

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082919\
 Data File : VX011896.D
 Acq On : 30 Aug 2019 03:34
 Operator : SY/SP
 Sample : MDL03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Quant Time: Aug 30 06:01:08 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	304134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	453708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	439693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251576	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	163267	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
35) Dibromofluoromethane	5.48	113	146583	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.71	98	536213	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	222761	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.18	85	3998	2.178 ug/l	97
3) Chloromethane	1.32	50	5260	2.472 ug/l	94
4) Vinyl Chloride	1.40	62	4602	2.265 ug/l	89
5) Bromomethane	1.63	94	5182	3.686 ug/l	98
6) Chloroethane	1.71	64	2992	2.366 ug/l	95
7) Trichlorofluoromethane	1.92	101	8104	2.296 ug/l	94
8) Diethyl Ether	2.18	74	3496	2.883 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4947	2.151 ug/l	96
10) Methyl Iodide	2.50	142	2260	4.510 ug/l #	93
11) Tert butyl alcohol	3.03	59	4120	14.697 ug/l	97
12) 1,1-Dichloroethene	2.36	96	4698	2.199 ug/l	97
13) Acrolein	2.28	56	1491	10.686 ug/l #	46
14) Allyl chloride	2.71	41	8308	2.073 ug/l	95
15) Acrylonitrile	3.13	53	8157	12.245 ug/l	98
16) Acetone	2.43	43	9856	15.721 ug/l	100
17) Carbon Disulfide	2.56	76	13412	2.189 ug/l	98
18) Methyl Acetate	2.76	43	5202	2.997 ug/l	94
19) Methyl tert-butyl Ether	3.18	73	16333	2.360 ug/l	92
20) Methylene Chloride	2.84	84	15945	1.164 ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	6041	2.401 ug/l	95
22) Diisopropyl ether	3.84	45	18419	2.252 ug/l	92
23) Vinyl Acetate	3.81	43	55210	10.498 ug/l	98
24) 1,1-Dichloroethane	3.68	63	10428	2.312 ug/l	98
25) 2-Butanone	4.67	43	10296	11.276 ug/l	95
26) 2,2-Dichloropropane	4.57	77	7890	2.085 ug/l	91
27) cis-1,2-Dichloroethene	4.58	96	6661	2.247 ug/l	91
28) Bromochloromethane	5.00	49	6068	2.998 ug/l	98
29) Tetrahydrofuran	5.12	42	7090	12.440 ug/l #	88
30) Chloroform	5.20	83	12620	2.617 ug/l	94
31) Cyclohexane	5.57	56	7073	1.944 ug/l	88
32) 1,1,1-Trichloroethane	5.47	97	9666	2.256 ug/l	99
36) 1,1-Dichloropropene	5.79	75	7592	2.112 ug/l	95
37) Ethyl Acetate	4.83	43	4835	2.272 ug/l #	88
38) Carbon Tetrachloride	5.77	117	7960	1.909 ug/l	95

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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	7903	1.846	ug/l	91
40) Benzene	6.13	78	22769	2.122	ug/l	96
41) Methacrylonitrile	5.04	41	2570	2.051	ug/l #	95
42) 1,2-Dichloroethane	6.18	62	8672	2.377	ug/l	86
43) Isopropyl Acetate	6.43	43	9762	2.263	ug/l	95
44) Trichloroethene	7.21	130	7062	2.127	ug/l	91
45) 1,2-Dichloropropane	7.51	63	6396	2.279	ug/l	99
46) Dibromomethane	7.66	93	4093	2.457	ug/l	89
47) Bromodichloromethane	7.89	83	9145	2.214	ug/l #	95
48) Methyl methacrylate	7.77	41	4517	2.152	ug/l	93
49) 1,4-Dioxane	7.74	88	1526	52.870	ug/l #	47
51) 4-Methyl-2-Pentanone	8.63	43	23584	10.762	ug/l	99
52) Toluene	8.78	92	15359	2.164	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	8833	2.088	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	10330	2.175	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	5547	2.275	ug/l	91
56) Ethyl methacrylate	9.18	69	7390	2.184	ug/l	98
57) 1,3-Dichloropropane	9.37	76	8757	2.164	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.30	63	22573	14.004	ug/l	97
59) 2-Hexanone	9.49	43	16768	10.772	ug/l	100
60) Dibromochloromethane	9.58	129	6819	2.082	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5222	2.160	ug/l	96
64) Tetrachloroethene	9.33	164	8264	2.337	ug/l	96
65) Chlorobenzene	10.13	112	18593	2.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	6942	2.015	ug/l	94
67) Ethyl Benzene	10.25	91	29853	2.060	ug/l	97
68) m/p-Xylenes	10.35	106	23345	4.171	ug/l	98
69) o-Xylene	10.69	106	11309	2.074	ug/l	99
70) Styrene	10.71	104	20025	2.083	ug/l	97
71) Bromoform	10.85	173	4962	2.037	ug/l #	98
73) Isopropylbenzene	11.01	105	28778	1.991	ug/l	100
74) N-amyl acetate	10.90	43	8475	1.976	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.26	83	6737	2.277	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	6235	2.519	ug/l	86
77) Bromobenzene	11.25	156	9381	2.238	ug/l	96
78) n-propylbenzene	11.35	91	32895	2.007	ug/l	99
79) 2-Chlorotoluene	11.41	91	20711	2.099	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	25671	2.057	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	109494	111.149	ug/l #	11
82) 4-Chlorotoluene	11.51	91	25463	2.139	ug/l	98
83) tert-Butylbenzene	11.77	119	25404	2.007	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	27082	2.118	ug/l	98
85) sec-Butylbenzene	11.94	105	28837	1.961	ug/l	99
86) p-Isopropyltoluene	12.06	119	28405	1.992	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	17376	2.230	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	17770	2.256	ug/l	86
89) n-Butylbenzene	12.38	91	25330	2.008	ug/l	99
90) Hexachloroethane	12.59	117	5772	2.092	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	15629	2.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1385	2.350	ug/l	94

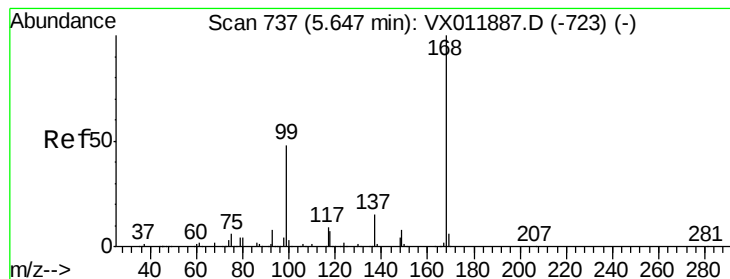
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QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	13269	2.175	ug/l	99
94) Hexachlorobutadiene	13.78	225	7840	1.925	ug/l	98
95) Naphthalene	13.83	128	22339	2.134	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	12385	2.245	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

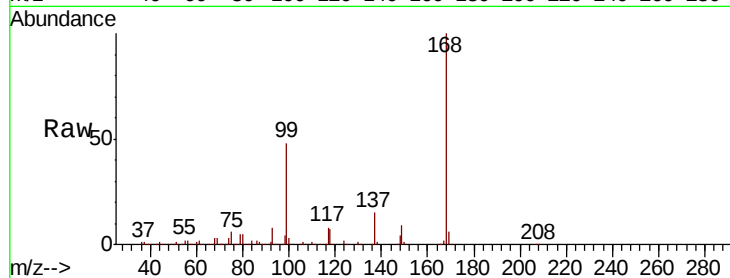
MDL03

Tgt Ion:168 Resp: 304134

Ion Ratio Lower Upper

168 100

99 48.0 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

120000

100000

80000

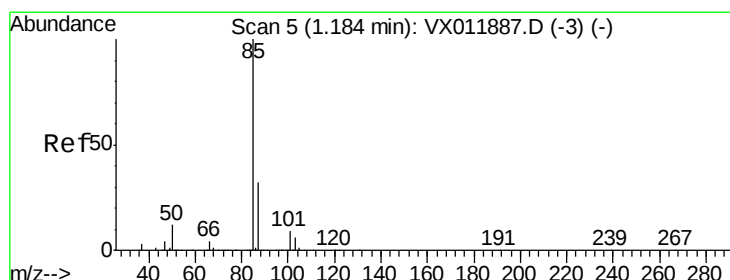
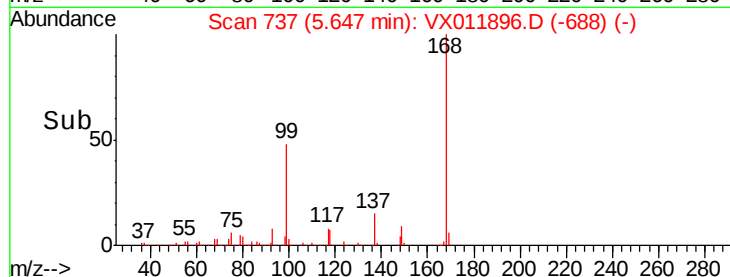
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.178 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011896.D

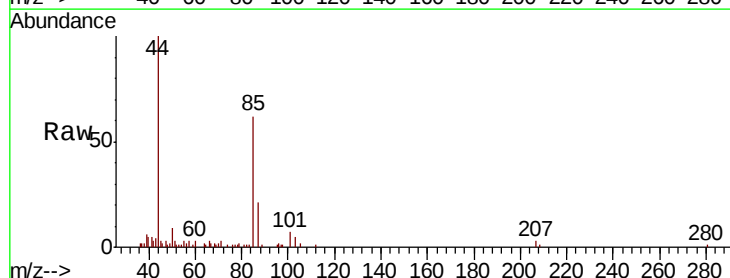
Acq: 30 Aug 2019 03:34

Tgt Ion: 85 Resp: 3998

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

4000

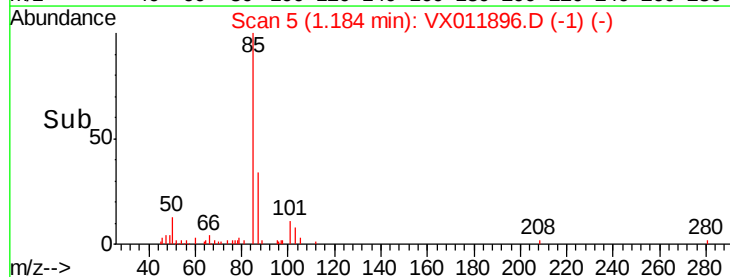
3000

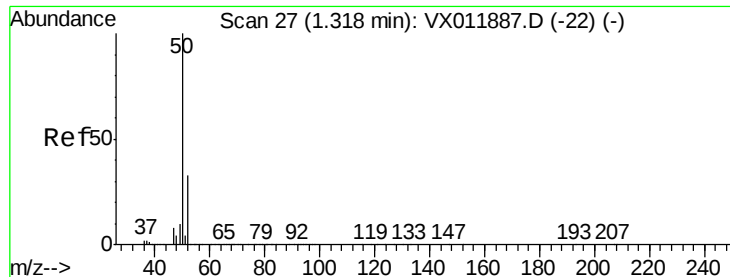
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.472 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

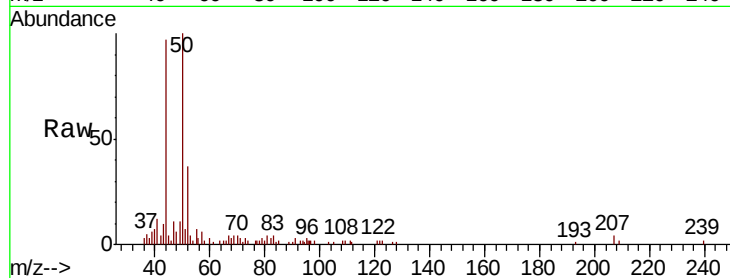
MDL03

Tgt Ion: 50 Resp: 5260

Ion Ratio Lower Upper

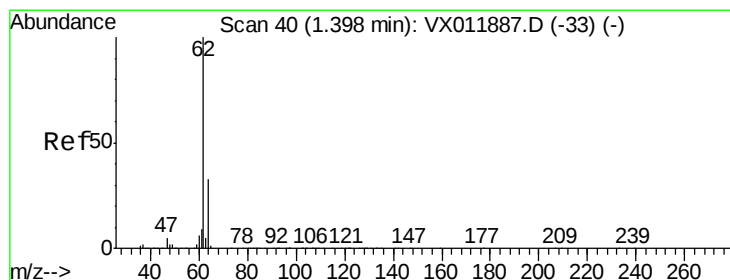
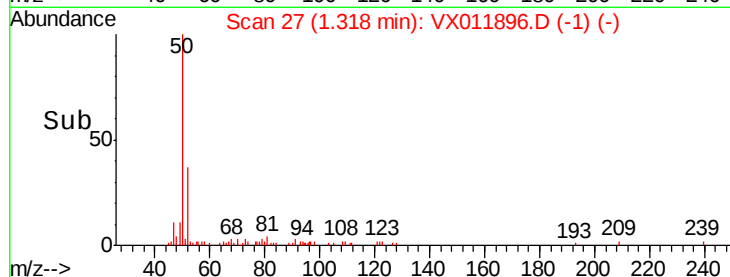
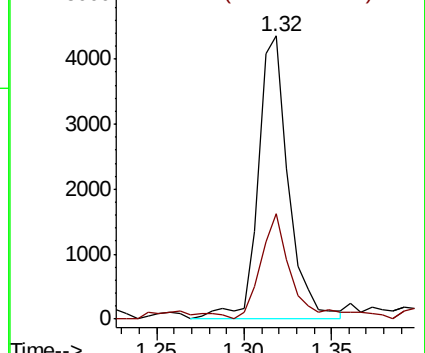
50 100

52 35.9 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: 2.265 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011896.D

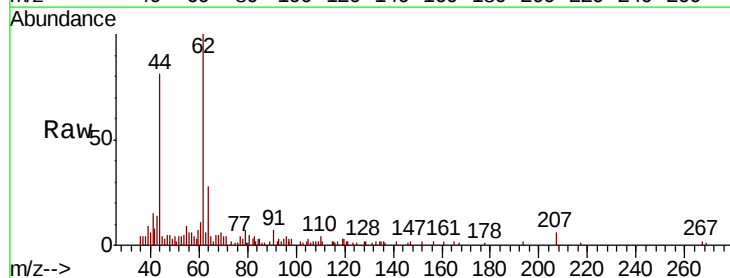
Acq: 30 Aug 2019 03:34

Tgt Ion: 62 Resp: 4602

Ion Ratio Lower Upper

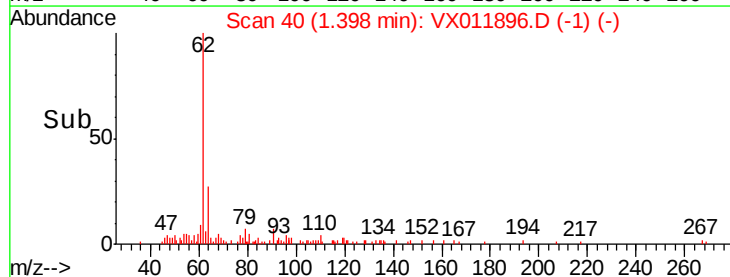
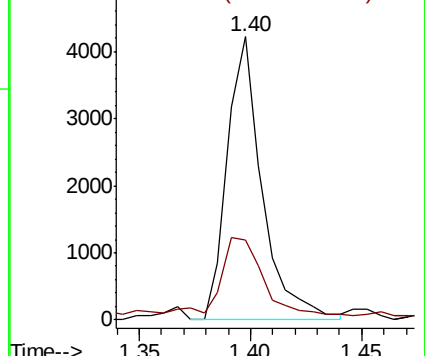
62 100

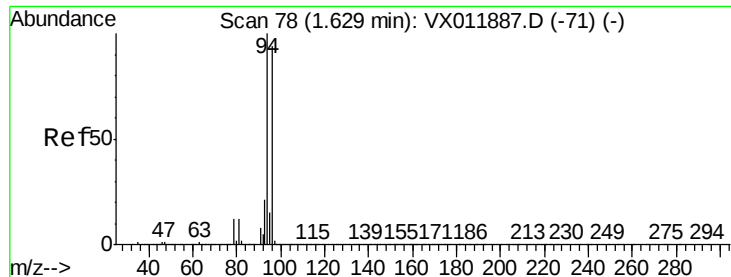
64 26.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.686 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

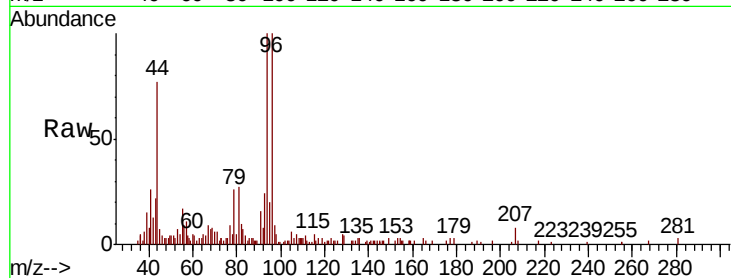
MDL03

Tgt Ion: 94 Resp: 5182

Ion Ratio Lower Upper

94 100

96 95.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

4000

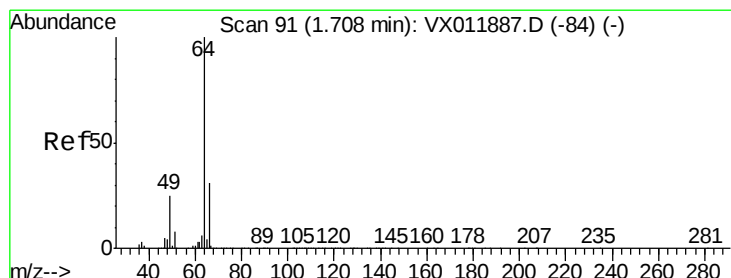
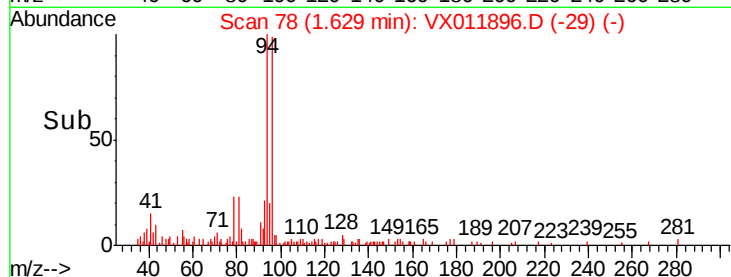
3000

2000

1000

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: 2.366 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX011896.D

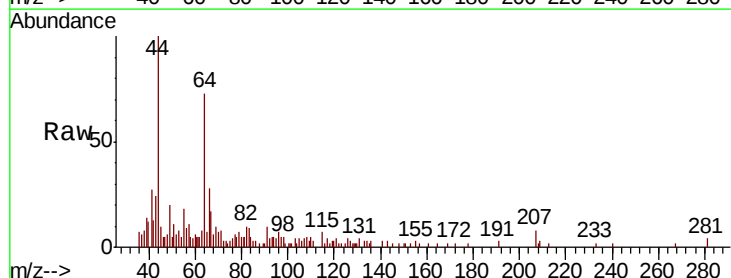
Acq: 30 Aug 2019 03:34

Tgt Ion: 64 Resp: 2992

Ion Ratio Lower Upper

64 100

66 34.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

2500

2000

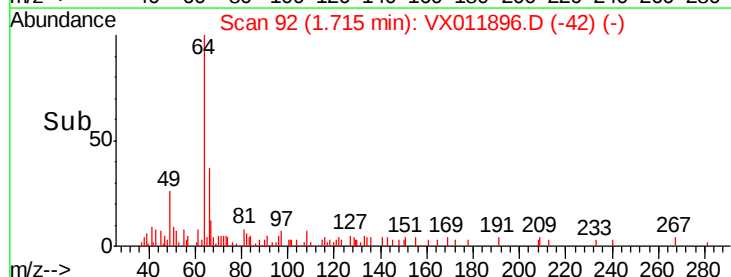
1500

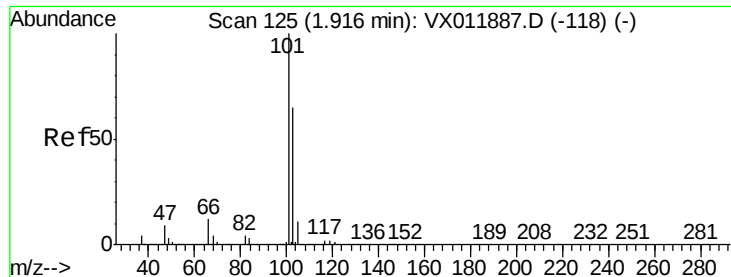
1000

500

0

Time--> 1.65 1.70 1.75 1.80



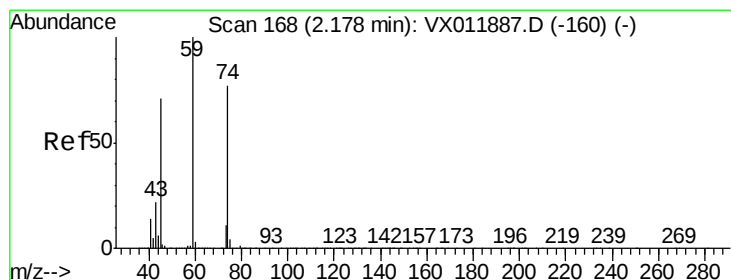
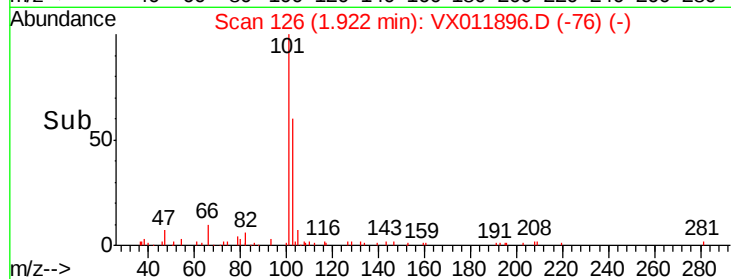
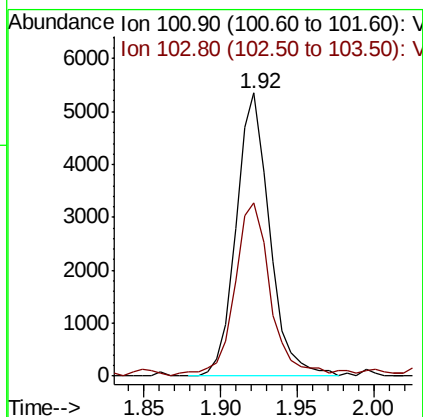
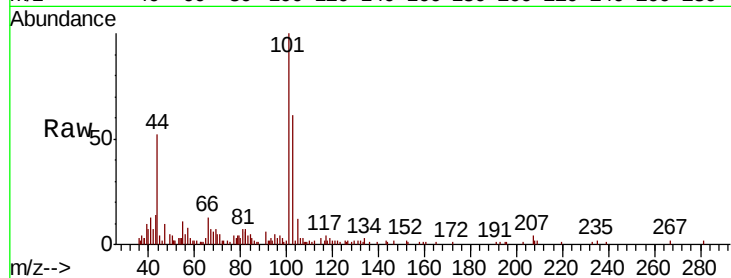


#7

Trichlorofluoromethane
Concen: 2.296 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Instrument :
MSVOA_X
ClientSampleId :
MDL03

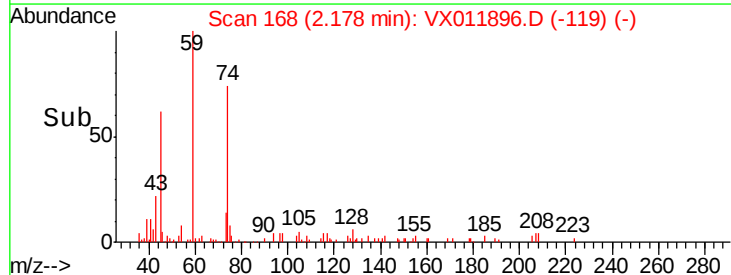
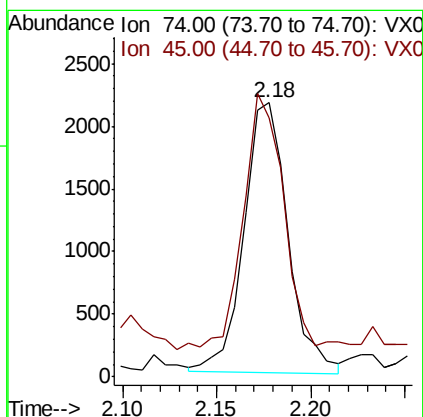
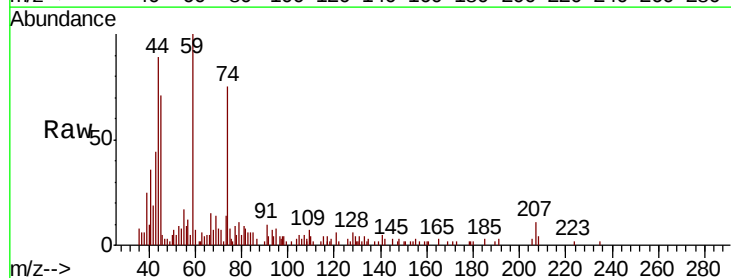
Tgt Ion: 101 Resp: 8104
Ion Ratio Lower Upper
101 100
103 59.9 51.6 77.4

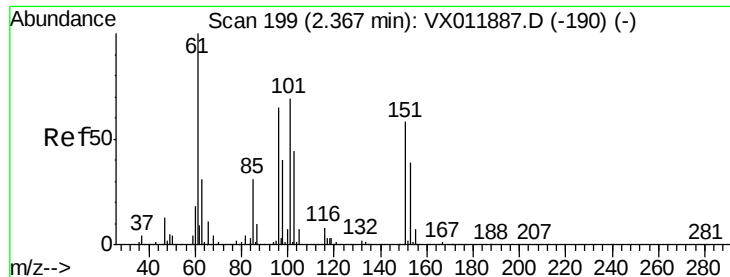


#8

Diethyl Ether
Concen: 2.883 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 74 Resp: 3496
Ion Ratio Lower Upper
74 100
45 84.0 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.151 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

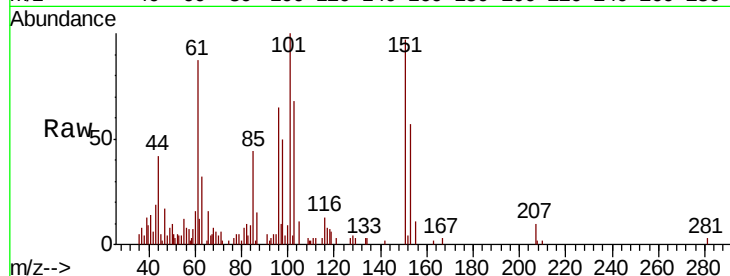
Tgt Ion:101 Resp: 4947

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

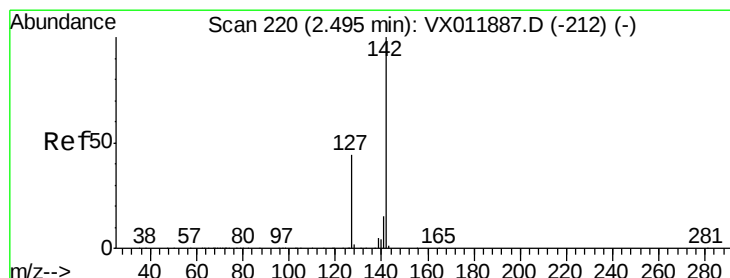
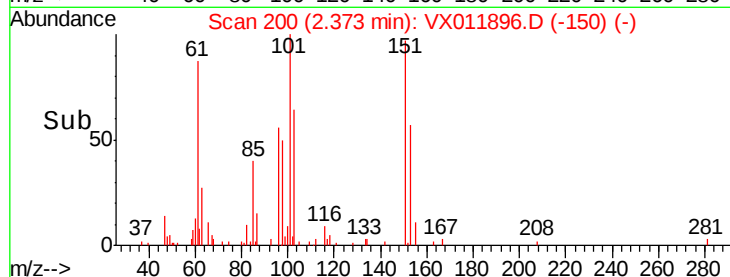
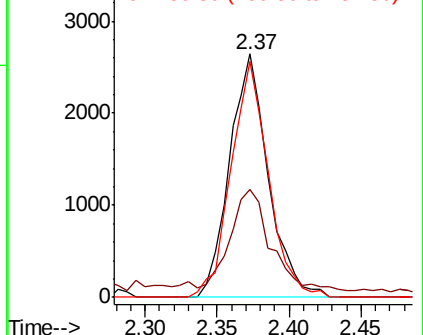
151 93.6 70.9 106.3



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: 4.510 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

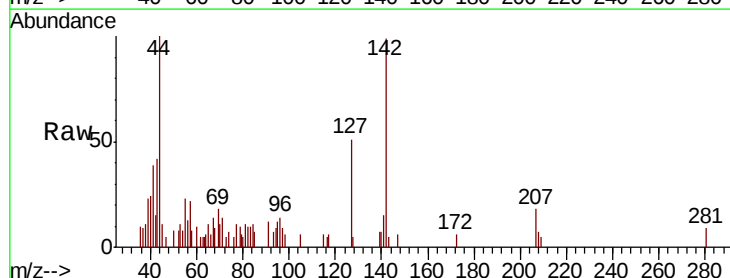
Tgt Ion:142 Resp: 2260

Ion Ratio Lower Upper

142 100

127 48.8 35.7 53.5

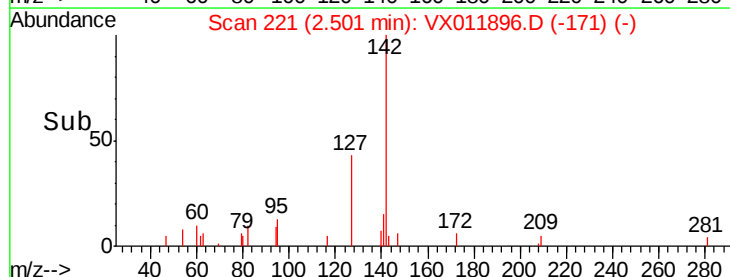
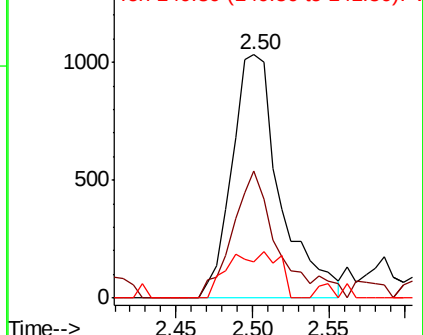
141 11.5 11.8 17.6#

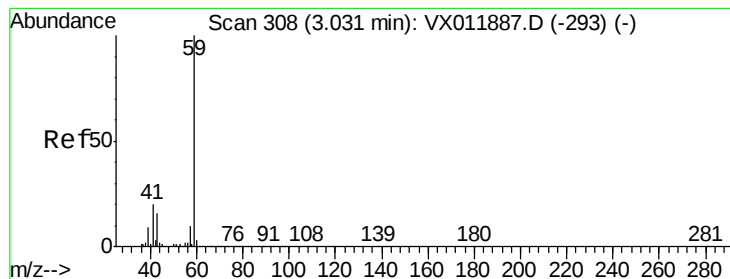


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



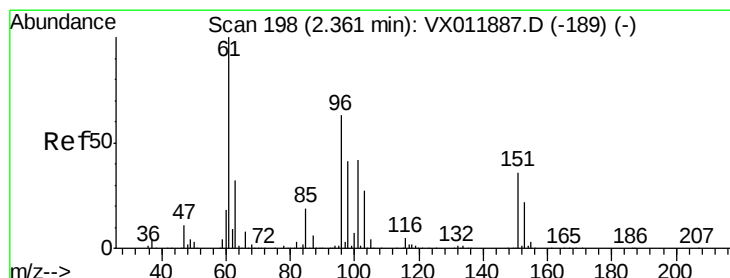
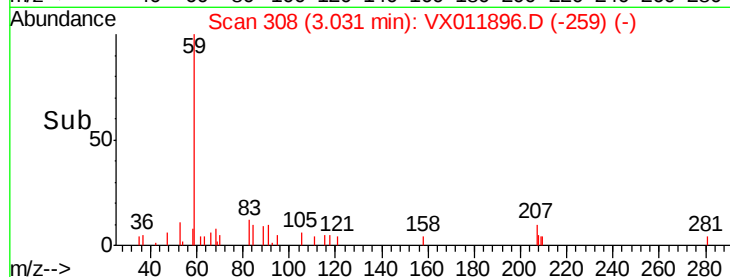
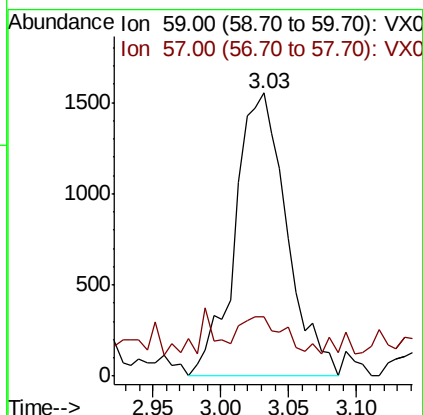
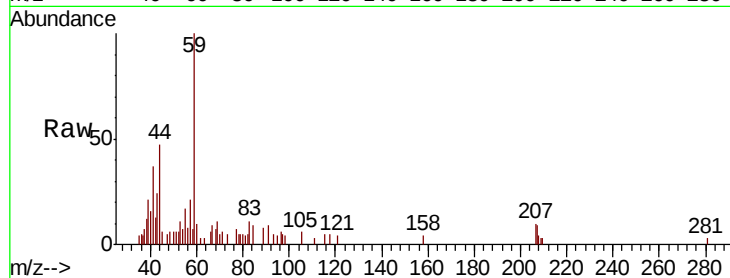


#11

Tert butyl alcohol
 Concen: 14.697 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

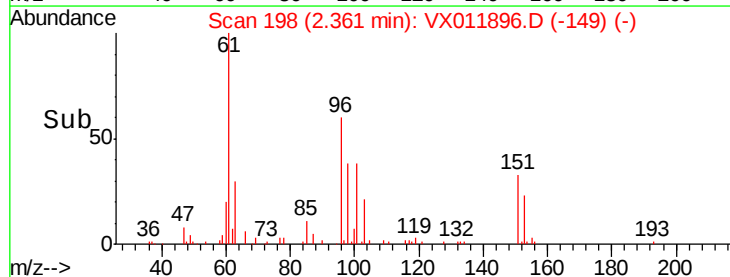
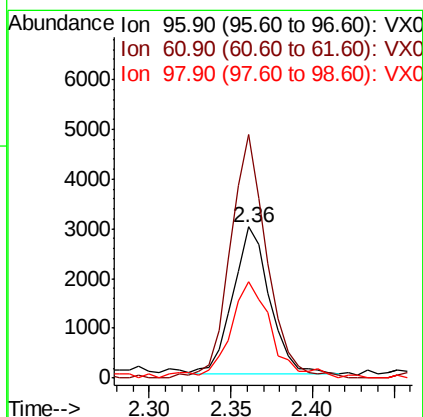
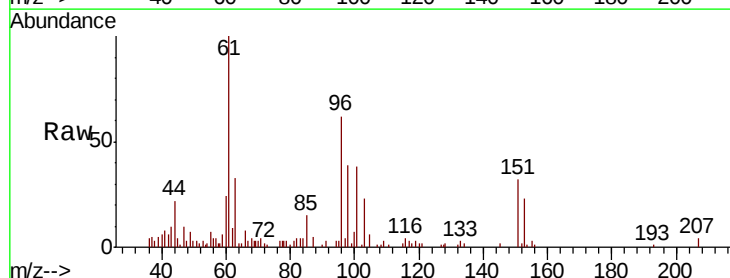
Tgt Ion: 59 Resp: 4120
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.6 12.8

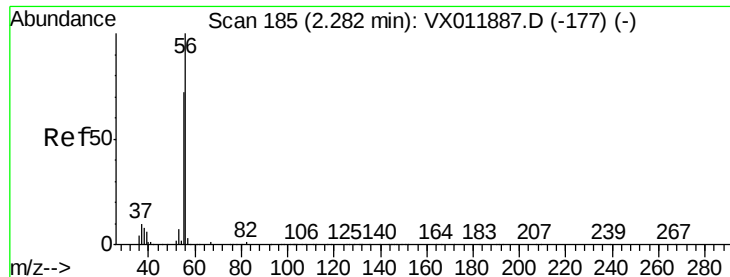


#12

1,1-Dichloroethene
 Concen: 2.199 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion: 96 Resp: 4698
 Ion Ratio Lower Upper
 96 100
 61 163.4 126.6 190.0
 98 65.3 51.6 77.4





#13

Acrolein

Concen: 10.686 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampled :

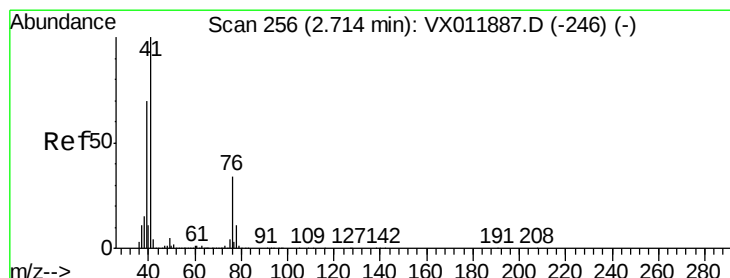
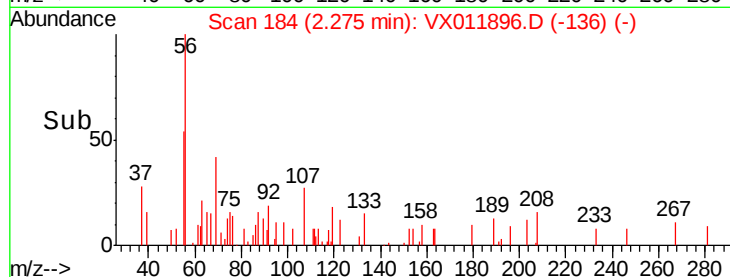
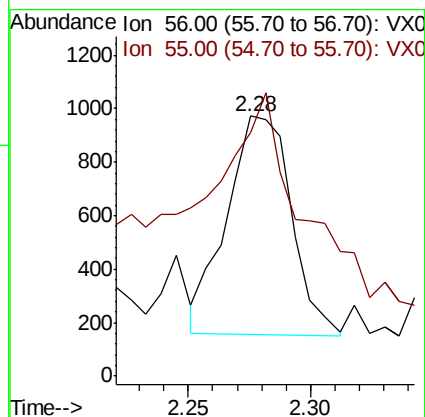
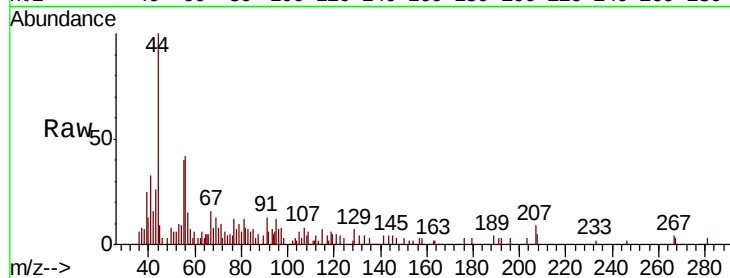
MDL03

Tgt Ion: 56 Resp: 1491

Ion Ratio Lower Upper

56 100

55 118.4 58.6 88.0#



#14

Allyl chloride

Concen: 2.073 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

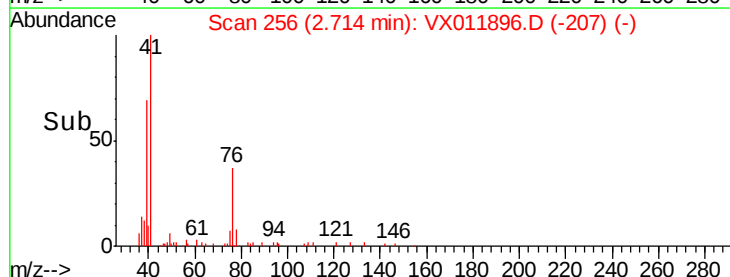
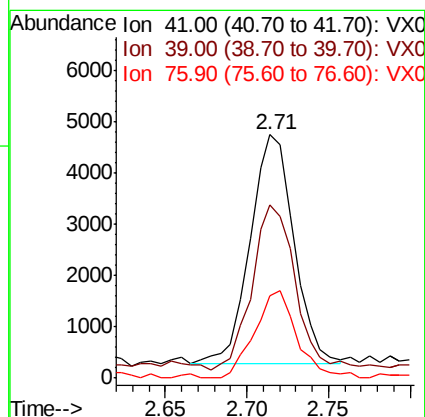
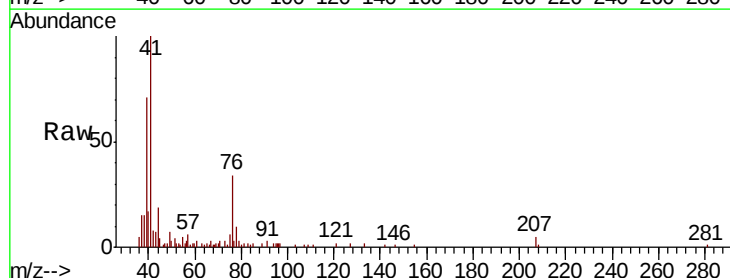
Tgt Ion: 41 Resp: 8308

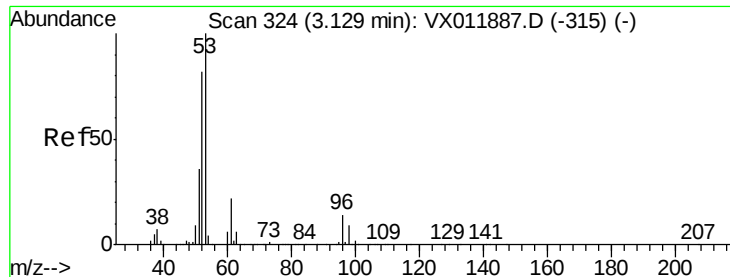
Ion Ratio Lower Upper

41 100

39 72.1 55.0 82.6

76 37.0 27.0 40.4





#15

Acrylonitrile

Concen: 12.245 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

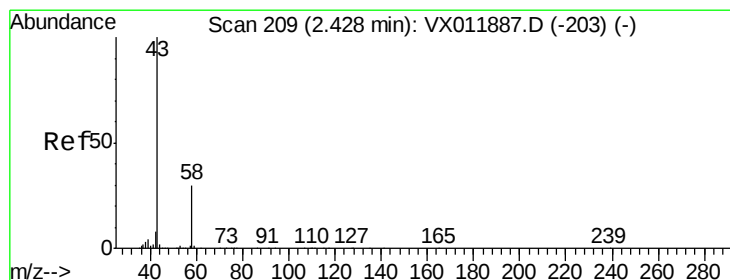
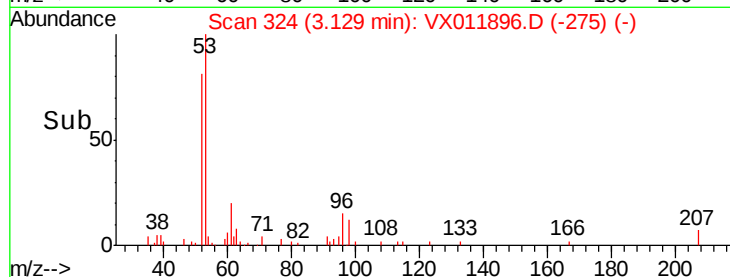
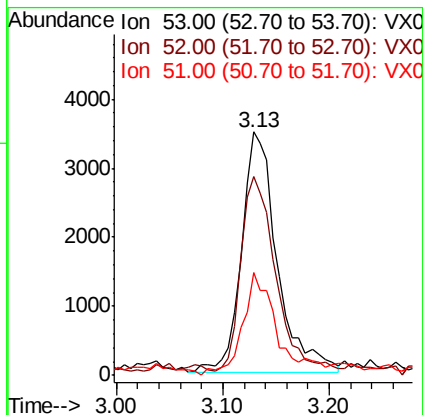
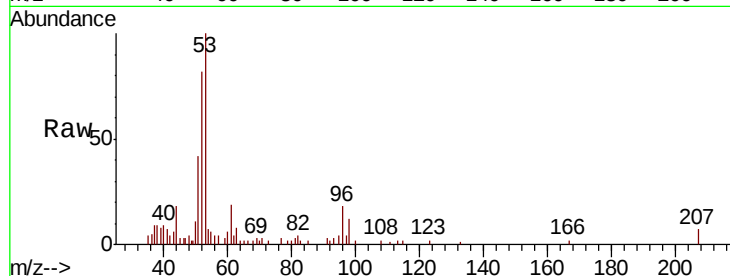
Tgt Ion: 53 Resp: 8157

Ion Ratio Lower Upper

53 100

52 79.8 65.3 97.9

51 37.7 29.4 44.2



#16

Acetone

Concen: 15.721 ug/l

RT: 2.43 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX011896.D

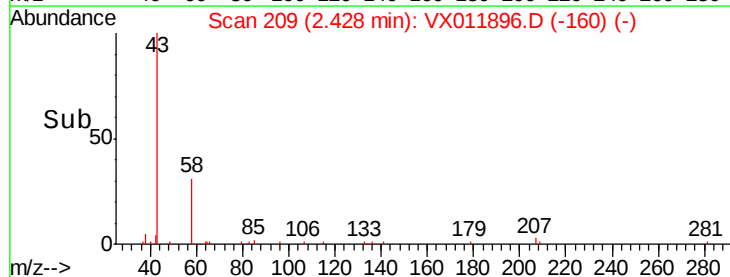
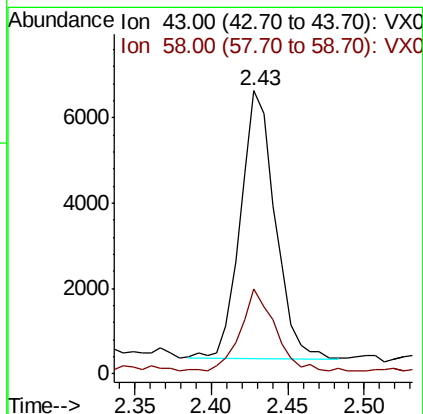
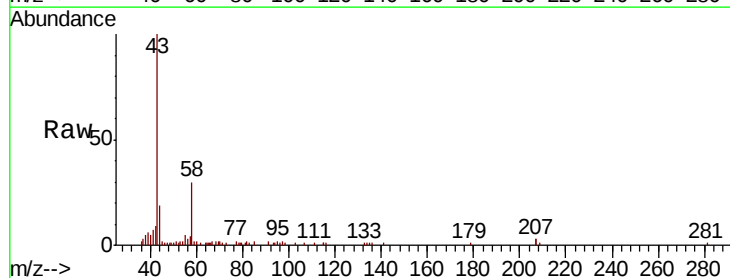
Acq: 30 Aug 2019 03:34

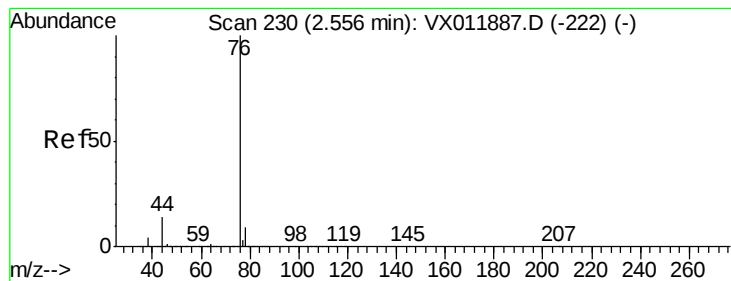
Tgt Ion: 43 Resp: 9856

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8





#17

Carbon Disulfide

Concen: 2.189 ug/l

RT: 2.56 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

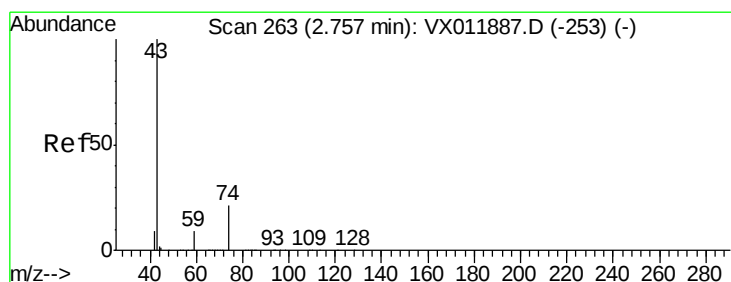
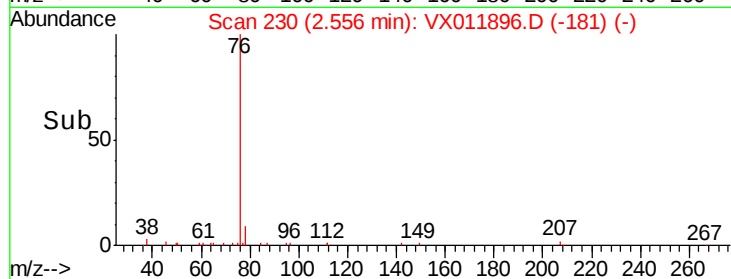
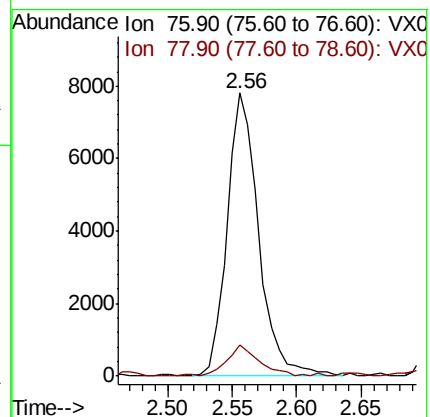
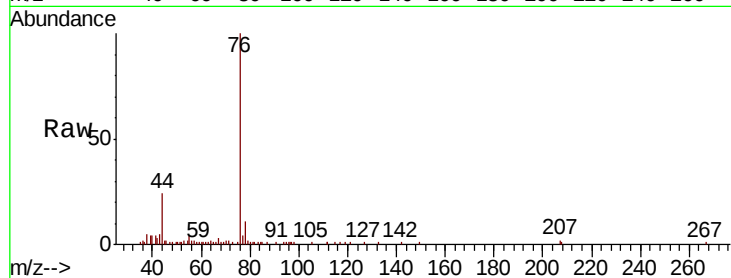
MDL03

Tgt Ion: 76 Resp: 13412

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



#18

Methyl Acetate

Concen: 2.997 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX011896.D

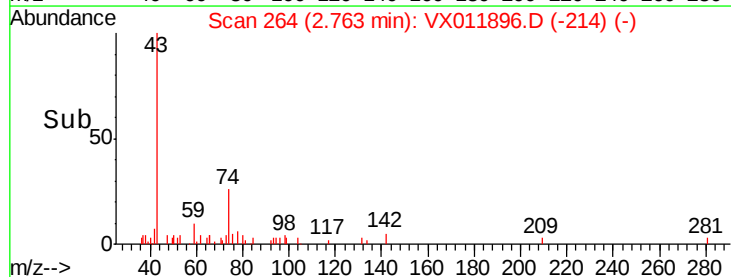
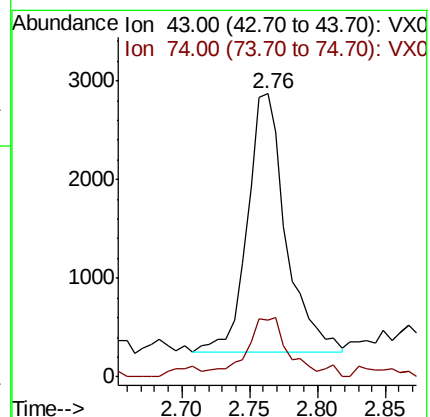
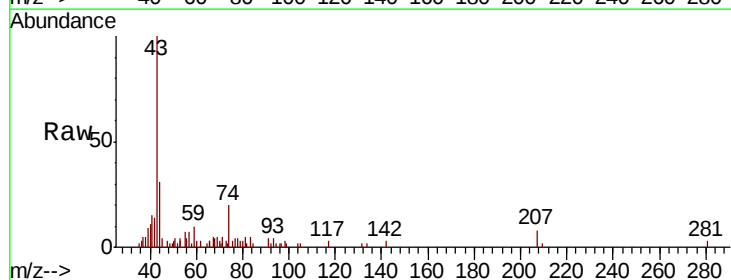
Acq: 30 Aug 2019 03:34

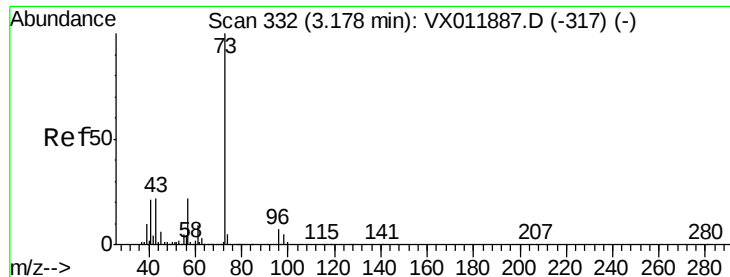
Tgt Ion: 43 Resp: 5202

Ion Ratio Lower Upper

43 100

74 25.8 18.4 27.6

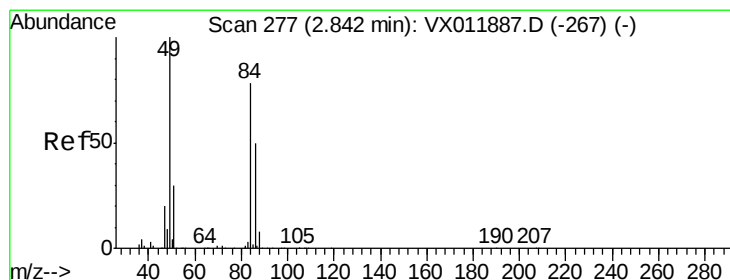
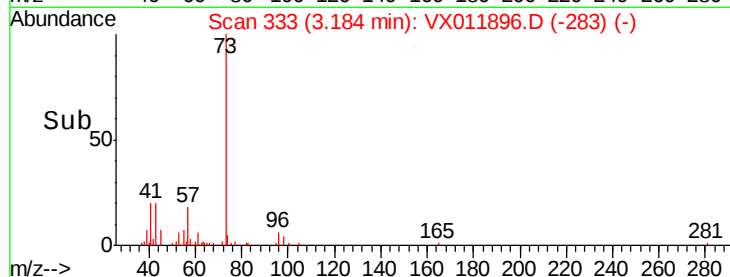
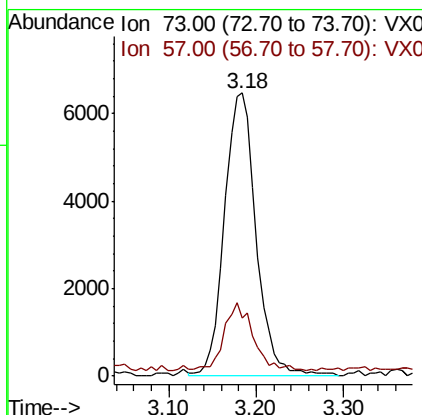
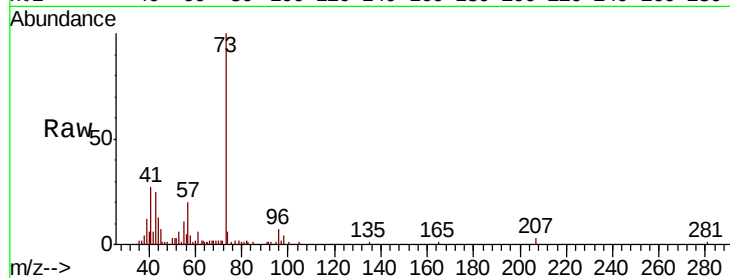




#19
Methyl tert-butyl Ether
Concen: 2.360 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

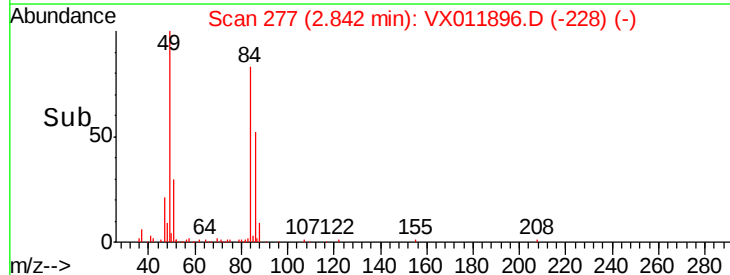
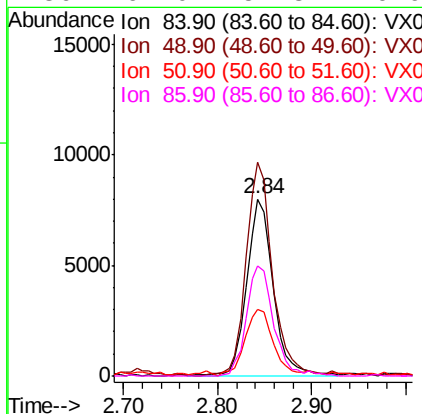
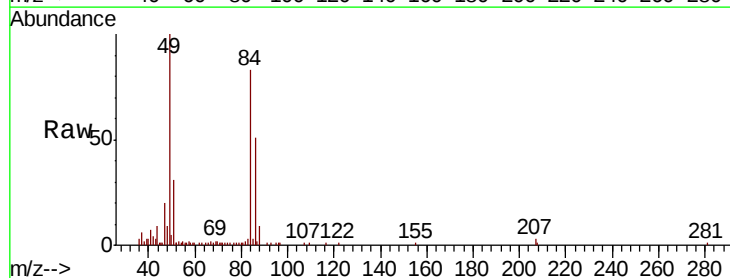
Instrument :
MSVOA_X
ClientSampleId :
MDL03

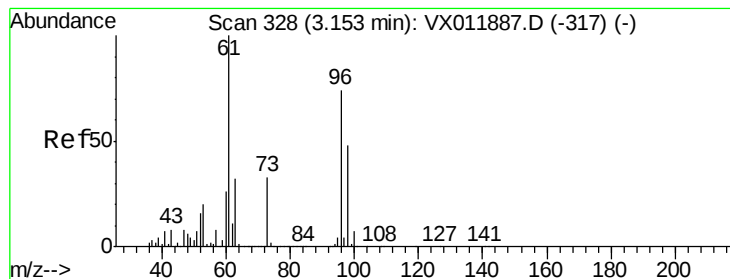
Tgt Ion: 73 Resp: 16333
Ion Ratio Lower Upper
73 100
57 17.7 17.4 26.0



#20
Methylene Chloride
Concen: 1.164 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 84 Resp: 15945
Ion Ratio Lower Upper
84 100
49 120.1 103.0 154.4
51 36.6 30.8 46.2
86 62.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.401 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampled :

MDL03

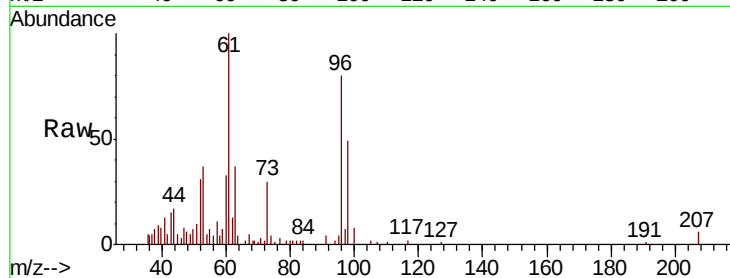
Tgt Ion: 96 Resp: 6041

Ion Ratio Lower Upper

96 100

61 127.0 107.4 161.2

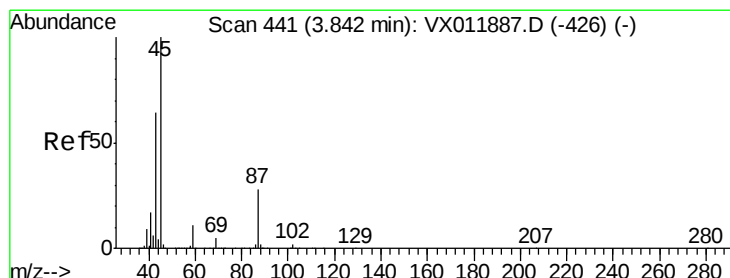
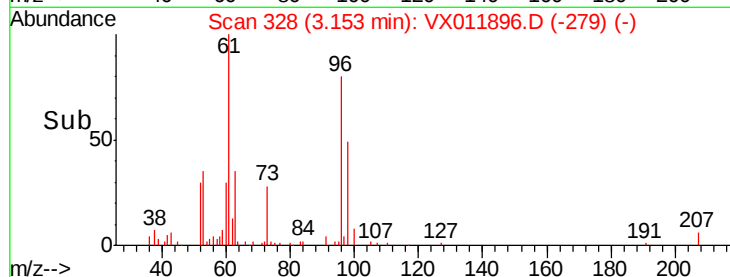
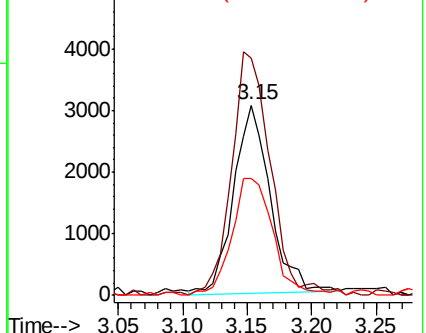
98 62.6 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 2.252 ug/l

RT: 3.84 min Scan# 441

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Tgt Ion: 45 Resp: 18419

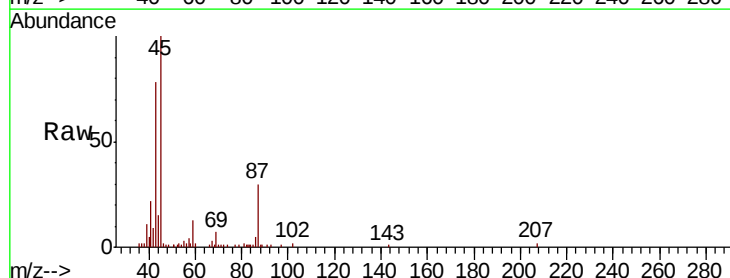
Ion Ratio Lower Upper

45 100

43 72.3 51.0 76.6

87 29.4 22.0 33.0

59 12.4 9.1 13.7

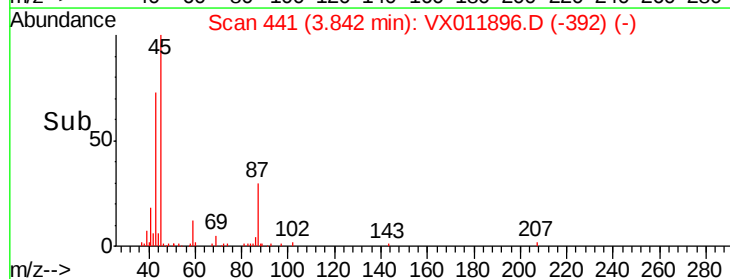
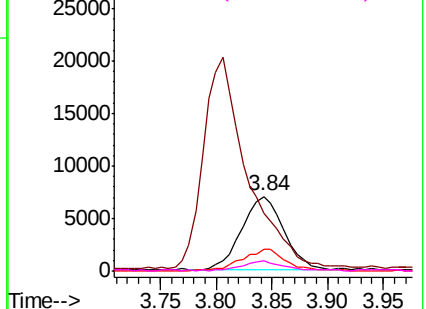


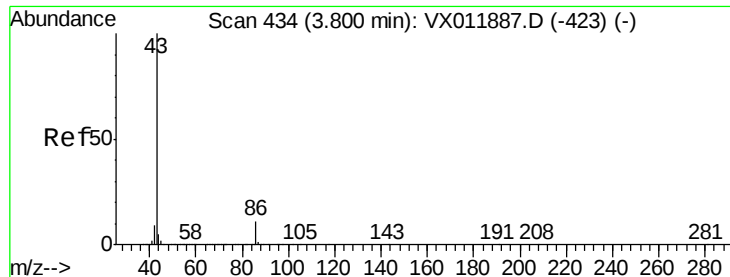
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

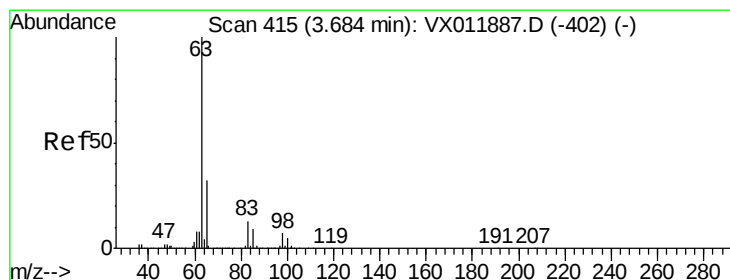
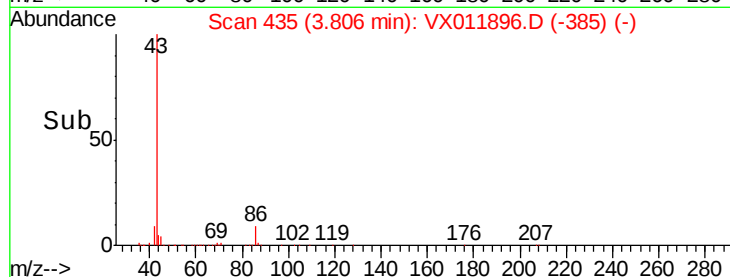
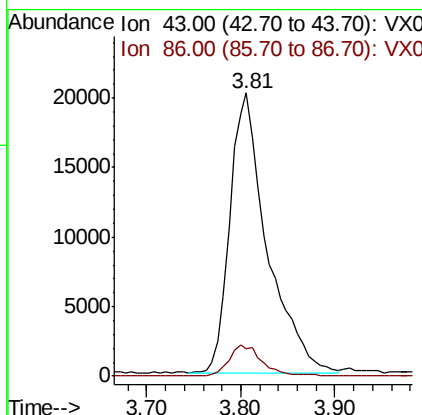
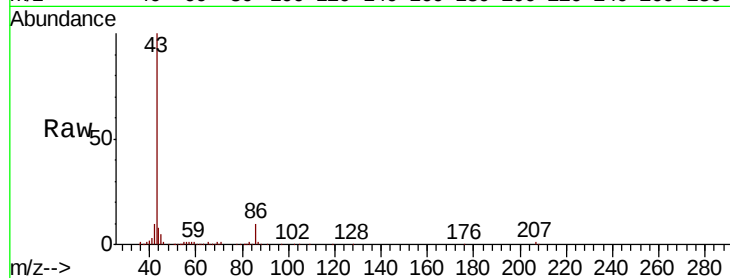




#23
 Vinyl Acetate
 Concen: 10.498 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.01 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

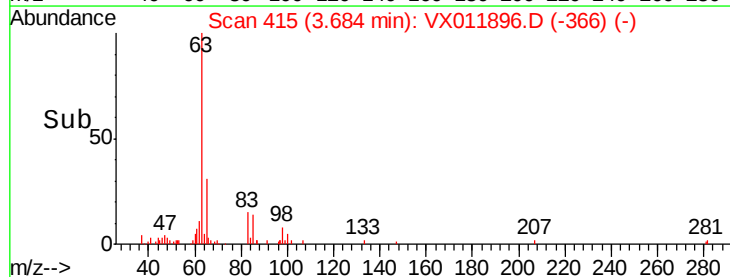
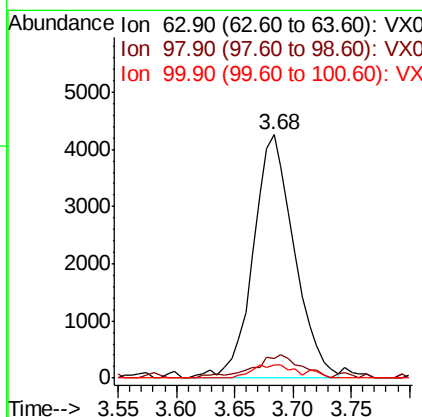
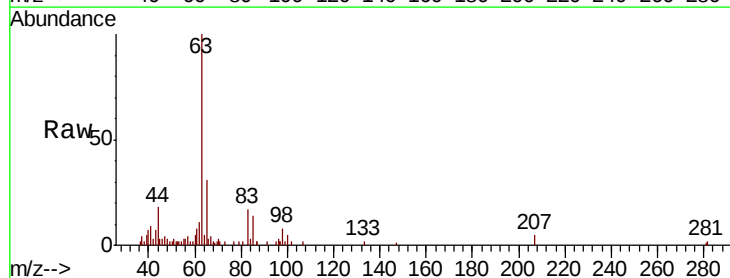
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

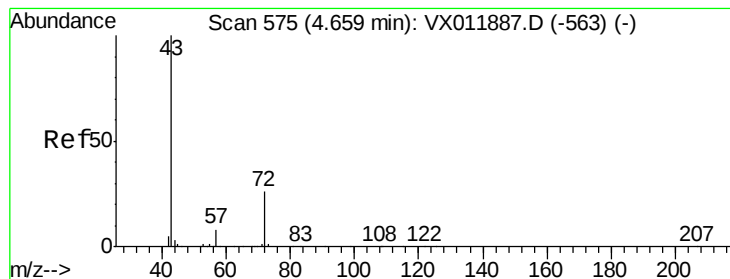
Tgt Ion: 43 Resp: 55210
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 2.312 ug/l
 RT: 3.68 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion: 63 Resp: 10428
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.8 11.2
 100 5.3 2.4 7.2





#25

2-Butanone

Concen: 11.276 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

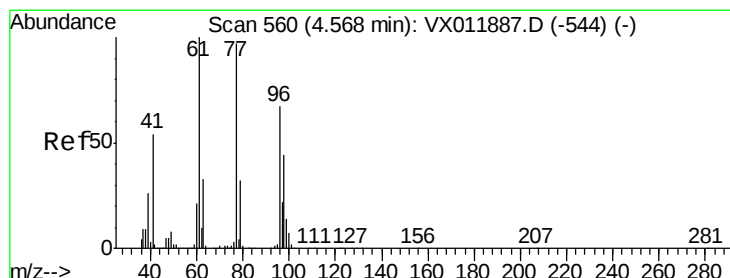
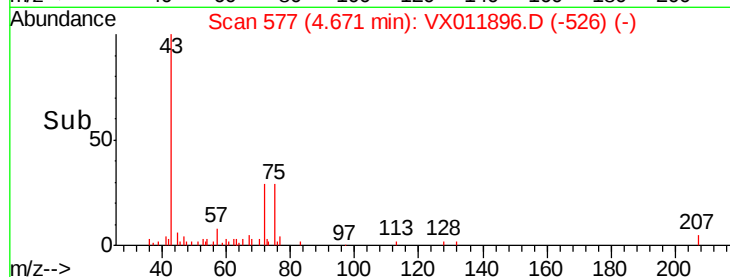
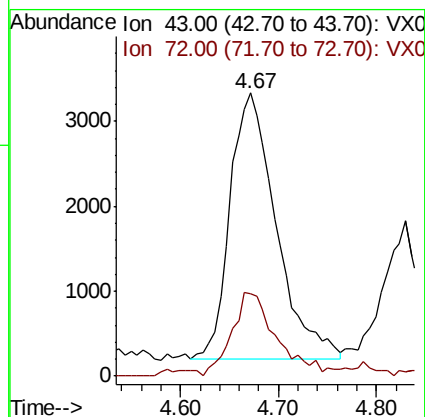
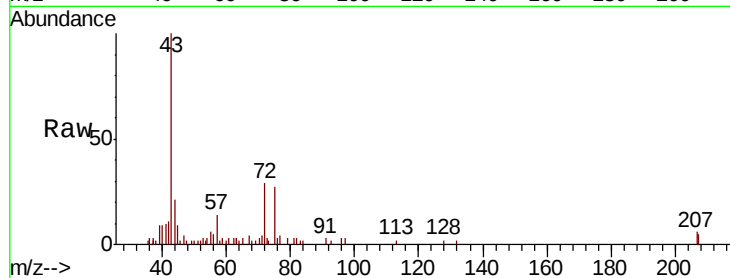
MDL03

Tgt Ion: 43 Resp: 10296

Ion Ratio Lower Upper

43 100

72 29.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 2.085 ug/l

RT: 4.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VX011896.D

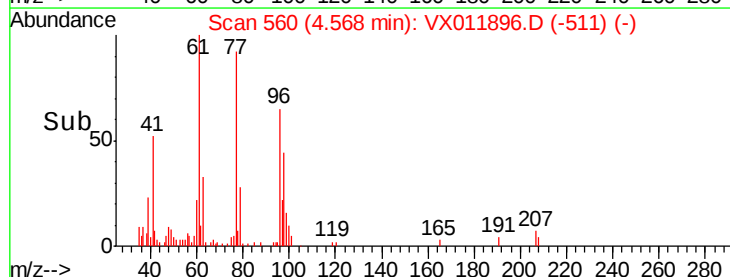
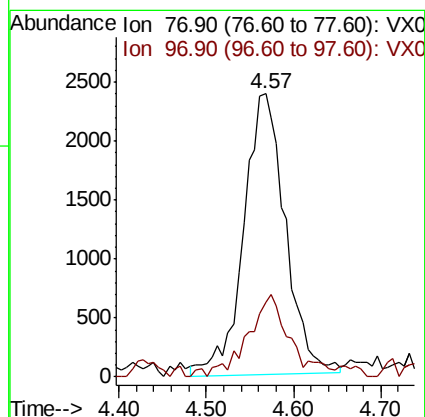
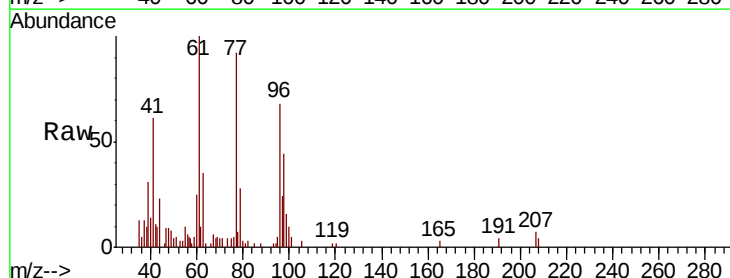
Acq: 30 Aug 2019 03:34

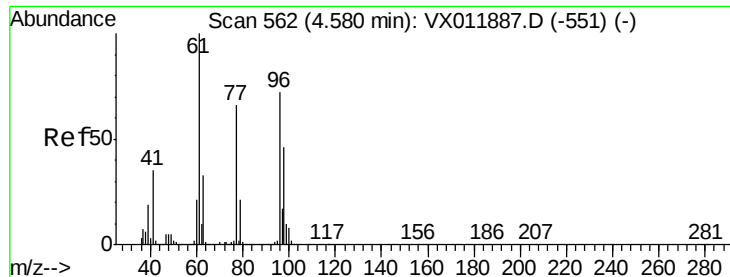
Tgt Ion: 77 Resp: 7890

Ion Ratio Lower Upper

77 100

97 27.9 11.7 35.1



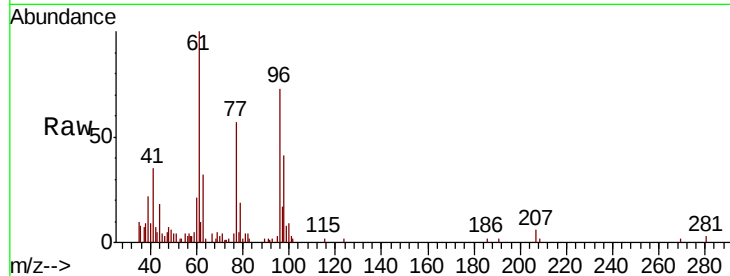


#27

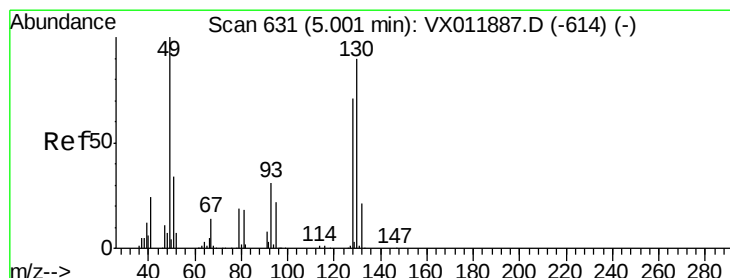
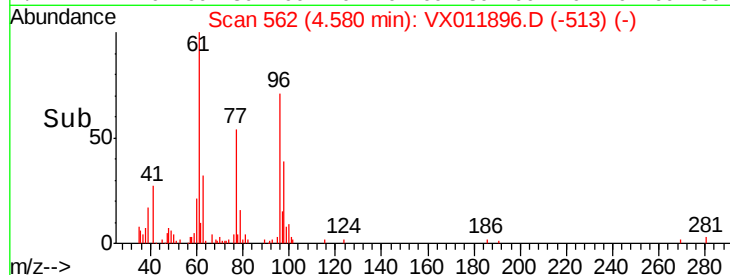
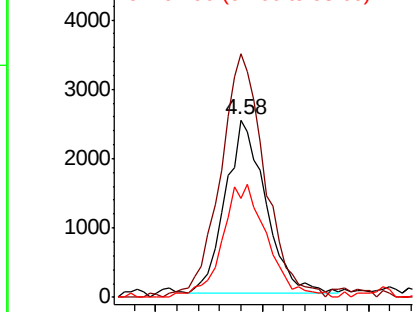
cis-1,2-Dichloroethene
Concen: 2.247 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tgt Ion: 96 Resp: 6661
Ion Ratio Lower Upper
96 100
61 152.6 0.0 283.8
98 72.2 0.0 131.2



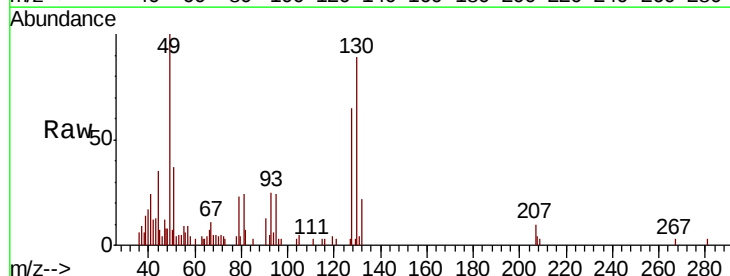
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



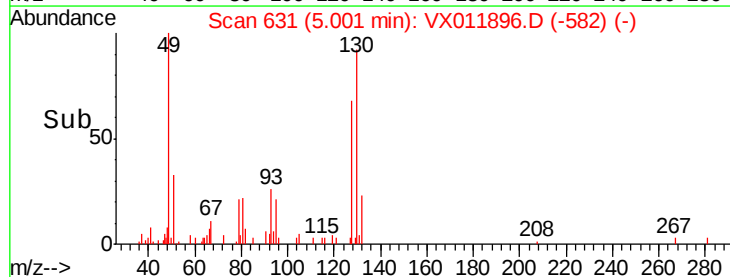
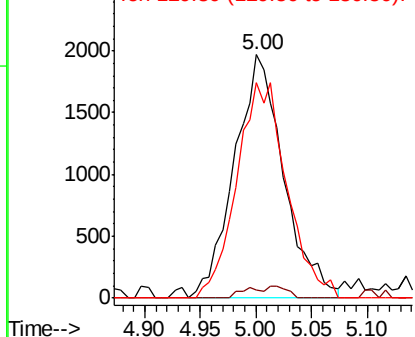
#28

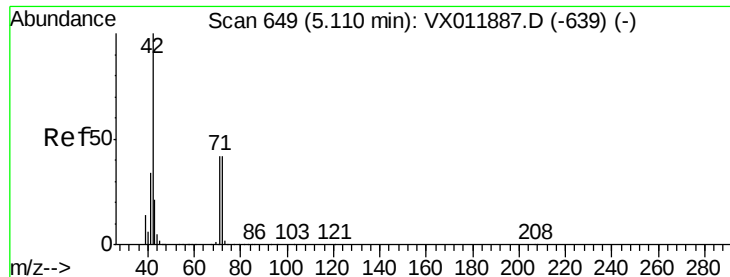
Bromochloromethane
Concen: 2.998 ug/l
RT: 5.00 min Scan# 631
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 49 Resp: 6068
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.8
130 90.0 70.6 105.8



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

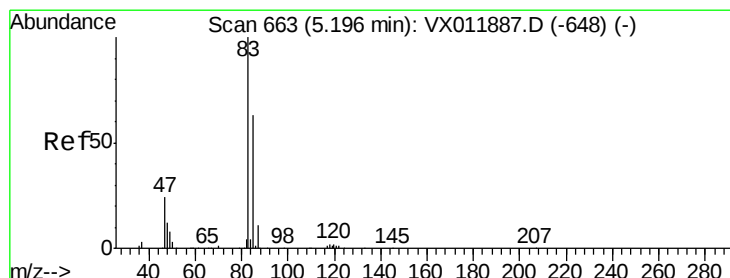
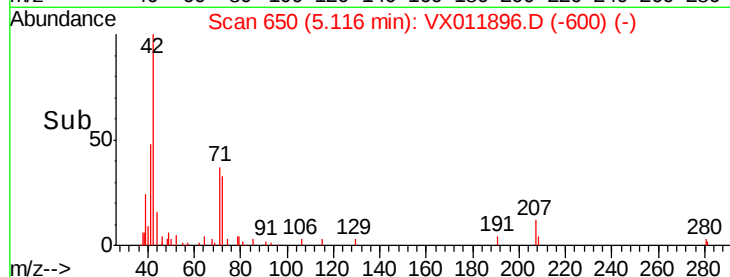
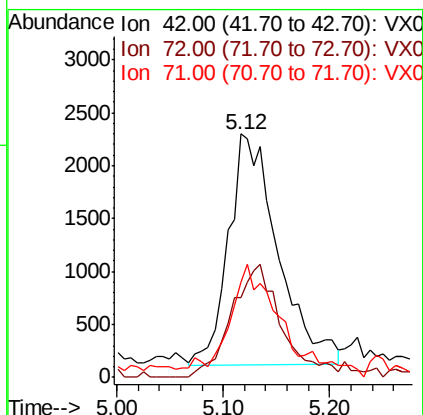
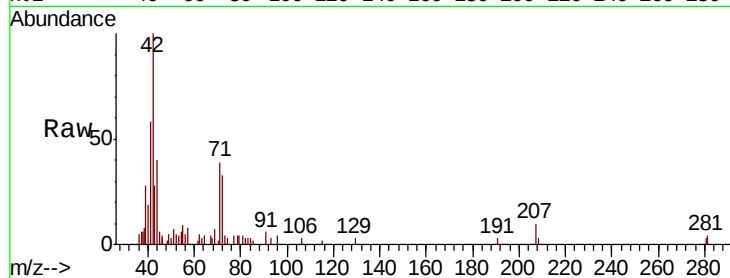




#29
Tetrahydrofuran
Concen: 12.440 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

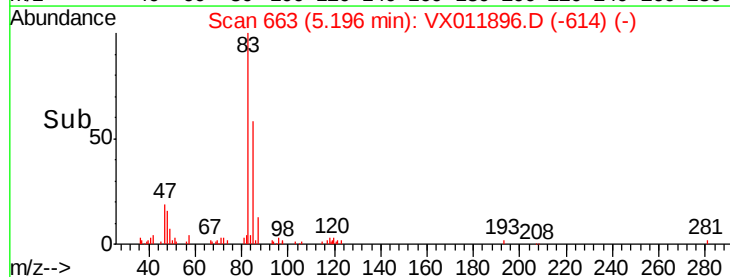
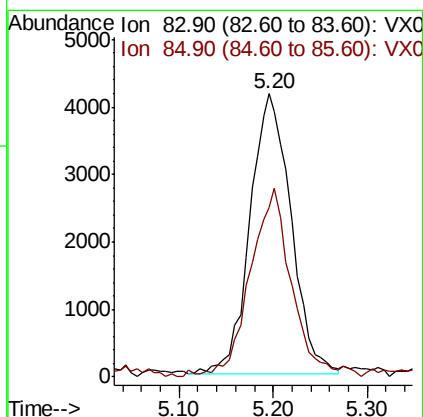
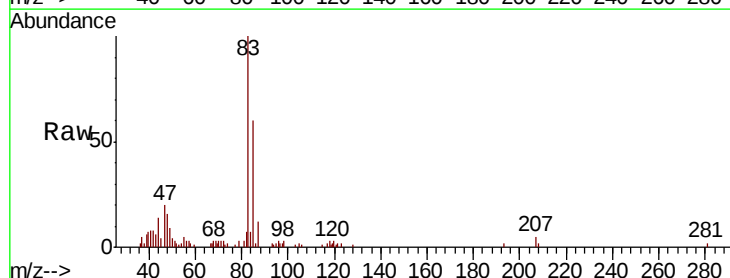
Instrument :
MSVOA_X
ClientSampleId :
MDL03

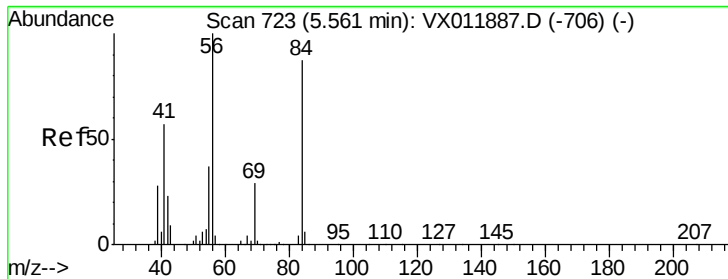
Tgt Ion: 42 Resp: 7090
Ion Ratio Lower Upper
42 100
72 49.4 36.2 54.4
71 53.1 33.1 49.7#



#30
Chloroform
Concen: 2.617 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 83 Resp: 12620
Ion Ratio Lower Upper
83 100
85 58.4 50.6 75.8

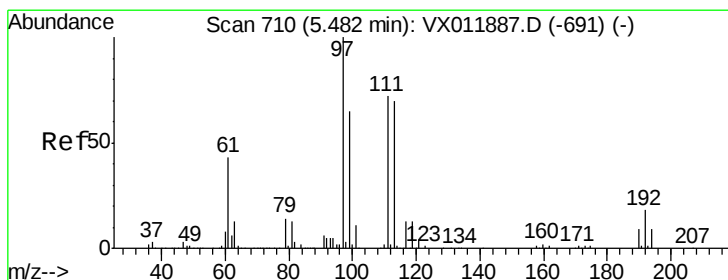
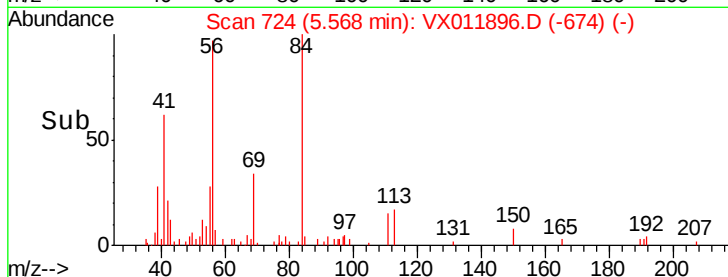
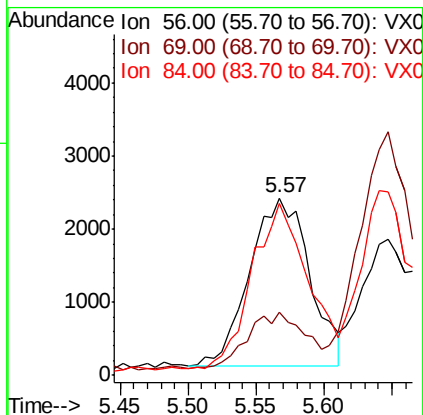
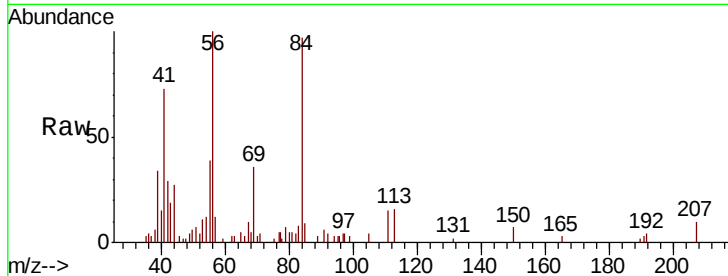




#31
Cyclohexane
Concen: 1.944 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

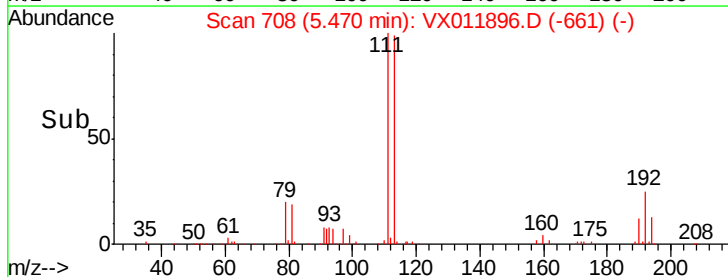
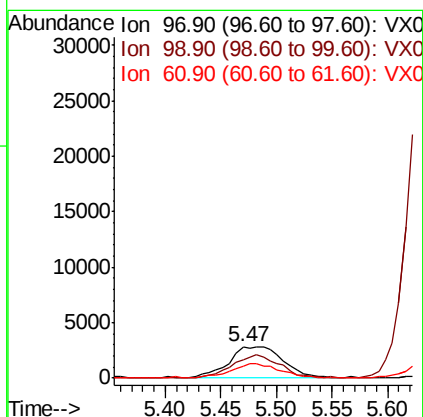
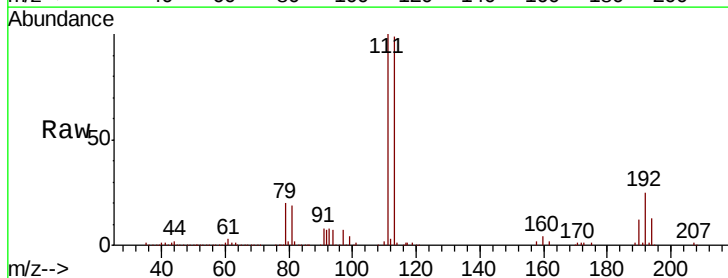
Instrument :
MSVOA_X
ClientSampleId :
MDL03

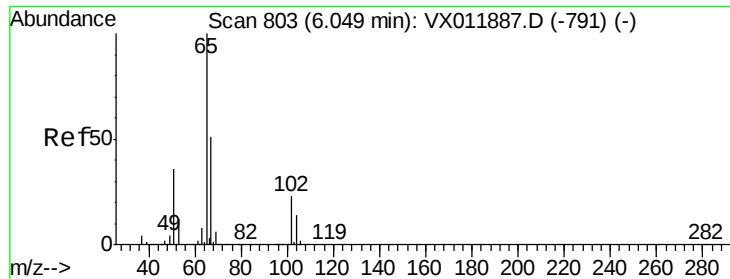
Tgt Ion: 56 Resp: 7073
Ion Ratio Lower Upper
56 100
69 34.0 23.1 34.7
84 98.7 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 2.256 ug/l
RT: 5.47 min Scan# 708
Delta R.T. -0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 97 Resp: 9666
Ion Ratio Lower Upper
97 100
99 65.3 51.8 77.8
61 43.1 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 56.030 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

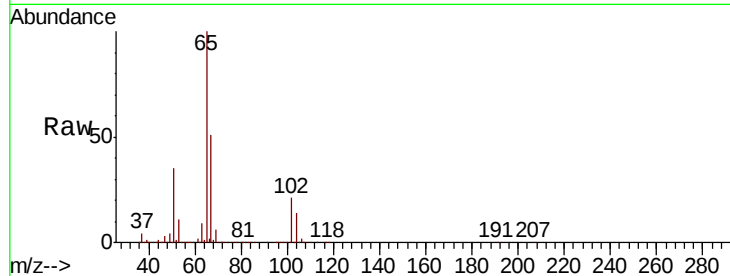
MDL03

Tgt Ion: 65 Resp: 163267

Ion Ratio Lower Upper

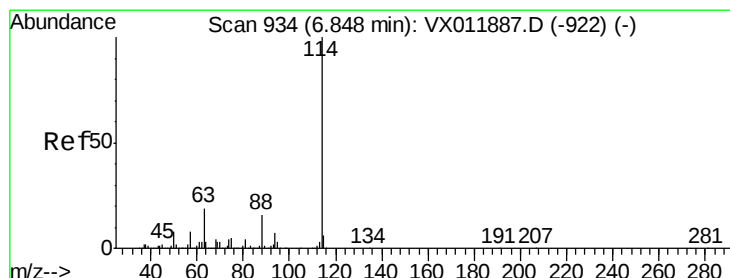
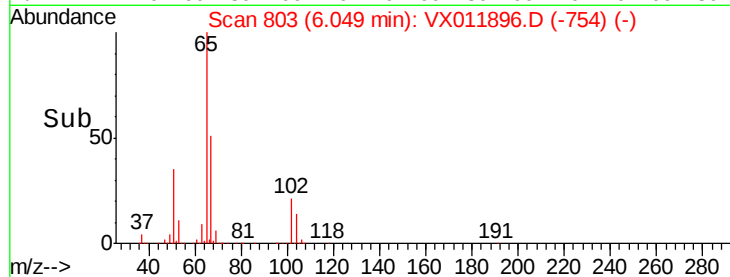
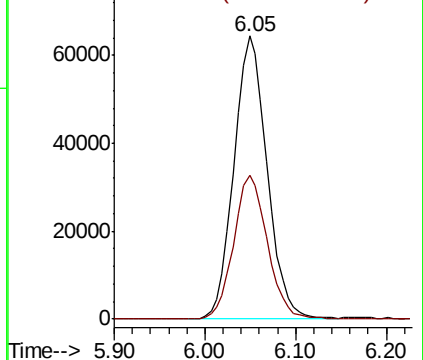
65 100

67 51.2 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# 934

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

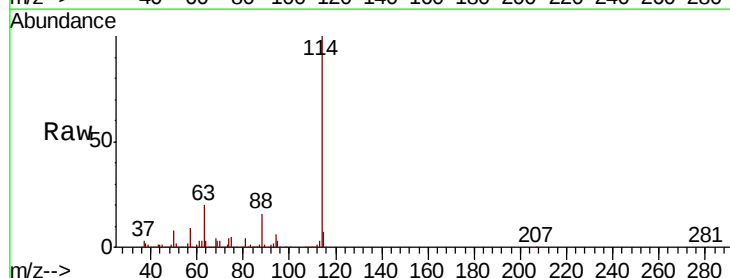
Tgt Ion: 114 Resp: 453708

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

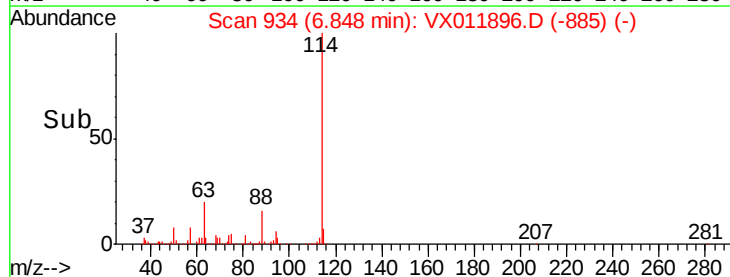
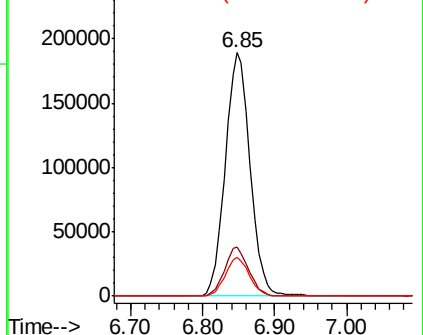
88 15.9 0.0 31.2

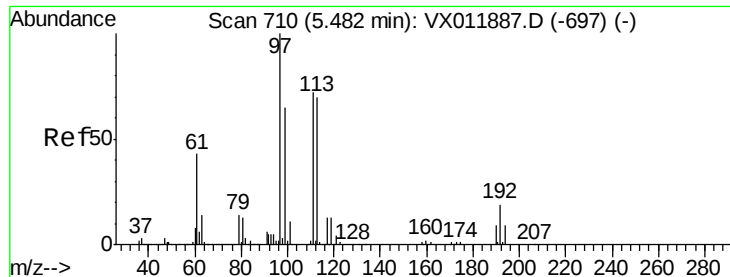


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

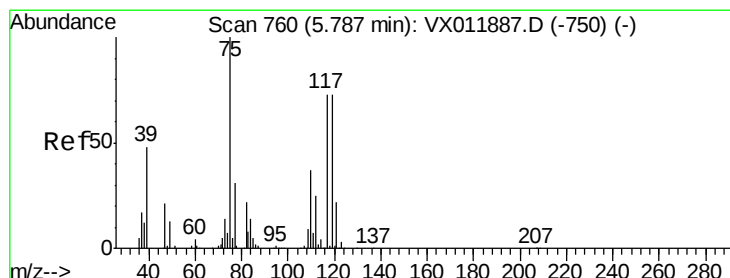
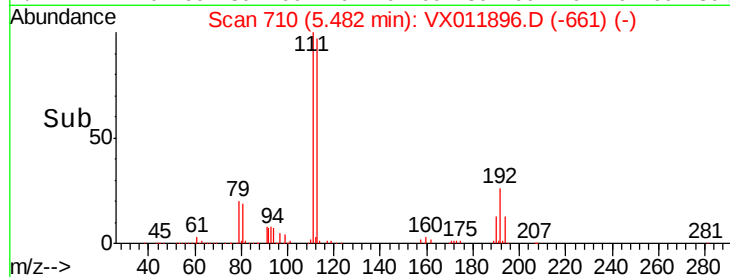
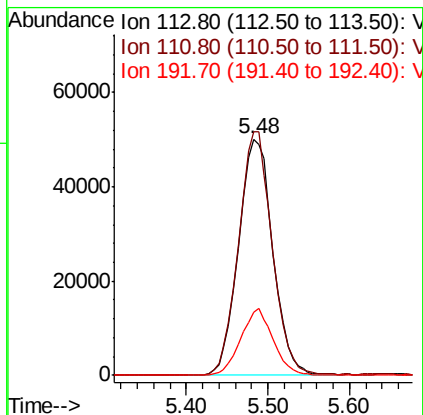
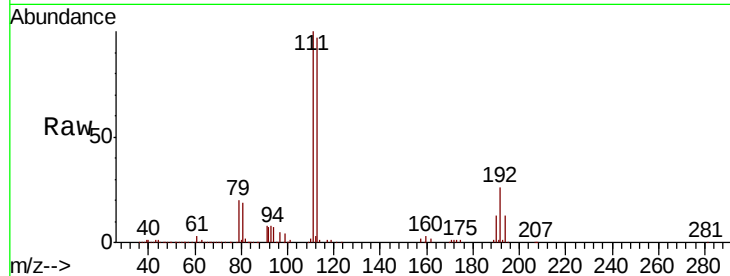




#35
 Dibromofluoromethane
 Concen: 50.383 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

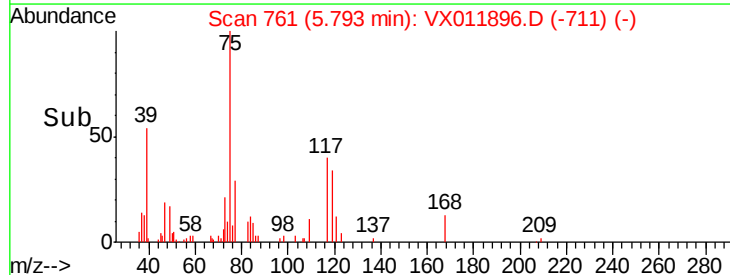
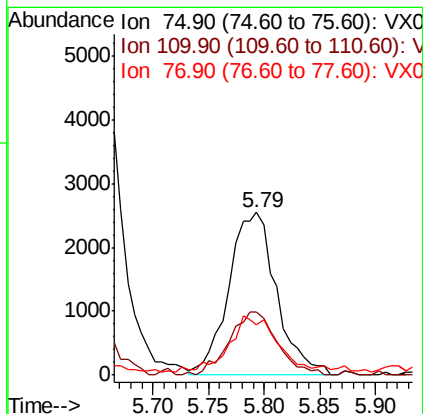
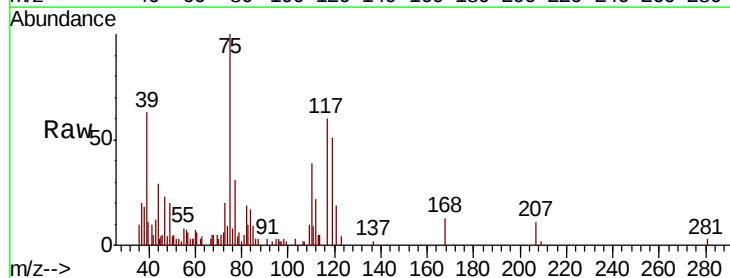
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

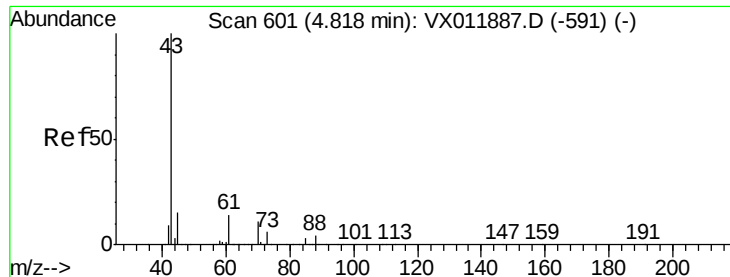
Tgt Ion:113 Resp: 146583
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.1 123.1
 192 26.7 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 2.112 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion: 75 Resp: 7592
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.1 57.3
 77 35.1 24.4 36.6

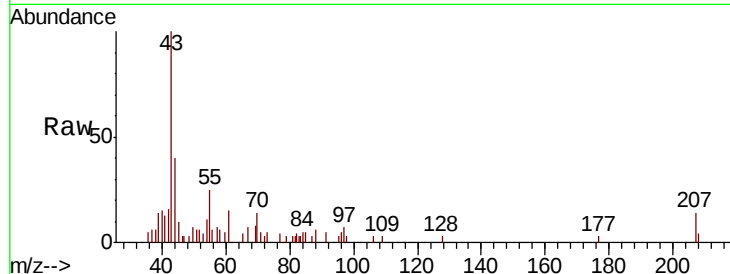




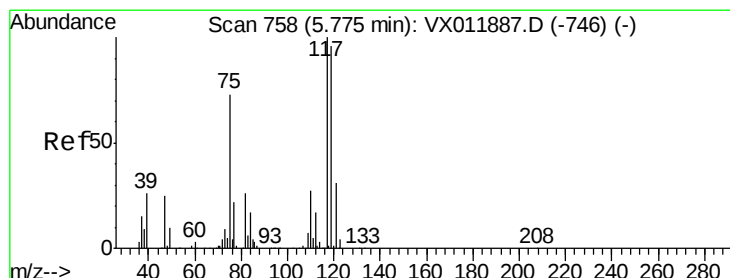
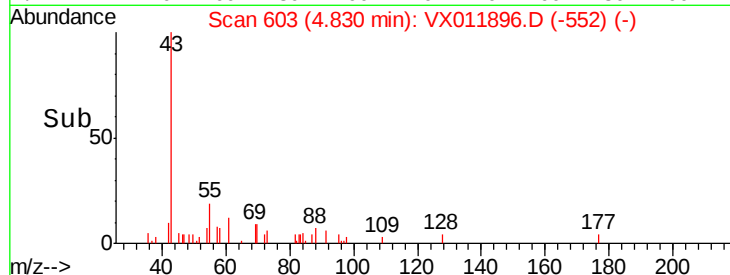
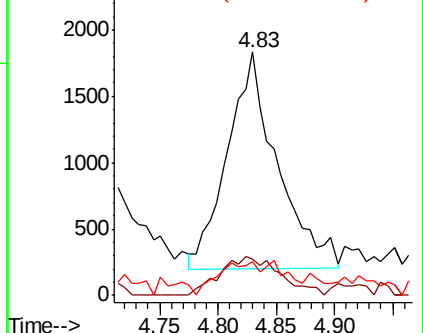
#37
Ethyl Acetate
Concen: 2.272 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
61 21.7 11.0 16.4#
70 12.4 9.2 13.8

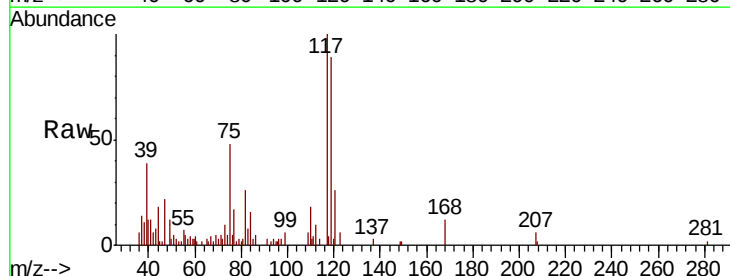


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

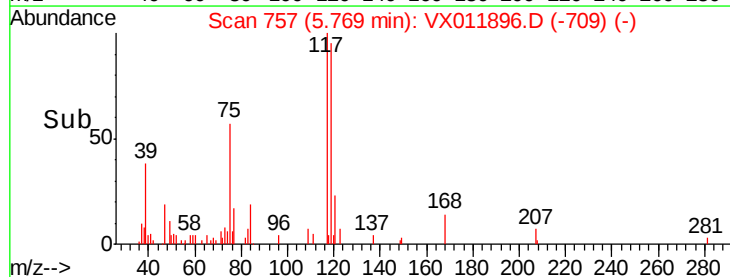
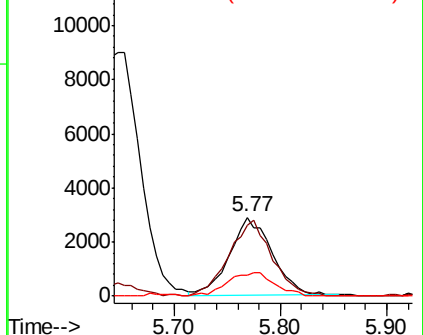


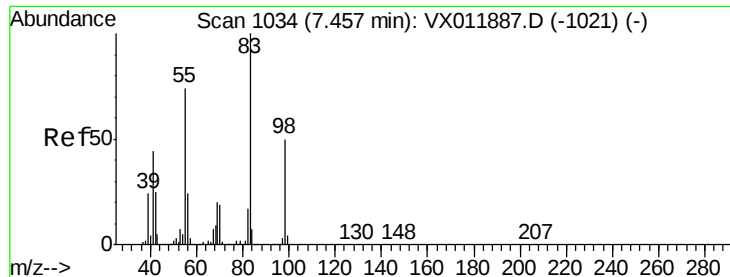
#38
Carbon Tetrachloride
Concen: 1.909 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 117 Resp: 7960
Ion Ratio Lower Upper
117 100
119 91.3 76.6 114.8
121 26.4 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

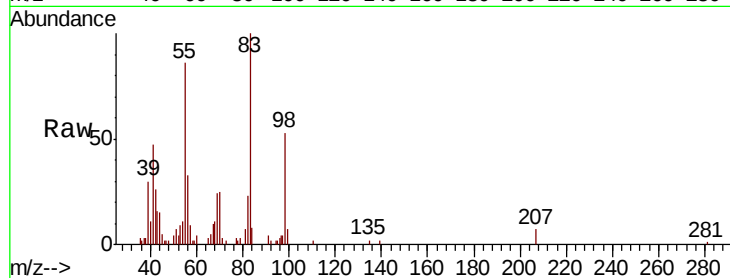




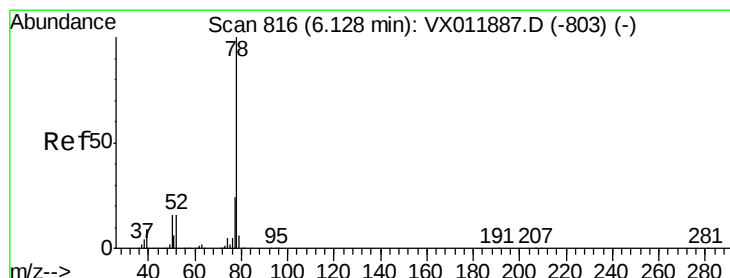
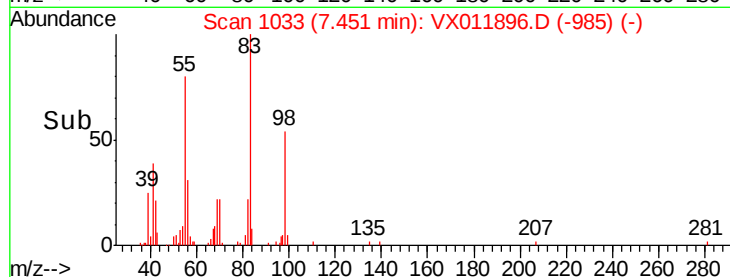
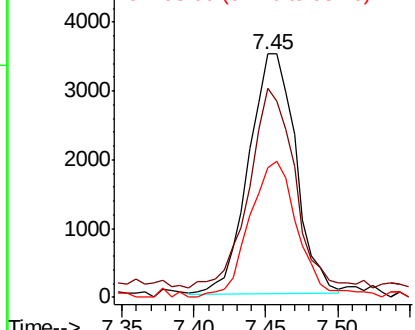
#39
Methylcyclohexane
Concen: 1.846 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 7903
Ion Ratio Lower Upper
83 100
55 83.9 59.4 89.0
98 54.1 40.3 60.5

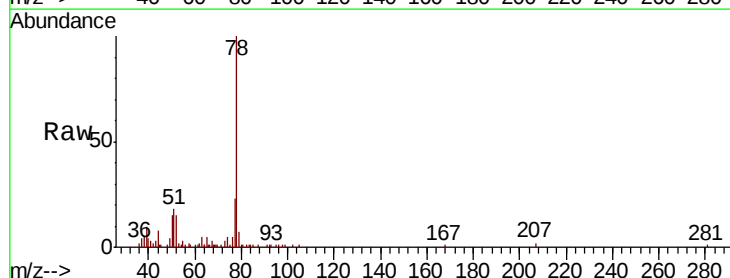


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

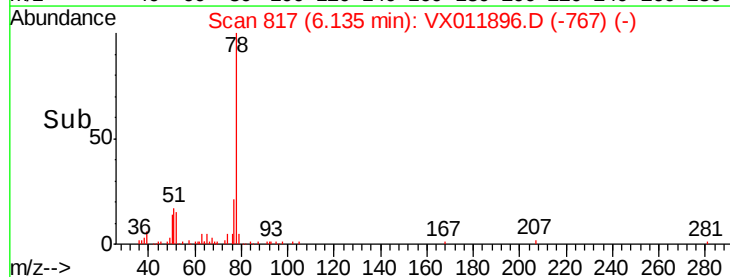
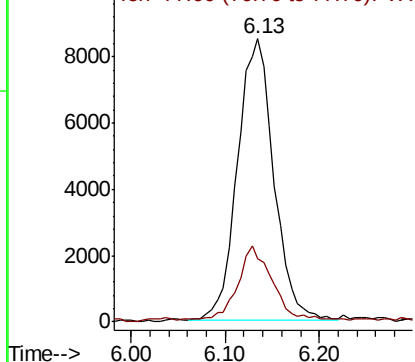


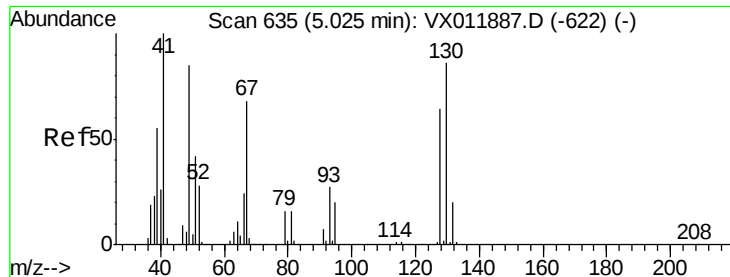
#40
Benzene
Concen: 2.122 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 78 Resp: 22769
Ion Ratio Lower Upper
78 100
77 21.8 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: 2.051 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tgt Ion: 41 Resp: 2570

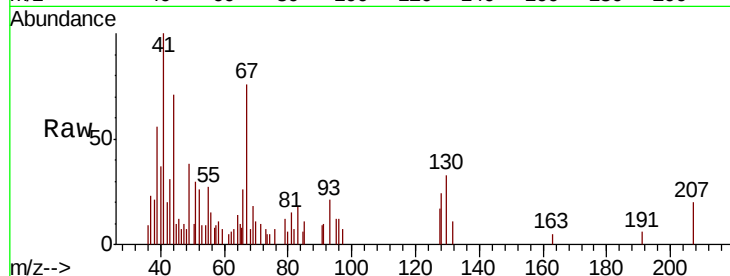
Ion Ratio Lower Upper

41 100

39 58.9 45.0 67.6

67 70.4 55.0 82.4

52 38.0 24.1 36.1#

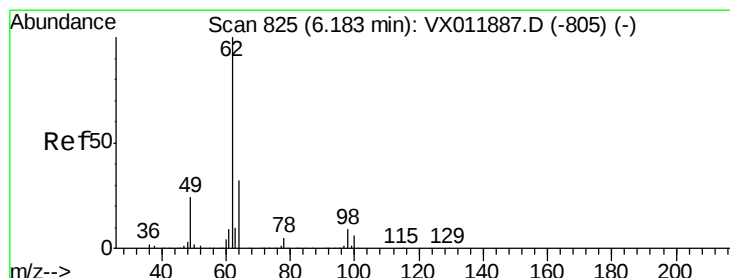
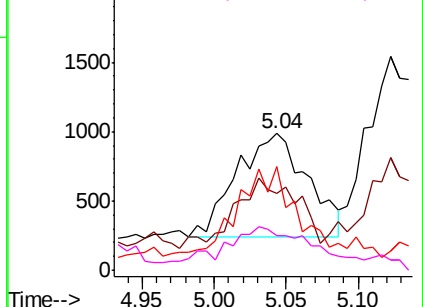
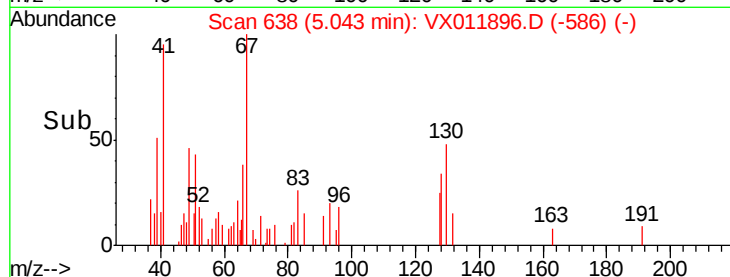


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 2.377 ug/l

RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011896.D

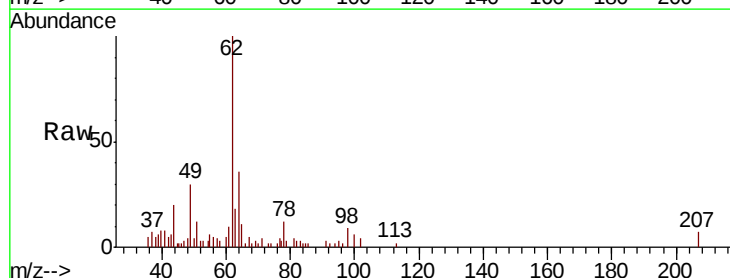
Acq: 30 Aug 2019 03:34

Tgt Ion: 62 Resp: 8672

Ion Ratio Lower Upper

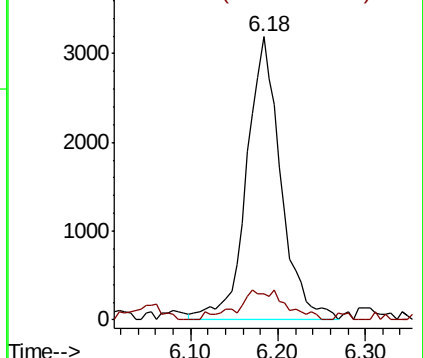
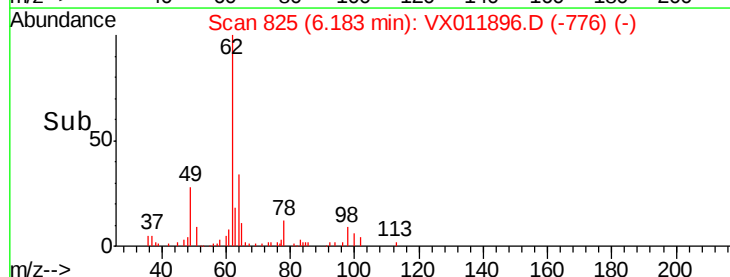
62 100

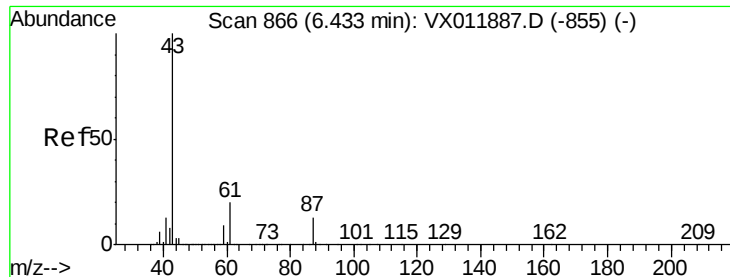
98 14.8 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.263 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

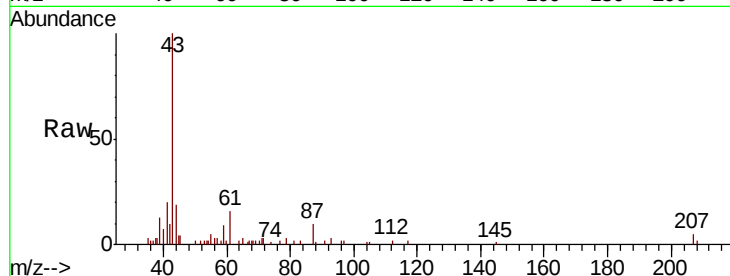
Tgt Ion: 43 Resp: 9762

Ion Ratio Lower Upper

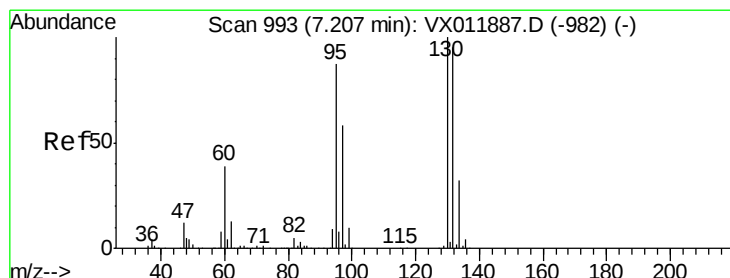
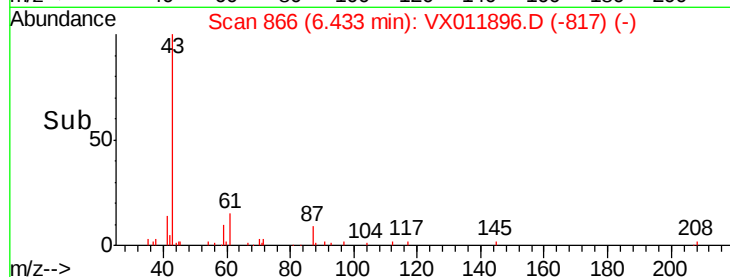
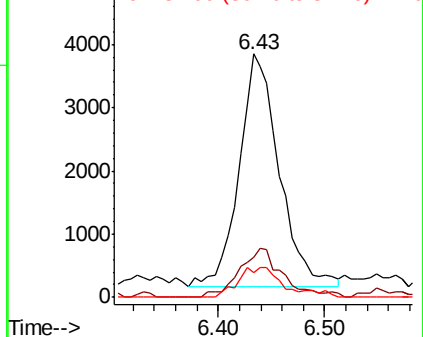
43 100

61 22.6 16.1 24.1

87 14.6 10.6 16.0



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



#44

Trichloroethene

Concen: 2.127 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011896.D

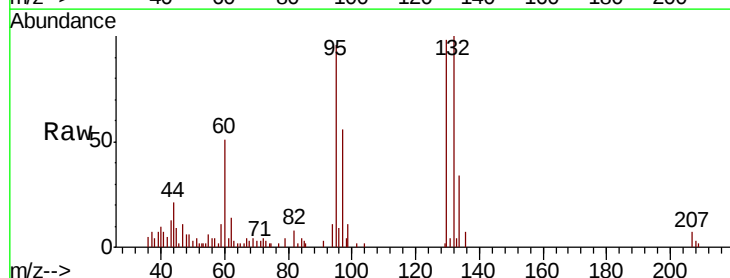
Acq: 30 Aug 2019 03:34

Tgt Ion: 130 Resp: 7062

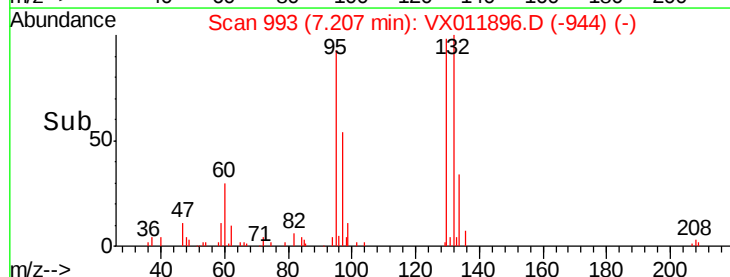
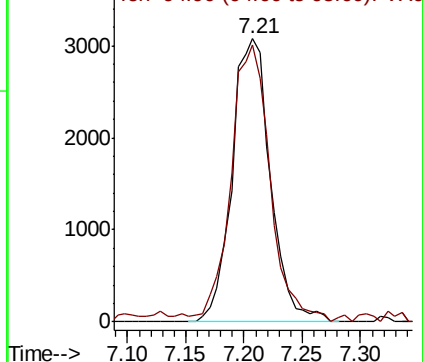
Ion Ratio Lower Upper

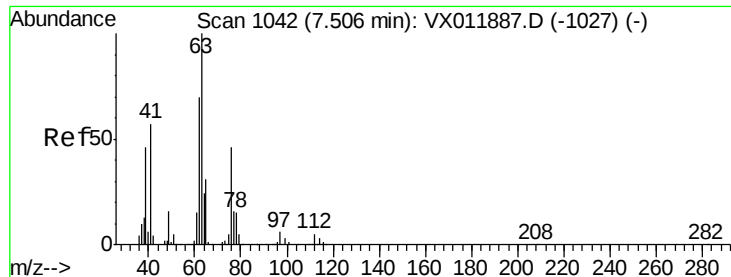
130 100

95 96.0 0.0 174.6



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

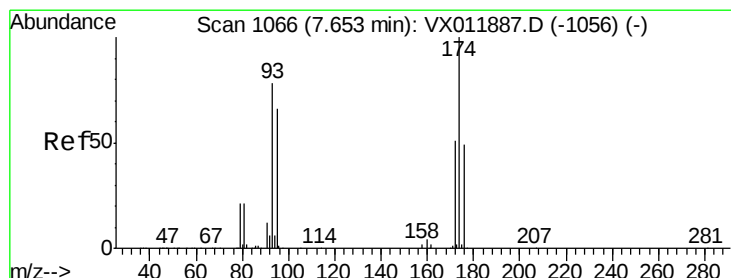
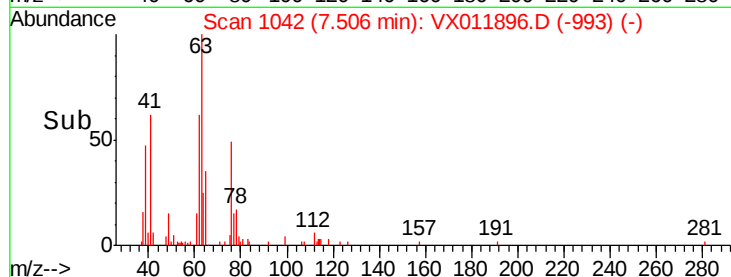
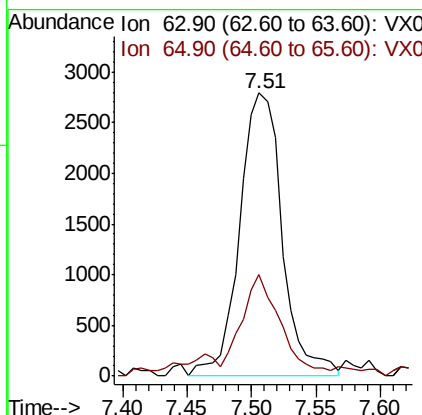
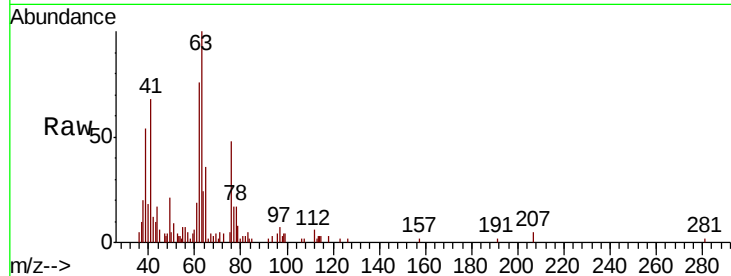




#45
 1,2-Dichloropropane
 Concen: 2.279 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

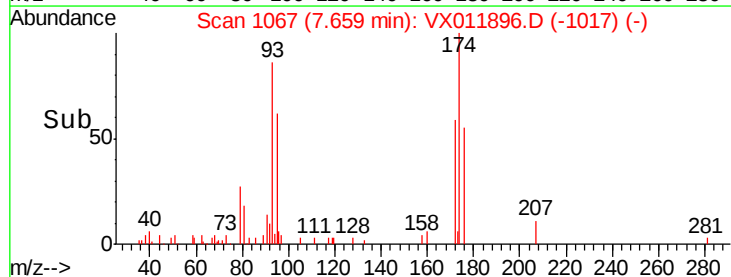
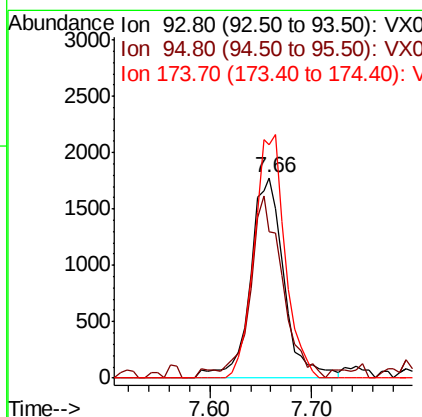
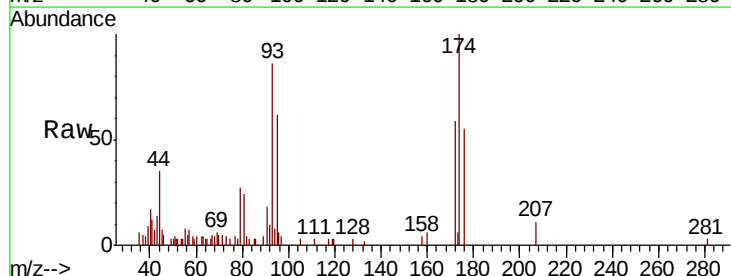
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

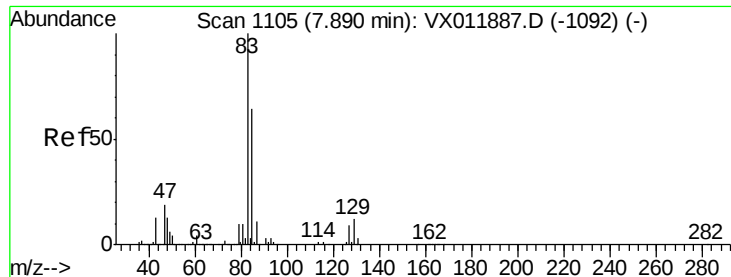
Tgt Ion: 63 Resp: 6396
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.1 37.7



#46
 Dibromomethane
 Concen: 2.457 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion: 93 Resp: 4093
 Ion Ratio Lower Upper
 93 100
 95 85.2 65.7 98.5
 174 111.5 104.2 156.4





#47

Bromodichloromethane

Concen: 2.214 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

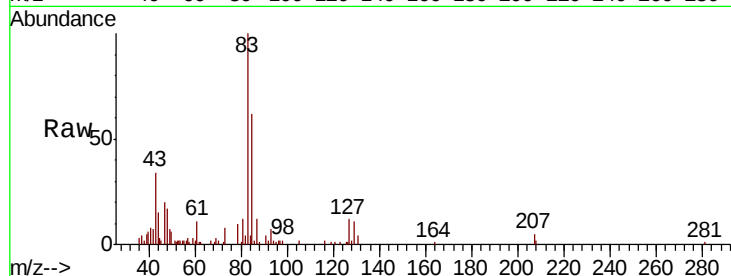
Tgt Ion: 83 Resp: 9145

Ion Ratio Lower Upper

83 100

85 60.6 51.1 76.7

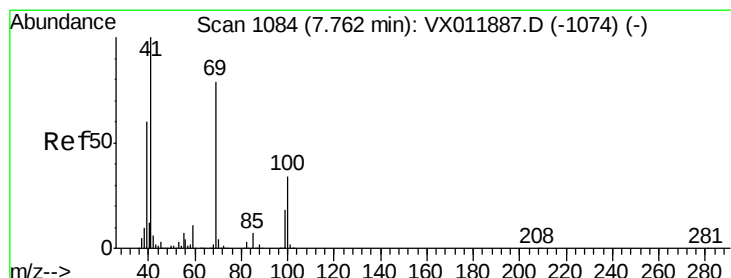
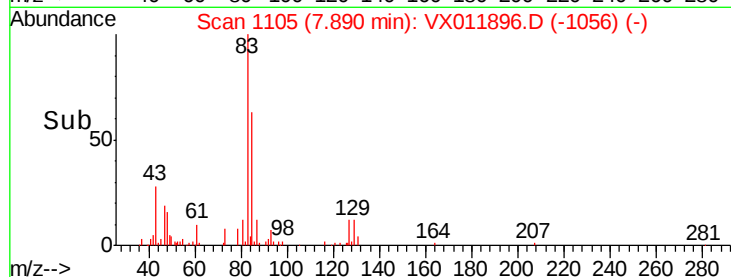
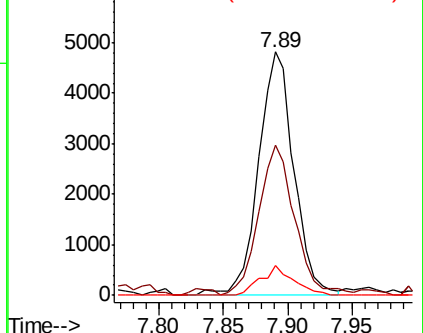
127 12.0 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.152 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

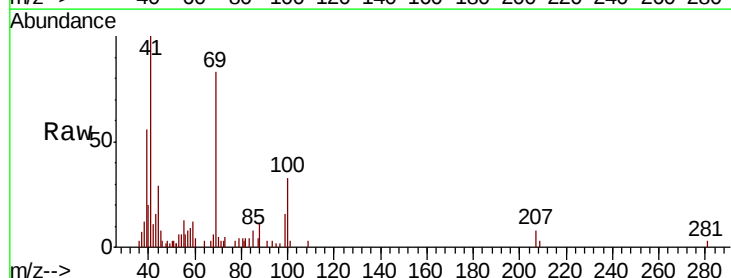
Tgt Ion: 41 Resp: 4517

Ion Ratio Lower Upper

41 100

69 87.4 64.4 96.6

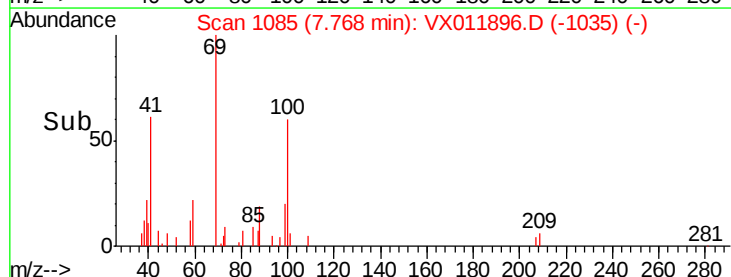
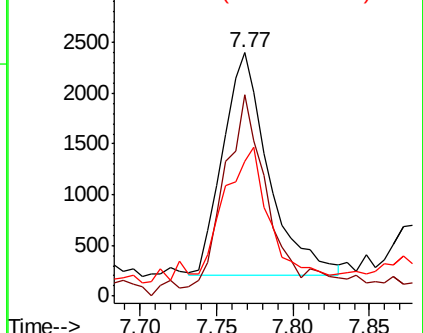
39 54.2 47.2 70.8

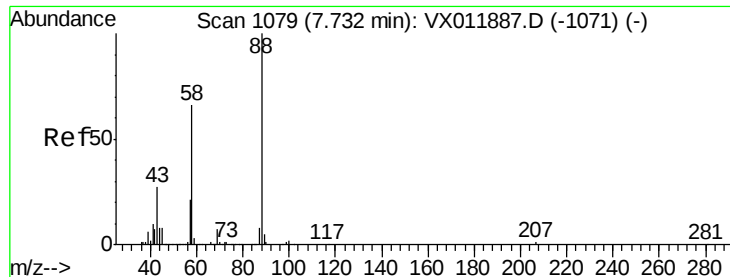


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 52.870 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampled :

MDL03

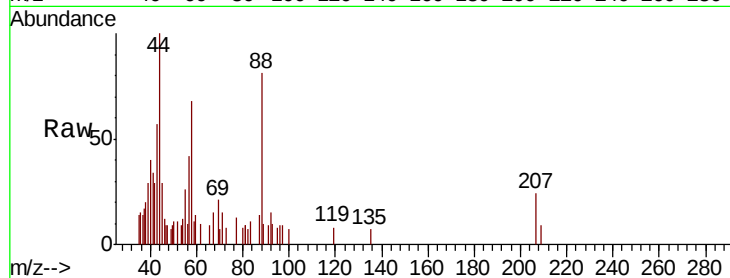
Tgt Ion: 88 Resp: 1526

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

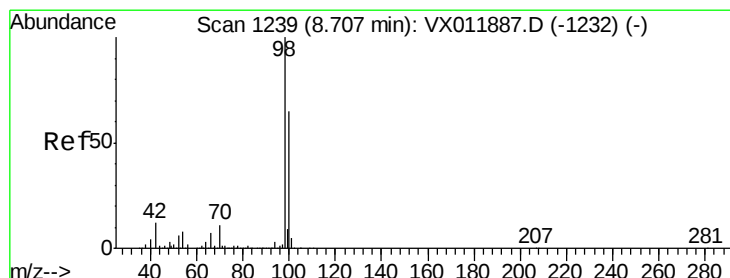
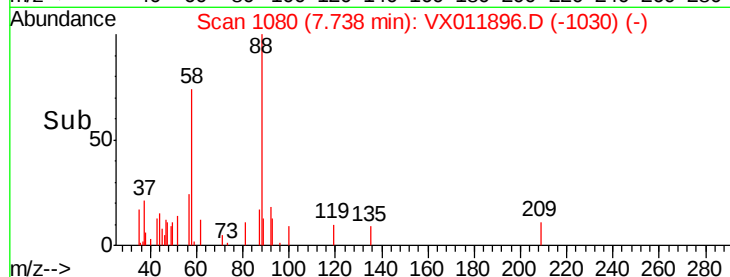
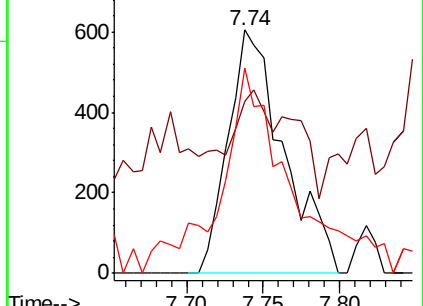
58 107.5 53.9 80.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.559 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VX011896.D

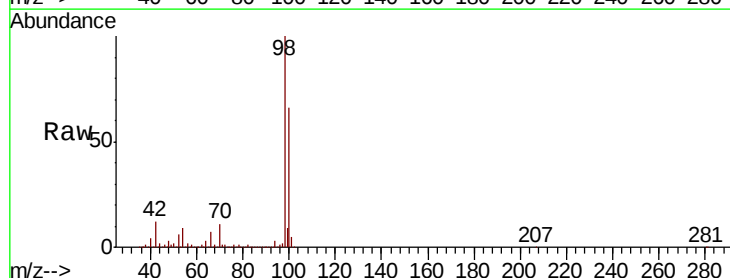
Acq: 30 Aug 2019 03:34

Tgt Ion: 98 Resp: 536213

Ion Ratio Lower Upper

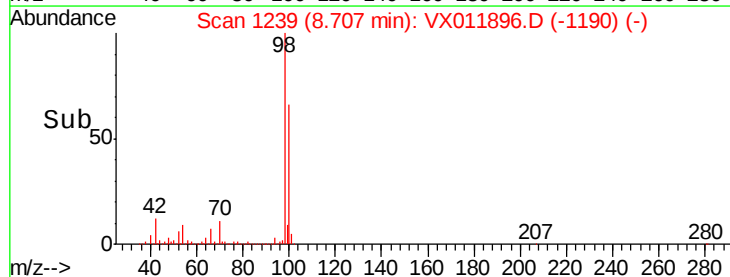
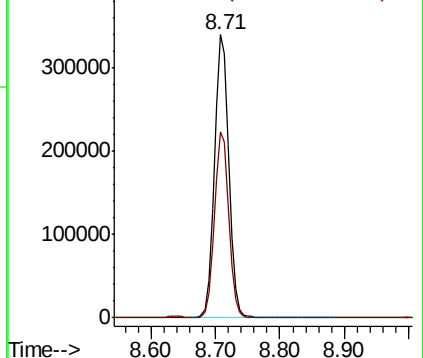
98 100

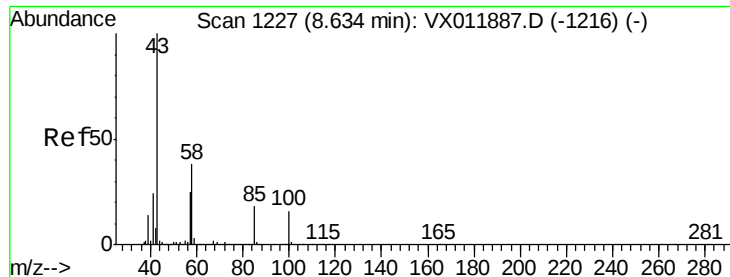
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

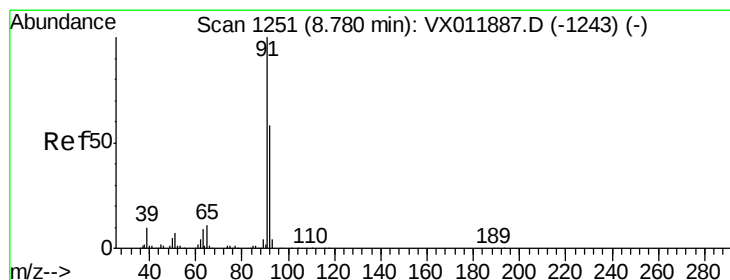
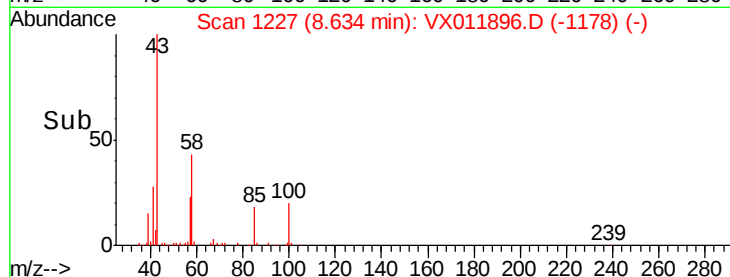
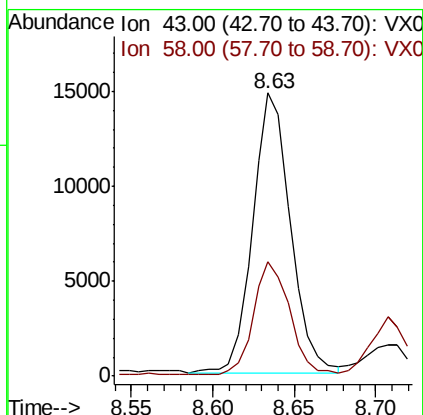
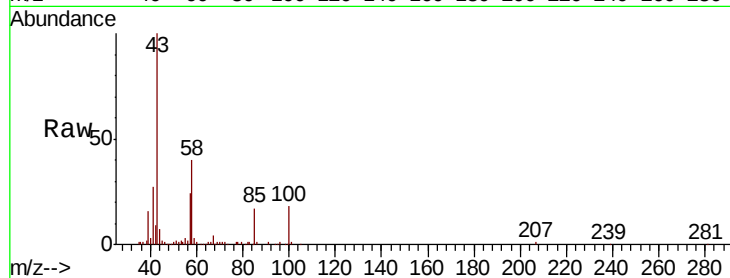




#51
4-Methyl-2-Pentanone
Concen: 10.762 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

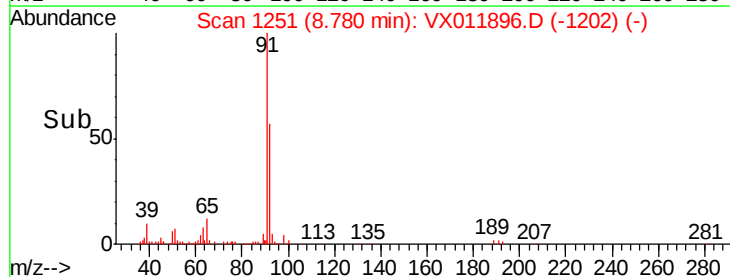
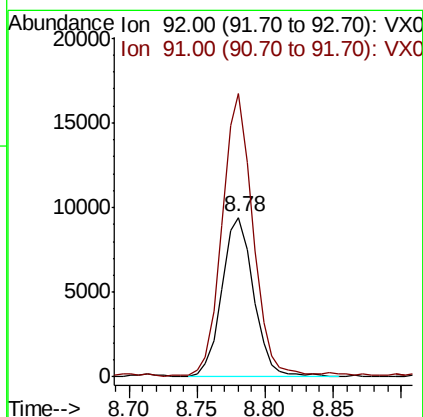
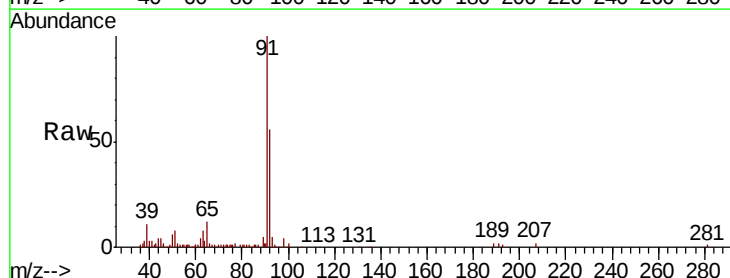
Instrument :
MSVOA_X
ClientSampleId :
MDL03

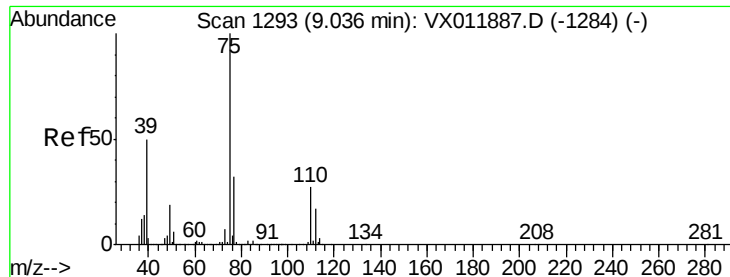
Tgt Ion: 43 Resp: 23584
Ion Ratio Lower Upper
43 100
58 39.1 30.9 46.3



#52
Toluene
Concen: 2.164 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 92 Resp: 15359
Ion Ratio Lower Upper
92 100
91 169.5 136.8 205.2

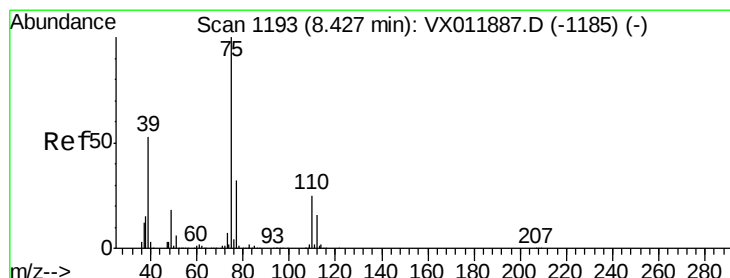
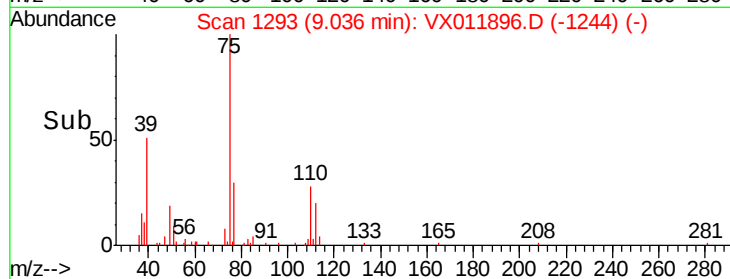
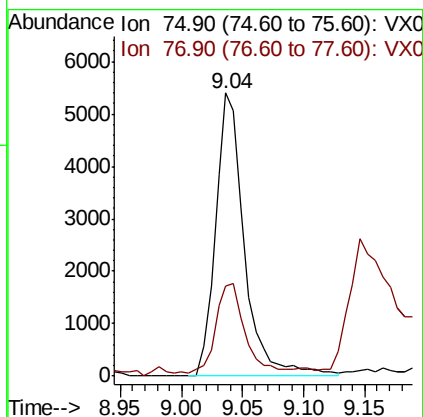
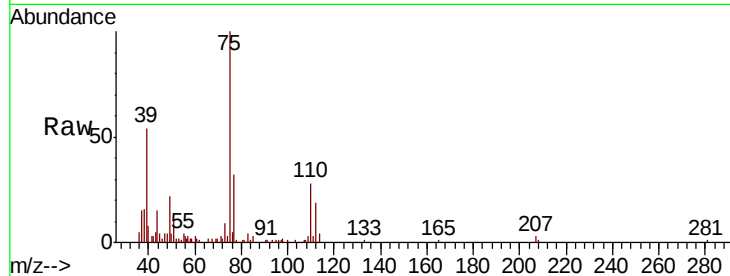




#53
t-1,3-Dichloropropene
Concen: 2.088 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

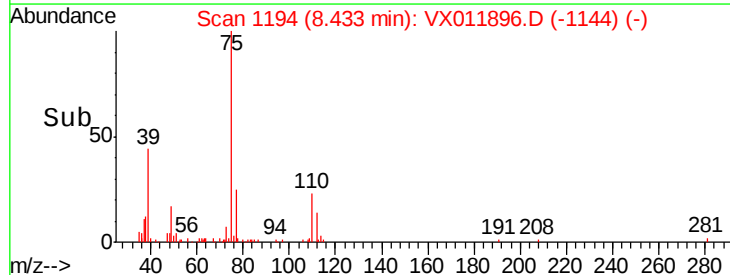
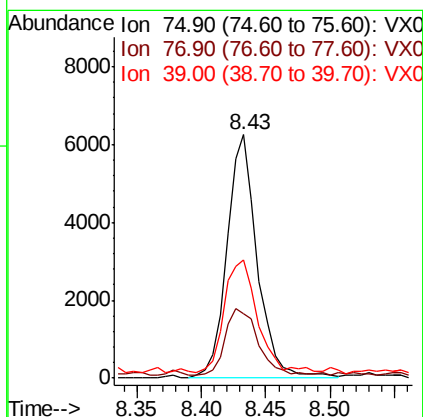
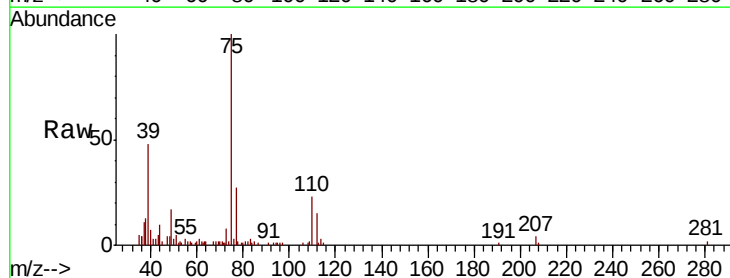
Instrument :
MSVOA_X
ClientSampled :
MDL03

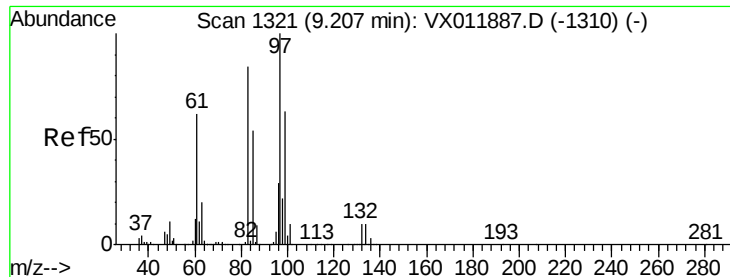
Tgt Ion: 75 Resp: 8833
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 2.175 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 75 Resp: 10330
Ion Ratio Lower Upper
75 100
77 25.2 25.5 38.3#
39 45.7 42.6 64.0

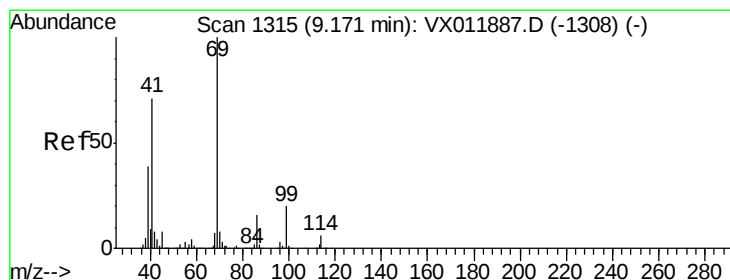
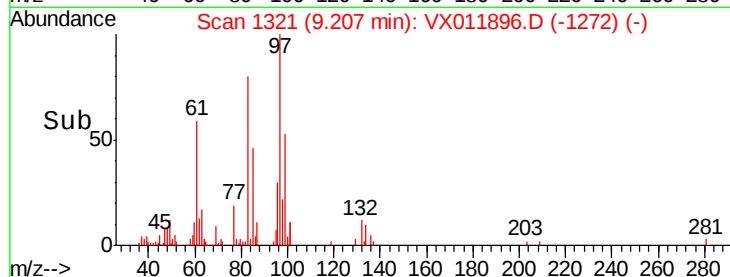
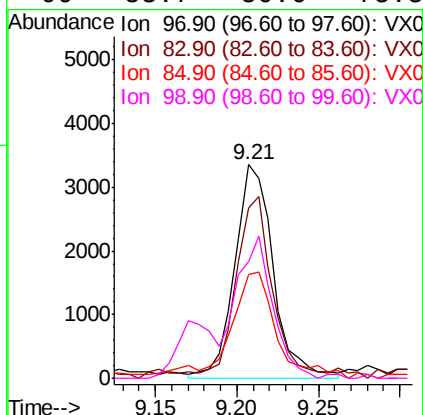
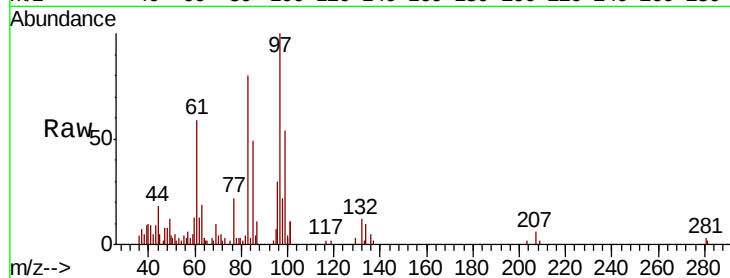




#55
 1,1,2-Trichloroethane
 Concen: 2.275 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

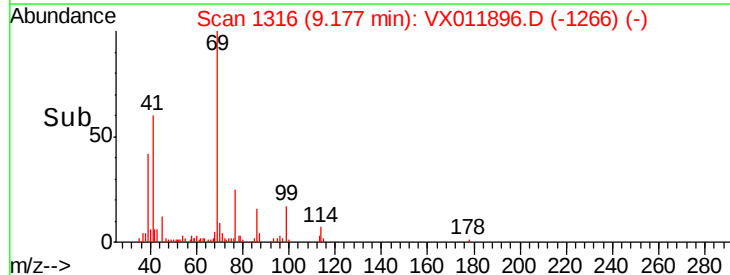
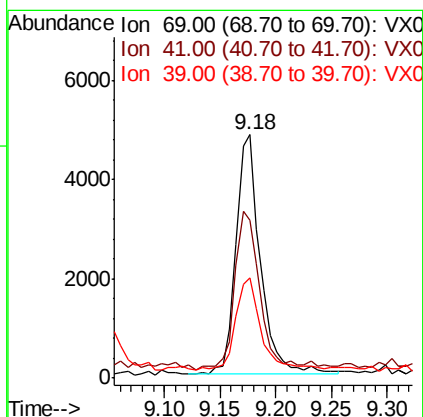
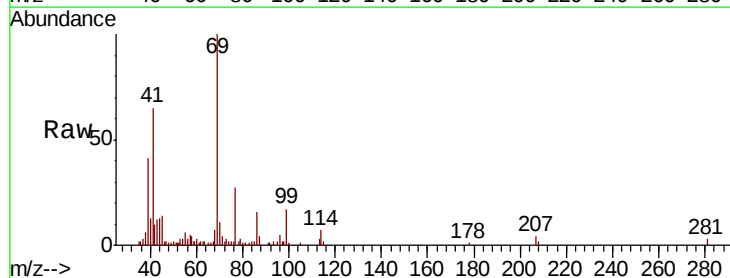
Instrument :
 MSVOA_X
 ClientSampled :
 MDL03

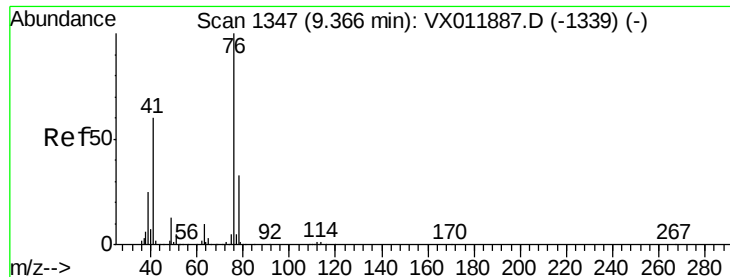
Tgt Ion: 97 Resp: 5547
 Ion Ratio Lower Upper
 97 100
 83 78.4 66.8 100.2
 85 46.2 43.5 65.3
 99 53.7 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 2.184 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion: 69 Resp: 7390
 Ion Ratio Lower Upper
 69 100
 41 67.4 55.8 83.8
 39 39.3 31.1 46.7





#57

1,3-Dichloropropane

Concen: 2.164 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

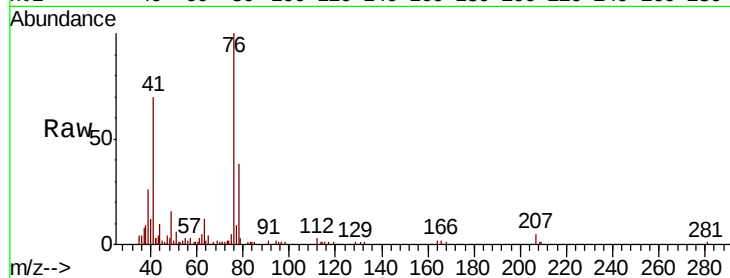
MDL03

Tgt Ion: 76 Resp: 8757

Ion Ratio Lower Upper

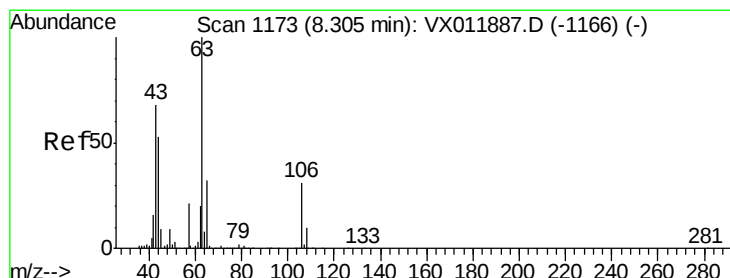
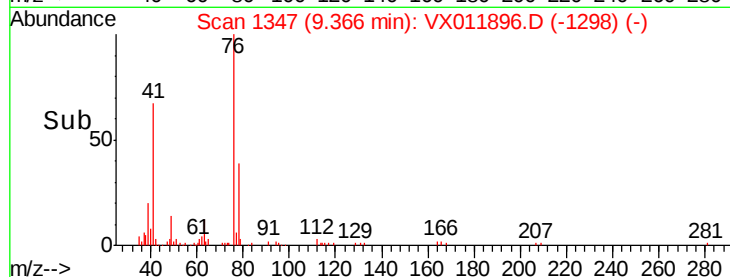
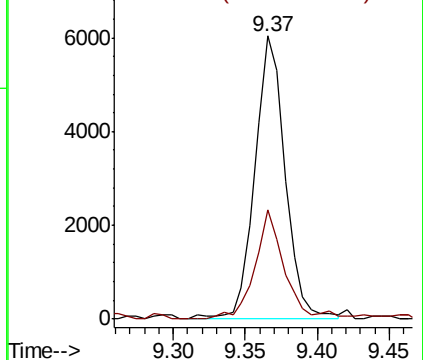
76 100

78 37.8 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: 14.004 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011896.D

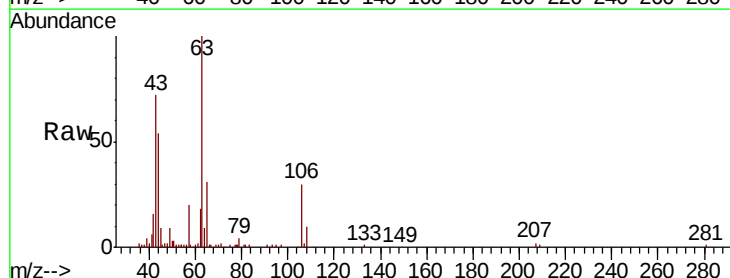
Acq: 30 Aug 2019 03:34

Tgt Ion: 63 Resp: 22573

Ion Ratio Lower Upper

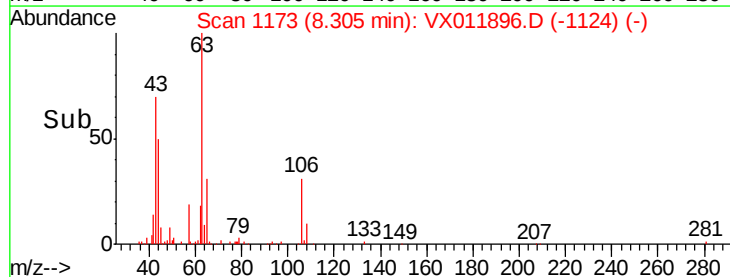
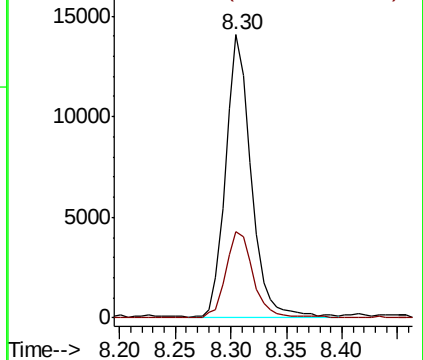
63 100

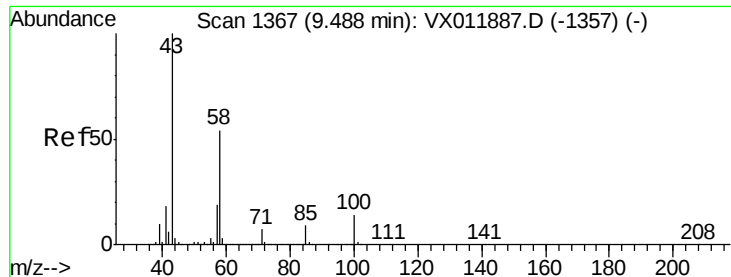
106 32.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

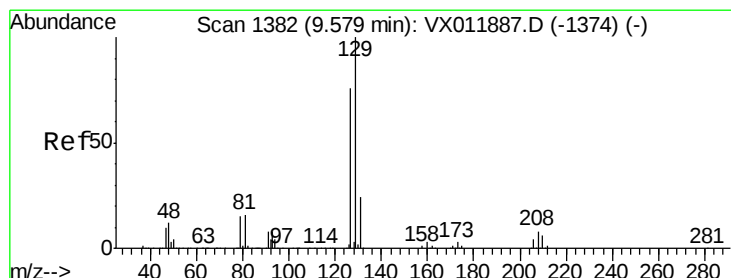
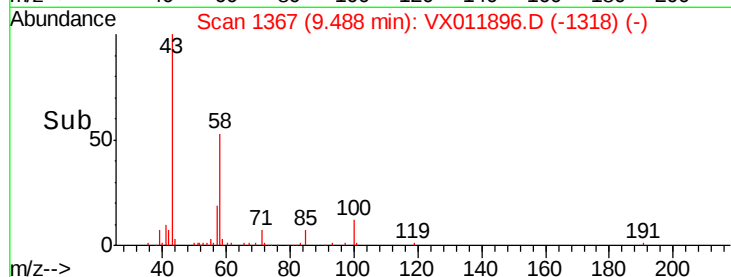
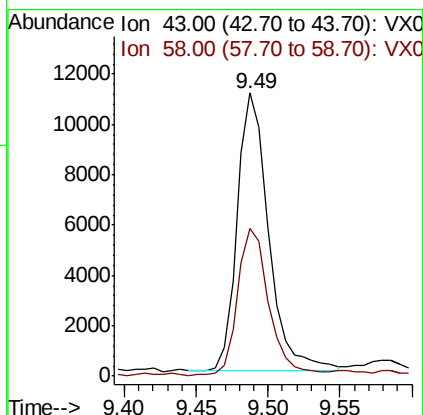
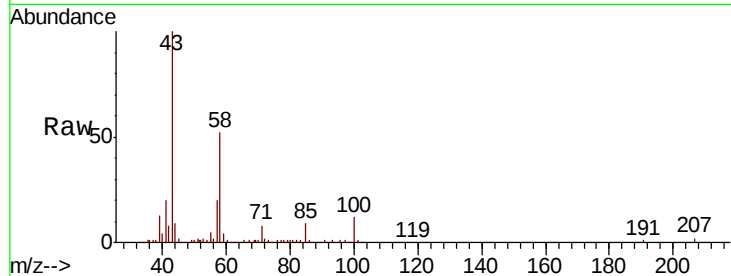




#59
2-Hexanone
Concen: 10.772 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

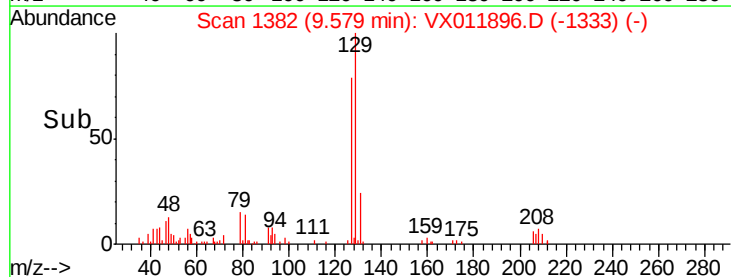
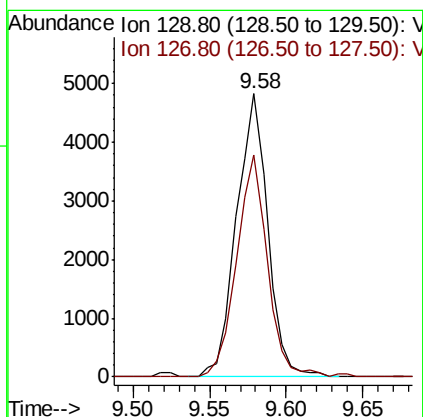
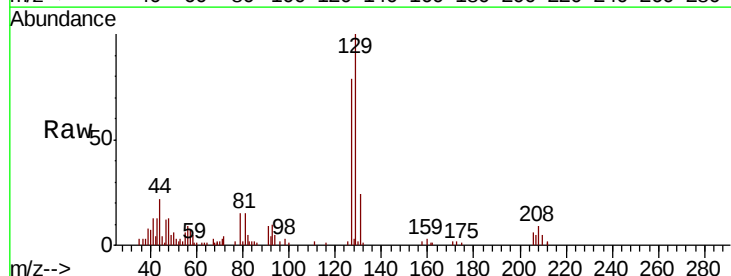
Instrument :
MSVOA_X
ClientSampleId :
MDL03

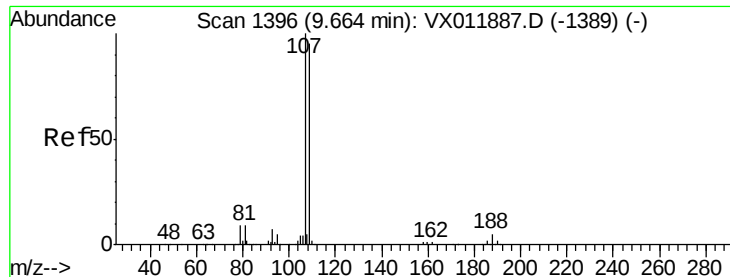
Tgt Ion: 43 Resp: 16768
Ion Ratio Lower Upper
43 100
58 53.9 26.8 80.4



#60
Dibromochloromethane
Concen: 2.082 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 129 Resp: 6819
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 2.160 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

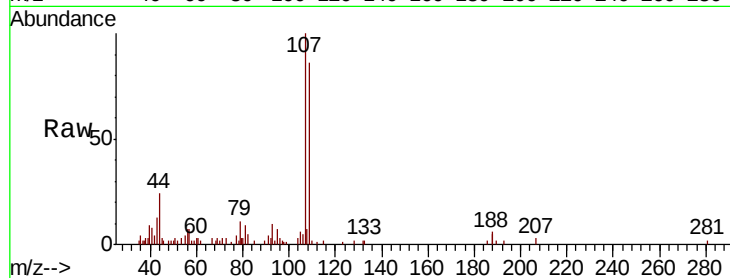
MDL03

Tgt Ion: 107 Resp: 5222

Ion Ratio Lower Upper

107 100

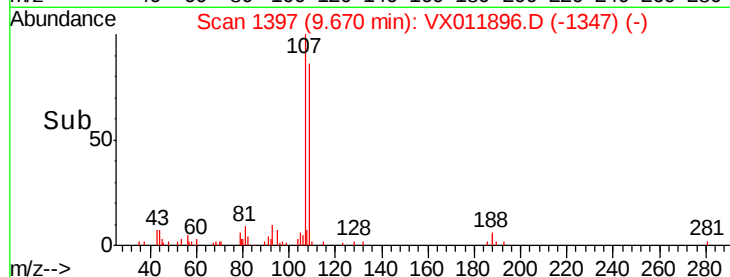
109 90.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



4000

3000

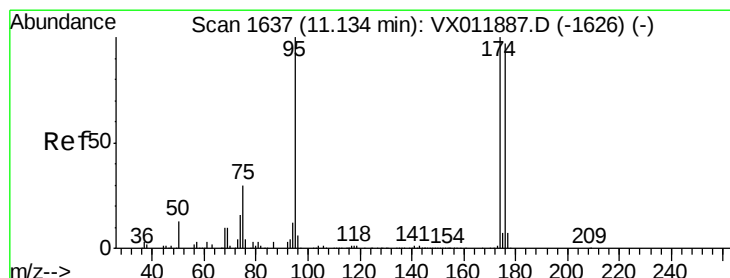
2000

1000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 48.828 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

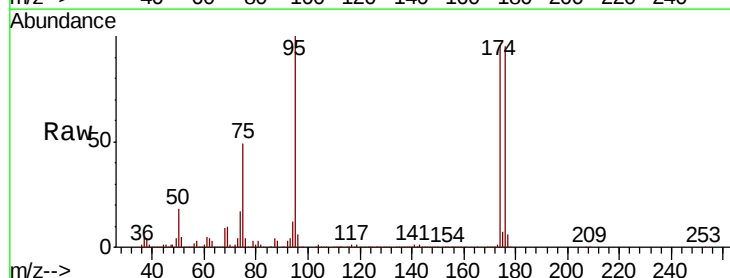
Tgt Ion: 95 Resp: 222761

Ion Ratio Lower Upper

95 100

174 97.0 0.0 196.0

176 94.7 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

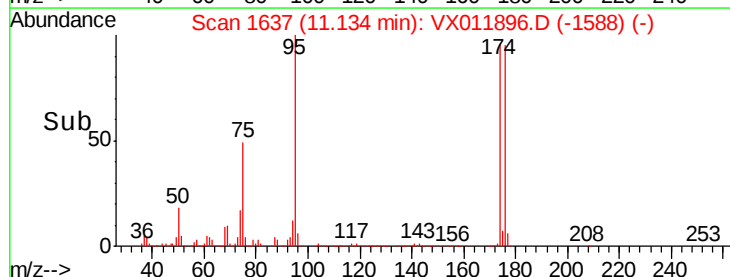
100000

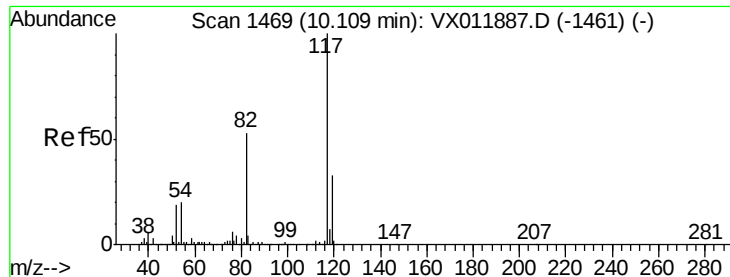
50000

0

11.10 11.20

Time-->

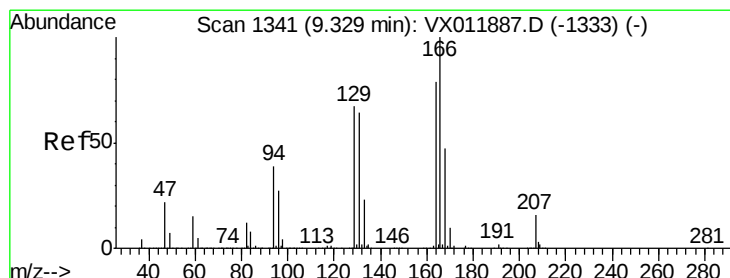
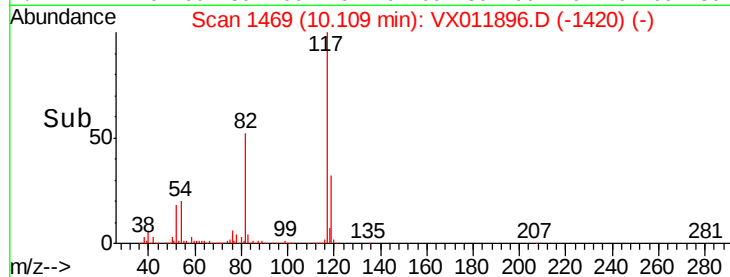
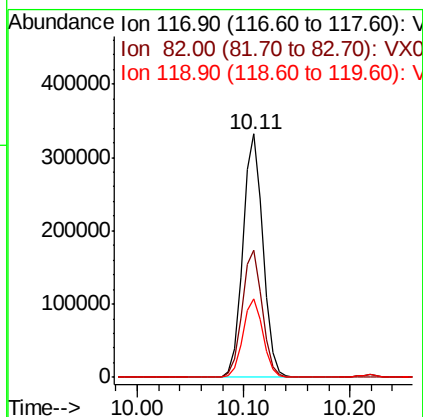
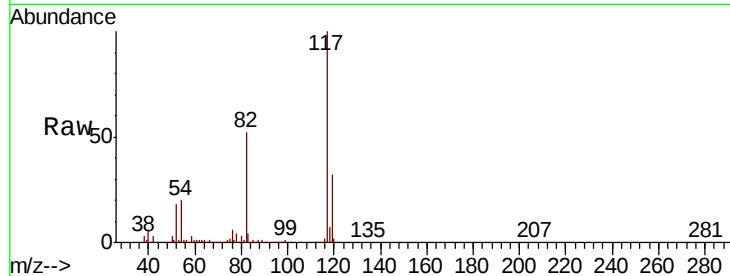




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

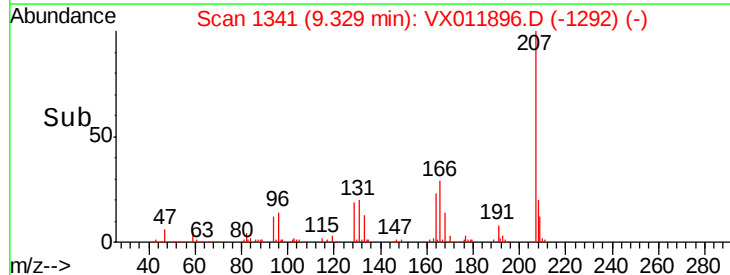
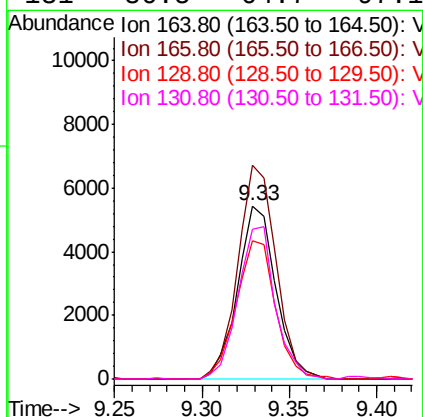
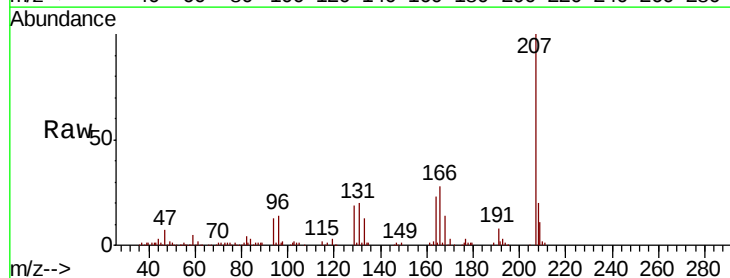
Instrument :
MSVOA_X
ClientSampled :
MDL03

Tgt Ion:117 Resp: 439693
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 2.337 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion:164 Resp: 8264
Ion Ratio Lower Upper
164 100
166 123.6 101.4 152.0
129 80.3 68.0 102.0
131 86.5 64.7 97.1

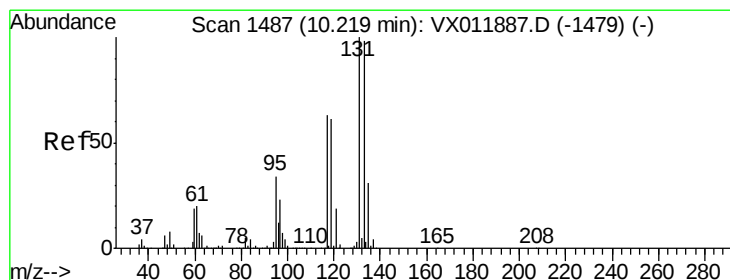
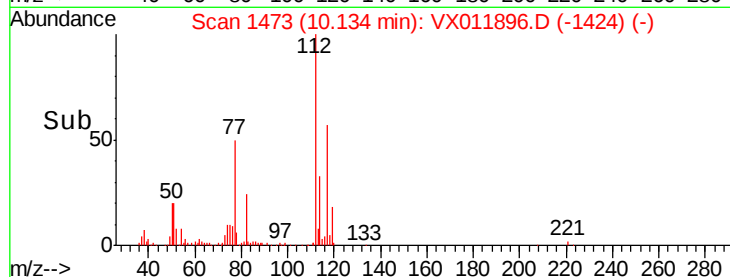
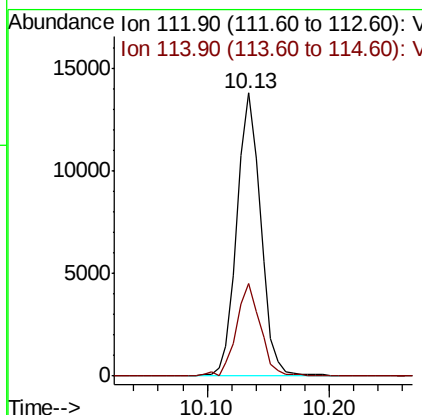
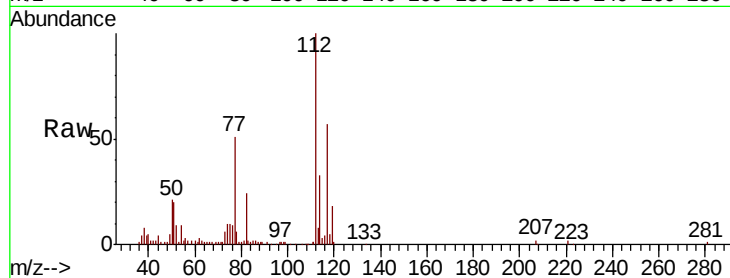




#65
Chlorobenzene
Concen: 2.182 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

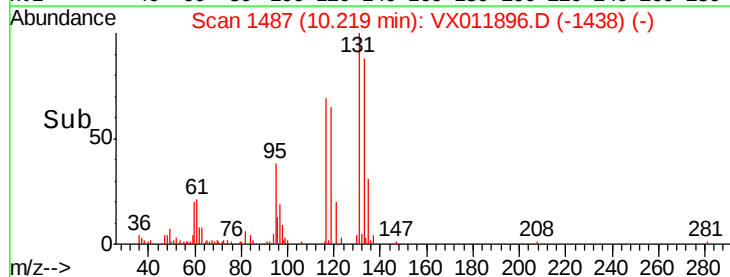
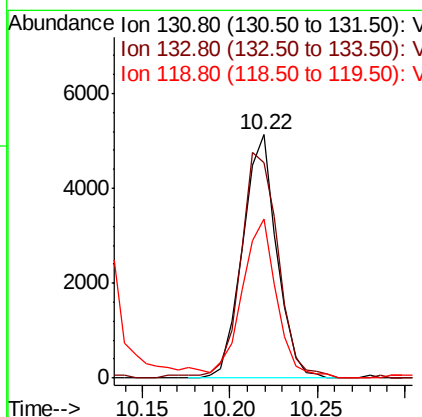
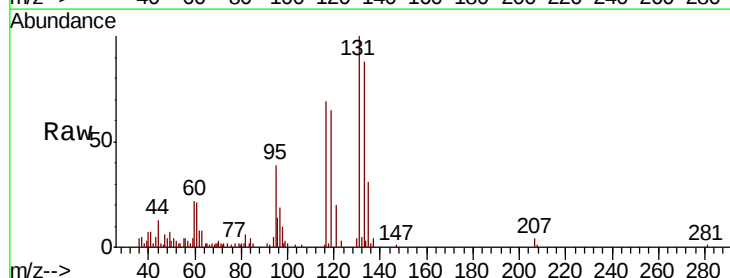
Instrument :
MSVOA_X
ClientSampleId :
MDL03

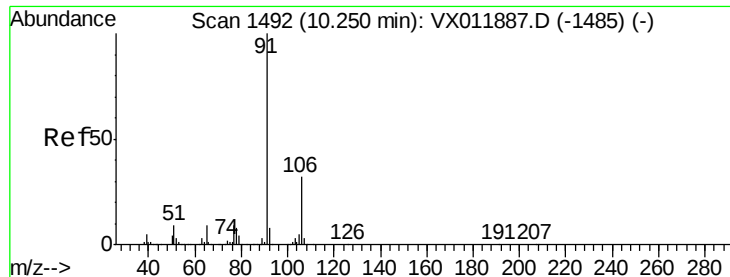
Tgt Ion:112 Resp: 18593
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 2.015 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion:131 Resp: 6942
Ion Ratio Lower Upper
131 100
133 102.9 48.4 145.0
119 66.3 30.6 92.0

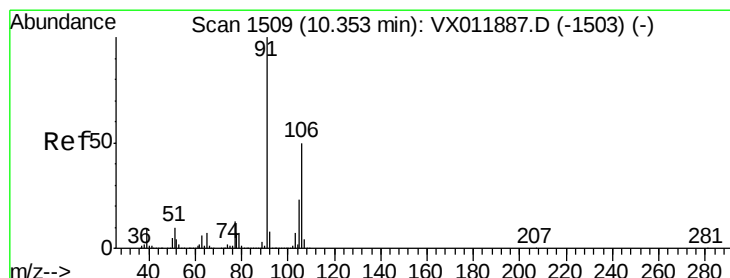
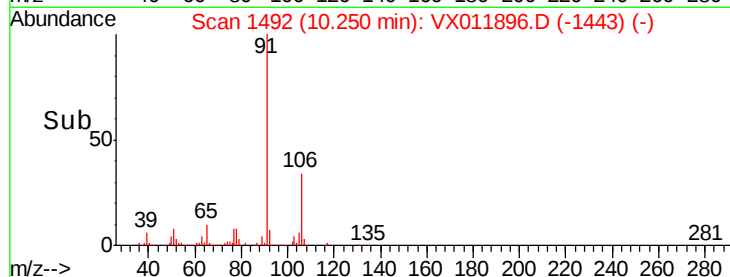
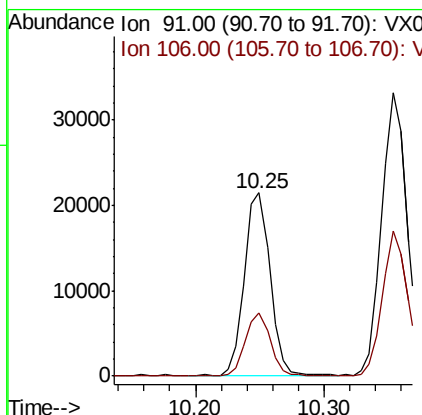
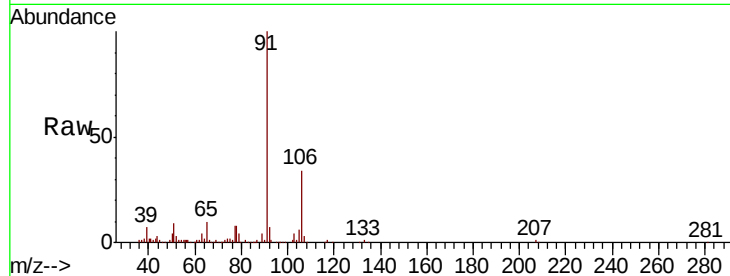




#67
Ethyl Benzene
Concen: 2.060 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

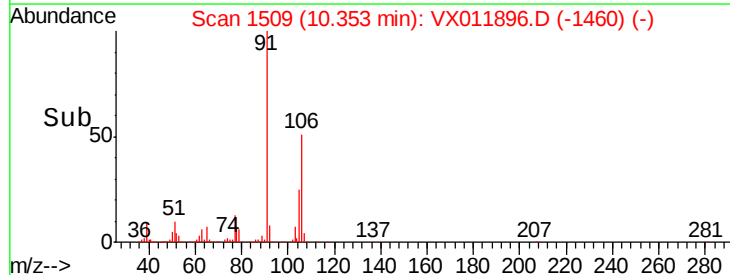
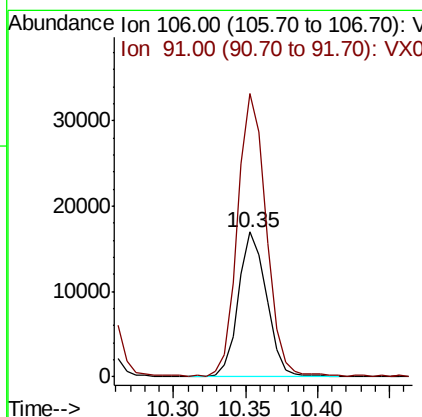
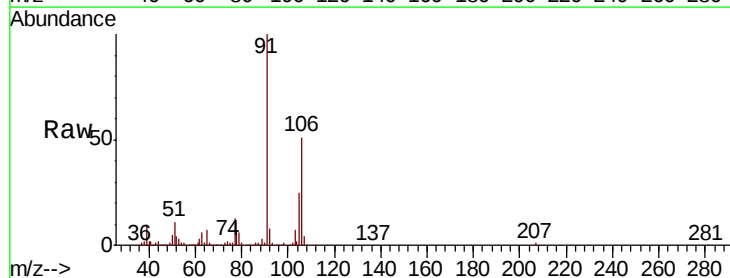
Instrument :
MSVOA_X
ClientSampled :
MDL03

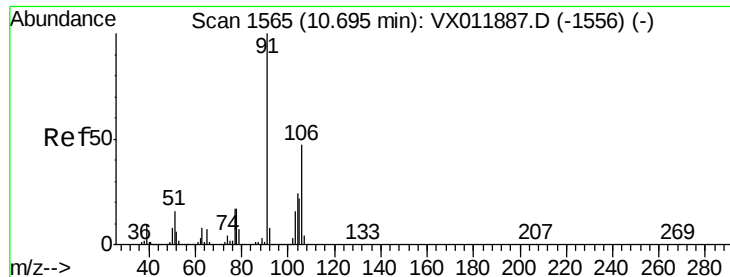
Tgt Ion: 91 Resp: 29853
Ion Ratio Lower Upper
91 100
106 34.2 25.8 38.8



#68
m/p-Xylenes
Concen: 4.171 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 106 Resp: 23345
Ion Ratio Lower Upper
106 100
91 195.8 158.6 237.8

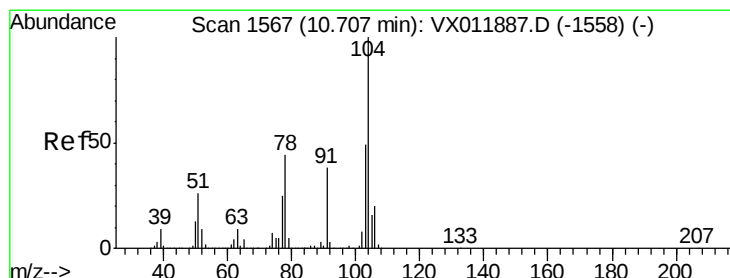
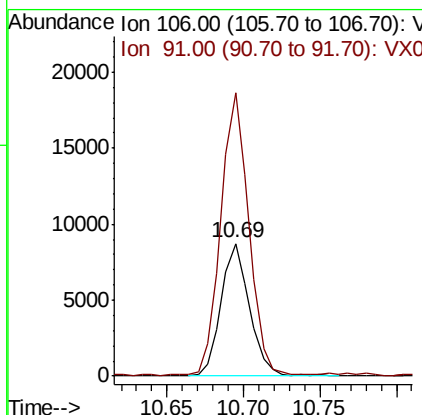
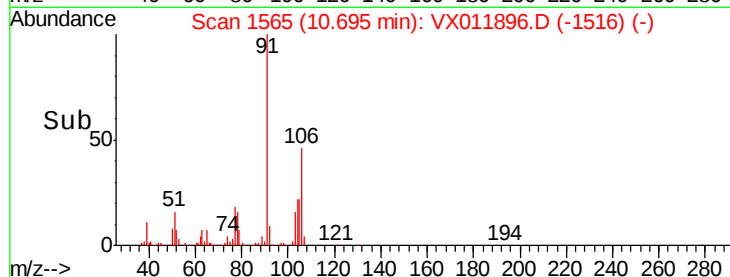
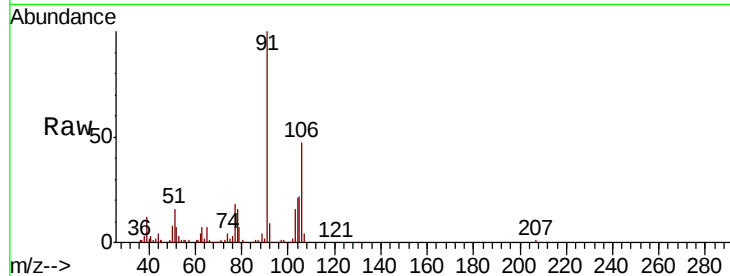




#69
o-Xylene
Concen: 2.074 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

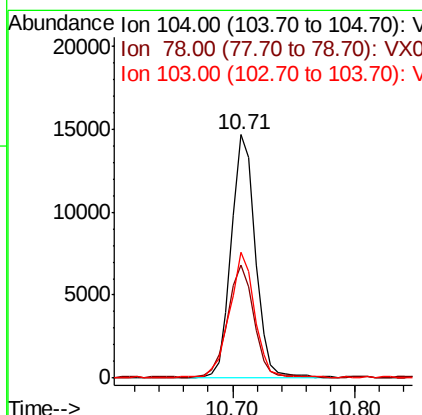
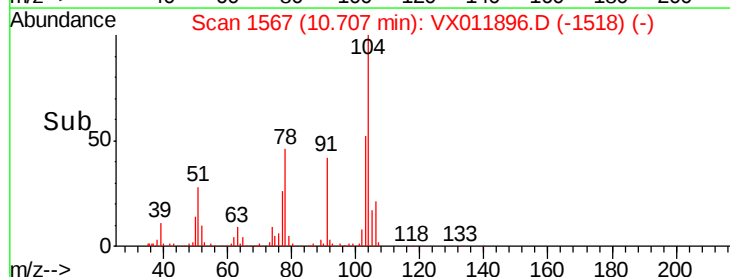
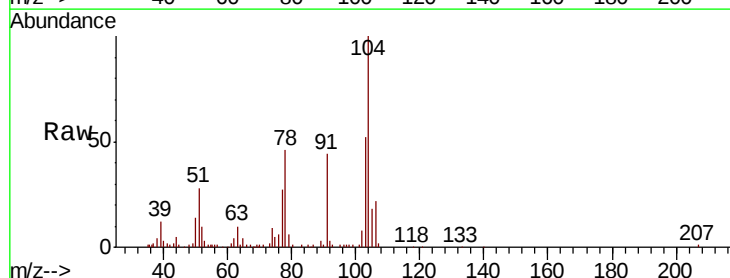
Instrument :
MSVOA_X
ClientSampled :
MDL03

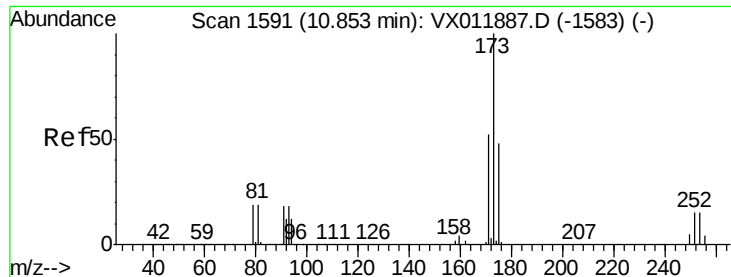
Tgt Ion:106 Resp: 11309
Ion Ratio Lower Upper
106 100
91 208.1 104.8 314.6



#70
Styrene
Concen: 2.083 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion:104 Resp: 20025
Ion Ratio Lower Upper
104 100
78 51.6 39.2 58.8
103 54.9 43.0 64.6





#71

Bromoform

Concen: 2.037 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

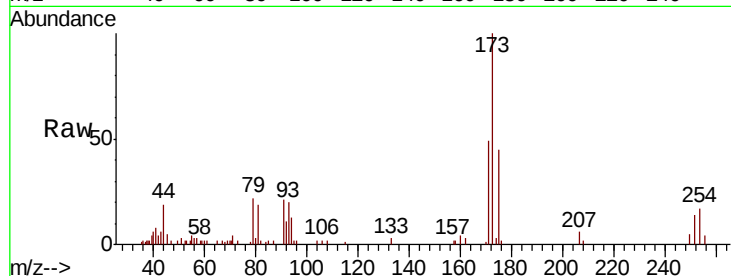
Tgt Ion:173 Resp: 4962

Ion Ratio Lower Upper

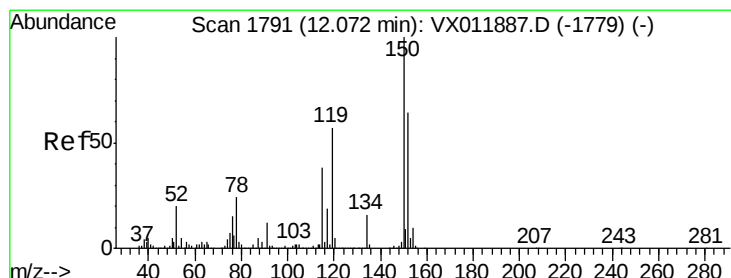
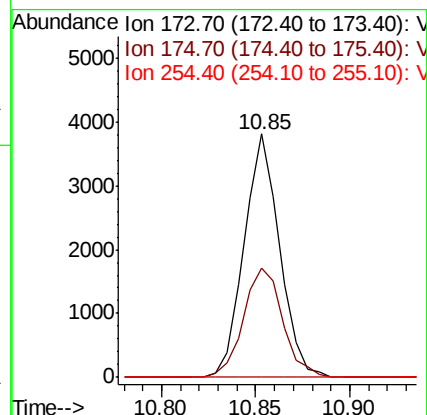
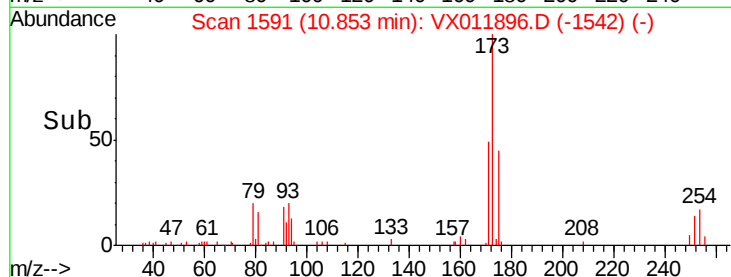
173 100

175 49.9 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

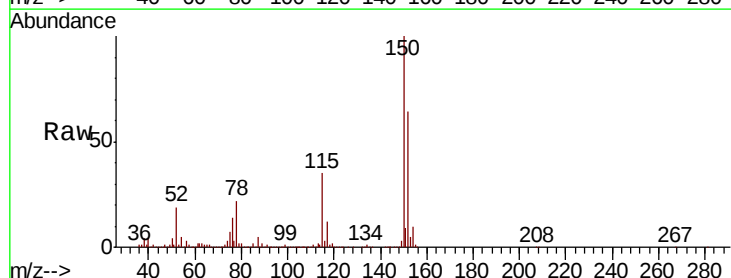
Tgt Ion:152 Resp: 251576

Ion Ratio Lower Upper

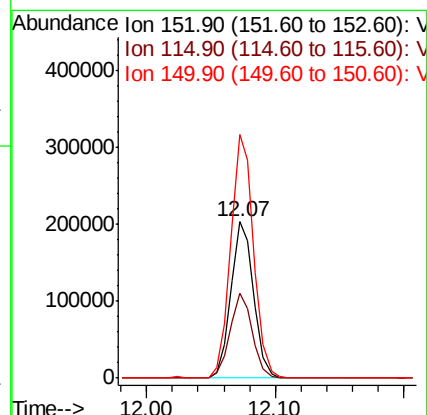
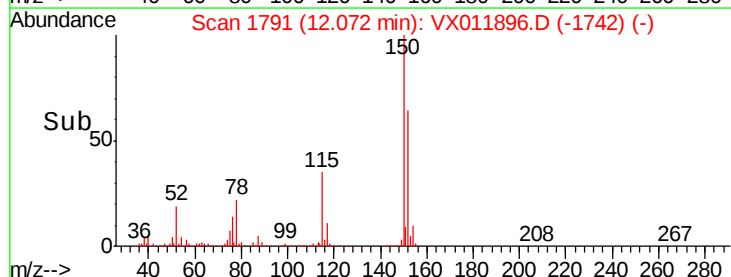
152 100

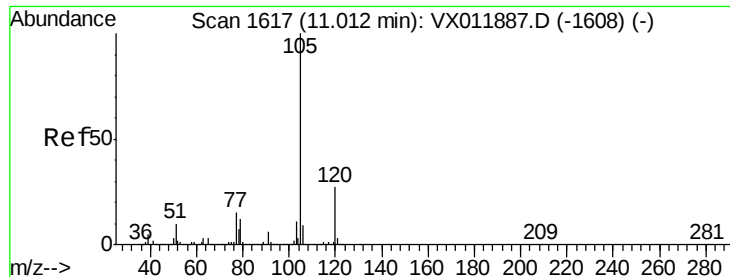
115 53.8 37.1 111.3

150 156.4 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: 1.991 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

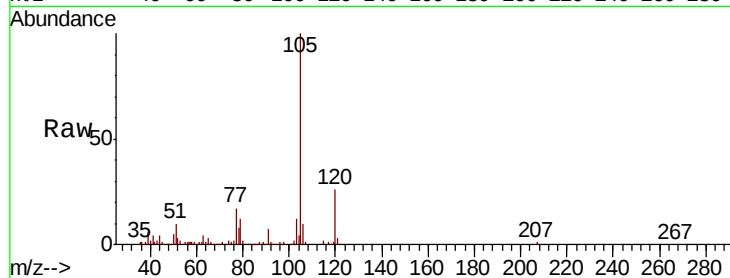
MDL03

Tgt Ion: 105 Resp: 28778

Ion Ratio Lower Upper

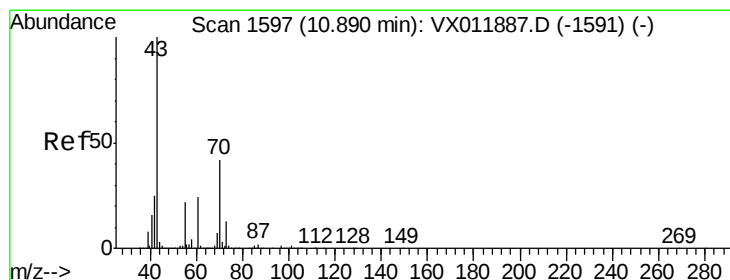
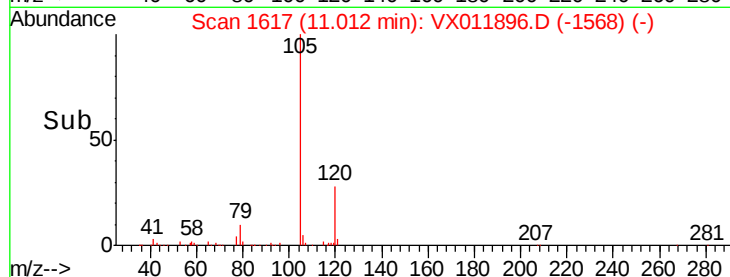
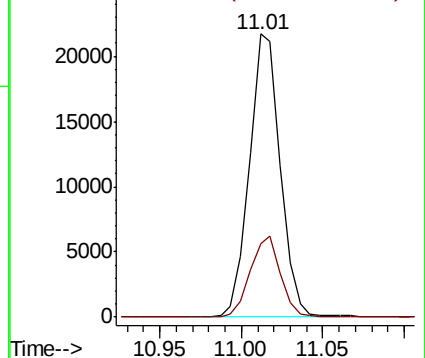
105 100

120 27.8 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: 1.976 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Tgt Ion: 43 Resp: 8475

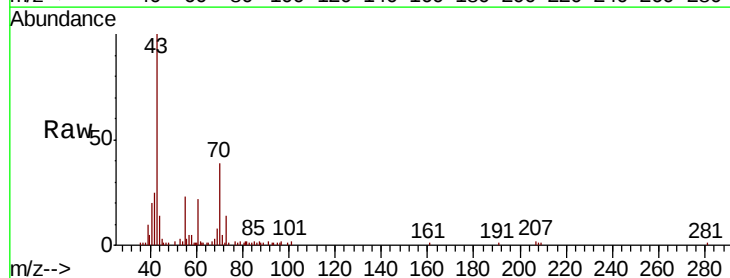
Ion Ratio Lower Upper

43 100

70 45.0 0.2 0.2#

55 23.4 0.1 0.1#

61 27.4 16.4 24.6#

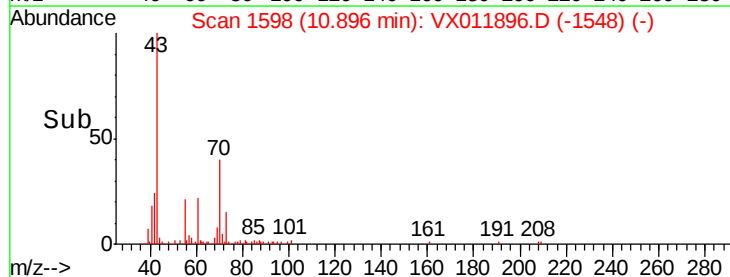
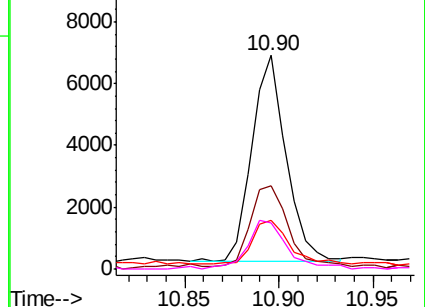


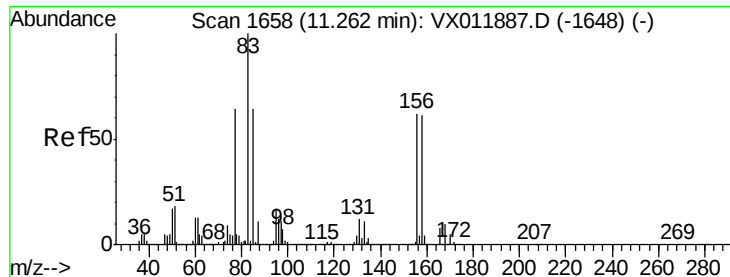
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.277 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

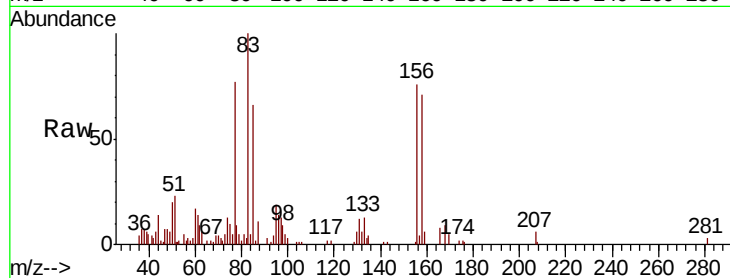
Tgt Ion: 83 Resp: 6737

Ion Ratio Lower Upper

83 100

131 12.1 6.0 18.0

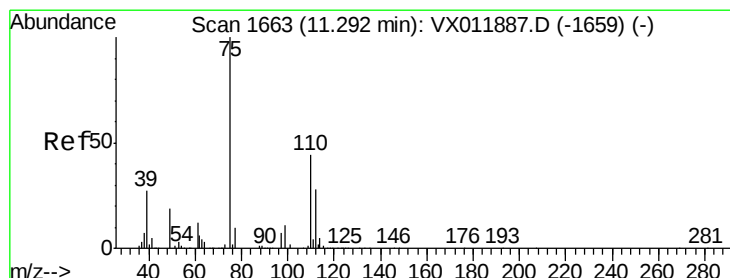
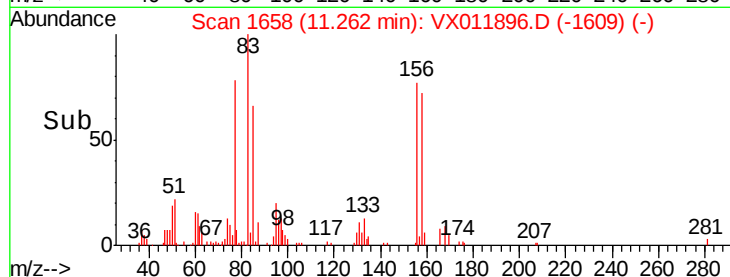
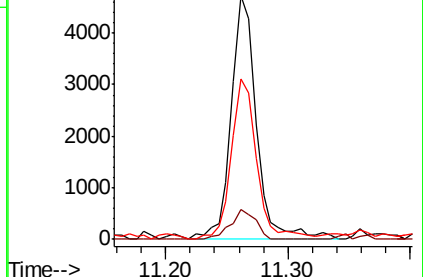
85 66.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 2.519 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011896.D

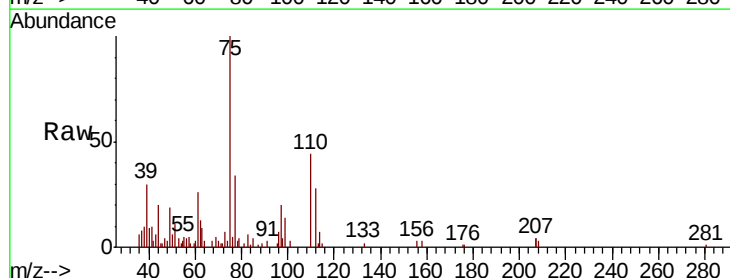
Acq: 30 Aug 2019 03:34

Tgt Ion: 75 Resp: 6235

Ion Ratio Lower Upper

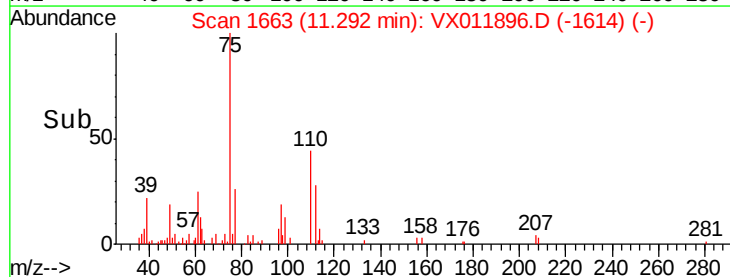
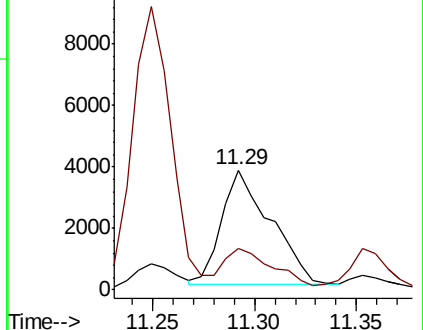
75 100

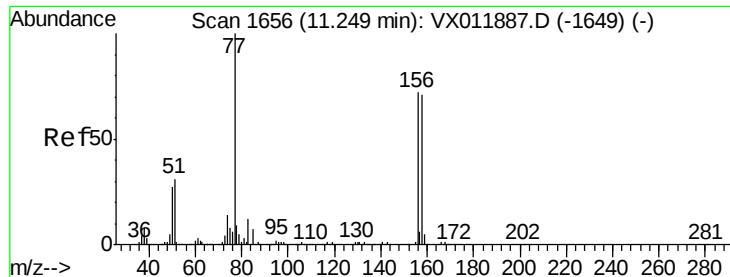
77 33.2 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.238 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

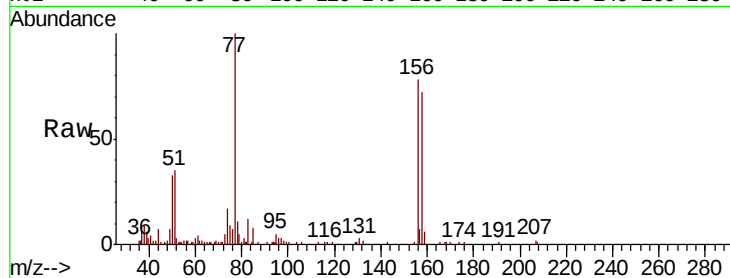
Tgt Ion:156 Resp: 9381

Ion Ratio Lower Upper

156 100

77 129.5 68.1 204.3

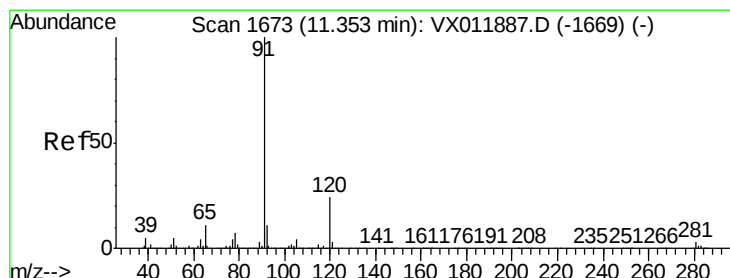
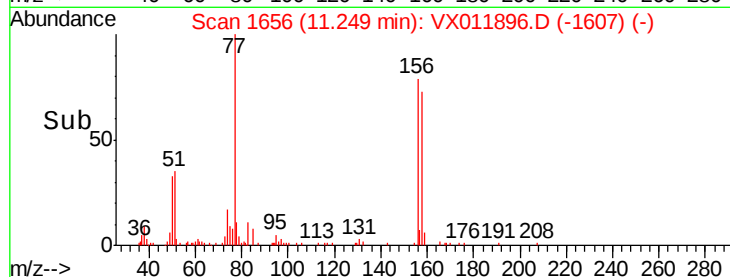
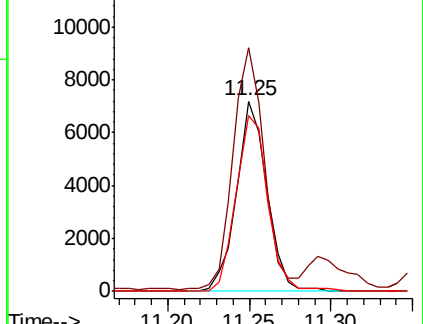
158 96.1 48.9 146.8



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: 2.007 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VX011896.D

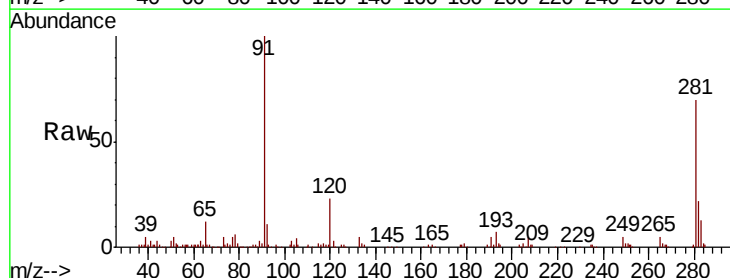
Acq: 30 Aug 2019 03:34

Tgt Ion: 91 Resp: 32895

Ion Ratio Lower Upper

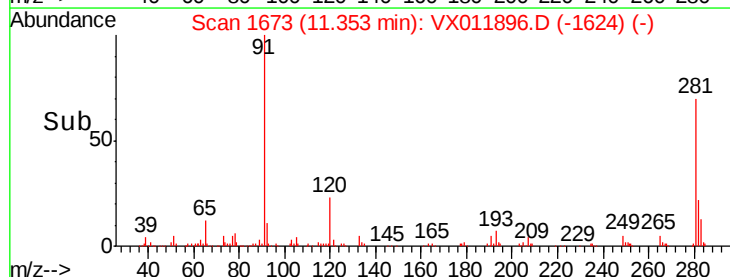
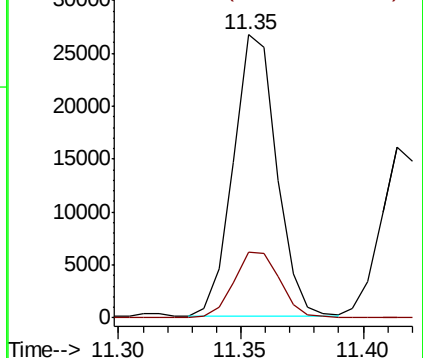
91 100

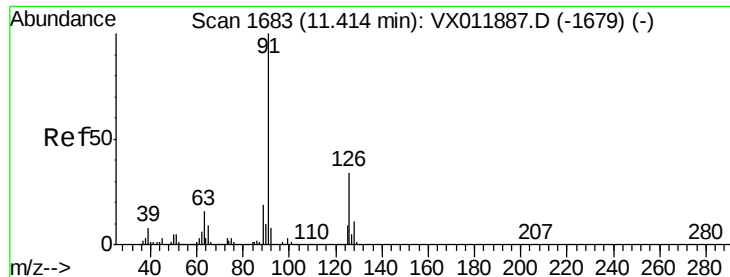
120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.099 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampled :

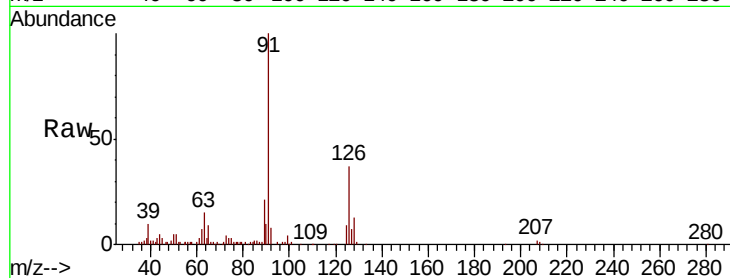
MDL03

Tgt Ion: 91 Resp: 20711

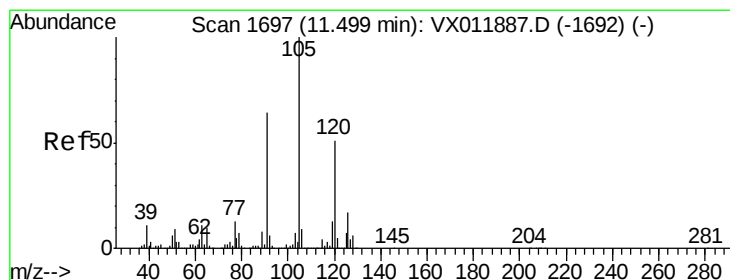
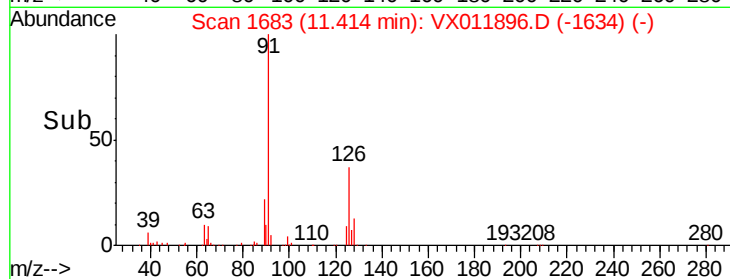
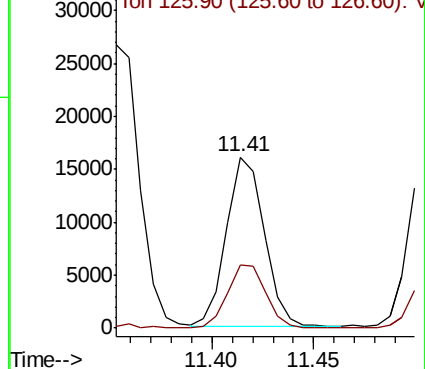
Ion Ratio Lower Upper

91 100

126 37.9 17.9 53.8



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



#80

1,3,5-Trimethylbenzene

Concen: 2.057 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011896.D

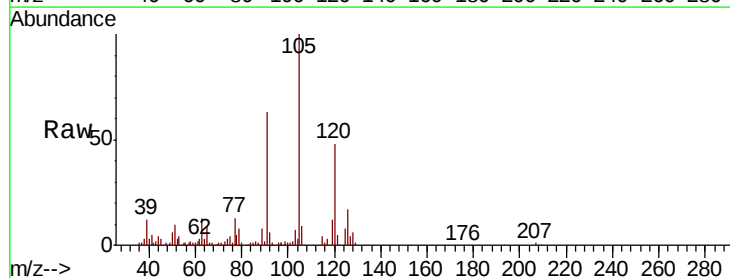
Acq: 30 Aug 2019 03:34

Tgt Ion: 105 Resp: 25671

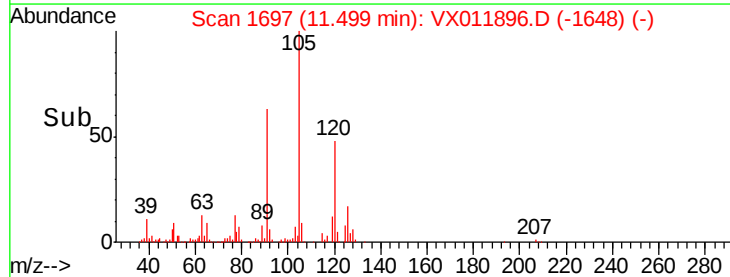
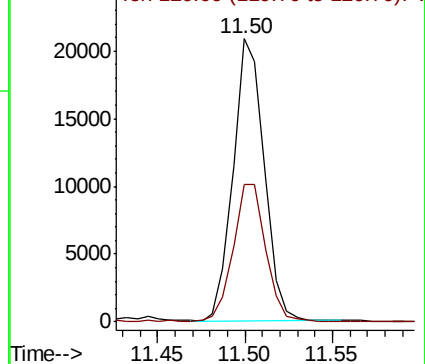
Ion Ratio Lower Upper

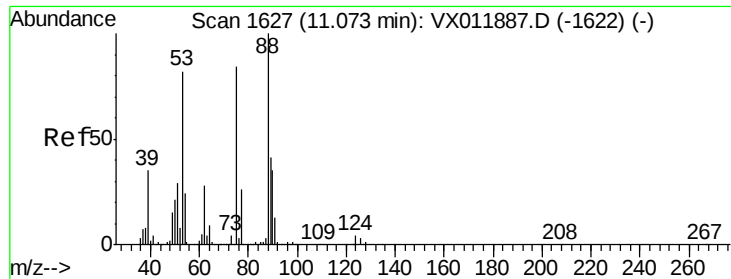
105 100

120 51.8 25.3 75.9



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





#81

trans-1,4-Dichloro-2-butene

Concen: 111.149 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

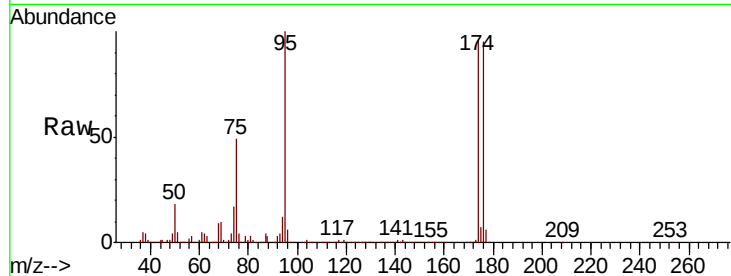
Tgt Ion: 75 Resp: 109494

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

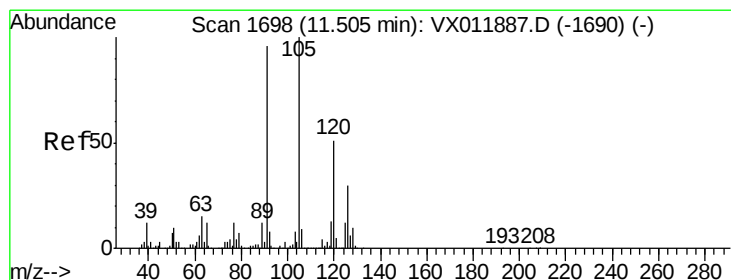
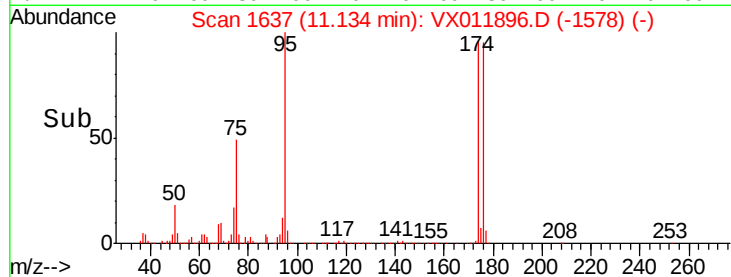
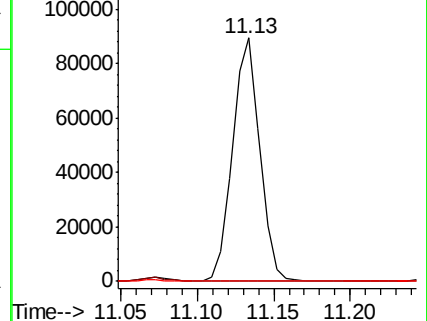
89 0.1 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.139 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011896.D

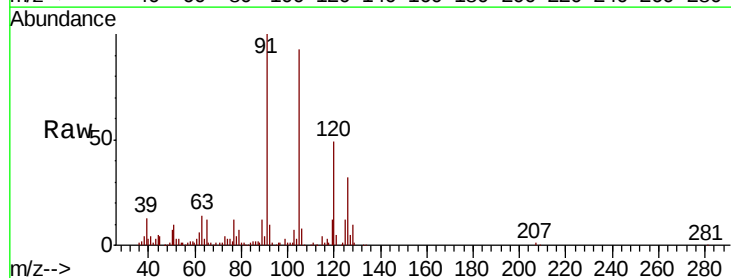
Acq: 30 Aug 2019 03:34

Tgt Ion: 91 Resp: 25463

Ion Ratio Lower Upper

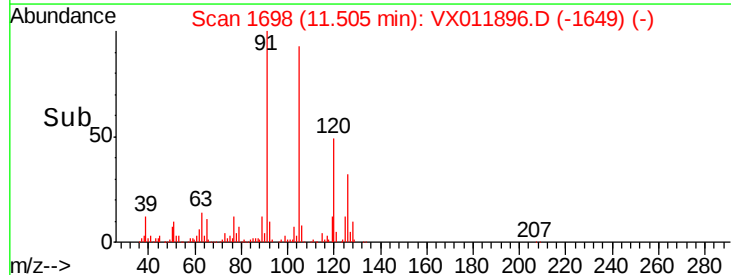
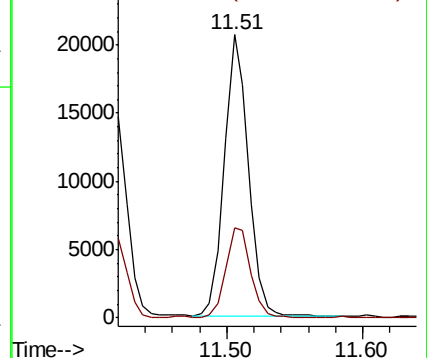
91 100

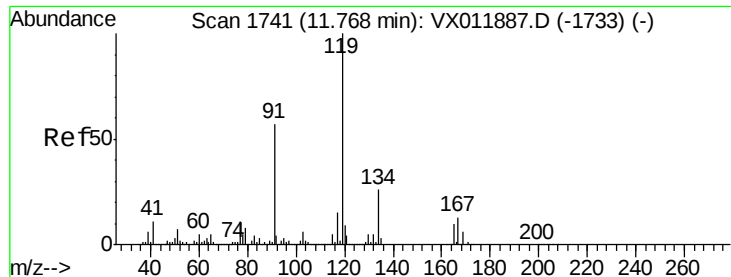
126 33.0 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

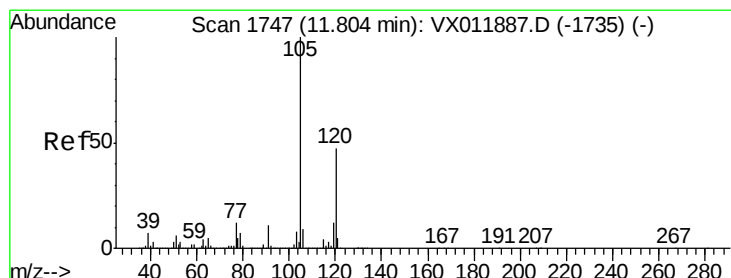
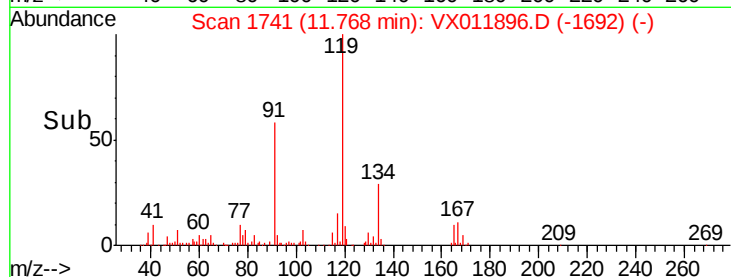
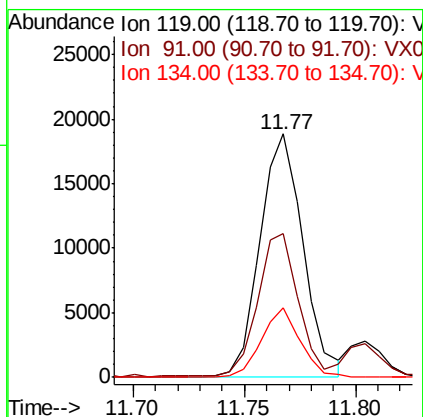
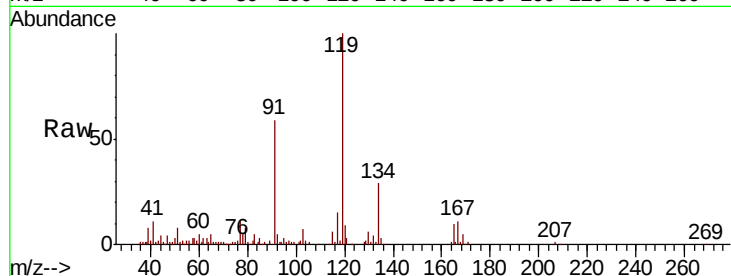




#83
 tert-Butylbenzene
 Concen: 2.007 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

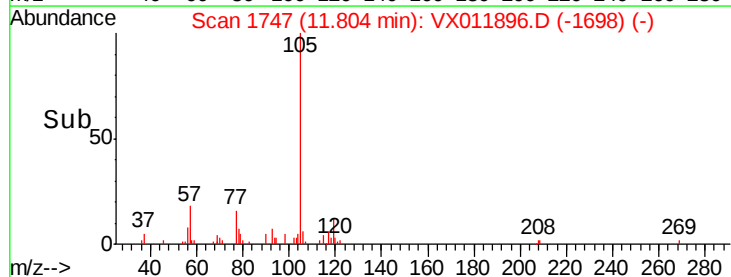
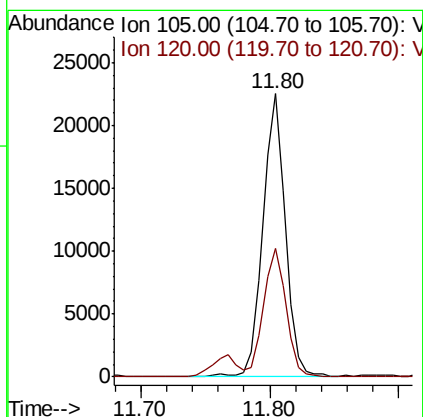
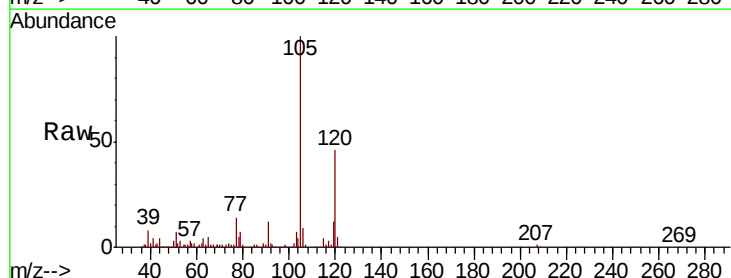
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

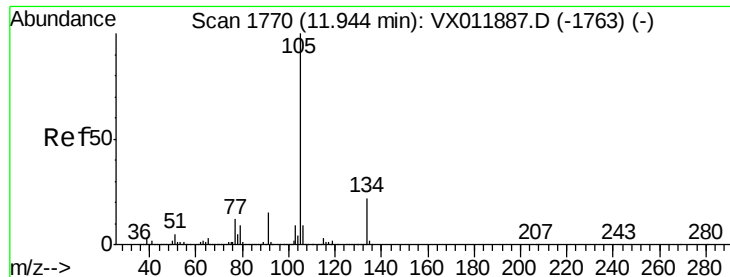
Tgt Ion:119 Resp: 25404
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.9 83.6
 134 25.5 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.118 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion:105 Resp: 27082
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 1.961 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

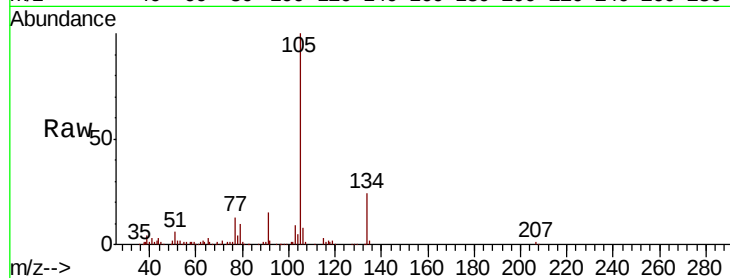
MDL03

Tgt Ion:105 Resp: 28837

Ion Ratio Lower Upper

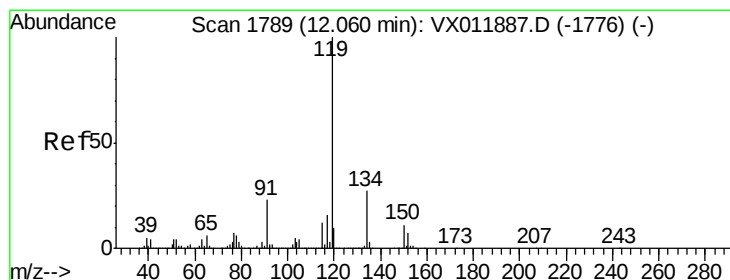
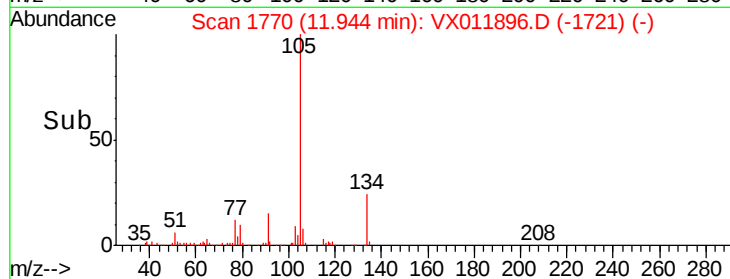
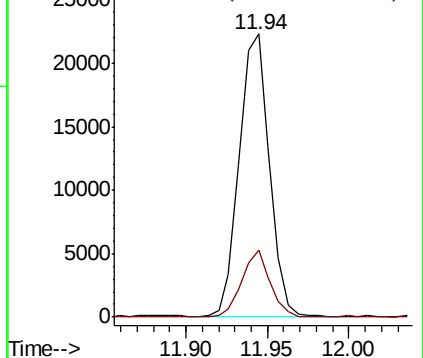
105 100

134 22.2 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.992 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

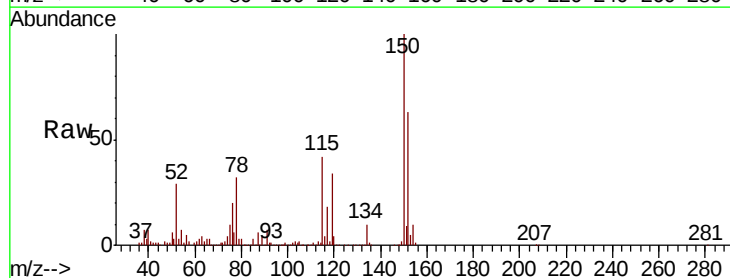
Tgt Ion:119 Resp: 28405

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.0

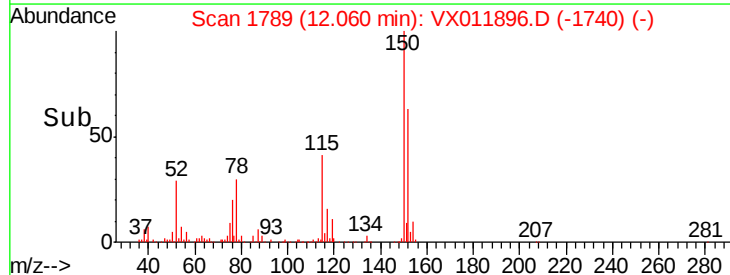
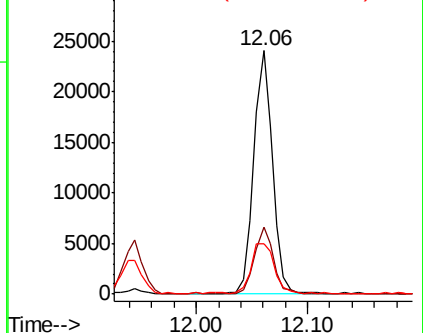
91 25.2 11.6 34.7

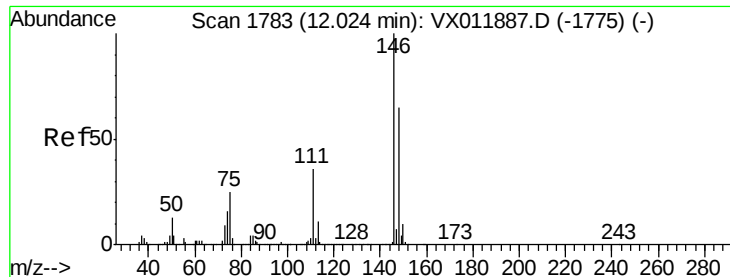


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 2.230 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

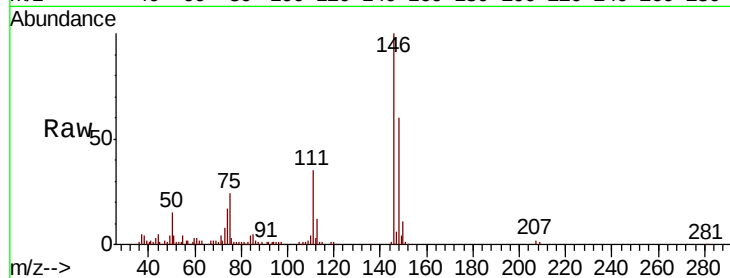
Tgt Ion:146 Resp: 17376

Ion Ratio Lower Upper

146 100

111 37.0 18.4 55.2

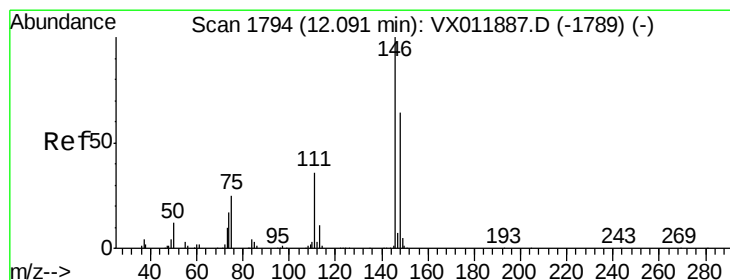
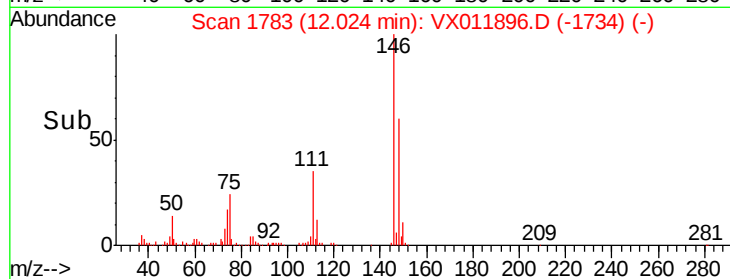
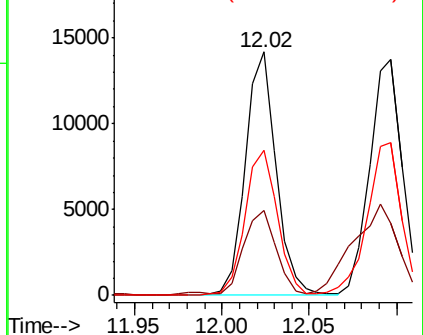
148 63.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.256 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

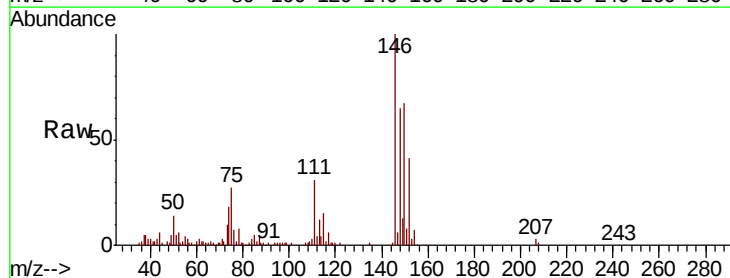
Tgt Ion:146 Resp: 17770

Ion Ratio Lower Upper

146 100

111 53.3 17.9 53.7

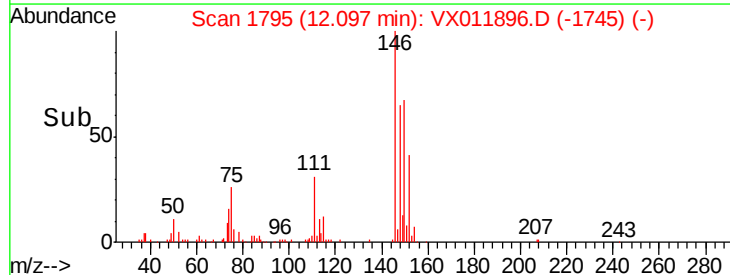
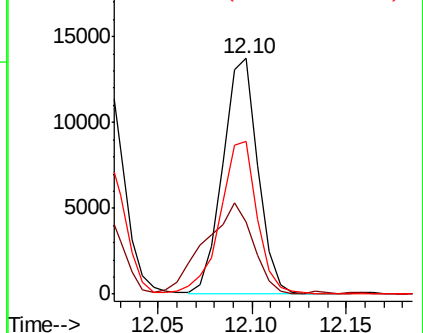
148 68.2 32.4 97.0

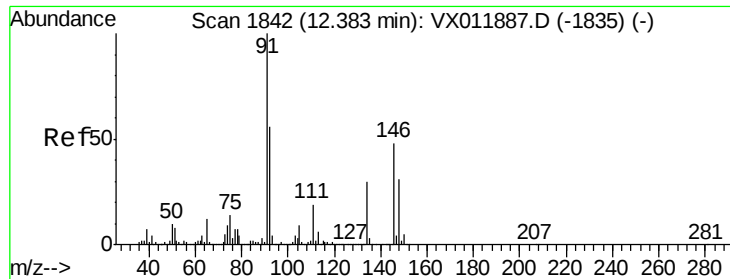


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

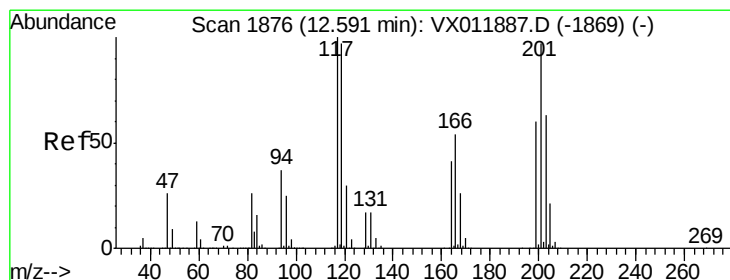
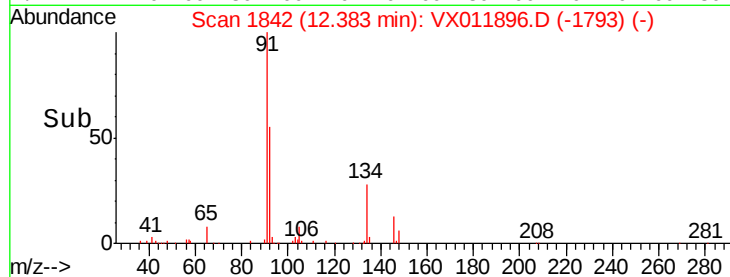
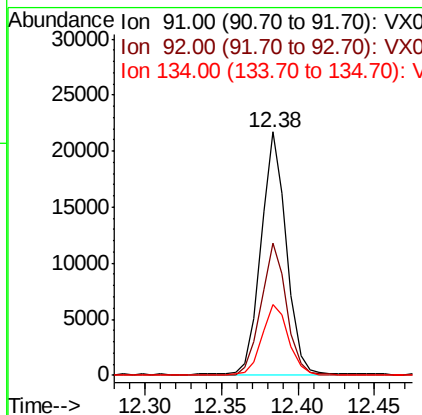
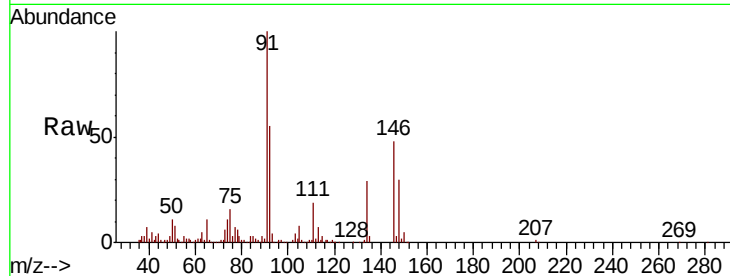




#89
n-Butylbenzene
Concen: 2.008 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

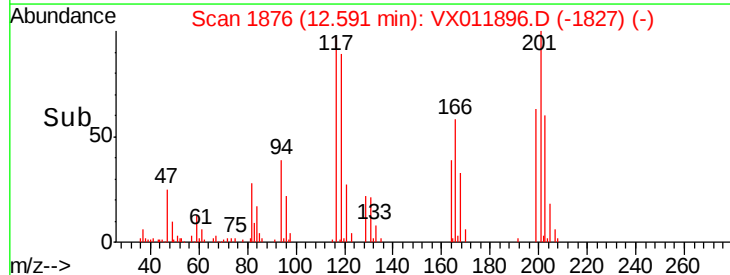
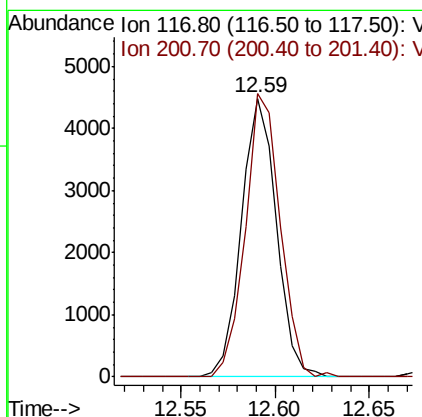
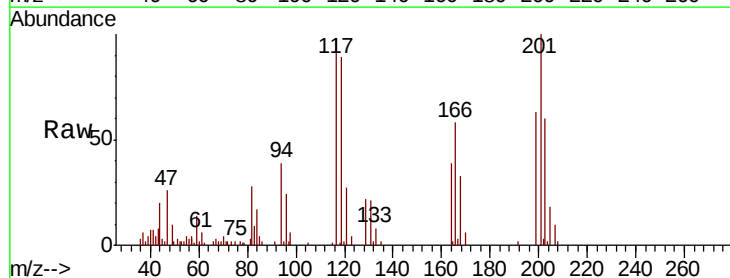
Instrument :
MSVOA_X
ClientSampleId :
MDL03

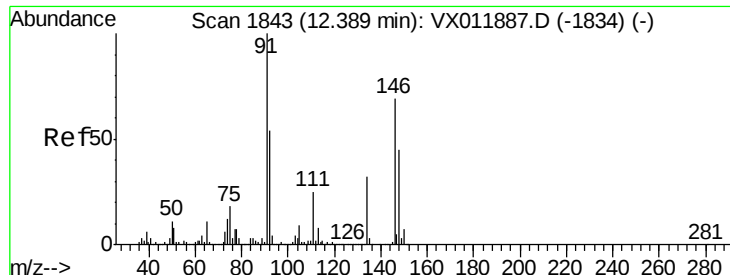
Tgt Ion: 91 Resp: 25330
Ion Ratio Lower Upper
91 100
92 54.4 27.6 82.8
134 30.6 14.8 44.3



#90
Hexachloroethane
Concen: 2.092 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011896.D
Acq: 30 Aug 2019 03:34

Tgt Ion: 117 Resp: 5772
Ion Ratio Lower Upper
117 100
201 101.5 52.8 158.5





#91

1,2-Dichlorobenzene

Concen: 2.158 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

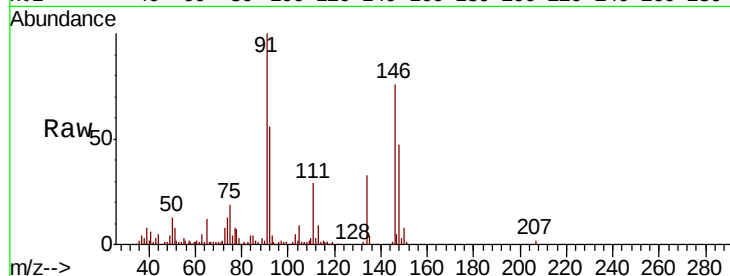
Tgt Ion:146 Resp: 15629

Ion Ratio Lower Upper

146 100

111 38.9 18.9 56.5

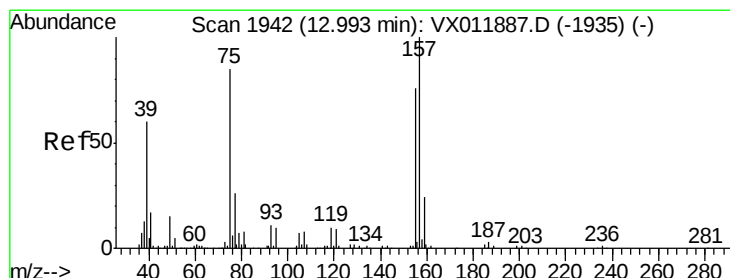
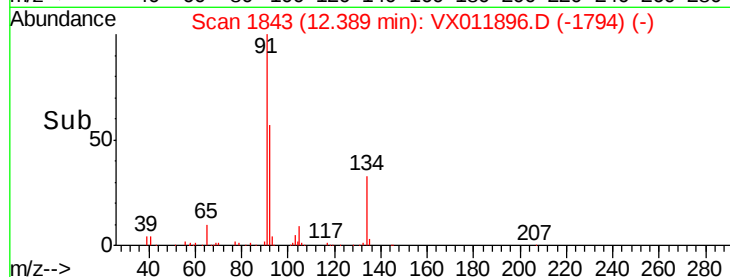
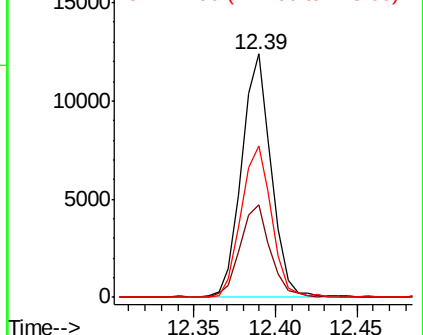
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.350 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.01 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

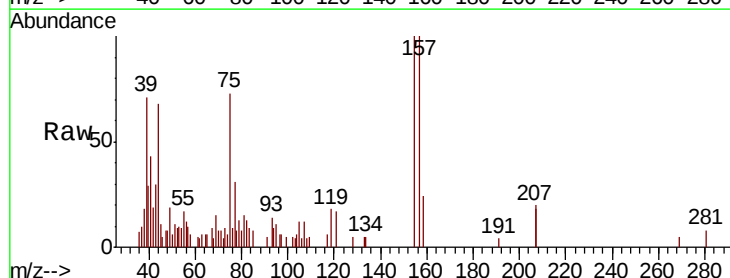
Tgt Ion: 75 Resp: 1385

Ion Ratio Lower Upper

75 100

155 107.5 50.1 150.4

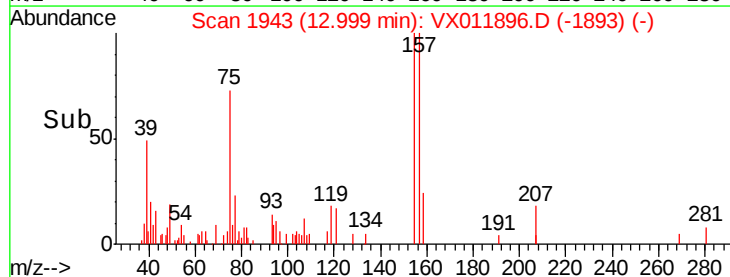
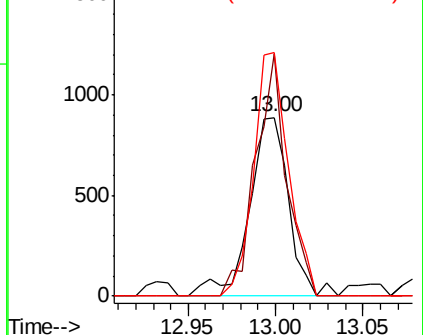
157 121.0 63.9 191.7

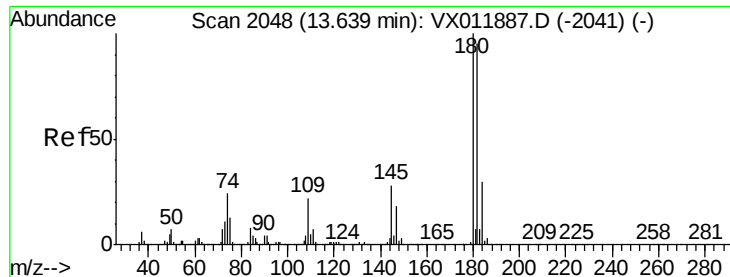


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

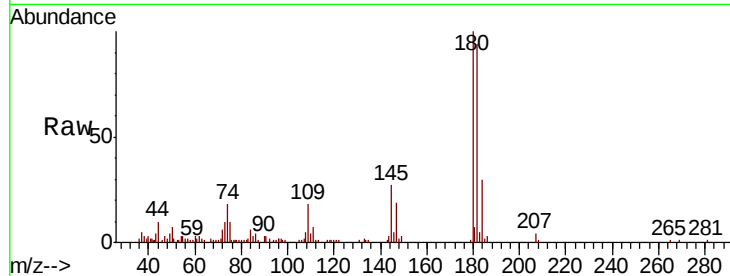




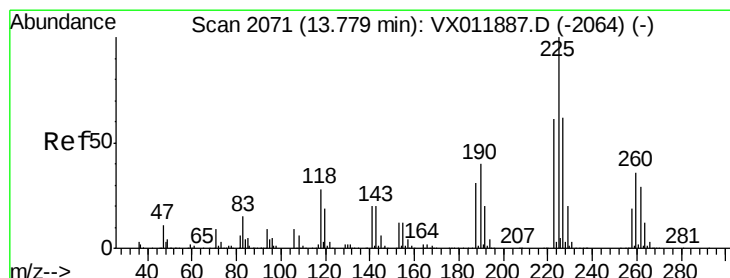
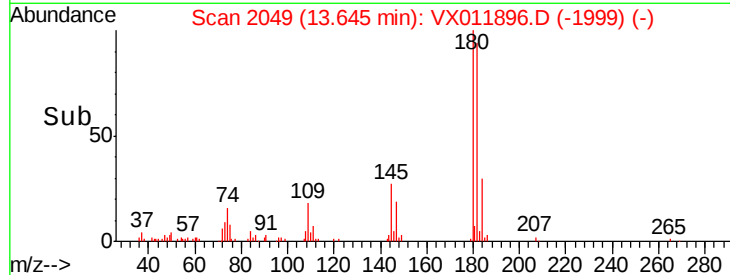
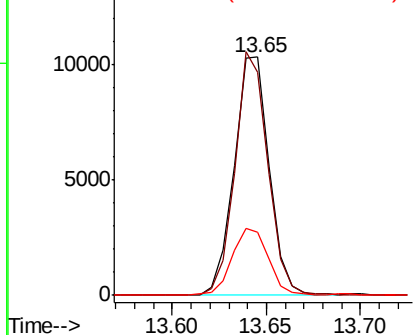
#93
 1,2,4-Trichlorobenzene
 Concen: 2.175 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Instrument :
 MSVOA_X
 ClientSampled :
 MDL03

Tgt Ion:180 Resp: 13269
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.4
 145 29.2 13.8 41.3

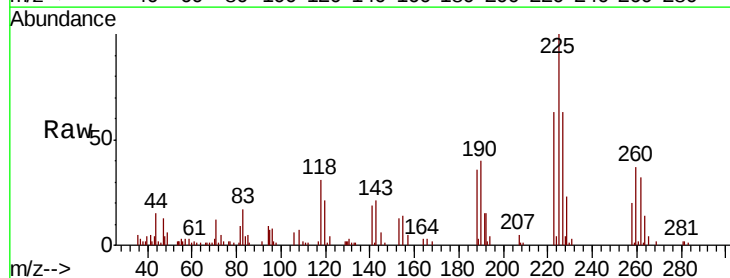


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

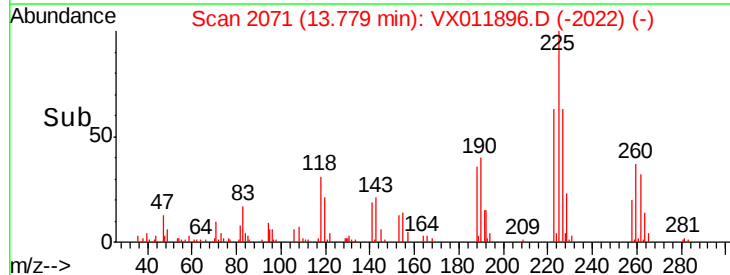
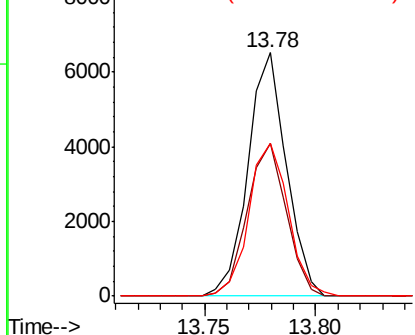


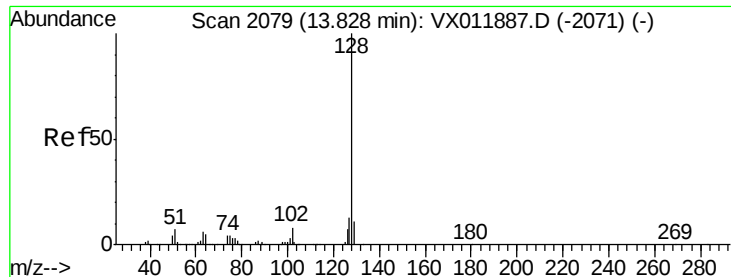
#94
 Hexachlorobutadiene
 Concen: 1.925 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011896.D
 Acq: 30 Aug 2019 03:34

Tgt Ion:225 Resp: 7840
 Ion Ratio Lower Upper
 225 100
 223 63.7 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: 2.134 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

Instrument :

MSVOA_X

ClientSampleId :

MDL03

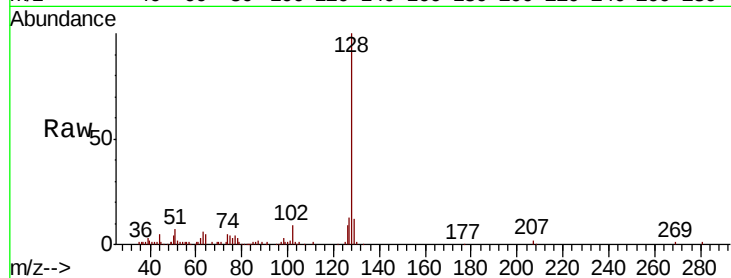
Tgt Ion:128 Resp: 22339

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

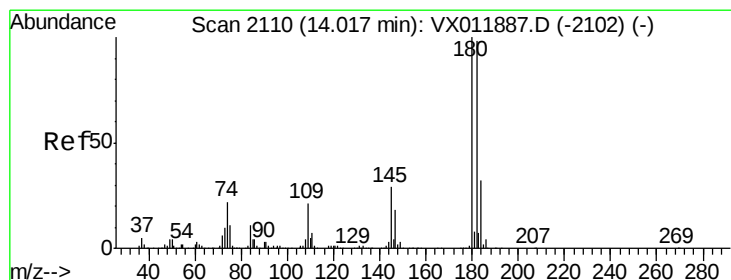
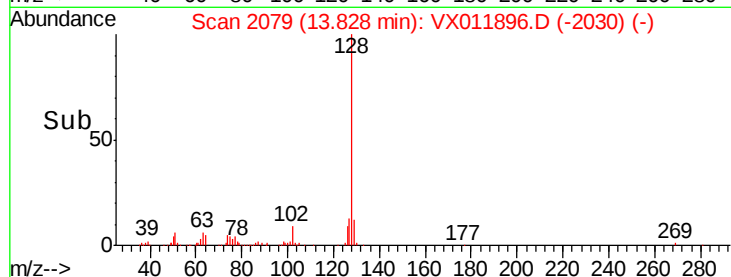
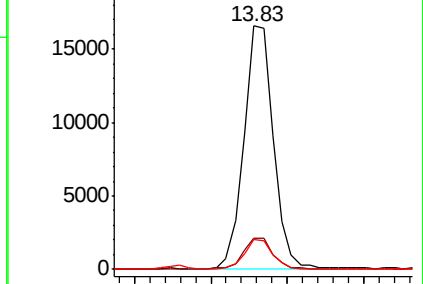
129 12.1 8.8 13.2



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: 2.245 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011896.D

Acq: 30 Aug 2019 03:34

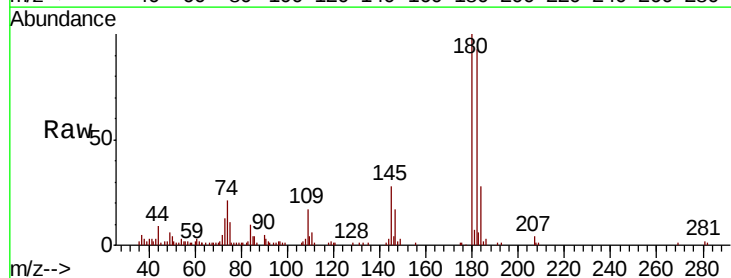
Tgt Ion:180 Resp: 12385

Ion Ratio Lower Upper

180 100

182 95.9 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

