

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082919\
 Data File : VX011895.D
 Acq On : 30 Aug 2019 03:07
 Operator : SY/SP
 Sample : MDL02 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Quant Time: Aug 30 04:15:52 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	317590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	475965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	456944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258153	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	170923	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	5.48	113	153389	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	8.71	98	564344	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.13	95	231503	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.18	85	4442	2.317 ug/l	88
3) Chloromethane	1.31	50	5686	2.559 ug/l	93
4) Vinyl Chloride	1.40	62	4843	2.282 ug/l	96
5) Bromomethane	1.63	94	5765	3.927 ug/l	98
6) Chloroethane	1.71	64	3345	2.533 ug/l #	87
7) Trichlorofluoromethane	1.92	101	8669	2.353 ug/l	95
8) Diethyl Ether	2.17	74	4061	3.207 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5967	2.485 ug/l	100
10) Methyl Iodide	2.50	142	2494	4.557 ug/l	94
11) Tert butyl alcohol	3.03	59	4915	16.790 ug/l #	90
12) 1,1-Dichloroethene	2.36	96	5207	2.334 ug/l	95
13) Acrolein	2.28	56	1958	13.438 ug/l #	57
14) Allyl chloride	2.71	41	10433	2.493 ug/l	94
15) Acrylonitrile	3.13	53	9163	13.172 ug/l	95
16) Acetone	2.43	43	10997	16.797 ug/l	98
17) Carbon Disulfide	2.56	76	15304	2.392 ug/l	99
18) Methyl Acetate	2.76	43	6383	3.522 ug/l	95
19) Methyl tert-butyl Ether	3.18	73	18890	2.614 ug/l	97
20) Methylene Chloride	2.84	84	16429	1.076 ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	7250	2.759 ug/l	98
22) Diisopropyl ether	3.84	45	21709	2.541 ug/l	91
23) Vinyl Acetate	3.80	43	61385	11.177 ug/l	98
24) 1,1-Dichloroethane	3.68	63	11916	2.530 ug/l	97
25) 2-Butanone	4.68	43	11578	12.142 ug/l	98
26) 2,2-Dichloropropane	4.57	77	9049	2.290 ug/l	86
27) cis-1,2-Dichloroethene	4.59	96	7457	2.409 ug/l	90
28) Bromochloromethane	4.99	49	6124	2.897 ug/l #	8
29) Tetrahydrofuran	5.12	42	7833	13.161 ug/l	96
30) Chloroform	5.20	83	14256	2.830 ug/l	99
31) Cyclohexane	5.56	56	9088	2.392 ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	10904	2.437 ug/l	98
36) 1,1-Dichloropropene	5.79	75	8768	2.325 ug/l #	92
37) Ethyl Acetate	4.83	43	5107	2.288 ug/l #	81
38) Carbon Tetrachloride	5.77	117	9565	2.187 ug/l	89

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 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)
39) Methylcyclohexane	7.45	83	10566	2.352	ug/l	97
40) Benzene	6.13	78	25712	2.284	ug/l	99
41) Methacrylonitrile	5.03	41	3037	2.311	ug/l	94
42) 1,2-Dichloroethane	6.18	62	9139	2.388	ug/l	98
43) Isopropyl Acetate	6.43	43	10022	2.215	ug/l #	92
44) Trichloroethene	7.21	130	8232	2.364	ug/l	96
45) 1,2-Dichloropropane	7.51	63	7251	2.463	ug/l	98
46) Dibromomethane	7.65	93	4437	2.539	ug/l	93
47) Bromodichloromethane	7.90	83	10490	2.421	ug/l	92
48) Methyl methacrylate	7.77	41	5461	2.480	ug/l	97
49) 1,4-Dioxane	7.74	88	1582	52.247	ug/l #	57
51) 4-Methyl-2-Pentanone	8.63	43	26238	11.413	ug/l	98
52) Toluene	8.78	92	17449	2.343	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	10336	2.329	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	11296	2.267	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	6231	2.436	ug/l	95
56) Ethyl methacrylate	9.18	69	7591	2.138	ug/l	93
57) 1,3-Dichloropropane	9.37	76	10174	2.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	22709	13.430	ug/l	99
59) 2-Hexanone	9.49	43	18317	11.217	ug/l	97
60) Dibromochloromethane	9.58	129	7707	2.243	ug/l	99
61) 1,2-Dibromoethane	9.66	107	5965	2.352	ug/l	98
64) Tetrachloroethene	9.33	164	9874	2.686	ug/l	95
65) Chlorobenzene	10.13	112	20394	2.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	8249	2.304	ug/l	99
67) Ethyl Benzene	10.25	91	34477	2.289	ug/l	99
68) m/p-Xylenes	10.35	106	26988	4.640	ug/l	97
69) o-Xylene	10.69	106	13479	2.378	ug/l	91
70) Styrene	10.71	104	21712	2.173	ug/l	96
71) Bromoform	10.85	173	5595	2.210	ug/l #	97
73) Isopropylbenzene	11.01	105	34195	2.305	ug/l	100
74) N-amyl acetate	10.89	43	9386	2.132	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	7232	2.382	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	7158	2.819	ug/l	87
77) Bromobenzene	11.25	156	10485	2.437	ug/l	99
78) n-propylbenzene	11.35	91	40747	2.423	ug/l	100
79) 2-Chlorotoluene	11.41	91	23589	2.330	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	30286	2.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	115217	113.979	ug/l #	11
82) 4-Chlorotoluene	11.51	91	29518	2.417	ug/l	97
83) tert-Butylbenzene	11.77	119	30258	2.329	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	32514	2.478	ug/l	100
85) sec-Butylbenzene	11.94	105	37498	2.485	ug/l	100
86) p-Isopropyltoluene	12.06	119	36257	2.478	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	20610	2.578	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	20666	2.557	ug/l	87
89) n-Butylbenzene	12.38	91	34164	2.639	ug/l	99
90) Hexachloroethane	12.59	117	6954	2.457	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	17992	2.420	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1559	2.578	ug/l	90

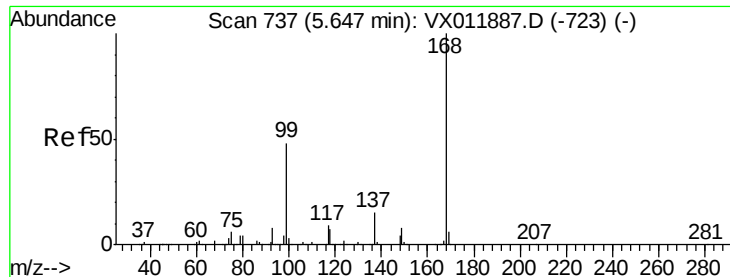
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16717	2.671	ug/l	100
94) Hexachlorobutadiene	13.77	225	12971	3.103	ug/l	97
95) Naphthalene	13.83	128	25323	2.357	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	14387	2.542	ug/l	97

(#) = 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: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

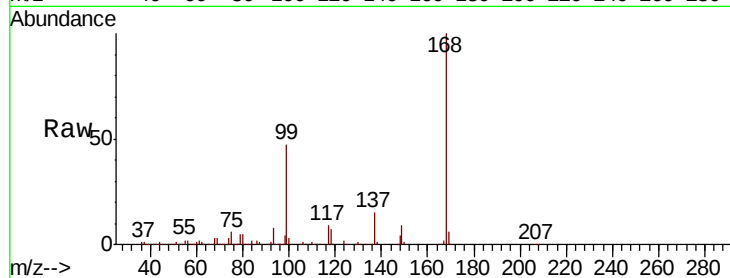
MDL02

Tgt Ion:168 Resp: 317590

Ion Ratio Lower Upper

168 100

99 47.4 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

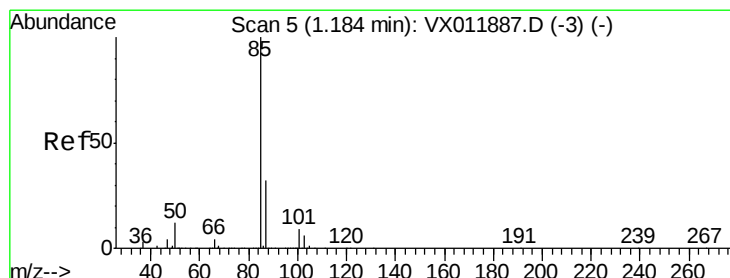
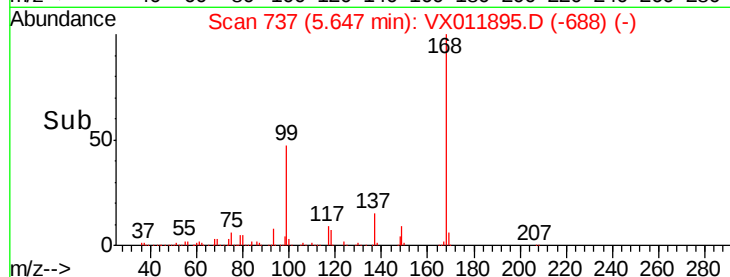
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.317 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011895.D

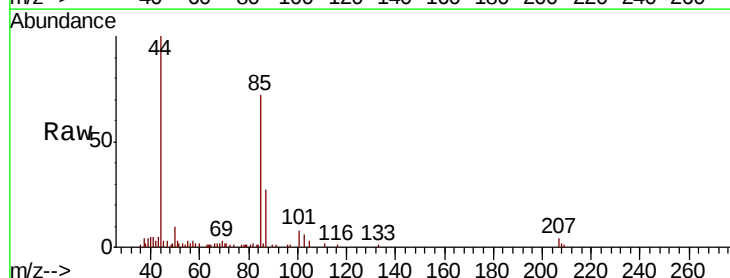
Acq: 30 Aug 2019 03:07

Tgt Ion: 85 Resp: 4442

Ion Ratio Lower Upper

85 100

87 39.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

5000

4000

3000

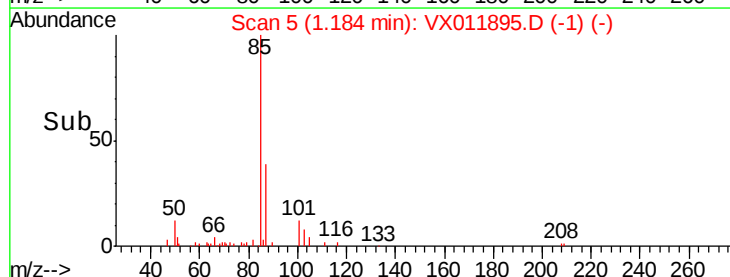
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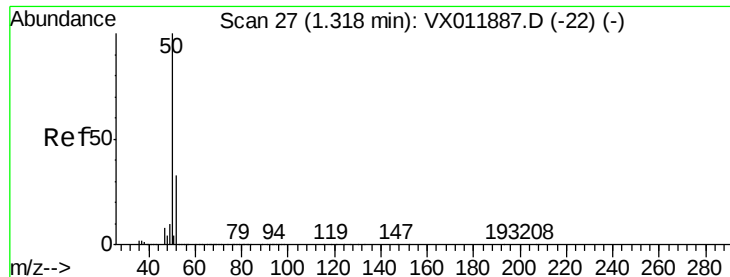
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.559 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

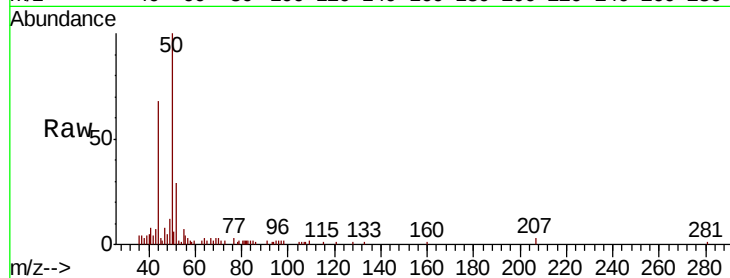
MDL02

Tgt Ion: 50 Resp: 5686

Ion Ratio Lower Upper

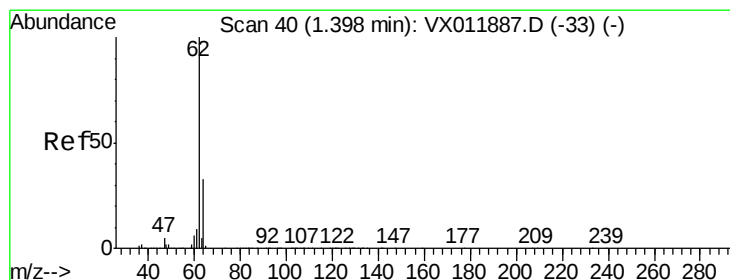
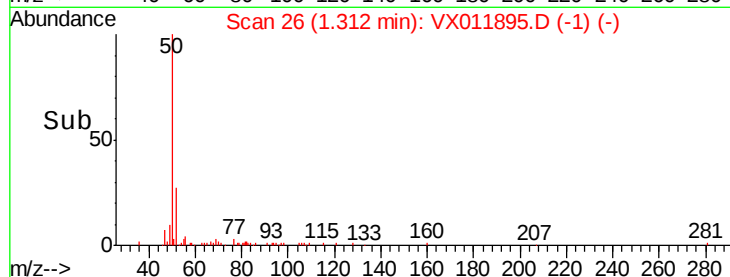
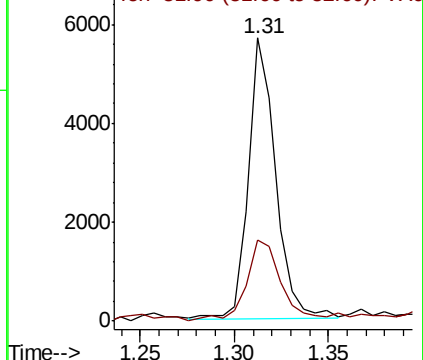
50 100

52 28.8 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: 2.282 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011895.D

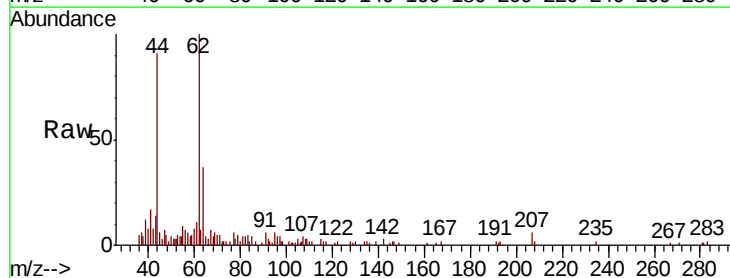
Acq: 30 Aug 2019 03:07

Tgt Ion: 62 Resp: 4843

Ion Ratio Lower Upper

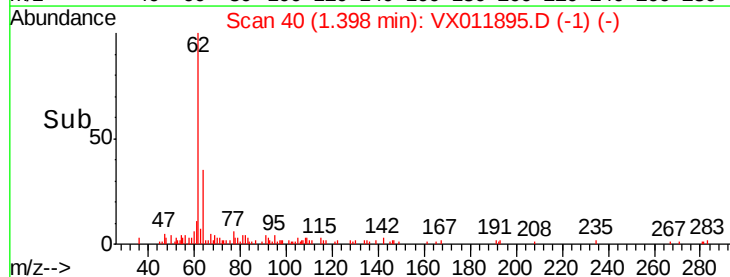
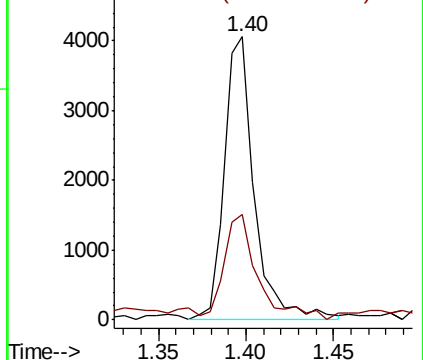
62 100

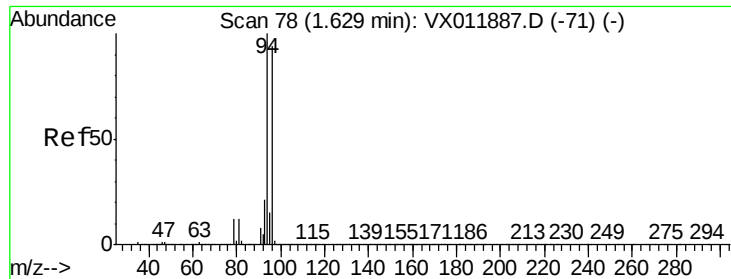
64 34.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.927 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

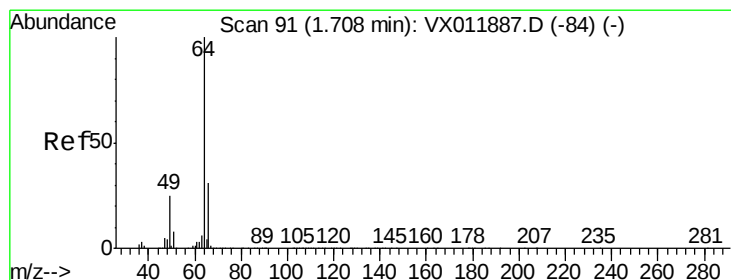
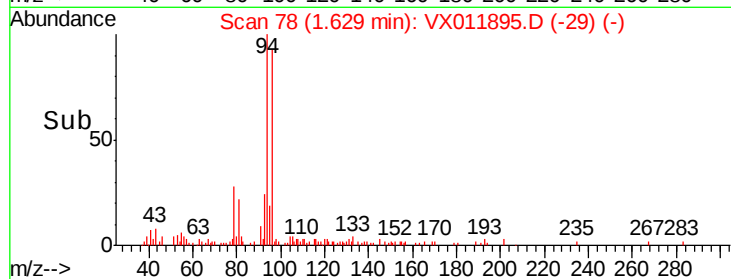
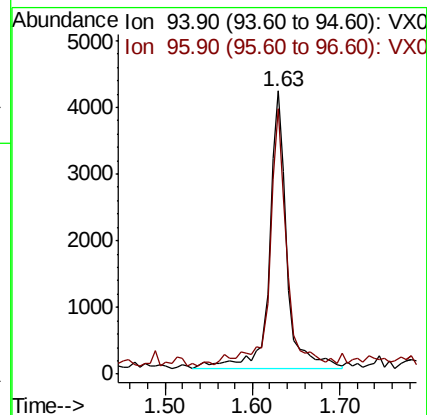
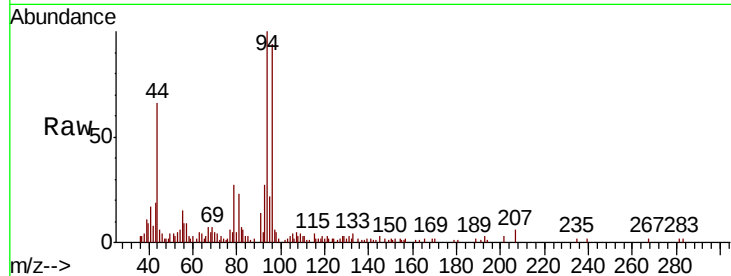
MDL02

Tgt Ion: 94 Resp: 5765

Ion Ratio Lower Upper

94 100

96 91.9 75.0 112.6



#6

Chloroethane

Concen: 2.533 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX011895.D

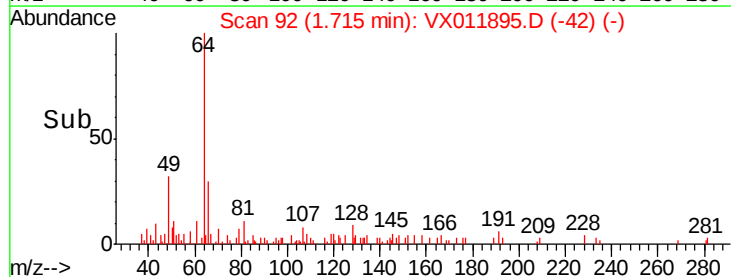
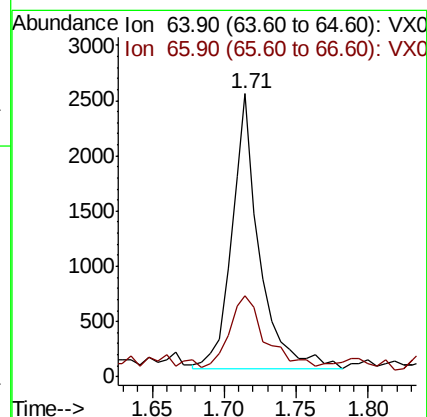
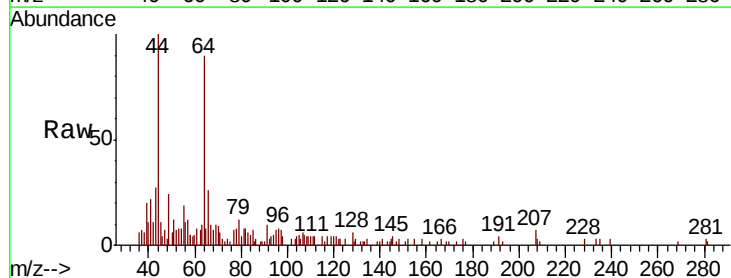
Acq: 30 Aug 2019 03:07

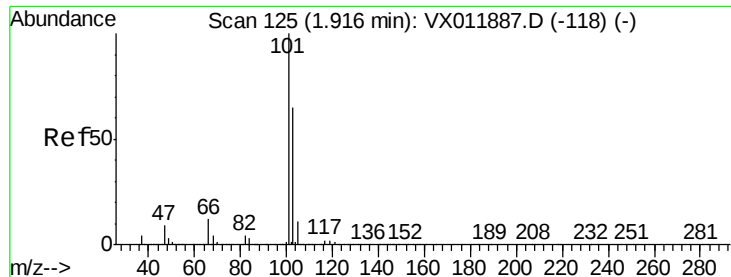
Tgt Ion: 64 Resp: 3345

Ion Ratio Lower Upper

64 100

66 24.2 25.0 37.4#



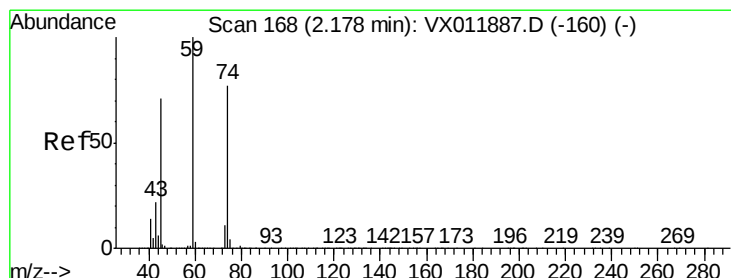
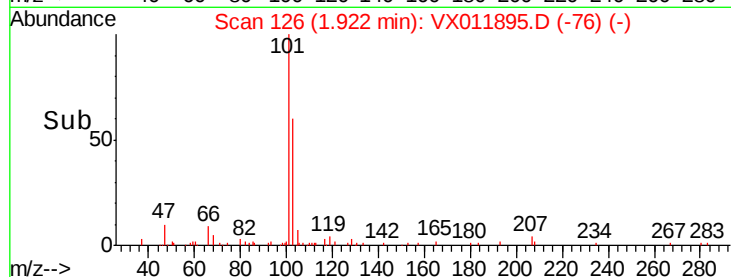
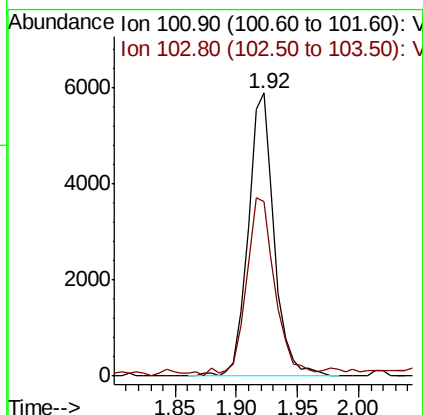
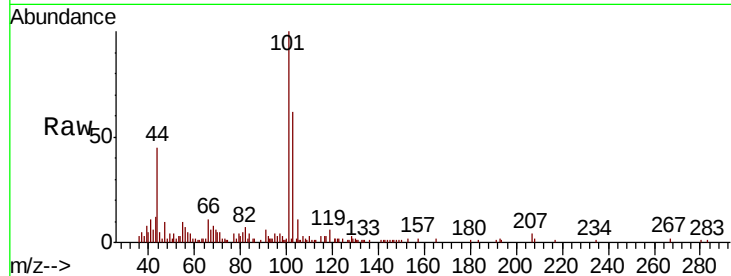


#7

Trichlorofluoromethane
Concen: 2.353 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Instrument :
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ClientSampleId :
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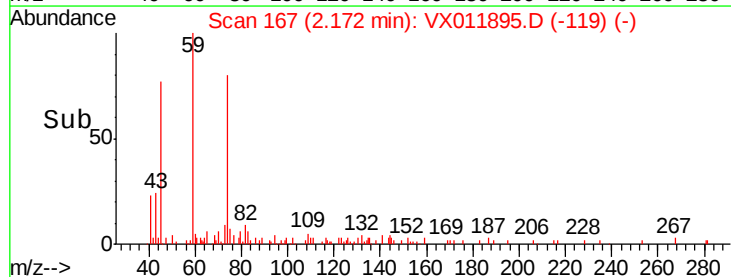
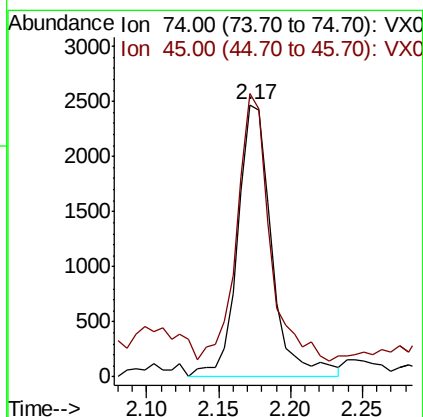
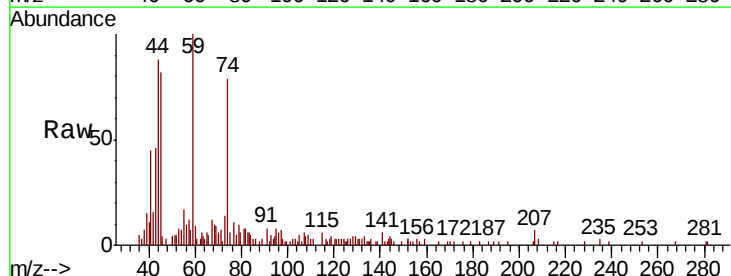
Tgt Ion: 101 Resp: 8669
Ion Ratio Lower Upper
101 100
103 60.4 51.6 77.4

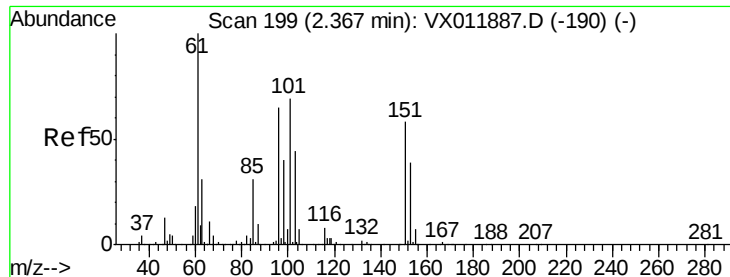


#8

Diethyl Ether
Concen: 3.207 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 74 Resp: 4061
Ion Ratio Lower Upper
74 100
45 94.2 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.485 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

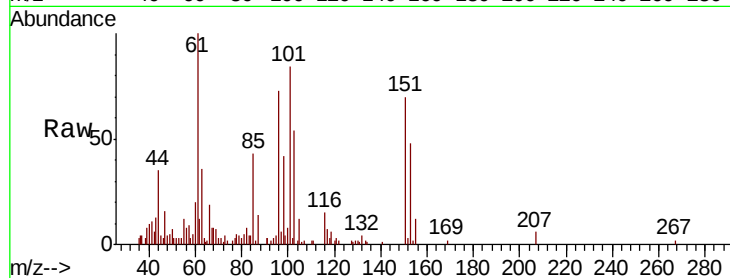
Tgt Ion:101 Resp: 5967

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

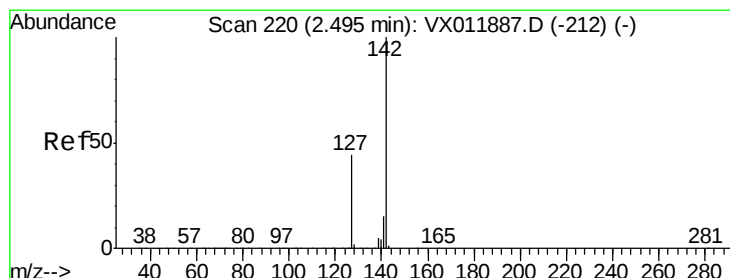
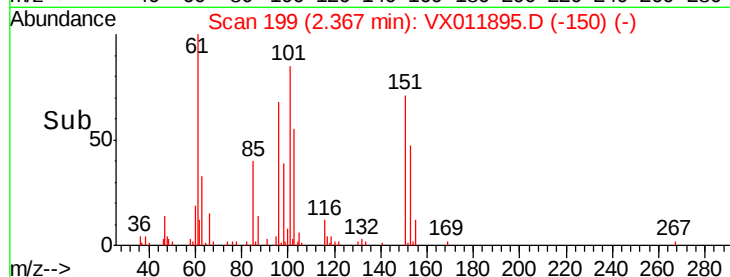
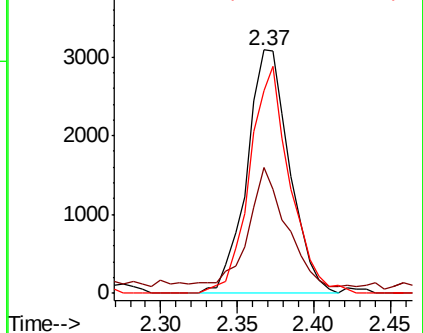
151 88.4 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.557 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

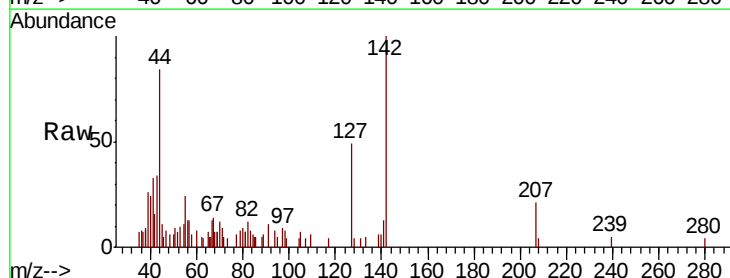
Tgt Ion:142 Resp: 2494

Ion Ratio Lower Upper

142 100

127 49.6 35.7 53.5

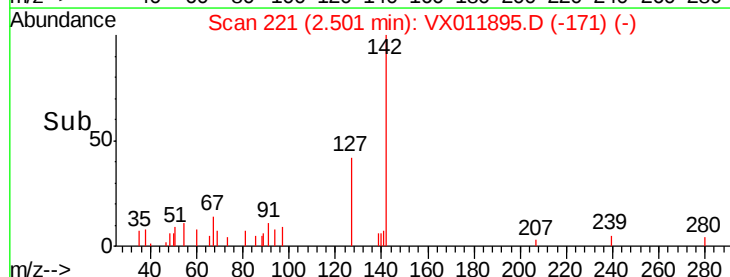
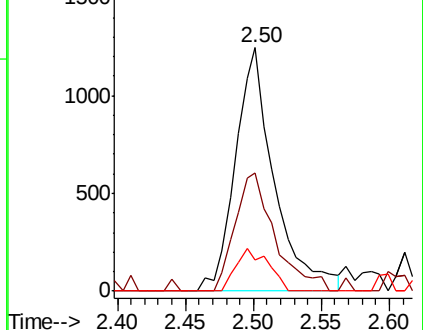
141 14.5 11.8 17.6

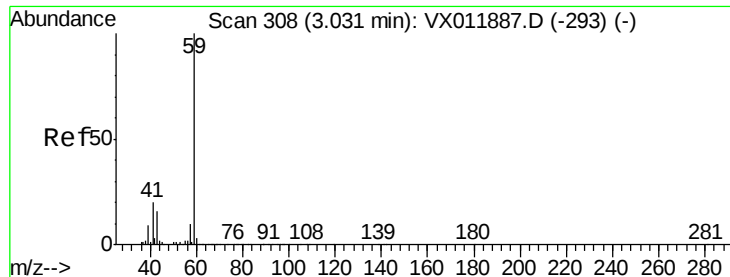


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

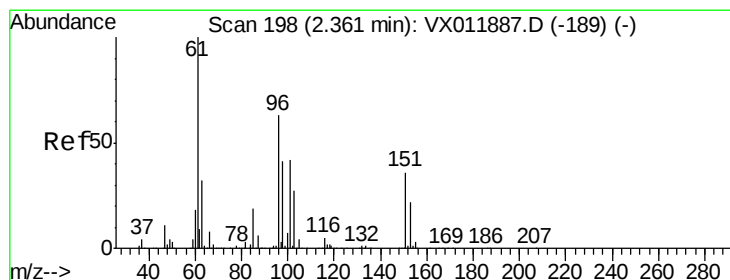
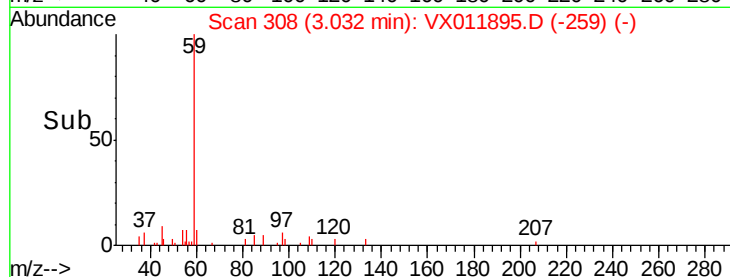
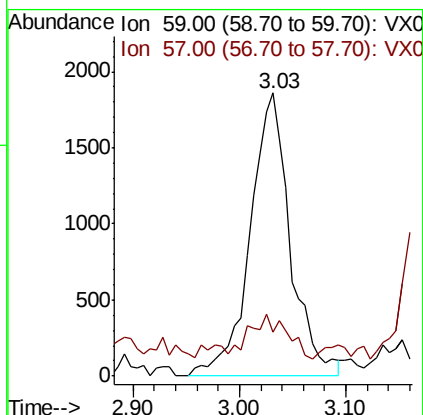
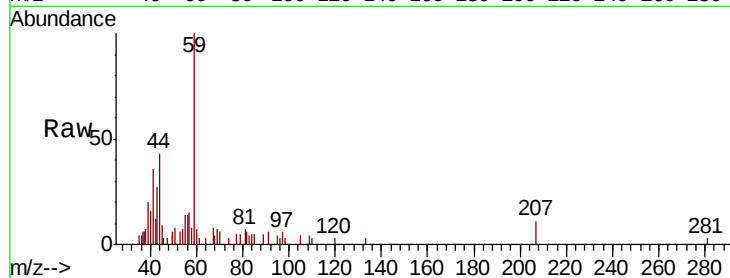




#11
Tert butyl alcohol
Concen: 16.790 ug/l
RT: 3.03 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

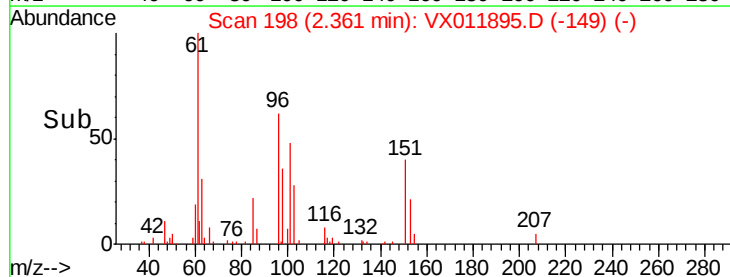
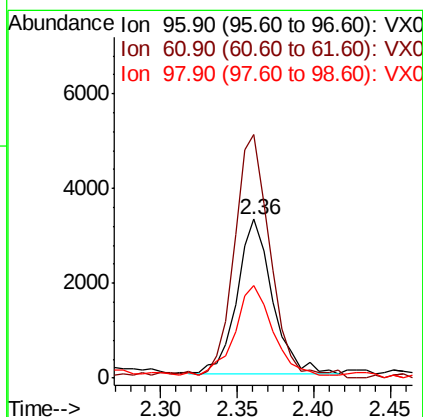
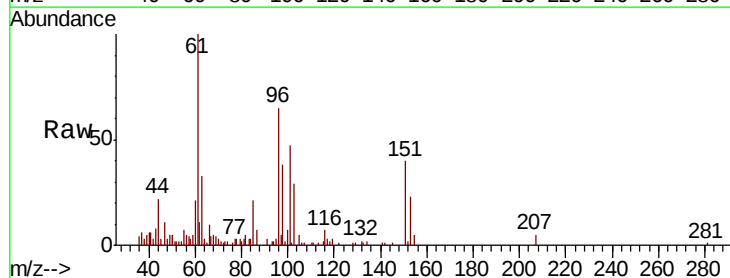
Instrument :
MSVOA_X
ClientSampleId :
MDL02

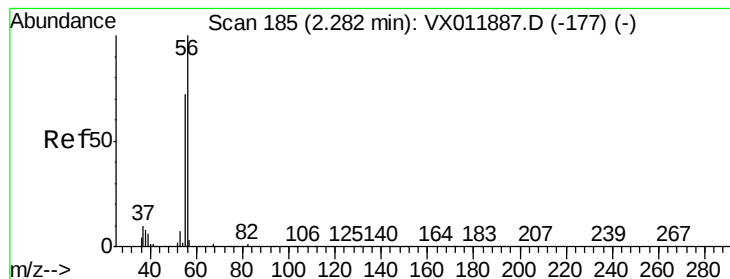
Tgt Ion: 59 Resp: 4915
Ion Ratio Lower Upper
59 100
57 14.6 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 2.334 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 96 Resp: 5207
Ion Ratio Lower Upper
96 100
61 153.4 126.6 190.0
98 58.0 51.6 77.4





#13

Acrolein

Concen: 13.438 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampled :

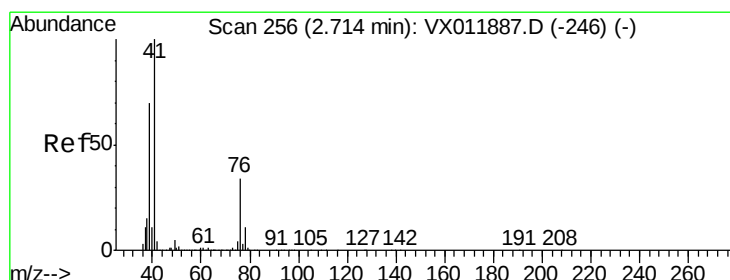
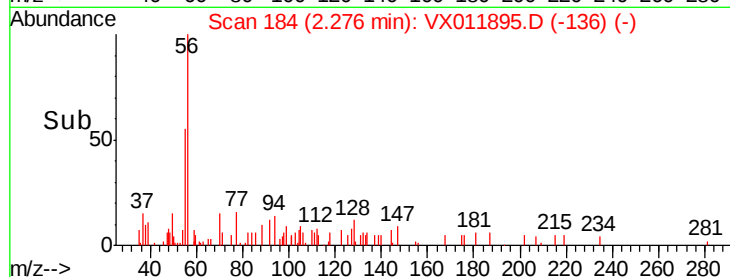
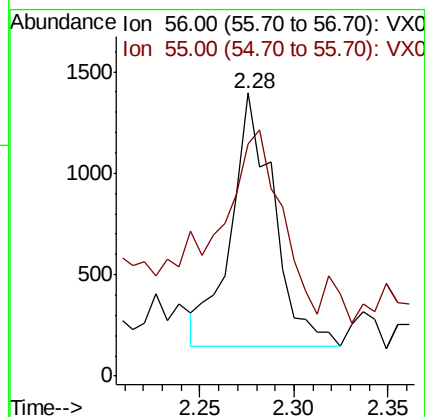
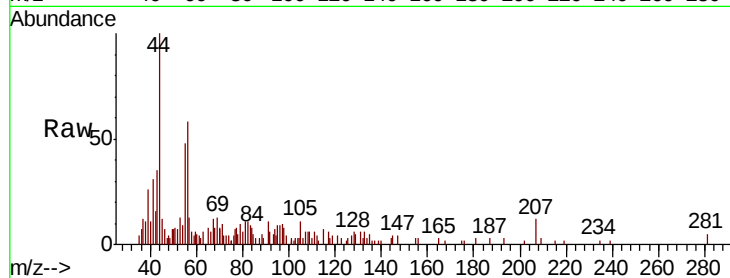
MDL02

Tgt Ion: 56 Resp: 1958

Ion Ratio Lower Upper

56 100

55 109.8 58.6 88.0#



#14

Allyl chloride

Concen: 2.493 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

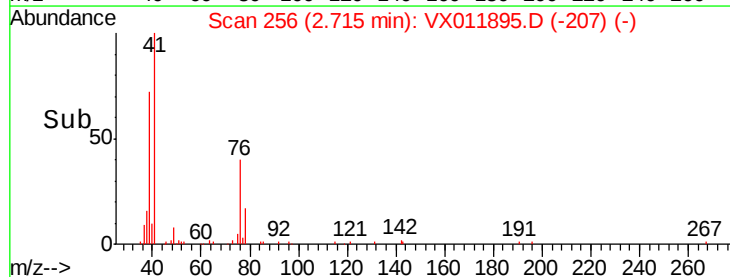
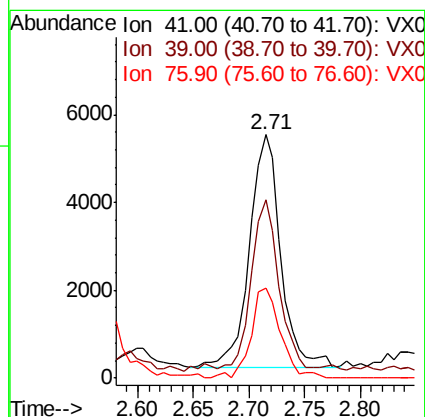
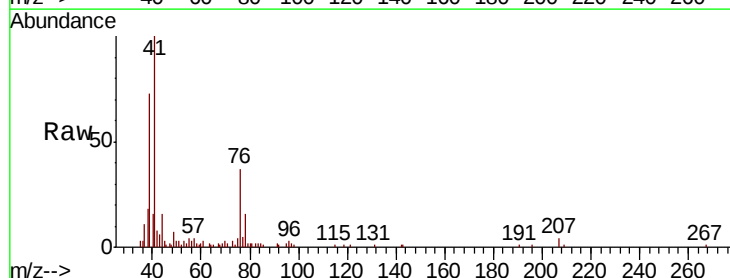
Tgt Ion: 41 Resp: 10433

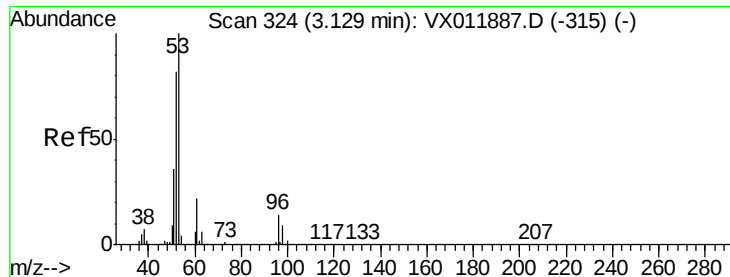
Ion Ratio Lower Upper

41 100

39 63.3 55.0 82.6

76 36.1 27.0 40.4





#15

Acrylonitrile

Concen: 13.172 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

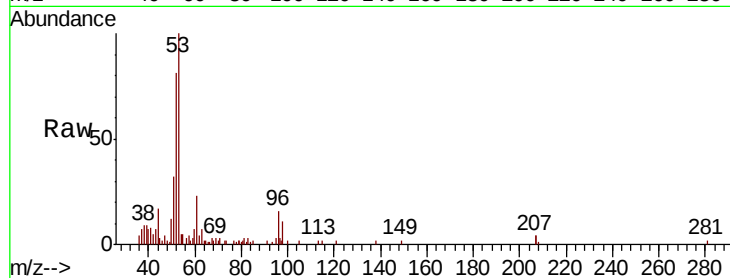
Tgt Ion: 53 Resp: 9163

Ion Ratio Lower Upper

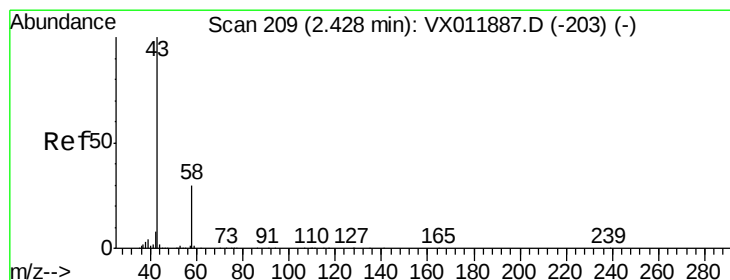
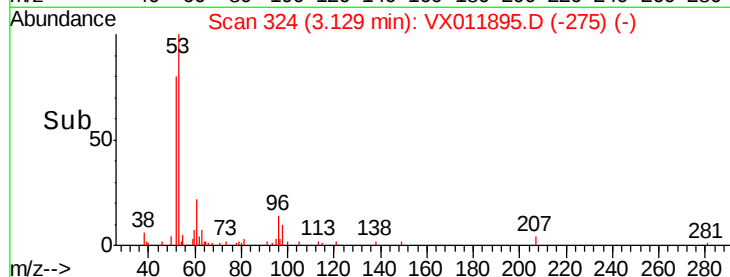
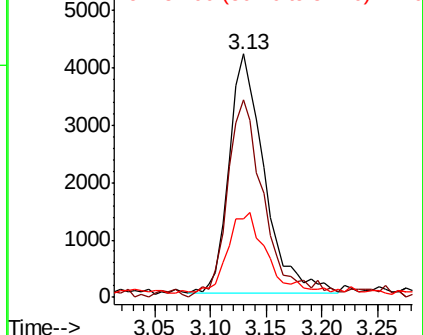
53 100

52 87.7 65.3 97.9

51 38.0 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 16.797 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX011895.D

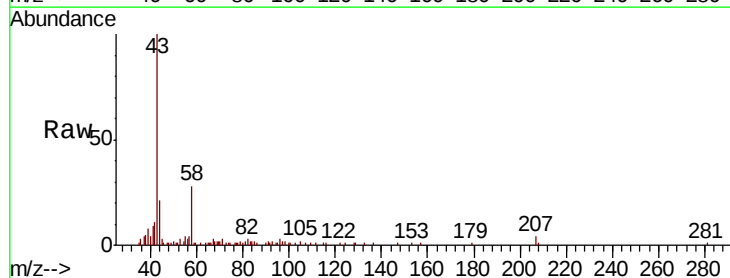
Acq: 30 Aug 2019 03:07

Tgt Ion: 43 Resp: 10997

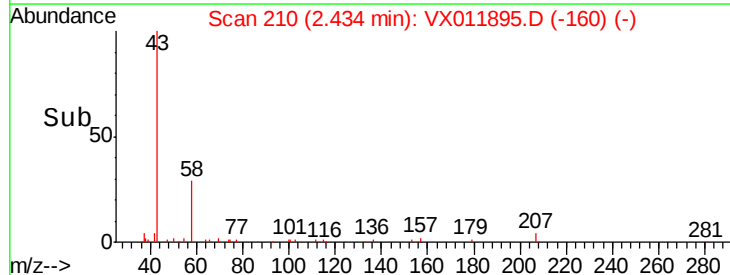
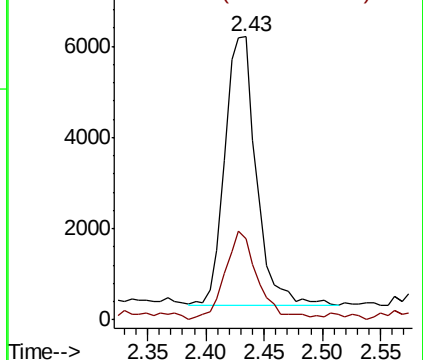
Ion Ratio Lower Upper

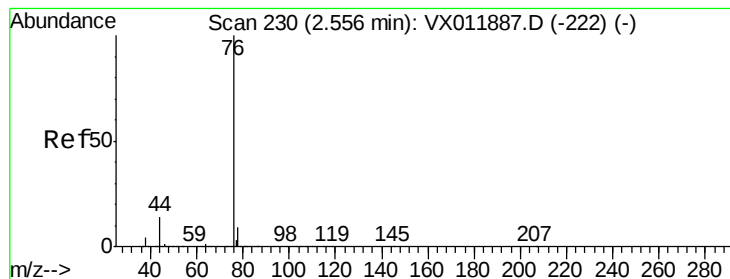
43 100

58 28.8 23.8 35.8



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





#17

Carbon Disulfide

Concen: 2.392 ug/l

RT: 2.56 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

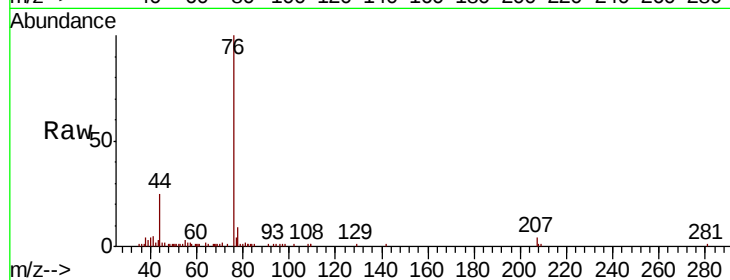
MDL02

Tgt Ion: 76 Resp: 15304

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

10000

8000

6000

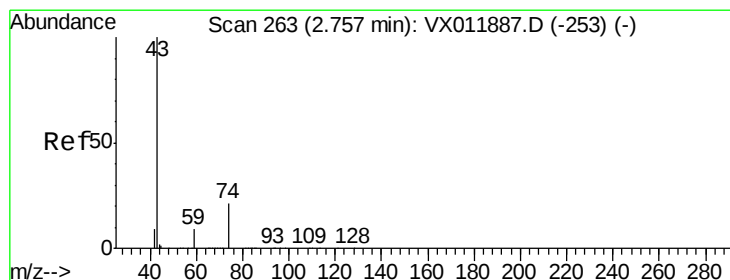
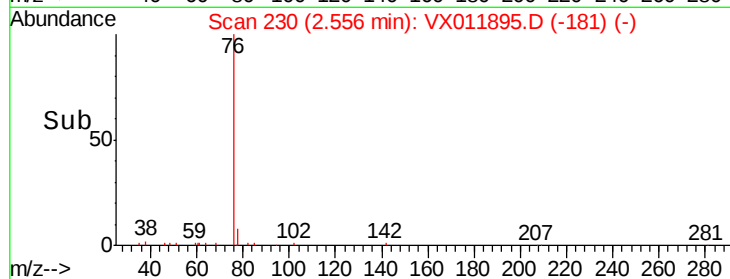
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 3.522 ug/l

RT: 2.76 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX011895.D

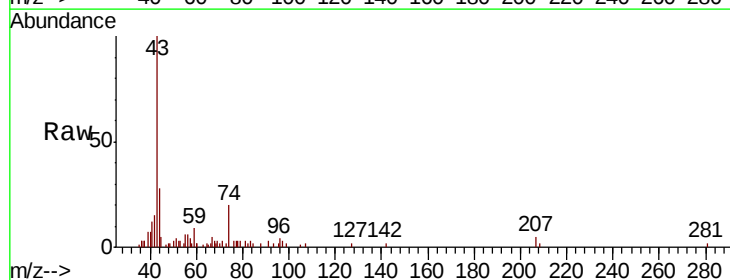
Acq: 30 Aug 2019 03:07

Tgt Ion: 43 Resp: 6383

Ion Ratio Lower Upper

43 100

74 25.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

4000

3000

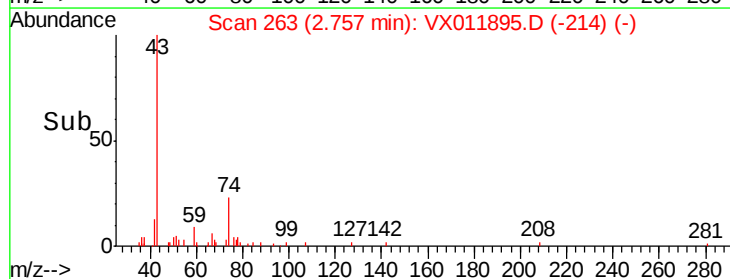
2000

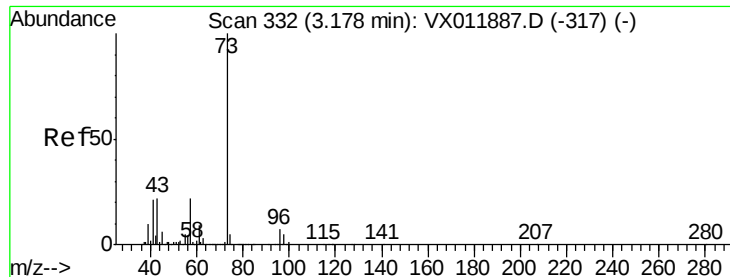
1000

0

Time-->

2.70 2.75 2.80 2.85





#19

Methyl tert-butyl Ether

Concen: 2.614 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

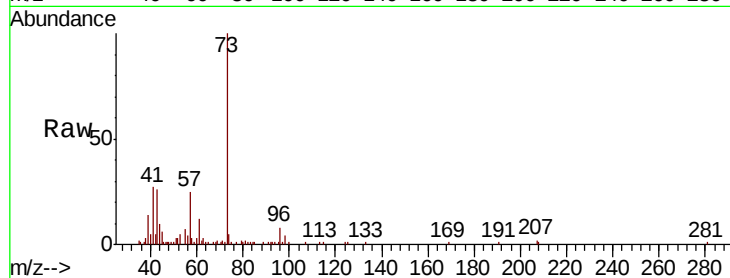
MDL02

Tgt Ion: 73 Resp: 18890

Ion Ratio Lower Upper

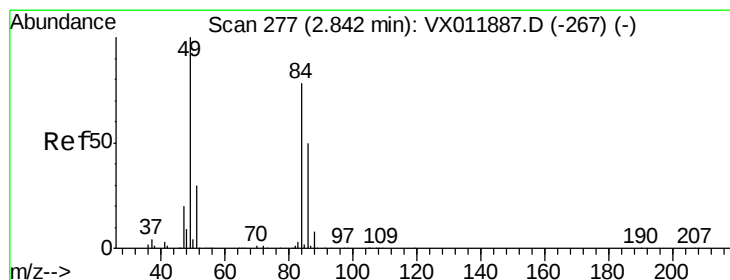
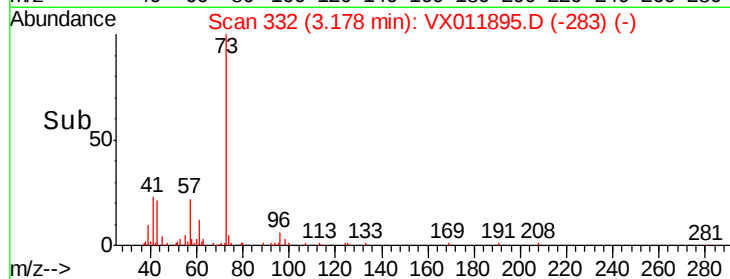
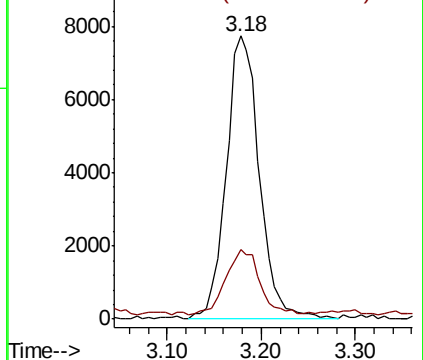
73 100

57 23.1 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 1.076 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Tgt Ion: 84 Resp: 16429

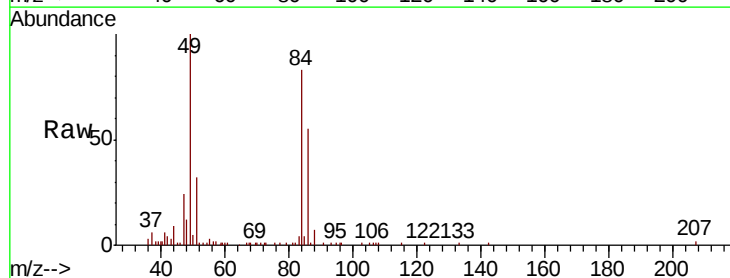
Ion Ratio Lower Upper

84 100

49 121.0 103.0 154.4

51 37.5 30.8 46.2

86 66.3 51.3 76.9

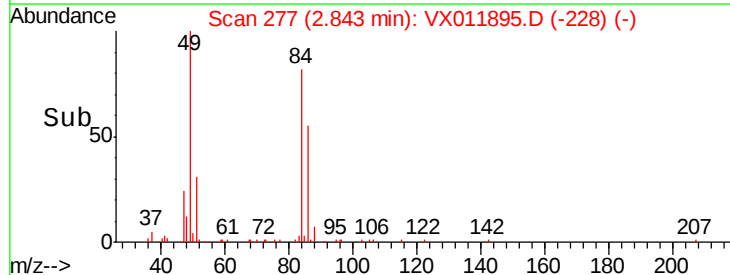
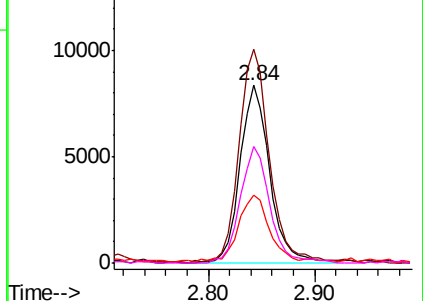


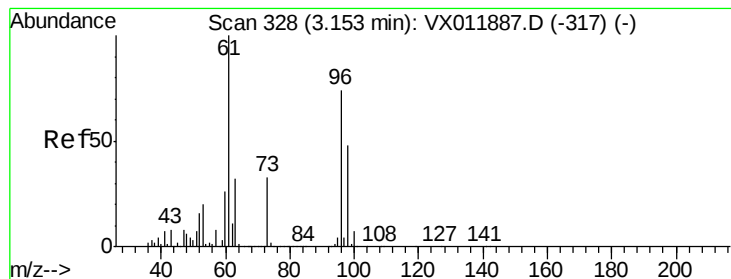
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 2.759 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

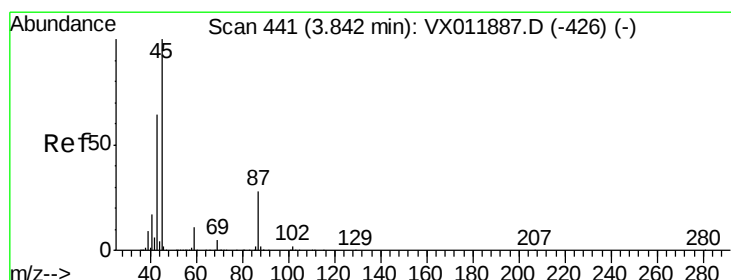
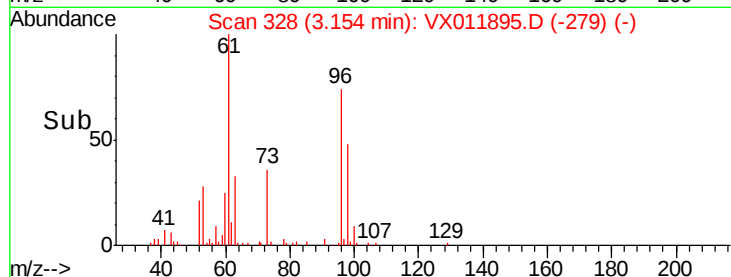
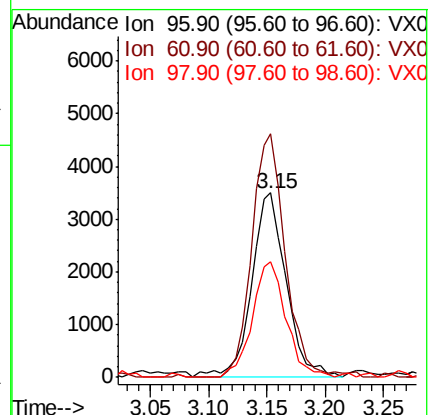
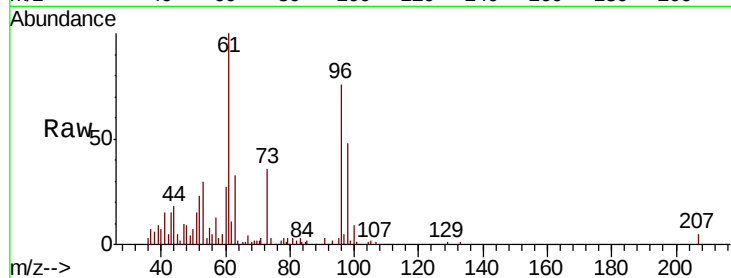
Tgt Ion: 96 Resp: 7250

Ion Ratio Lower Upper

96 100

61 131.8 107.4 161.2

98 62.7 51.4 77.2



#22

Diisopropyl ether

Concen: 2.541 ug/l

RT: 3.84 min Scan# 441

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Tgt Ion: 45 Resp: 21709

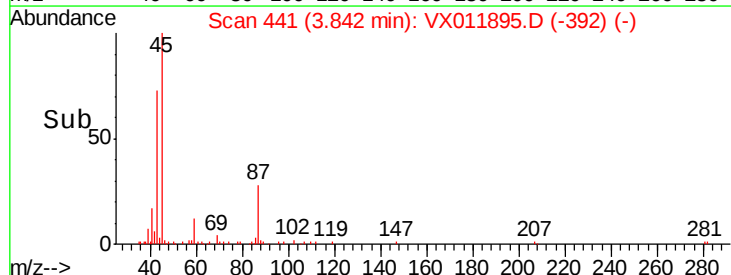
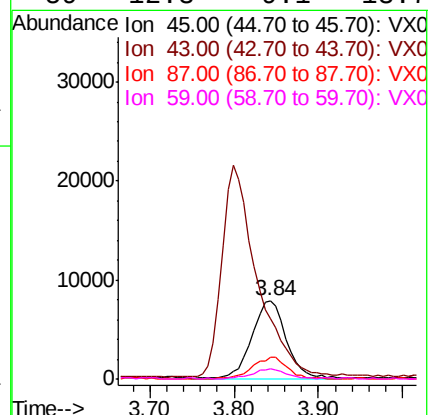
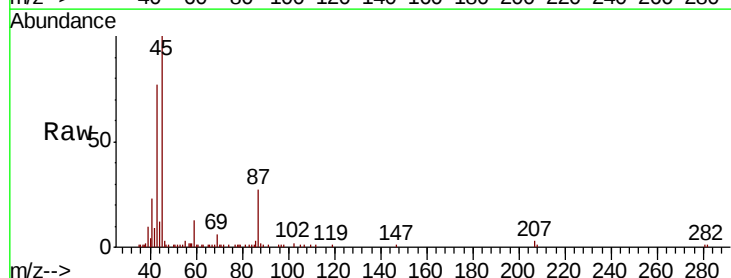
Ion Ratio Lower Upper

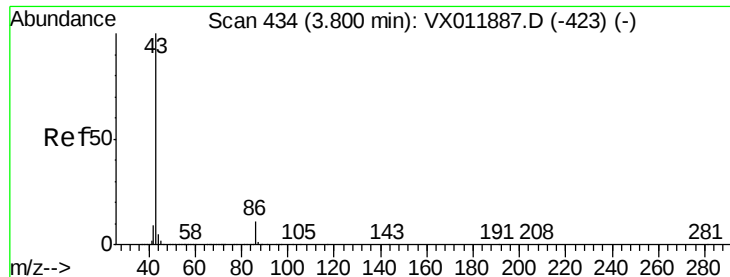
45 100

43 74.8 51.0 76.6

87 27.5 22.0 33.0

59 12.3 9.1 13.7

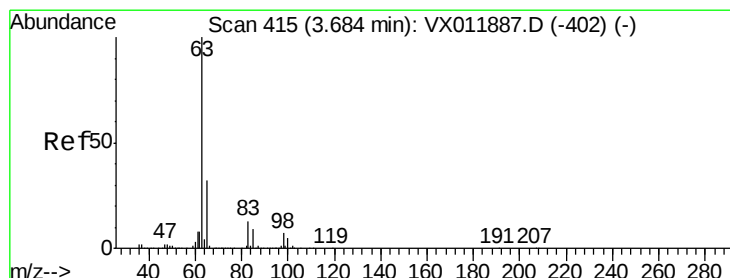
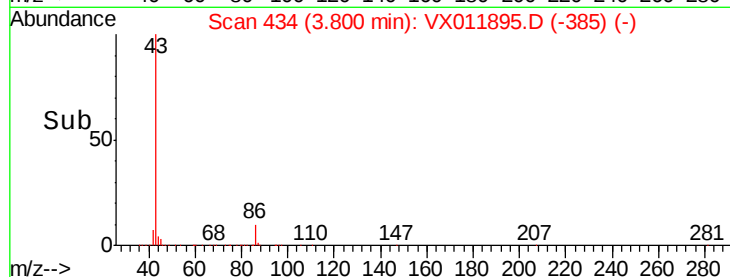
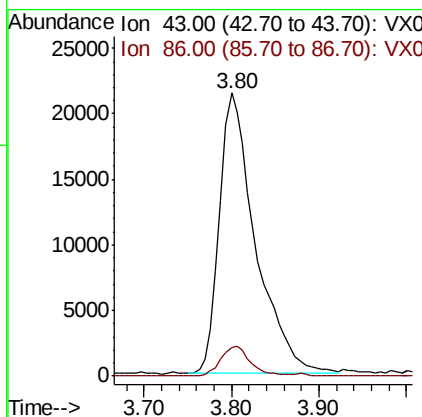
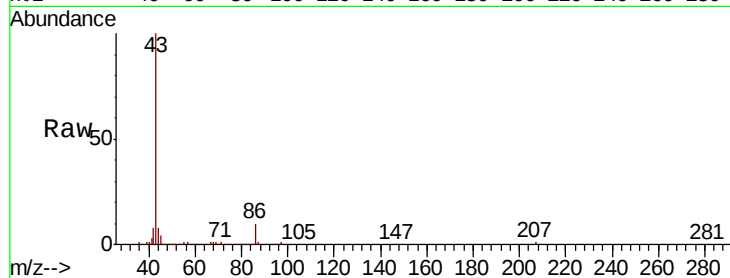




#23
 Vinyl Acetate
 Concen: 11.177 ug/l
 RT: 3.80 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

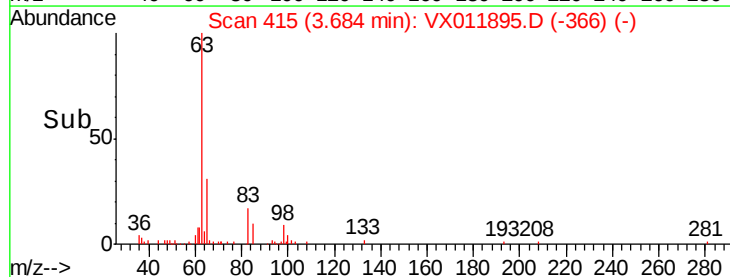
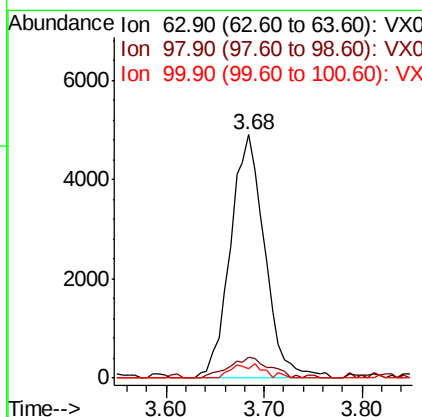
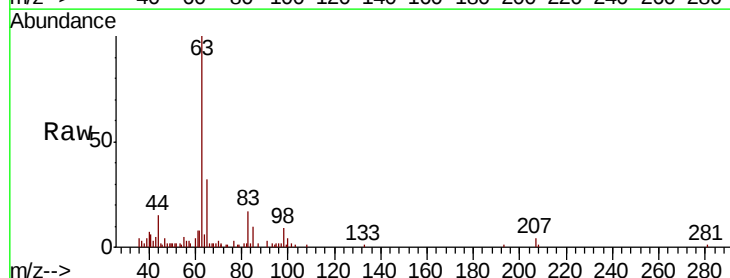
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

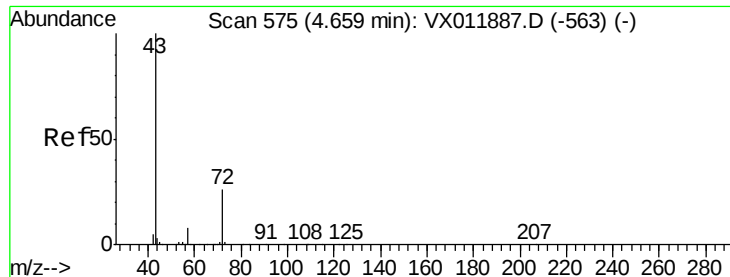
Tgt Ion: 43 Resp: 61385
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 2.530 ug/l
 RT: 3.68 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion: 63 Resp: 11916
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.8 11.2
 100 4.0 2.4 7.2





#25

2-Butanone

Concen: 12.142 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.02 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

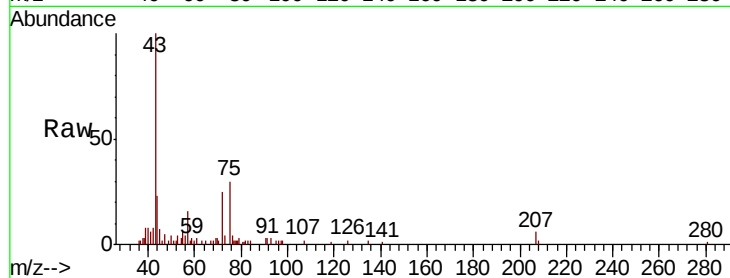
MDL02

Tgt Ion: 43 Resp: 11578

Ion Ratio Lower Upper

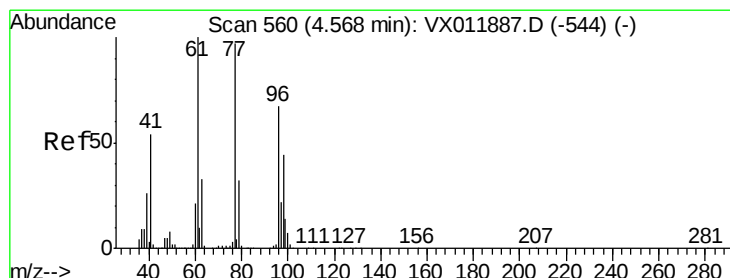
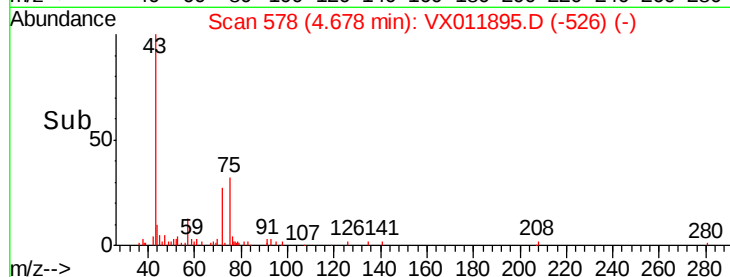
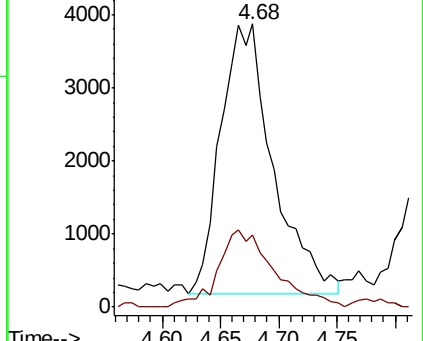
43 100

72 25.0 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.290 ug/l

RT: 4.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VX011895.D

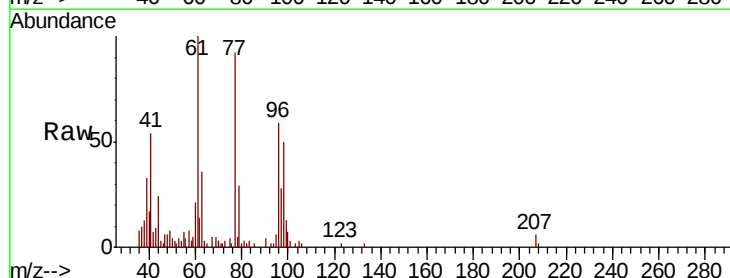
Acq: 30 Aug 2019 03:07

Tgt Ion: 77 Resp: 9049

Ion Ratio Lower Upper

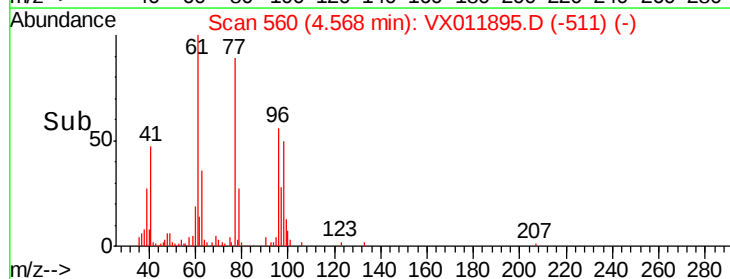
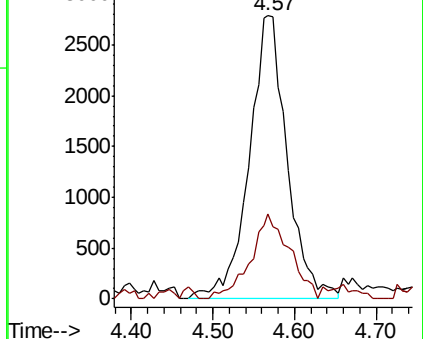
77 100

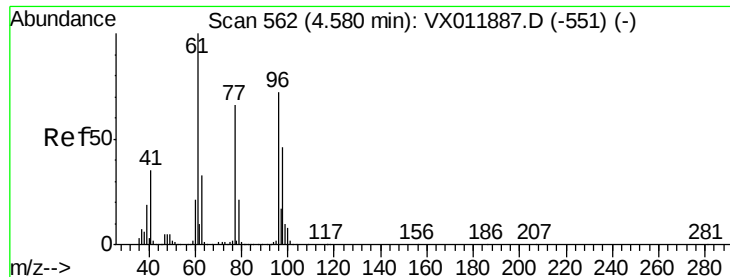
97 30.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



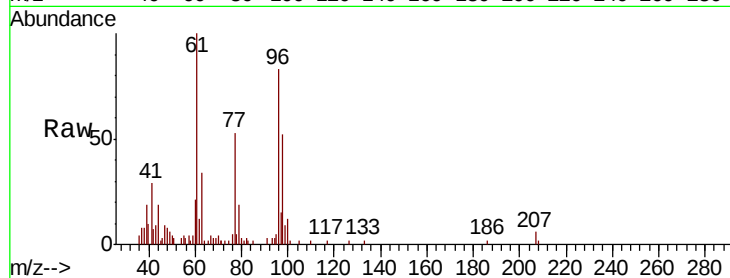


#27

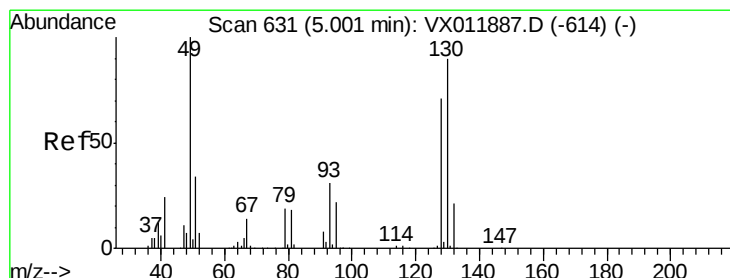
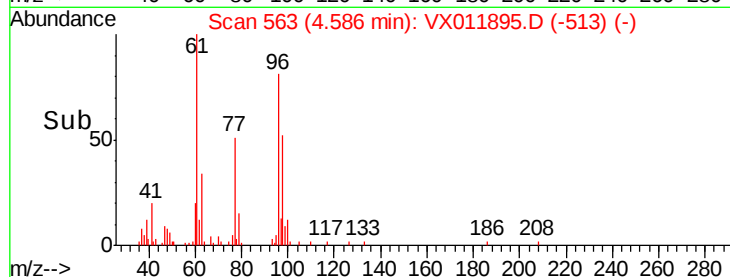
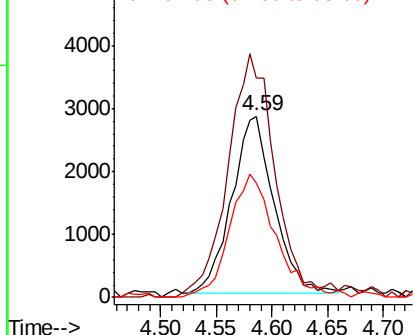
cis-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tgt Ion: 96 Resp: 7457
Ion Ratio Lower Upper
96 100
61 151.7 0.0 283.8
98 76.5 0.0 131.2



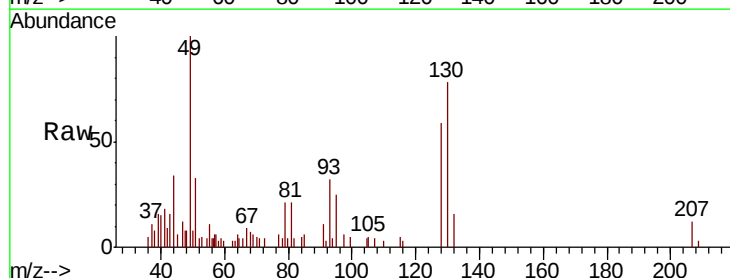
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



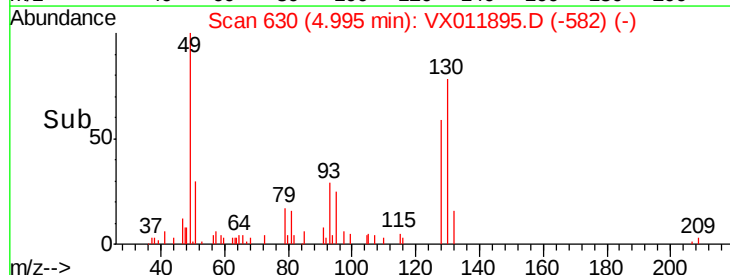
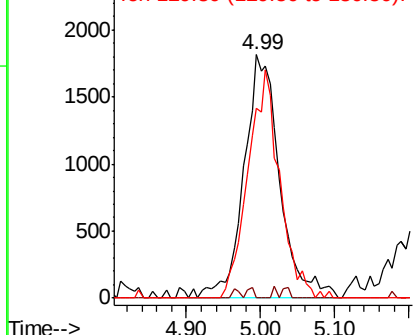
#28

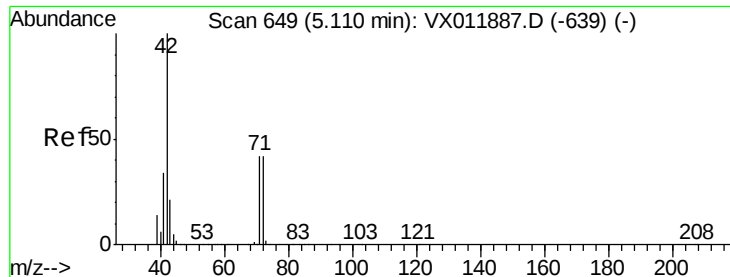
Bromochloromethane
Concen: 2.897 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 49 Resp: 6124
Ion Ratio Lower Upper
49 100
129 0.9 0.0 4.8
130 0.0 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: 13.161 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

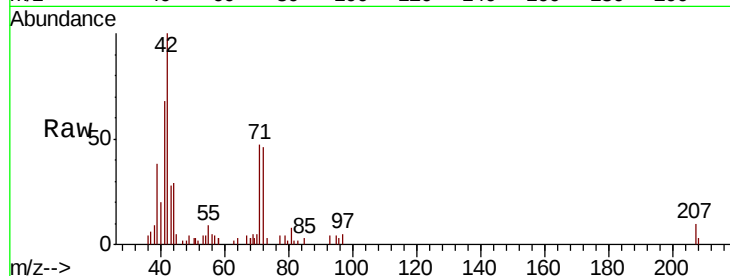
Tgt Ion: 42 Resp: 7833

Ion Ratio Lower Upper

42 100

72 48.8 36.2 54.4

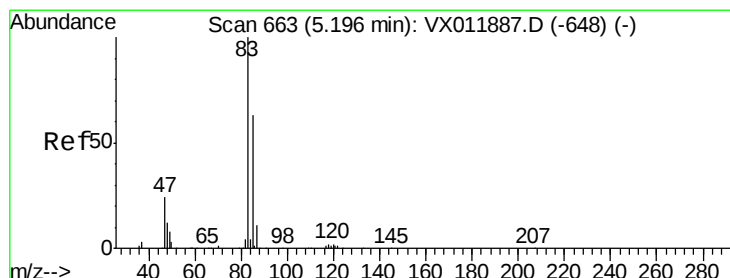
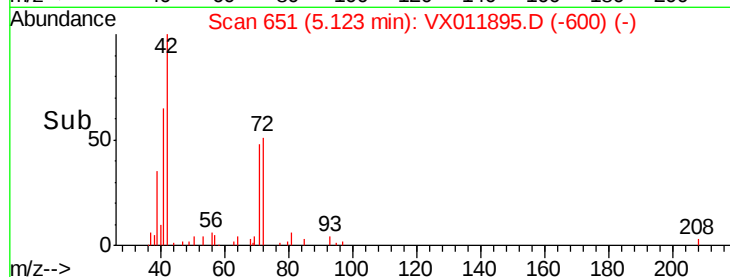
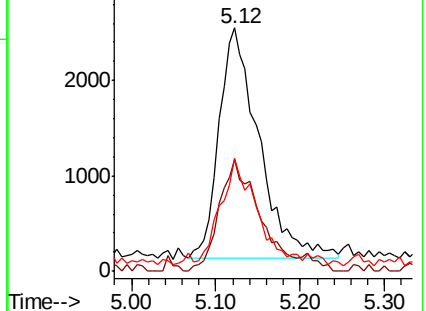
71 39.7 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 2.830 ug/l

RT: 5.20 min Scan# 663

Delta R.T. 0.00 min

Lab File: VX011895.D

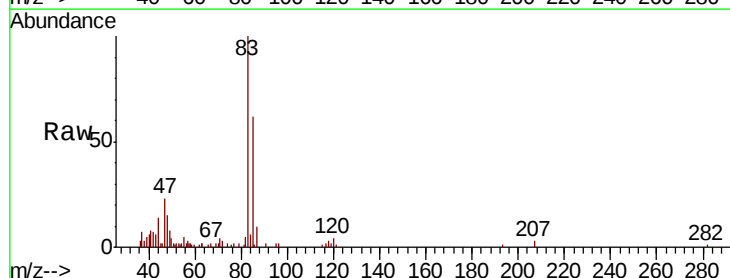
Acq: 30 Aug 2019 03:07

Tgt Ion: 83 Resp: 14256

Ion Ratio Lower Upper

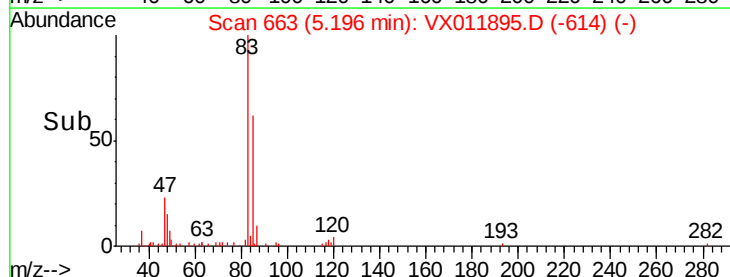
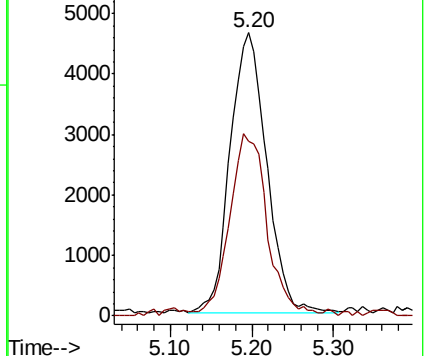
83 100

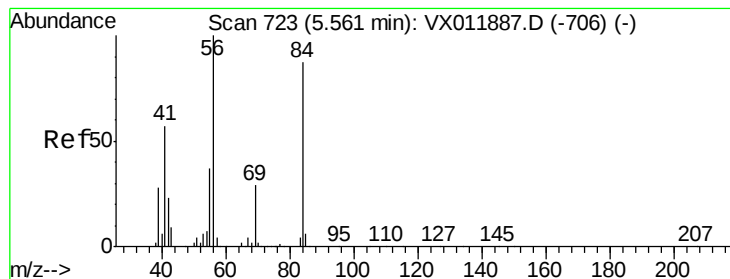
85 62.4 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 2.392 ug/l

RT: 5.56 min Scan# 722

Delta R.T. -0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

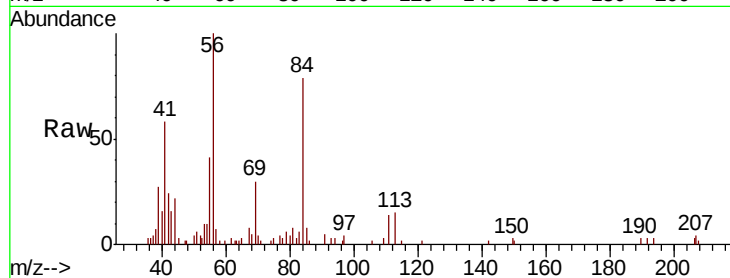
Tgt Ion: 56 Resp: 9088

Ion Ratio Lower Upper

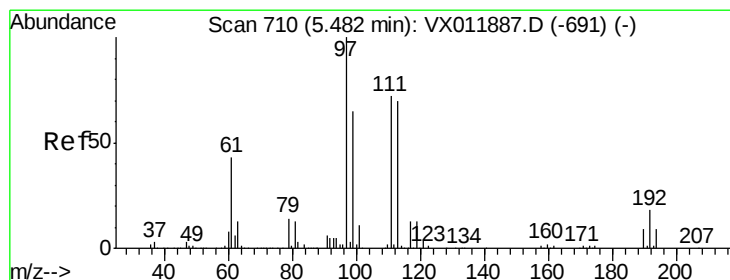
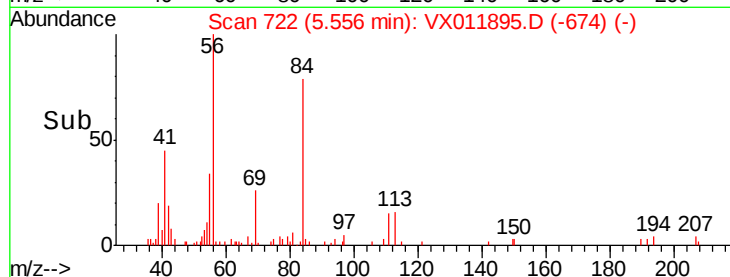
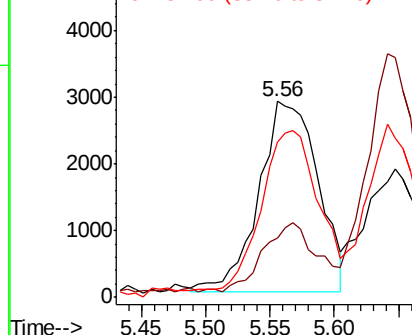
56 100

69 26.9 23.1 34.7

84 80.2 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 2.437 ug/l

RT: 5.48 min Scan# 710

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

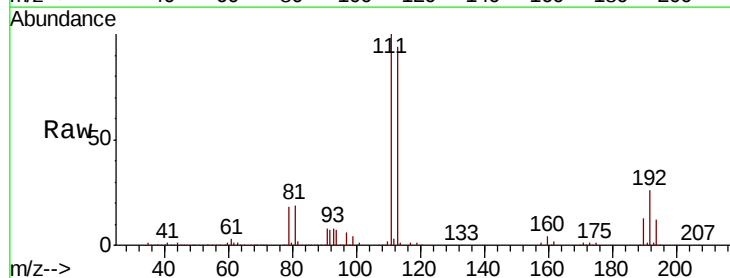
Tgt Ion: 97 Resp: 10904

Ion Ratio Lower Upper

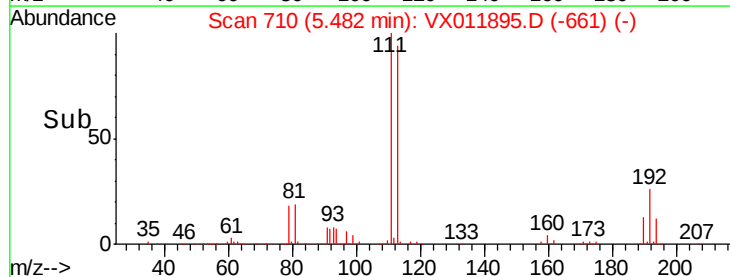
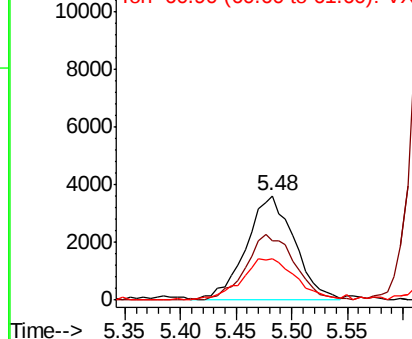
97 100

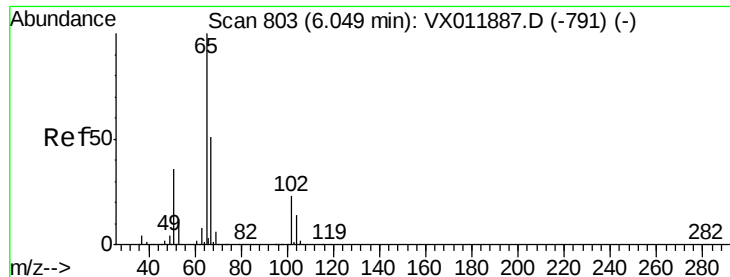
99 63.6 51.8 77.8

61 44.5 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.172 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

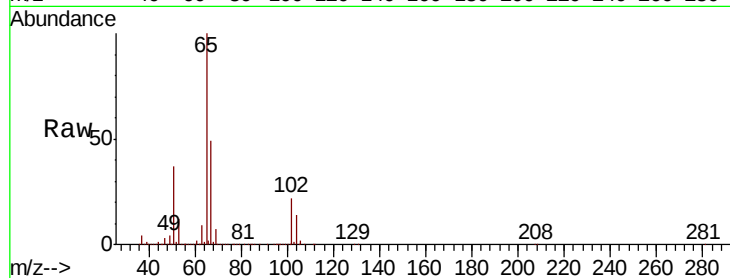
MDL02

Tgt Ion: 65 Resp: 170923

Ion Ratio Lower Upper

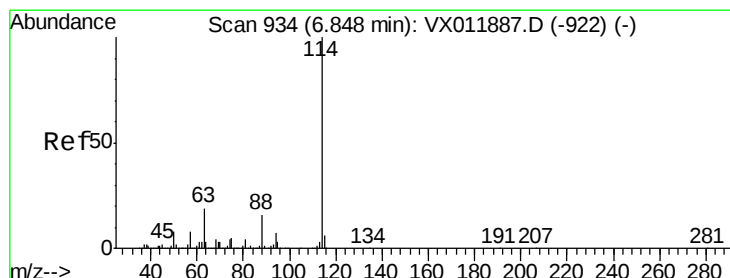
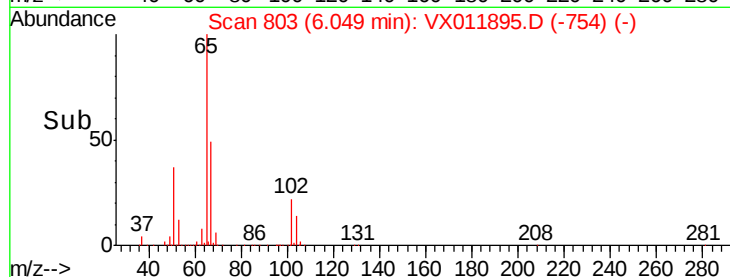
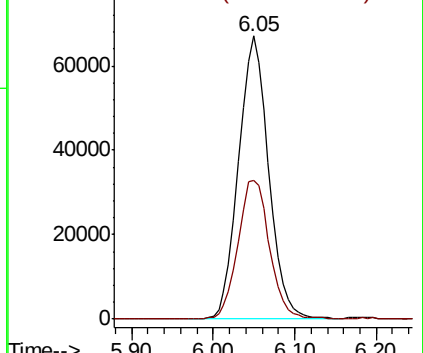
65 100

67 51.5 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: VX011895.D

Acq: 30 Aug 2019 03:07

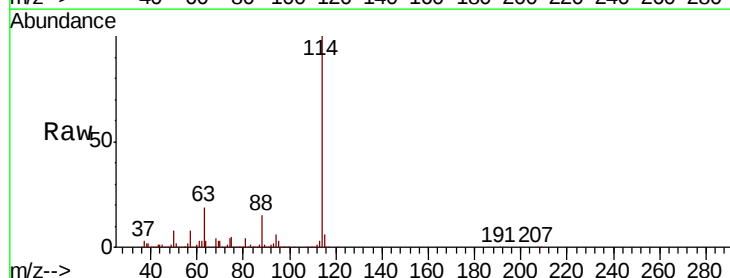
Tgt Ion: 114 Resp: 475965

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

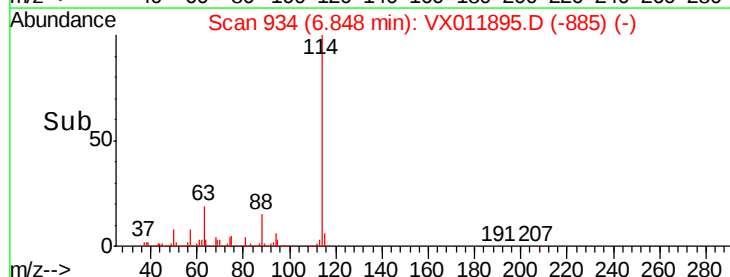
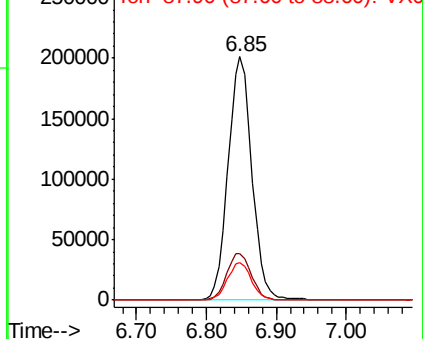
88 15.5 0.0 31.2

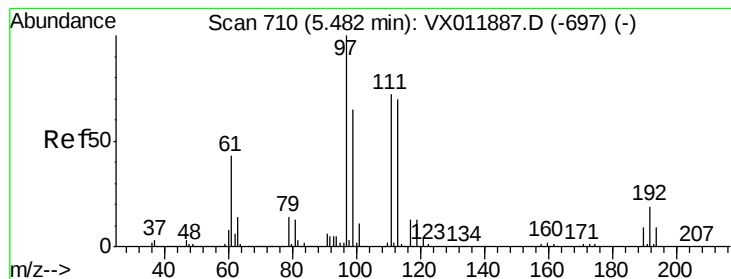


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.257 ug/l

RT: 5.48 min Scan# 710

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

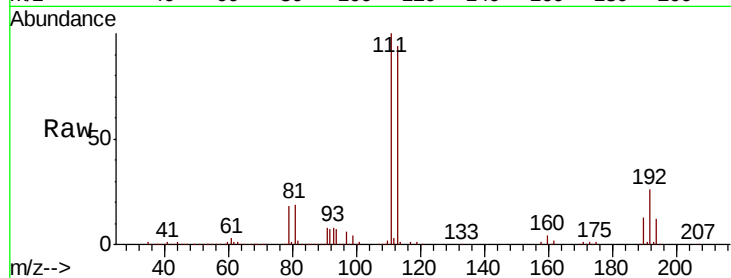
Tgt Ion:113 Resp: 153389

Ion Ratio Lower Upper

113 100

111 104.4 82.1 123.1

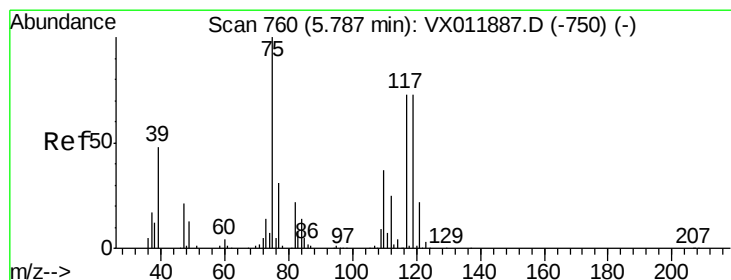
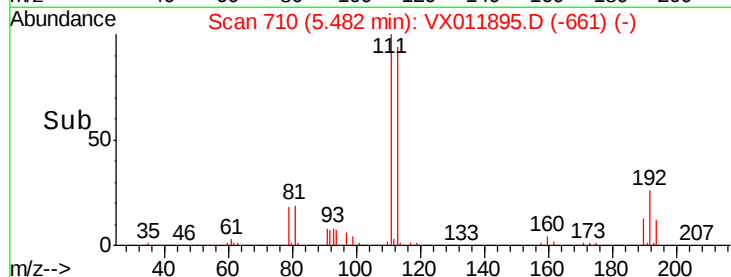
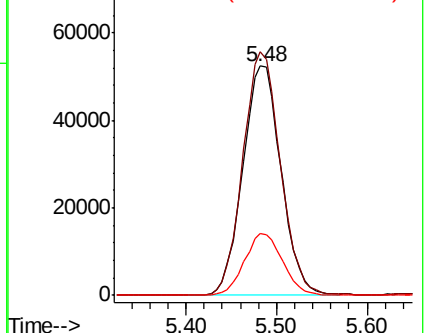
192 27.1 21.5 32.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.325 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

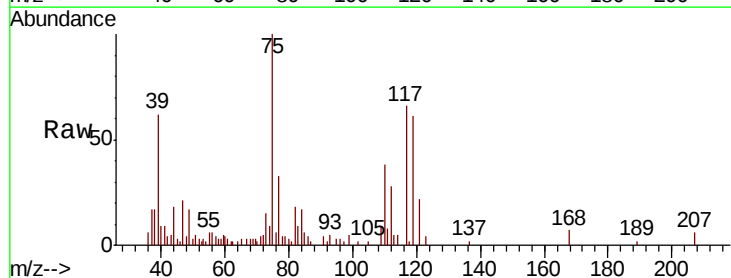
Tgt Ion: 75 Resp: 8768

Ion Ratio Lower Upper

75 100

110 39.8 19.1 57.3

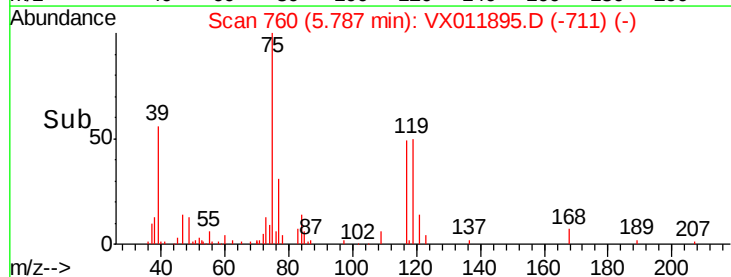
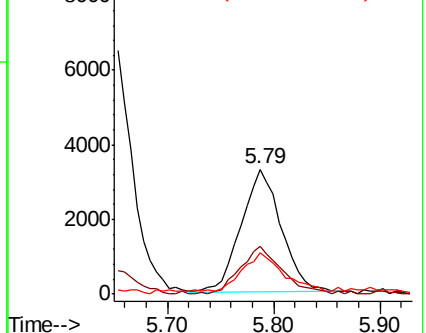
77 37.9 24.4 36.6#

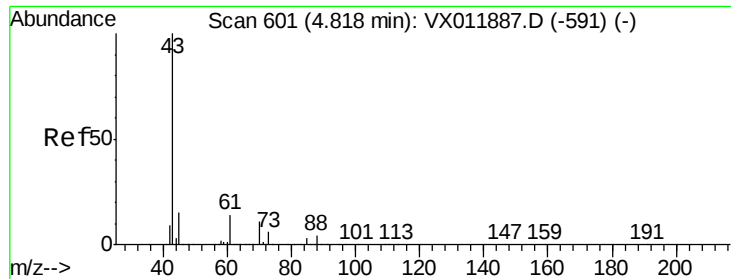


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

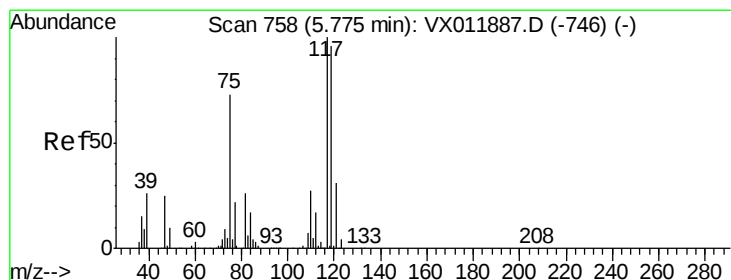
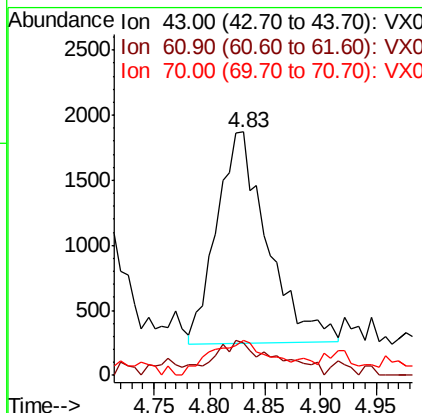
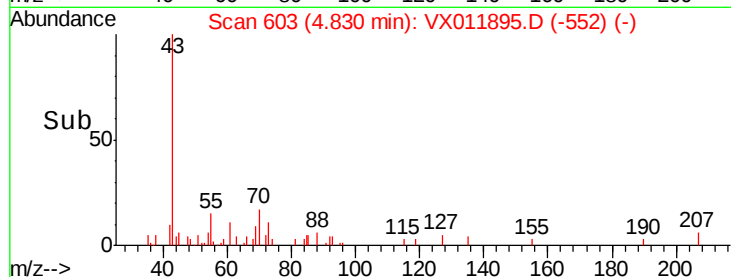
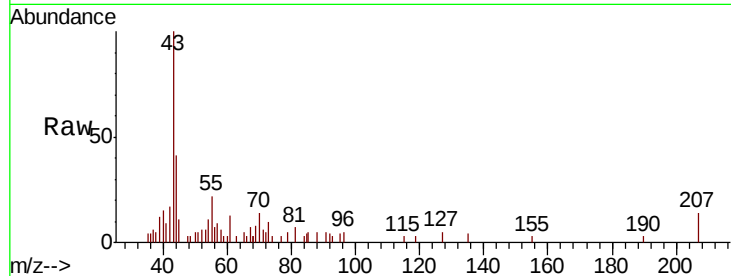




#37
Ethyl Acetate
Concen: 2.288 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

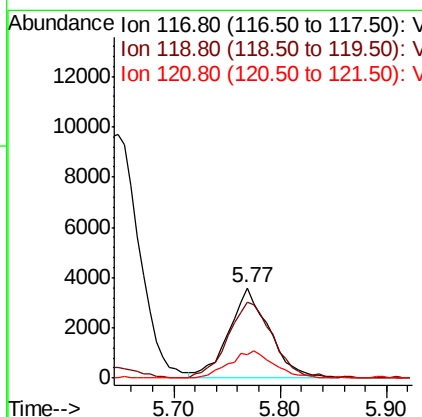
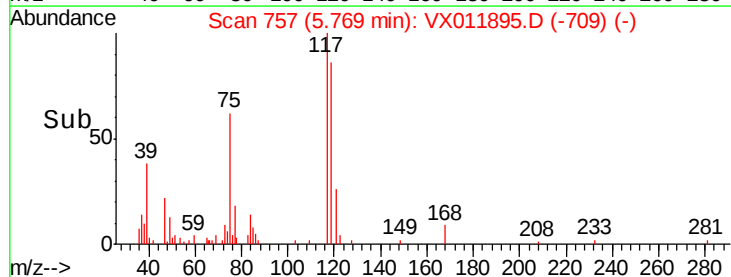
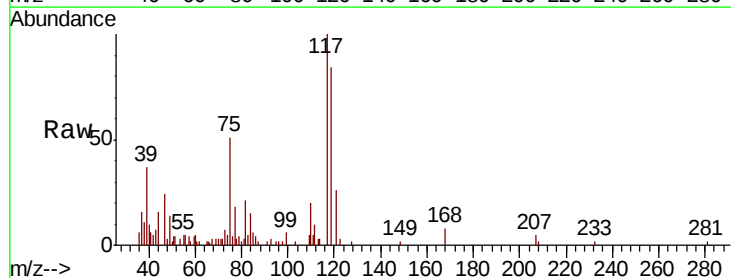
Instrument :
MSVOA_X
ClientSampled :
MDL02

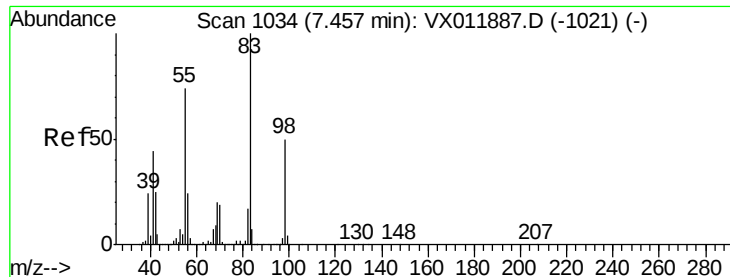
Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
61 20.7 11.0 16.4#
70 19.3 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 2.187 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 117 Resp: 9565
Ion Ratio Lower Upper
117 100
119 84.1 76.6 114.8
121 25.7 24.7 37.1

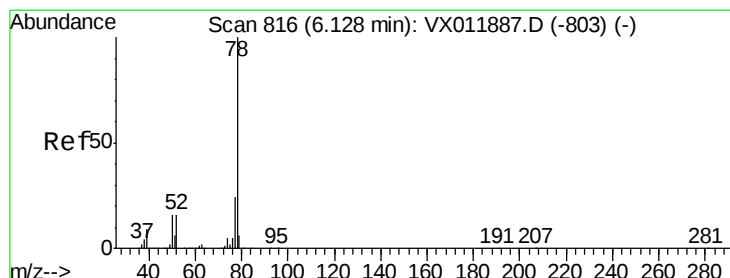
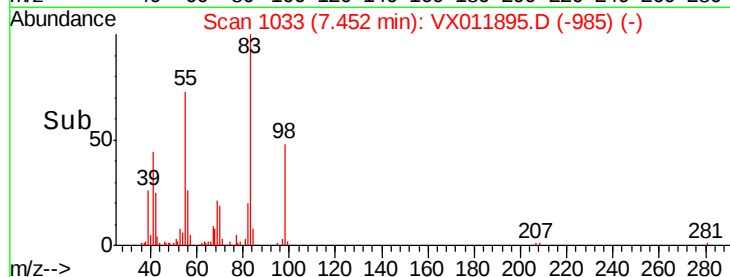
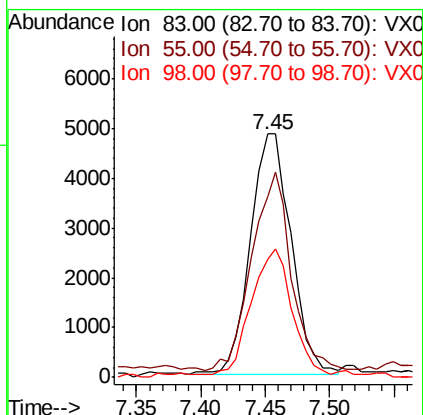
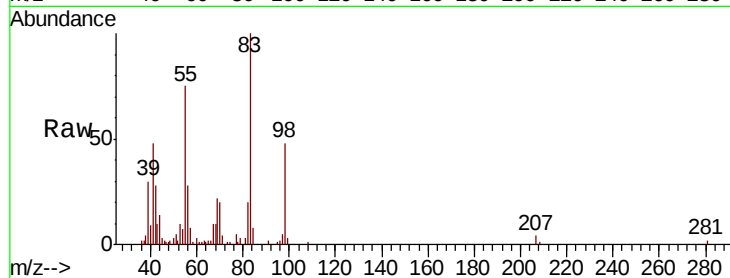




#39
Methylcyclohexane
Concen: 2.352 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

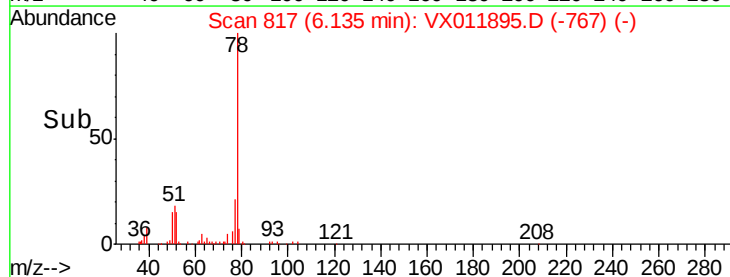
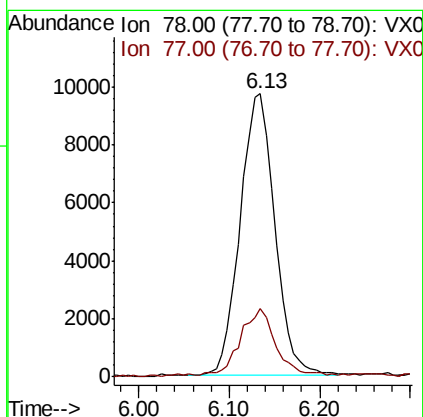
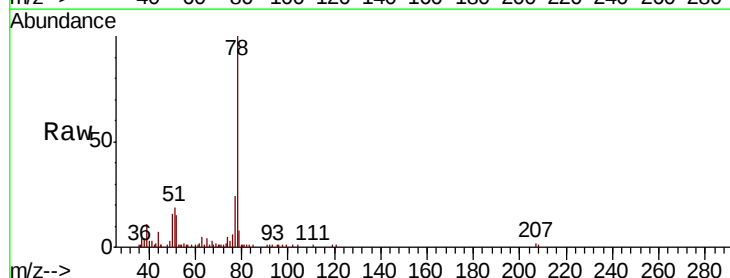
Instrument :
MSVOA_X
ClientSampleId :
MDL02

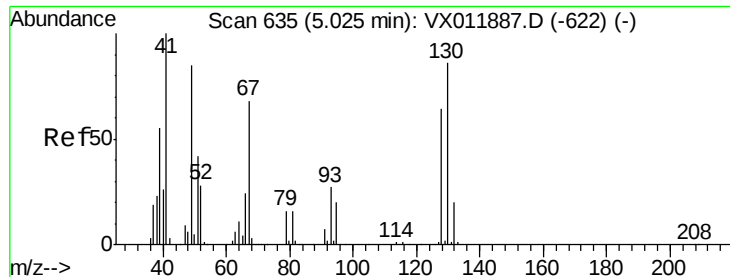
Tgt Ion: 83 Resp: 10566
Ion Ratio Lower Upper
83 100
55 71.5 59.4 89.0
98 47.9 40.3 60.5



#40
Benzene
Concen: 2.284 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 78 Resp: 25712
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 2.311 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tgt Ion: 41 Resp: 3037

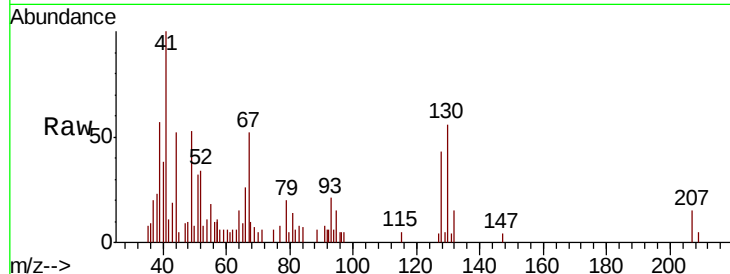
Ion Ratio Lower Upper

41 100

39 56.2 45.0 67.6

67 79.3 55.0 82.4

52 29.6 24.1 36.1

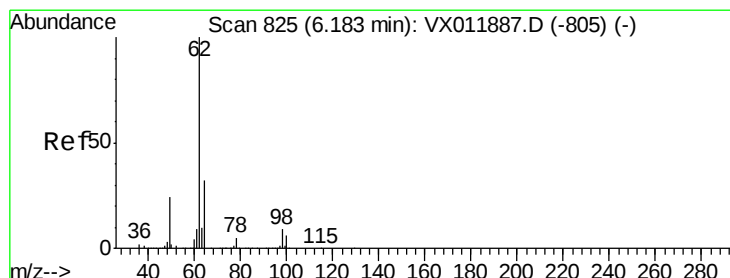
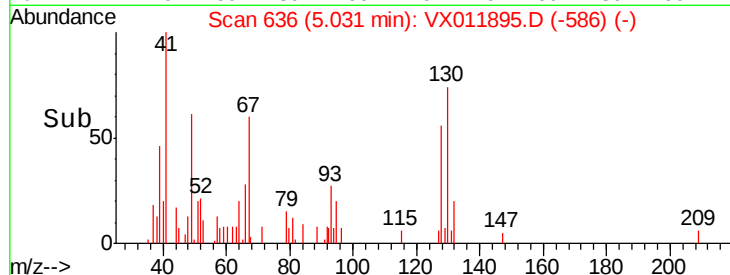
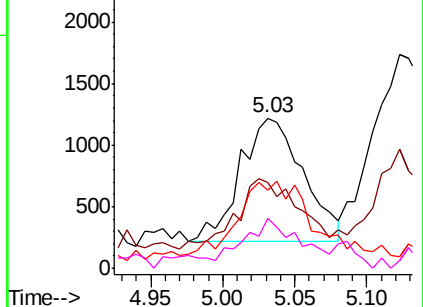


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 2.388 ug/l

RT: 6.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX011895.D

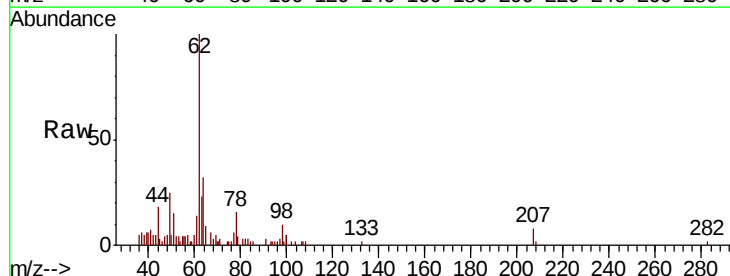
Acq: 30 Aug 2019 03:07

Tgt Ion: 62 Resp: 9139

Ion Ratio Lower Upper

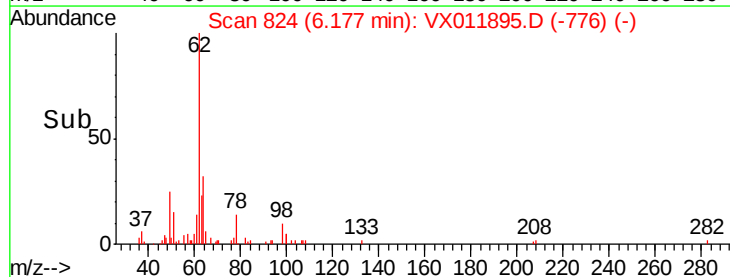
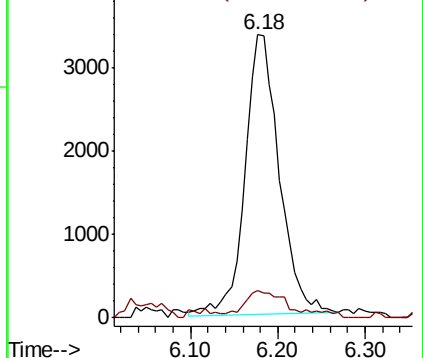
62 100

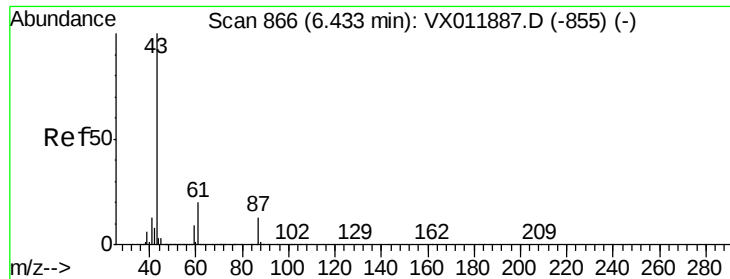
98 9.0 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.215 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

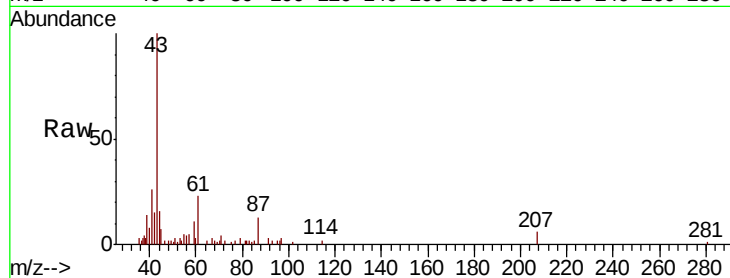
Tgt Ion: 43 Resp: 10022

Ion Ratio Lower Upper

43 100

61 24.3 16.1 24.1#

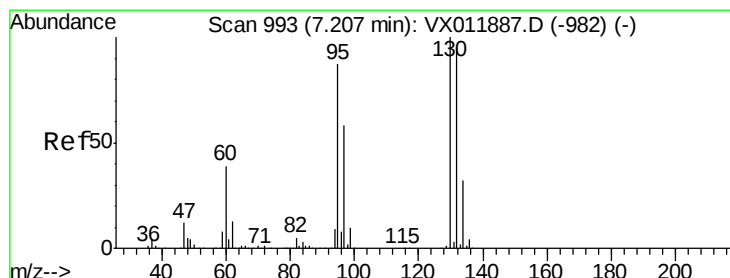
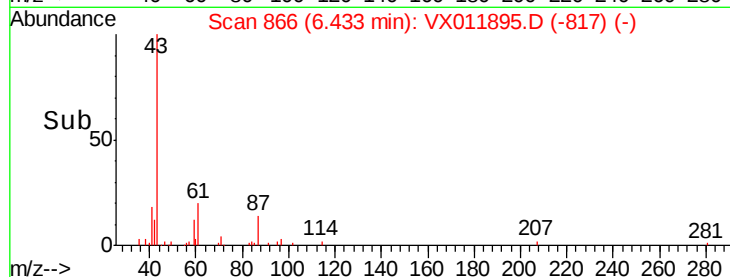
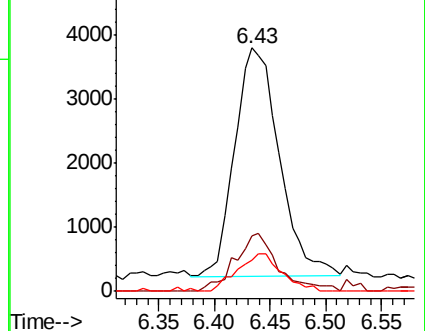
87 16.0 10.6 16.0#



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: 2.364 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011895.D

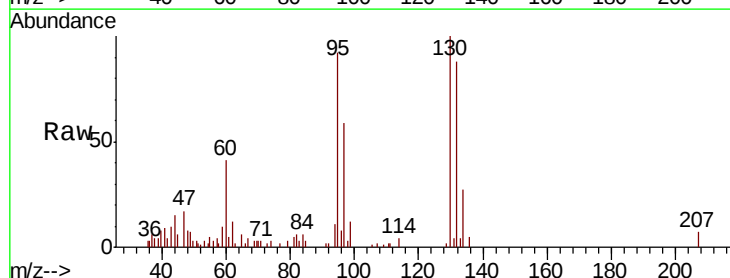
Acq: 30 Aug 2019 03:07

Tgt Ion: 130 Resp: 8232

Ion Ratio Lower Upper

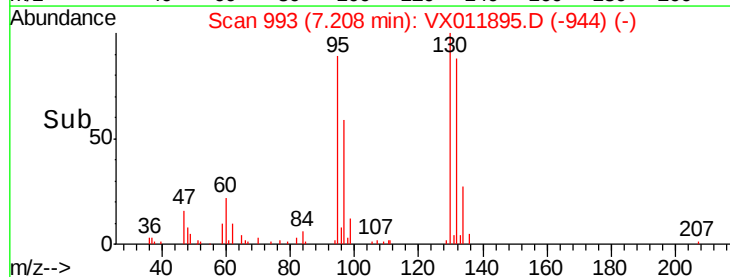
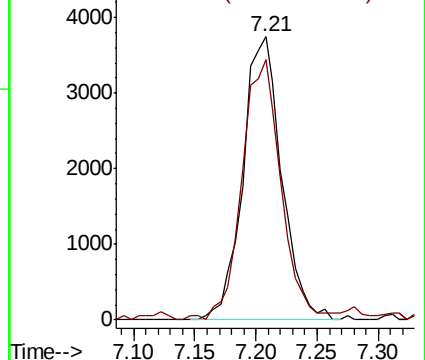
130 100

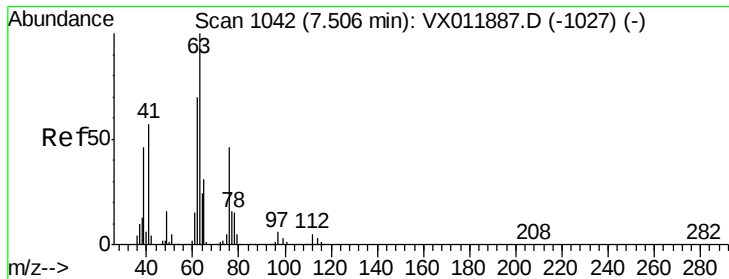
95 90.6 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 2.463 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

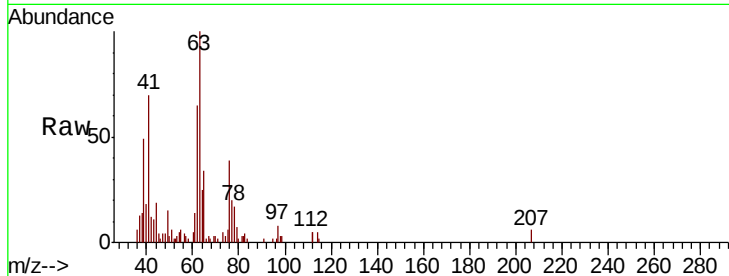
MDL02

Tgt Ion: 63 Resp: 7251

Ion Ratio Lower Upper

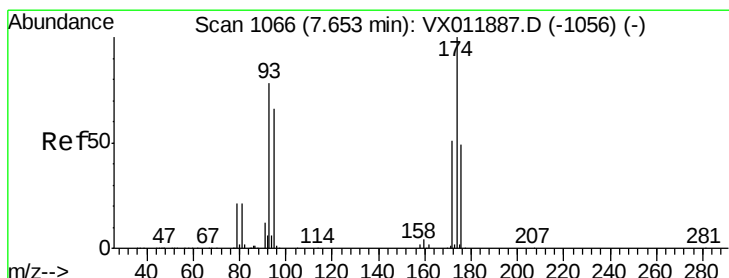
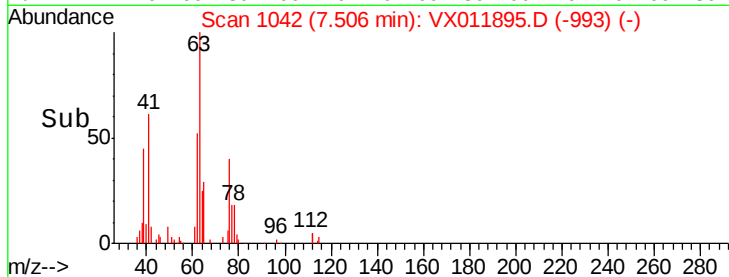
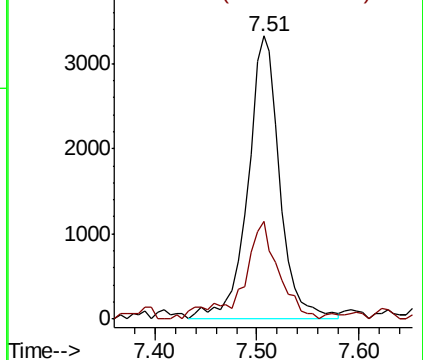
63 100

65 32.7 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.539 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

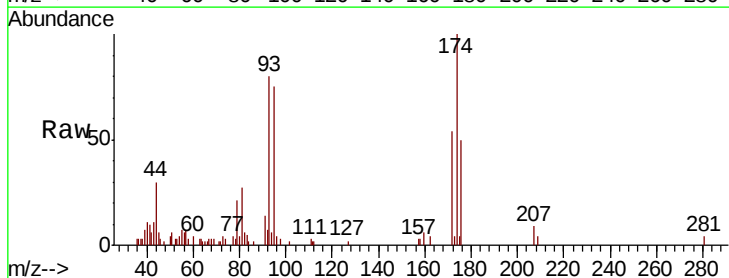
Tgt Ion: 93 Resp: 4437

Ion Ratio Lower Upper

93 100

95 89.7 65.7 98.5

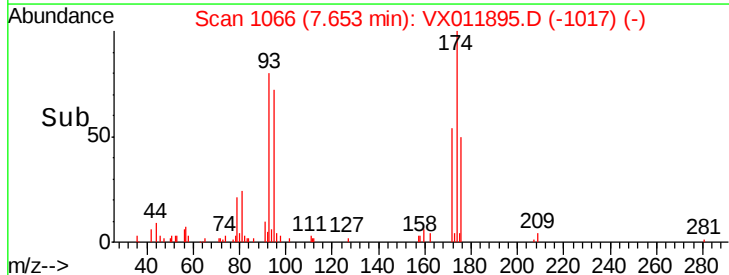
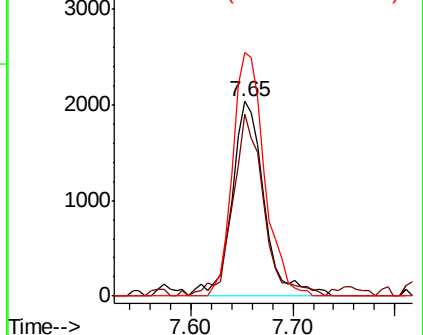
174 123.1 104.2 156.4

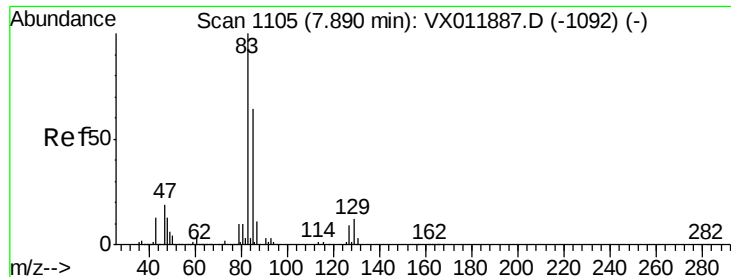


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.421 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

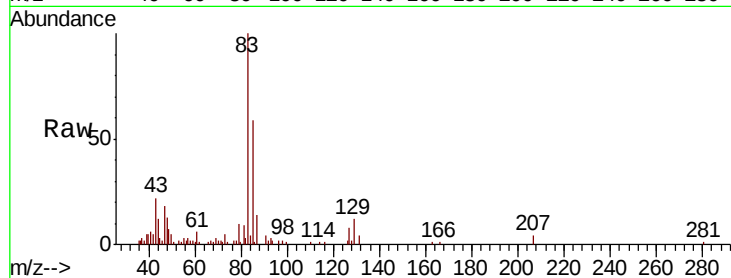
Tgt Ion: 83 Resp: 10490

Ion Ratio Lower Upper

83 100

85 57.3 51.1 76.7

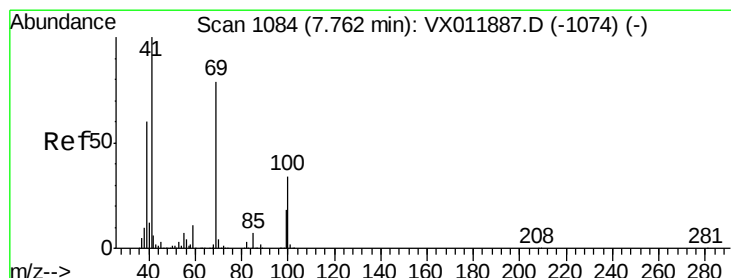
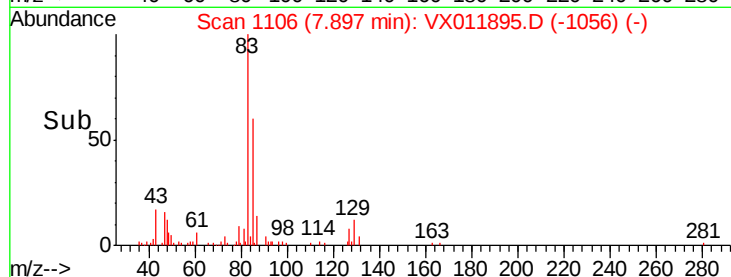
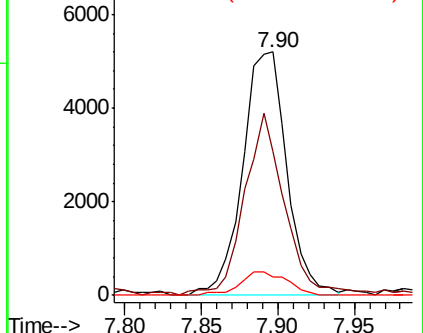
127 7.7 7.4 11.2



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: 2.480 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

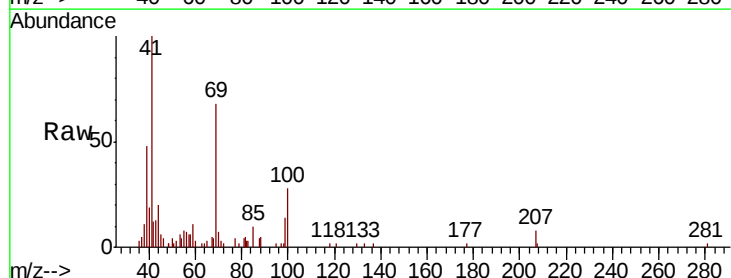
Tgt Ion: 41 Resp: 5461

Ion Ratio Lower Upper

41 100

69 76.7 64.4 96.6

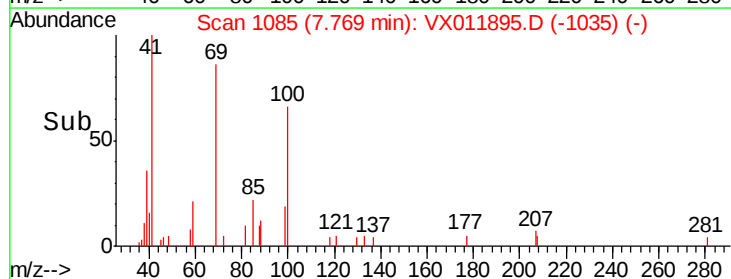
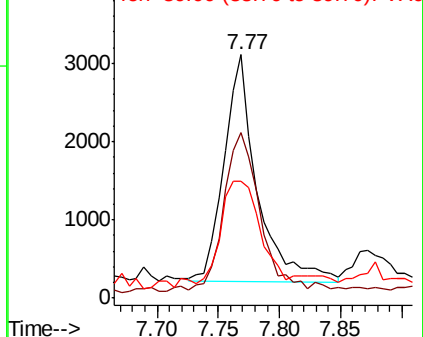
39 59.5 47.2 70.8

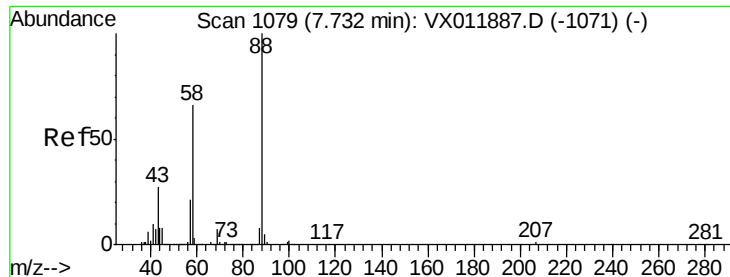


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

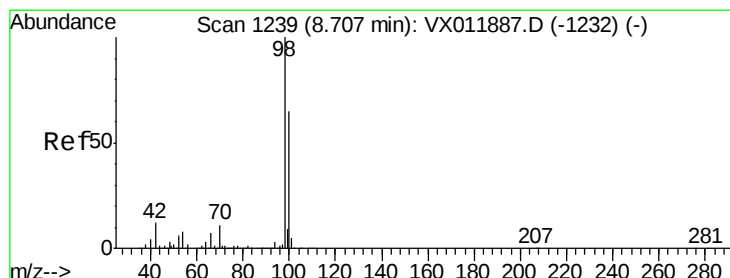
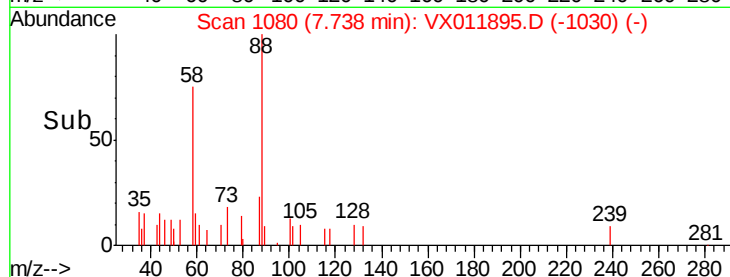
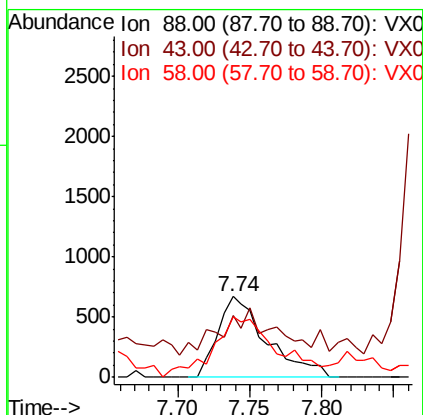
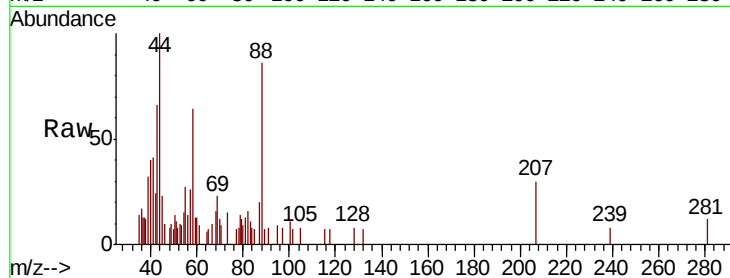




#49
1,4-Dioxane
Concen: 52.247 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

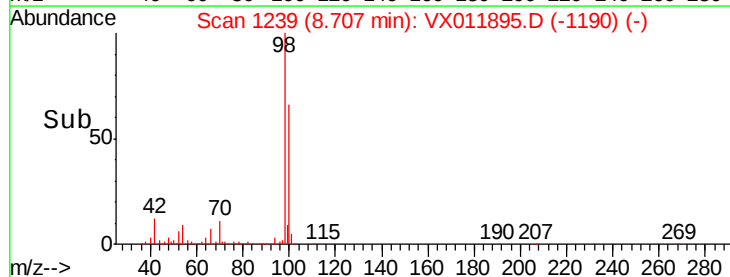
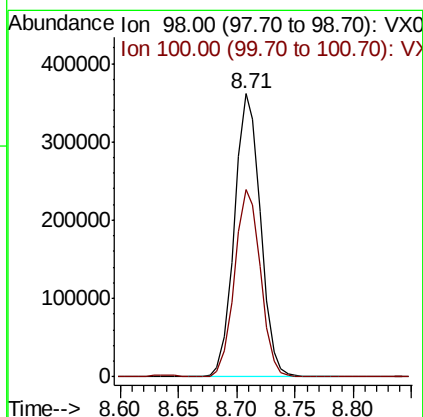
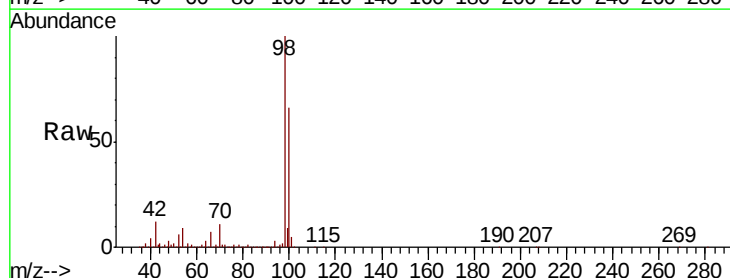
Instrument :
MSVOA_X
ClientSampleId :
MDL02

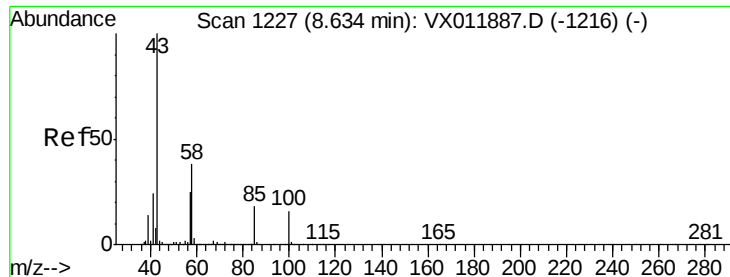
Tgt Ion: 88 Resp: 1582
Ion Ratio Lower Upper
88 100
43 65.2 27.3 40.9#
58 97.5 53.9 80.9#



#50
Toluene-d8
Concen: 51.726 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 98 Resp: 564344
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6

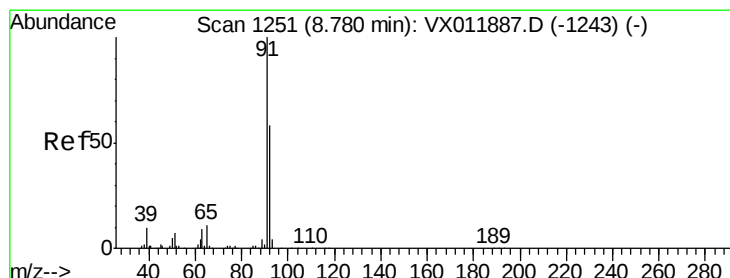
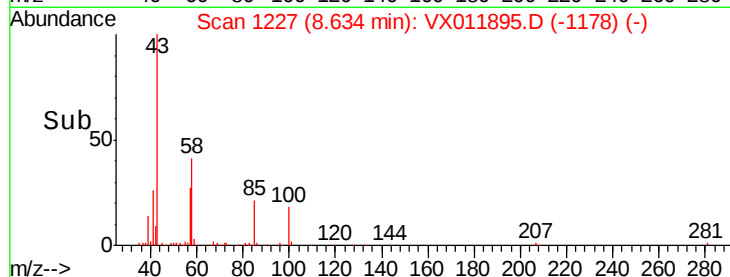
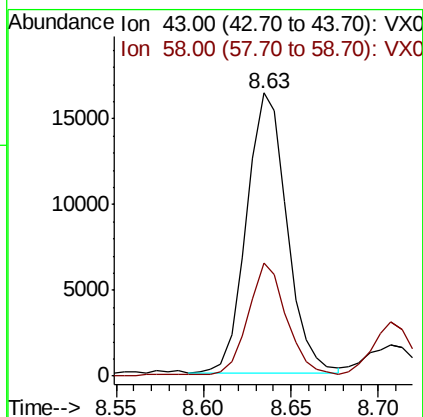
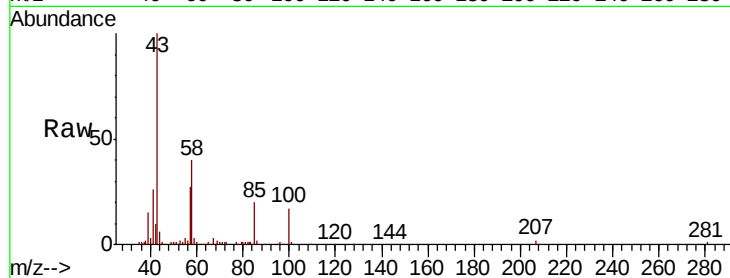




#51
 4-Methyl-2-Pentanone
 Concen: 11.413 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

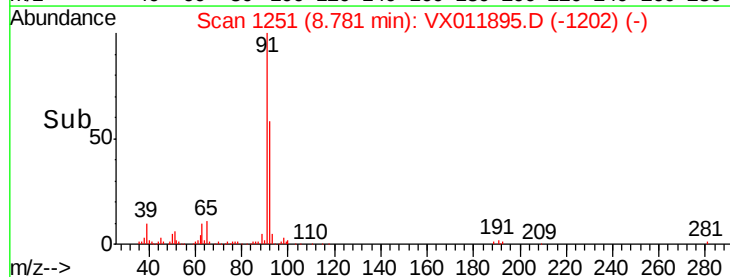
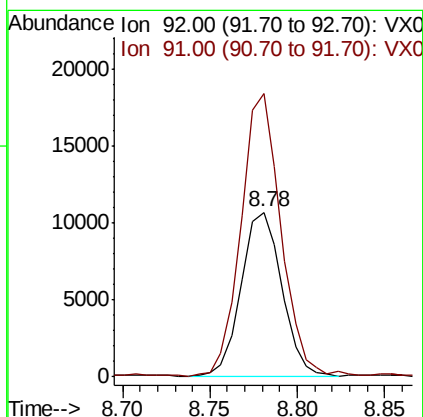
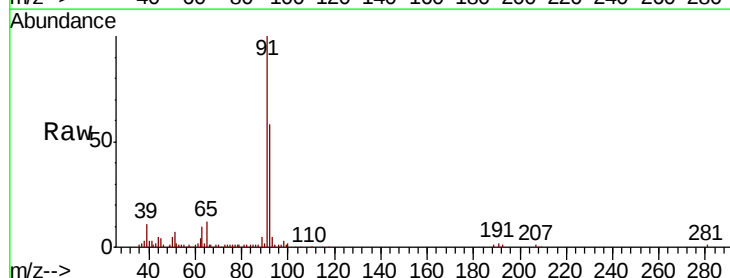
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

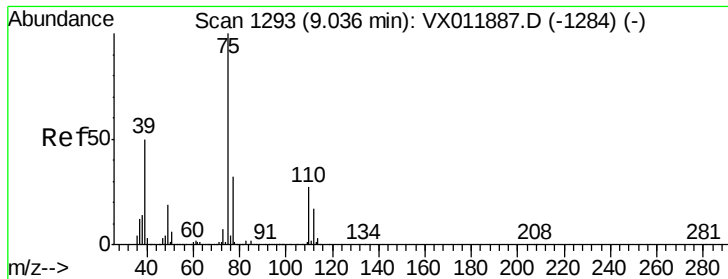
Tgt Ion: 43 Resp: 26238
 Ion Ratio Lower Upper
 43 100
 58 39.7 30.9 46.3



#52
 Toluene
 Concen: 2.343 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion: 92 Resp: 17449
 Ion Ratio Lower Upper
 92 100
 91 166.1 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 2.329 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

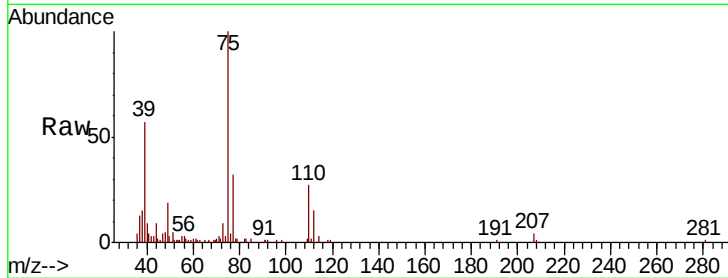
MDL02

Tgt Ion: 75 Resp: 10336

Ion Ratio Lower Upper

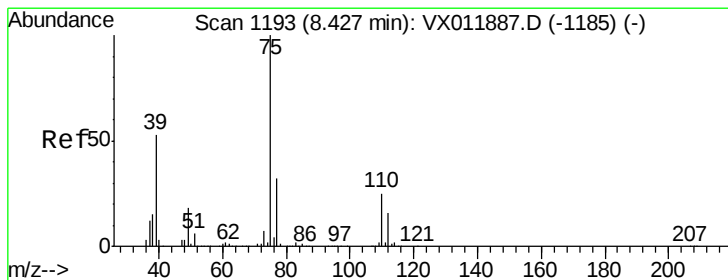
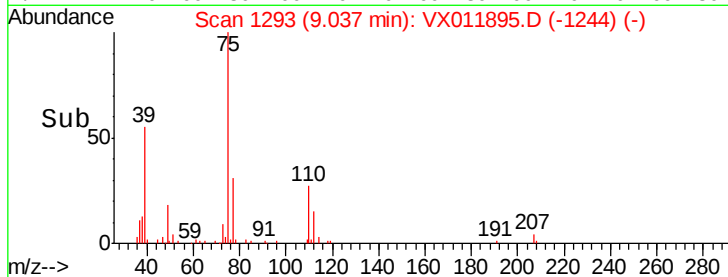
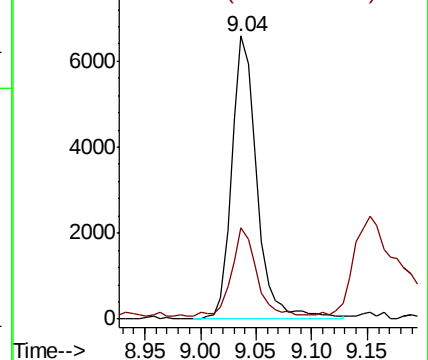
75 100

77 31.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 2.267 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.01 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

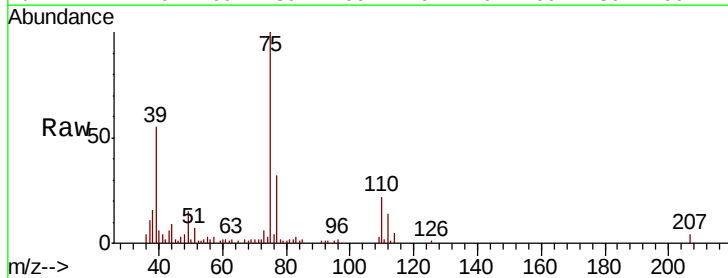
Tgt Ion: 75 Resp: 11296

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

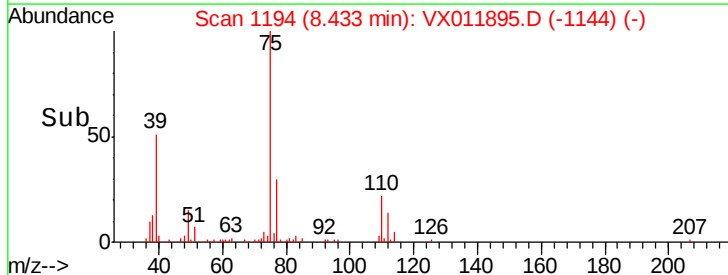
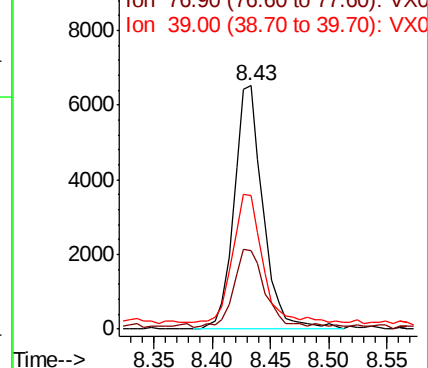
39 52.2 42.6 64.0

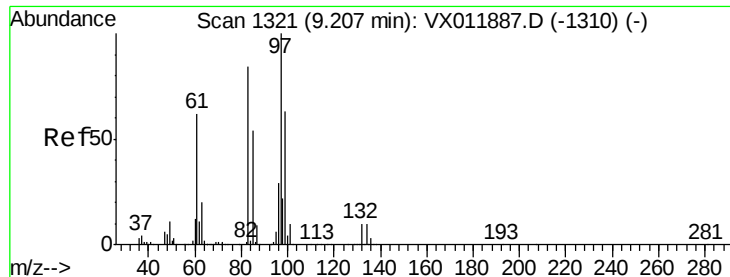


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

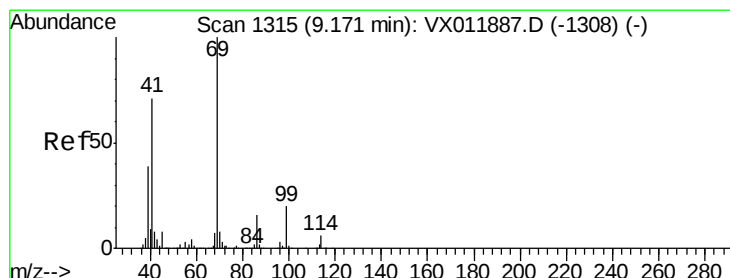
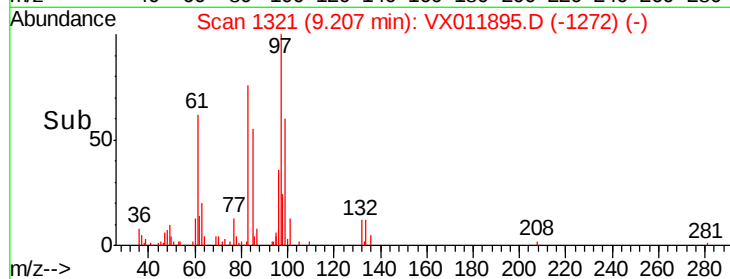
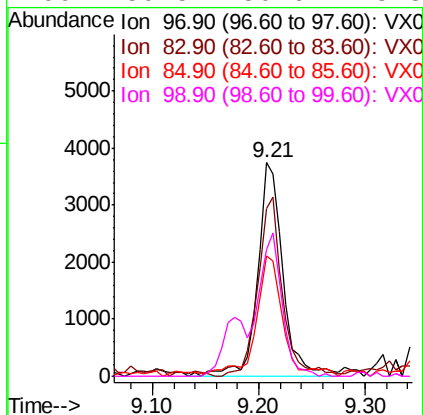
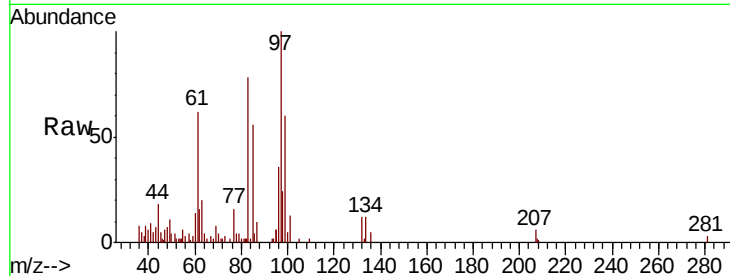




#55
 1,1,2-Trichloroethane
 Concen: 2.436 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

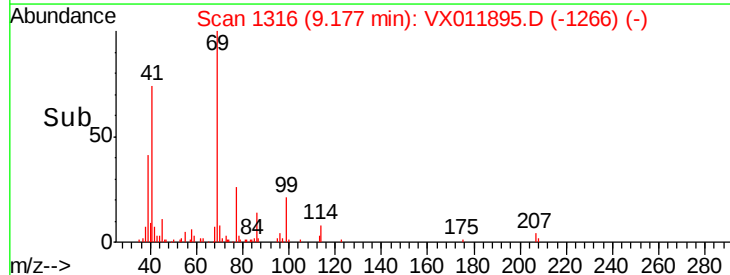
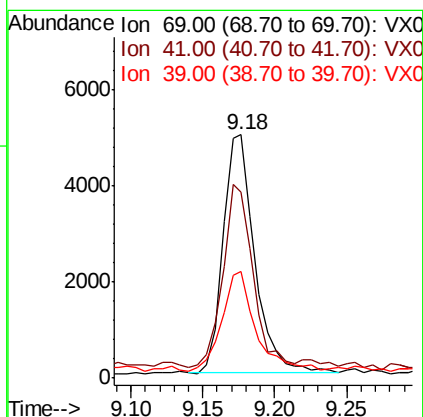
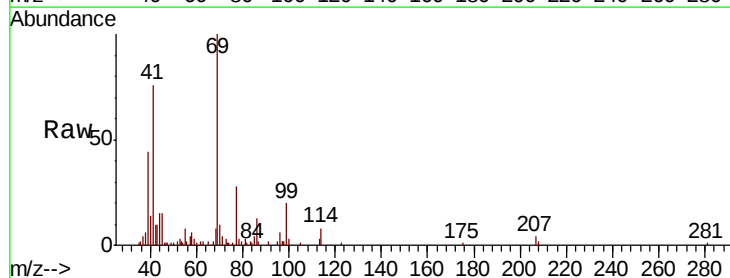
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

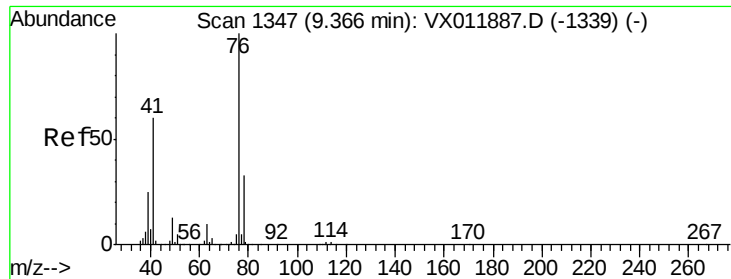
Tgt Ion:	97	Resp:	6231
Ion	Ratio	Lower	Upper
97	100		
83	76.9	66.8	100.2
85	56.2	43.5	65.3
99	59.5	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 2.138 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion:	69	Resp:	7591
Ion	Ratio	Lower	Upper
69	100		
41	73.9	55.8	83.8
39	45.6	31.1	46.7

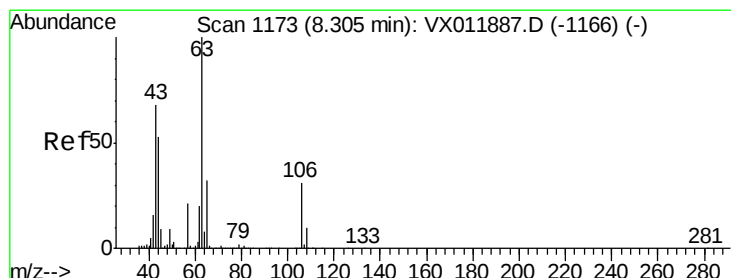
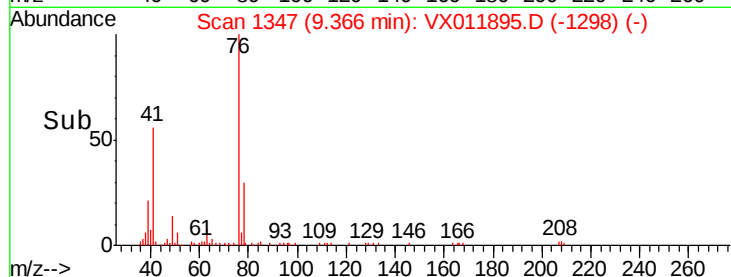
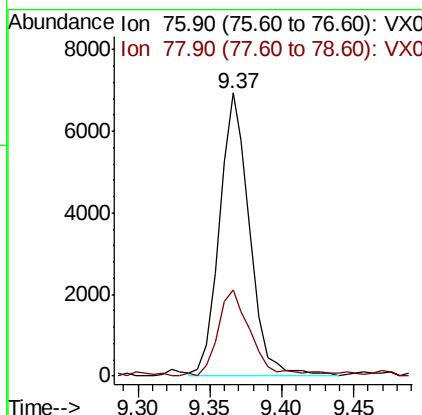
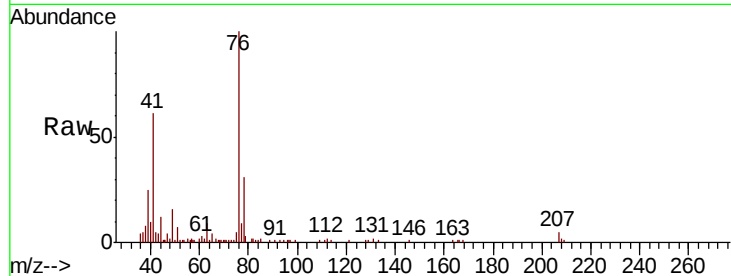




#57
 1,3-Dichloropropane
 Concen: 2.396 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

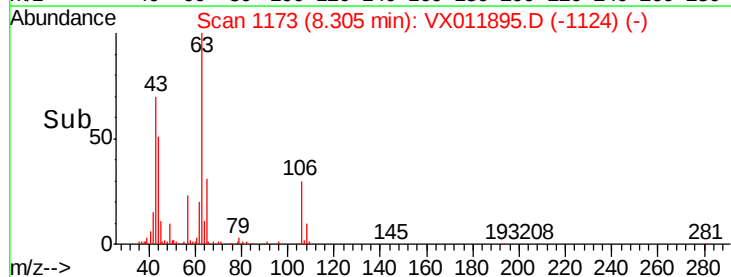
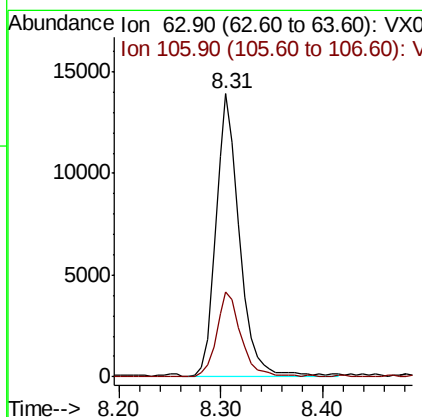
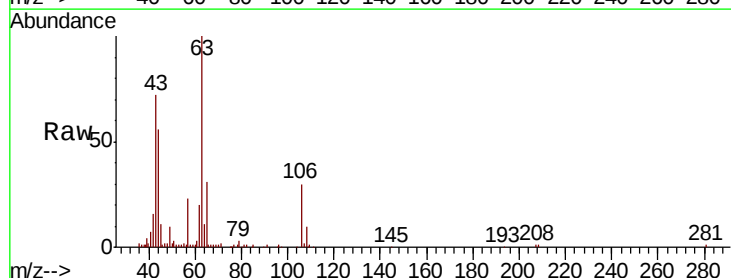
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

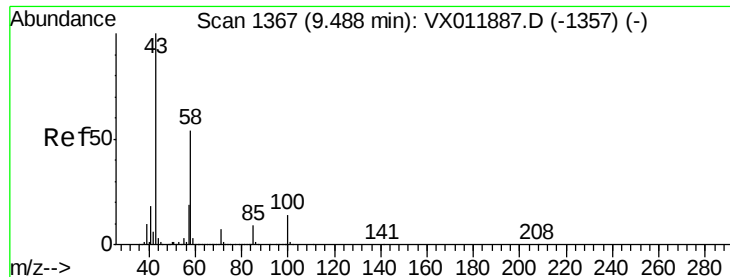
Tgt Ion: 76 Resp: 10174
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.430 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion: 63 Resp: 22709
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.8 37.2

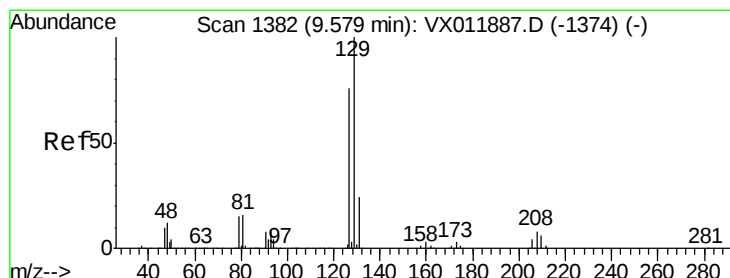
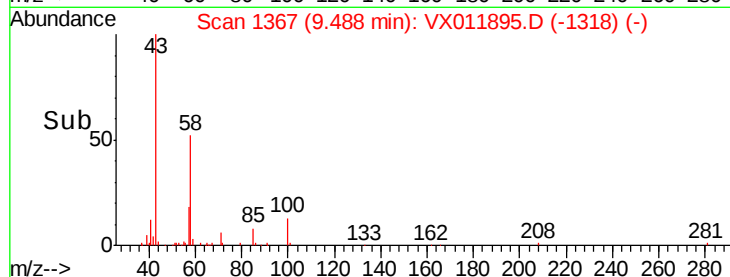
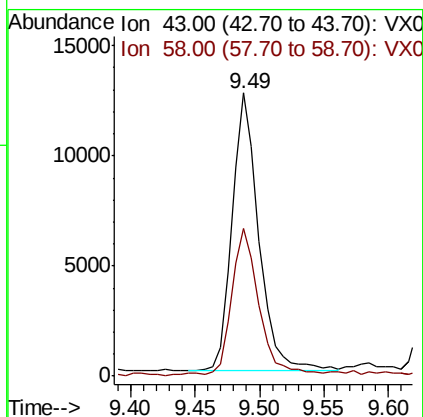
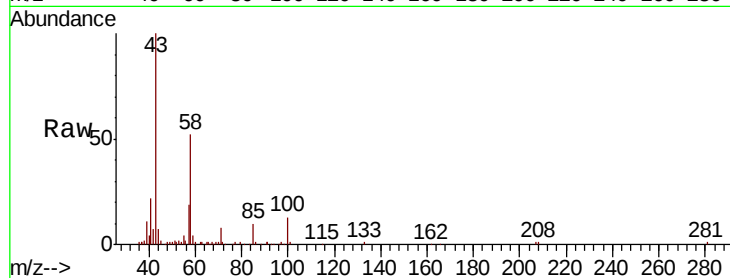




#59
2-Hexanone
Concen: 11.217 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

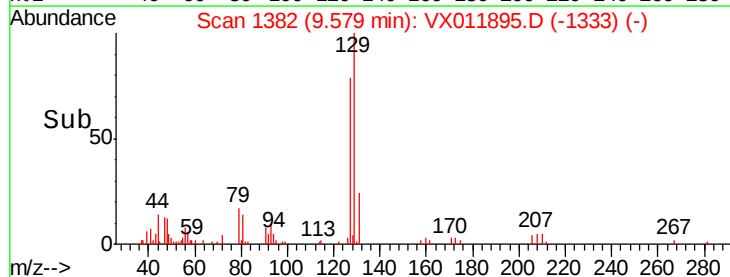
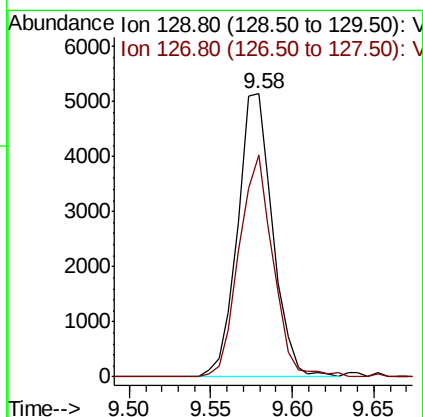
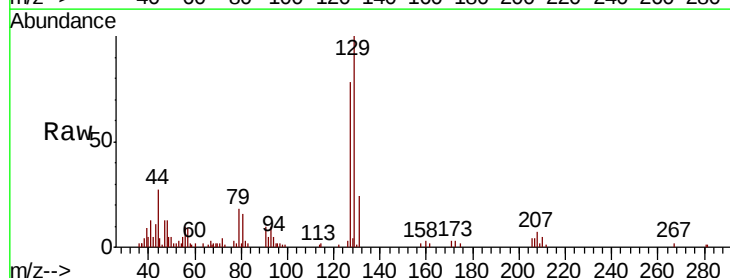
Instrument :
MSVOA_X
ClientSampleId :
MDL02

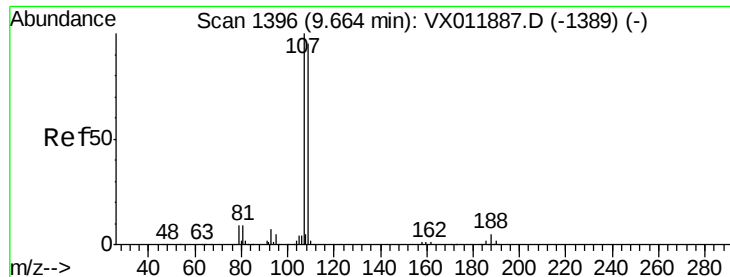
Tgt Ion: 43 Resp: 18317
Ion Ratio Lower Upper
43 100
58 55.8 26.8 80.4



#60
Dibromochloromethane
Concen: 2.243 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 129 Resp: 7707
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 2.352 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

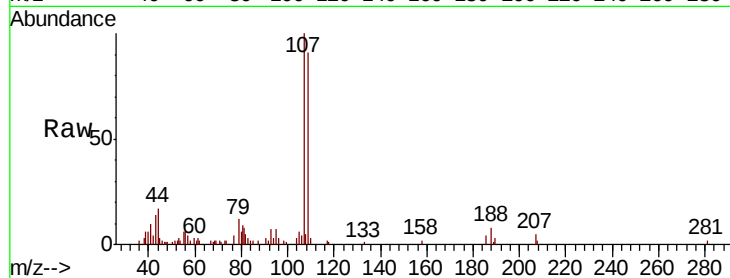
MDL02

Tgt Ion: 107 Resp: 5965

Ion Ratio Lower Upper

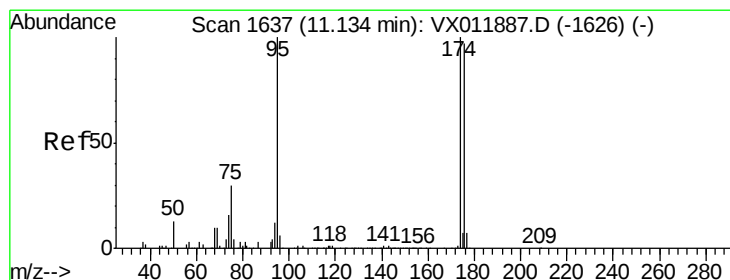
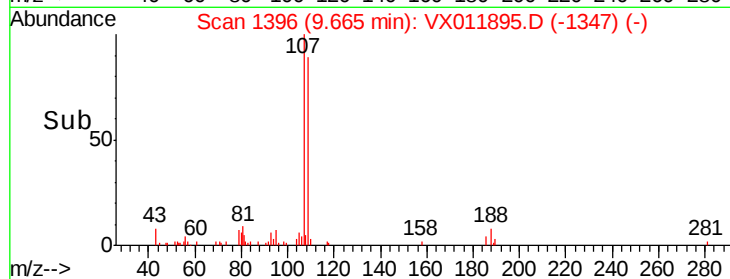
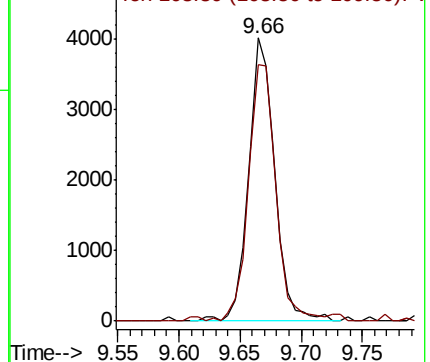
107 100

109 95.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.372 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

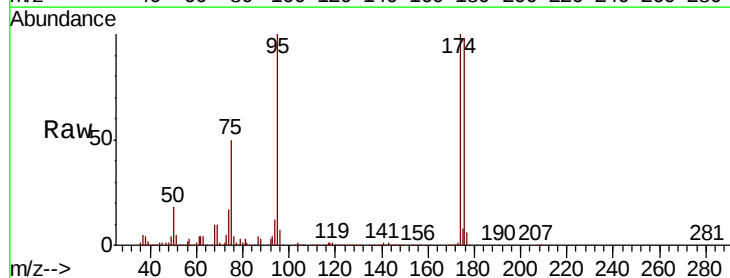
Tgt Ion: 95 Resp: 231503

Ion Ratio Lower Upper

95 100

174 97.6 0.0 196.0

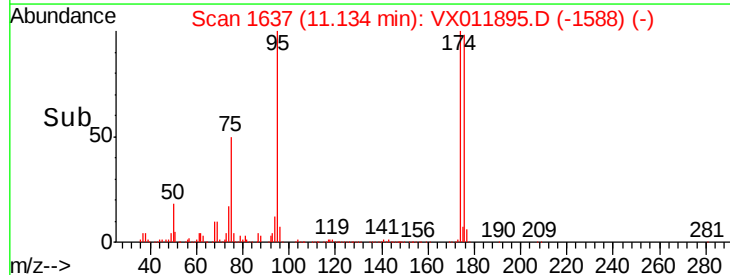
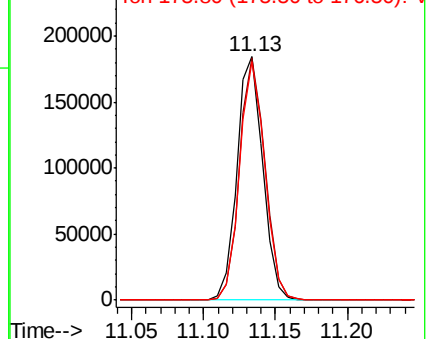
176 96.0 0.0 191.4

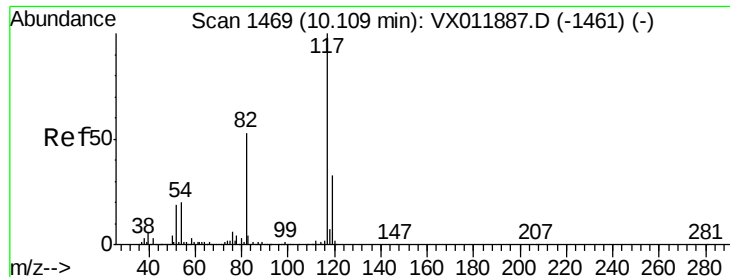


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

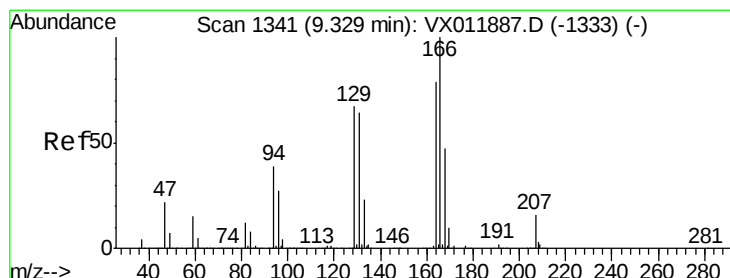
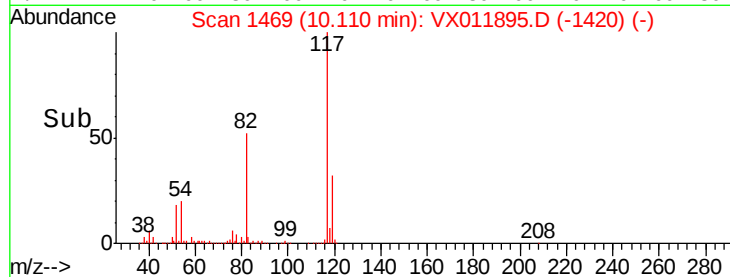
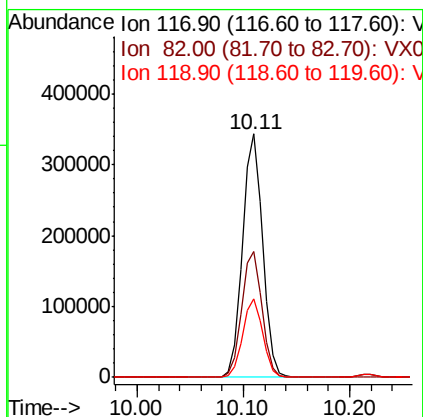
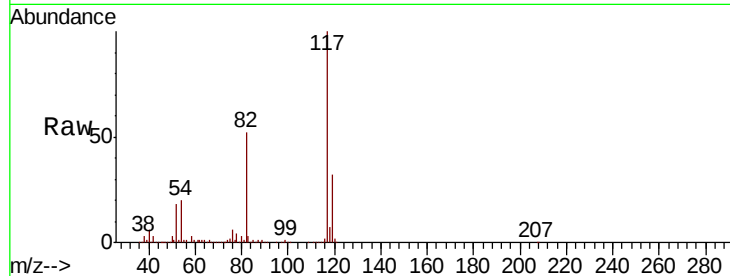




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

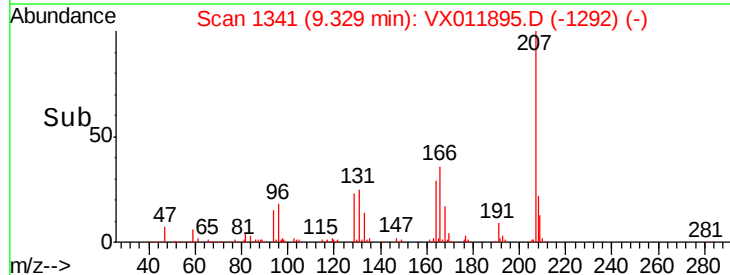
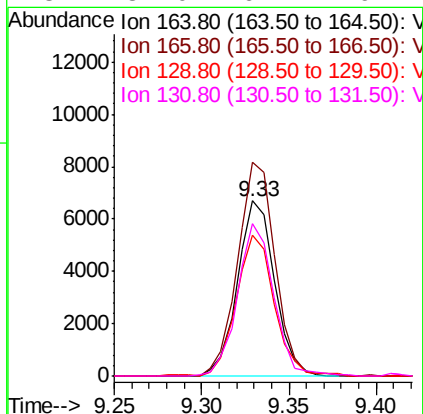
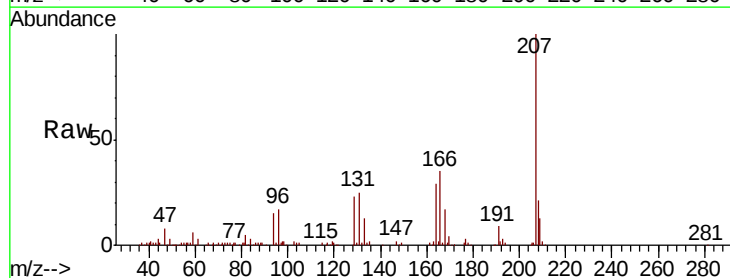
Instrument :
MSVOA_X
ClientSampleId :
MDL02

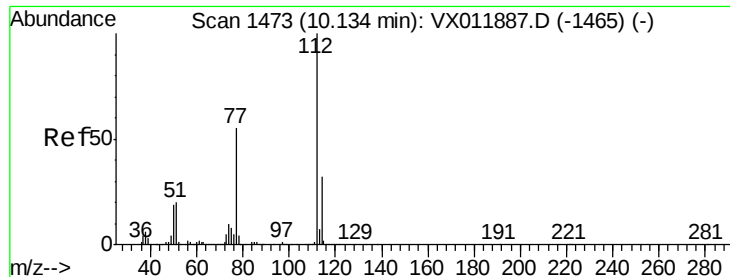
Tgt Ion:117 Resp: 456944
Ion Ratio Lower Upper
117 100
82 51.5 42.0 63.0
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 2.686 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion:164 Resp: 9874
Ion Ratio Lower Upper
164 100
166 122.2 101.4 152.0
129 79.5 68.0 102.0
131 87.0 64.7 97.1

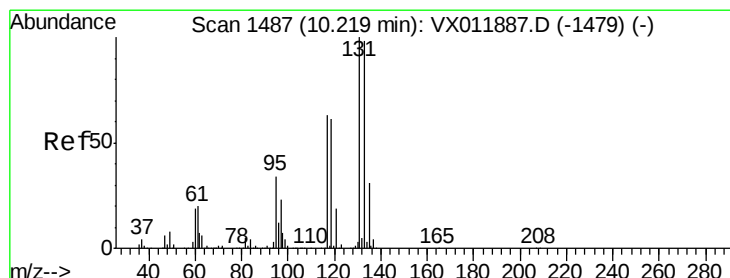
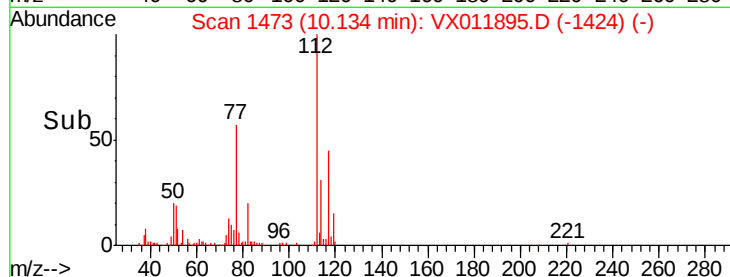
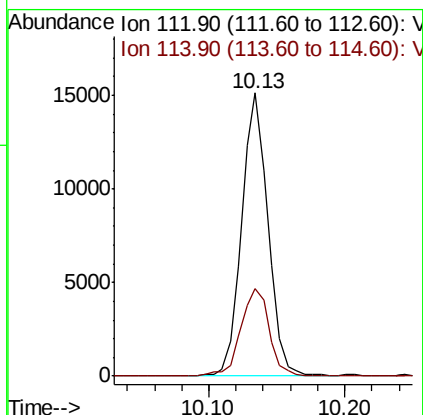
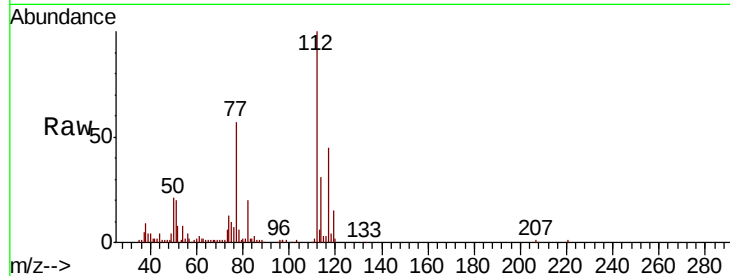




#65
Chlorobenzene
Concen: 2.303 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

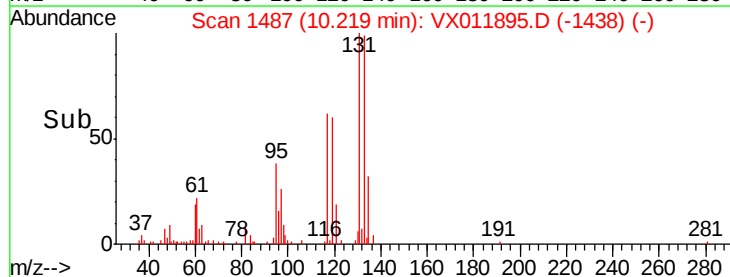
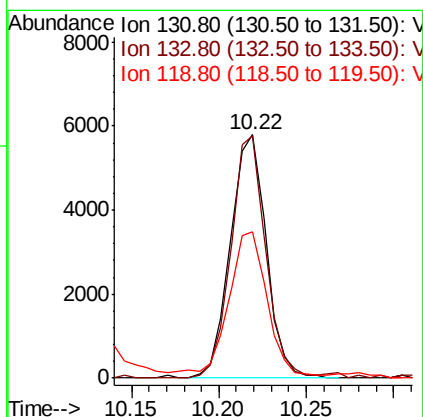
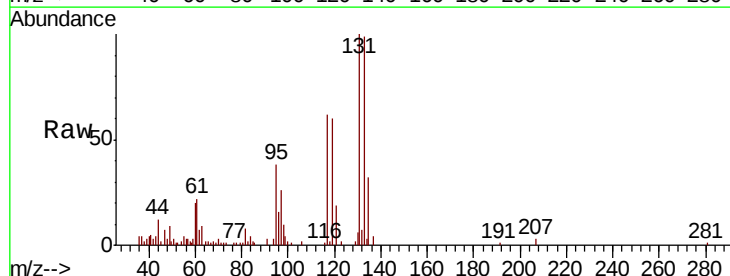
Instrument :
MSVOA_X
ClientSampleId :
MDL02

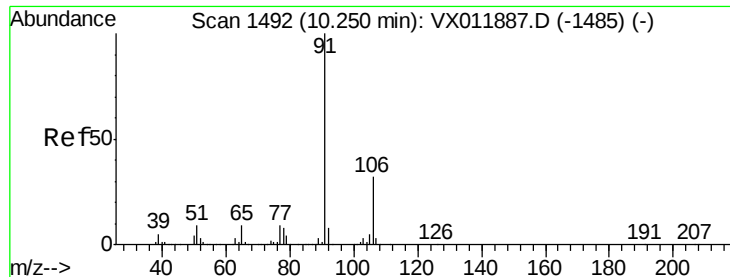
Tgt Ion:112 Resp: 20394
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 2.304 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion:131 Resp: 8249
Ion Ratio Lower Upper
131 100
133 97.0 48.4 145.0
119 63.6 30.6 92.0





#67

Ethyl Benzene

Concen: 2.289 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

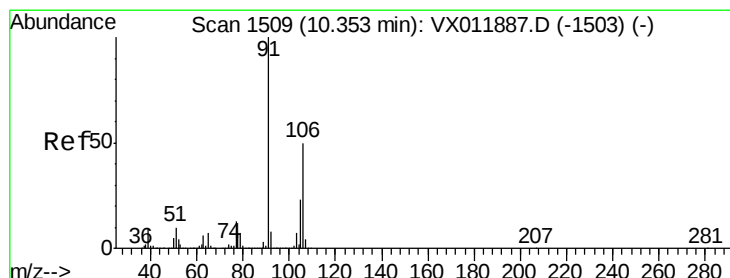
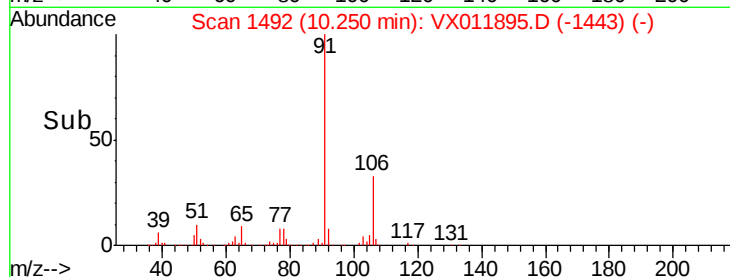
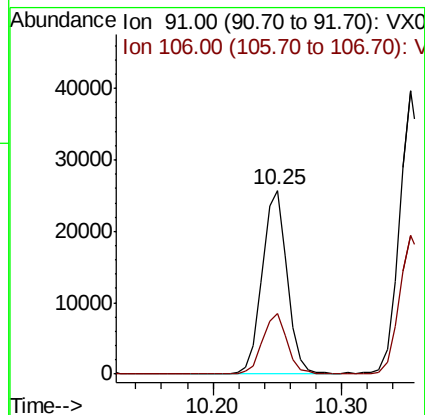
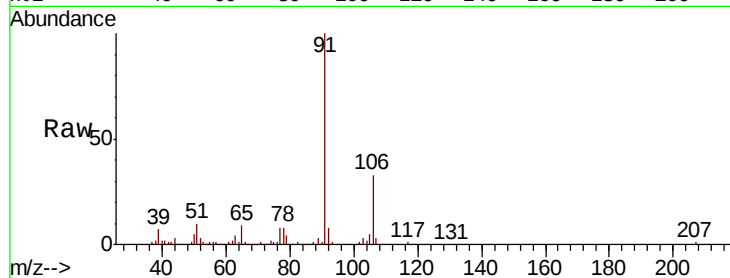
MDL02

Tgt Ion: 91 Resp: 34477

Ion Ratio Lower Upper

91 100

106 32.7 25.8 38.8



#68

m/p-Xylenes

Concen: 4.640 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011895.D

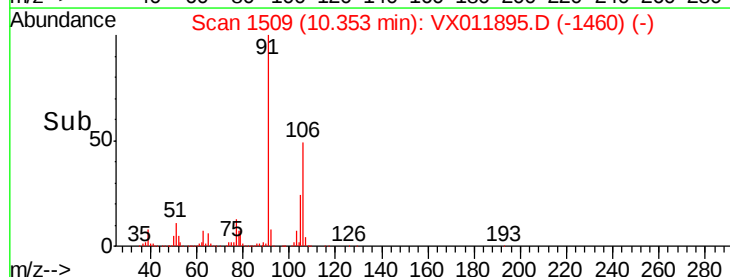
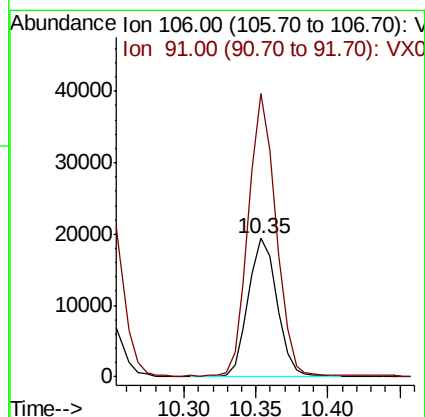
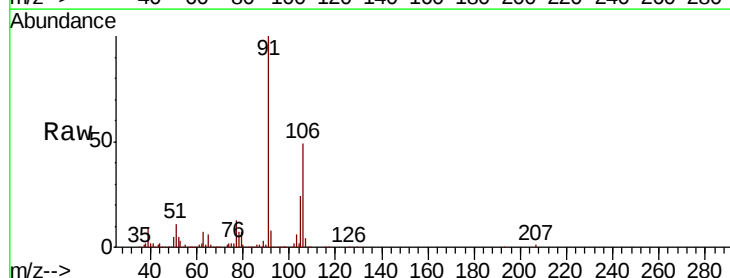
Acq: 30 Aug 2019 03:07

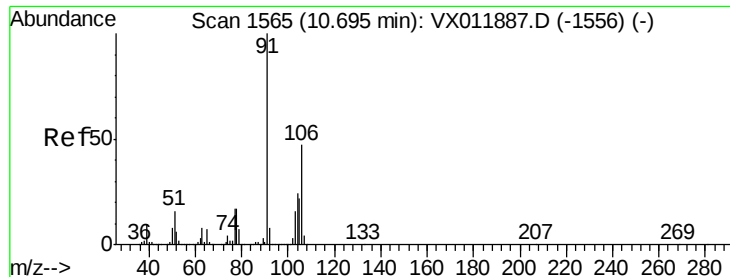
Tgt Ion: 106 Resp: 26988

Ion Ratio Lower Upper

106 100

91 193.8 158.6 237.8

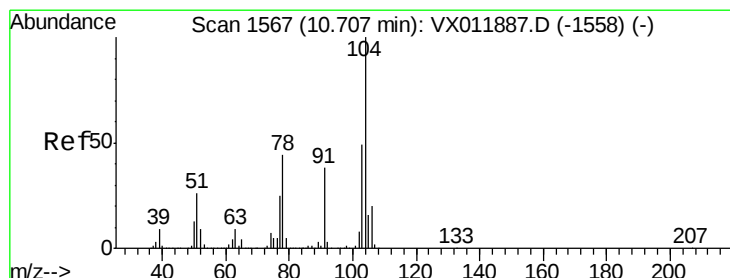
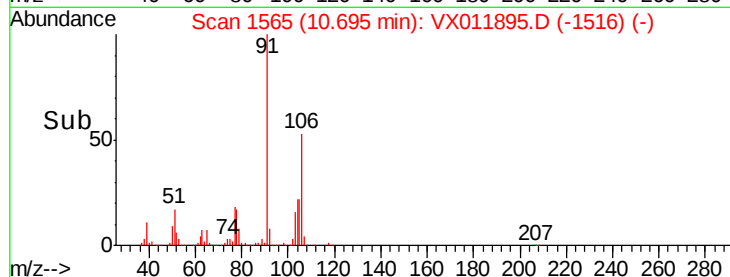
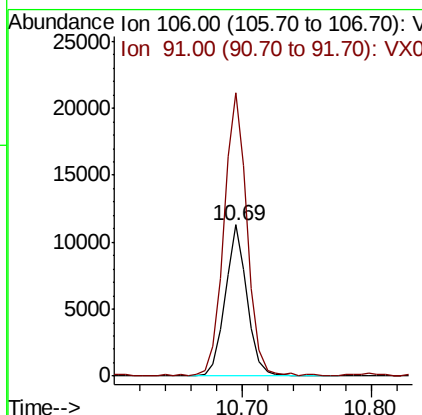
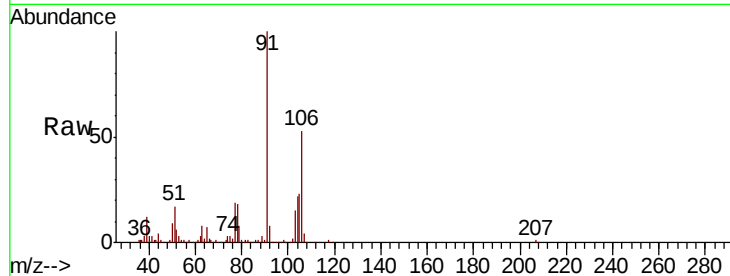




#69
o-Xylene
Concen: 2.378 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

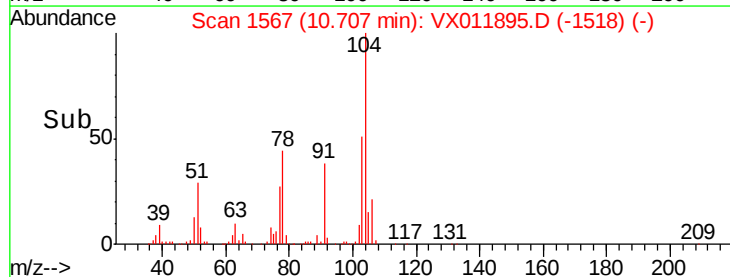
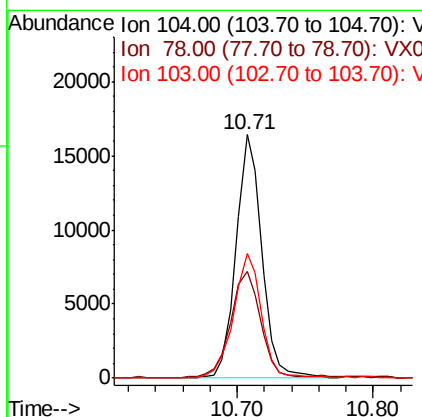
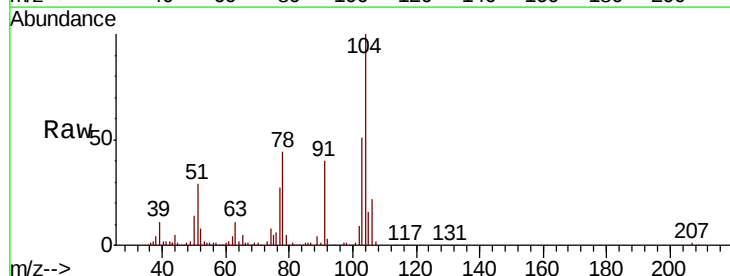
Instrument :
MSVOA_X
ClientSampled :
MDL02

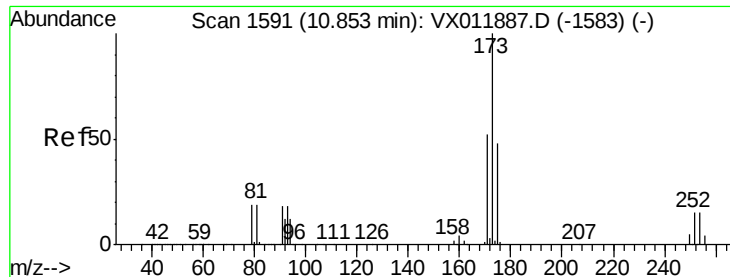
Tgt Ion:106 Resp: 13479
Ion Ratio Lower Upper
106 100
91 195.5 104.8 314.6



#70
Styrene
Concen: 2.173 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion:104 Resp: 21712
Ion Ratio Lower Upper
104 100
78 52.5 39.2 58.8
103 55.4 43.0 64.6





#71

Bromoform

Concen: 2.210 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampled :

MDL02

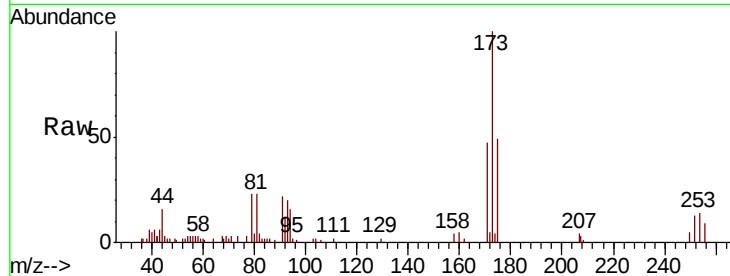
Tgt Ion:173 Resp: 5595

Ion Ratio Lower Upper

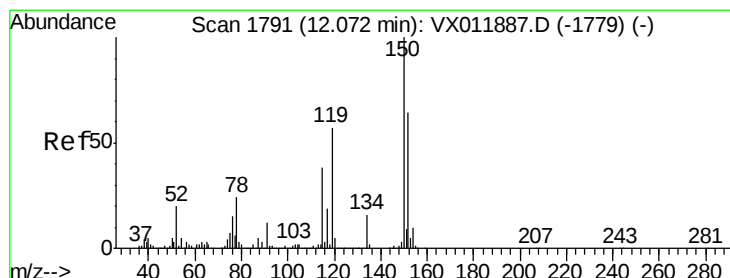
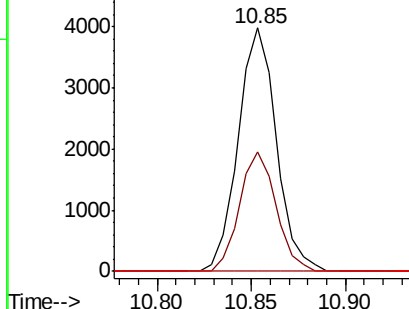
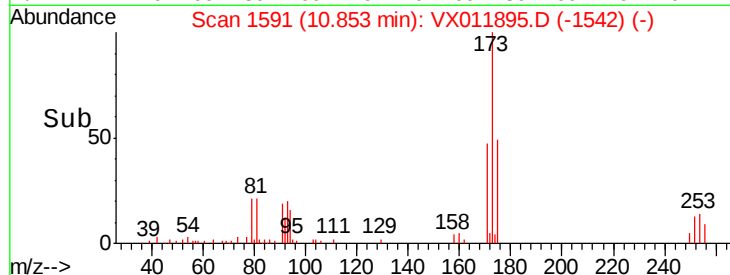
173 100

175 46.7 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: VX011895.D

Acq: 30 Aug 2019 03:07

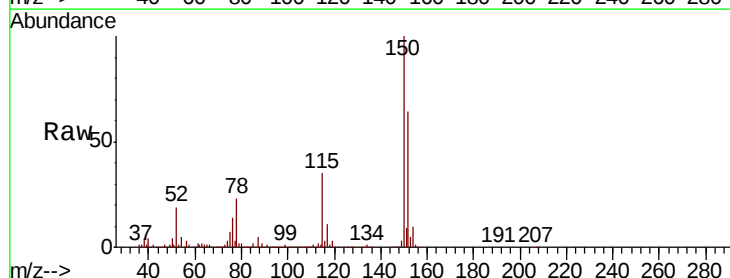
Tgt Ion:152 Resp: 258153

Ion Ratio Lower Upper

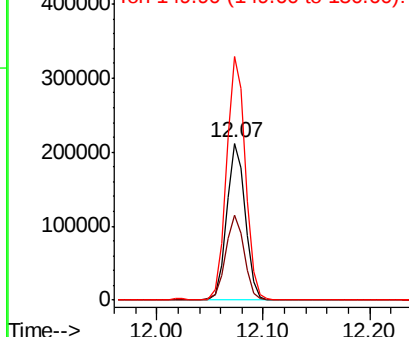
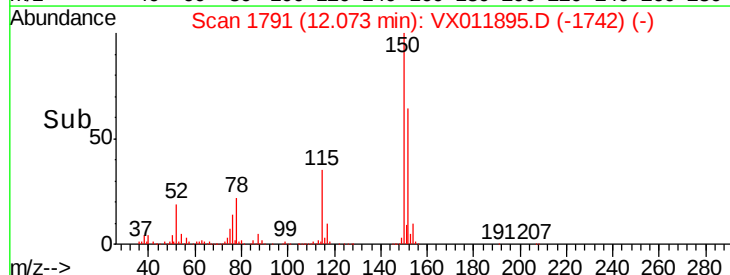
152 100

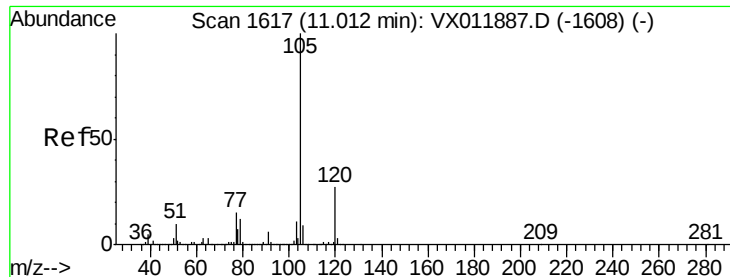
115 54.8 37.1 111.3

150 157.0 0.0 339.6



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





#73

Isopropylbenzene

Concen: 2.305 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

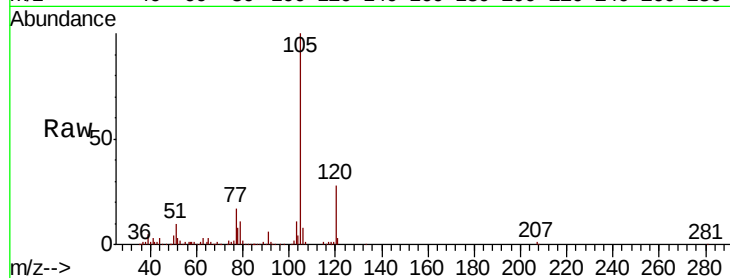
MDL02

Tgt Ion: 105 Resp: 34195

Ion Ratio Lower Upper

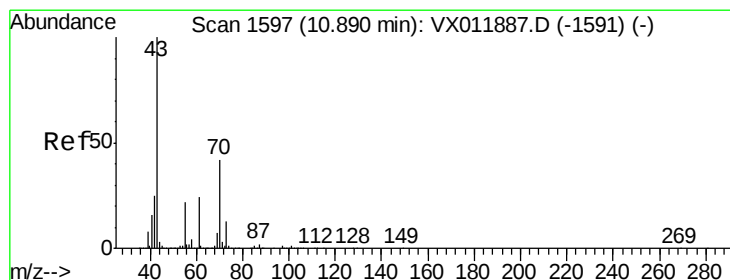
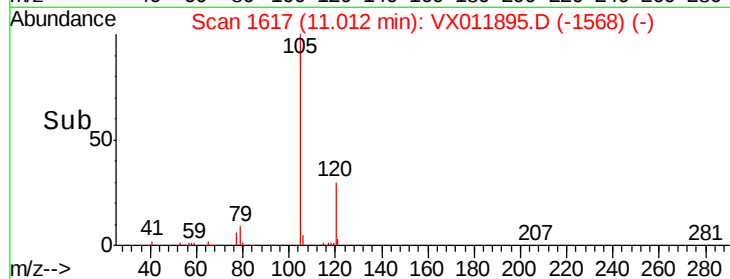
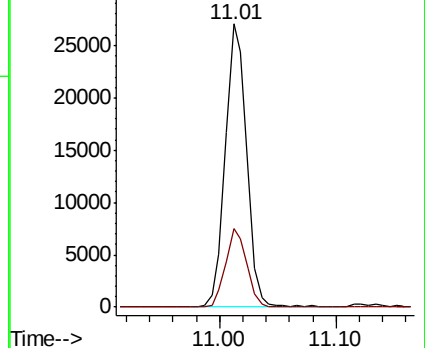
105 100

120 27.7 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.132 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Tgt Ion: 43 Resp: 9386

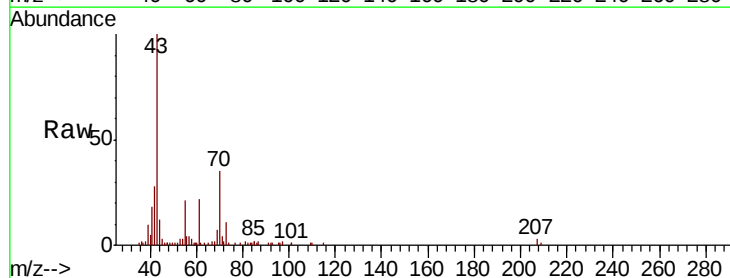
Ion Ratio Lower Upper

43 100

70 42.5 0.2 0.2#

55 24.4 0.1 0.1#

61 25.4 16.4 24.6#

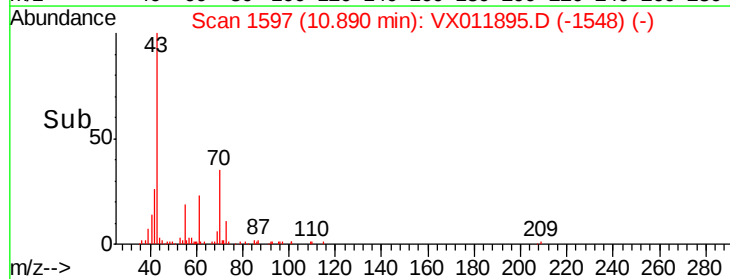
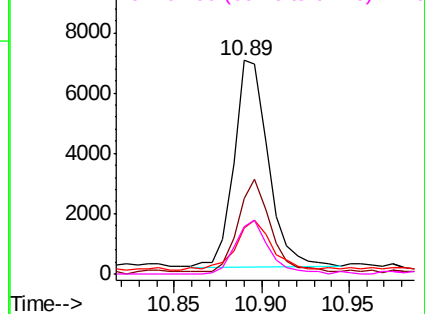


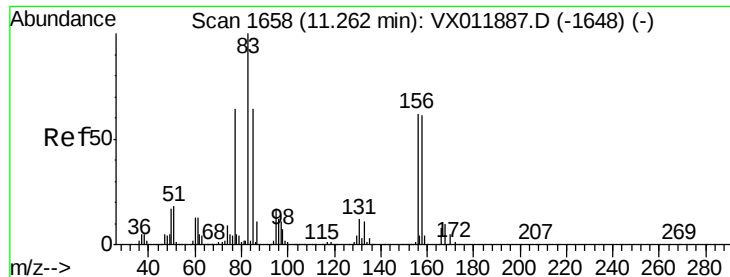
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.382 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

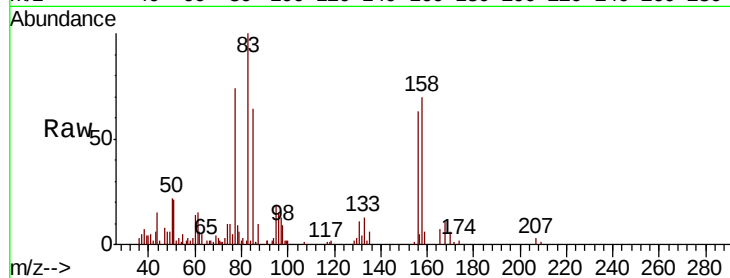
Tgt Ion: 83 Resp: 7232

Ion Ratio Lower Upper

83 100

131 14.6 6.0 18.0

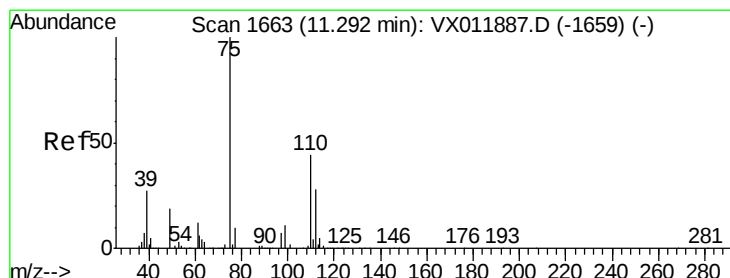
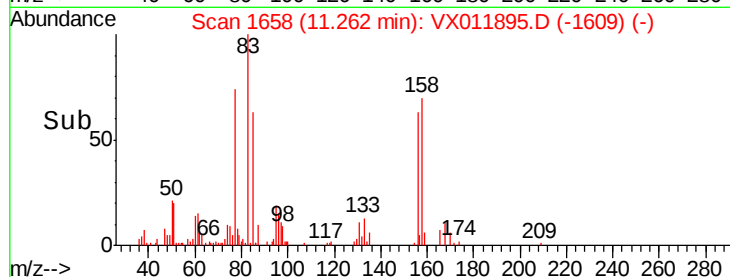
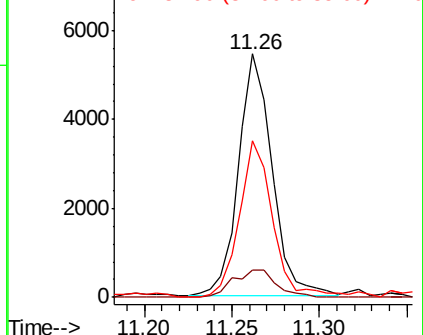
85 65.0 31.9 95.9



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: 2.819 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011895.D

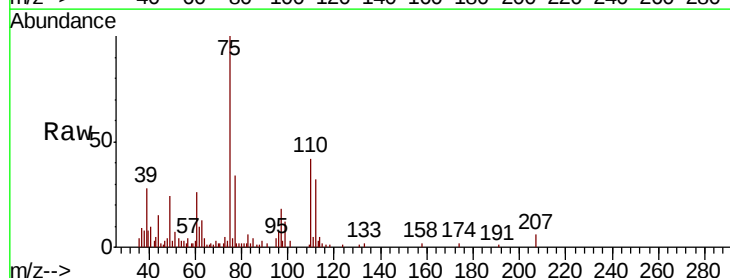
Acq: 30 Aug 2019 03:07

Tgt Ion: 75 Resp: 7158

Ion Ratio Lower Upper

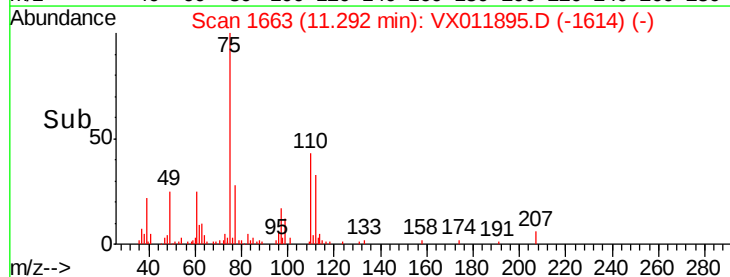
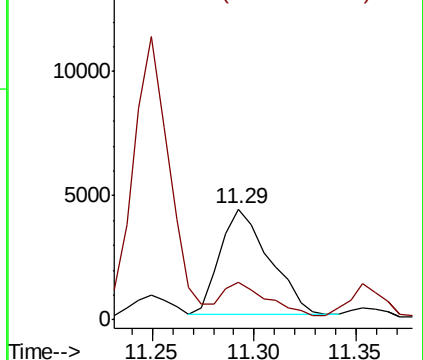
75 100

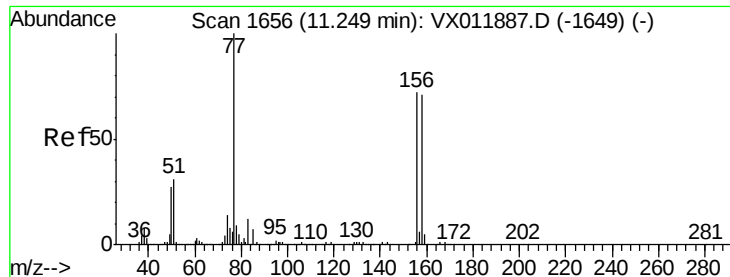
77 33.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.437 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

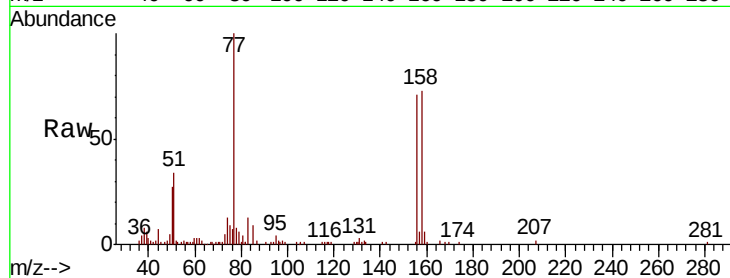
Tgt Ion:156 Resp: 10485

Ion Ratio Lower Upper

156 100

77 137.8 68.1 204.3

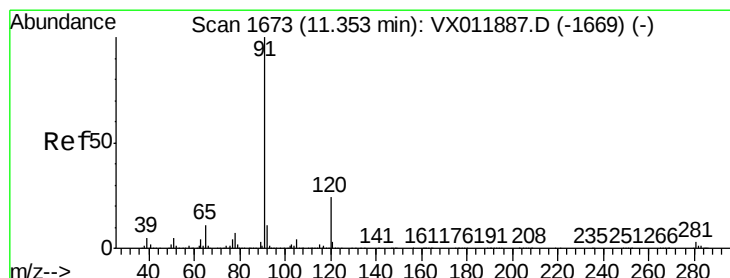
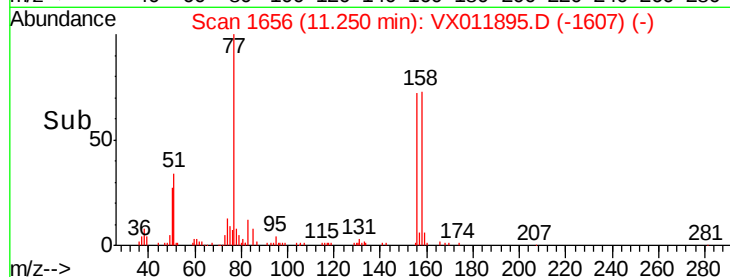
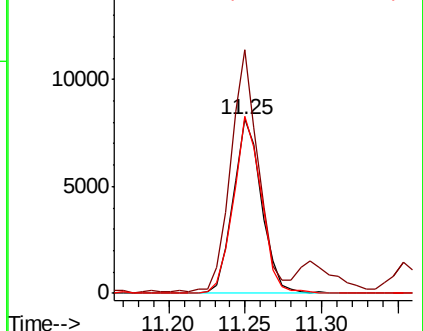
158 99.3 48.9 146.8



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: 2.423 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VX011895.D

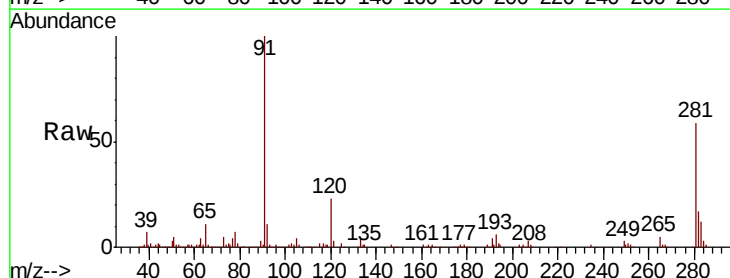
Acq: 30 Aug 2019 03:07

Tgt Ion: 91 Resp: 40747

Ion Ratio Lower Upper

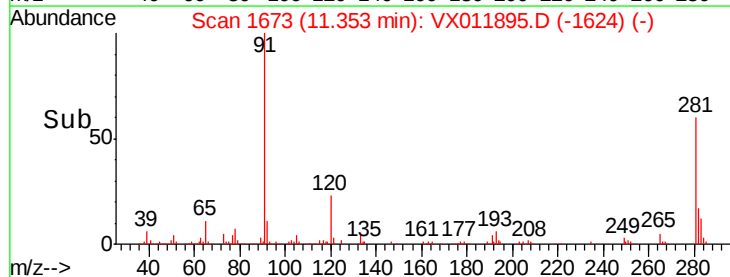
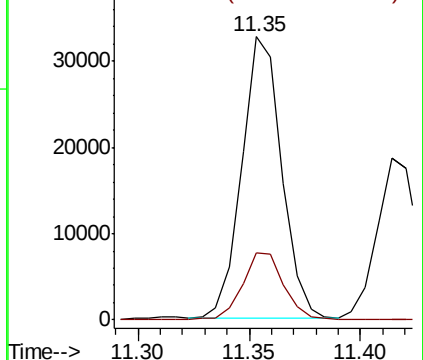
91 100

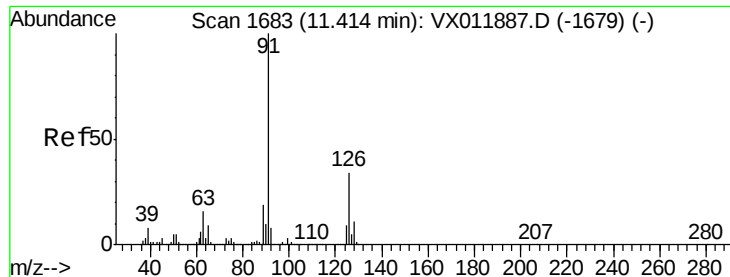
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.330 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

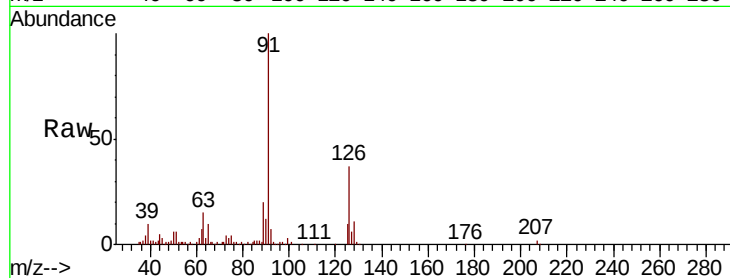
MDL02

Tgt Ion: 91 Resp: 23589

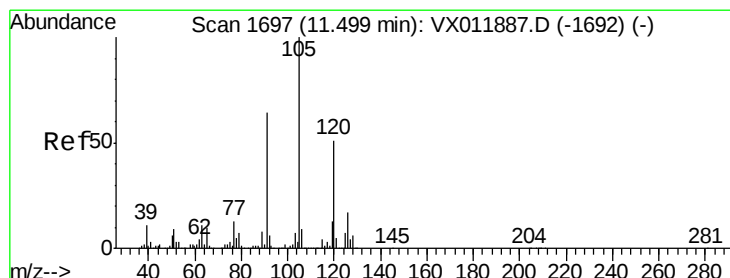
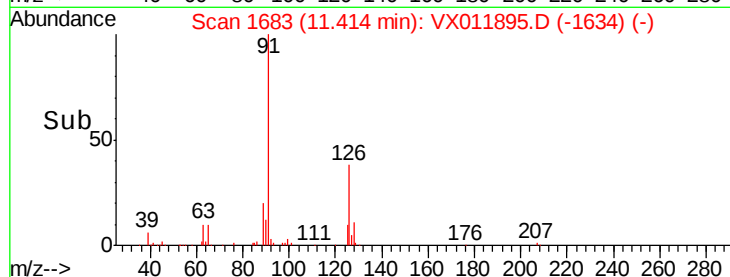
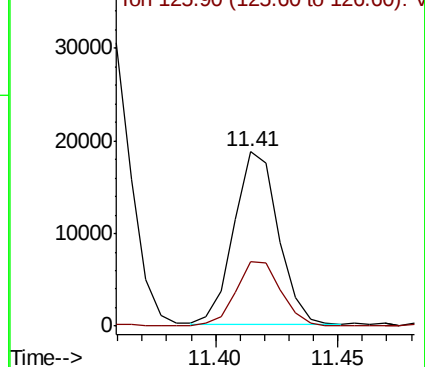
Ion Ratio Lower Upper

91 100

126 38.4 17.9 53.8



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



#80

1,3,5-Trimethylbenzene

Concen: 2.366 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011895.D

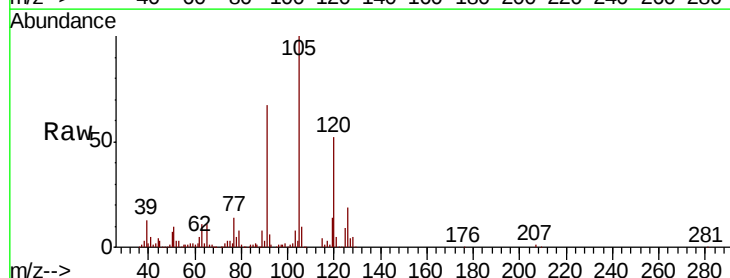
Acq: 30 Aug 2019 03:07

Tgt Ion: 105 Resp: 30286

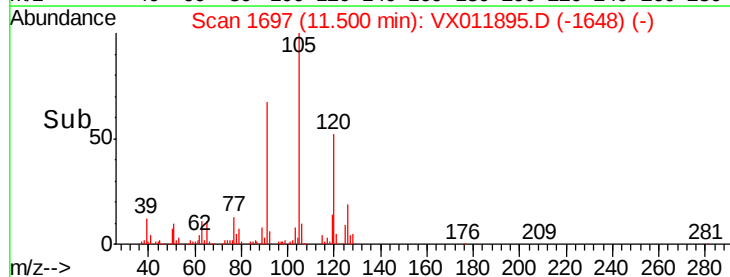
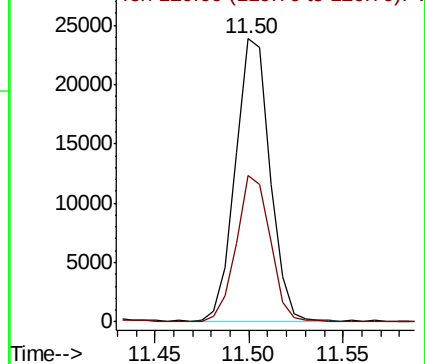
Ion Ratio Lower Upper

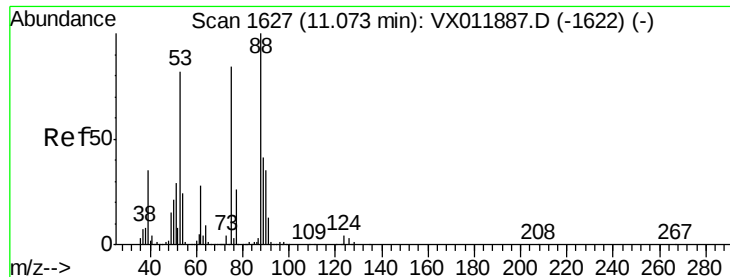
105 100

120 51.2 25.3 75.9



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





#81

trans-1,4-Dichloro-2-butene

Concen: 113.979 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

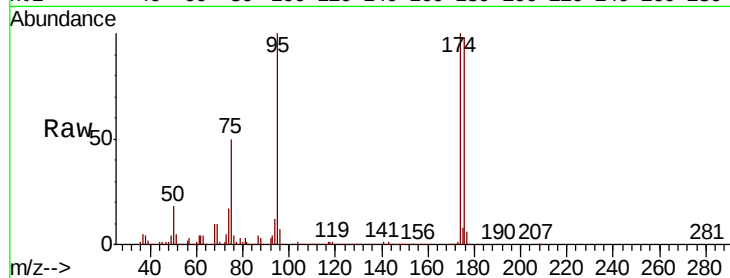
Tgt Ion: 75 Resp: 115217

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

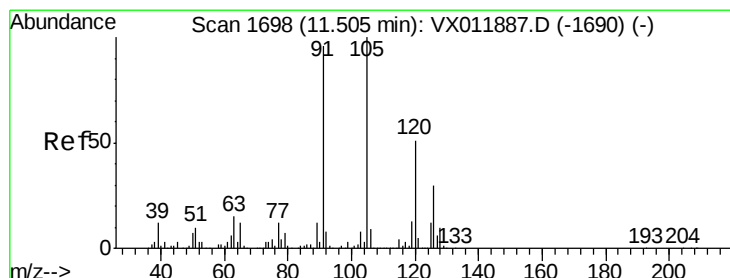
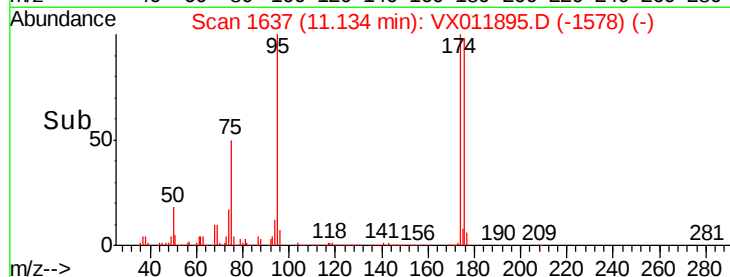
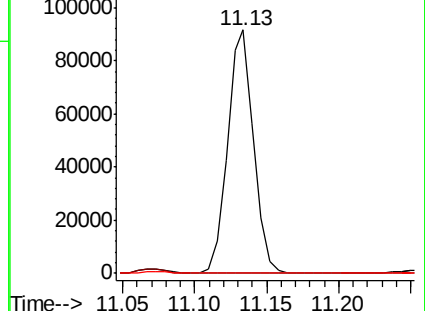
89 0.1 38.2 57.2#



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: 2.417 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011895.D

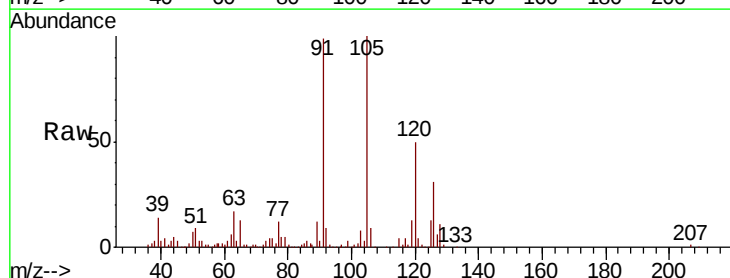
Acq: 30 Aug 2019 03:07

Tgt Ion: 91 Resp: 29518

Ion Ratio Lower Upper

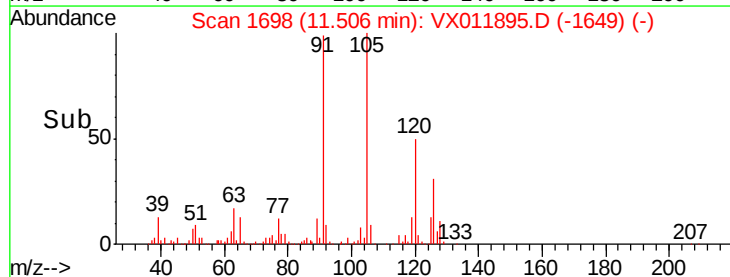
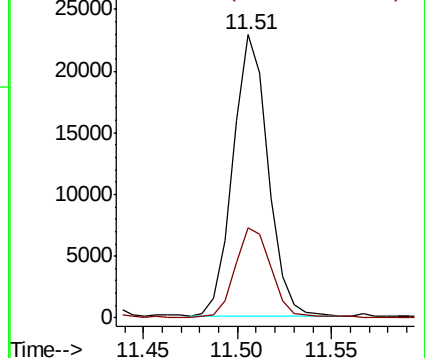
91 100

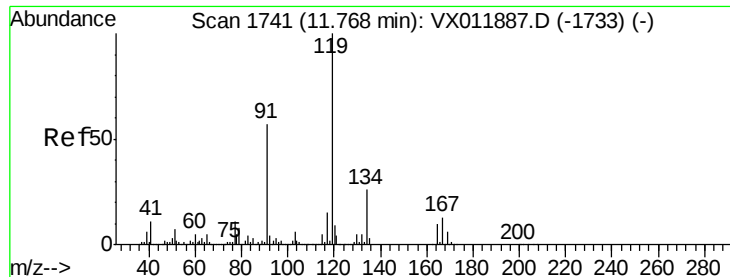
126 33.5 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

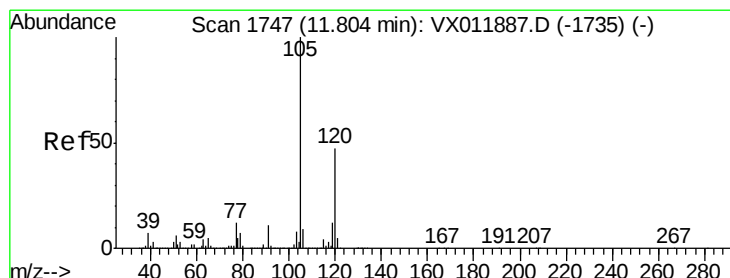
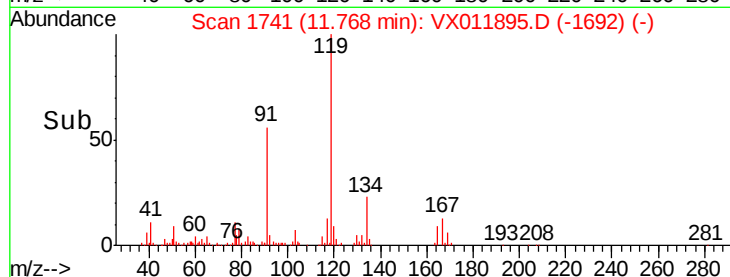
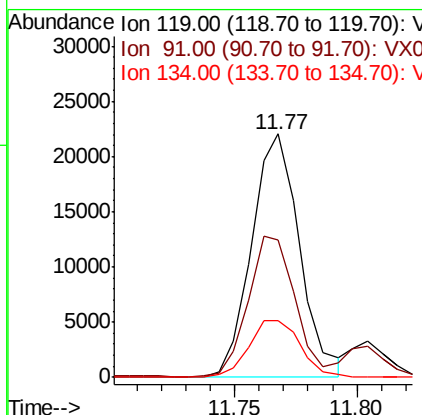
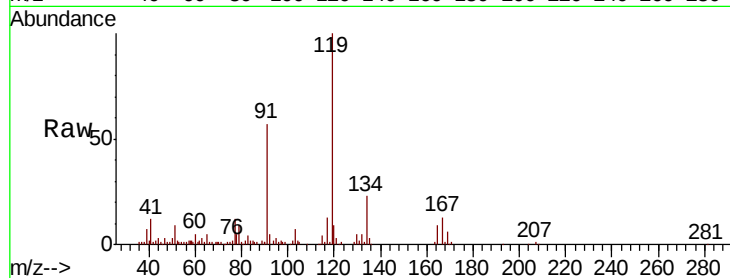




#83
 tert-Butylbenzene
 Concen: 2.329 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

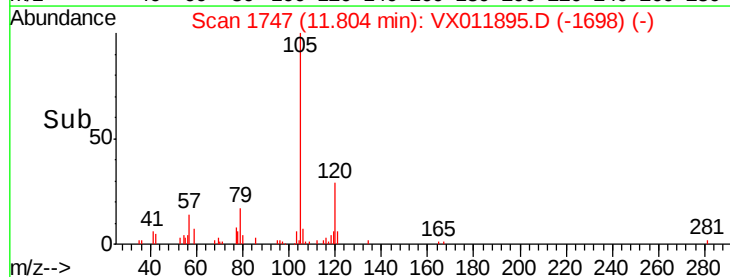
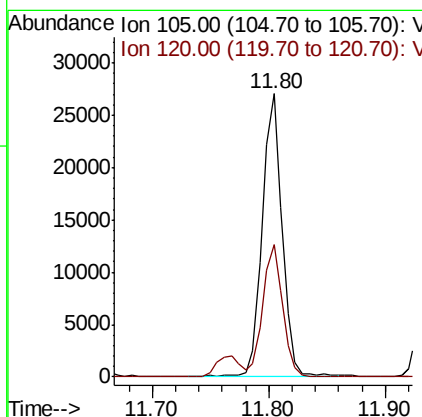
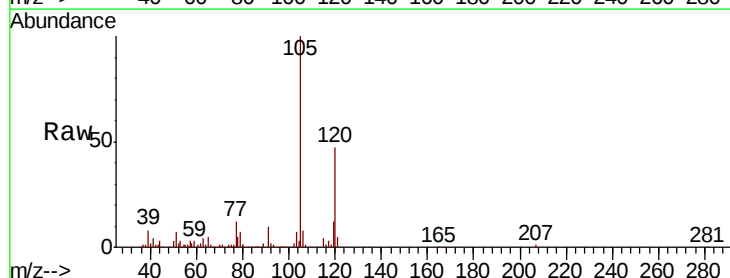
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

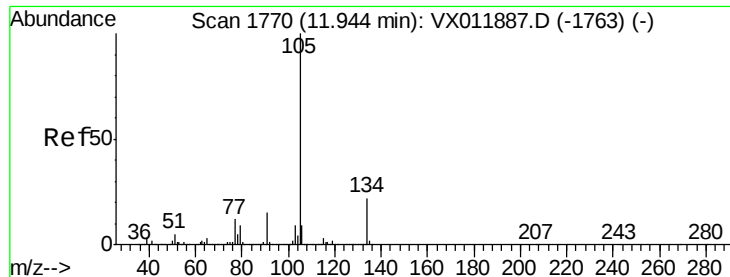
Tgt Ion:119 Resp: 30258
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.9 83.6
 134 25.1 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.478 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion:105 Resp: 32514
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 2.485 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

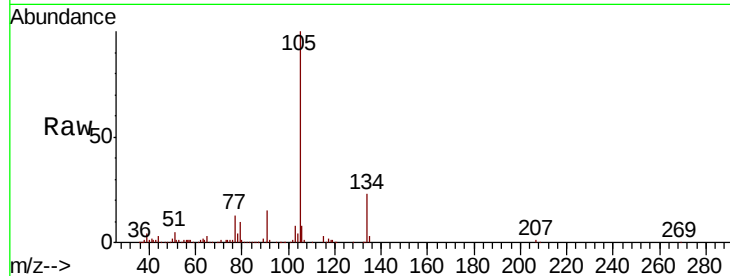
MDL02

Tgt Ion:105 Resp: 37498

Ion Ratio Lower Upper

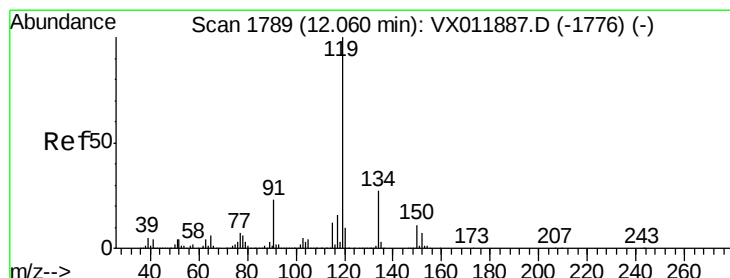
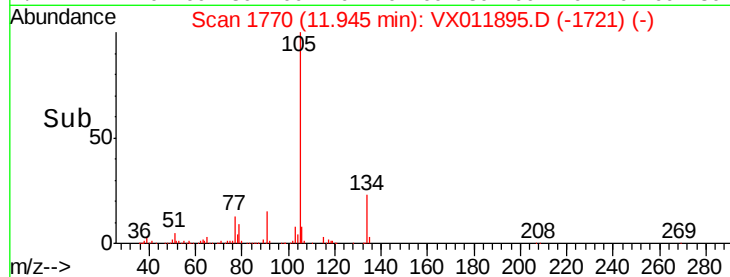
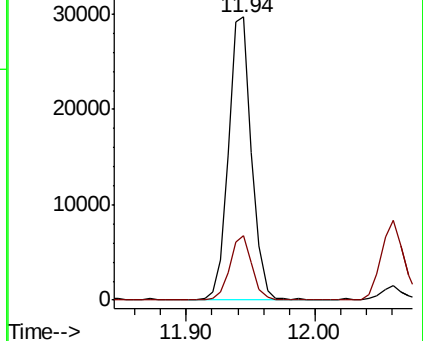
105 100

134 21.6 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.478 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

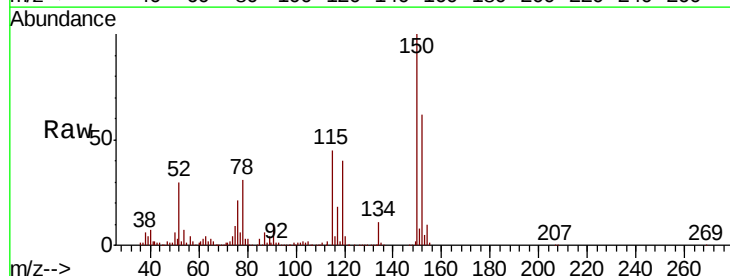
Tgt Ion:119 Resp: 36257

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.0

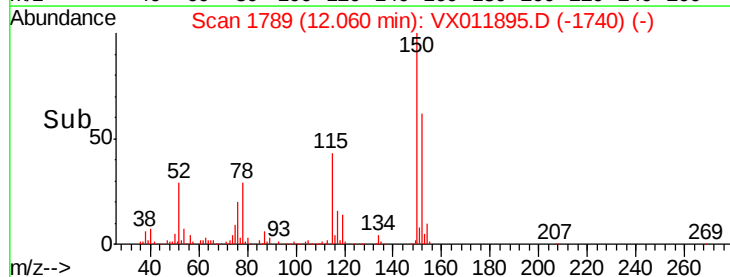
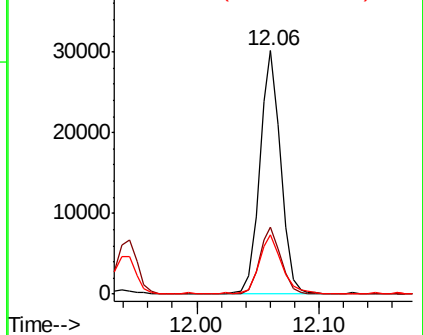
91 25.7 11.6 34.7

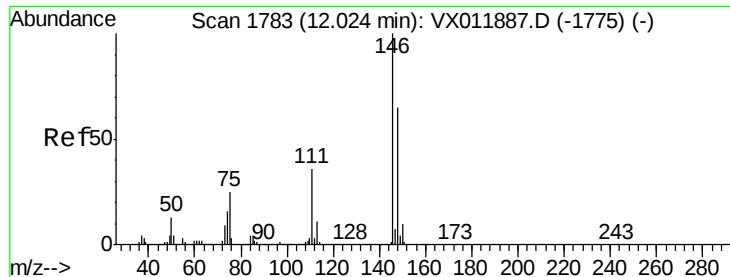


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

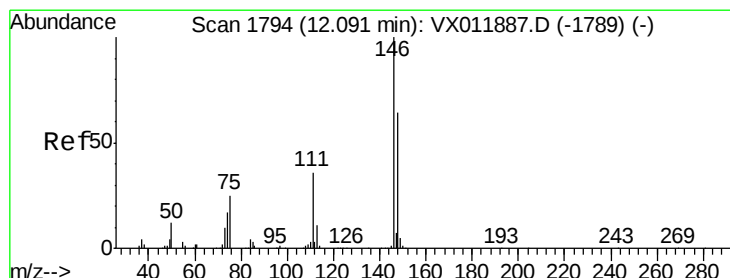
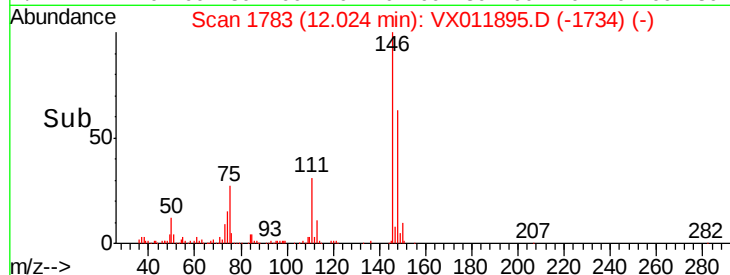
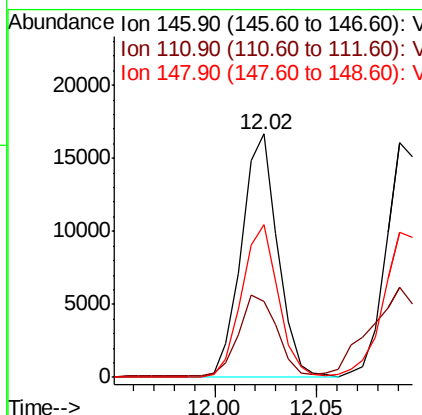
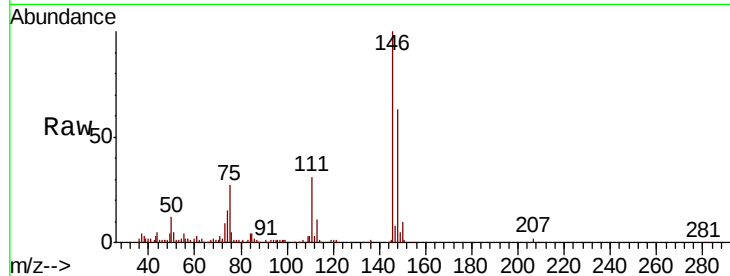




#87
 1,3-Dichlorobenzene
 Concen: 2.578 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

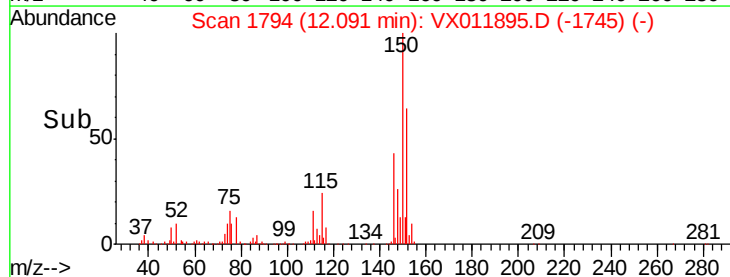
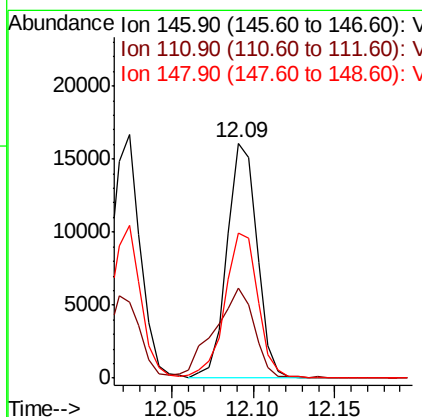
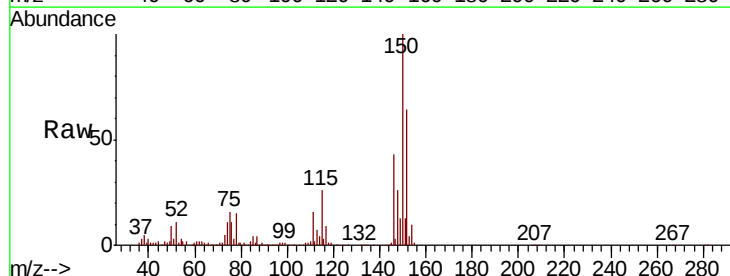
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

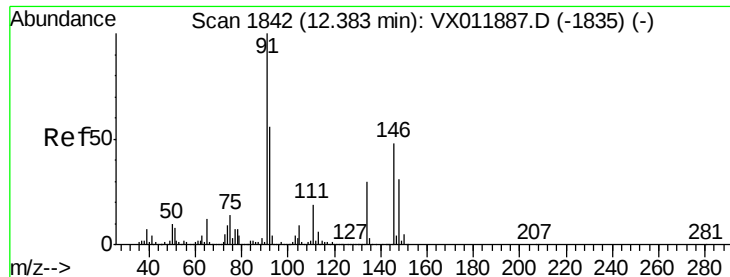
Tgt Ion:146 Resp: 20610
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.2
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.557 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion:146 Resp: 20666
 Ion Ratio Lower Upper
 146 100
 111 52.2 17.9 53.7
 148 68.3 32.4 97.0

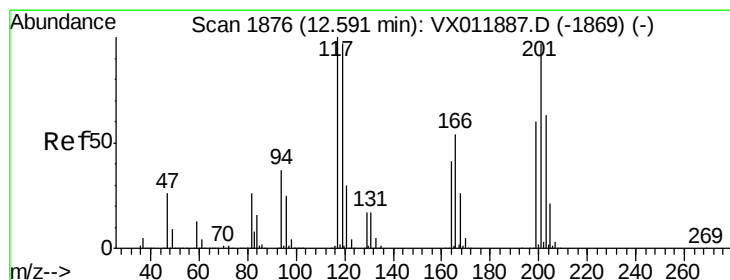
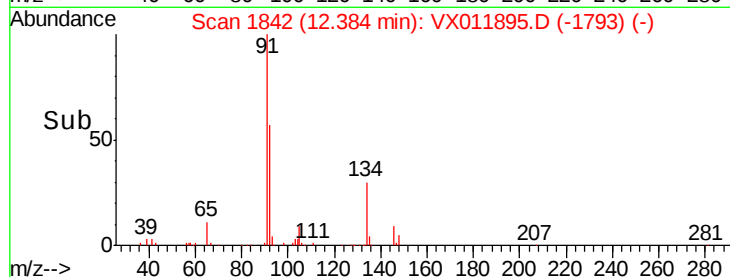
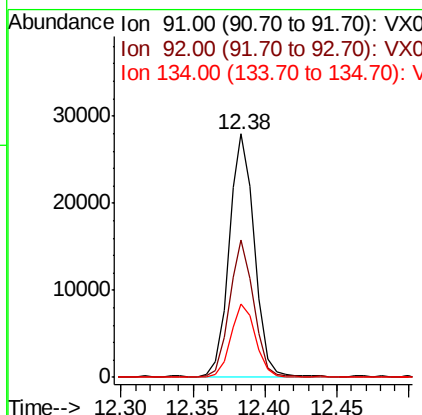
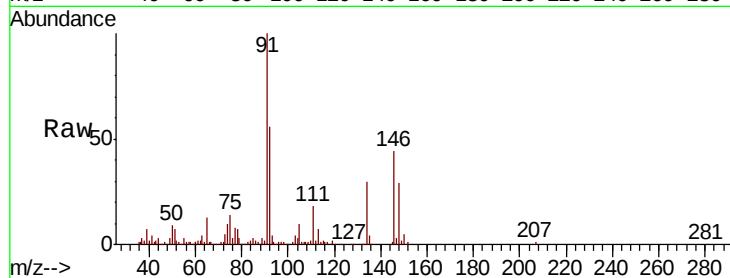




#89
n-Butylbenzene
Concen: 2.639 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

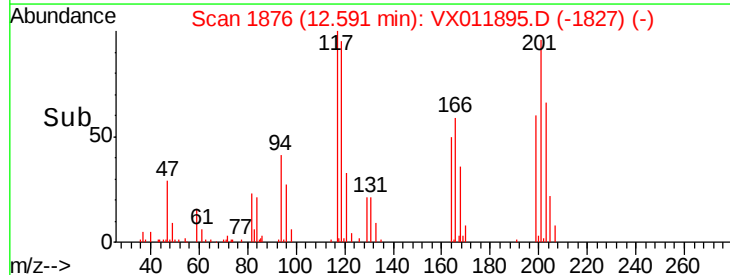
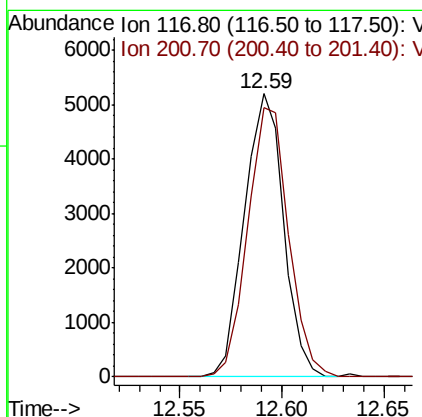
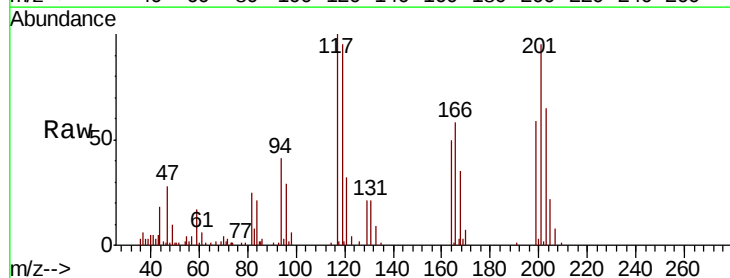
Instrument :
MSVOA_X
ClientSampleId :
MDL02

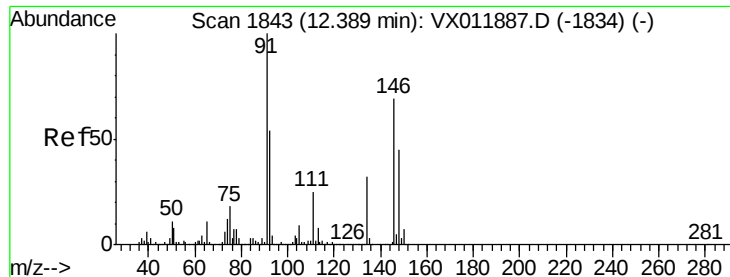
Tgt Ion: 91 Resp: 34164
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.8
134 29.9 14.8 44.3



#90
Hexachloroethane
Concen: 2.457 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011895.D
Acq: 30 Aug 2019 03:07

Tgt Ion: 117 Resp: 6954
Ion Ratio Lower Upper
117 100
201 99.3 52.8 158.5

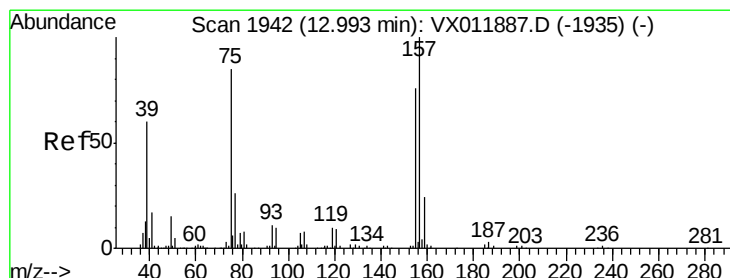
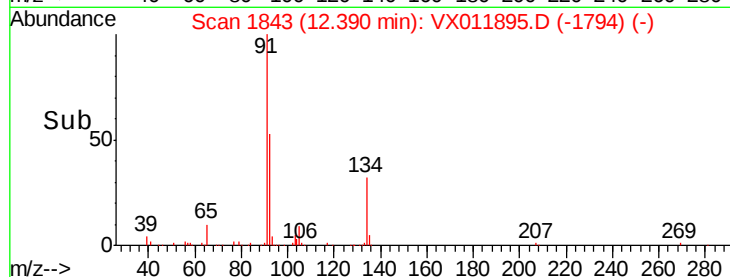
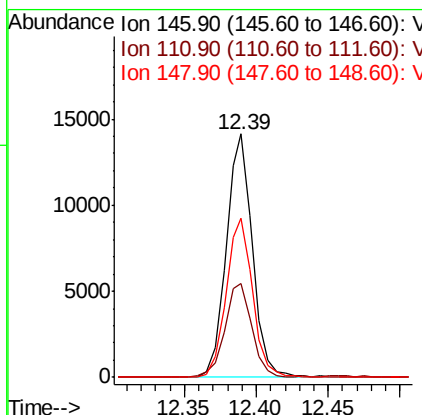
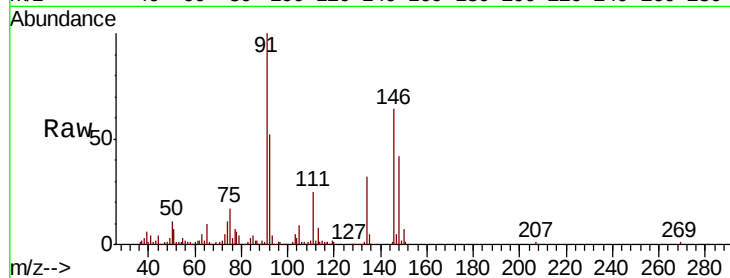




#91
 1,2-Dichlorobenzene
 Concen: 2.420 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

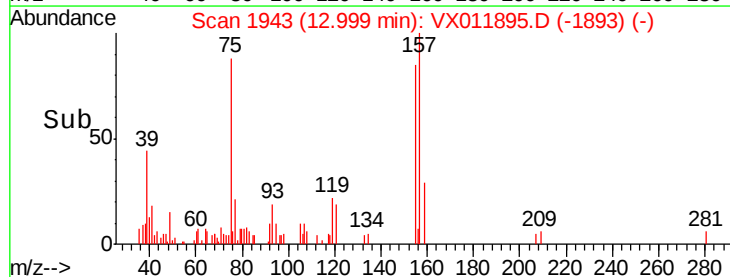
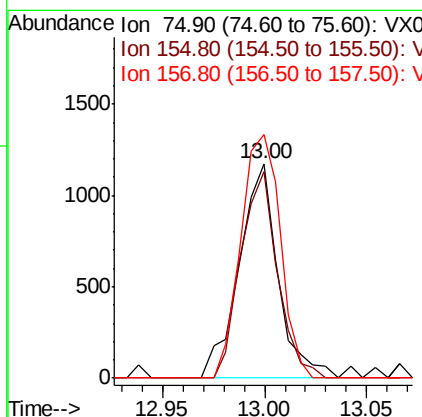
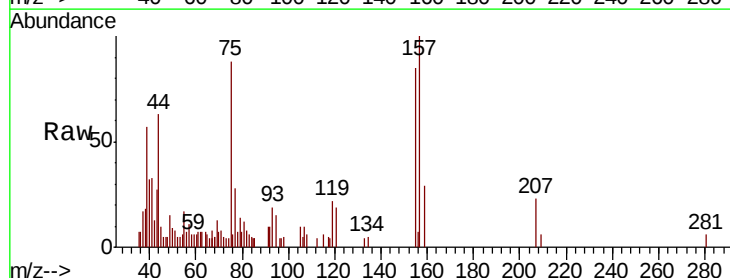
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

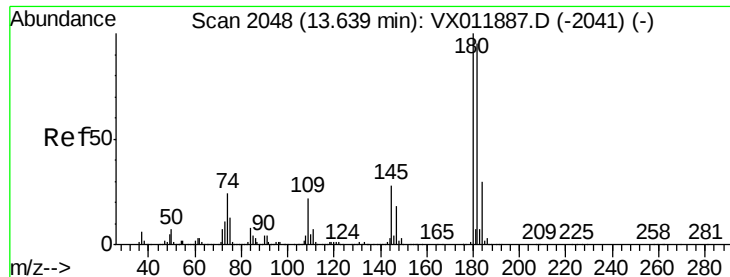
Tgt Ion:146 Resp: 17992
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.9 56.5
 148 65.8 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.578 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion: 75 Resp: 1559
 Ion Ratio Lower Upper
 75 100
 155 90.8 50.1 150.4
 157 115.2 63.9 191.7

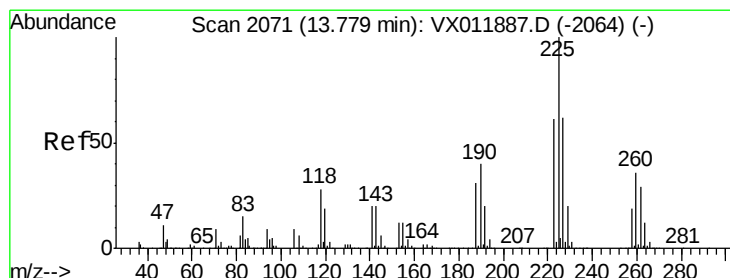
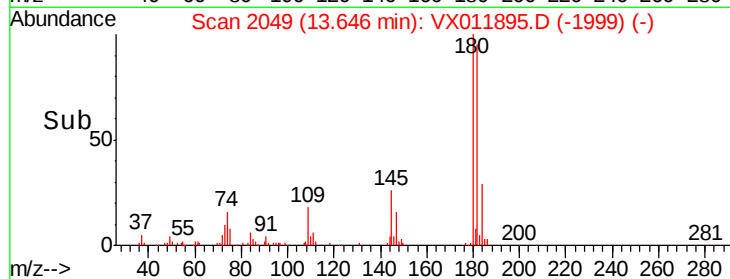
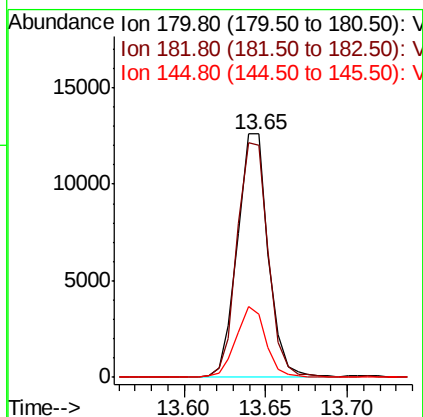
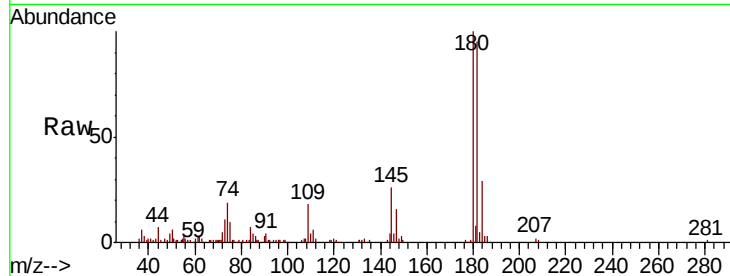




#93
 1,2,4-Trichlorobenzene
 Concen: 2.671 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

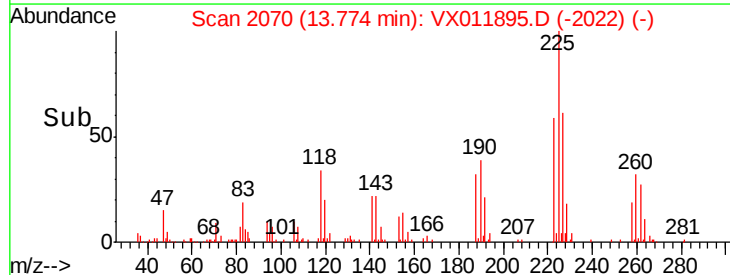
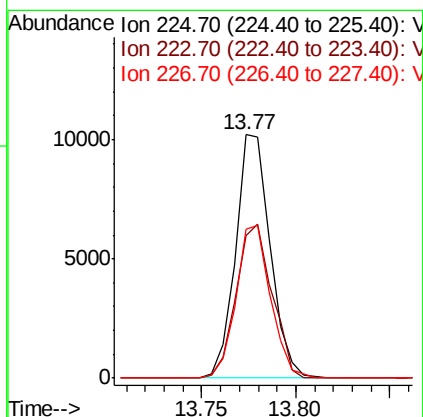
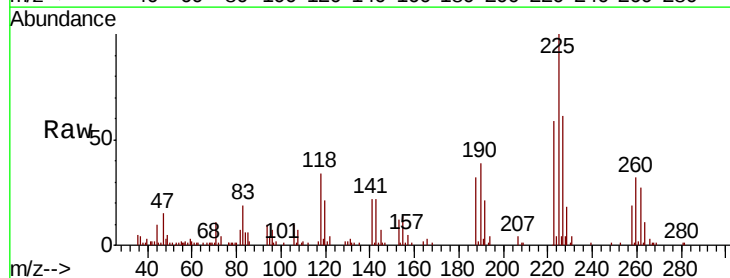
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

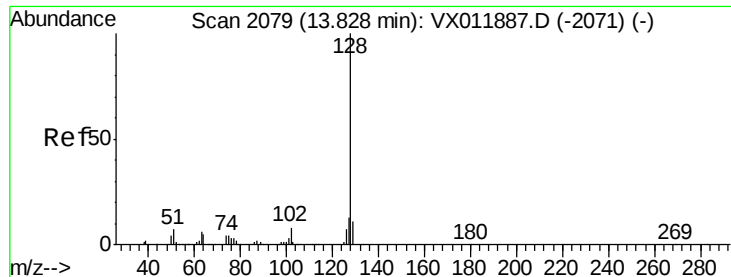
Tgt Ion:180 Resp: 16717
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.4
 145 27.9 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 3.103 ug/l
 RT: 13.77 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VX011895.D
 Acq: 30 Aug 2019 03:07

Tgt Ion:225 Resp: 12971
 Ion Ratio Lower Upper
 225 100
 223 65.5 30.8 92.3
 227 62.6 31.9 95.7





#95

Naphthalene

Concen: 2.357 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

MDL02

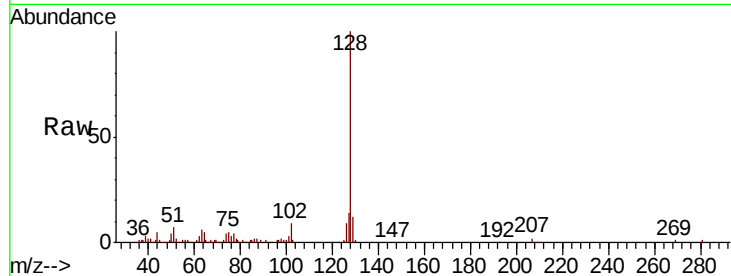
Tgt Ion:128 Resp: 25323

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

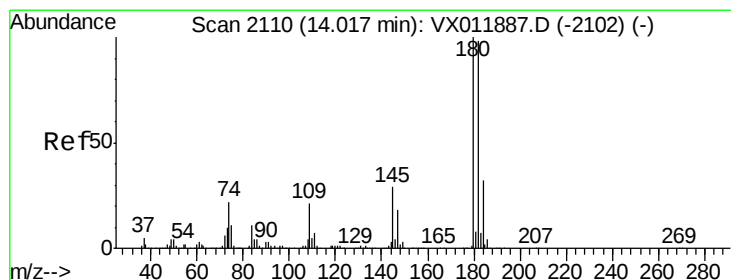
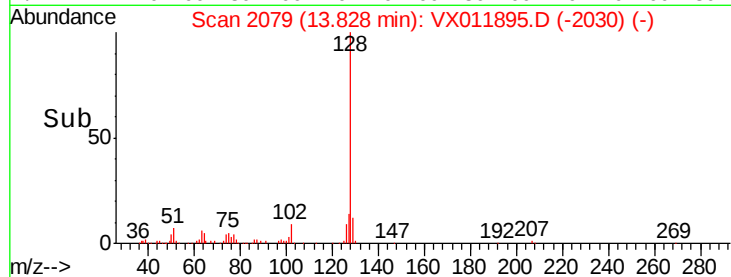
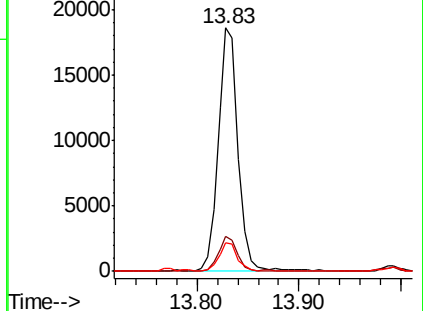
129 11.2 8.8 13.2



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: 2.542 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011895.D

Acq: 30 Aug 2019 03:07

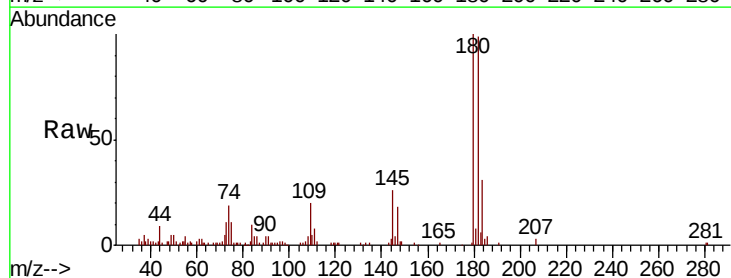
Tgt Ion:180 Resp: 14387

Ion Ratio Lower Upper

180 100

182 99.9 48.3 144.8

145 30.7 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

