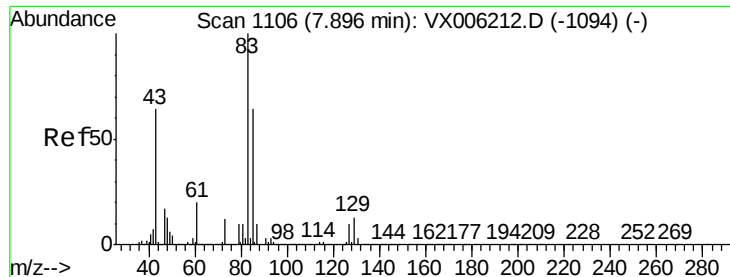


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.638 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :

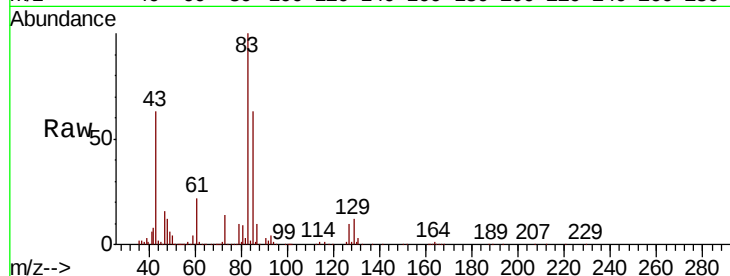
Tot Ion: 83 Resp: 153138

Ion Ratio Lower Upper

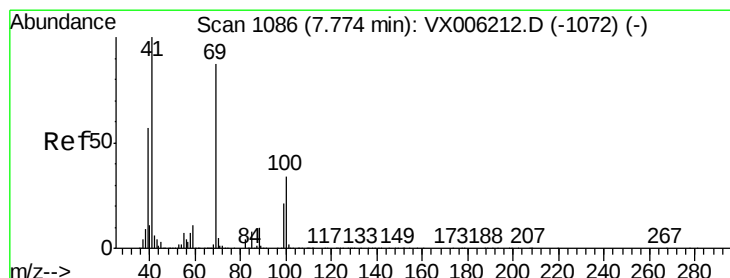
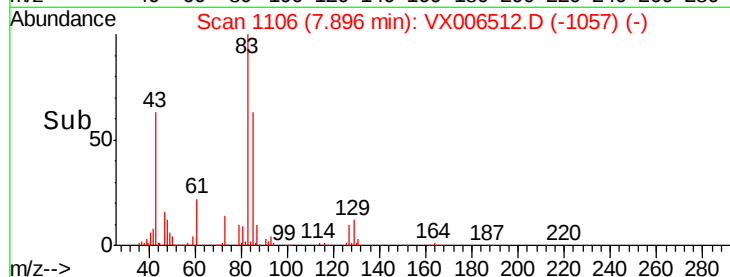
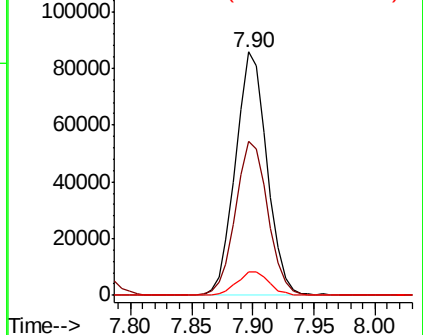
83 100

85 63.3 51.4 77.0

127 9.6 7.9 11.9



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



#48

Methyl methacrylate

Concen: 19.139 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

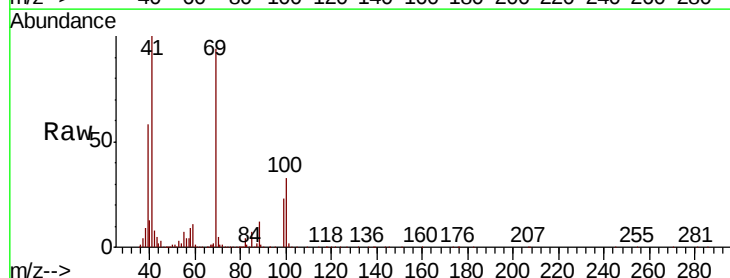
Tgt Ion: 41 Resp: 134166

Ion Ratio Lower Upper

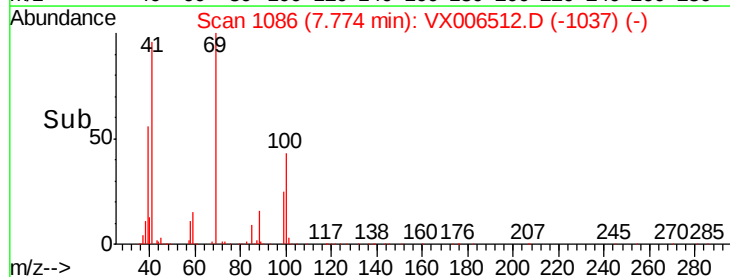
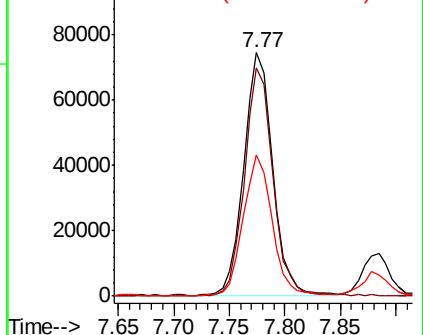
41 100

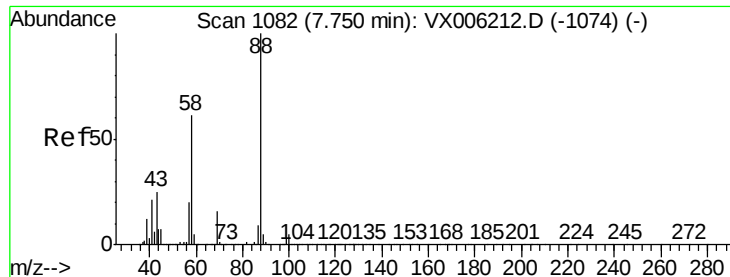
69 93.8 70.3 105.5

39 57.7 45.3 67.9



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





#49

1,4-Dioxane

Concen: 422.362 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :

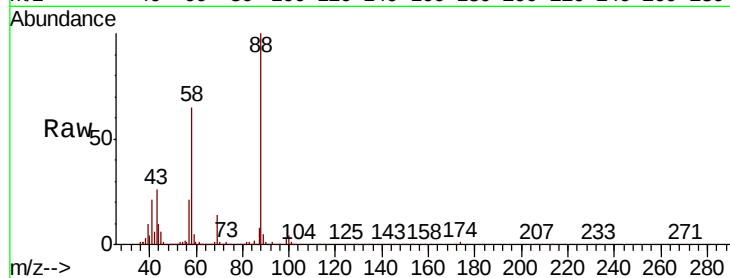
Tot Ion: 88 Resp: 72975

Ion Ratio Lower Upper

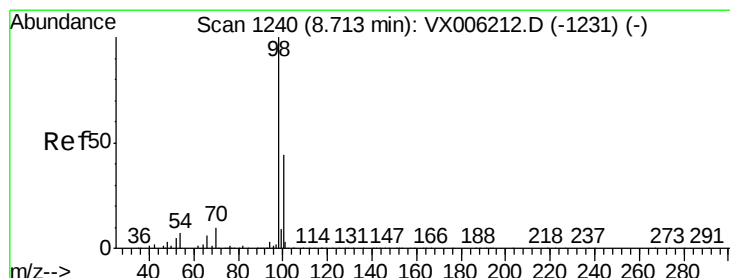
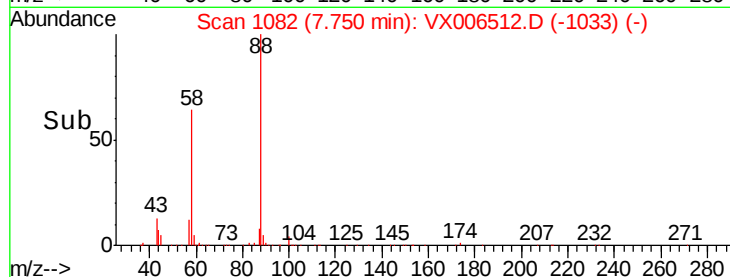
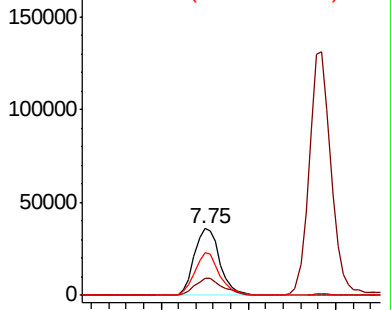
88 100

43 28.0 23.2 34.8

58 62.3 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.902 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006512.D

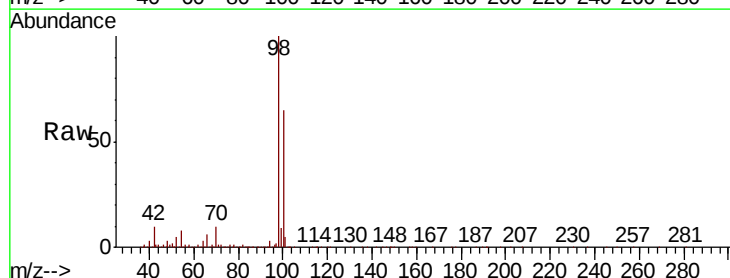
Acq: 14 Dec 2018 12:32

Tgt Ion: 98 Resp: 1055488

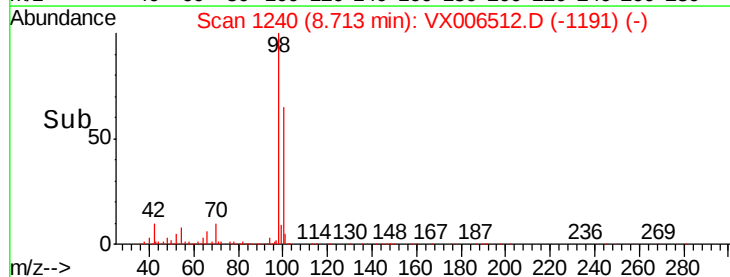
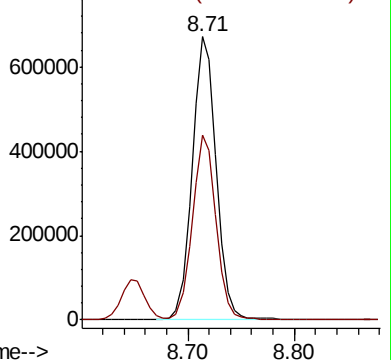
Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 100.781 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

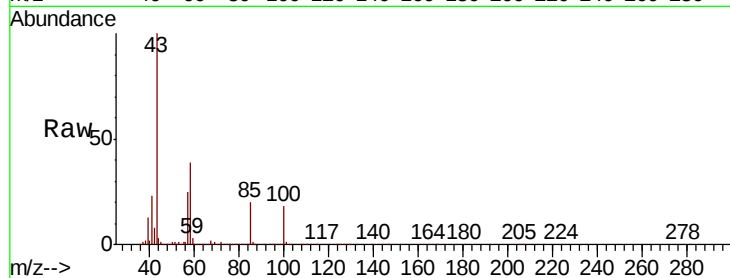
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 845418

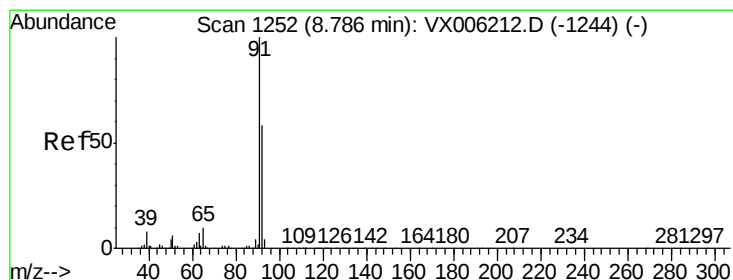
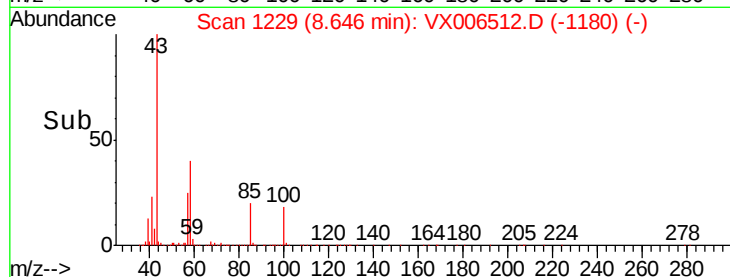
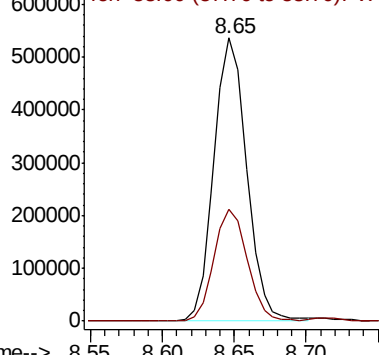
Ion Ratio Lower Upper

43 100

58 40.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 22.110 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006512.D

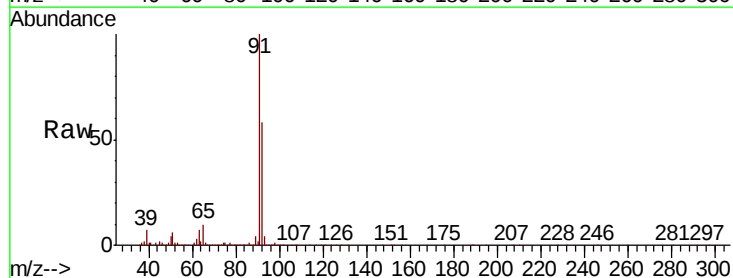
Acq: 14 Dec 2018 12:32

Tgt Ion: 92 Resp: 336237

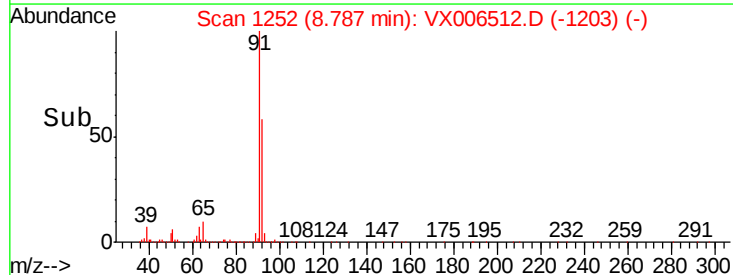
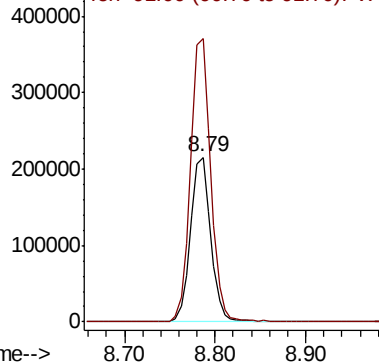
Ion Ratio Lower Upper

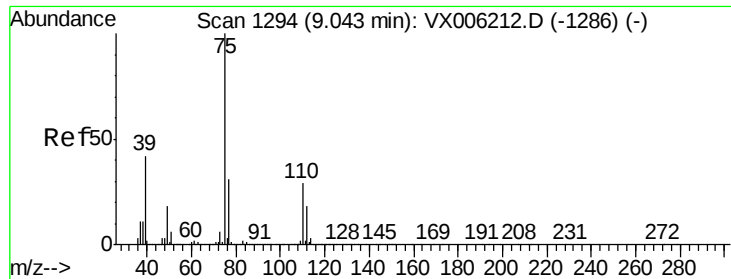
92 100

91 172.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.685 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

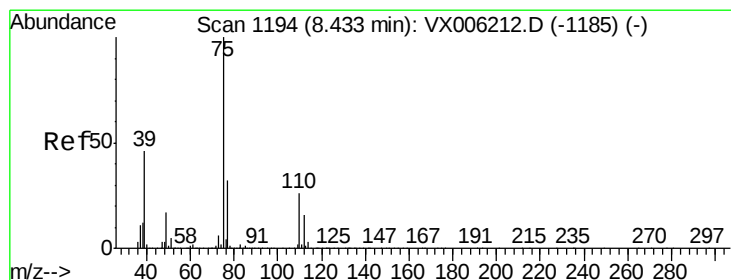
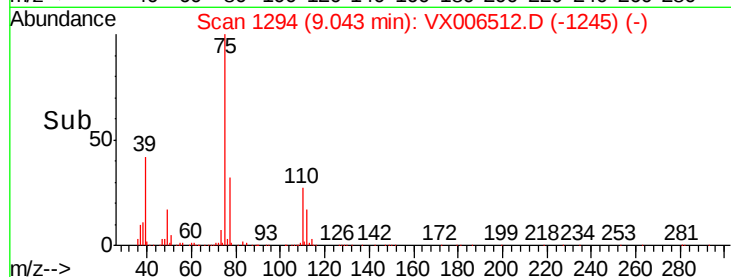
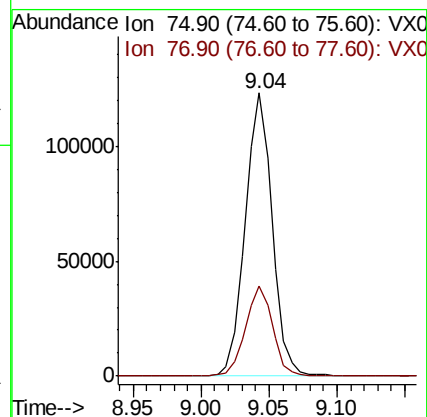
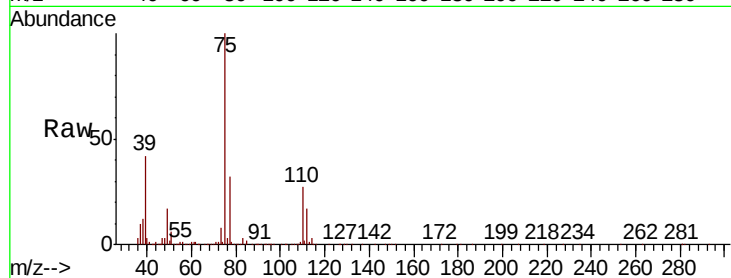
ClientSampled :

Tot Ion: 75 Resp: 169941

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.120 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

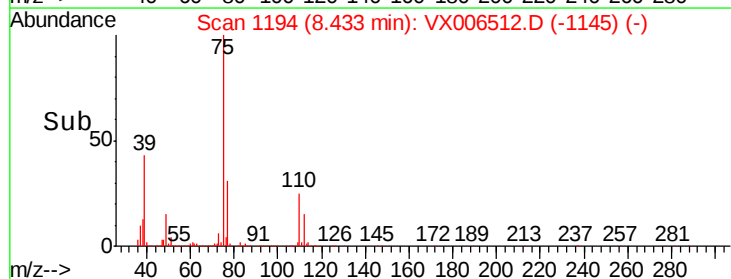
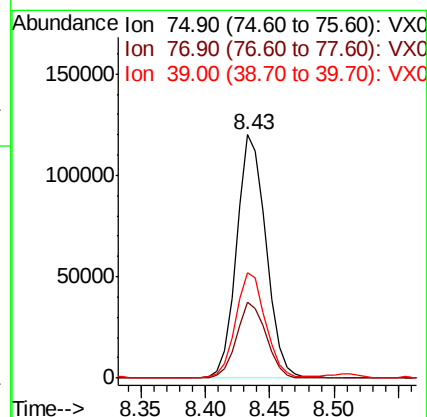
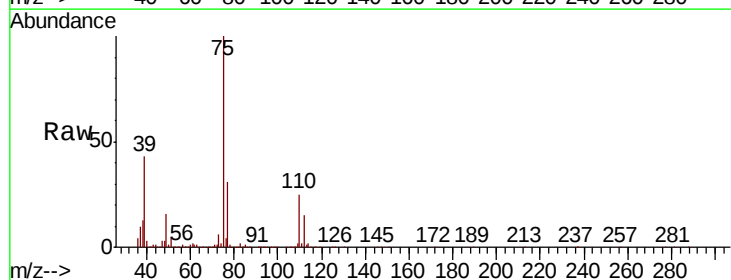
Tgt Ion: 75 Resp: 190780

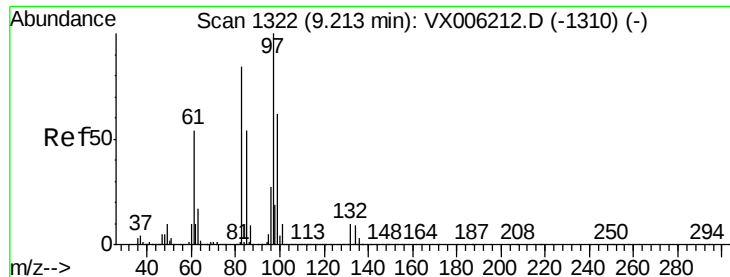
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 43.0 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 22.086 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 136449

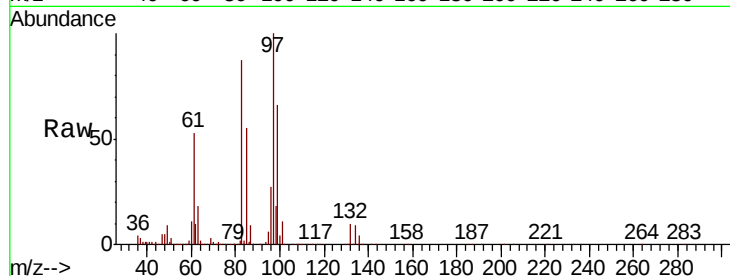
Ion Ratio Lower Upper

97 100

83 87.1 67.1 100.7

85 55.1 43.2 64.8

99 65.6 49.8 74.6

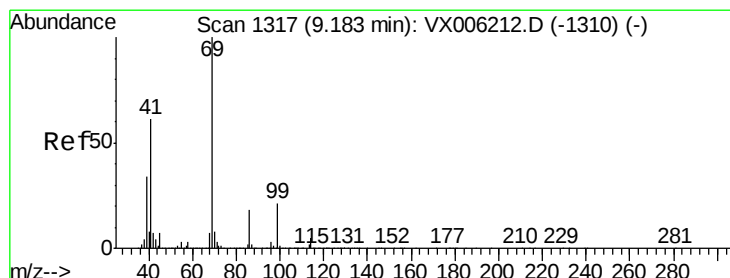
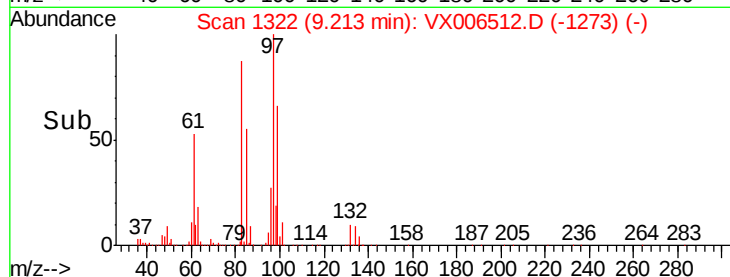
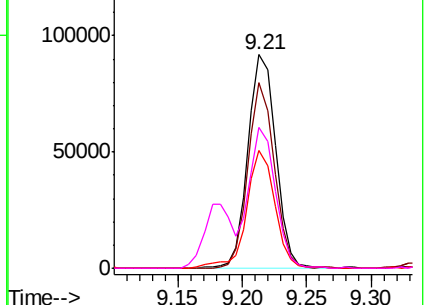


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.436 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

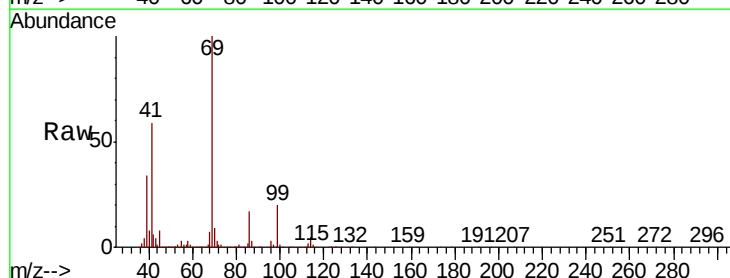
Tgt Ion: 69 Resp: 197381

Ion Ratio Lower Upper

69 100

41 60.0 50.6 76.0

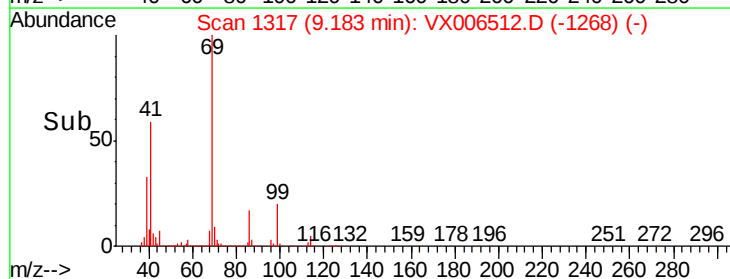
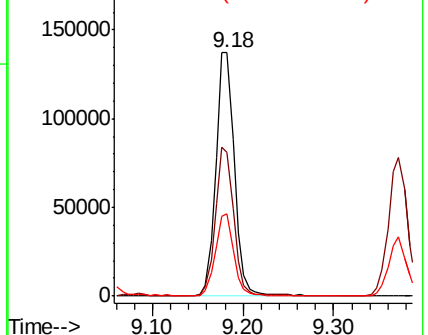
39 32.9 27.6 41.4

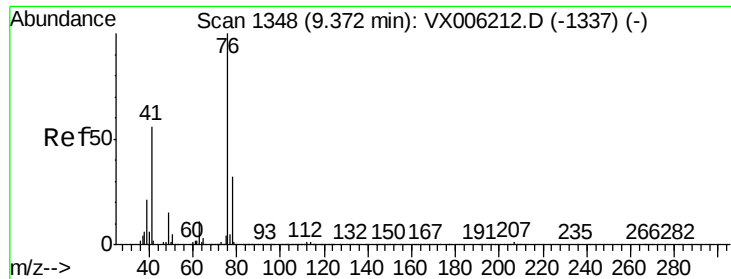


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.682 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

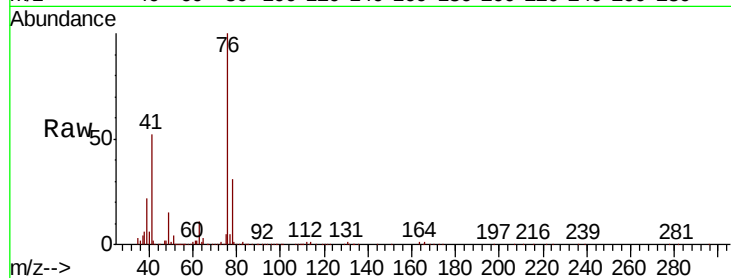
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 211820

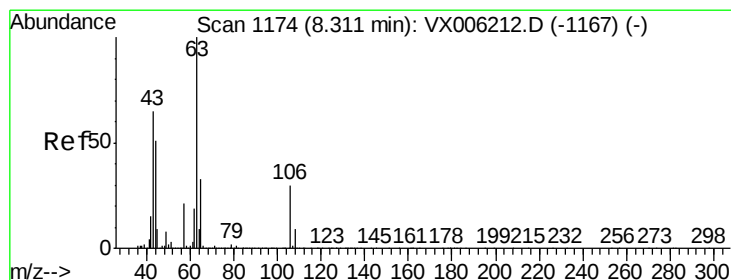
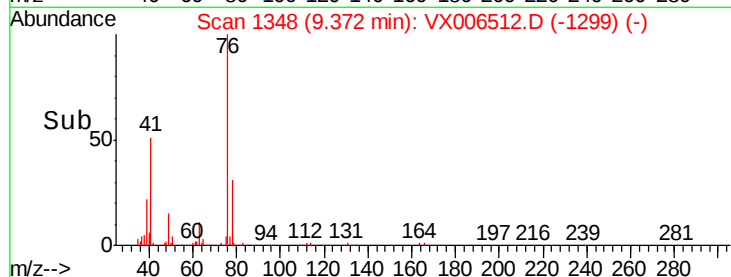
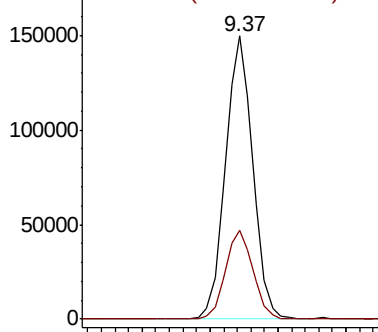
Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.115 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006512.D

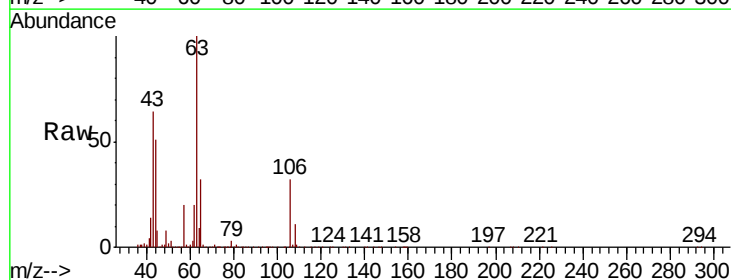
Acq: 14 Dec 2018 12:32

Tgt Ion: 63 Resp: 461266

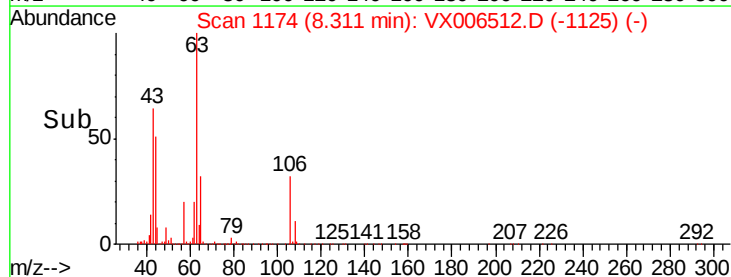
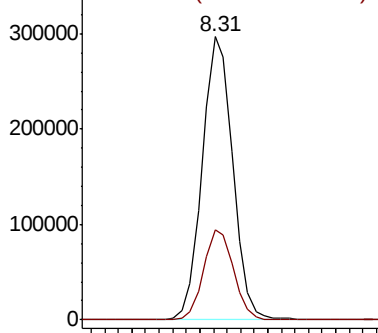
Ion Ratio Lower Upper

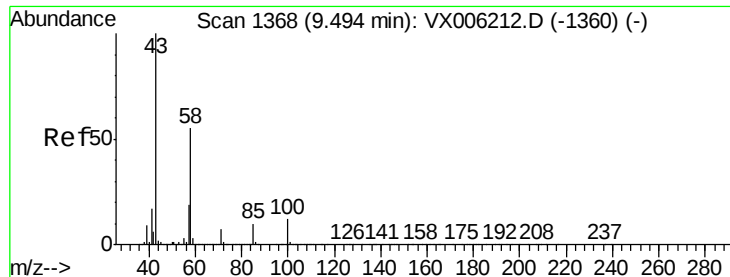
63 100

106 31.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

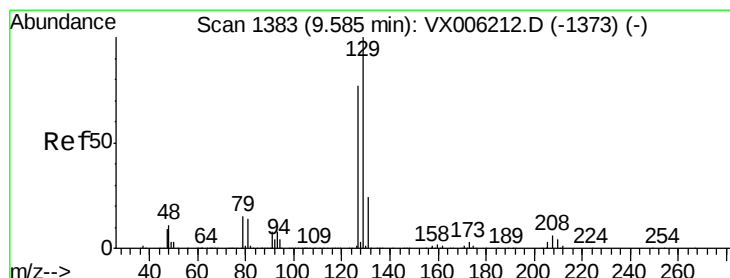
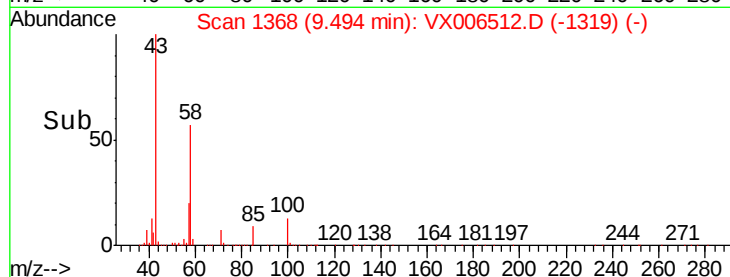
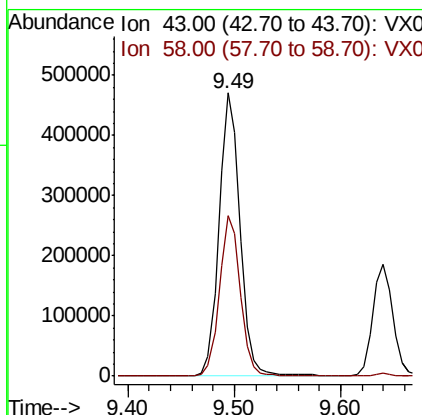
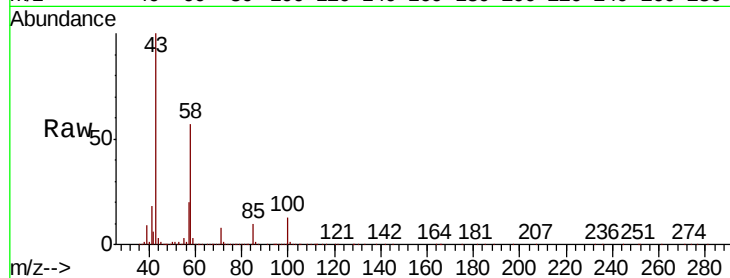




#59
2-Hexanone
Concen: 100.526 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

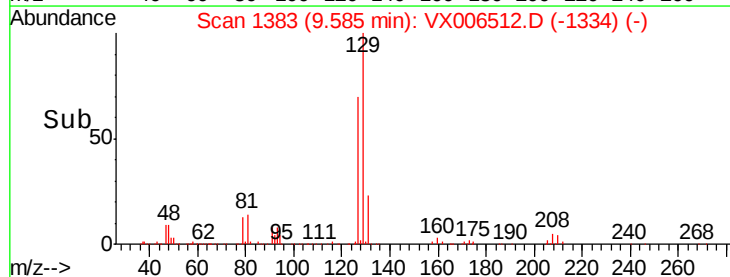
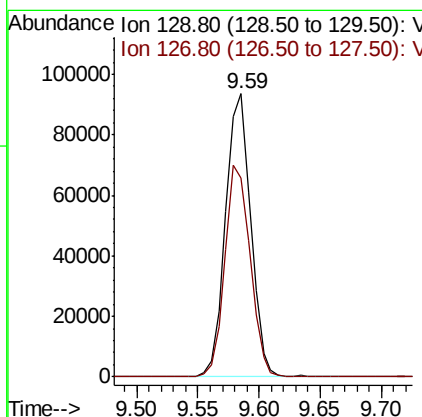
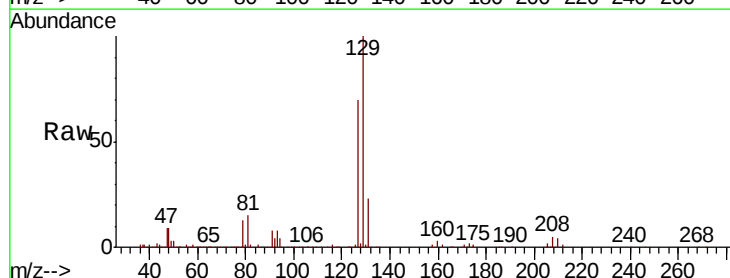
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 644264
Ion Ratio Lower Upper
43 100
58 56.7 27.7 83.1



#60
Dibromochloromethane
Concen: 17.482 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion: 129 Resp: 133180
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.843 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

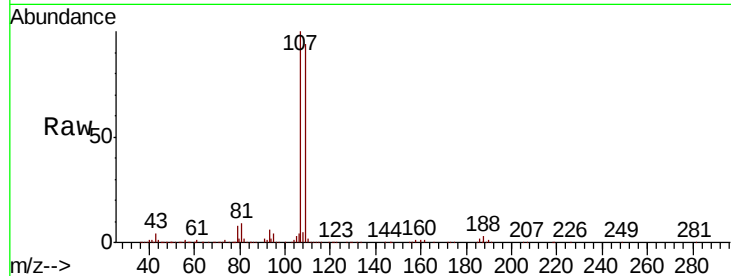
ClientSampleId :

Tot Ion:107 Resp: 143981

Ion Ratio Lower Upper

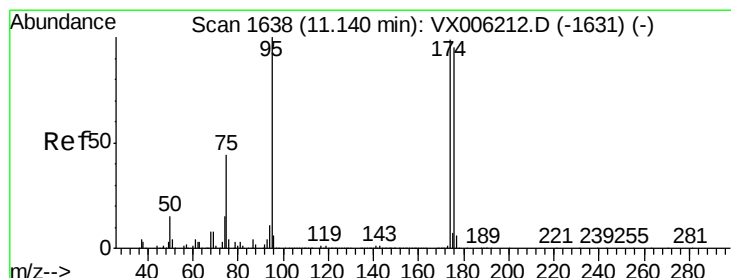
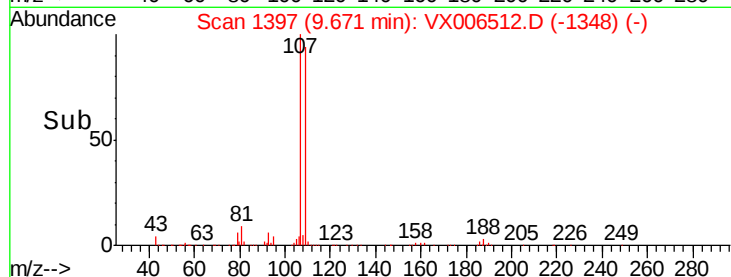
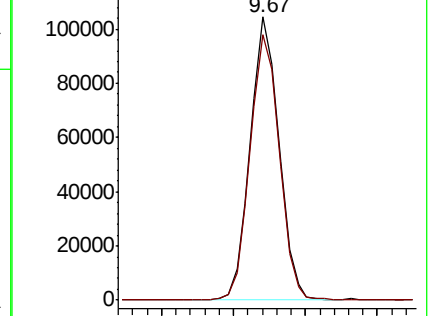
107 100

109 95.8 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

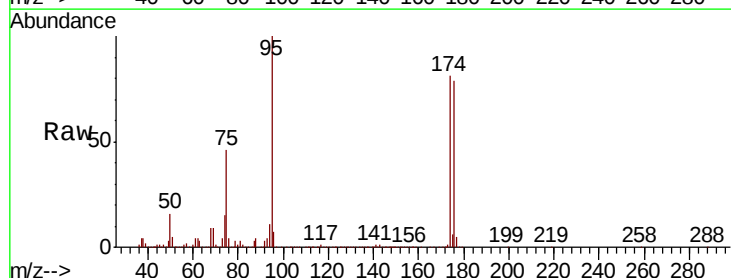
Tgt Ion: 95 Resp: 413685

Ion Ratio Lower Upper

95 100

174 89.2 0.0 187.0

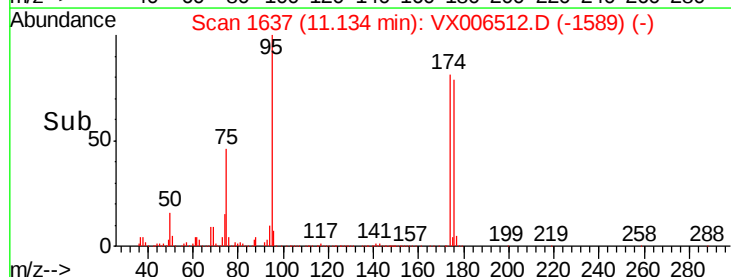
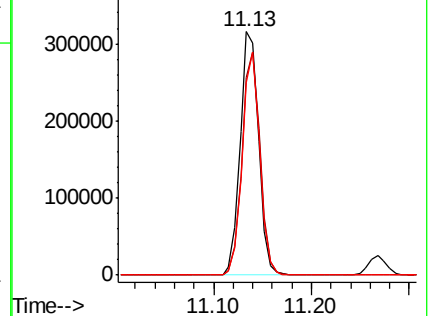
176 86.9 0.0 181.8

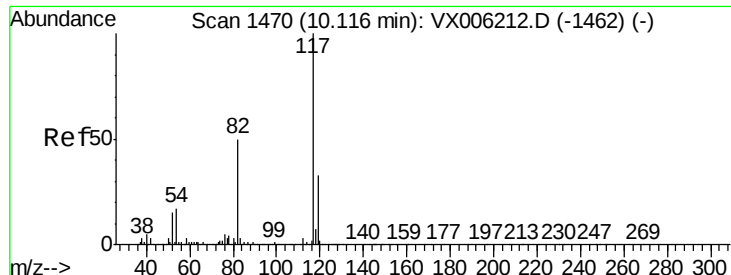


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

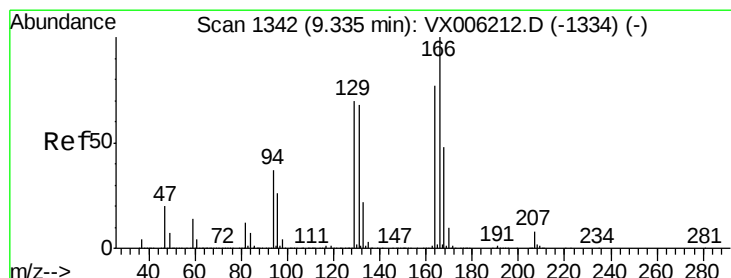
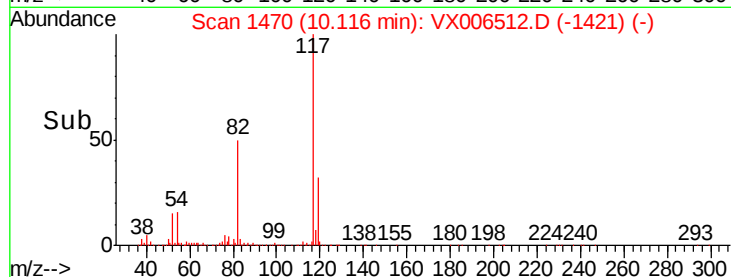
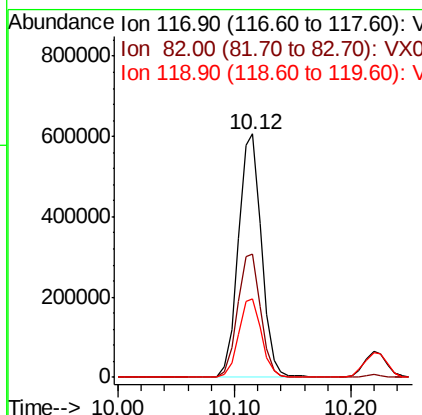
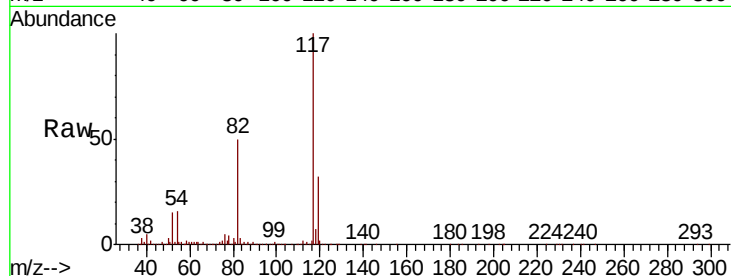




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

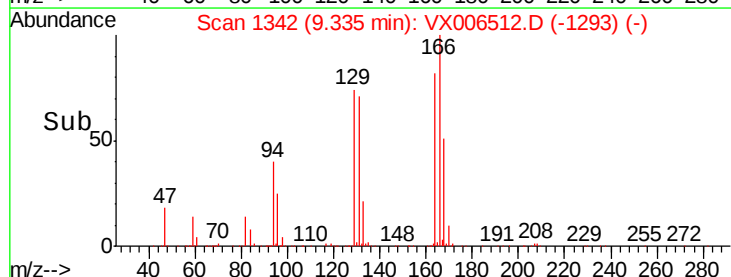
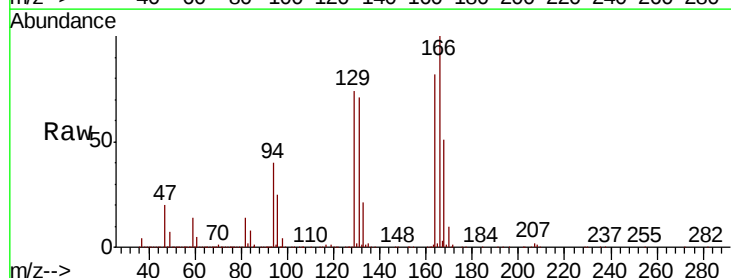
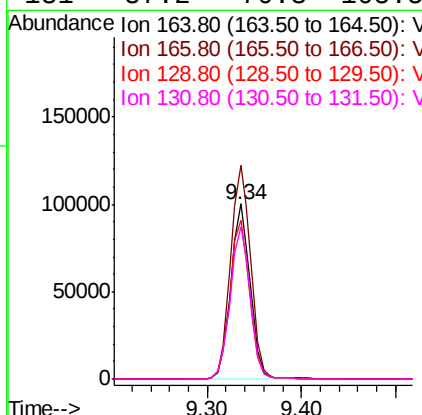
Instrument :
MSVOA_X
ClientSampleId :

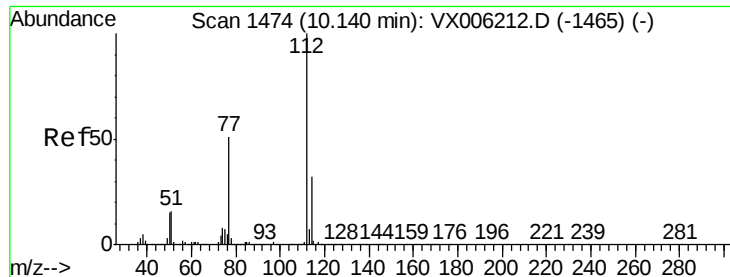
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	39.6	59.4
119	32.3	26.3	39.5



#64
Tetrachloroethene
Concen: 22.645 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	104.2	156.2
129	90.9	72.6	108.8
131	87.2	70.3	105.5

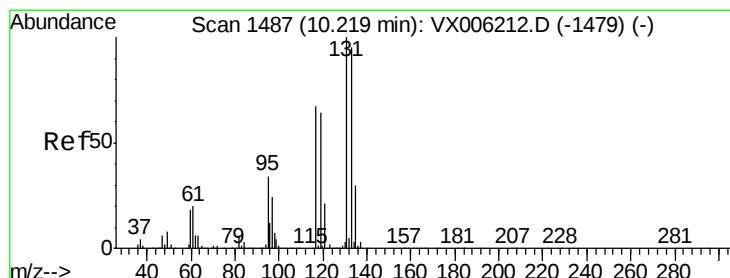
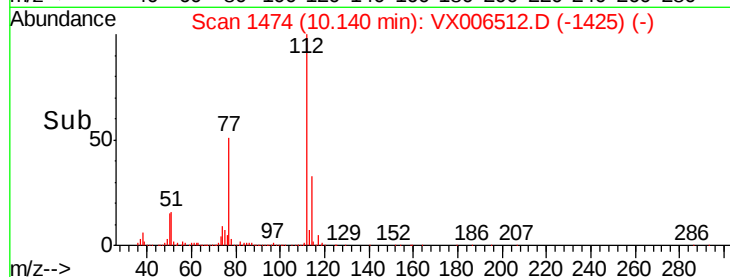
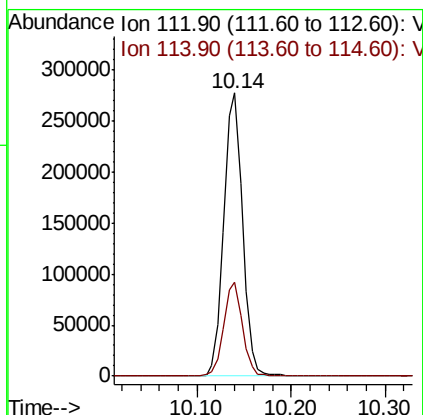
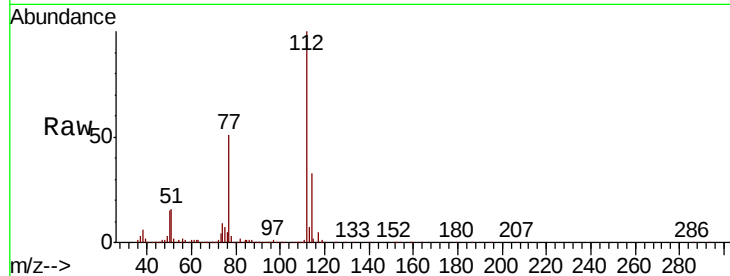




#65
Chlorobenzene
Concen: 21.561 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

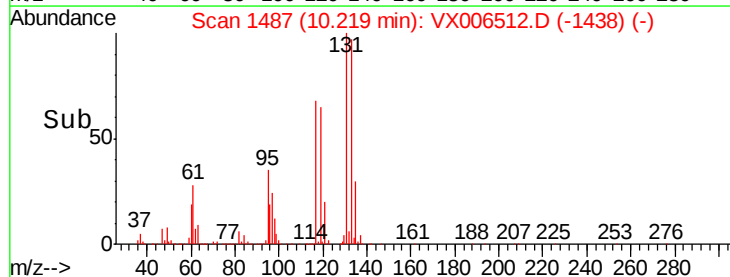
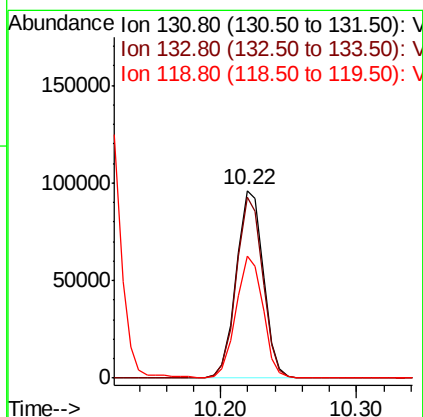
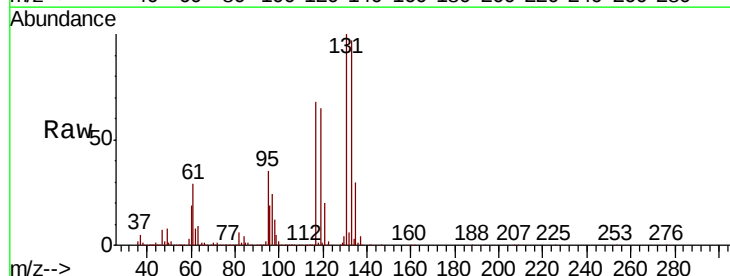
Instrument :
MSVOA_X
ClientSampleId :

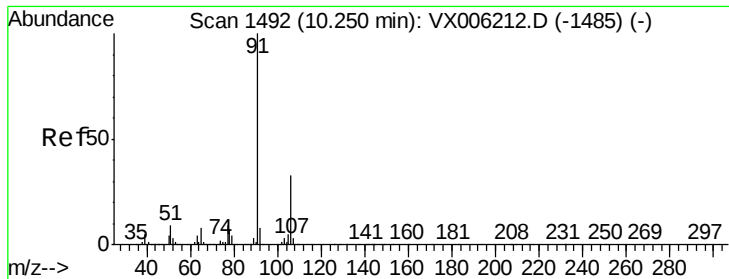
Tot Ion:112 Resp: 384154
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.195 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion:131 Resp: 132882
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 64.8 32.1 96.3





#67

Ethyl Benzene

Concen: 21.680 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

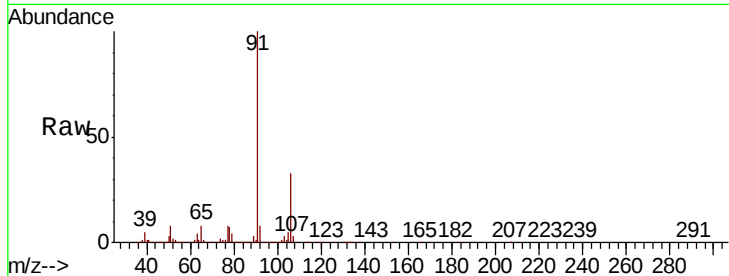
ClientSampled :

Tot Ion: 91 Resp: 642468

Ion Ratio Lower Upper

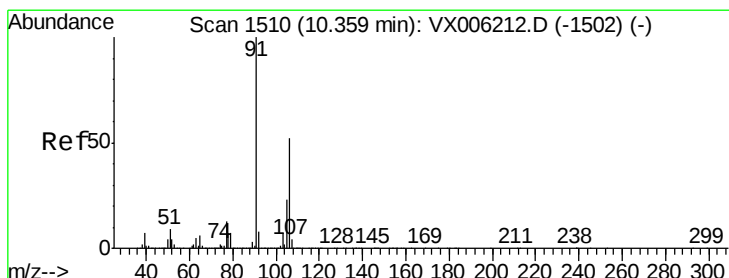
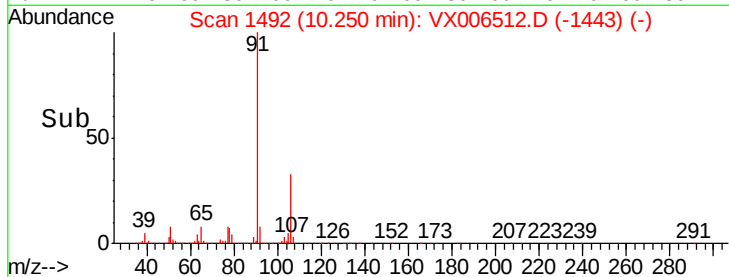
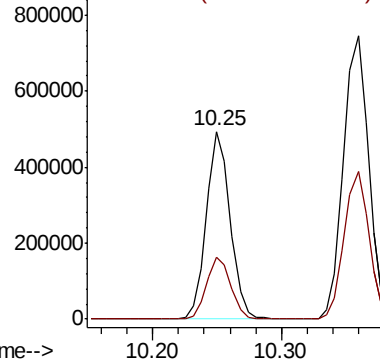
91 100

106 33.2 26.5 39.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.785 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006512.D

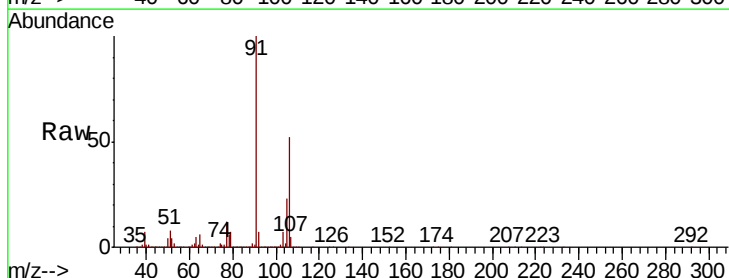
Acq: 14 Dec 2018 12:32

Tgt Ion: 106 Resp: 519747

Ion Ratio Lower Upper

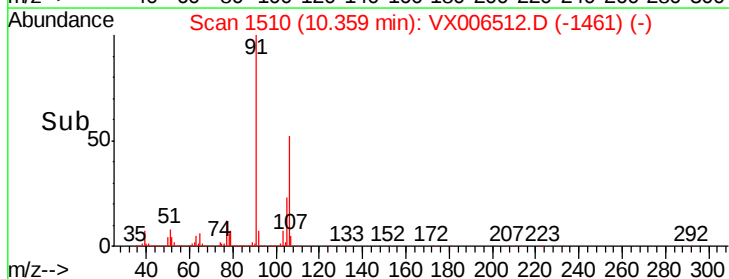
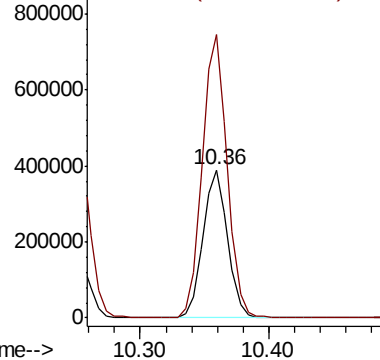
106 100

91 194.2 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

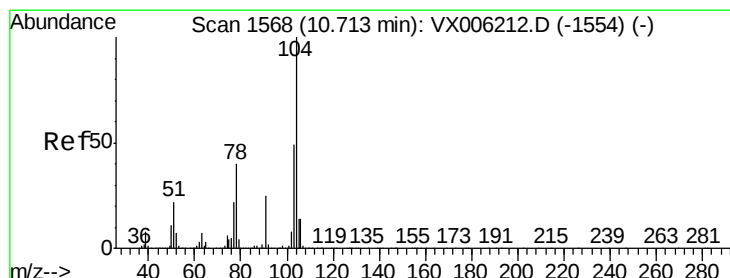
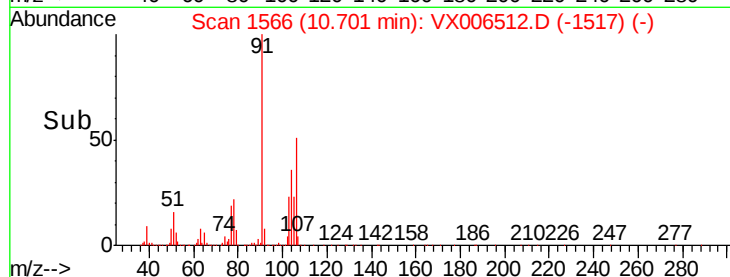
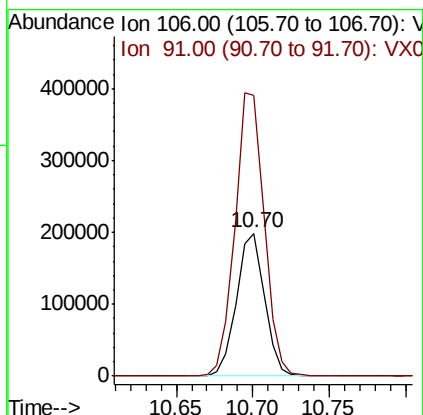
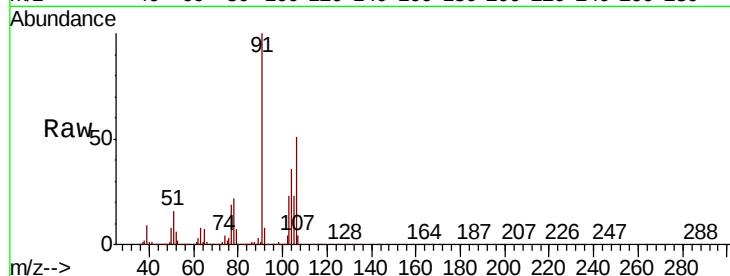




#69
o-Xylene
Concen: 21.586 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

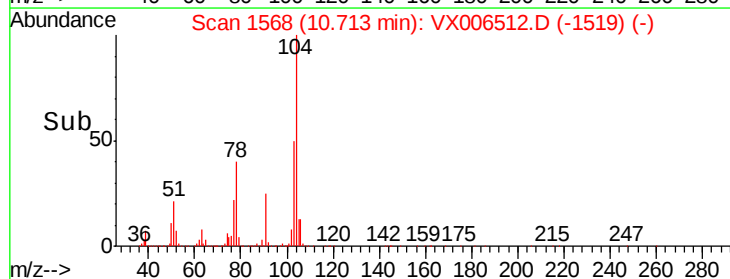
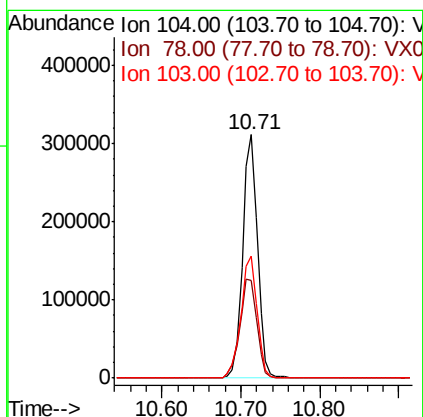
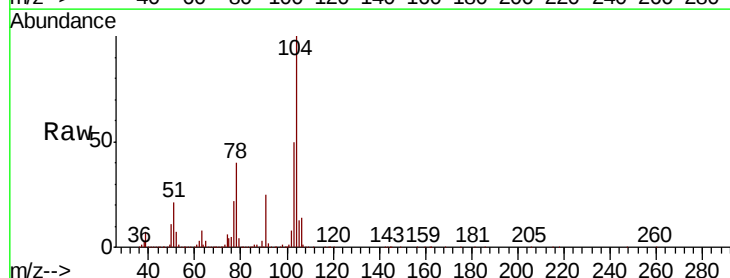
Instrument :
MSVOA_X
ClientSampleId :

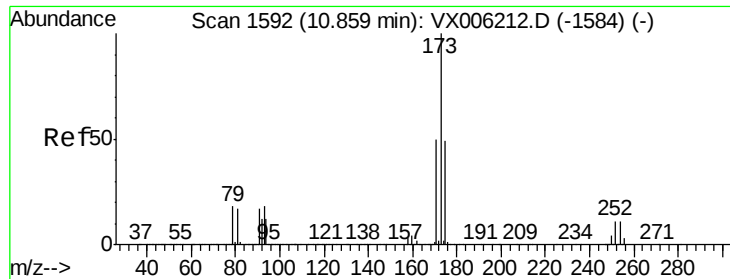
Tot Ion:106 Resp: 253098
Ion Ratio Lower Upper
106 100
91 206.3 101.8 305.6



#70
Styrene
Concen: 21.459 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion:104 Resp: 406949
Ion Ratio Lower Upper
104 100
78 47.2 37.2 55.8
103 54.9 43.5 65.3

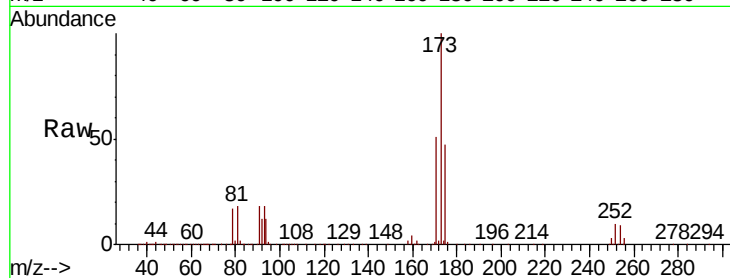




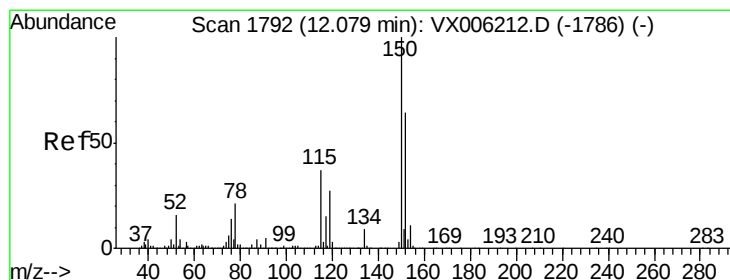
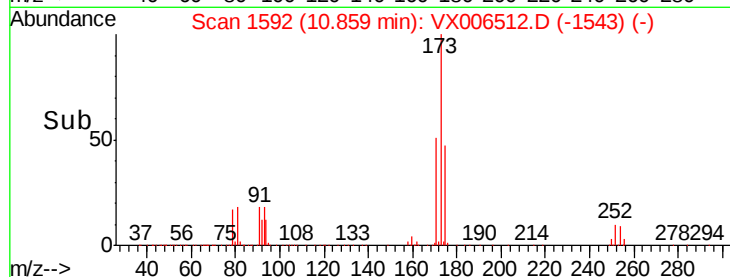
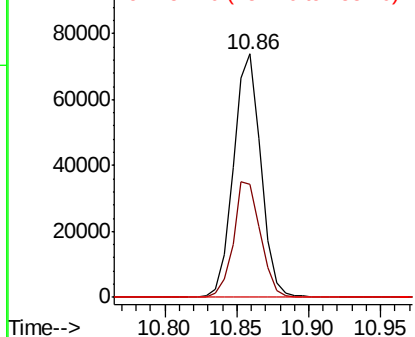
#71
Bromoform
Concen: 15.024 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 98178
Ion Ratio Lower Upper
173 100
175 47.2 24.6 73.8
254 0.1 0.2 0.2#

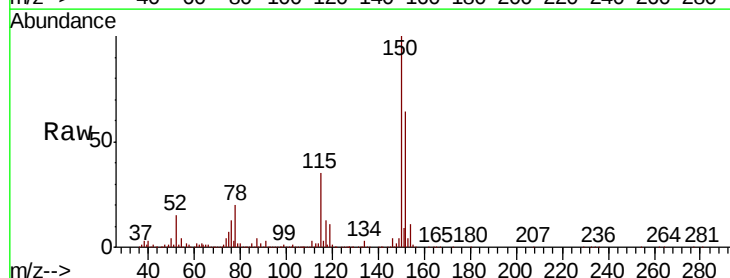


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

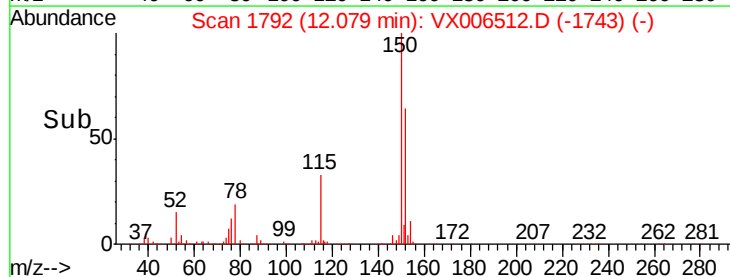
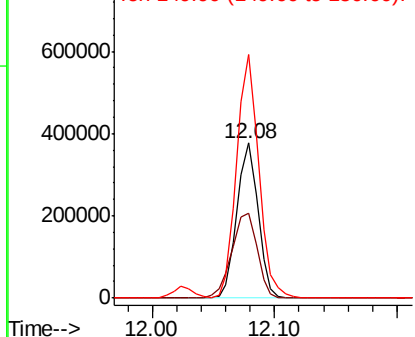


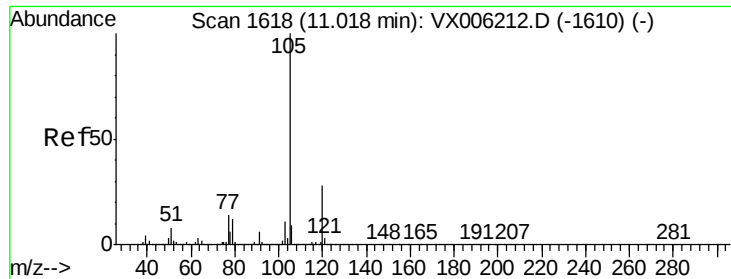
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006512.D
Acq: 14 Dec 2018 12:32

Tgt Ion:152 Resp: 448094
Ion Ratio Lower Upper
152 100
115 66.1 39.0 116.9
150 163.9 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: 22.003 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

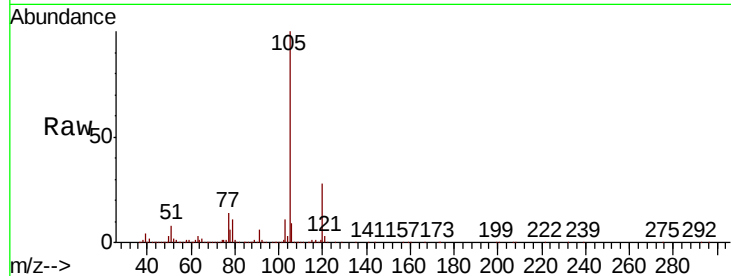
ClientSampleId :

Tot Ion:105 Resp: 680893

Ion Ratio Lower Upper

105 100

120 27.9 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

500000

400000

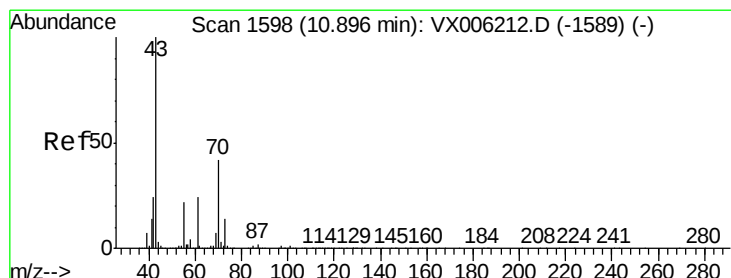
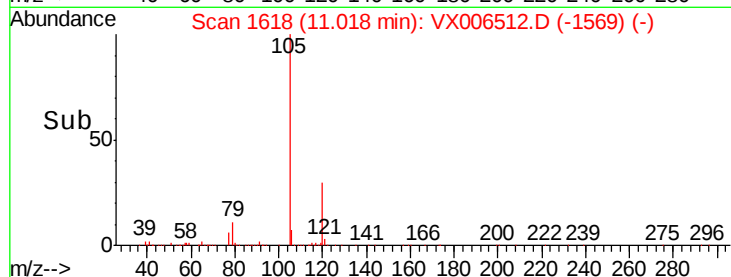
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 18.342 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Tgt Ion: 43 Resp: 244422

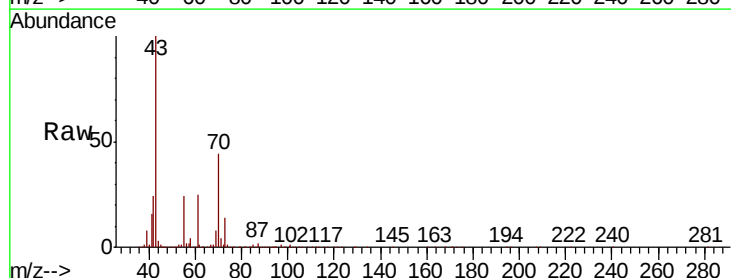
Ion Ratio Lower Upper

43 100

70 45.6 34.1 51.1

55 24.4 17.8 26.8

61 24.8 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

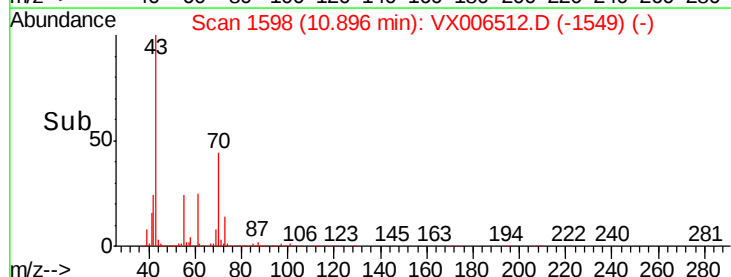
150000

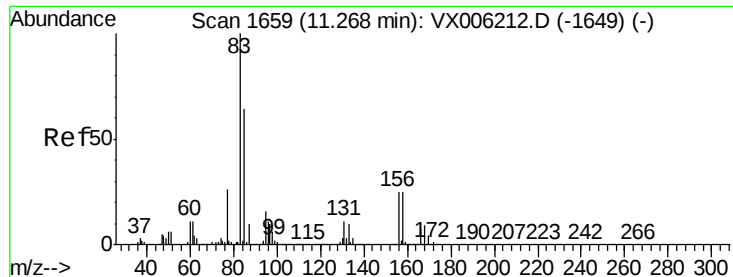
100000

50000

0

Time--> 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

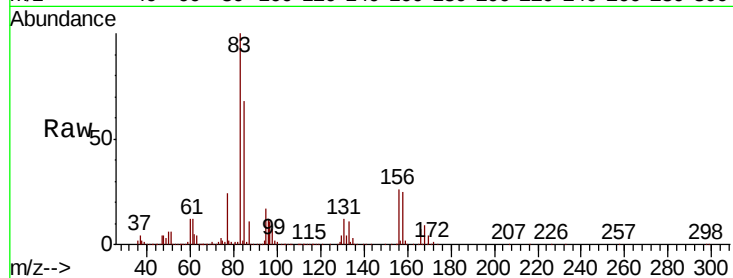
Tot Ion: 83 Resp: 199831

Ion Ratio Lower Upper

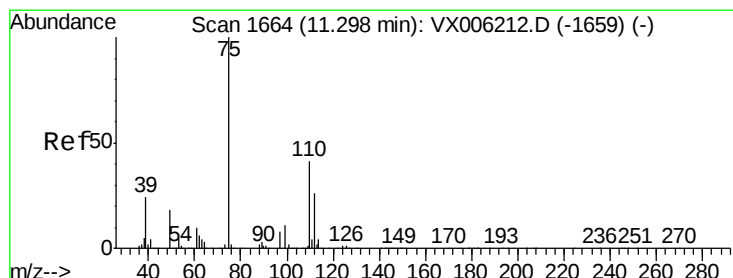
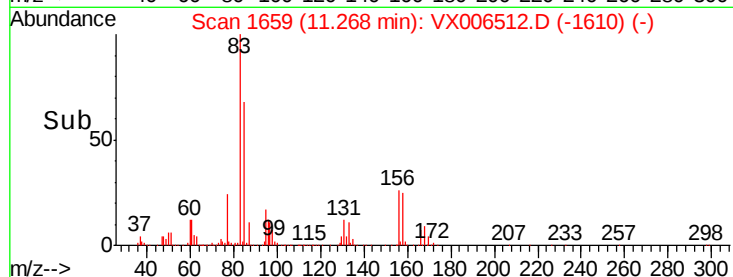
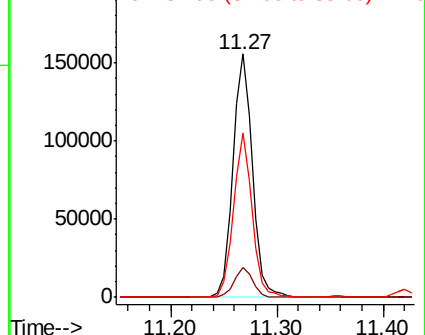
83 100

131 11.9 5.7 17.1

85 65.0 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.126 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006512.D

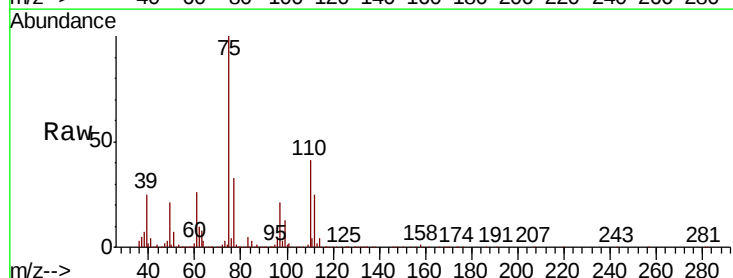
Acq: 14 Dec 2018 12:32

Tgt Ion: 75 Resp: 225961

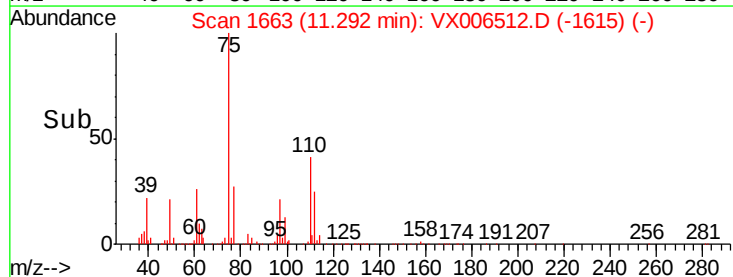
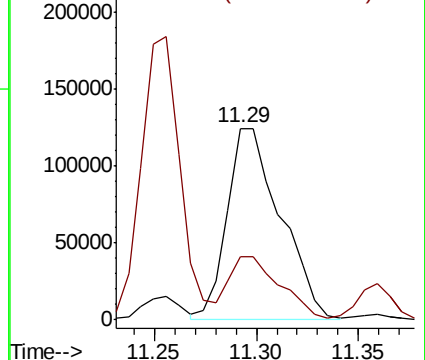
Ion Ratio Lower Upper

75 100

77 31.7 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.917 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

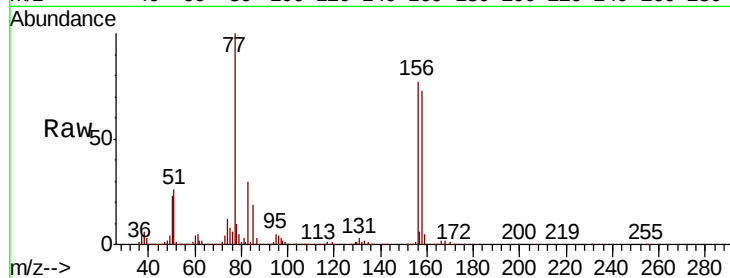
Tot Ion:156 Resp: 179630

Ion Ratio Lower Upper

156 100

77 135.5 66.2 198.6

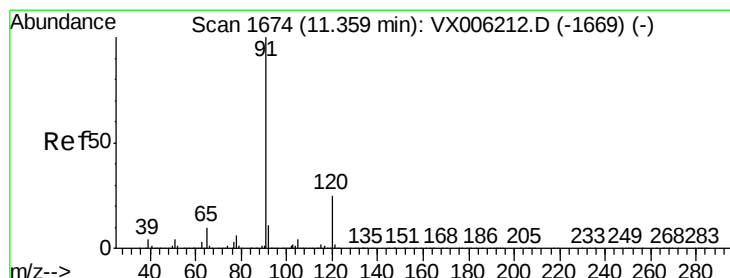
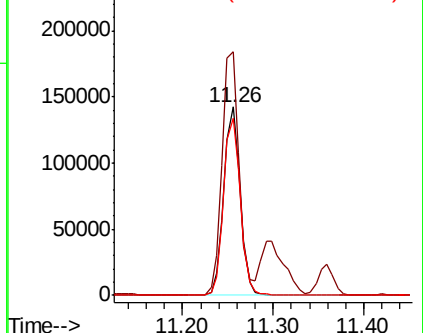
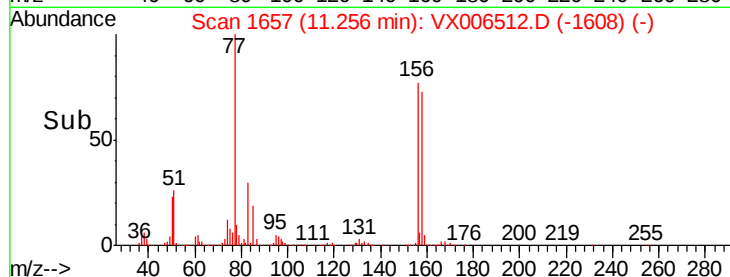
158 96.6 48.8 146.4



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: 21.738 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006512.D

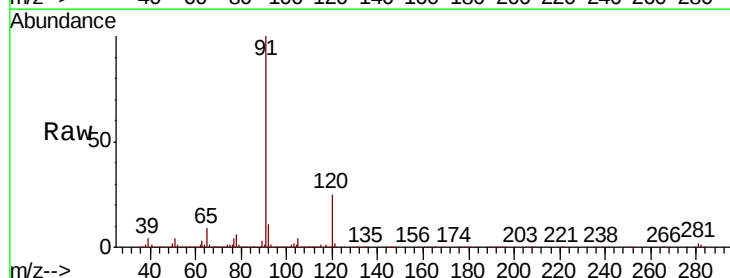
Acq: 14 Dec 2018 12:32

Tgt Ion: 91 Resp: 747735

Ion Ratio Lower Upper

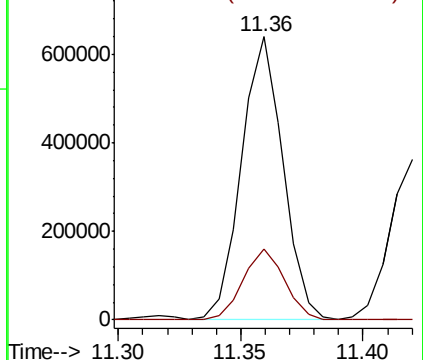
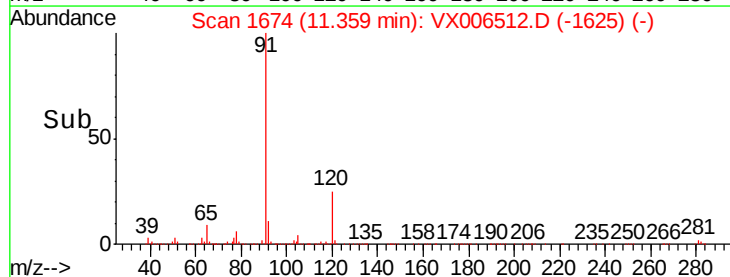
91 100

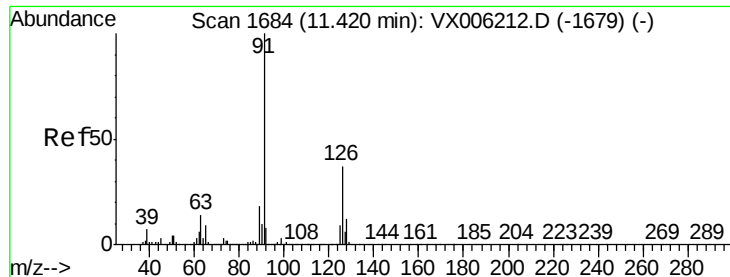
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.700 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

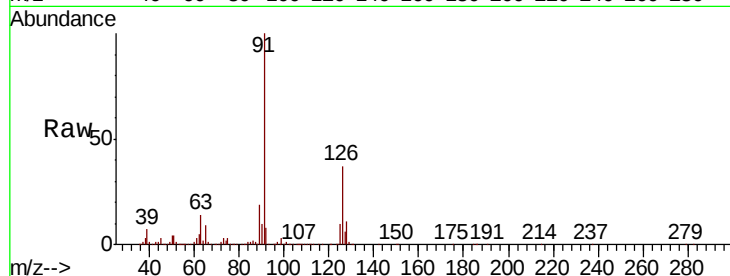
ClientSampleId :

Tot Ion: 91 Resp: 443646

Ion Ratio Lower Upper

91 100

126 37.2 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006512.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006512.D (-1679) (-)

600000

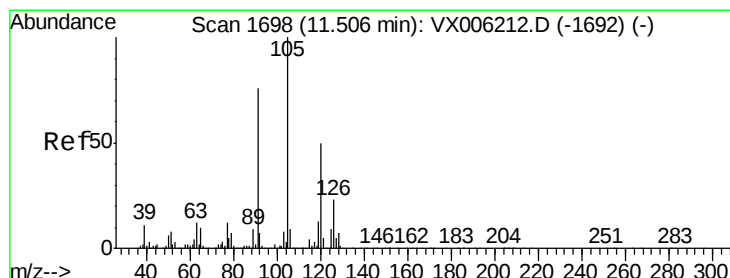
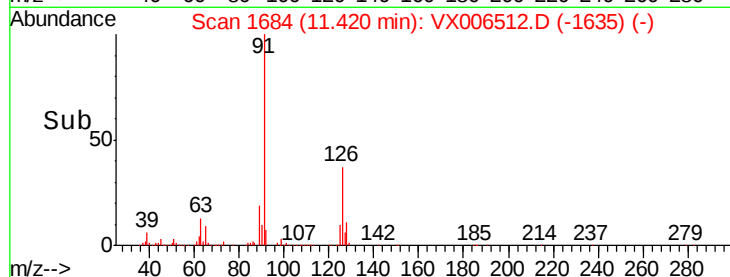
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.733 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006512.D

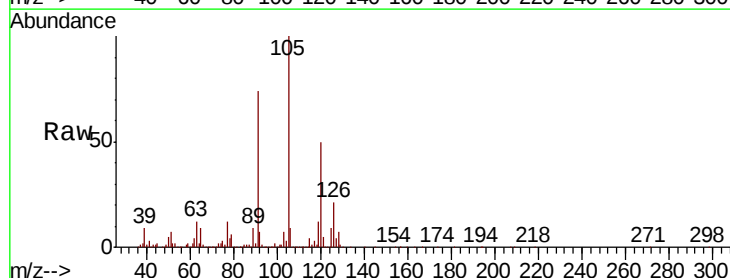
Acq: 14 Dec 2018 12:32

Tgt Ion: 105 Resp: 559560

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006512.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006512.D (-1692) (-)

500000

400000

300000

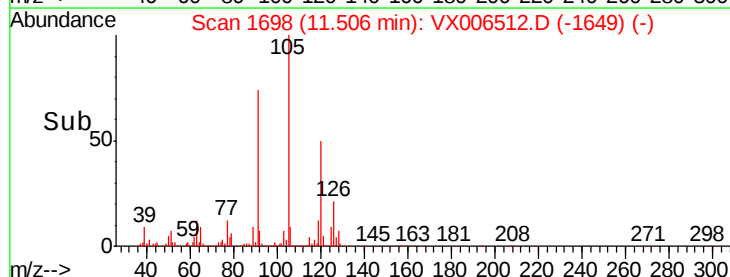
200000

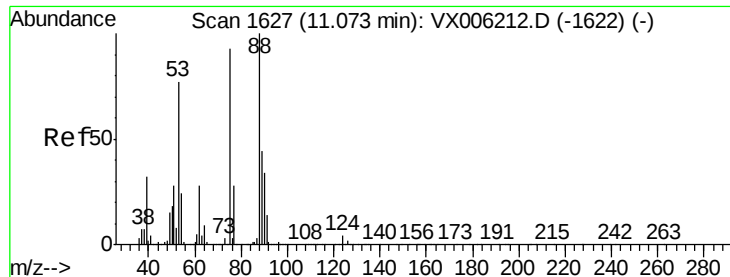
100000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.629 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampled :

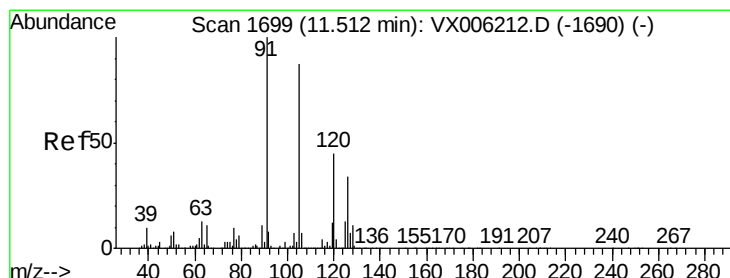
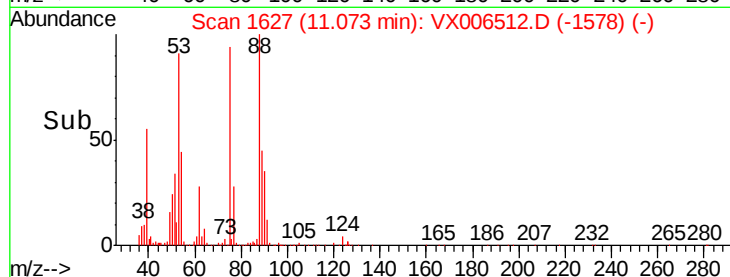
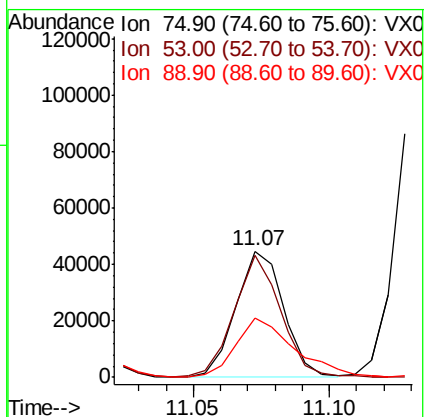
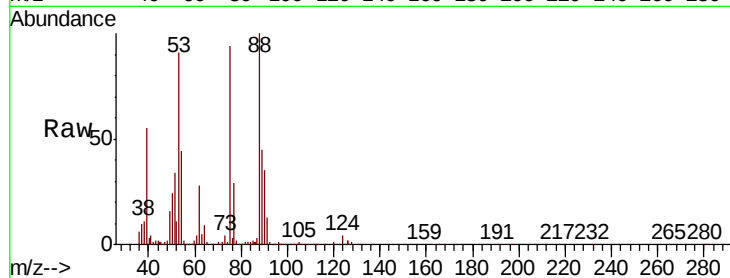
Tot Ion: 75 Resp: 53915

Ion Ratio Lower Upper

75 100

53 94.7 64.4 96.6

89 59.0 44.2 66.4



#82

4-Chlorotoluene

Concen: 21.825 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006512.D

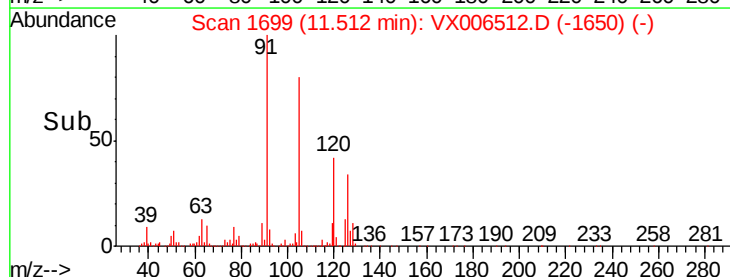
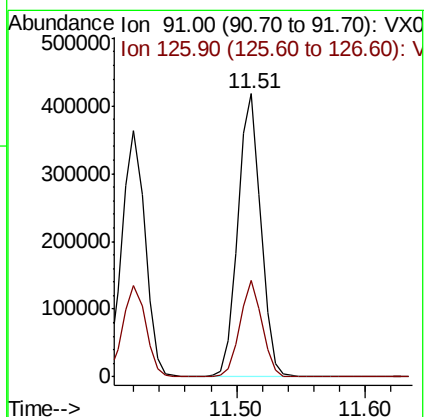
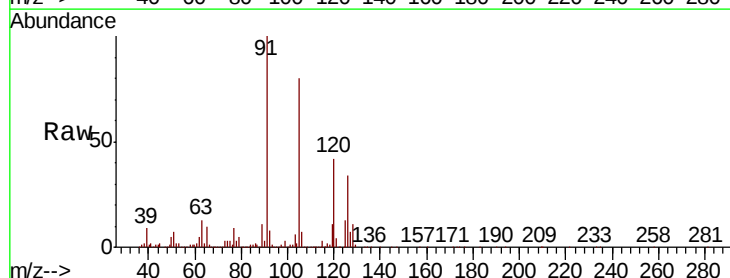
Acq: 14 Dec 2018 12:32

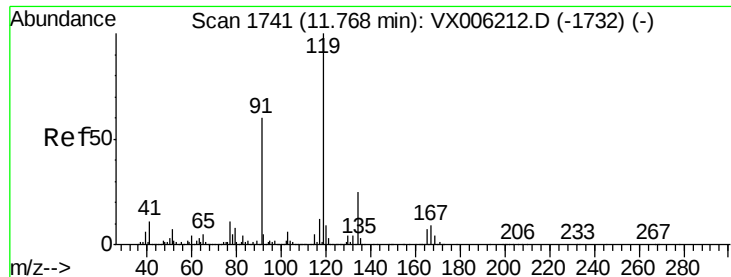
Tgt Ion: 91 Resp: 518783

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.4





#83

tert-Butylbenzene

Concen: 21.242 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

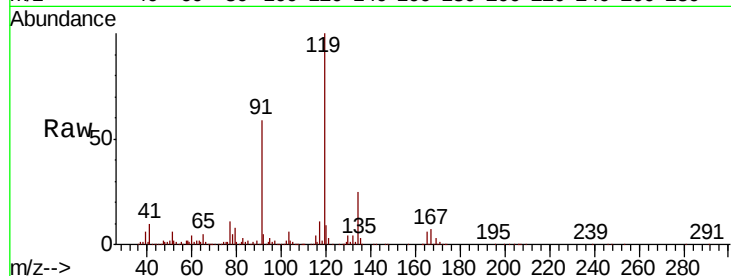
Tot Ion:119 Resp: 583534

Ion Ratio Lower Upper

119 100

91 54.5 26.4 79.2

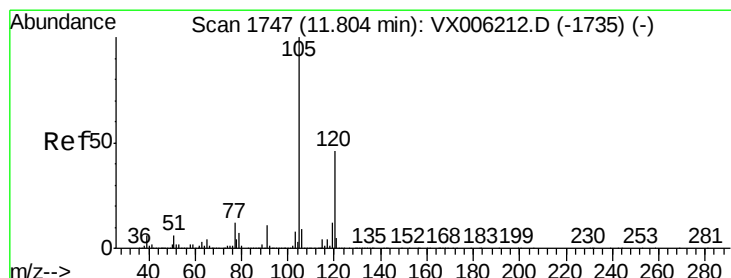
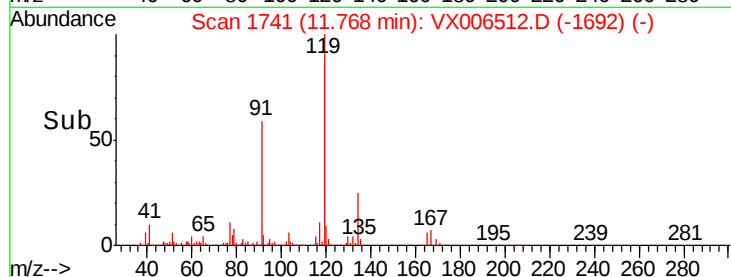
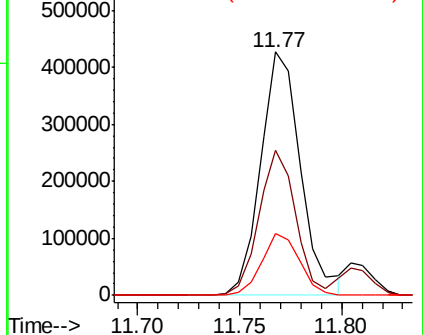
134 24.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.833 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006512.D

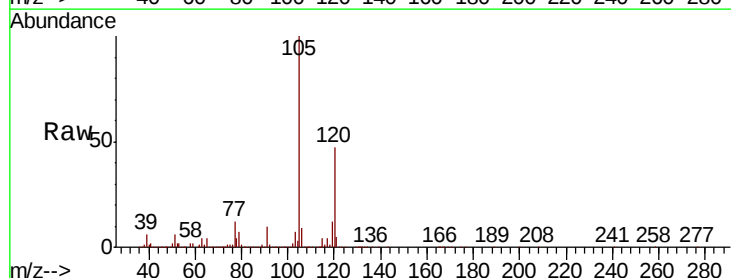
Acq: 14 Dec 2018 12:32

Tgt Ion:105 Resp: 580456

Ion Ratio Lower Upper

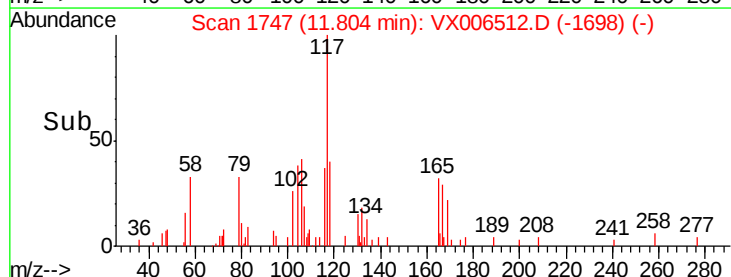
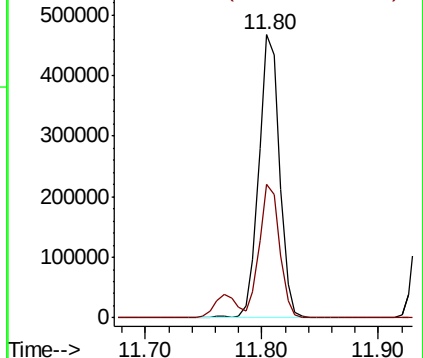
105 100

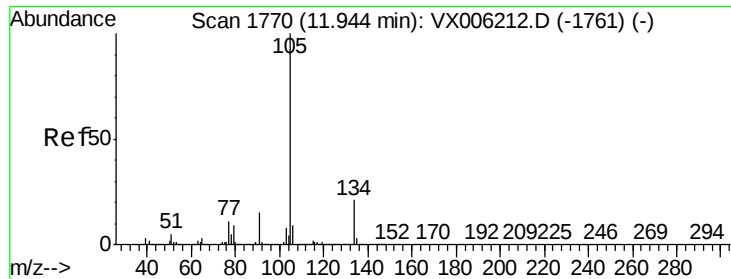
120 46.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.020 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

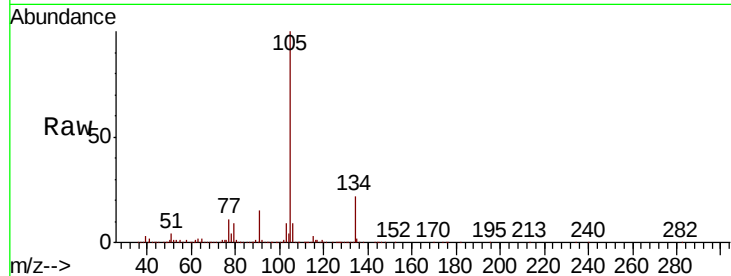
ClientSampleId :

Tot Ion:105 Resp: 688160

Ion Ratio Lower Upper

105 100

134 21.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

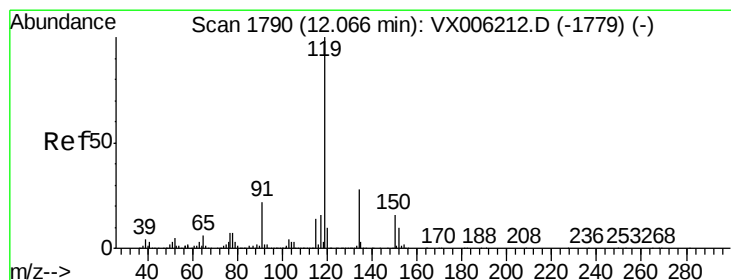
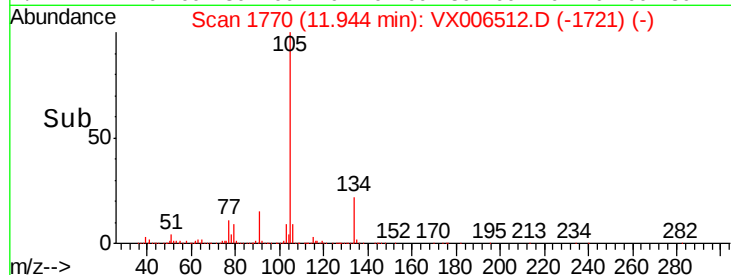
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 22.124 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

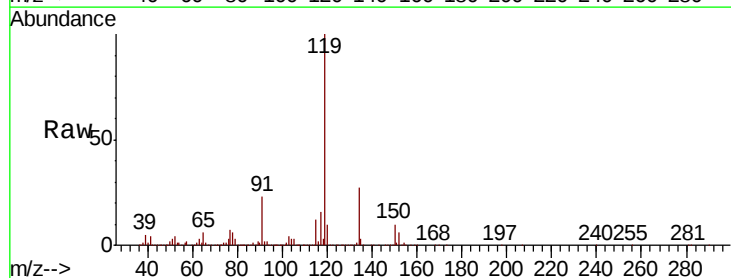
Tgt Ion:119 Resp: 622615

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

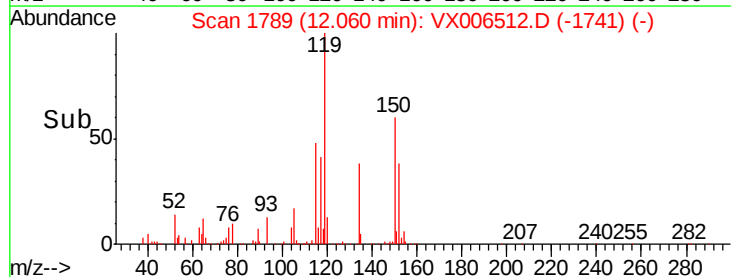
600000

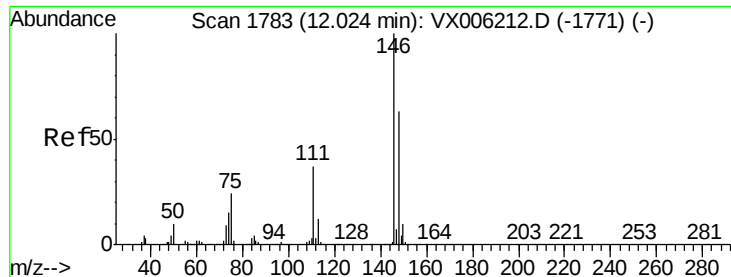
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 21.483 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

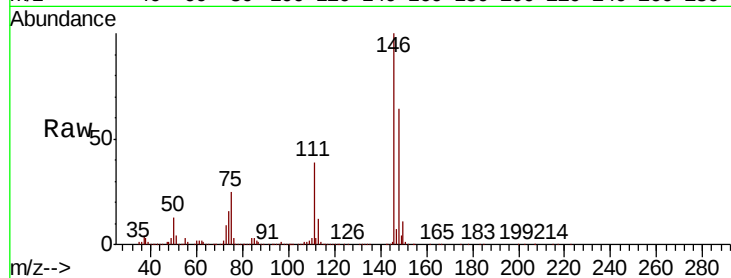
Tot Ion:146 Resp: 328272

Ion Ratio Lower Upper

146 100

111 37.9 18.4 55.2

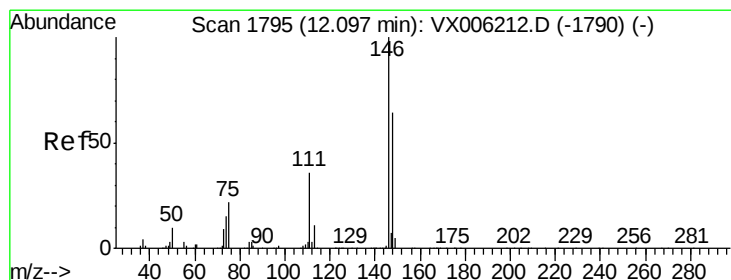
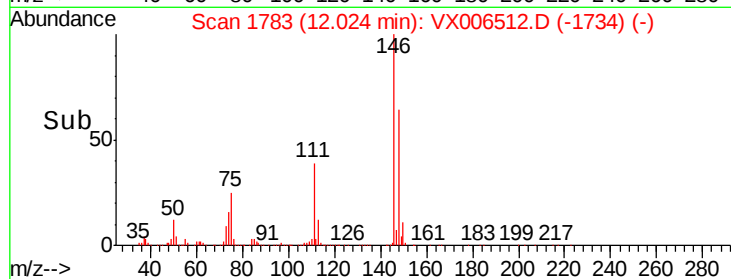
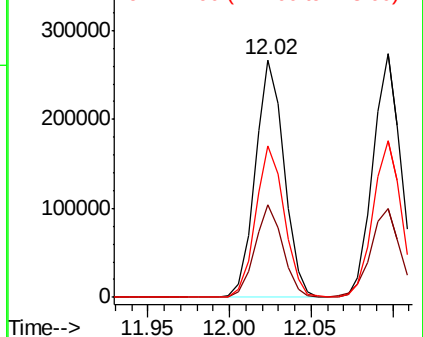
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.151 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

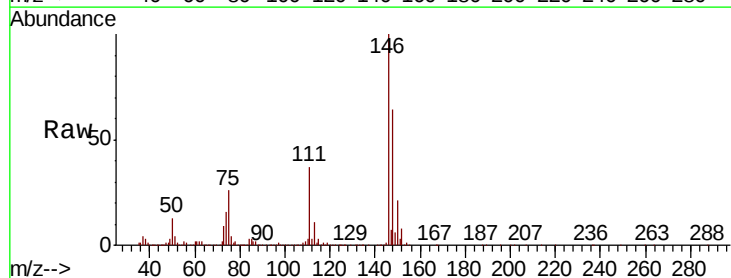
Tgt Ion:146 Resp: 328039

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.8

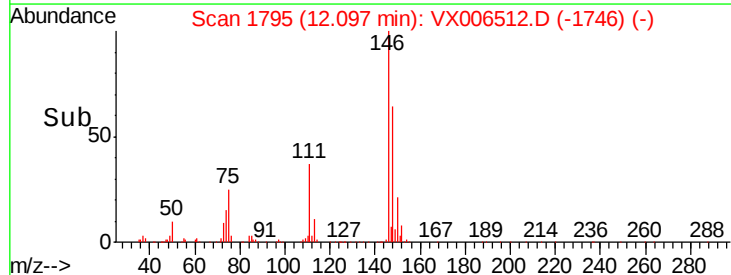
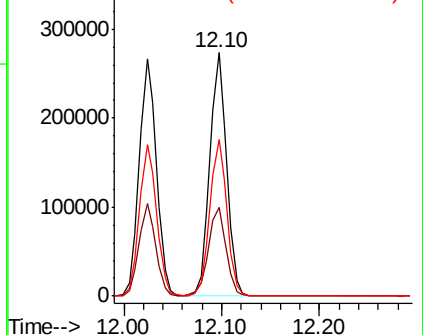
148 64.9 31.9 95.9

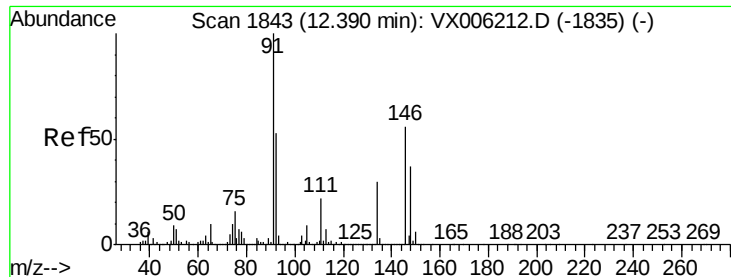


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.433 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

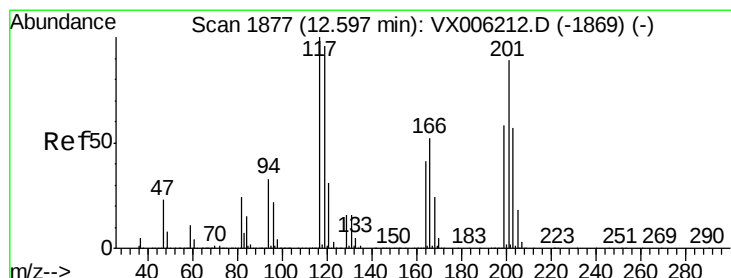
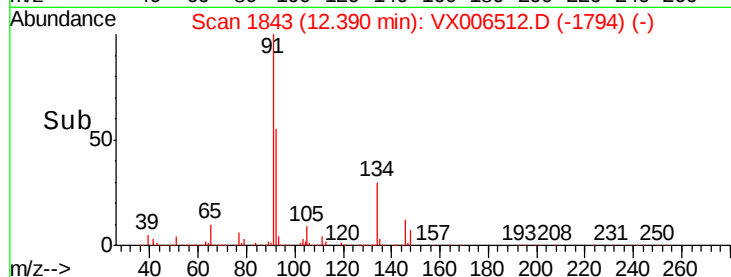
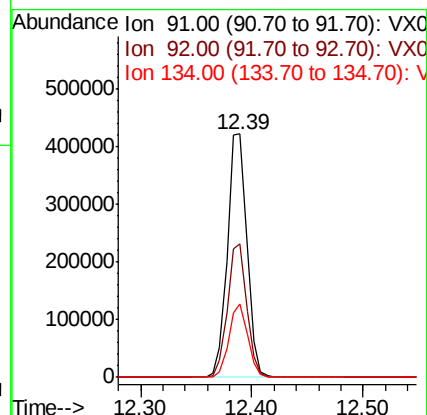
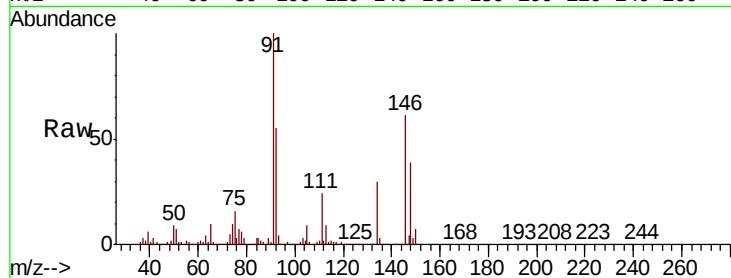
Tot Ion: 91 Resp: 514632

Ion Ratio Lower Upper

91 100

92 54.0 26.6 79.8

134 28.8 14.8 44.3



#90

Hexachloroethane

Concen: 16.079 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006512.D

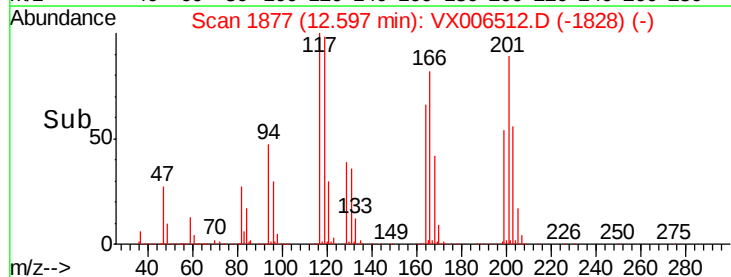
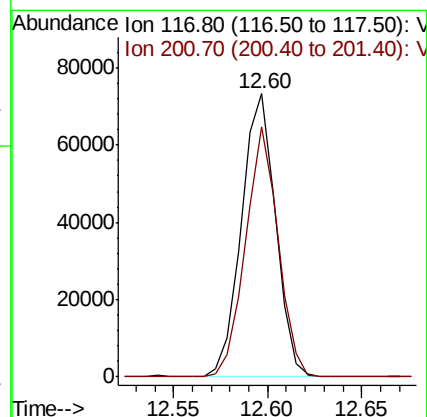
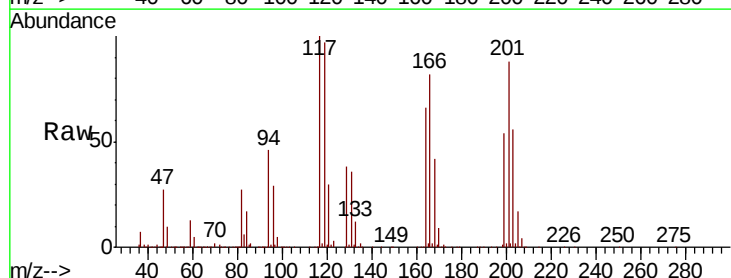
Acq: 14 Dec 2018 12:32

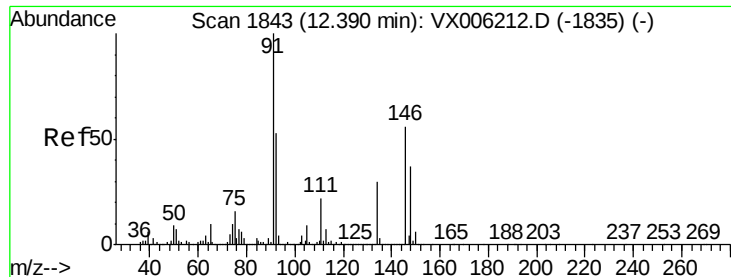
Tgt Ion: 117 Resp: 92221

Ion Ratio Lower Upper

117 100

201 84.2 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 21.304 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

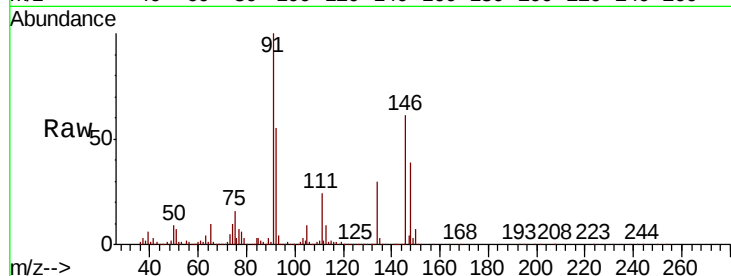
Tot Ion:146 Resp: 323087

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.3

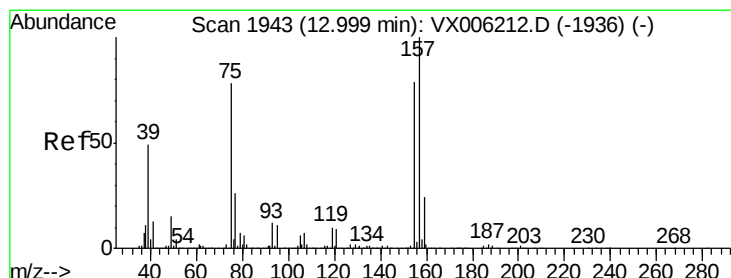
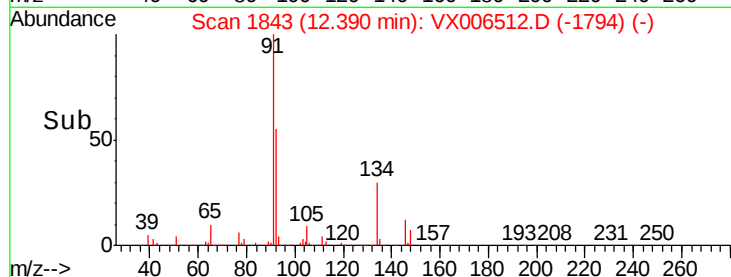
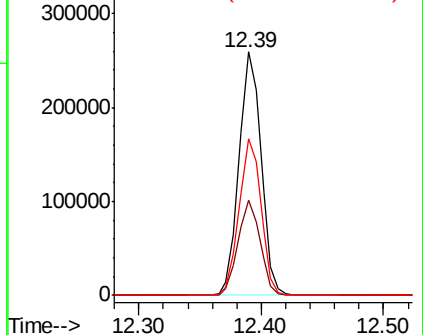
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.835 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

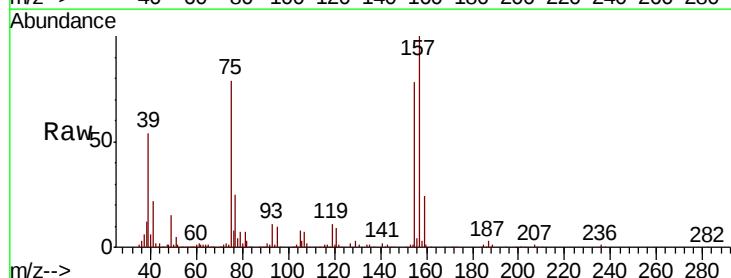
Tgt Ion: 75 Resp: 40185

Ion Ratio Lower Upper

75 100

155 102.4 53.4 160.3

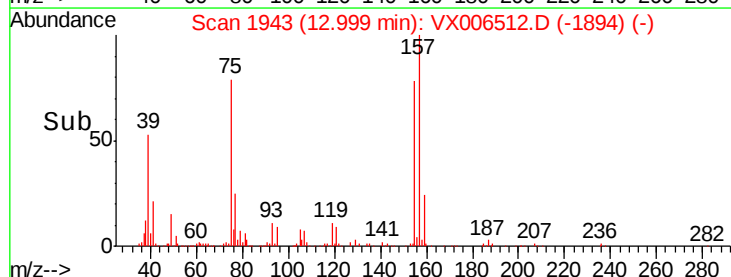
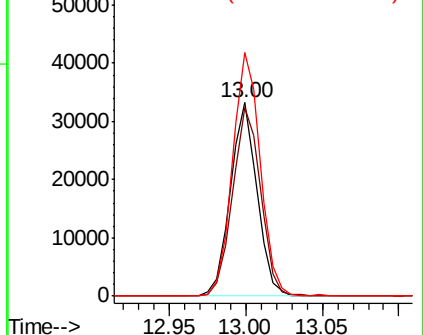
157 130.6 68.0 203.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

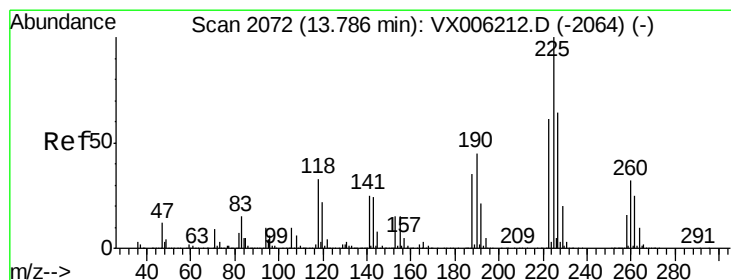
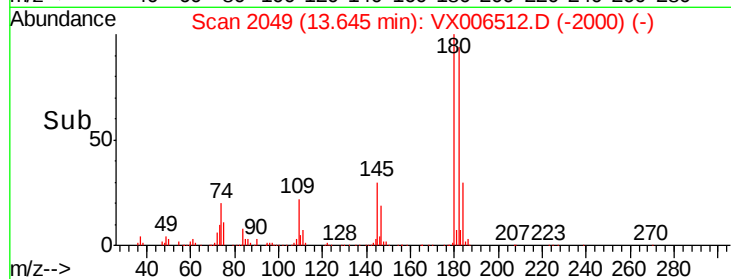
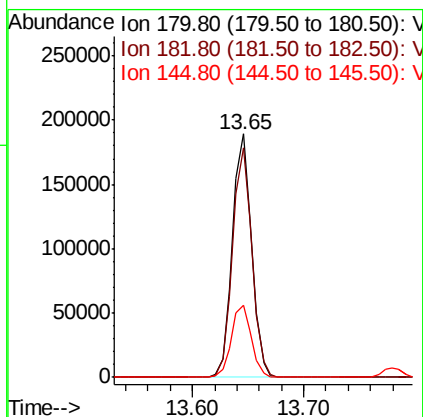
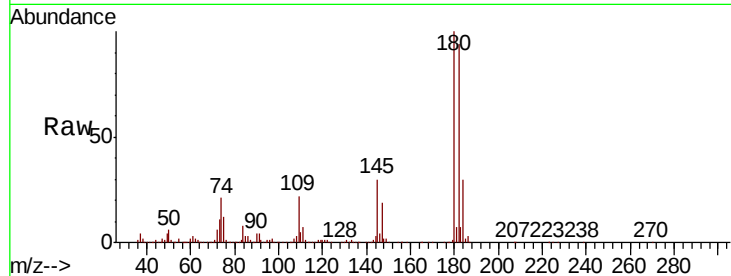




#93
 1,2,4-Trichlorobenzene
 Concen: 20.425 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

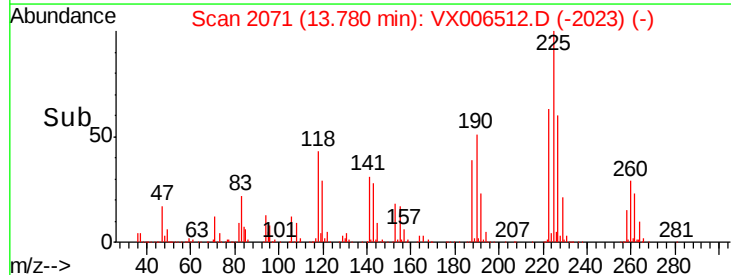
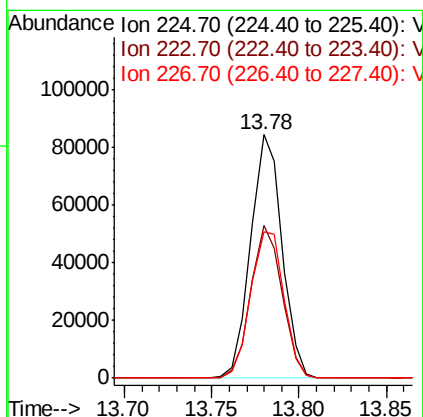
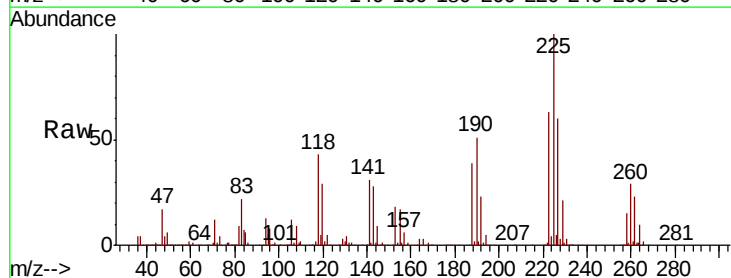
Instrument :
 MSVOA_X
 ClientSampleId :

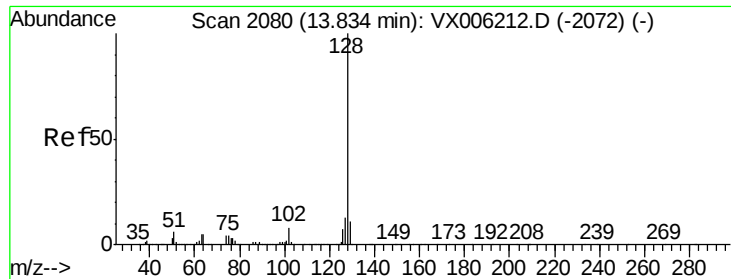
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	30.6	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 21.507 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006512.D
 Acq: 14 Dec 2018 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	63.8	31.9	95.5





#95

Naphthalene

Concen: 20.464 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

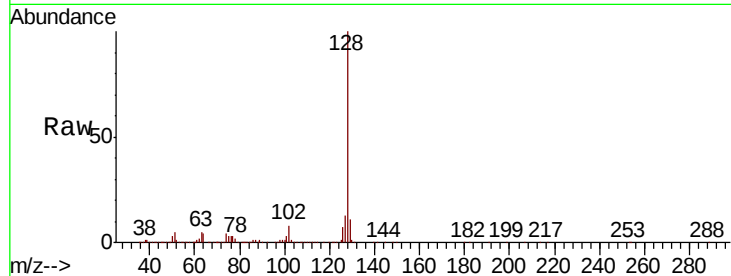
Tot Ion:128 Resp: 704303

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

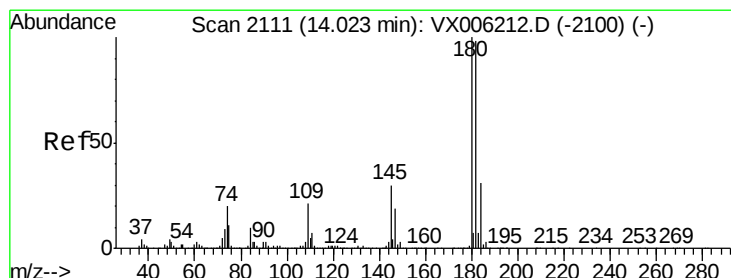
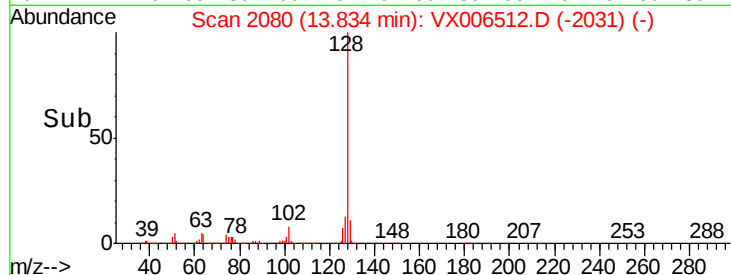
600000 13.83

400000

200000

0

Time--> 13.80 13.90



#96

1,2,3-Trichlorobenzene

Concen: 20.797 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006512.D

Acq: 14 Dec 2018 12:32

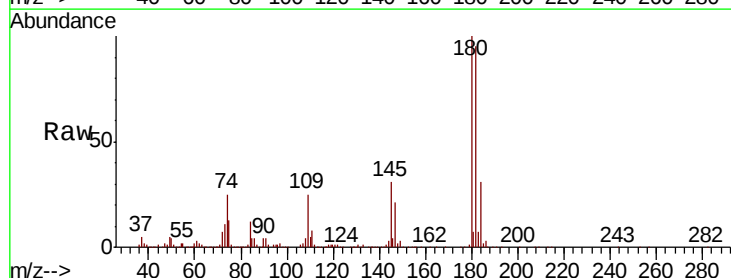
Tgt Ion:180 Resp: 227914

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.2

145 32.1 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

250000 14.02

200000

150000

100000

50000

0

Time--> 13.95 14.05 14.10

