

Data File : VX011908.D
Acq On : 30 Aug 2019 14:34
Operator : SY/SP
Sample : MDL05
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Quant Time: Aug 31 12:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 11:44:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	398400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	528349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276226	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	167368	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
35) Dibromofluoromethane	5.48	113	158120	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
50) Toluene-d8	8.71	98	589419	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.14	95	234854	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	6346	2.639 ug/l	94
3) Chloromethane	1.31	50	5751	2.063 ug/l	98
4) Vinyl Chloride	1.39	62	5477	2.058 ug/l	99
5) Bromomethane	1.63	94	5191	2.819 ug/l	94
6) Chloroethane	1.72	64	3858	2.329 ug/l	91
7) Trichlorofluoromethane	1.92	101	10251	2.218 ug/l	98
8) Diethyl Ether	2.17	74	3539	2.228 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6627	2.200 ug/l	99
10) Methyl Iodide	2.50	142	4261	1.519 ug/l #	94
11) Tert butyl alcohol	3.03	59	4435	12.077 ug/l	97
12) 1,1-Dichloroethene	2.36	96	6205	2.218 ug/l	92
13) Acrolein	2.28	56	1884	10.308 ug/l #	53
14) Allyl chloride	2.72	41	9994	1.904 ug/l	95
15) Acrylonitrile	3.13	53	8246	9.450 ug/l	98
16) Acetone	2.43	43	10530	12.822 ug/l	98
17) Carbon Disulfide	2.56	76	16254	2.025 ug/l	99
18) Methyl Acetate	2.76	43	4432	1.949 ug/l #	79
19) Methyl tert-butyl Ether	3.18	73	16629	1.834 ug/l	94
20) Methylene Chloride	2.84	84	15117	3.709 ug/l #	91
21) trans-1,2-Dichloroethene	3.16	96	7051	2.139 ug/l	98
22) Diisopropyl ether	3.84	45	20417	1.905 ug/l #	79
23) Vinyl Acetate	3.80	43	60327	8.757 ug/l	98
24) 1,1-Dichloroethane	3.69	63	11589	1.961 ug/l	98
25) 2-Butanone	4.67	43	11388	9.521 ug/l	97
26) 2,2-Dichloropropane	4.57	77	11572	2.335 ug/l	89
27) cis-1,2-Dichloroethene	4.58	96	8630	2.223 ug/l	91
28) Bromochloromethane	5.01	49	5578	2.104 ug/l	99
29) Tetrahydrofuran	5.12	42	6781	9.083 ug/l	97
30) Chloroform	5.20	83	14437	2.285 ug/l	98
31) Cyclohexane	5.56	56	10217	2.144 ug/l	90
32) 1,1,1-Trichloroethane	5.48	97	12219	2.177 ug/l	99
36) 1,1-Dichloropropene	5.79	75	8829	2.109 ug/l	94
37) Ethyl Acetate	4.83	43	4945	1.996 ug/l #	87
38) Carbon Tetrachloride	5.77	117	11039	2.274 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	11362	2.279	ug/l	97
40) Benzene	6.13	78	24831	1.987	ug/l	98
41) Methacrylonitrile	5.03	41	2628	1.801	ug/l #	81
42) 1,2-Dichloroethane	6.19	62	9169	2.158	ug/l	90
43) Isopropyl Acetate	6.44	43	10052	2.001	ug/l	95
44) Trichloroethene	7.20	130	8103	2.096	ug/l	91
45) 1,2-Dichloropropane	7.50	63	6372	1.950	ug/l #	88
46) Dibromomethane	7.65	93	4116	2.122	ug/l	89
47) Bromodichloromethane	7.89	83	10091	2.098	ug/l	97
48) Methyl methacrylate	7.76	41	4875	1.994	ug/l	94
49) 1,4-Dioxane	7.74	88	1410	41.950	ug/l #	75
51) 4-Methyl-2-Pentanone	8.64	43	24265	9.508	ug/l	98
52) Toluene	8.78	92	17630	2.133	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	9564	1.941	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	10739	1.942	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	5775	2.034	ug/l	95
56) Ethyl methacrylate	9.18	69	6989	1.773	ug/l	96
57) 1,3-Dichloropropane	9.37	76	9182	1.948	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	21173	11.280	ug/l	98
59) 2-Hexanone	9.49	43	17086	9.425	ug/l	96
60) Dibromochloromethane	9.57	129	7393	1.939	ug/l	99
61) 1,2-Dibromoethane	9.67	107	5630	2.000	ug/l	99
64) Tetrachloroethene	9.33	164	8597	2.217	ug/l	89
65) Chlorobenzene	10.14	112	20011	2.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	7711	2.041	ug/l	97
67) Ethyl Benzene	10.25	91	34374	2.163	ug/l	98
68) m/p-Xylenes	10.36	106	26236	4.275	ug/l	97
69) o-Xylene	10.70	106	12735	2.129	ug/l	93
70) Styrene	10.71	104	21125	2.004	ug/l	97
71) Bromoform	10.85	173	5163	1.932	ug/l #	100
73) Isopropylbenzene	11.01	105	34156	2.152	ug/l	98
74) N-amyl acetate	10.89	43	9607	2.040	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	6860	2.112	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	5682m	2.091	ug/l	
77) Bromobenzene	11.25	156	9812	2.132	ug/l	99
78) n-propylbenzene	11.35	91	39430	2.191	ug/l	99
79) 2-Chlorotoluene	11.42	91	23193	2.141	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	28928	2.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2275m	2.103	ug/l	
82) 4-Chlorotoluene	11.51	91	27828	2.129	ug/l	100
83) tert-Butylbenzene	11.76	119	30516	2.195	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	30193	2.151	ug/l	99
85) sec-Butylbenzene	11.94	105	35181	2.179	ug/l	99
86) p-Isopropyltoluene	12.06	119	33736	2.155	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	18471	2.159	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	19537	2.259	ug/l	85
89) n-Butylbenzene	12.39	91	30453	2.199	ug/l	100
90) Hexachloroethane	12.59	117	6389	2.109	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	17067	2.146	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1397	2.159	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	15618	2.332	ug/l	98
94) Hexachlorobutadiene	13.78	225	10031	2.243	ug/l	99
95) Naphthalene	13.83	128	26637	2.318	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	13529	2.234	ug/l	94

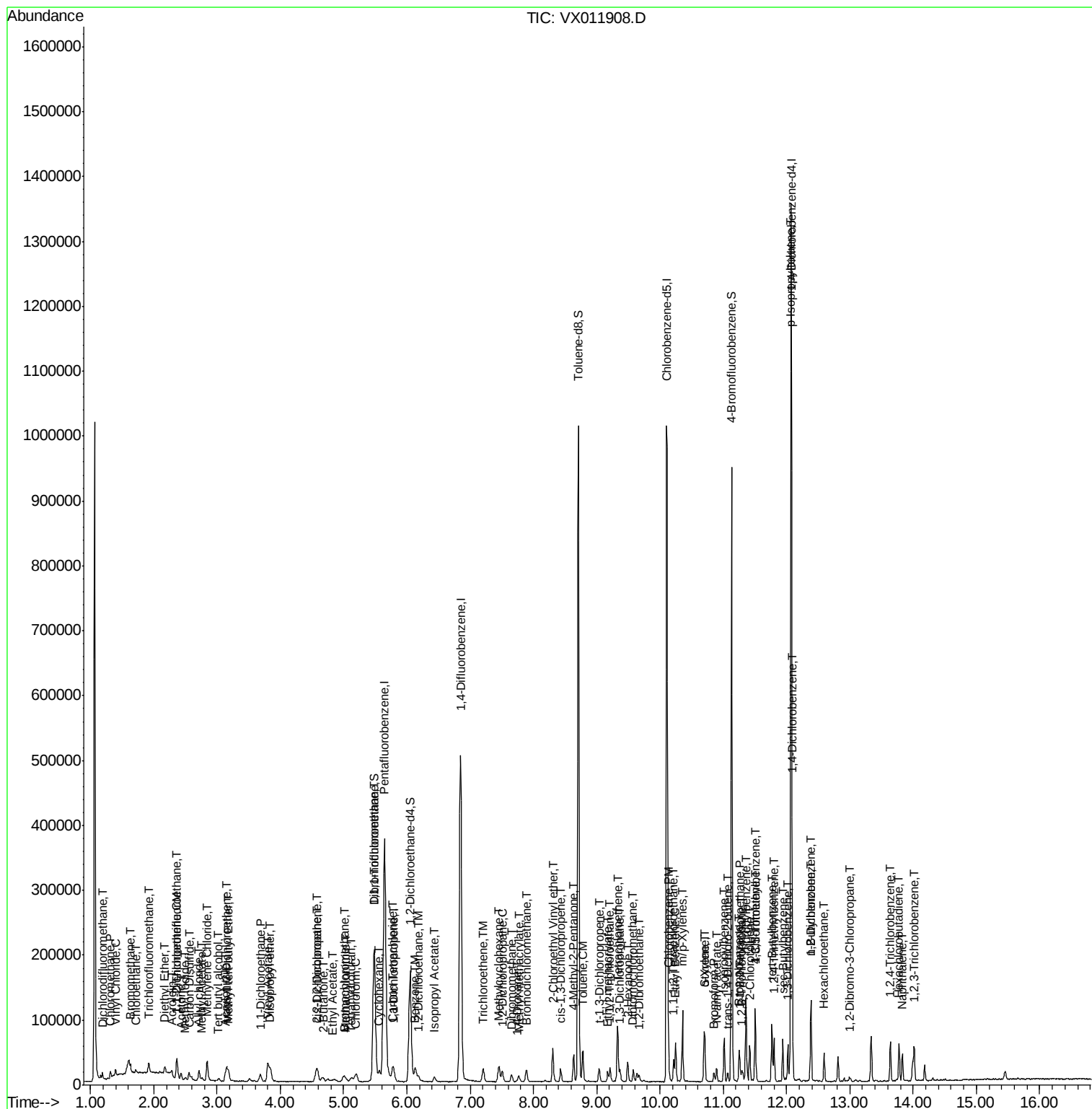
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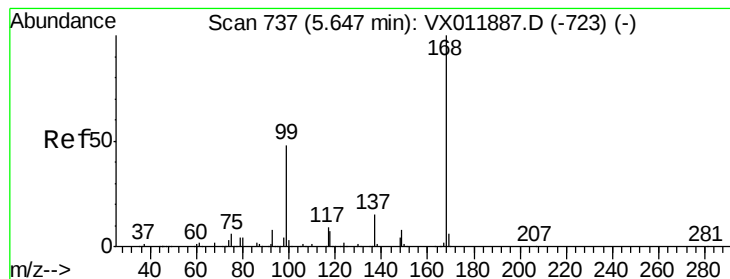
Data File : VX011908.D

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Instrument :
MSVOA_X
ClientSampleId :
MDL05

Quant Time: Aug 31 12:13:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

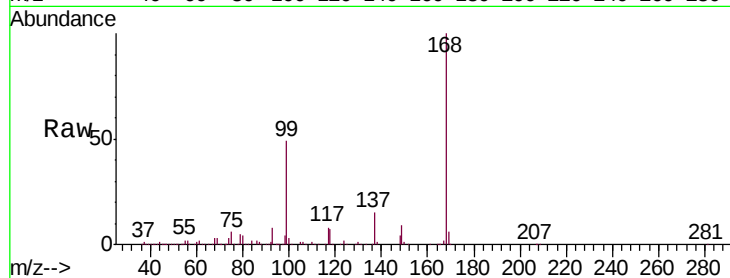
MDL05

Tgt Ion:168 Resp: 398400

Ion Ratio Lower Upper

168 100

99 48.9 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

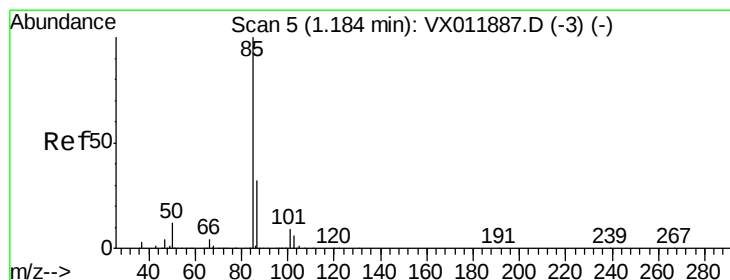
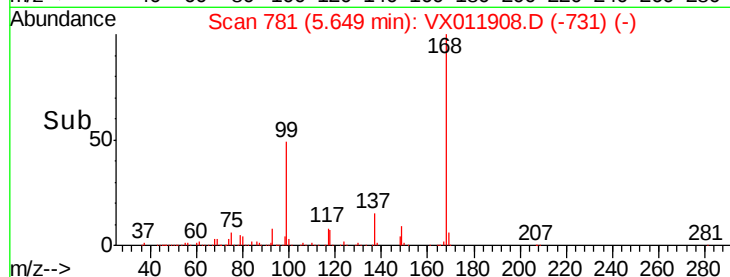
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.639 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011908.D

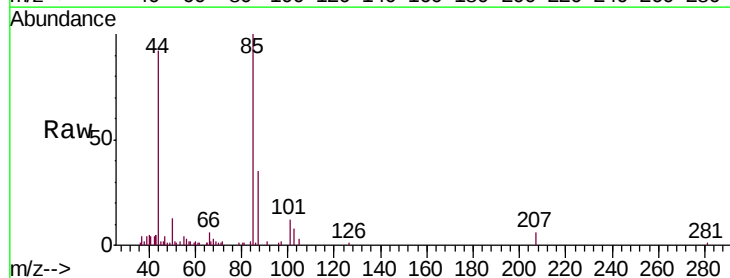
Acq: 30 Aug 2019 14:34

Tgt Ion: 85 Resp: 6346

Ion Ratio Lower Upper

85 100

87 35.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

6000

5000

4000

3000

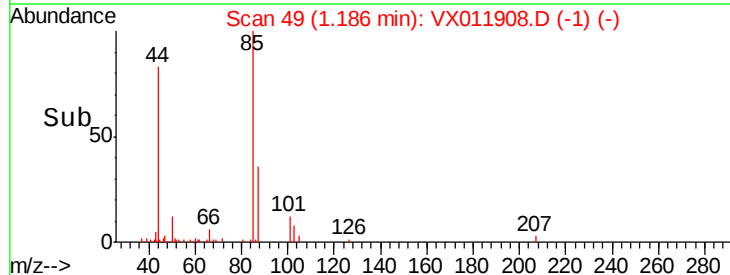
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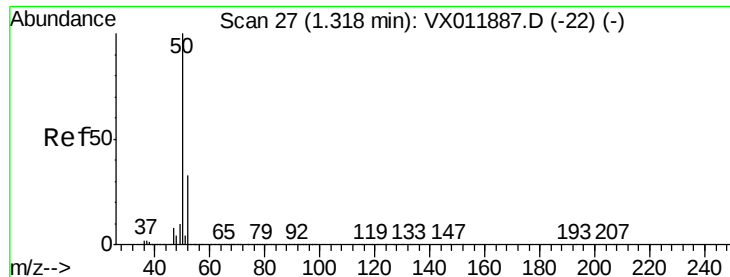
1000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 2.063 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

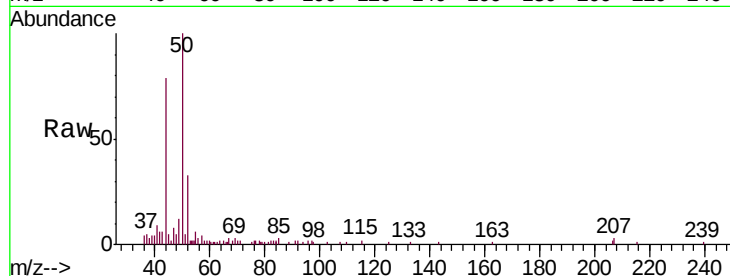
MDL05

Tgt Ion: 50 Resp: 5751

Ion Ratio Lower Upper

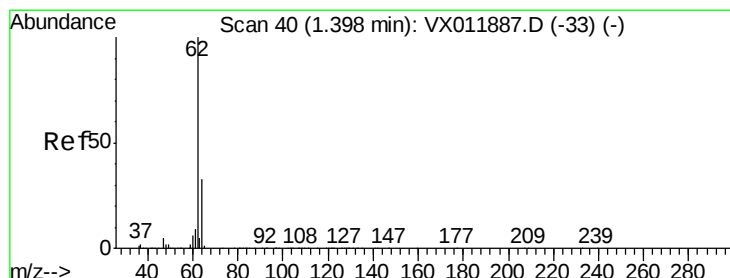
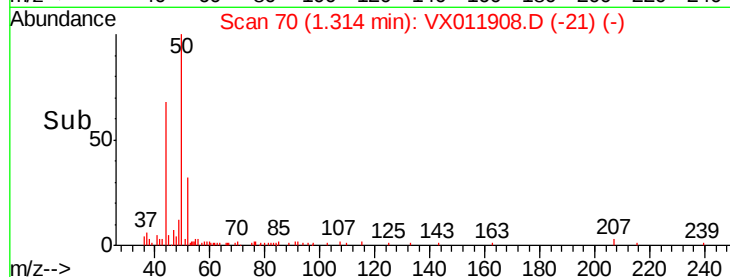
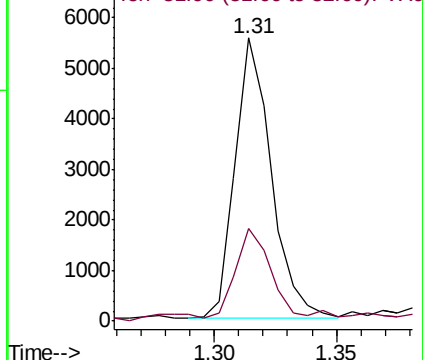
50 100

52 31.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.058 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011908.D

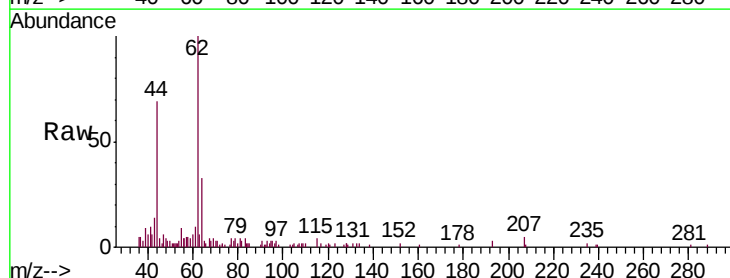
Acq: 30 Aug 2019 14:34

Tgt Ion: 62 Resp: 5477

Ion Ratio Lower Upper

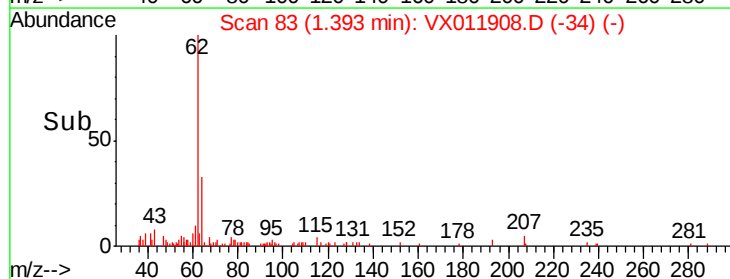
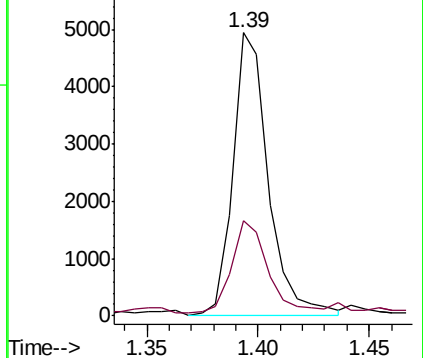
62 100

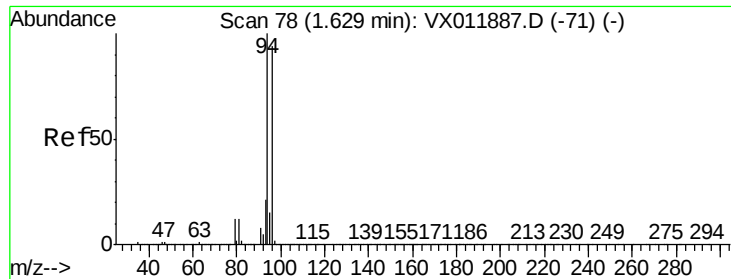
64 32.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 2.819 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

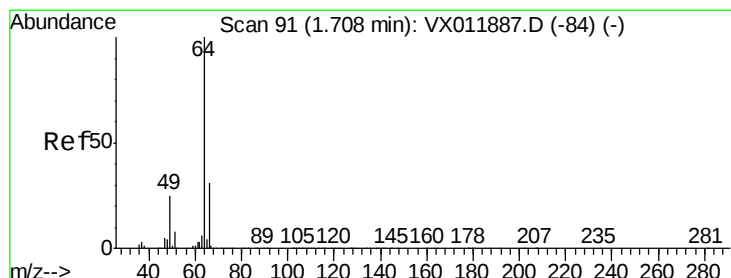
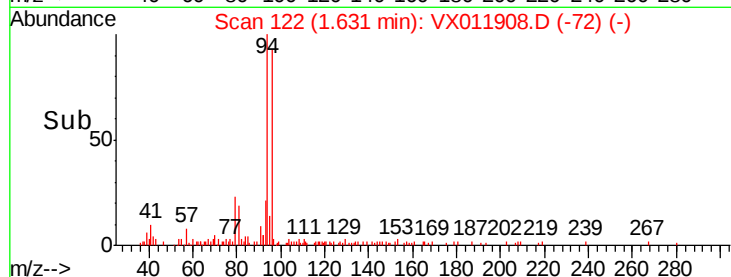
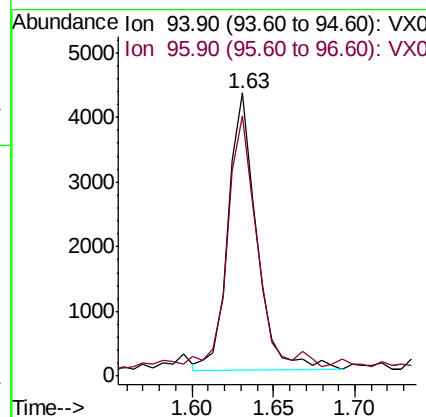
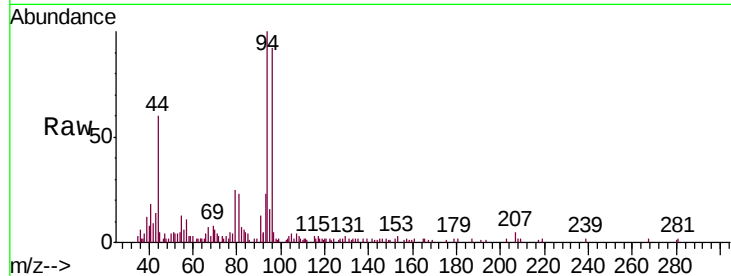
MDL05

Tgt Ion: 94 Resp: 5191

Ion Ratio Lower Upper

94 100

96 88.0 75.0 112.6



#6

Chloroethane

Concen: 2.329 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX011908.D

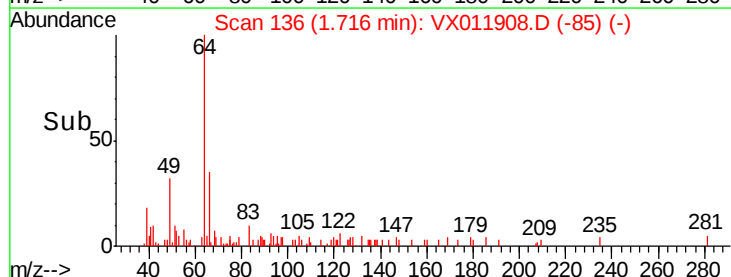
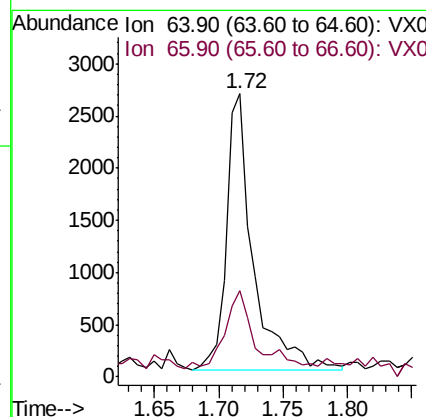
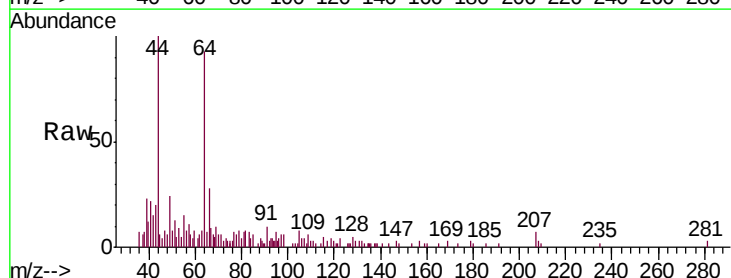
Acq: 30 Aug 2019 14:34

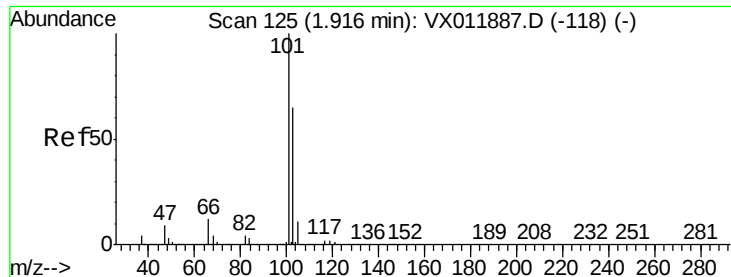
Tgt Ion: 64 Resp: 3858

Ion Ratio Lower Upper

64 100

66 26.3 25.0 37.4



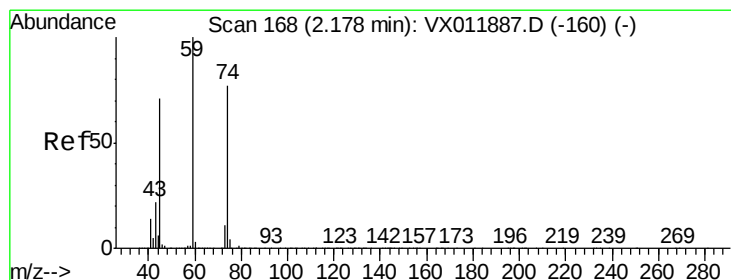
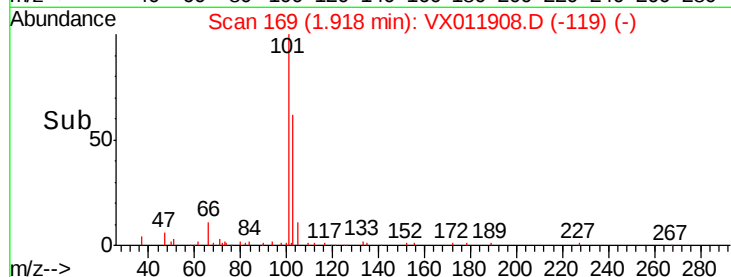
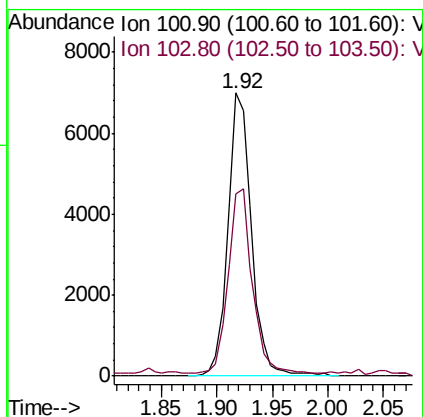
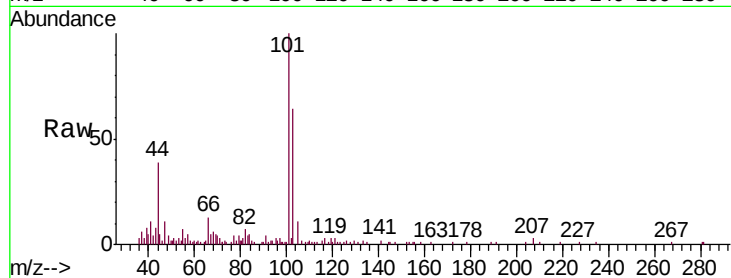


#7

Trichlorofluoromethane
Concen: 2.218 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

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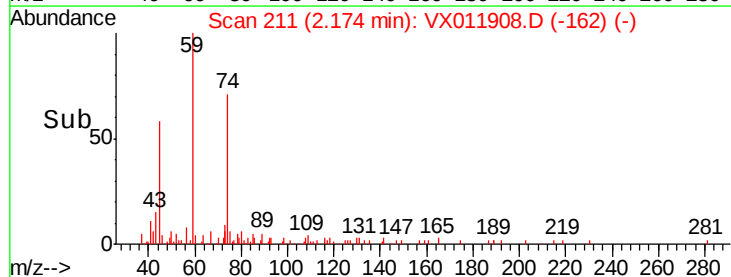
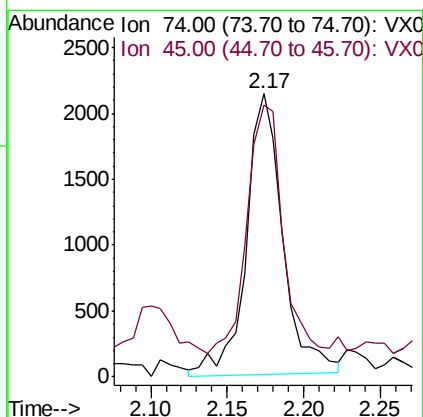
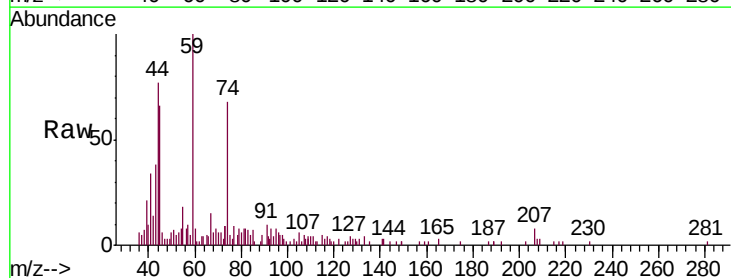
Tgt Ion: 101 Resp: 10251
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

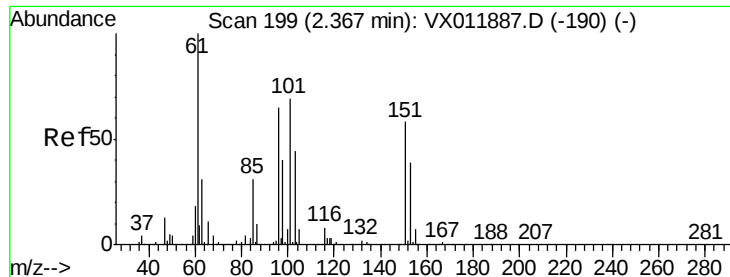


#8

Diethyl Ether
Concen: 2.228 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 74 Resp: 3539
Ion Ratio Lower Upper
74 100
45 89.2 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.200 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

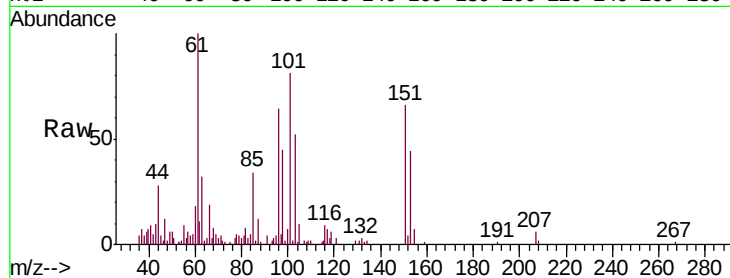
Tgt Ion:101 Resp: 6627

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

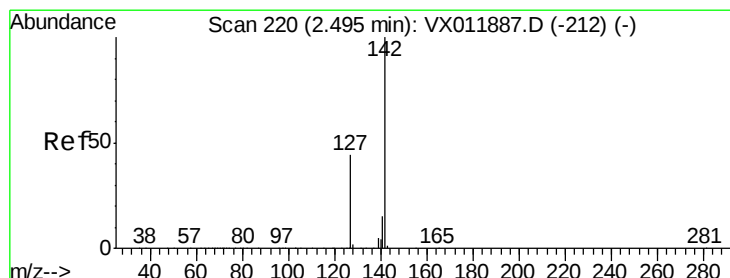
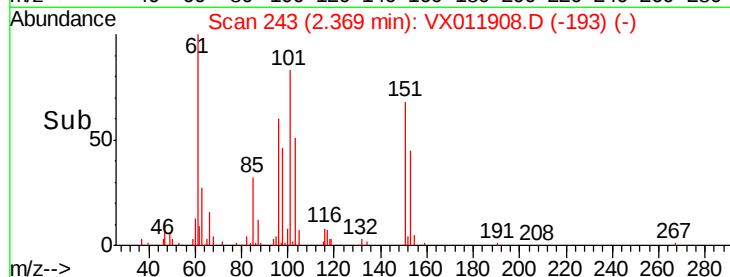
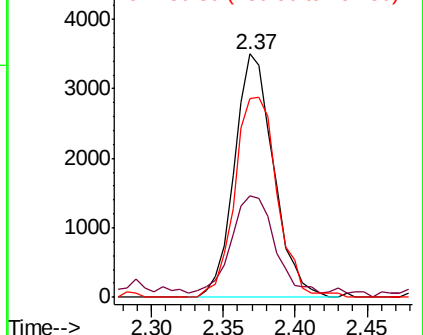
151 89.2 70.9 106.3



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: 1.519 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

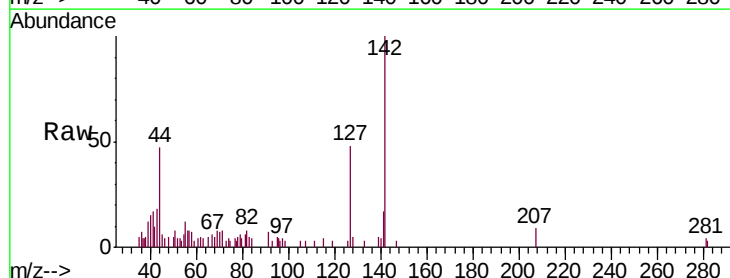
Tgt Ion:142 Resp: 4261

Ion Ratio Lower Upper

142 100

127 48.4 35.7 53.5

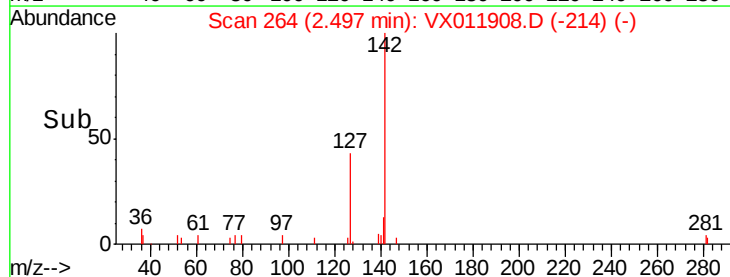
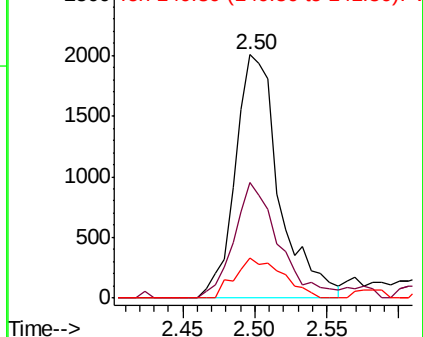
141 18.0 11.8 17.6#

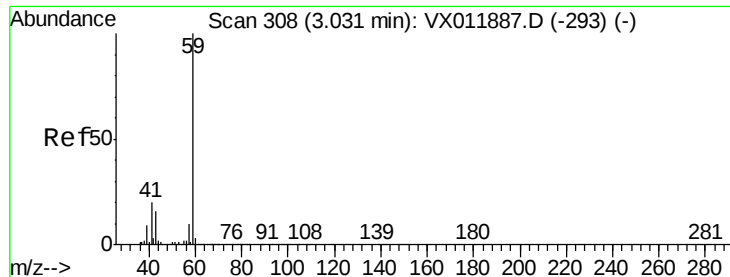


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

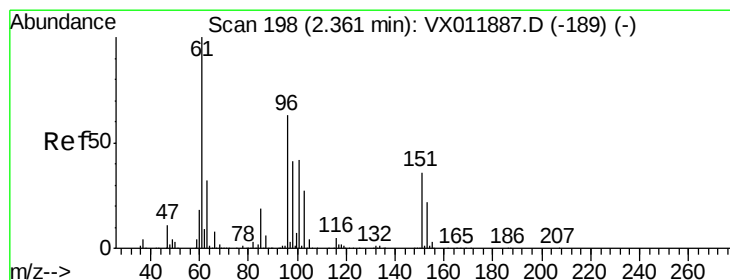
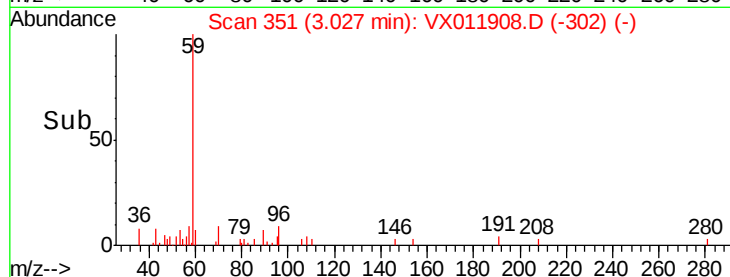
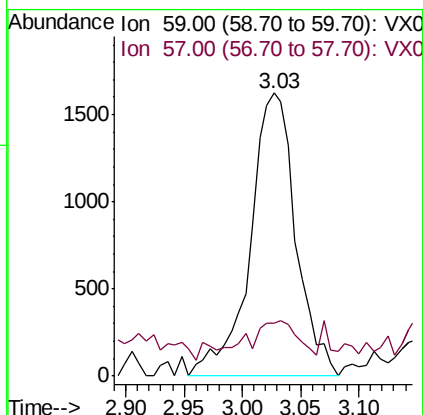
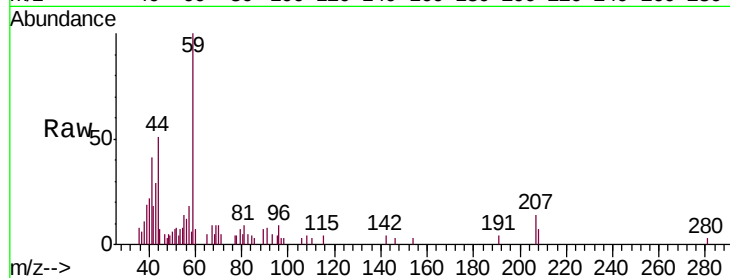




#11
Tert butyl alcohol
Concen: 12.077 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

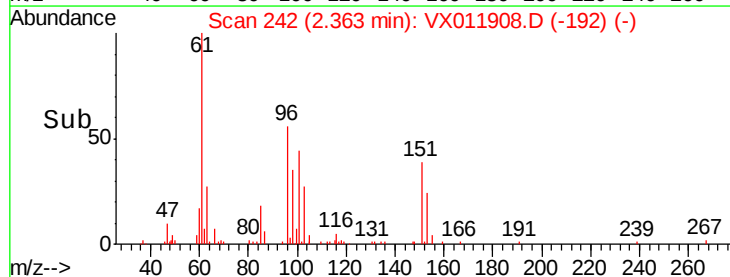
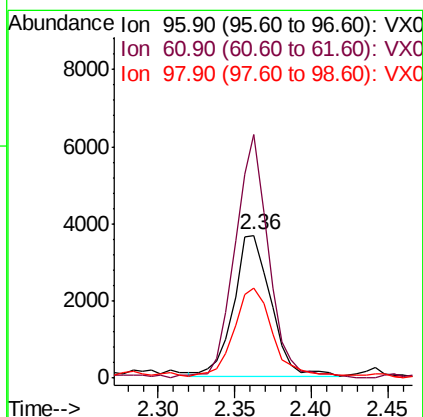
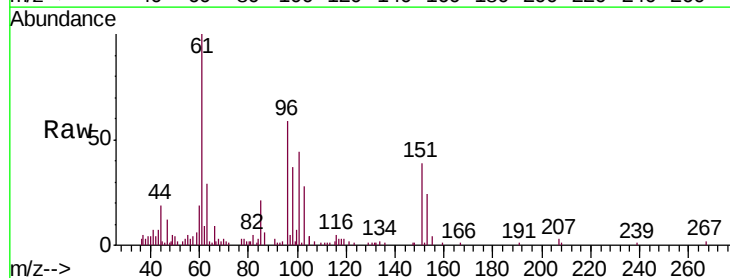
Instrument :
MSVOA_X
ClientSampleId :
MDL05

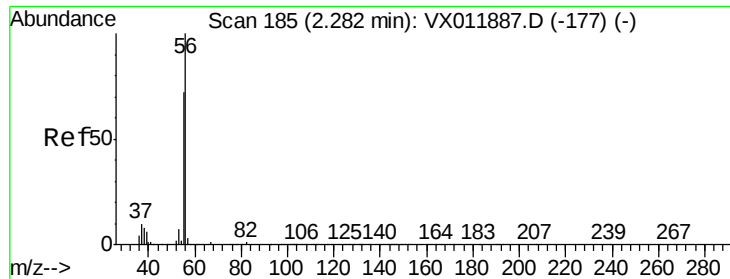
Tgt Ion: 59 Resp: 4435
Ion Ratio Lower Upper
59 100
57 11.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 2.218 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 96 Resp: 6205
Ion Ratio Lower Upper
96 100
61 171.3 126.6 190.0
98 62.6 51.6 77.4





#13

Acrolein

Concen: 10.308 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

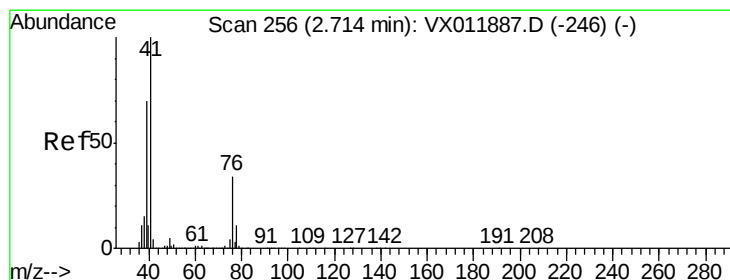
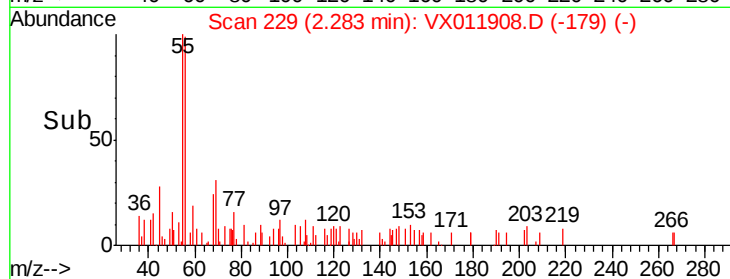
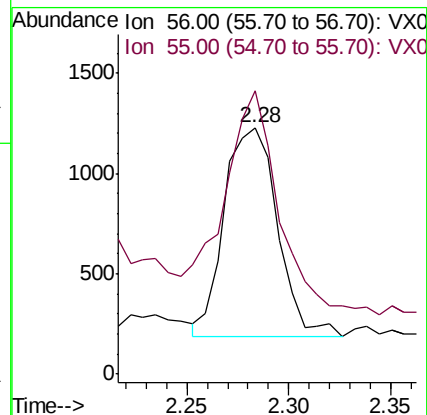
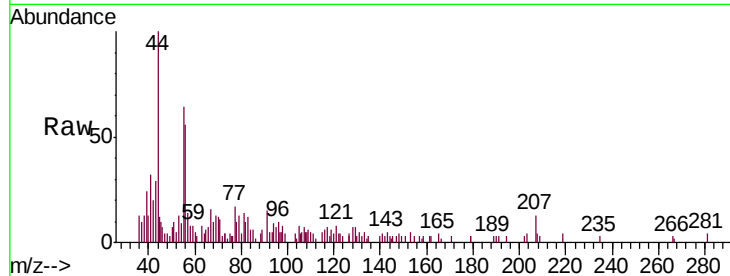
MDL05

Tgt Ion: 56 Resp: 1884

Ion Ratio Lower Upper

56 100

55 113.2 58.6 88.0#



#14

Allyl chloride

Concen: 1.904 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

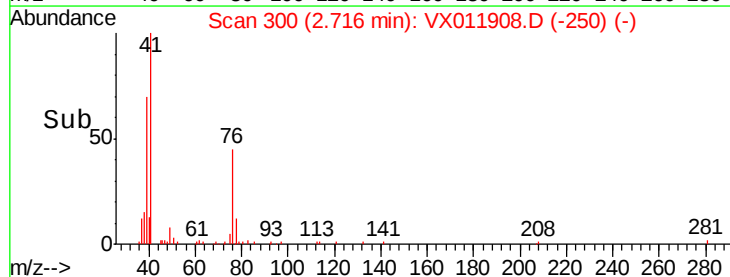
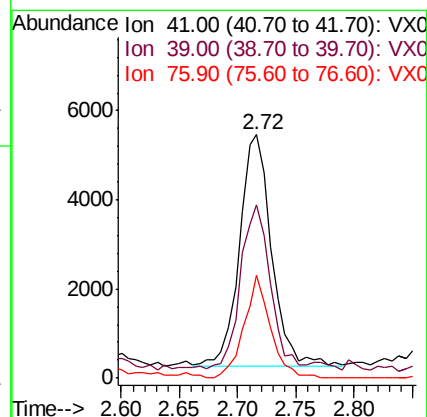
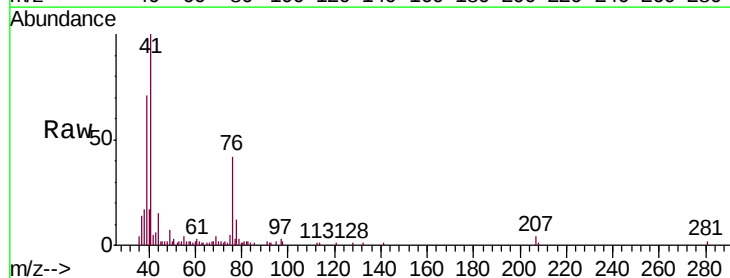
Tgt Ion: 41 Resp: 9994

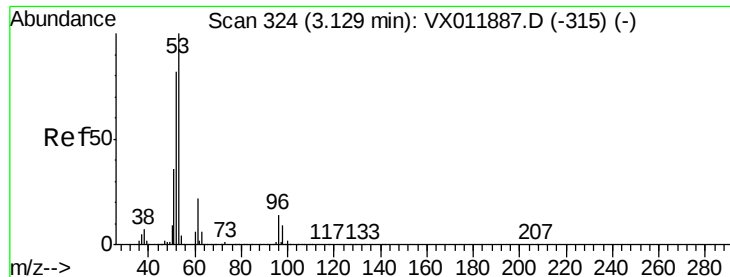
Ion Ratio Lower Upper

41 100

39 64.9 55.0 82.6

76 36.4 27.0 40.4

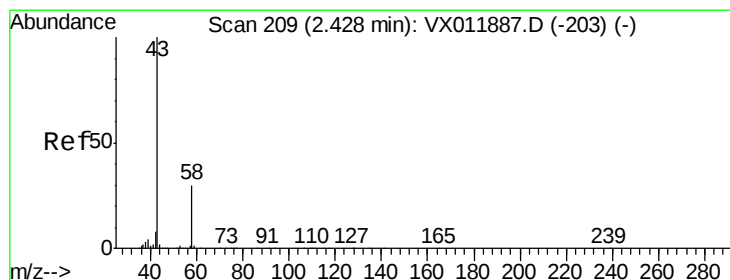
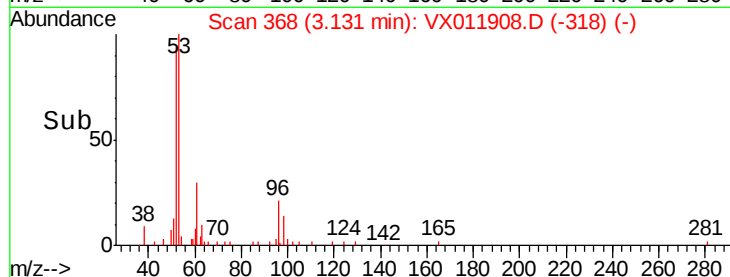
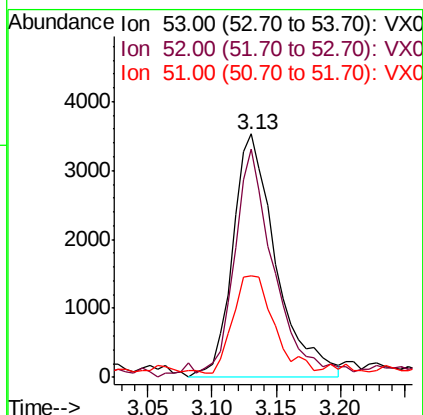
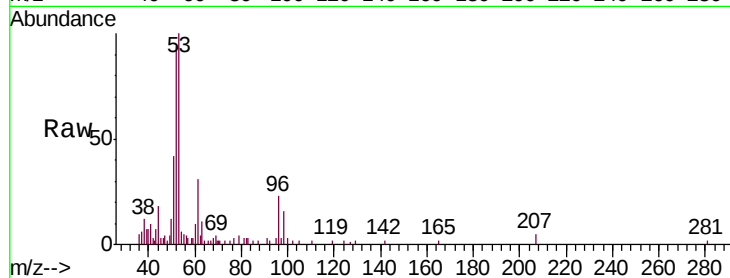




#15
Acrylonitrile
Concen: 9.450 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

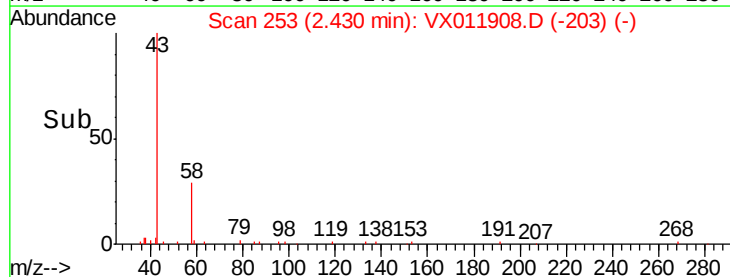
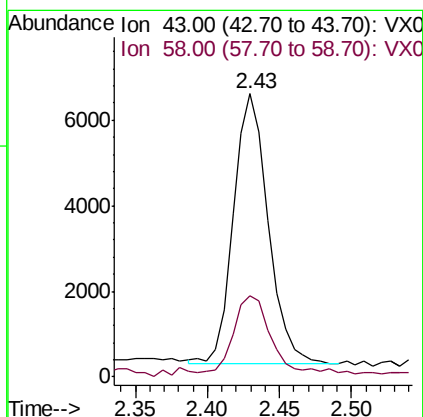
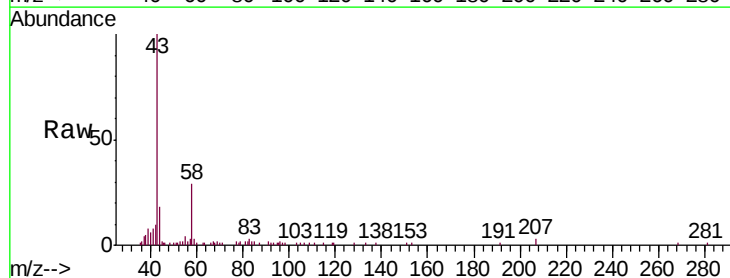
Instrument :
MSVOA_X
ClientSampleId :
MDL05

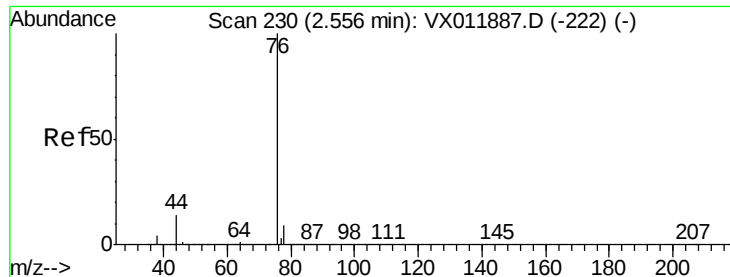
Tgt Ion: 53 Resp: 8246
Ion Ratio Lower Upper
53 100
52 80.4 65.3 97.9
51 38.1 29.4 44.2



#16
Acetone
Concen: 12.822 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 43 Resp: 10530
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8

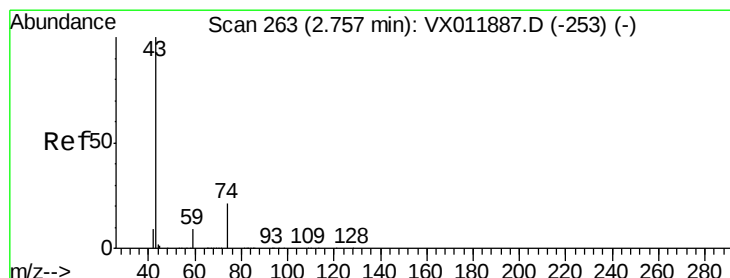
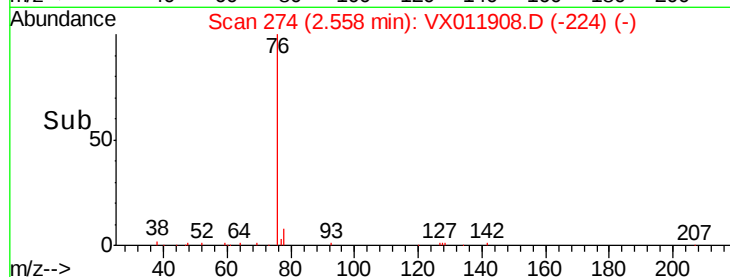
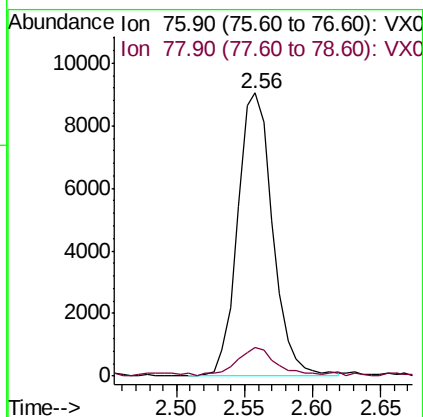
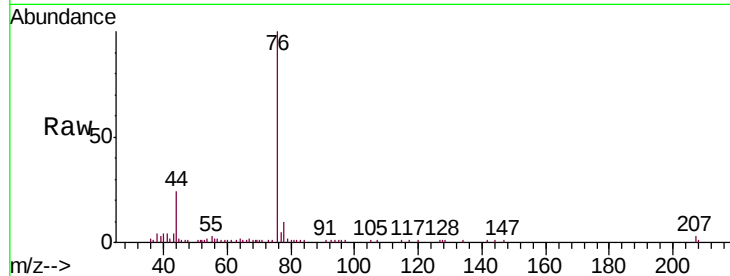




#17
Carbon Disulfide
Concen: 2.025 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

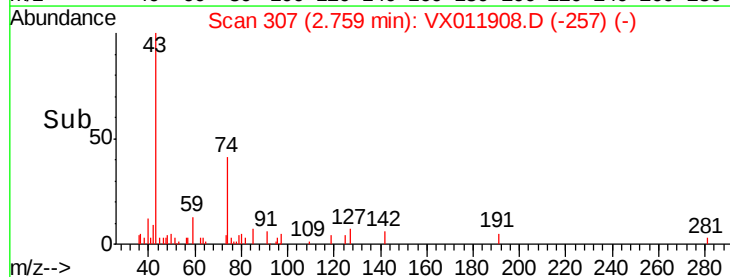
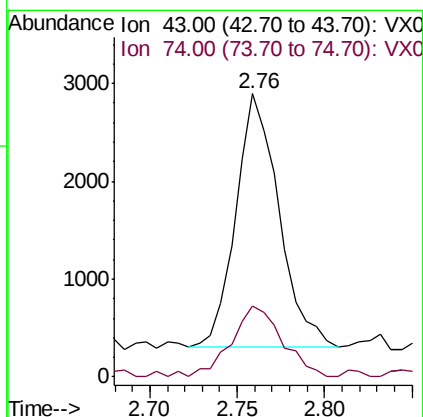
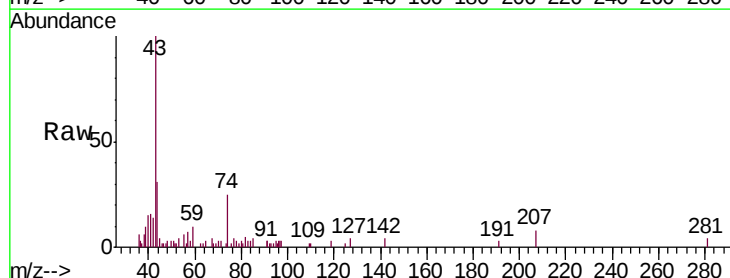
Instrument :
MSVOA_X
ClientSampled :
MDL05

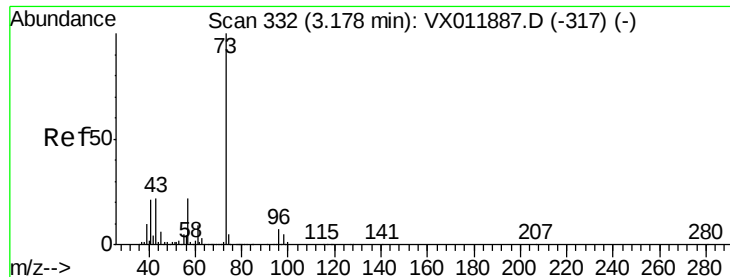
Tgt Ion: 76 Resp: 16254
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 1.949 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
74 33.2 18.4 27.6#

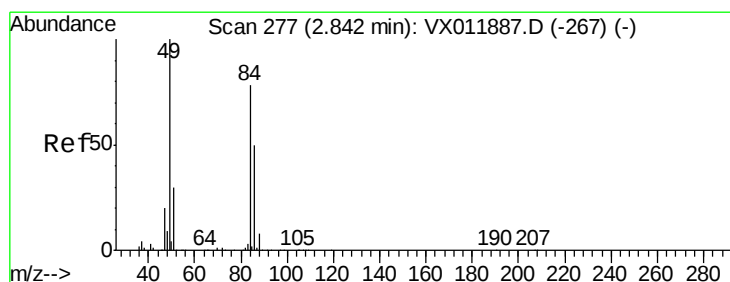
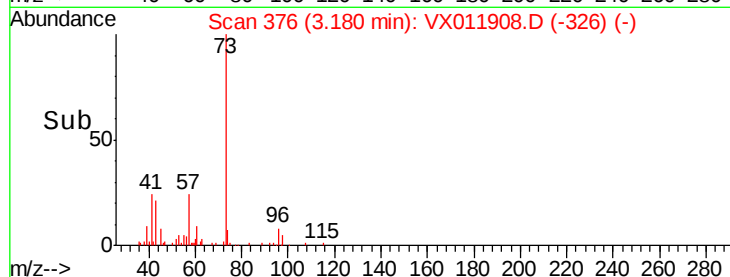
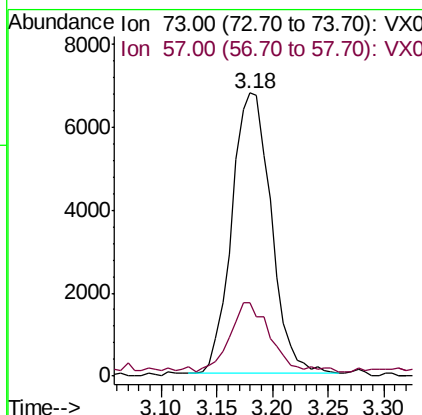
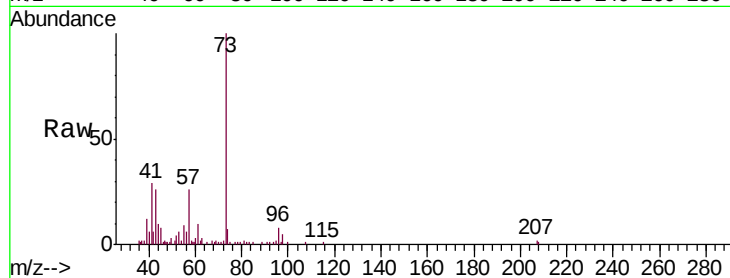




#19
Methyl tert-butyl Ether
Concen: 1.834 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

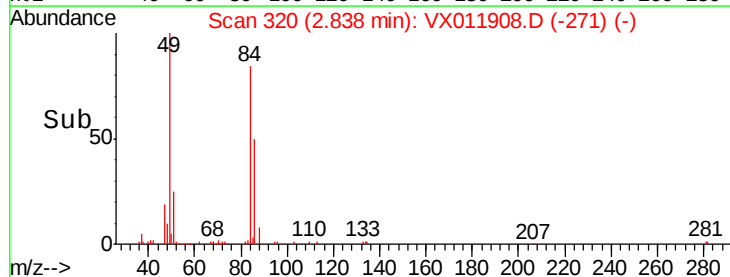
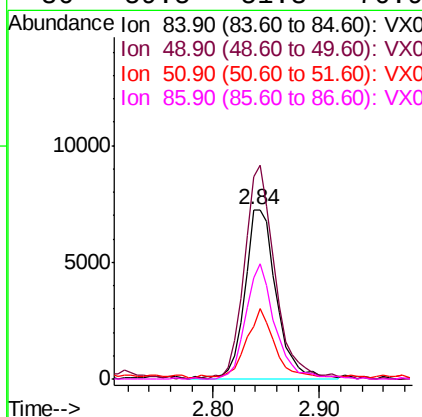
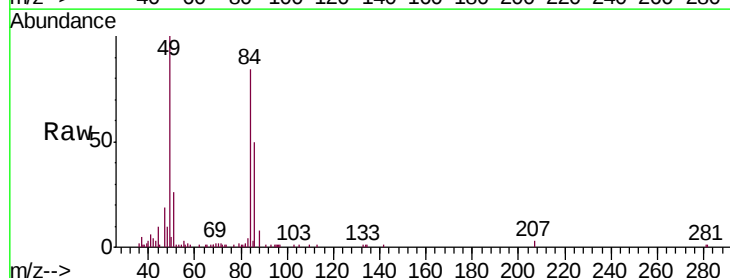
Instrument :
MSVOA_X
ClientSampleId :
MDL05

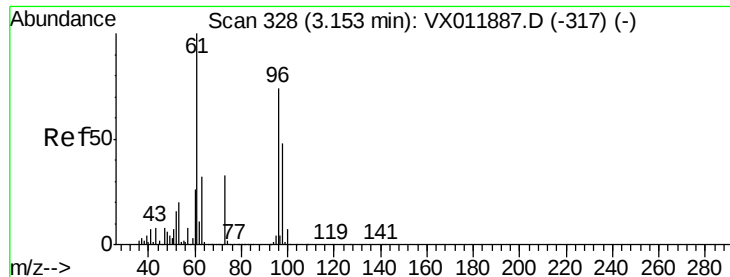
Tgt Ion: 73 Resp: 16629
Ion Ratio Lower Upper
73 100
57 24.6 17.4 26.0



#20
Methylene Chloride
Concen: 3.709 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 84 Resp: 15117
Ion Ratio Lower Upper
84 100
49 118.9 103.0 154.4
51 30.0 30.8 46.2#
86 59.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.139 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

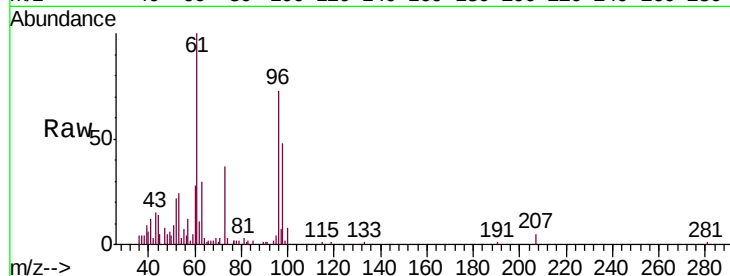
Tgt Ion: 96 Resp: 7051

Ion Ratio Lower Upper

96 100

61 135.9 107.4 161.2

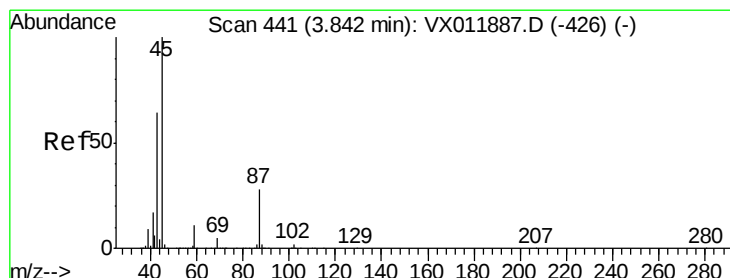
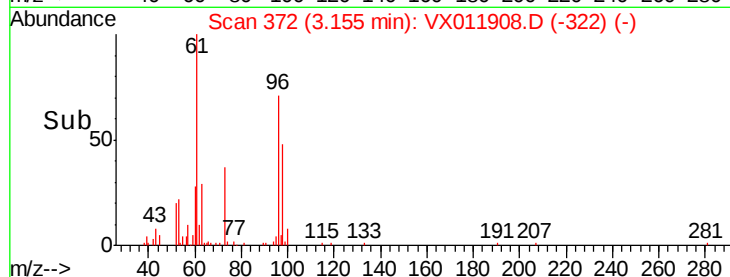
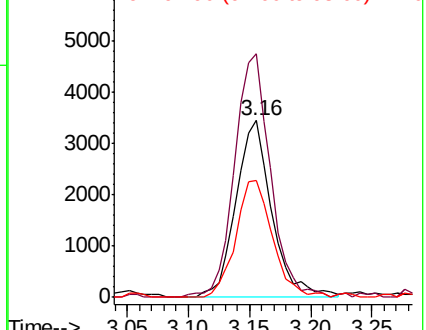
98 66.0 51.4 77.2



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: 1.905 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Tgt Ion: 45 Resp: 20417

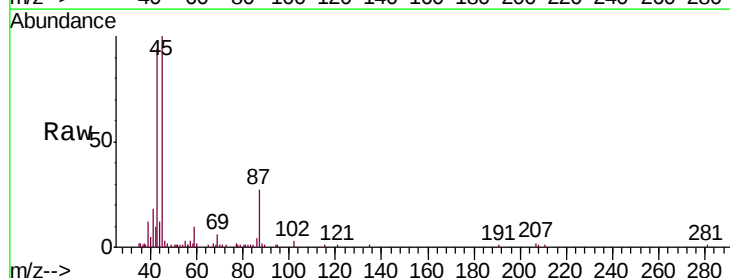
Ion Ratio Lower Upper

45 100

43 89.6 51.0 76.6#

87 26.9 22.0 33.0

59 10.3 9.1 13.7

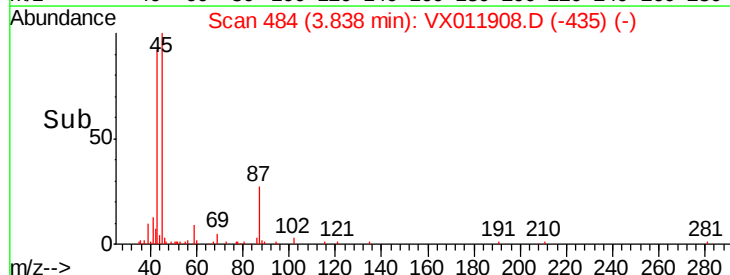
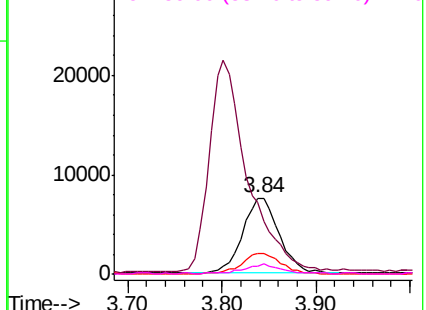


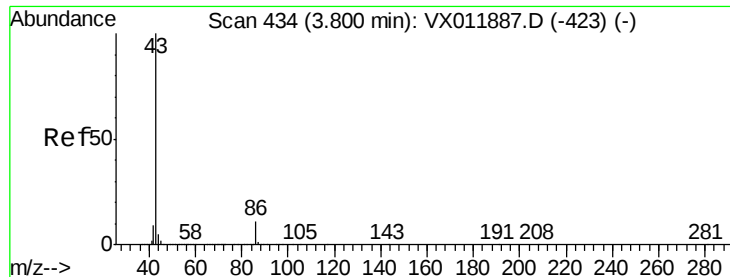
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

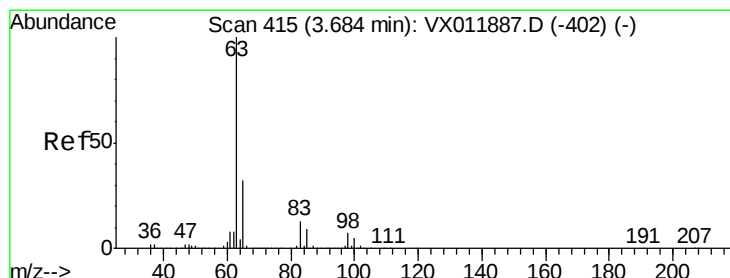
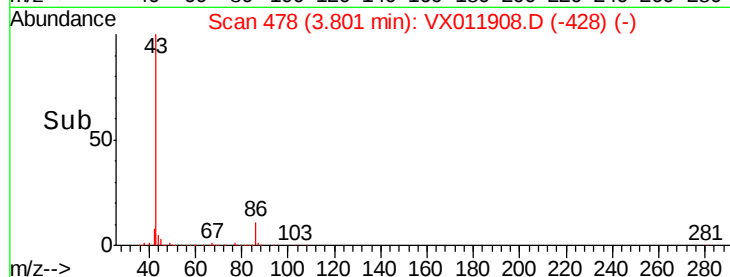
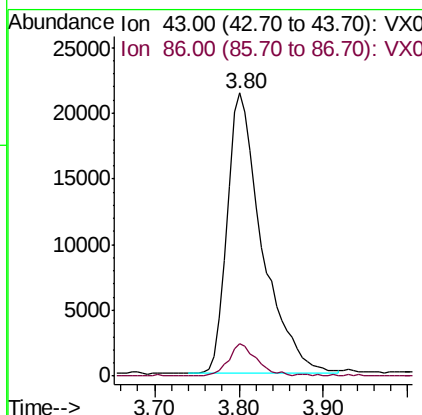
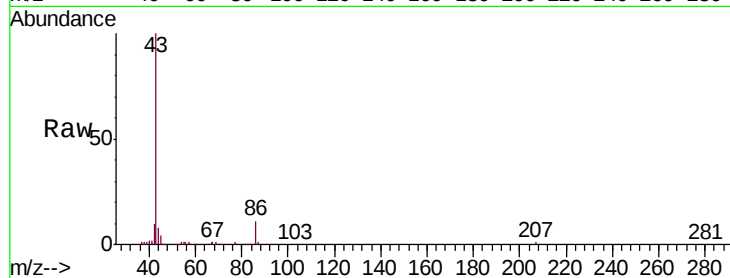




#23
 Vinyl Acetate
 Concen: 8.757 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

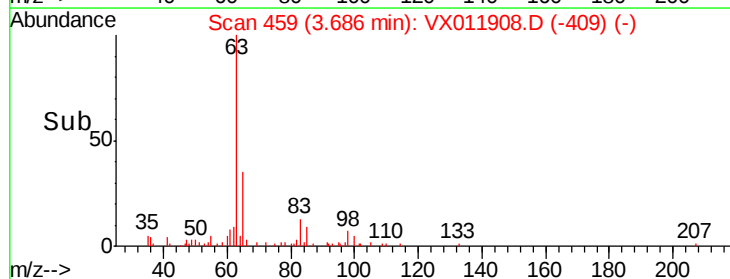
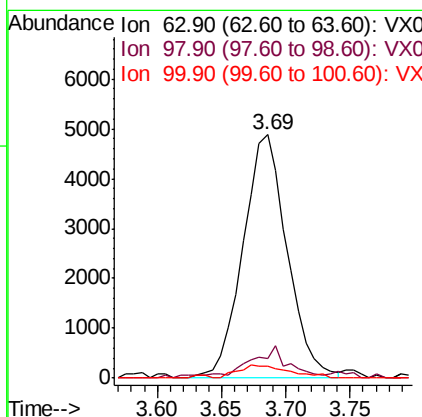
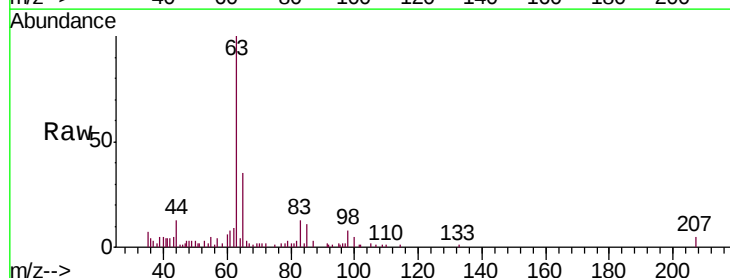
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

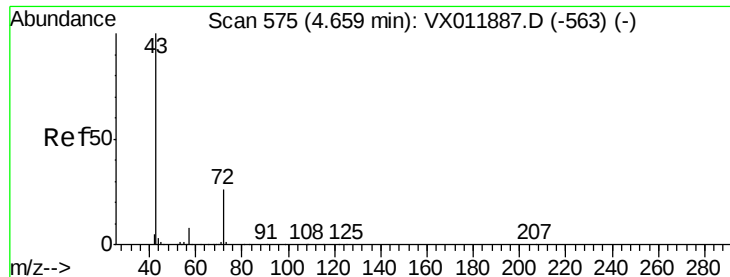
Tgt Ion: 43 Resp: 60327
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 1.961 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion: 63 Resp: 11589
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.2
 100 5.1 2.4 7.2





#25

2-Butanone

Concen: 9.521 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

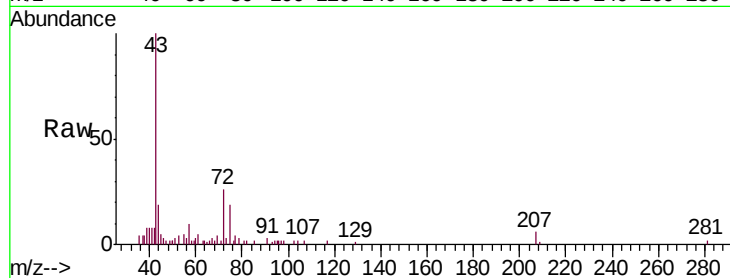
MDL05

Tgt Ion: 43 Resp: 11388

Ion Ratio Lower Upper

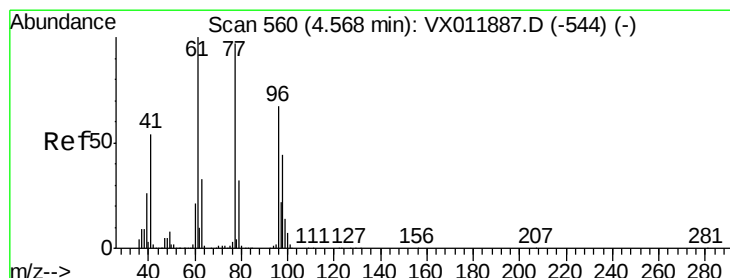
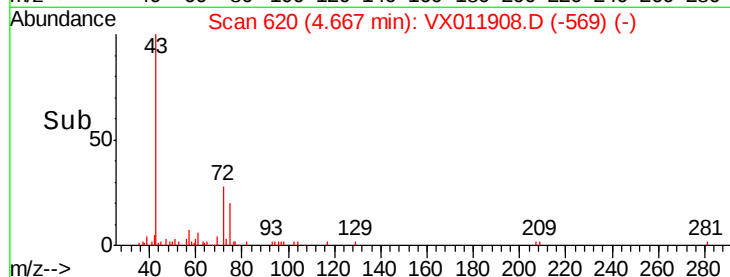
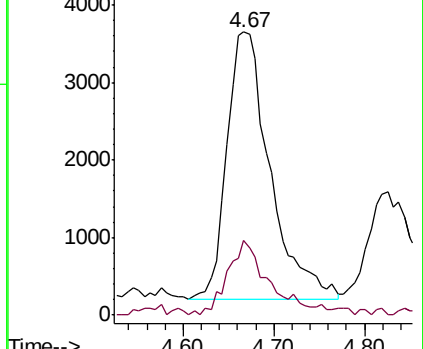
43 100

72 27.8 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.335 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011908.D

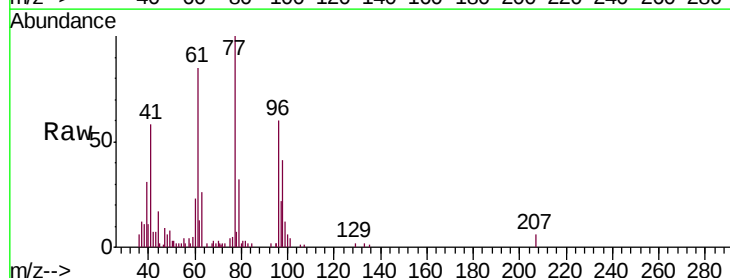
Acq: 30 Aug 2019 14:34

Tgt Ion: 77 Resp: 11572

Ion Ratio Lower Upper

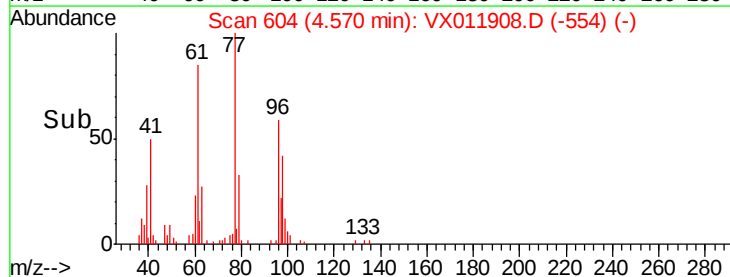
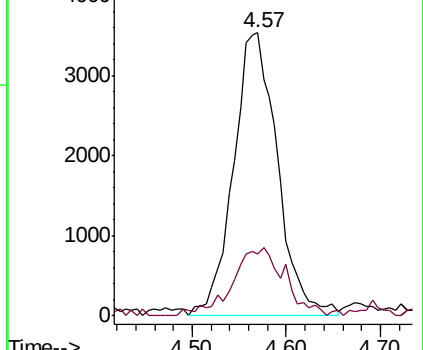
77 100

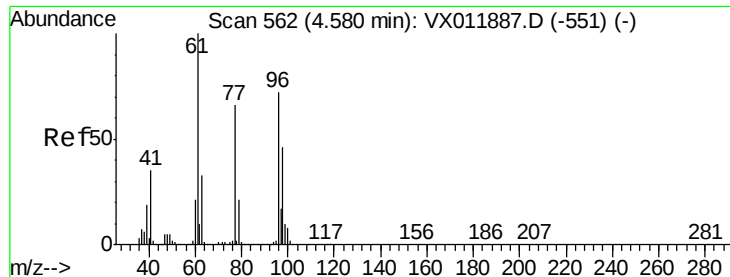
97 28.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 2.223 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

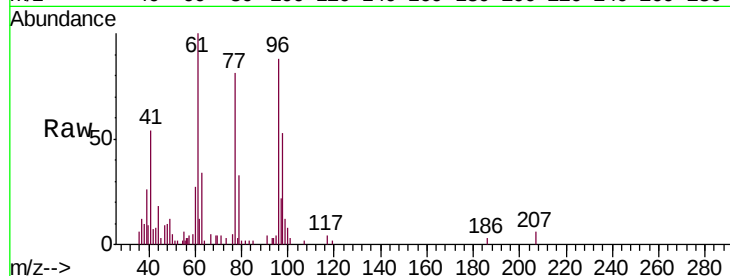
Tgt Ion: 96 Resp: 8630

Ion Ratio Lower Upper

96 100

61 128.1 0.0 283.8

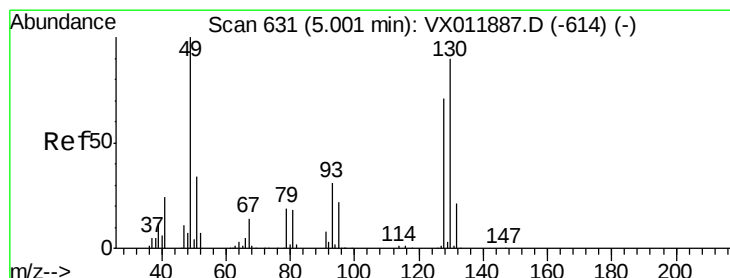
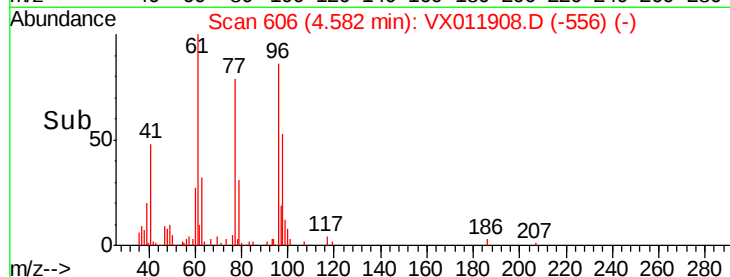
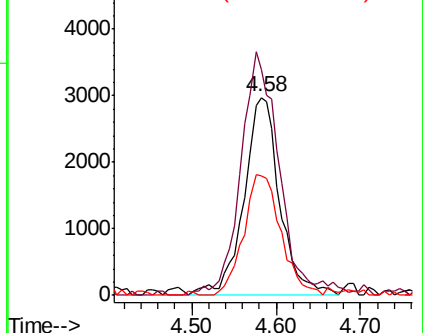
98 62.9 0.0 131.2



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



#28

Bromochloromethane

Concen: 2.104 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

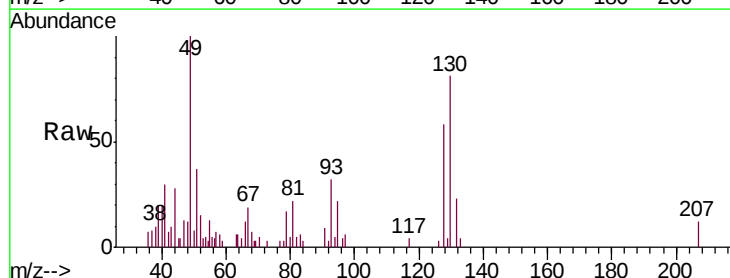
Tgt Ion: 49 Resp: 5578

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.8

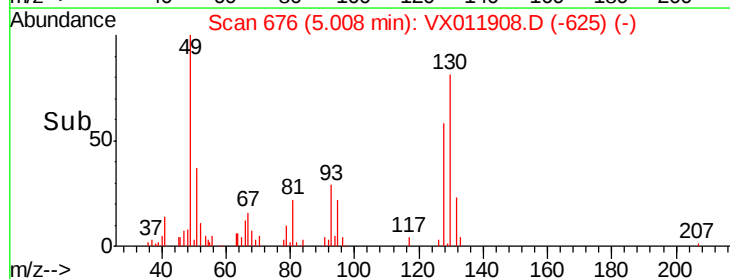
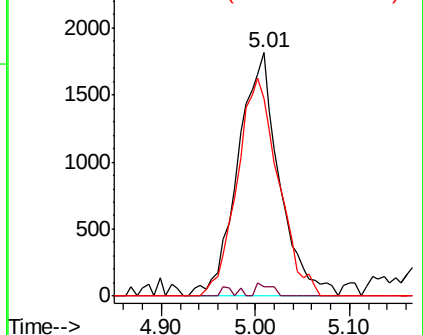
130 89.1 70.6 105.8

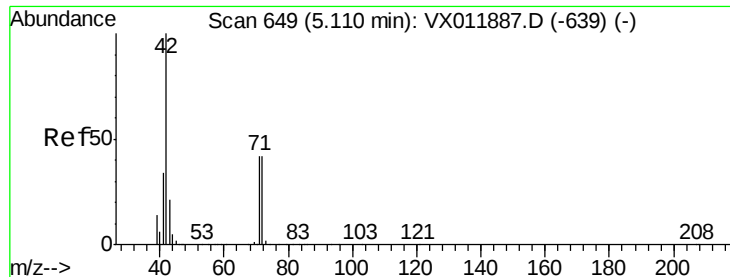


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 9.083 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

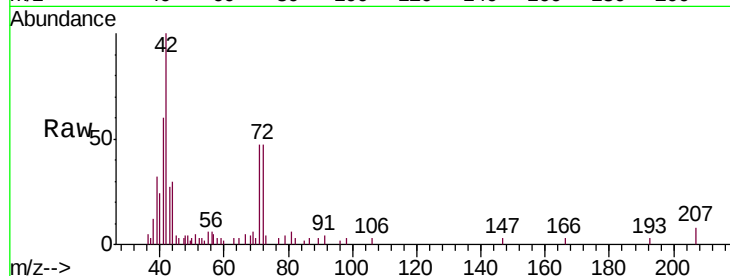
Tgt Ion: 42 Resp: 6781

Ion Ratio Lower Upper

42 100

72 47.6 36.2 54.4

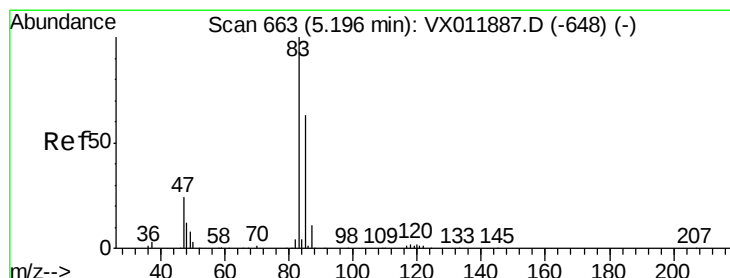
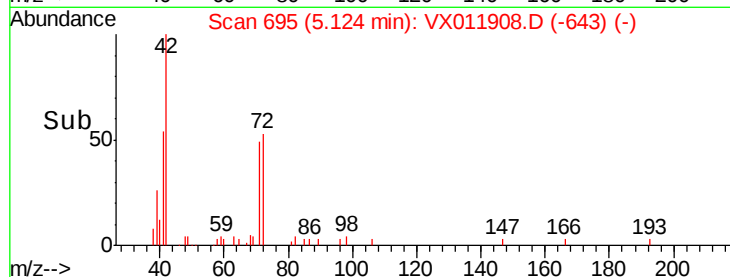
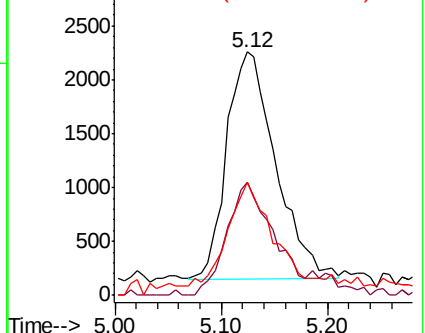
71 42.6 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 2.285 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX011908.D

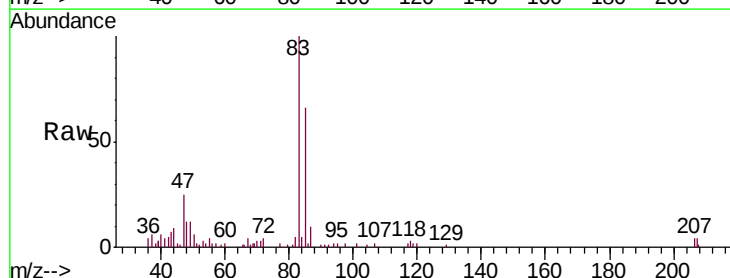
Acq: 30 Aug 2019 14:34

Tgt Ion: 83 Resp: 14437

Ion Ratio Lower Upper

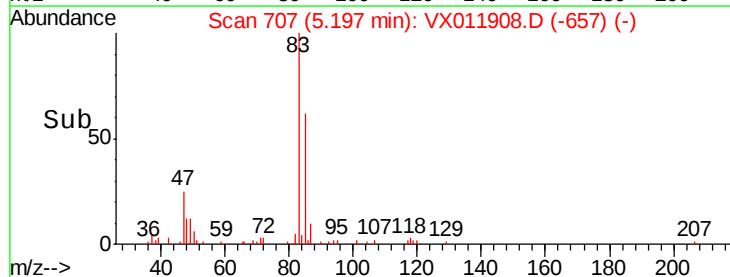
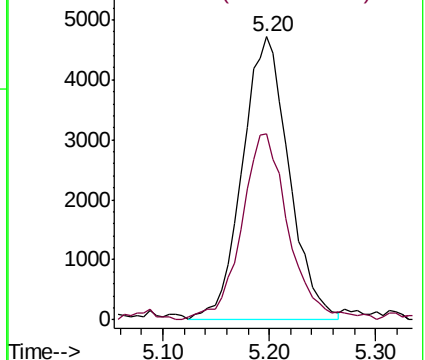
83 100

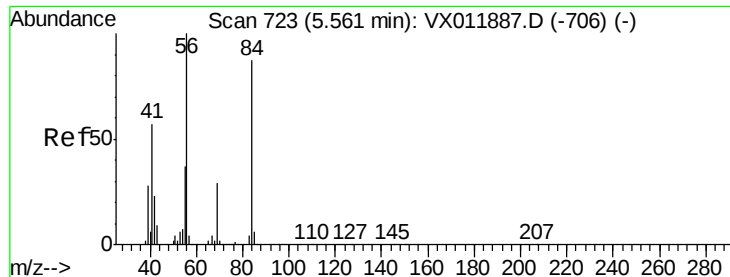
85 64.6 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

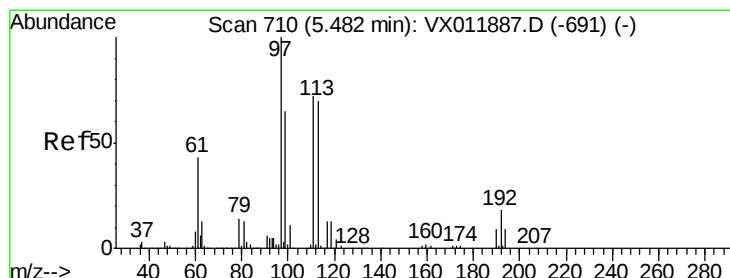
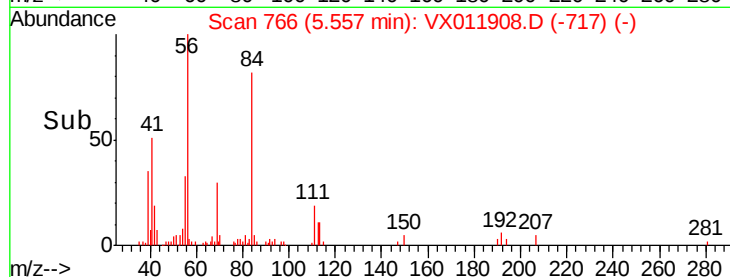
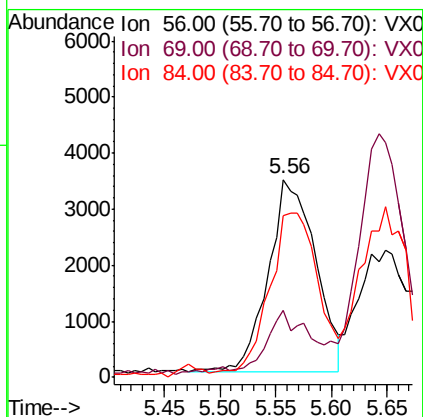
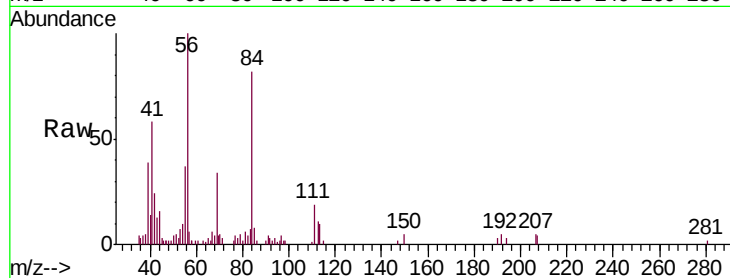




#31
Cyclohexane
Concen: 2.144 ug/l
RT: 5.56 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

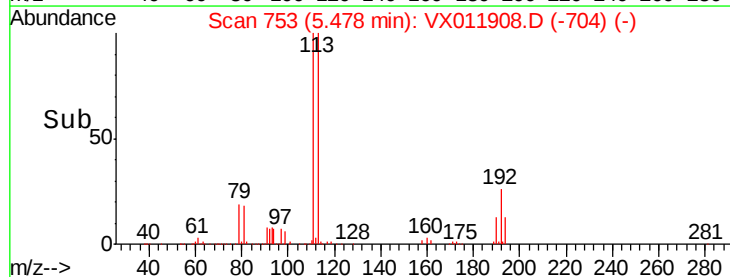
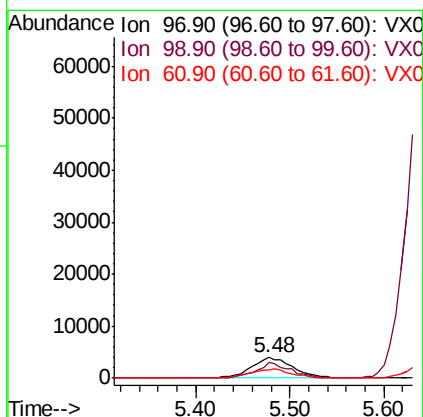
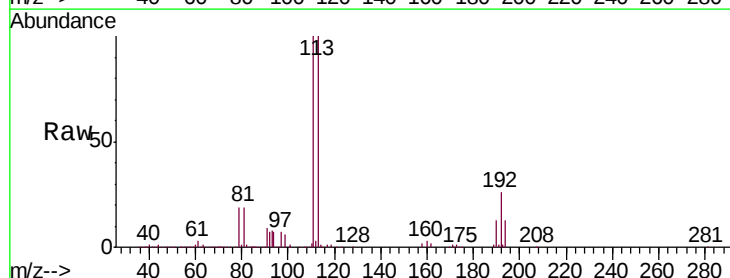
Instrument :
MSVOA_X
ClientSampleId :
MDL05

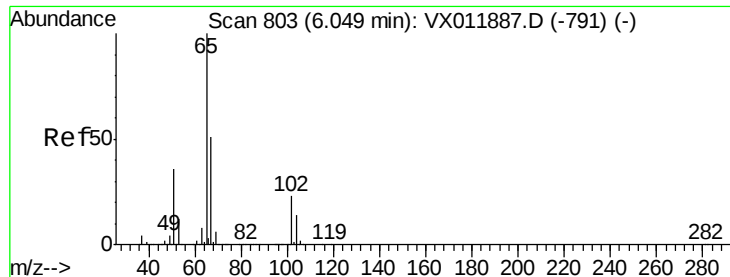
Tgt Ion: 56 Resp: 10217
Ion Ratio Lower Upper
56 100
69 32.4 23.1 34.7
84 76.5 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 2.177 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 97 Resp: 12219
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 43.0 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 43.847 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

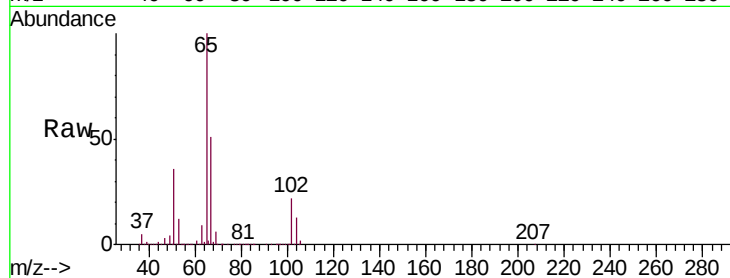
MDL05

Tgt Ion: 65 Resp: 167368

Ion Ratio Lower Upper

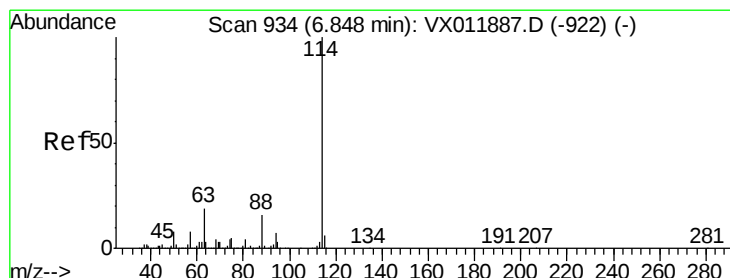
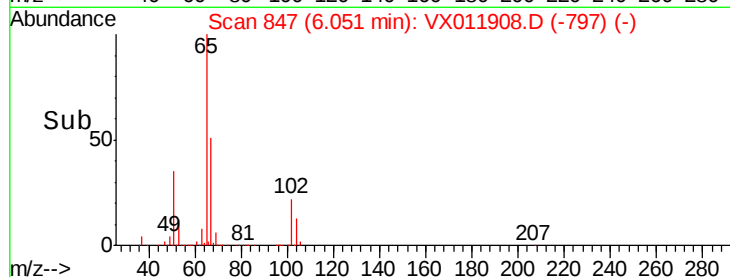
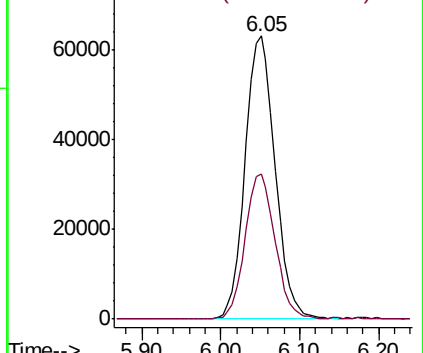
65 100

67 50.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

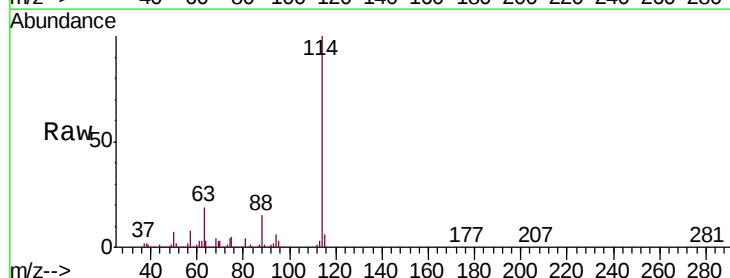
Tgt Ion: 114 Resp: 528349

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

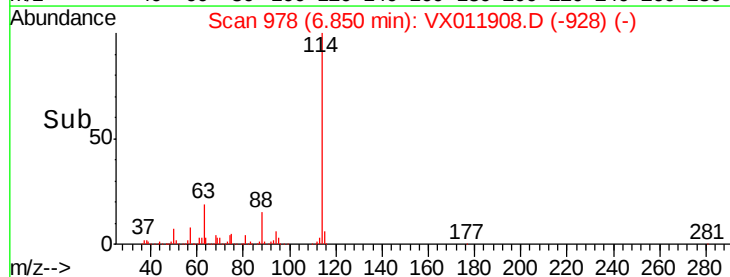
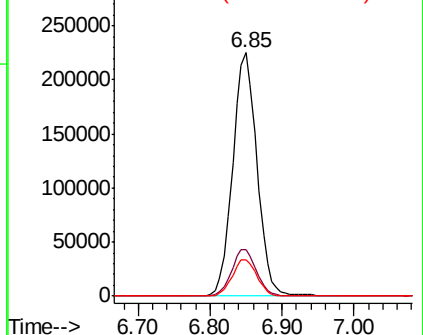
88 15.0 0.0 31.2

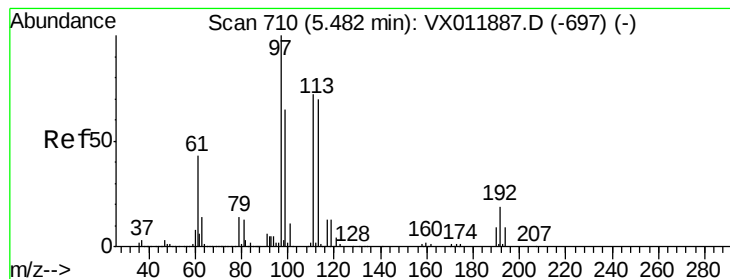


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.671 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

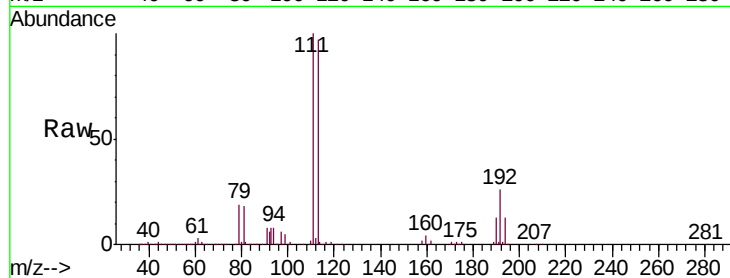
Tgt Ion:113 Resp: 158120

Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

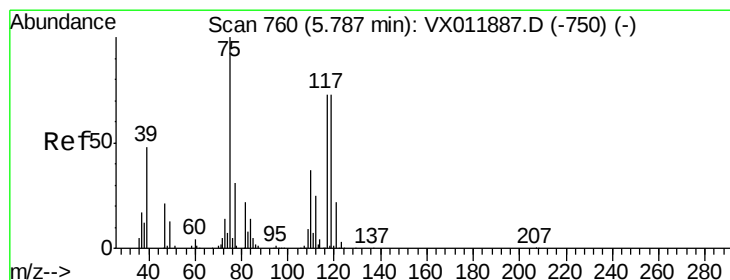
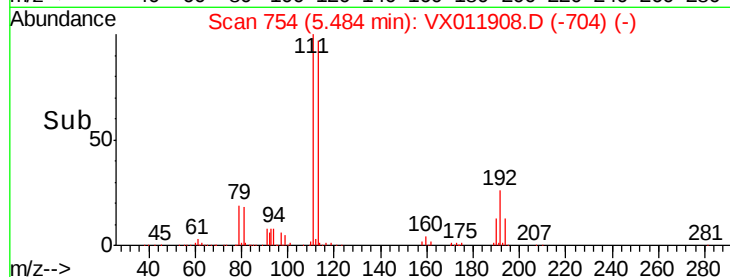
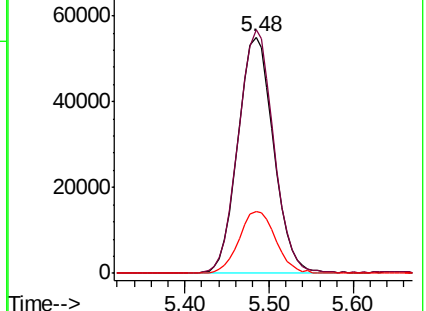
192 26.9 21.5 32.3



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: 2.109 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

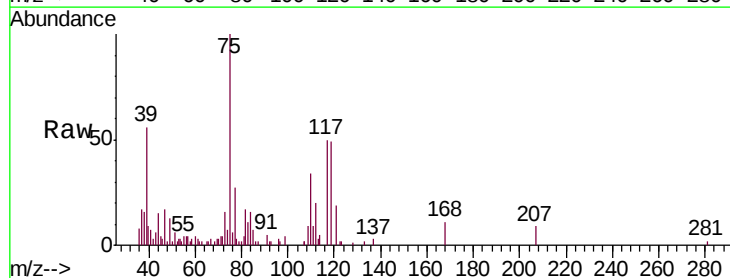
Tgt Ion: 75 Resp: 8829

Ion Ratio Lower Upper

75 100

110 41.1 19.1 57.3

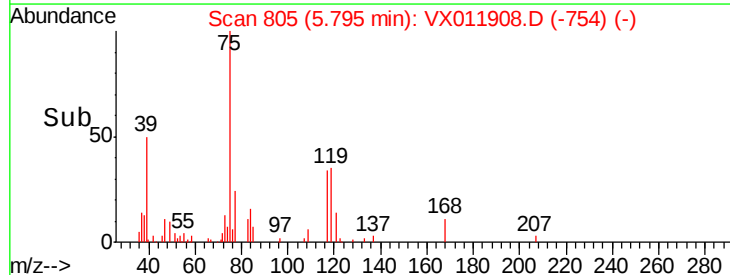
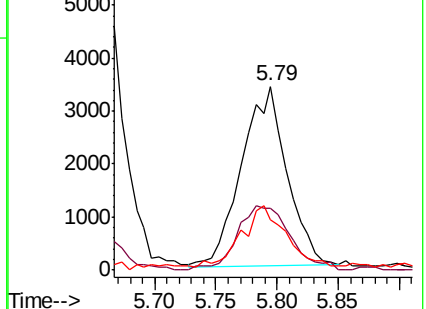
77 35.2 24.4 36.6

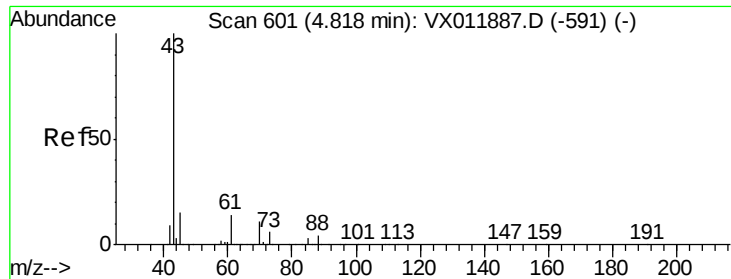


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

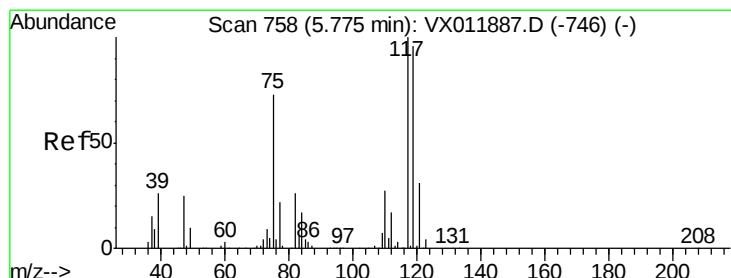
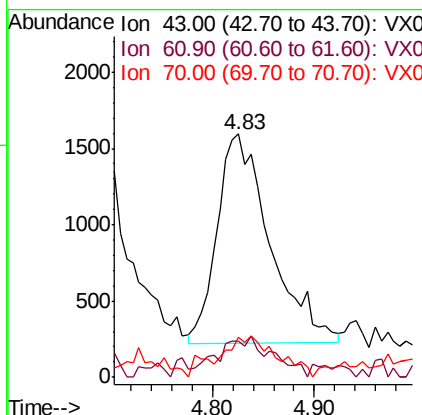
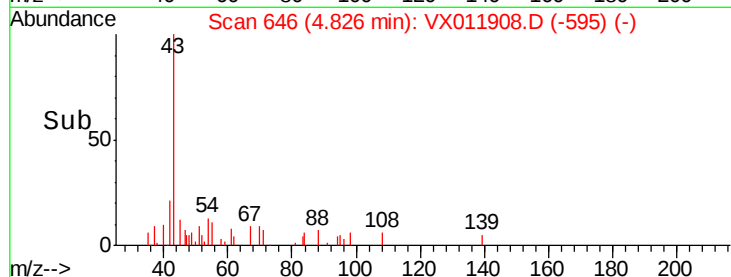
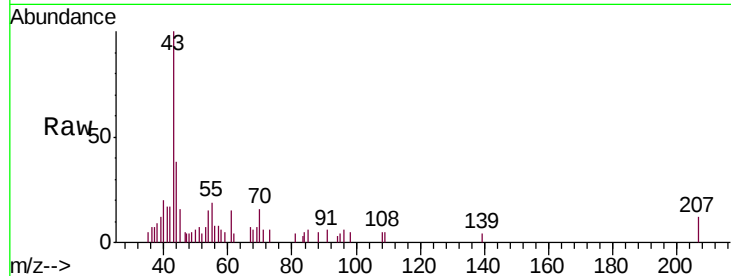




#37
 Ethyl Acetate
 Concen: 1.996 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

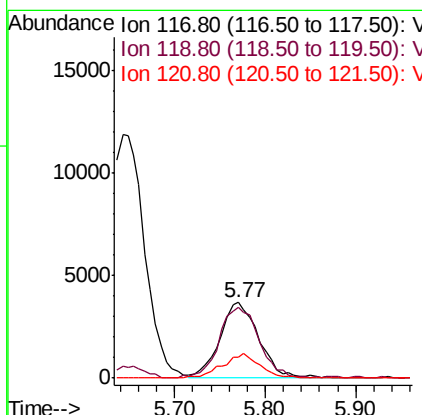
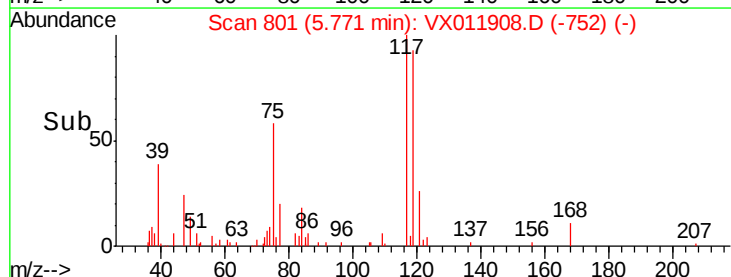
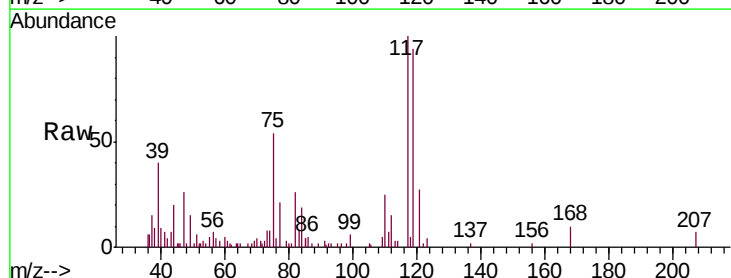
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

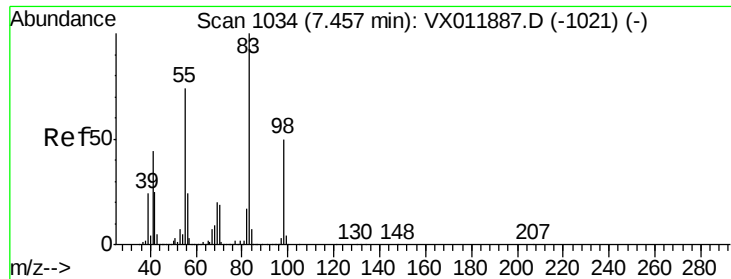
Tgt Ion: 43 Resp: 4945
 Ion Ratio Lower Upper
 43 100
 61 9.8 11.0 16.4#
 70 18.4 9.2 13.8#



#38
 Carbon Tetrachloride
 Concen: 2.274 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion: 117 Resp: 11039
 Ion Ratio Lower Upper
 117 100
 119 92.0 76.6 114.8
 121 26.9 24.7 37.1

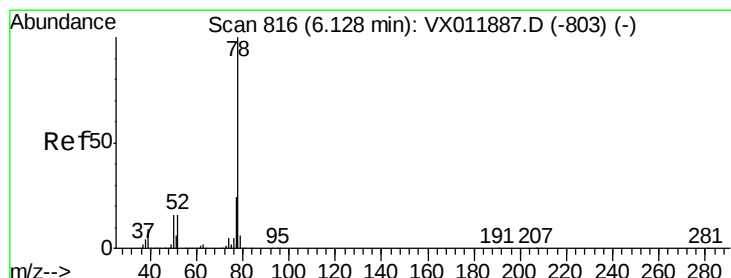
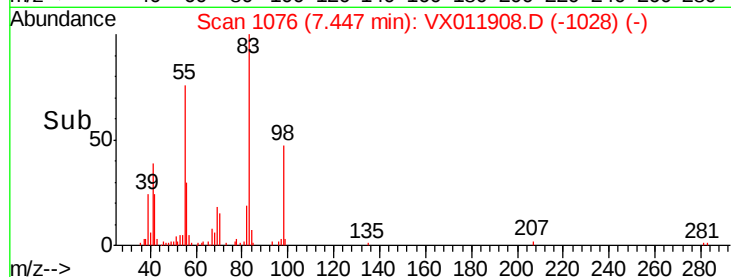
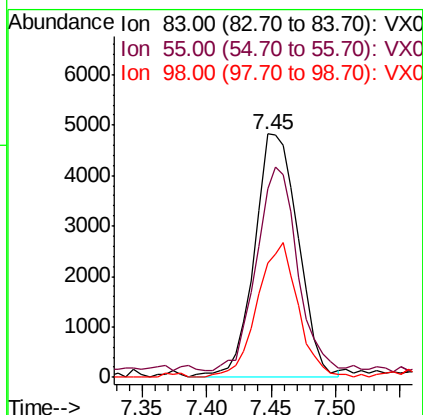
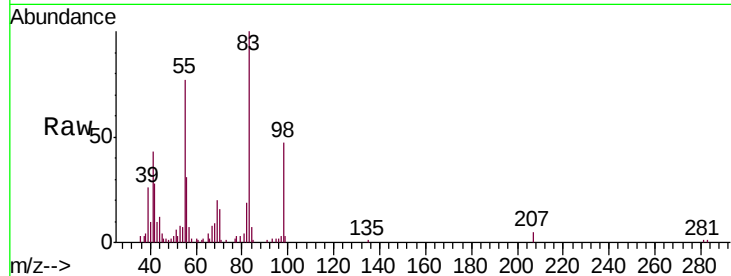




#39
Methylcyclohexane
Concen: 2.279 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

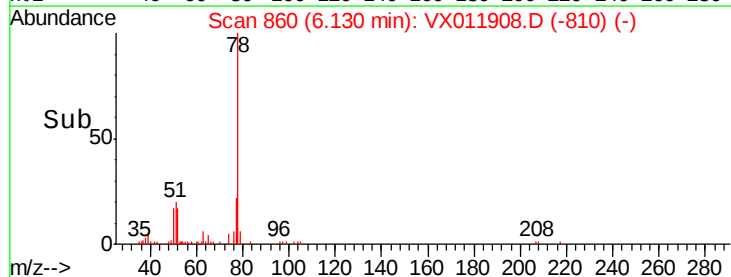
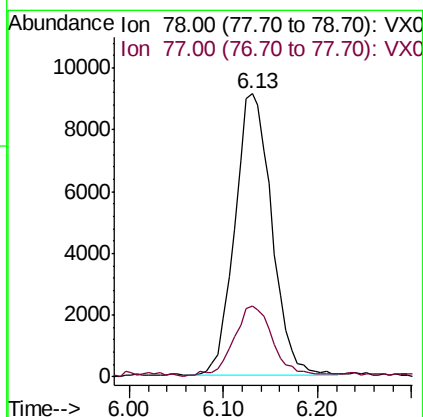
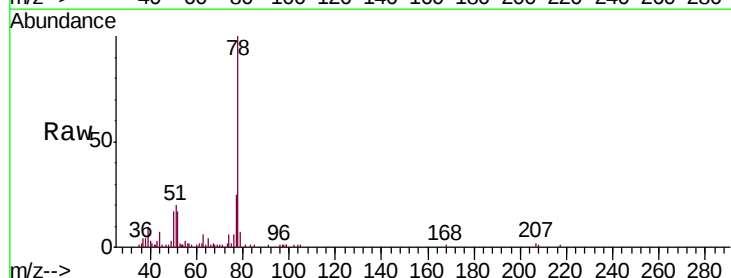
Instrument :
MSVOA_X
ClientSampleId :
MDL05

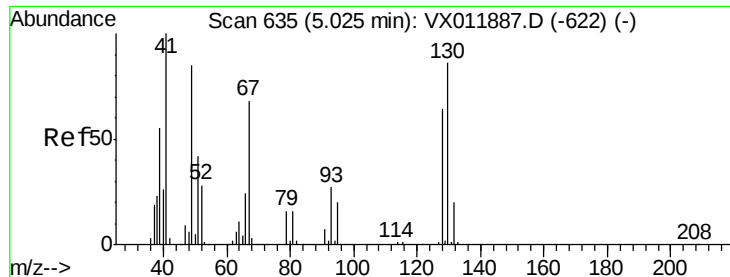
Tgt Ion: 83 Resp: 11362
Ion Ratio Lower Upper
83 100
55 73.5 59.4 89.0
98 46.8 40.3 60.5



#40
Benzene
Concen: 1.987 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 78 Resp: 24831
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

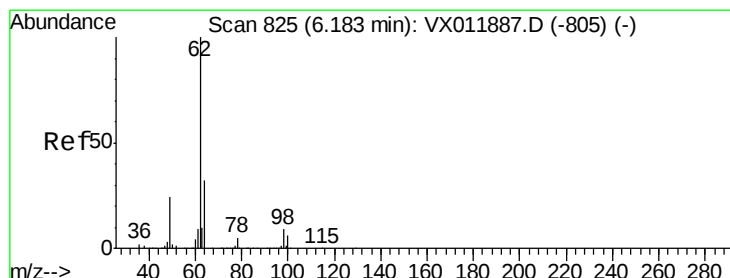
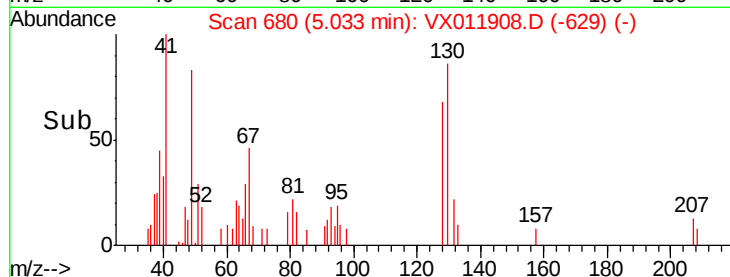
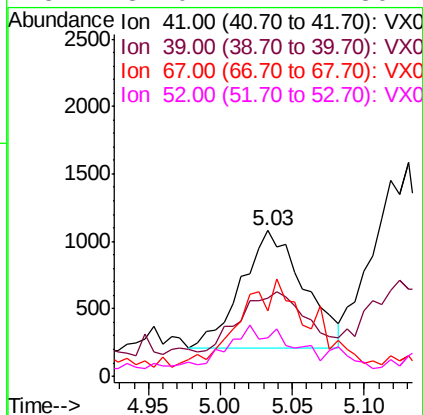
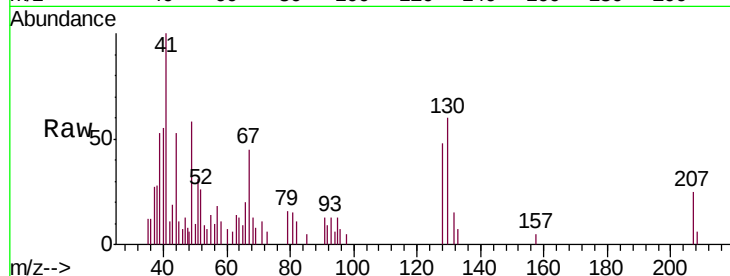




#41
Methacrylonitrile
Concen: 1.801 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

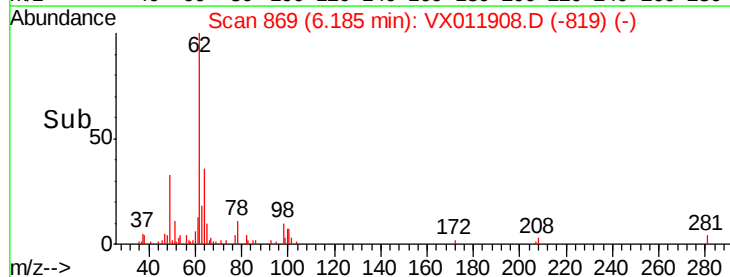
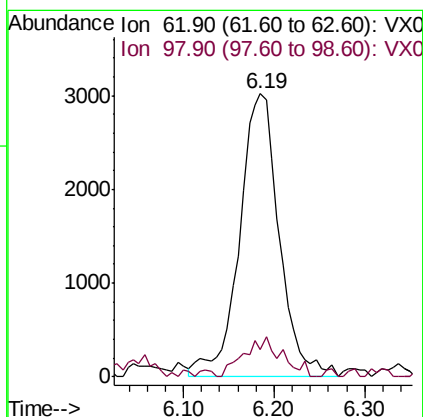
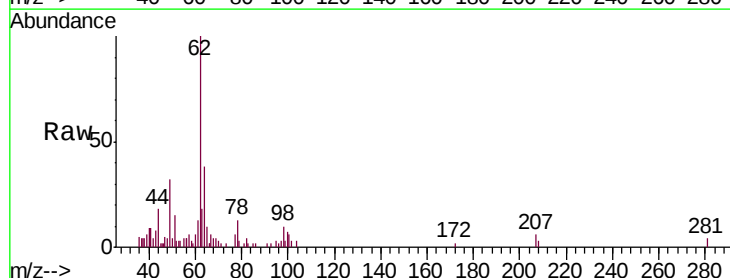
Instrument :
MSVOA_X
ClientSampleId :
MDL05

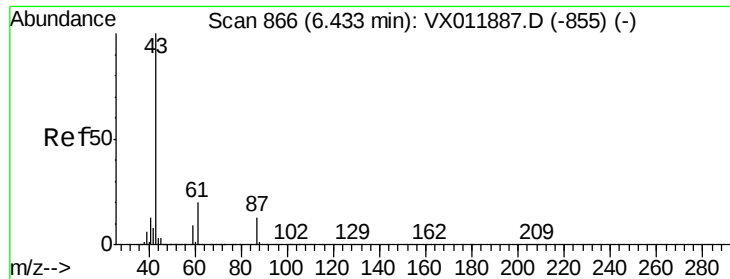
Tgt Ion:	41	Resp:	2628
Ion	Ratio	Lower	Upper
41	100		
39	60.5	45.0	67.6
67	38.4	55.0	82.4
52	32.0	24.1	36.1



#42
1,2-Dichloroethane
Concen: 2.158 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion:	62	Resp:	9169
Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	19.2





#43

Isopropyl Acetate

Concen: 2.001 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

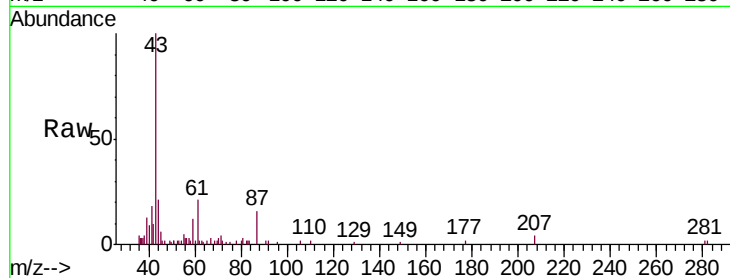
Tgt Ion: 43 Resp: 10052

Ion Ratio Lower Upper

43 100

61 22.1 16.1 24.1

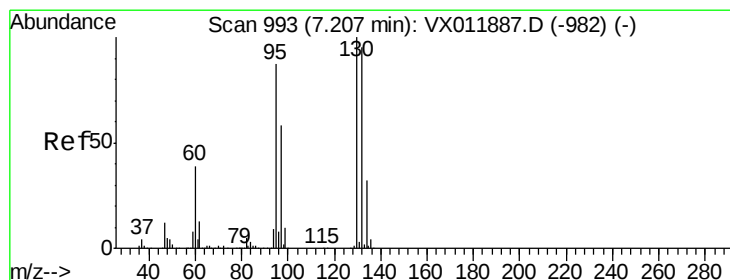
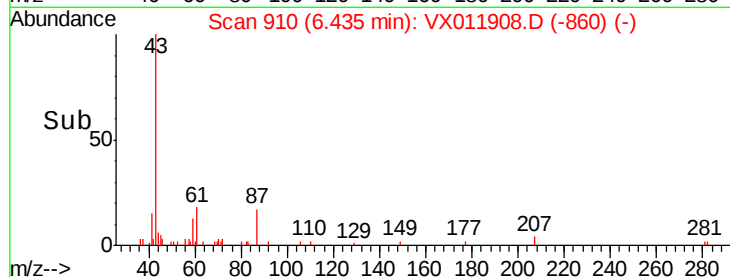
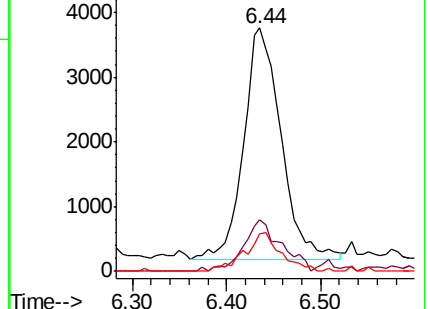
87 15.9 10.6 16.0



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: 2.096 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX011908.D

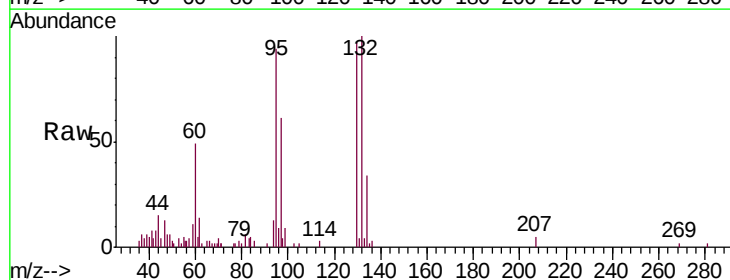
Acq: 30 Aug 2019 14:34

Tgt Ion: 130 Resp: 8103

Ion Ratio Lower Upper

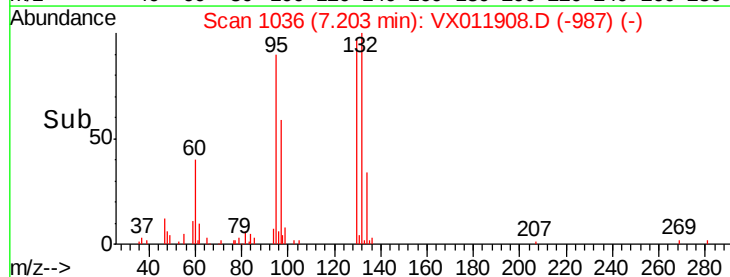
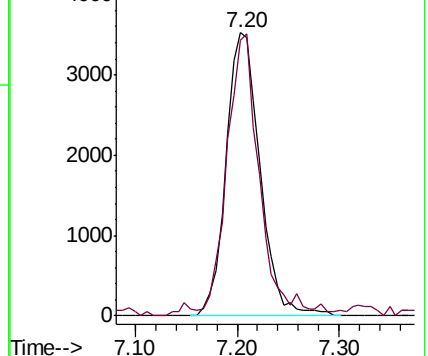
130 100

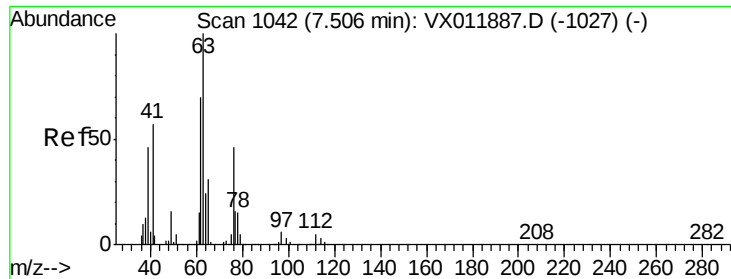
95 95.7 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.950 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

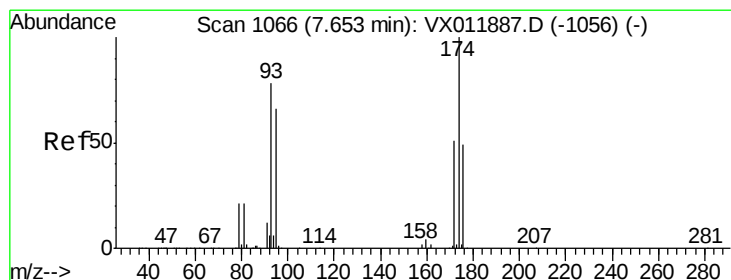
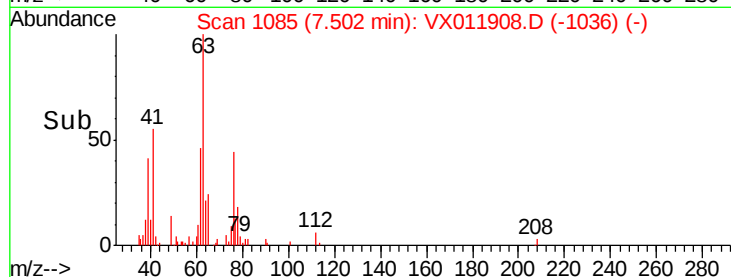
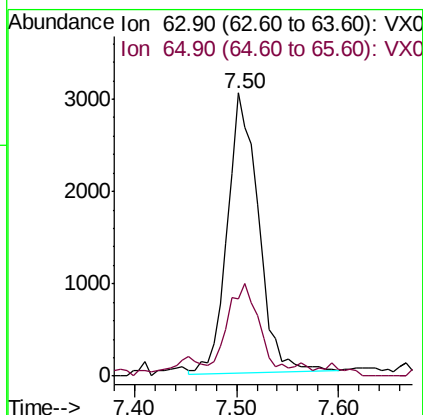
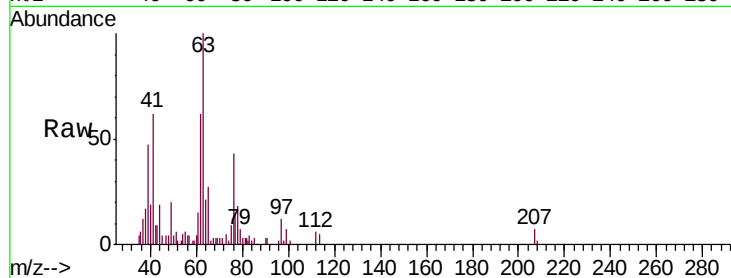
MDL05

Tgt Ion: 63 Resp: 6372

Ion Ratio Lower Upper

63 100

65 25.0 25.1 37.7#



#46

Dibromomethane

Concen: 2.122 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

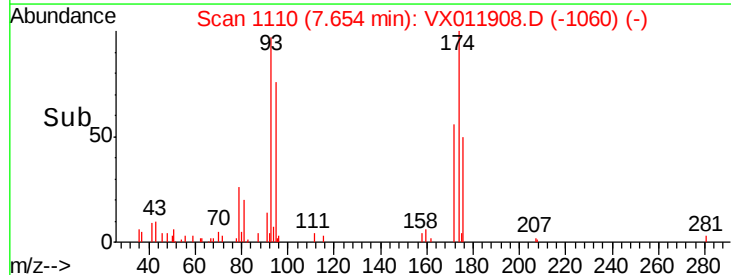
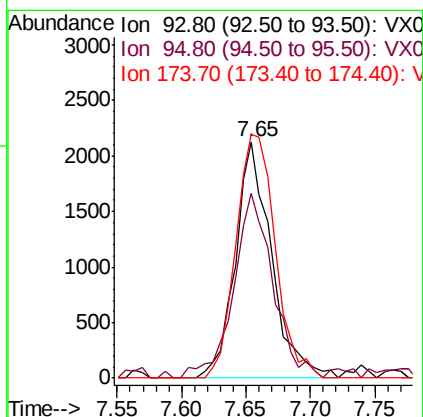
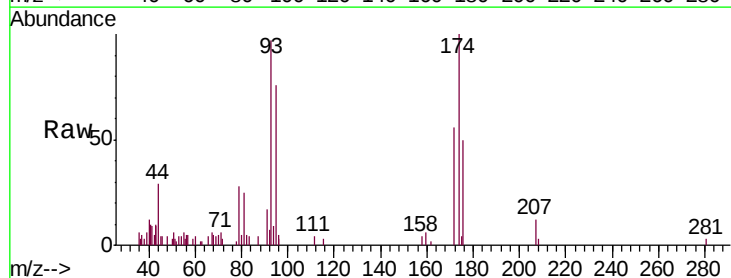
Tgt Ion: 93 Resp: 4116

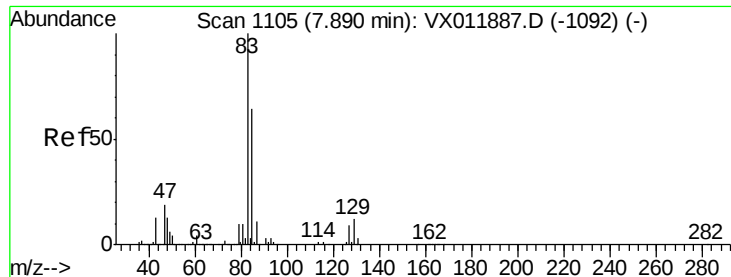
Ion Ratio Lower Upper

93 100

95 85.3 65.7 98.5

174 112.6 104.2 156.4





#47

Bromodichloromethane

Concen: 2.098 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

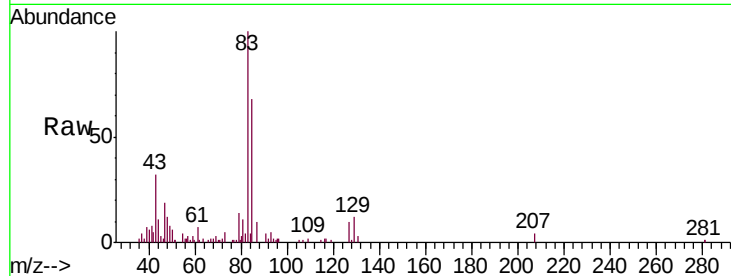
Tgt Ion: 83 Resp: 10091

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7

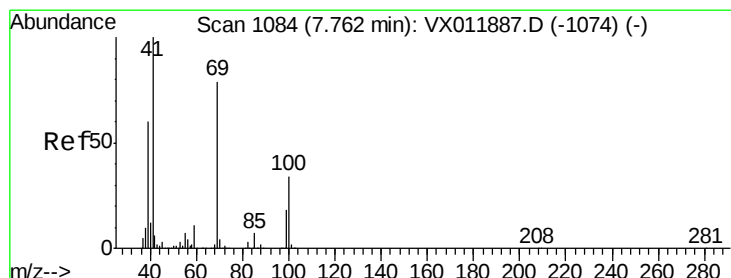
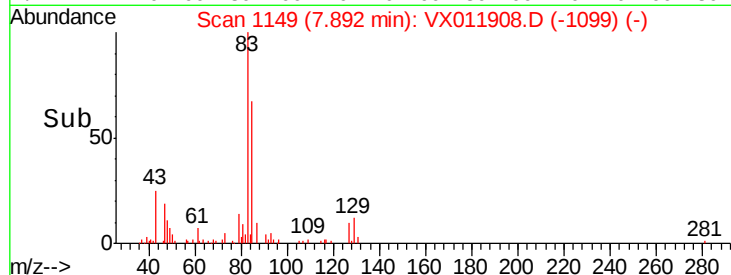
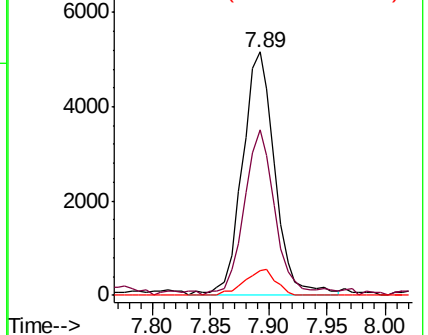
127 9.9 7.4 11.2



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: 1.994 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

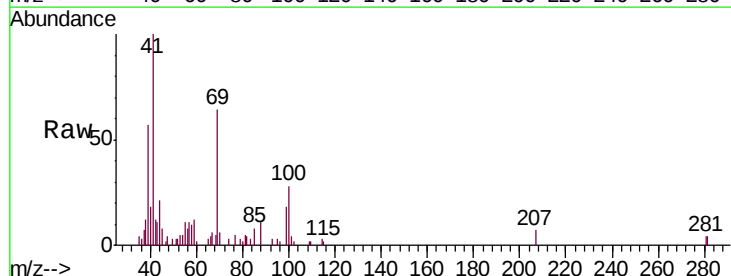
Tgt Ion: 41 Resp: 4875

Ion Ratio Lower Upper

41 100

69 71.2 64.4 96.6

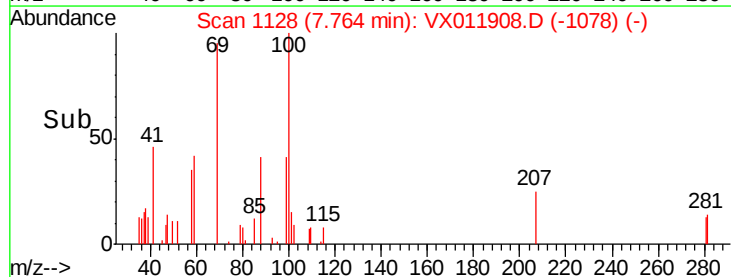
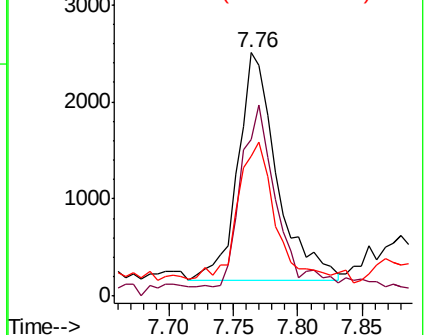
39 58.4 47.2 70.8

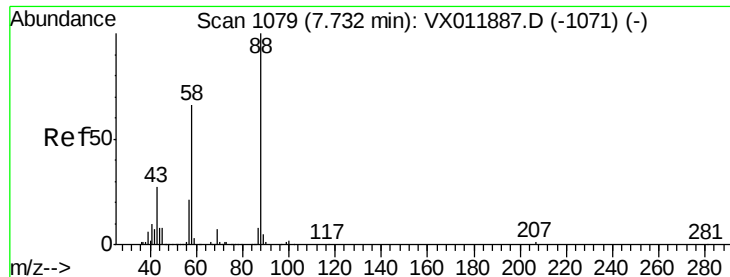


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 41.950 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

MDL05

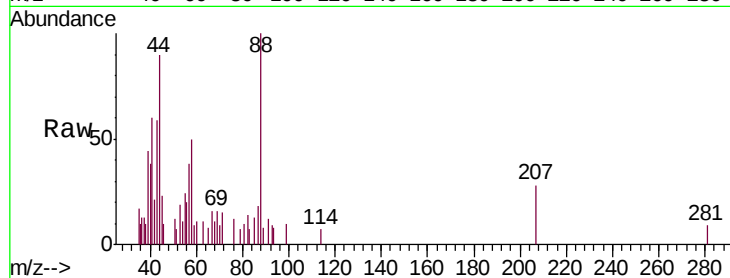
Tgt Ion: 88 Resp: 1410

Ion Ratio Lower Upper

88 100

43 26.3 27.3 40.9#

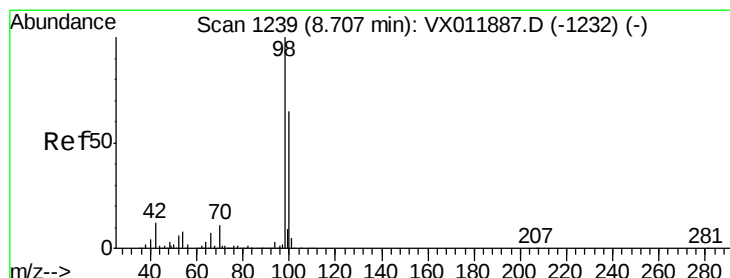
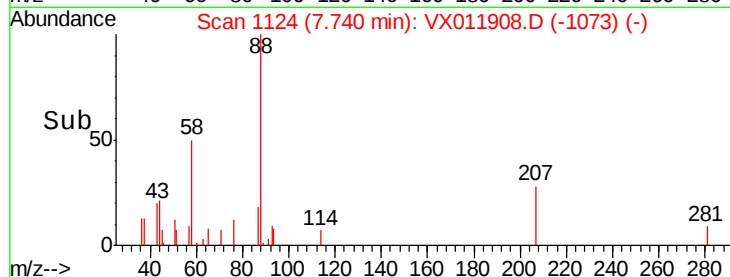
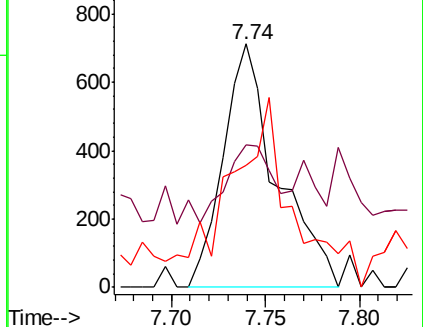
58 91.8 53.9 80.9#



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: 48.668 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011908.D

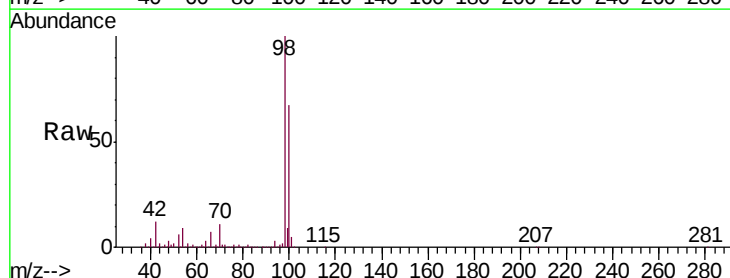
Acq: 30 Aug 2019 14:34

Tgt Ion: 98 Resp: 589419

Ion Ratio Lower Upper

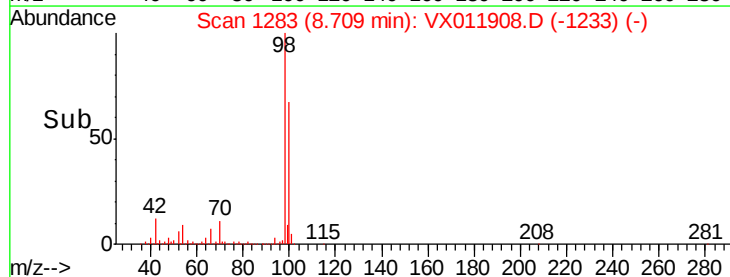
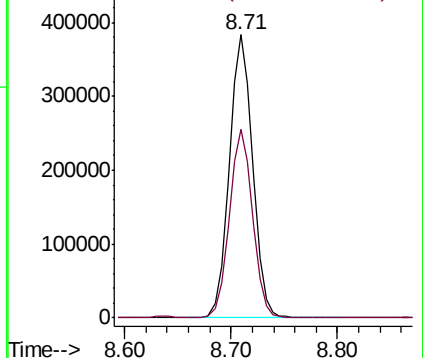
98 100

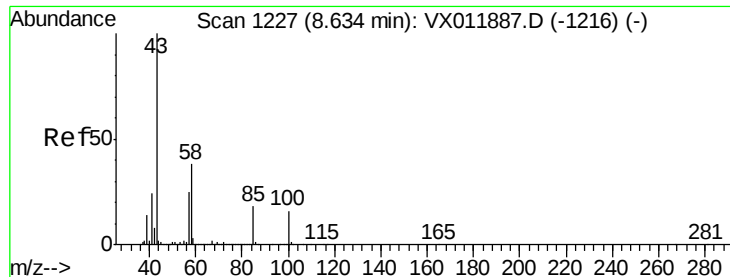
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

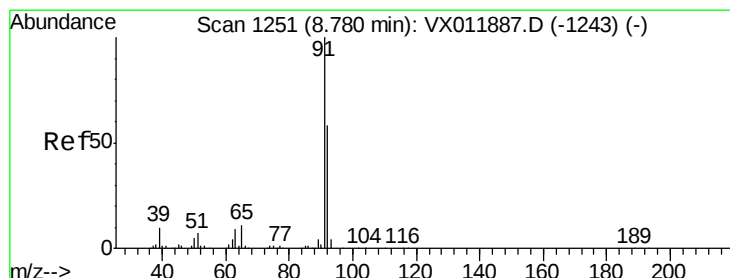
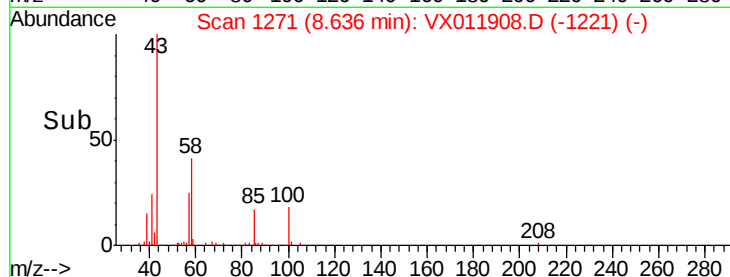
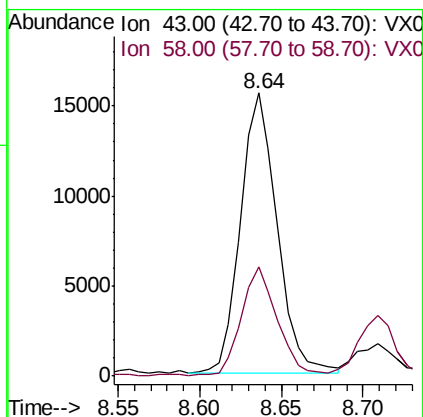
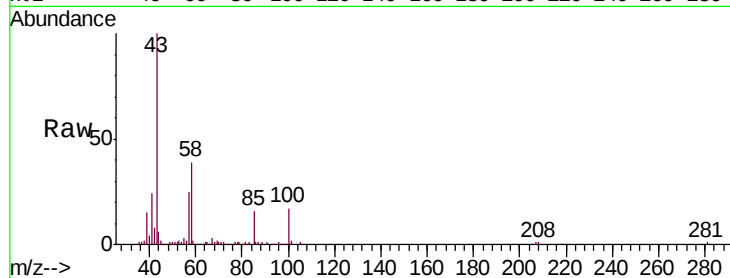




#51
 4-Methyl-2-Pentanone
 Concen: 9.508 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

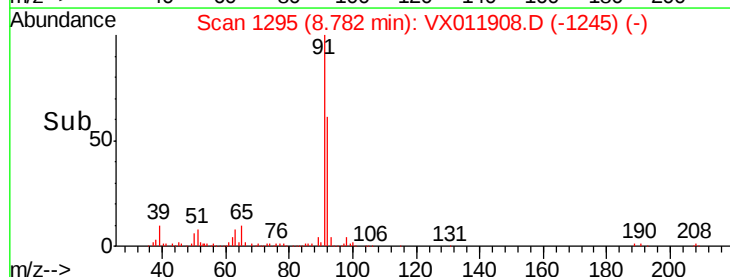
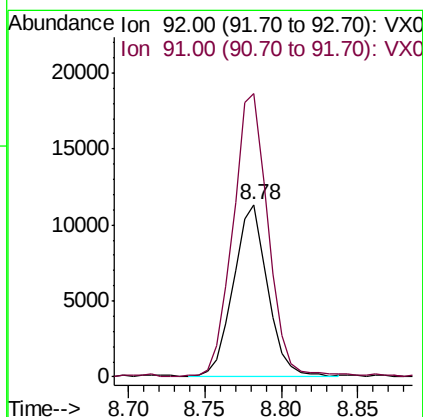
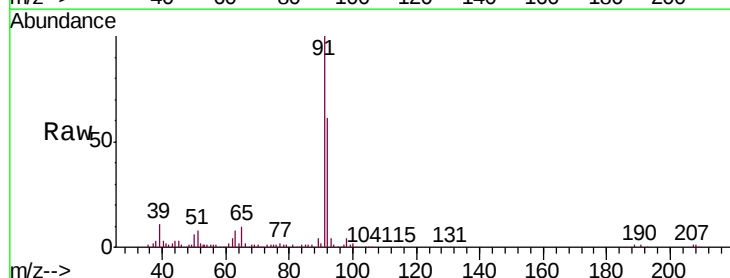
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

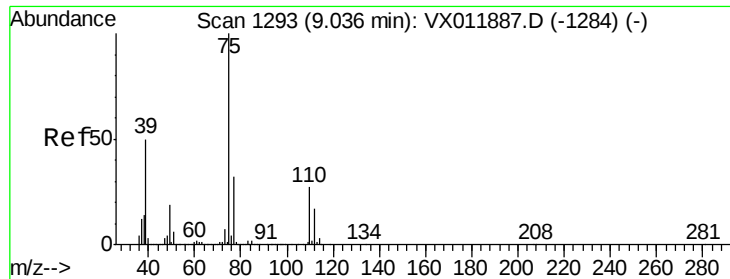
Tgt Ion: 43 Resp: 24265
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.9 46.3



#52
 Toluene
 Concen: 2.133 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion: 92 Resp: 17630
 Ion Ratio Lower Upper
 92 100
 91 169.3 136.8 205.2

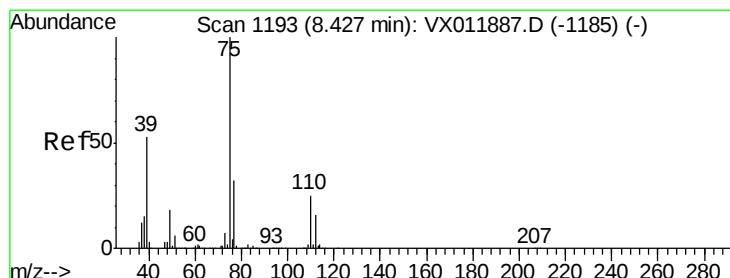
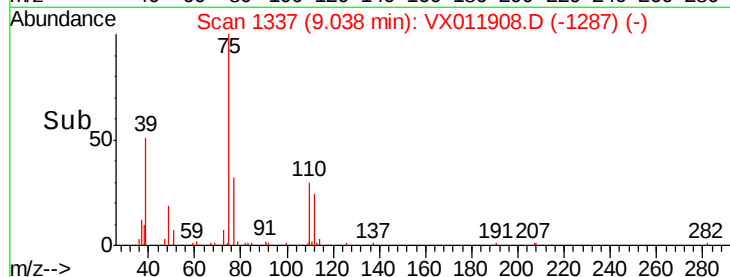
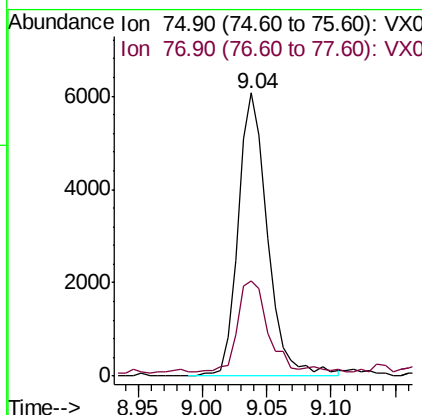
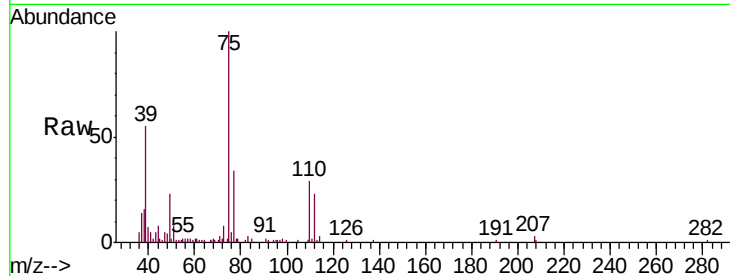




#53
t-1,3-Dichloropropene
Concen: 1.941 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

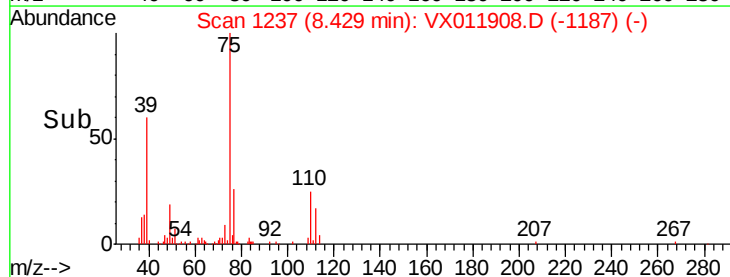
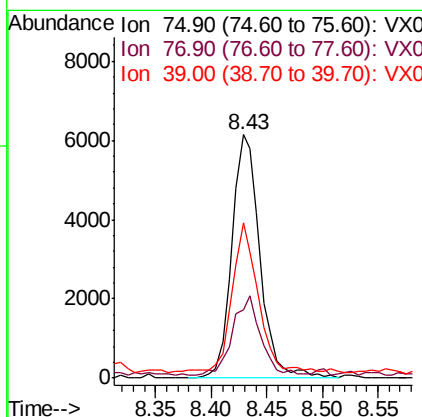
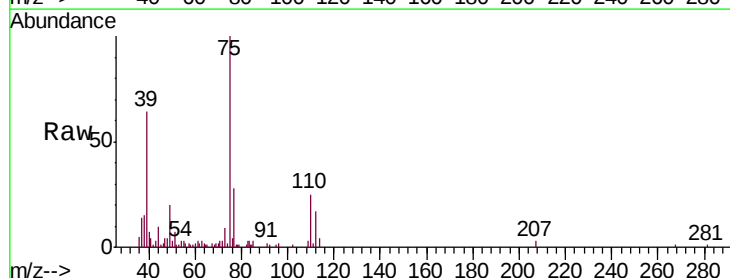
Instrument :
MSVOA_X
ClientSampled :
MDL05

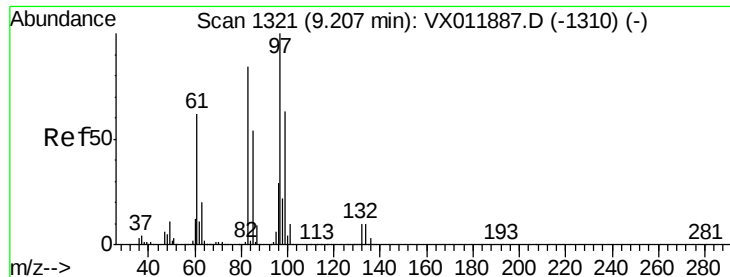
Tgt Ion: 75 Resp: 9564
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 1.942 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 75 Resp: 10739
Ion Ratio Lower Upper
75 100
77 26.7 25.5 38.3
39 60.6 42.6 64.0

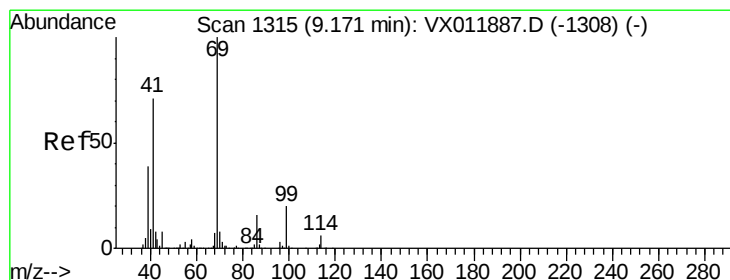
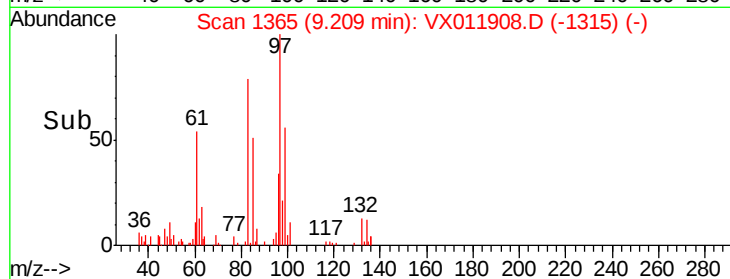
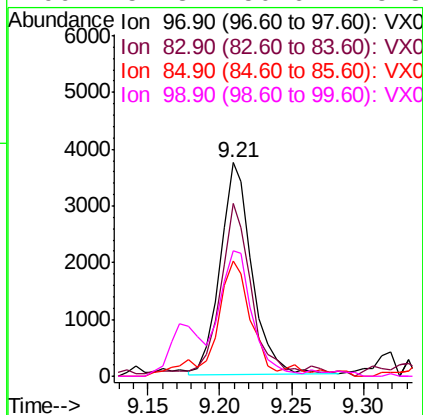
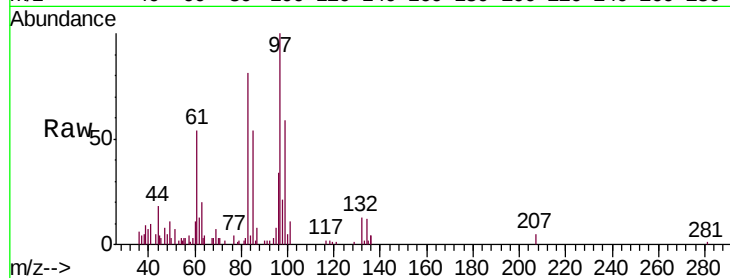




#55
 1,1,2-Trichloroethane
 Concen: 2.034 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

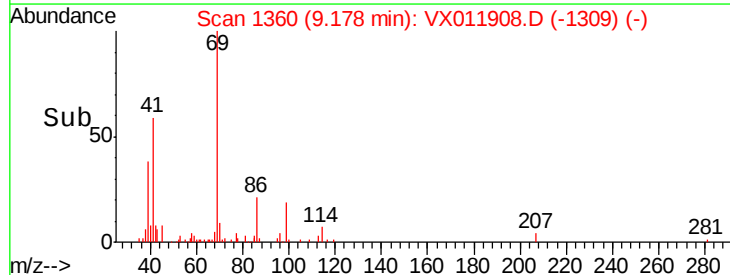
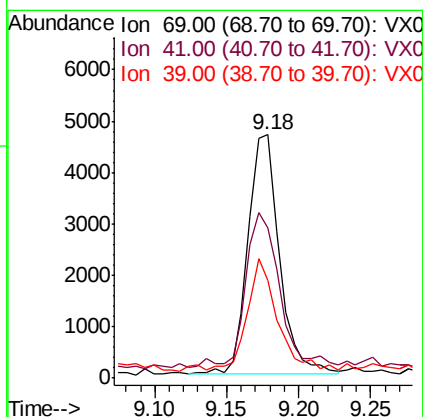
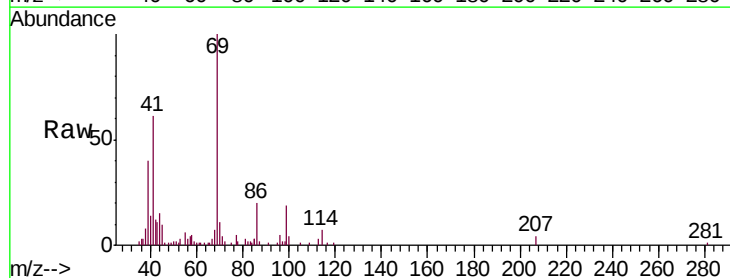
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

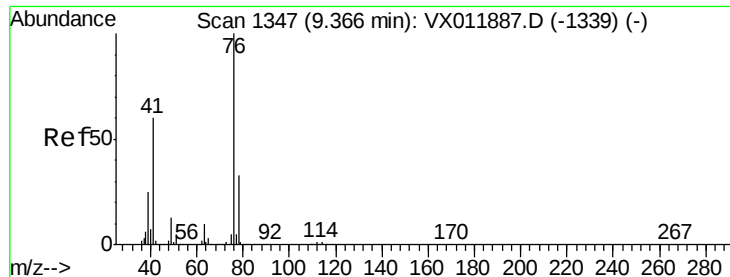
Tgt Ion:	97	Resp:	5775
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.8	100.2
85	52.5	43.5	65.3
99	57.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 1.773 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion:	69	Resp:	6989
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	44.7	31.1	46.7





#57

1,3-Dichloropropane

Concen: 1.948 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

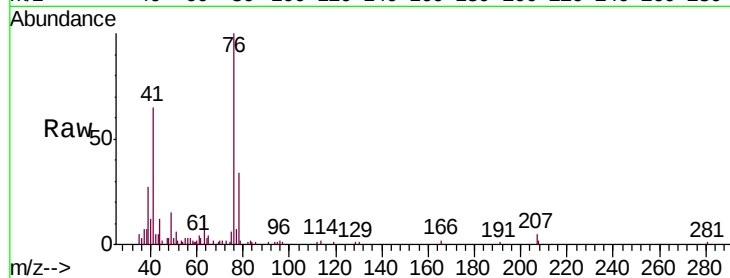
MDL05

Tgt Ion: 76 Resp: 9182

Ion Ratio Lower Upper

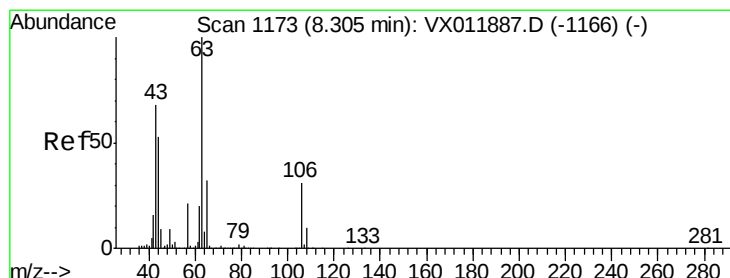
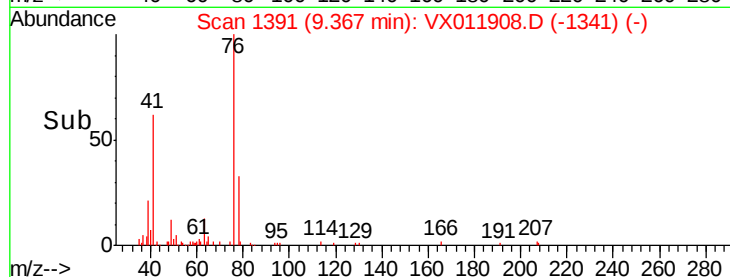
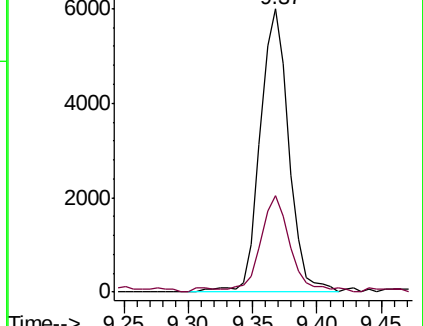
76 100

78 35.6 26.4 39.6



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: 11.280 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011908.D

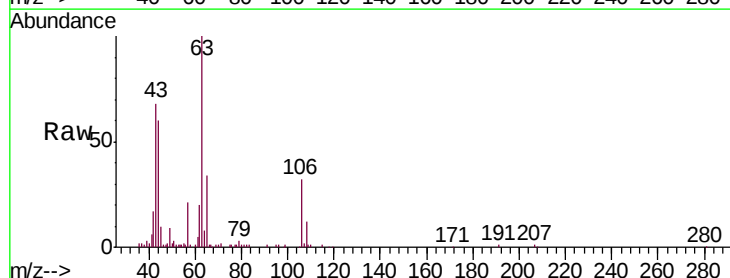
Acq: 30 Aug 2019 14:34

Tgt Ion: 63 Resp: 21173

Ion Ratio Lower Upper

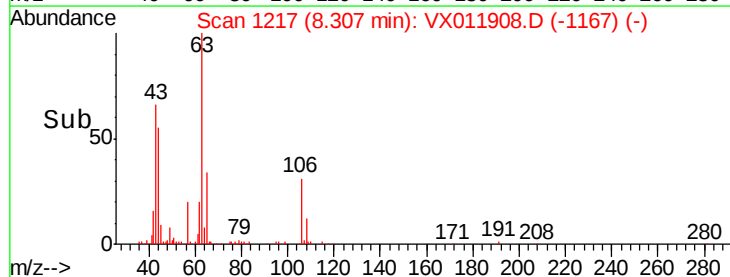
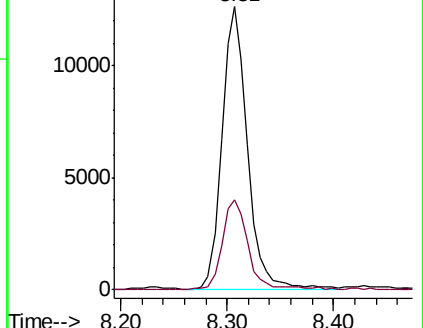
63 100

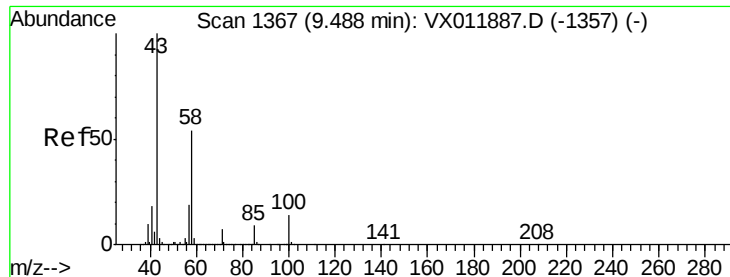
106 32.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

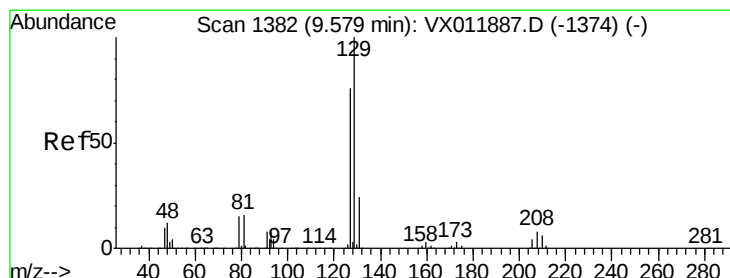
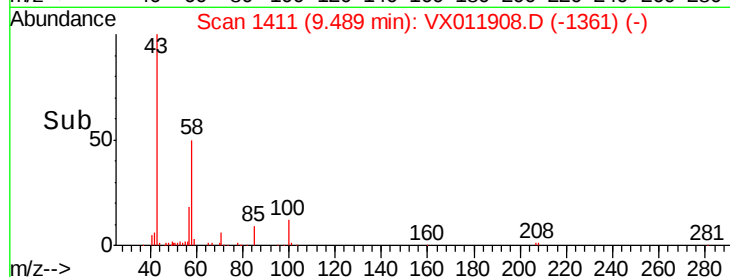
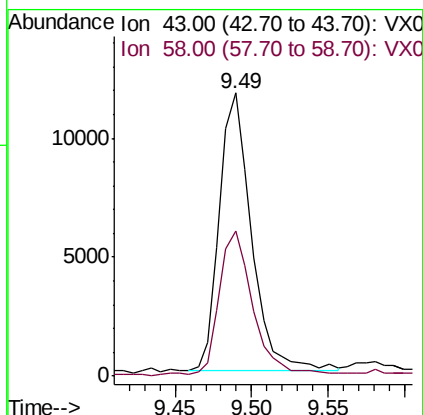
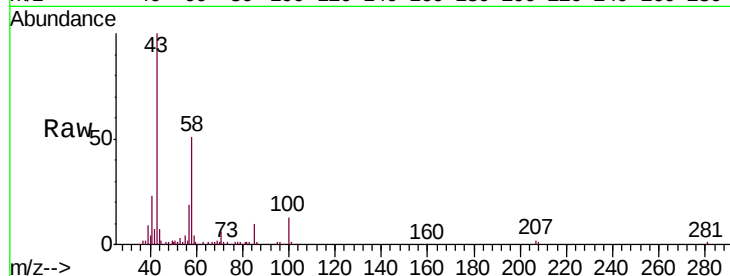




#59
2-Hexanone
Concen: 9.425 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

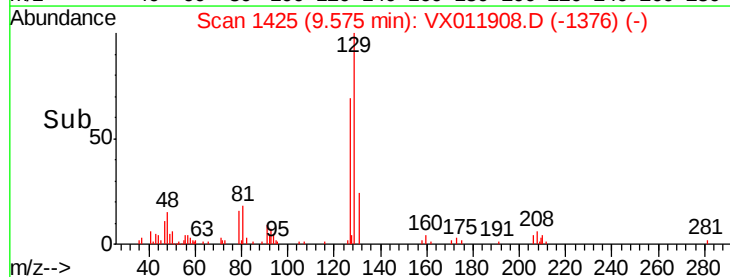
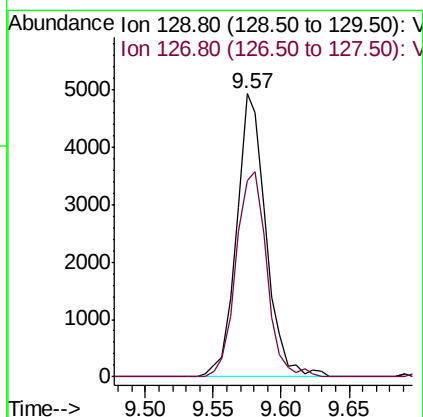
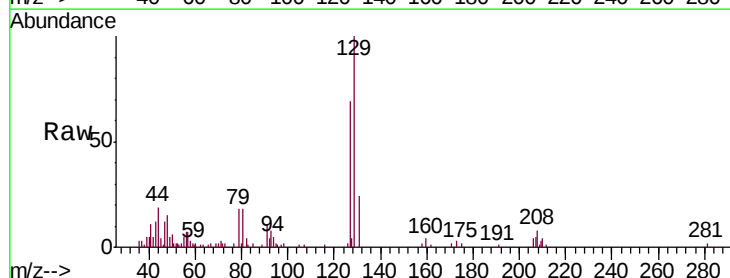
Instrument :
MSVOA_X
ClientSampleId :
MDL05

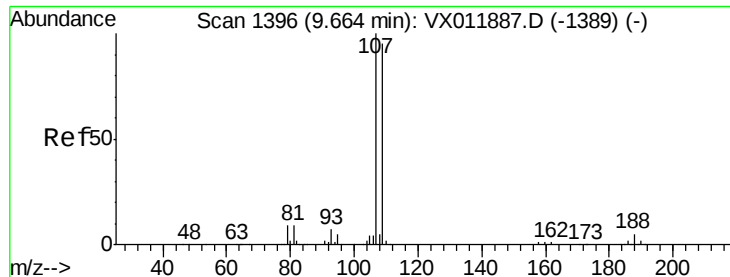
Tgt Ion: 43 Resp: 17086
Ion Ratio Lower Upper
43 100
58 56.8 26.8 80.4



#60
Dibromochloromethane
Concen: 1.939 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 129 Resp: 7393
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 2.000 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

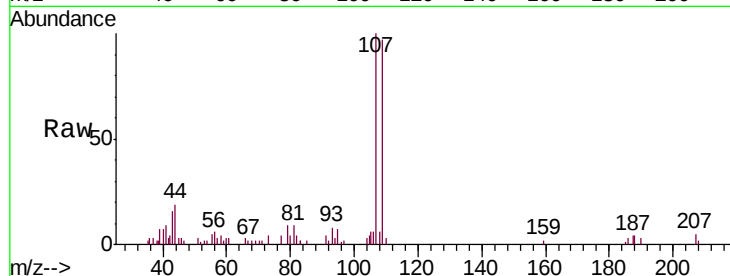
MDL05

Tgt Ion: 107 Resp: 5630

Ion Ratio Lower Upper

107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

4000

3000

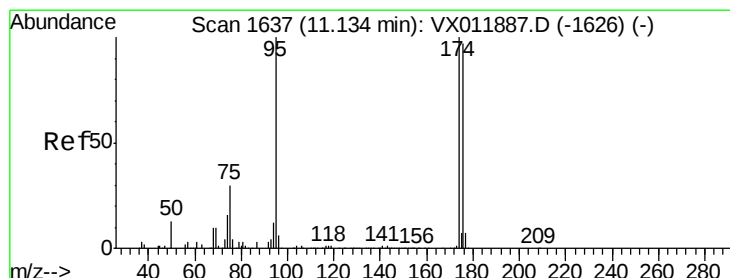
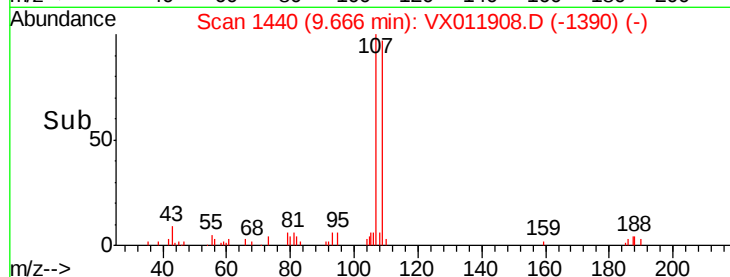
2000

1000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 44.206 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

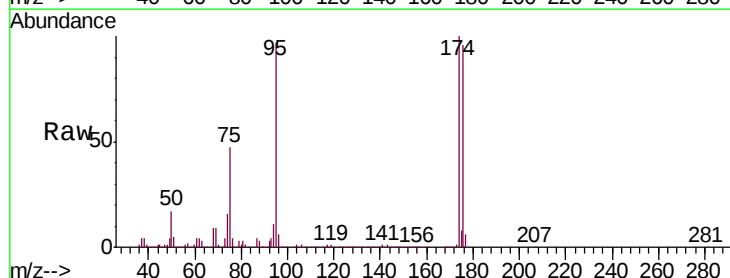
Tgt Ion: 95 Resp: 234854

Ion Ratio Lower Upper

95 100

174 98.5 0.0 196.0

176 95.9 0.0 191.4



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

250000

200000

150000

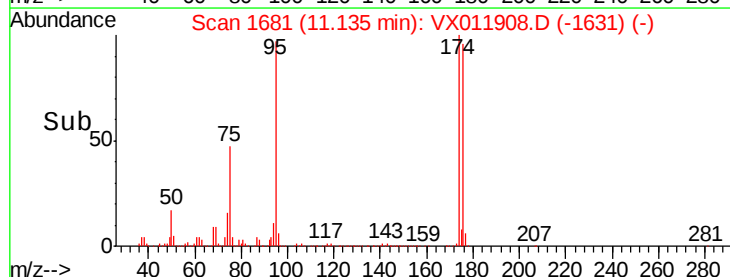
100000

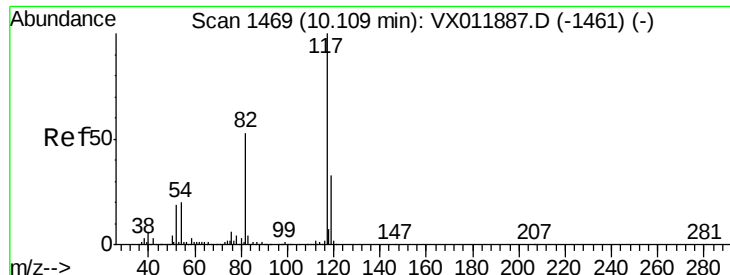
50000

0

11.10 11.14 11.20

Time-->

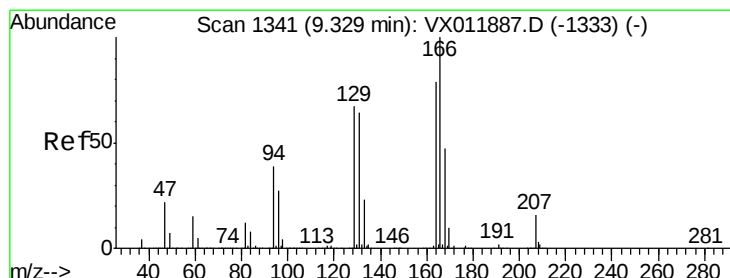
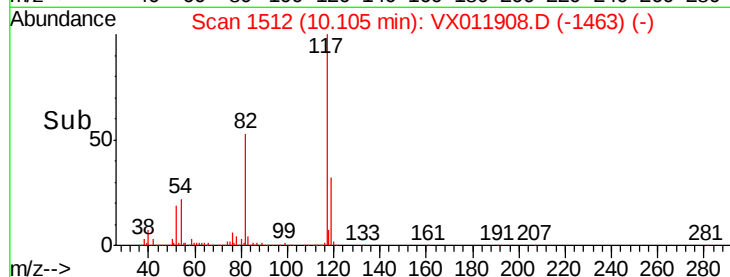
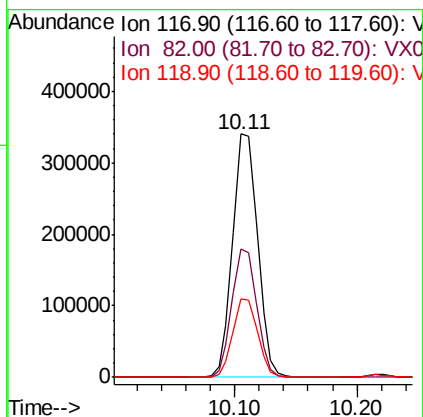
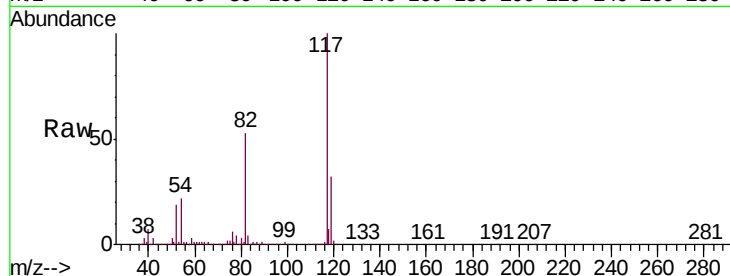




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

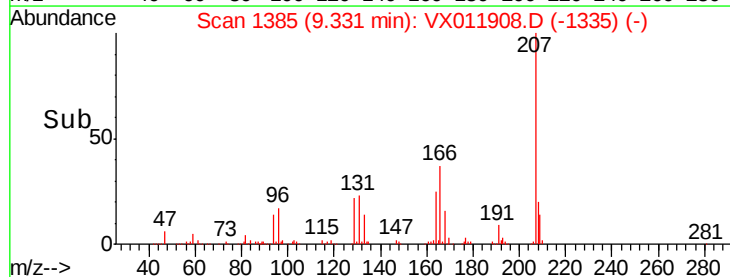
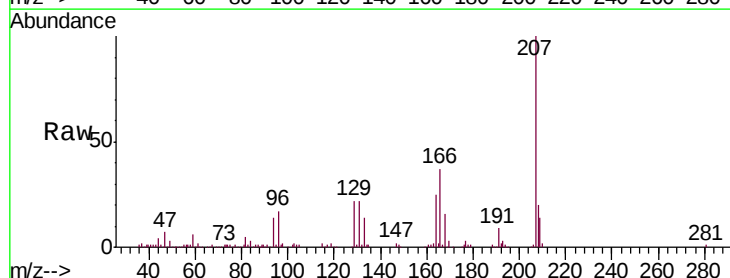
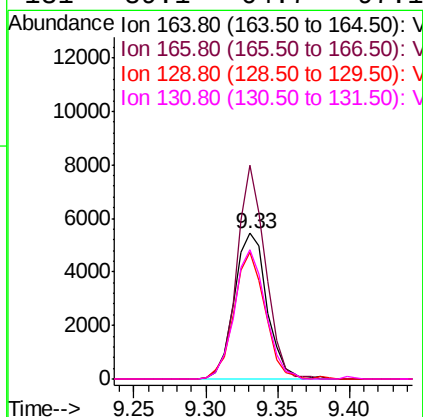
Instrument :
MSVOA_X
ClientSampleId :
MDL05

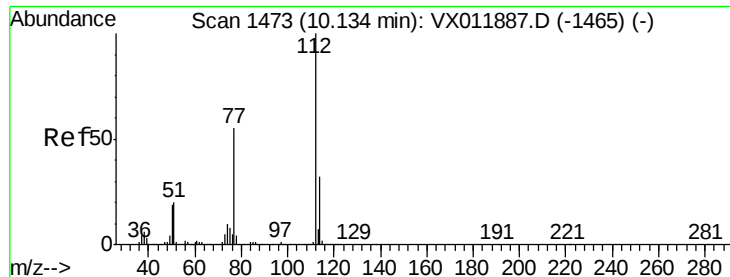
Tgt Ion:117 Resp: 482173
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 2.217 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion:164 Resp: 8597
Ion Ratio Lower Upper
164 100
166 146.7 101.4 152.0
129 87.4 68.0 102.0
131 89.1 64.7 97.1

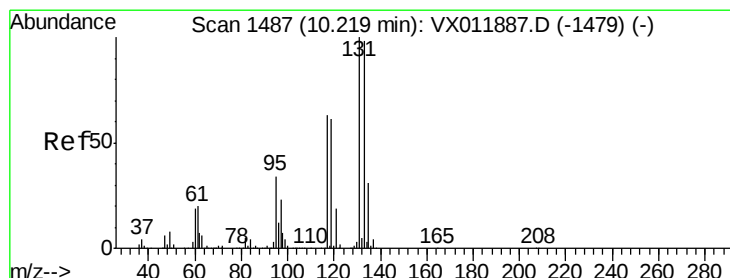
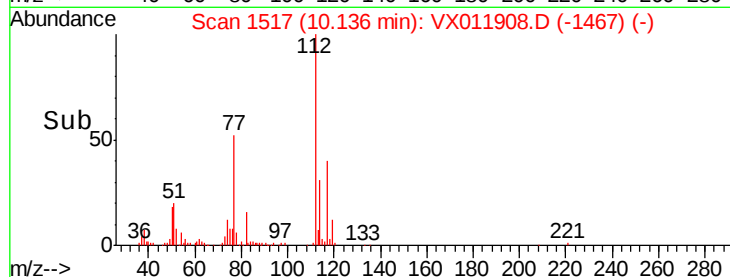
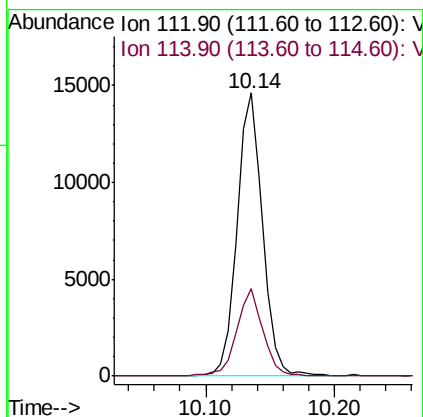
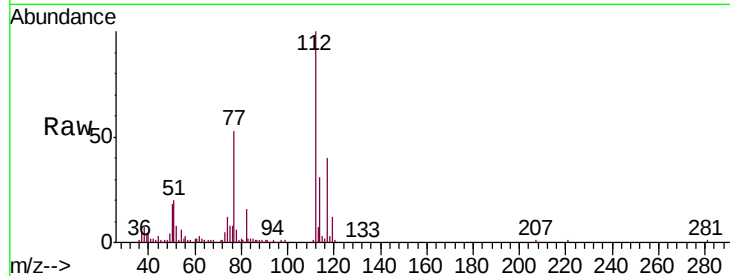




#65
Chlorobenzene
Concen: 2.142 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

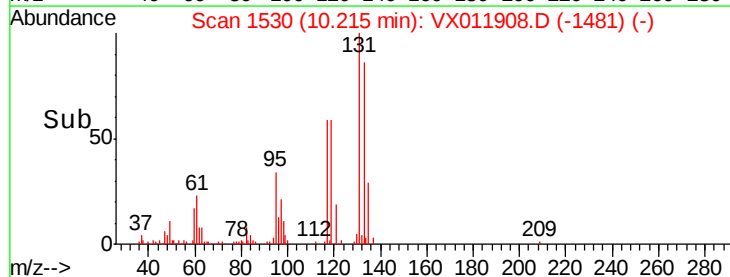
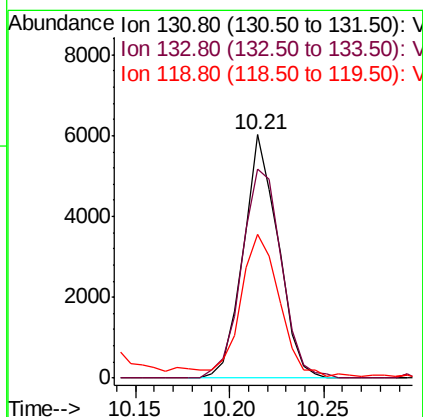
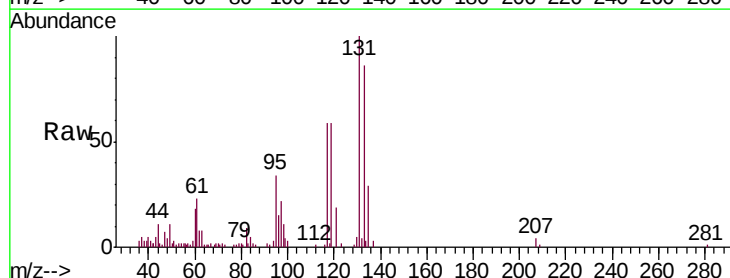
Instrument :
MSVOA_X
ClientSampleId :
MDL05

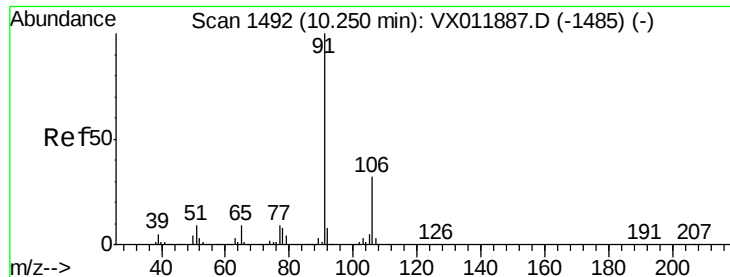
Tgt Ion:112 Resp: 20011
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 2.041 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion:131 Resp: 7711
Ion Ratio Lower Upper
131 100
133 98.7 48.4 145.0
119 64.0 30.6 92.0

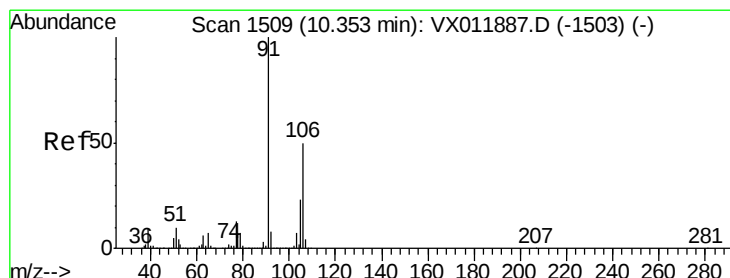
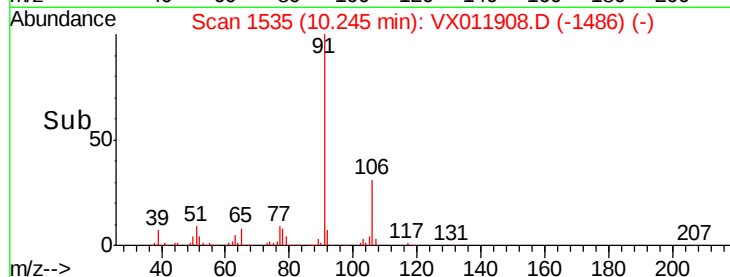
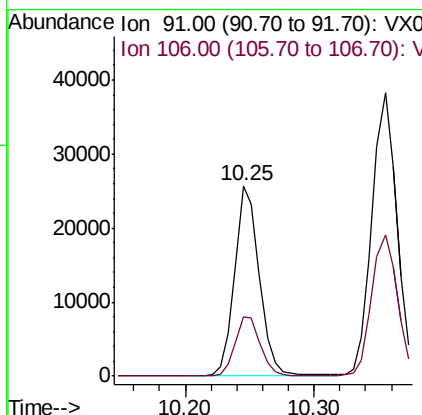
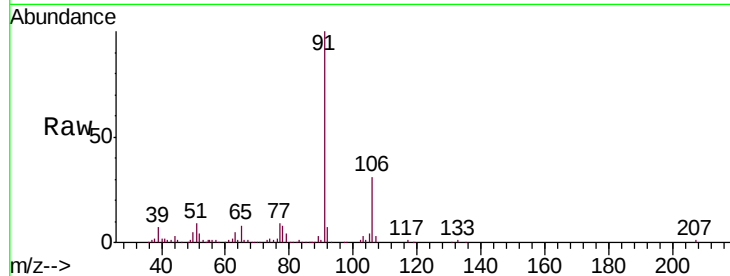




#67
Ethyl Benzene
Concen: 2.163 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

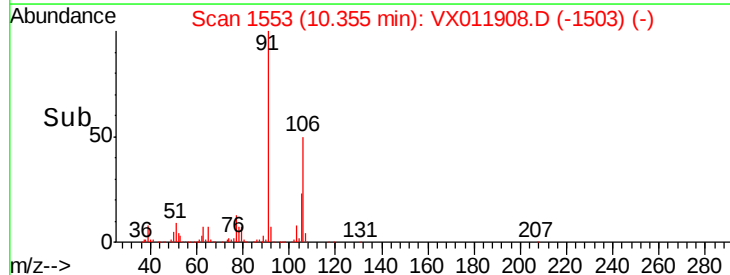
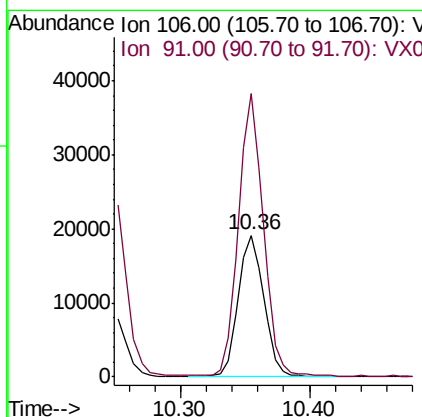
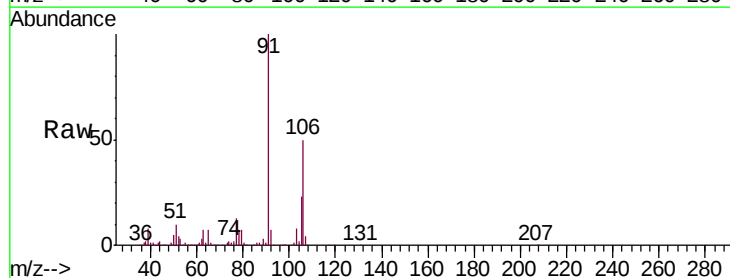
Instrument :
MSVOA_X
ClientSampleId :
MDL05

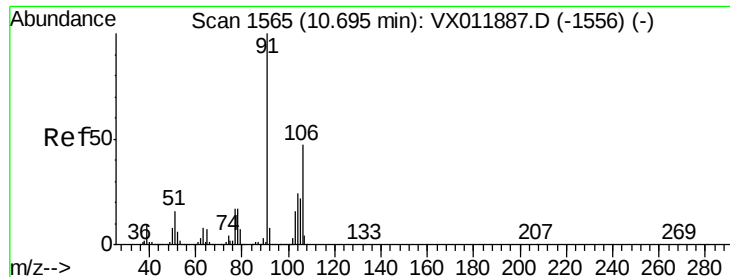
Tgt Ion: 91 Resp: 34374
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



#68
m/p-Xylenes
Concen: 4.275 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion: 106 Resp: 26236
Ion Ratio Lower Upper
106 100
91 194.2 158.6 237.8

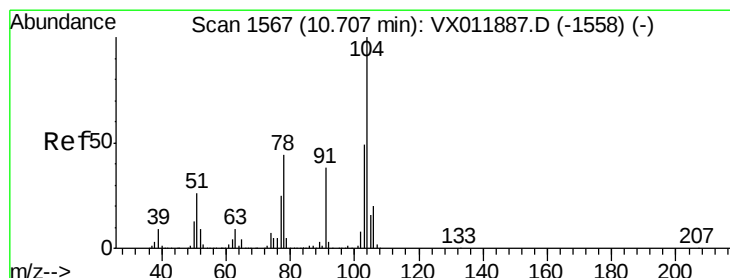
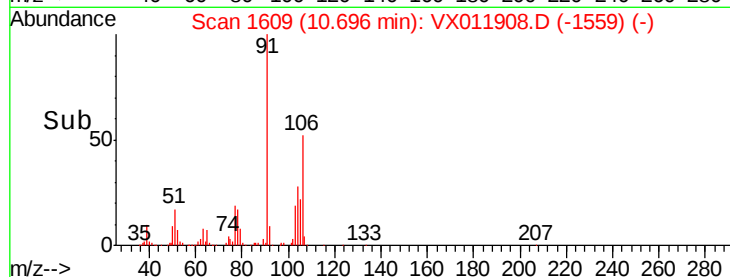
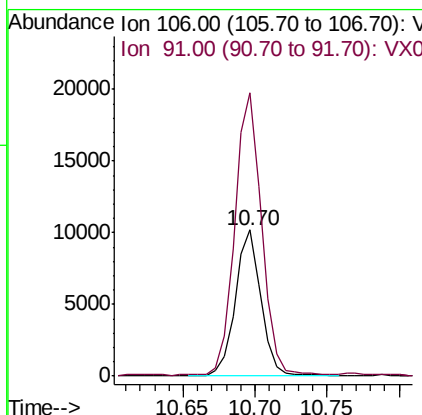
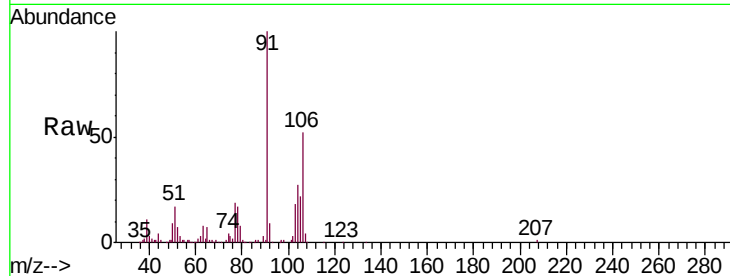




#69
o-Xylene
Concen: 2.129 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

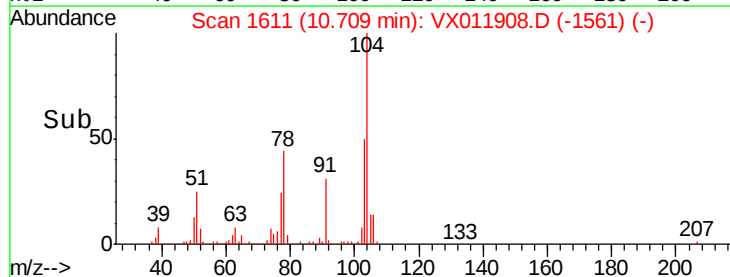
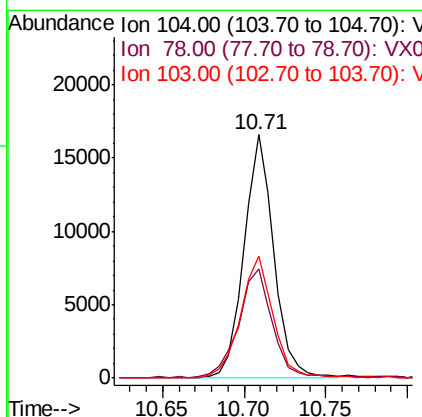
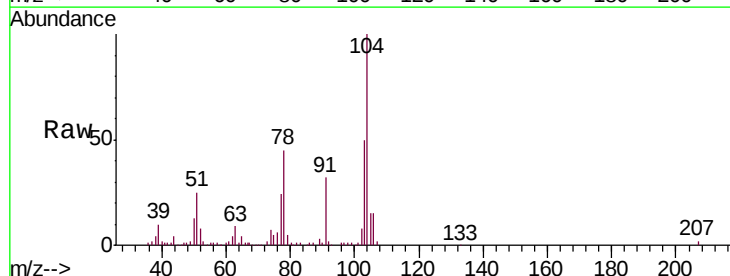
Instrument :
MSVOA_X
ClientSampleId :
MDL05

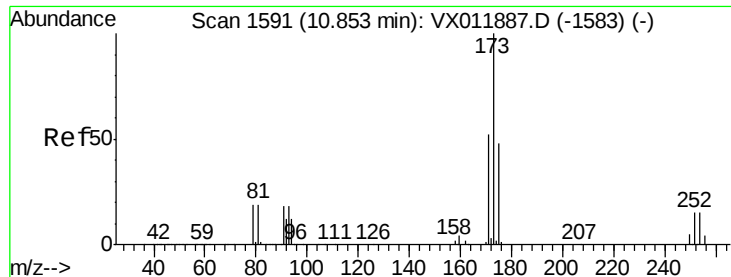
Tgt Ion:106 Resp: 12735
Ion Ratio Lower Upper
106 100
91 199.3 104.8 314.6



#70
Styrene
Concen: 2.004 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion:104 Resp: 21125
Ion Ratio Lower Upper
104 100
78 51.7 39.2 58.8
103 55.0 43.0 64.6





#71

Bromoform

Concen: 1.932 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

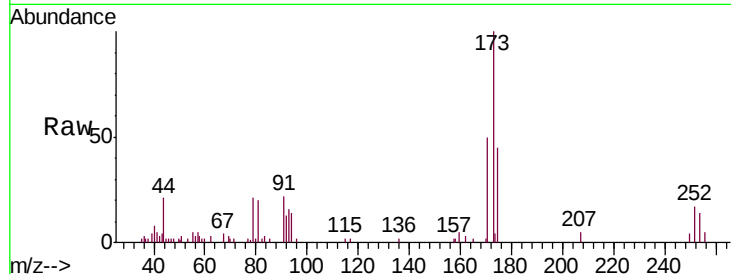
Tgt Ion:173 Resp: 5163

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.2

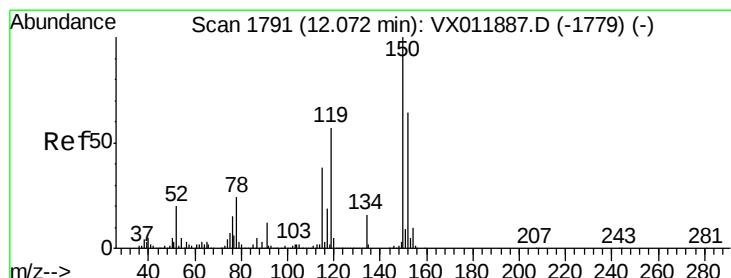
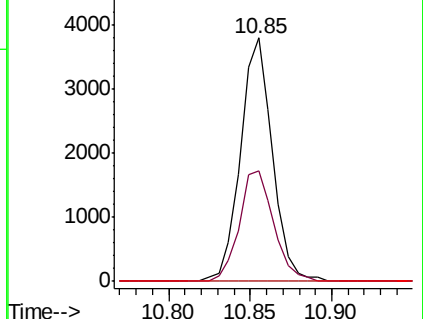
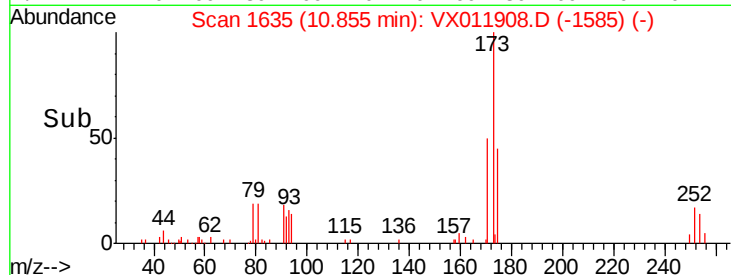
254 0.0 0.1 0.1#



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

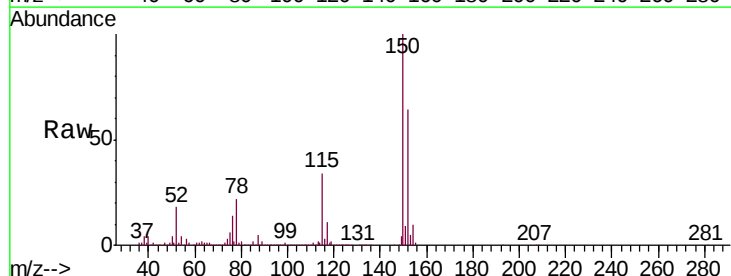
Tgt Ion:152 Resp: 276226

Ion Ratio Lower Upper

152 100

115 54.4 37.1 111.3

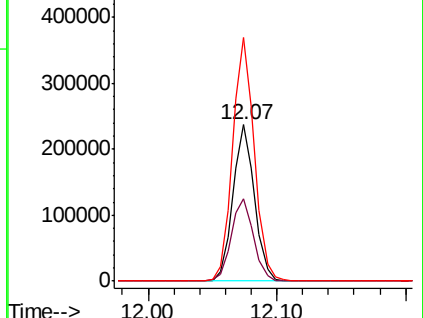
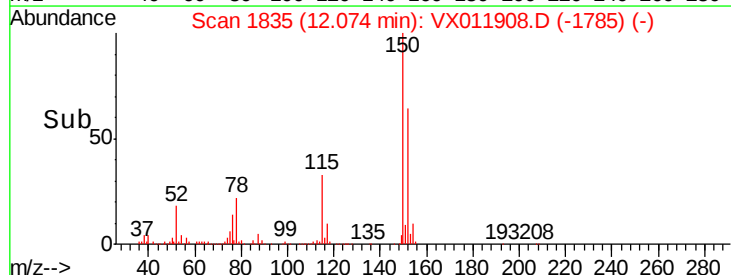
150 156.7 0.0 339.6

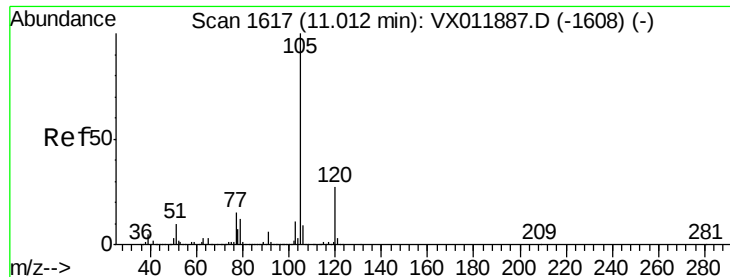


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.152 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

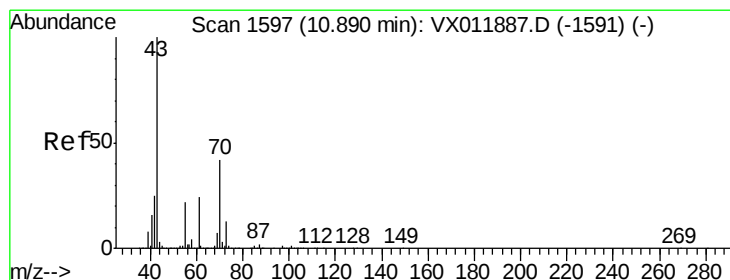
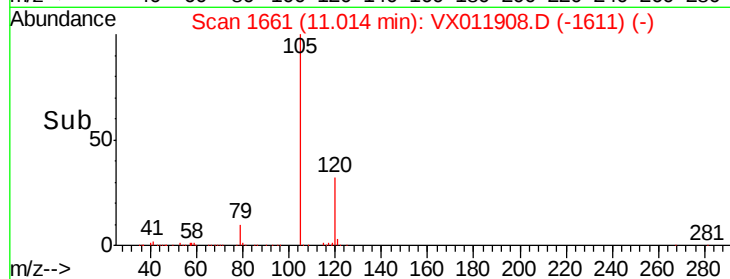
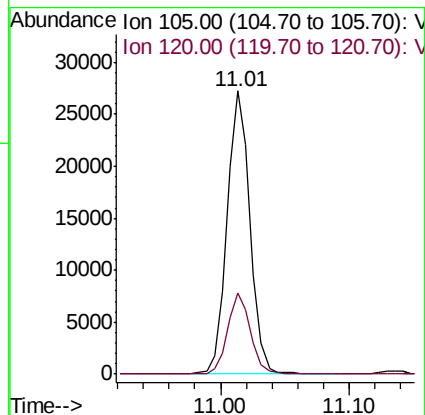
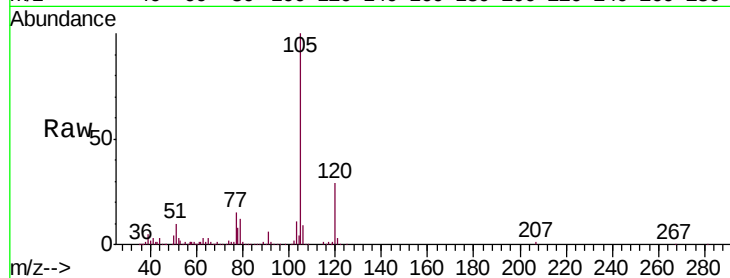
MDL05

Tgt Ion: 105 Resp: 34156

Ion Ratio Lower Upper

105 100

120 28.4 13.8 41.4



#74

N-ethyl acetate

Concen: 2.040 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Tgt Ion: 43 Resp: 9607

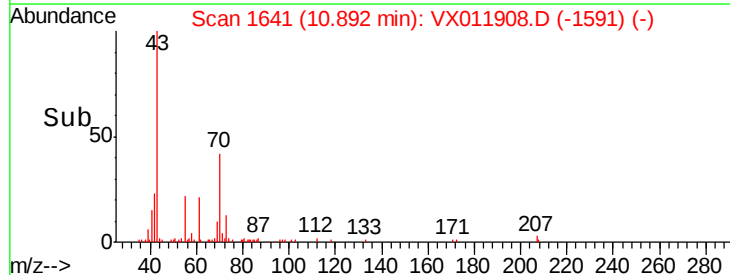
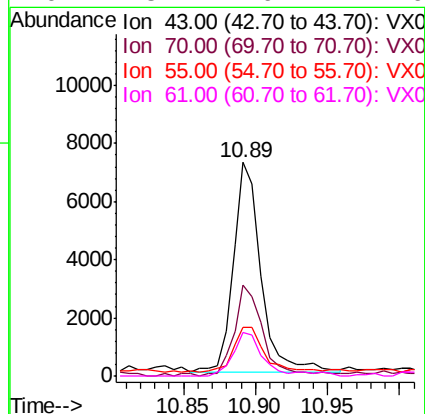
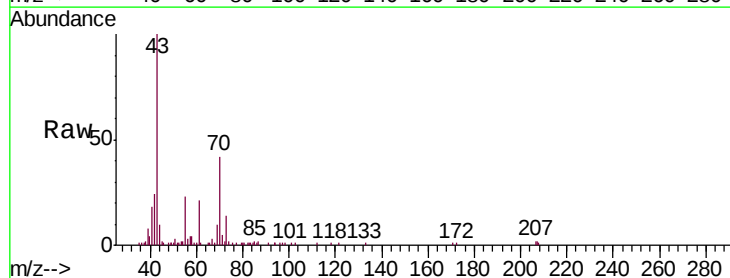
Ion Ratio Lower Upper

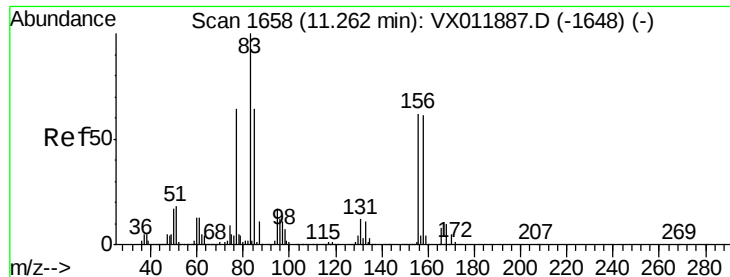
43 100

70 45.8 0.2 0.2#

55 23.6 0.1 0.1#

61 23.7 16.4 24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.112 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

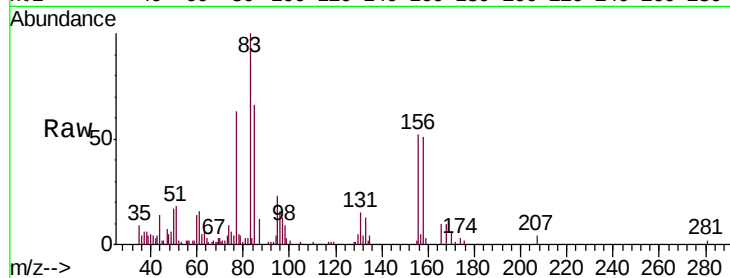
Tgt Ion: 83 Resp: 6860

Ion Ratio Lower Upper

83 100

131 14.7 6.0 18.0

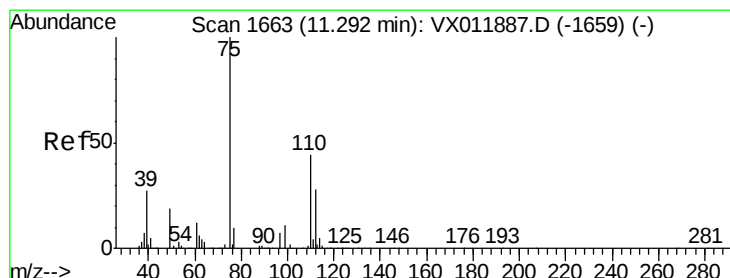
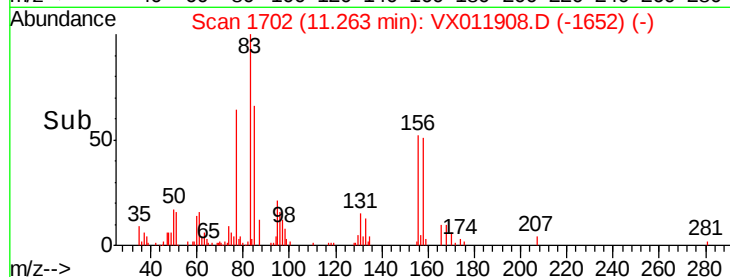
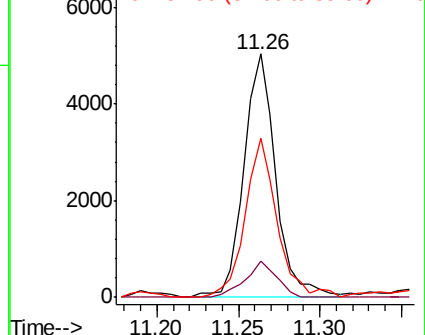
85 65.8 31.9 95.9



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: 2.091 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011908.D

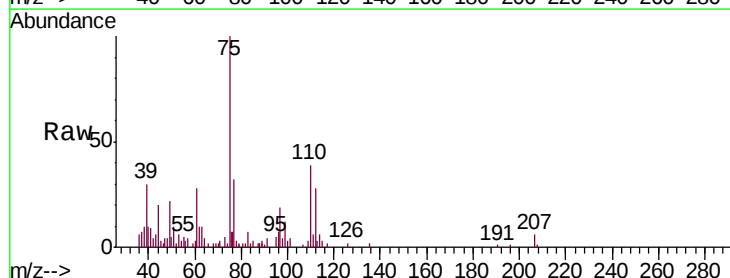
Acq: 30 Aug 2019 14:34

Tgt Ion: 75 Resp: 5682

Ion Ratio Lower Upper

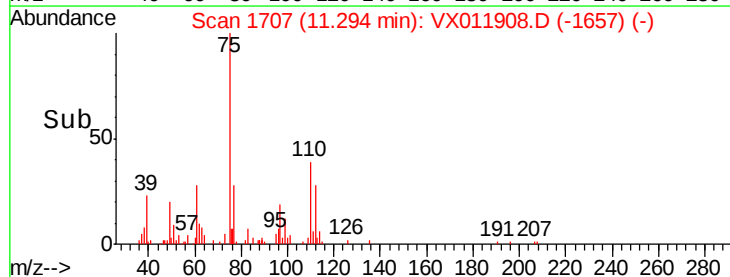
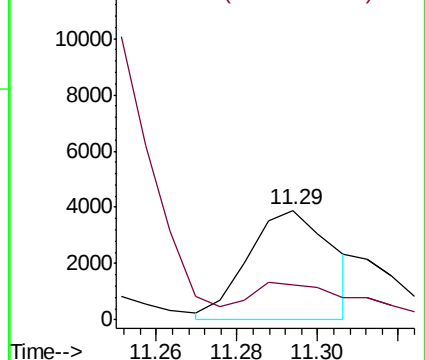
75 100

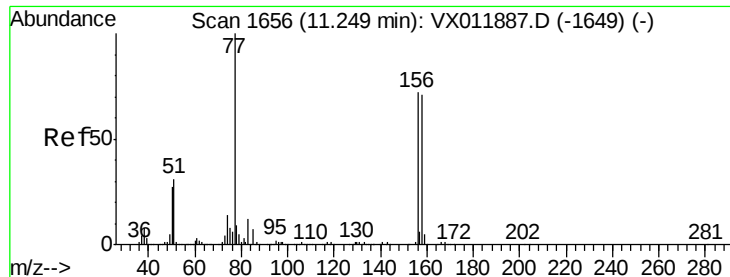
77 37.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.132 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

MDL05

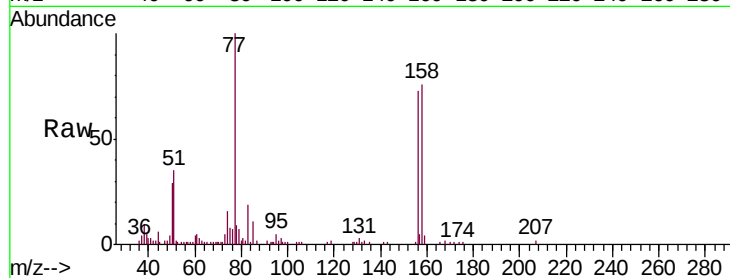
Tgt Ion:156 Resp: 9812

Ion Ratio Lower Upper

156 100

77 137.8 68.1 204.3

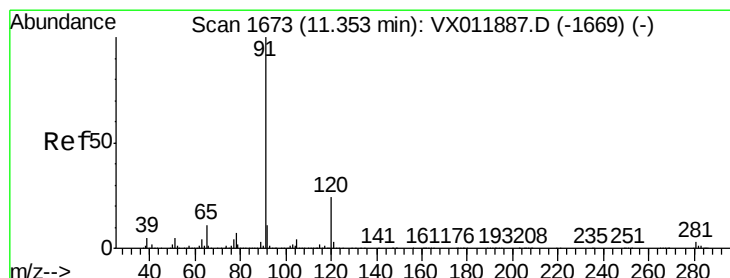
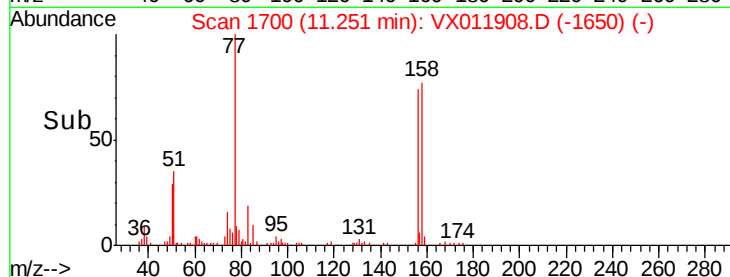
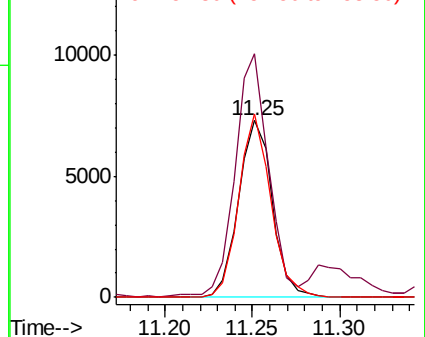
158 98.7 48.9 146.8



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: 2.191 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011908.D

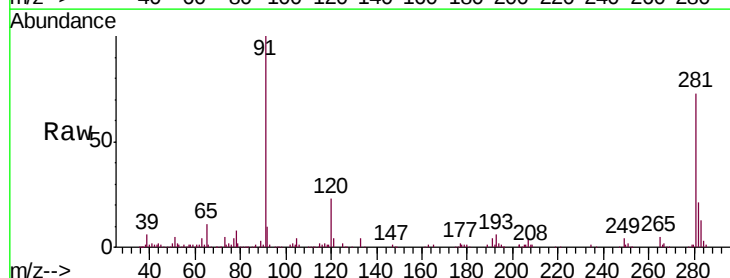
Acq: 30 Aug 2019 14:34

Tgt Ion: 91 Resp: 39430

Ion Ratio Lower Upper

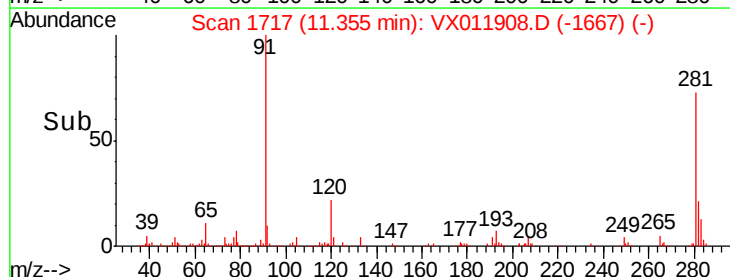
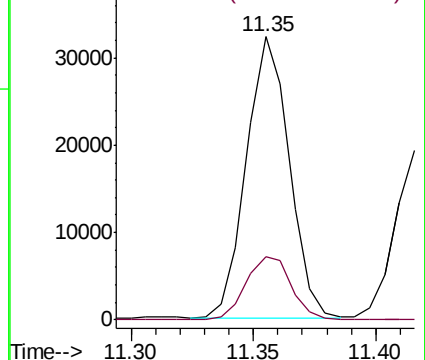
91 100

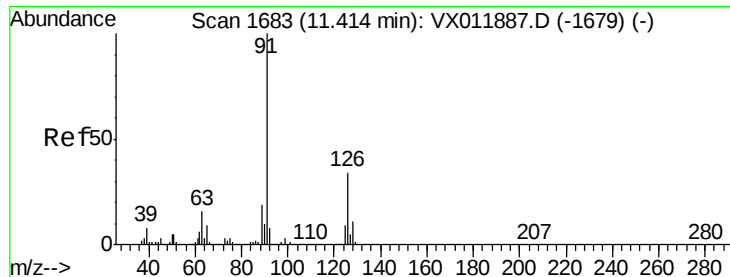
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.141 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

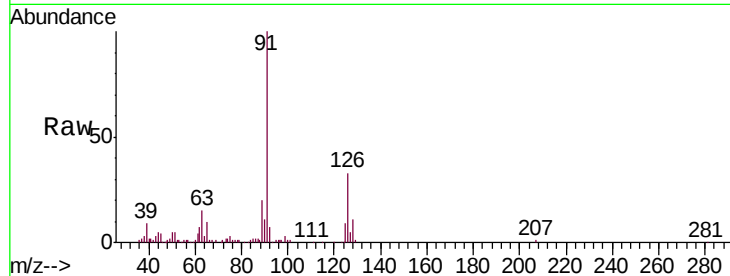
MDL05

Tgt Ion: 91 Resp: 23193

Ion Ratio Lower Upper

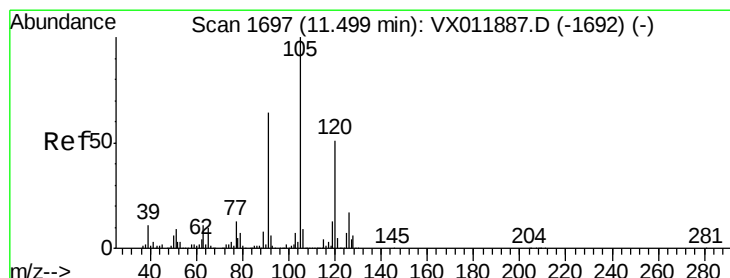
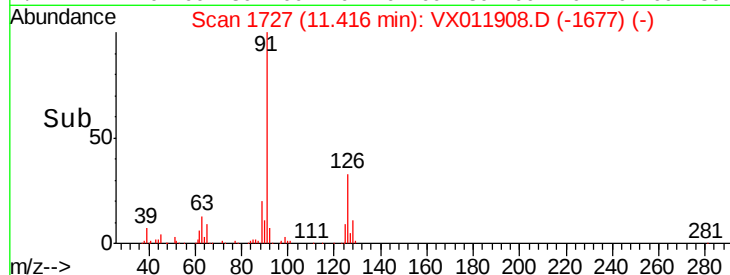
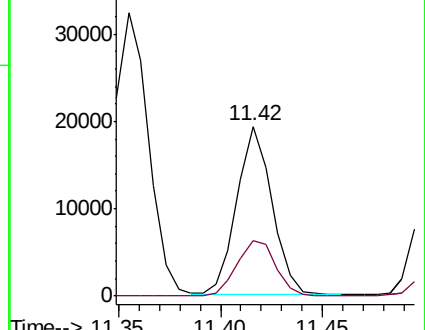
91 100

126 36.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.112 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011908.D

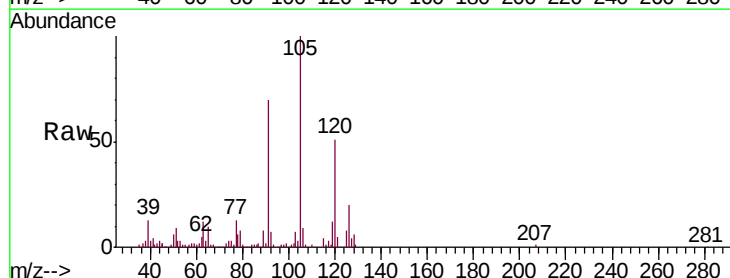
Acq: 30 Aug 2019 14:34

Tgt Ion: 105 Resp: 28928

Ion Ratio Lower Upper

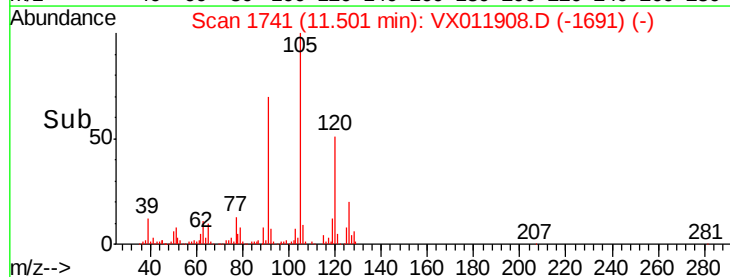
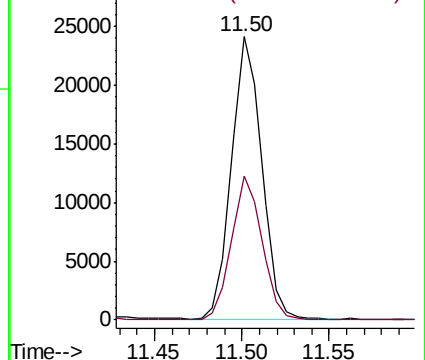
105 100

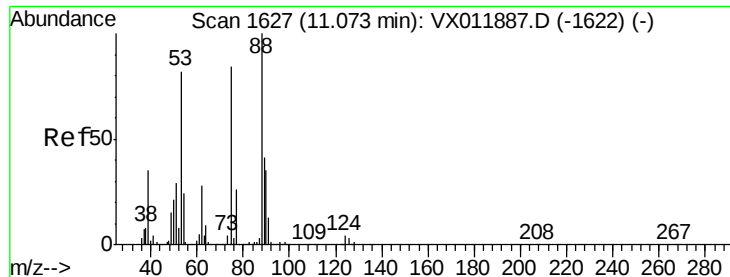
120 51.8 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 2.103 ug/l m

RT: 11.07 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

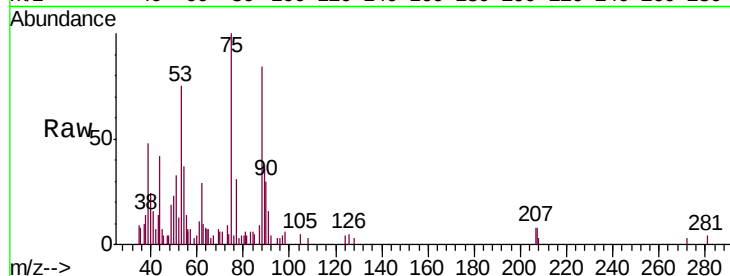
Tgt Ion: 75 Resp: 2275

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

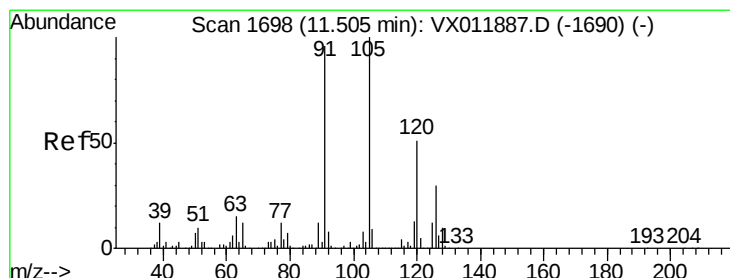
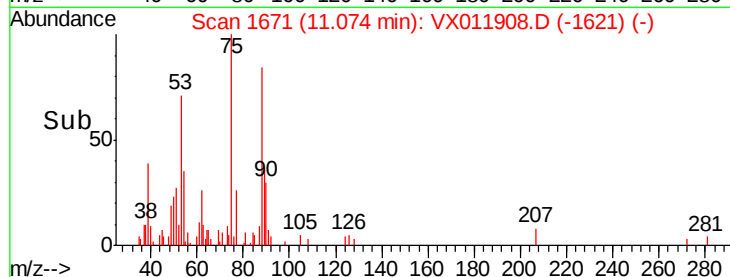
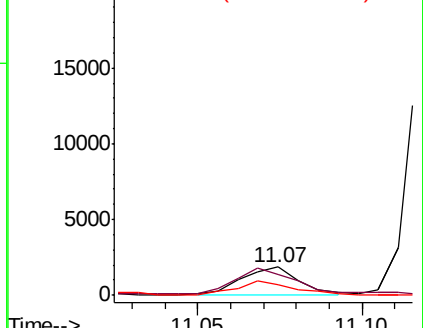
89 2.7 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.129 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX011908.D

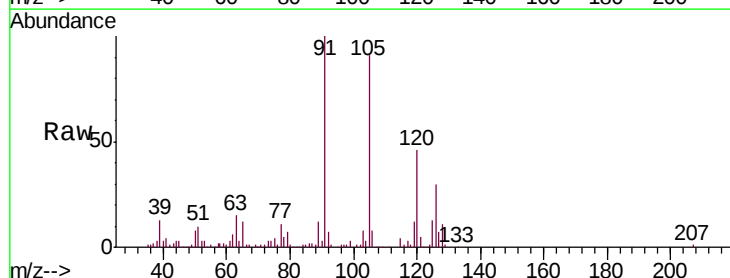
Acq: 30 Aug 2019 14:34

Tgt Ion: 91 Resp: 27828

Ion Ratio Lower Upper

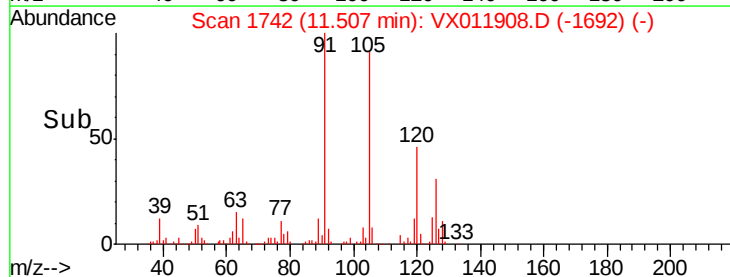
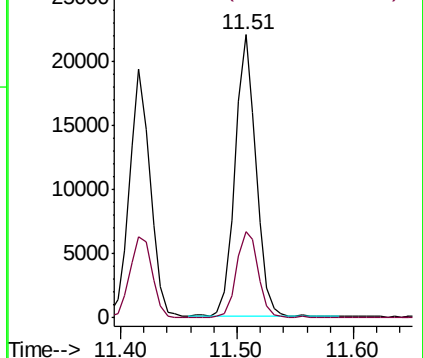
91 100

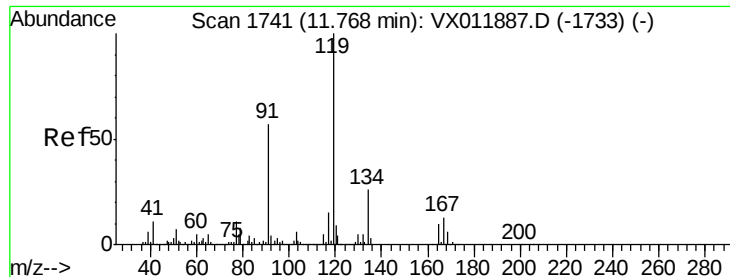
126 31.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

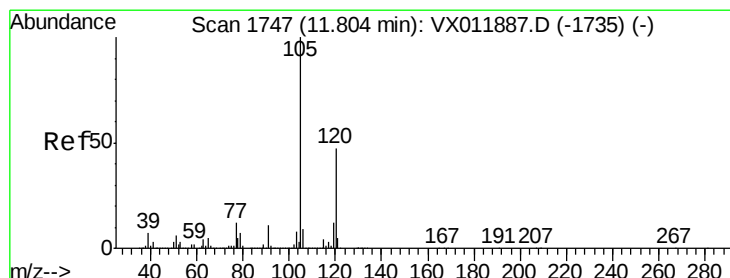
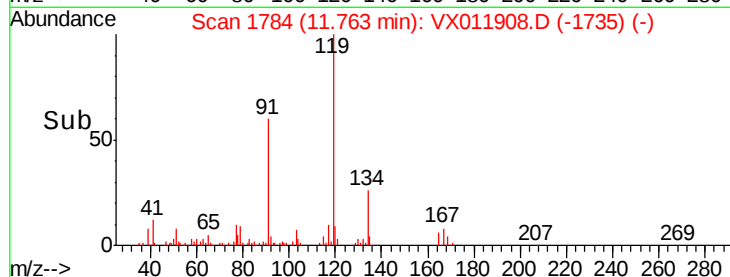
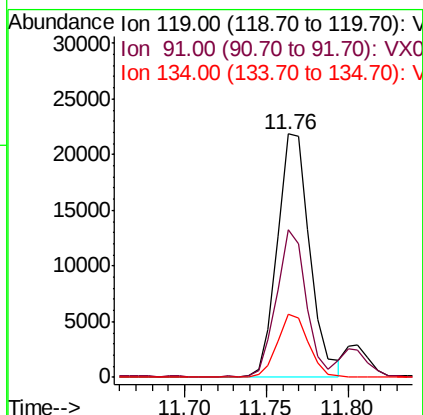
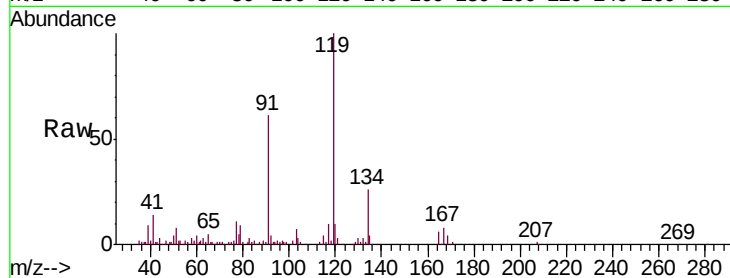




#83
tert-Butylbenzene
Concen: 2.195 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

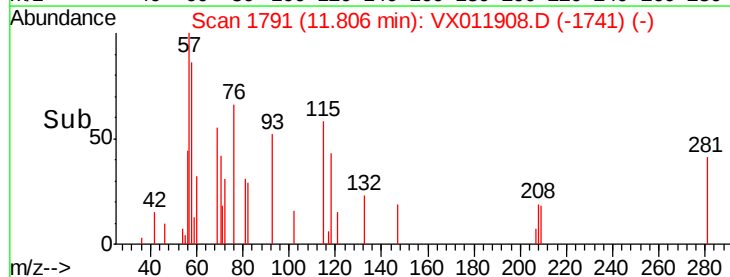
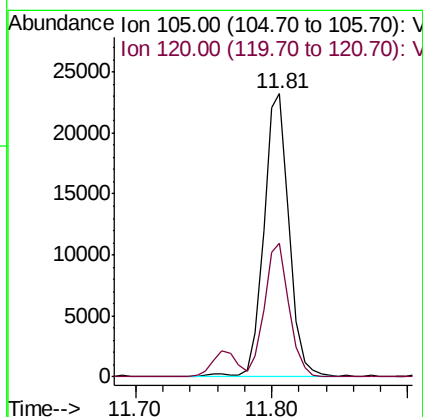
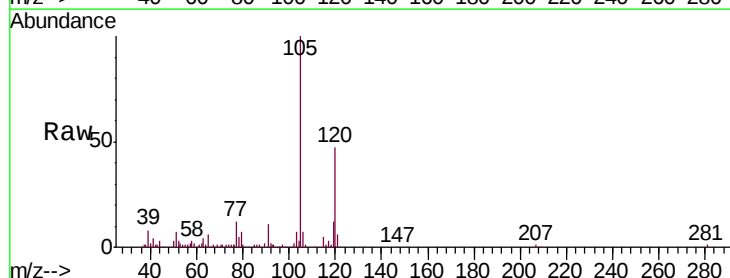
Instrument :
MSVOA_X
ClientSampleId :
MDL05

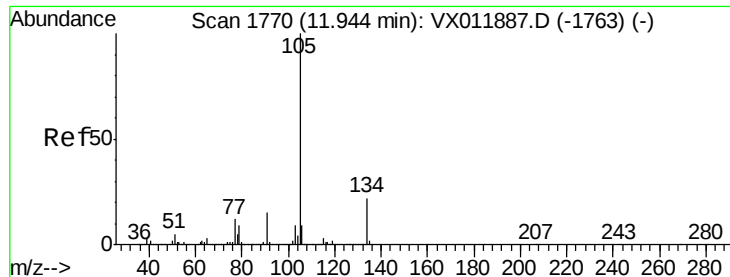
Tgt Ion:119 Resp: 30516
Ion Ratio Lower Upper
119 100
91 54.9 27.9 83.6
134 24.9 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 2.151 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Tgt Ion:105 Resp: 30193
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 2.179 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

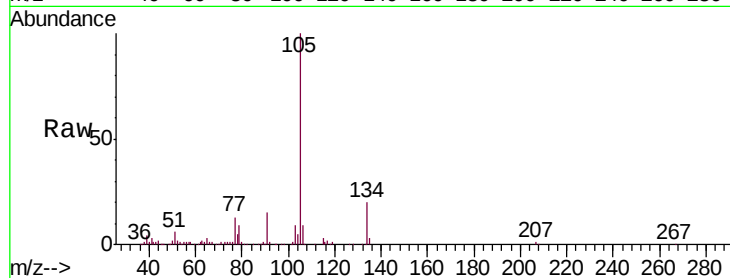
MDL05

Tgt Ion:105 Resp: 35181

Ion Ratio Lower Upper

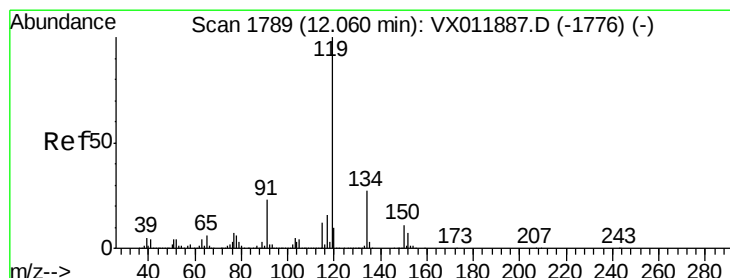
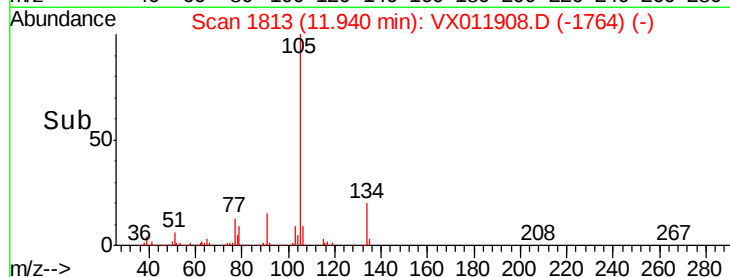
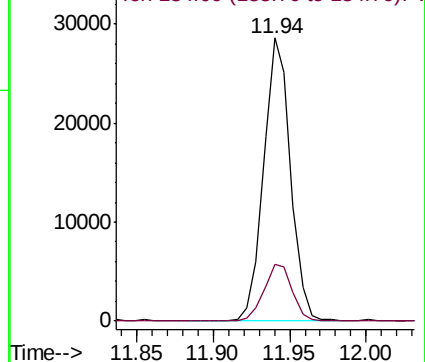
105 100

134 21.2 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.155 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

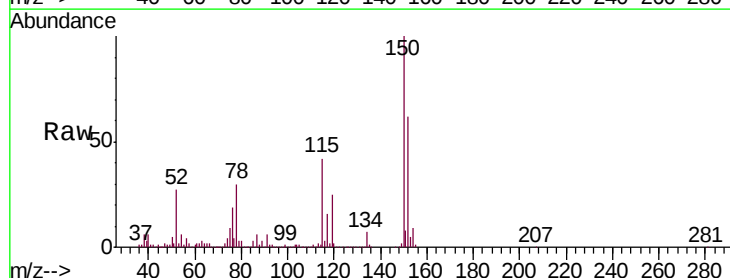
Tgt Ion:119 Resp: 33736

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

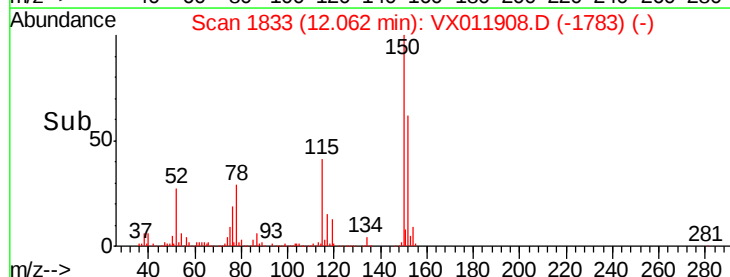
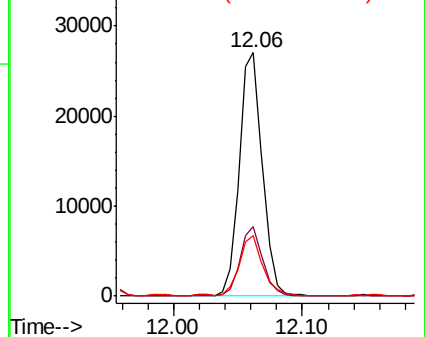
91 25.1 11.6 34.7

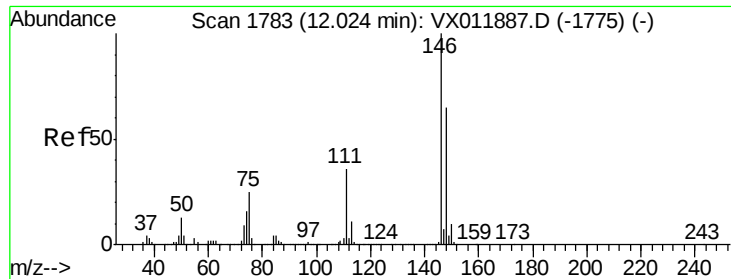


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

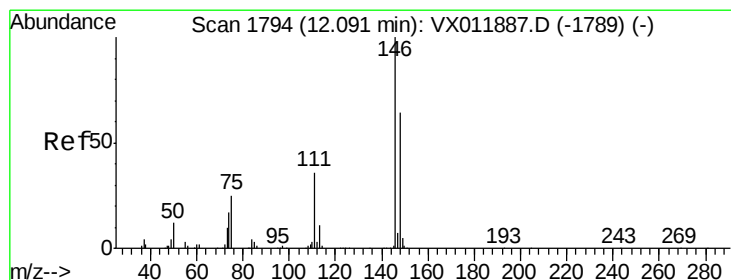
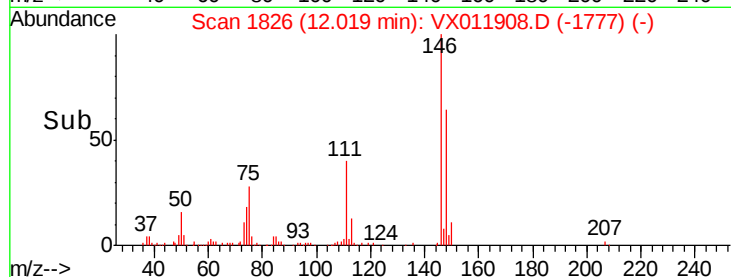
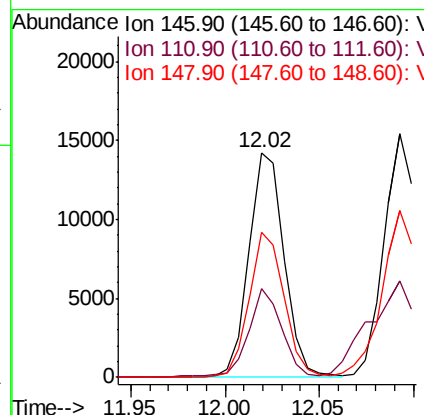
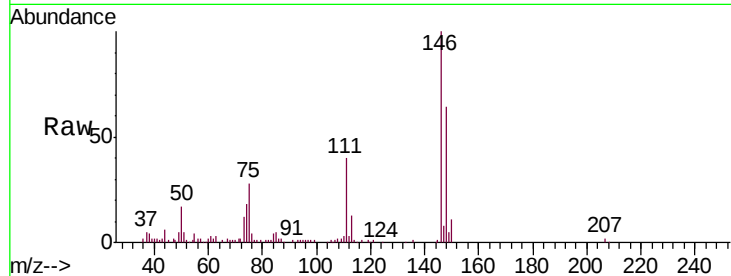




#87
 1,3-Dichlorobenzene
 Concen: 2.159 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

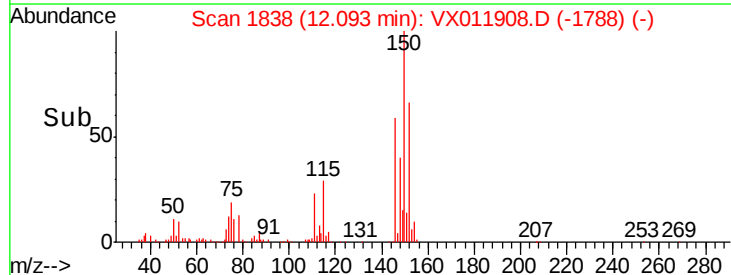
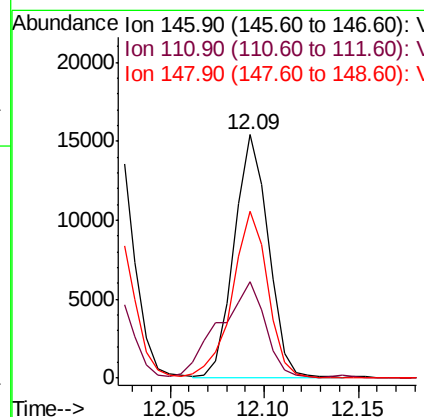
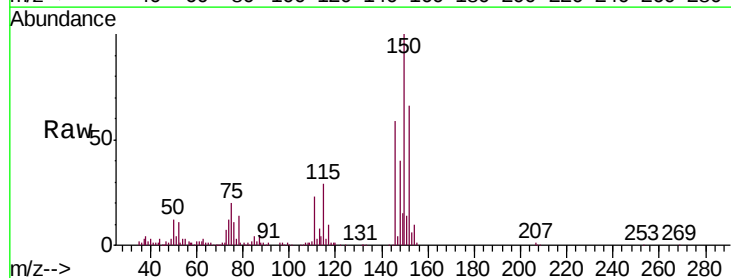
Instrument :
 MSVOA_X
 ClientSampled :
 MDL05

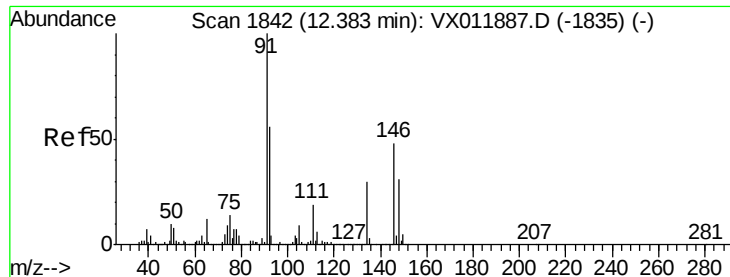
Tgt Ion:146 Resp: 18471
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.4 55.2
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.259 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion:146 Resp: 19537
 Ion Ratio Lower Upper
 146 100
 111 52.3 17.9 53.7
 148 71.4 32.4 97.0





#89

n-Butylbenzene

Concen: 2.199 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

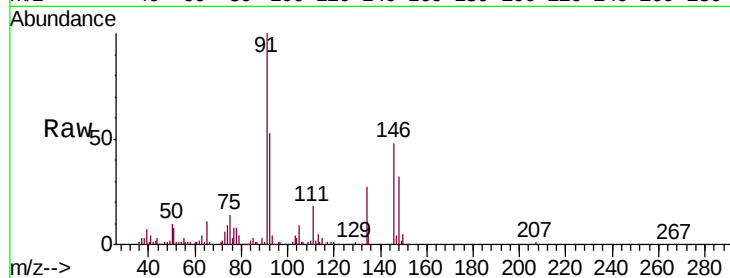
Tgt Ion: 91 Resp: 30453

Ion Ratio Lower Upper

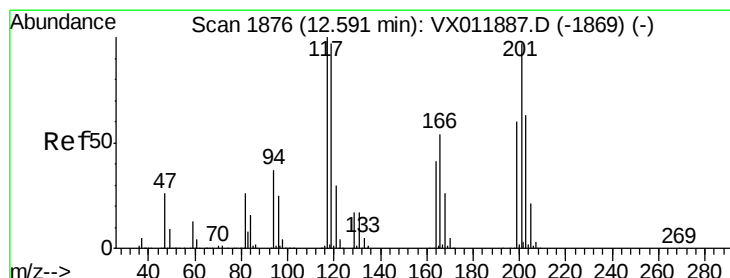
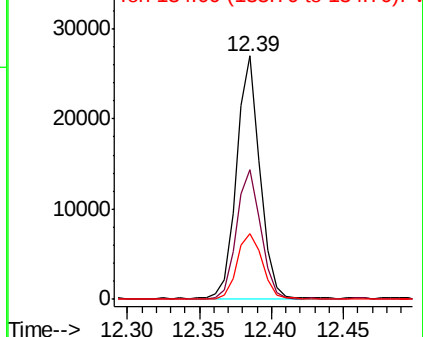
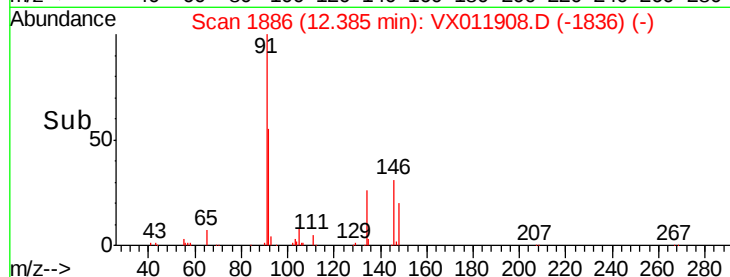
91 100

92 55.5 27.6 82.8

134 29.4 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX011908.D (-1836) (-)



#90

Hexachloroethane

Concen: 2.109 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011908.D

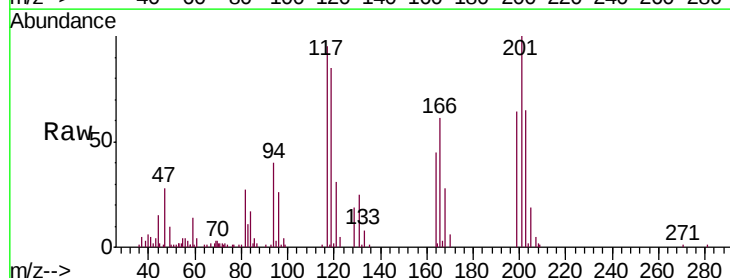
Acq: 30 Aug 2019 14:34

Tgt Ion: 117 Resp: 6389

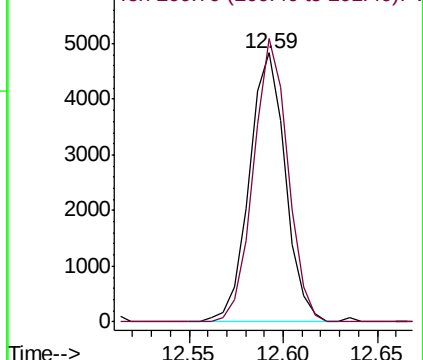
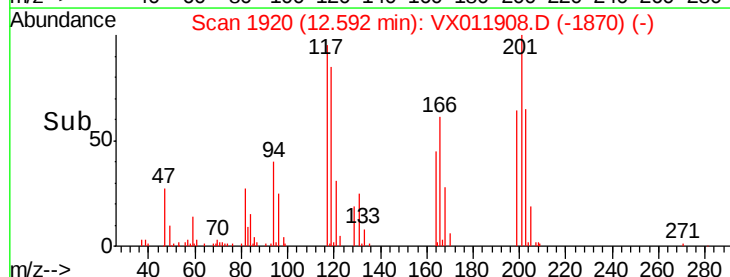
Ion Ratio Lower Upper

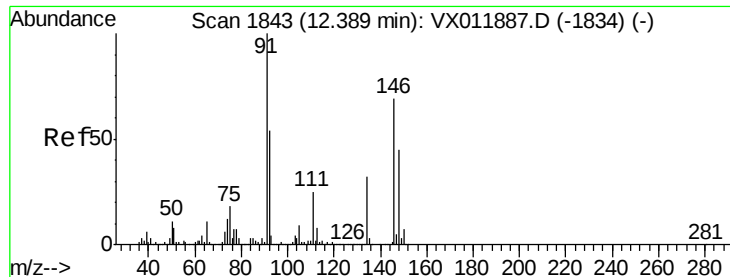
117 100

201 100.5 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): VX011908.D (-1870) (-)





#91

1,2-Dichlorobenzene

Concen: 2.146 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

MDL05

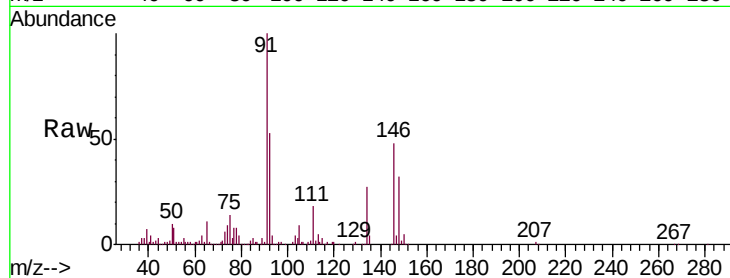
Tgt Ion:146 Resp: 17067

Ion Ratio Lower Upper

146 100

111 38.1 18.9 56.5

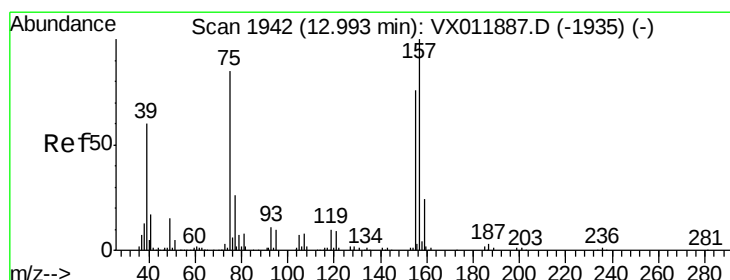
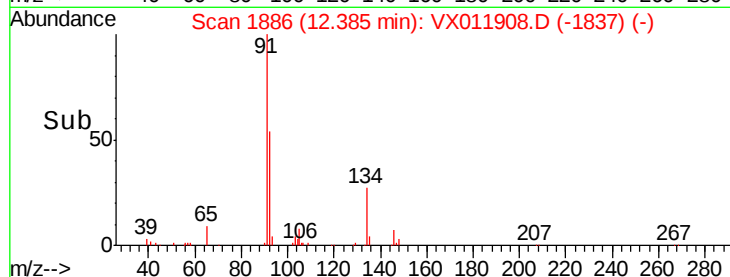
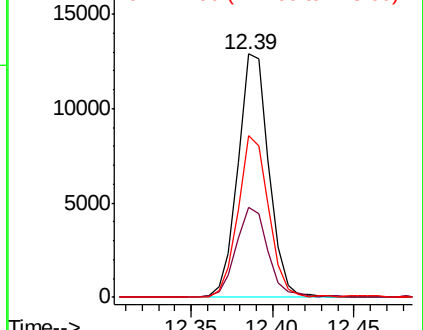
148 65.9 32.1 96.3



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: 2.159 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

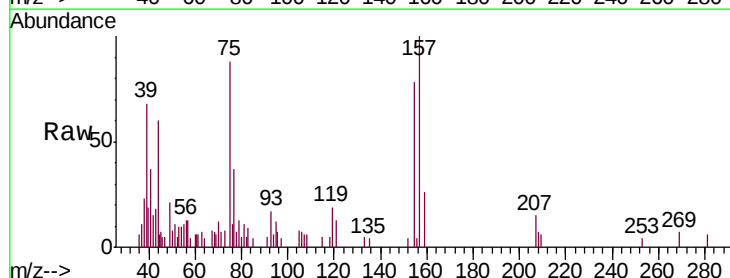
Tgt Ion: 75 Resp: 1397

Ion Ratio Lower Upper

75 100

155 98.3 50.1 150.4

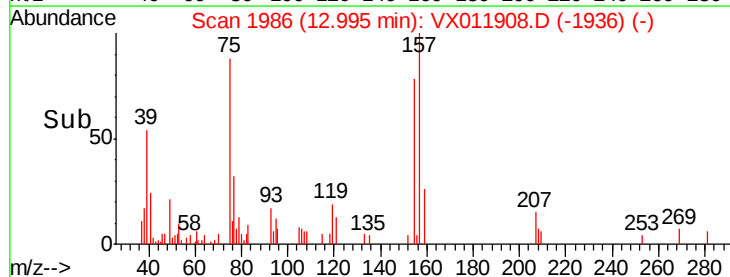
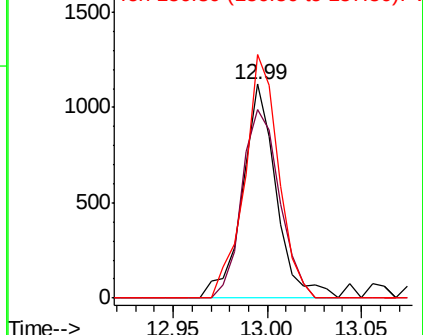
157 114.2 63.9 191.7

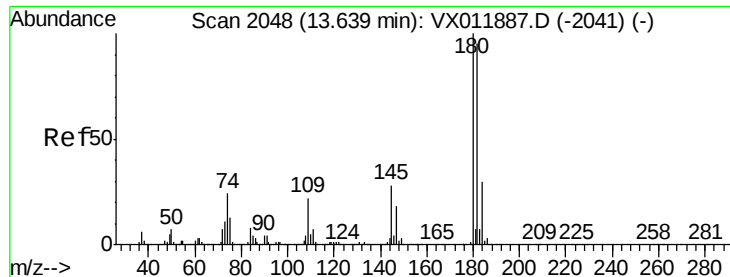


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

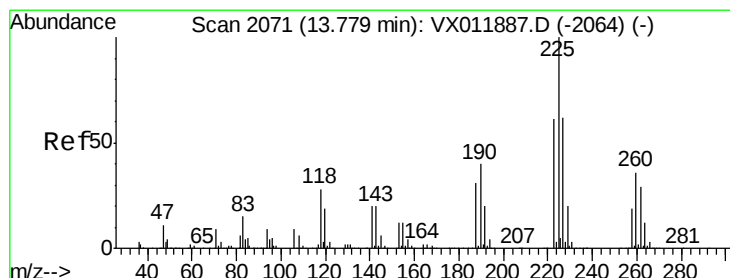
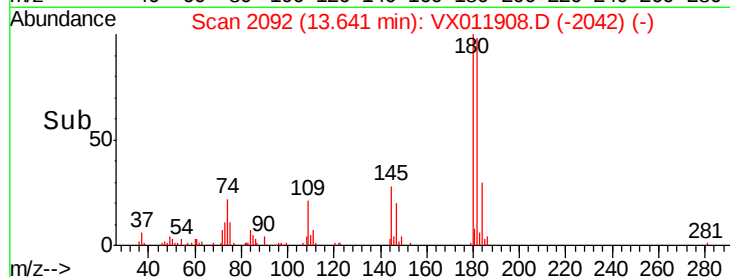
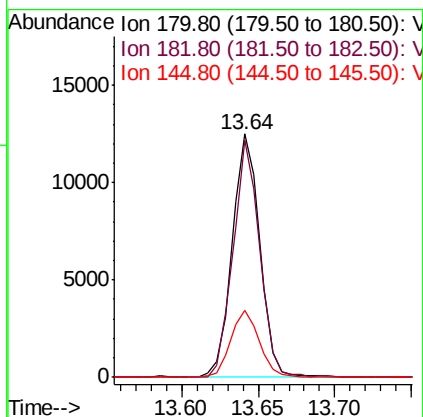
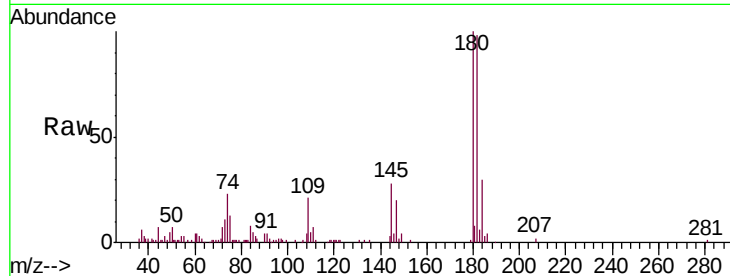




#93
 1,2,4-Trichlorobenzene
 Concen: 2.332 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

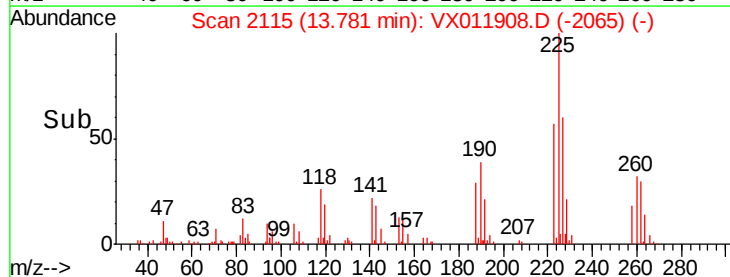
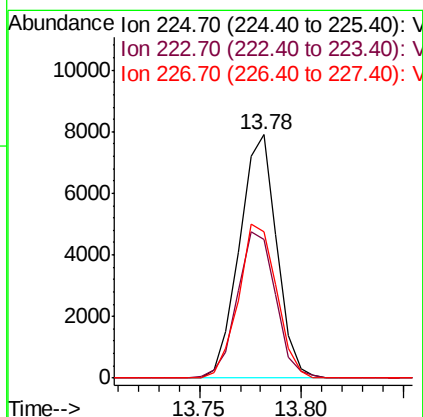
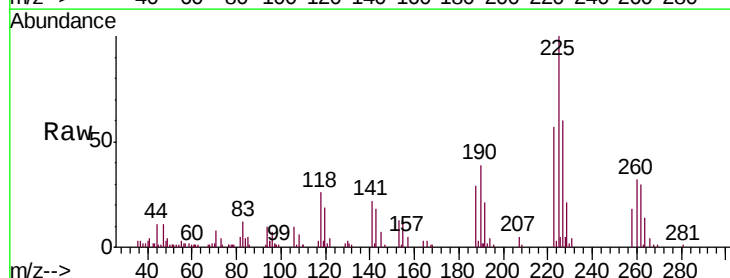
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

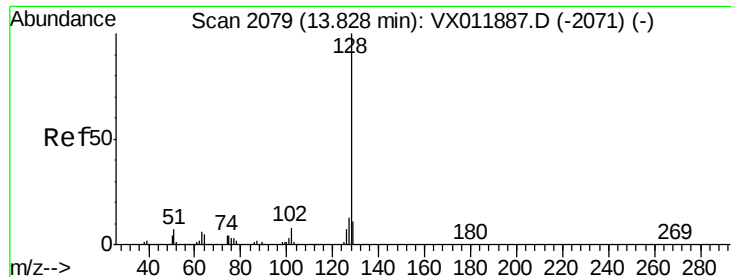
Tgt Ion:180 Resp: 15618
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.4
 145 28.3 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 2.243 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion:225 Resp: 10031
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.8 92.3
 227 64.2 31.9 95.7





#95

Naphthalene

Concen: 2.318 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

MDL05

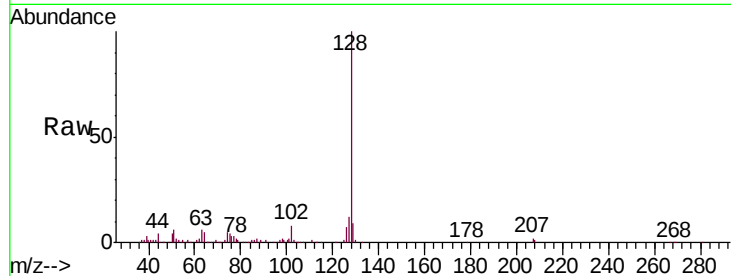
Tgt Ion:128 Resp: 26637

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

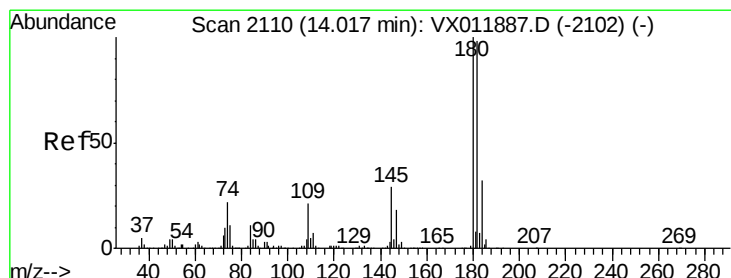
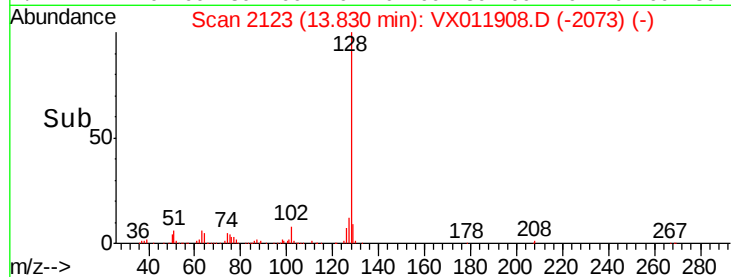
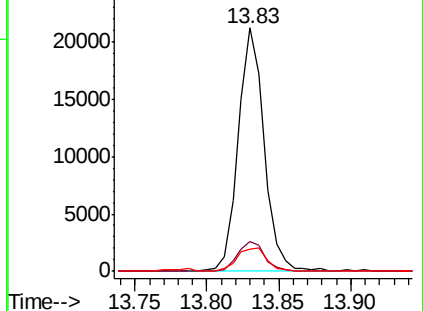
129 11.0 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 2.234 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

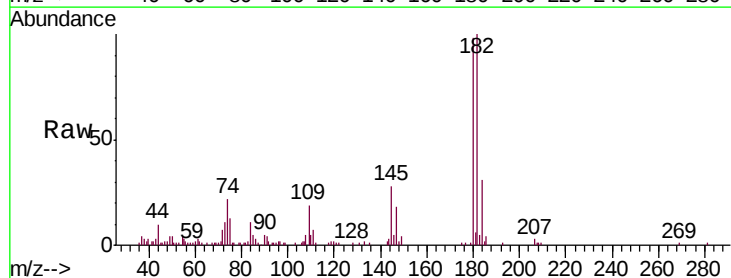
Tgt Ion:180 Resp: 13529

Ion Ratio Lower Upper

180 100

182 102.2 48.3 144.8

145 32.2 14.6 43.8



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

