

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011908.D
 Acq On : 30 Aug 2019 14:34
 Operator : SY/SP
 Sample : MDL03
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Quant Time: Aug 31 02:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 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	4.876	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	Below Cal	#	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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 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

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	6778	2.494	ug/l	83
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	11.14	75	115725	106.991	ug/l #	11
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

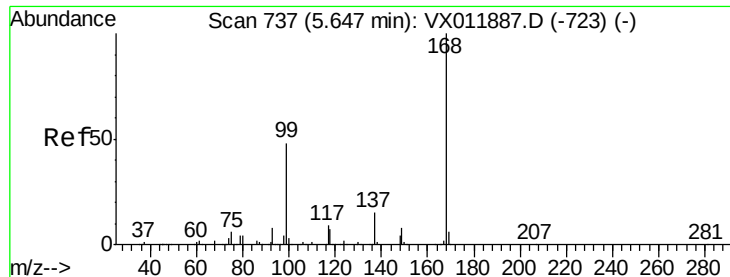
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Response via : Initial Calibration

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

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



#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 :

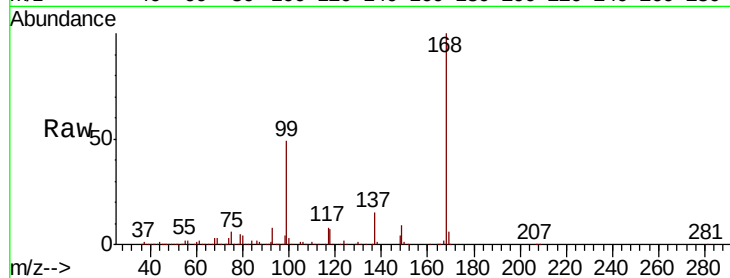
MDL05

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

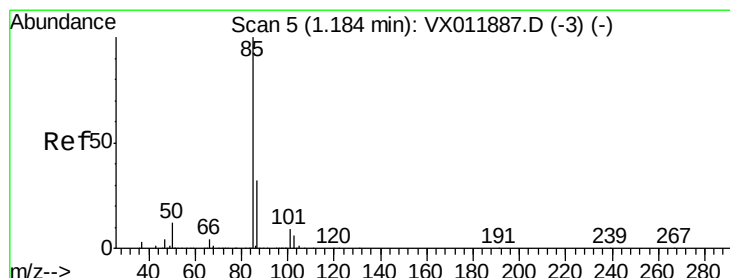
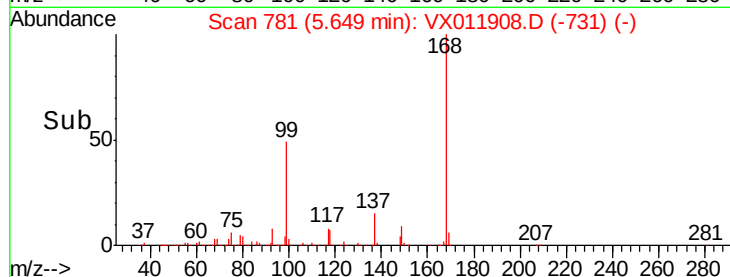
100000

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

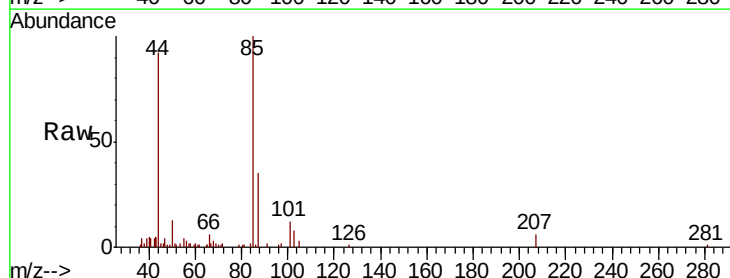
Acq: 30 Aug 2019 14:34

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

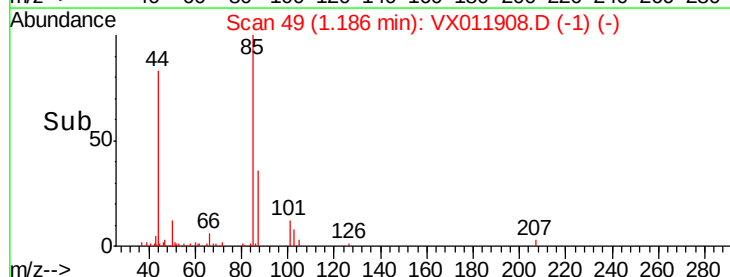
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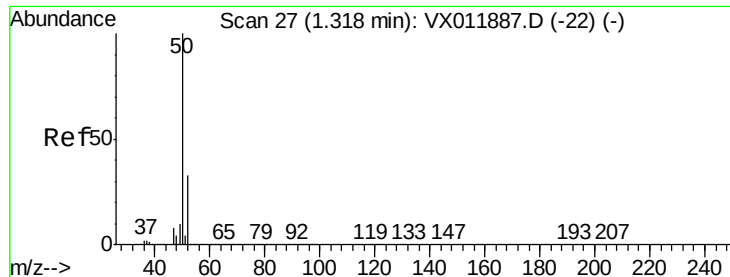
1000

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 :

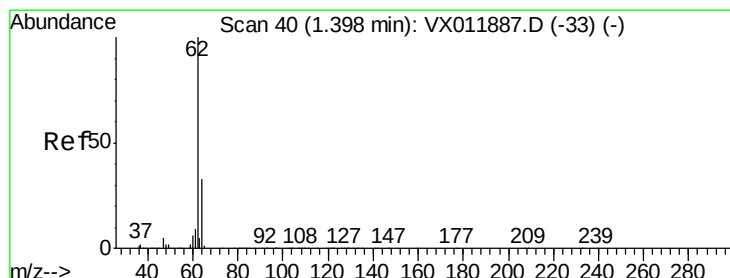
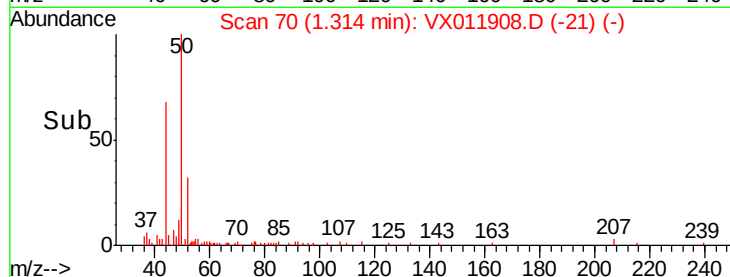
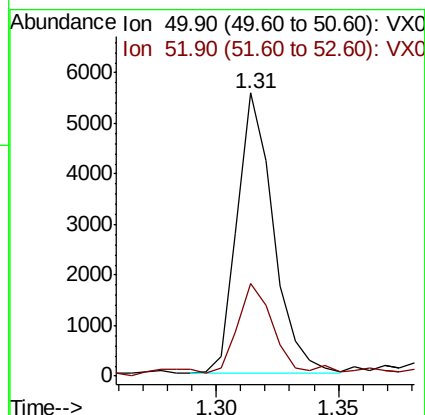
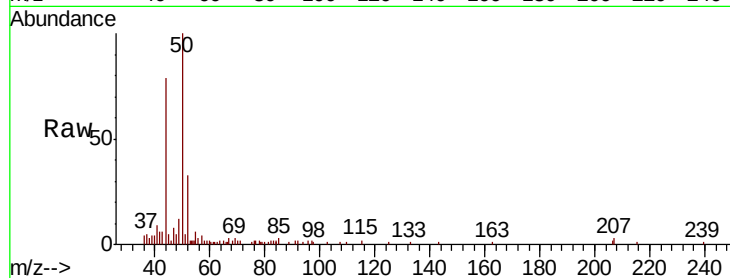
MDL05

Tgt Ion: 50 Resp: 5751

Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0



#4

Vinyl Chloride

Concen: 2.058 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011908.D

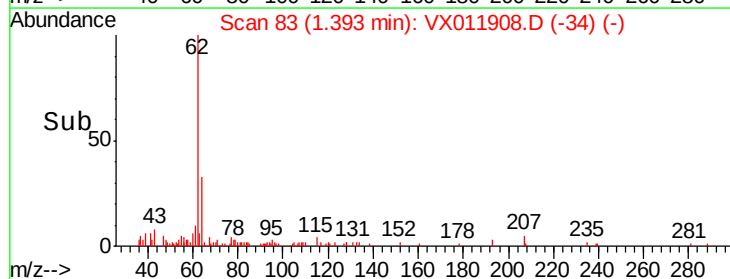
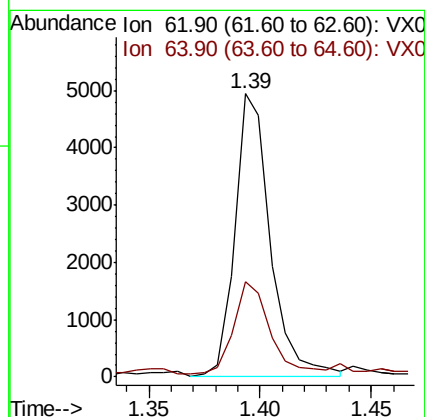
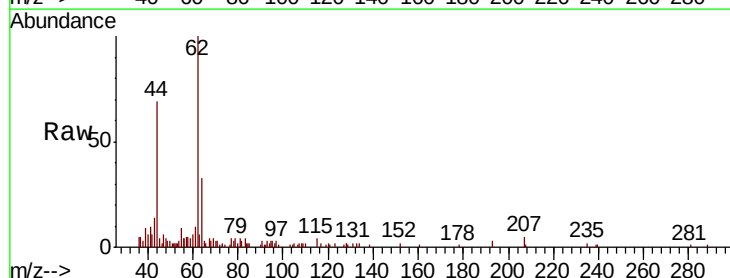
Acq: 30 Aug 2019 14:34

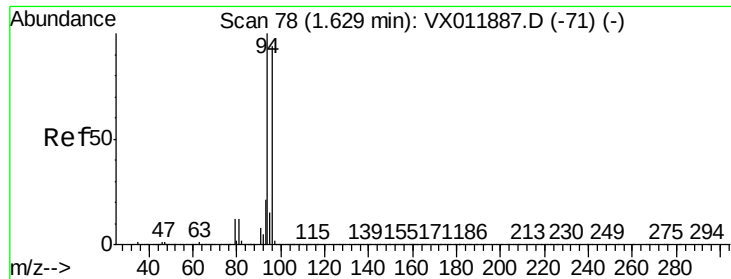
Tgt Ion: 62 Resp: 5477

Ion Ratio Lower Upper

62 100

64 32.2 26.0 39.0





#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 :

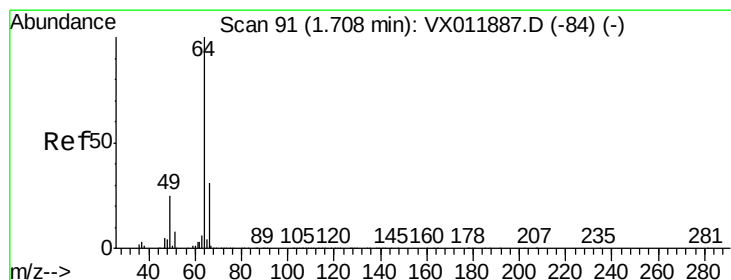
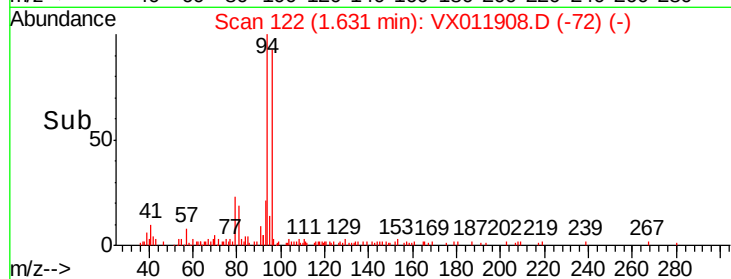
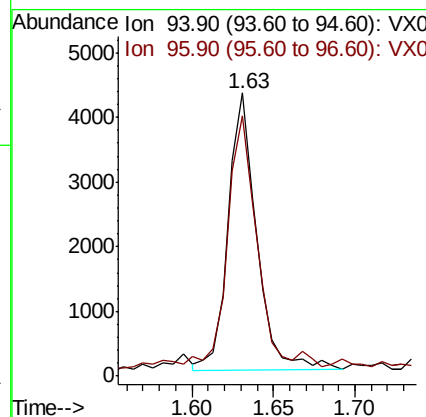
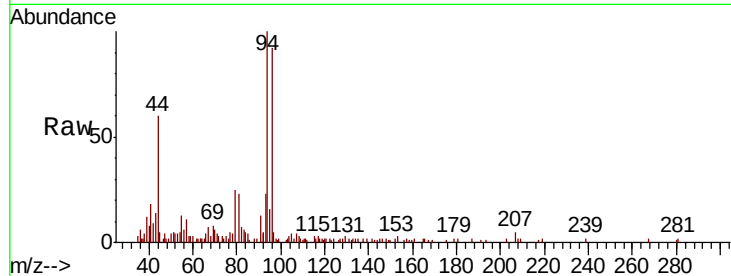
MDL05

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

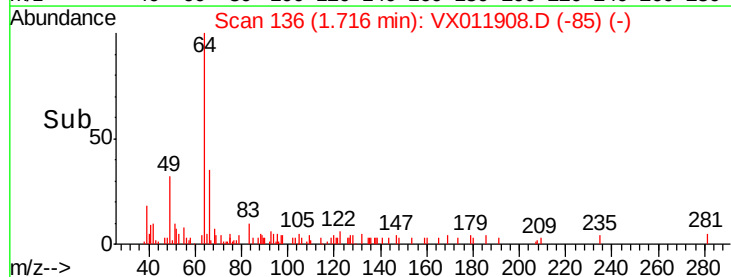
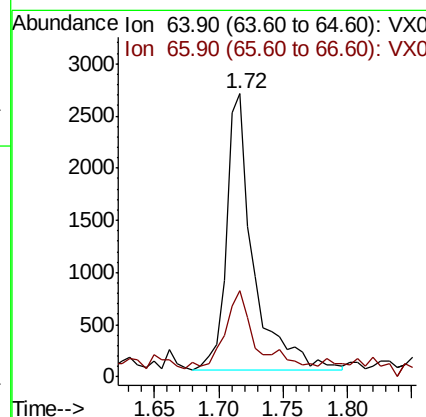
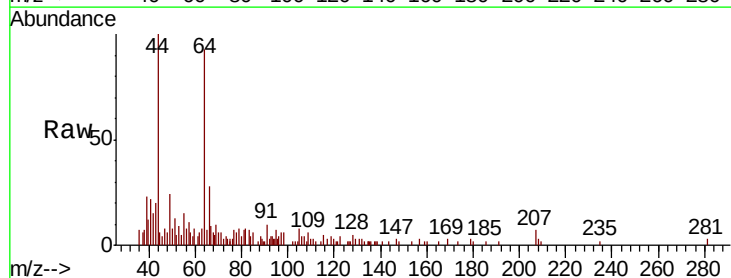
Acq: 30 Aug 2019 14:34

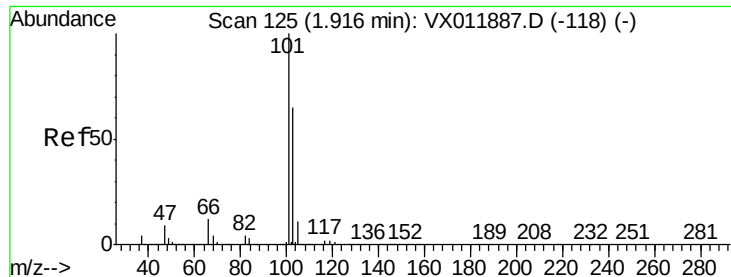
Tgt Ion: 64 Resp: 3858

Ion Ratio Lower Upper

64 100

66 26.3 25.0 37.4



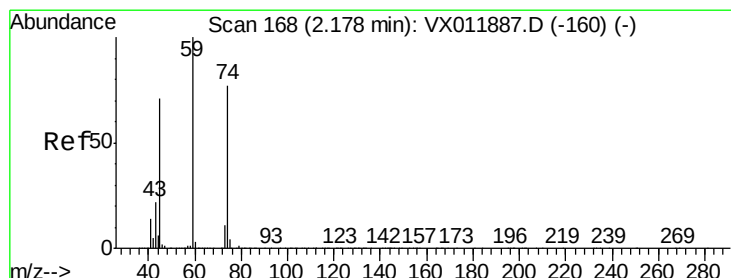
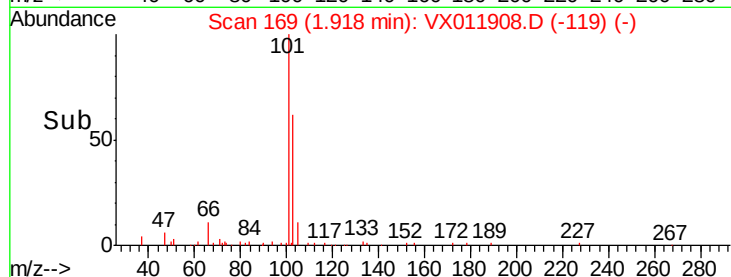
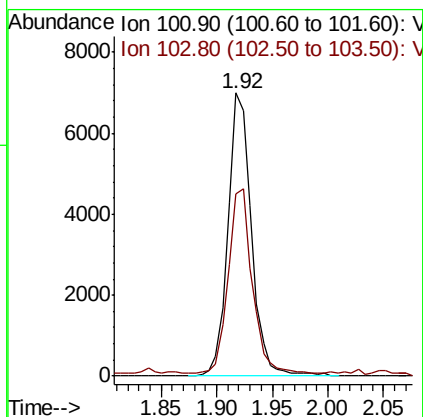
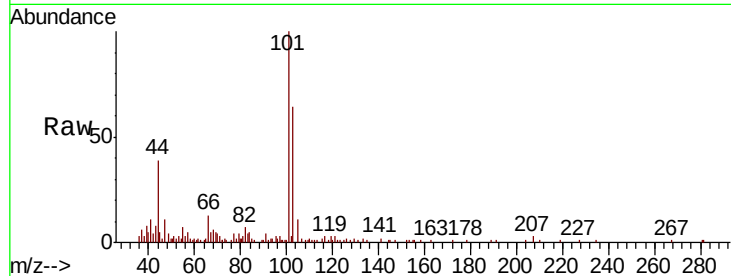


#7

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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MSVOA_X
ClientSampleId :
MDL05

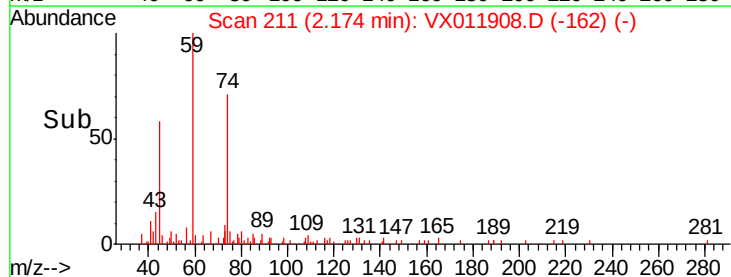
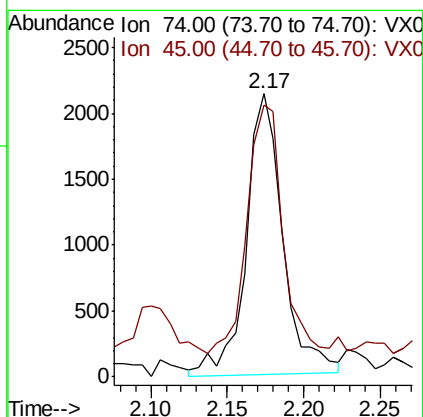
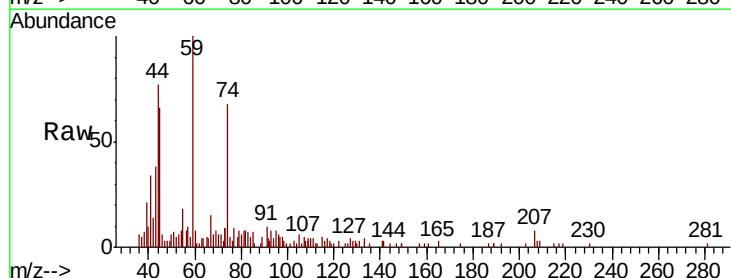
Tgt Ion: 101 Resp: 10251
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

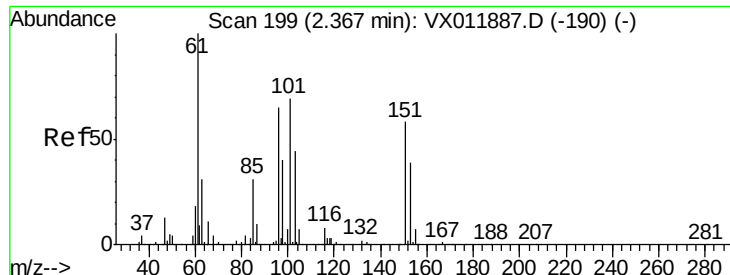


#8

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

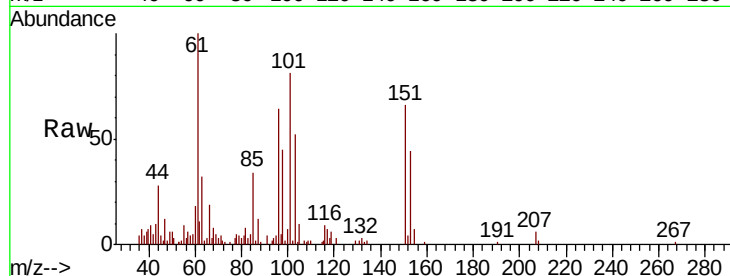
Tgt Ion:101 Resp: 6627

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

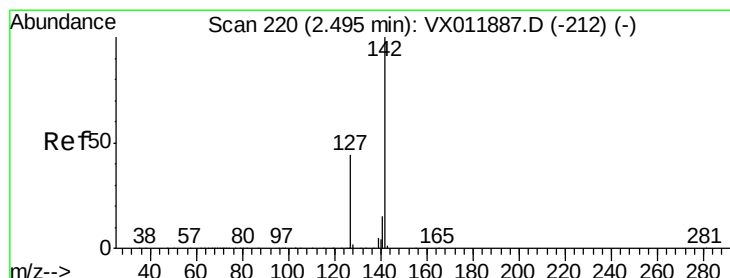
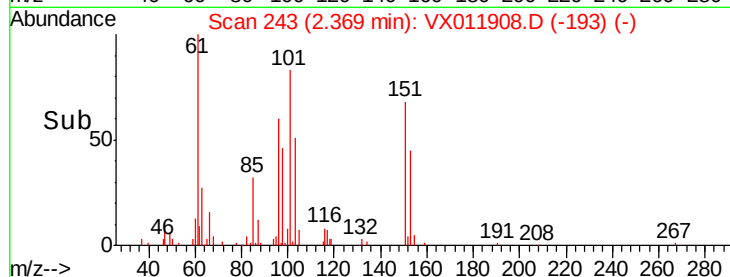
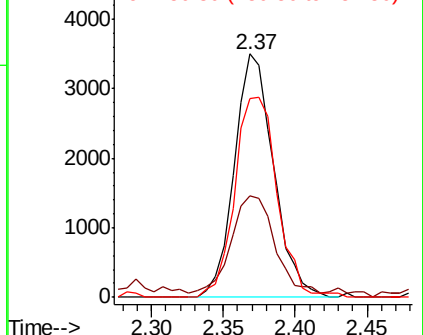
151 89.2 70.9 106.3



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: 4.876 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011908.D

Acq: 30 Aug 2019 14:34

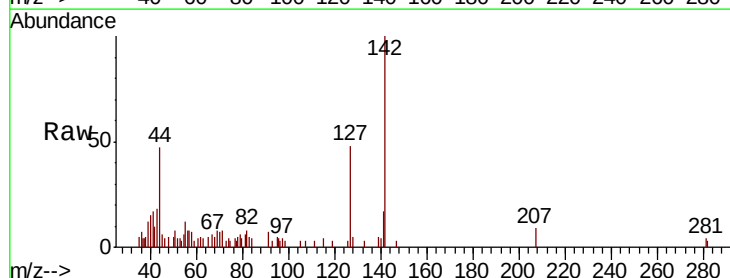
Tgt Ion:142 Resp: 4261

Ion Ratio Lower Upper

142 100

127 48.4 35.7 53.5

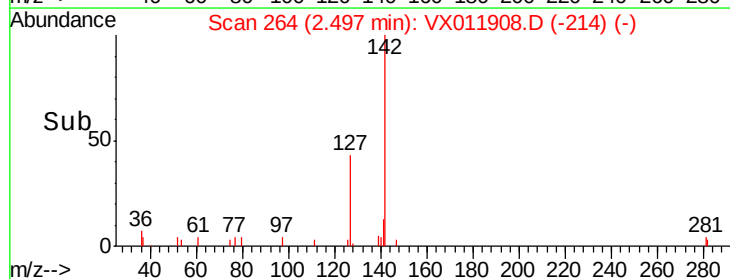
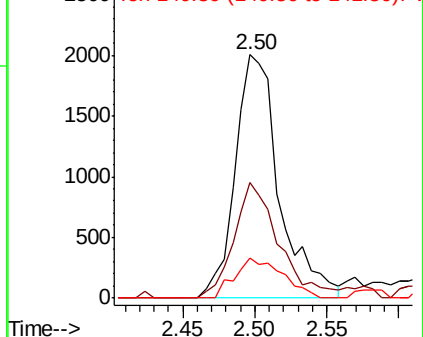
141 18.0 11.8 17.6#

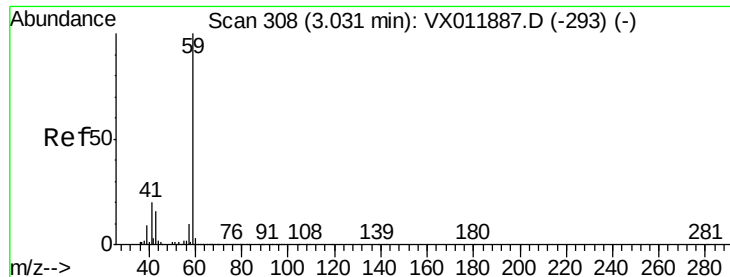


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

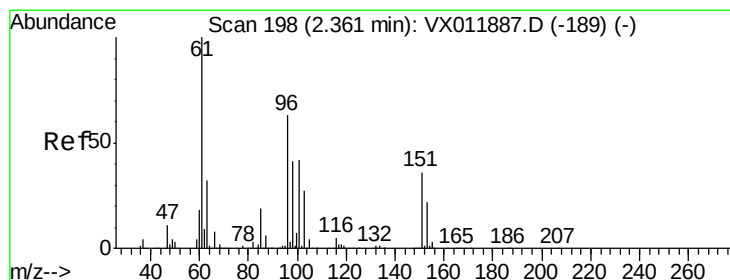
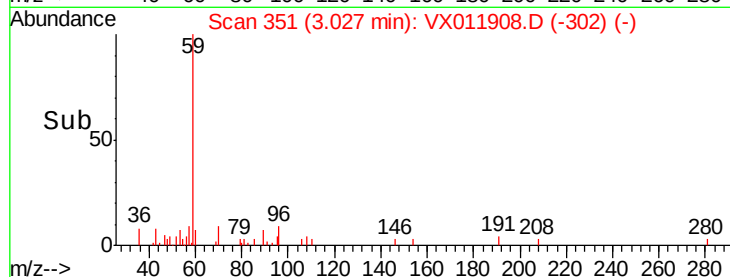
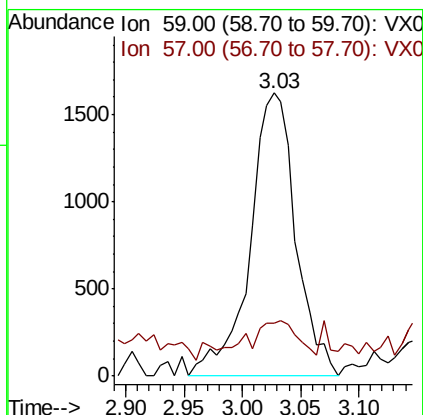
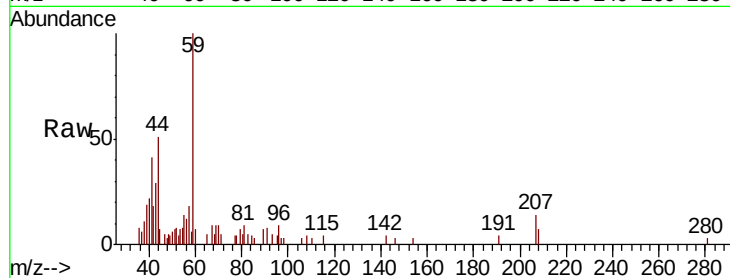




#11
Tert butyl alcohol
Concen: 12.077 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

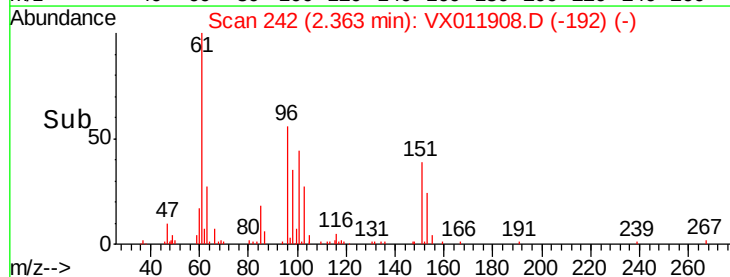
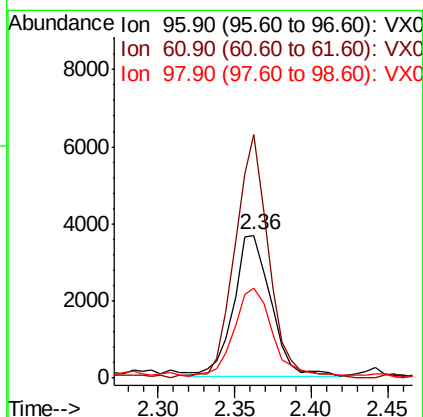
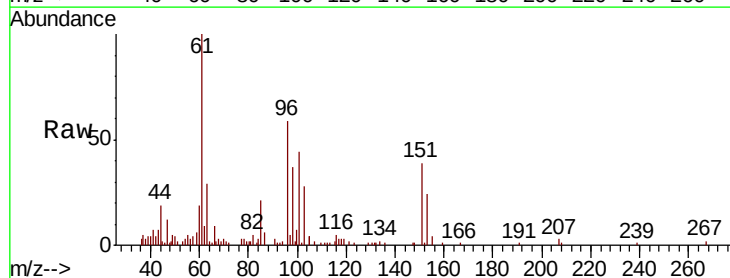
Instrument :
MSVOA_X
ClientSampleId :
MDL05

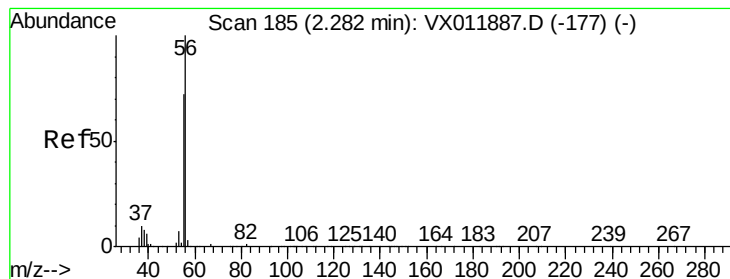
Tgt Ion: 59 Resp: 4435
Ion Ratio Lower Upper
59 100
57 11.8 8.6 12.8



#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 :

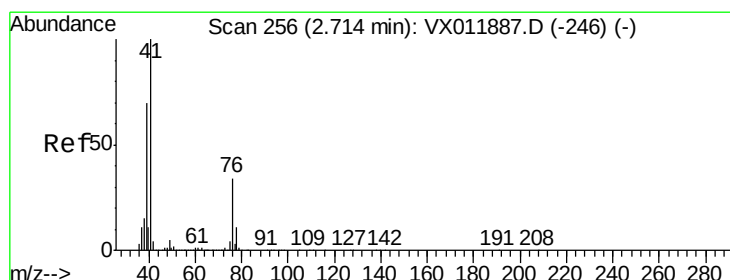
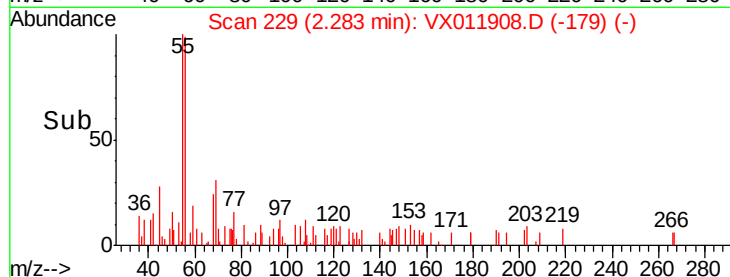
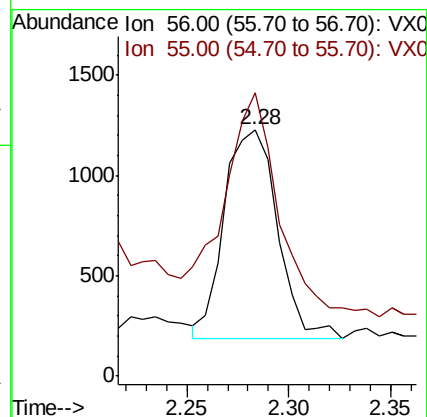
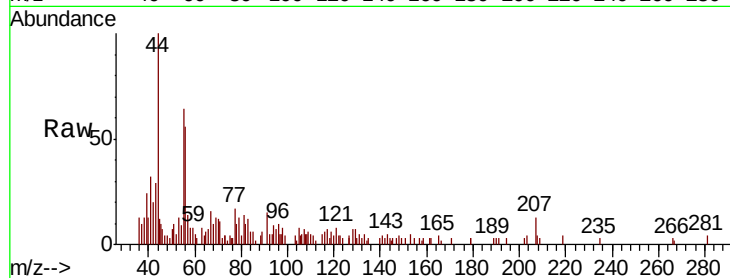
MDL05

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

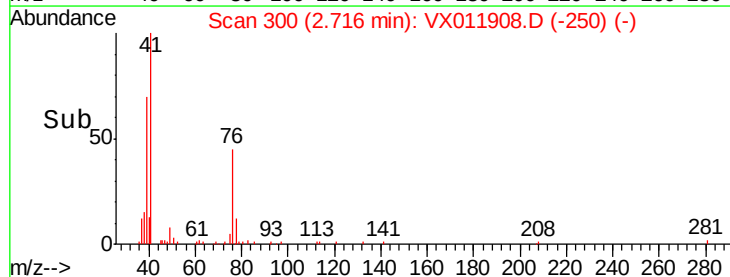
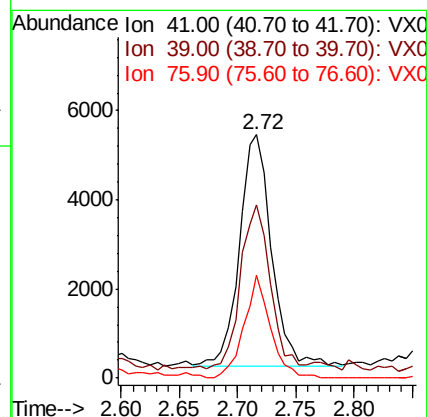
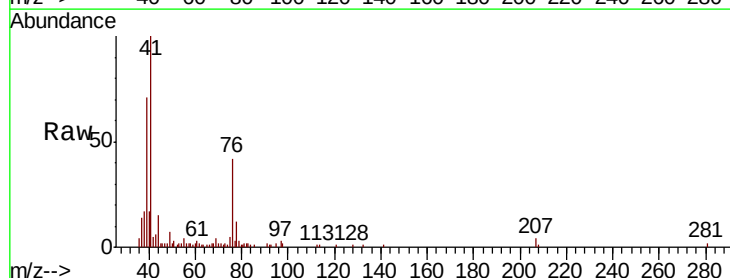
Tgt Ion: 41 Resp: 9994

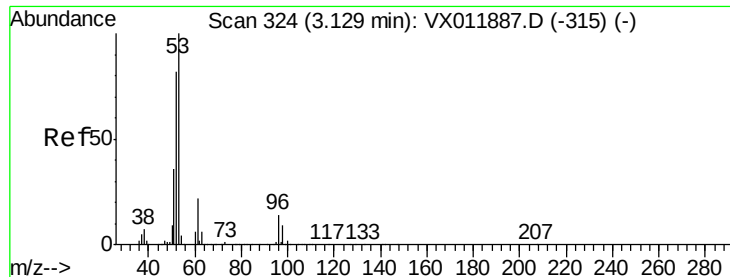
Ion Ratio Lower Upper

41 100

39 64.9 55.0 82.6

76 36.4 27.0 40.4

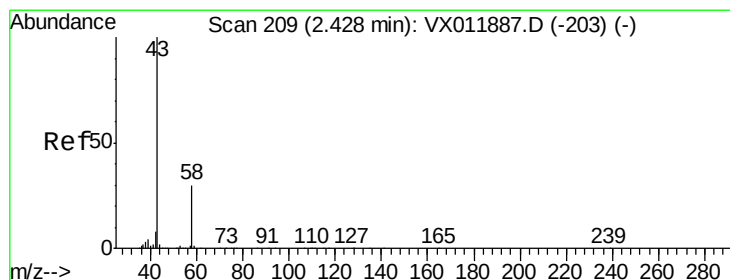
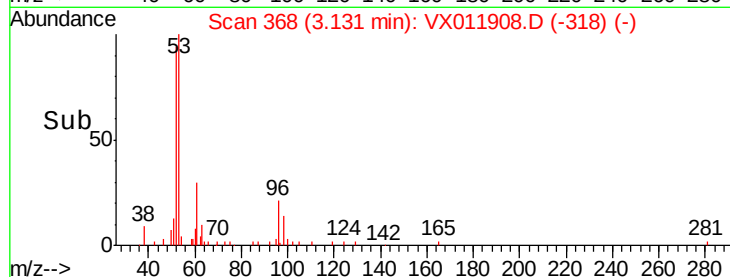
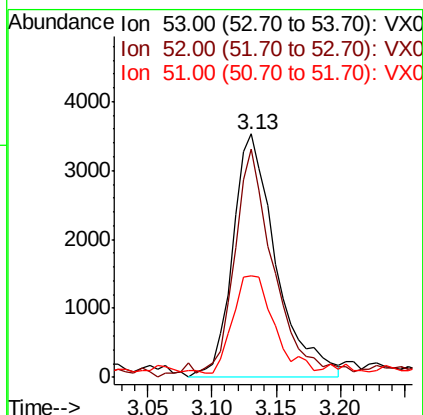
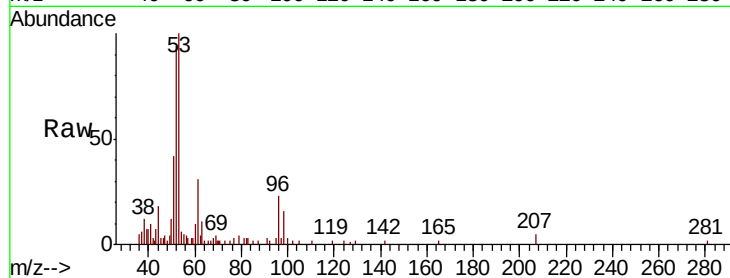




#15
 Acrylonitrile
 Concen: 9.450 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

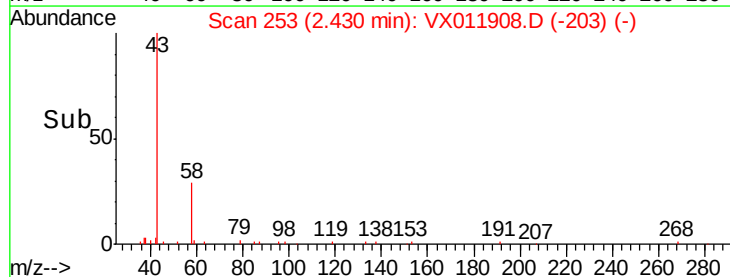
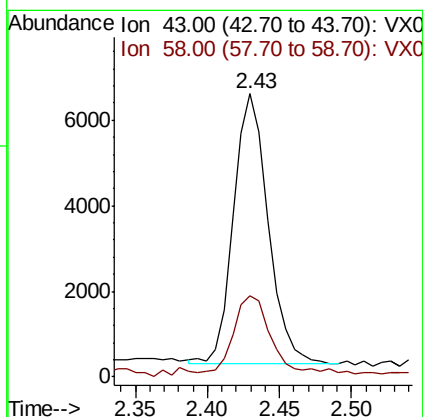
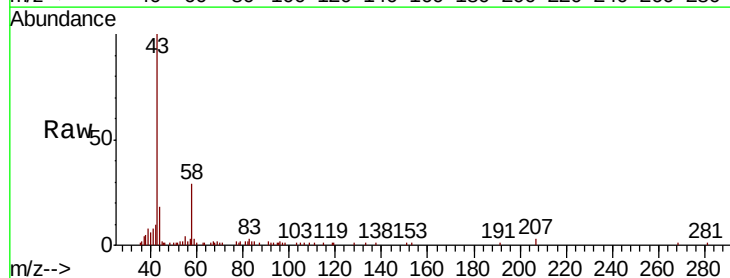
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

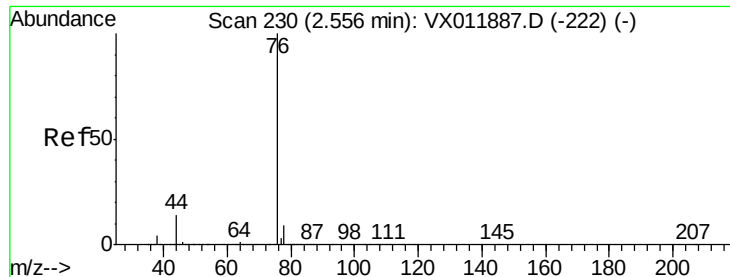
Tgt Ion: 53 Resp: 8246
 Ion Ratio Lower Upper
 53 100
 52 80.4 65.3 97.9
 51 38.1 29.4 44.2



#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

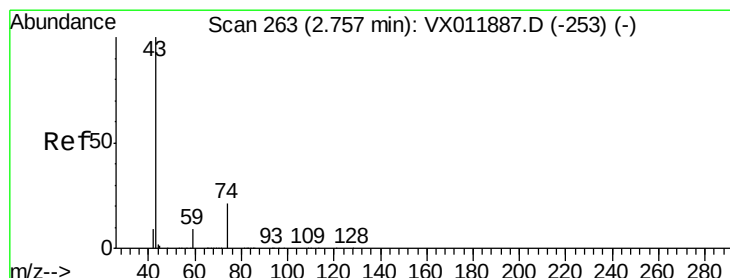
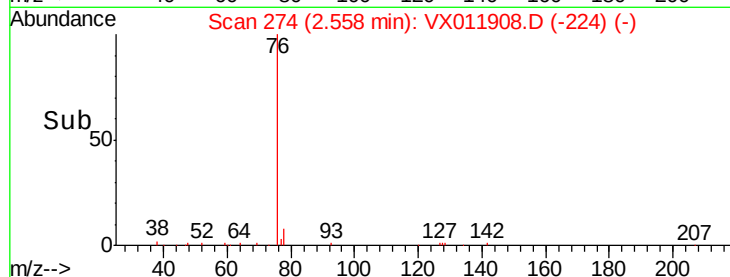
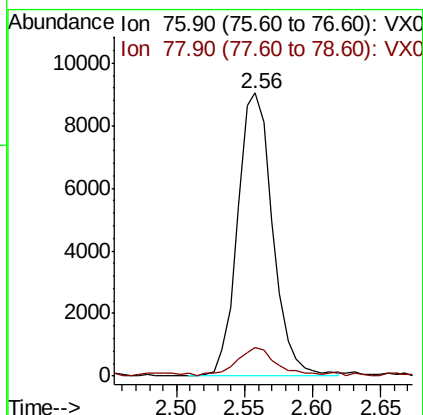
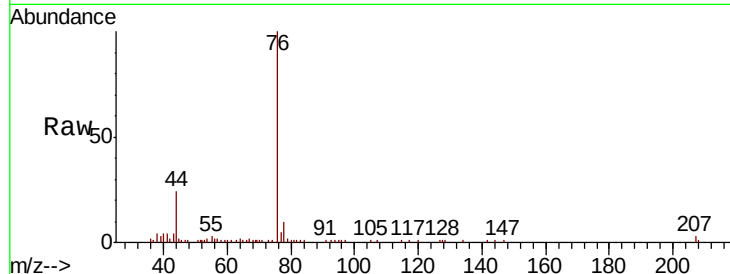




#17
Carbon Disulfide
Concen: 2.025 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

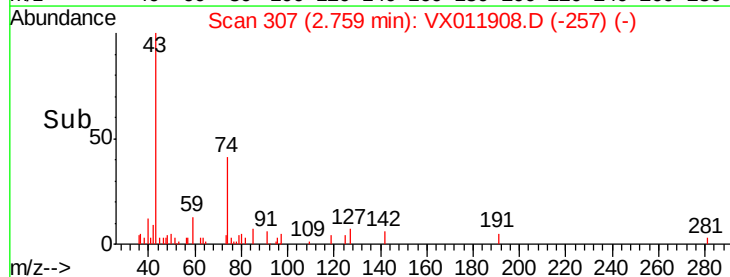
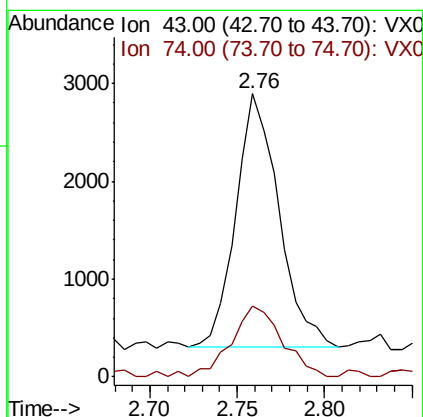
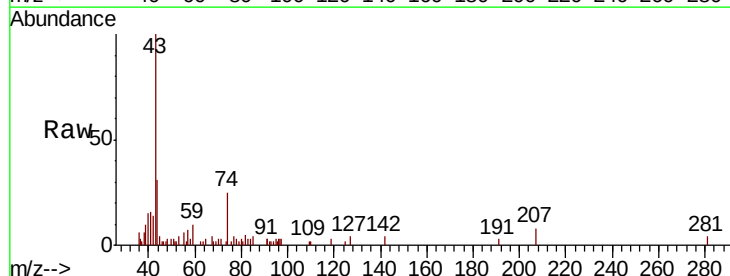
Instrument :
MSVOA_X
ClientSampled :
MDL05

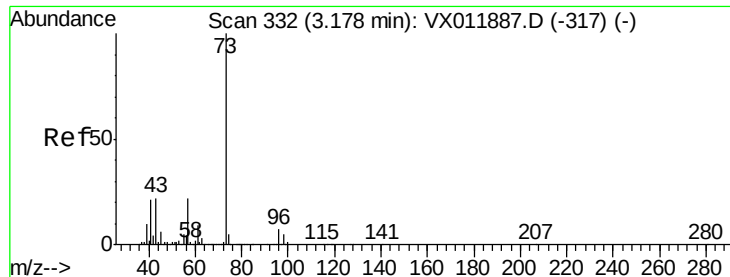
Tgt Ion: 76 Resp: 16254
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#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#



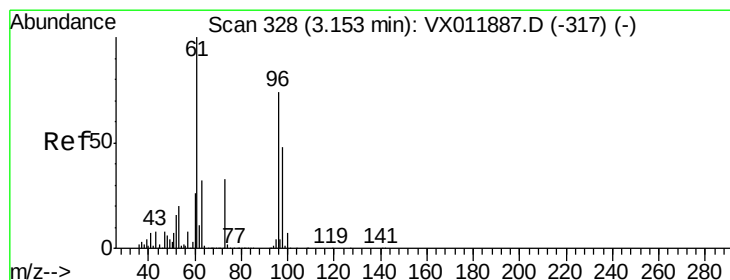
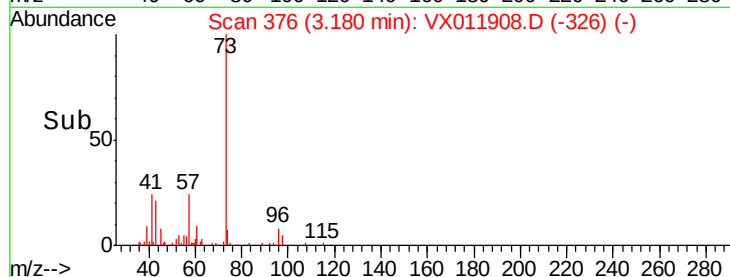
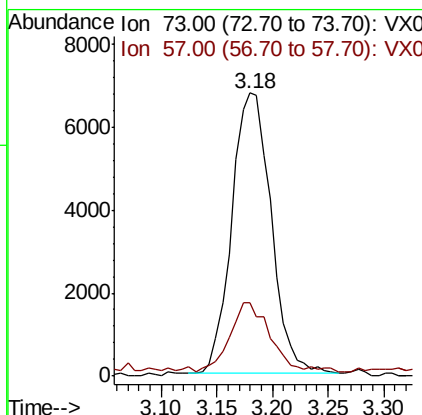
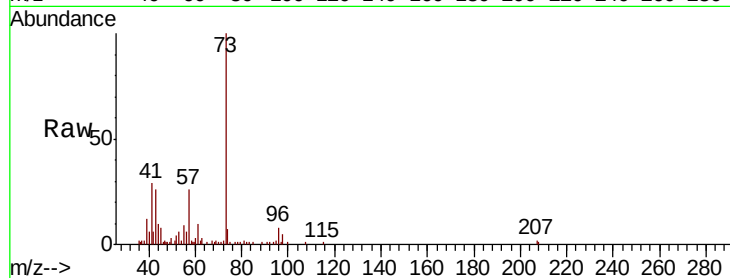


#19

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

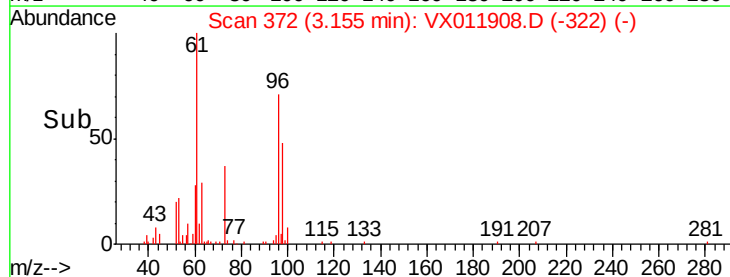
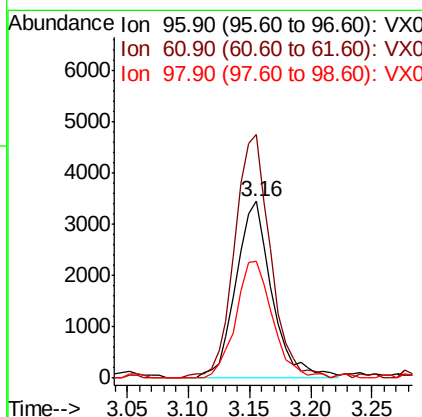
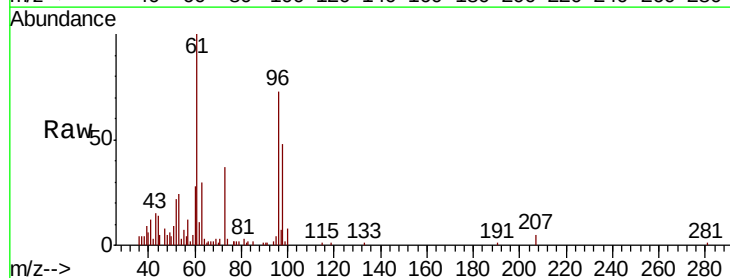
Tgt Ion: 73 Resp: 16629
 Ion Ratio Lower Upper
 73 100
 57 24.6 17.4 26.0

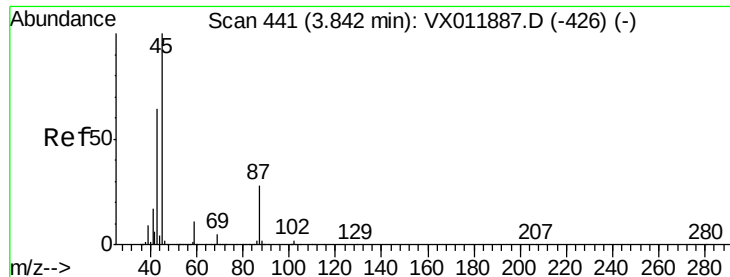


#21

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

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

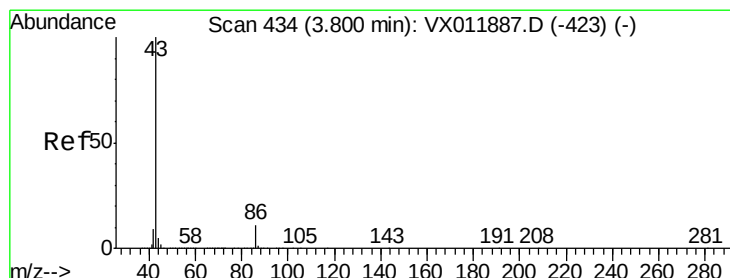
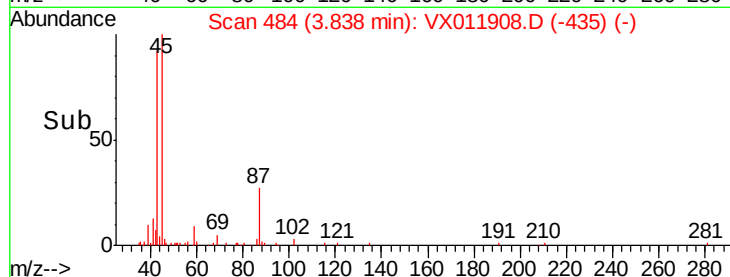
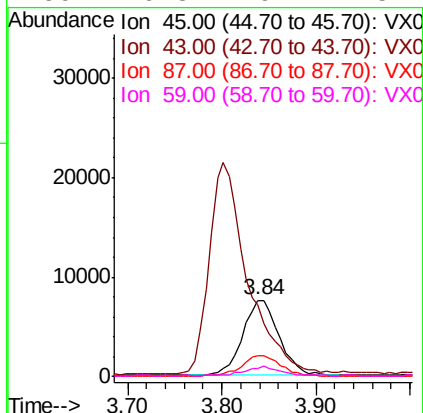
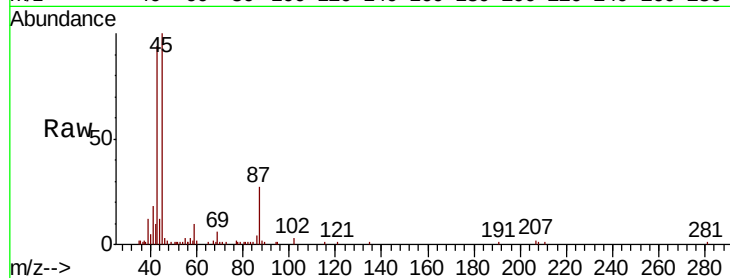




#22
Diisopropyl ether
Concen: 1.905 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

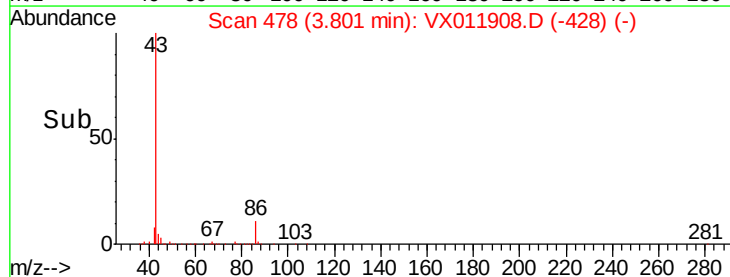
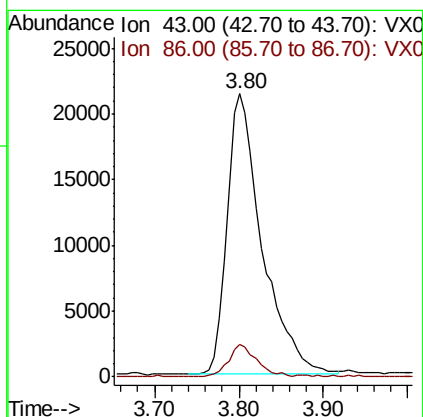
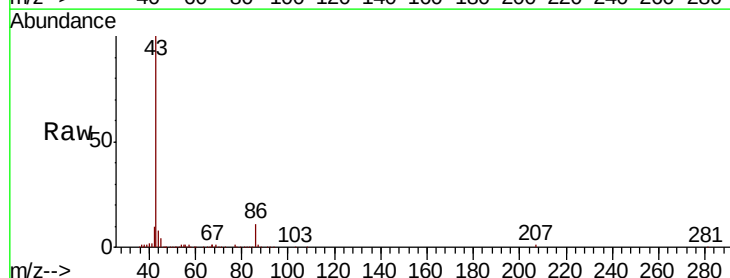
Instrument :
MSVOA_X
ClientSampleId :
MDL05

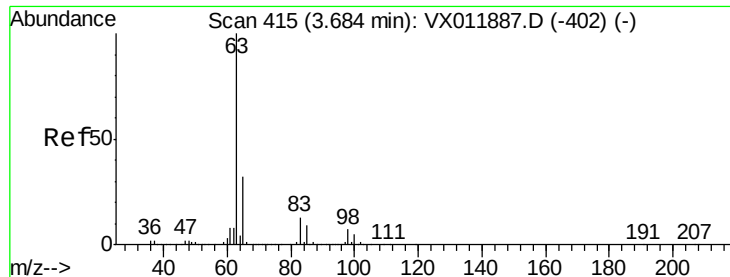
Tgt Ion:	45	Resp:	20417
Ion	Ratio	Lower	Upper
45	100		
43	89.6	51.0	76.6#
87	26.9	22.0	33.0
59	10.3	9.1	13.7



#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

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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

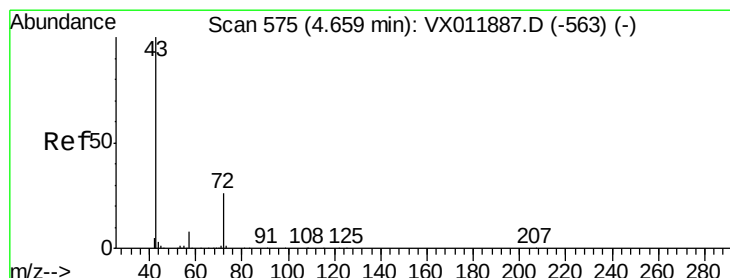
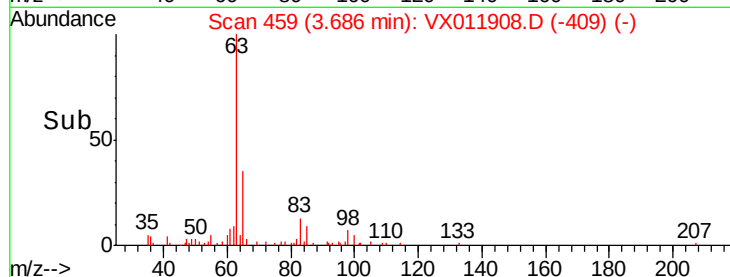
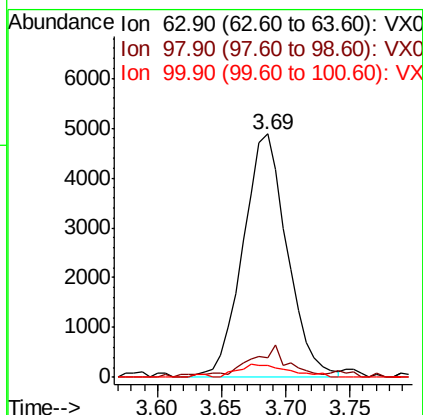
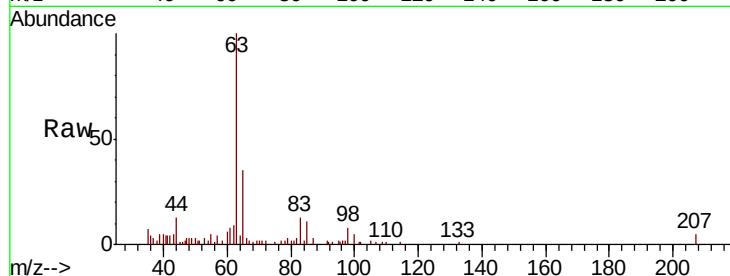
Tgt Ion: 63 Resp: 11589

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

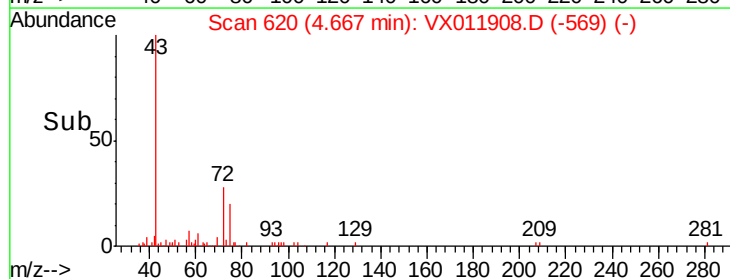
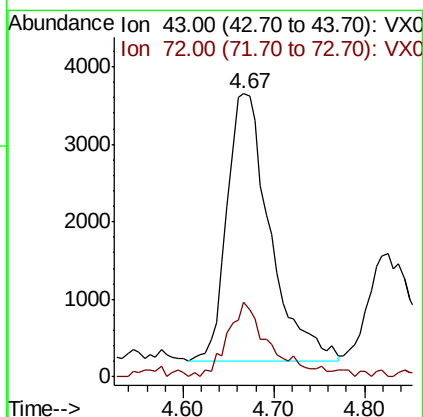
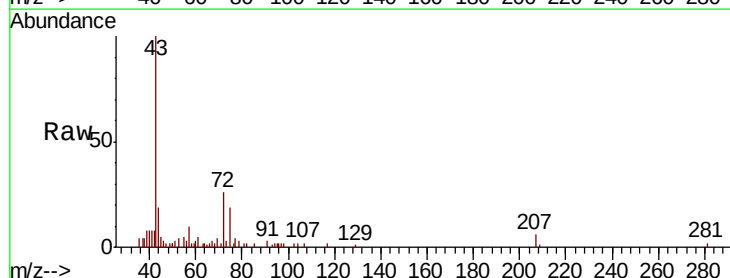
Acq: 30 Aug 2019 14:34

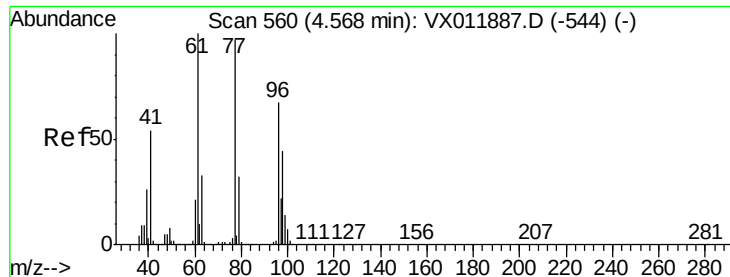
Tgt Ion: 43 Resp: 11388

Ion Ratio Lower Upper

43 100

72 27.8 21.0 31.4

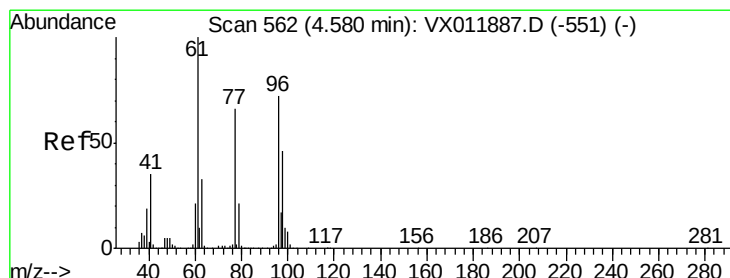
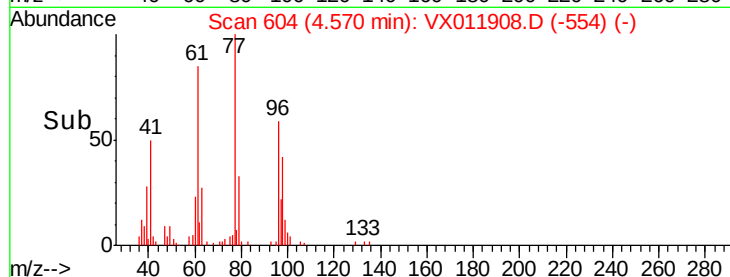
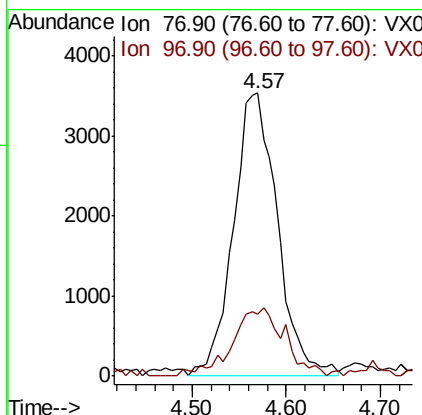
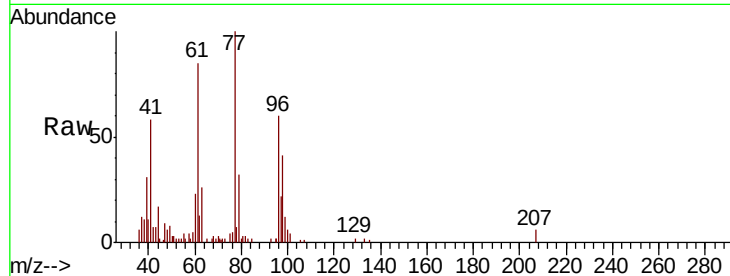




#26
 2,2-Dichloropropane
 Concen: 2.335 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

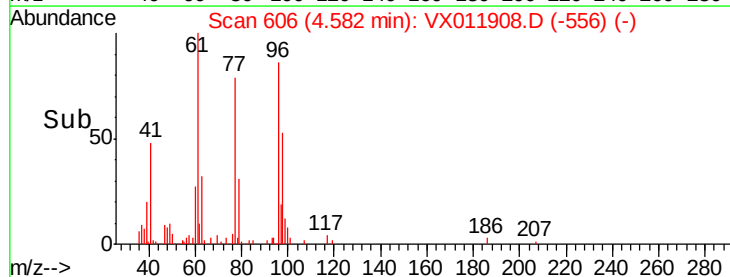
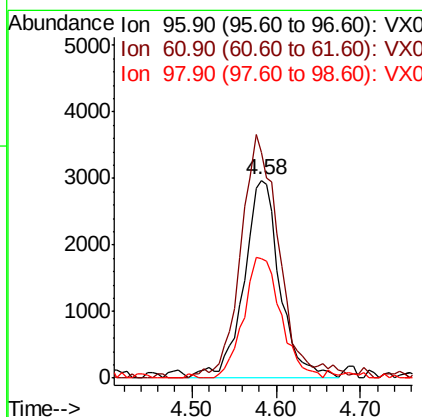
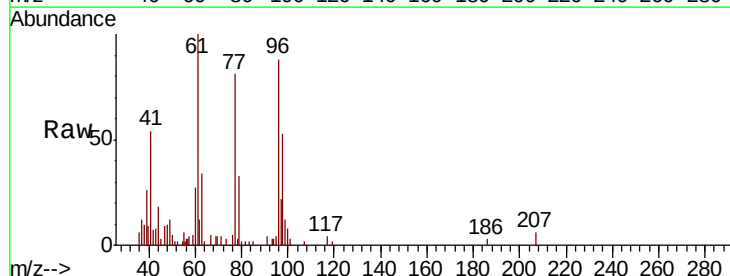
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

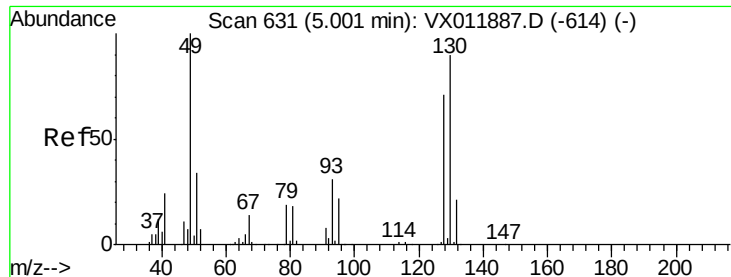
Tgt Ion: 77 Resp: 11572
 Ion Ratio Lower Upper
 77 100
 97 28.7 11.7 35.1



#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

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

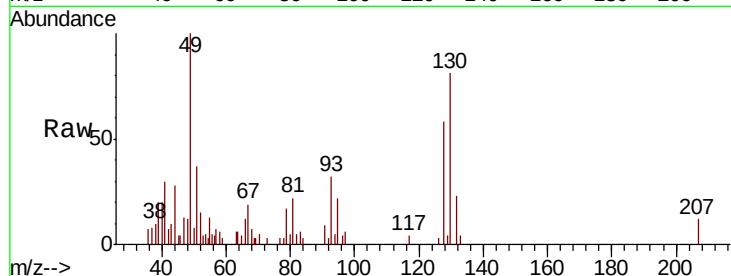




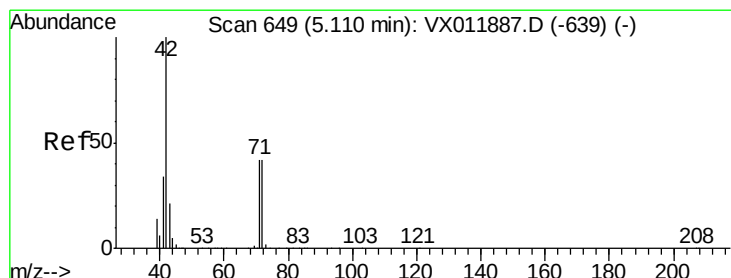
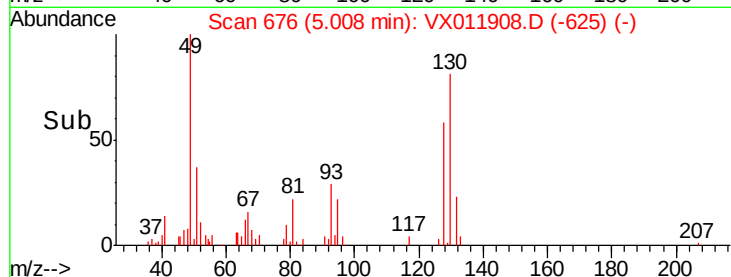
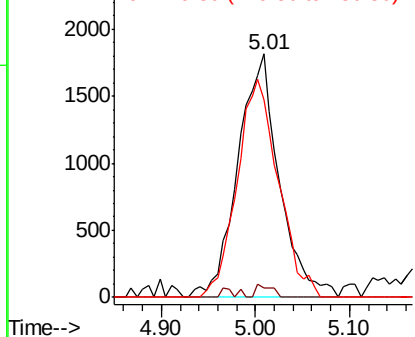
#28
 Bromochloromethane
 Concen: 2.104 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

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

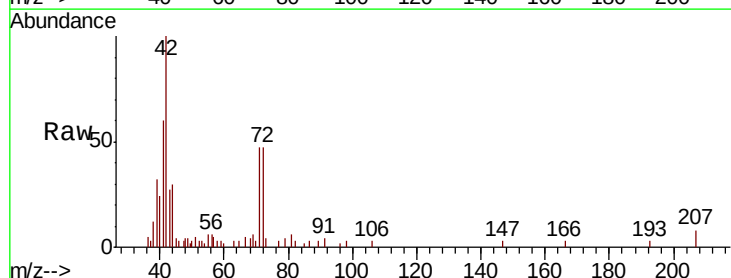


Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

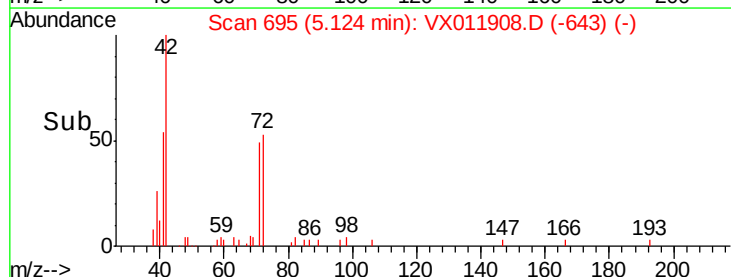
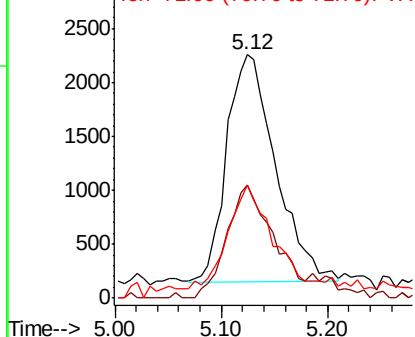


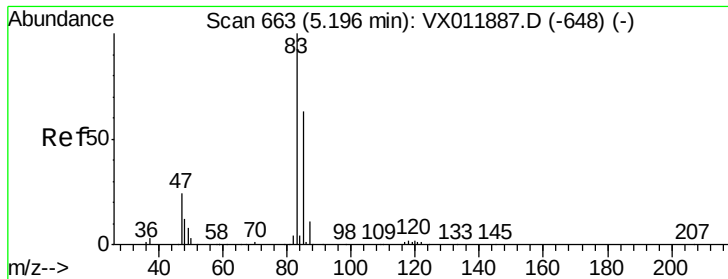
#29
 Tetrahydrofuran
 Concen: 9.083 ug/l
 RT: 5.12 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

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

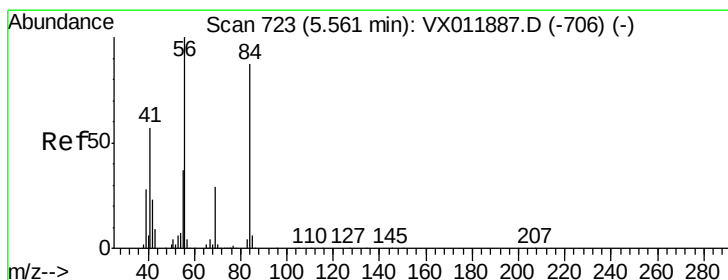
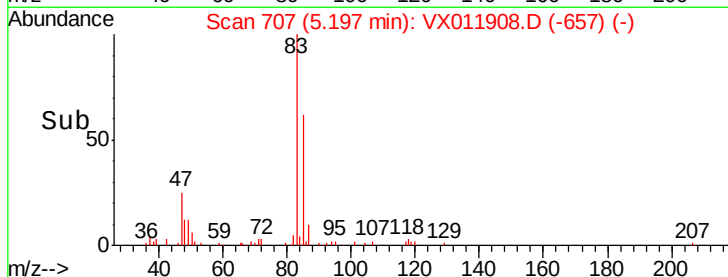
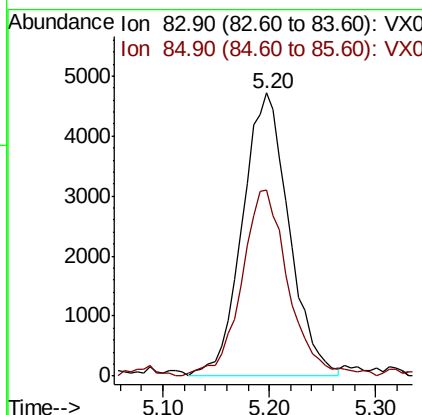
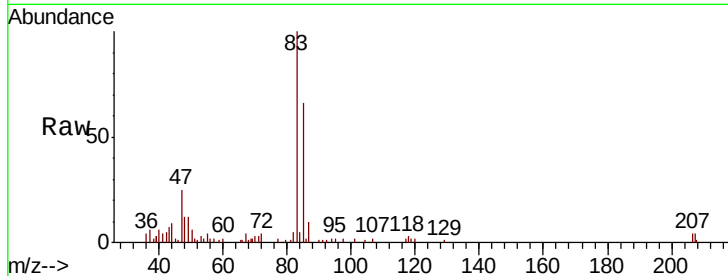




#30
Chloroform
Concen: 2.285 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

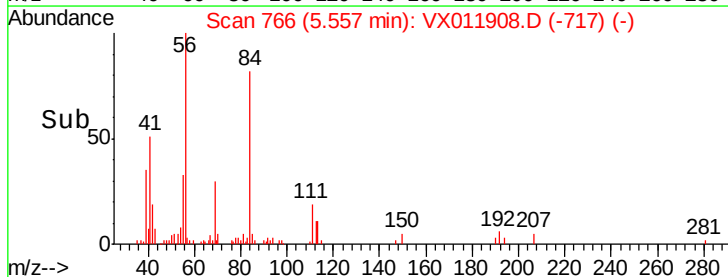
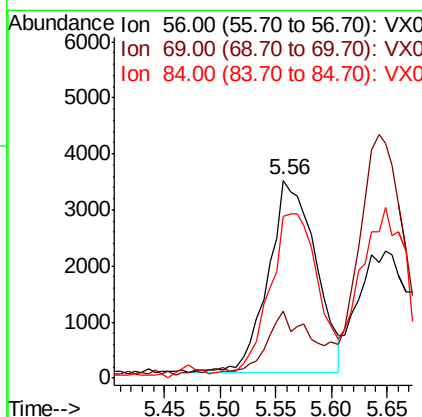
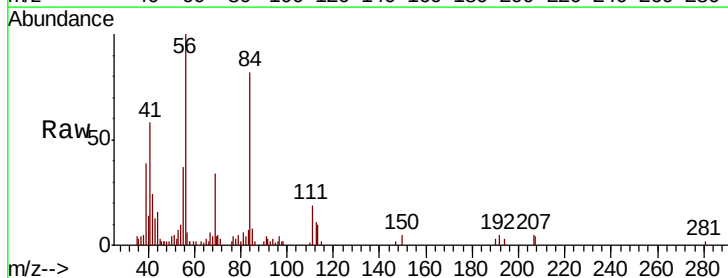
Instrument :
MSVOA_X
ClientSampled :
MDL05

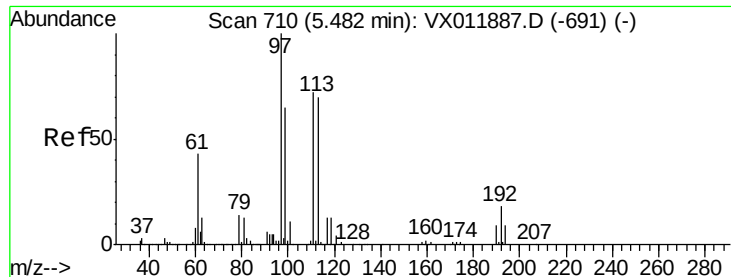
Tgt Ion: 83 Resp: 14437
Ion Ratio Lower Upper
83 100
85 64.6 50.6 75.8



#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

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

Instrument :

MSVOA_X

ClientSampled :

MDL05

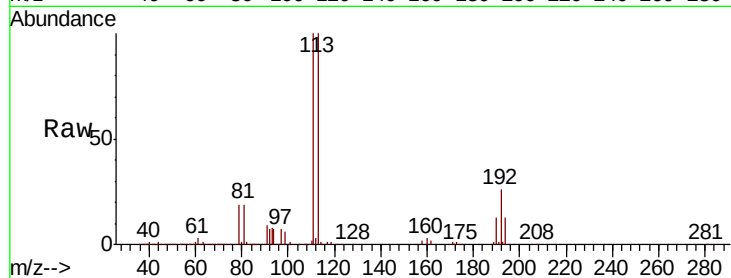
Tgt Ion: 97 Resp: 12219

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

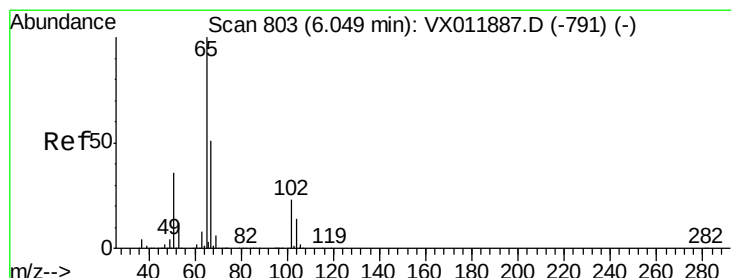
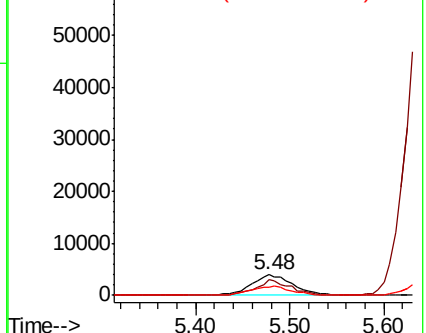
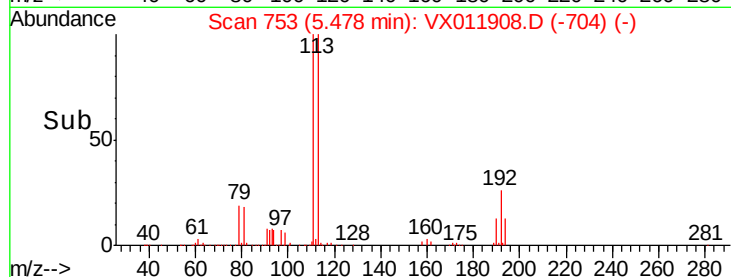
61 43.0 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#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

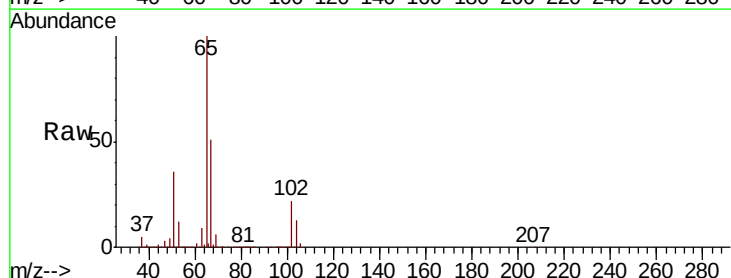
Acq: 30 Aug 2019 14:34

Tgt Ion: 65 Resp: 167368

Ion Ratio Lower Upper

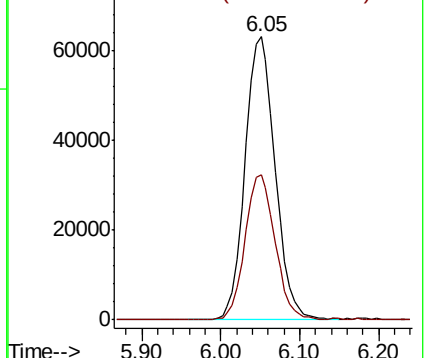
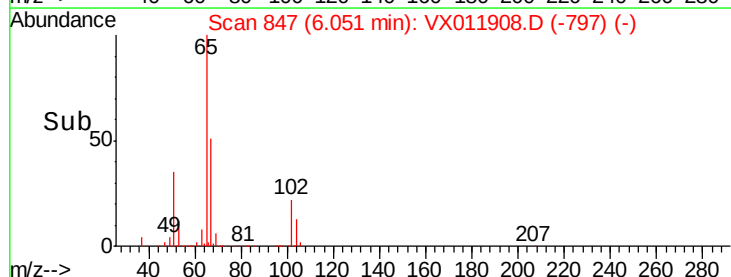
65 100

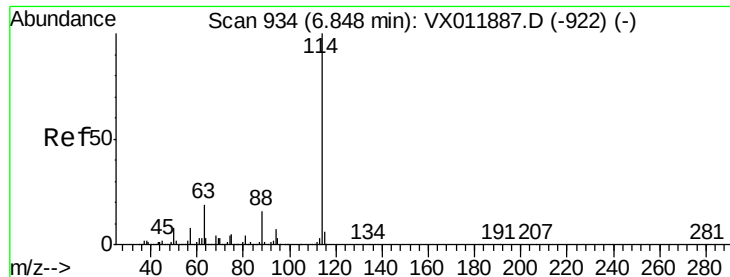
67 50.9 0.0 102.2



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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

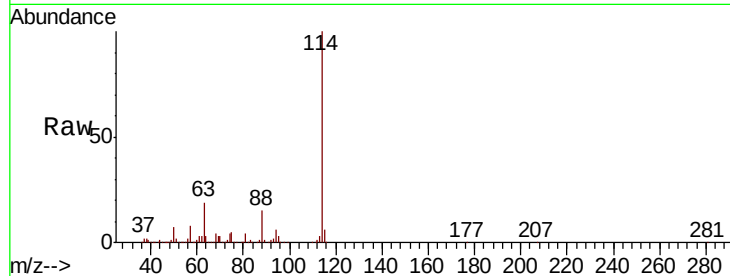
Tgt Ion:114 Resp: 528349

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

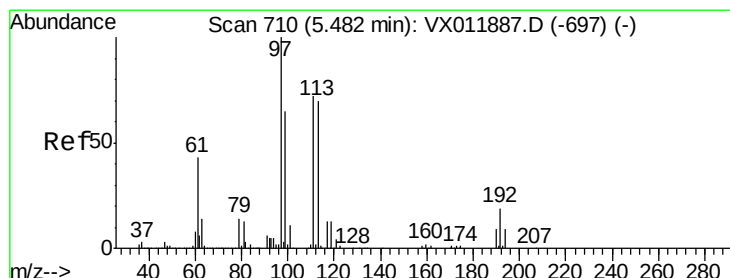
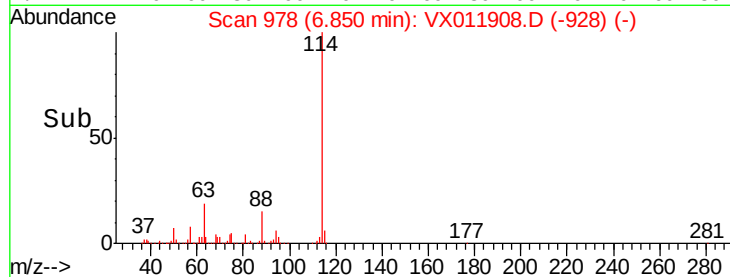
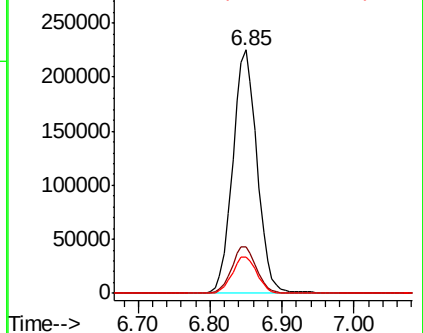
88 15.0 0.0 31.2



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

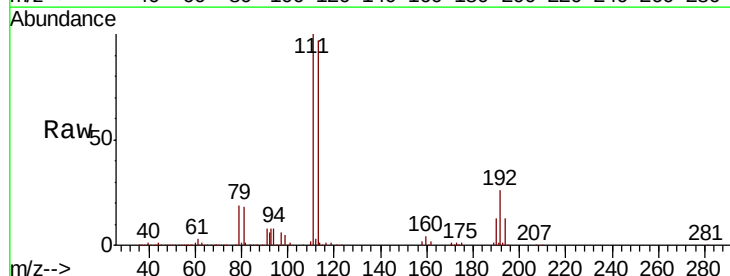
Tgt Ion:113 Resp: 158120

Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

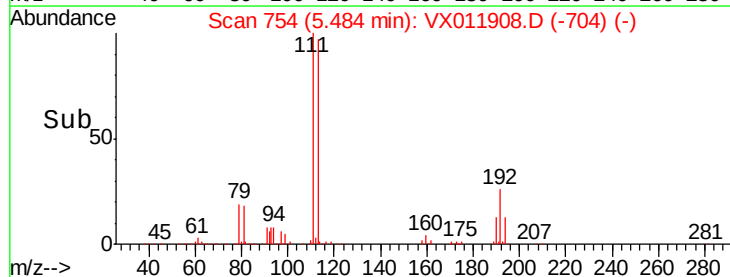
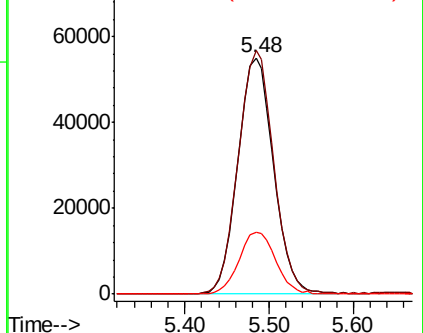
192 26.9 21.5 32.3

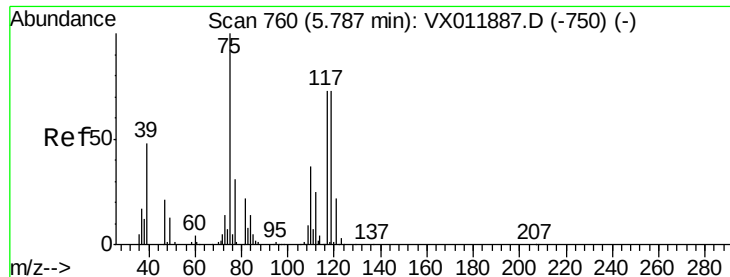


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

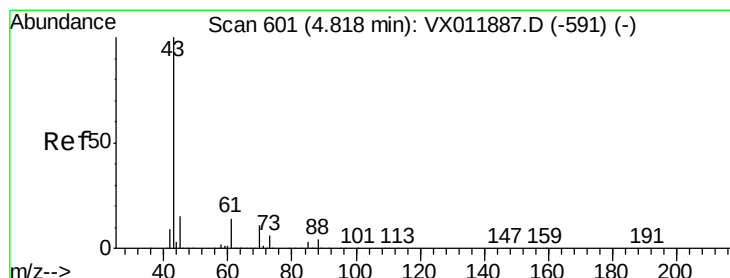
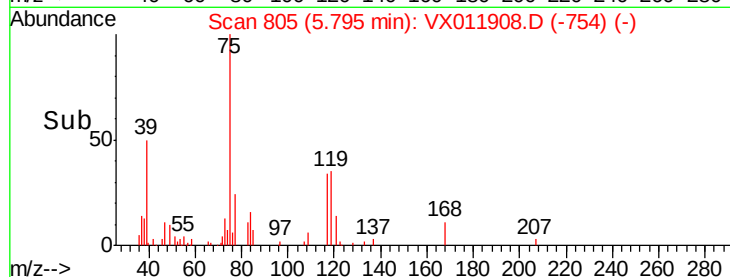
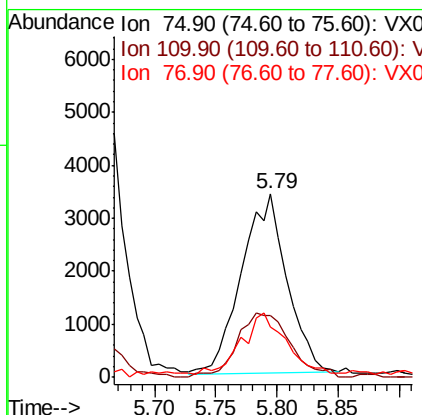
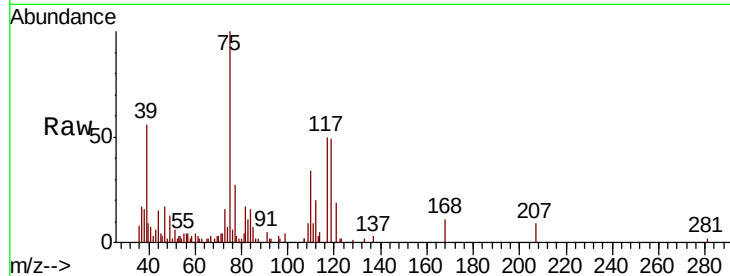




#36
 1,1-Dichloropropene
 Concen: 2.109 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

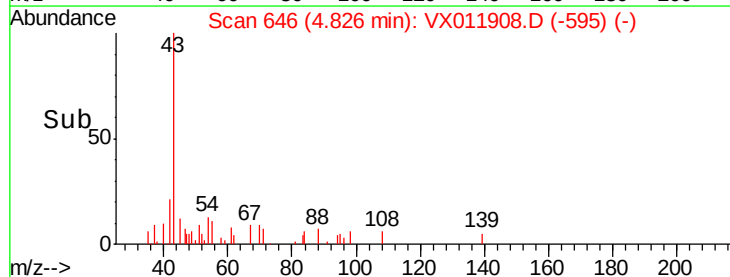
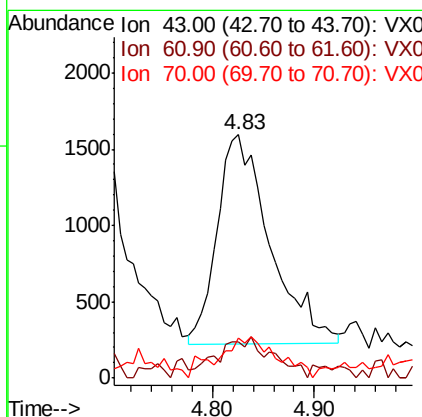
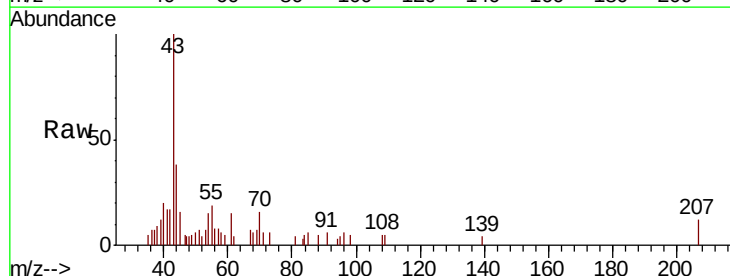
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

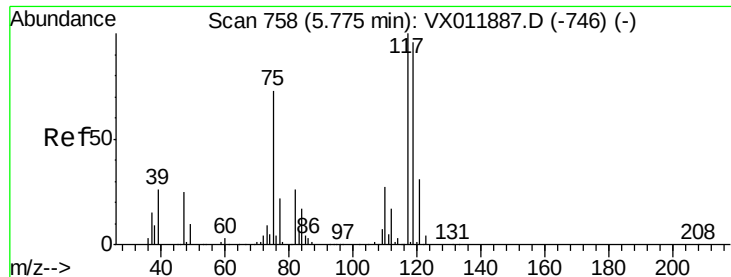
Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.1	19.1	57.3
77	35.2	24.4	36.6



#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

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

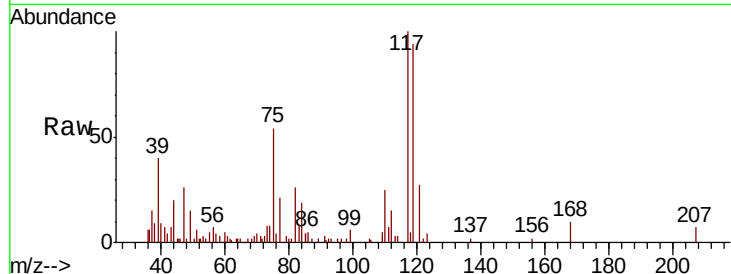




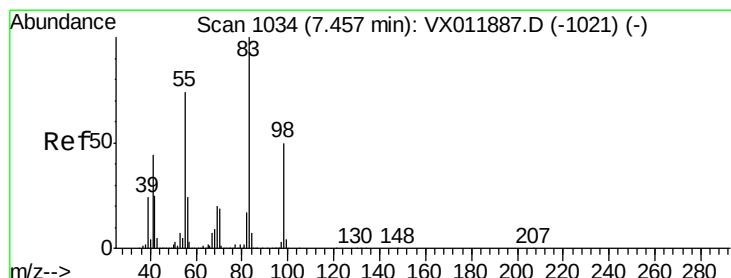
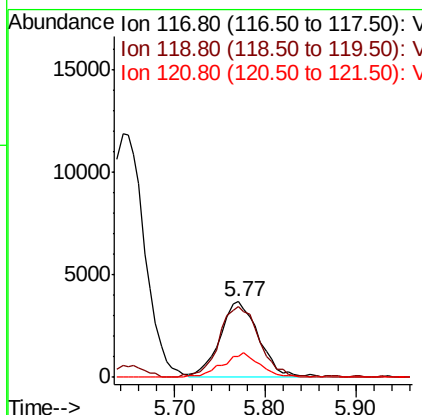
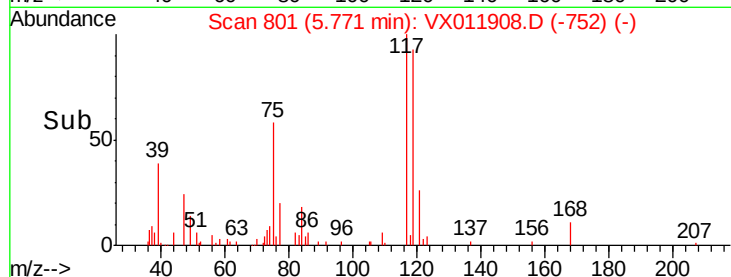
#38
Carbon Tetrachloride
Concen: 2.274 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
MDL05

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

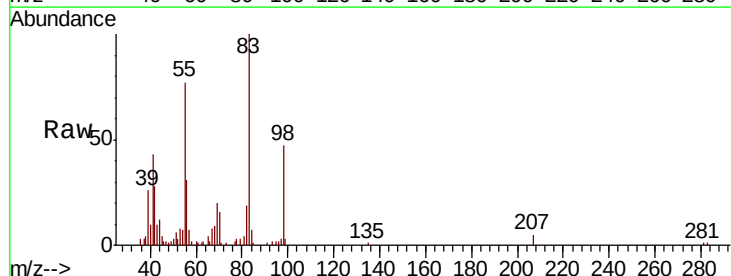


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

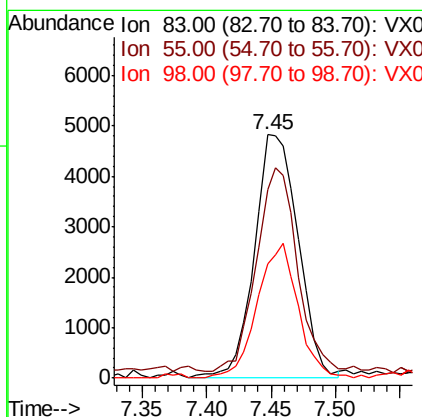
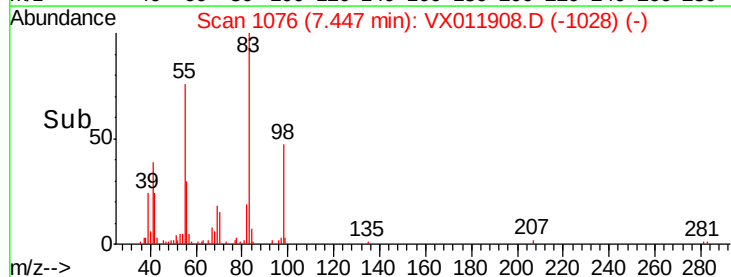


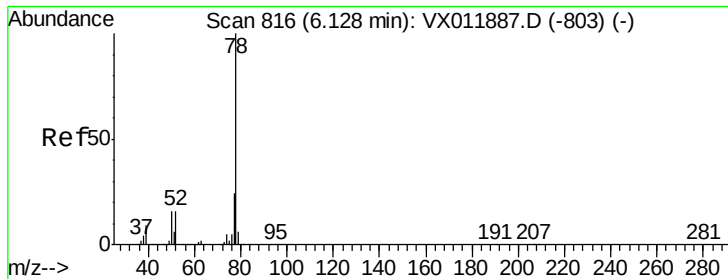
#39
Methylcyclohexane
Concen: 2.279 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

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



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





#40

Benzene

Concen: 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

Instrument :

MSVOA_X

ClientSampleId :

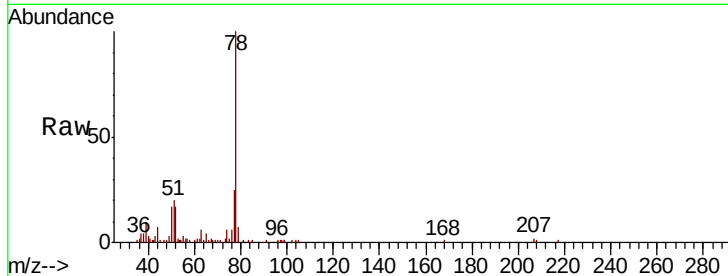
MDL05

Tgt Ion: 78 Resp: 24831

Ion Ratio Lower Upper

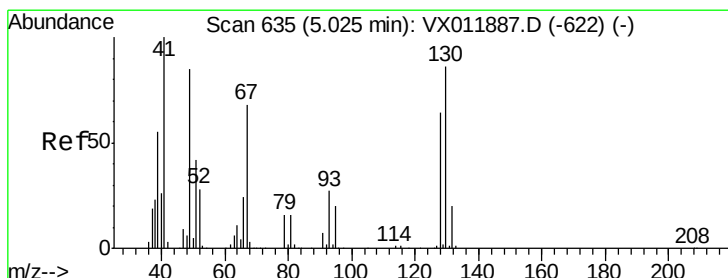
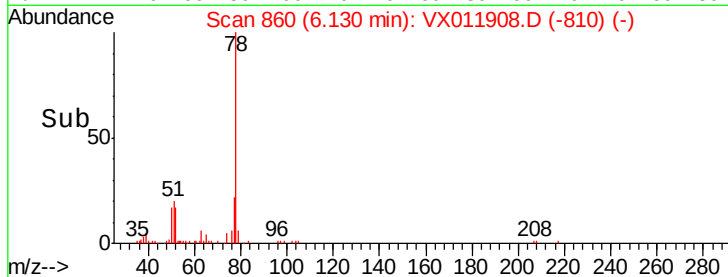
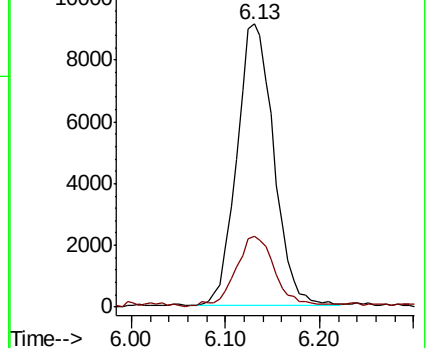
78 100

77 24.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#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

Tgt Ion: 41 Resp: 2628

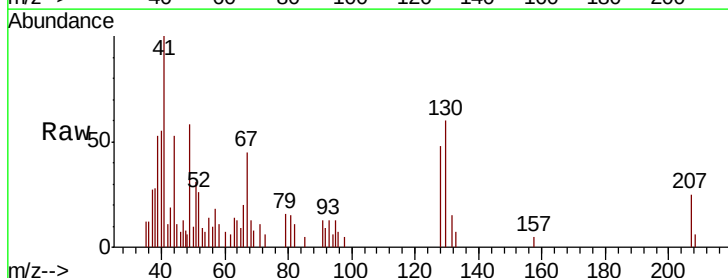
Ion Ratio Lower Upper

41 100

39 60.5 45.0 67.6

67 38.4 55.0 82.4#

52 32.0 24.1 36.1

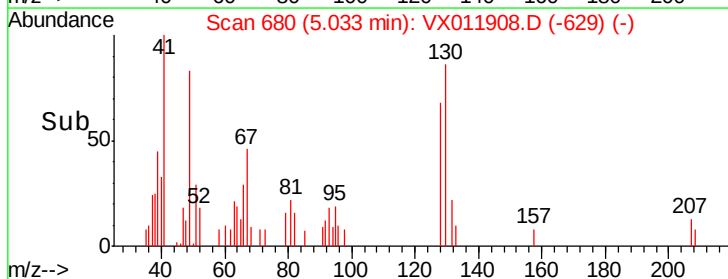
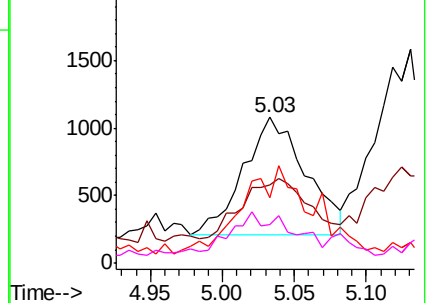


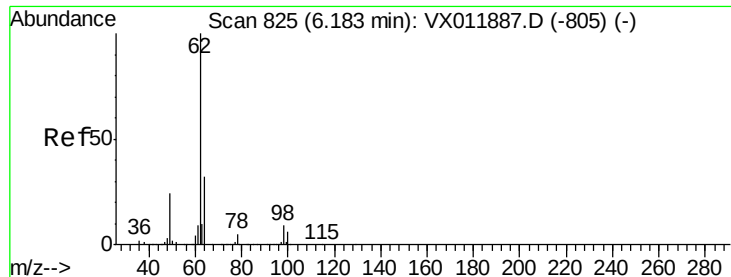
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 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

Instrument :

MSVOA_X

ClientSampleId :

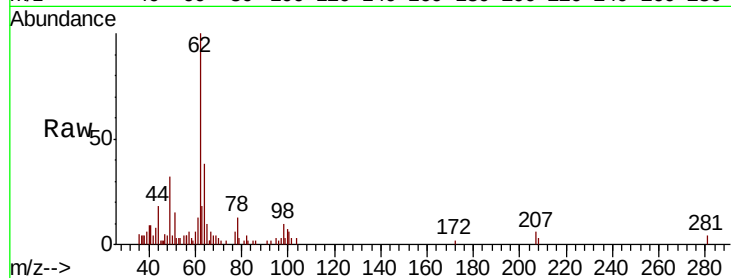
MDL05

Tgt Ion: 62 Resp: 9169

Ion Ratio Lower Upper

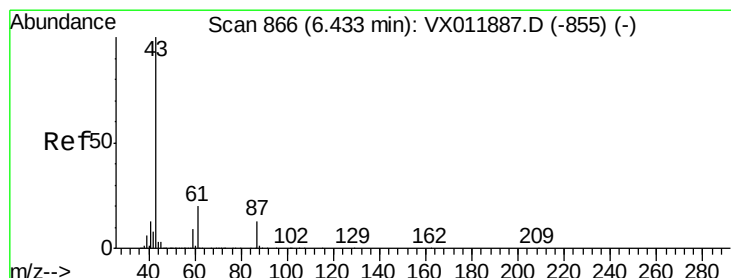
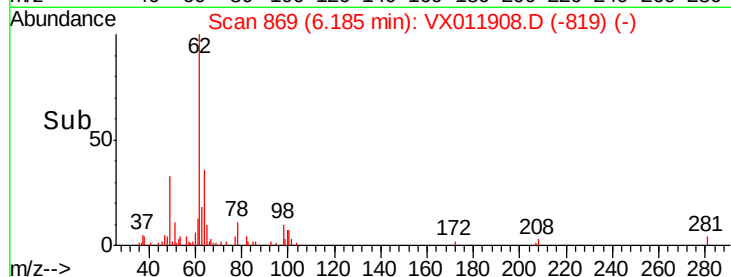
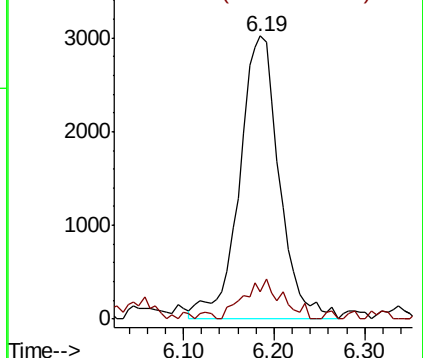
62 100

98 13.3 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#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

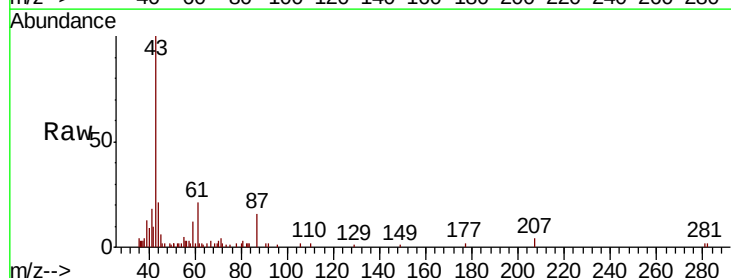
Tgt Ion: 43 Resp: 10052

Ion Ratio Lower Upper

43 100

61 22.1 16.1 24.1

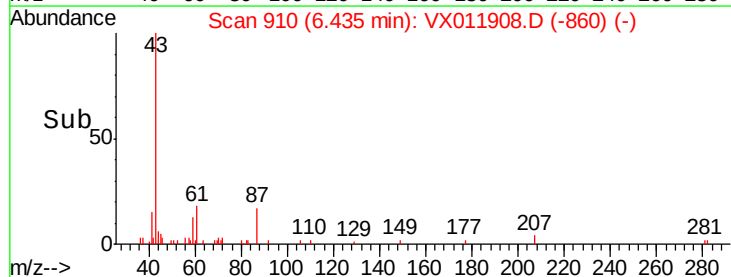
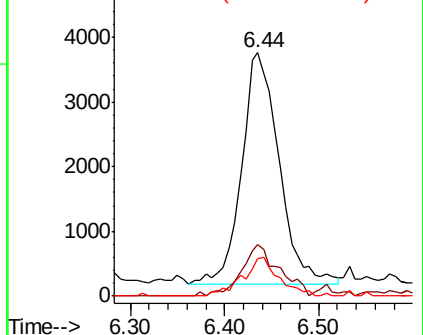
87 15.9 10.6 16.0

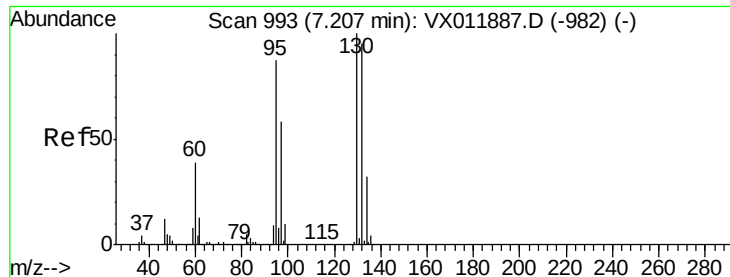


Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Instrument :

MSVOA_X

ClientSampleId :

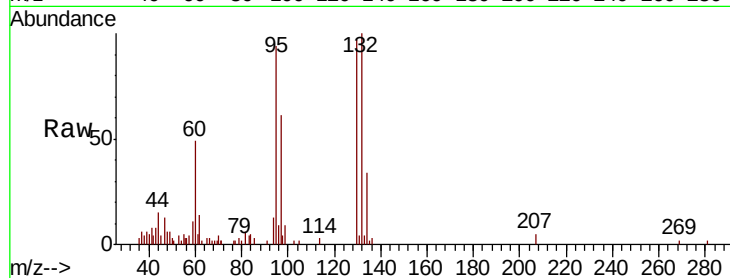
MDL05

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

7.20

4000

3000

2000

1000

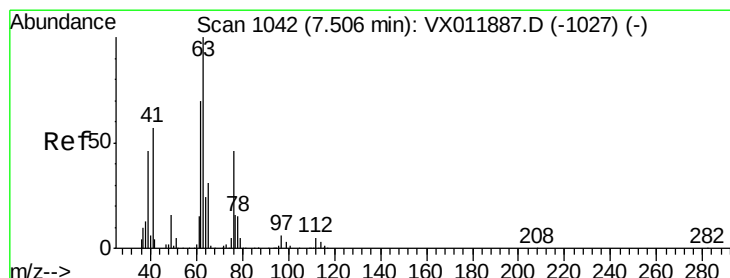
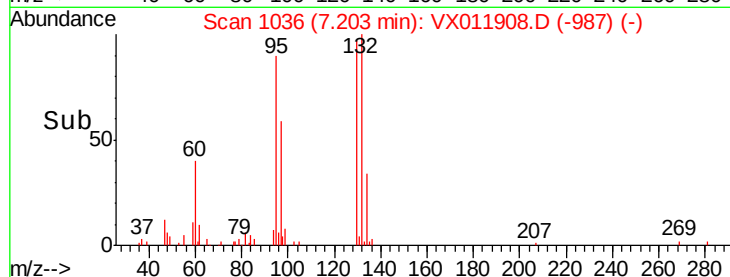
0

Time-->

7.10

7.20

7.30



#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

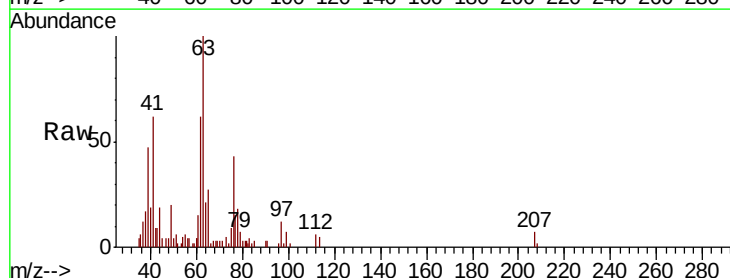
Acq: 30 Aug 2019 14:34

Tgt Ion: 63 Resp: 6372

Ion Ratio Lower Upper

63 100

65 25.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.50

3000

2000

1000

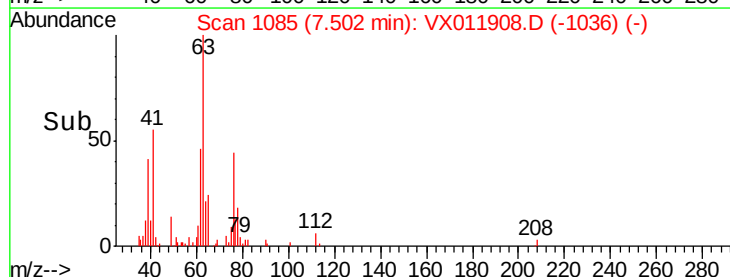
0

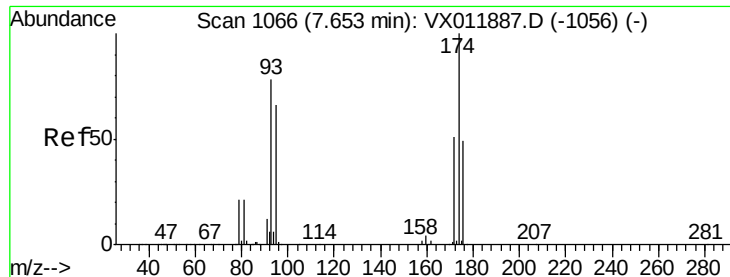
Time-->

7.40

7.50

7.60





#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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

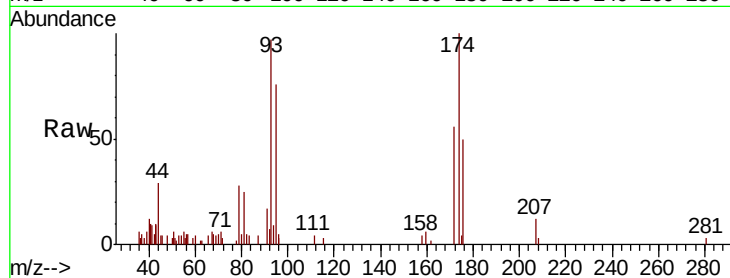
Tgt Ion: 93 Resp: 4116

Ion Ratio Lower Upper

93 100

95 85.3 65.7 98.5

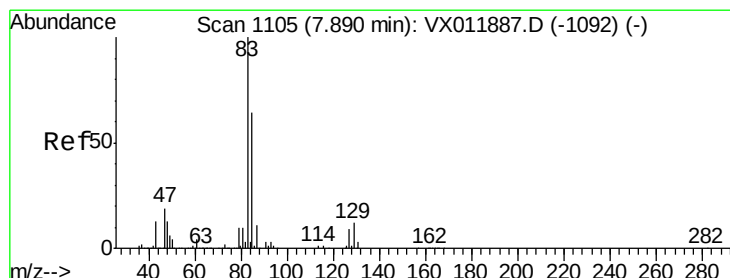
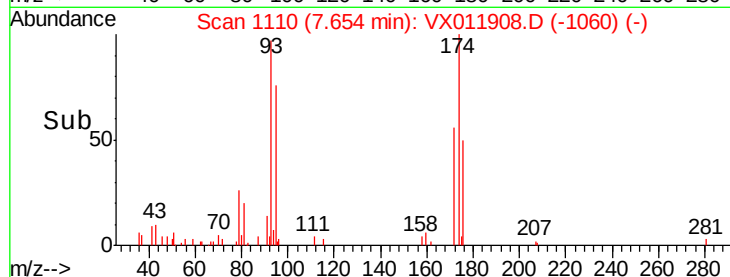
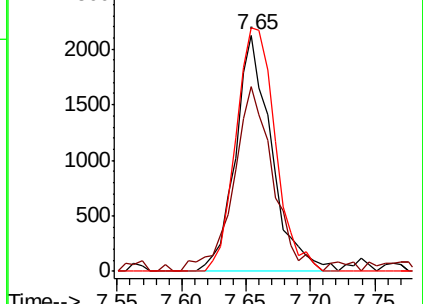
174 112.6 104.2 156.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 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

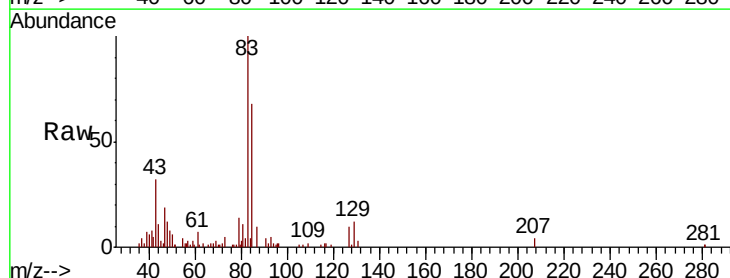
Tgt Ion: 83 Resp: 10091

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7

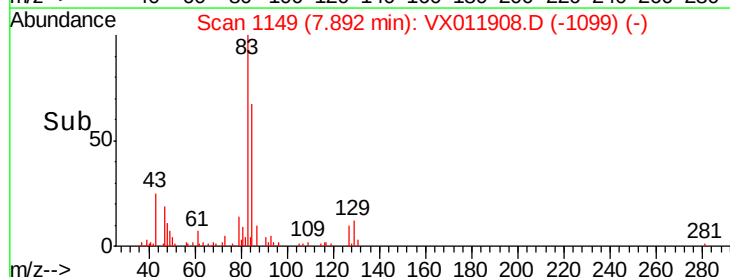
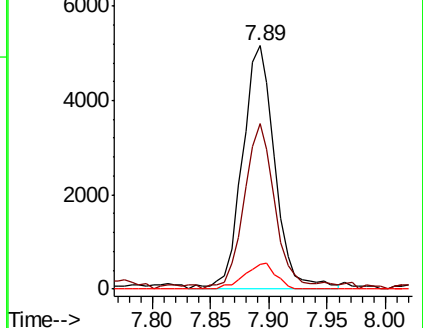
127 9.9 7.4 11.2

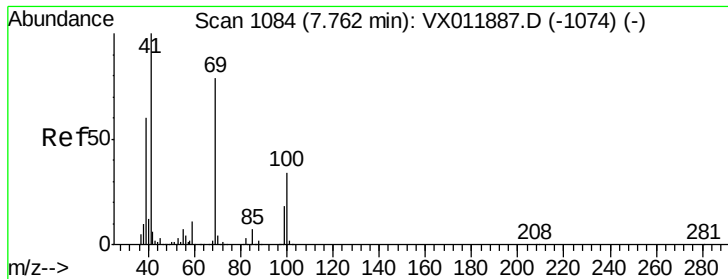


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

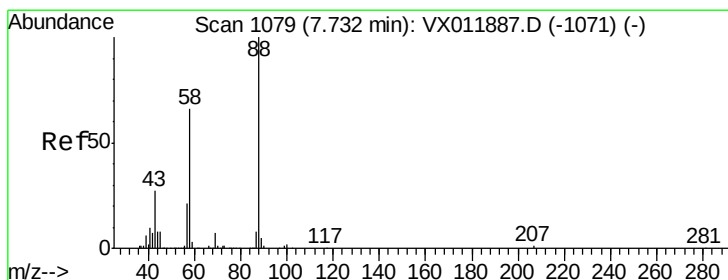
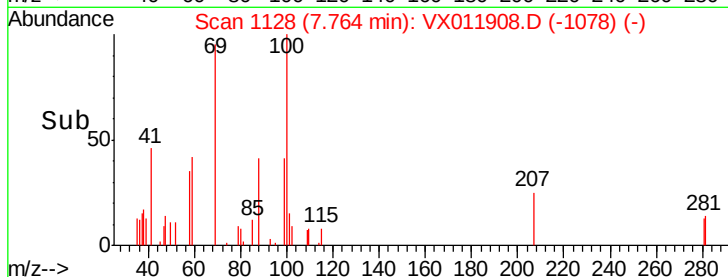
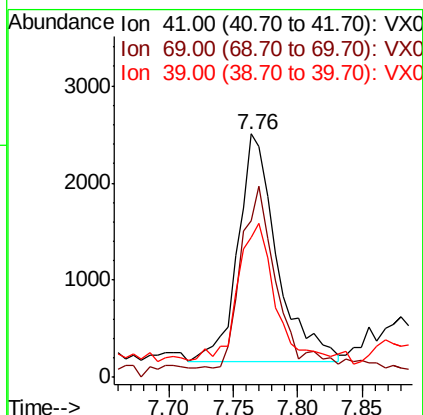
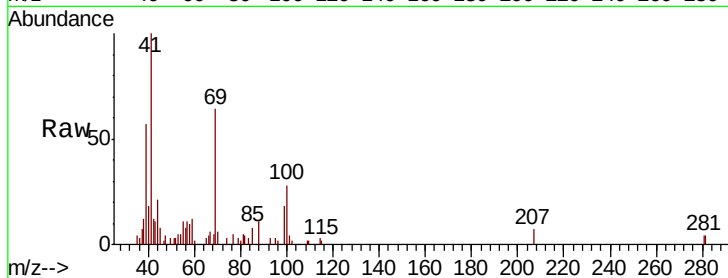




#48
Methyl methacrylate
Concen: 1.994 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

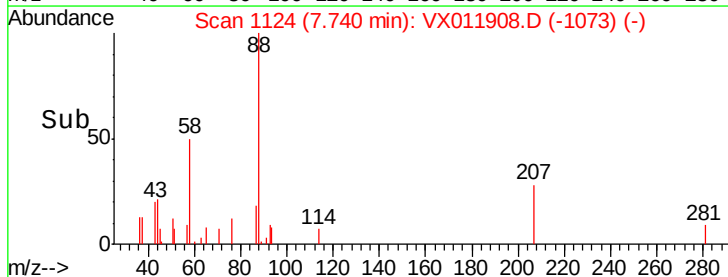
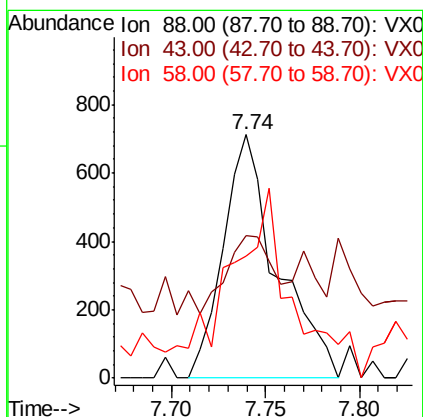
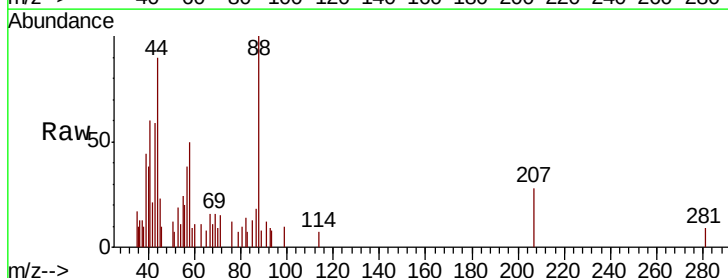
Instrument :
MSVOA_X
ClientSampleId :
MDL05

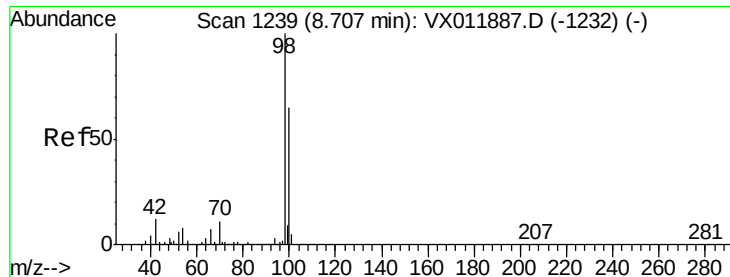
Tgt Ion: 41 Resp: 4875
Ion Ratio Lower Upper
41 100
69 71.2 64.4 96.6
39 58.4 47.2 70.8



#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

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#

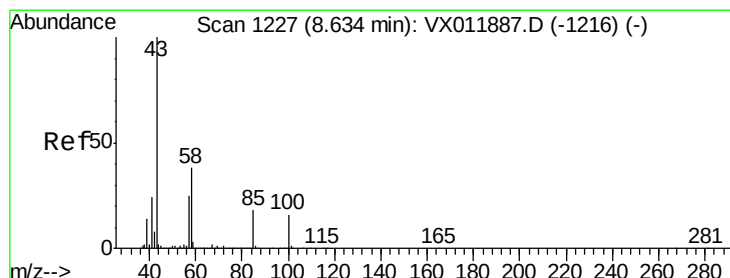
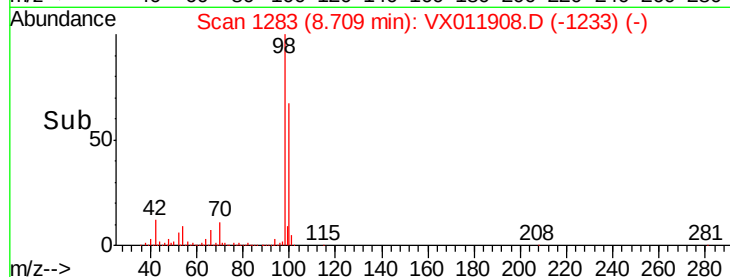
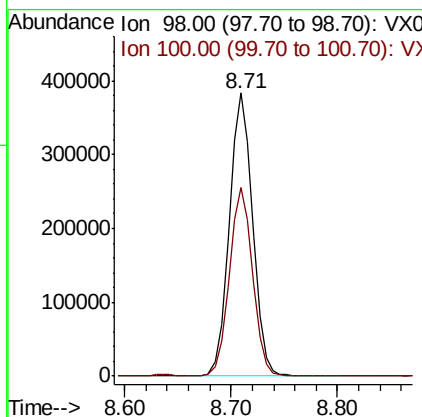
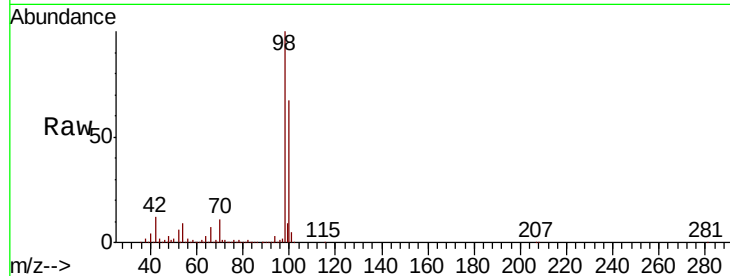




#50
Toluene-d8
Concen: 48.668 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

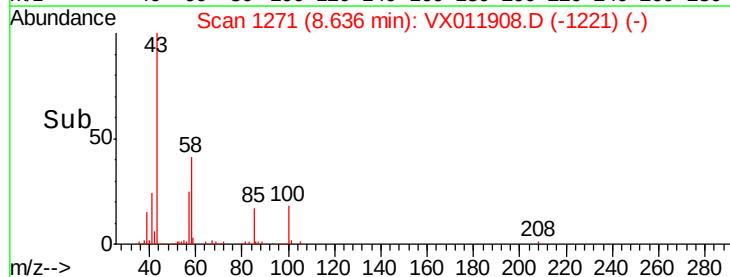
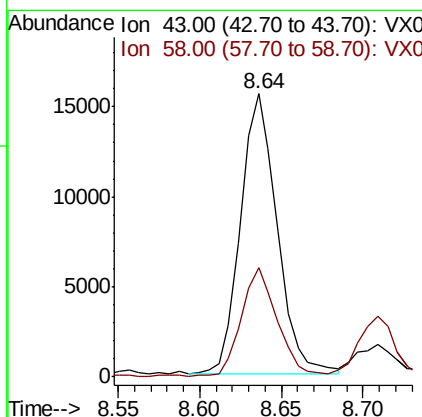
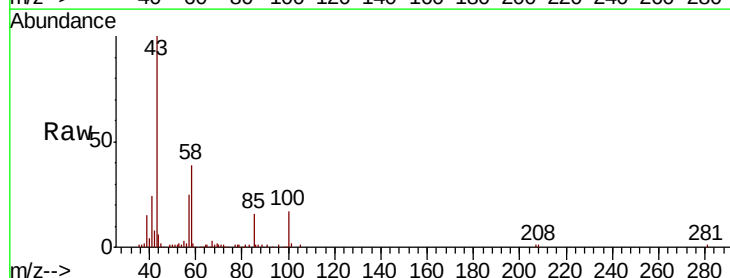
Instrument :
MSVOA_X
ClientSampleId :
MDL05

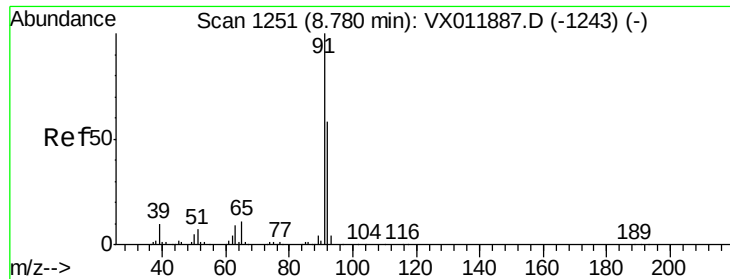
Tgt Ion: 98 Resp: 589419
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#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

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

Instrument :

MSVOA_X

ClientSampleId :

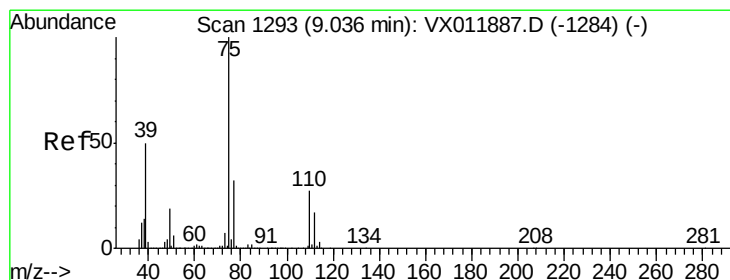
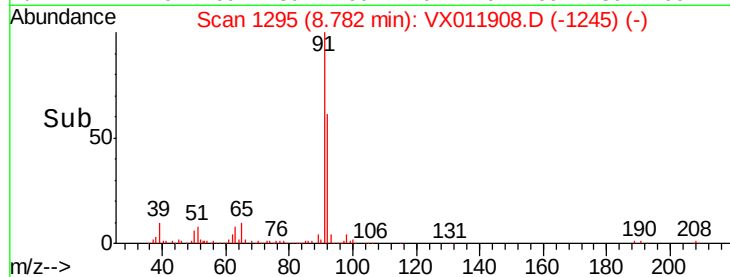
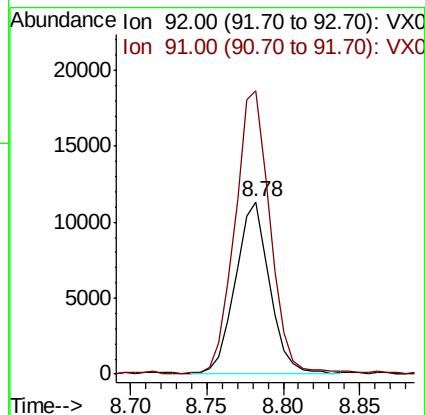
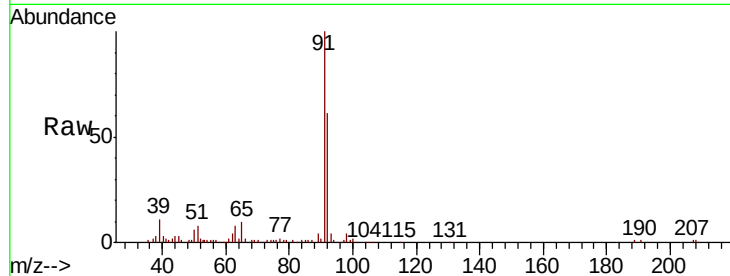
MDL05

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

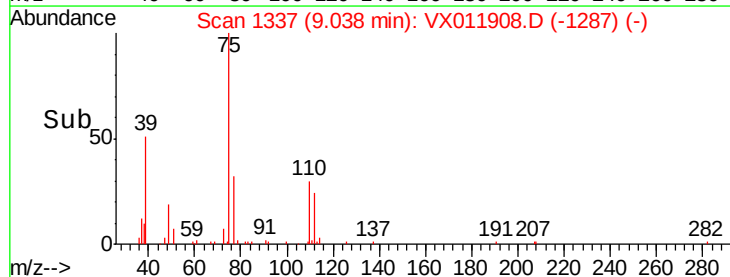
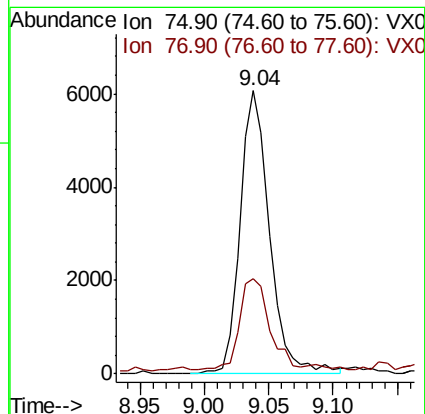
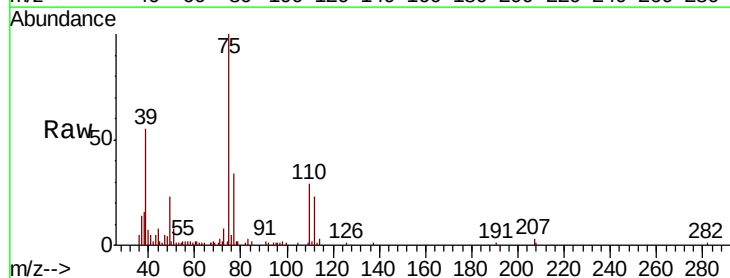
Acq: 30 Aug 2019 14:34

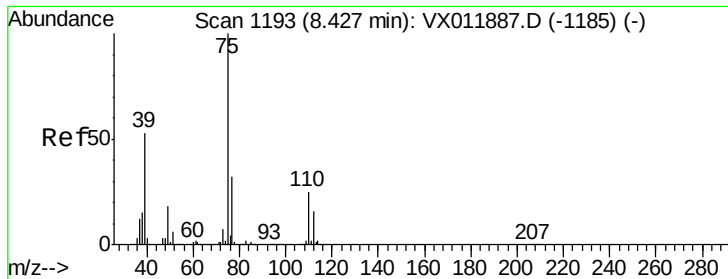
Tgt Ion: 75 Resp: 9564

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



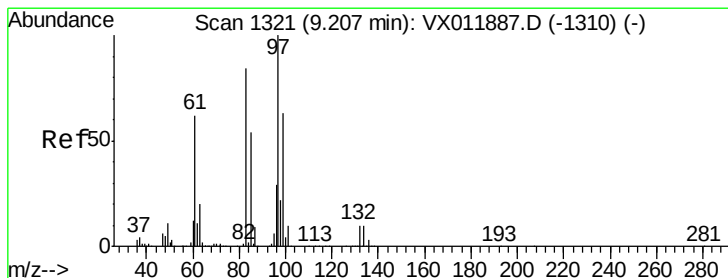
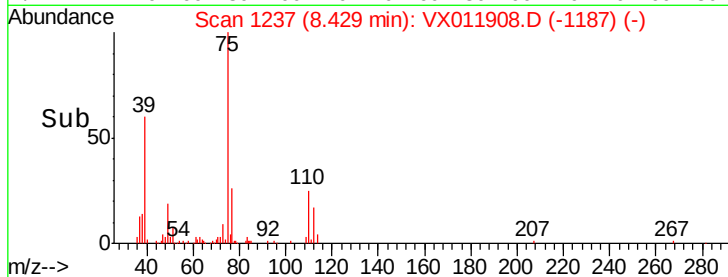
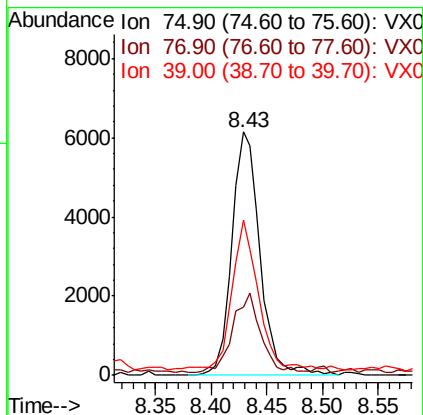
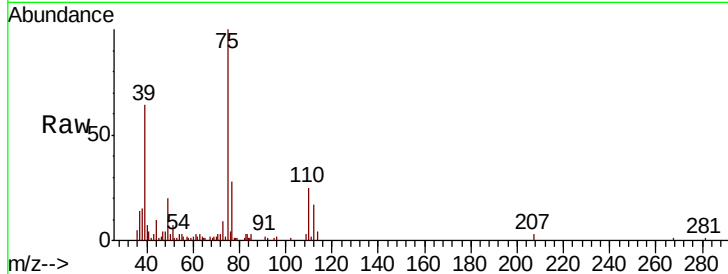


#54

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

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

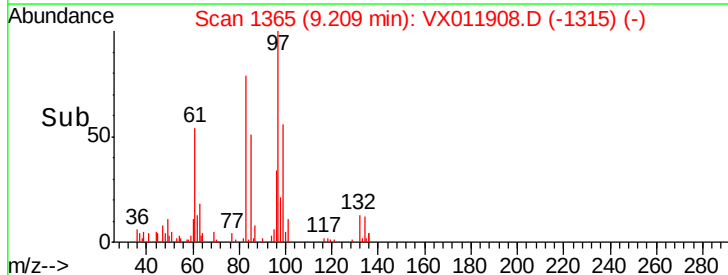
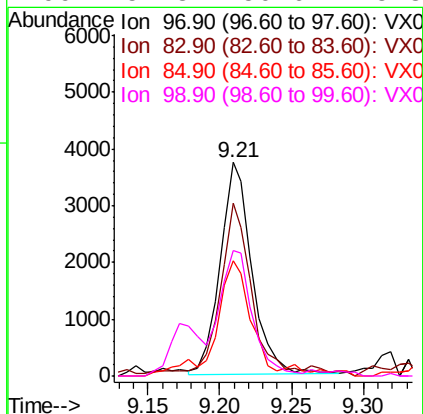
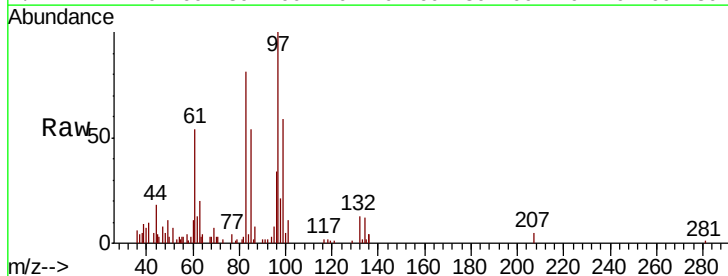
Tgt Ion	Ratio	Lower	Upper
75	100		
77	26.7	25.5	38.3
39	60.6	42.6	64.0

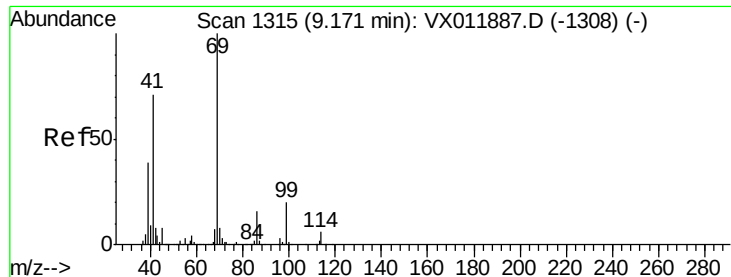


#55

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

Tgt 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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

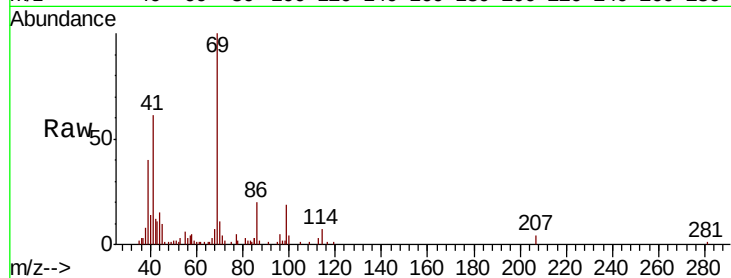
Tgt Ion: 69 Resp: 6989

Ion Ratio Lower Upper

69 100

41 69.2 55.8 83.8

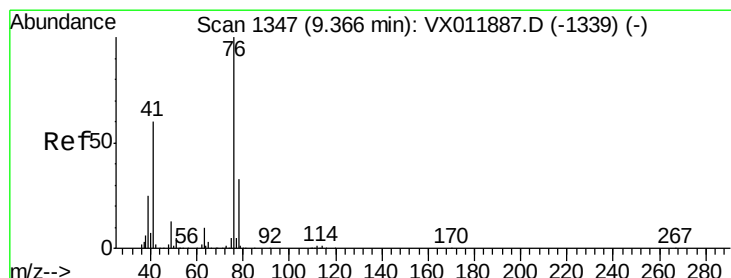
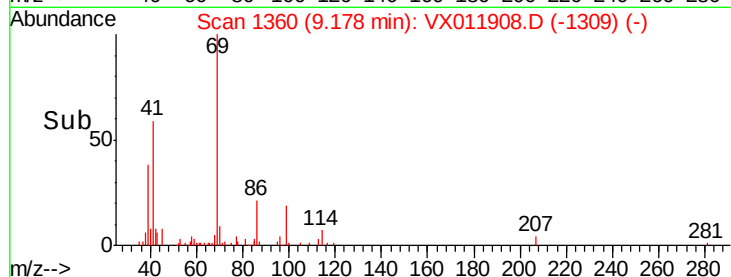
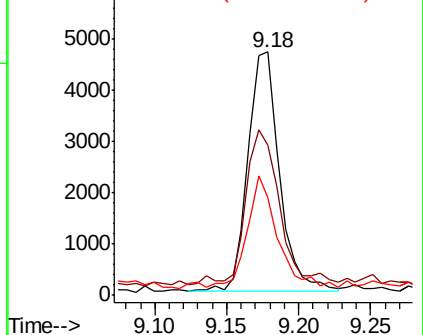
39 44.7 31.1 46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.948 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011908.D

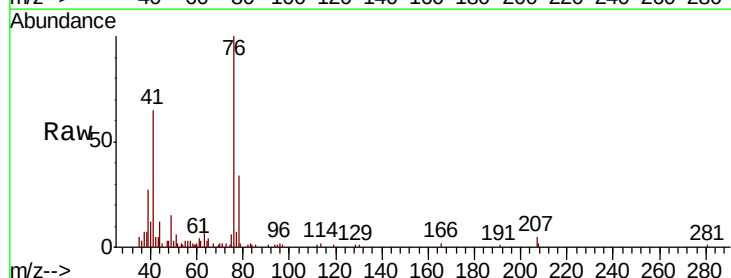
Acq: 30 Aug 2019 14:34

Tgt Ion: 76 Resp: 9182

Ion Ratio Lower Upper

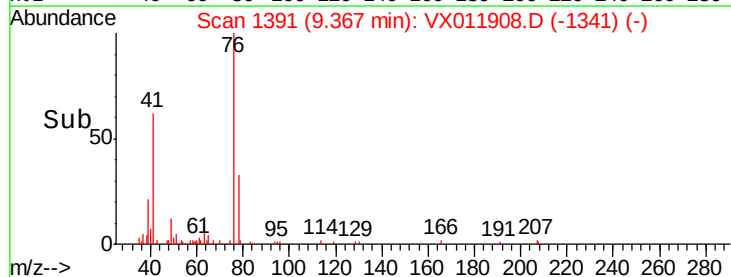
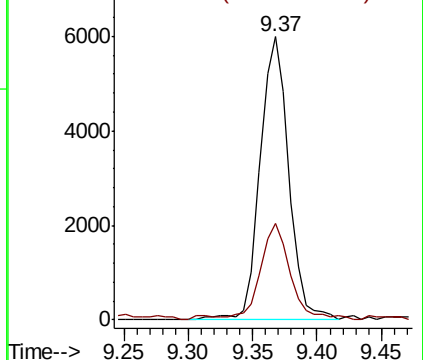
76 100

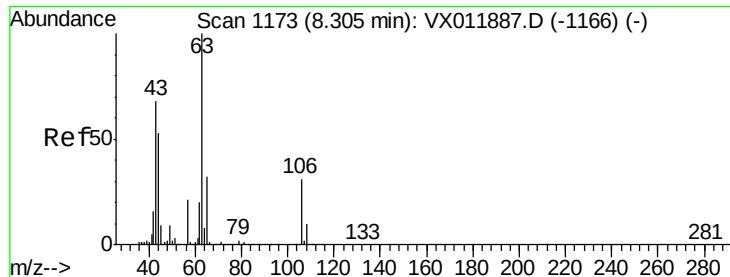
78 35.6 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

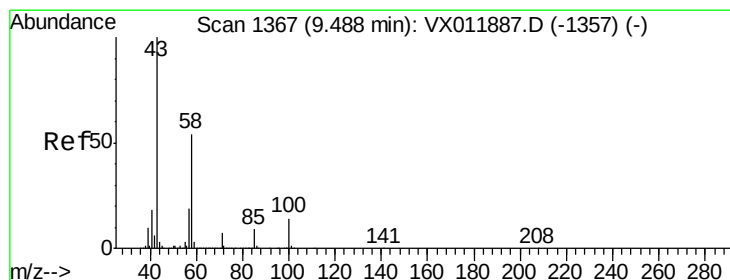
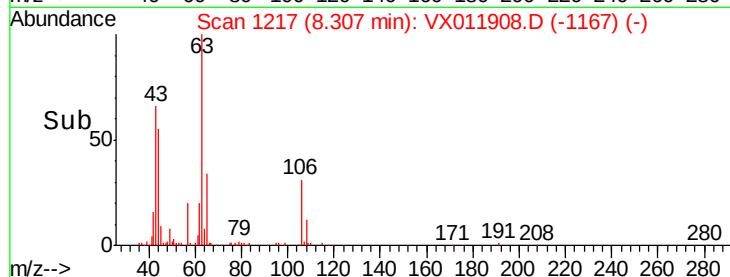
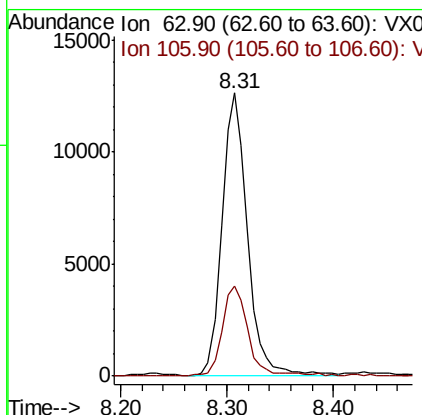
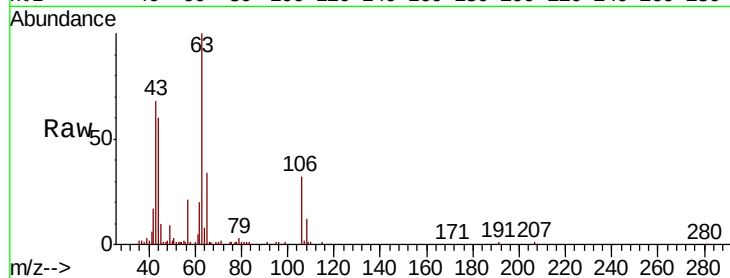




#58
 2-Chloroethyl Vinyl ether
 Concen: 11.280 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

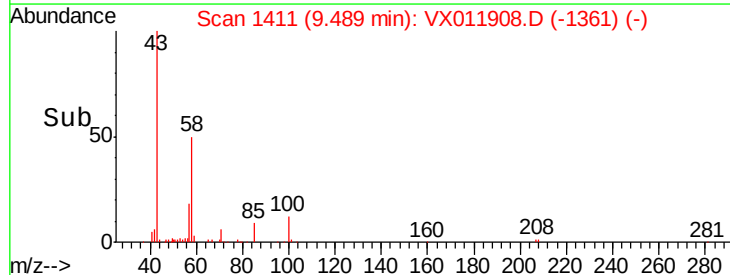
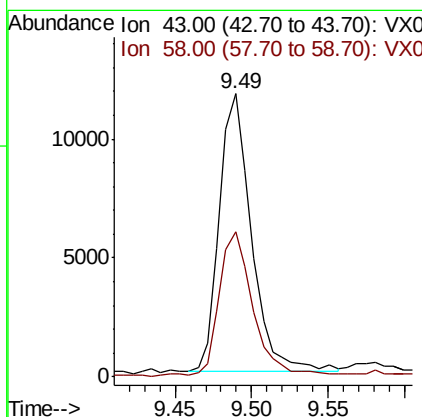
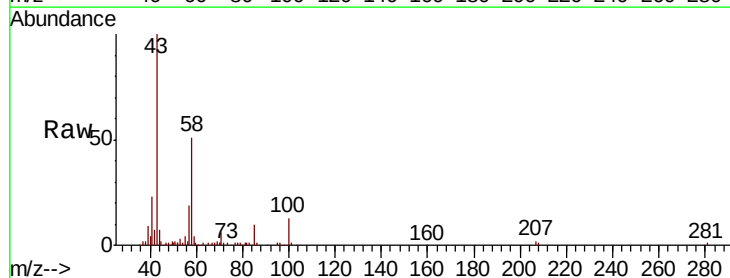
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

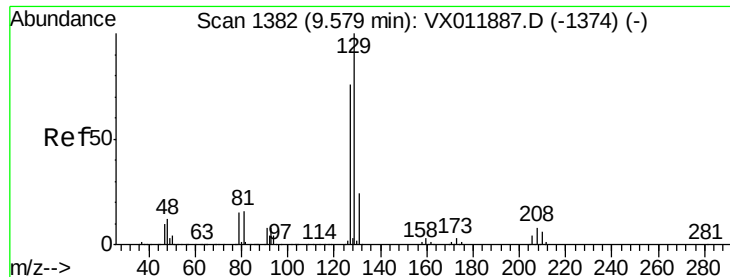
Tgt Ion: 63 Resp: 21173
 Ion Ratio Lower Upper
 63 100
 106 32.3 24.8 37.2



#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

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

Instrument :

MSVOA_X

ClientSampled :

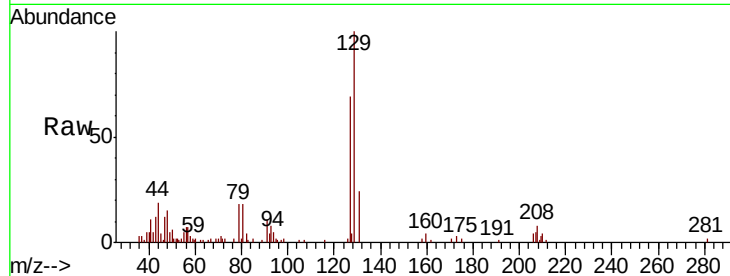
MDL05

Tgt Ion:129 Resp: 7393

Ion Ratio Lower Upper

129 100

127 75.8 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

5000

4000

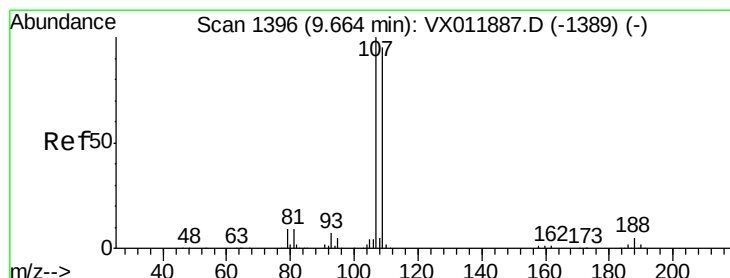
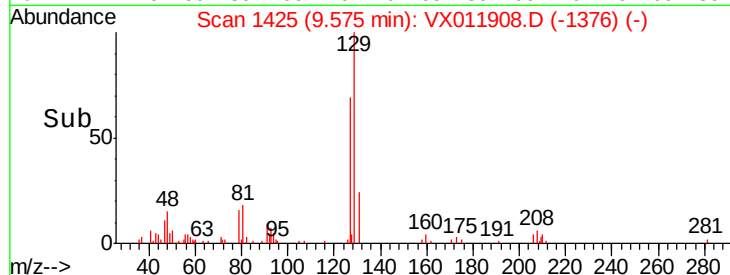
3000

2000

1000

0

Time--> 9.50 9.55 9.60 9.65



#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

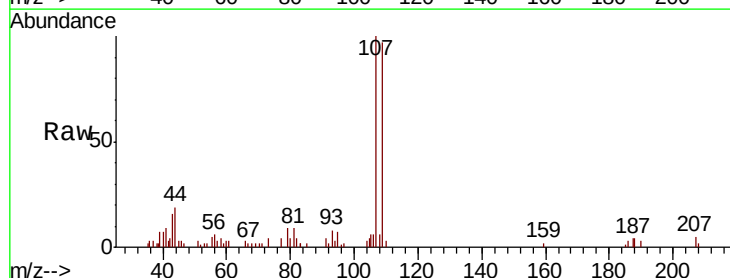
Acq: 30 Aug 2019 14:34

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

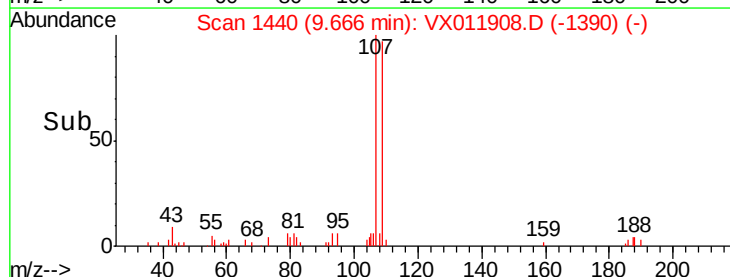
3000

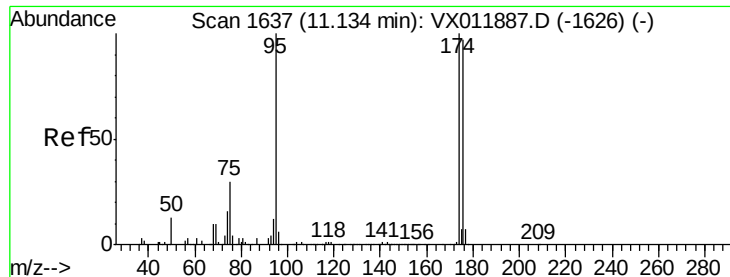
2000

1000

0

Time--> 9.60 9.65 9.70 9.75





#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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

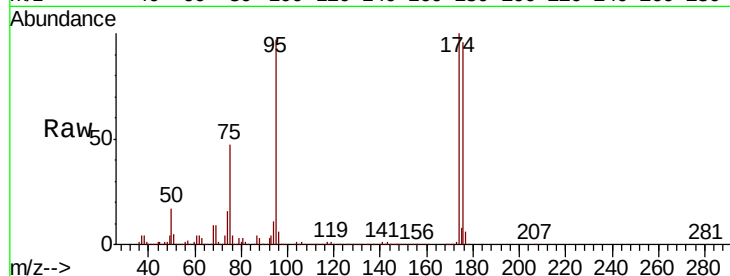
Tgt Ion: 95 Resp: 234854

Ion Ratio Lower Upper

95 100

174 98.5 0.0 196.0

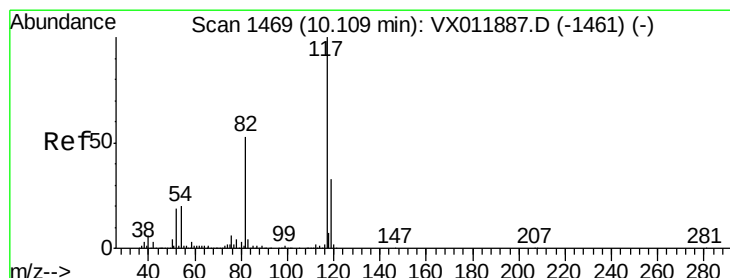
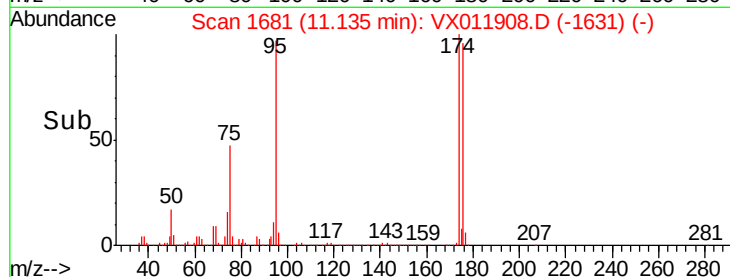
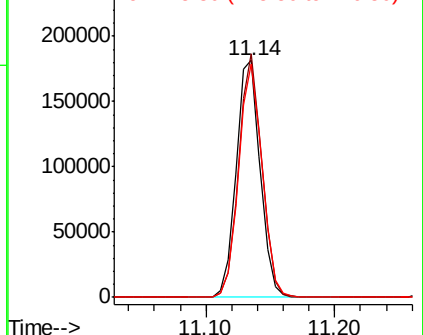
176 95.9 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#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

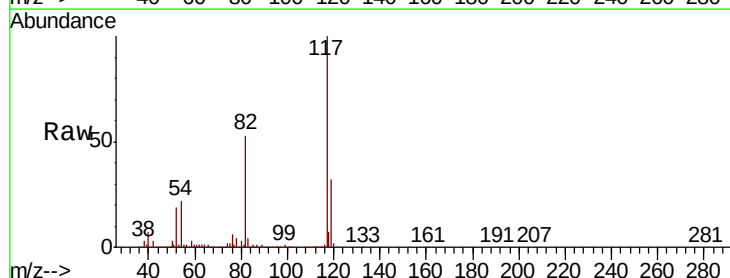
Tgt Ion: 117 Resp: 482173

Ion Ratio Lower Upper

117 100

82 52.8 42.0 63.0

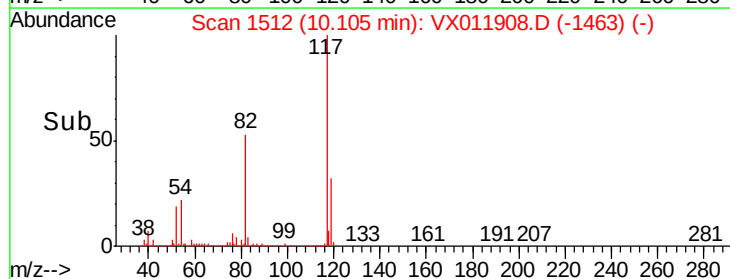
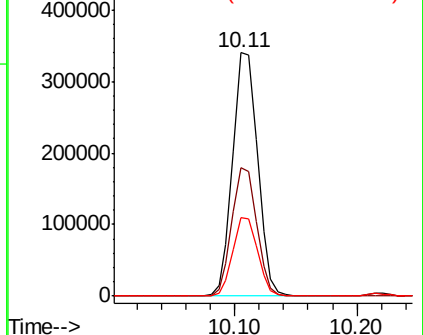
119 32.1 26.2 39.4

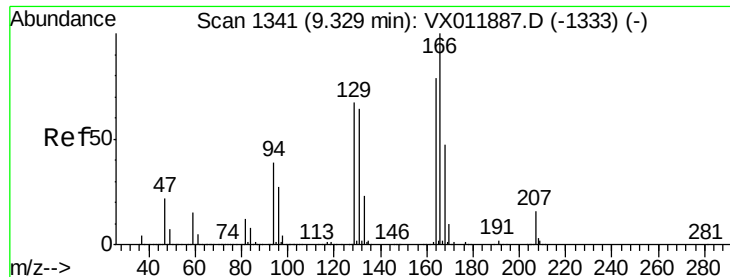


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)





#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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tgt Ion:164 Resp: 8597

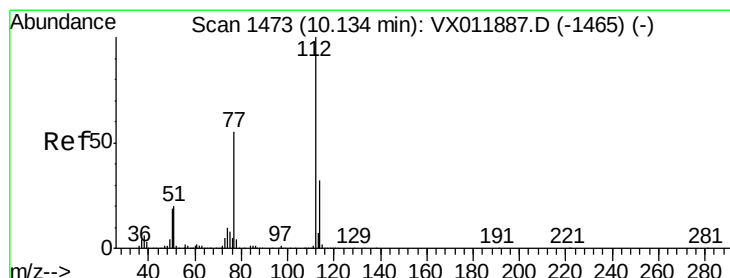
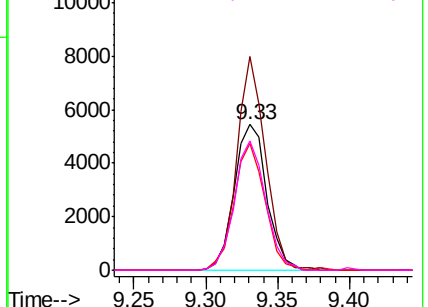
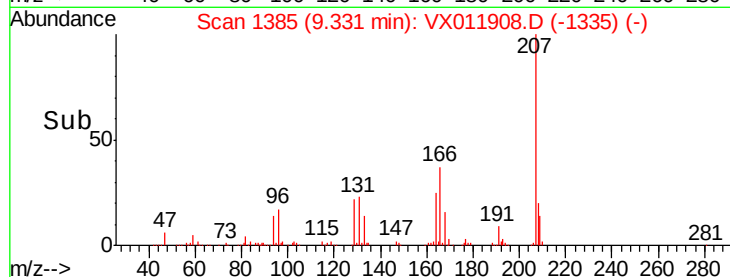
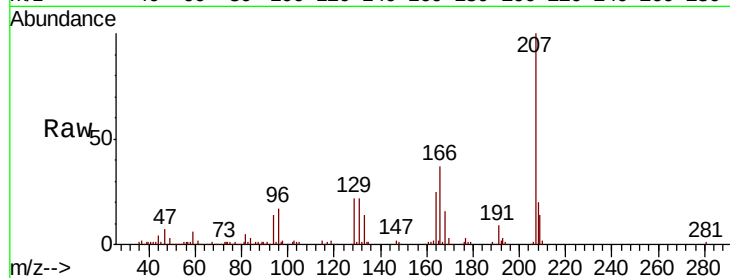
Ion Ratio Lower Upper

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

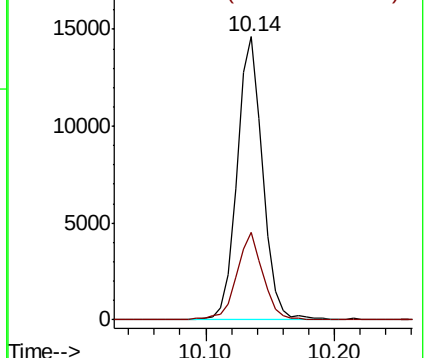
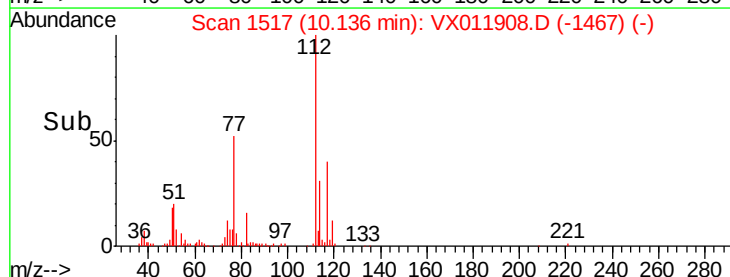
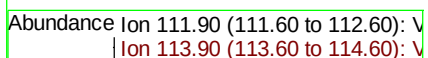
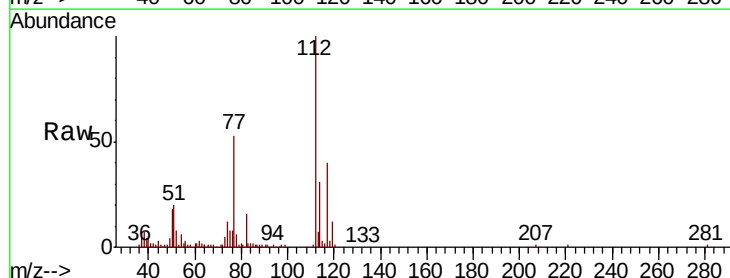
Acq: 30 Aug 2019 14:34

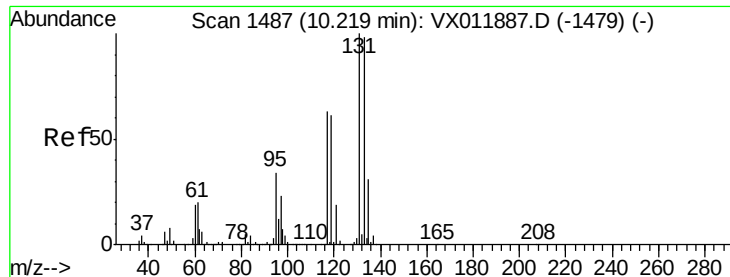
Tgt Ion:112 Resp: 20011

Ion Ratio Lower Upper

112 100

114 30.7 25.9 38.9

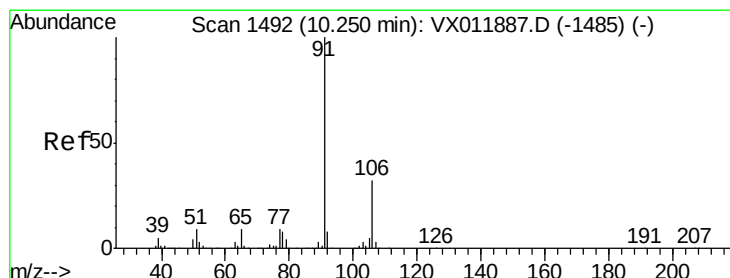
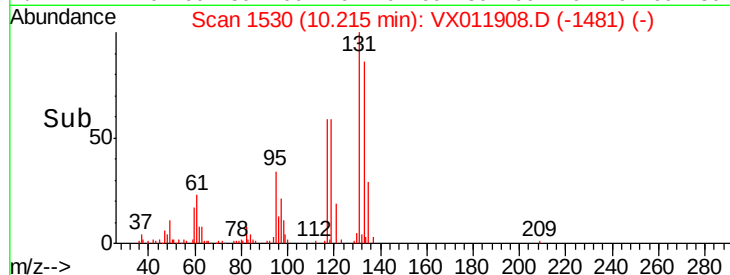
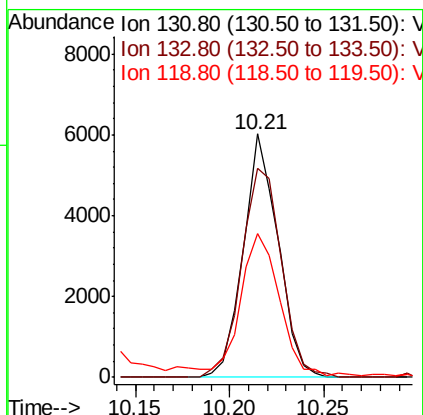
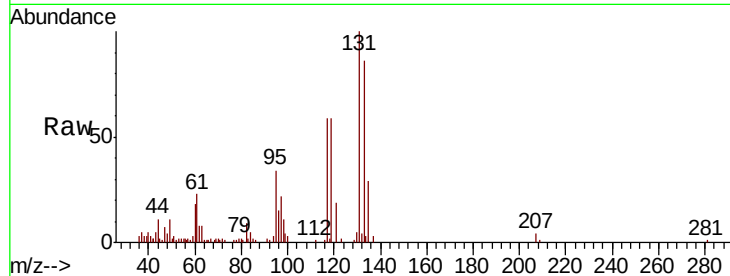




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.041 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

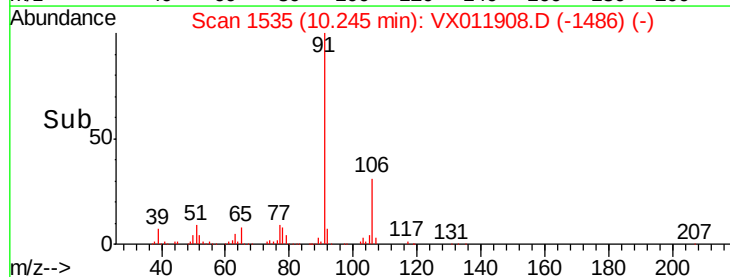
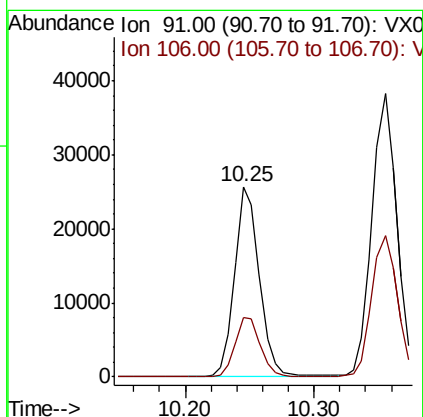
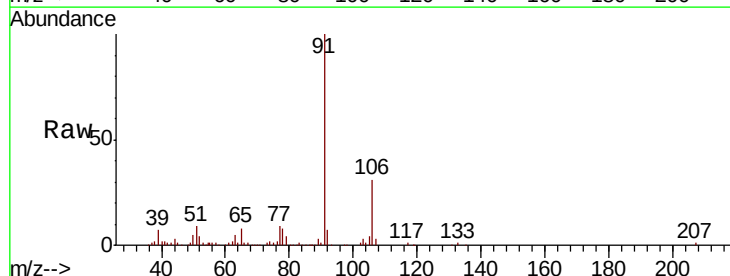
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

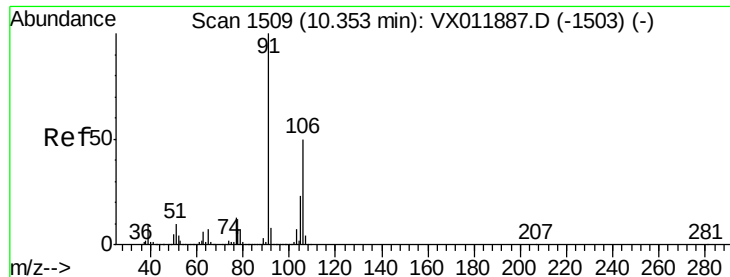
Tgt Ion: 131 Resp: 7711
 Ion Ratio Lower Upper
 131 100
 133 98.7 48.4 145.0
 119 64.0 30.6 92.0



#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

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

Instrument :

MSVOA_X

ClientSampleId :

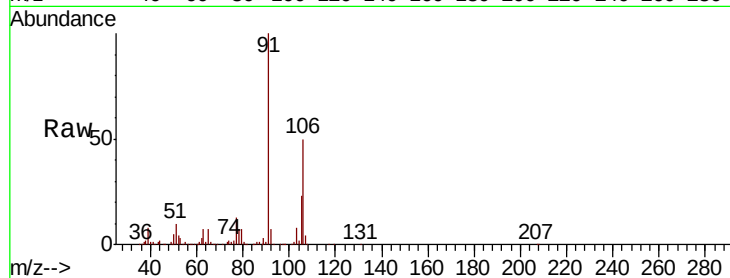
MDL05

Tgt Ion:106 Resp: 26236

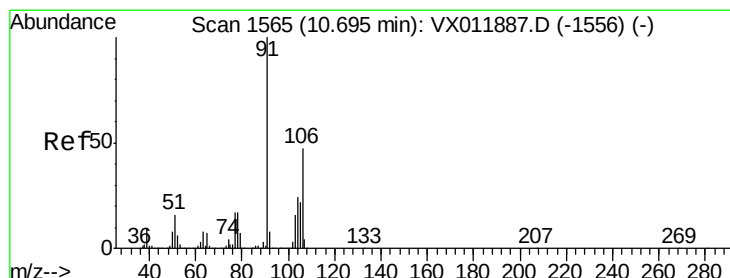
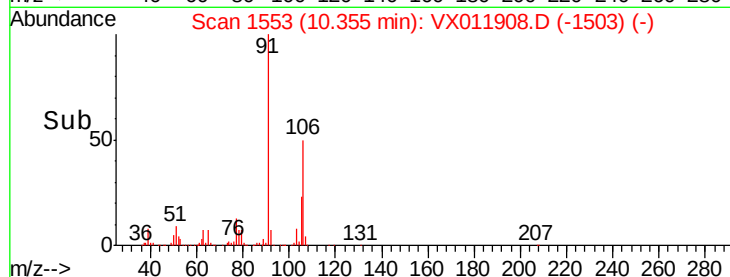
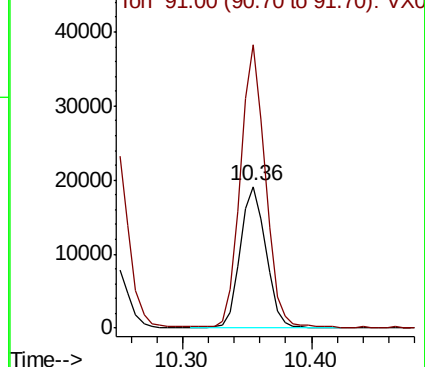
Ion Ratio Lower Upper

106 100

91 194.2 158.6 237.8



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 2.129 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX011908.D

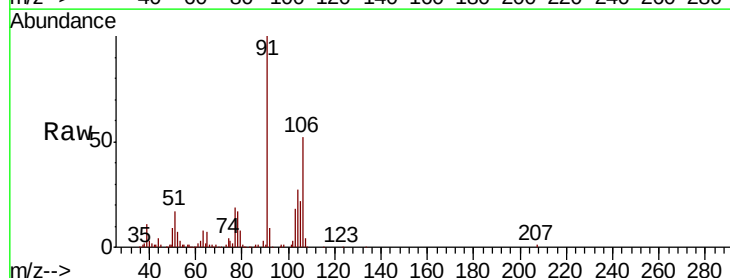
Acq: 30 Aug 2019 14:34

Tgt Ion:106 Resp: 12735

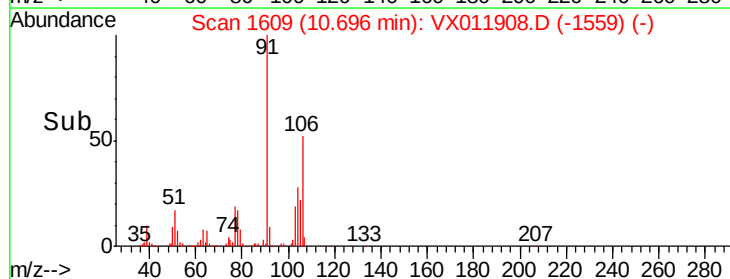
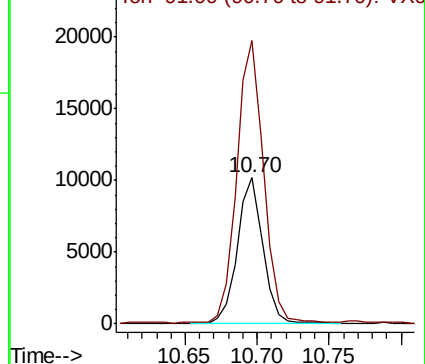
Ion Ratio Lower Upper

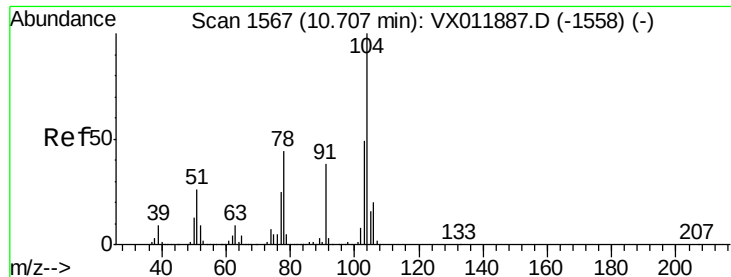
106 100

91 199.3 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

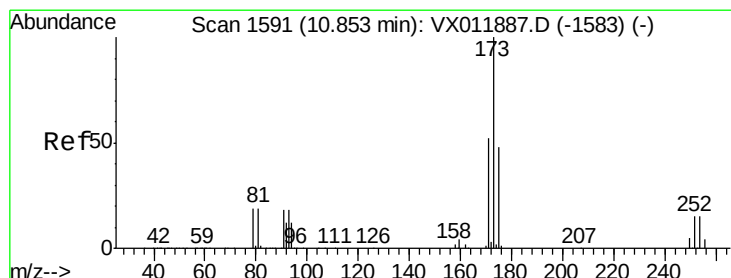
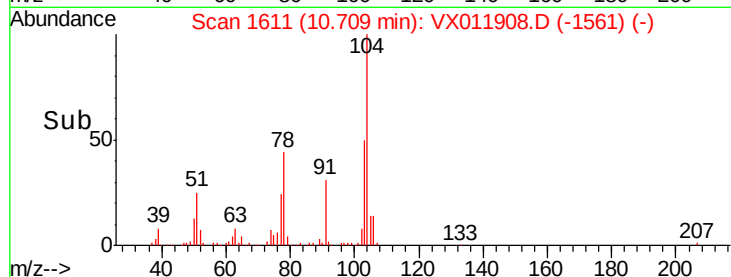
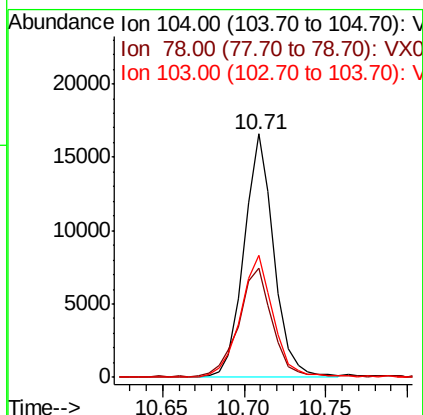
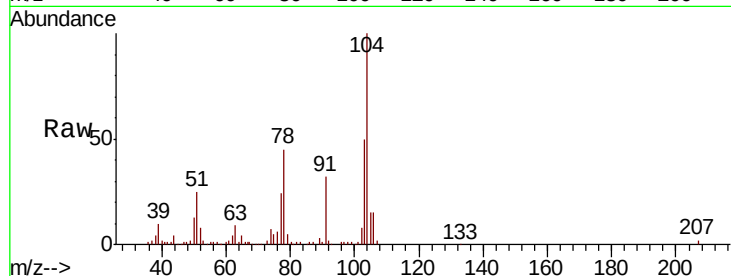




#70
Styrene
Concen: 2.004 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011908.D
Acq: 30 Aug 2019 14:34

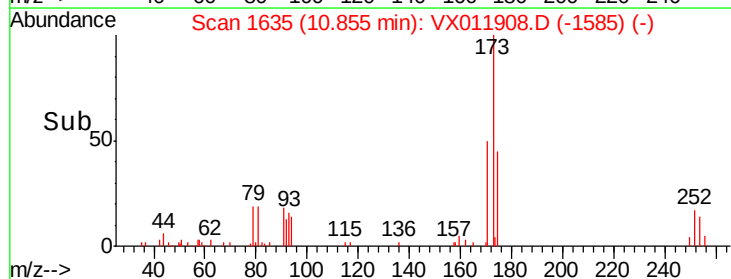
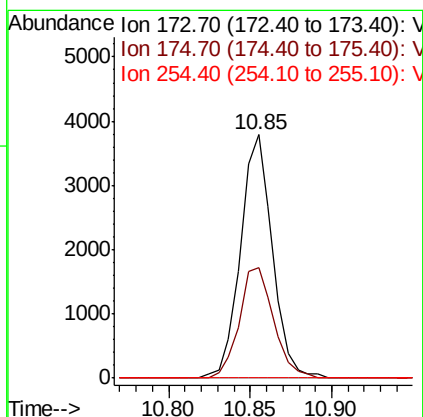
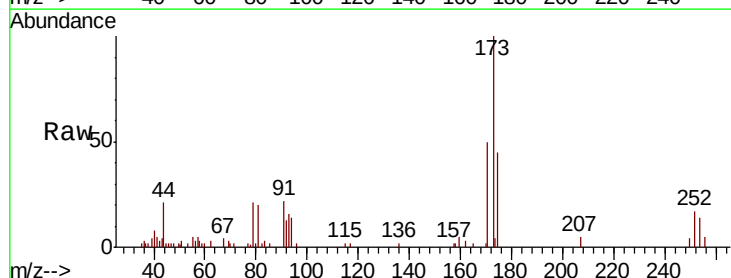
Instrument :
MSVOA_X
ClientSampleId :
MDL05

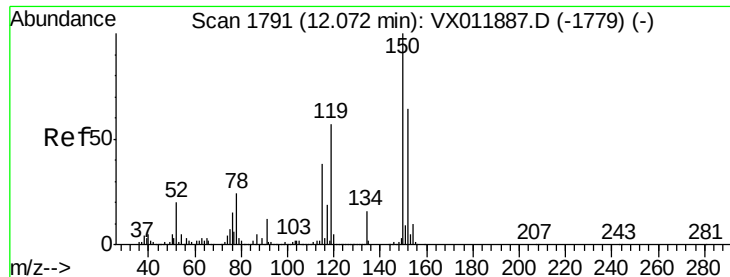
Tgt Ion:104 Resp: 21125
Ion Ratio Lower Upper
104 100
78 51.7 39.2 58.8
103 55.0 43.0 64.6



#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

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#

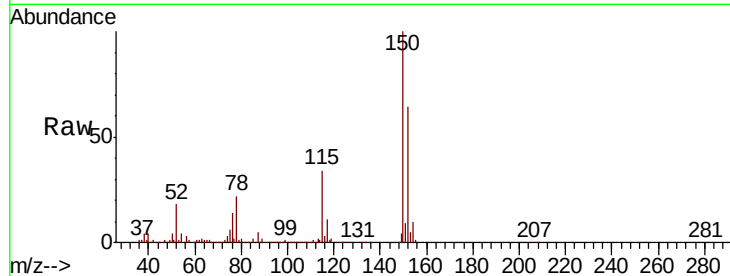




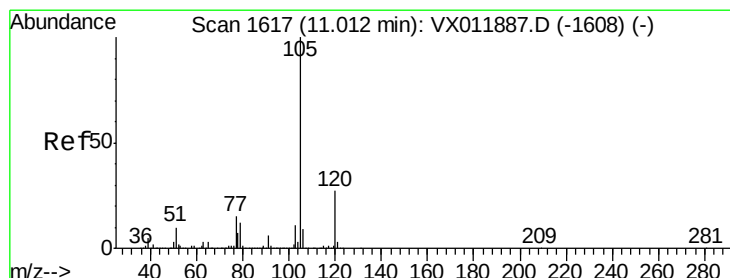
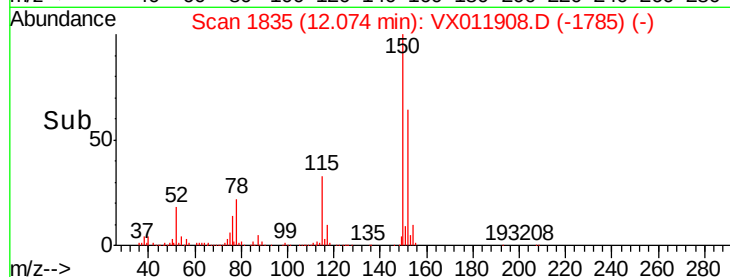
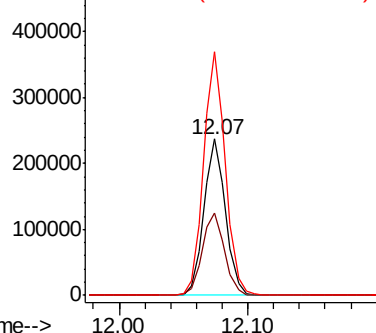
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

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

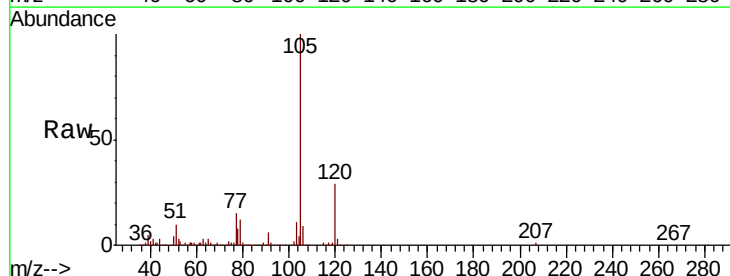


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

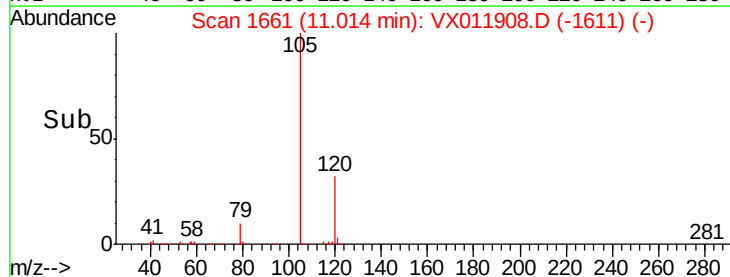
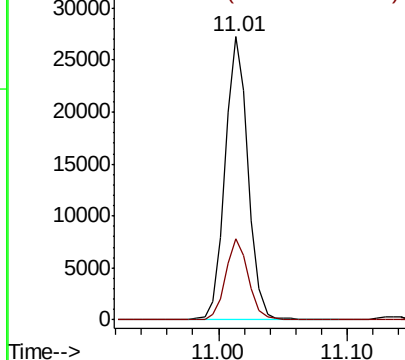


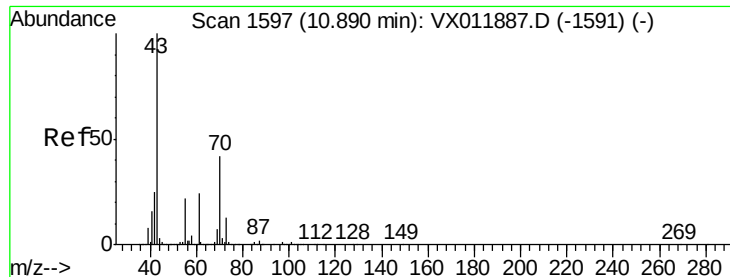
#73
 Isopropylbenzene
 Concen: 2.152 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion:105 Resp: 34156
 Ion Ratio Lower Upper
 105 100
 120 28.4 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#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

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 9607

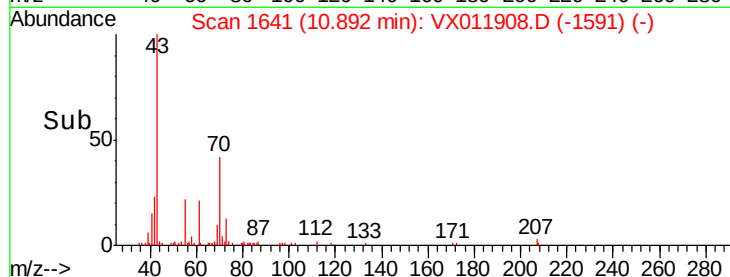
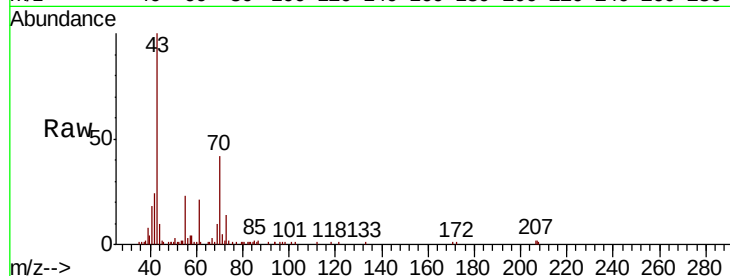
Ion Ratio Lower Upper

43 100

70 45.8 0.2 0.2#

55 23.6 0.1 0.1#

61 23.7 16.4 24.6

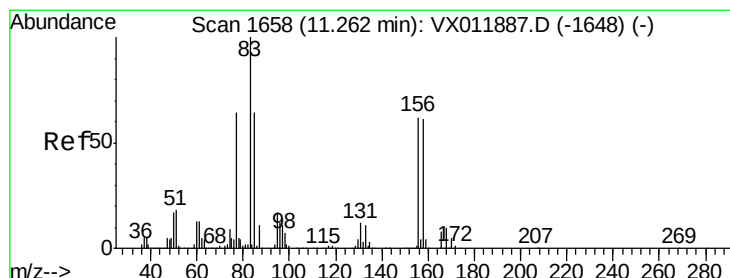
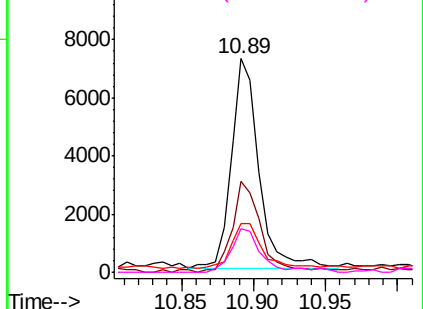


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#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

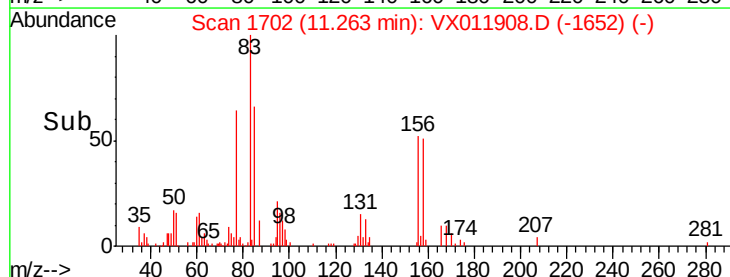
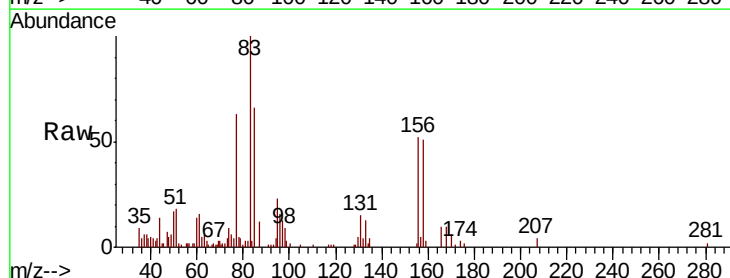
Tgt Ion: 83 Resp: 6860

Ion Ratio Lower Upper

83 100

131 14.7 6.0 18.0

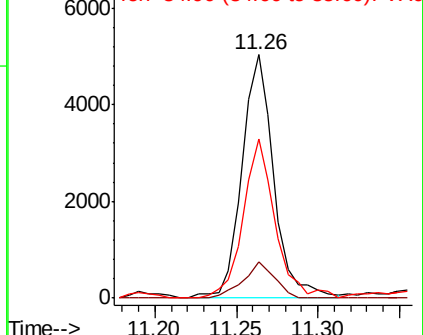
85 65.8 31.9 95.9

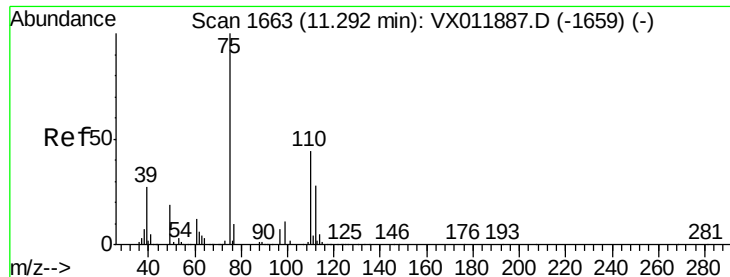


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

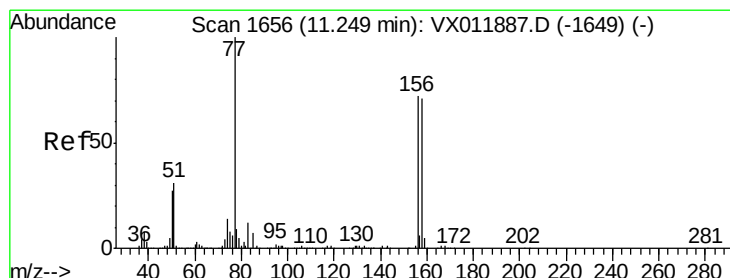
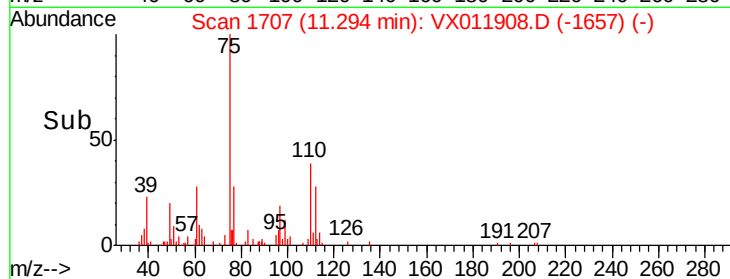
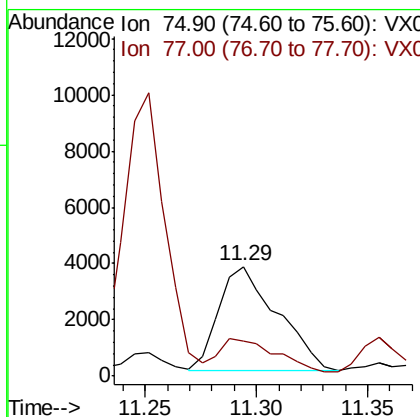
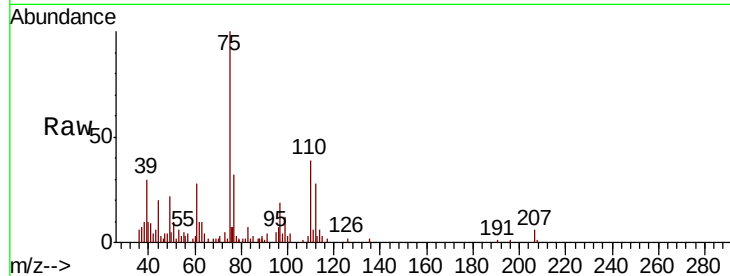




#76
 1,2,3-Trichloropropane
 Concen: 2.494 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

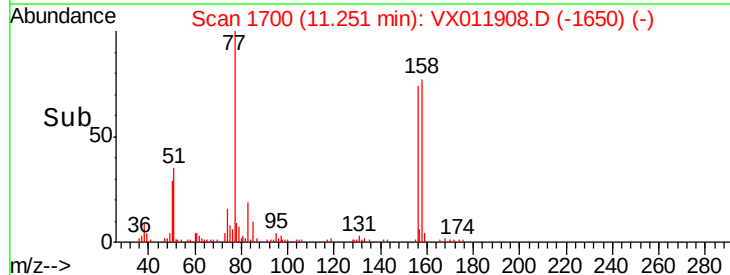
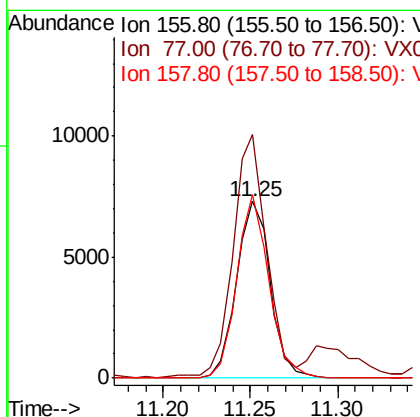
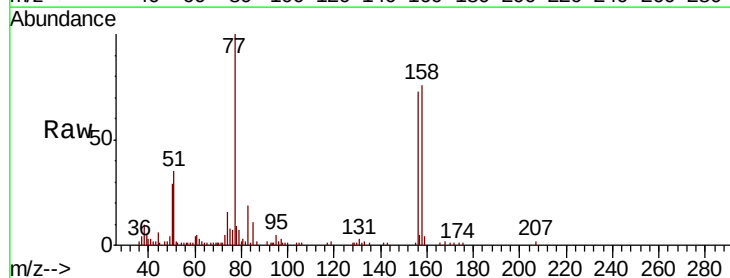
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

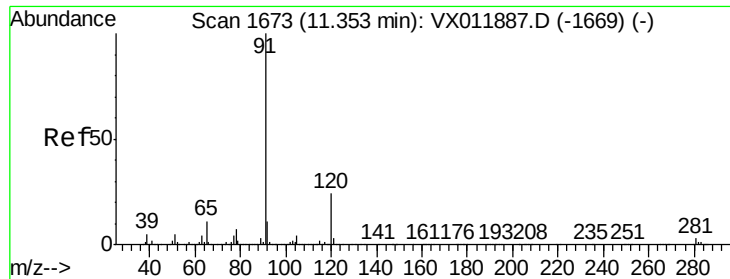
Tgt Ion: 75 Resp: 6778
 Ion Ratio Lower Upper
 75 100
 77 31.0 20.9 62.7



#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

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





#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

Instrument :

MSVOA_X

ClientSampleId :

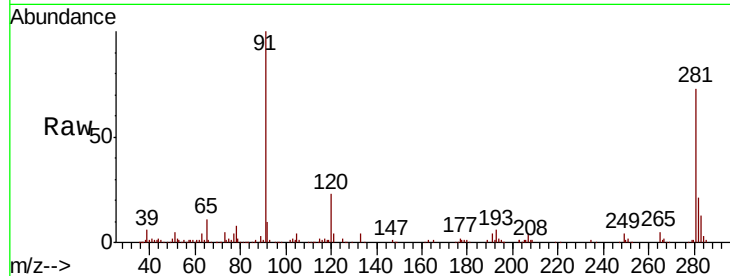
MDL05

Tgt Ion: 91 Resp: 39430

Ion Ratio Lower Upper

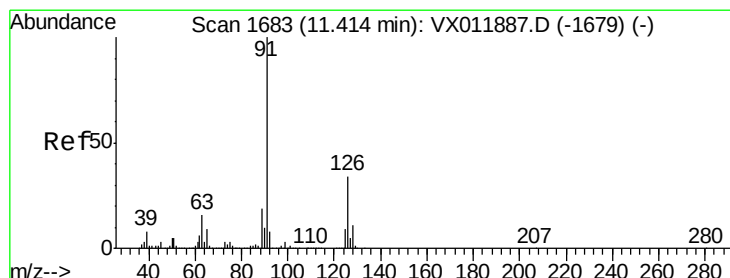
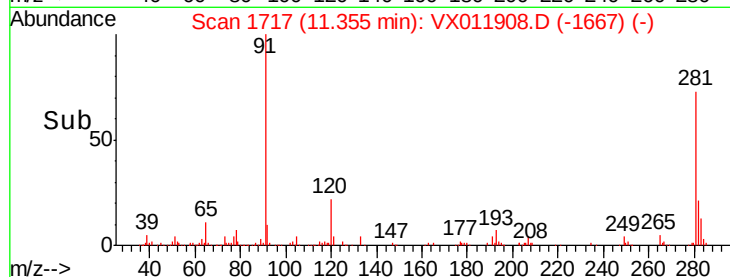
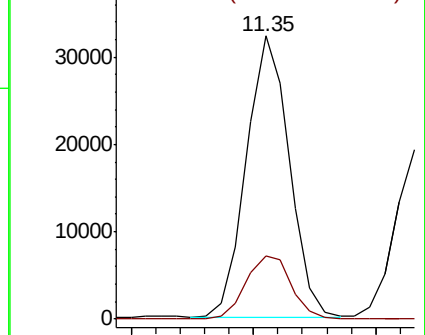
91 100

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

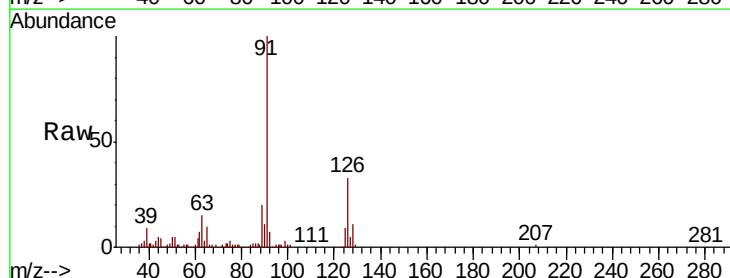
Acq: 30 Aug 2019 14:34

Tgt Ion: 91 Resp: 23193

Ion Ratio Lower Upper

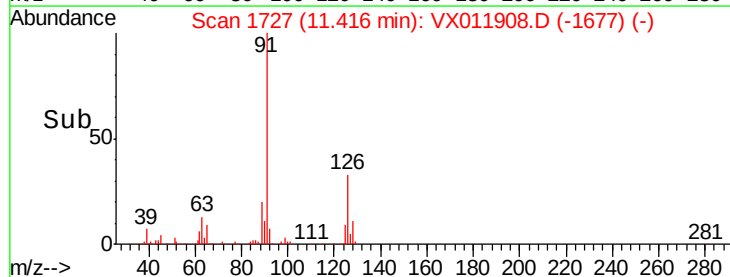
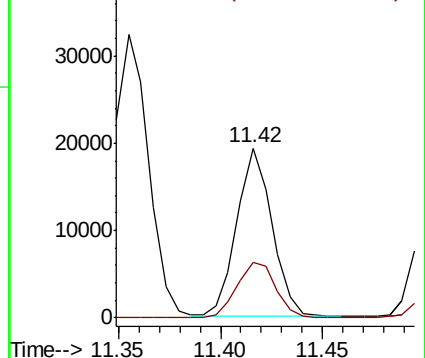
91 100

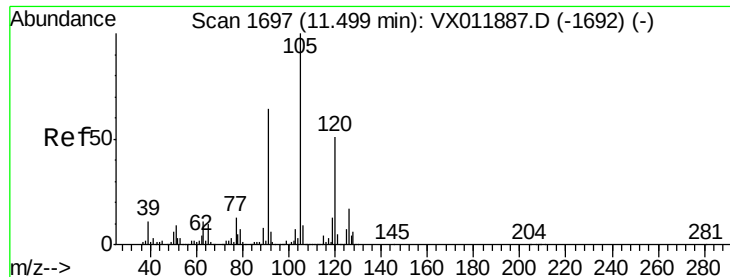
126 36.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

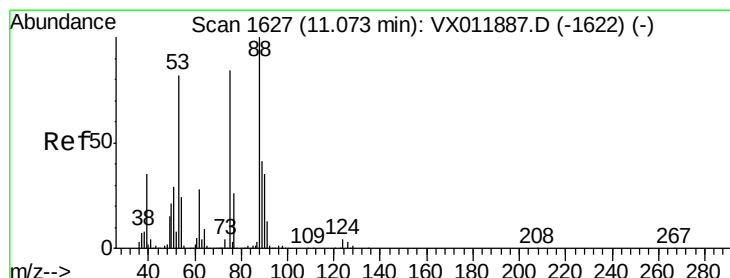
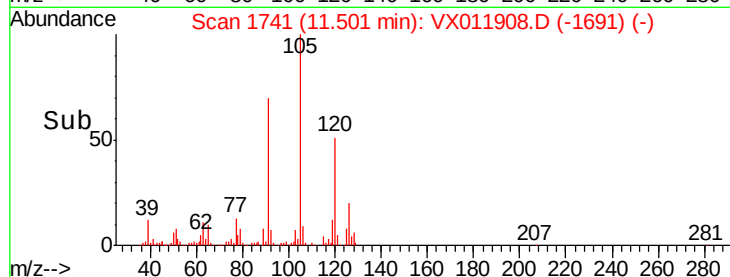
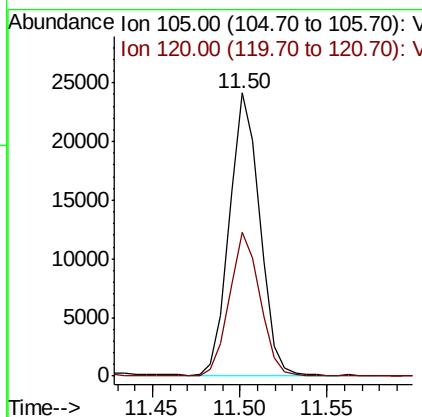
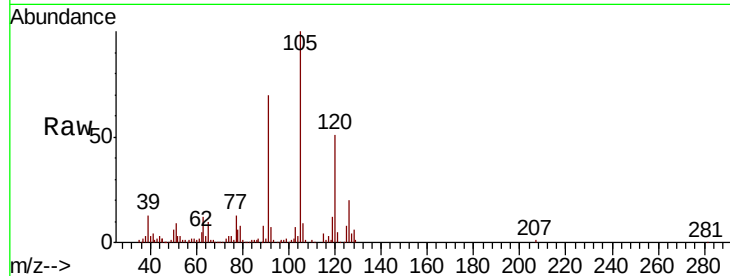




#80
 1,3,5-Trimethylbenzene
 Concen: 2.112 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

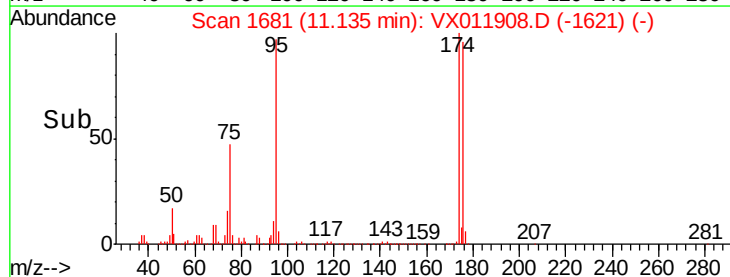
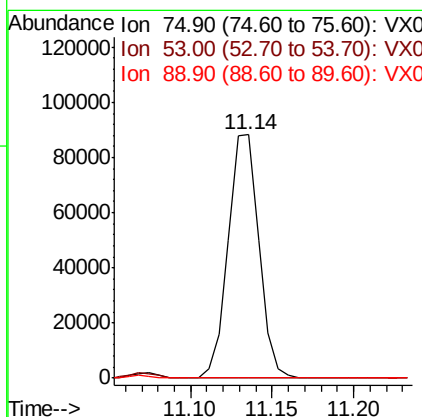
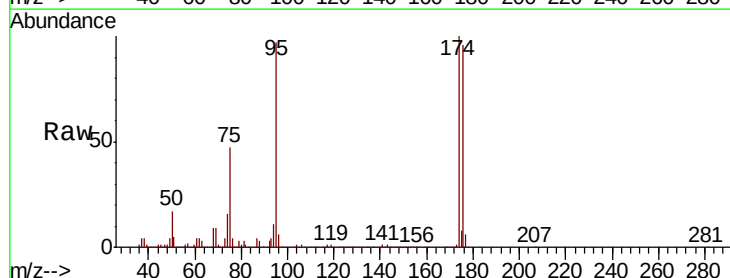
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

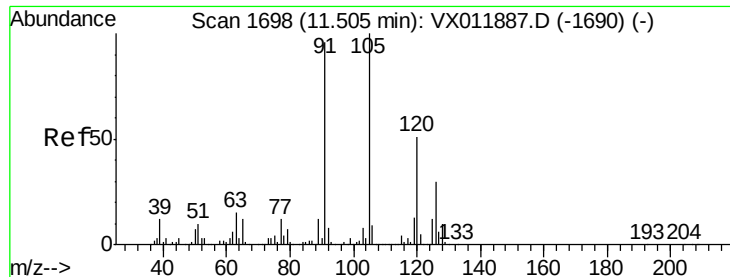
Tgt Ion:105 Resp: 28928
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.991 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.06 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

Tgt Ion: 75 Resp: 115725
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.1 38.2 57.2#





#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

Instrument :

MSVOA_X

ClientSampleId :

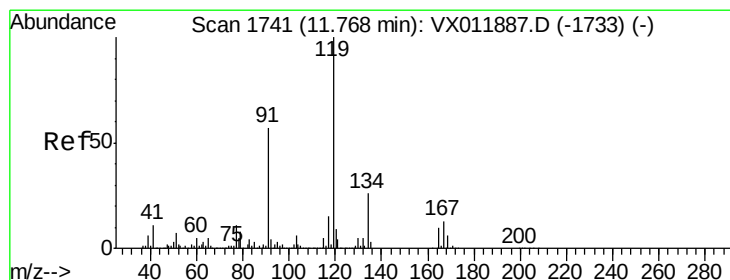
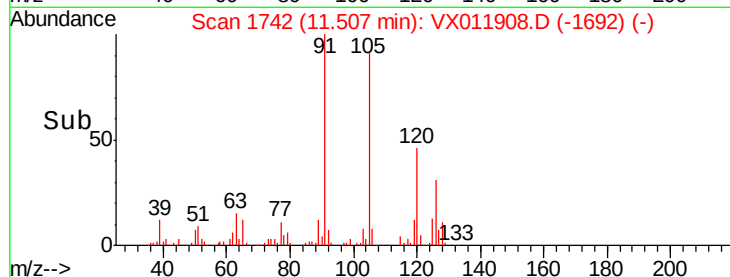
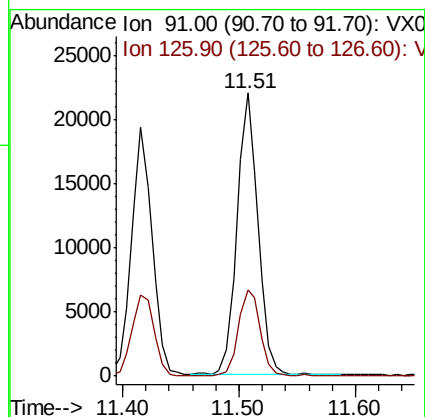
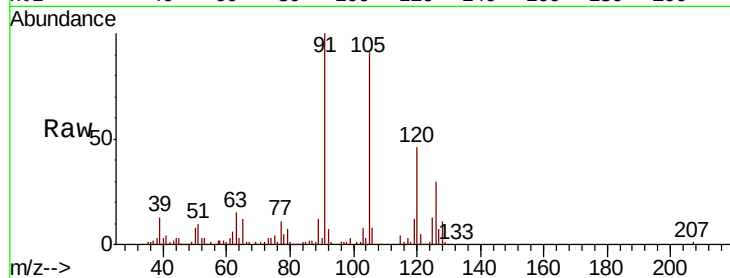
MDL05

Tgt Ion: 91 Resp: 27828

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.6



#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

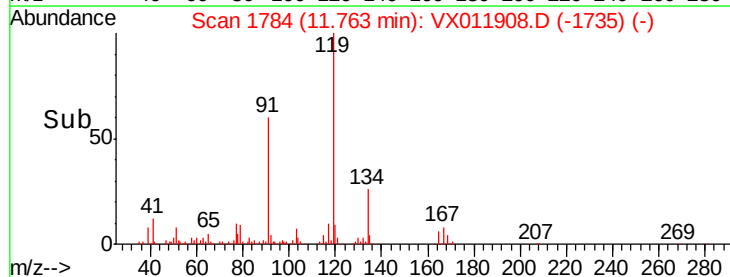
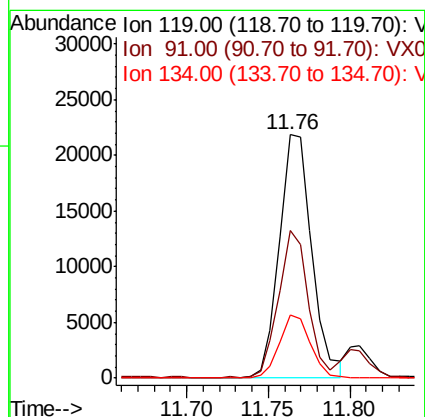
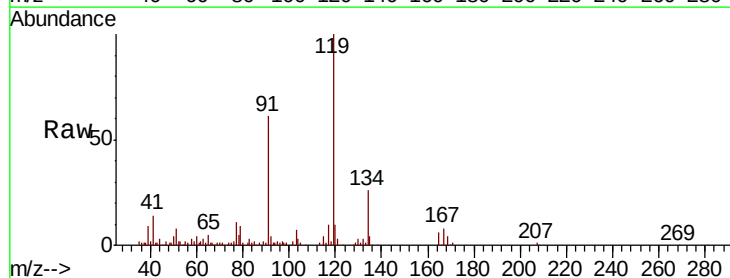
Tgt Ion: 119 Resp: 30516

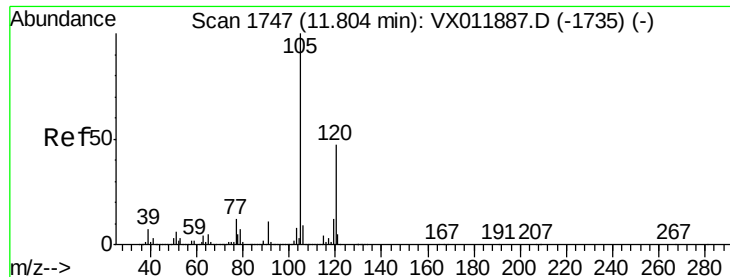
Ion Ratio Lower Upper

119 100

91 54.9 27.9 83.6

134 24.9 12.3 36.8

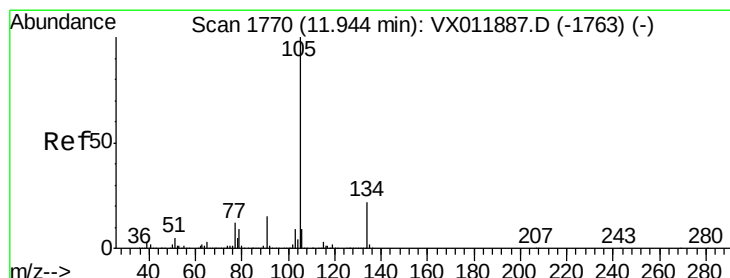
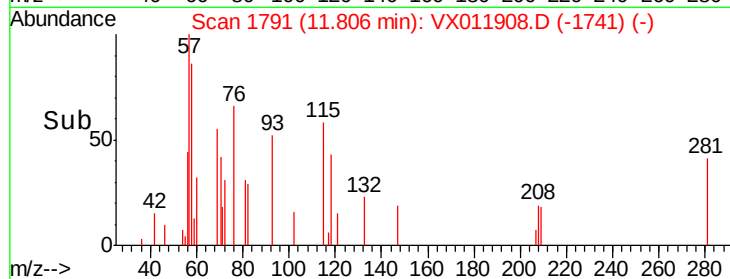
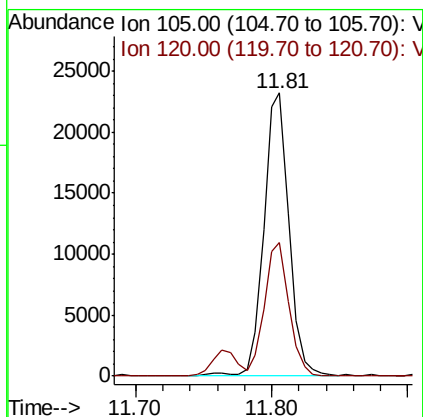
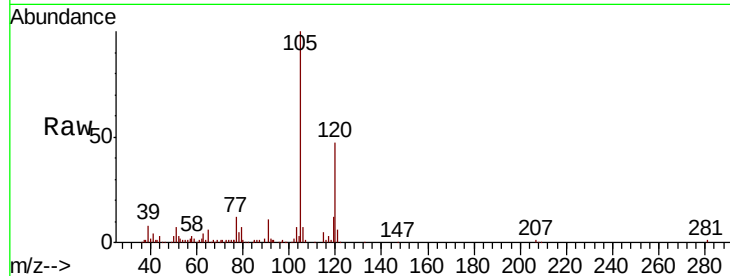




#84
 1,2,4-Trimethylbenzene
 Concen: 2.151 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

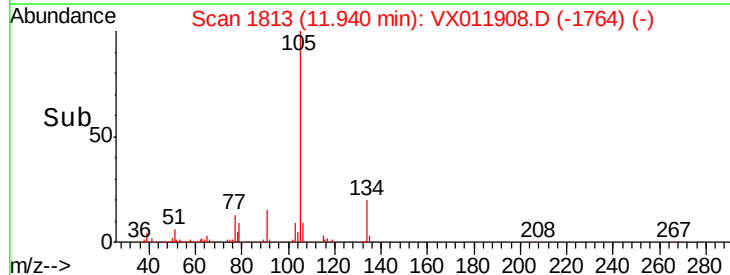
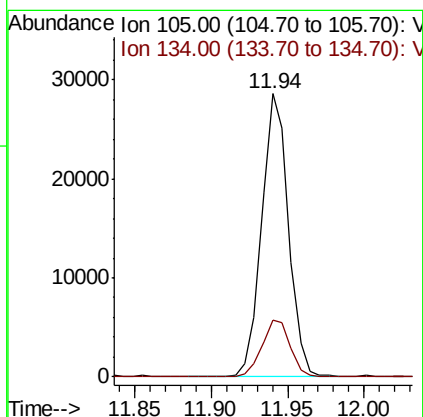
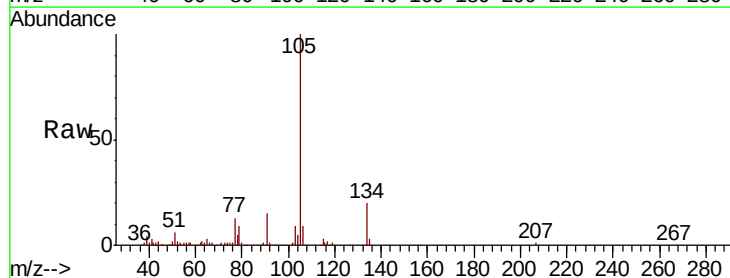
Instrument :
 MSVOA_X
 ClientSampled :
 MDL05

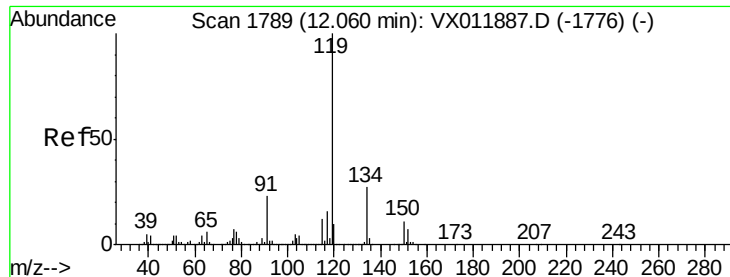
Tgt Ion:105 Resp: 30193
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.3



#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

Tgt Ion:105 Resp: 35181
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.9 32.7





#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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

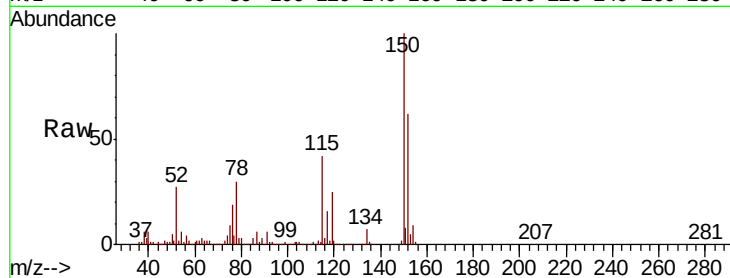
Tgt Ion:119 Resp: 33736

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

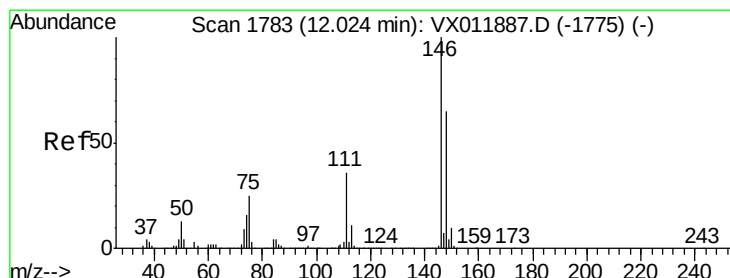
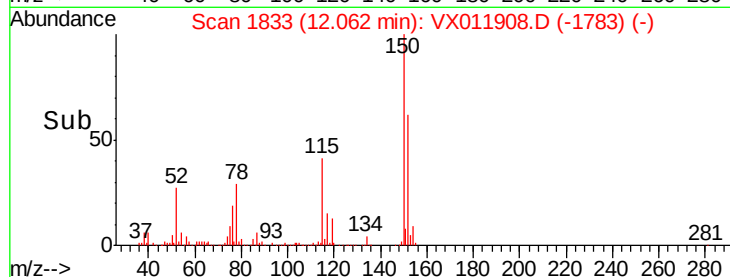
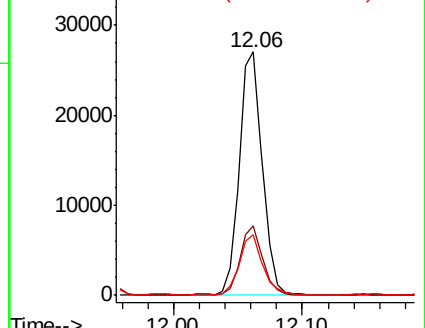
91 25.1 11.6 34.7



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): V



#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

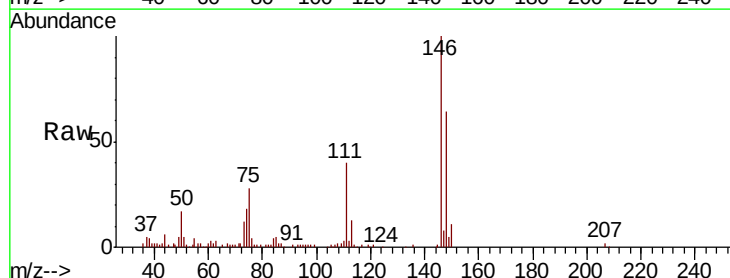
Tgt Ion:146 Resp: 18471

Ion Ratio Lower Upper

146 100

111 38.2 18.4 55.2

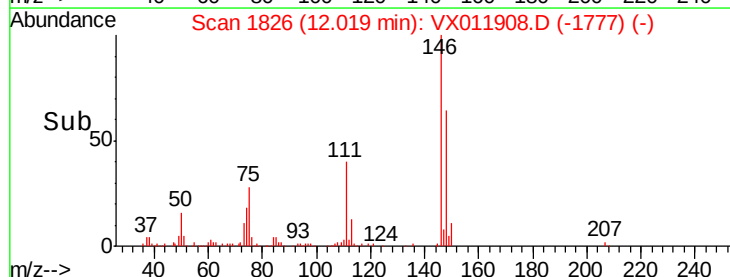
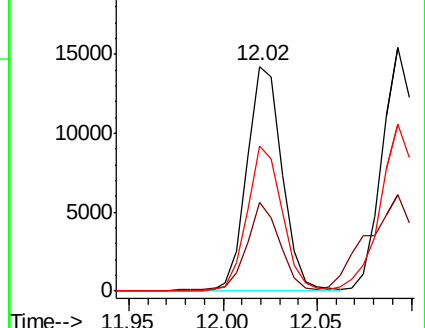
148 64.3 32.1 96.5

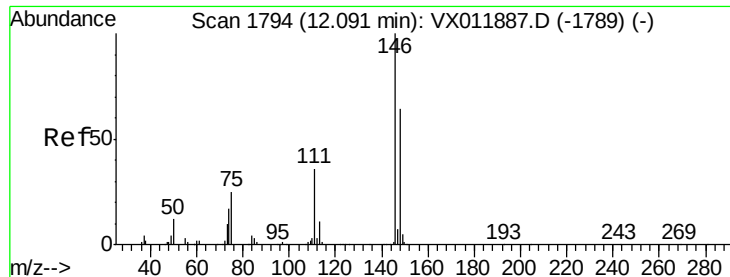


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 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

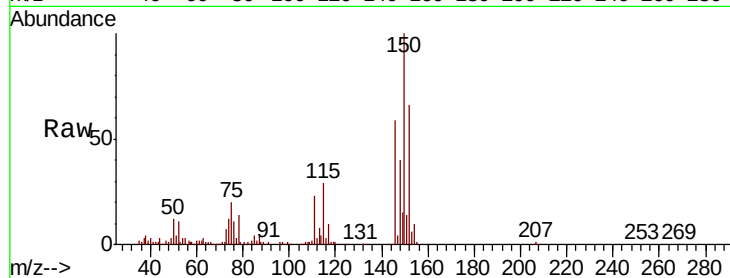
Instrument :

MSVOA_X

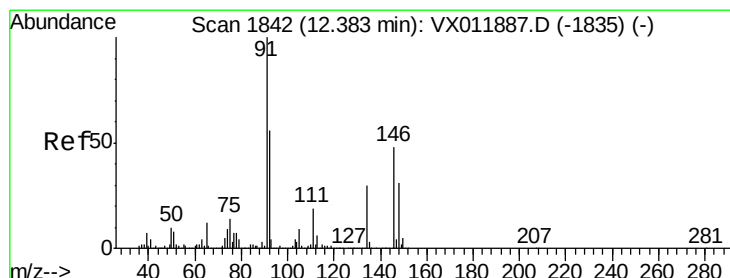
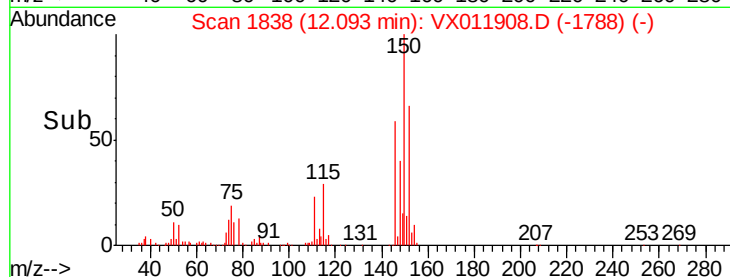
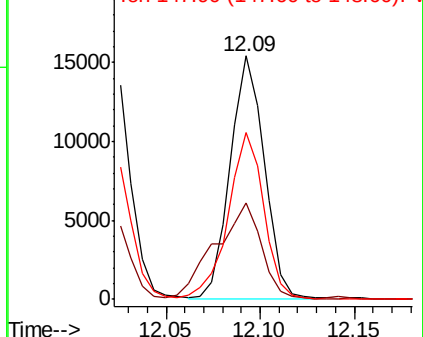
ClientSampled :

MDL05

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



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.199 ug/l

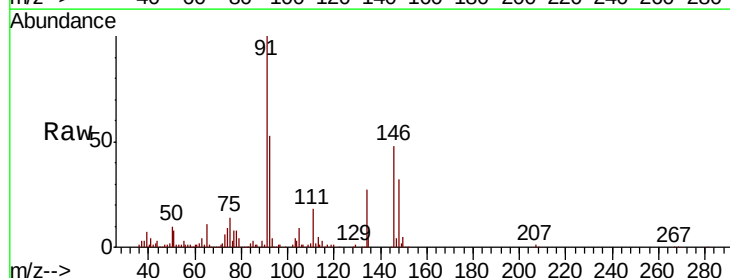
RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

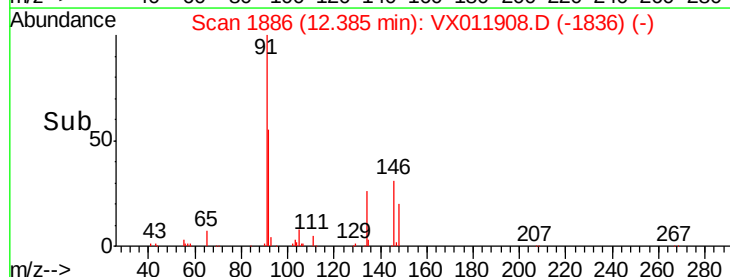
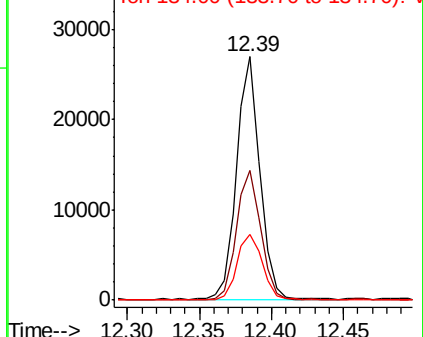
Lab File: VX011908.D

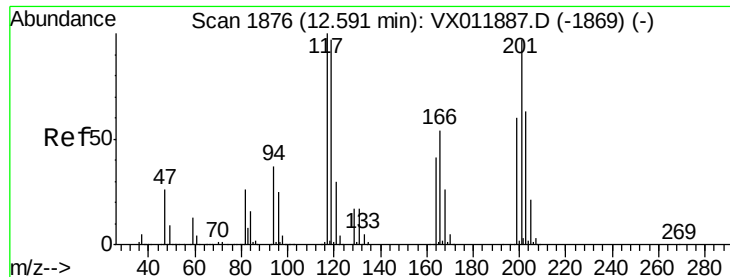
Acq: 30 Aug 2019 14:34

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): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#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

Instrument :

MSVOA_X

ClientSampleId :

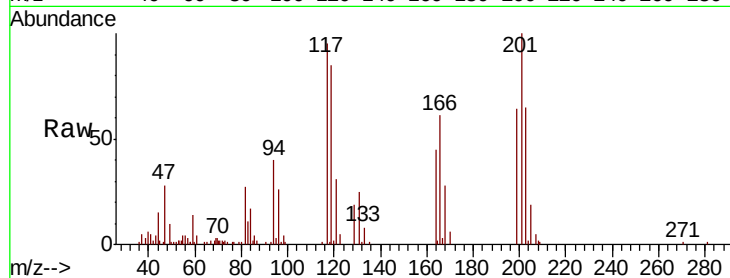
MDL05

Tgt Ion:117 Resp: 6389

Ion Ratio Lower Upper

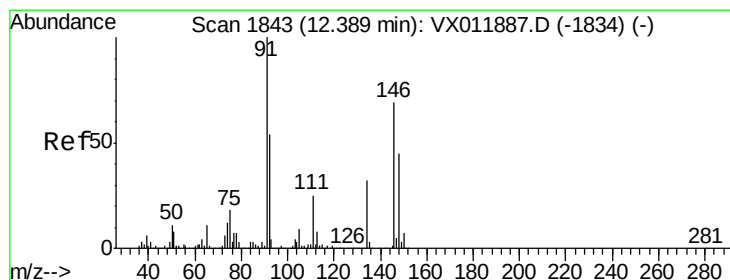
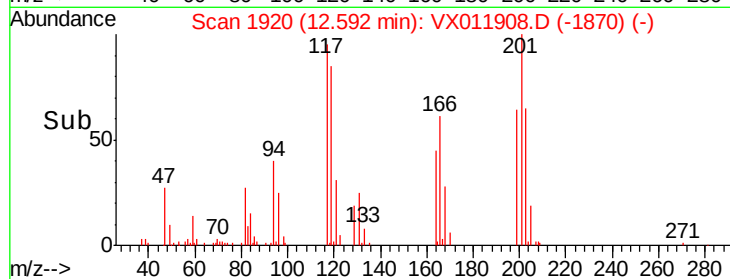
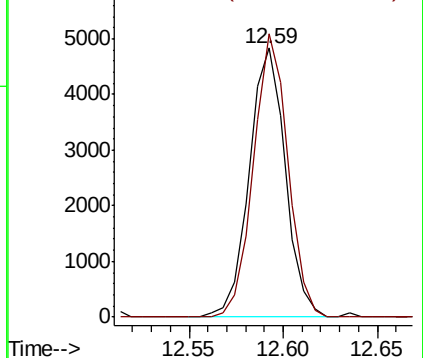
117 100

201 100.5 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#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

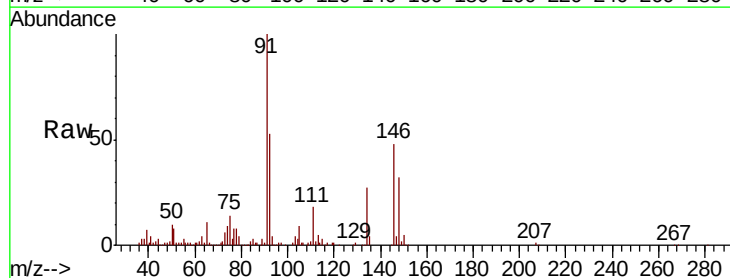
Tgt Ion:146 Resp: 17067

Ion Ratio Lower Upper

146 100

111 38.1 18.9 56.5

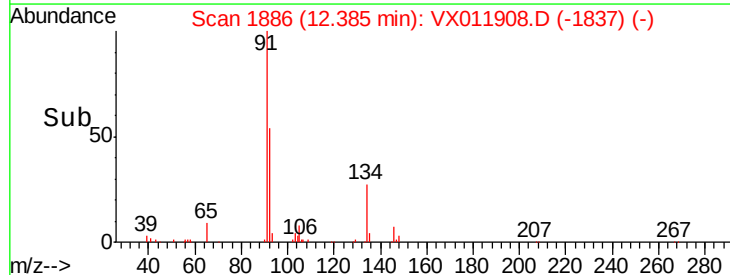
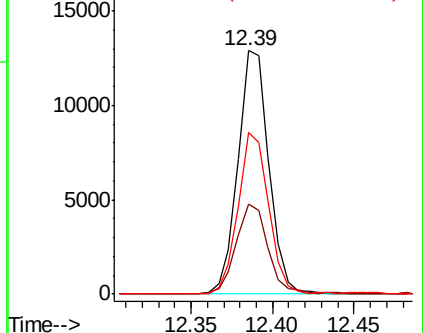
148 65.9 32.1 96.3

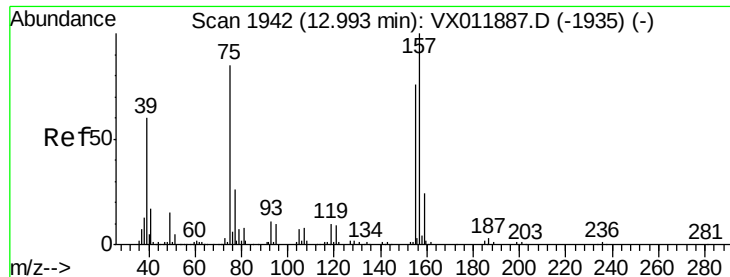


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

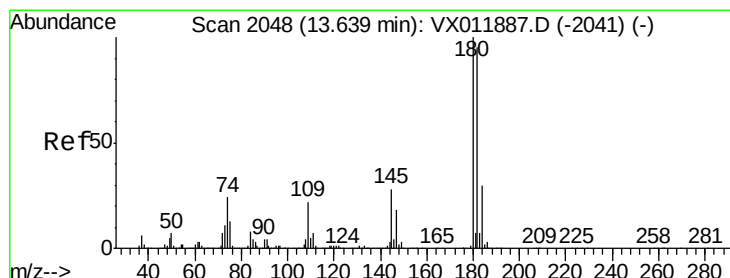
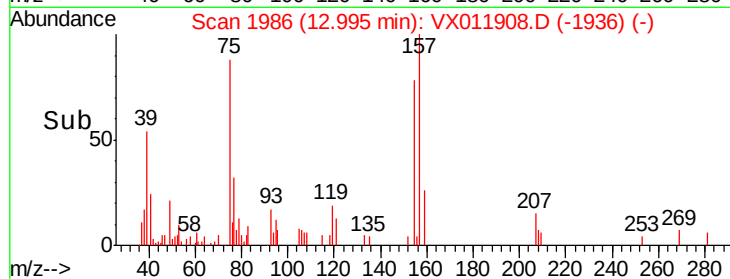
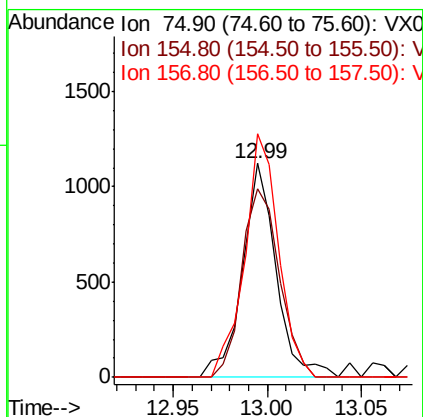
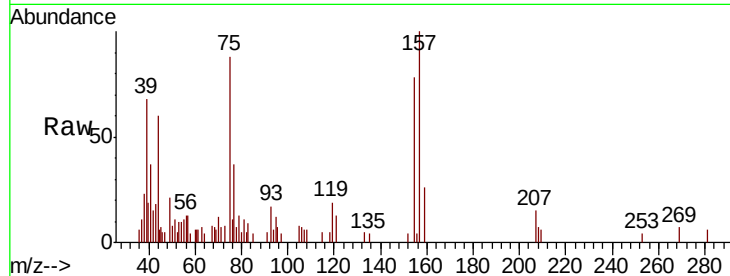




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.159 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011908.D
 Acq: 30 Aug 2019 14:34

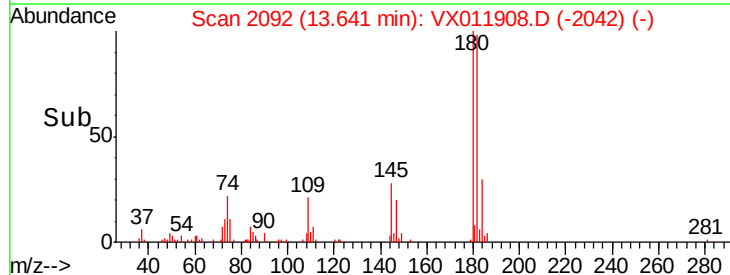
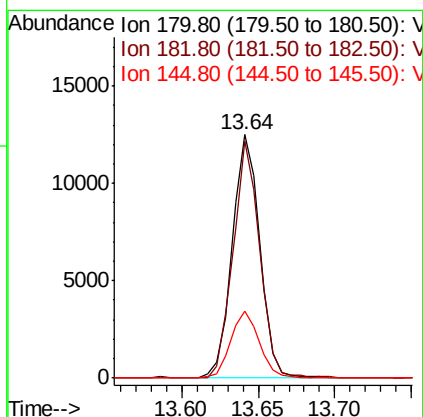
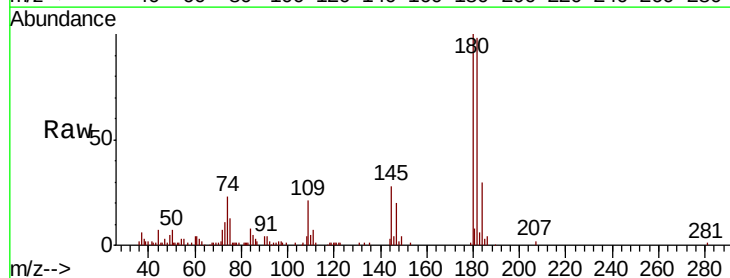
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

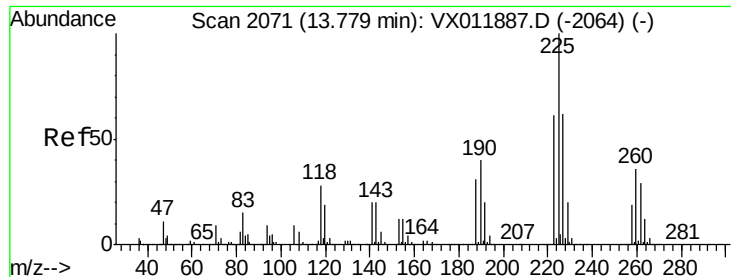
Tgt Ion: 75 Resp: 1397
 Ion Ratio Lower Upper
 75 100
 155 98.3 50.1 150.4
 157 114.2 63.9 191.7



#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

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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

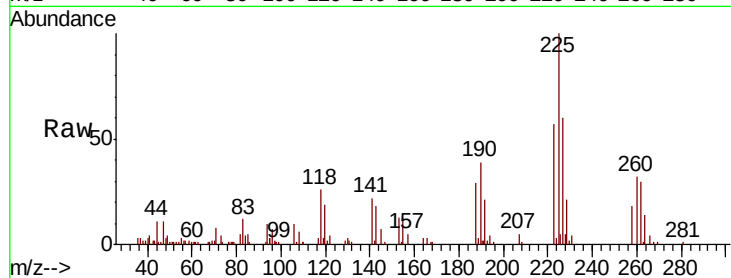
Tgt Ion:225 Resp: 10031

Ion Ratio Lower Upper

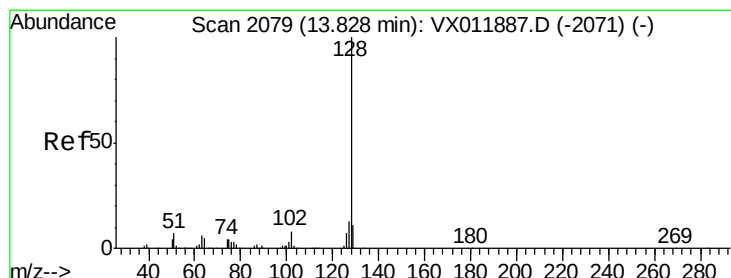
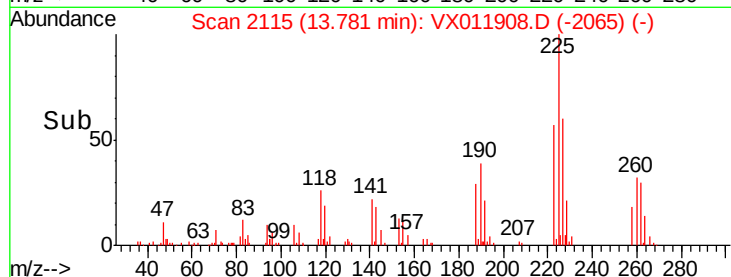
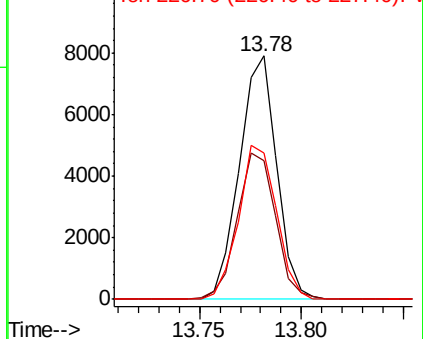
225 100

223 62.0 30.8 92.3

227 64.2 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#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

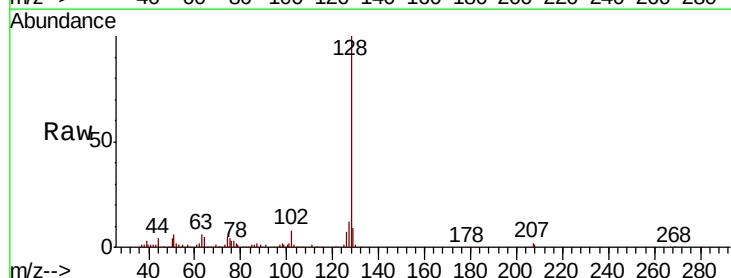
Tgt Ion:128 Resp: 26637

Ion Ratio Lower Upper

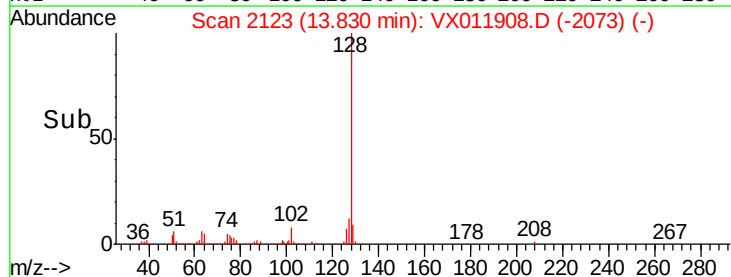
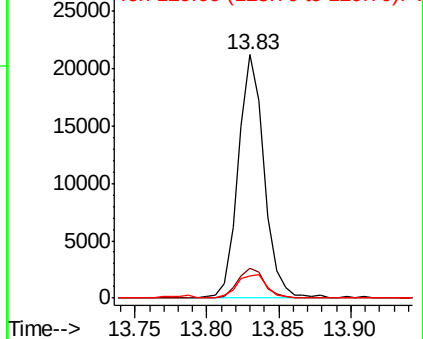
128 100

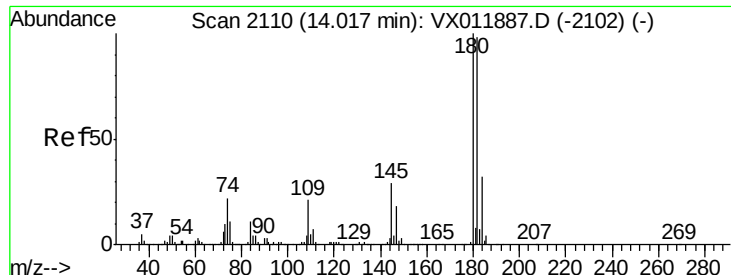
127 12.9 10.4 15.6

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

Instrument :

MSVOA_X

ClientSampleId :

MDL05

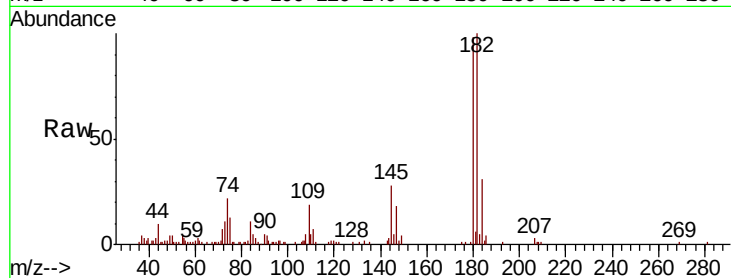
Tgt Ion:180 Resp: 13529

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

