

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011879.D
 Acq On : 28 Aug 2019 20:13
 Operator : SY/SP
 Sample : MDL02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Quant Time: Aug 29 12:14:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 12:09:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	309184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	460637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	231334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149280	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	5.49	113	131501	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	8.71	98	513509	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	199864	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	5337	2.784	ug/l	98
3) Chloromethane	1.32	50	8858	3.644	ug/l	97
4) Vinyl Chloride	1.40	62	6064	2.734	ug/l	97
5) Bromomethane	1.64	94	4876	3.750	ug/l	87
6) Chloroethane	1.72	64	3526	2.483	ug/l	95
7) Trichlorofluoromethane	1.92	101	9115	2.500	ug/l	99
8) Diethyl Ether	2.18	74	3756	3.379	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5891	2.515	ug/l	97
11) Tert butyl alcohol	3.03	59	6093	30.367	ug/l #	87
12) 1,1-Dichloroethene	2.37	96	6270	2.705	ug/l	97
13) Acrolein	2.28	56	3648	35.267	ug/l	97
14) Allyl chloride	2.72	41	10050	2.567	ug/l	97
15) Acrylonitrile	3.14	53	8479	14.353	ug/l	98
16) Acetone	2.43	43	64382	68.963	ug/l	98
17) Carbon Disulfide	2.56	76	16736	2.392	ug/l	97
18) Methyl Acetate	2.76	43	12206	5.960	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	18816	2.987	ug/l	98
20) Methylene Chloride	2.85	84	15793	5.505	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	6631	2.530	ug/l	94
22) Diisopropyl ether	3.84	45	23119	2.974	ug/l	91
23) Vinyl Acetate	3.81	43	38471	11.246	ug/l	99
24) 1,1-Dichloroethane	3.69	63	12088	2.637	ug/l	93
25) 2-Butanone	4.67	43	13175	16.391	ug/l	94
26) 2,2-Dichloropropane	4.57	77	7952	2.128	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	7646	2.557	ug/l	86
28) Bromochloromethane	5.01	49	6736	3.273	ug/l	98
29) Tetrahydrofuran	5.13	42	8198	17.235	ug/l	95
30) Chloroform	5.20	83	15382	3.207	ug/l	95
31) Cyclohexane	5.57	56	10080	2.526	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	10777	2.499	ug/l	97
36) 1,1-Dichloropropene	5.79	75	9259	2.444	ug/l	98
37) Ethyl Acetate	4.84	43	3928	2.465	ug/l #	95
38) Carbon Tetrachloride	5.77	117	7670	2.077	ug/l	94
39) Methylcyclohexane	7.46	83	10713	2.313	ug/l	97

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Quant Time: Aug 29 12:14:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 12:09:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.13	78	27312	2.499	ug/l	97
41) Methacrylonitrile	5.05	41	3528	3.264	ug/l #	45
42) 1,2-Dichloroethane	6.19	62	9775	2.817	ug/l	85
43) Isopropyl Acetate	6.44	43	8361	2.671	ug/l	95
44) Trichloroethene	7.20	130	9929	2.703	ug/l	98
45) 1,2-Dichloropropane	7.51	63	6798	2.500	ug/l	90
46) Dibromomethane	7.65	93	4556	2.828	ug/l	89
47) Bromodichloromethane	7.90	83	9090	2.399	ug/l	96
48) Methyl methacrylate	7.77	41	4208	2.688	ug/l	96
49) 1,4-Dioxane	7.74	88	2050	121.537	ug/l #	80
51) 4-Methyl-2-Pentanone	8.63	43	36407	28.874	ug/l	100
52) Toluene	8.78	92	18219	2.587	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	6446	1.997	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	9000	2.209	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5685	2.708	ug/l	96
56) Ethyl methacrylate	9.18	69	5137	2.509	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	8989	2.576	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	6939	11.374	ug/l	93
59) 2-Hexanone	9.49	43	27851	34.564	ug/l	99
60) Dibromochloromethane	9.58	129	6730	2.409	ug/l	96
61) 1,2-Dibromoethane	9.66	107	5355	2.605	ug/l	92
64) Tetrachloroethene	9.33	164	10836	2.621	ug/l	96
65) Chlorobenzene	10.13	112	21159	2.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	6472	2.242	ug/l	96
67) Ethyl Benzene	10.25	91	36712	2.716	ug/l	98
68) m/p-Xylenes	10.35	106	28487	5.536	ug/l	99
69) o-Xylene	10.69	106	14306	2.955	ug/l	96
70) Stvrene	10.71	104	21433	2.677	ug/l	96
71) Bromoform	10.85	173	4384	2.344	ug/l #	95
73) Isopropylbenzene	11.01	105	44390	3.323	ug/l	100
74) N-amyl acetate	6.44	43	8361	2.485	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.26	83	5853	2.618	ug/l	94
76) 1,2,3-Trichloropropane	11.29	75	4273m	2.487	ug/l	
77) Bromobenzene	11.25	156	10733	2.882	ug/l	98
78) n-propylbenzene	11.35	91	51126	3.479	ug/l	99
79) 2-Chlorotoluene	11.41	91	26740	2.904	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	36286	3.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1024m	2.121	ug/l	
82) 4-Chlorotoluene	11.51	91	33279	3.117	ug/l	99
83) tert-Butylbenzene	11.77	119	38439	3.690	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	40536	3.813	ug/l	100
85) sec-Butylbenzene	11.94	105	52258	4.319	ug/l	98
86) p-Isopropyltoluene	12.06	119	49636	4.454	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	21814	3.262	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	22689	3.503	ug/l	90
89) n-Butylbenzene	12.38	91	45518	4.923	ug/l	99
90) Hexachloroethane	12.59	117	3196	1.787	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	21436	3.755	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	922	2.930	ug/l	90
93) 1,2,4-Trichlorobenzene	13.64	180	21629	5.459	ug/l	100

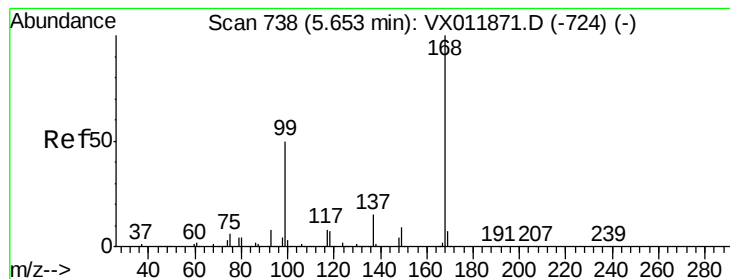
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 12:09:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	12637	4.374	ug/l	100
95) Naphthalene	13.83	128	34680	7.280	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	20402	6.346	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

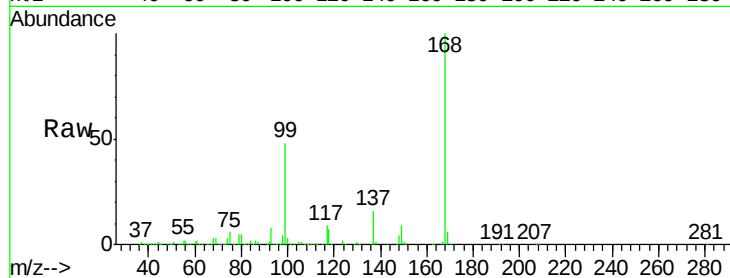
MDL02

Tot Ion:168 Resp: 309184

Ion Ratio Lower Upper

168 100

99 47.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

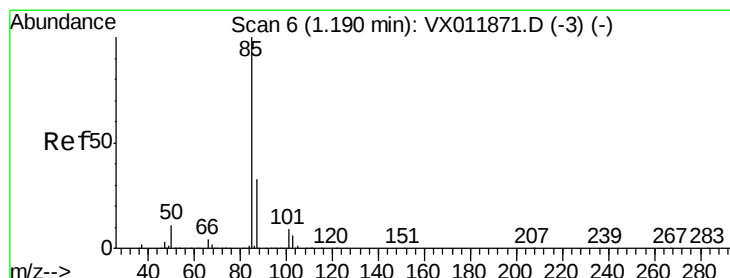
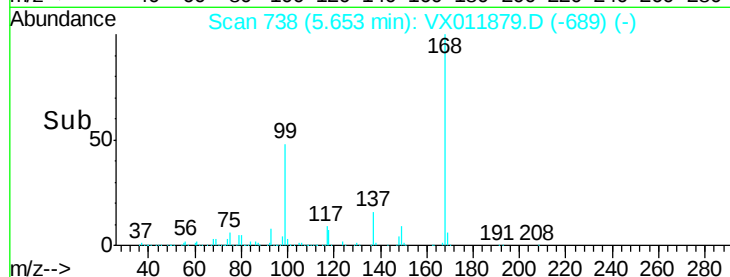
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.784 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011879.D

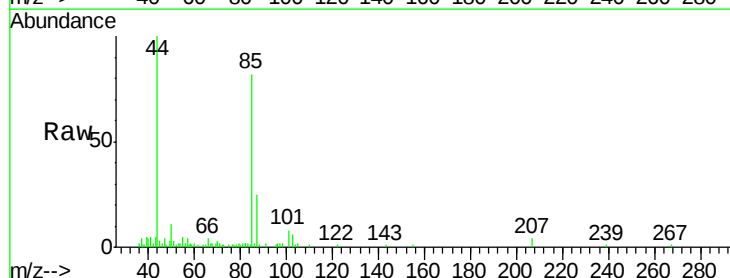
Acq: 28 Aug 2019 20:13

Tgt Ion: 85 Resp: 5337

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

6000

5000

4000

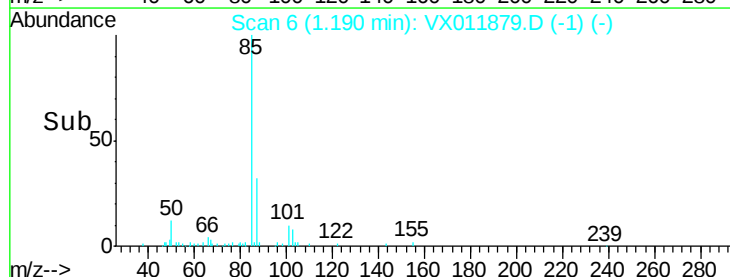
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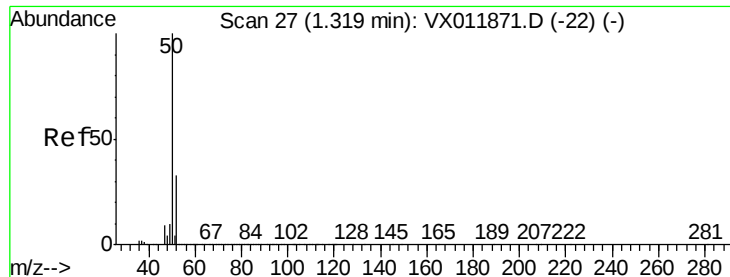
2000

1000

0

Time-->





#3

Chloromethane

Concen: 3.644 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

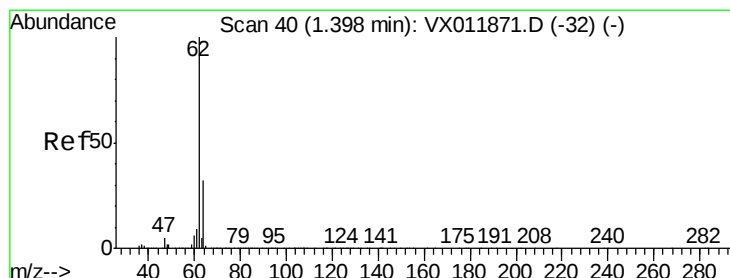
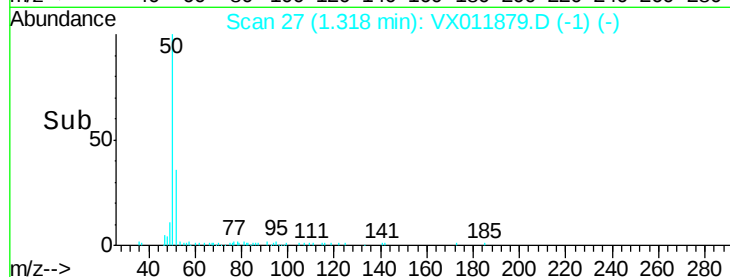
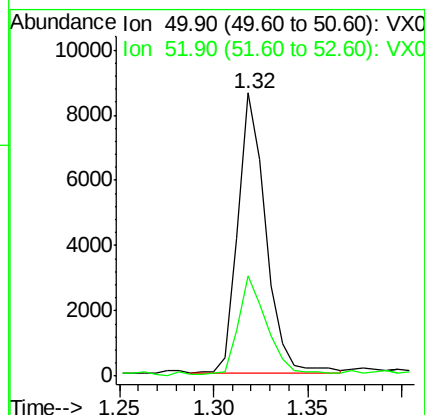
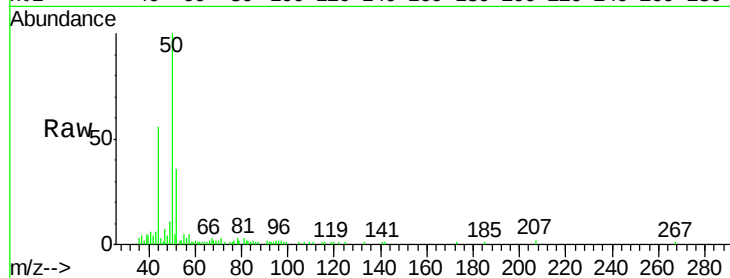
MDL02

Tot Ion: 50 Resp: 8858

Ion Ratio Lower Upper

50 100

52 35.1 26.5 39.7



#4

Vinyl Chloride

Concen: 2.734 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011879.D

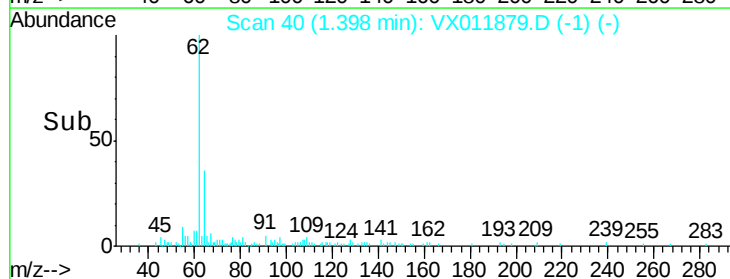
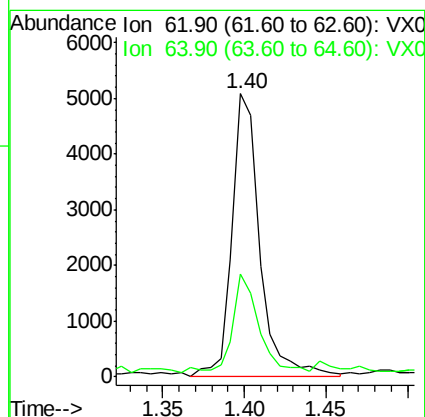
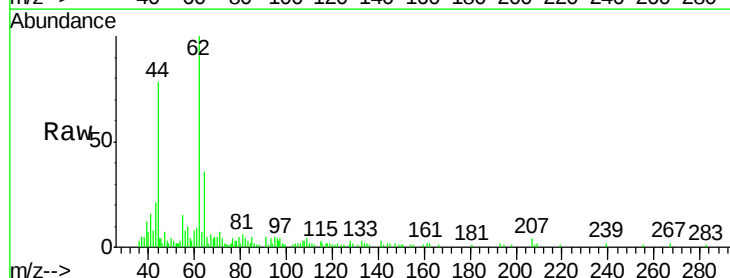
Acq: 28 Aug 2019 20:13

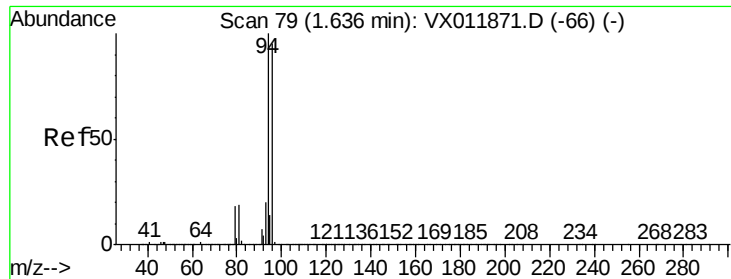
Tgt Ion: 62 Resp: 6064

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 3.750 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

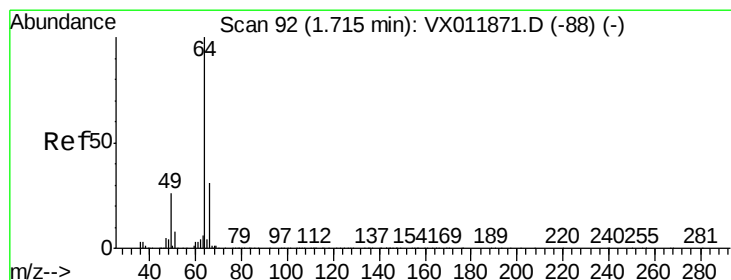
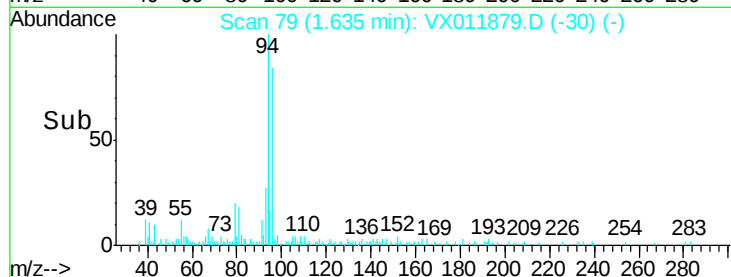
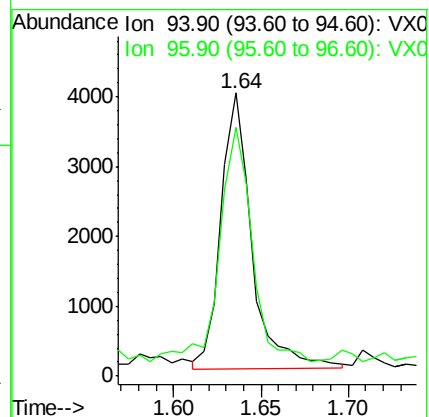
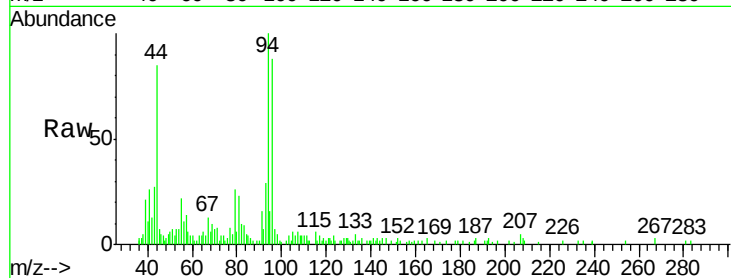
MDL02

Tot Ion: 94 Resp: 4876

Ion Ratio Lower Upper

94 100

96 82.3 76.0 114.0



#6

Chloroethane

Concen: 2.483 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011879.D

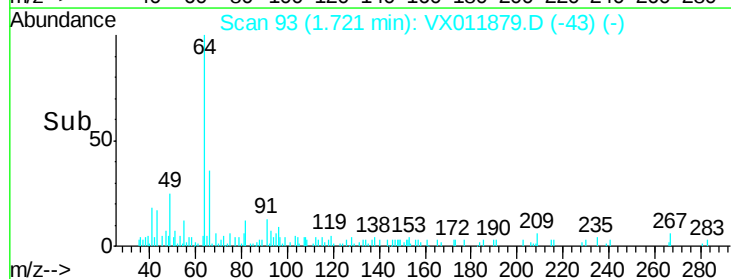
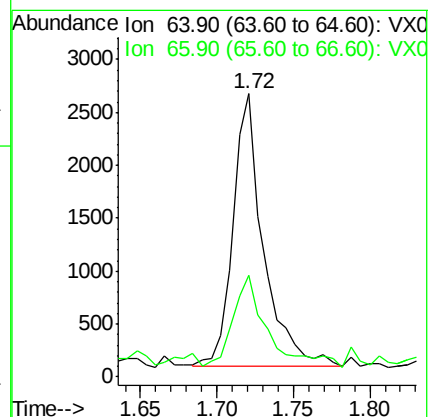
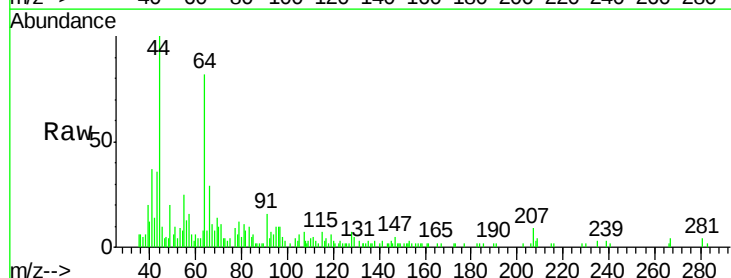
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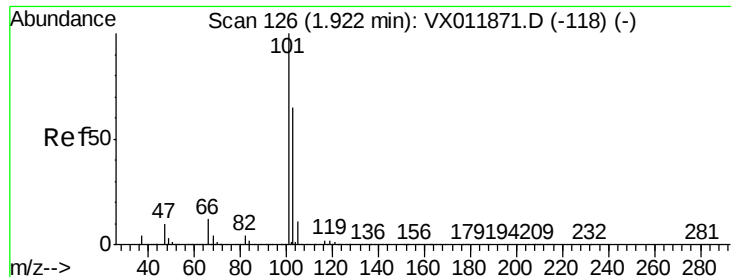
Tgt Ion: 64 Resp: 3526

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



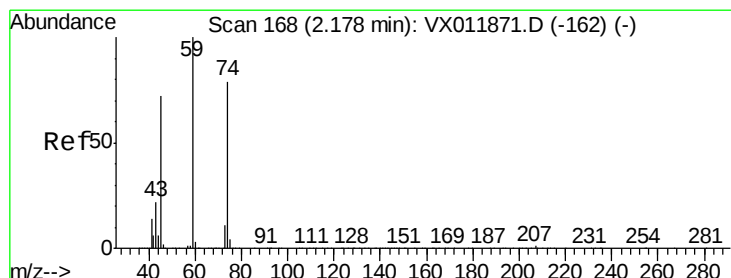
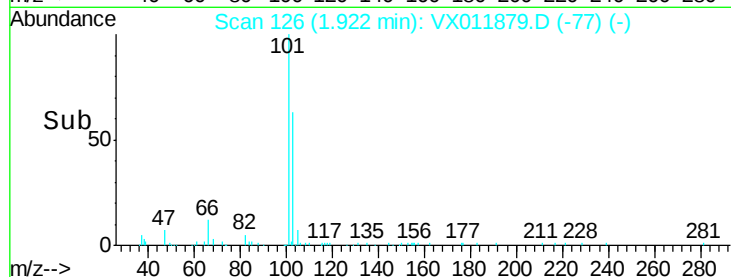
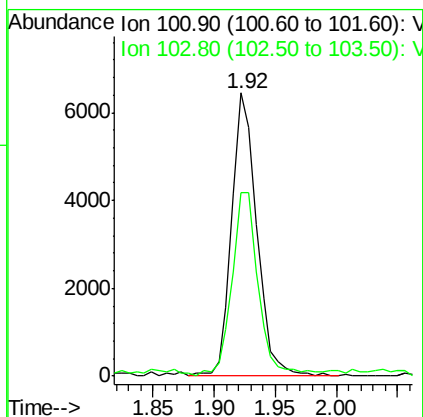
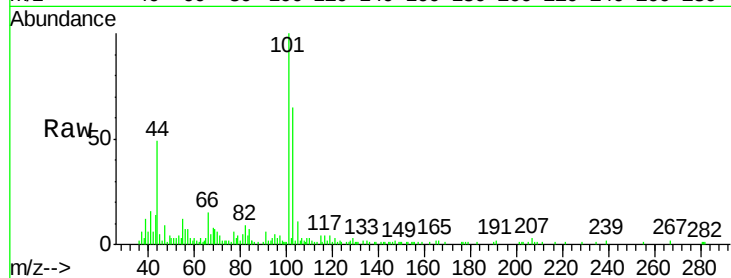


#7

Trichlorofluoromethane
Concen: 2.500 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011879.D
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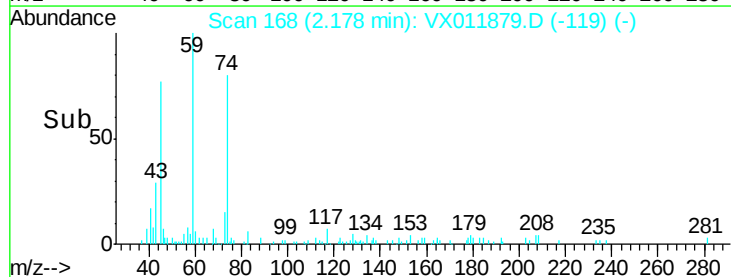
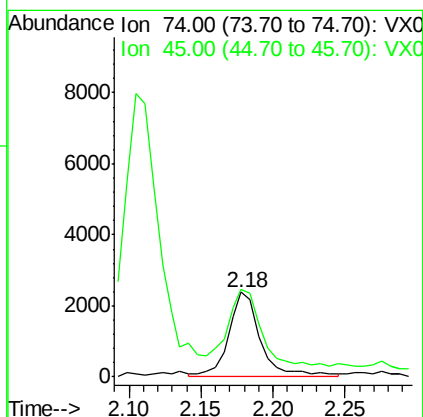
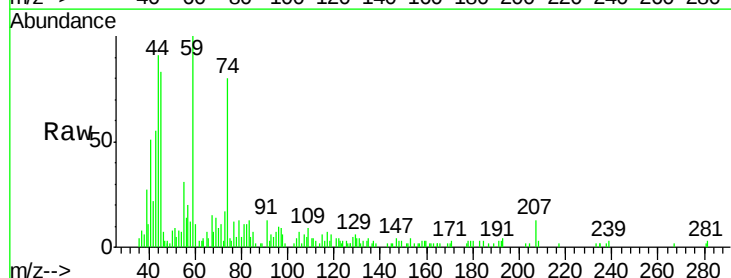
Tot Ion:101 Resp: 9115
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

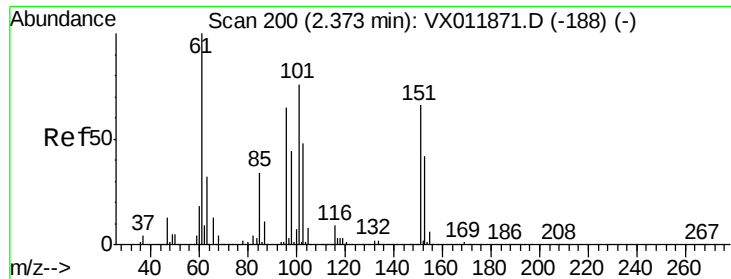


#8

Diethyl Ether
Concen: 3.379 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 74 Resp: 3756
Ion Ratio Lower Upper
74 100
45 107.2 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.515 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

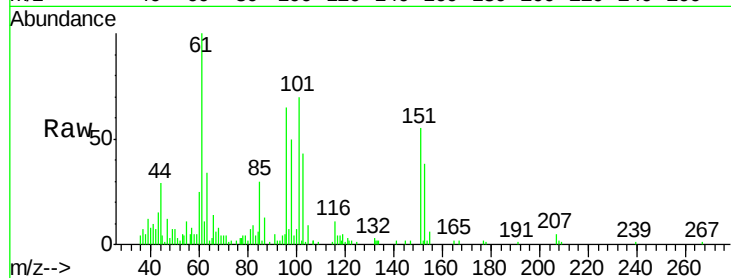
Tot Ion:101 Resp: 5891

Ion Ratio Lower Upper

101 100

85 45.1 34.5 51.7

151 89.3 69.4 104.2

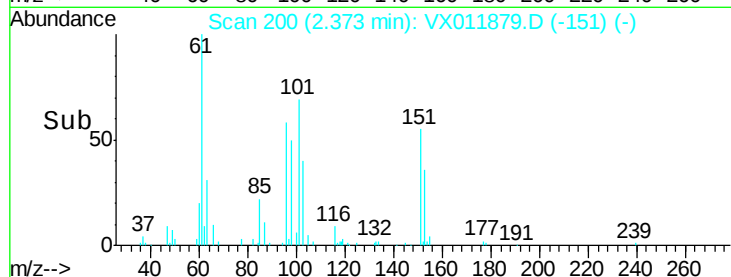


Abundance Ion 100.90 (100.60 to 101.60): V

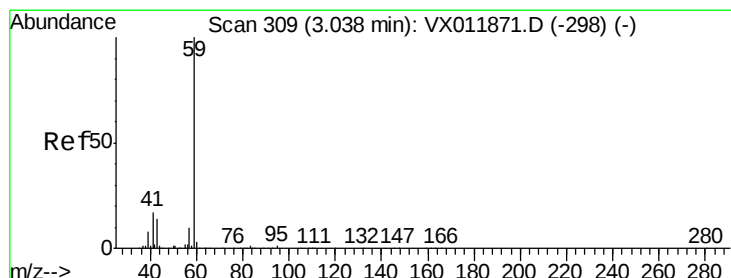
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 30.367 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011879.D

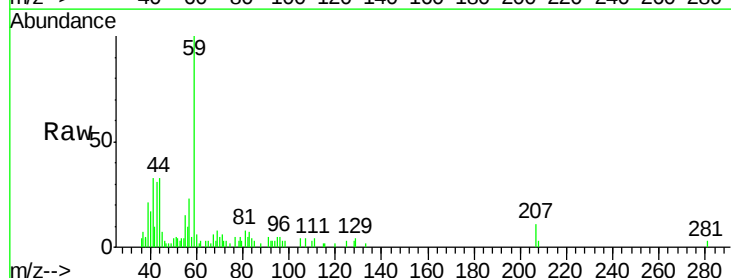
Acq: 28 Aug 2019 20:13

Tgt Ion: 59 Resp: 6093

Ion Ratio Lower Upper

59 100

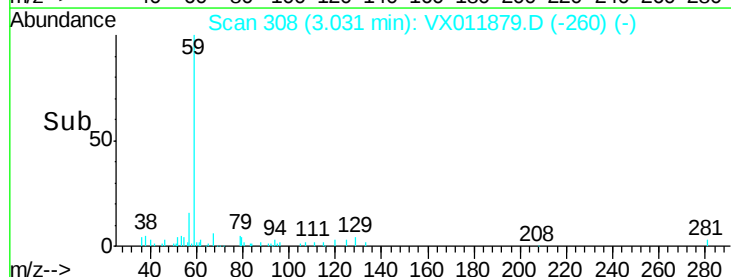
57 15.1 8.3 12.5#



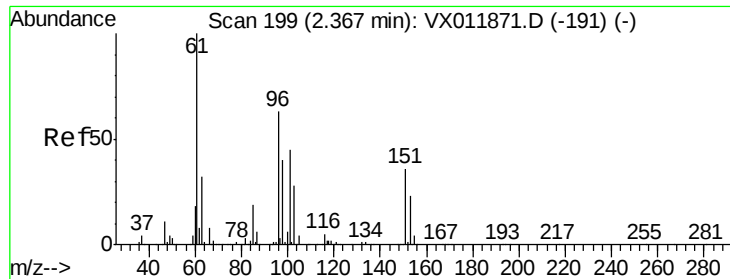
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 2.705 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

MDL02

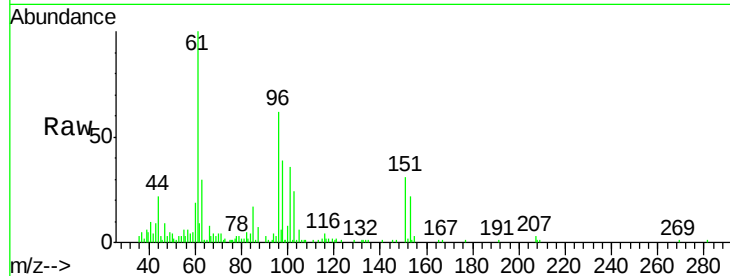
Tot Ion: 96 Resp: 6270

Ion Ratio Lower Upper

96 100

61 163.8 128.0 192.0

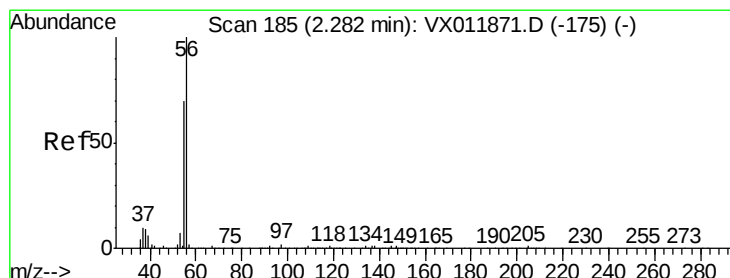
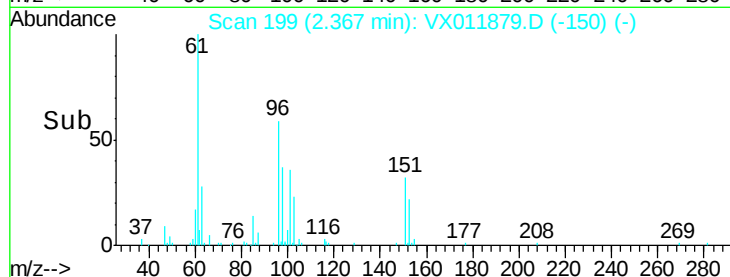
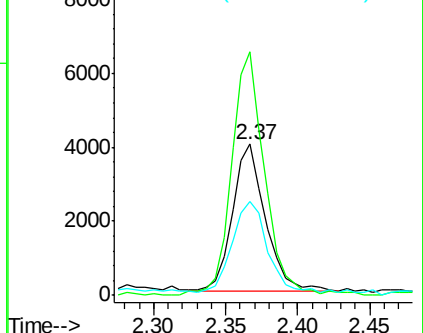
98 61.8 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 35.267 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX011879.D

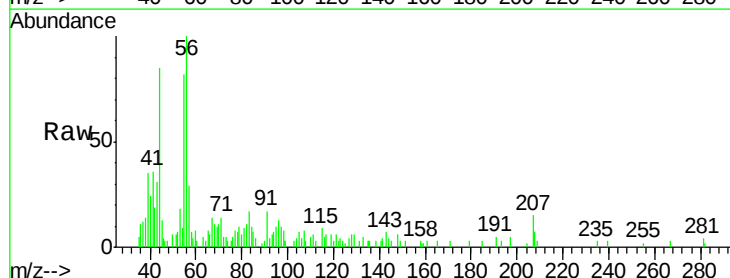
Acq: 28 Aug 2019 20:13

Tgt Ion: 56 Resp: 3648

Ion Ratio Lower Upper

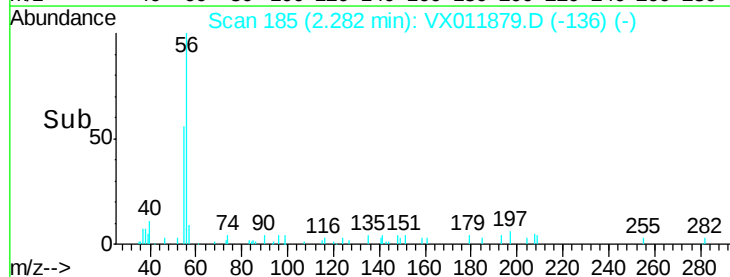
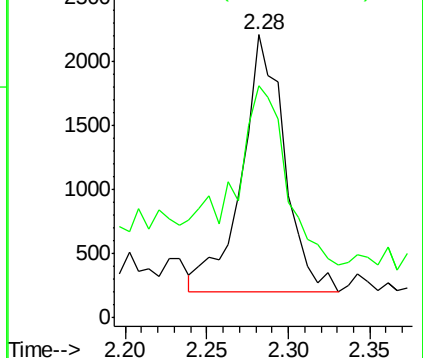
56 100

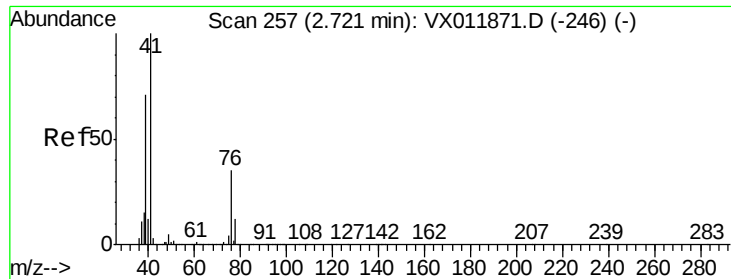
55 73.1 60.2 90.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

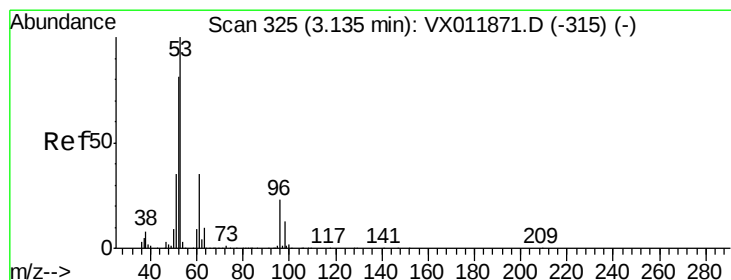
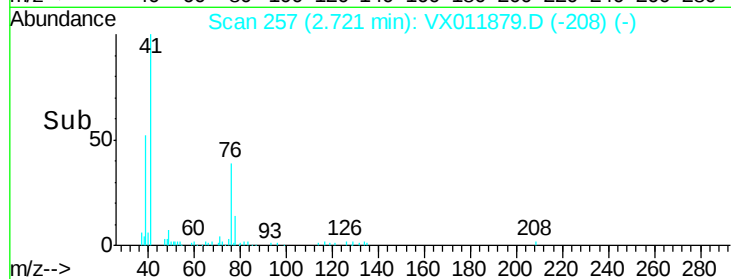
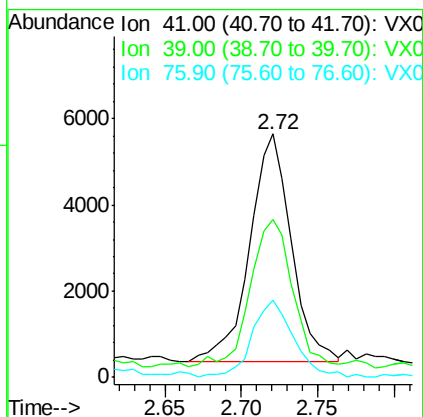
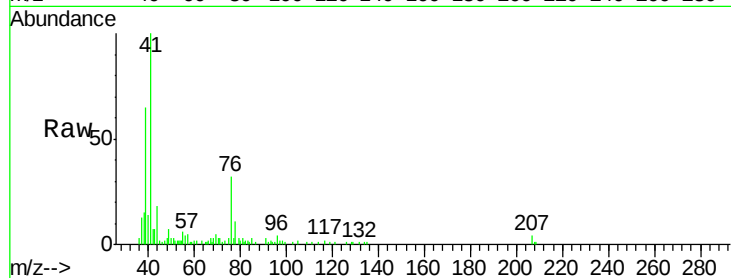




#14
Allvl chloride
Concen: 2.567 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

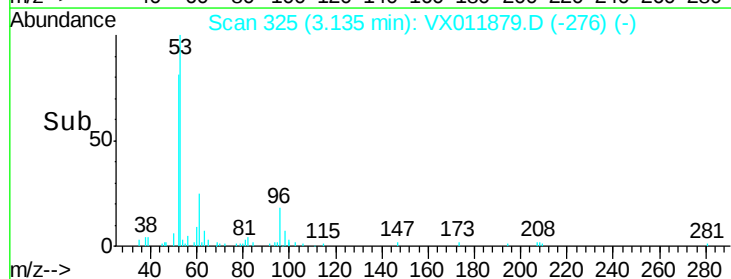
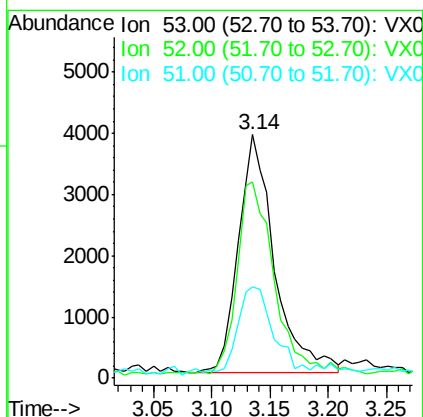
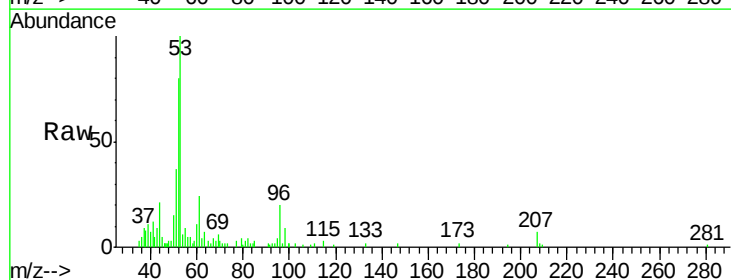
Instrument :
MSVOA_X
ClientSampleId :
MDL02

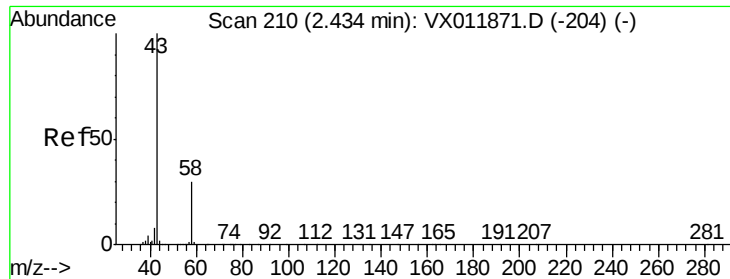
Tot Ion: 41 Resp: 10050
Ion Ratio Lower Upper
41 100
39 64.9 54.6 82.0
76 33.9 27.1 40.7



#15
Acrylonitrile
Concen: 14.353 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 53 Resp: 8479
Ion Ratio Lower Upper
53 100
52 83.5 65.3 97.9
51 34.8 29.1 43.7





#16

Acetone

Concen: 68.963 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

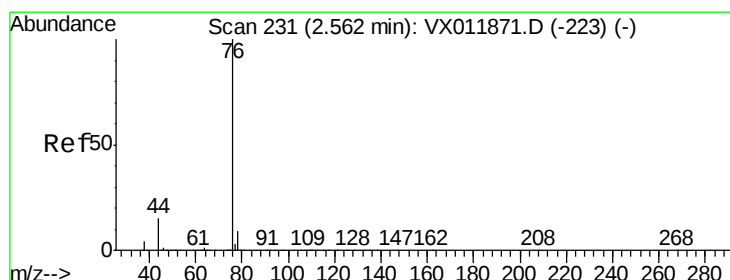
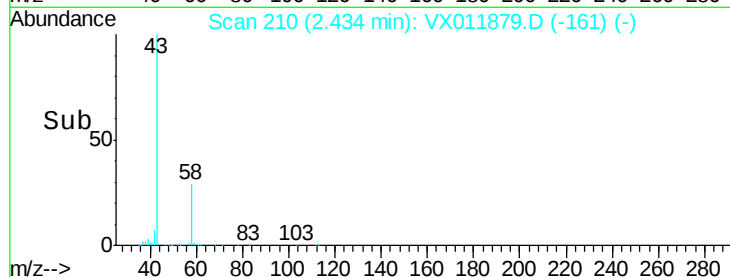
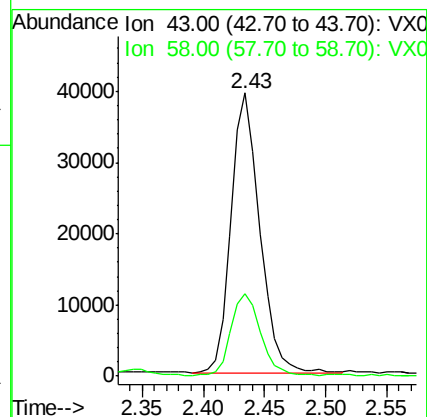
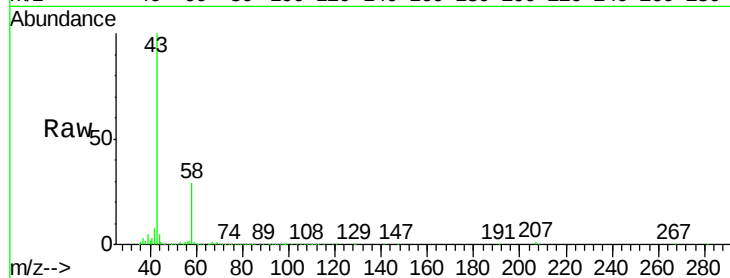
MDL02

Tot Ion: 43 Resp: 64382

Ion Ratio Lower Upper

43 100

58 28.9 24.0 36.0



#17

Carbon Disulfide

Concen: 2.392 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011879.D

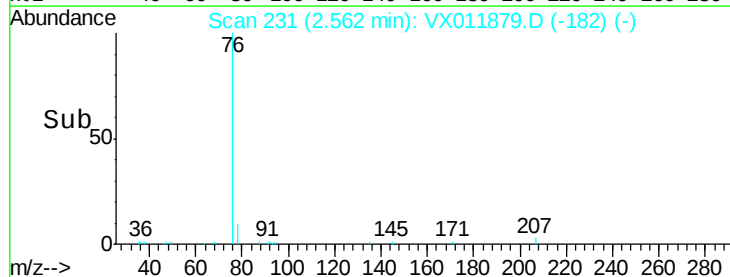
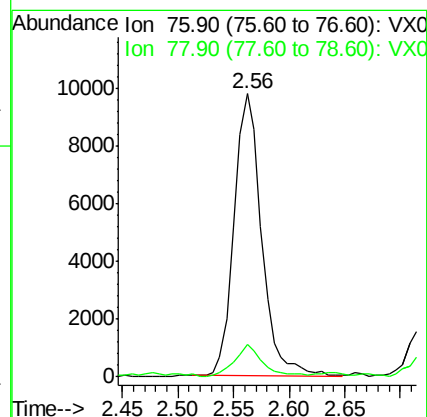
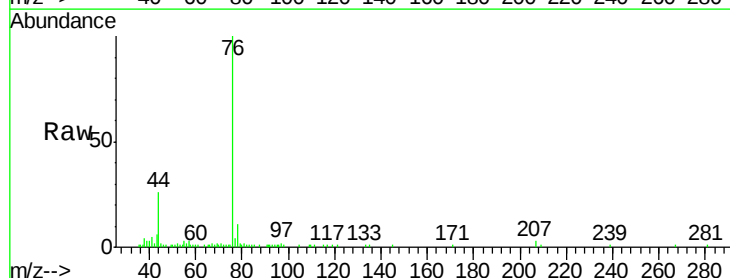
Acq: 28 Aug 2019 20:13

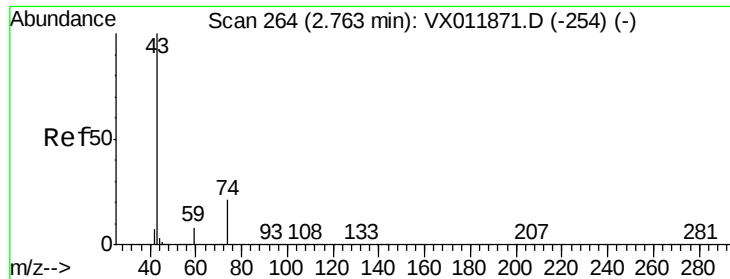
Tgt Ion: 76 Resp: 16736

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2

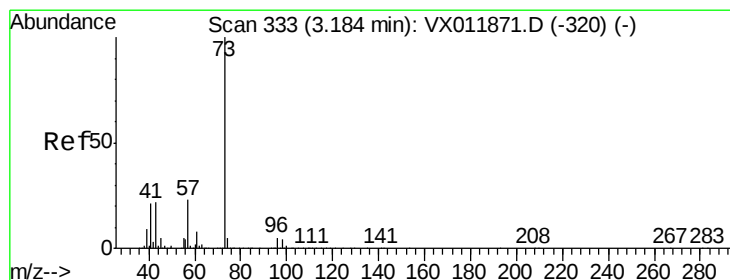
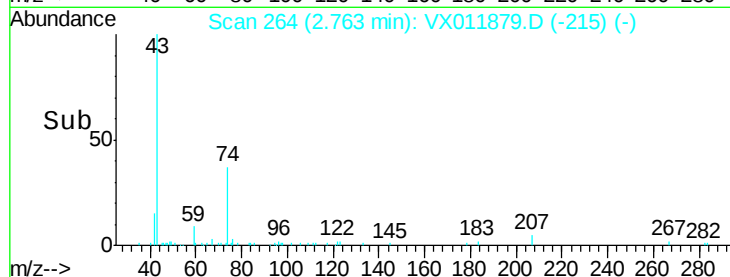
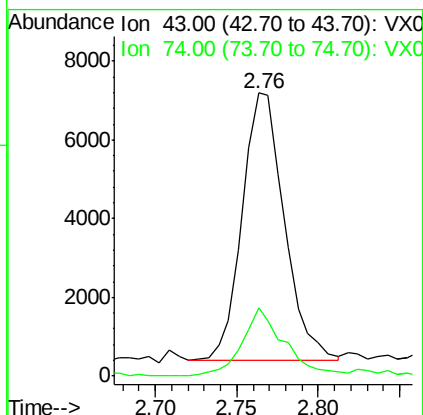
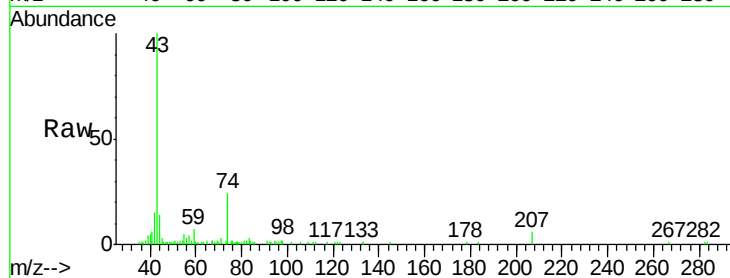




#18
Methvl Acetate
Concen: 5.960 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

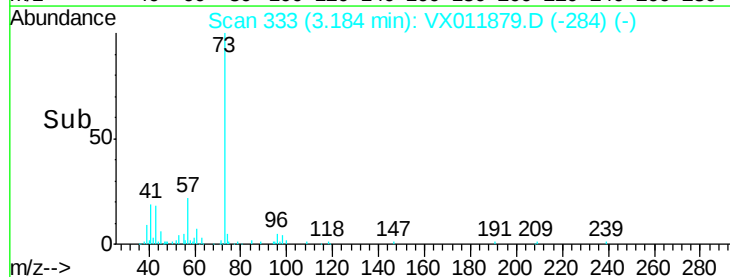
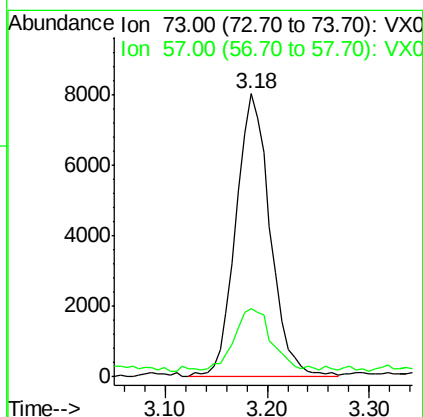
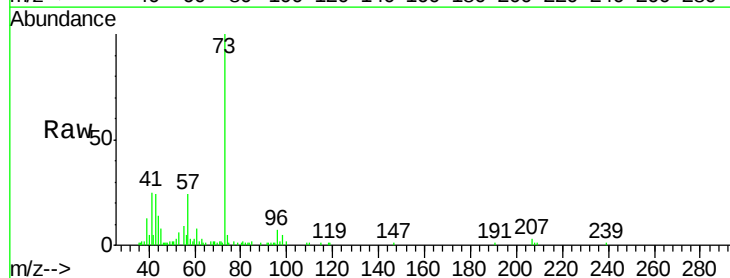
Instrument :
MSVOA_X
ClientSampleId :
MDL02

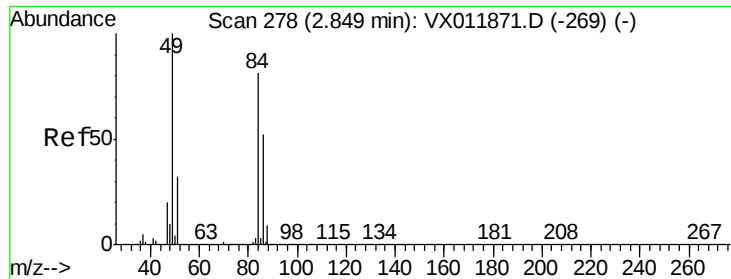
Tot Ion: 43 Resp: 12206
Ion Ratio Lower Upper
43 100
74 25.7 18.6 28.0



#19
Methyl tert-butyl Ether
Concen: 2.987 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 73 Resp: 18816
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1

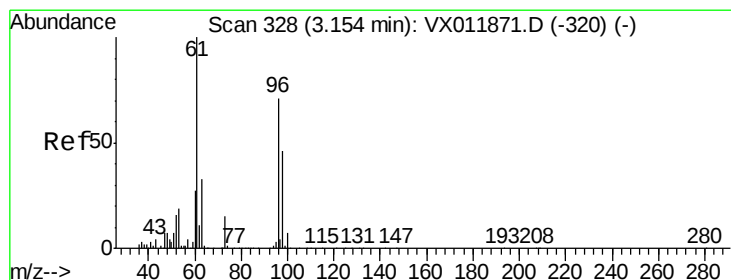
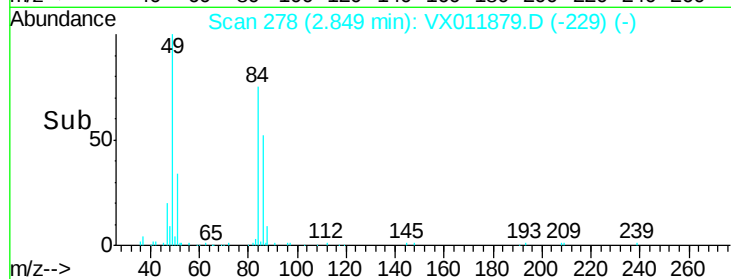
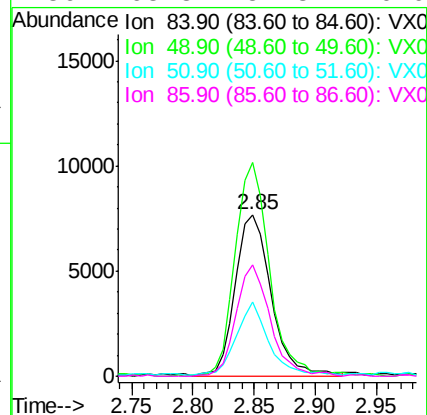
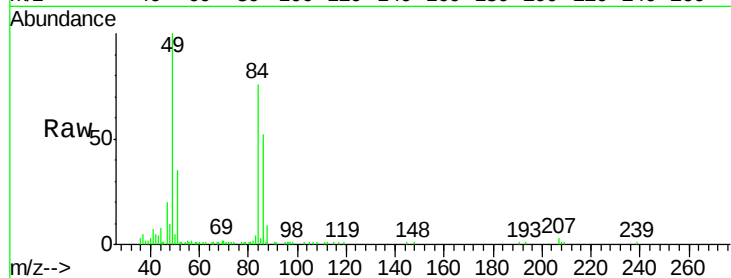




#20
Methylene Chloride
Concen: 5.505 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

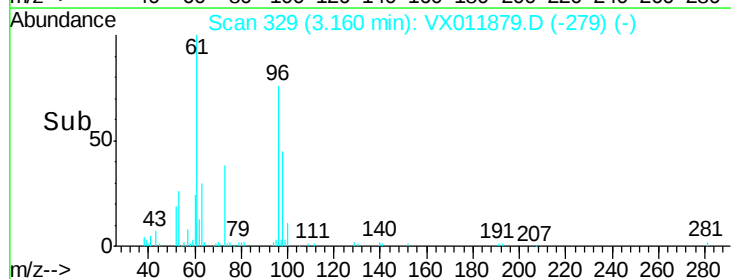
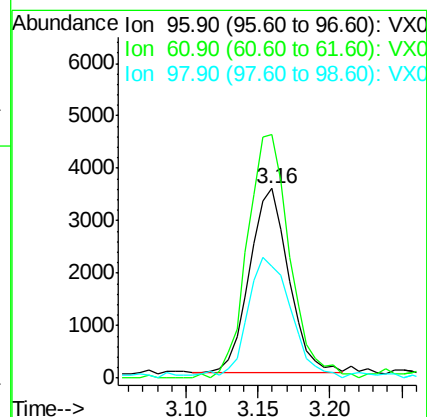
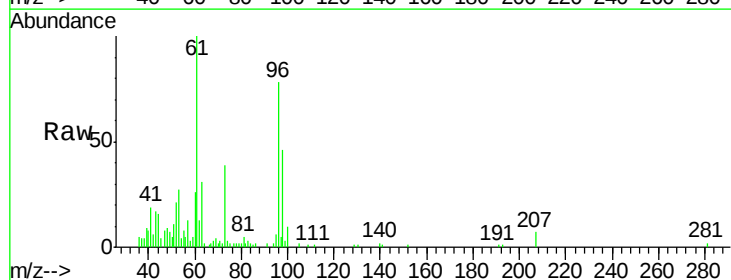
Instrument :
MSVOA_X
ClientSampleId :
MDL02

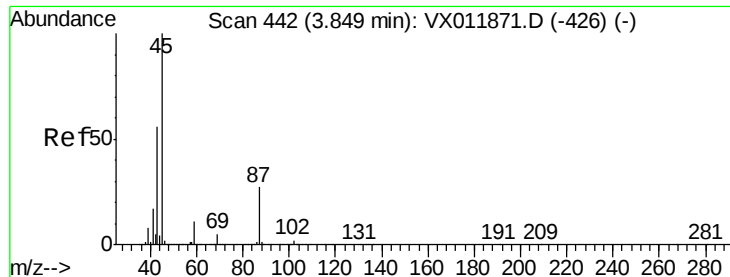
Tot Ion:	84	Resp:	15793
Ion	Ratio	Lower	Upper
84	100		
49	131.4	98.9	148.3
51	44.8	31.4	47.2
86	68.8	51.3	76.9



#21
trans-1,2-Dichloroethene
Concen: 2.530 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion:	96	Resp:	6631
Ion	Ratio	Lower	Upper
96	100		
61	132.1	111.9	167.9
98	60.7	51.7	77.5



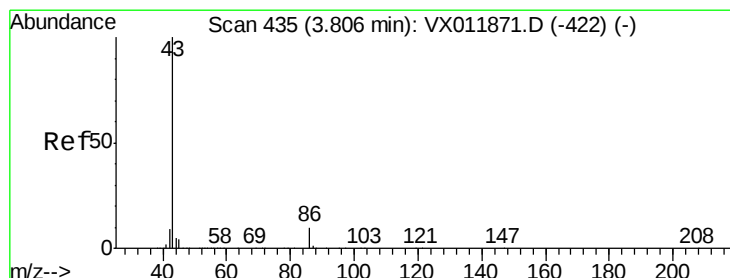
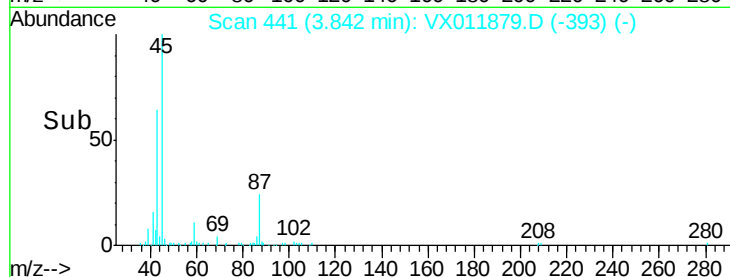
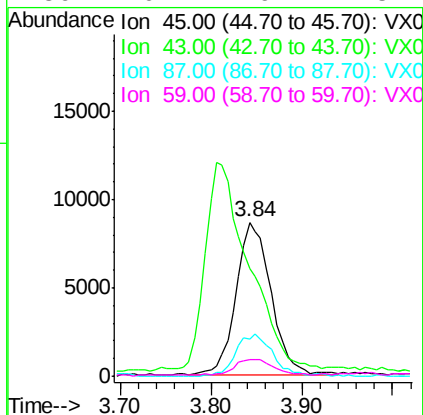
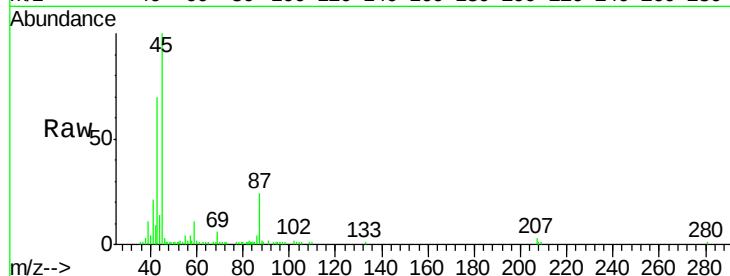


#22

Diisopropyl ether
 Concen: 2.974 ug/l
 RT: 3.84 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

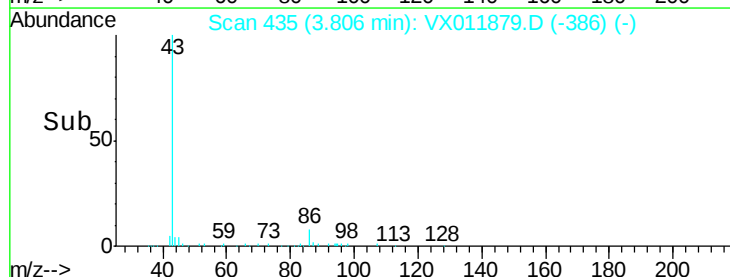
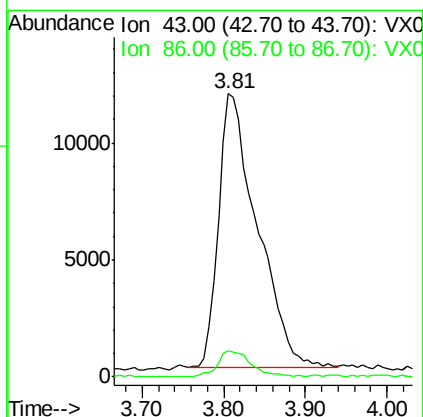
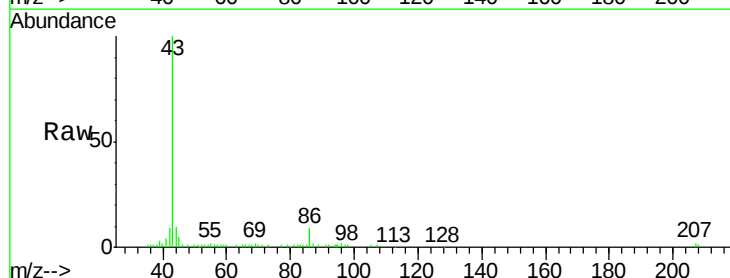
Tot Ion:	45	Resp:	23119
Ion	Ratio	Lower	Upper
45	100		
43	64.9	44.7	67.1
87	24.2	21.5	32.3
59	10.2	9.1	13.7

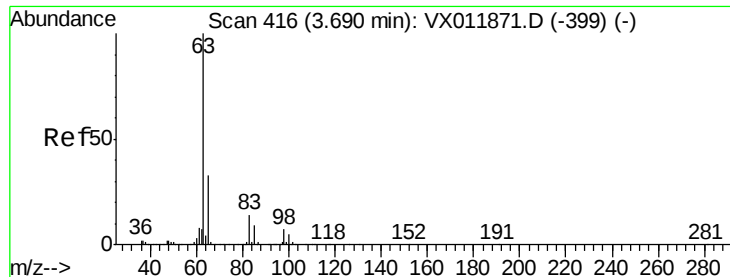


#23

Vinyl Acetate
 Concen: 11.246 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion:	43	Resp:	38471
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1





#24

1,1-Dichloroethane

Concen: 2.637 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

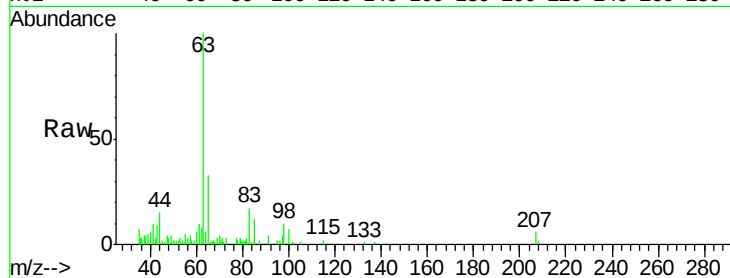
Tot Ion: 63 Resp: 12088

Ion Ratio Lower Upper

63 100

98 10.2 3.7 11.1

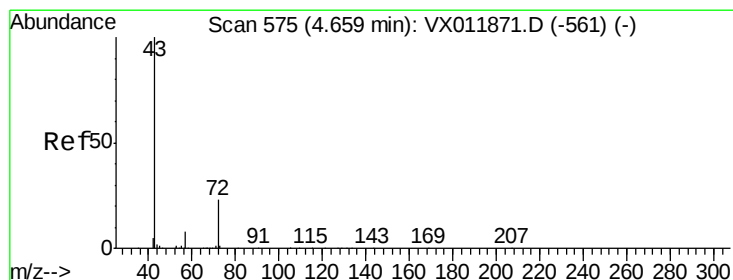
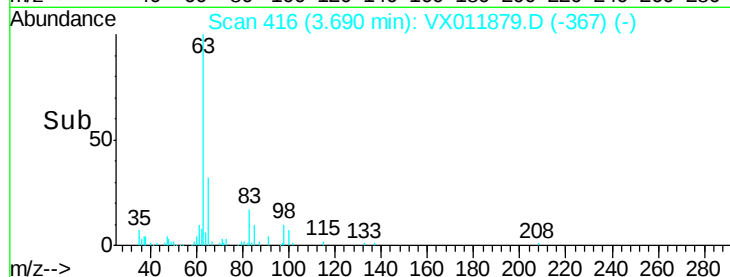
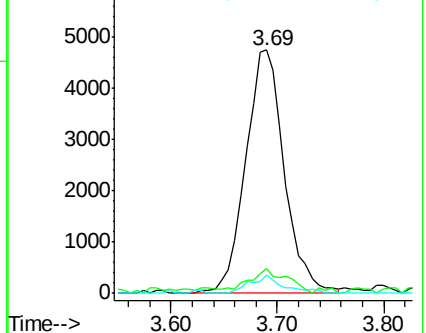
100 7.4 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 16.391 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011879.D

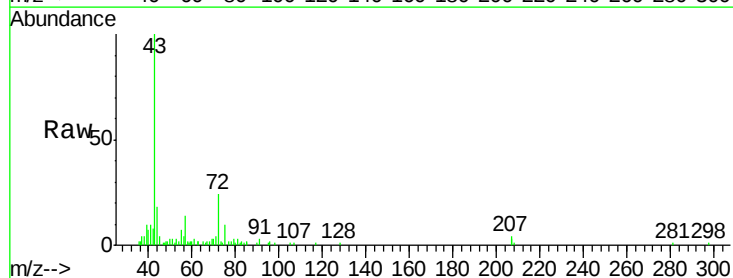
Acq: 28 Aug 2019 20:13

Tgt Ion: 43 Resp: 13175

Ion Ratio Lower Upper

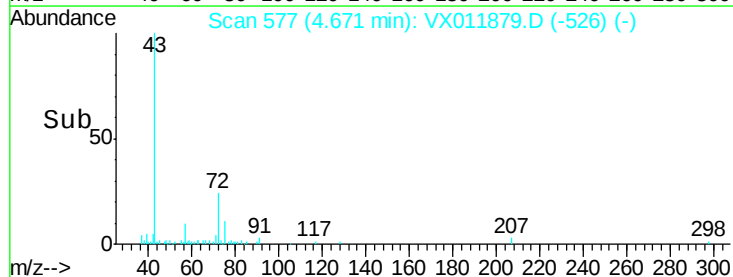
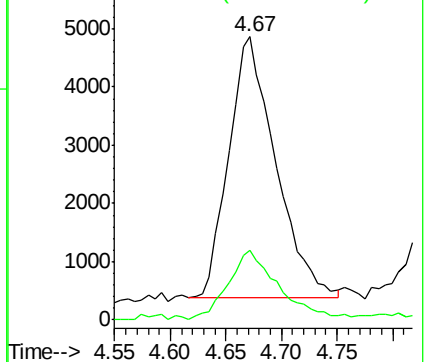
43 100

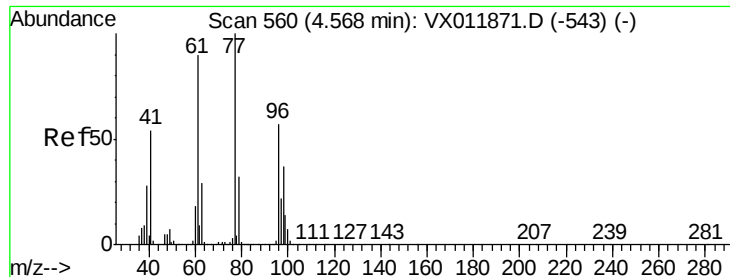
72 26.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 2.128 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

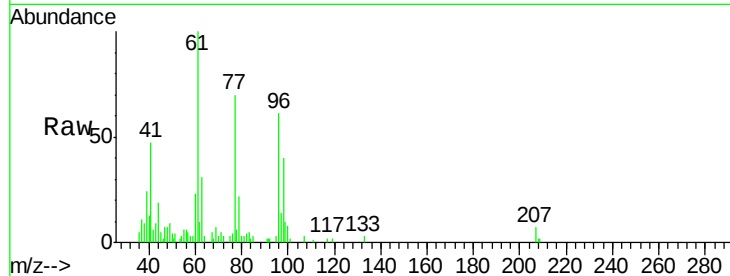
MDL02

Tot Ion: 77 Resp: 7952

Ion Ratio Lower Upper

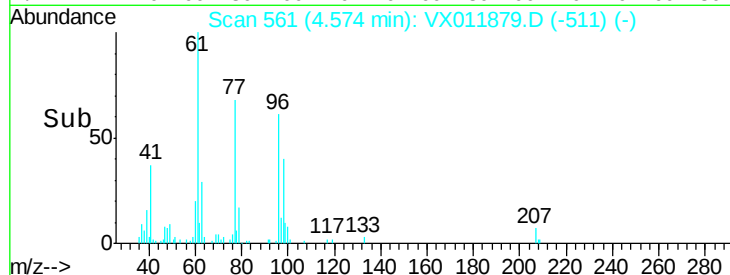
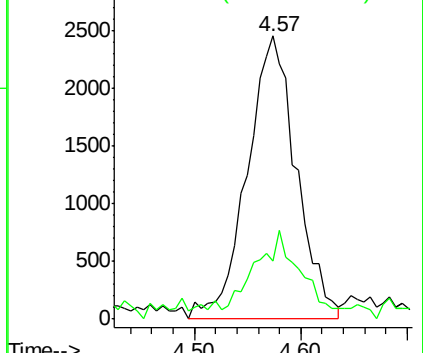
77 100

97 24.6 11.6 34.7



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: 2.557 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

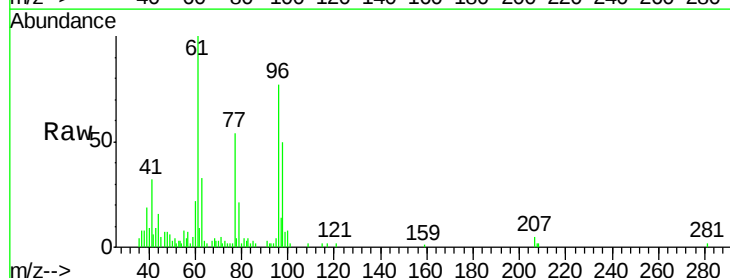
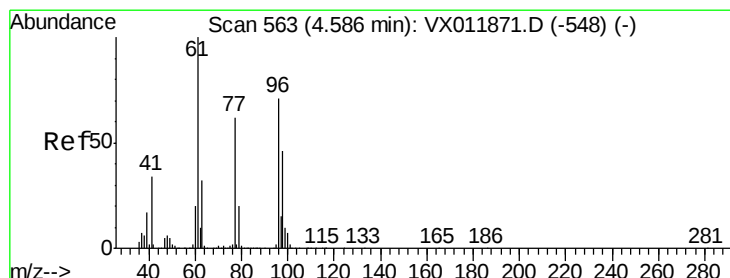
Tgt Ion: 96 Resp: 7646

Ion Ratio Lower Upper

96 100

61 163.7 0.0 288.8

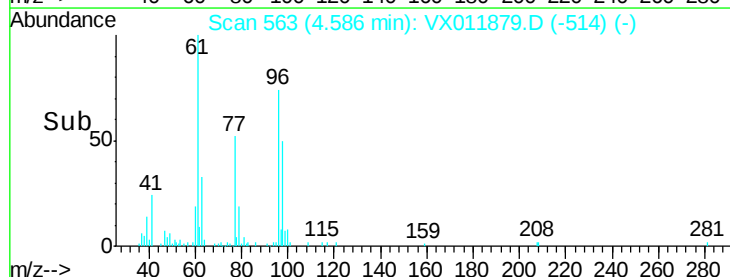
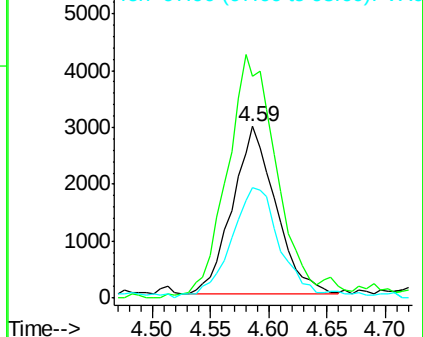
98 73.8 0.0 129.6

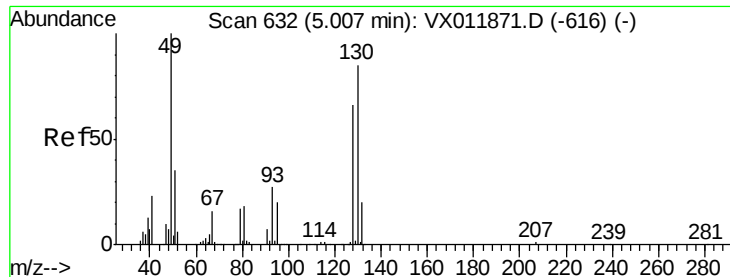


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

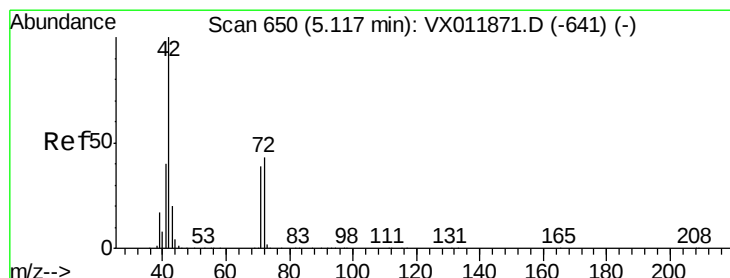
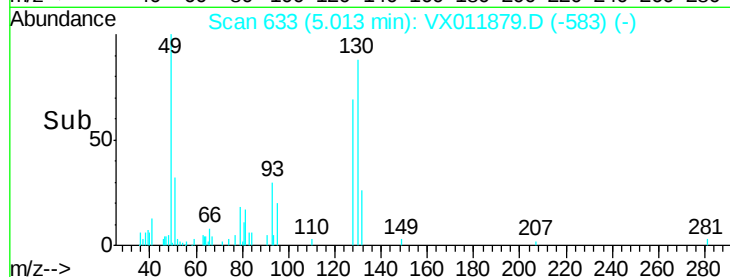
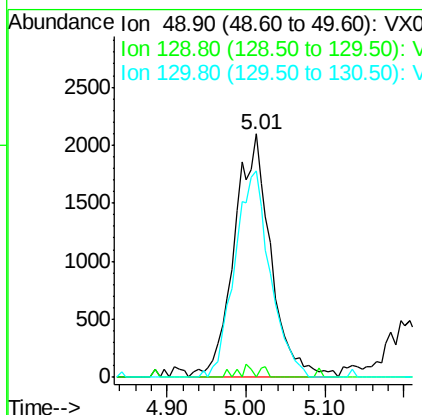
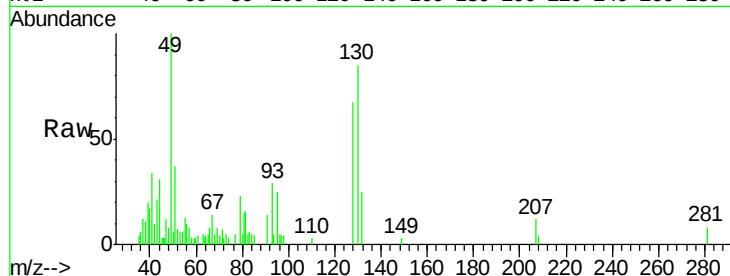




#28
Bromochloromethane
Concen: 3.273 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

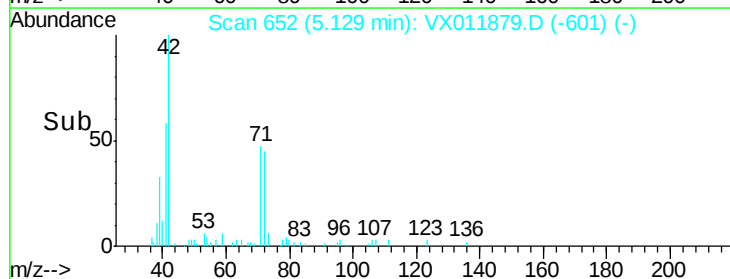
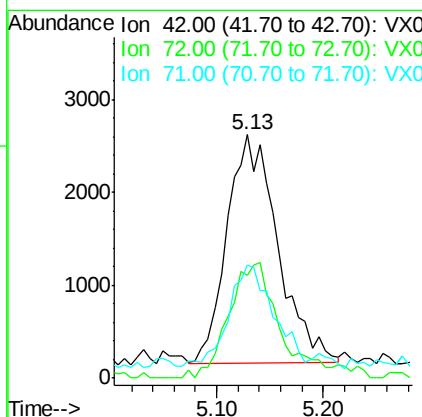
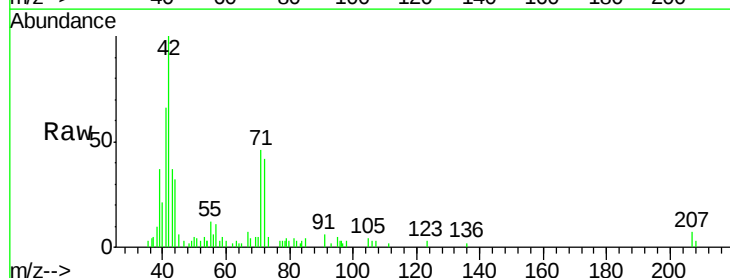
Instrument :
MSVOA_X
ClientSampled :
MDL02

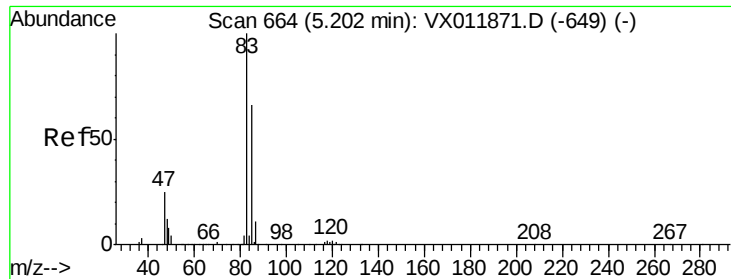
Tot Ion: 49 Resp: 6736
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.6
130 82.6 67.3 100.9



#29
Tetrahydrofuran
Concen: 17.235 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 42 Resp: 8198
Ion Ratio Lower Upper
42 100
72 50.4 35.4 53.2
71 40.7 32.6 48.8

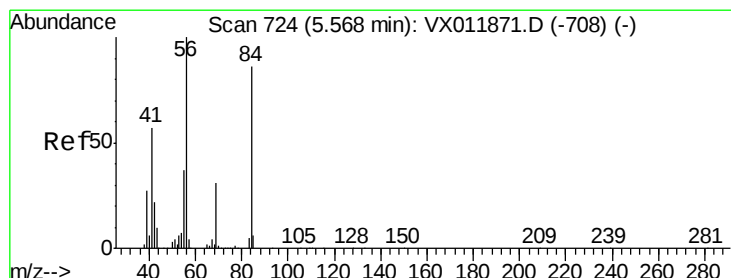
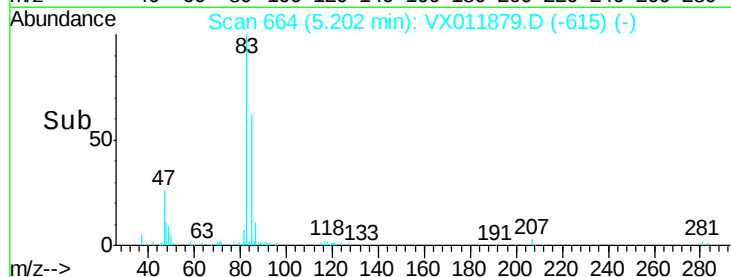
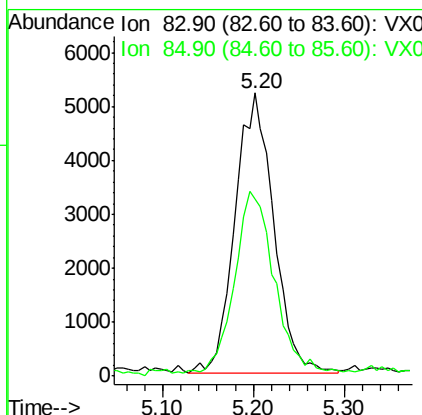
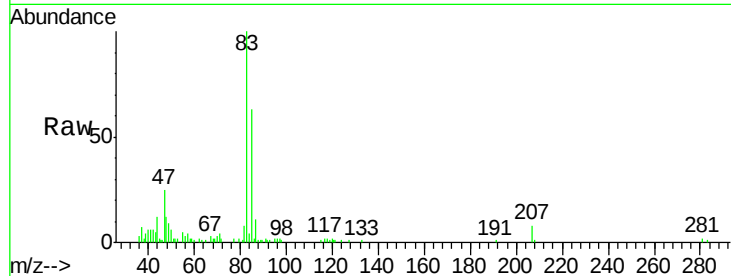




#30
Chloroform
Concen: 3.207 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

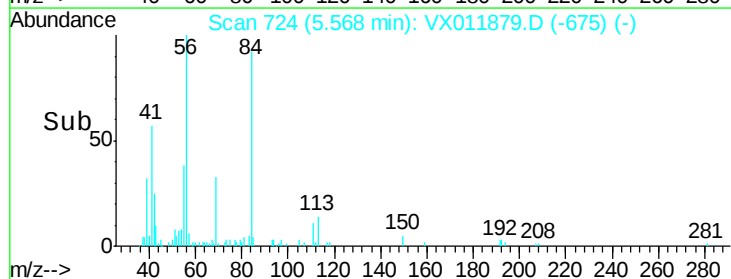
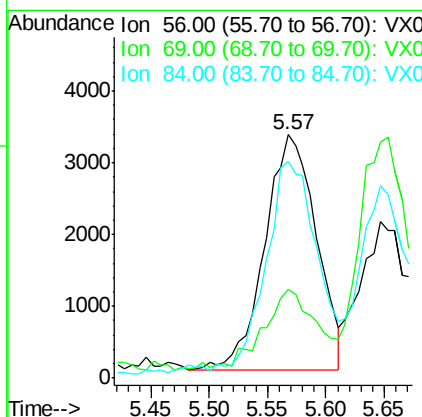
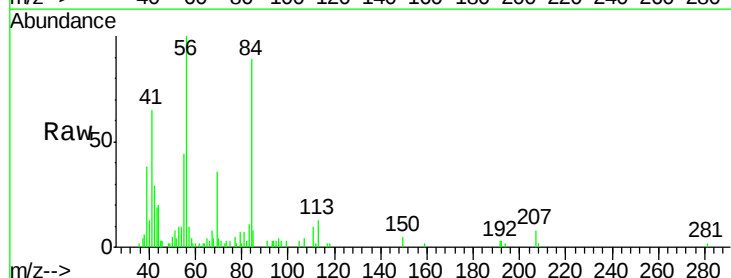
Instrument :
MSVOA_X
ClientSampleId :
MDL02

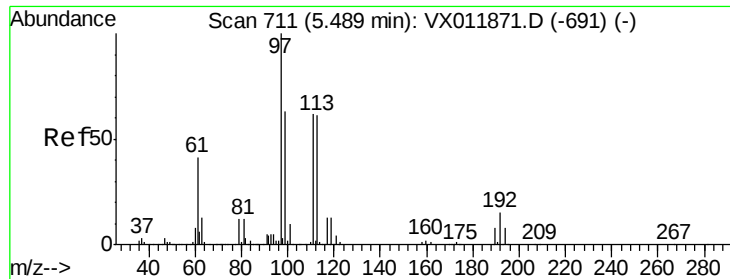
Tot Ion: 83 Resp: 15382
Ion Ratio Lower Upper
83 100
85 61.6 52.5 78.7



#31
Cyclohexane
Concen: 2.526 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 56 Resp: 10080
Ion Ratio Lower Upper
56 100
69 33.6 25.0 37.4
84 86.8 68.6 103.0





#32

1,1,1-Trichloroethane

Concen: 2.499 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

MDL02

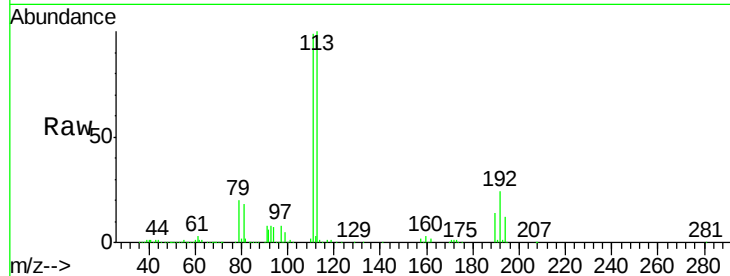
Tot Ion: 97 Resp: 10777

Ion Ratio Lower Upper

97 100

99 66.4 51.1 76.7

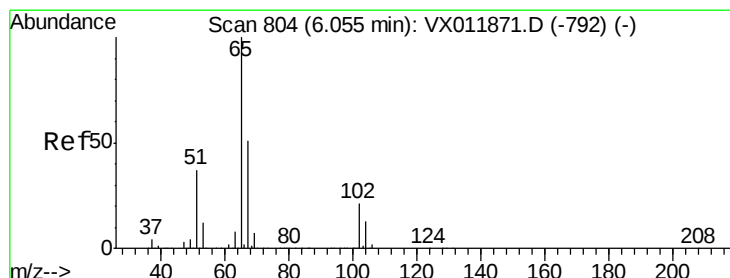
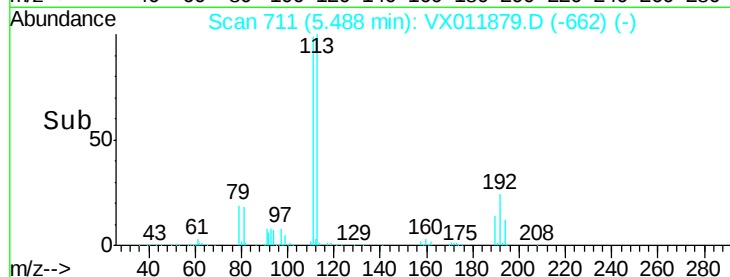
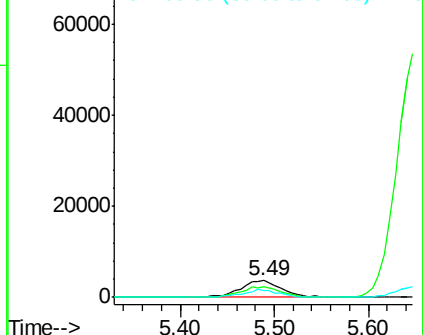
61 44.1 33.4 50.2



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: 54.407 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011879.D

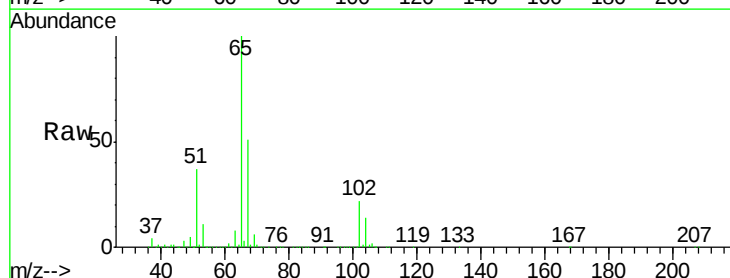
Acq: 28 Aug 2019 20:13

Tgt Ion: 65 Resp: 149280

Ion Ratio Lower Upper

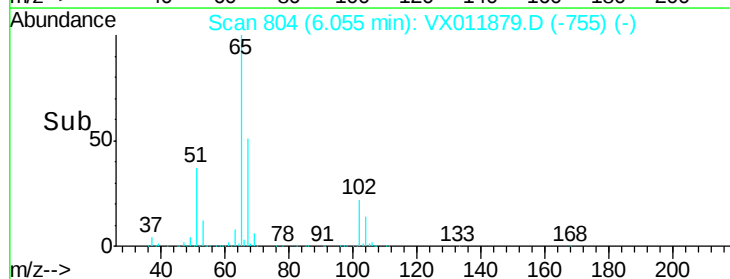
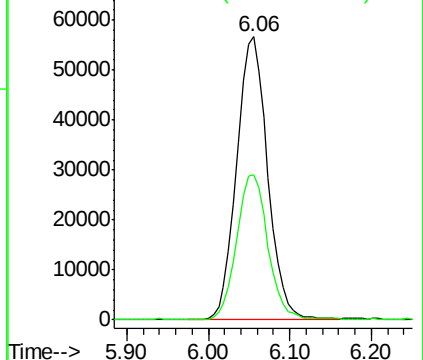
65 100

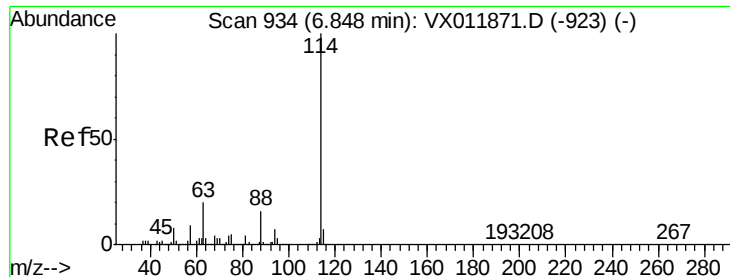
67 51.4 0.0 103.0



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: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

MDL02

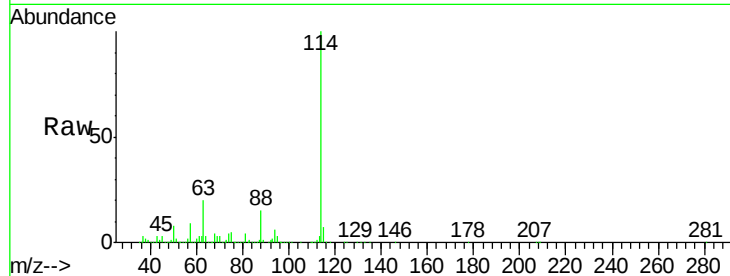
Tot Ion:114 Resp: 460637

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

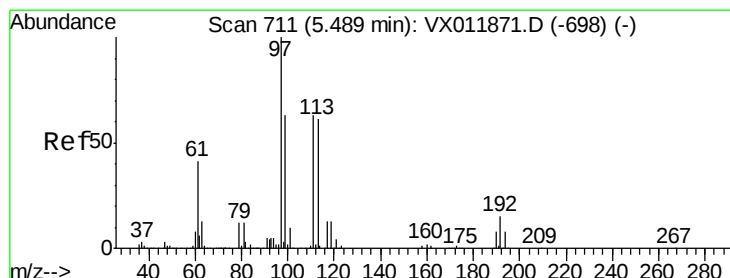
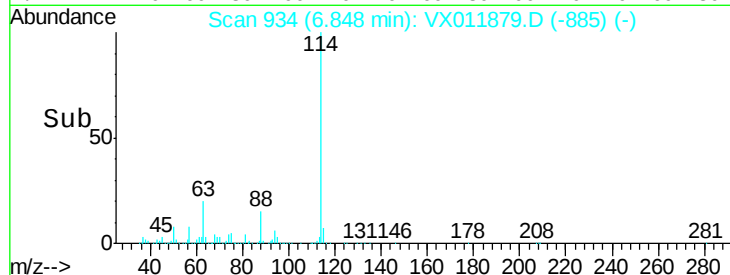
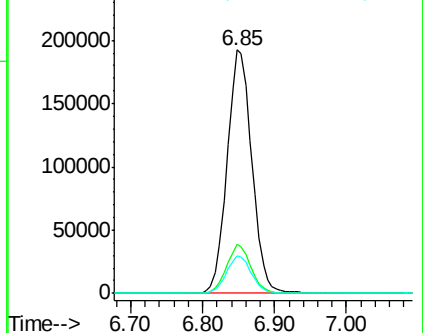
88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.976 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

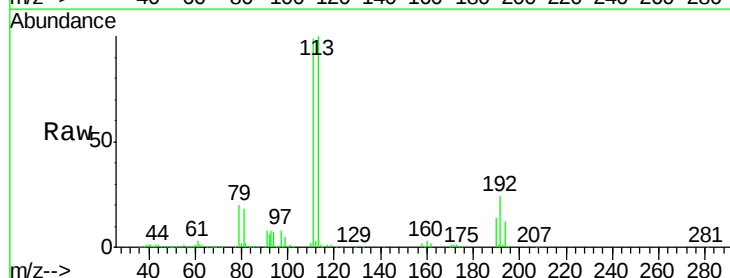
Tgt Ion:113 Resp: 131501

Ion Ratio Lower Upper

113 100

111 101.3 80.9 121.3

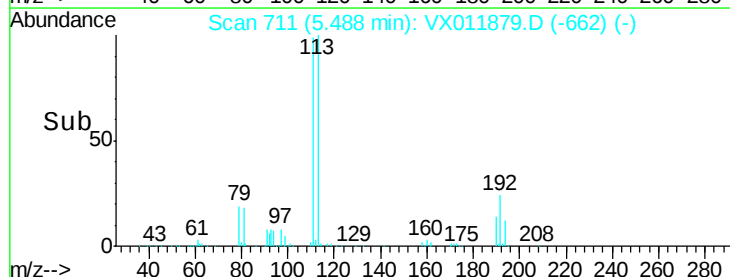
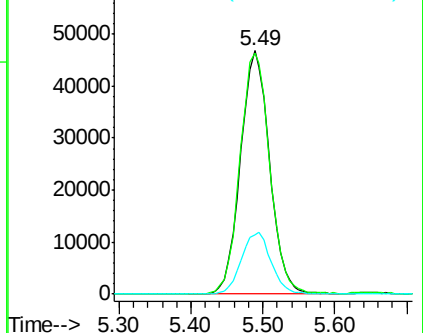
192 26.0 20.6 30.8

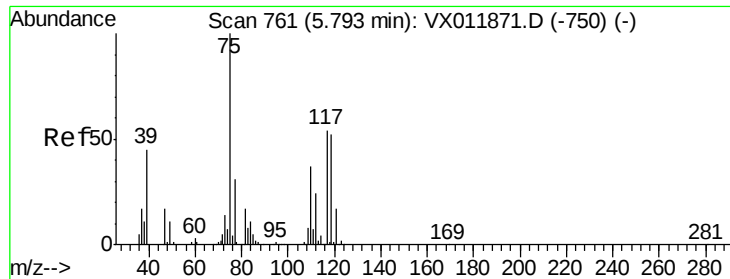


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 2.444 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

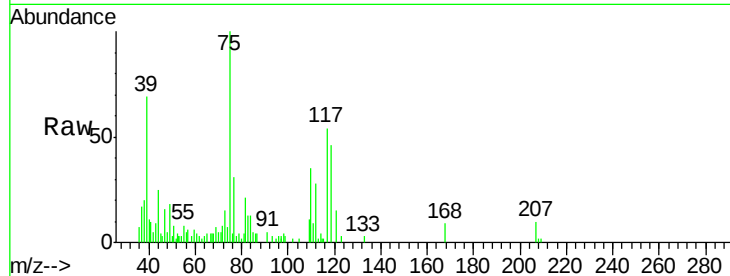
Tot Ion: 75 Resp: 9259

Ion Ratio Lower Upper

75 100

110 37.6 18.5 55.5

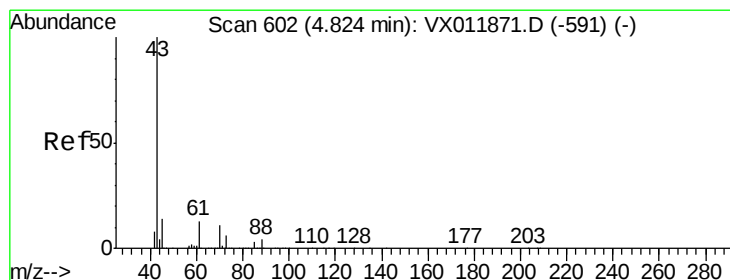
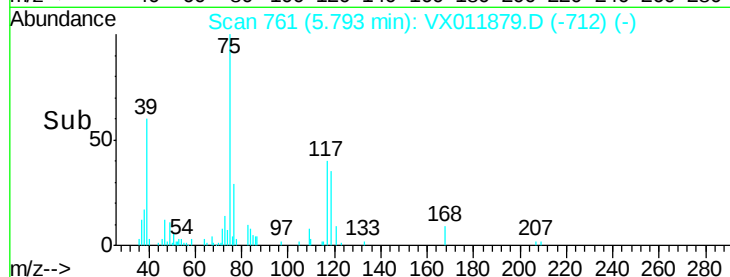
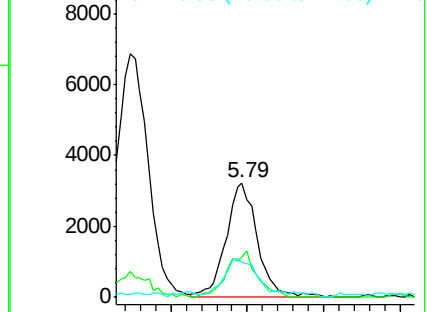
77 32.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 2.465 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

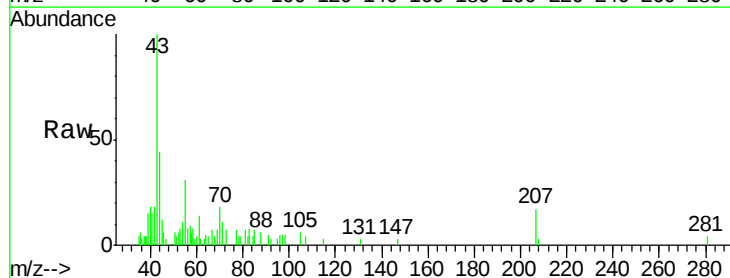
Tgt Ion: 43 Resp: 3928

Ion Ratio Lower Upper

43 100

61 16.1 10.5 15.7#

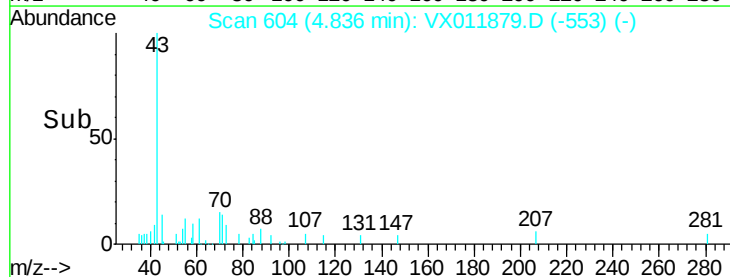
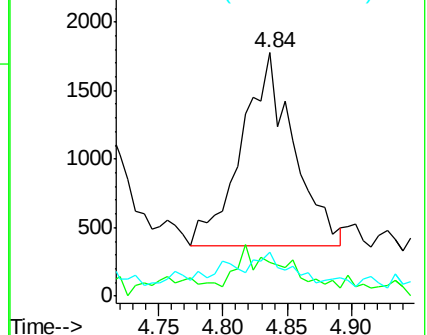
70 10.4 8.9 13.3

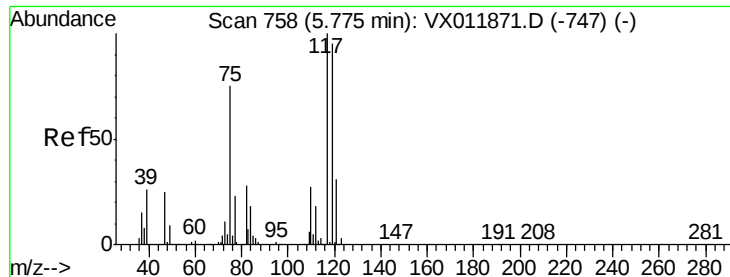


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

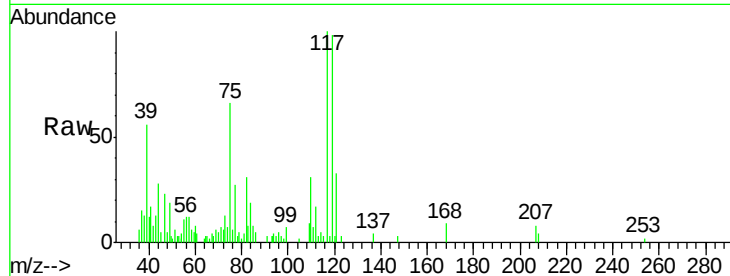




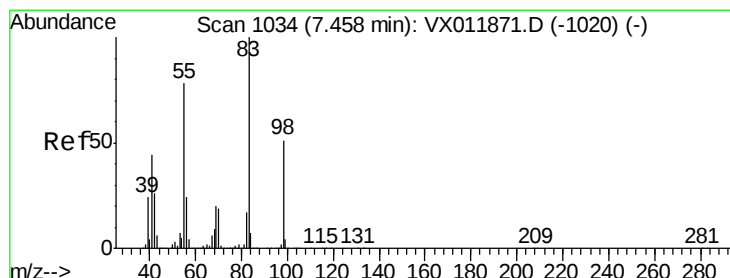
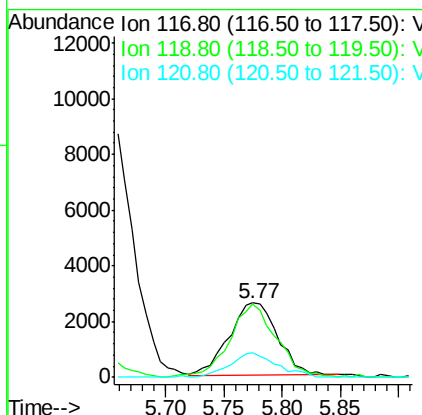
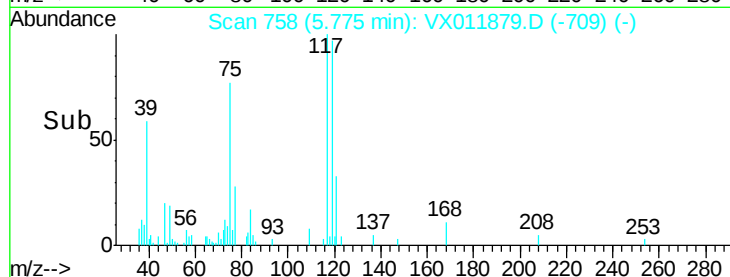
#38
Carbon Tetrachloride
Concen: 2.077 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion:117 Resp: 7670
Ion Ratio Lower Upper
117 100
119 101.2 75.7 113.5
121 33.9 25.1 37.7

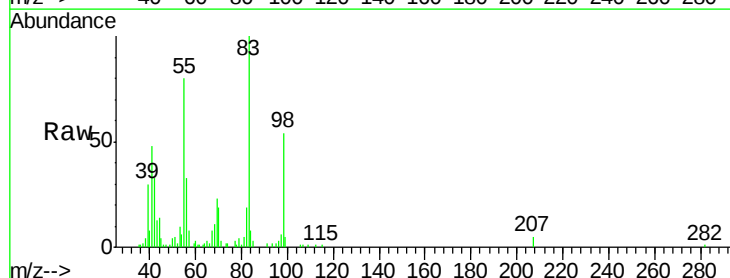


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

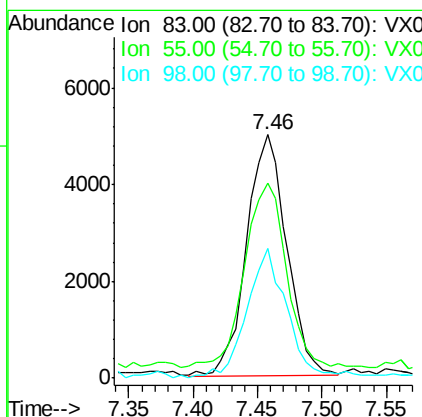
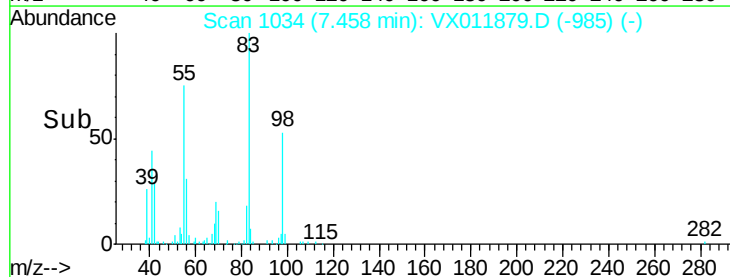


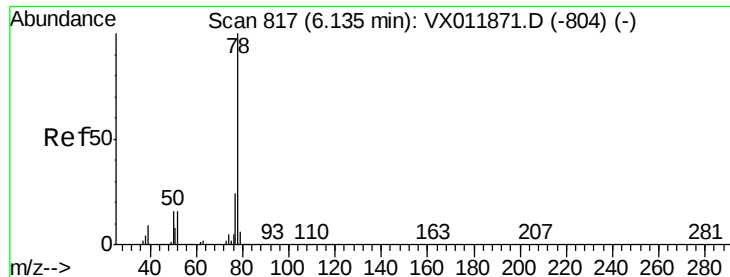
#39
Methylcyclohexane
Concen: 2.313 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 83 Resp: 10713
Ion Ratio Lower Upper
83 100
55 75.9 62.1 93.1
98 54.3 40.6 61.0



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





#40

Benzene

Concen: 2.499 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

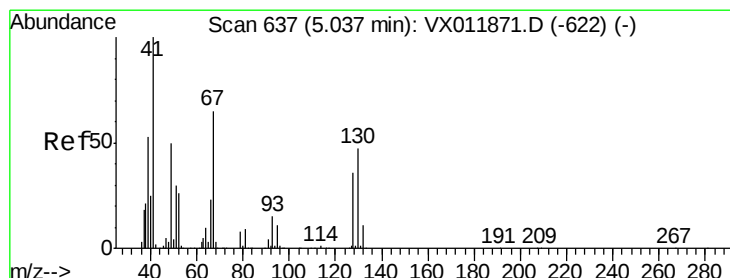
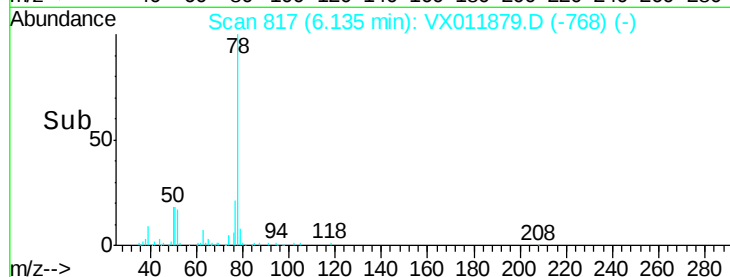
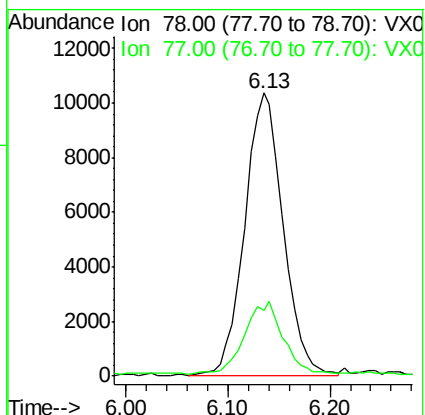
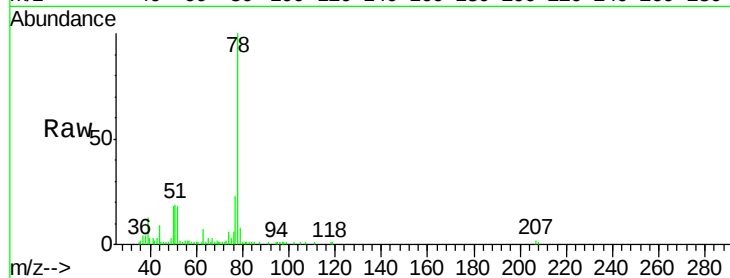
MDL02

Tot Ion: 78 Resp: 27312

Ion Ratio Lower Upper

78 100

77 22.2 19.0 28.4



#41

Methacrylonitrile

Concen: 3.264 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Tgt Ion: 41 Resp: 3528

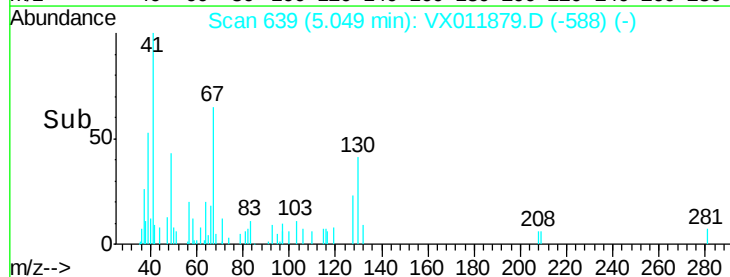
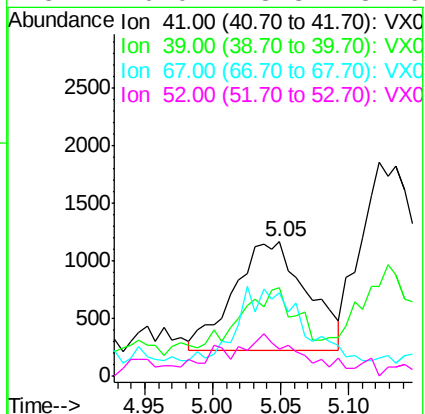
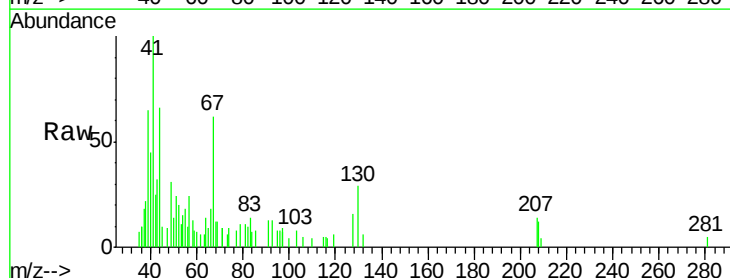
Ion Ratio Lower Upper

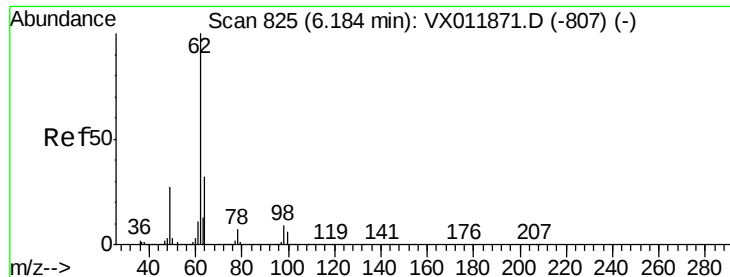
41 100

39 41.4 44.5 66.7#

67 0.0 55.0 82.4#

52 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 2.817 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

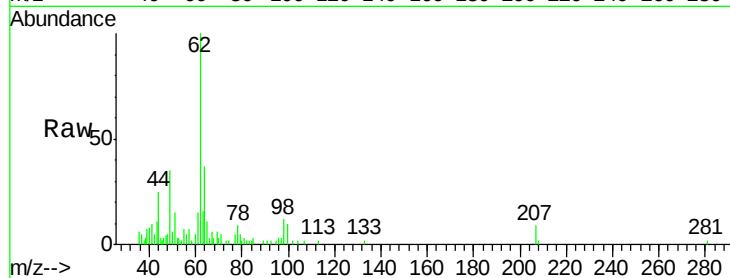
MDL02

Tot Ion: 62 Resp: 9775

Ion Ratio Lower Upper

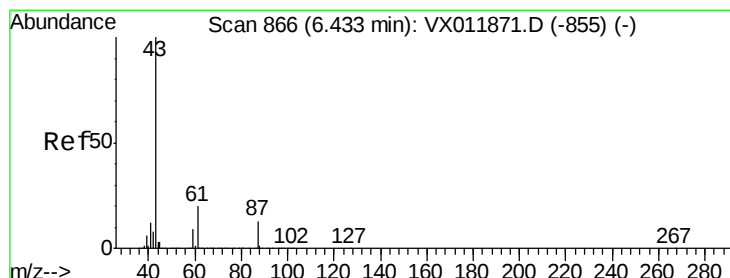
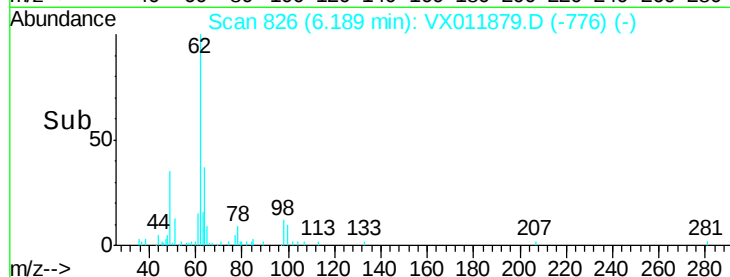
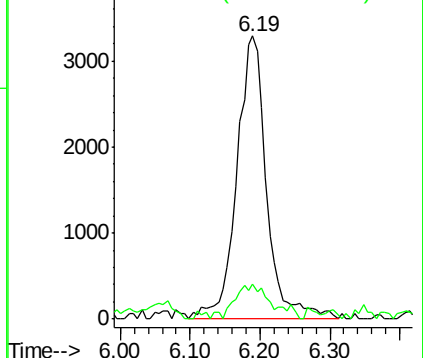
62 100

98 15.0 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: 2.671 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

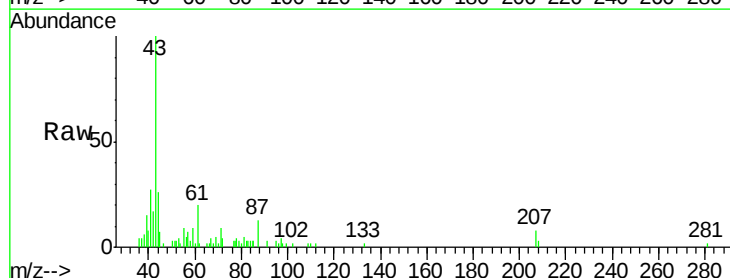
Tgt Ion: 43 Resp: 8361

Ion Ratio Lower Upper

43 100

61 22.1 15.6 23.4

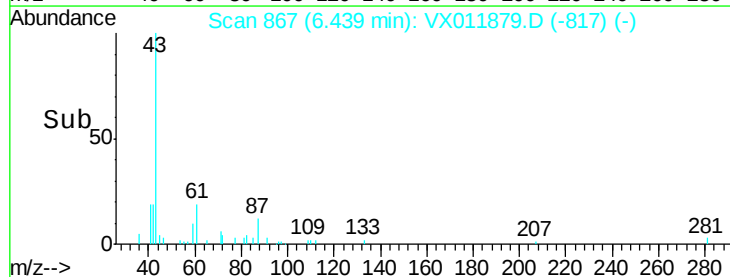
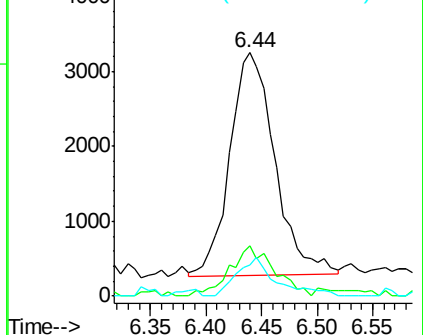
87 15.2 10.6 15.8

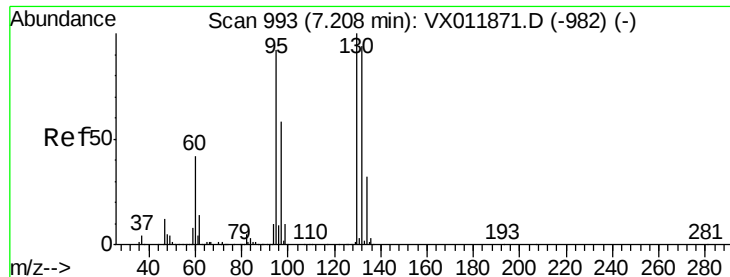


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 2.703 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

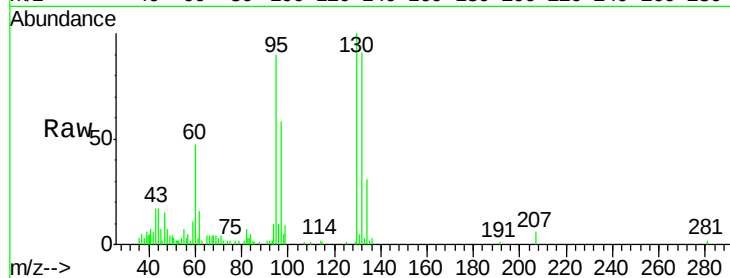
MDL02

Tot Ion:130 Resp: 9929

Ion Ratio Lower Upper

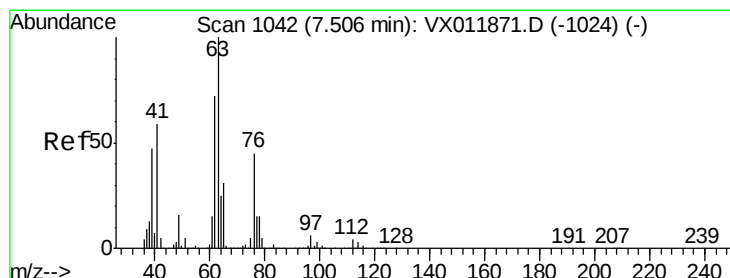
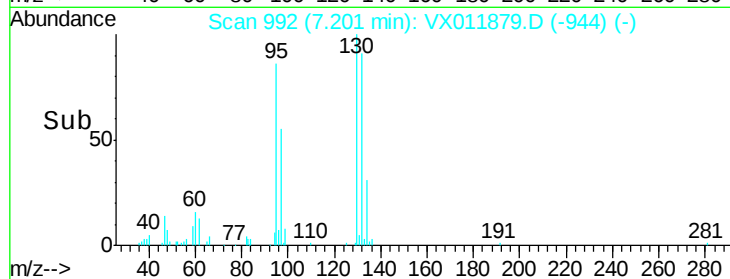
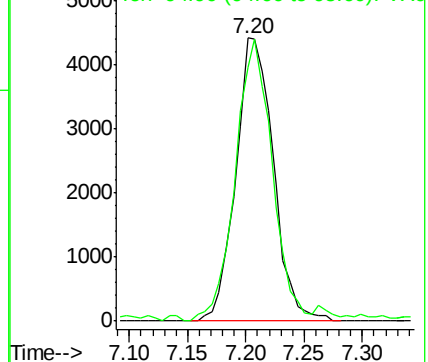
130 100

95 89.9 0.0 184.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 2.500 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX011879.D

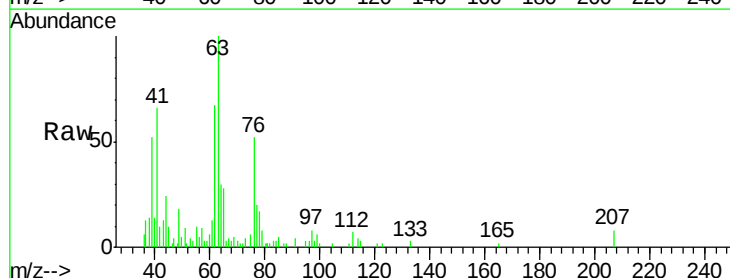
Acq: 28 Aug 2019 20:13

Tgt Ion: 63 Resp: 6798

Ion Ratio Lower Upper

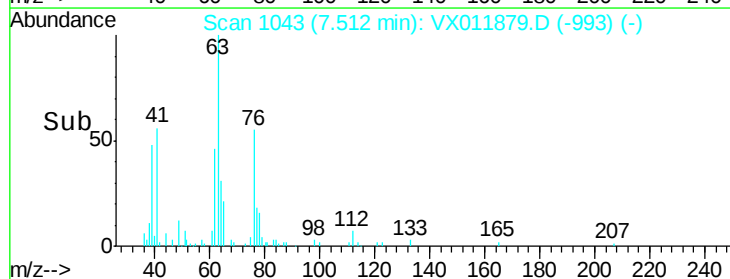
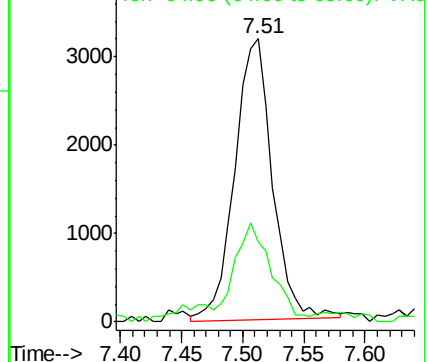
63 100

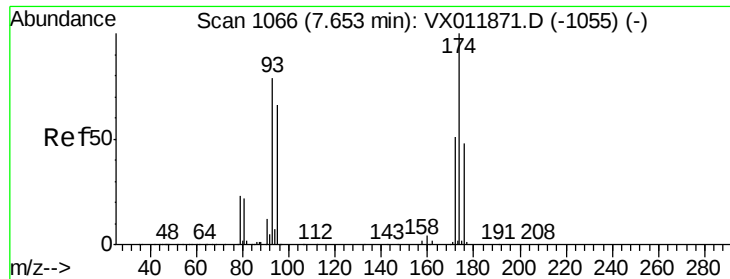
65 25.4 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 2.828 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

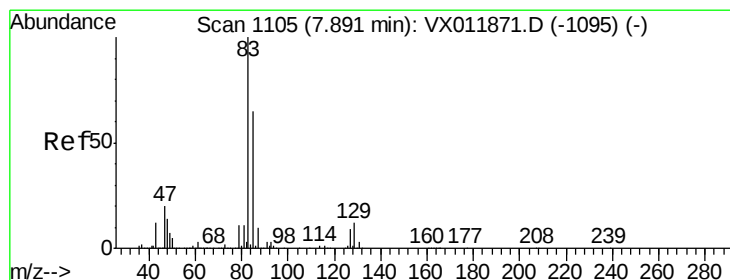
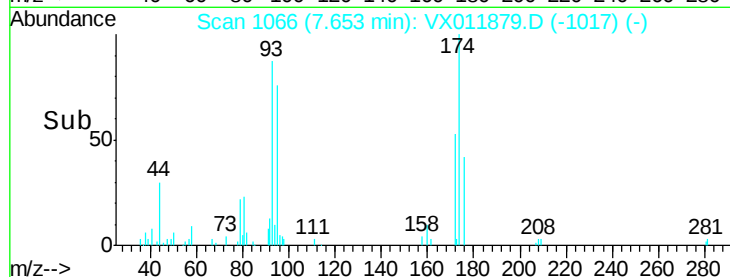
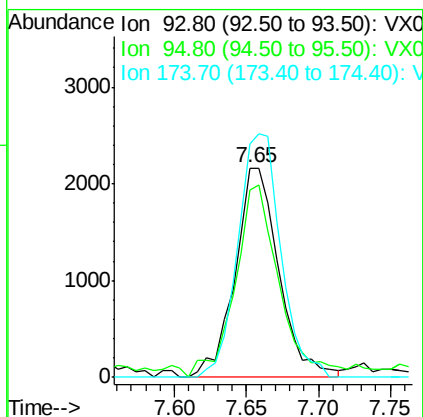
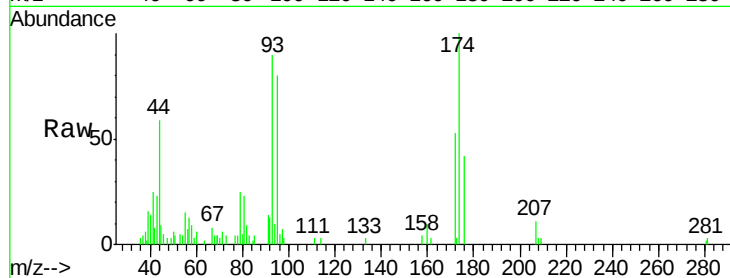
Tot Ion: 93 Resp: 4556

Ion Ratio Lower Upper

93 100

95 93.1 65.8 98.8

174 114.4 100.2 150.4



#47

Bromodichloromethane

Concen: 2.399 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

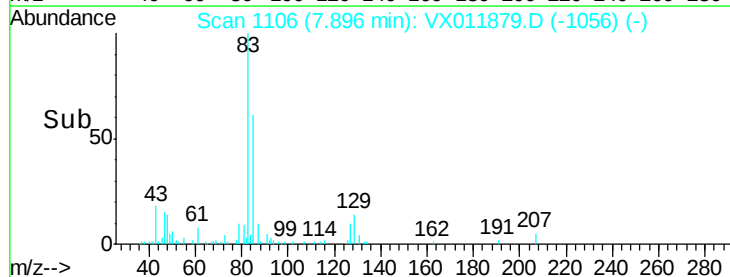
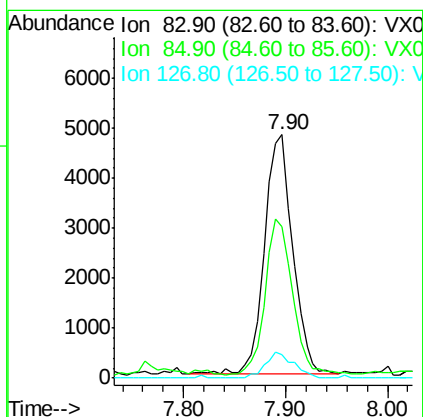
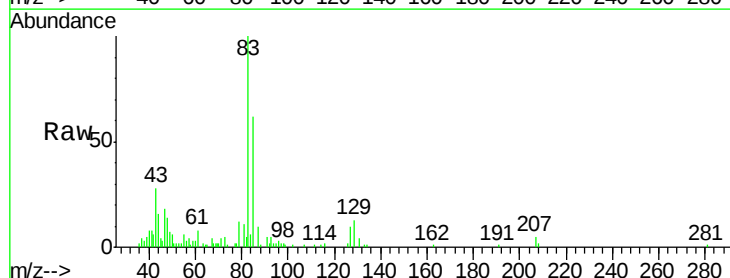
Tgt Ion: 83 Resp: 9090

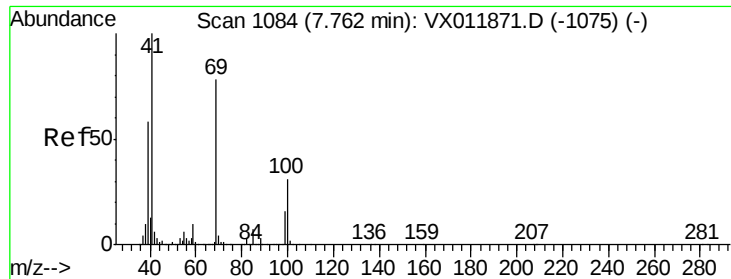
Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.8

127 9.9 7.4 11.2

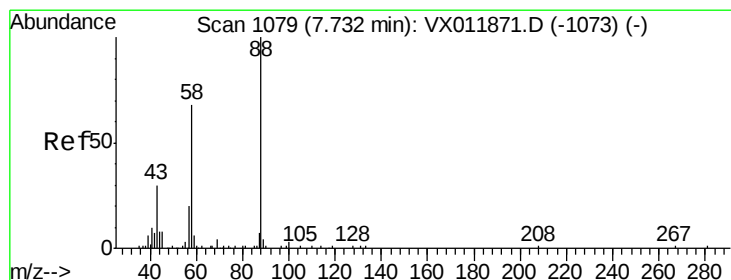
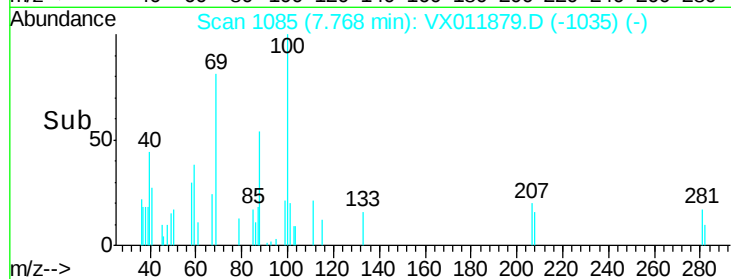
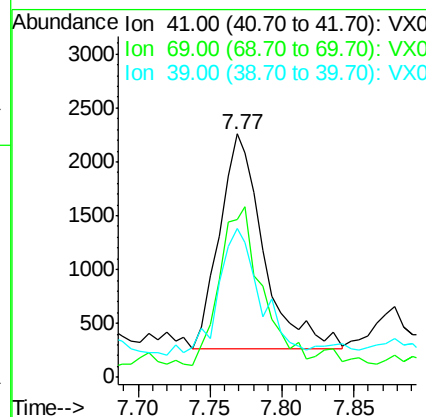
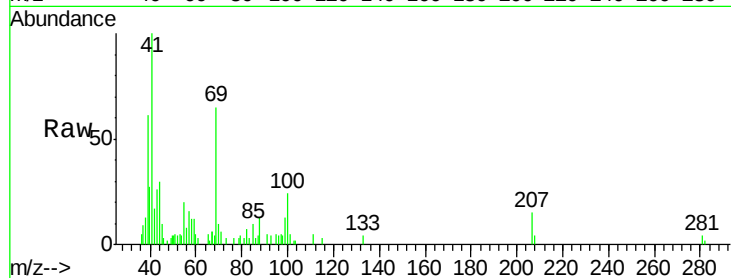




#48
Methvl methacrylate
Concen: 2.688 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

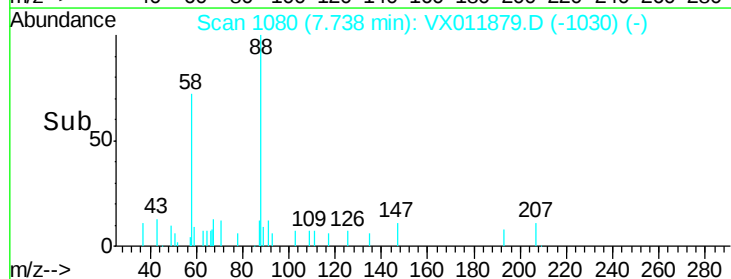
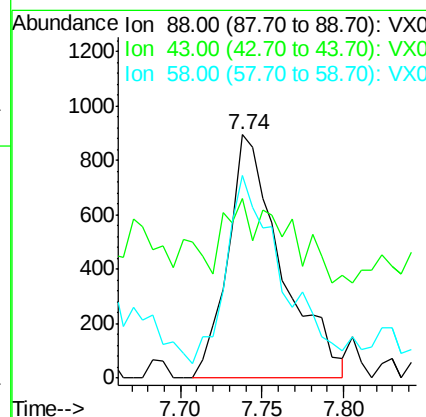
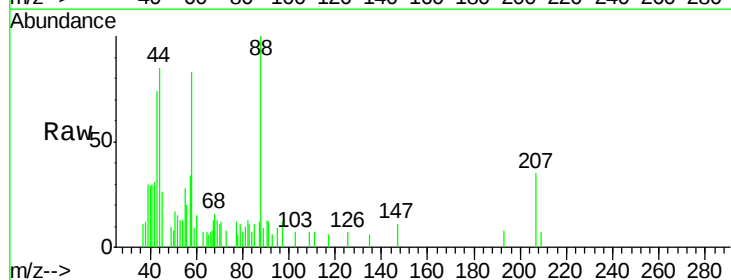
Instrument :
MSVOA_X
ClientSampled :
MDL02

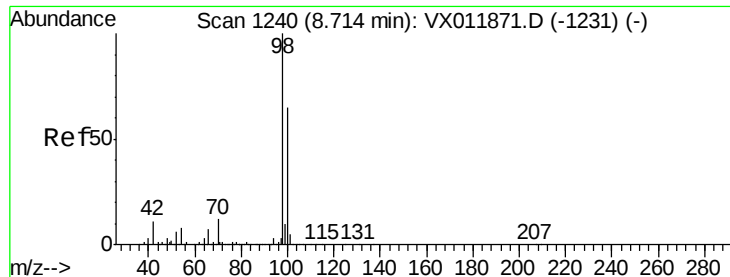
Tot Ion: 41 Resp: 4208
Ion Ratio Lower Upper
41 100
69 72.5 63.0 94.4
39 58.1 46.1 69.1



#49
1,4-Dioxane
Concen: 121.537 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 88 Resp: 2050
Ion Ratio Lower Upper
88 100
43 14.5 33.2 49.8#
58 78.1 58.2 87.4

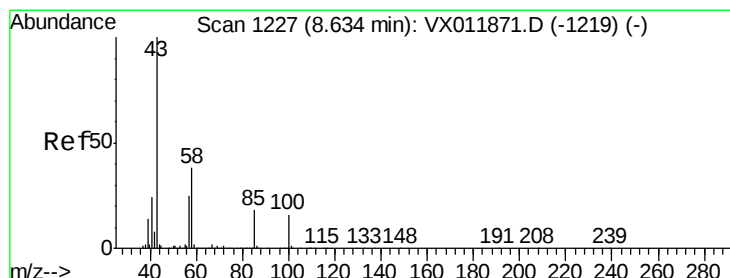
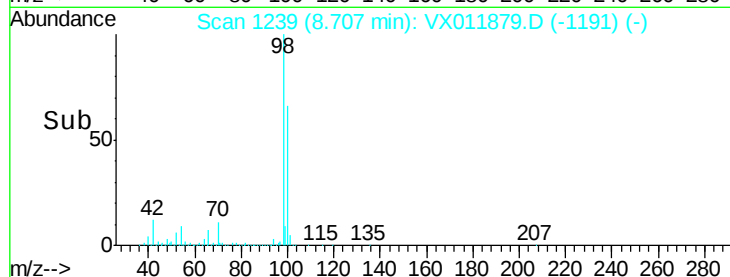
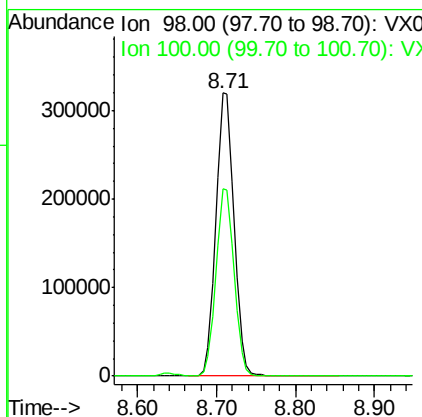
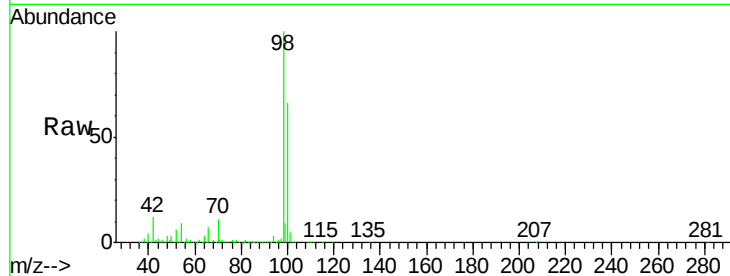




#50
Toluene-d8
Concen: 49.278 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

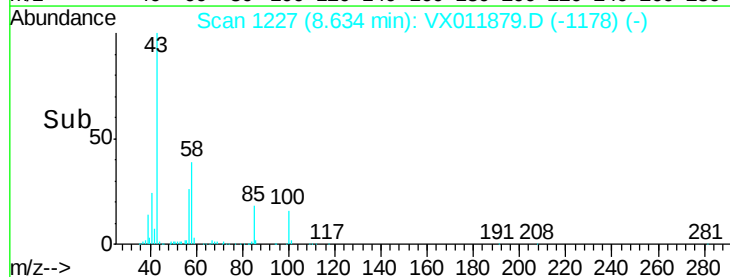
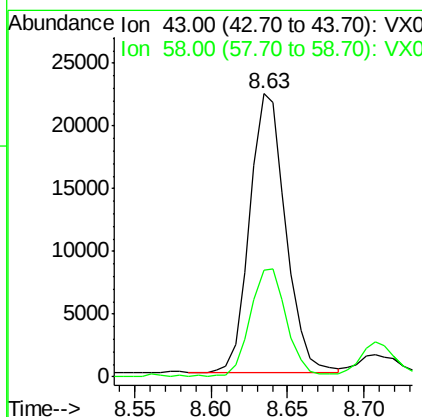
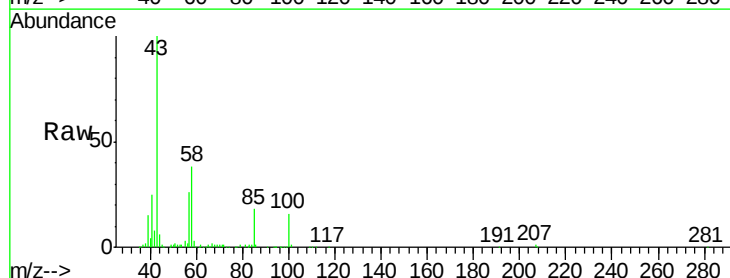
Instrument :
MSVOA_X
ClientSampleId :
MDL02

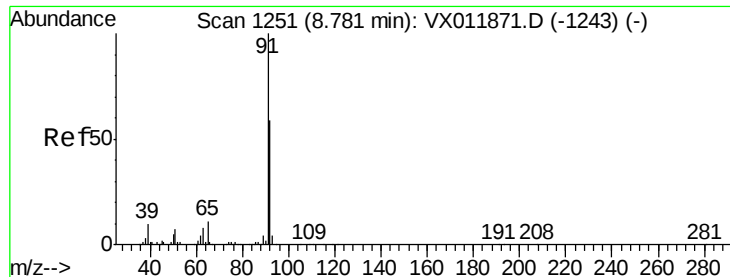
Tot Ion: 98 Resp: 513509
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 28.874 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 43 Resp: 36407
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2





#52

Toluene

Concen: 2.587 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

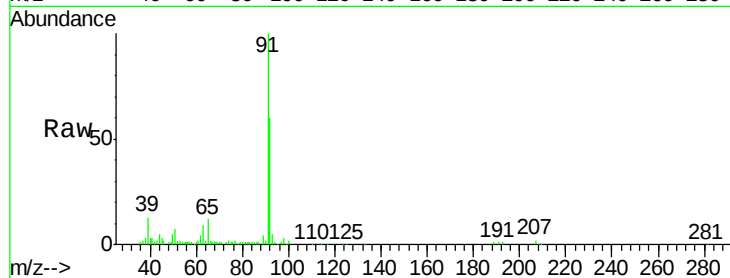
MDL02

Tot Ion: 92 Resp: 18219

Ion Ratio Lower Upper

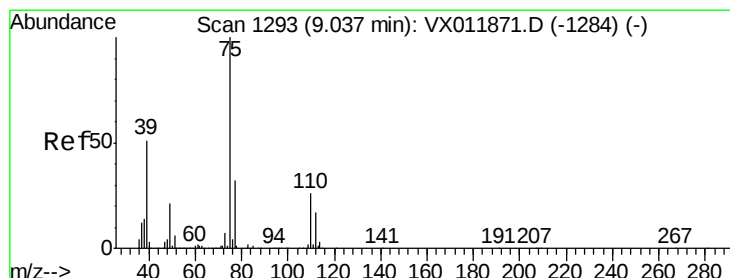
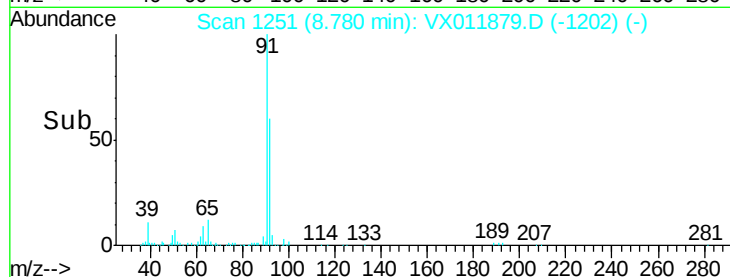
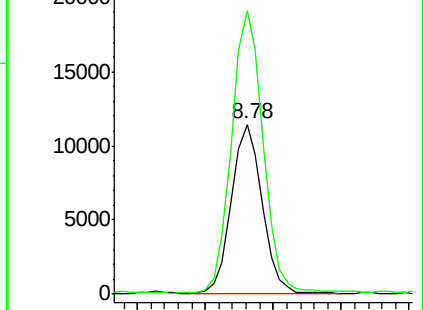
92 100

91 170.9 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011879.D

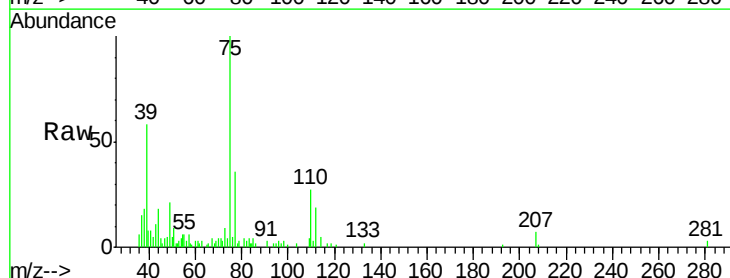
Acq: 28 Aug 2019 20:13

Tgt Ion: 75 Resp: 6446

Ion Ratio Lower Upper

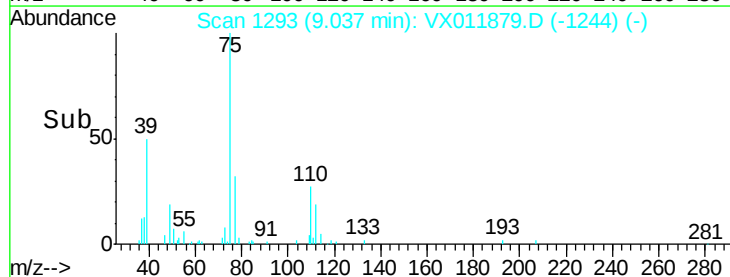
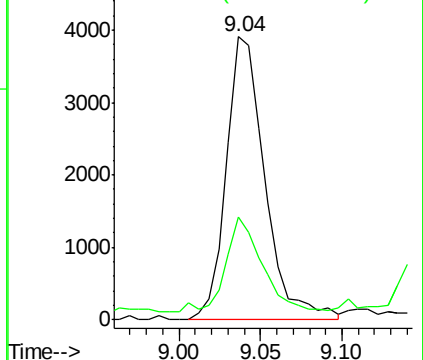
75 100

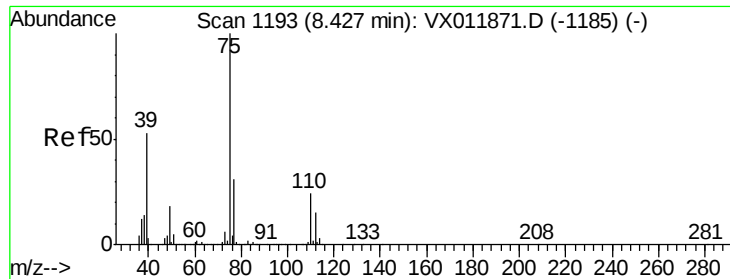
77 32.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



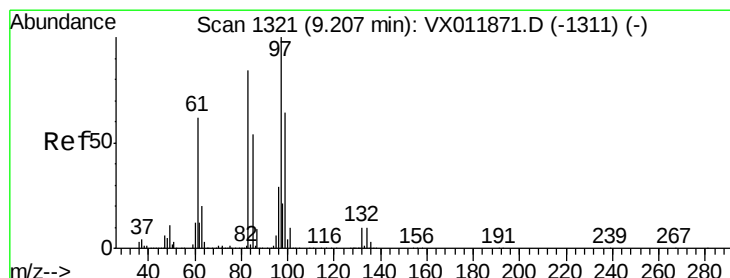
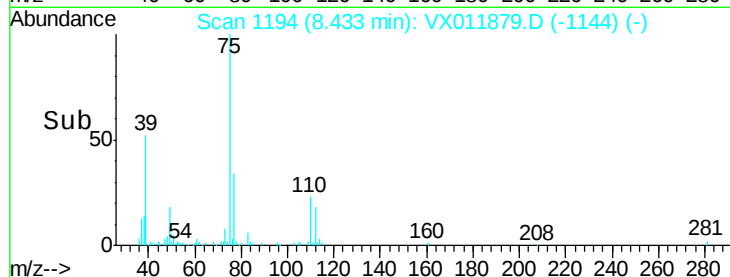
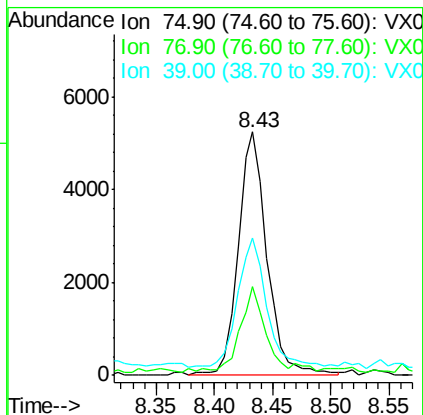
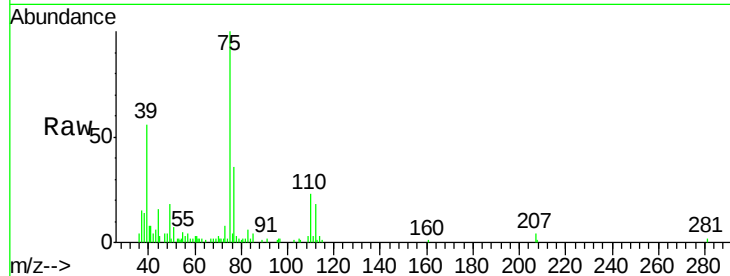


#54

cis-1,3-Dichloropropene
 Concen: 2.209 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

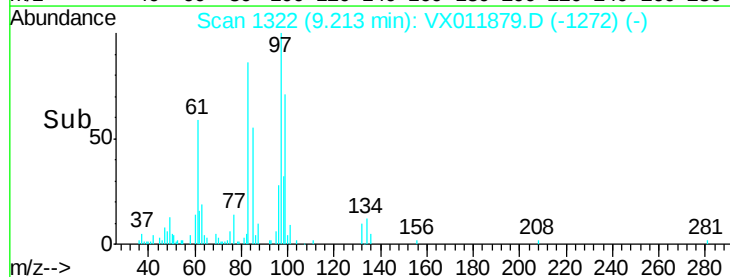
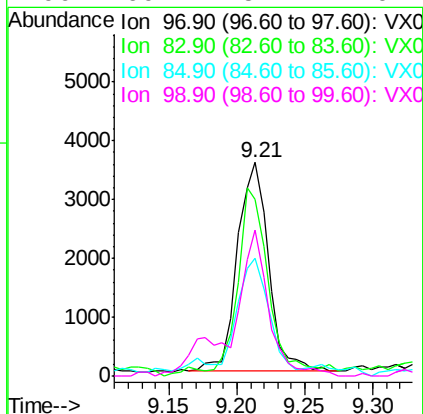
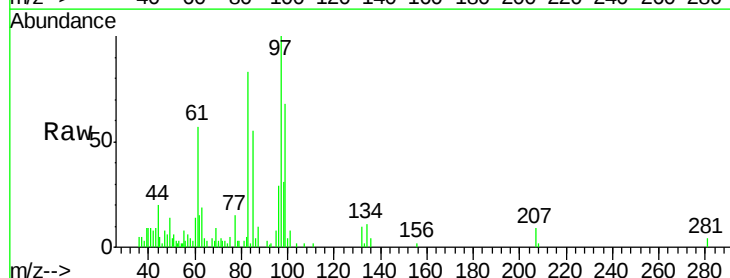
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.9	37.3
39	52.8	42.2	63.4

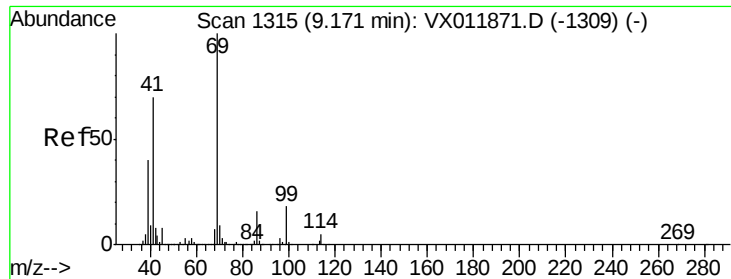


#55

1,1,2-Trichloroethane
 Concen: 2.708 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.6	101.4
85	53.5	42.9	64.3
99	69.7	51.1	76.7





#56

Ethyl methacrylate

Concen: 2.509 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

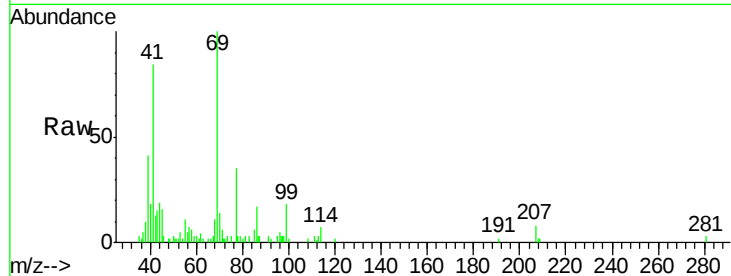
Tot Ion: 69 Resp: 5137

Ion Ratio Lower Upper

69 100

41 74.2 55.9 83.9

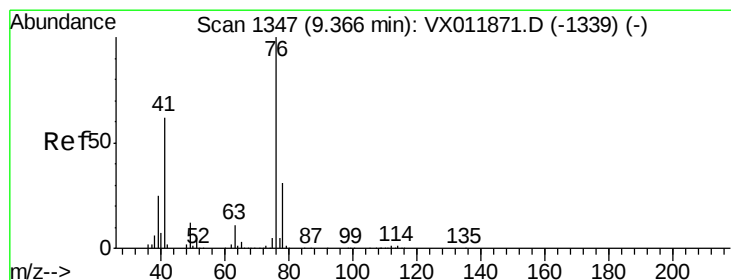
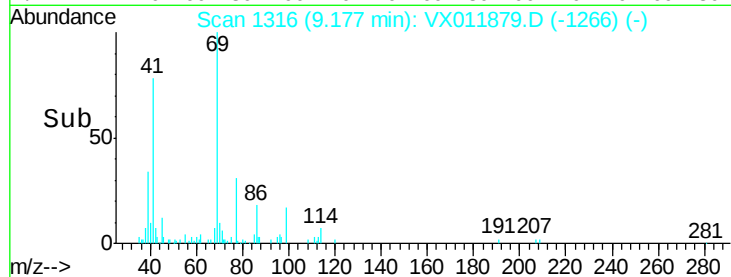
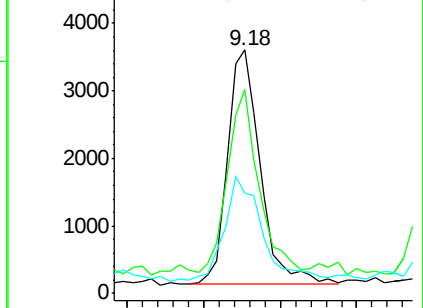
39 53.4 31.9 47.9#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 2.576 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011879.D

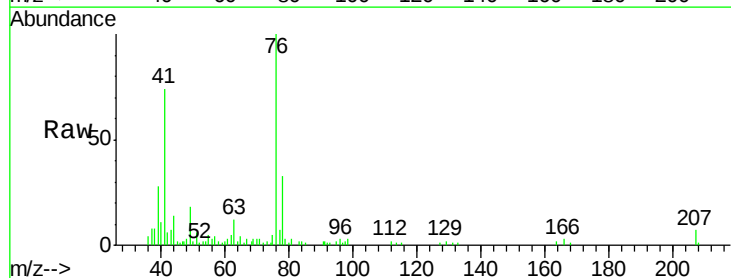
Acq: 28 Aug 2019 20:13

Tgt Ion: 76 Resp: 8989

Ion Ratio Lower Upper

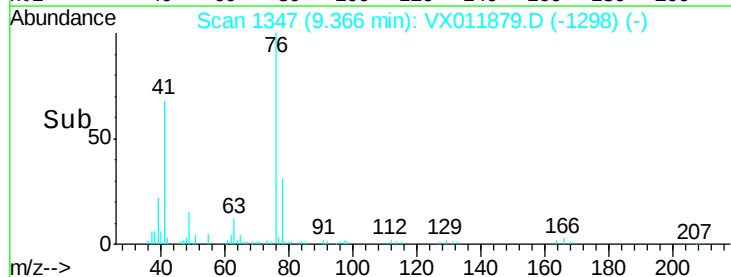
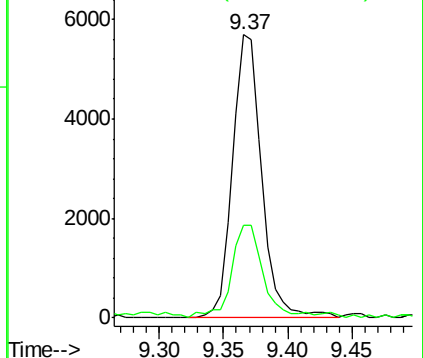
76 100

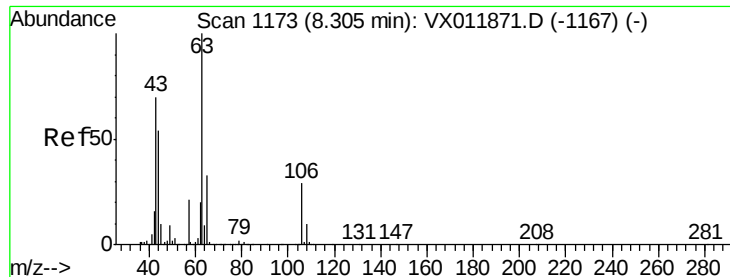
78 35.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 11.374 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

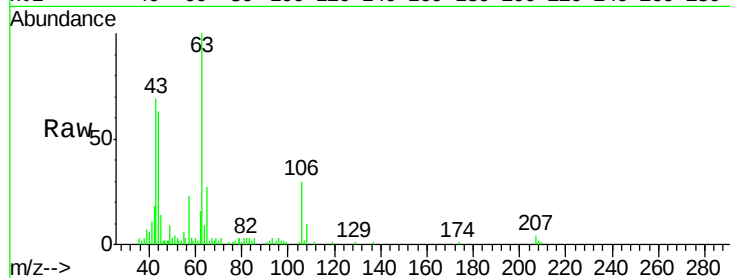
MDL02

Tot Ion: 63 Resp: 6939

Ion Ratio Lower Upper

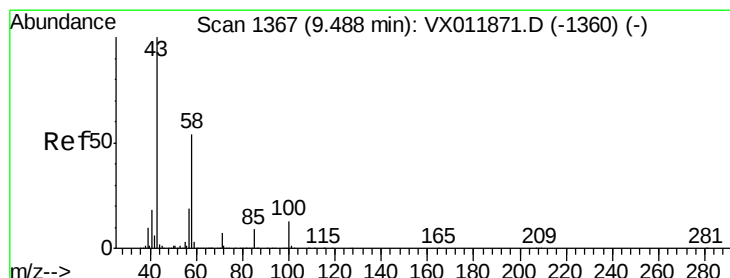
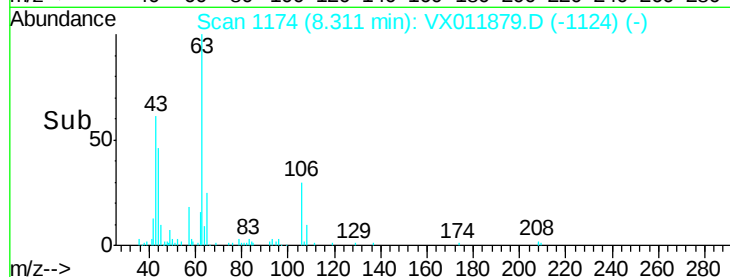
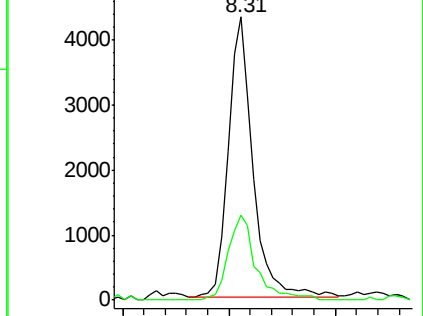
63 100

106 34.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 34.564 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX011879.D

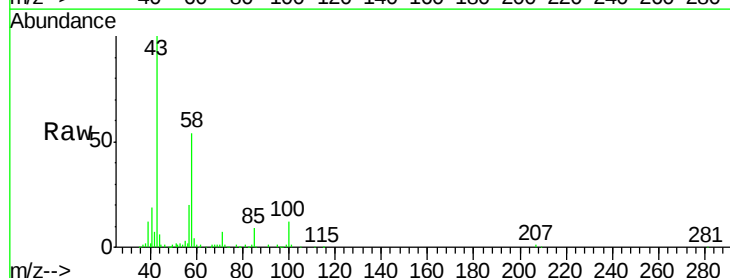
Acq: 28 Aug 2019 20:13

Tgt Ion: 43 Resp: 27851

Ion Ratio Lower Upper

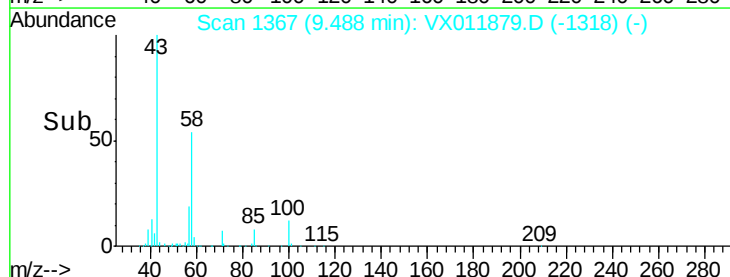
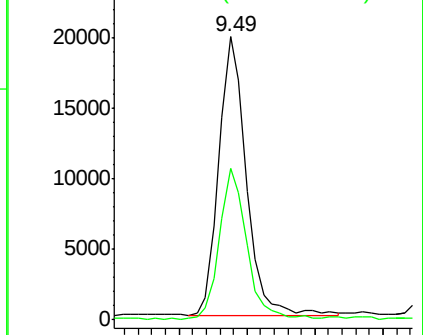
43 100

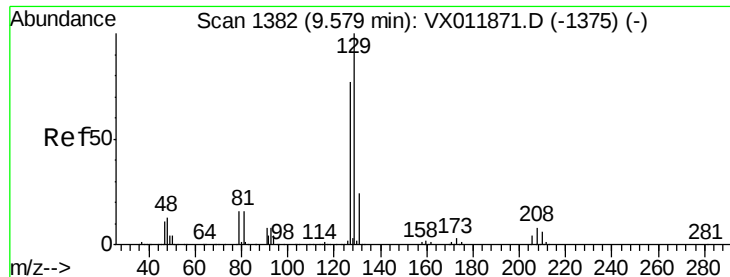
58 52.9 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.409 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

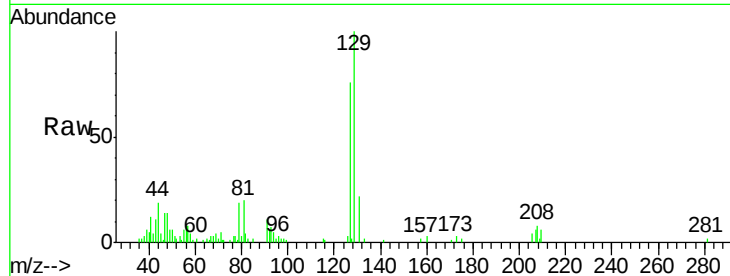
MDL02

Tot Ion:129 Resp: 6730

Ion Ratio Lower Upper

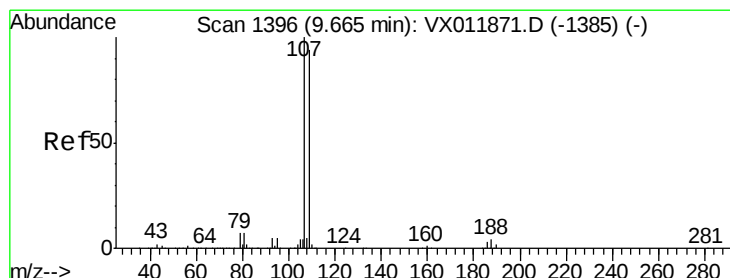
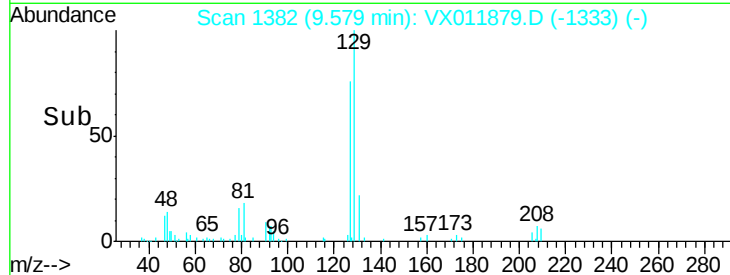
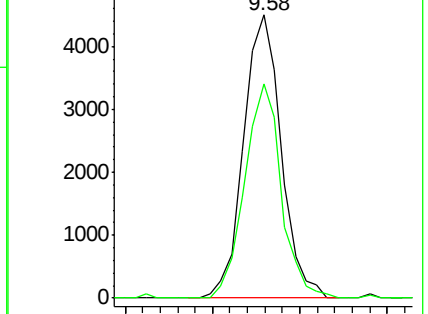
129 100

127 73.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.605 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011879.D

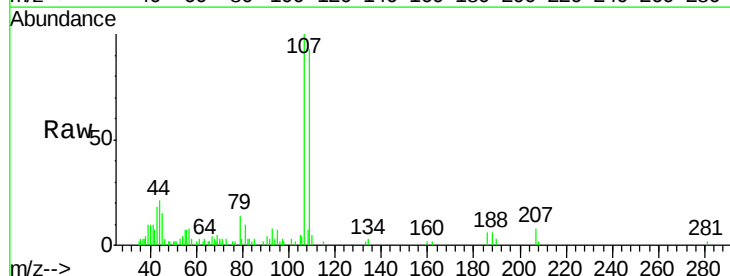
Acq: 28 Aug 2019 20:13

Tgt Ion:107 Resp: 5355

Ion Ratio Lower Upper

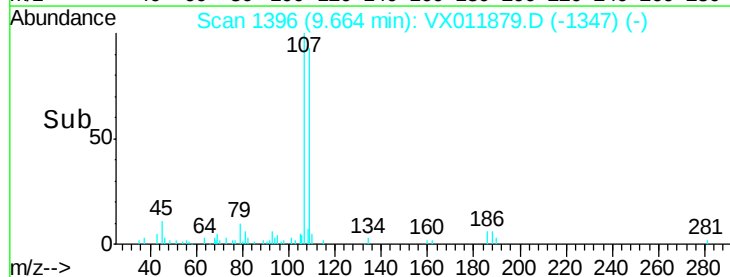
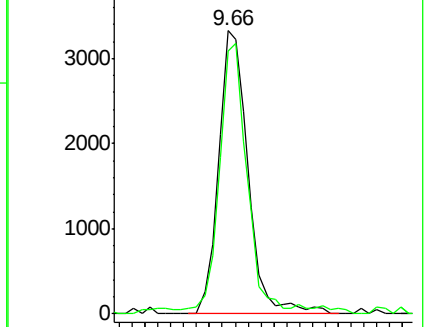
107 100

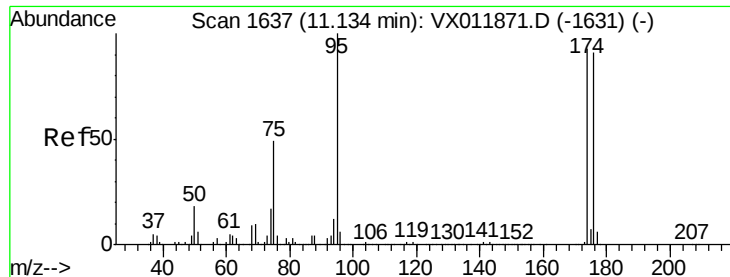
109 86.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

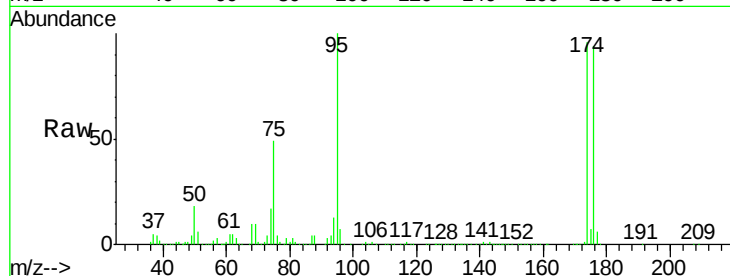
Tot Ion: 95 Resp: 199864

Ion Ratio Lower Upper

95 100

174 95.4 0.0 189.2

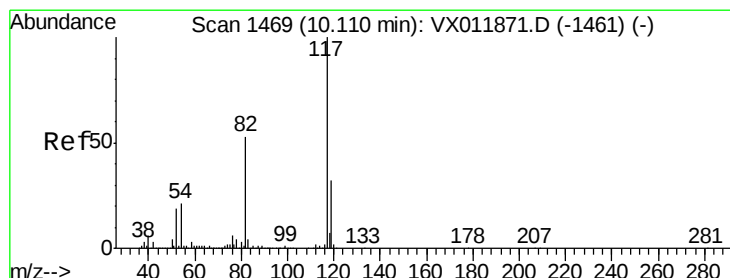
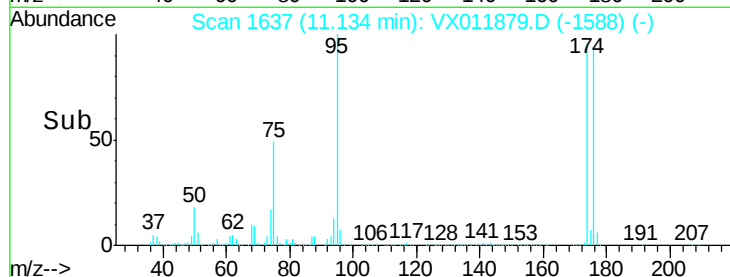
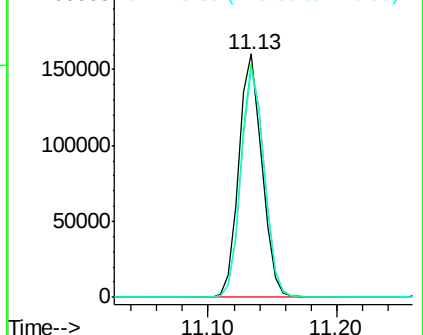
176 93.1 0.0 185.6



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: VX011879.D

Acq: 28 Aug 2019 20:13

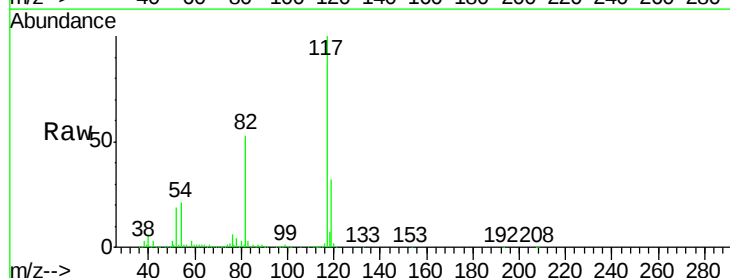
Tgt Ion: 117 Resp: 424925

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

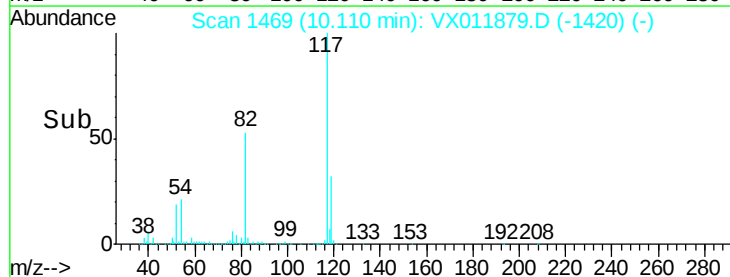
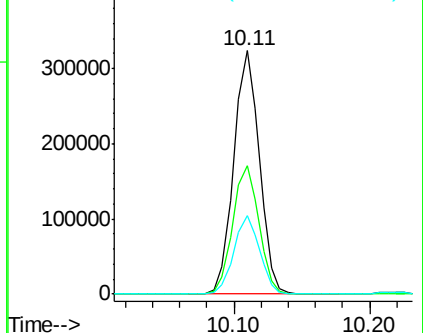
119 32.1 25.5 38.3

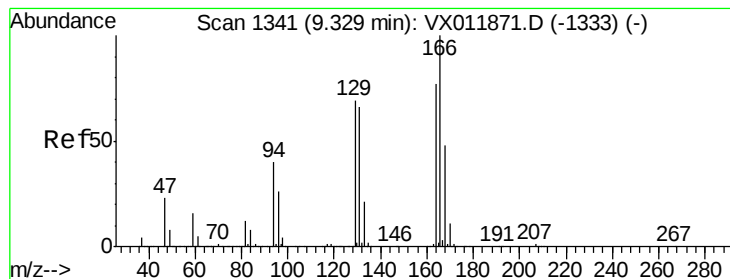


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.621 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:164 Resp: 10836

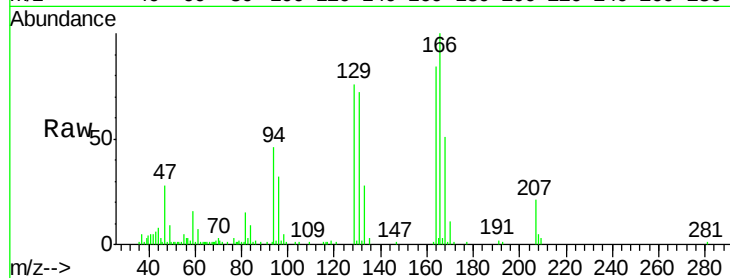
Ion Ratio Lower Upper

164 100

166 118.4 103.6 155.4

129 89.8 71.4 107.2

131 84.8 68.0 102.0

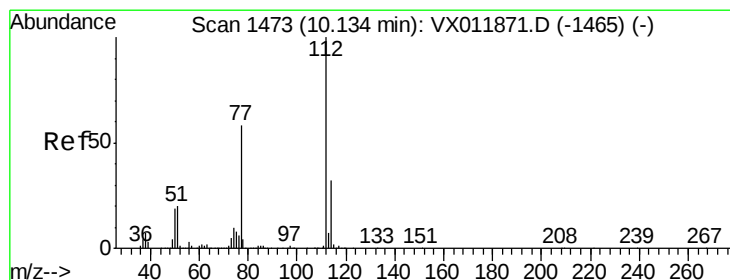
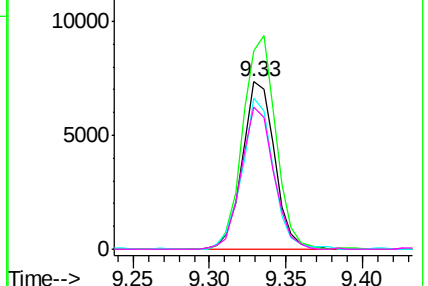
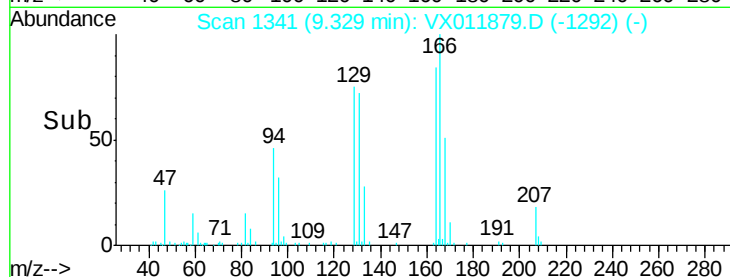


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.689 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011879.D

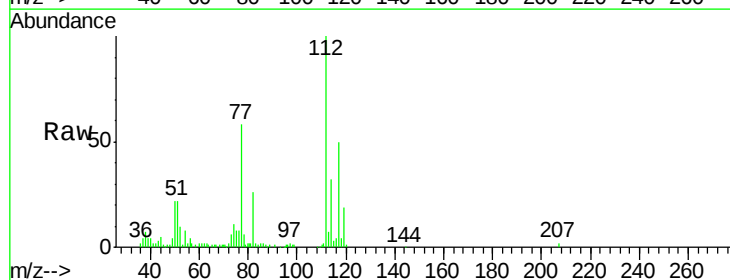
Acq: 28 Aug 2019 20:13

Tgt Ion:112 Resp: 21159

Ion Ratio Lower Upper

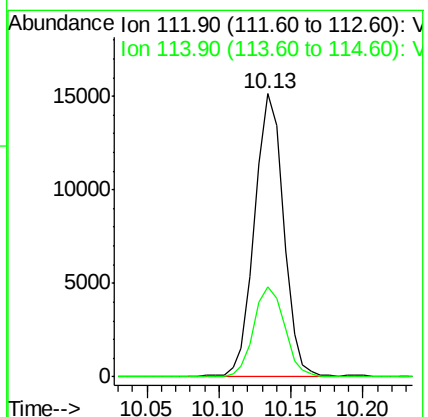
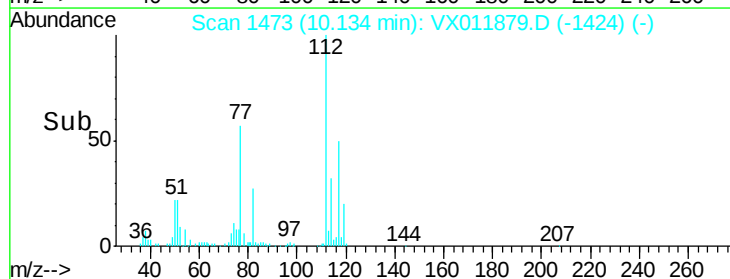
112 100

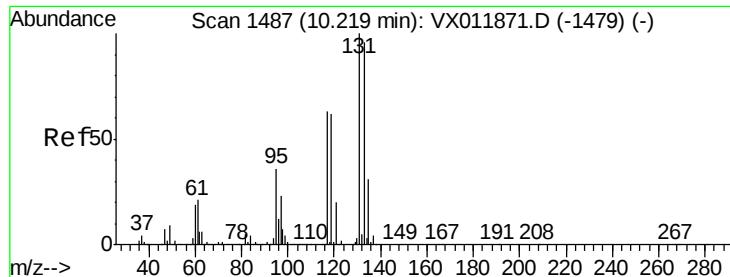
114 31.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 2.242 ug/l

RT: 10.21 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

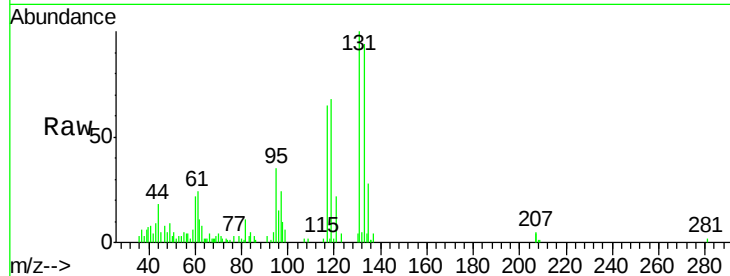
Tot Ion:131 Resp: 6472

Ion Ratio Lower Upper

131 100

133 97.1 47.8 143.3

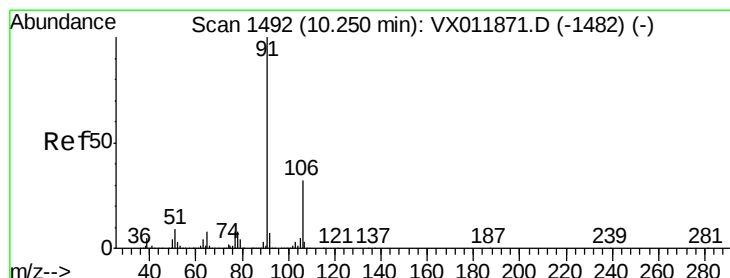
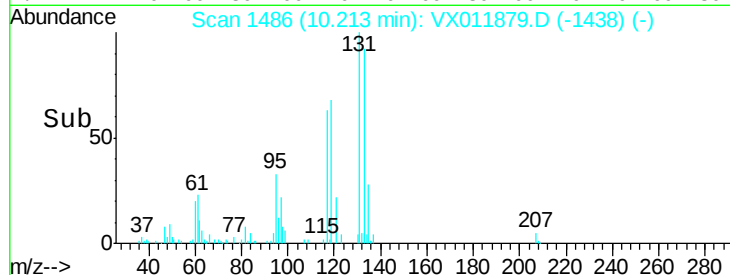
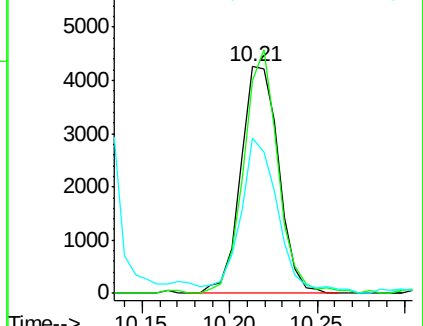
119 67.7 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 2.716 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011879.D

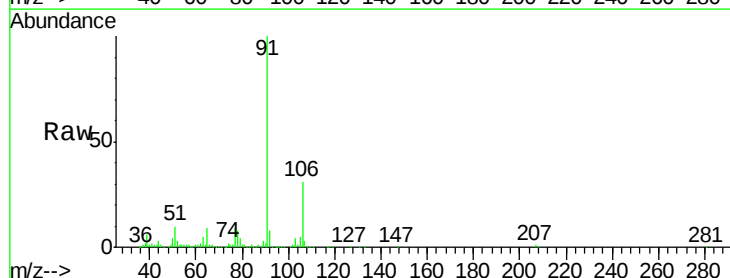
Acq: 28 Aug 2019 20:13

Tgt Ion: 91 Resp: 36712

Ion Ratio Lower Upper

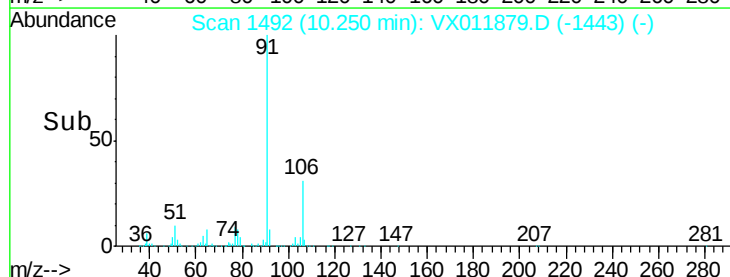
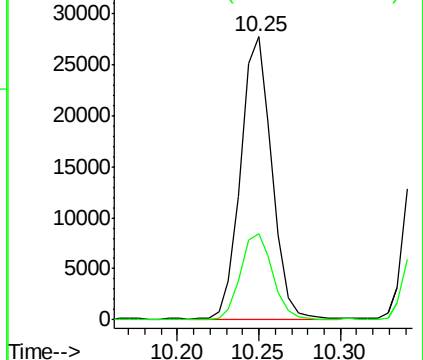
91 100

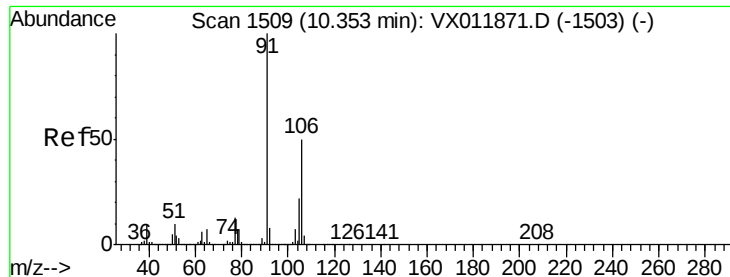
106 30.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

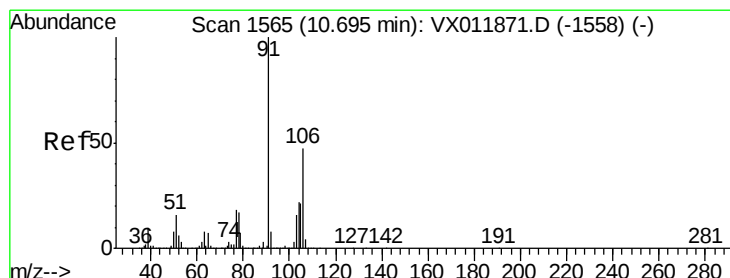
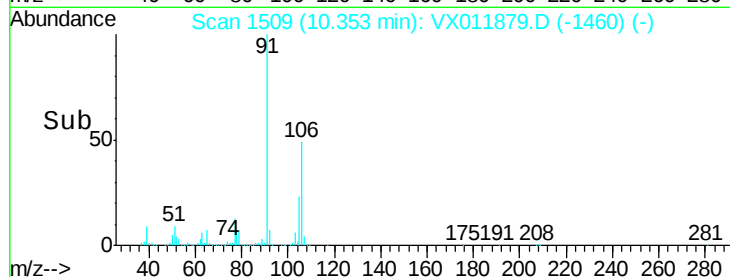
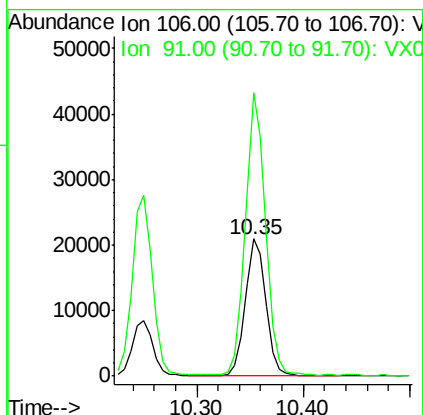
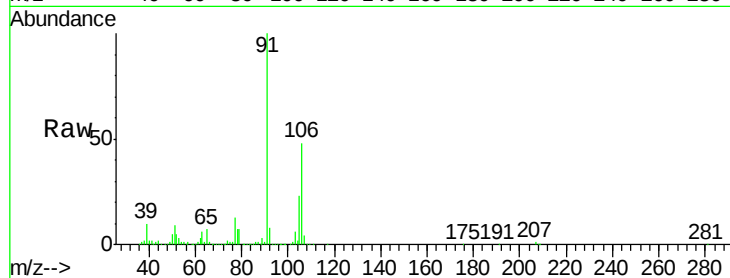




#68
m/p-Xylenes
Concen: 5.536 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

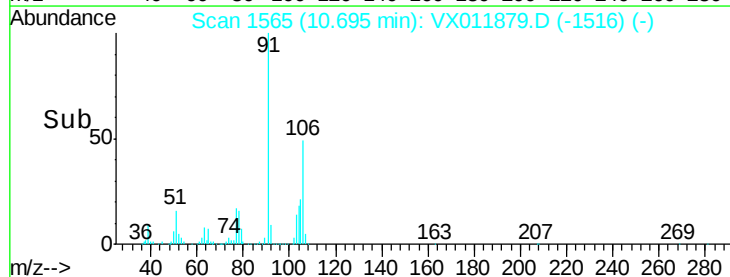
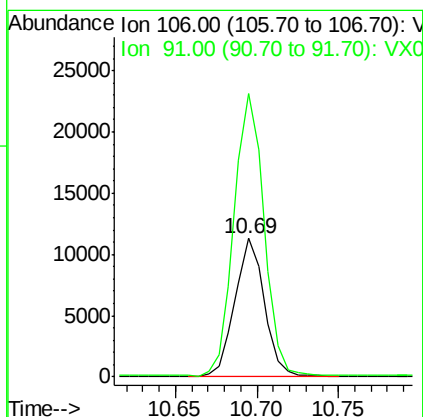
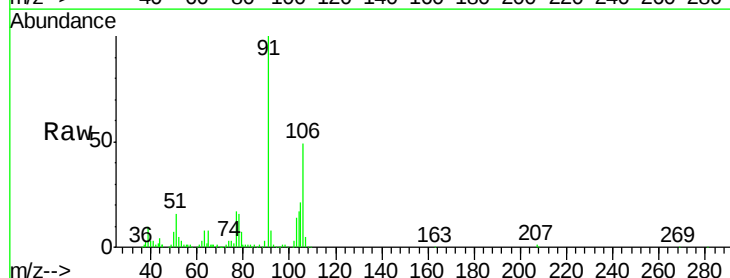
Instrument :
MSVOA_X
ClientSampleId :
MDL02

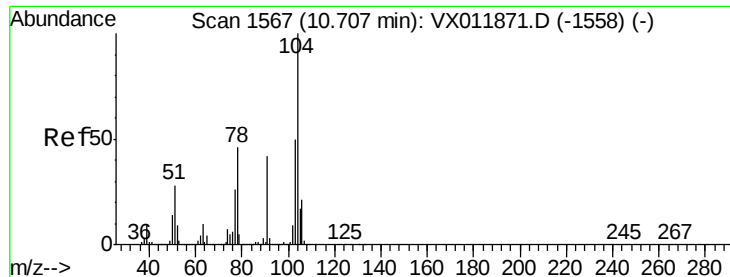
Tot Ion:106 Resp: 28487
Ion Ratio Lower Upper
106 100
91 200.6 158.9 238.3



#69
o-Xylene
Concen: 2.955 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion:106 Resp: 14306
Ion Ratio Lower Upper
106 100
91 205.3 105.6 316.8





#70

Stvrene

Concen: 2.677 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

MDL02

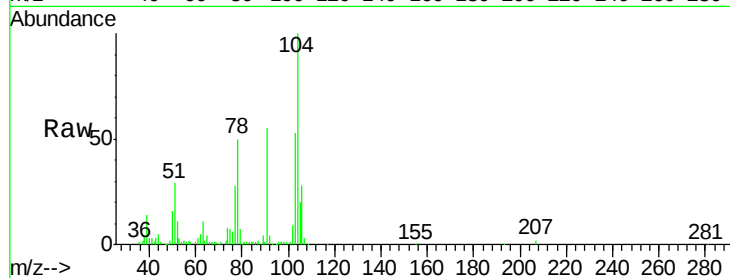
Tot Ion:104 Resp: 21433

Ion Ratio Lower Upper

104 100

78 53.6 40.4 60.6

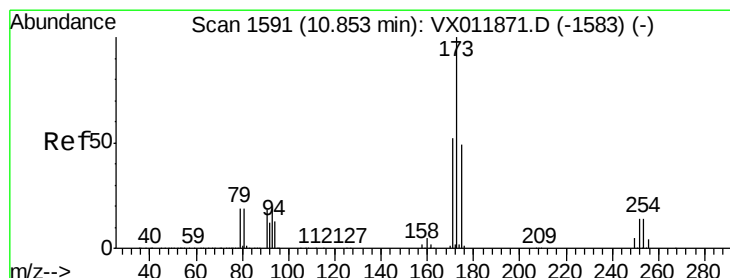
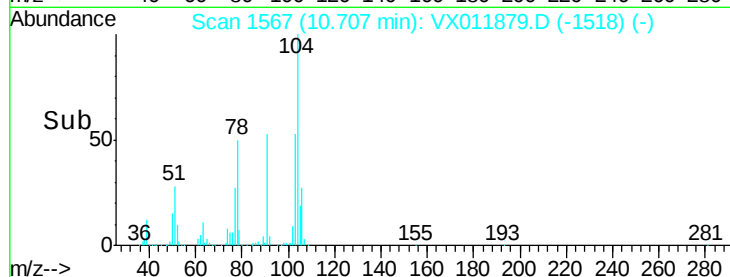
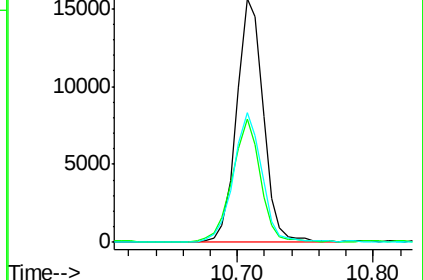
103 57.0 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.344 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

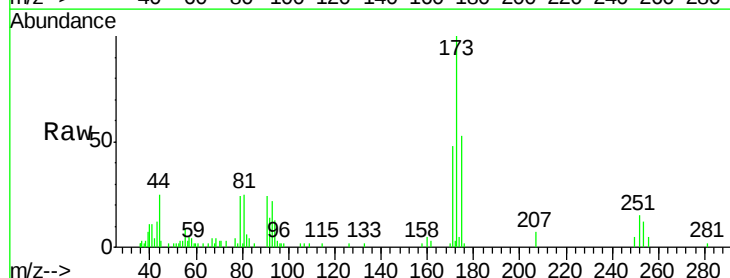
Tgt Ion:173 Resp: 4384

Ion Ratio Lower Upper

173 100

175 50.8 23.8 71.2

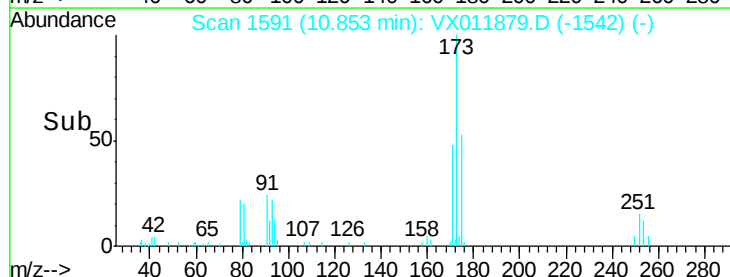
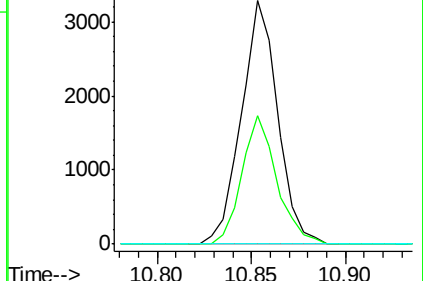
254 0.0 0.2 0.2#

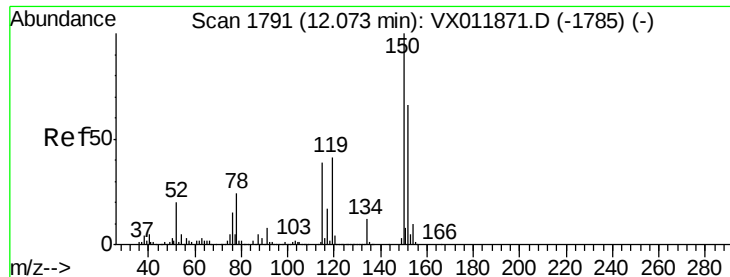


Abundance Ion 172.70 (172.40 to 173.40): V

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: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

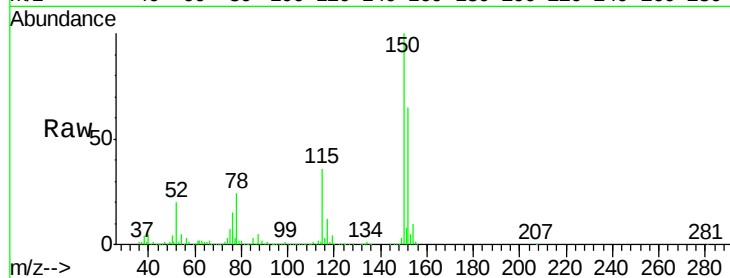
Tot Ion:152 Resp: 231334

Ion Ratio Lower Upper

152 100

115 55.4 36.0 108.1

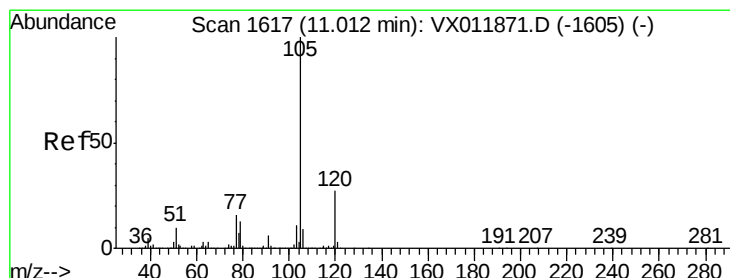
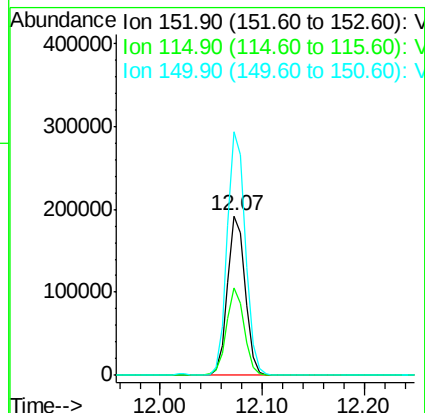
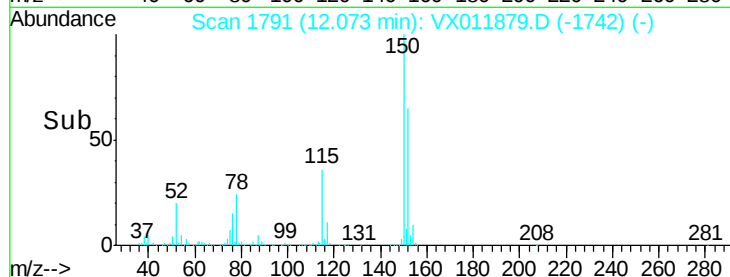
150 156.1 0.0 341.4



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: 3.323 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011879.D

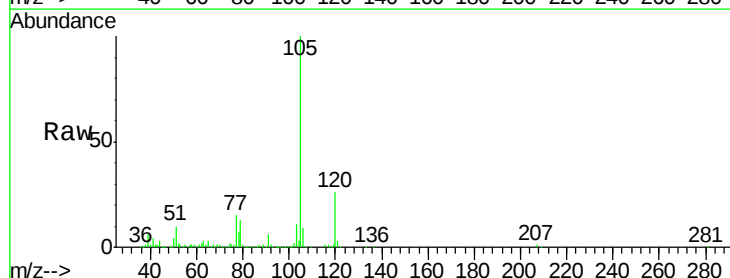
Acq: 28 Aug 2019 20:13

Tgt Ion:105 Resp: 44390

Ion Ratio Lower Upper

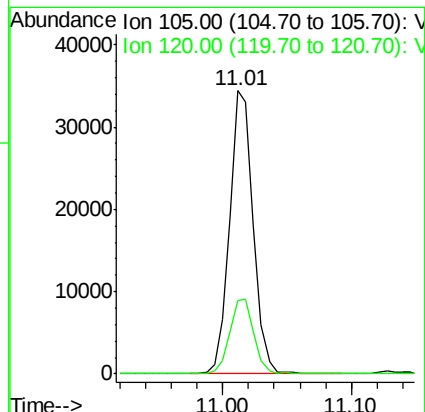
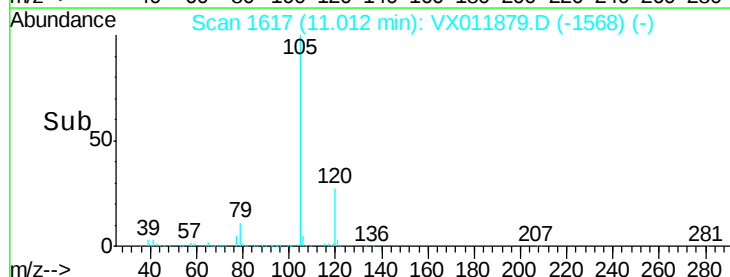
105 100

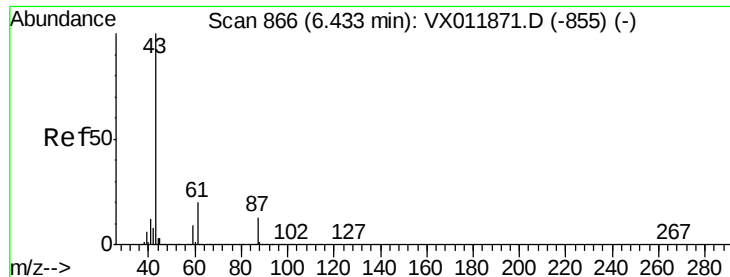
120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.485 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 8361

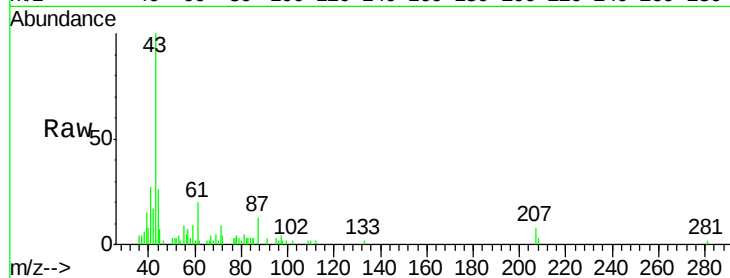
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 2.5 0.1 0.1#

61 22.1 15.6 23.4

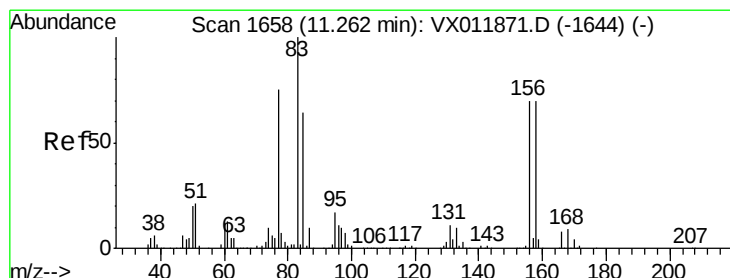
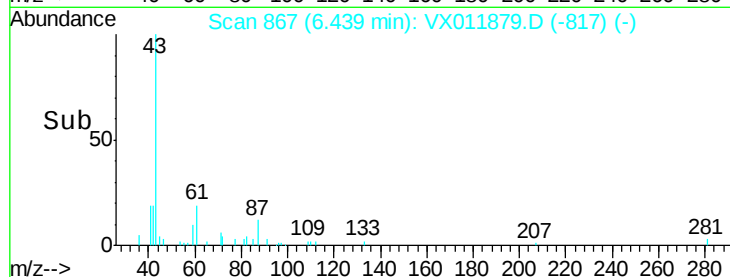
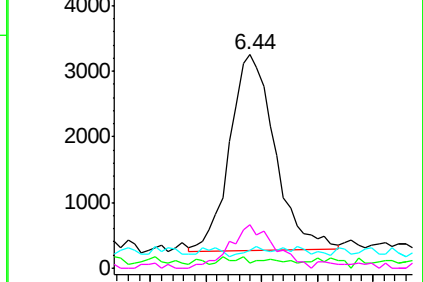


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.618 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

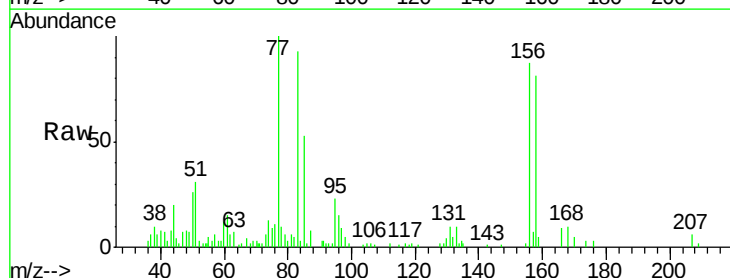
Tgt Ion: 83 Resp: 5853

Ion Ratio Lower Upper

83 100

131 12.8 6.0 18.1

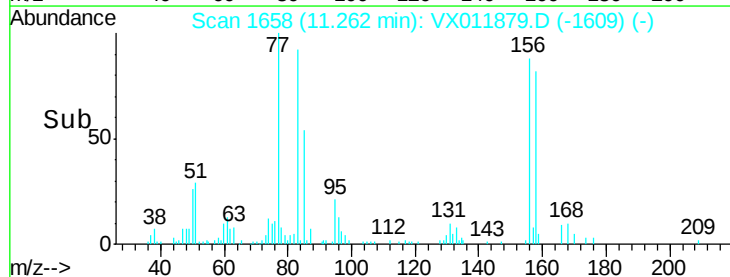
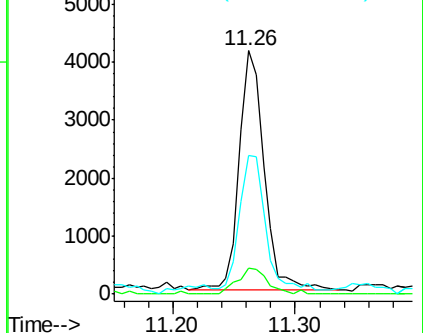
85 58.8 31.9 95.9

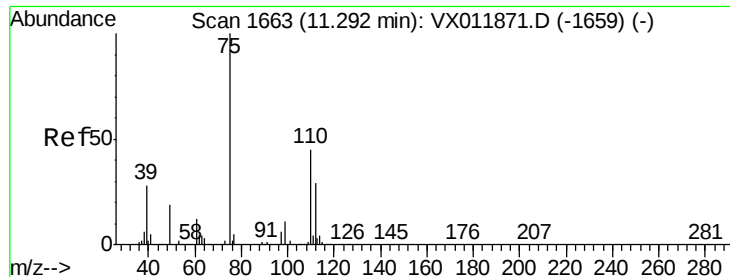


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



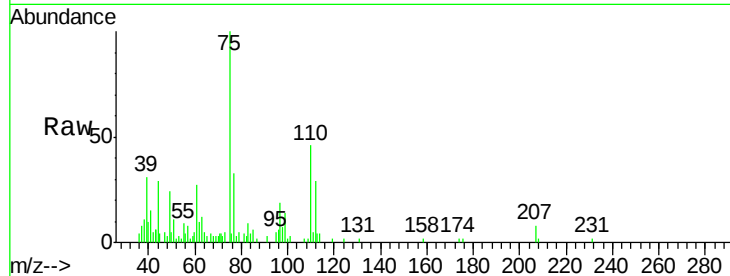


#76

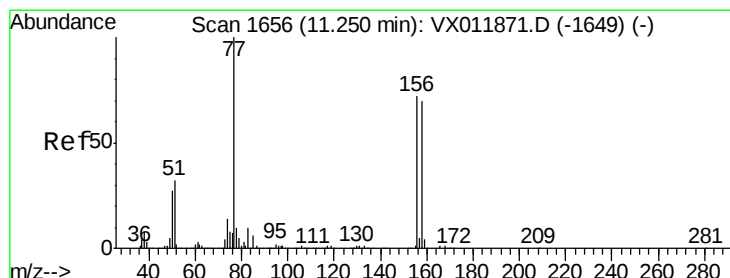
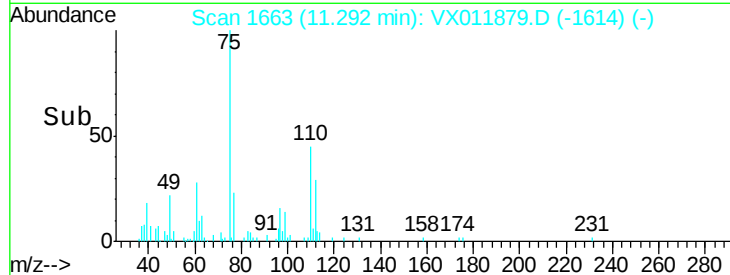
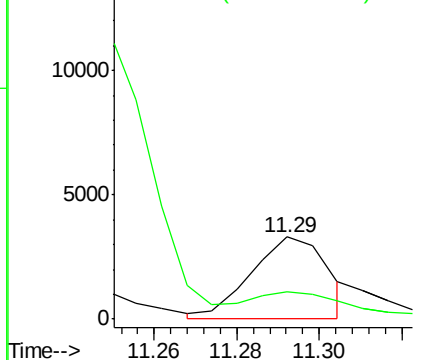
1,2,3-Trichloropropane
Concen: 2.487 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion: 75 Resp: 4273
Ion Ratio Lower Upper
75 100
77 37.6 19.5 58.5



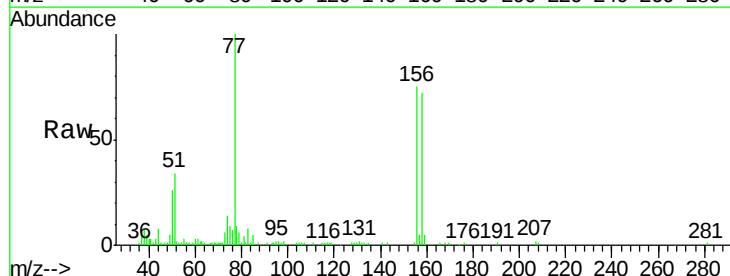
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0



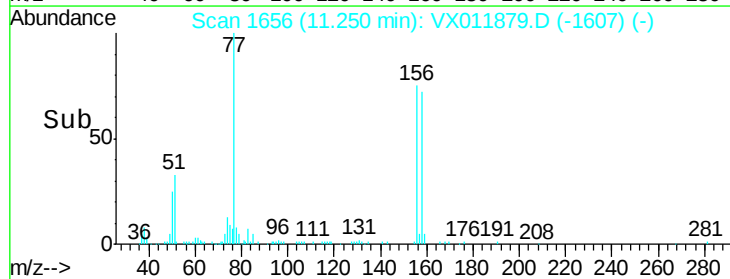
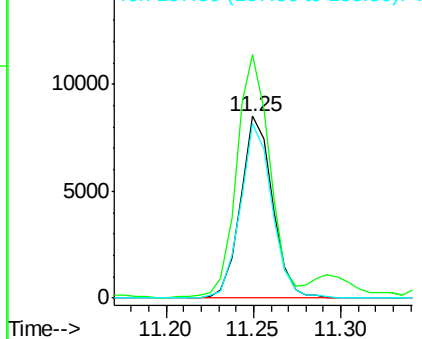
#77

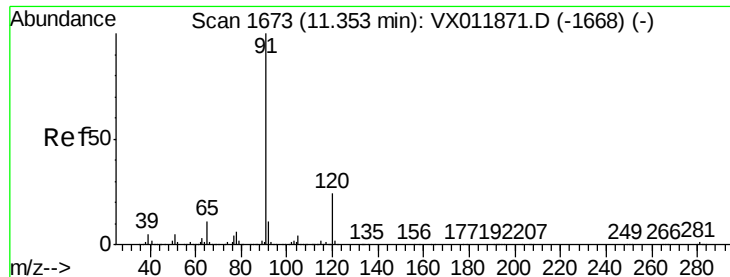
Bromobenzene
Concen: 2.882 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 156 Resp: 10733
Ion Ratio Lower Upper
156 100
77 142.2 69.4 208.2
158 95.6 48.2 144.6



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: 3.479 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

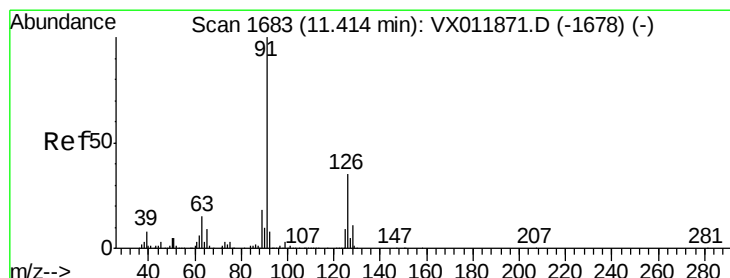
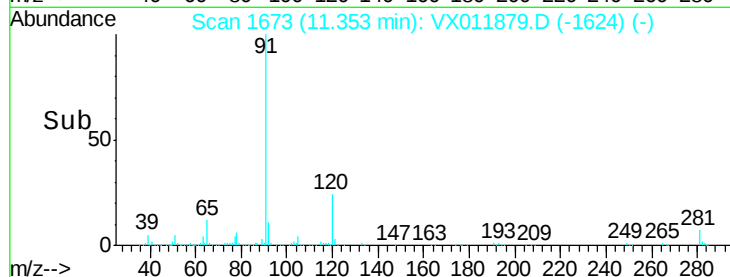
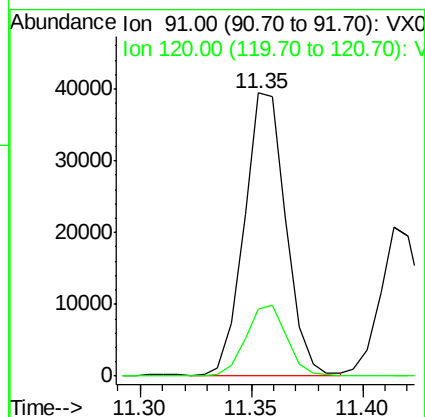
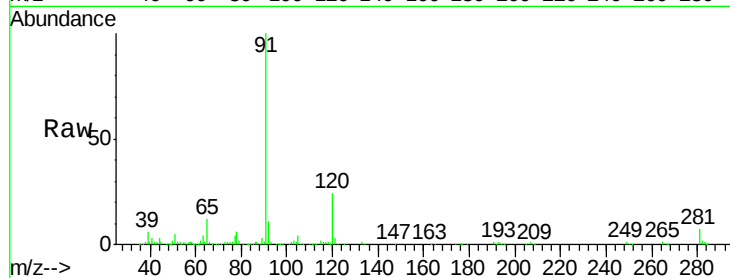
MDL02

Tot Ion: 91 Resp: 51126

Ion Ratio Lower Upper

91 100

120 24.7 12.2 36.6



#79

2-Chlorotoluene

Concen: 2.904 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX011879.D

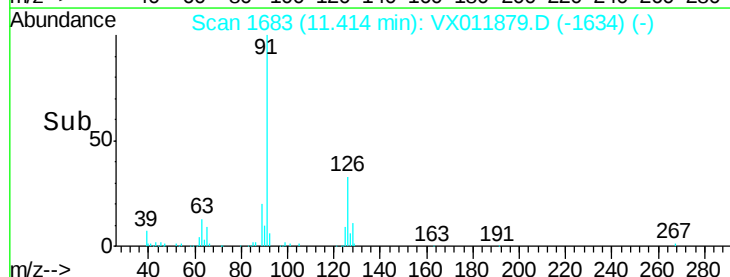
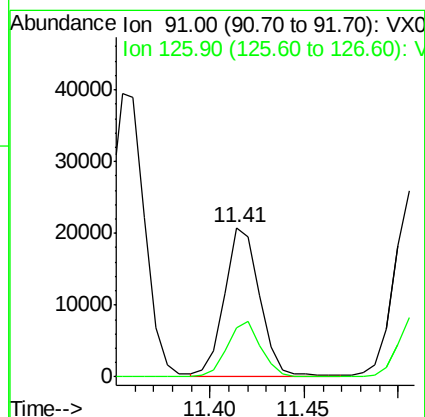
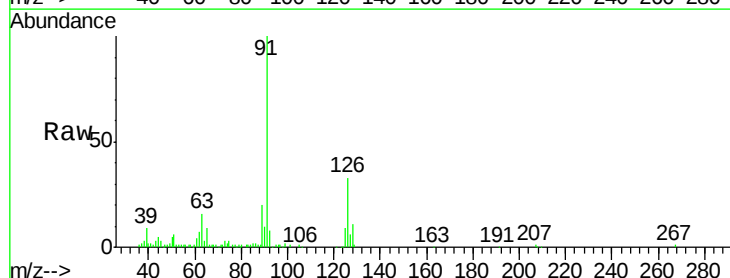
Acq: 28 Aug 2019 20:13

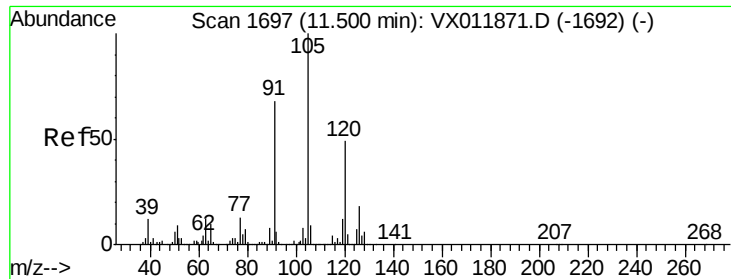
Tgt Ion: 91 Resp: 26740

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

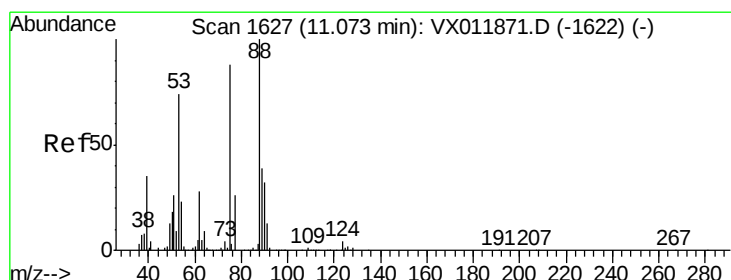
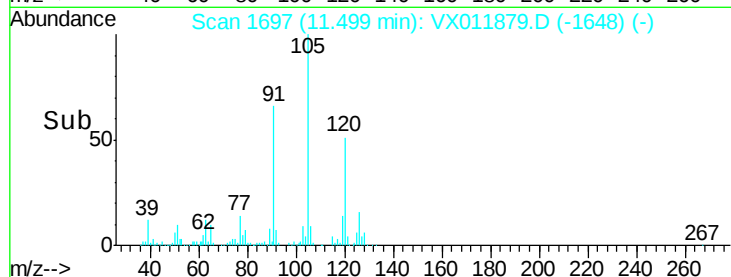
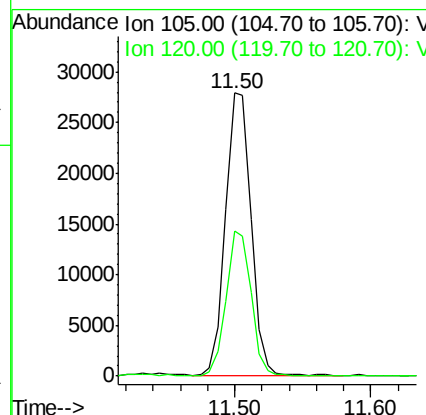
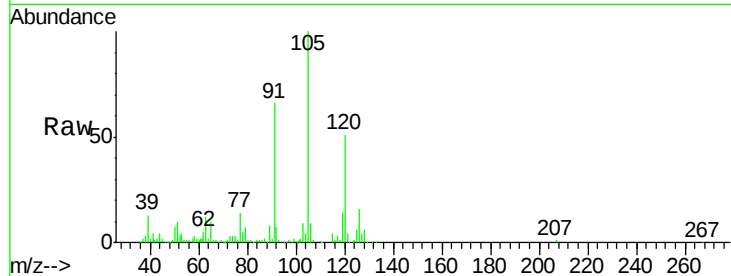




#80
 1,3,5-Trimethylbenzene
 Concen: 3.238 ug/l
 RT: 11.50 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

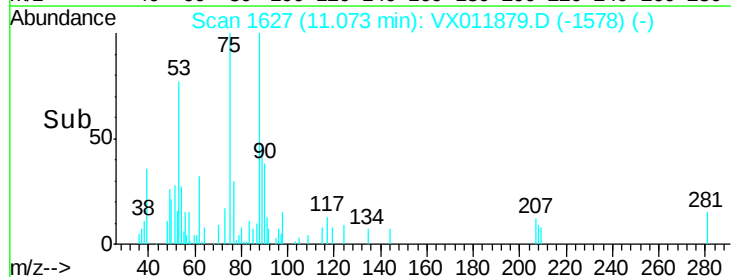
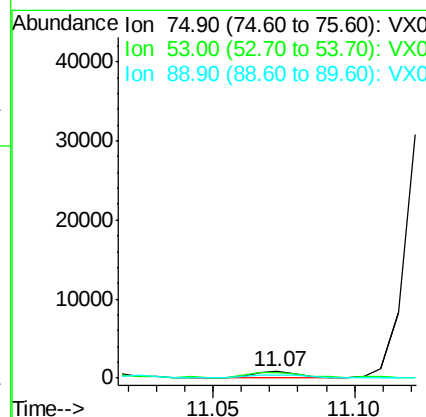
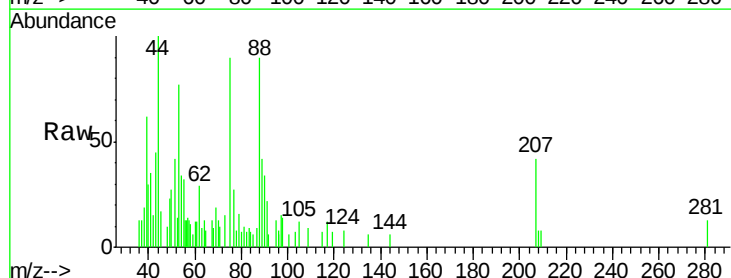
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

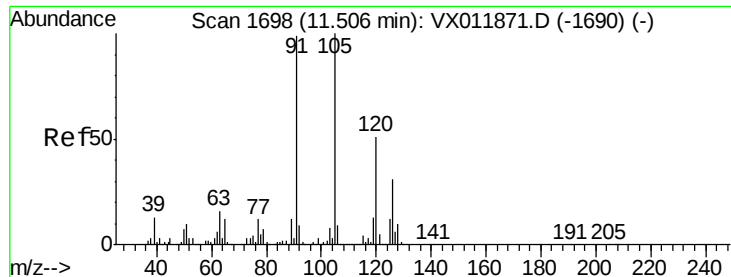
Tot Ion:105 Resp: 36286
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.121 ug/l m
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion: 75 Resp: 1024
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 37.4 56.0#

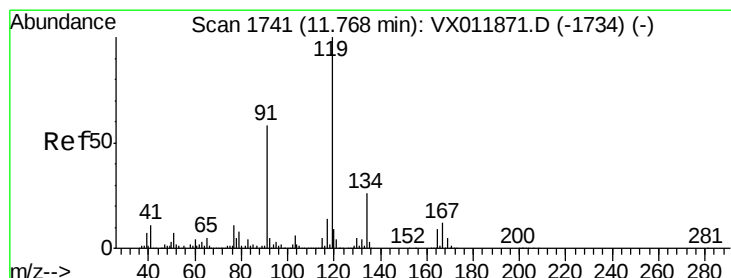
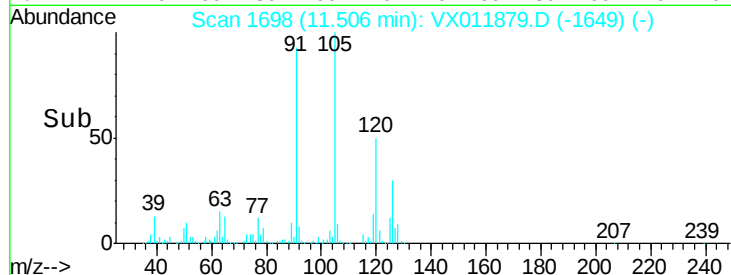
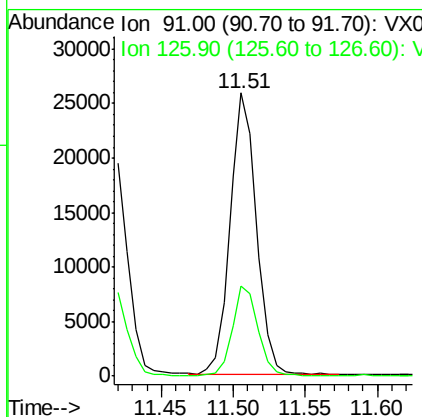
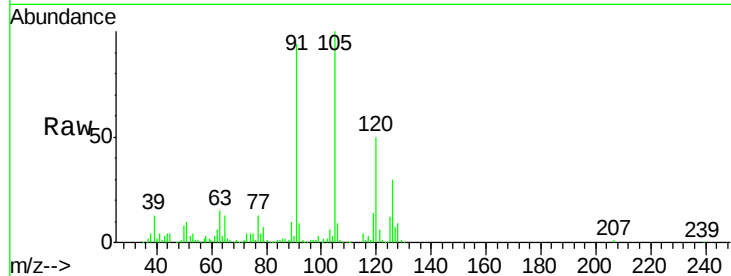




#82
4-Chlorotoluene
Concen: 3.117 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

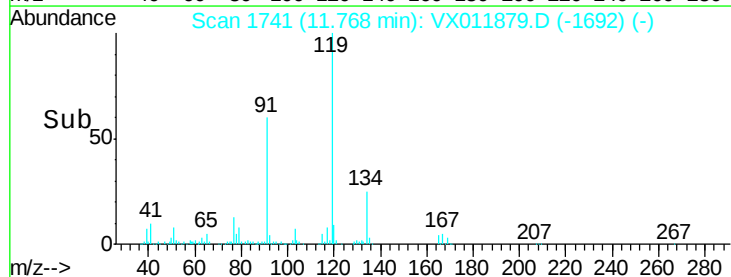
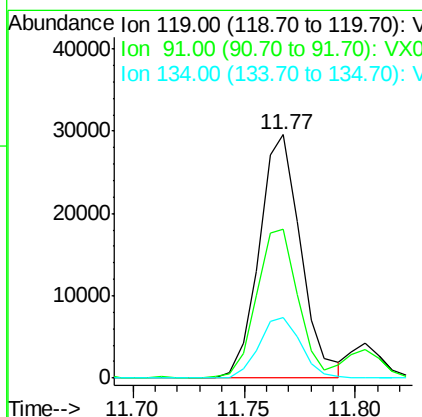
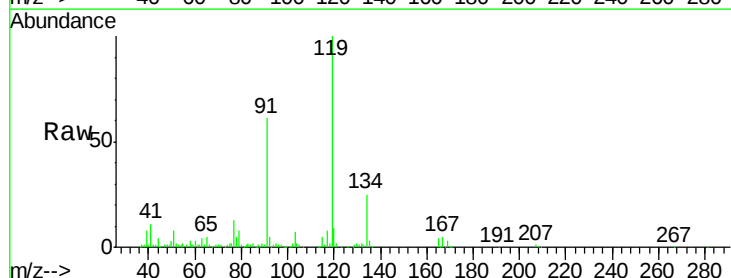
Instrument :
MSVOA_X
ClientSampled :
MDL02

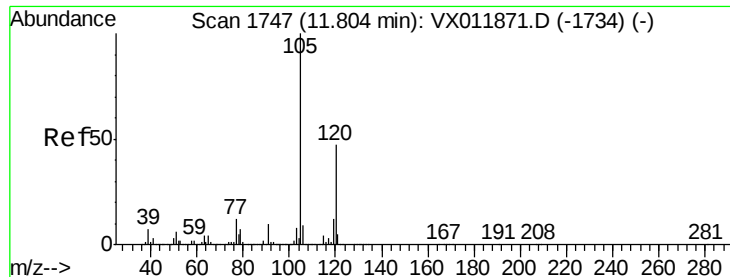
Tot Ion: 91 Resp: 33279
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.2



#83
tert-Butylbenzene
Concen: 3.690 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 119 Resp: 38439
Ion Ratio Lower Upper
119 100
91 60.9 28.6 85.8
134 25.0 12.4 37.2

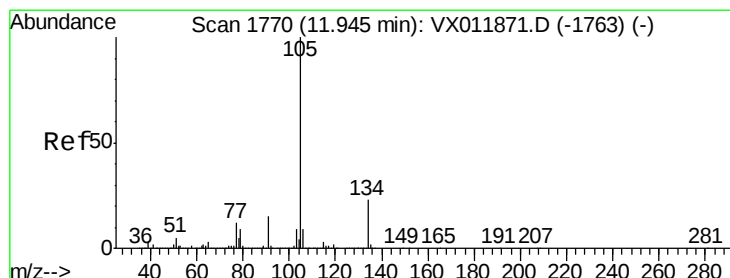
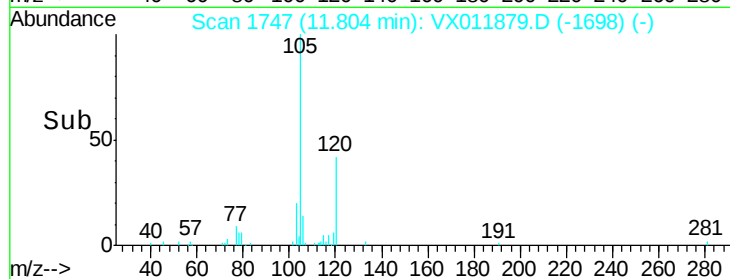
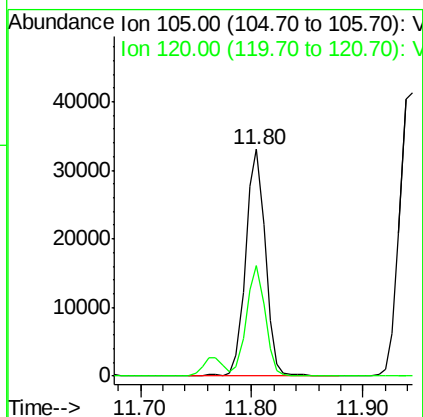
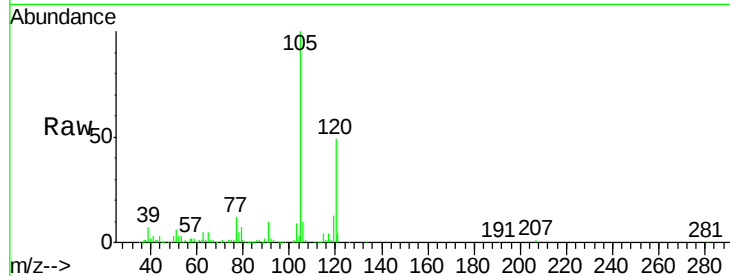




#84
 1,2,4-Trimethylbenzene
 Concen: 3.813 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

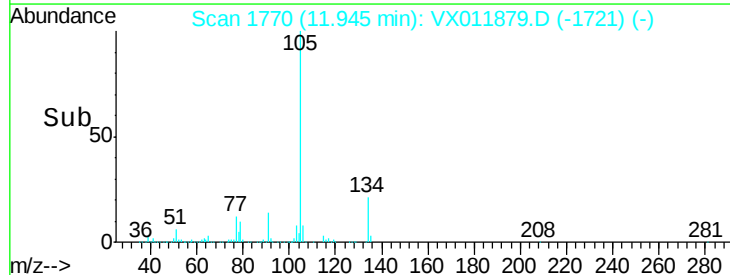
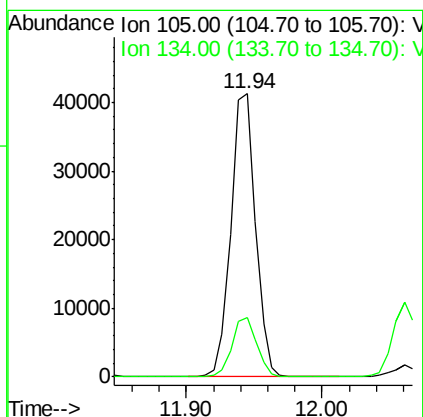
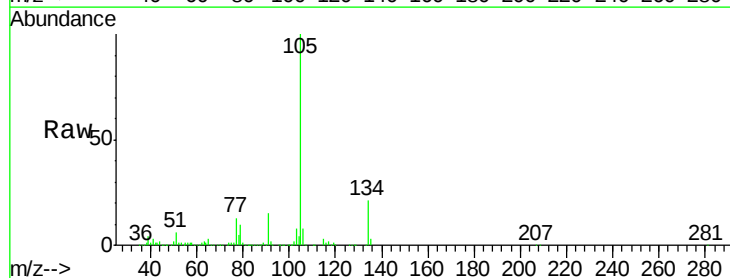
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

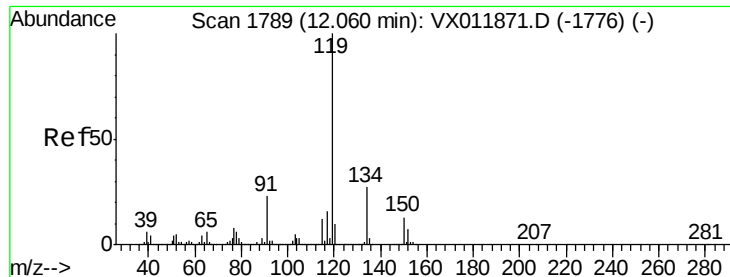
Tot Ion:105 Resp: 40536
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0



#85
 sec-Butylbenzene
 Concen: 4.319 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion:105 Resp: 52258
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.9 32.9

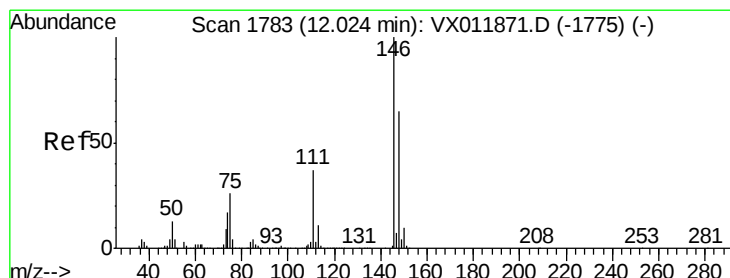
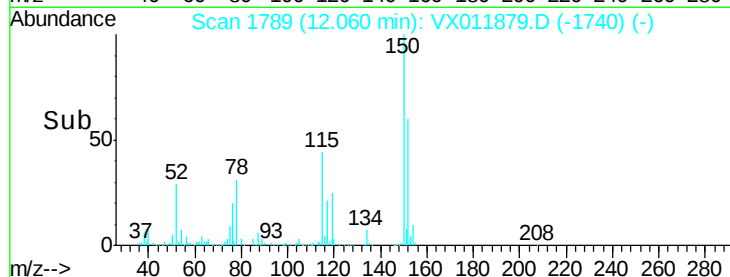
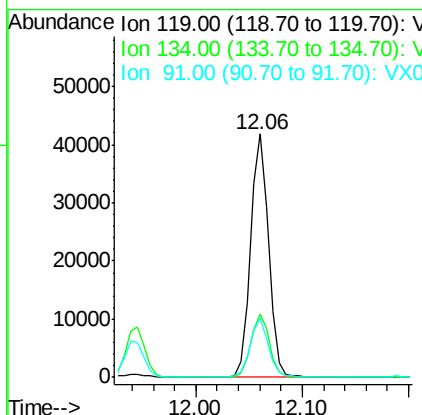
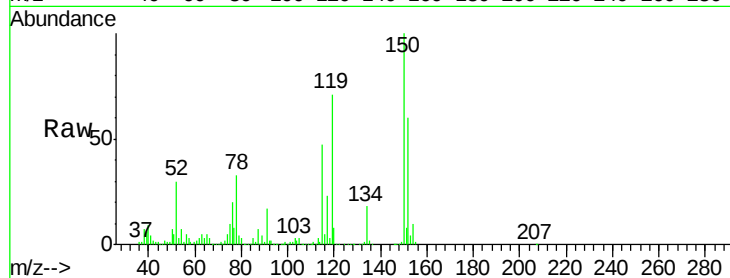




#86
p-Isopropyltoluene
Concen: 4.454 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

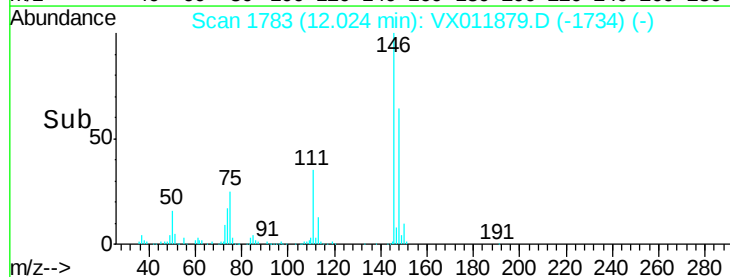
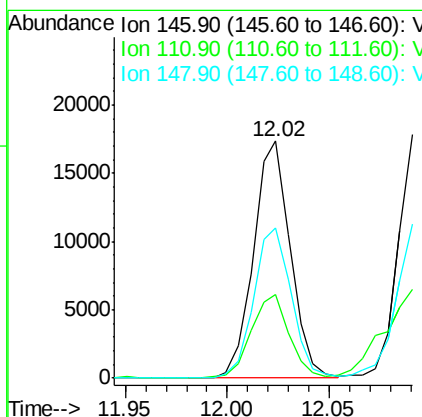
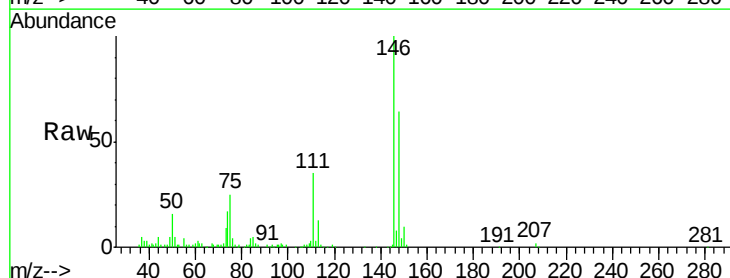
Instrument :
MSVOA_X
ClientSampled :
MDL02

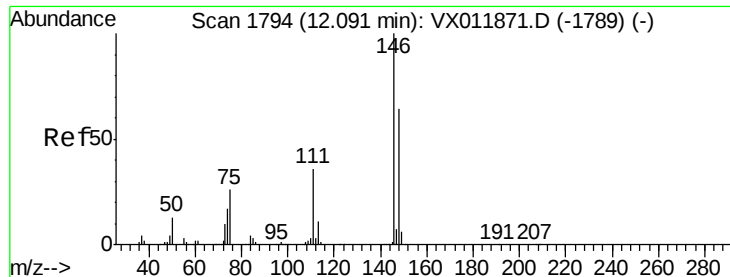
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	24.2	11.7	35.0



#87
1,3-Dichlorobenzene
Concen: 3.262 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	64.7	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 3.503 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

MDL02

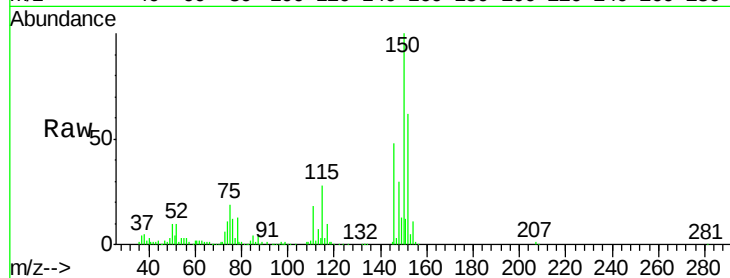
Tot Ion:146 Resp: 22689

Ion Ratio Lower Upper

146 100

111 48.9 18.3 54.8

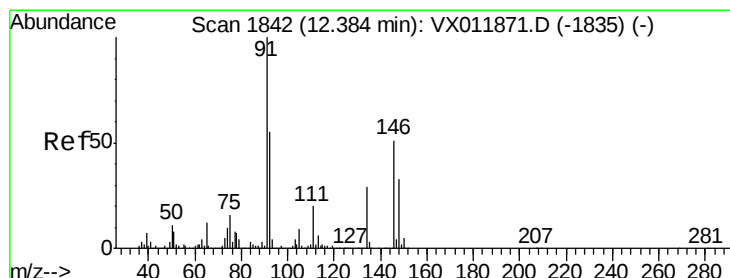
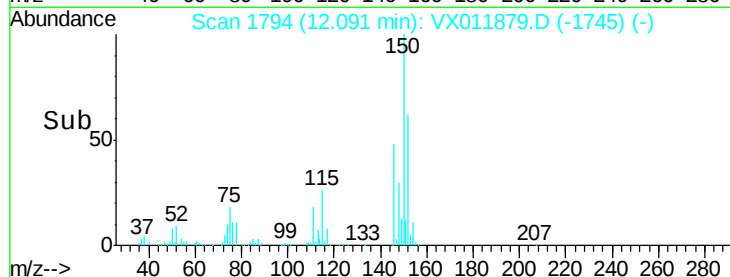
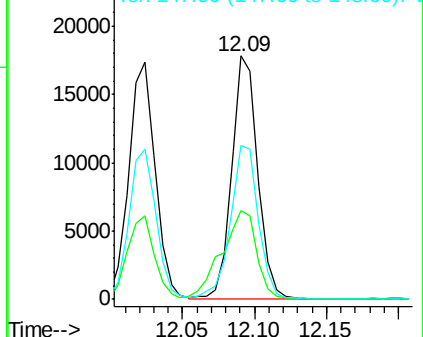
148 68.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 4.923 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

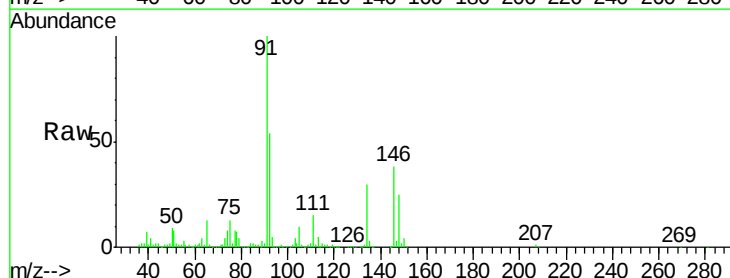
Tgt Ion: 91 Resp: 45518

Ion Ratio Lower Upper

91 100

92 54.3 27.6 82.7

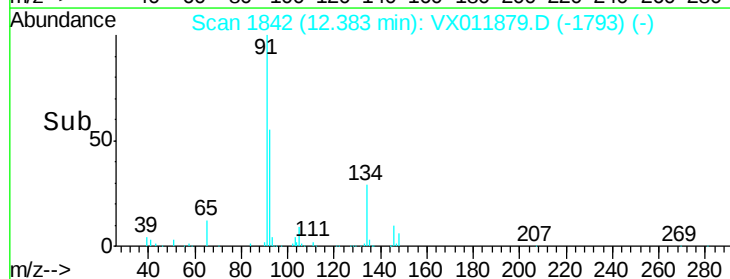
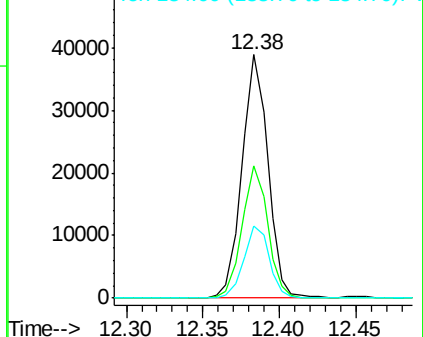
134 29.4 14.4 43.4

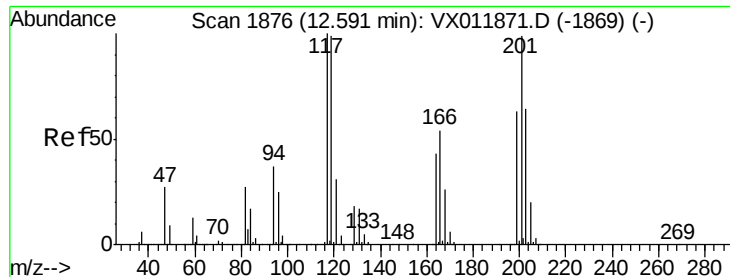


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.787 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

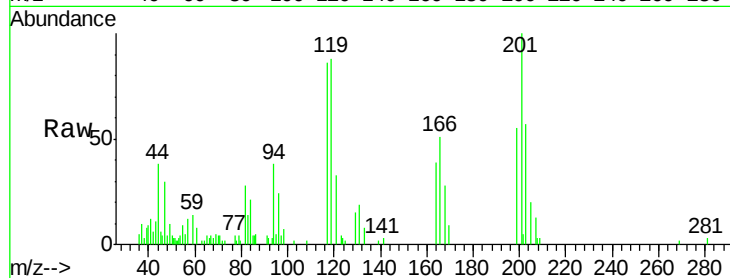
MDL02

Tot Ion:117 Resp: 3196

Ion Ratio Lower Upper

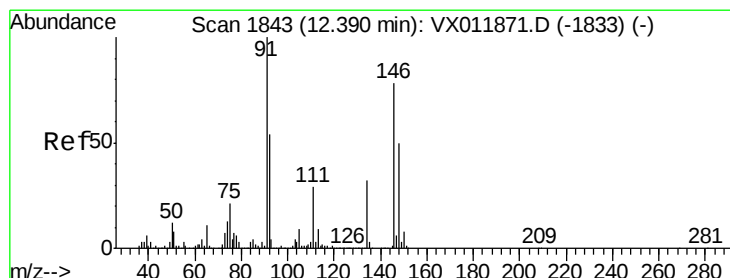
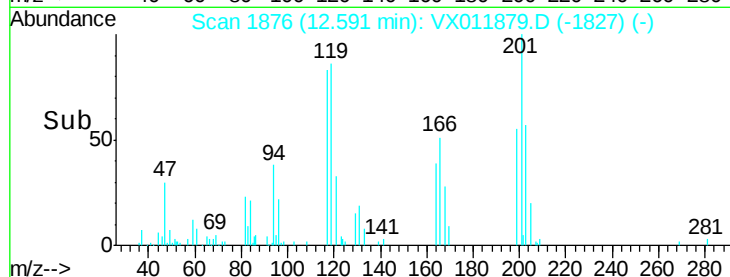
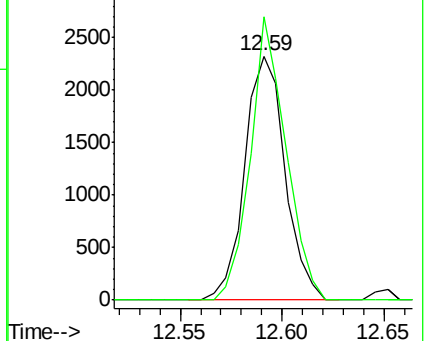
117 100

201 102.1 51.0 153.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 3.755 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

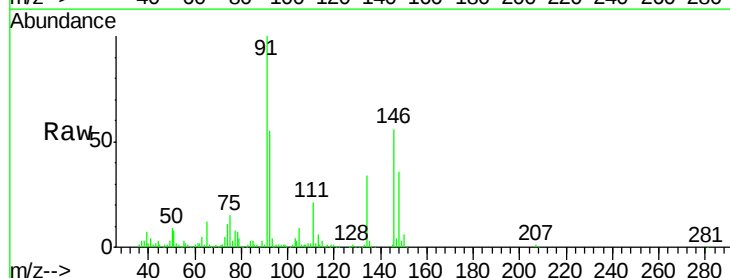
Tgt Ion:146 Resp: 21436

Ion Ratio Lower Upper

146 100

111 40.2 19.3 57.9

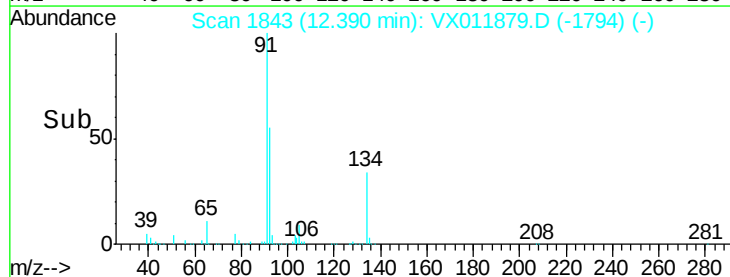
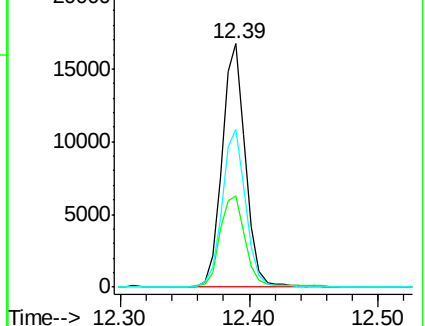
148 64.9 32.0 96.0

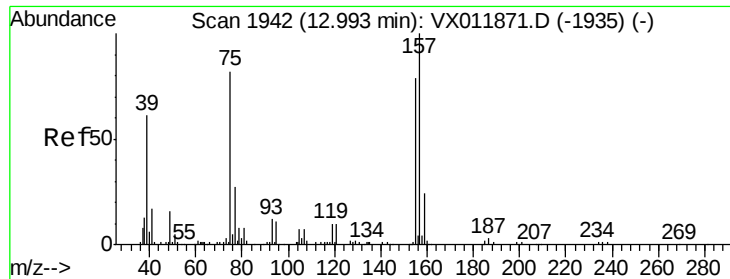


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.930 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

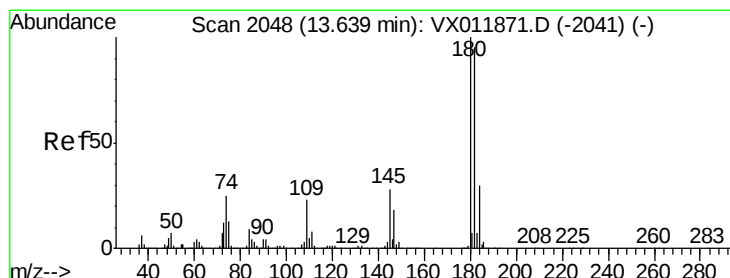
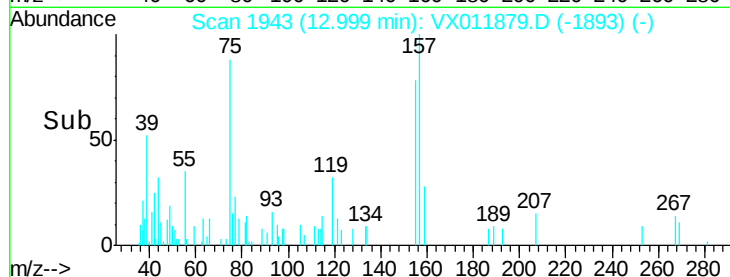
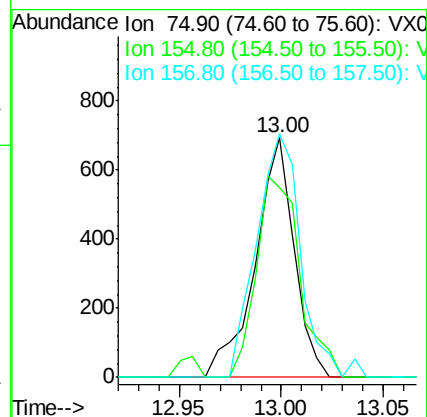
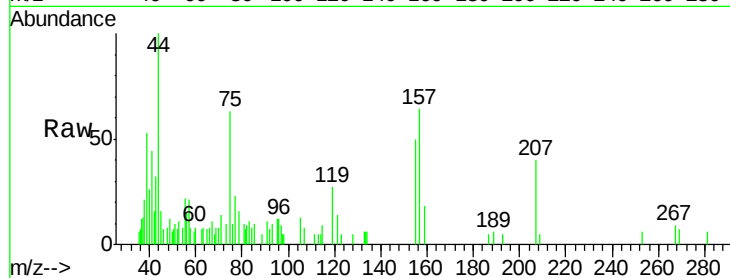
Tot Ion: 75 Resp: 922

Ion Ratio Lower Upper

75 100

155 93.8 50.3 150.9

157 115.8 64.7 194.1



#93

1,2,4-Trichlorobenzene

Concen: 5.459 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

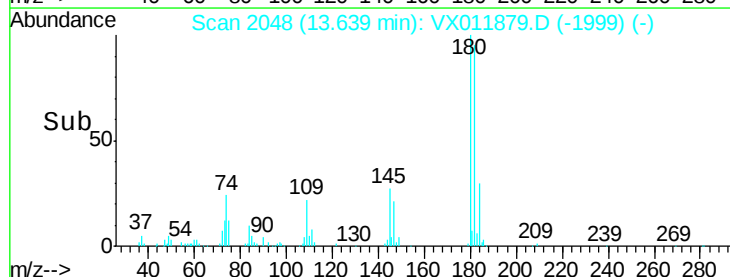
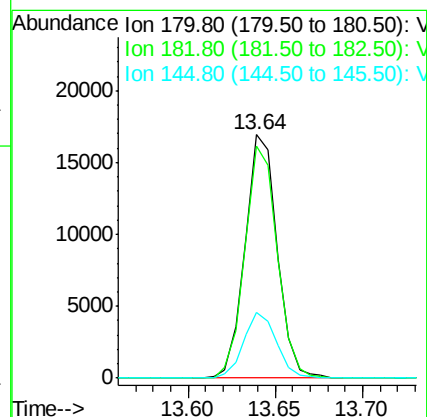
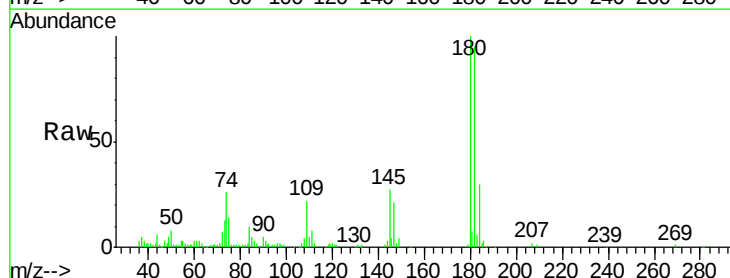
Tgt Ion:180 Resp: 21629

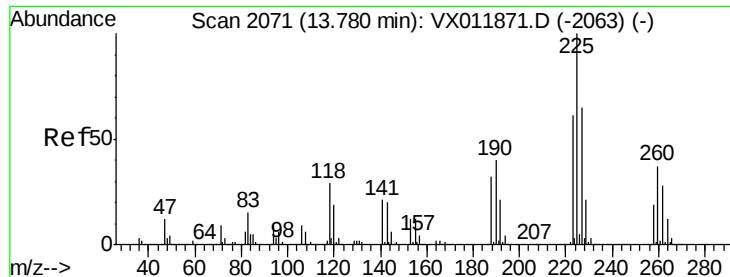
Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 27.6 13.8 41.4





#94

Hexachlorobutadiene

Concen: 4.374 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

MDL02

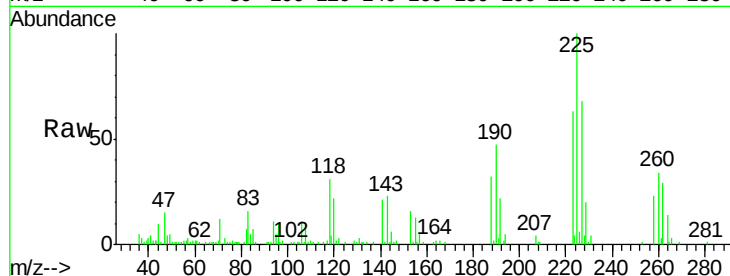
Tot Ion:225 Resp: 12637

Ion Ratio Lower Upper

225 100

223 62.5 30.9 92.8

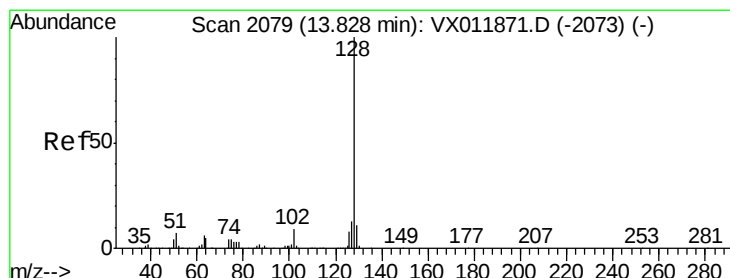
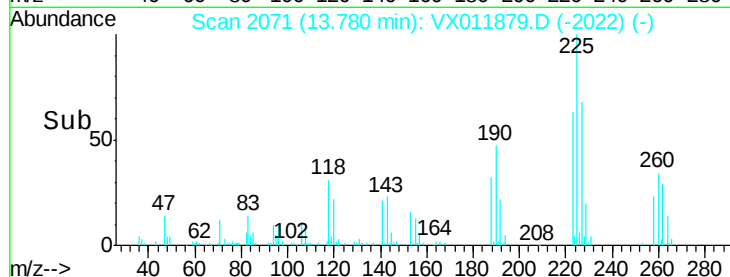
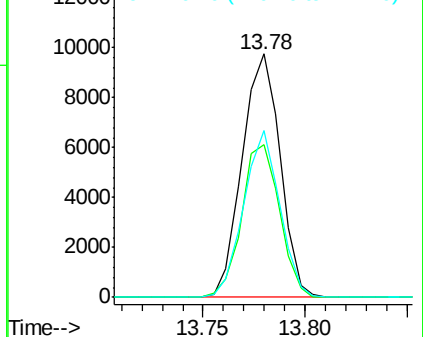
227 65.0 32.5 97.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.280 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

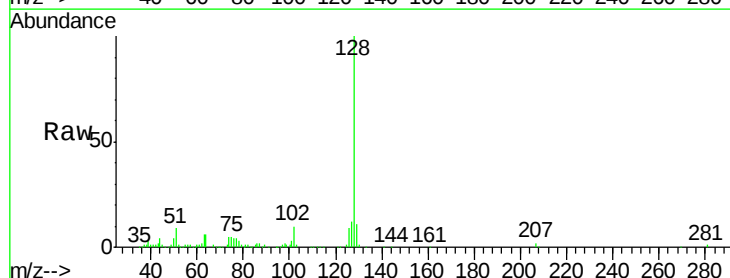
Tgt Ion:128 Resp: 34680

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

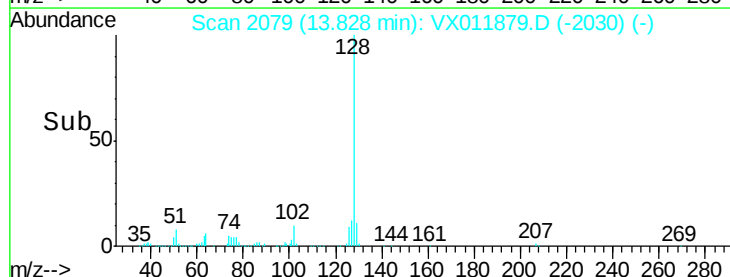
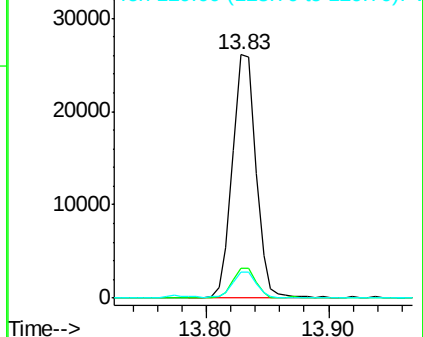
129 11.1 9.0 13.4

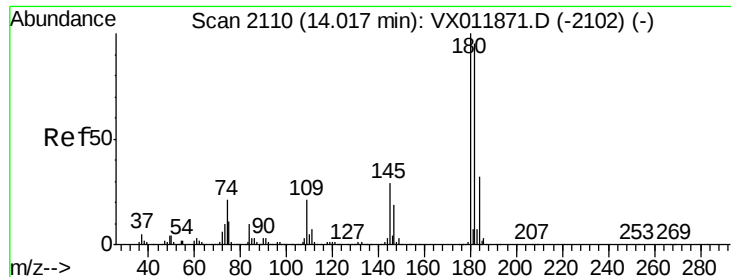


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 6.346 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	30.5	14.9	44.7

