

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011904.D
 Acq On : 30 Aug 2019 12:45
 Operator : SY/SP
 Sample : MDL01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Quant Time: Aug 31 01:59:27 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	365261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	489783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	161625	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	5.48	113	147330	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.71	98	557698	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	227849	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7074	3.209	ug/l	97
3) Chloromethane	1.31	50	7217	2.824	ug/l	100
4) Vinyl Chloride	1.40	62	7174	2.940	ug/l	92
5) Bromomethane	1.63	94	6258	3.706	ug/l	99
6) Chloroethane	1.72	64	3881	2.555	ug/l	94
7) Trichlorofluoromethane	1.92	101	12312	2.905	ug/l	100
8) Diethyl Ether	2.17	74	4309	2.958	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8287	3.000	ug/l	95
10) Methyl Iodide	2.50	142	3187	4.655	ug/l	95
11) Tert butyl alcohol	3.03	59	5273	15.662	ug/l	95
12) 1,1-Dichloroethene	2.36	96	7381	2.877	ug/l	95
13) Acrolein	2.28	56	2138	12.759	ug/l	91
14) Allyl chloride	2.72	41	12782	2.656	ug/l	98
15) Acrylonitrile	3.13	53	10157	12.696	ug/l	96
16) Acetone	2.43	43	13189	17.516	ug/l	96
17) Carbon Disulfide	2.56	76	19590	2.662	ug/l	99
18) Methyl Acetate	2.76	43	6563	3.149	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	22417	2.697	ug/l	98
20) Methylene Chloride	2.84	84	15479	Below Cal		98
21) trans-1,2-Dichloroethene	3.15	96	8398	2.779	ug/l	94
22) Diisopropyl ether	3.84	45	25483	2.594	ug/l #	80
23) Vinyl Acetate	3.80	43	75086	11.888	ug/l	100
24) 1,1-Dichloroethane	3.69	63	13926	2.571	ug/l	97
25) 2-Butanone	4.67	43	14560	13.277	ug/l	96
26) 2,2-Dichloropropane	4.56	77	12397	2.728	ug/l	92
27) cis-1,2-Dichloroethene	4.58	96	9541	2.680	ug/l	98
28) Bromochloromethane	5.00	49	6827	2.808	ug/l	90
29) Tetrahydrofuran	5.13	42	9739	14.228	ug/l	95
30) Chloroform	5.20	83	17476	3.017	ug/l	100
31) Cyclohexane	5.57	56	12718	2.910	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	14150	2.750	ug/l	97
36) 1,1-Dichloropropene	5.79	75	10886	2.805	ug/l	92
37) Ethyl Acetate	4.83	43	5158	2.246	ug/l #	86
38) Carbon Tetrachloride	5.78	117	13148	2.922	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	14159	3.064	ug/l	92
40) Benzene	6.13	78	31636	2.731	ug/l	98
41) Methacrylonitrile	5.03	41	3477	2.571	ug/l #	92
42) 1,2-Dichloroethane	6.18	62	10859	2.757	ug/l	93
43) Isopropyl Acetate	6.44	43	11984	2.573	ug/l	97
44) Trichloroethene	7.20	130	9895	2.761	ug/l	95
45) 1,2-Dichloropropane	7.51	63	8538	2.818	ug/l	96
46) Dibromomethane	7.65	93	4898	2.724	ug/l	96
47) Bromodichloromethane	7.89	83	11839	2.655	ug/l	95
48) Methyl methacrylate	7.77	41	6245	2.756	ug/l	94
49) 1,4-Dioxane	7.75	88	1882	60.402	ug/l #	83
51) 4-Methyl-2-Pentanone	8.64	43	31475	13.305	ug/l	99
52) Toluene	8.78	92	21144	2.759	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	12404	2.716	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	13686	2.669	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	7238	2.750	ug/l	93
56) Ethyl methacrylate	9.17	69	9577	2.621	ug/l	95
57) 1,3-Dichloropropane	9.37	76	11395	2.608	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	21880	12.574	ug/l	98
59) 2-Hexanone	9.49	43	22191	13.205	ug/l	98
60) Dibromochloromethane	9.58	129	8967	2.536	ug/l	94
61) 1,2-Dibromoethane	9.67	107	7131	2.732	ug/l	100
64) Tetrachloroethene	9.33	164	11334	3.083	ug/l	92
65) Chlorobenzene	10.14	112	24161	2.728	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	9660	2.697	ug/l	99
67) Ethyl Benzene	10.25	91	41889	2.781	ug/l	98
68) m/p-Xylenes	10.35	106	33188	5.705	ug/l	97
69) o-Xylene	10.70	106	15465	2.728	ug/l	98
70) Styrene	10.71	104	26004	2.603	ug/l	98
71) Bromoform	10.85	173	6608	2.609	ug/l #	97
73) Isopropylbenzene	11.01	105	42828	2.772	ug/l	99
74) N-amyl acetate	10.89	43	11371	2.480	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	8902	2.815	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	8568	3.239	ug/l	93
77) Bromobenzene	11.25	156	12251	2.734	ug/l	98
78) n-propylbenzene	11.35	91	48952	2.794	ug/l	97
79) 2-Chlorotoluene	11.42	91	29343	2.783	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	36505	2.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	111707	106.097	ug/l #	11
82) 4-Chlorotoluene	11.51	91	35355	2.779	ug/l	98
83) tert-Butylbenzene	11.76	119	37280	2.755	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	37606	2.752	ug/l	100
85) sec-Butylbenzene	11.94	105	44449	2.828	ug/l	99
86) p-Isopropyltoluene	12.06	119	42717	2.803	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	22998	2.762	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	23246	2.761	ug/l	85
89) n-Butylbenzene	12.39	91	37902	2.811	ug/l	100
90) Hexachloroethane	12.59	117	7926	2.688	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	21346	2.757	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2010	3.191	ug/l	90

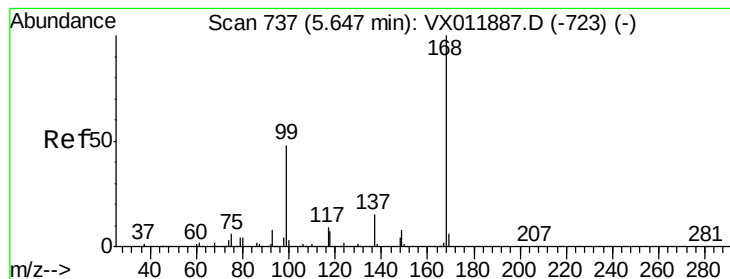
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QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	18320	2.810	ug/l	99
94) Hexachlorobutadiene	13.78	225	12846	2.951	ug/l	98
95) Naphthalene	13.83	128	30123	2.692	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	16743	2.840	ug/l	98

(#) = 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: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

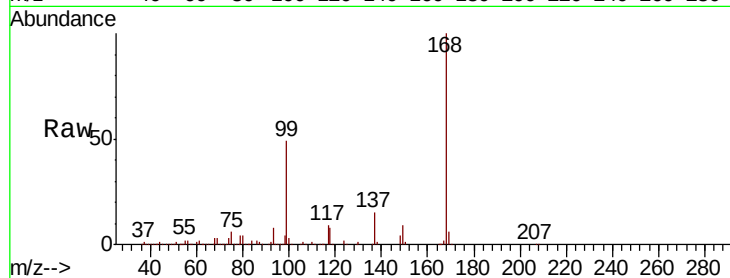
MDL04

Tgt Ion:168 Resp: 365261

Ion Ratio Lower Upper

168 100

99 48.5 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

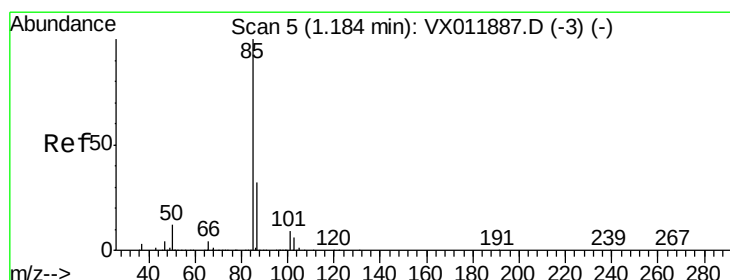
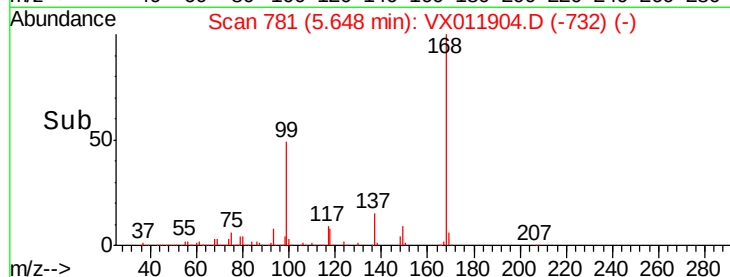
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 3.209 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011904.D

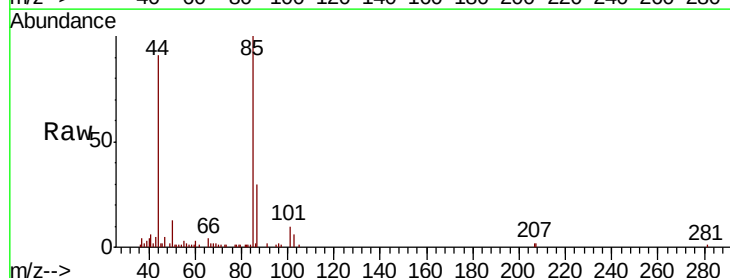
Acq: 30 Aug 2019 12:45

Tgt Ion: 85 Resp: 7074

Ion Ratio Lower Upper

85 100

87 30.7 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

8000

6000

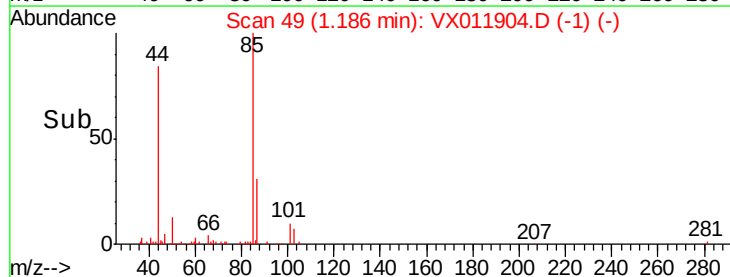
4000

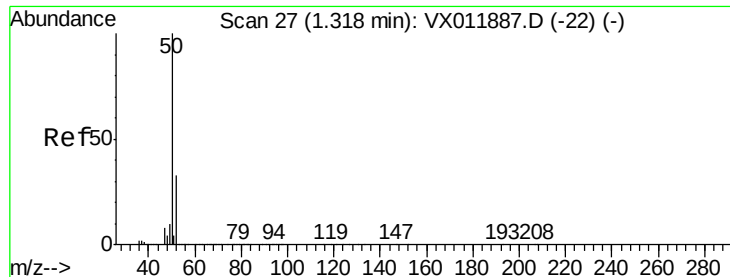
2000

0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 2.824 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

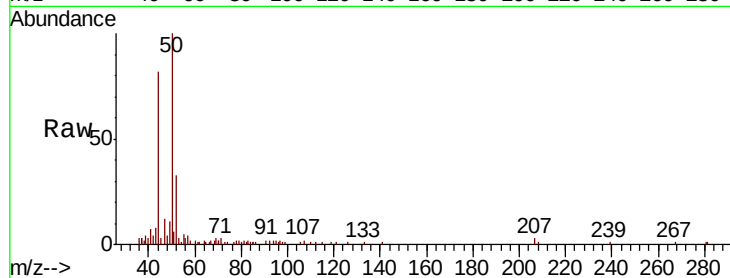
MDL04

Tgt Ion: 50 Resp: 7217

Ion Ratio Lower Upper

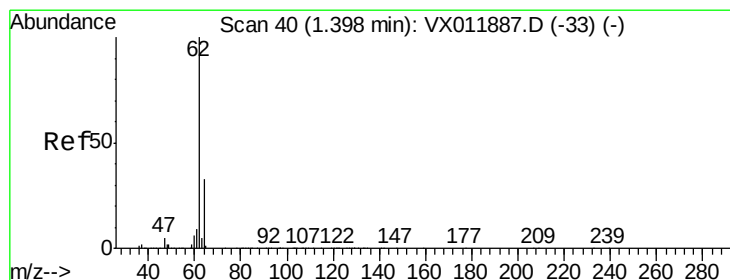
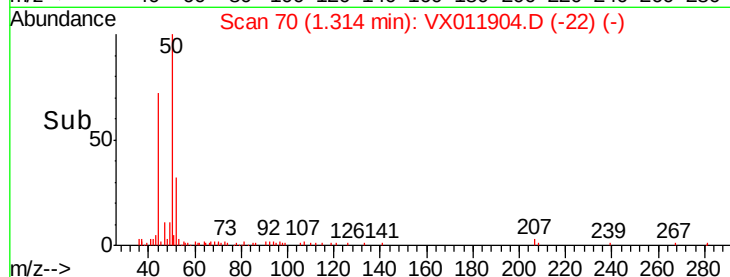
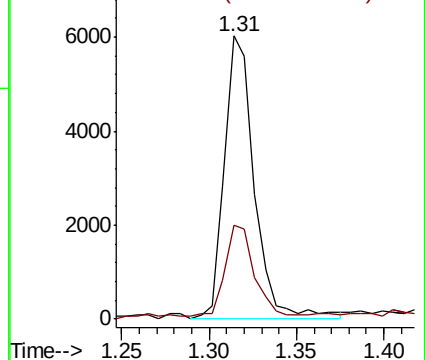
50 100

52 32.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.940 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011904.D

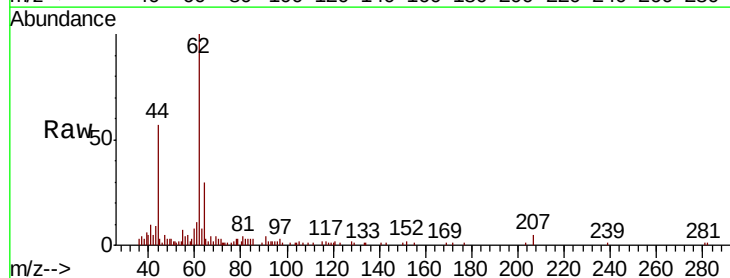
Acq: 30 Aug 2019 12:45

Tgt Ion: 62 Resp: 7174

Ion Ratio Lower Upper

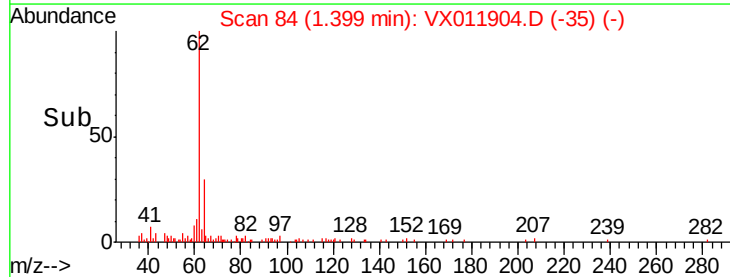
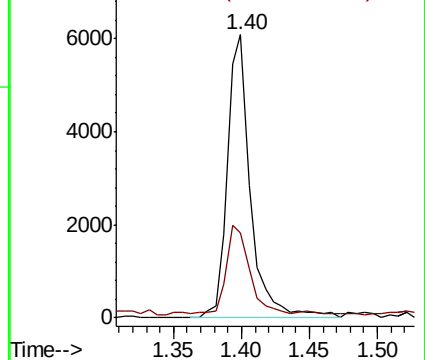
62 100

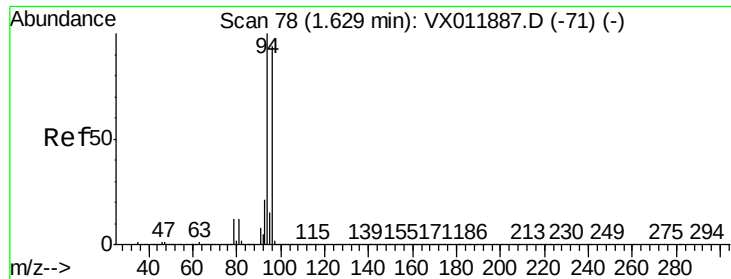
64 28.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.706 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

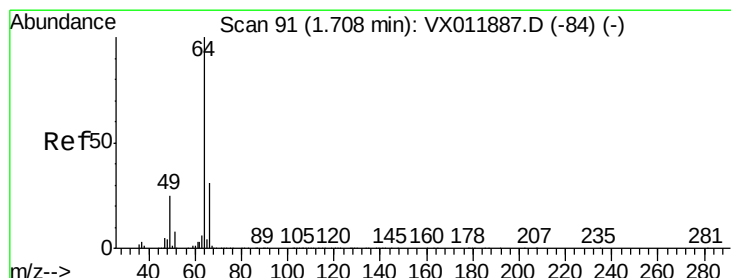
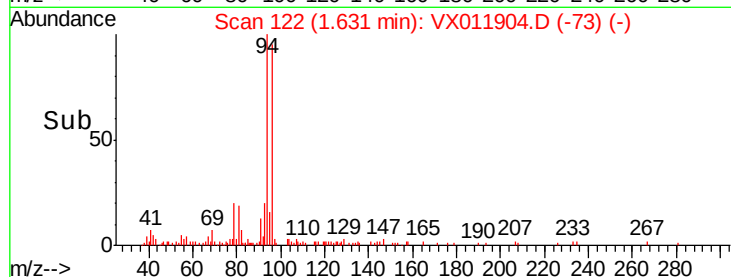
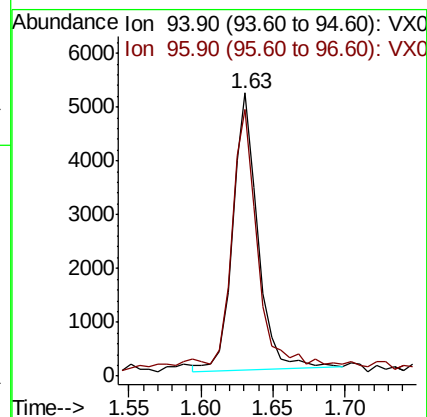
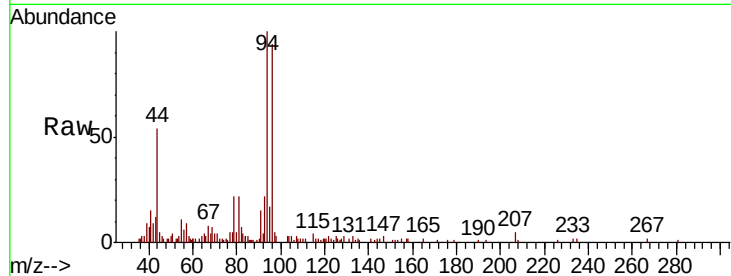
MDL04

Tgt Ion: 94 Resp: 6258

Ion Ratio Lower Upper

94 100

96 93.0 75.0 112.6



#6

Chloroethane

Concen: 2.555 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX011904.D

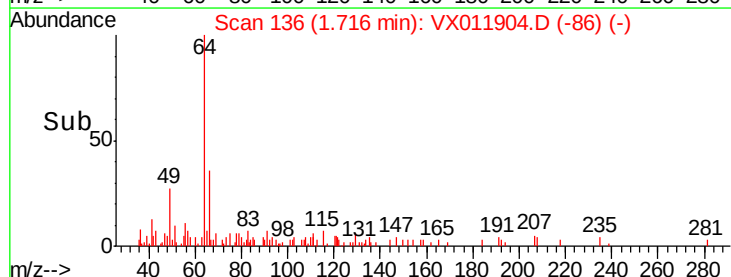
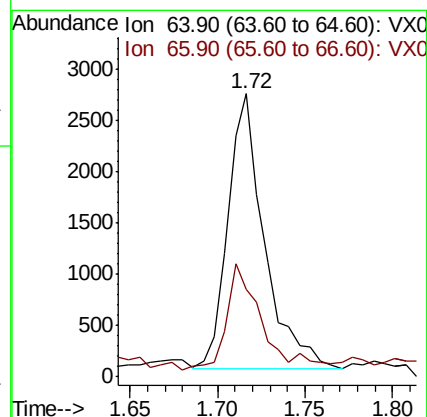
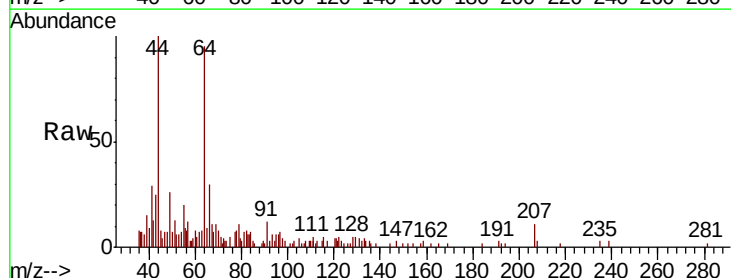
Acq: 30 Aug 2019 12:45

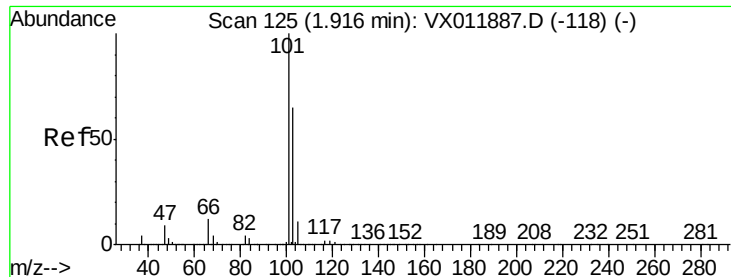
Tgt Ion: 64 Resp: 3881

Ion Ratio Lower Upper

64 100

66 27.8 25.0 37.4



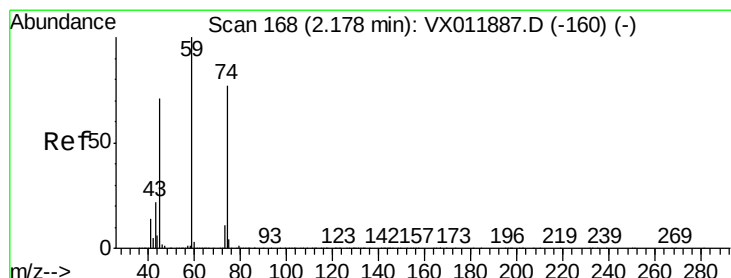
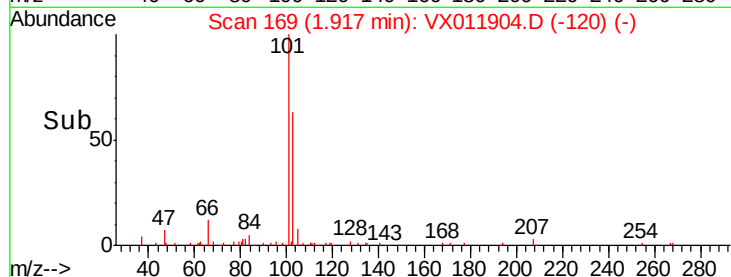
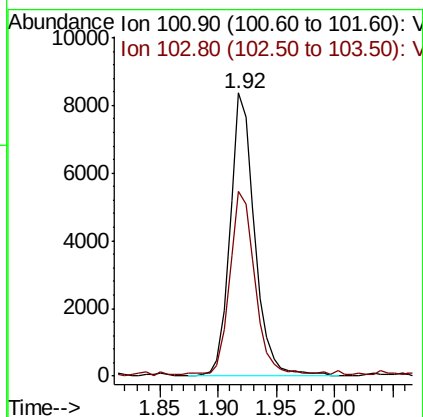
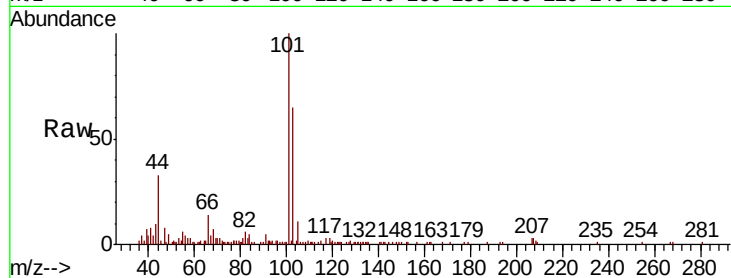


#7

Trichlorofluoromethane
Concen: 2.905 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
MDL04

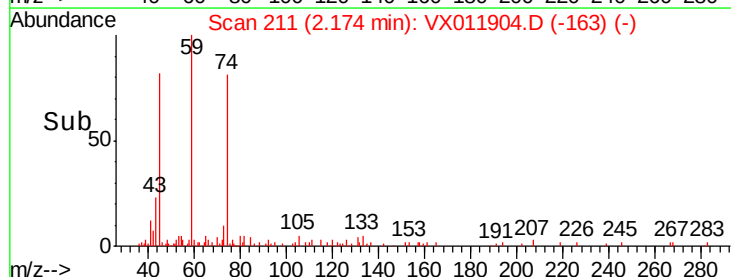
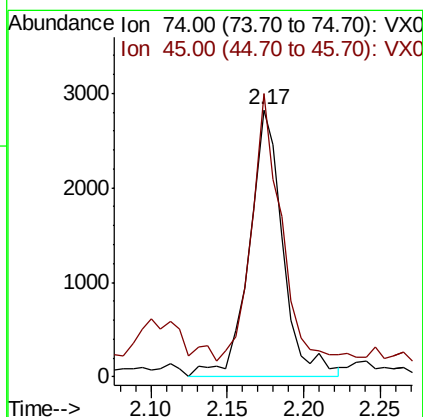
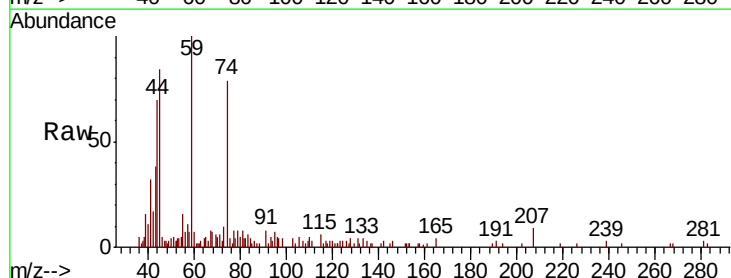
Tgt Ion: 101 Resp: 12312
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

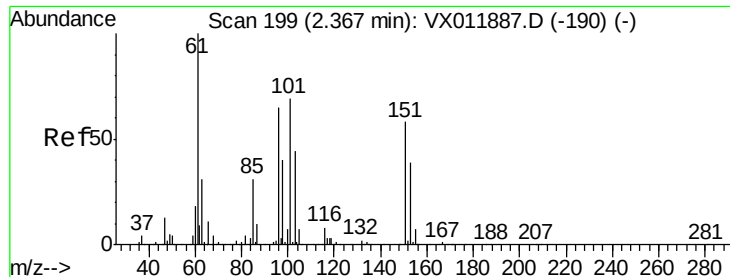


#8

Diethyl Ether
Concen: 2.958 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 74 Resp: 4309
Ion Ratio Lower Upper
74 100
45 87.7 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.000 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

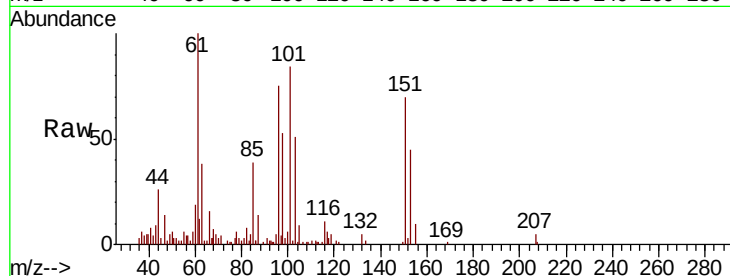
Tgt Ion:101 Resp: 8287

Ion Ratio Lower Upper

101 100

85 48.4 34.9 52.3

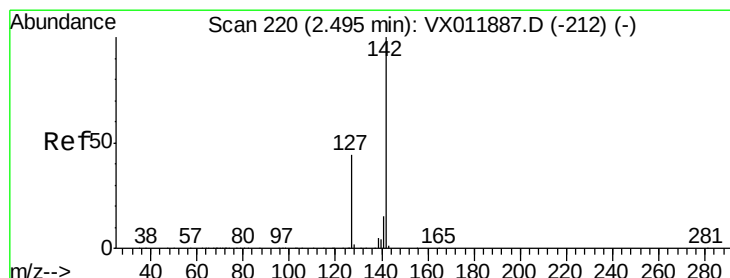
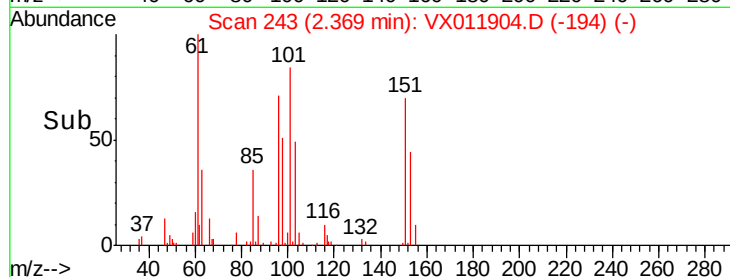
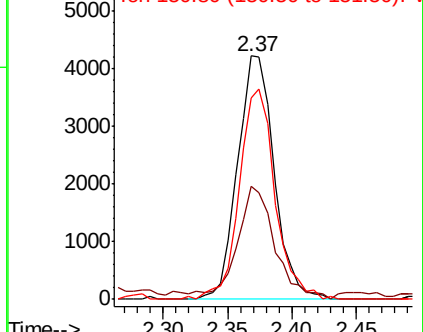
151 84.4 70.9 106.3



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: 4.655 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

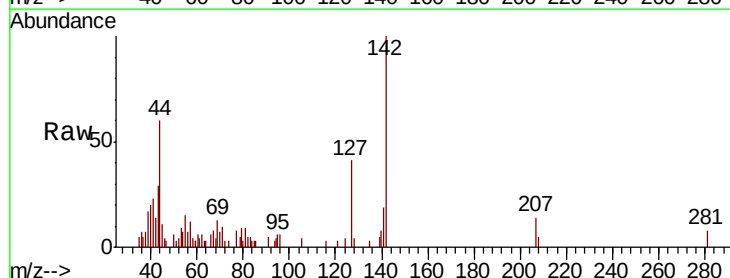
Tgt Ion:142 Resp: 3187

Ion Ratio Lower Upper

142 100

127 48.4 35.7 53.5

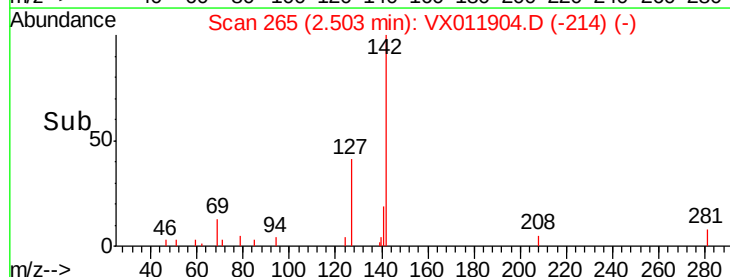
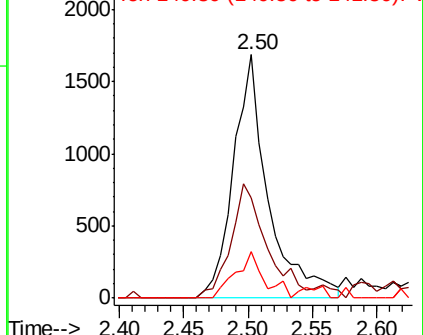
141 15.6 11.8 17.6

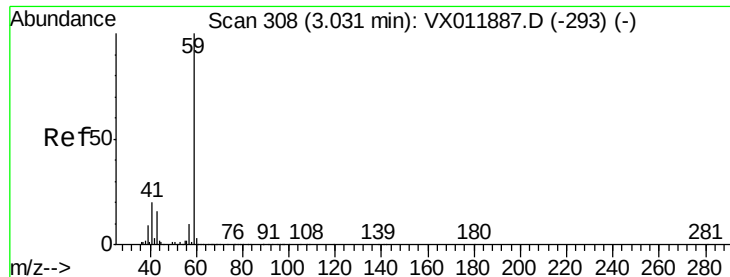


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 15.662 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

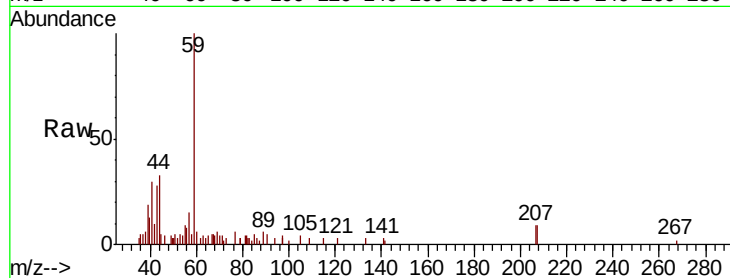
MDL04

Tgt Ion: 59 Resp: 5273

Ion Ratio Lower Upper

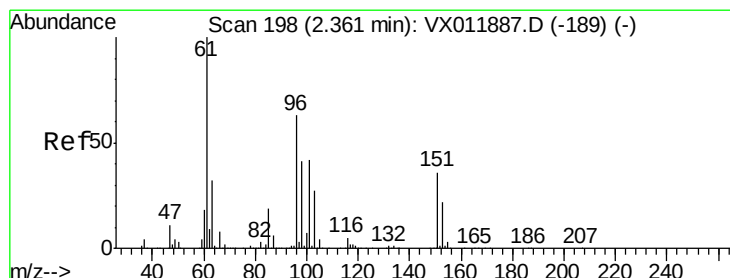
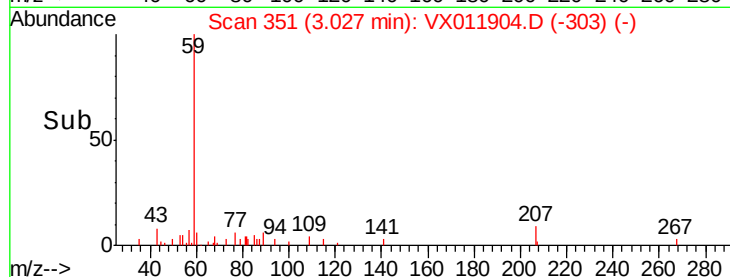
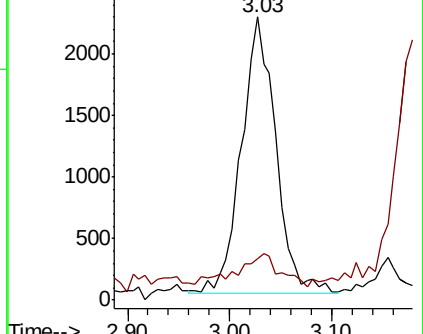
59 100

57 12.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 2.877 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

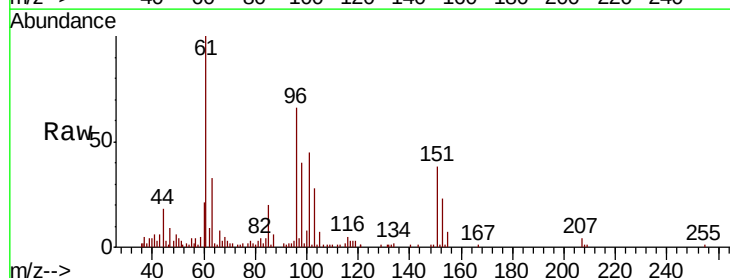
Tgt Ion: 96 Resp: 7381

Ion Ratio Lower Upper

96 100

61 152.4 126.6 190.0

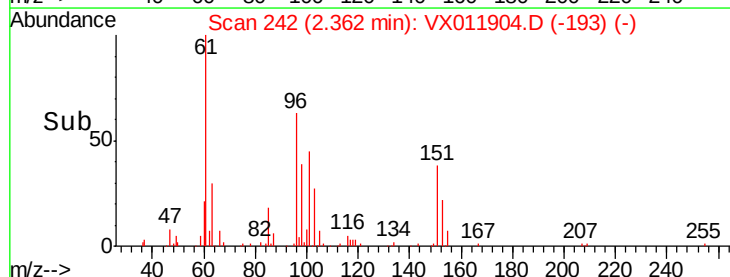
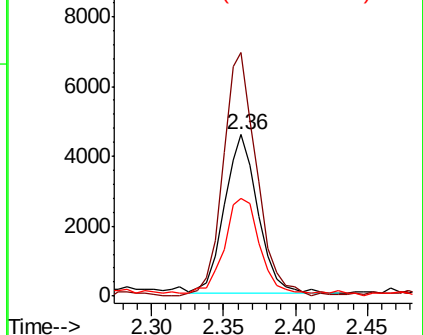
98 60.1 51.6 77.4

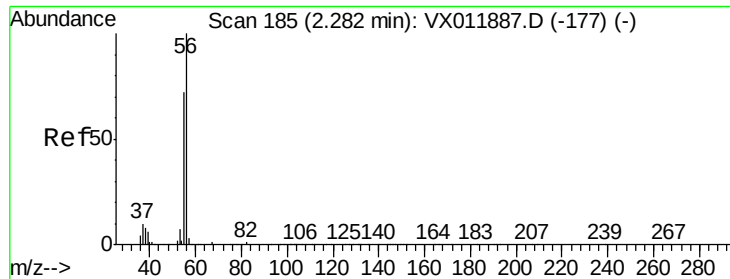


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 12.759 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

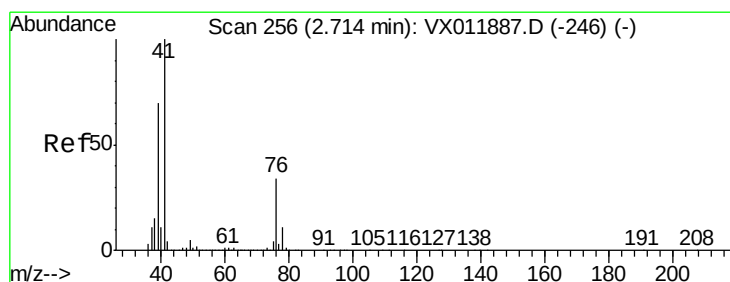
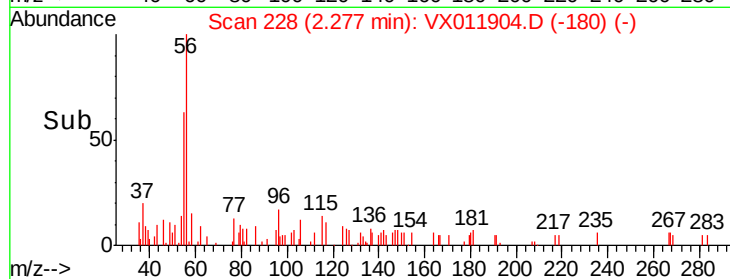
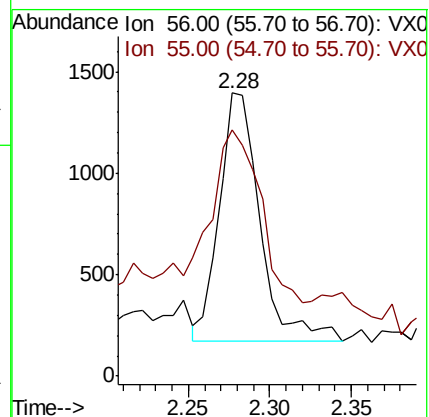
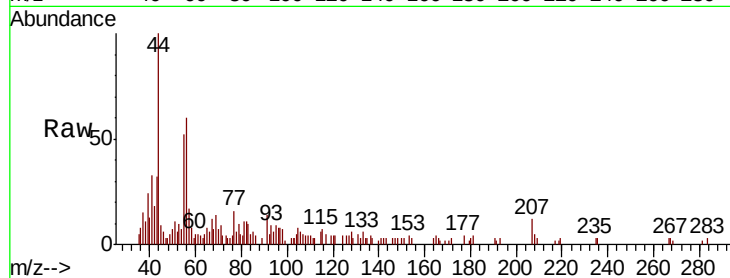
MDL04

Tgt Ion: 56 Resp: 2138

Ion Ratio Lower Upper

56 100

55 81.0 58.6 88.0



#14

Allyl chloride

Concen: 2.656 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

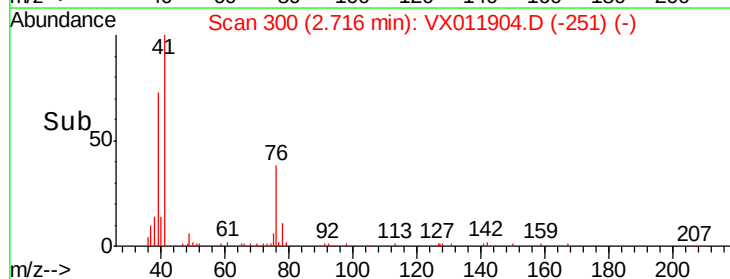
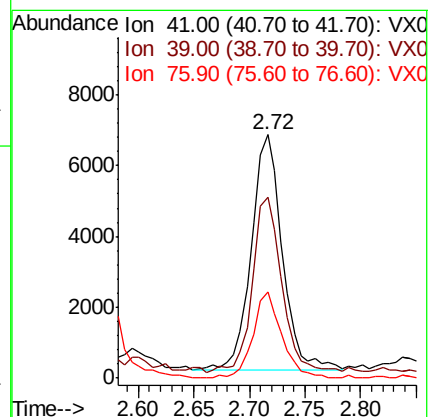
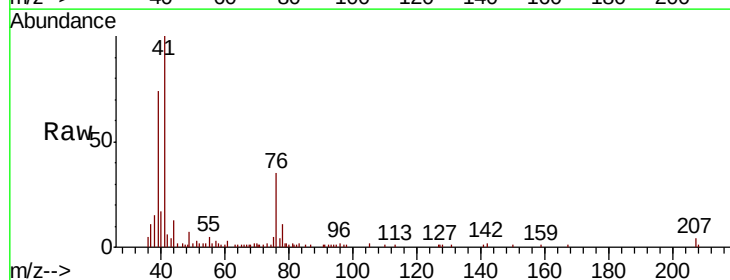
Tgt Ion: 41 Resp: 12782

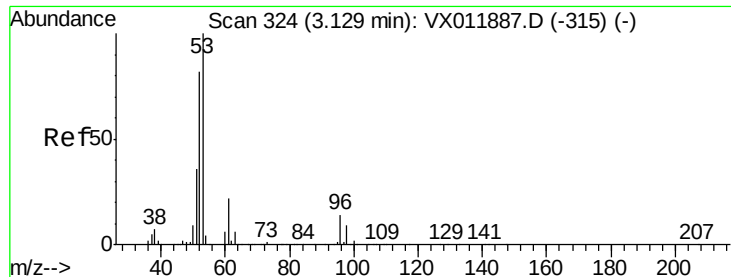
Ion Ratio Lower Upper

41 100

39 70.7 55.0 82.6

76 34.4 27.0 40.4





#15

Acrylonitrile

Concen: 12.696 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

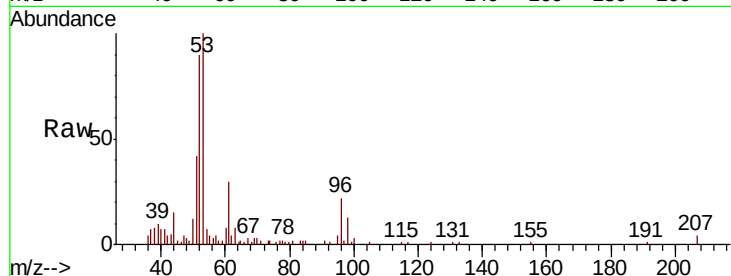
Tgt Ion: 53 Resp: 10157

Ion Ratio Lower Upper

53 100

52 84.2 65.3 97.9

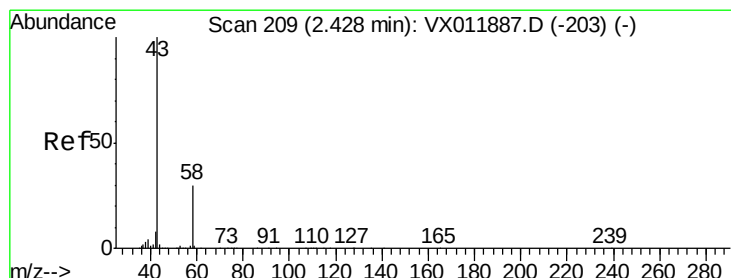
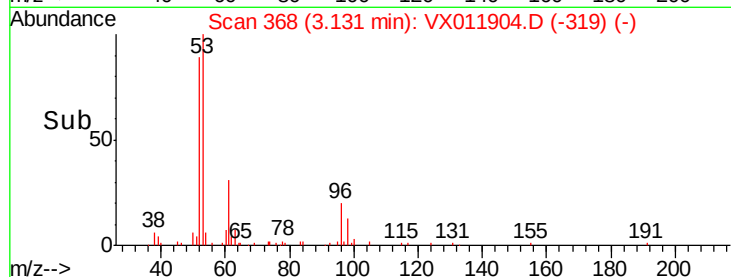
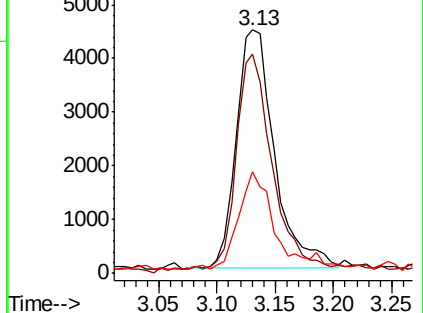
51 40.6 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 17.516 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011904.D

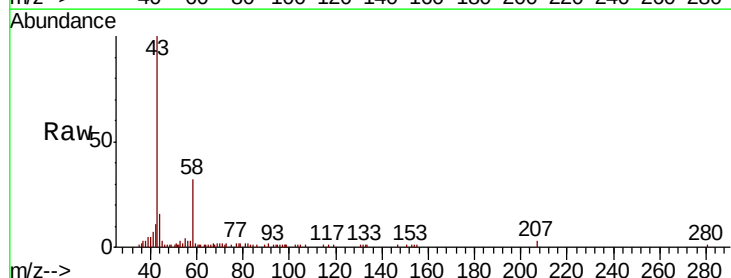
Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 13189

Ion Ratio Lower Upper

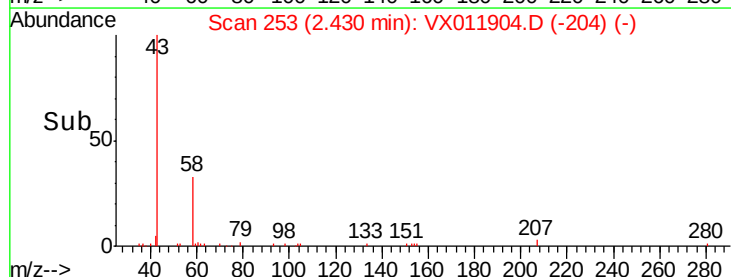
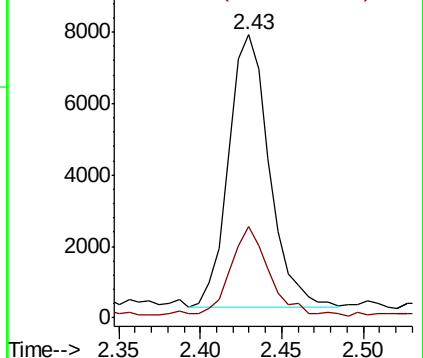
43 100

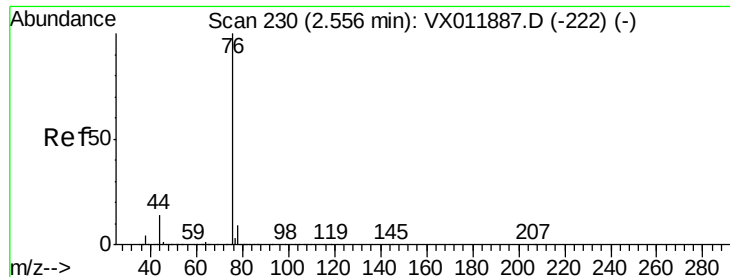
58 32.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

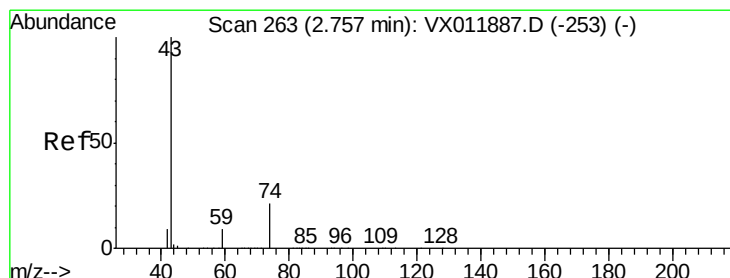
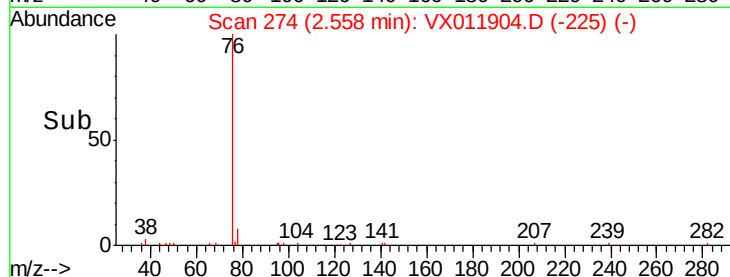
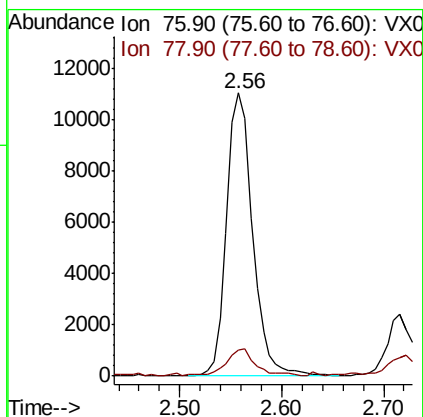
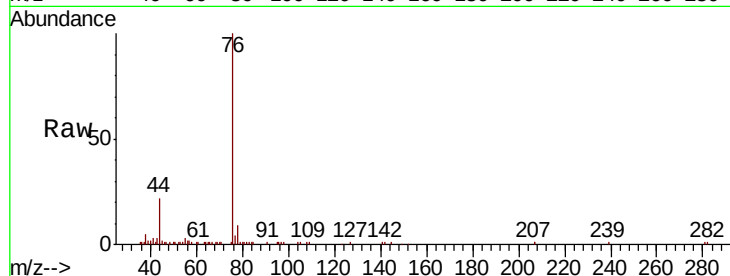




#17
Carbon Disulfide
Concen: 2.662 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

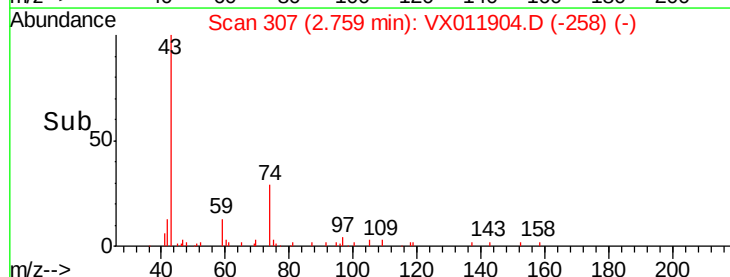
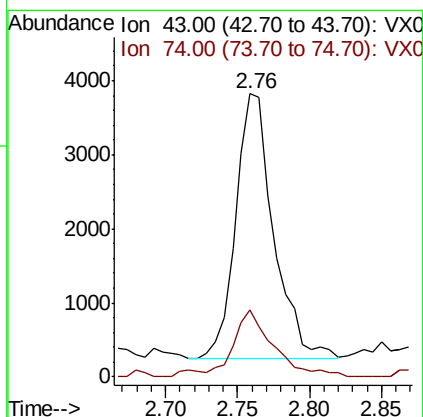
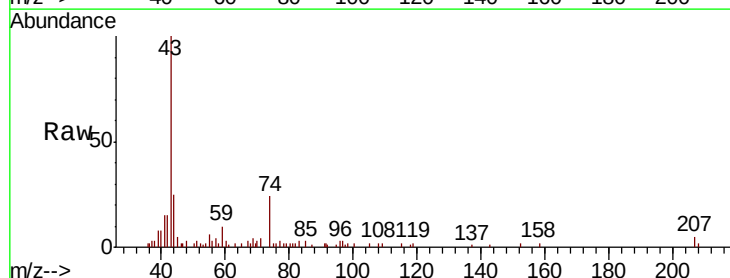
Instrument :
MSVOA_X
ClientSampled :
MDL04

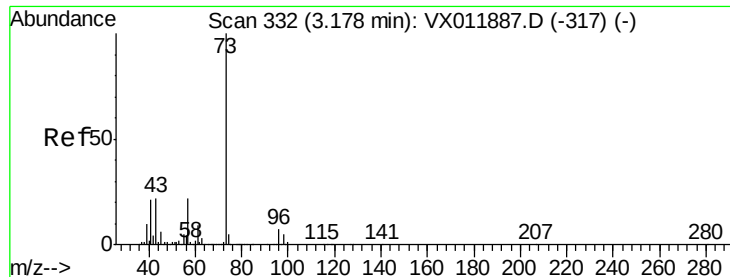
Tgt Ion: 76 Resp: 19590
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 3.149 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 6563
Ion Ratio Lower Upper
43 100
74 26.0 18.4 27.6

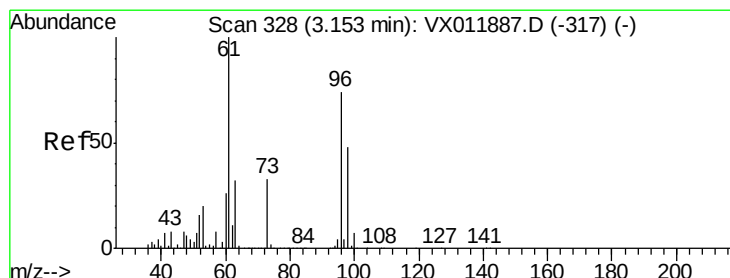
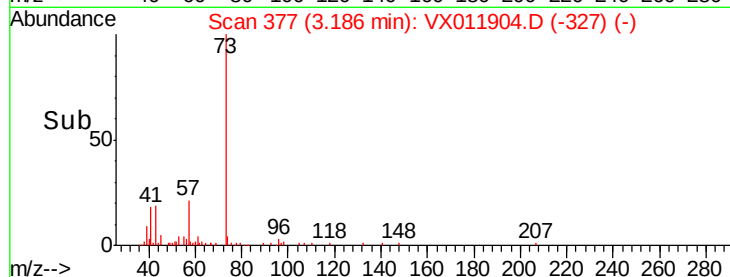
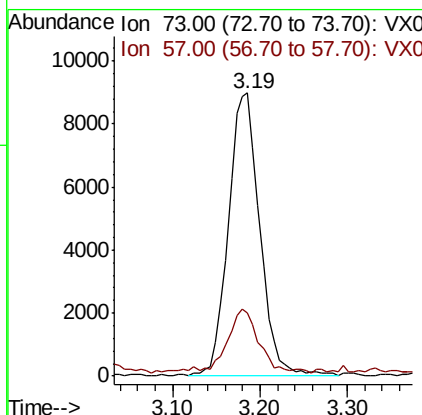
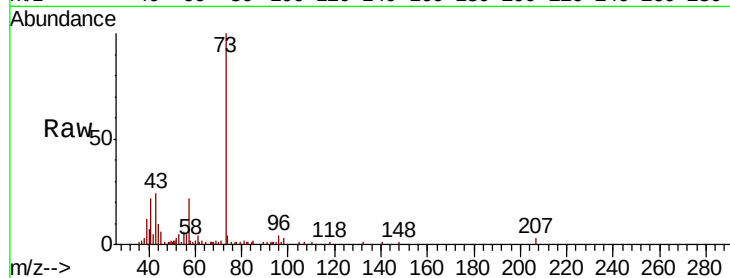




#19
Methyl tert-butyl Ether
Concen: 2.697 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

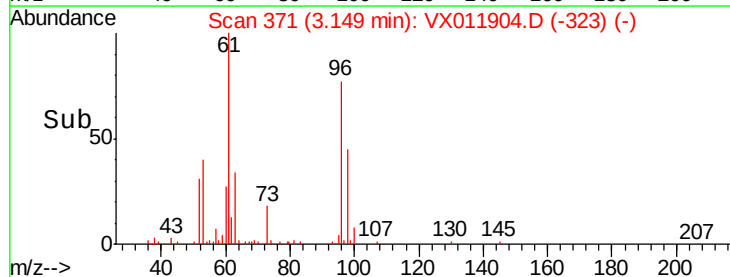
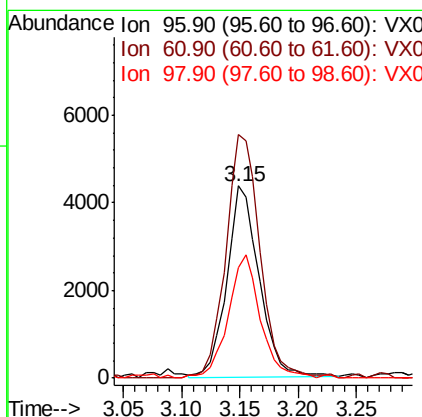
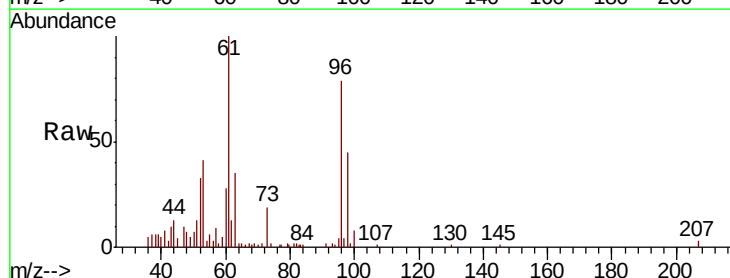
Instrument :
MSVOA_X
ClientSampleId :
MDL04

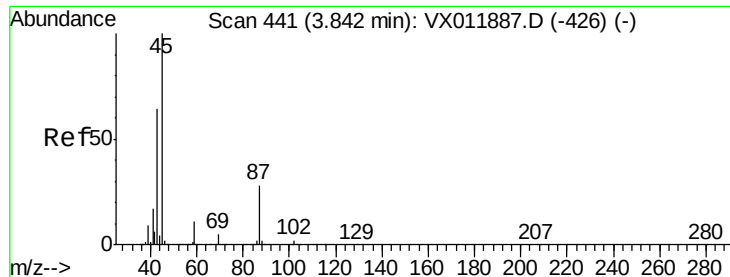
Tgt Ion: 73 Resp: 22417
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0



#21
trans-1,2-Dichloroethene
Concen: 2.779 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 96 Resp: 8398
Ion Ratio Lower Upper
96 100
61 128.3 107.4 161.2
98 58.3 51.4 77.2





#22

Diisopropyl ether

Concen: 2.594 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tgt Ion: 45 Resp: 25483

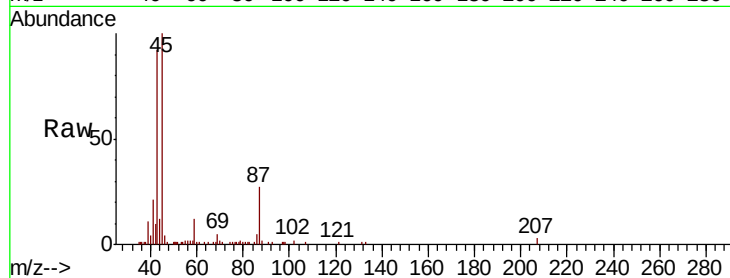
Ion Ratio Lower Upper

45 100

43 88.6 51.0 76.6#

87 27.6 22.0 33.0

59 11.8 9.1 13.7

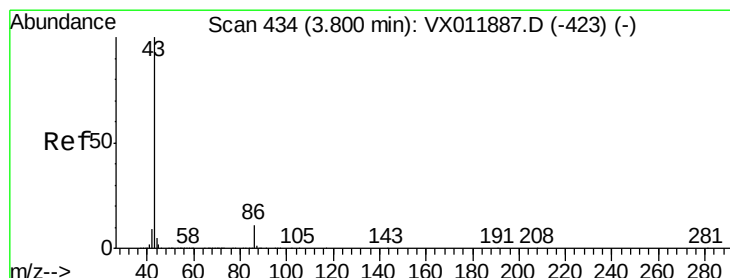
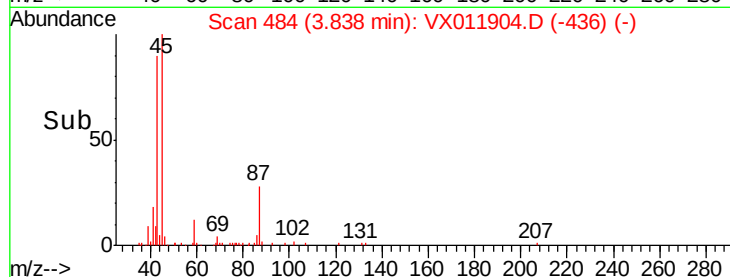
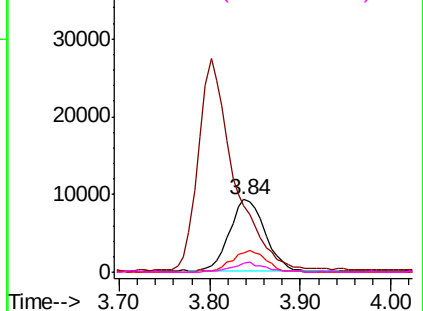


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 11.888 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011904.D

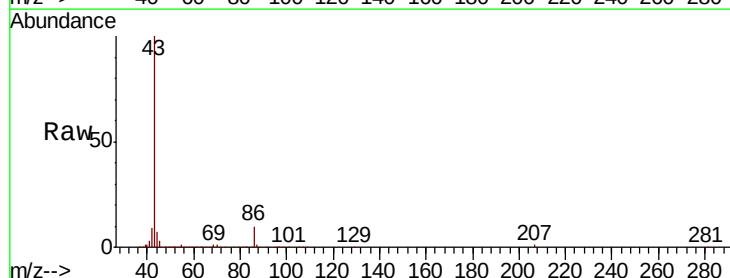
Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 75086

Ion Ratio Lower Upper

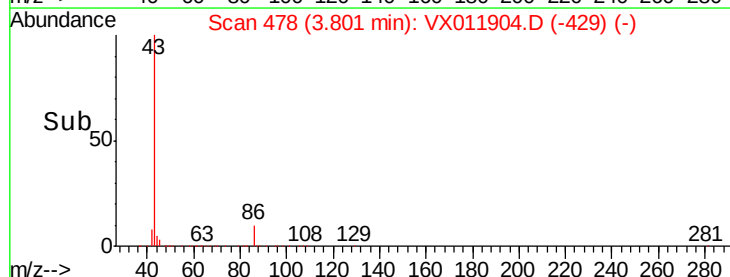
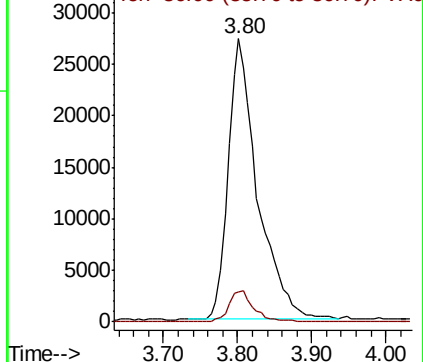
43 100

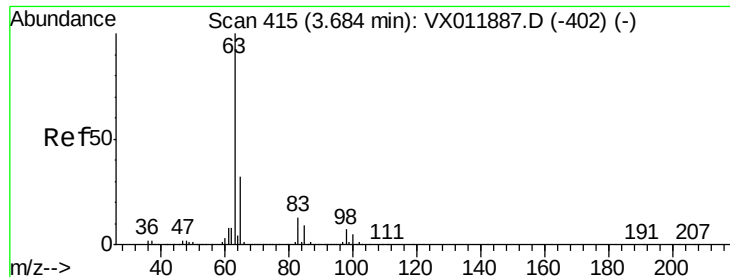
86 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 2.571 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

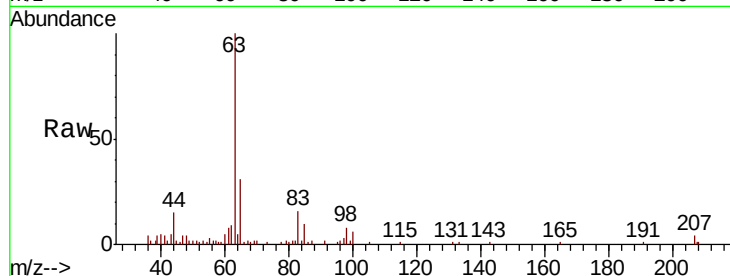
Tgt Ion: 63 Resp: 13926

Ion Ratio Lower Upper

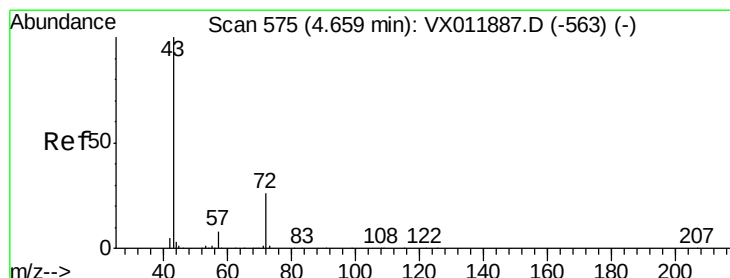
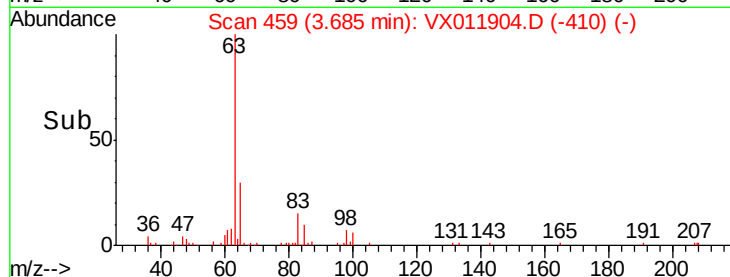
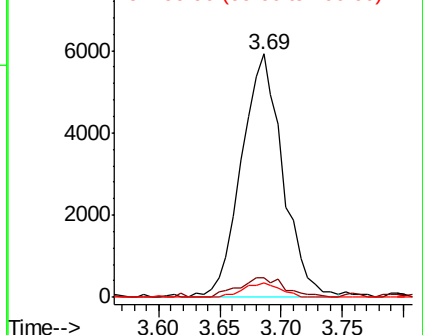
63 100

98 8.1 3.8 11.2

100 6.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 13.277 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX011904.D

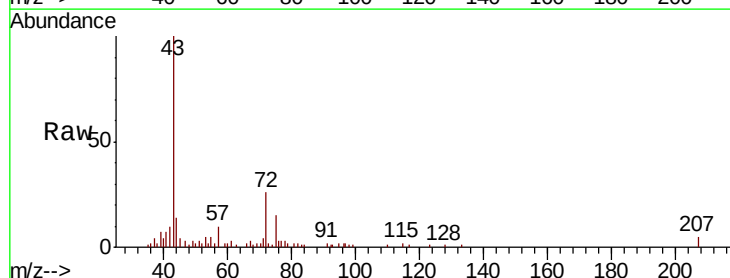
Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 14560

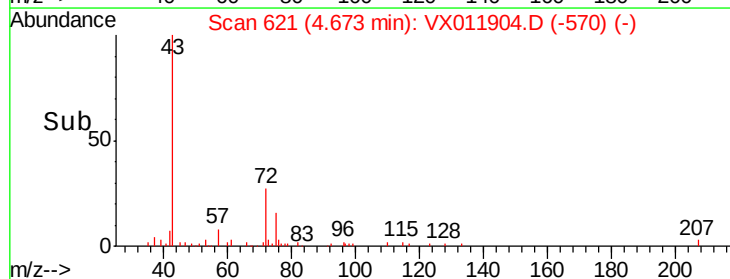
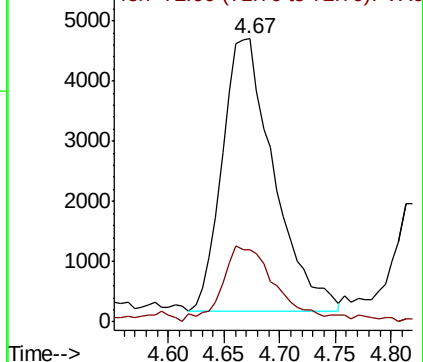
Ion Ratio Lower Upper

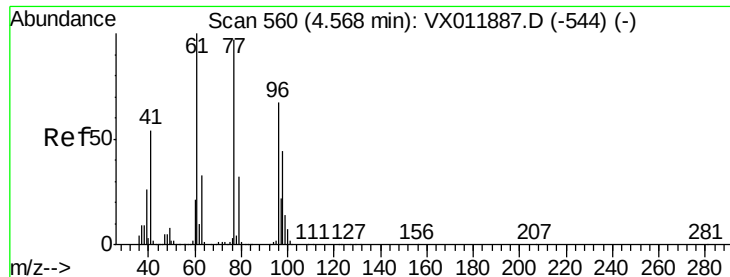
43 100

72 24.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

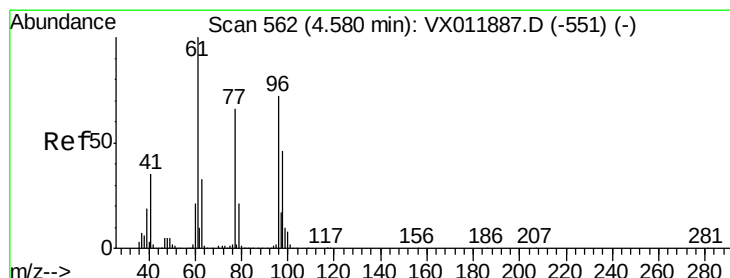
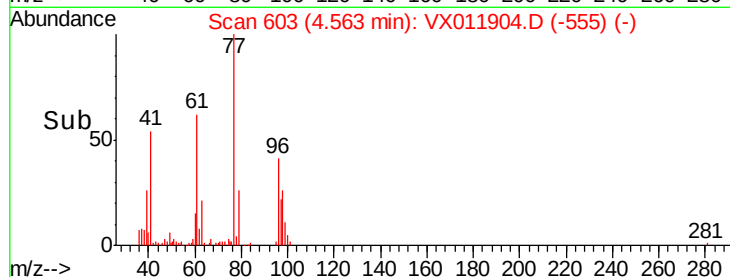
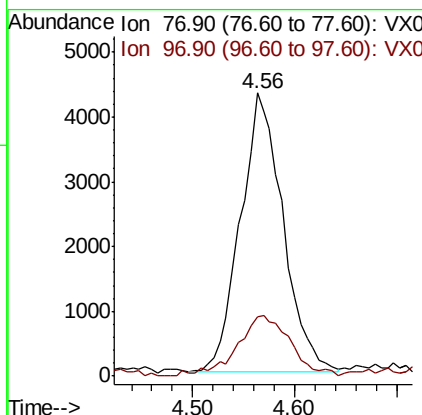
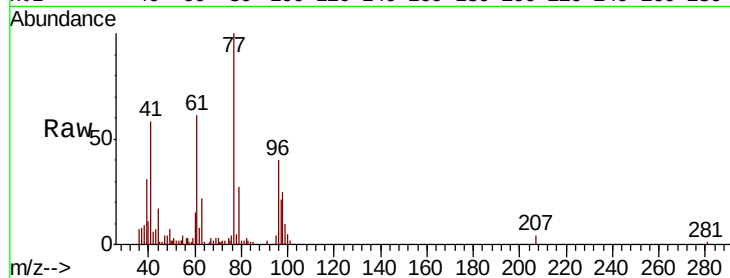




#26
 2,2-Dichloropropane
 Concen: 2.728 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

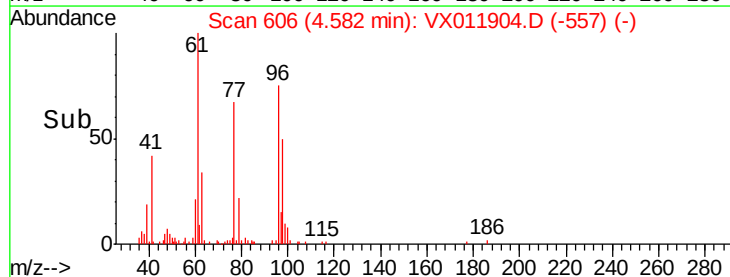
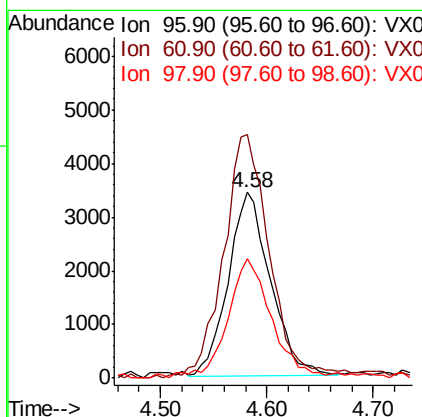
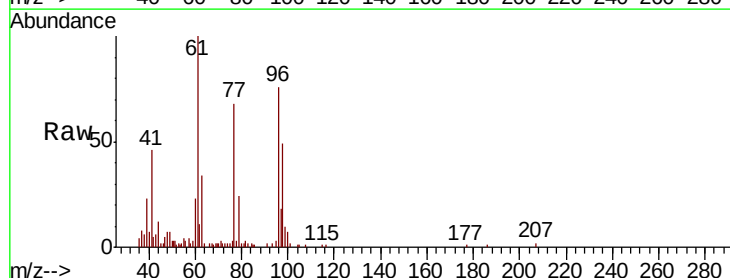
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

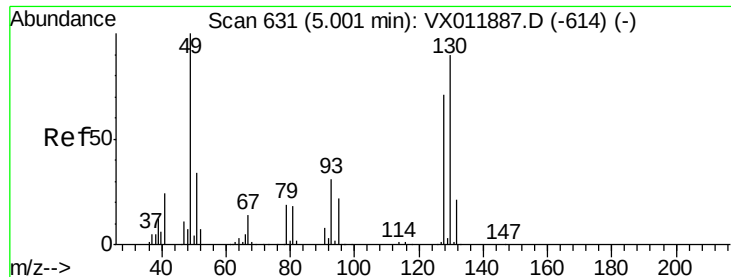
Tgt Ion: 77 Resp: 12397
 Ion Ratio Lower Upper
 77 100
 97 27.2 11.7 35.1



#27
 cis-1,2-Dichloroethene
 Concen: 2.680 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion: 96 Resp: 9541
 Ion Ratio Lower Upper
 96 100
 61 144.7 0.0 283.8
 98 66.6 0.0 131.2





#28

Bromochloromethane

Concen: 2.808 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

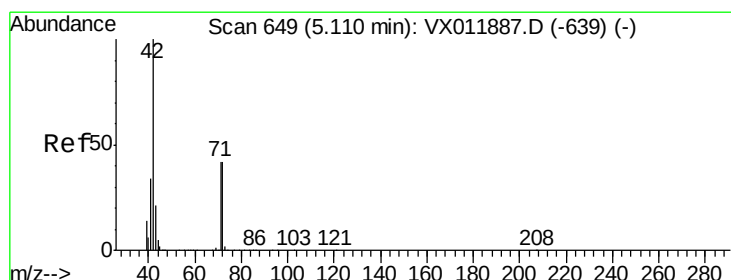
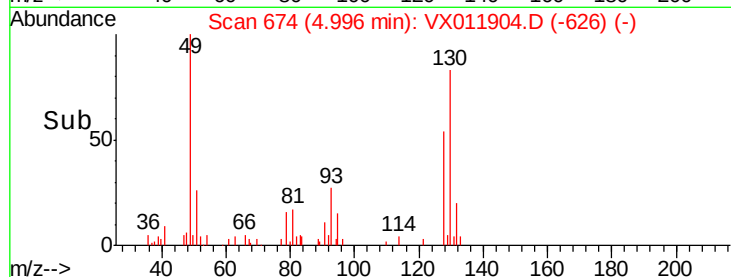
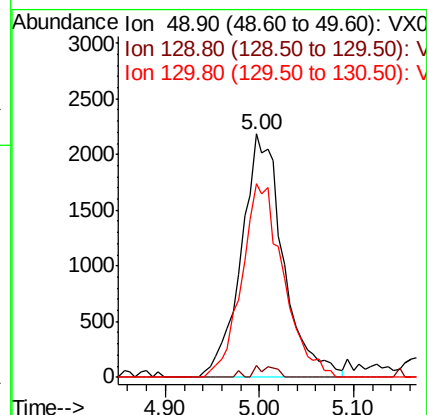
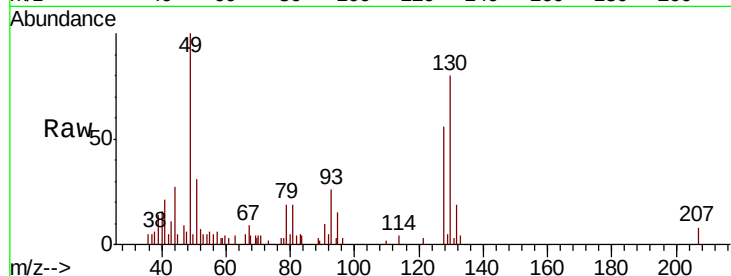
Tgt Ion: 49 Resp: 6827

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.8

130 79.0 70.6 105.8



#29

Tetrahydrofuran

Concen: 14.228 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

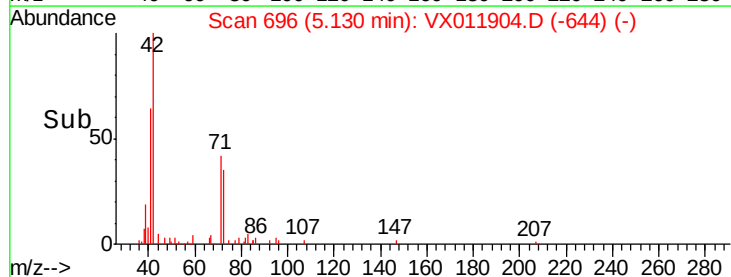
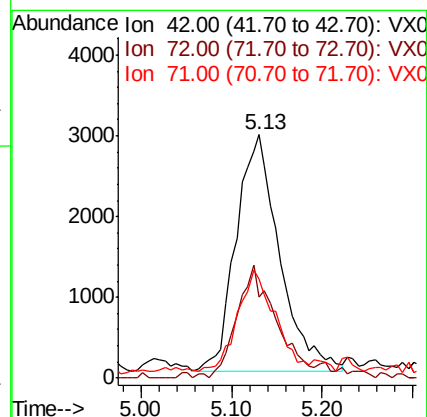
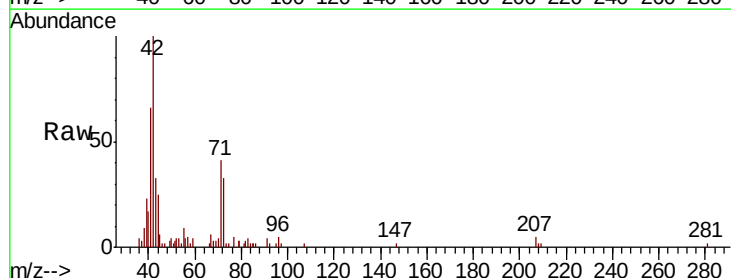
Tgt Ion: 42 Resp: 9739

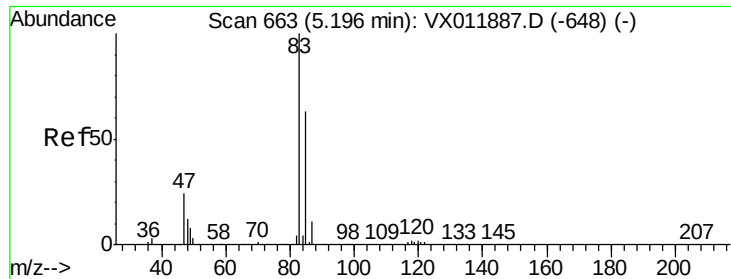
Ion Ratio Lower Upper

42 100

72 43.1 36.2 54.4

71 37.0 33.1 49.7

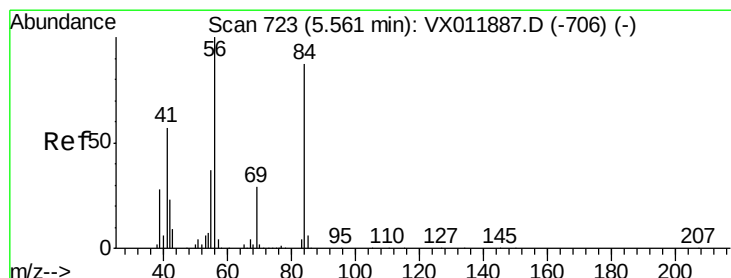
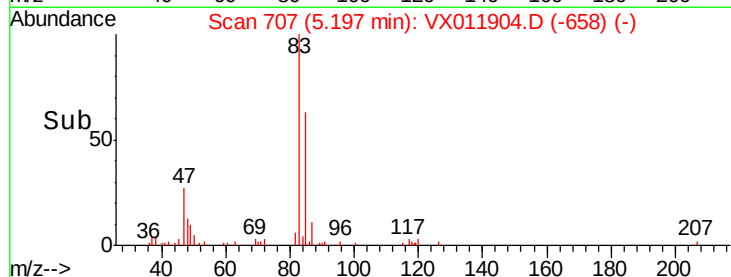
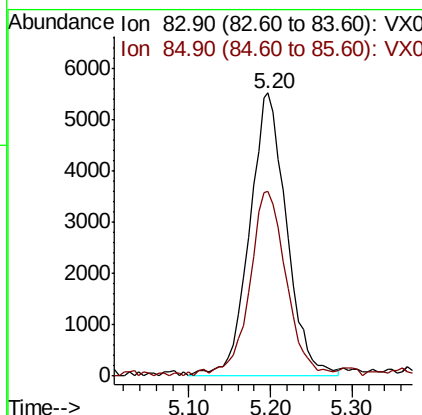
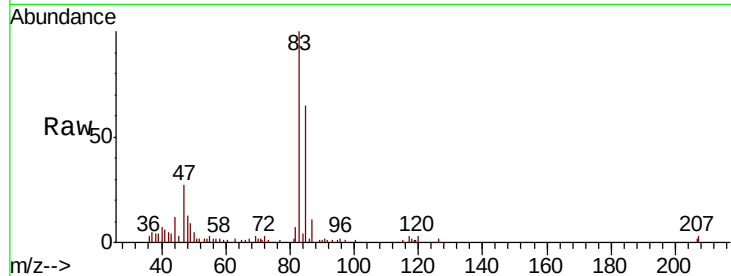




#30
Chloroform
Concen: 3.017 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

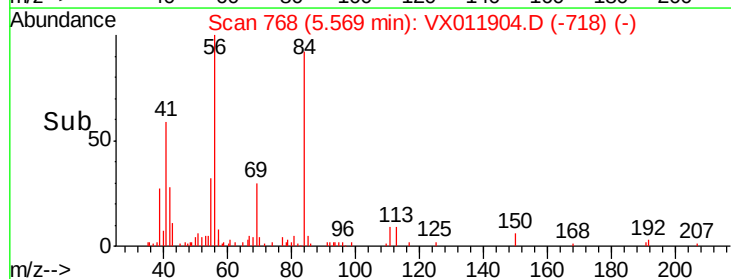
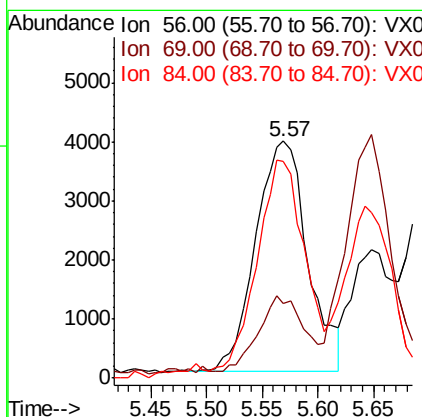
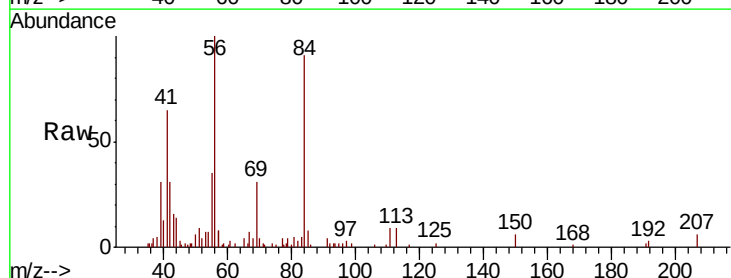
Instrument :
MSVOA_X
ClientSampleId :
MDL04

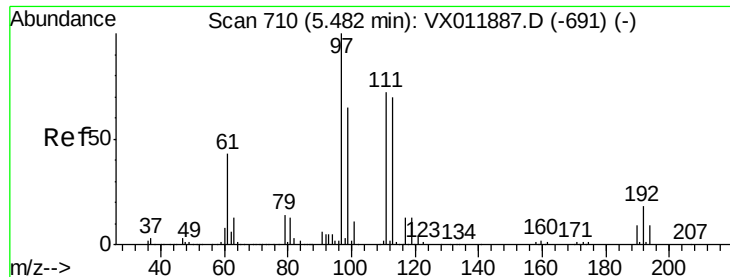
Tgt Ion: 83 Resp: 17476
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8



#31
Cyclohexane
Concen: 2.910 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 56 Resp: 12718
Ion Ratio Lower Upper
56 100
69 28.2 23.1 34.7
84 90.8 69.6 104.4





#32

1,1,1-Trichloroethane

Concen: 2.750 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

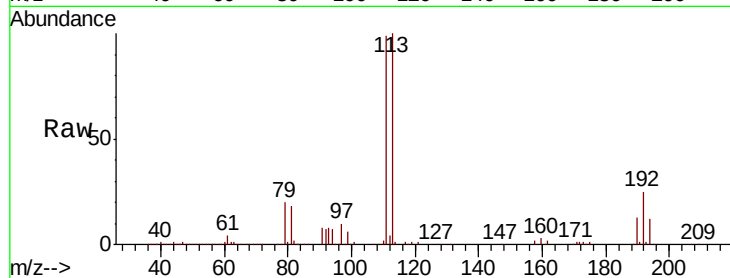
Tgt Ion: 97 Resp: 14150

Ion Ratio Lower Upper

97 100

99 66.4 51.8 77.8

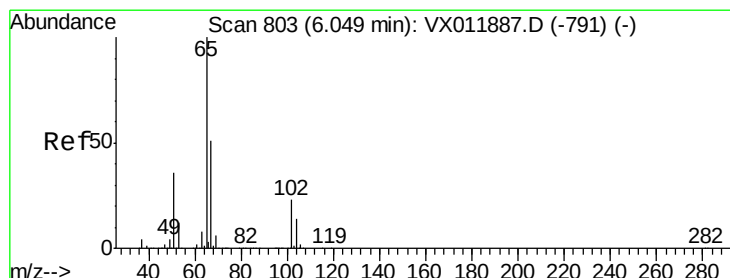
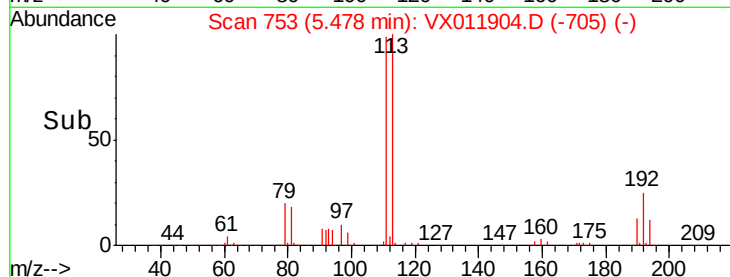
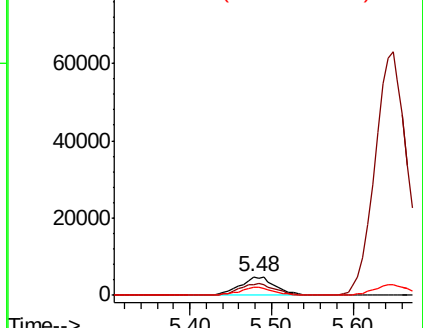
61 44.4 33.8 50.6



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: 46.184 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011904.D

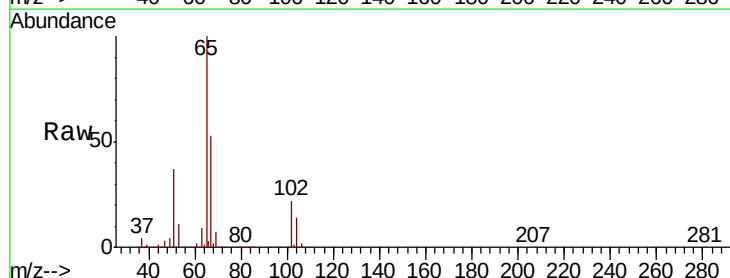
Acq: 30 Aug 2019 12:45

Tgt Ion: 65 Resp: 161625

Ion Ratio Lower Upper

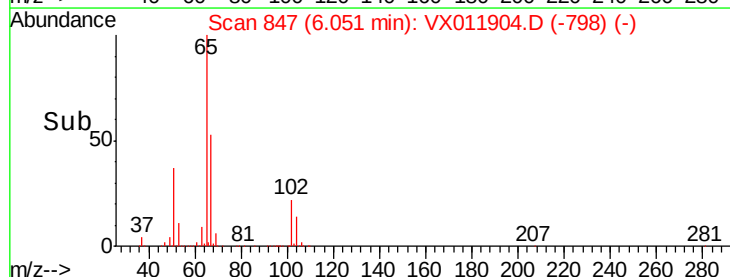
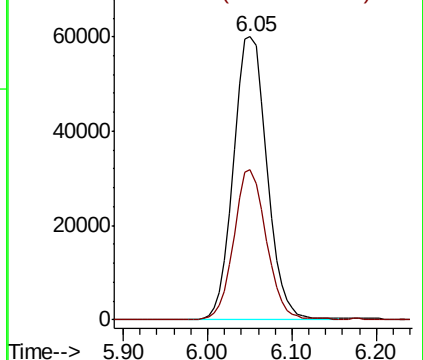
65 100

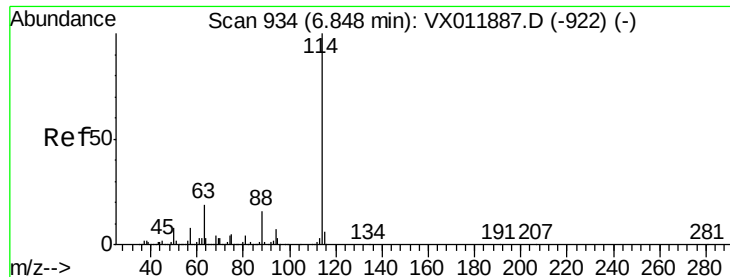
67 51.7 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

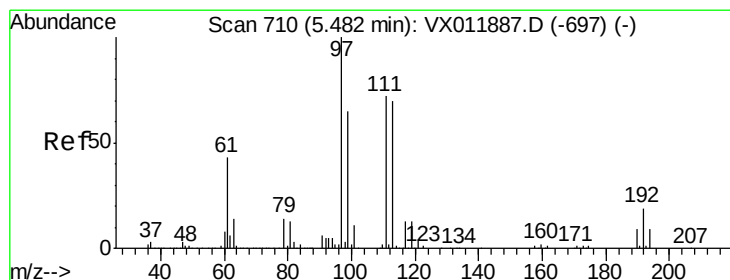
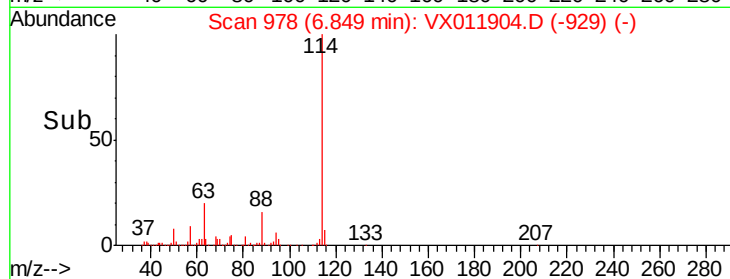
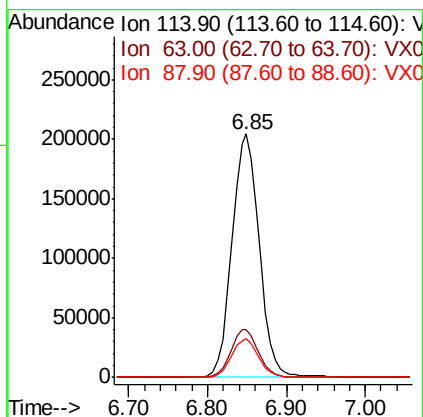
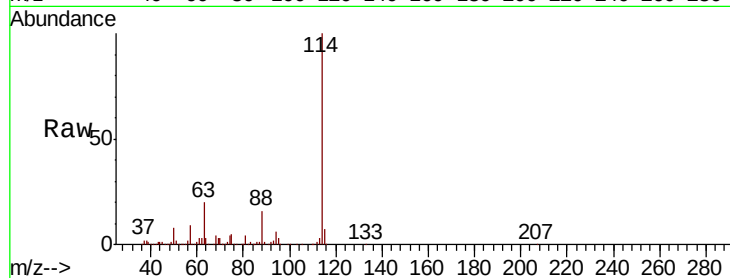




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

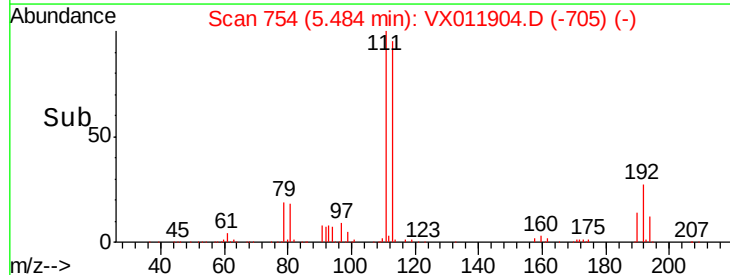
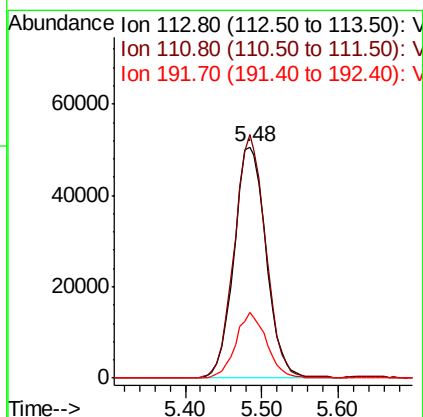
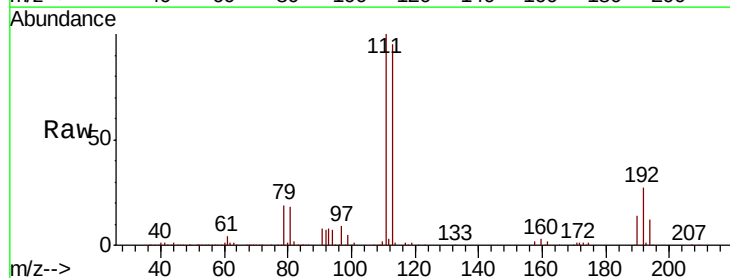
Instrument :
MSVOA_X
ClientSampled :
MDL04

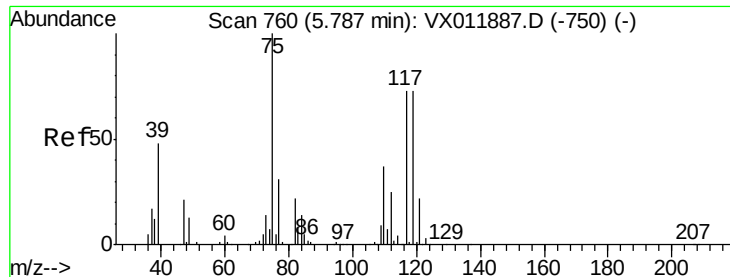
Tgt Ion:114 Resp: 489783
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 16.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion:113 Resp: 147330
Ion Ratio Lower Upper
113 100
111 102.6 82.1 123.1
192 27.4 21.5 32.3





#36

1,1-Dichloropropene

Concen: 2.805 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

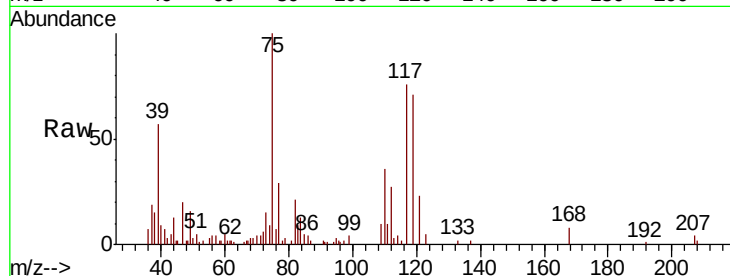
Tgt Ion: 75 Resp: 10886

Ion Ratio Lower Upper

75 100

110 41.0 19.1 57.3

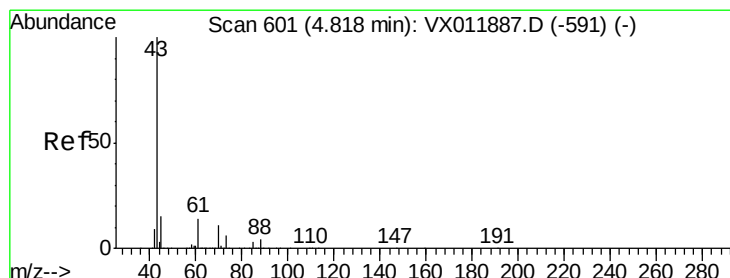
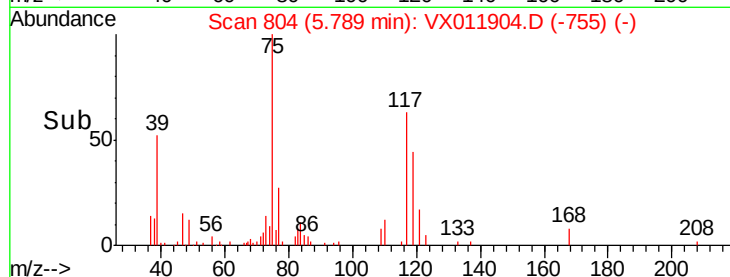
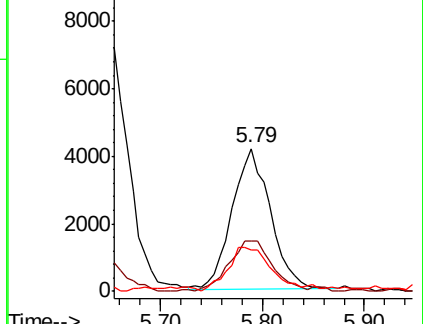
77 36.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 2.246 ug/l

RT: 4.83 min Scan# 647

Delta R.T. 0.01 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

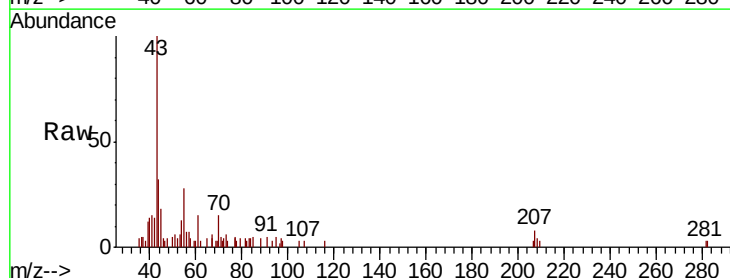
Tgt Ion: 43 Resp: 5158

Ion Ratio Lower Upper

43 100

61 22.2 11.0 16.4#

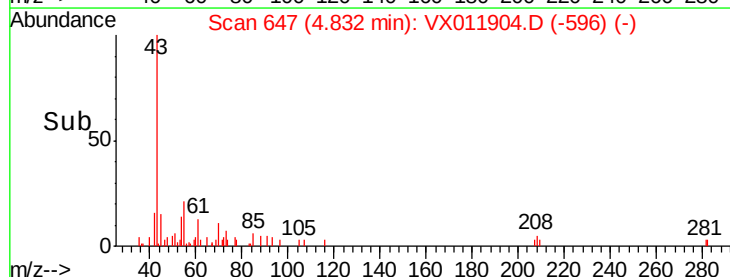
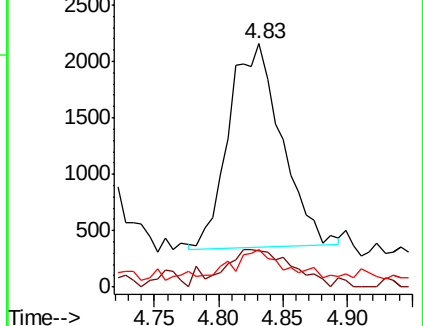
70 13.4 9.2 13.8

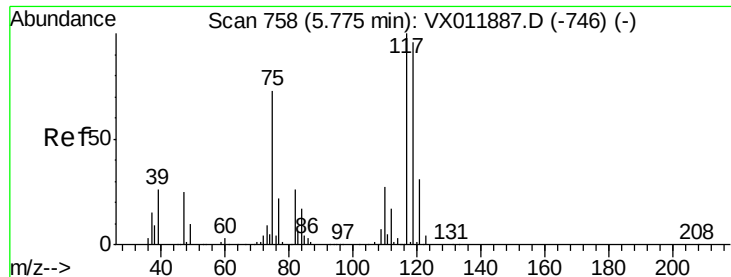


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 2.922 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

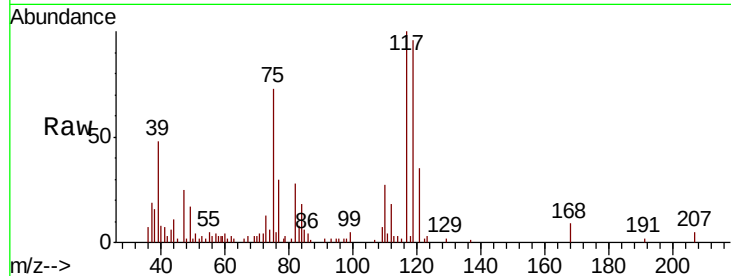
Tgt Ion:117 Resp: 13148

Ion Ratio Lower Upper

117 100

119 95.5 76.6 114.8

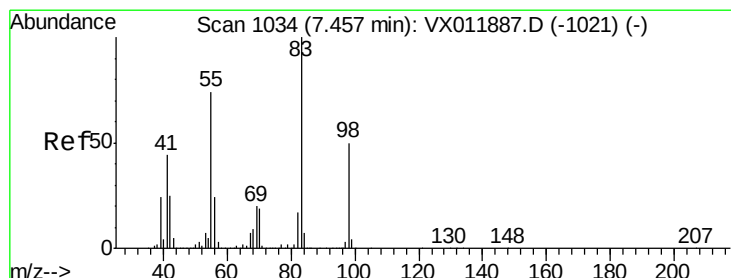
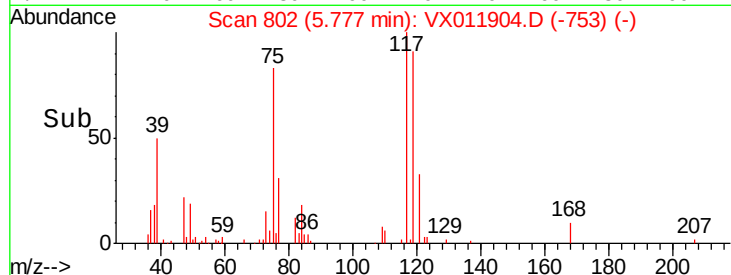
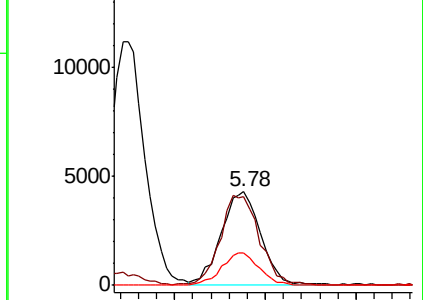
121 34.9 24.7 37.1



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: 3.064 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

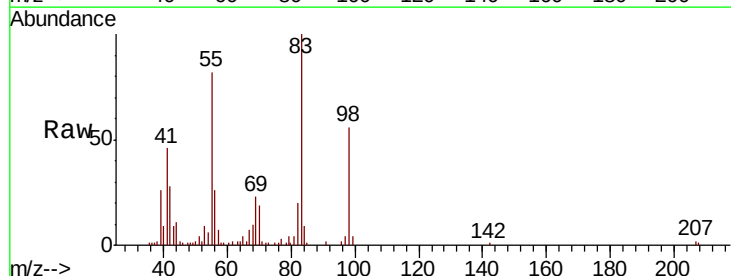
Tgt Ion: 83 Resp: 14159

Ion Ratio Lower Upper

83 100

55 80.1 59.4 89.0

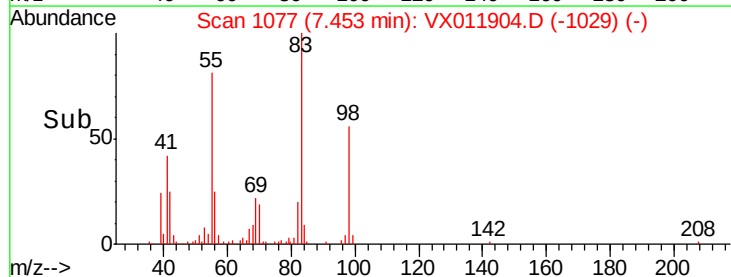
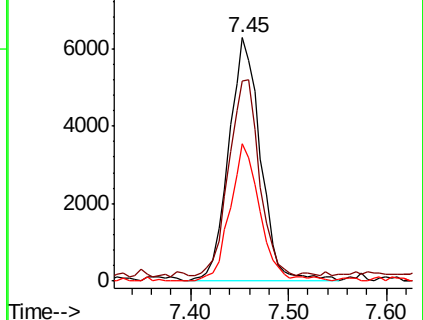
98 56.3 40.3 60.5

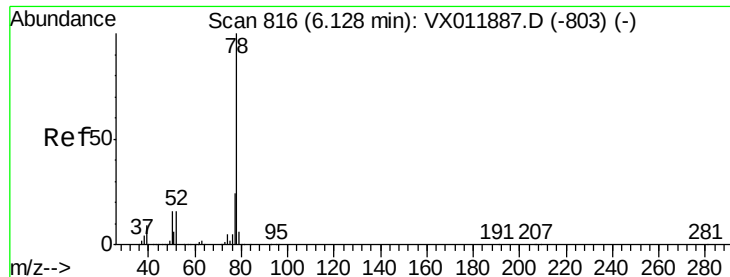


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.731 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

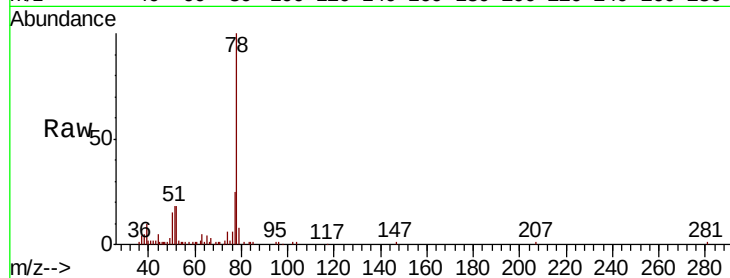
MDL04

Tgt Ion: 78 Resp: 31636

Ion Ratio Lower Upper

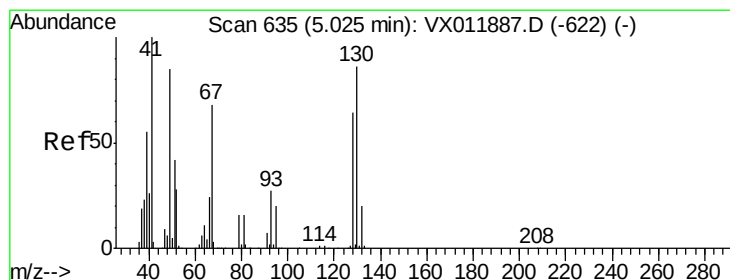
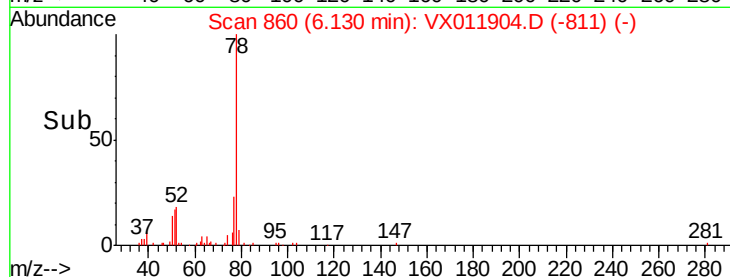
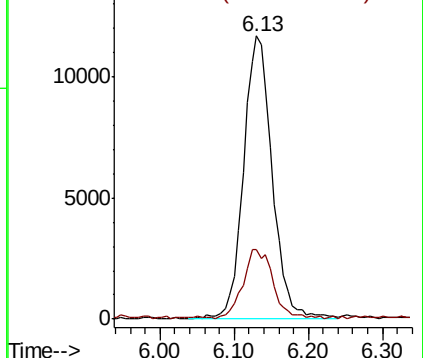
78 100

77 24.8 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: 2.571 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Tgt Ion: 41 Resp: 3477

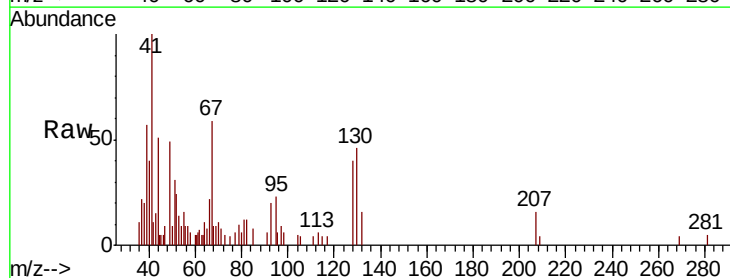
Ion Ratio Lower Upper

41 100

39 62.7 45.0 67.6

67 64.4 55.0 82.4

52 37.6 24.1 36.1#

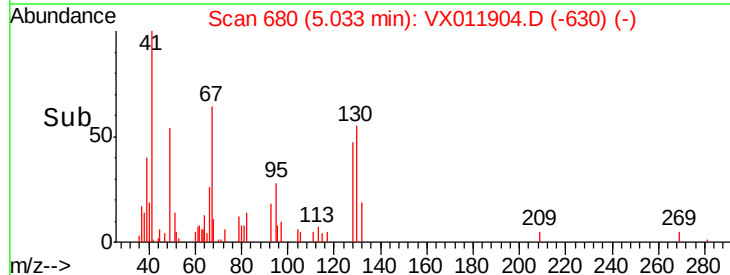
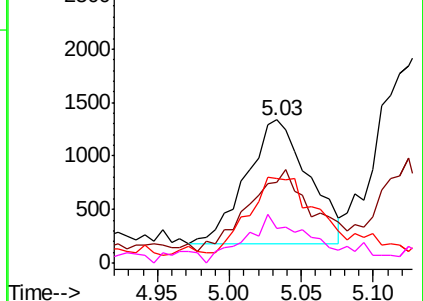


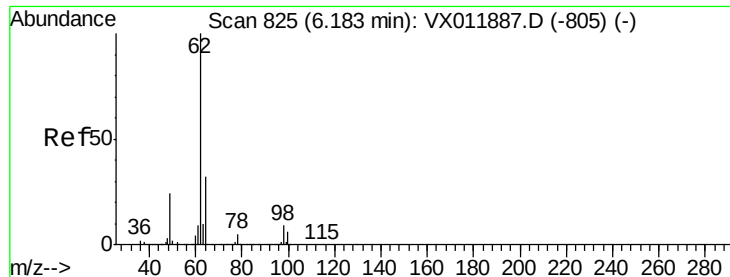
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

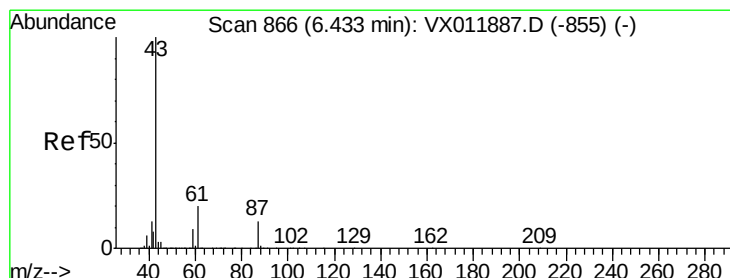
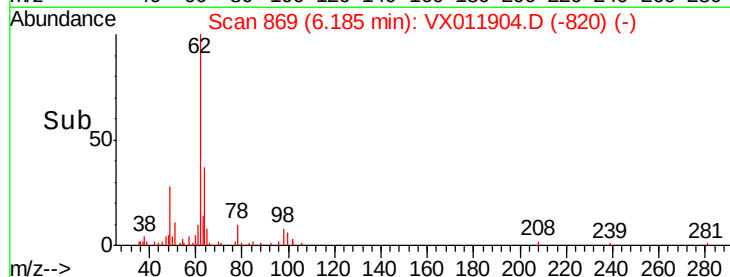
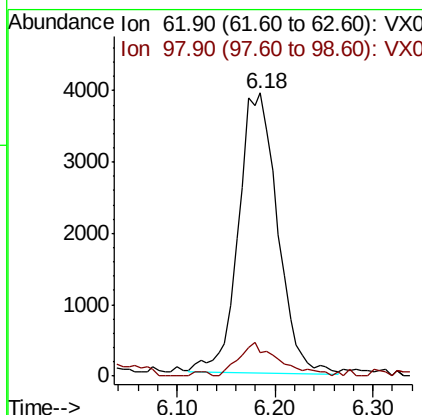
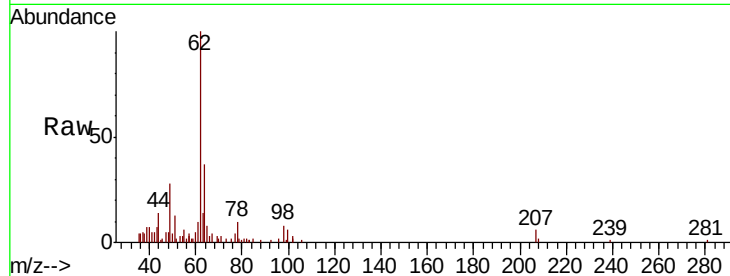




#42
 1,2-Dichloroethane
 Concen: 2.757 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

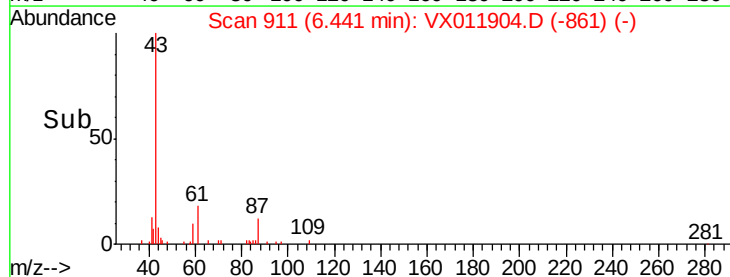
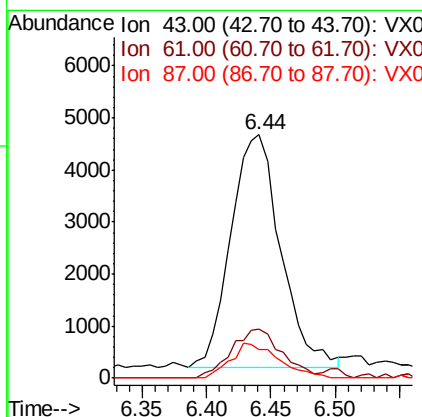
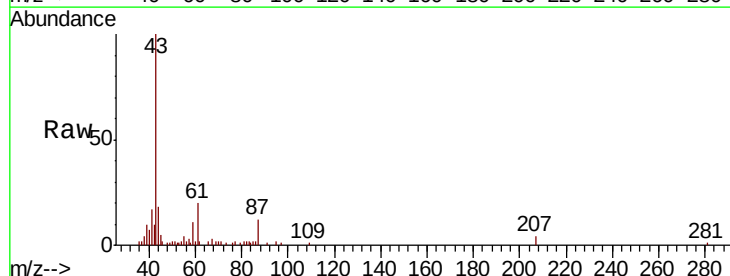
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

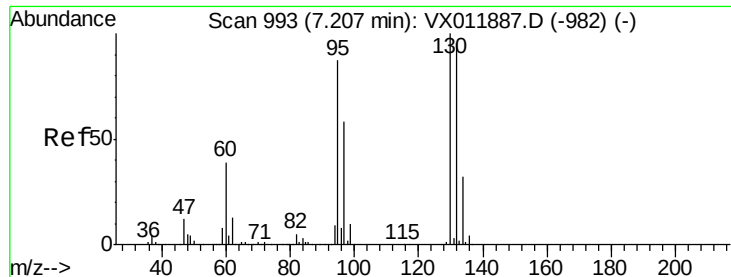
Tgt Ion: 62 Resp: 10859
 Ion Ratio Lower Upper
 62 100
 98 12.2 0.0 19.2



#43
 Isopropyl Acetate
 Concen: 2.573 ug/l
 RT: 6.44 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 11984
 Ion Ratio Lower Upper
 43 100
 61 21.3 16.1 24.1
 87 14.6 10.6 16.0





#44

Trichloroethene

Concen: 2.761 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

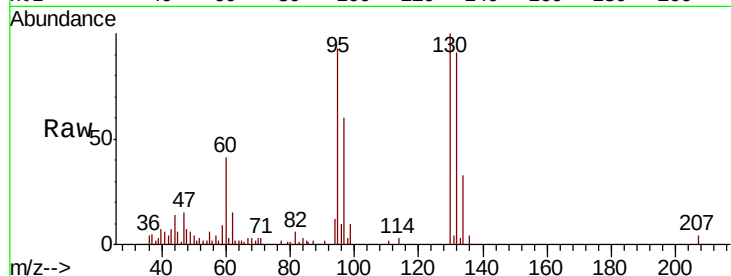
MDL04

Tgt Ion:130 Resp: 9895

Ion Ratio Lower Upper

130 100

95 91.8 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

5000

4000

3000

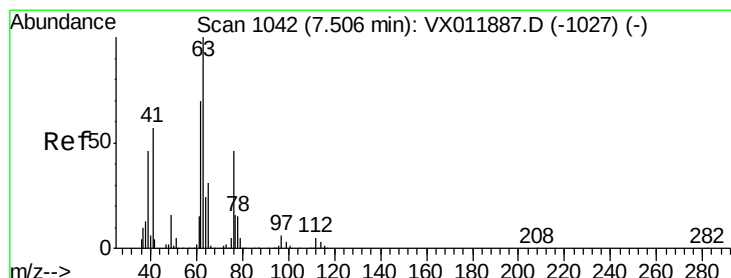
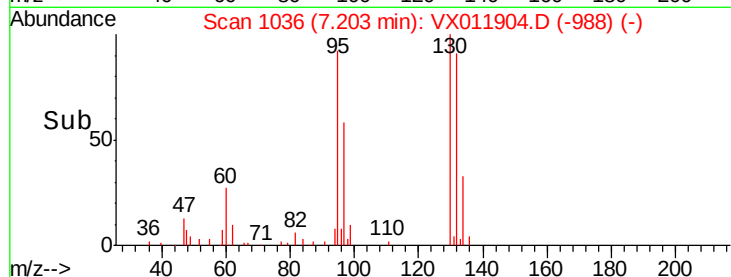
2000

1000

0

Time-->

7.10 7.20 7.30



#45

1,2-Dichloropropane

Concen: 2.818 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX011904.D

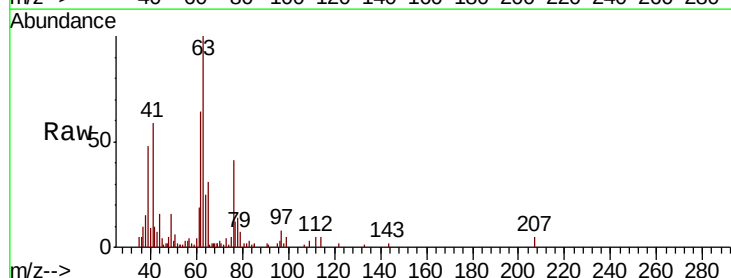
Acq: 30 Aug 2019 12:45

Tgt Ion: 63 Resp: 8538

Ion Ratio Lower Upper

63 100

65 29.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

5000

4000

3000

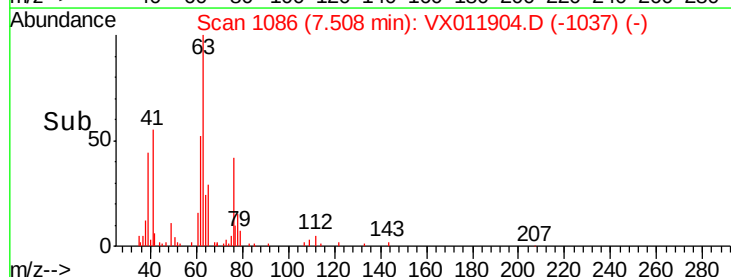
2000

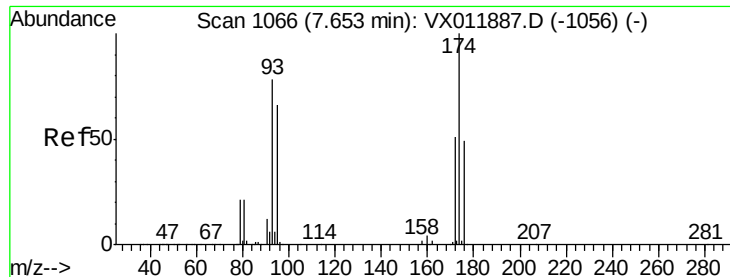
1000

0

Time-->

7.40 7.50 7.60





#46

Dibromomethane

Concen: 2.724 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

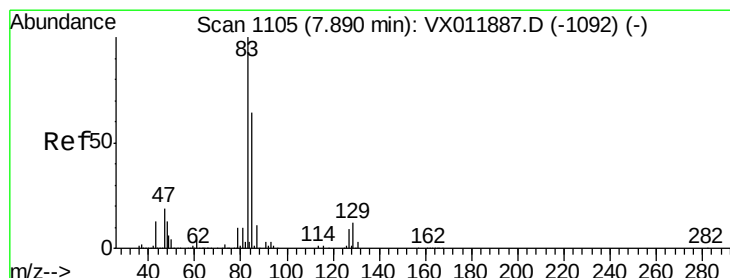
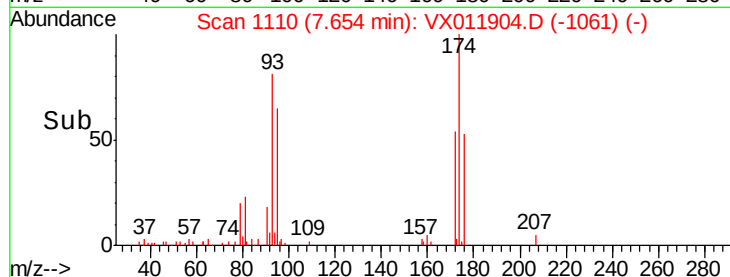
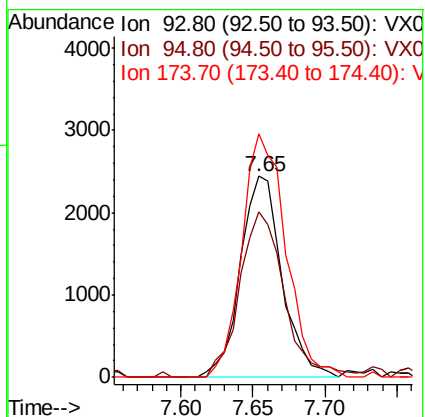
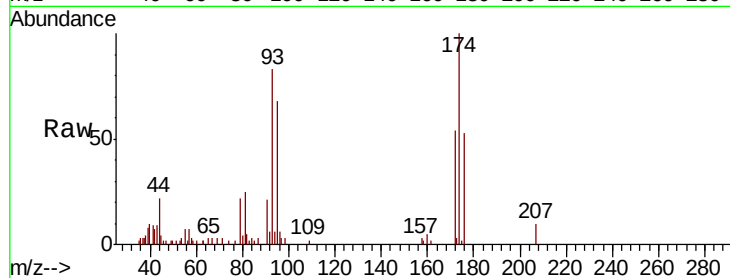
Tgt Ion: 93 Resp: 4898

Ion Ratio Lower Upper

93 100

95 88.0 65.7 98.5

174 127.6 104.2 156.4



#47

Bromodichloromethane

Concen: 2.655 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

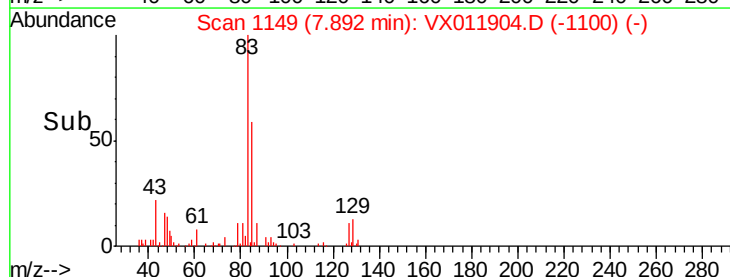
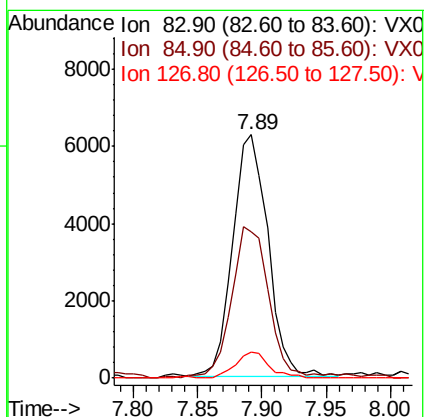
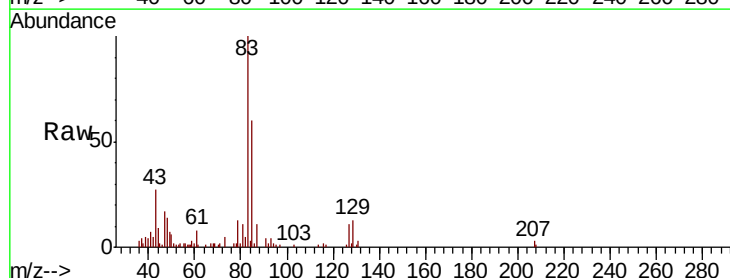
Tgt Ion: 83 Resp: 11839

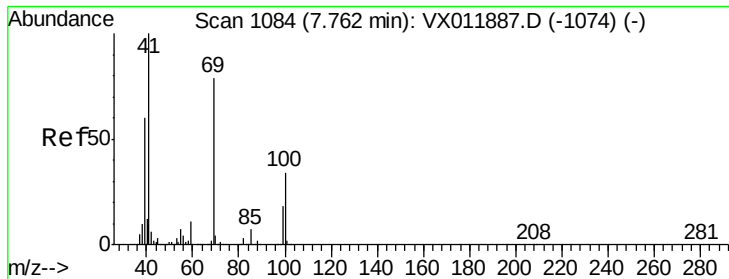
Ion Ratio Lower Upper

83 100

85 59.7 51.1 76.7

127 10.7 7.4 11.2

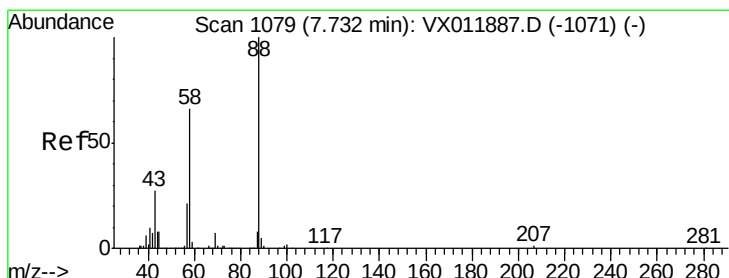
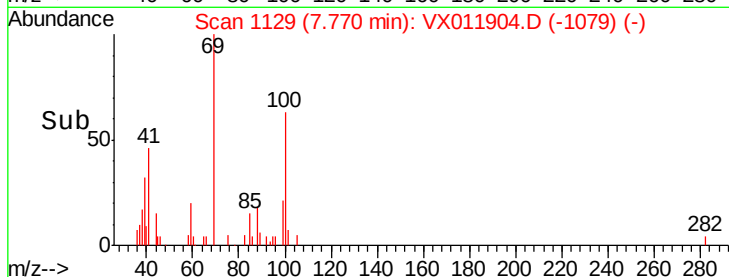
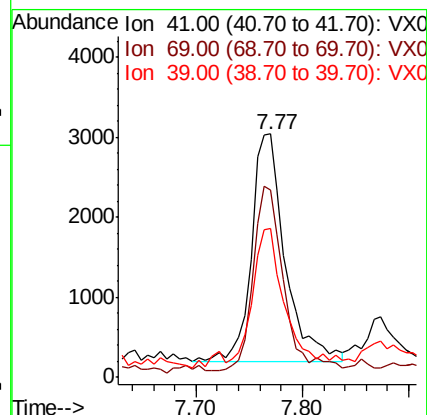
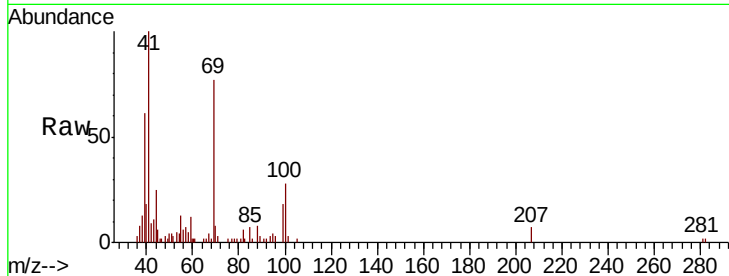




#48
Methyl methacrylate
Concen: 2.756 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

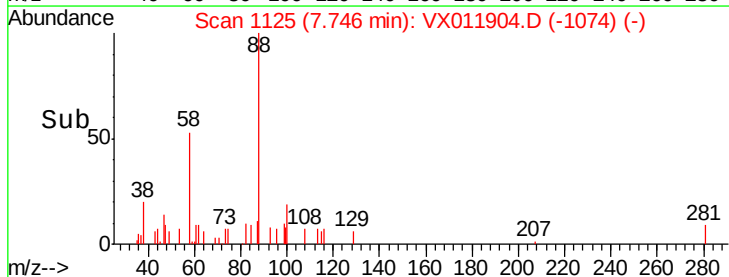
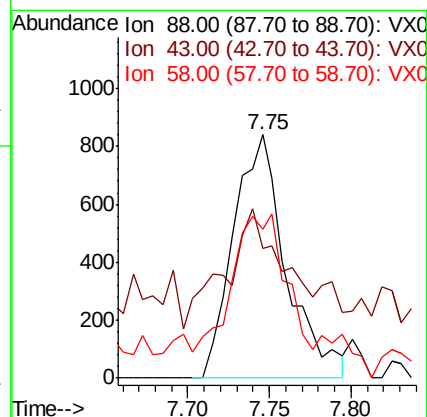
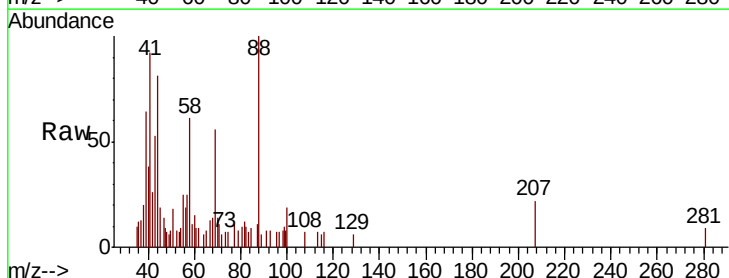
Instrument :
MSVOA_X
ClientSampleId :
MDL04

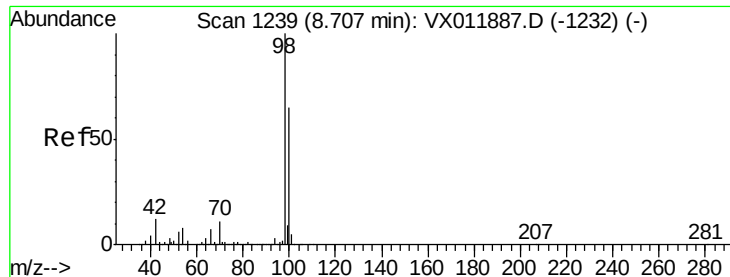
Tgt Ion: 41 Resp: 6245
Ion Ratio Lower Upper
41 100
69 74.5 64.4 96.6
39 55.3 47.2 70.8



#49
1,4-Dioxane
Concen: 60.402 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 88 Resp: 1882
Ion Ratio Lower Upper
88 100
43 53.1 27.3 40.9#
58 59.9 53.9 80.9

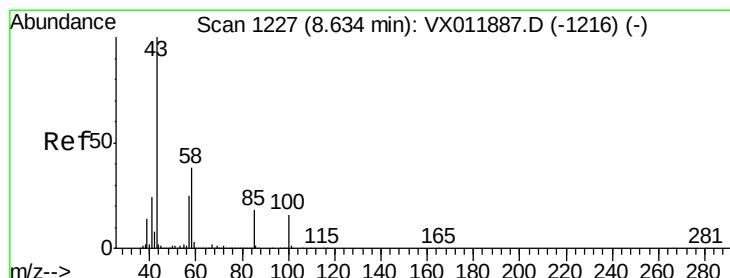
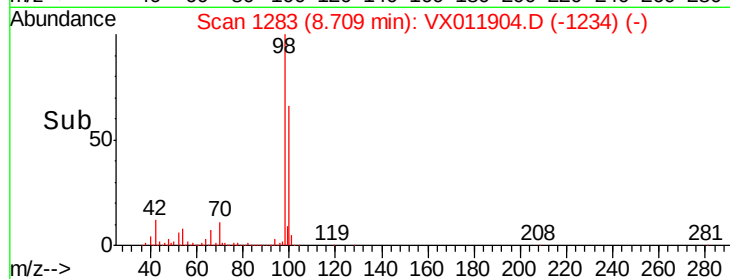
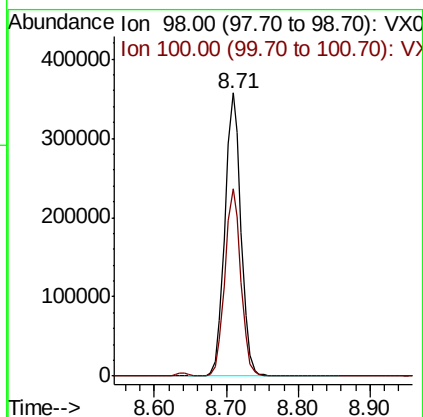
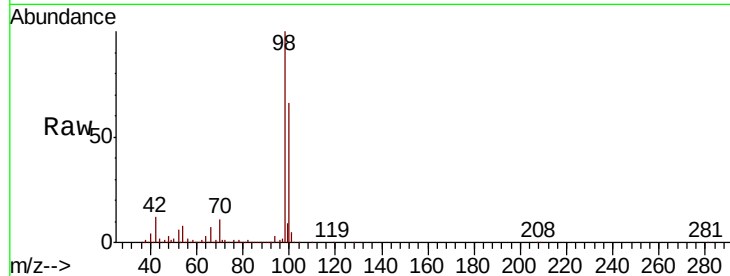




#50
Toluene-d8
Concen: 49.675 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

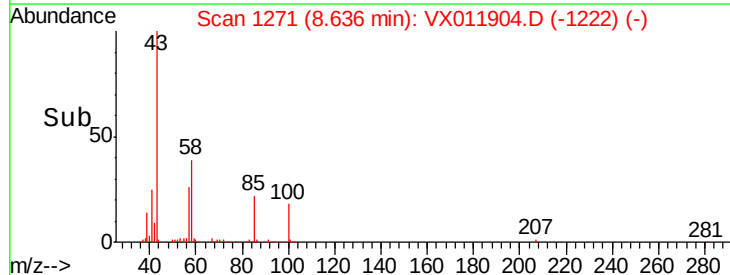
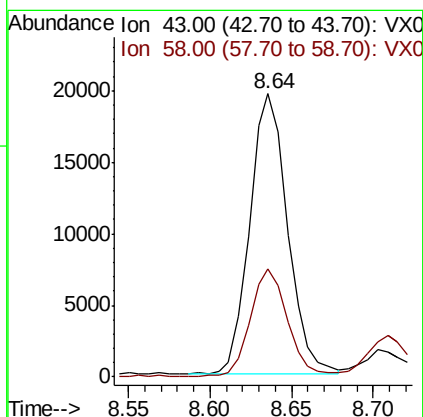
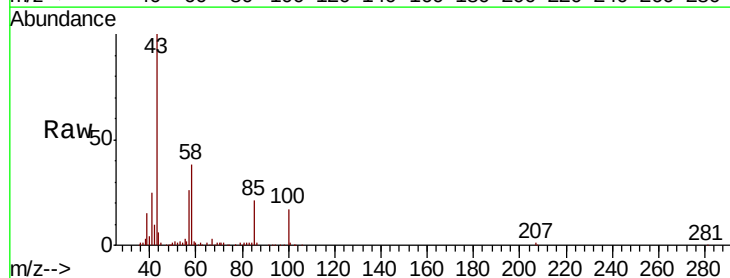
Instrument :
MSVOA_X
ClientSampleId :
MDL04

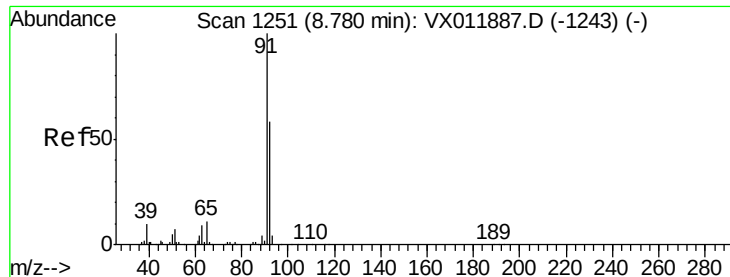
Tgt Ion: 98 Resp: 557698
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 13.305 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 31475
Ion Ratio Lower Upper
43 100
58 38.3 30.9 46.3





#52

Toluene

Concen: 2.759 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

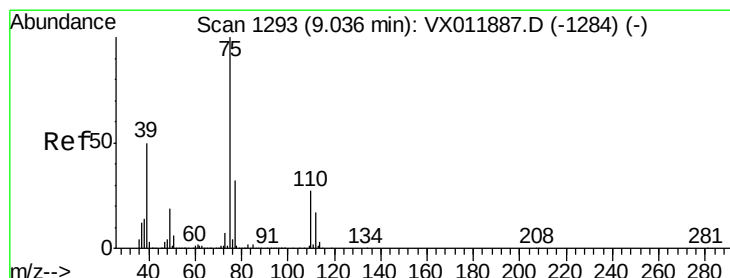
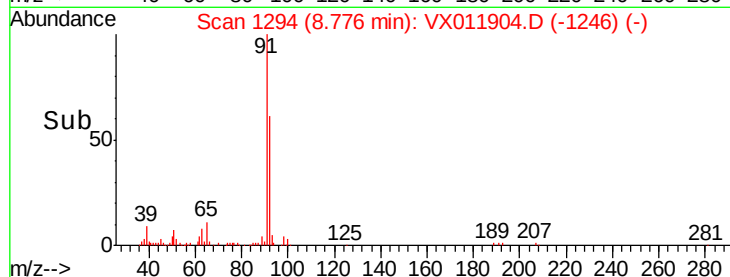
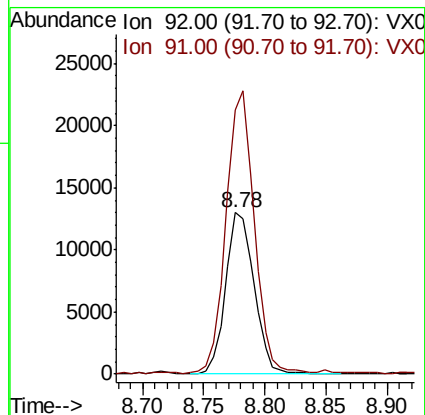
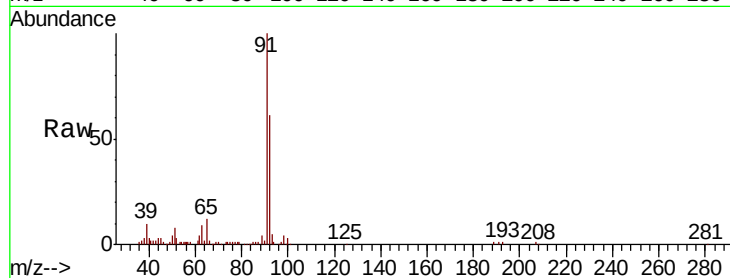
MDL04

Tgt Ion: 92 Resp: 21144

Ion Ratio Lower Upper

92 100

91 170.5 136.8 205.2



#53

t-1,3-Dichloropropene

Concen: 2.716 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011904.D

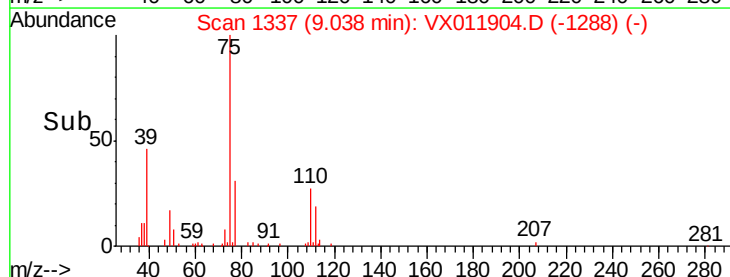
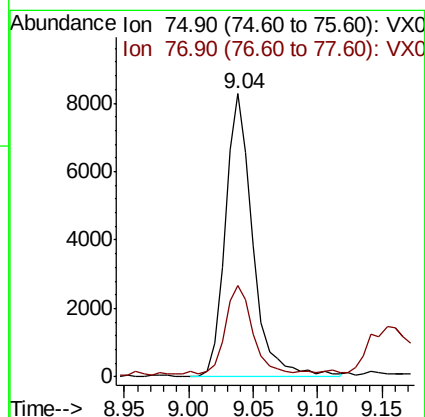
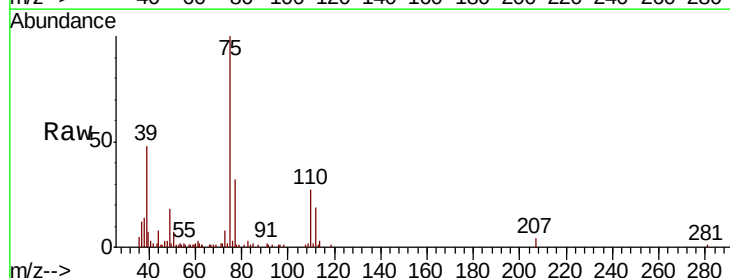
Acq: 30 Aug 2019 12:45

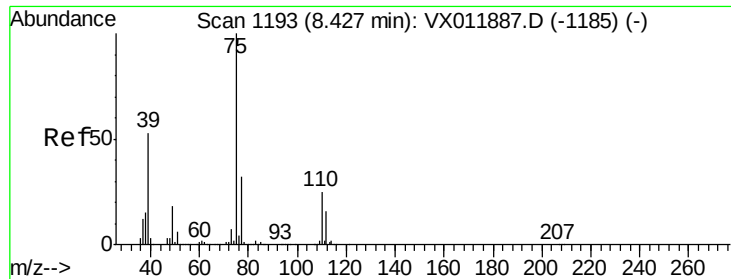
Tgt Ion: 75 Resp: 12404

Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4



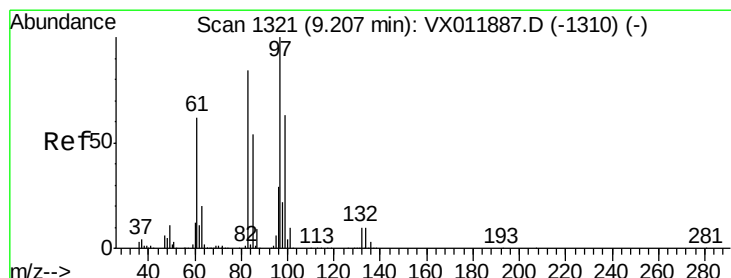
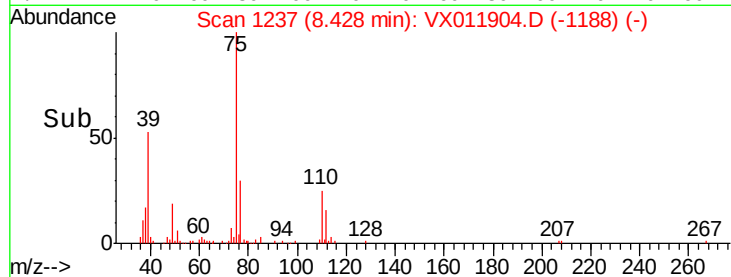
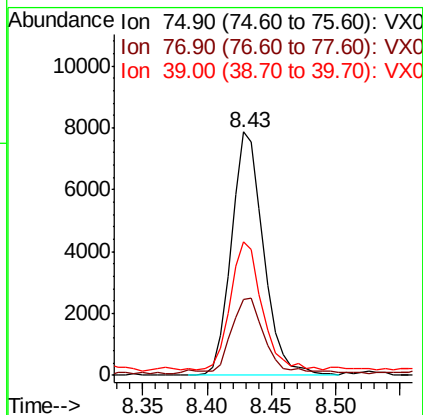
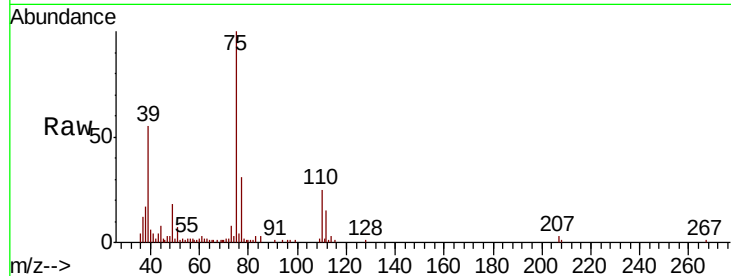


#54

cis-1,3-Dichloropropene
Concen: 2.669 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Instrument :
MSVOA_X
ClientSampled :
MDL04

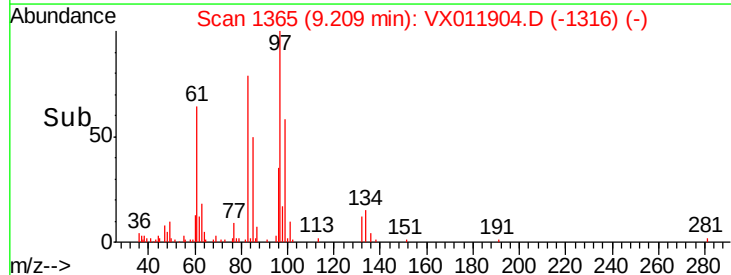
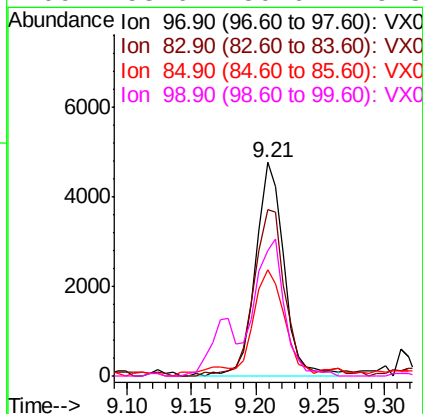
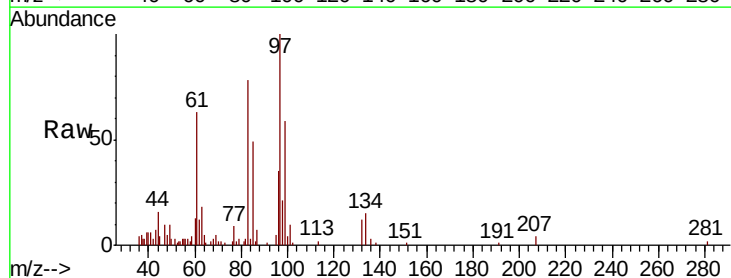
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.5	38.3
39	52.4	42.6	64.0

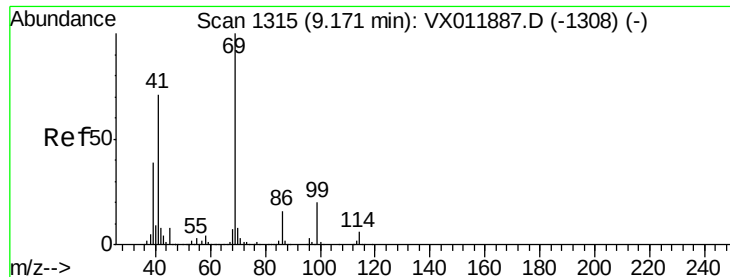


#55

1,1,2-Trichloroethane
Concen: 2.750 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.7	66.8	100.2
85	47.8	43.5	65.3
99	58.6	50.6	75.8





#56

Ethyl methacrylate

Concen: 2.621 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

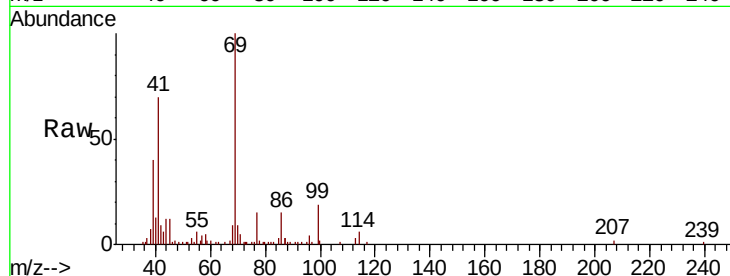
Tgt Ion: 69 Resp: 9577

Ion Ratio Lower Upper

69 100

41 63.3 55.8 83.8

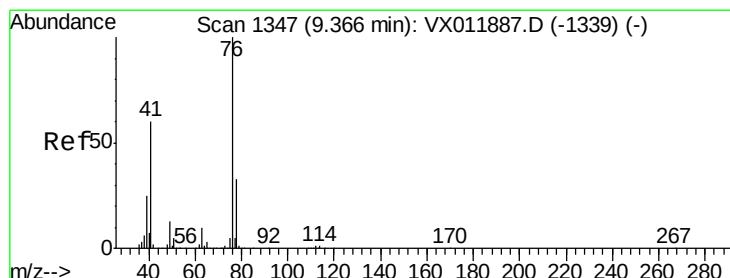
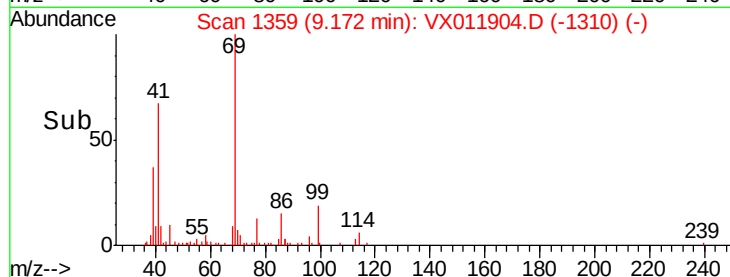
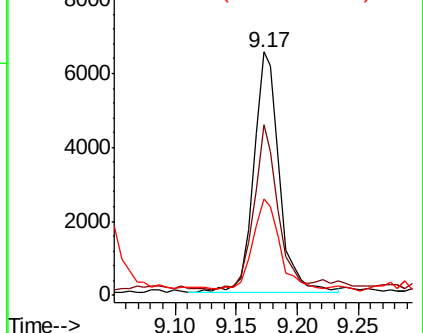
39 38.7 31.1 46.7



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: 2.608 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011904.D

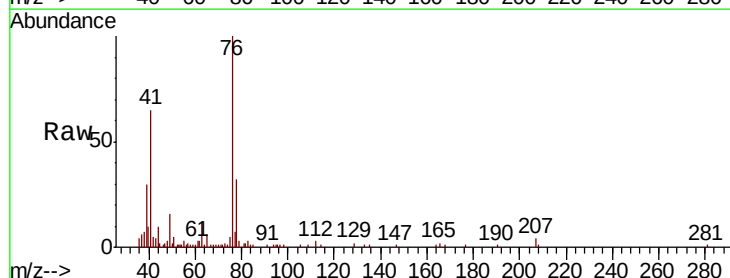
Acq: 30 Aug 2019 12:45

Tgt Ion: 76 Resp: 11395

Ion Ratio Lower Upper

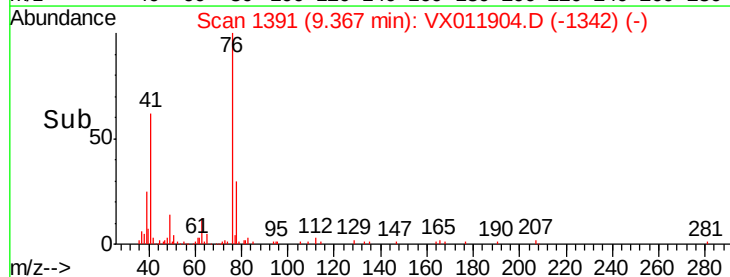
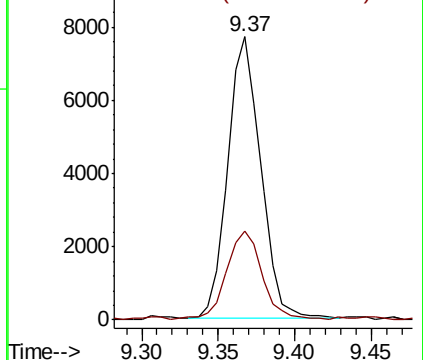
76 100

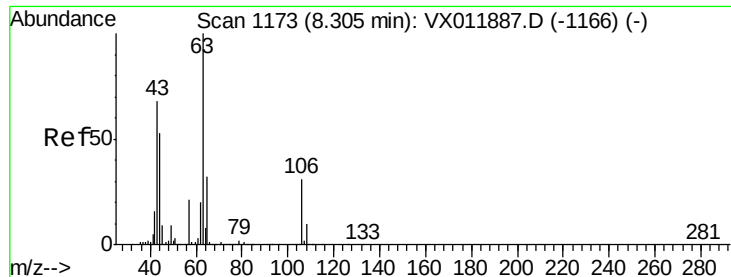
78 34.7 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

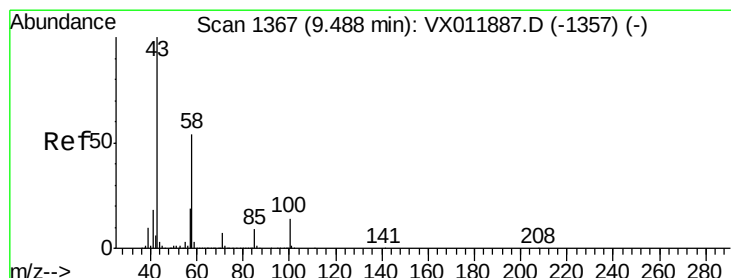
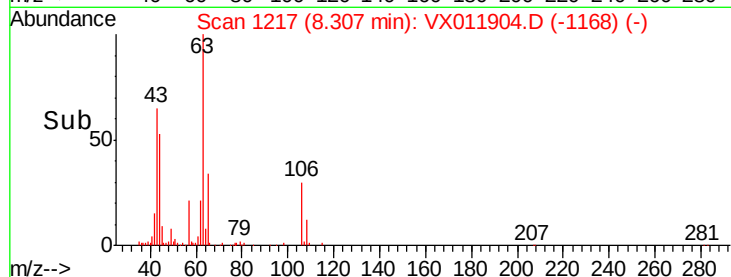
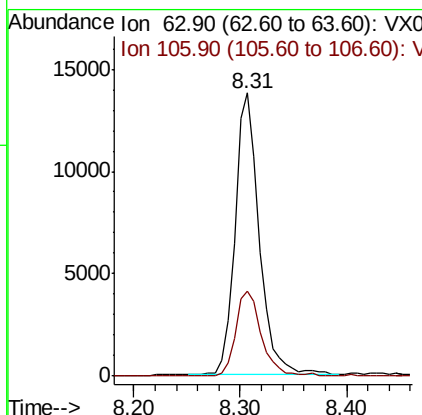
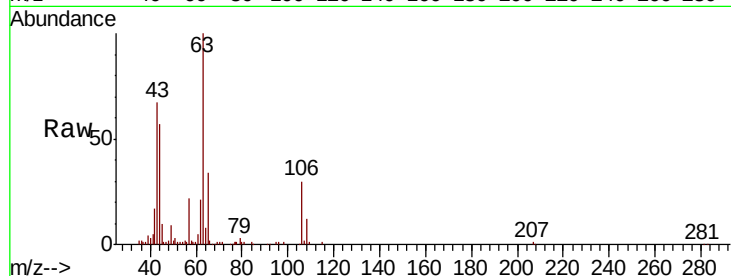




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.574 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

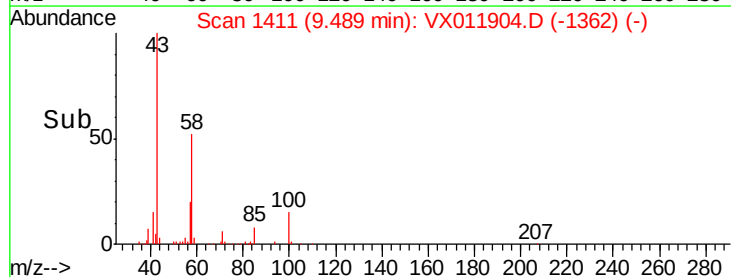
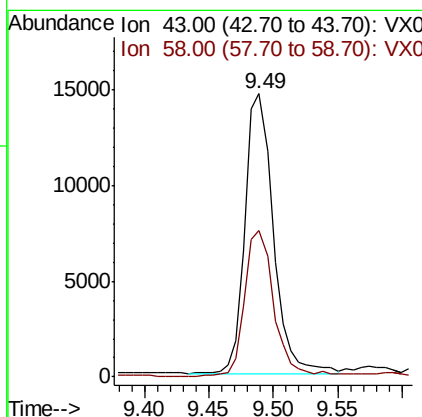
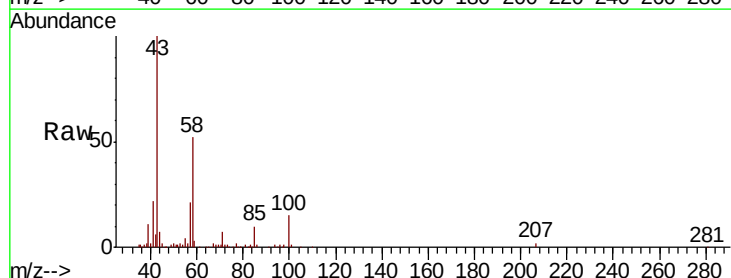
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

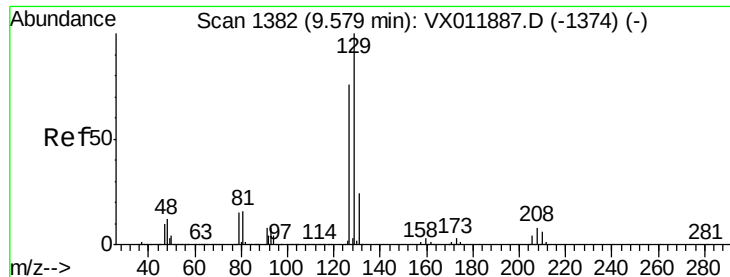
Tgt Ion: 63 Resp: 21880
 Ion Ratio Lower Upper
 63 100
 106 32.2 24.8 37.2



#59
 2-Hexanone
 Concen: 13.205 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion: 43 Resp: 22191
 Ion Ratio Lower Upper
 43 100
 58 54.7 26.8 80.4





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

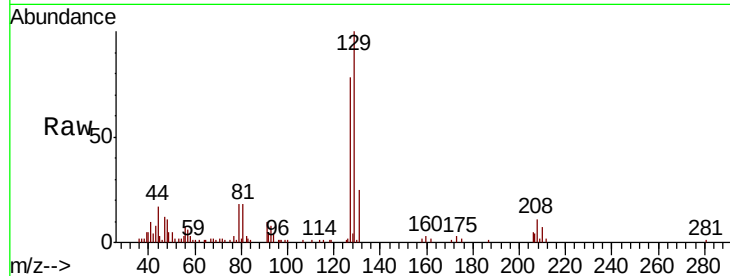
MDL04

Tgt Ion:129 Resp: 8967

Ion Ratio Lower Upper

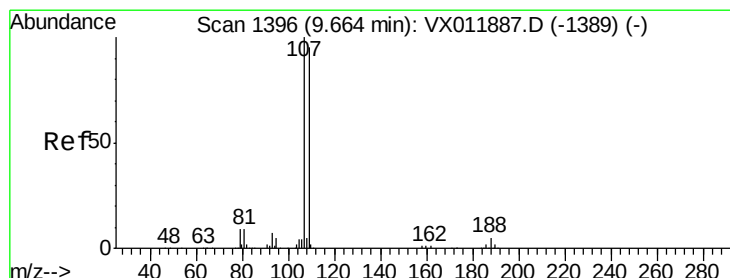
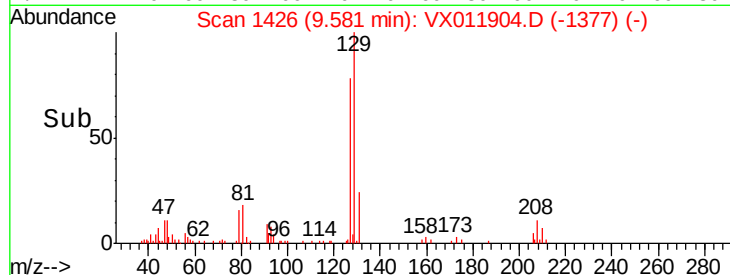
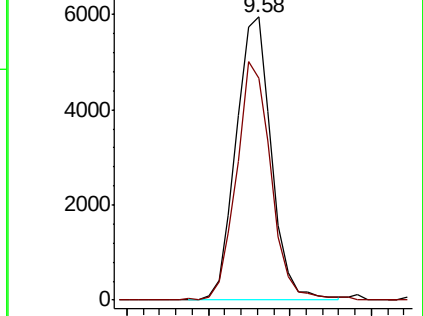
129 100

127 82.7 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.732 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011904.D

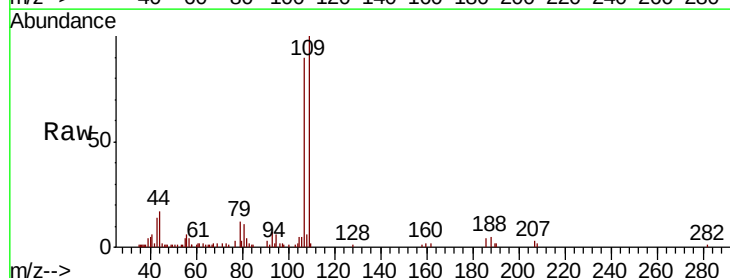
Acq: 30 Aug 2019 12:45

Tgt Ion:107 Resp: 7131

Ion Ratio Lower Upper

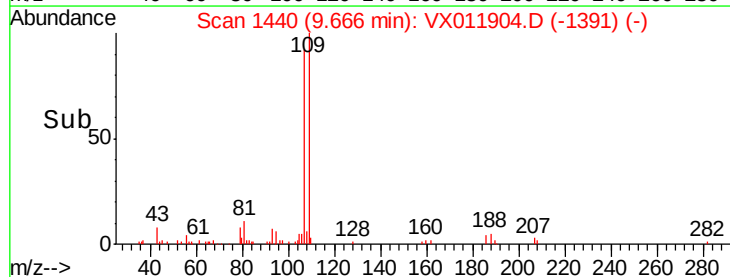
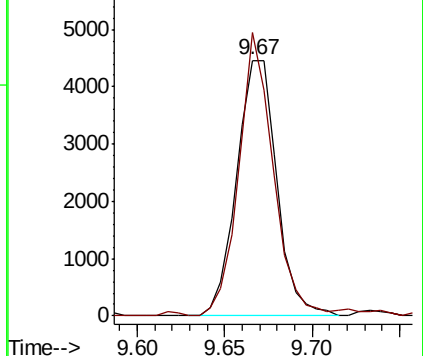
107 100

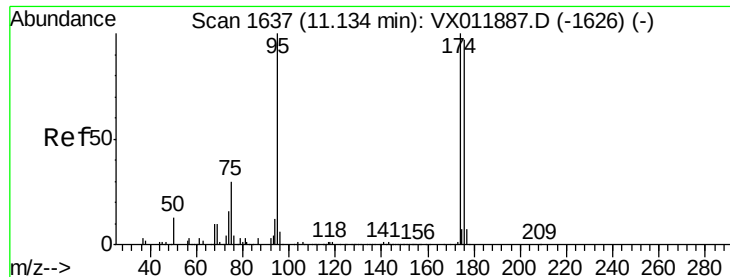
109 94.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.265 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

MDL04

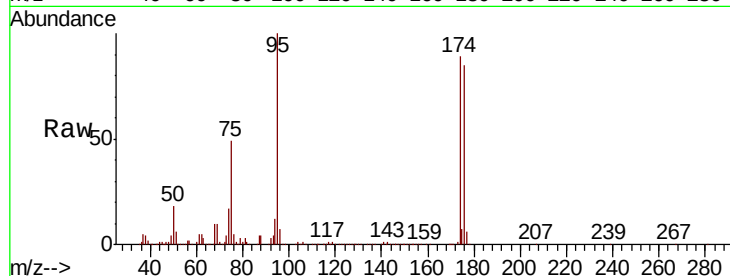
Tgt Ion: 95 Resp: 227849

Ion Ratio Lower Upper

95 100

174 98.2 0.0 196.0

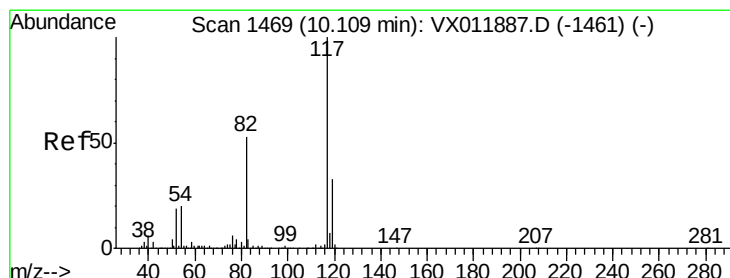
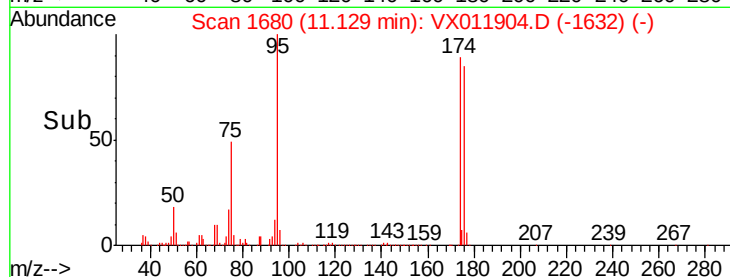
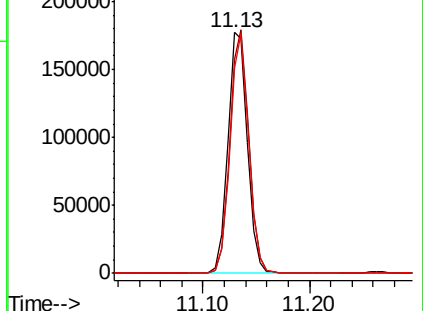
176 95.1 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

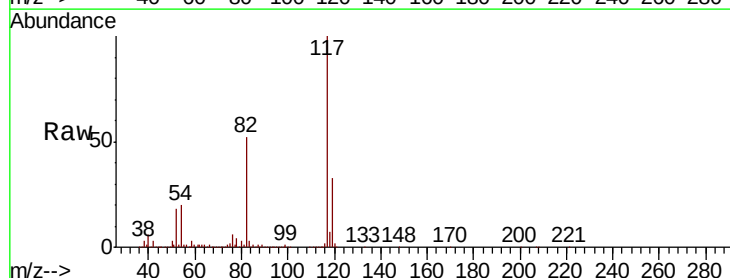
Tgt Ion: 117 Resp: 457033

Ion Ratio Lower Upper

117 100

82 52.4 42.0 63.0

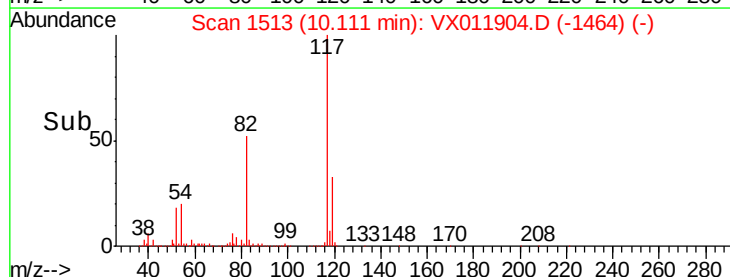
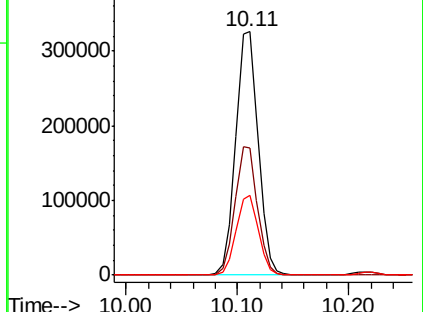
119 32.8 26.2 39.4

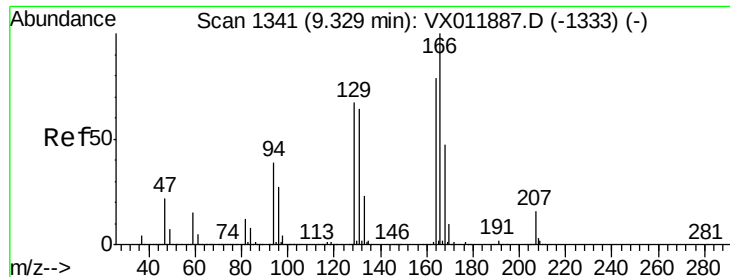


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

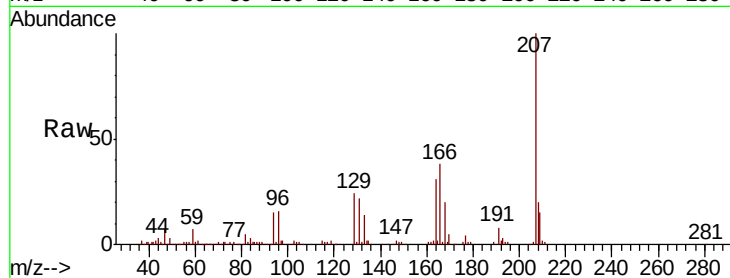




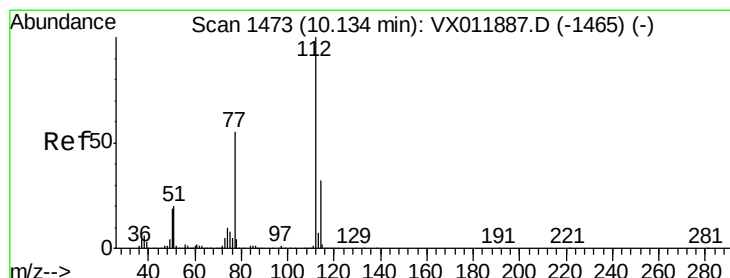
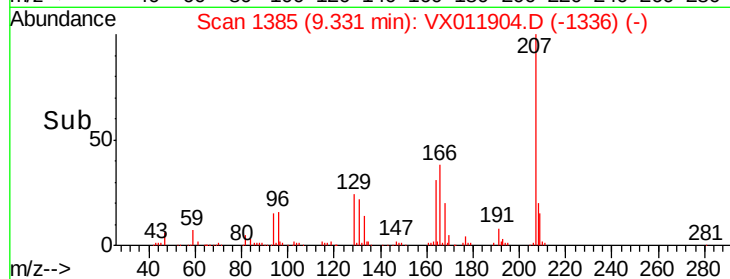
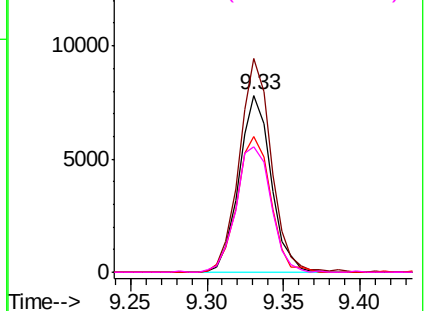
#64
Tetrachloroethene
Concen: 3.083 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tgt Ion:164 Resp: 11334
Ion Ratio Lower Upper
164 100
166 120.7 101.4 152.0
129 76.6 68.0 102.0
131 70.7 64.7 97.1

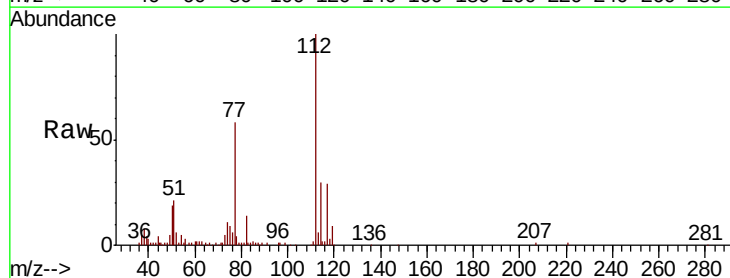


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

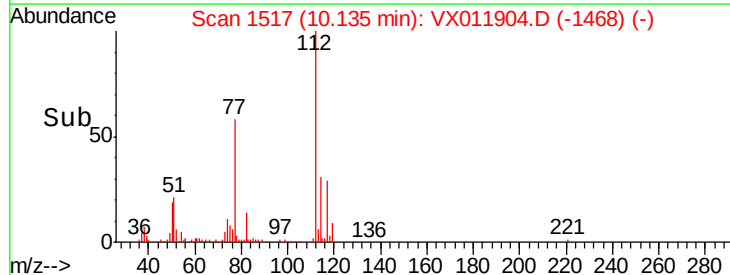
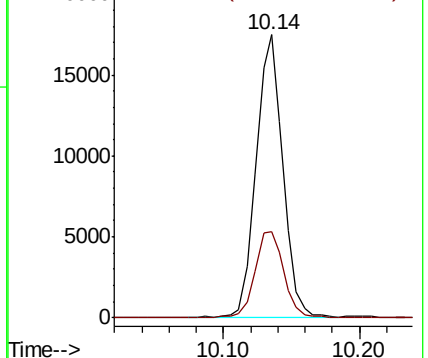


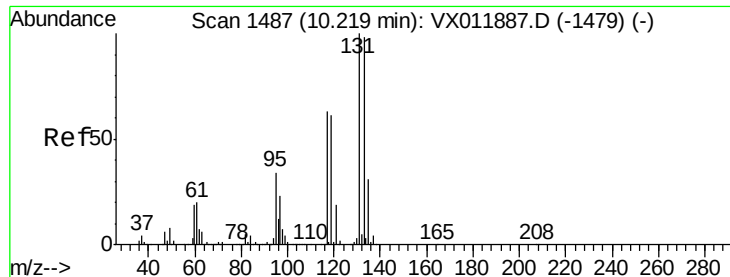
#65
Chlorobenzene
Concen: 2.728 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion:112 Resp: 24161
Ion Ratio Lower Upper
112 100
114 30.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 2.697 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

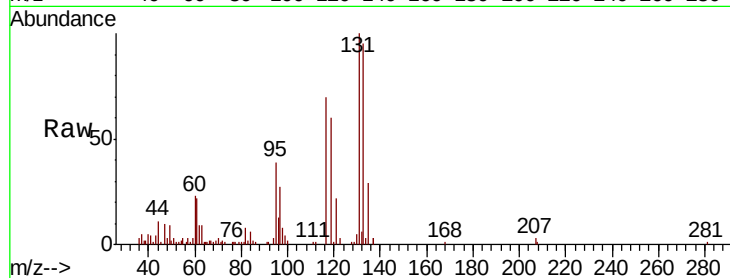
Tgt Ion:131 Resp: 9660

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.0

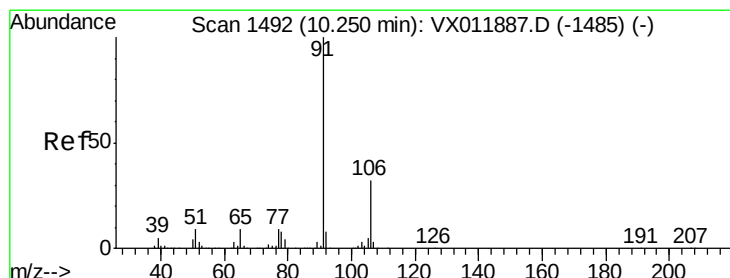
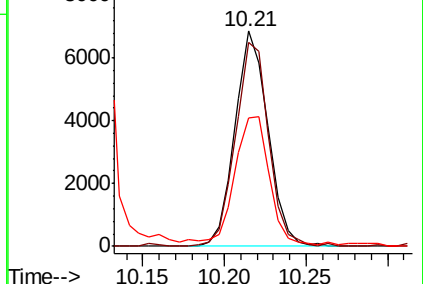
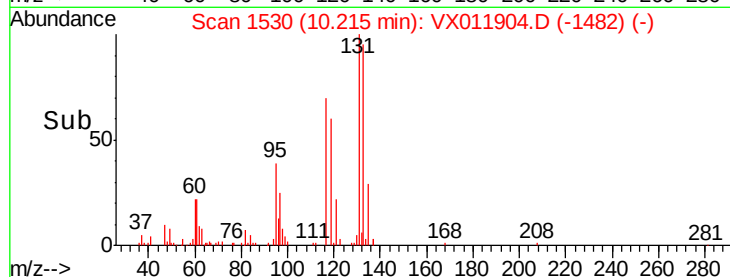
119 61.6 30.6 92.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 2.781 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011904.D

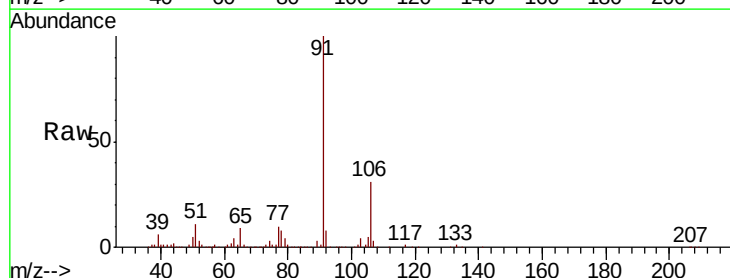
Acq: 30 Aug 2019 12:45

Tgt Ion: 91 Resp: 41889

Ion Ratio Lower Upper

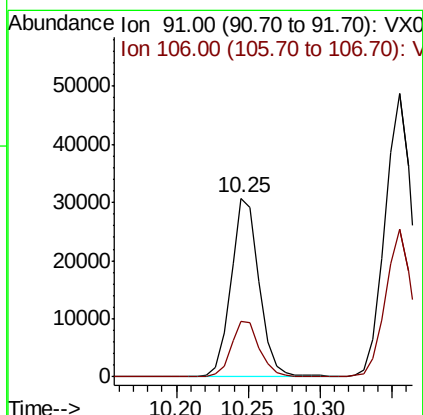
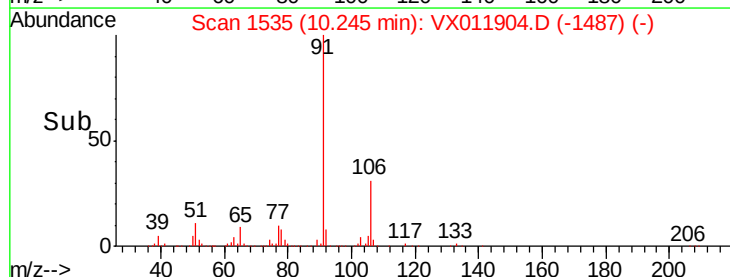
91 100

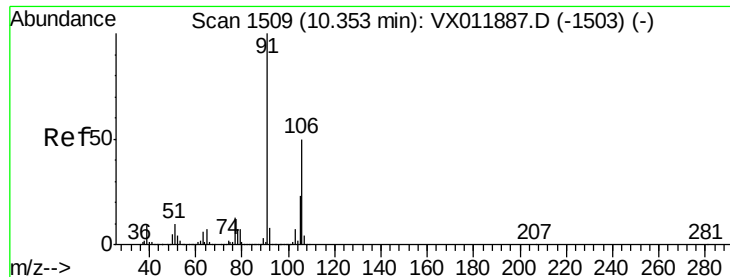
106 31.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 5.705 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

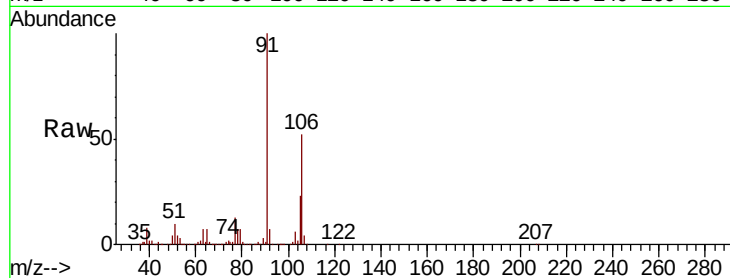
MDL04

Tgt Ion:106 Resp: 33188

Ion Ratio Lower Upper

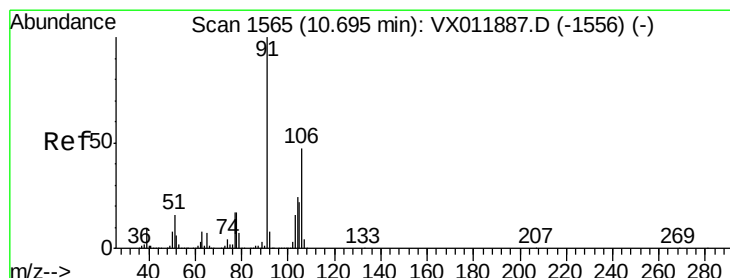
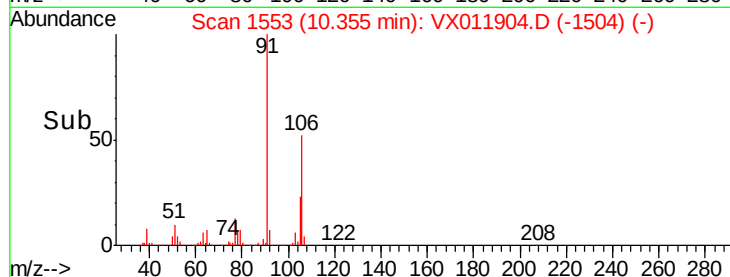
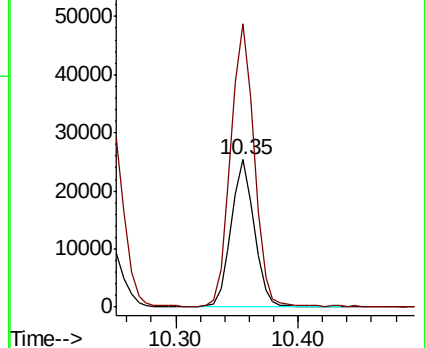
106 100

91 194.4 158.6 237.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.728 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX011904.D

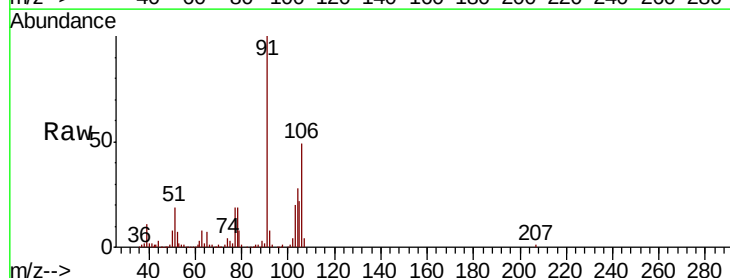
Acq: 30 Aug 2019 12:45

Tgt Ion:106 Resp: 15465

Ion Ratio Lower Upper

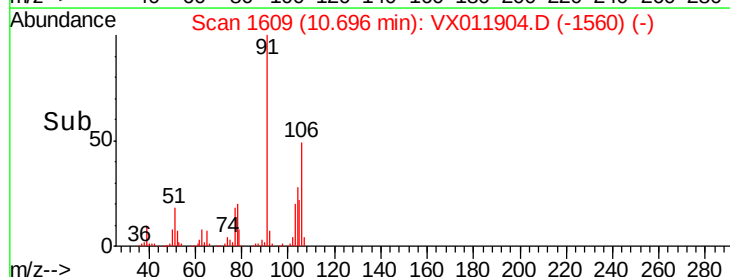
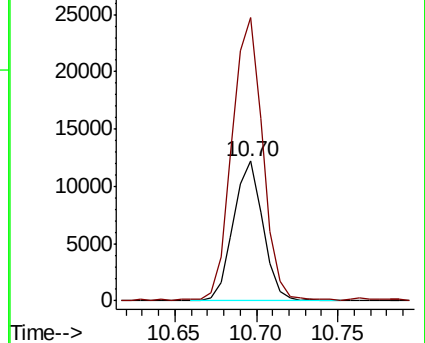
106 100

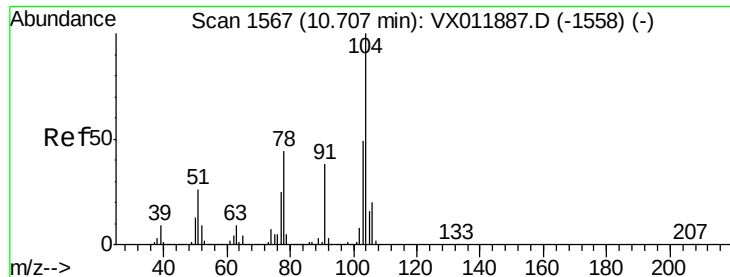
91 207.3 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

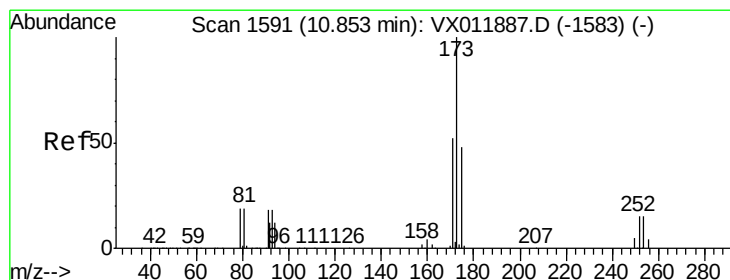
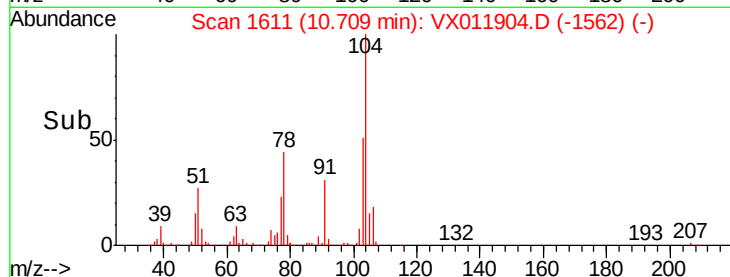
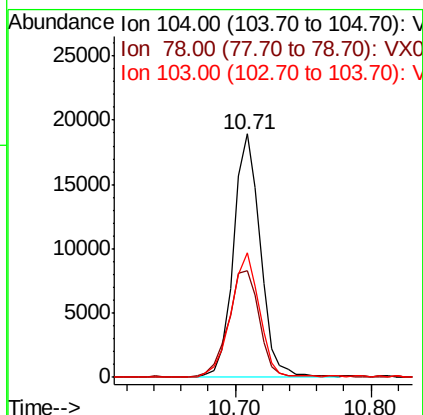
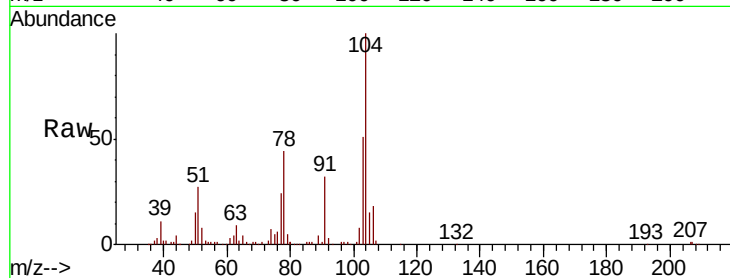




#70
Styrene
Concen: 2.603 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

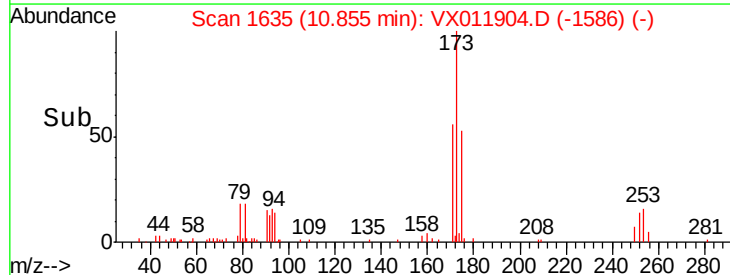
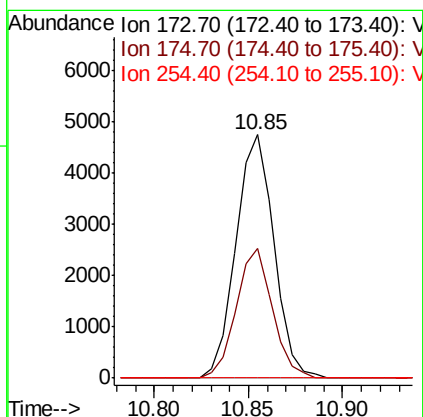
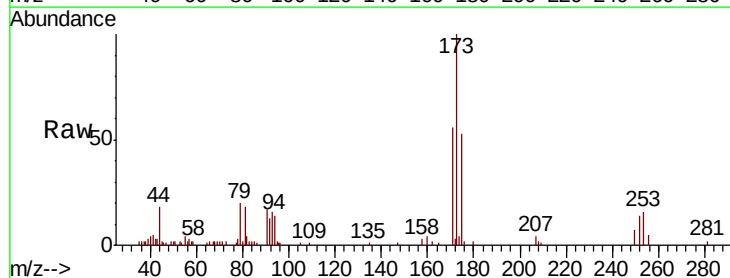
Instrument :
MSVOA_X
ClientSampled :
MDL04

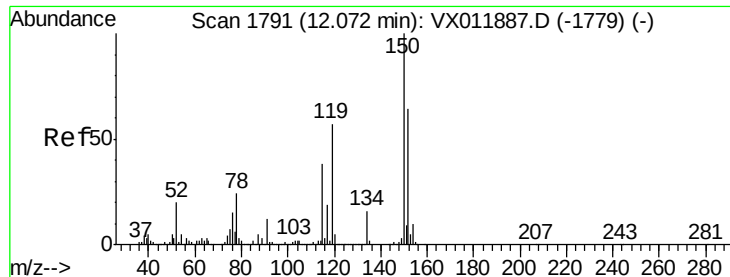
Tgt Ion:104 Resp: 26004
Ion Ratio Lower Upper
104 100
78 50.5 39.2 58.8
103 54.4 43.0 64.6



#71
Bromoform
Concen: 2.609 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion:173 Resp: 6608
Ion Ratio Lower Upper
173 100
175 50.8 24.4 73.2
254 0.0 0.1 0.1#



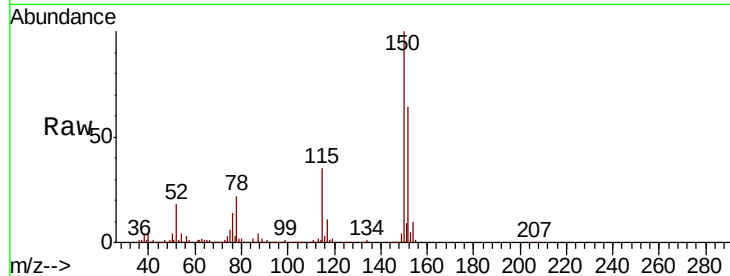


#72

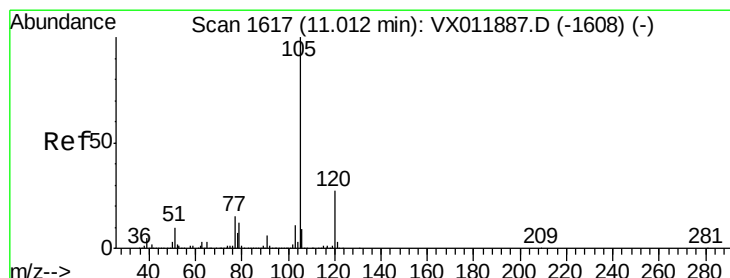
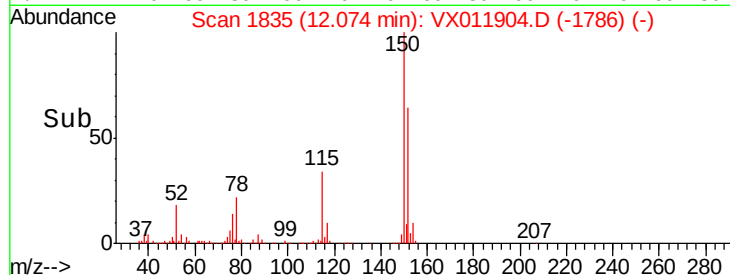
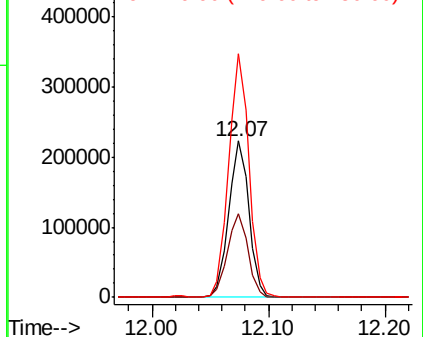
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tgt Ion:152 Resp: 268882
Ion Ratio Lower Upper
152 100
115 54.7 37.1 111.3
150 156.1 0.0 339.6



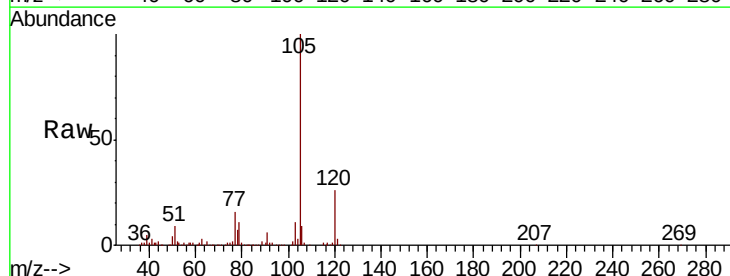
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



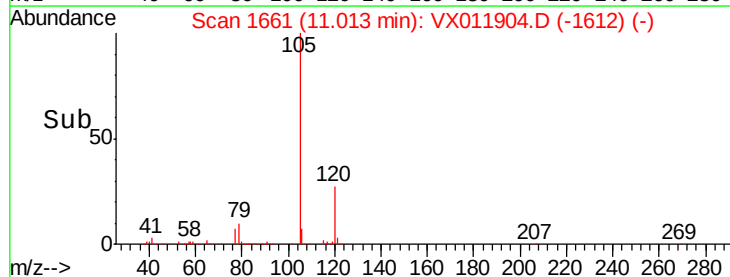
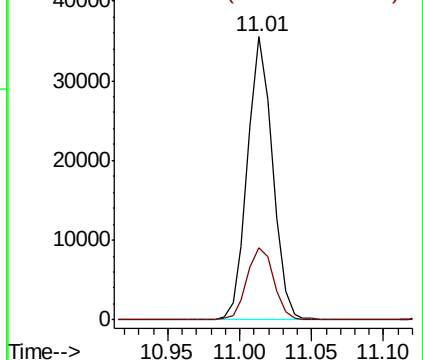
#73

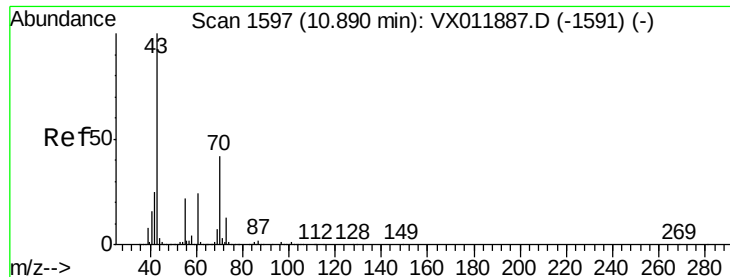
Isopropylbenzene
Concen: 2.772 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion:105 Resp: 42828
Ion Ratio Lower Upper
105 100
120 27.1 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: 2.480 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tgt Ion: 43 Resp: 11371

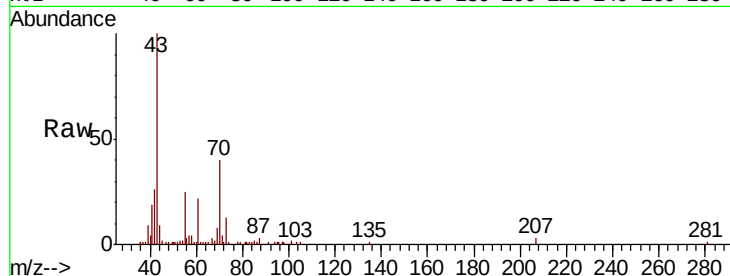
Ion Ratio Lower Upper

43 100

70 45.8 0.2 0.2#

55 24.4 0.1 0.1#

61 25.1 16.4 24.6#

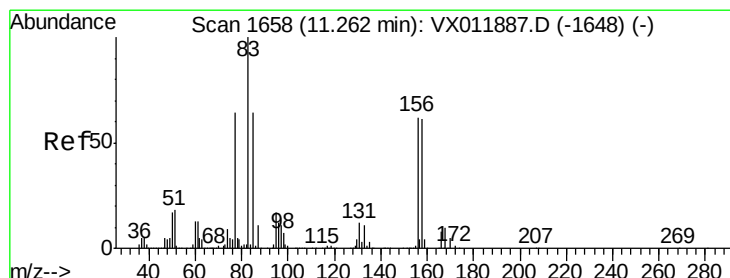
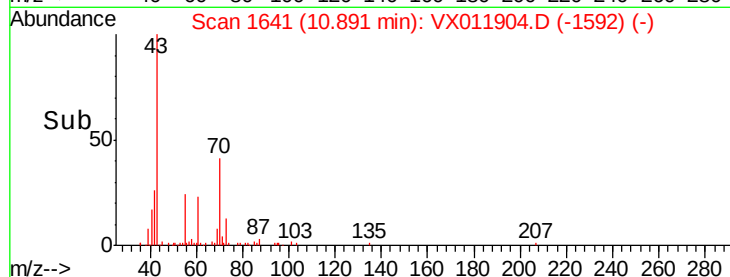
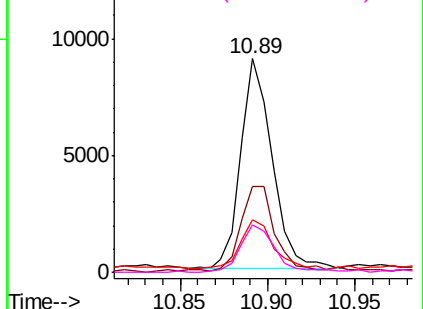


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.815 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

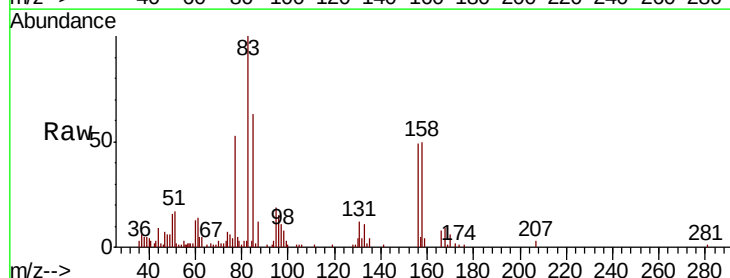
Tgt Ion: 83 Resp: 8902

Ion Ratio Lower Upper

83 100

131 11.6 6.0 18.0

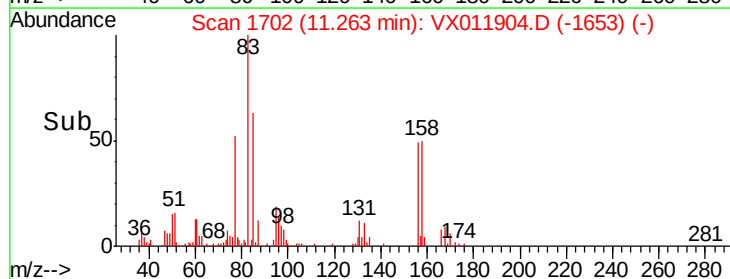
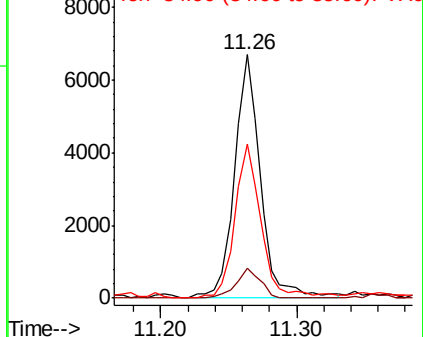
85 64.1 31.9 95.9

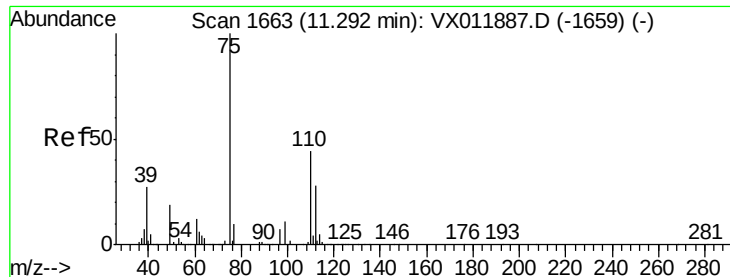


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 3.239 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

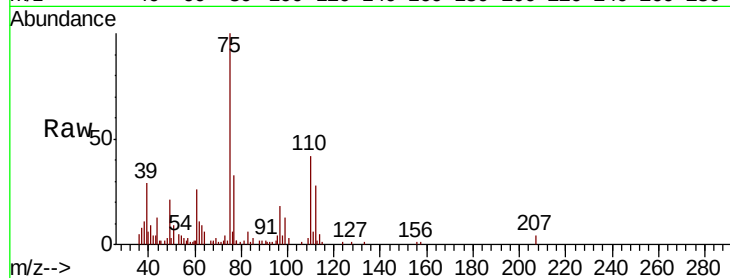
MDL04

Tgt Ion: 75 Resp: 8568

Ion Ratio Lower Upper

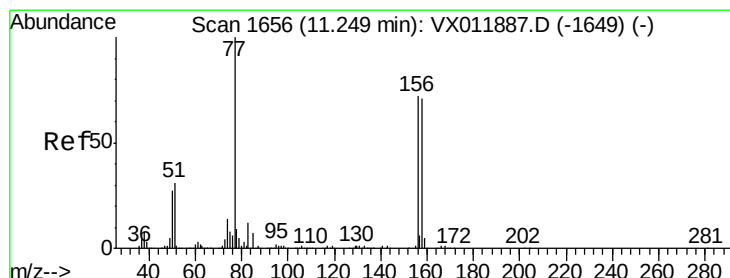
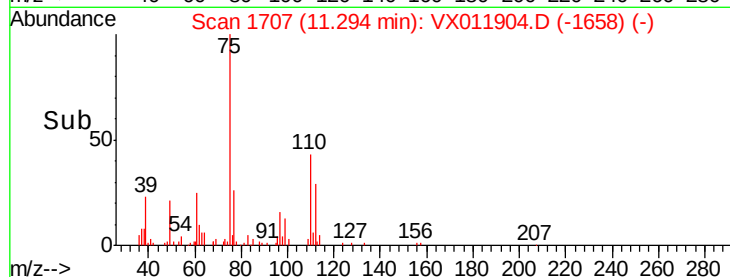
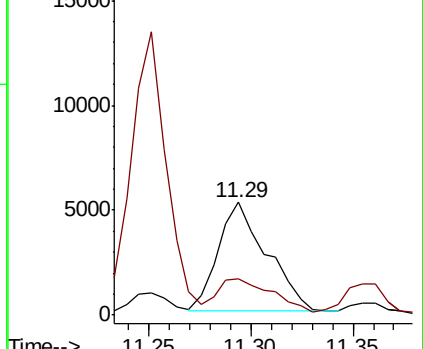
75 100

77 37.2 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 2.734 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

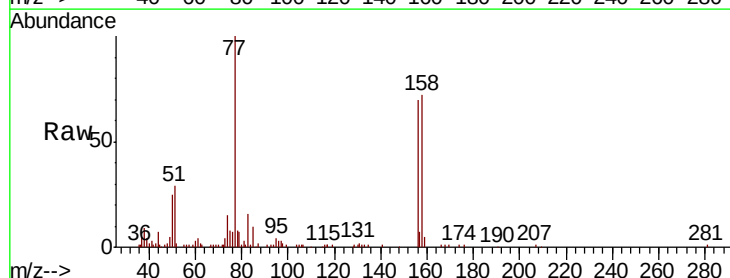
Tgt Ion: 156 Resp: 12251

Ion Ratio Lower Upper

156 100

77 133.2 68.1 204.3

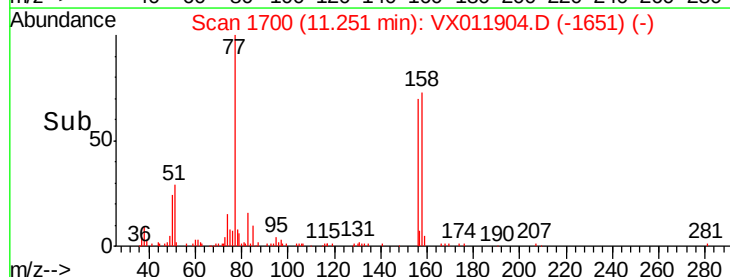
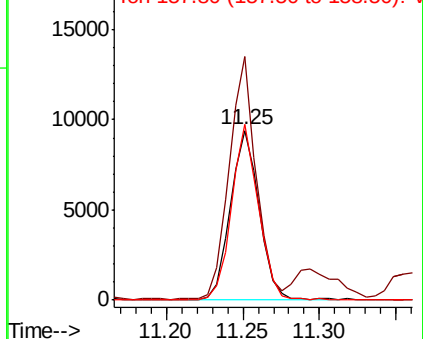
158 97.0 48.9 146.8

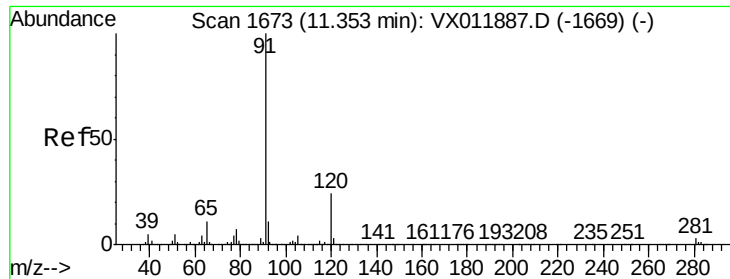


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 2.794 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

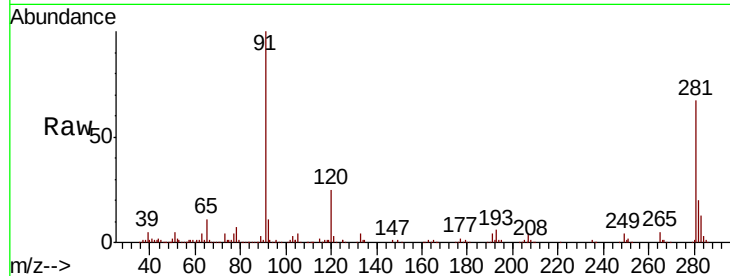
MDL04

Tgt Ion: 91 Resp: 48952

Ion Ratio Lower Upper

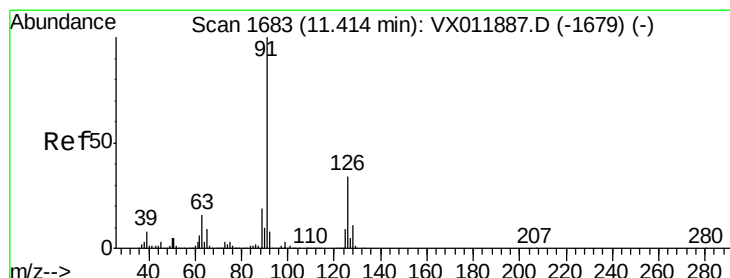
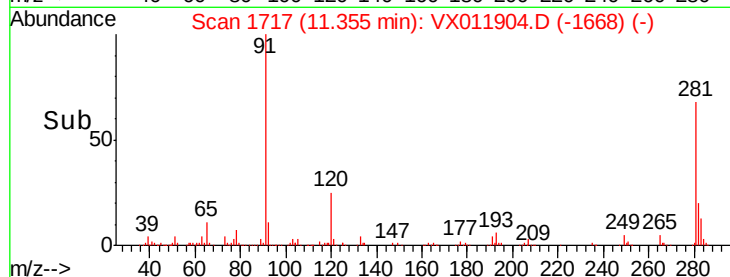
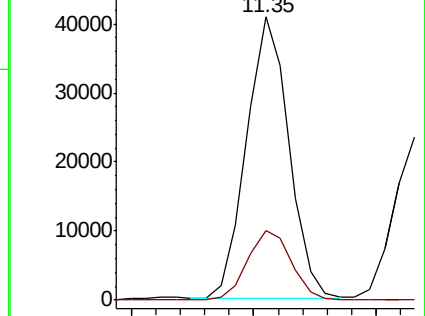
91 100

120 26.0 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: 2.783 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011904.D

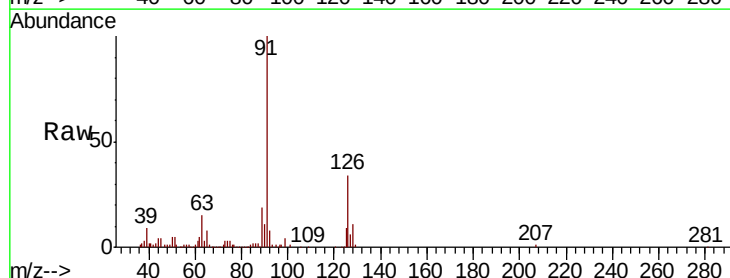
Acq: 30 Aug 2019 12:45

Tgt Ion: 91 Resp: 29343

Ion Ratio Lower Upper

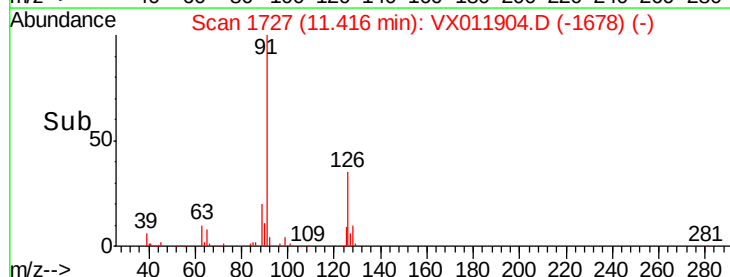
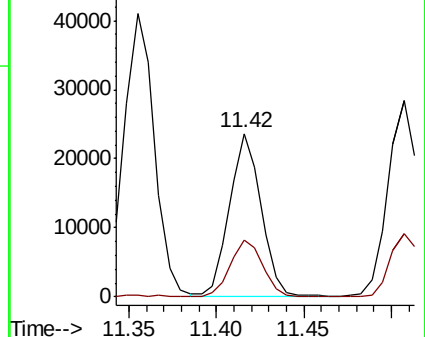
91 100

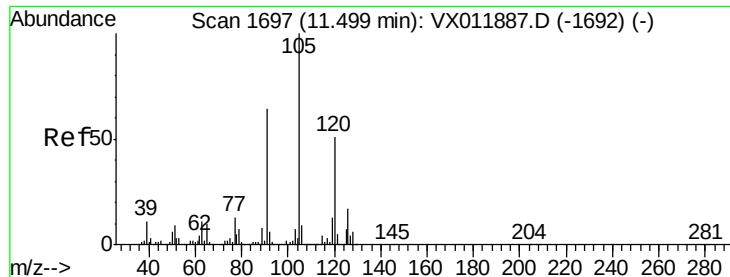
126 36.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

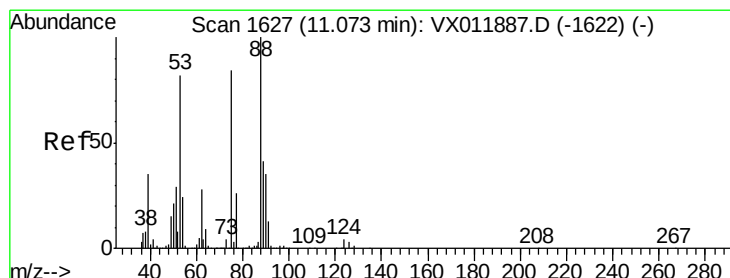
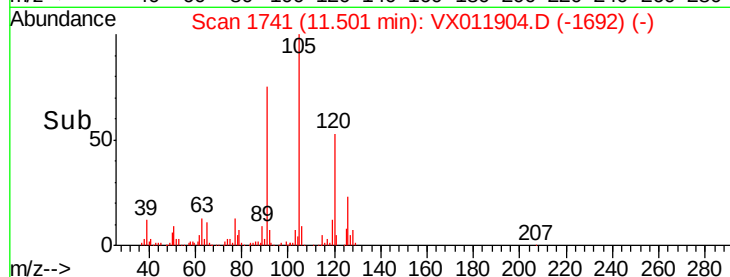
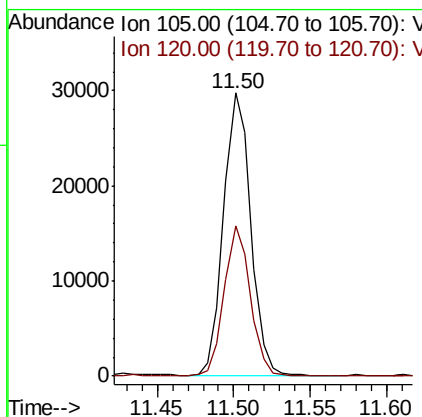
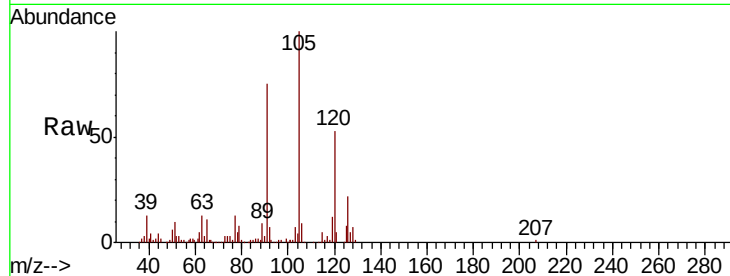




#80
 1,3,5-Trimethylbenzene
 Concen: 2.737 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

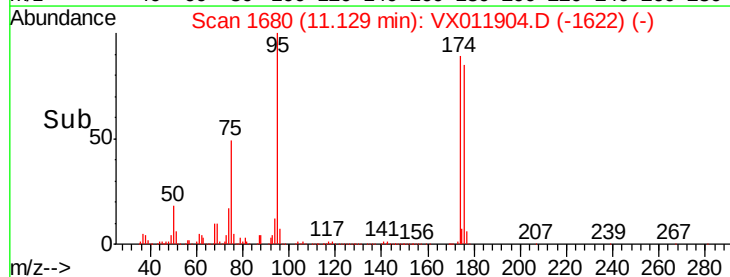
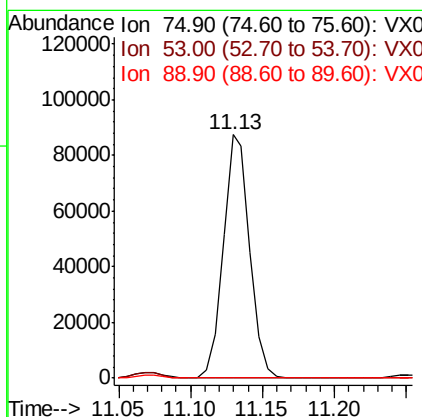
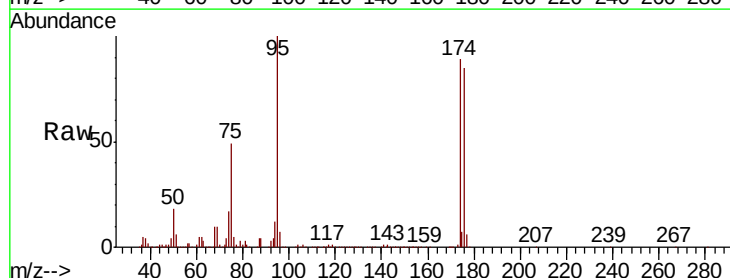
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

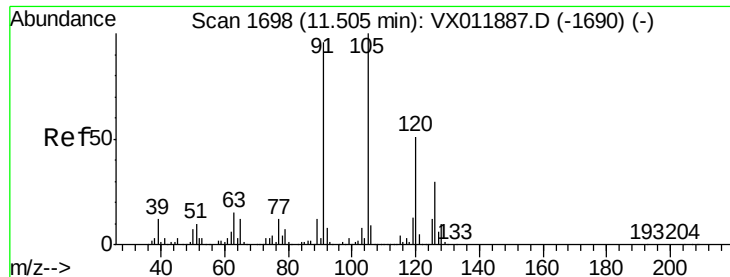
Tgt Ion:105 Resp: 36505
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.097 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion: 75 Resp: 111707
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 38.2 57.2#

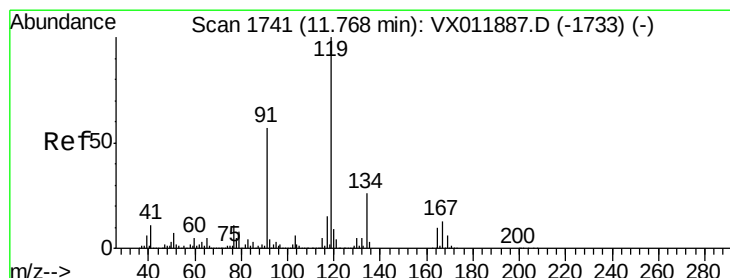
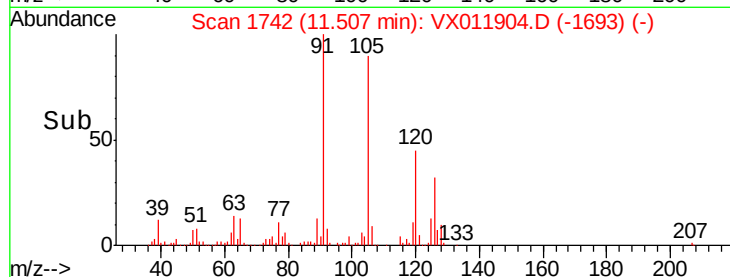
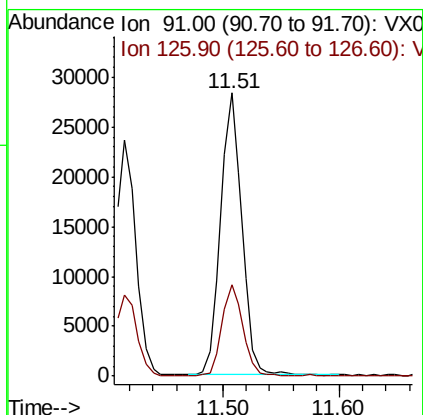
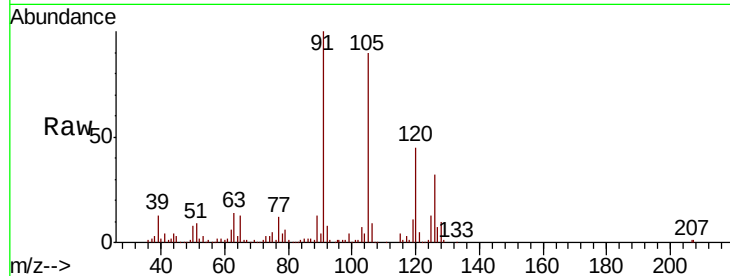




#82
4-Chlorotoluene
Concen: 2.779 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

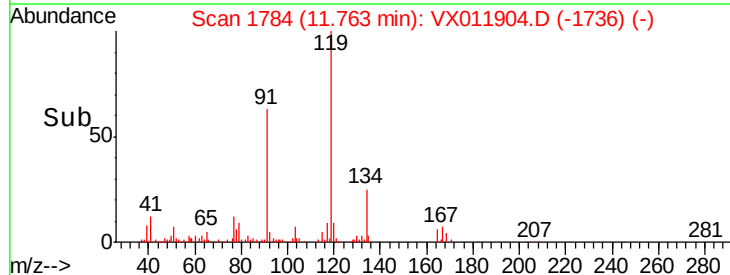
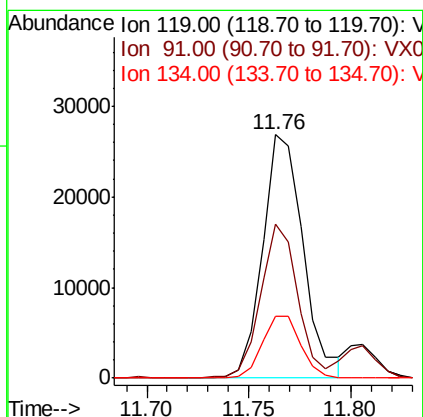
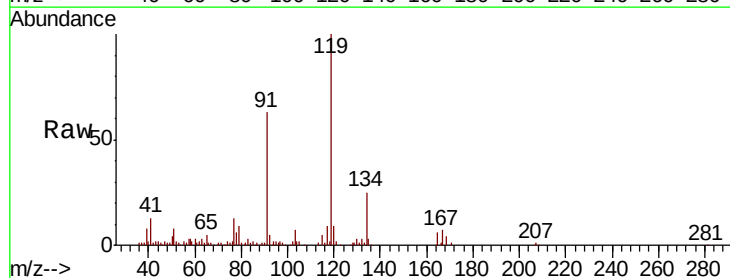
Instrument :
MSVOA_X
ClientSampleId :
MDL04

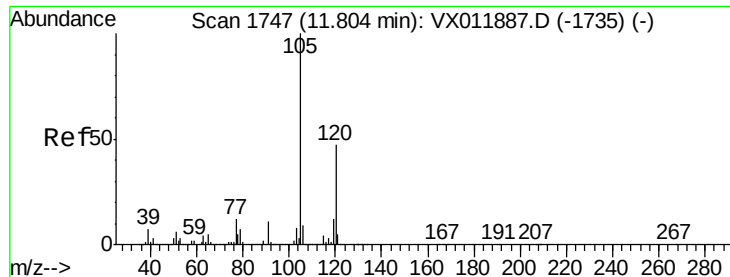
Tgt Ion: 91 Resp: 35355
Ion Ratio Lower Upper
91 100
126 32.6 15.9 47.6



#83
tert-Butylbenzene
Concen: 2.755 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011904.D
Acq: 30 Aug 2019 12:45

Tgt Ion: 119 Resp: 37280
Ion Ratio Lower Upper
119 100
91 57.1 27.9 83.6
134 24.3 12.3 36.8

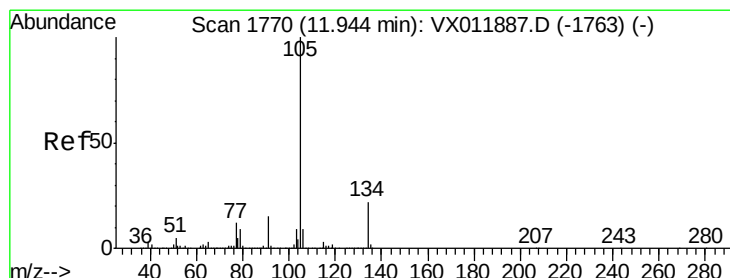
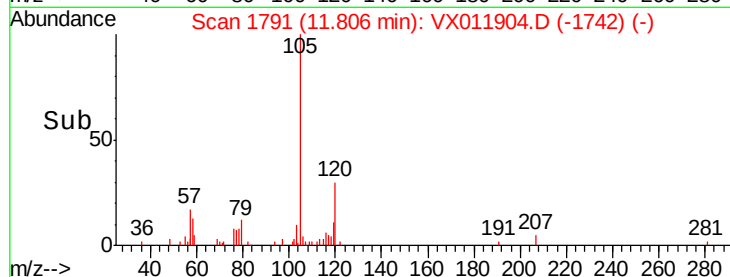
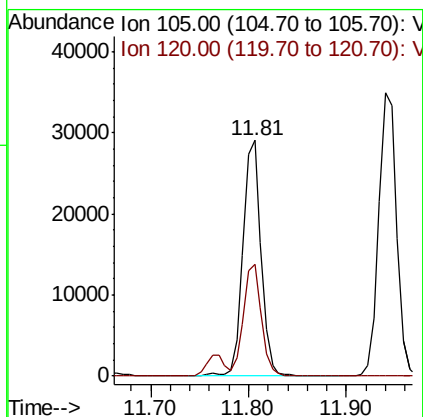
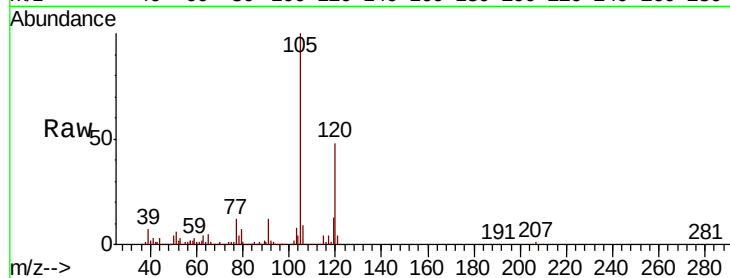




#84
 1,2,4-Trimethylbenzene
 Concen: 2.752 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

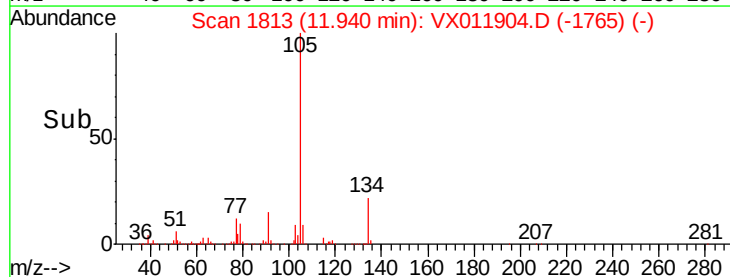
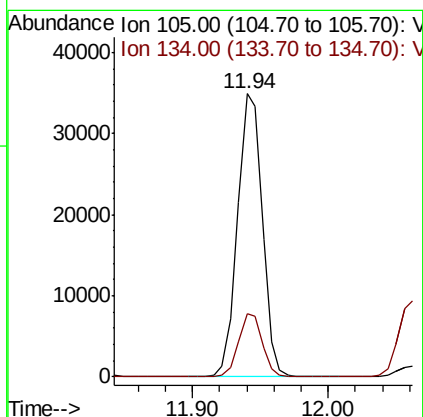
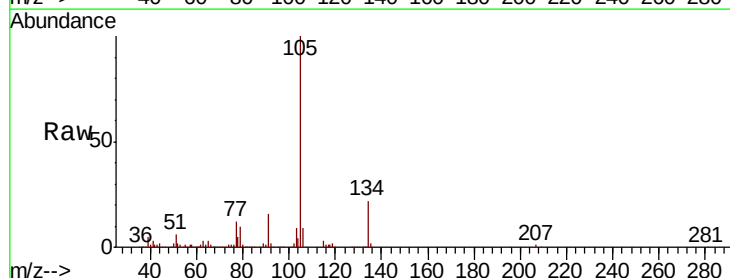
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

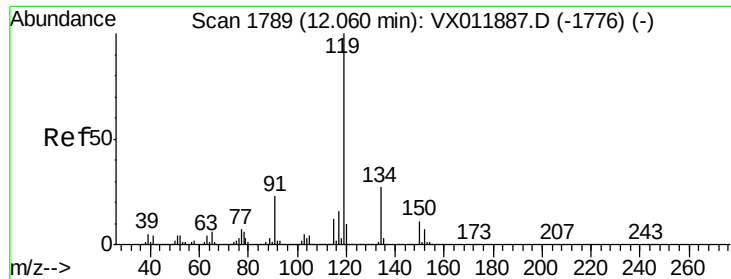
Tgt Ion:105 Resp: 37606
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 2.828 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion:105 Resp: 44449
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.9 32.7

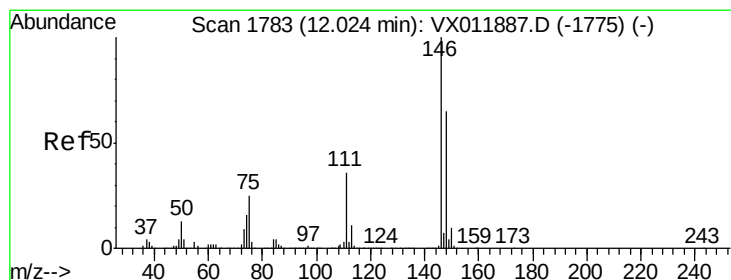
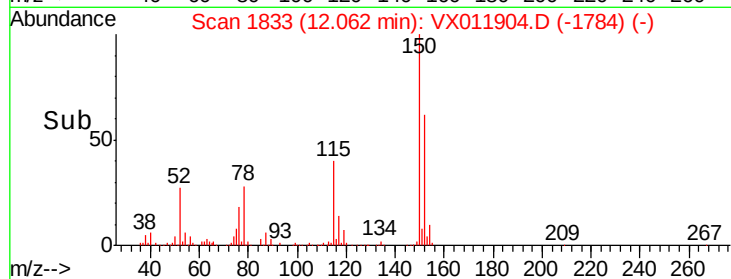
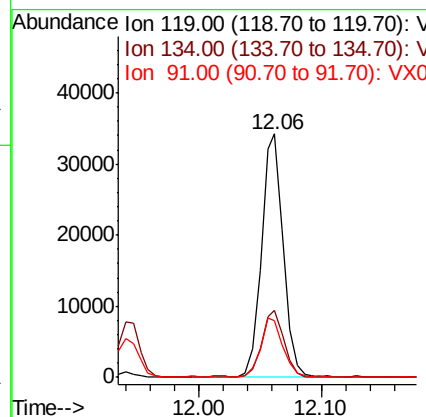
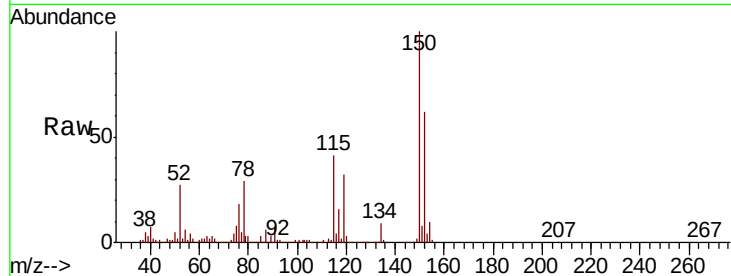




#86
 p-Isopropyltoluene
 Concen: 2.803 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

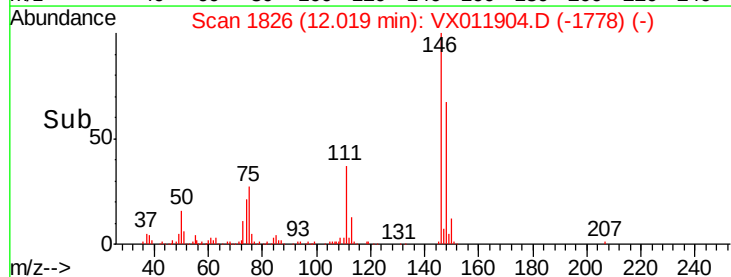
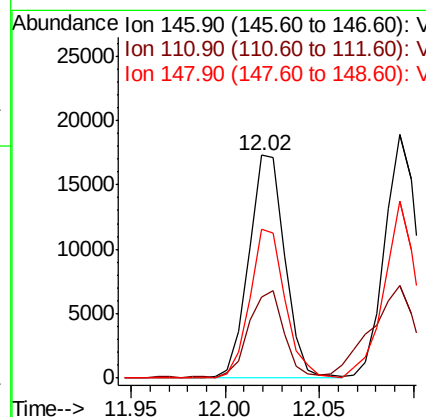
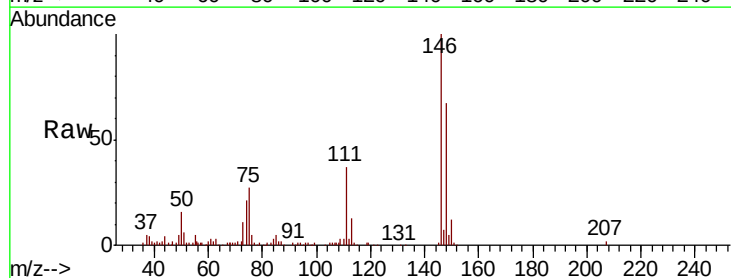
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

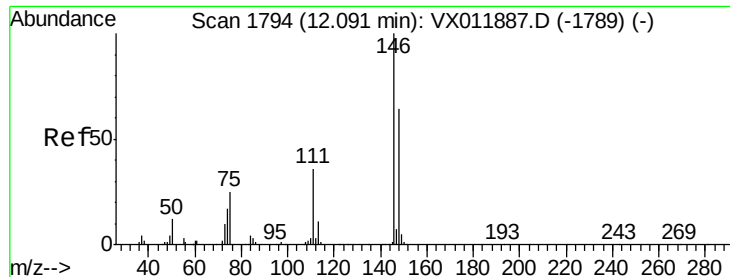
Tgt Ion:119 Resp: 42717
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.7 41.0
 91 24.3 11.6 34.7



#87
 1,3-Dichlorobenzene
 Concen: 2.762 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion:146 Resp: 22998
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.4 55.2
 148 65.4 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 2.761 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

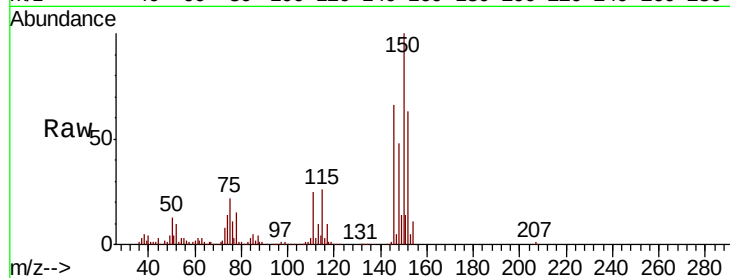
Instrument :

MSVOA_X

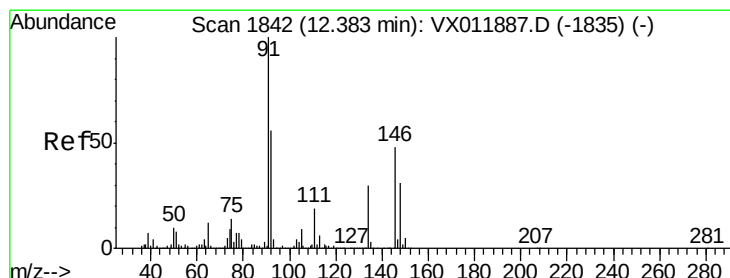
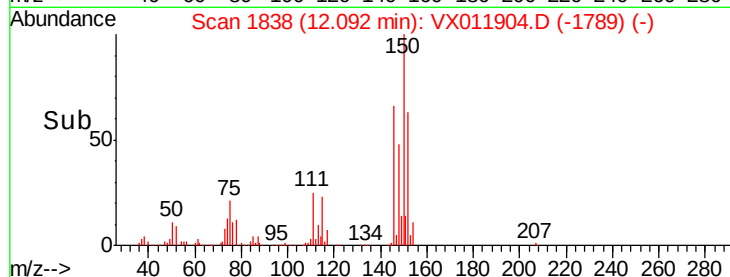
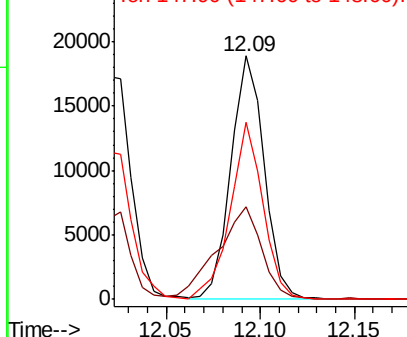
ClientSampleId :

MDL04

Tgt Ion:	146	Resp:	23246
Ion	Ratio	Lower	Upper
146	100		
111	51.0	17.9	53.7
148	71.1	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: 2.811 ug/l

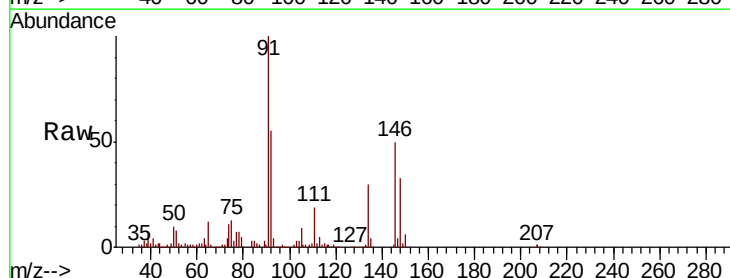
RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

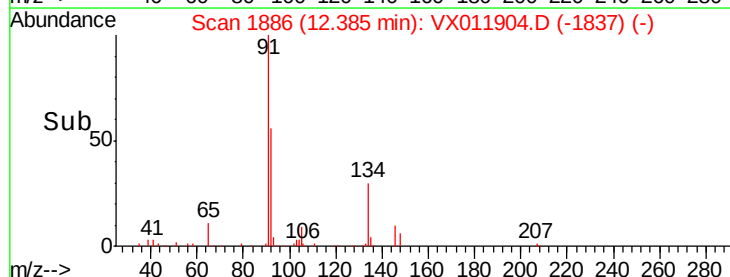
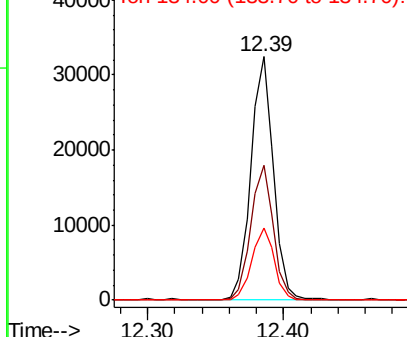
Lab File: VX011904.D

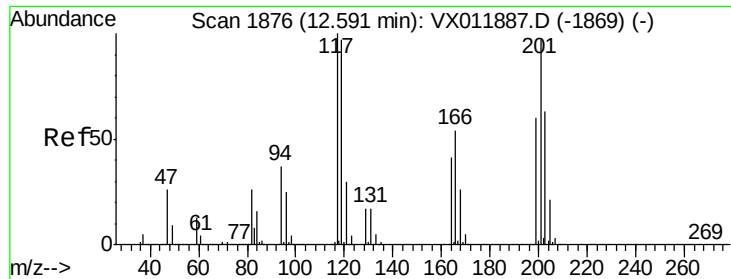
Acq: 30 Aug 2019 12:45

Tgt Ion:	91	Resp:	37902
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	29.6	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: 2.688 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

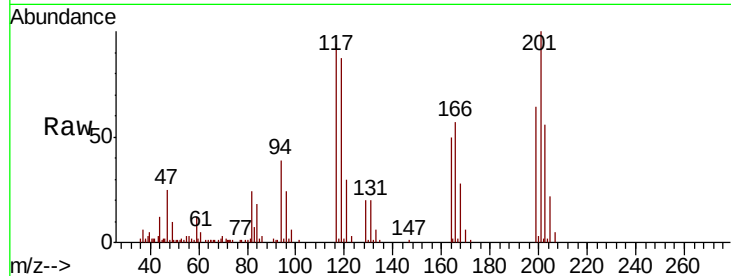
MDL04

Tgt Ion:117 Resp: 7926

Ion Ratio Lower Upper

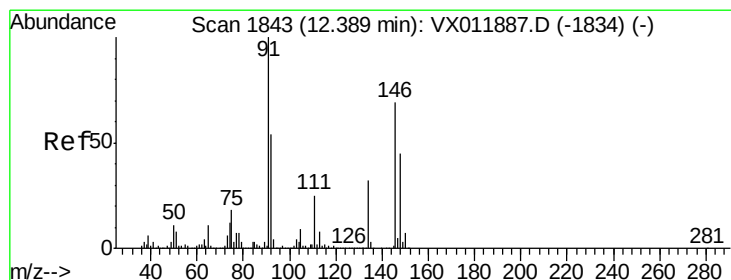
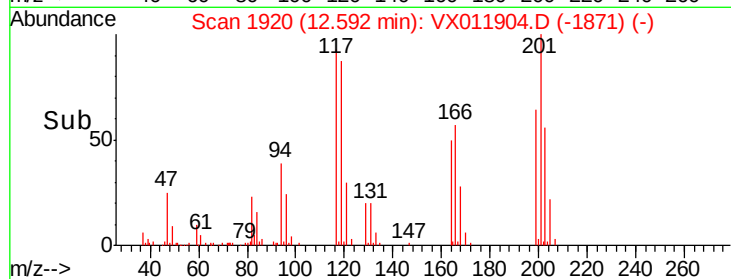
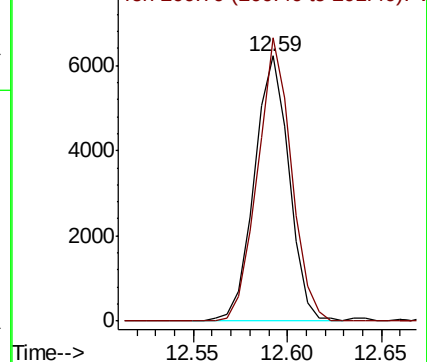
117 100

201 103.8 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: 2.757 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

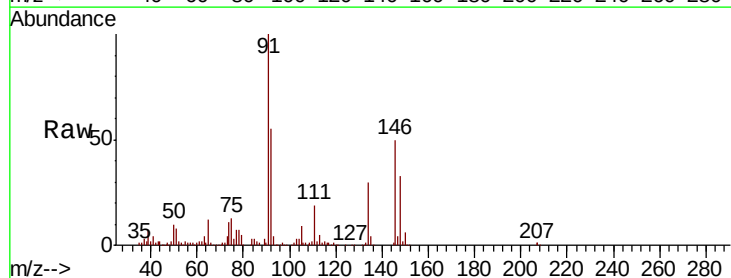
Tgt Ion:146 Resp: 21346

Ion Ratio Lower Upper

146 100

111 39.7 18.9 56.5

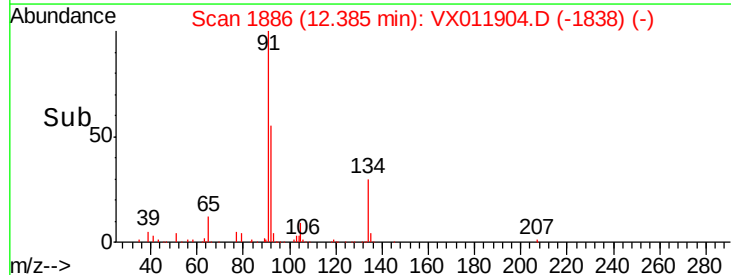
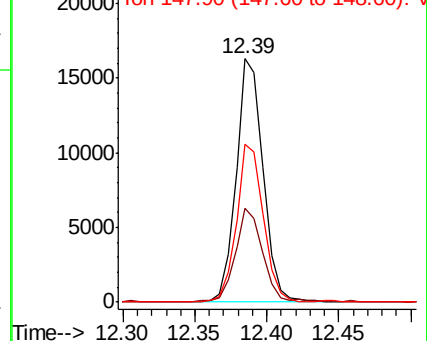
148 64.5 32.1 96.3

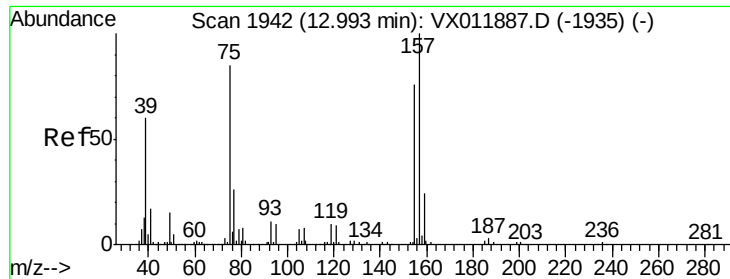


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

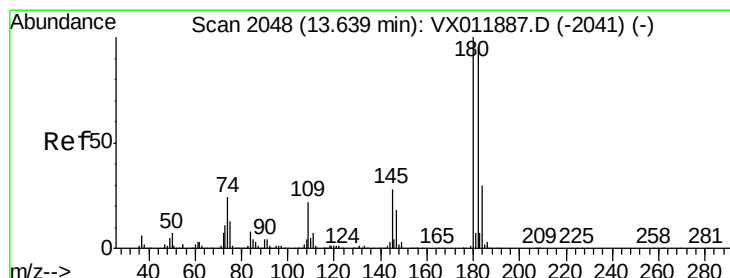
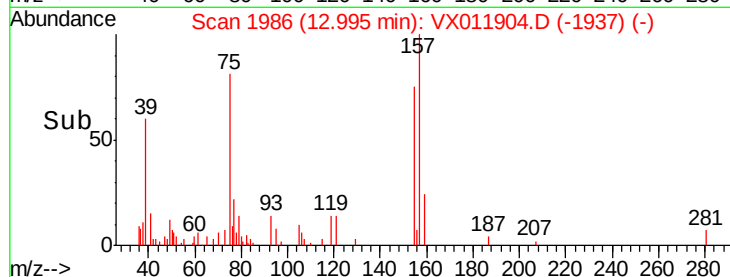
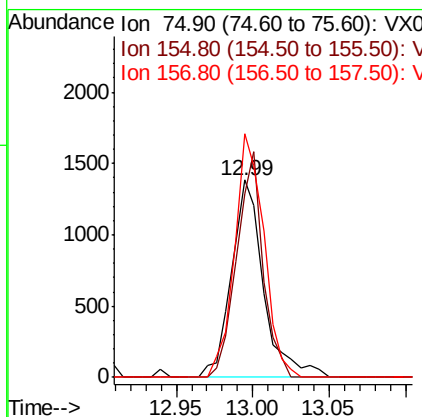
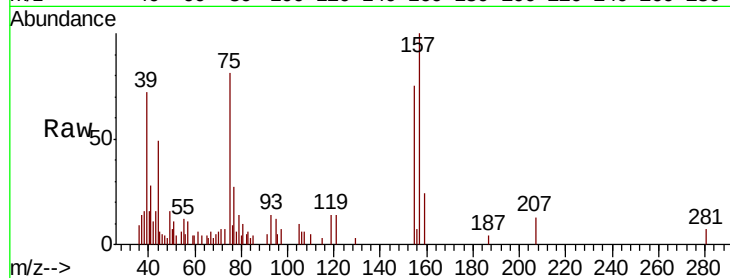




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.191 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

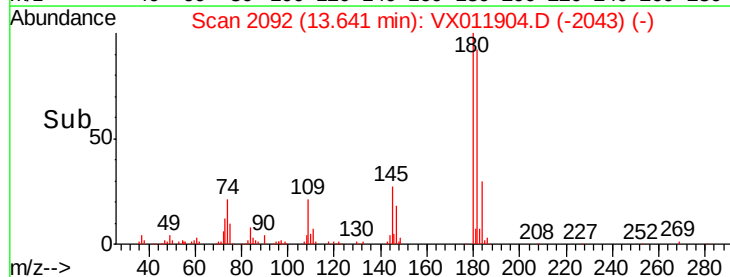
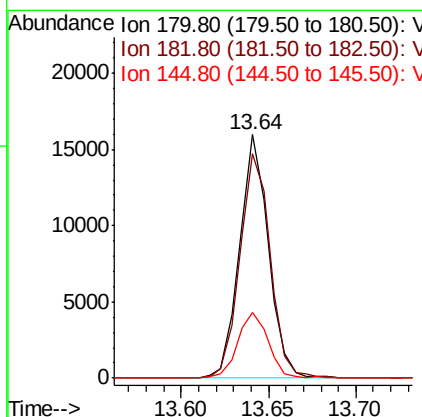
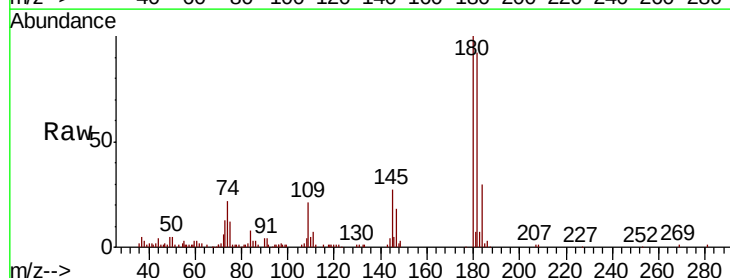
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

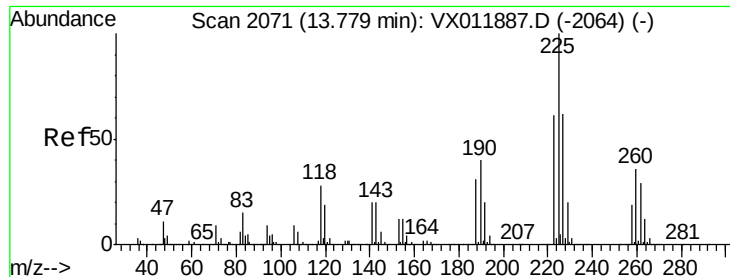
Tgt Ion: 75 Resp: 2010
 Ion Ratio Lower Upper
 75 100
 155 93.1 50.1 150.4
 157 113.0 63.9 191.7



#93
 1,2,4-Trichlorobenzene
 Concen: 2.810 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Tgt Ion: 180 Resp: 18320
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.1 144.4
 145 28.8 13.8 41.3





#94

Hexachlorobutadiene

Concen: 2.951 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

MDL04

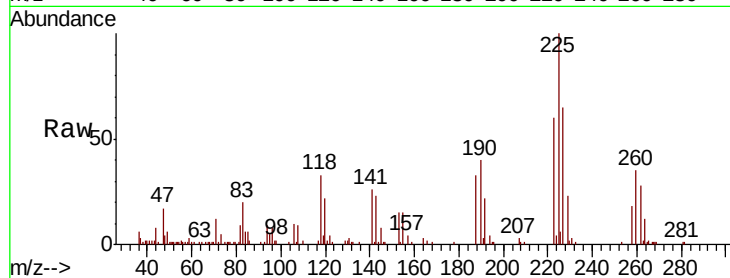
Tgt Ion:225 Resp: 12846

Ion Ratio Lower Upper

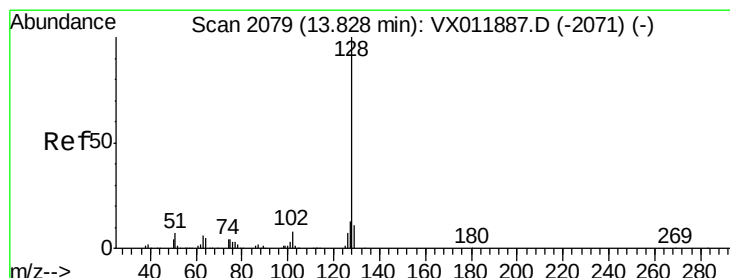
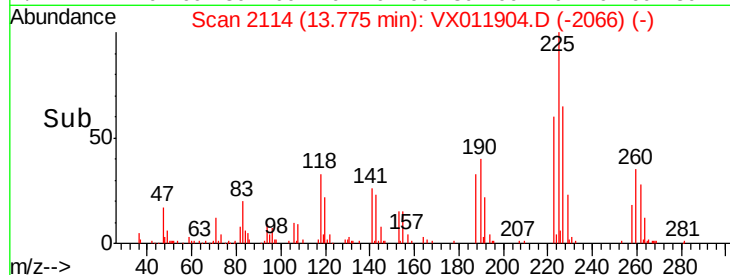
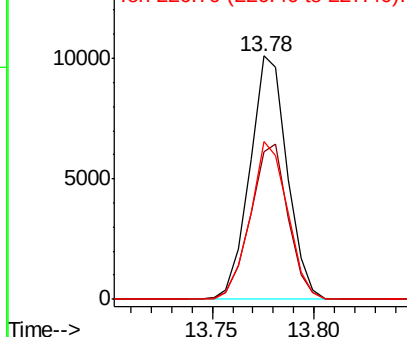
225 100

223 64.2 30.8 92.3

227 64.8 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: 2.692 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011904.D

Acq: 30 Aug 2019 12:45

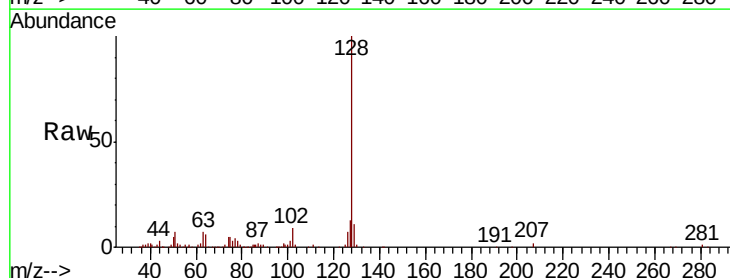
Tgt Ion:128 Resp: 30123

Ion Ratio Lower Upper

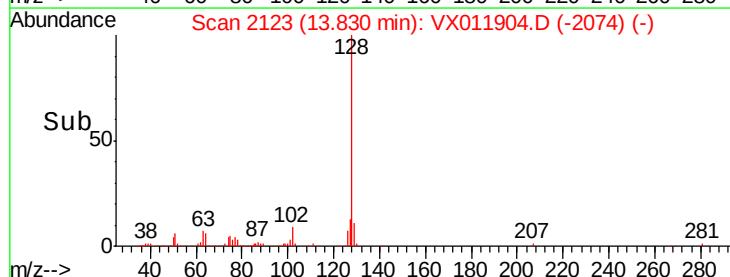
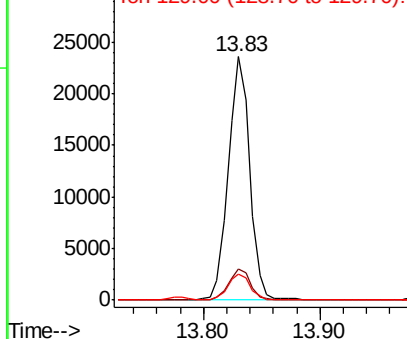
128 100

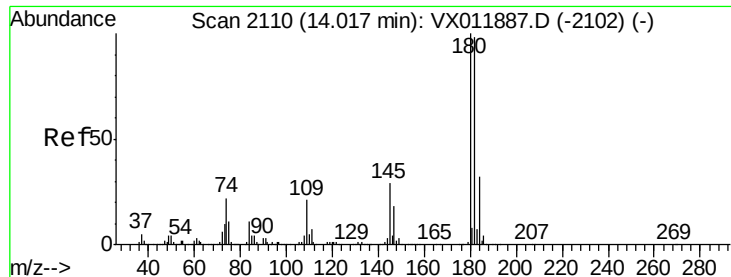
127 13.0 10.4 15.6

129 11.5 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

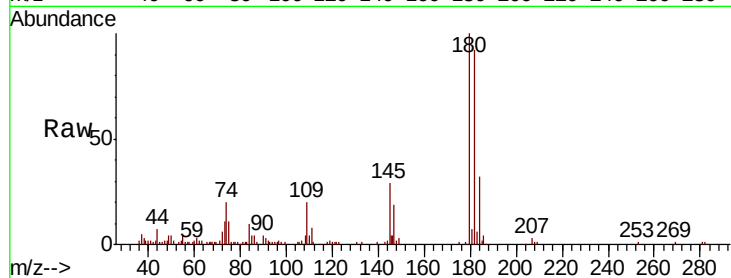




#96
 1,2,3-Trichlorobenzene
 Concen: 2.840 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VX011904.D
 Acq: 30 Aug 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tgt Ion:	180	Resp:	16743
Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.3	144.8
145	31.3	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

