

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
 Data File : VX032633.D
 Acq On : 07 Nov 2022 17:34
 Operator : JC/MD
 Sample : N5497-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

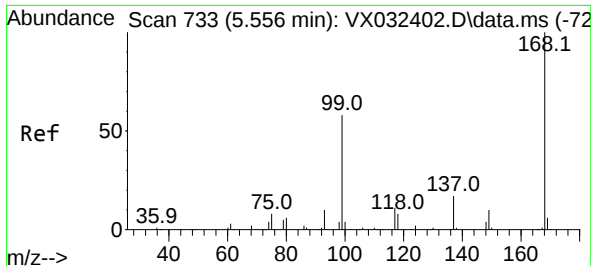
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 03:15:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	106935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73666	49.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.160%		
35) Dibromofluoromethane	5.391	113	57754	46.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.653	98	210550	48.429	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.860%		
62) 4-Bromofluorobenzene	11.079	95	83628	49.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.480%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	293	0.380	ug/l #	42
11) Tert butyl alcohol	2.940	59	653	3.019	ug/l #	72
13) Acrolein	2.337	56	3491	16.170	ug/l	85
14) Allyl chloride	2.782	41	13051	7.634	ug/l #	61
15) Acrylonitrile	2.782	53	752	1.281	ug/l #	6
16) Acetone	2.343	43	9946	18.417	ug/l #	55
18) Methyl Acetate	2.782	43	28242	16.082	ug/l #	51
20) Methylene Chloride	2.788	84	1503	1.214	ug/l #	51
25) 2-Butanone	4.593	43	302	0.361	ug/l #	47
29) Tetrahydrofuran	5.013	42	12393	23.229	ug/l	97
31) Cyclohexane	5.489	56	526	0.292	ug/l #	92
36) 1,1-Dichloropropene	5.556	75	8191	4.704	ug/l #	51
38) Carbon Tetrachloride	5.550	117	10871	5.629	ug/l #	14
41) Methacrylonitrile	5.019	41	6763	7.325	ug/l #	47
48) Methyl methacrylate	7.781	41	1032	0.718	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1403	0.800	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	2357	1.741	ug/l #	18
56) Ethyl methacrylate	9.104	69	665	0.341	ug/l #	15
59) 2-Hexanone	9.244	43	505	0.388	ug/l	76
68) m/p-Xylenes	10.311	106	485	0.201	ug/l	78
76) 1,2,3-Trichloropropane	11.079	75	45145	27.164	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45145	86.436	ug/l #	7
83) tert-Butylbenzene	11.713	119	1523	0.302	ug/l	79
84) 1,2,4-Trimethylbenzene	11.756	105	1080	0.215	ug/l	93
85) sec-Butylbenzene	11.890	105	4365	0.718	ug/l #	57
86) p-Isopropyltoluene	12.177	119	6742	1.307	ug/l	94
89) n-Butylbenzene	12.311	91	3465	0.772	ug/l #	13
90) Hexachloroethane	12.408	117	2587	3.071	ug/l #	12

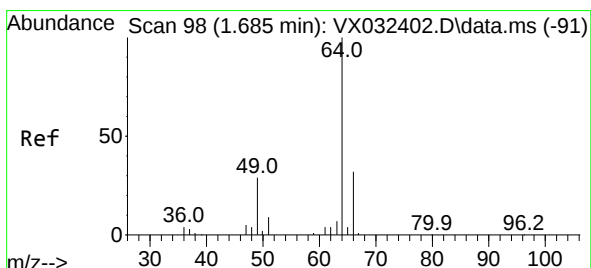
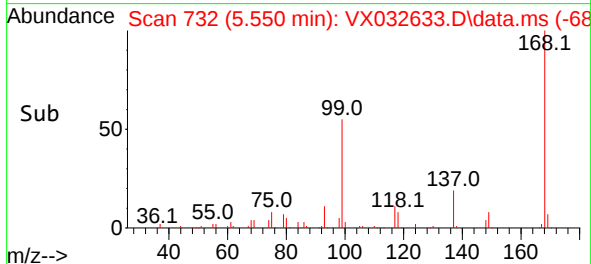
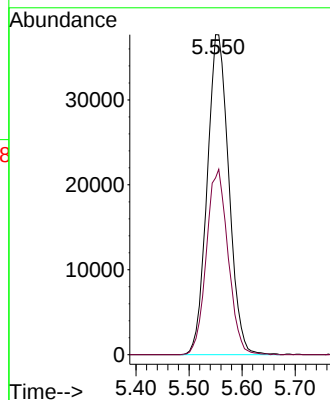
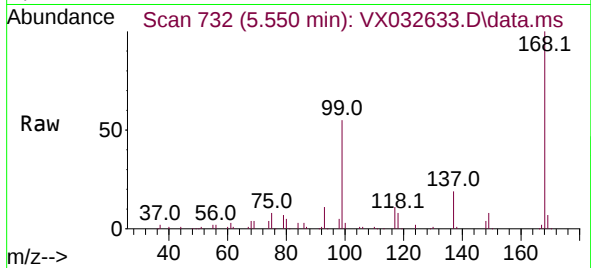
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

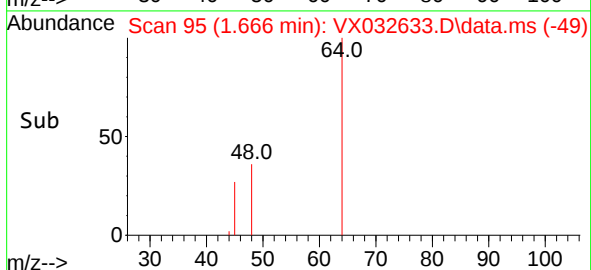
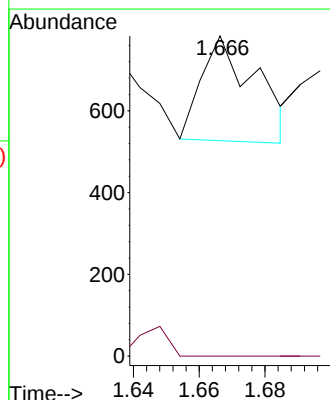
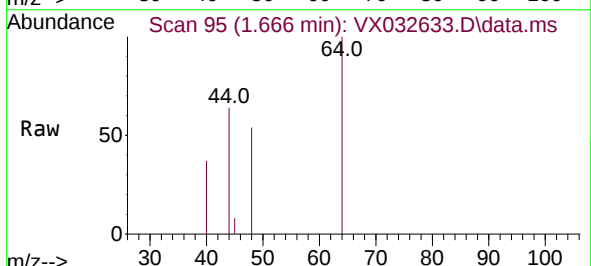
Instrument :
MSVOA_X
ClientSampleId :

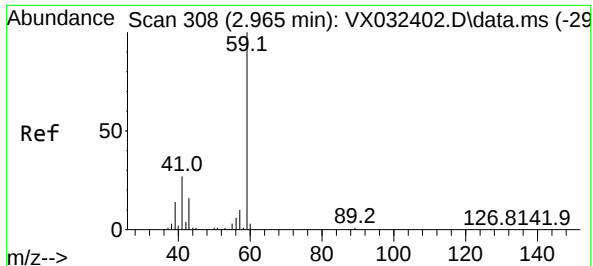
Tgt Ion:168 Resp: 106935
Ion Ratio Lower Upper
168 100
99 55.3 46.1 69.1



#6
Chloroethane
Concen: 0.380 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.018 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 3.019 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Instrument :

MSVOA_X

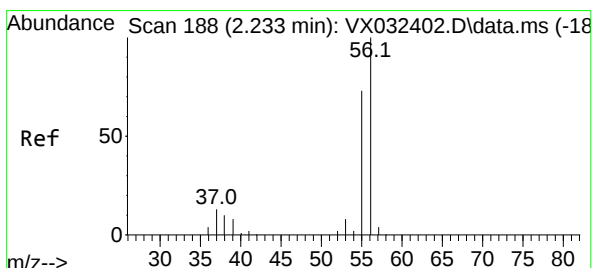
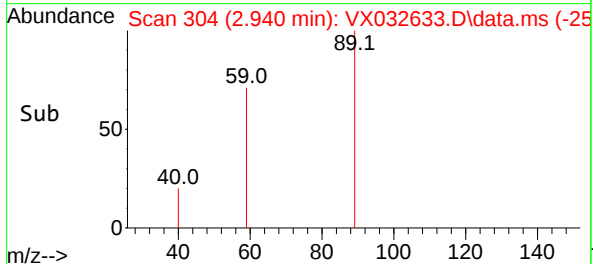
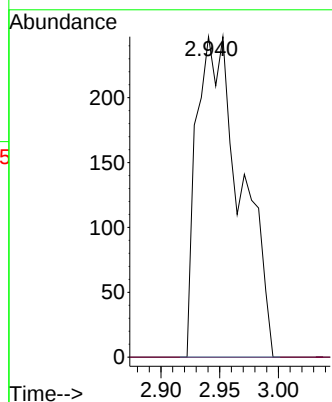
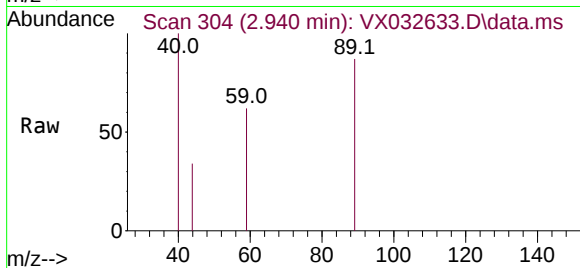
ClientSampleId :

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 16.170 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.104 min

Lab File: VX032633.D

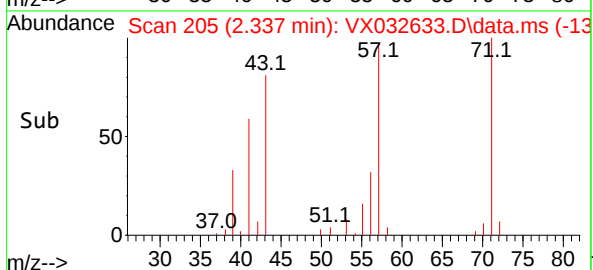
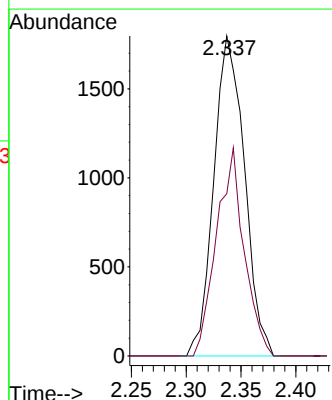
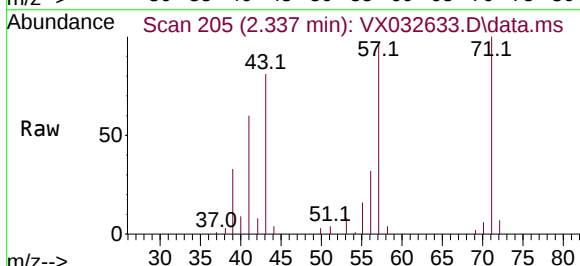
Acq: 07 Nov 2022 17:34

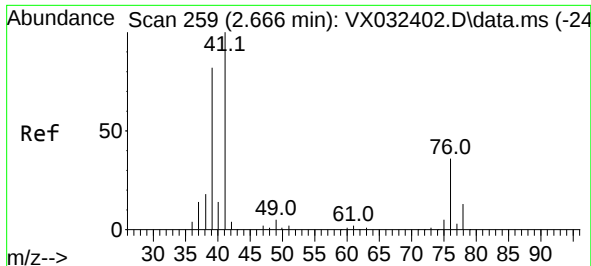
Tgt Ion: 56 Resp: 3491

Ion Ratio Lower Upper

56 100

55 58.8 56.9 85.3

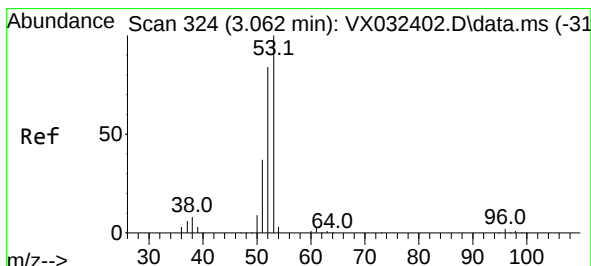
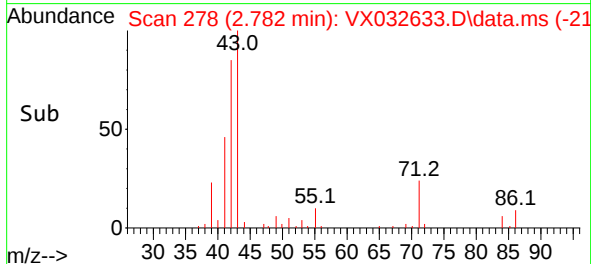
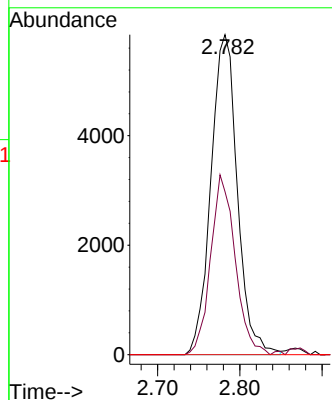
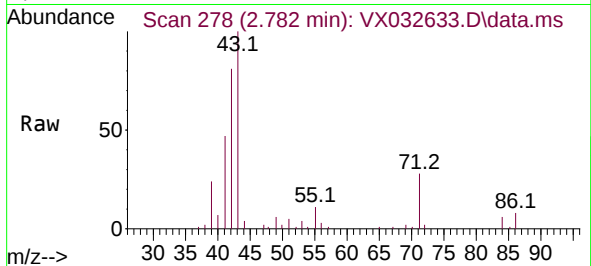




#14
 Allyl chloride
 Concen: 7.634 ug/l
 RT: 2.782 min Scan# 21
 Delta R.T. 0.116 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

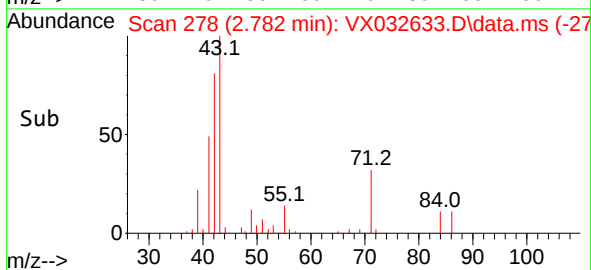
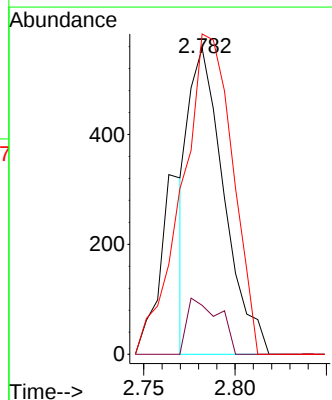
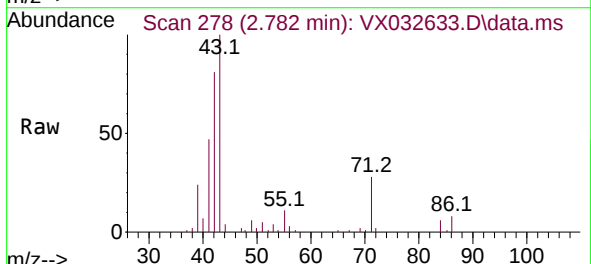
Instrument :
 MSVOA_X
 ClientSampleId :

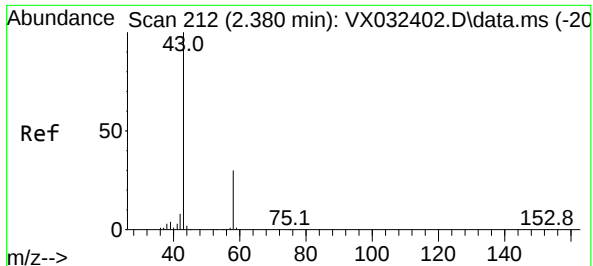
Tgt Ion: 41 Resp: 13051
 Ion Ratio Lower Upper
 41 100
 39 52.3 61.4 92.2#
 76 0.0 29.2 43.8#



#15
 Acrylonitrile
 Concen: 1.281 ug/l
 RT: 2.782 min Scan# 278
 Delta R.T. -0.280 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

Tgt Ion: 53 Resp: 752
 Ion Ratio Lower Upper
 53 100
 52 16.5 67.4 101.0#
 51 119.7 30.3 45.5#

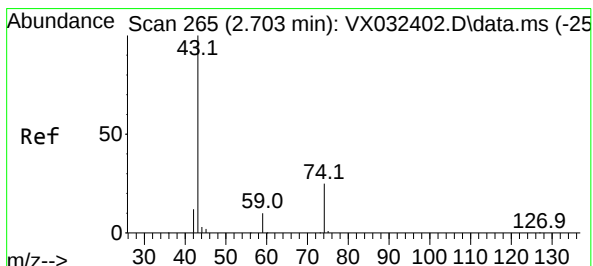
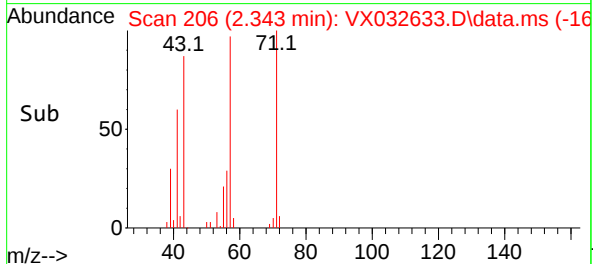
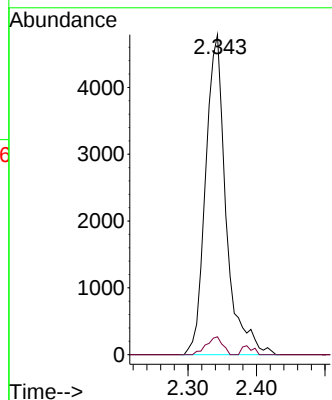
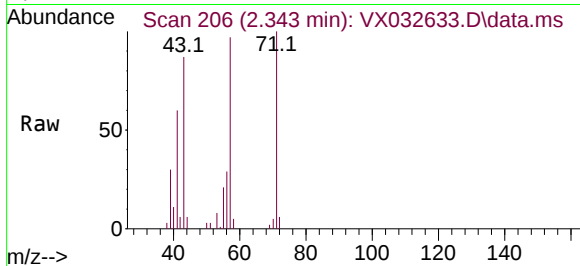




#16
Acetone
Concen: 18.417 ug/l
RT: 2.343 min Scan# 20
Delta R.T. -0.037 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

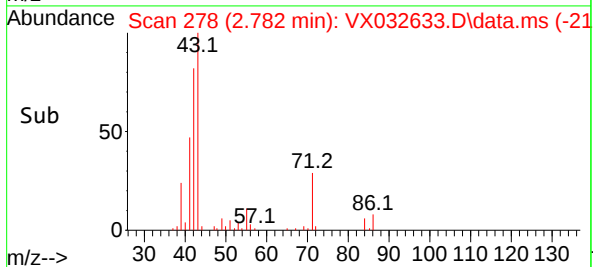
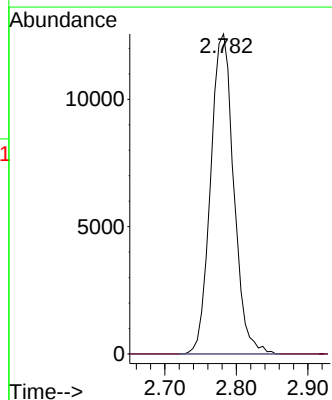
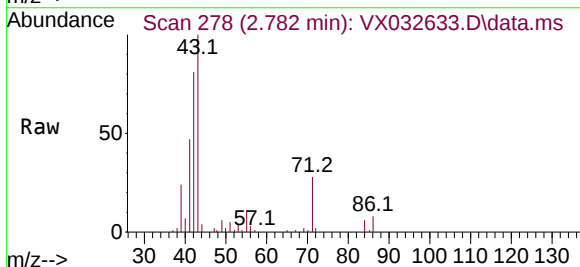
Instrument :
MSVOA_X
ClientSampleId :

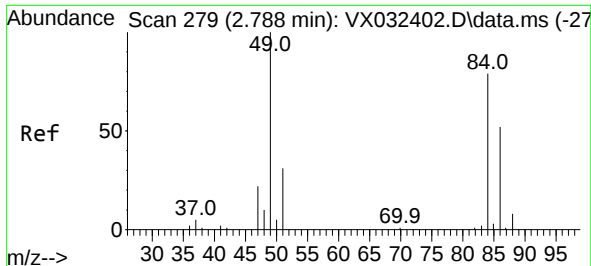
Tgt Ion: 43 Resp: 9946
Ion Ratio Lower Upper
43 100
58 5.6 23.8 35.8#



#18
Methyl Acetate
Concen: 16.082 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.079 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

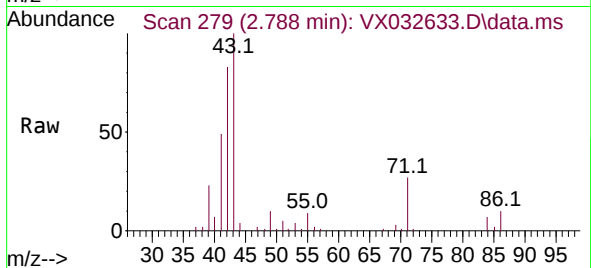
Tgt Ion: 43 Resp: 28242
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



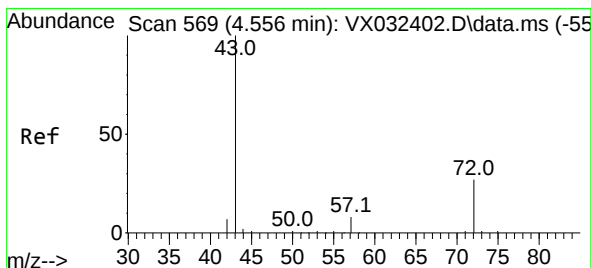
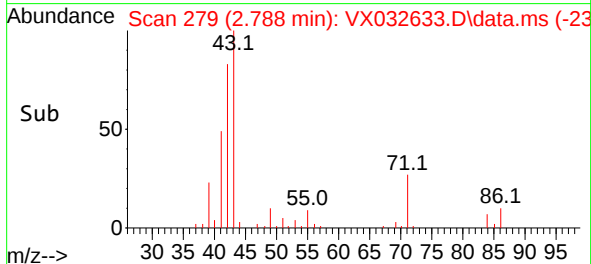
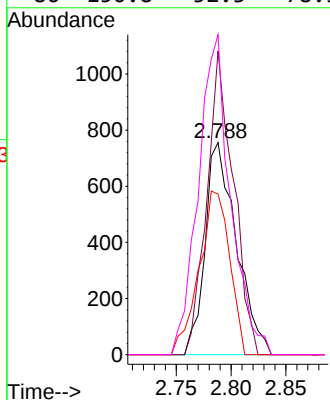


#20
Methylene Chloride
Concen: 1.214 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Instrument :
MSVOA_X
ClientSampleId :

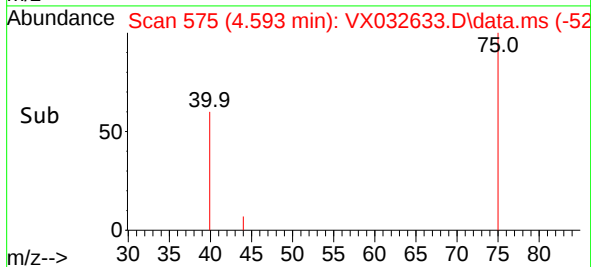
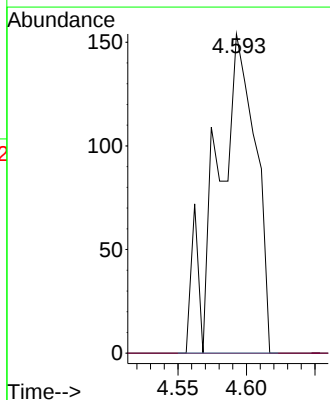
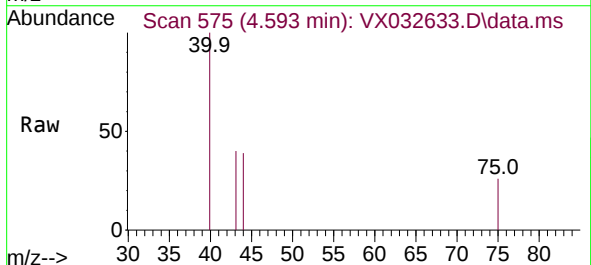


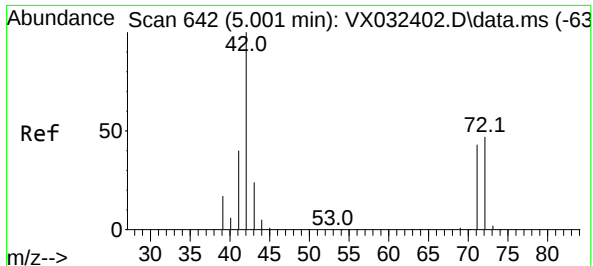
Tgt Ion:	84	Resp:	1503
Ion	Ratio	Lower	Upper
84	100		
49	143.1	101.0	151.6
51	75.7	31.1	46.7#
86	150.8	52.3	78.5#



#25
2-Butanone
Concen: 0.361 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion:	43	Resp:	302
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#





#29

Tetrahydrofuran

Concen: 23.229 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

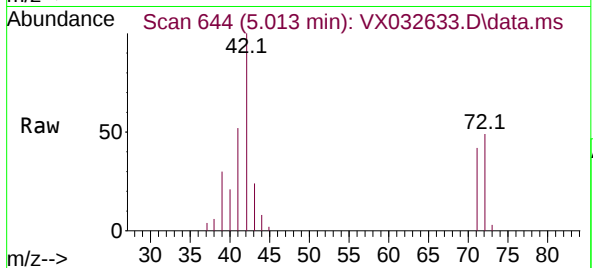
Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :



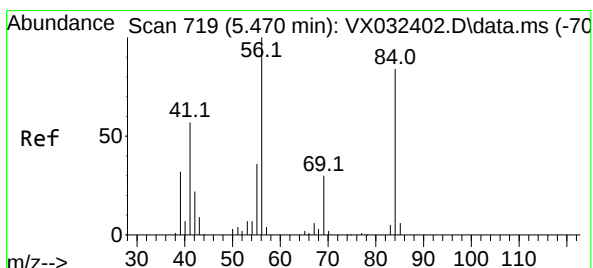
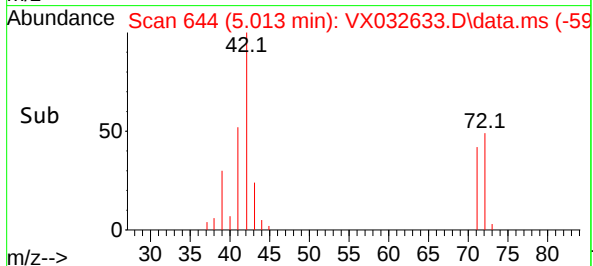
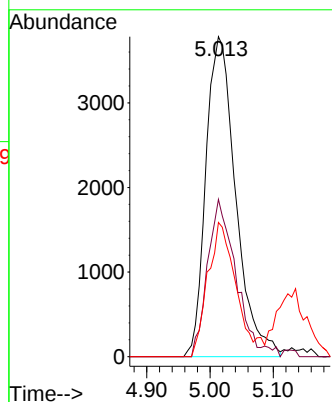
Tgt Ion: 42 Resp: 12393

Ion Ratio Lower Upper

42 100

72 46.9 37.6 56.4

71 39.0 34.7 52.1



#31

Cyclohexane

Concen: 0.292 ug/l

RT: 5.489 min Scan# 722

Delta R.T. 0.018 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

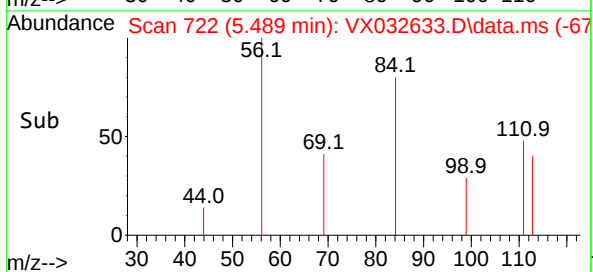
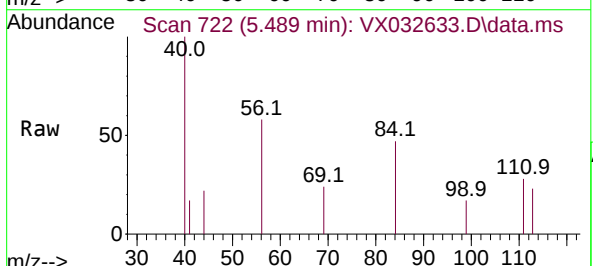
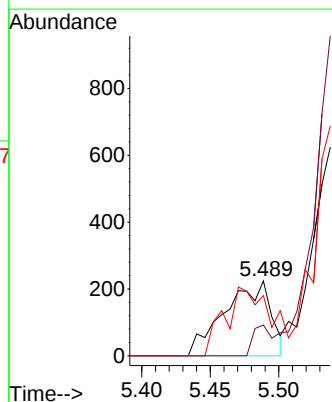
Tgt Ion: 56 Resp: 526

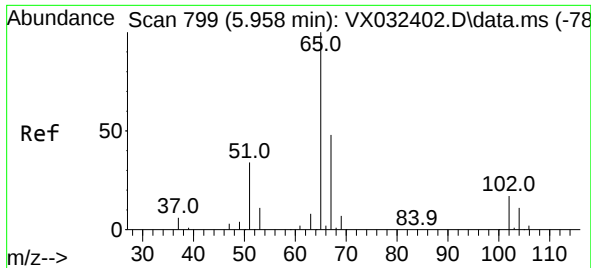
Ion Ratio Lower Upper

56 100

69 41.1 24.1 36.1#

84 80.4 66.9 100.3

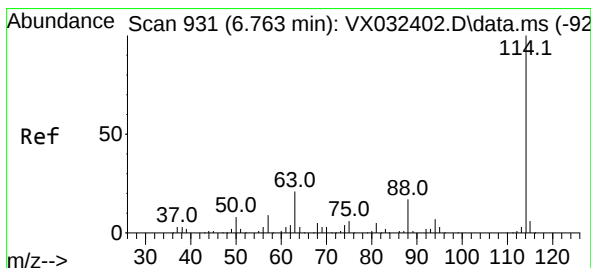
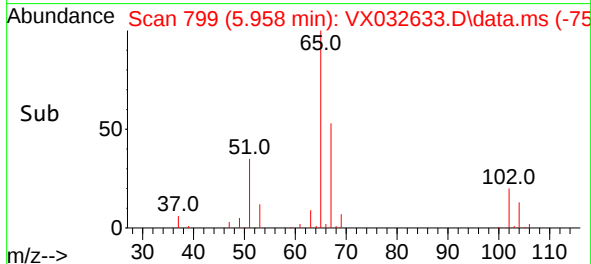
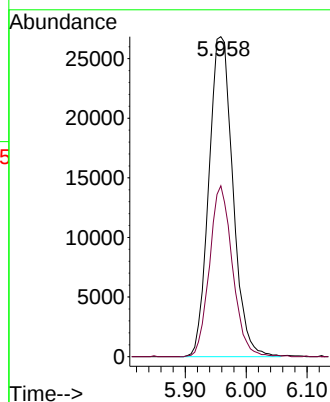
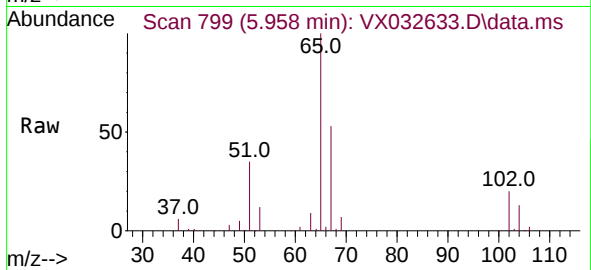




#33
 1,2-Dichloroethane-d4
 Concen: 49.579 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

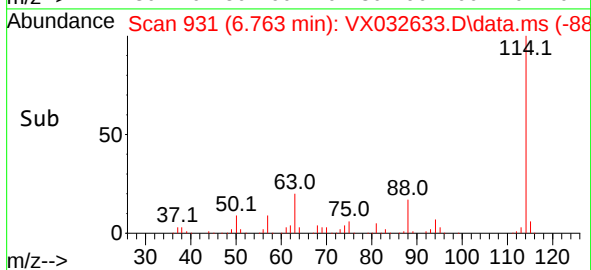
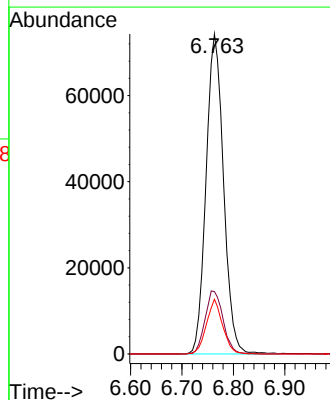
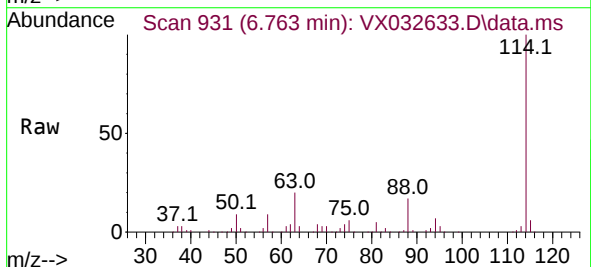
Instrument :
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 ClientSampleId :

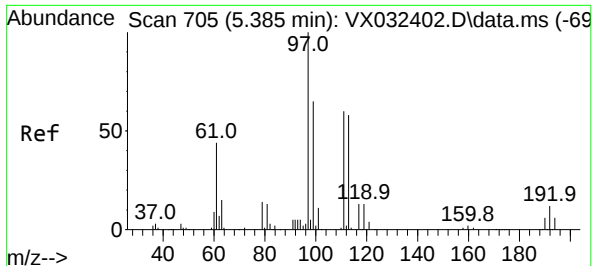
Tgt Ion: 65 Resp: 73666
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

Tgt Ion: 114 Resp: 175282
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.6
 88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.192 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

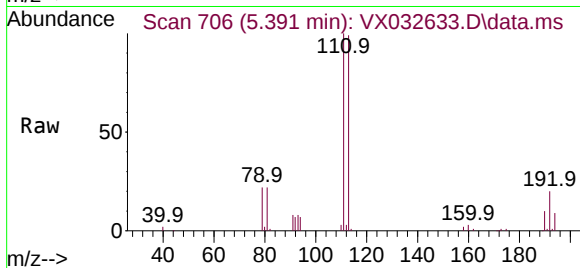
Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

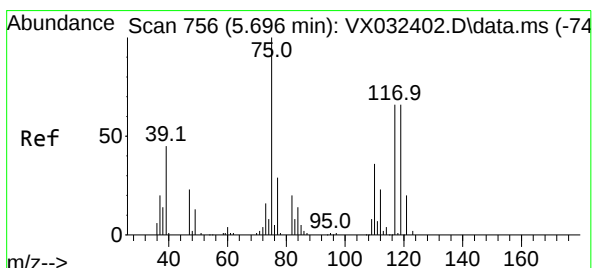
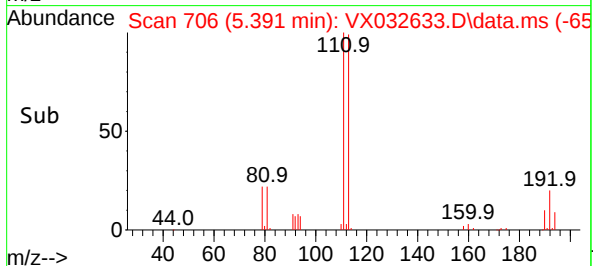
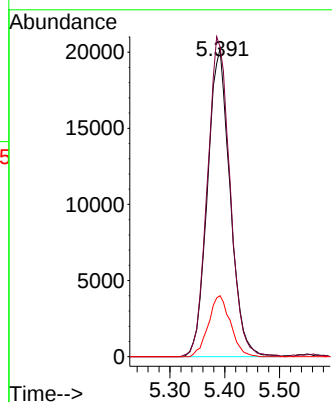
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	57754
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.4	123.6
192	19.4	15.4	23.2



#36

1,1-Dichloropropene

Concen: 4.704 ug/l

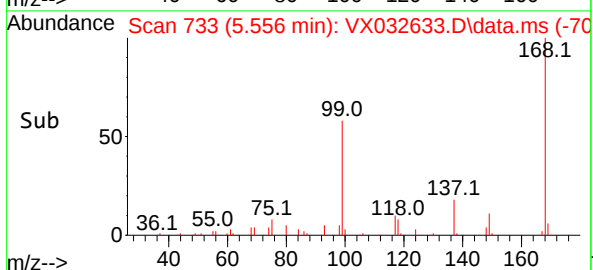
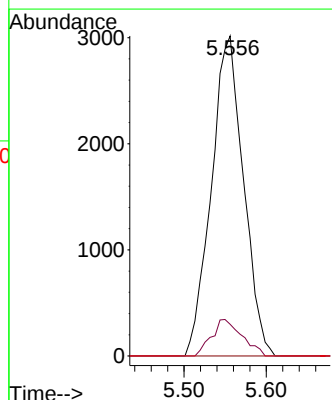
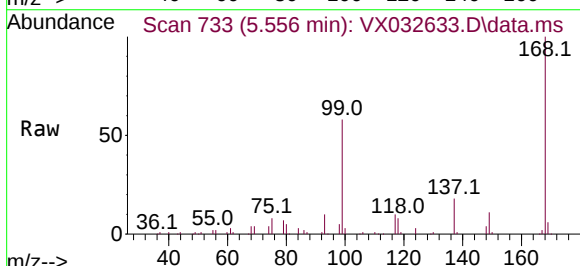
RT: 5.556 min Scan# 733

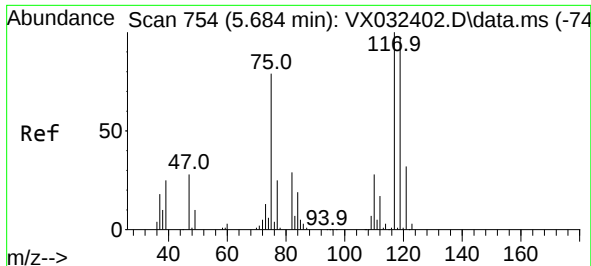
Delta R.T. -0.140 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

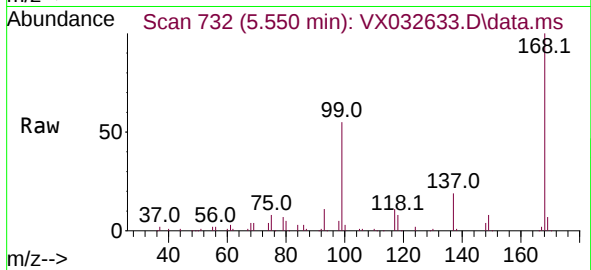
Tgt Ion:	75	Resp:	8191
Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.4	55.2#
77	0.0	24.5	36.7#



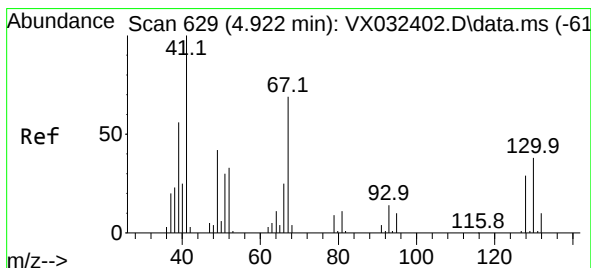
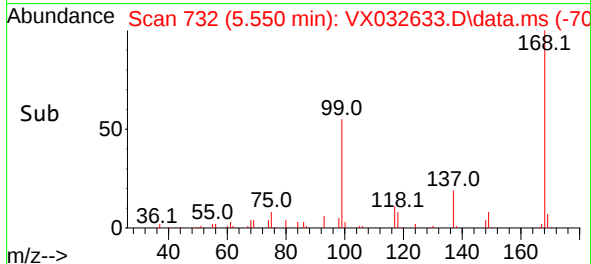
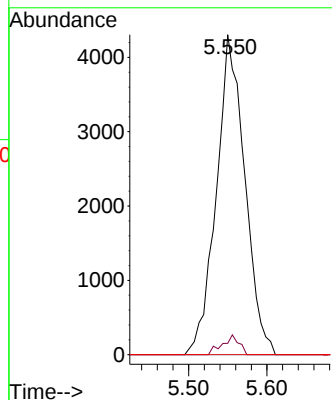


#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Instrument :
MSVOA_X
ClientSampleId :

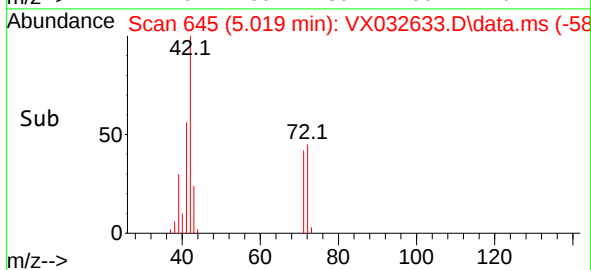
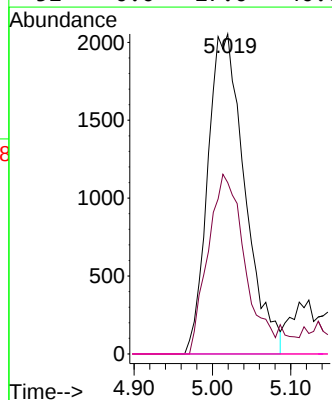
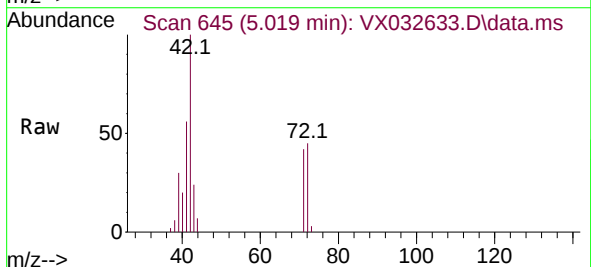


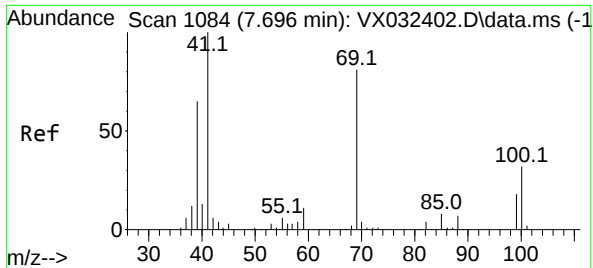
Tgt Ion:117 Resp: 10871
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 7.325 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion: 41 Resp: 6763
Ion Ratio Lower Upper
41 100
39 55.9 47.5 71.3
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#





#48

Methyl methacrylate

Concen: 0.718 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.085 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

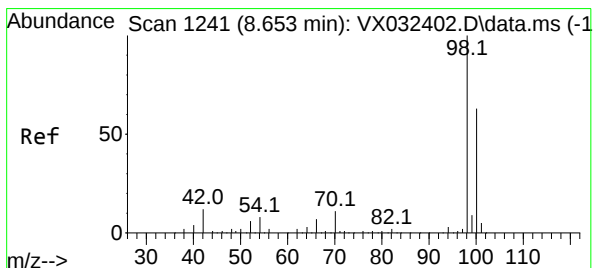
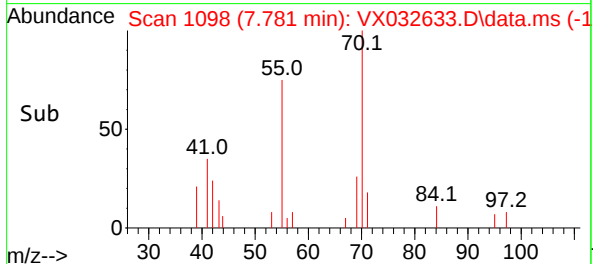
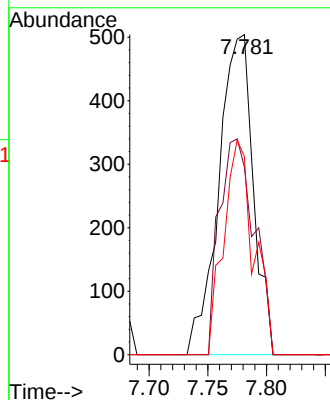
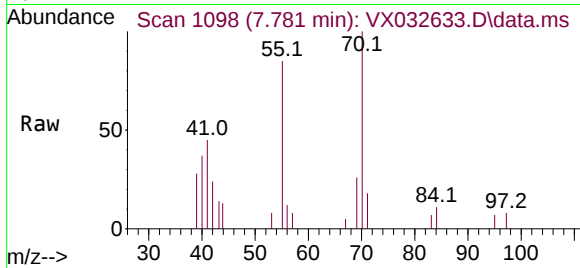
Tgt Ion: 41 Resp: 1032

Ion Ratio Lower Upper

41 100

69 68.3 65.1 97.7

39 58.4 51.9 77.9



#50

Toluene-d8

Concen: 48.429 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX032633.D

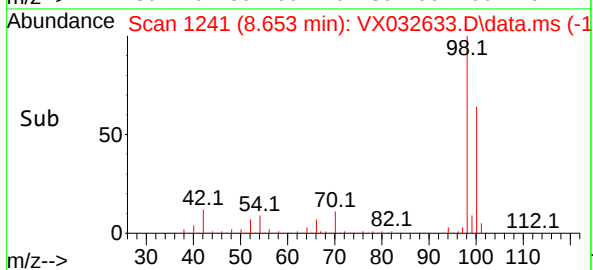
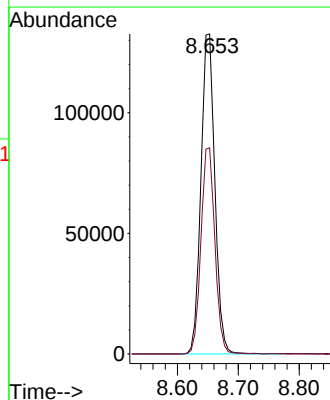
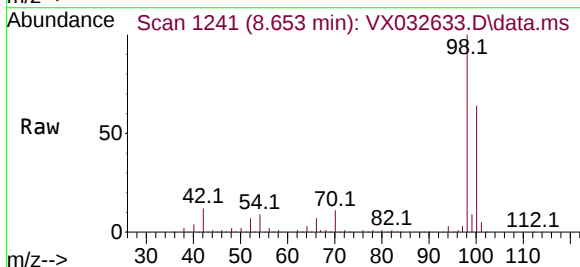
Acq: 07 Nov 2022 17:34

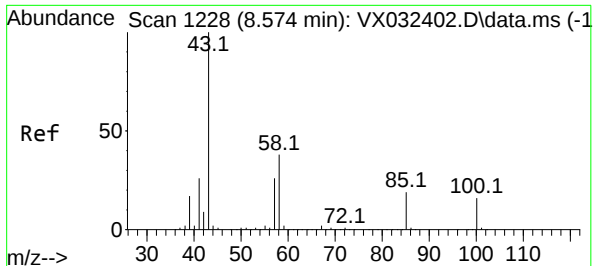
Tgt Ion: 98 Resp: 210550

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3

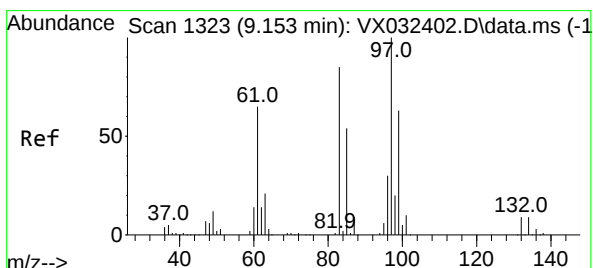
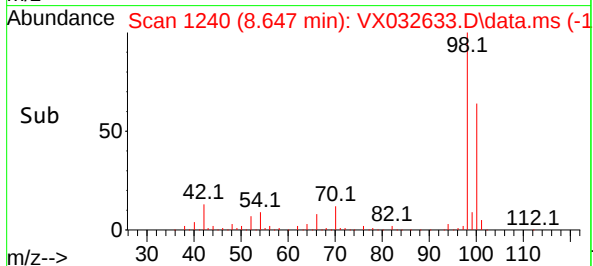
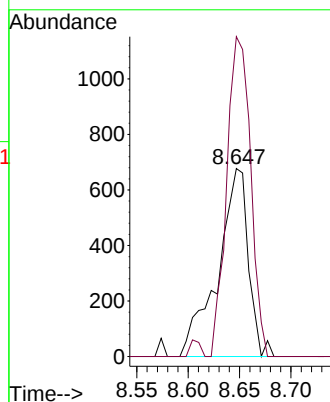
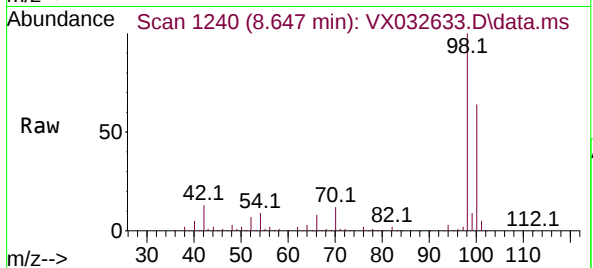




#51
4-Methyl-2-Pentanone
Concen: 0.800 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

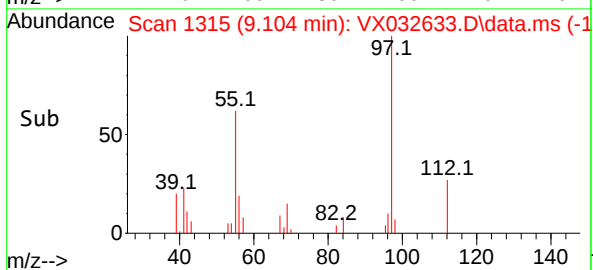
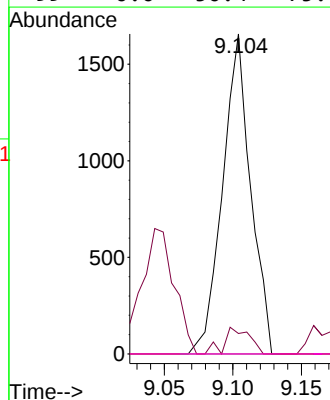
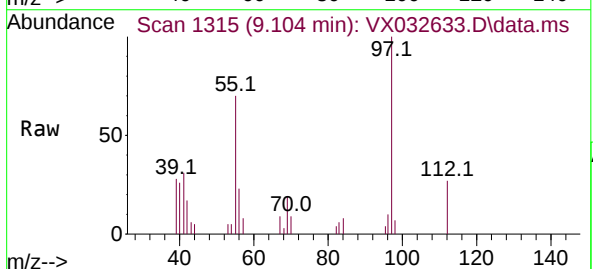
Instrument :
MSVOA_X
ClientSampleId :

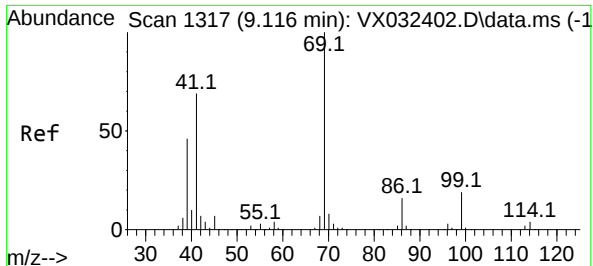
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 132.9 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 1.741 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion: 97 Resp: 2357
Ion Ratio Lower Upper
97 100
83 6.4 68.1 102.1#
85 0.0 43.3 64.9#
99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.341 ug/l

RT: 9.104 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

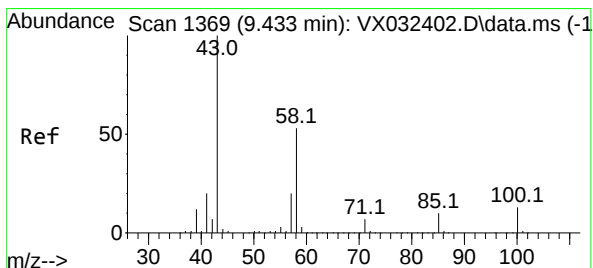
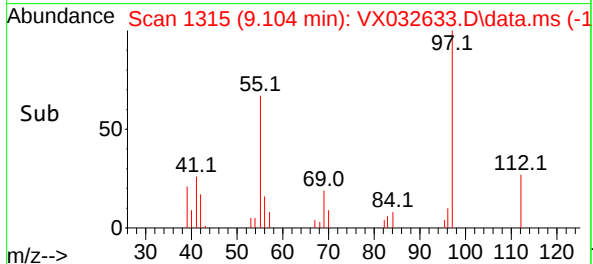
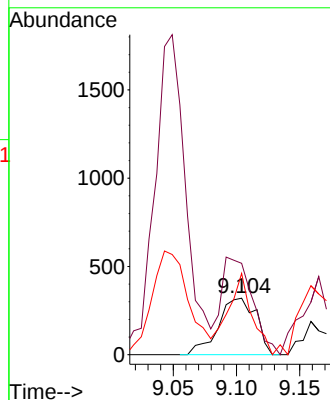
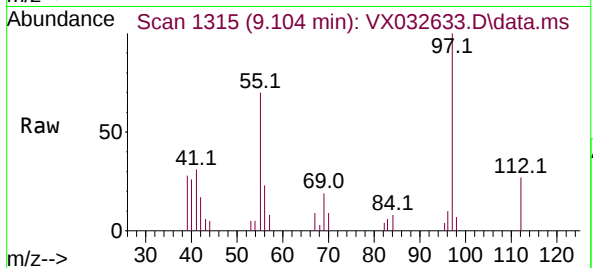
Tgt Ion: 69 Resp: 665

Ion Ratio Lower Upper

69 100

41 142.3 54.3 81.5#

39 91.7 35.2 52.8#



#59

2-Hexanone

Concen: 0.388 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. -0.189 min

Lab File: VX032633.D

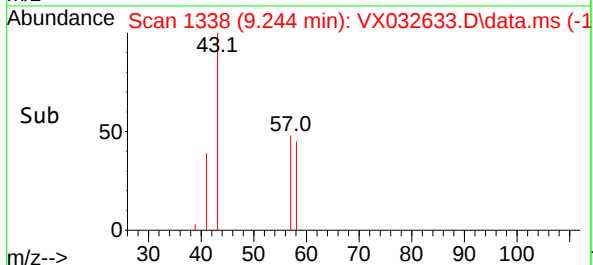
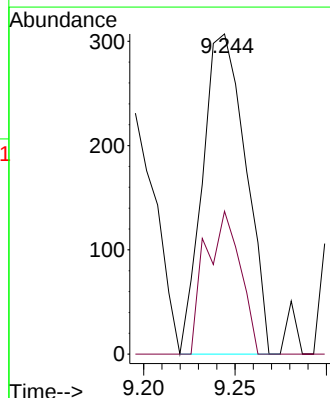
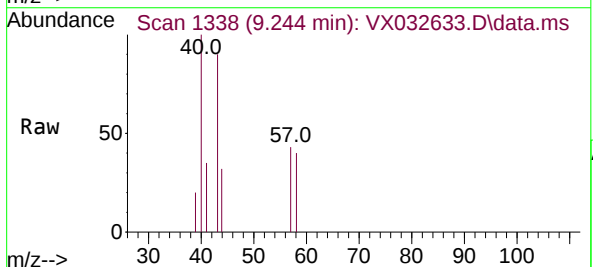
Acq: 07 Nov 2022 17:34

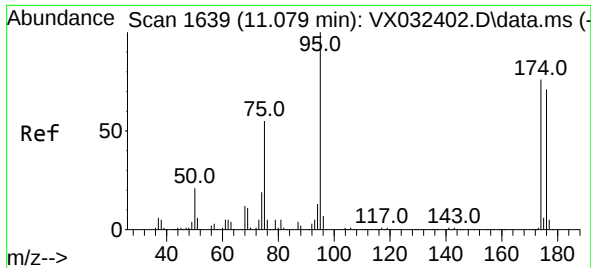
Tgt Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

58 35.8 26.5 79.5

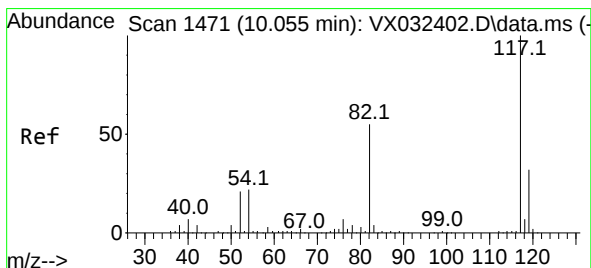
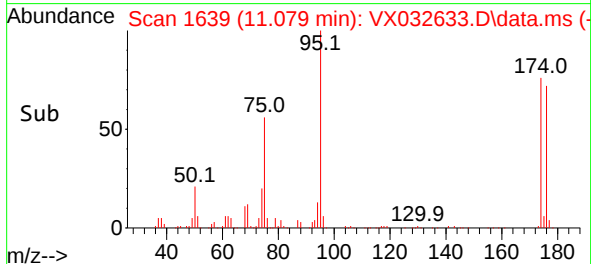
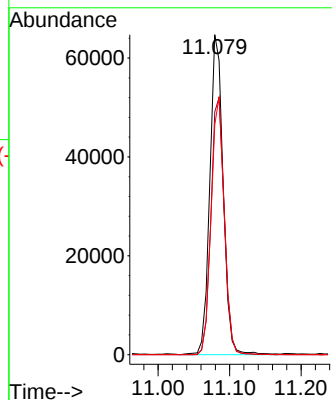
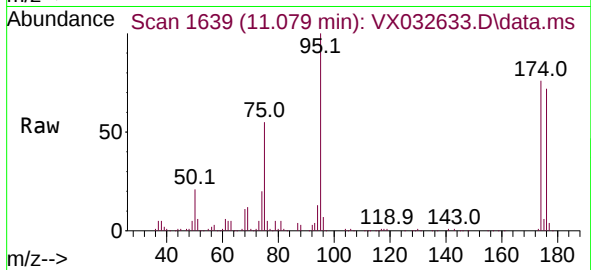




#62
4-Bromofluorobenzene
Concen: 49.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

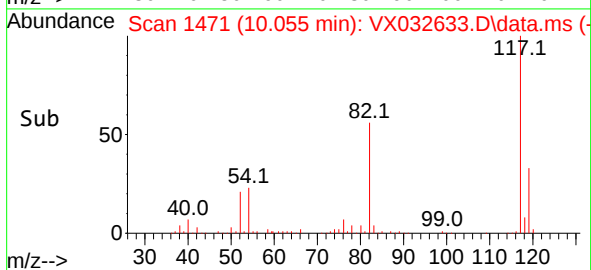
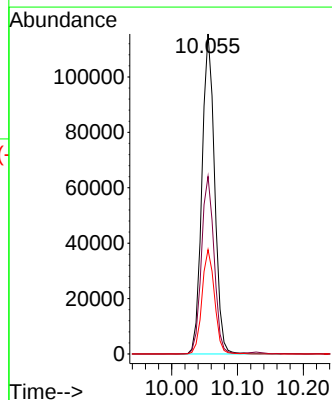
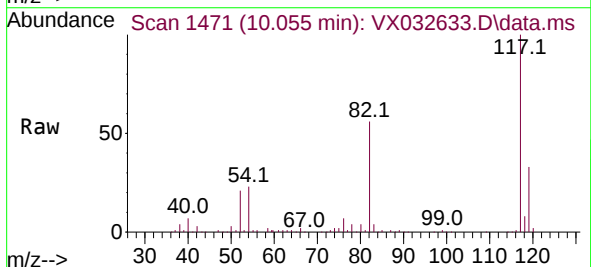
Instrument :
MSVOA_X
ClientSampleId :

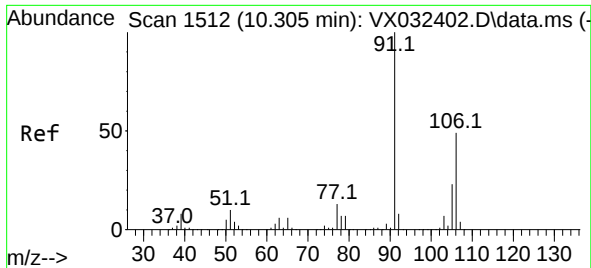
Tgt Ion: 95 Resp: 83628
Ion Ratio Lower Upper
95 100
174 80.7 0.0 164.0
176 79.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion: 117 Resp: 154749
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.6 25.7 38.5

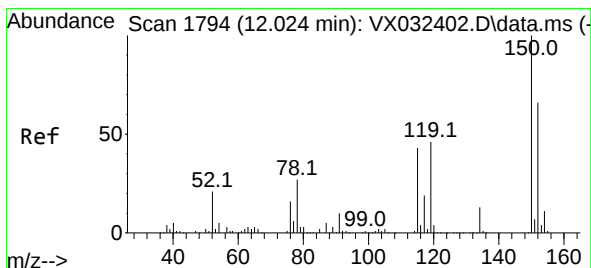
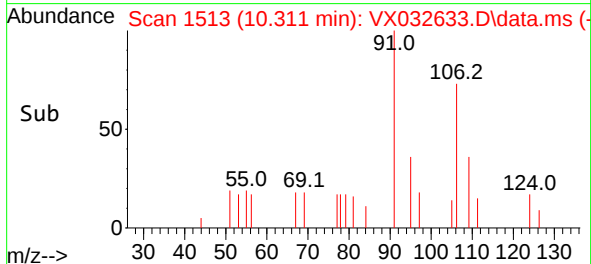
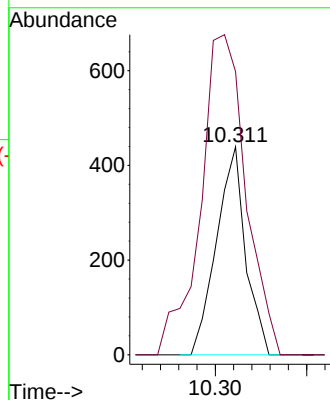
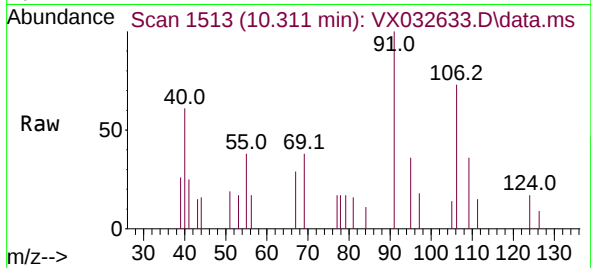




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

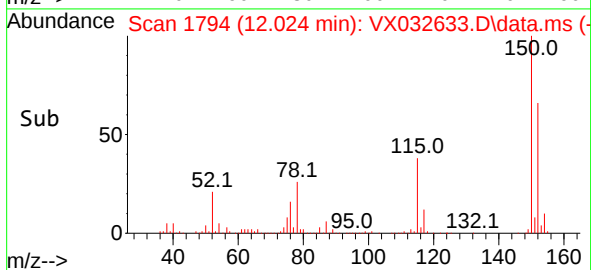
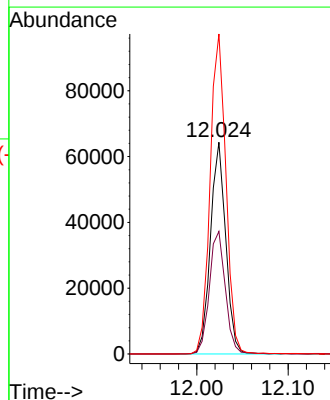
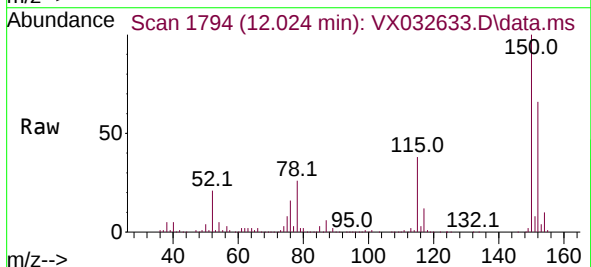
Instrument :
MSVOA_X
ClientSampleId :

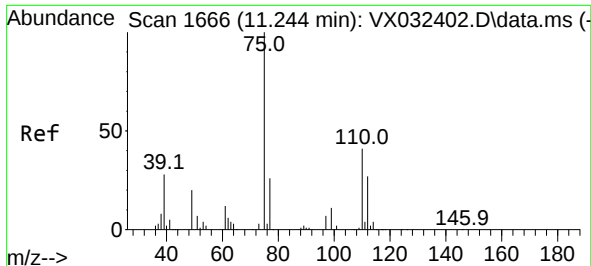
Tgt Ion:106 Resp: 485
Ion Ratio Lower Upper
106 100
91 240.2 164.5 246.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

Tgt Ion:152 Resp: 74703
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 156.1 0.0 351.8

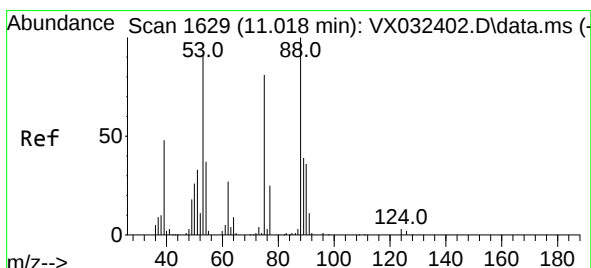
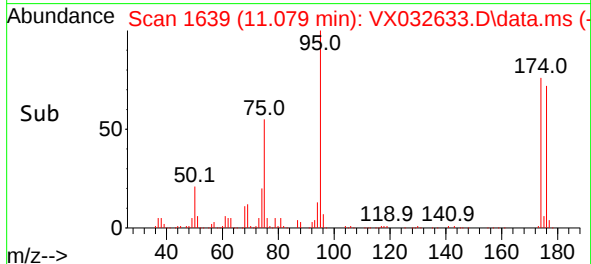
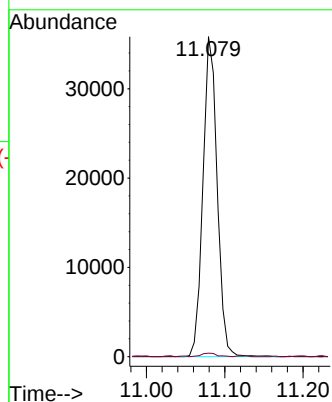
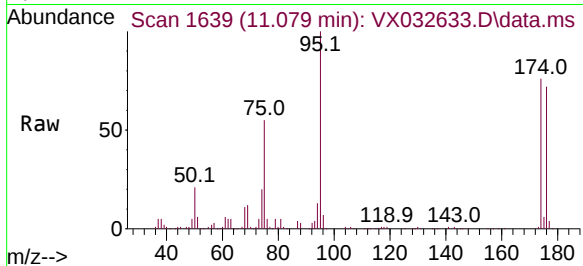




#76
1,2,3-Trichloropropane
Concen: 27.164 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

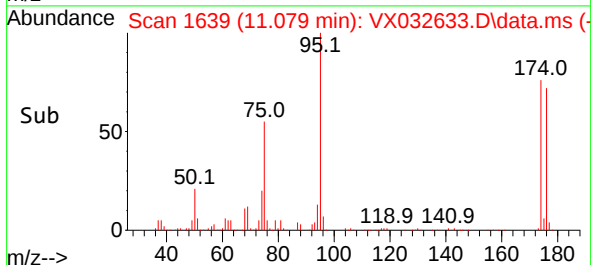
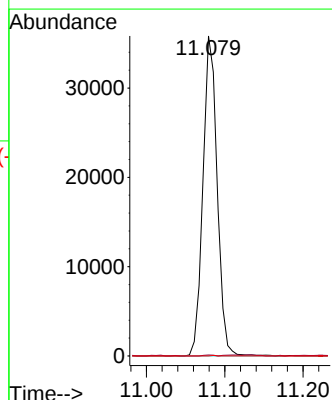
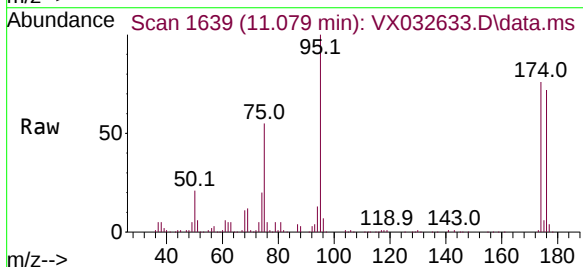
Instrument :
MSVOA_X
ClientSampleId :

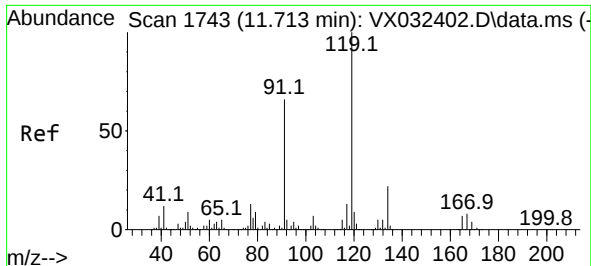
Tgt Ion: 75 Resp: 45145
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.436 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032633.D
Acq: 07 Nov 2022 17:34

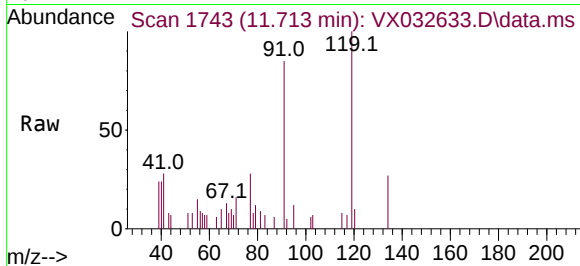
Tgt Ion: 75 Resp: 45145
Ion Ratio Lower Upper
75 100
53 0.2 86.9 130.3#
89 0.1 38.3 57.5#



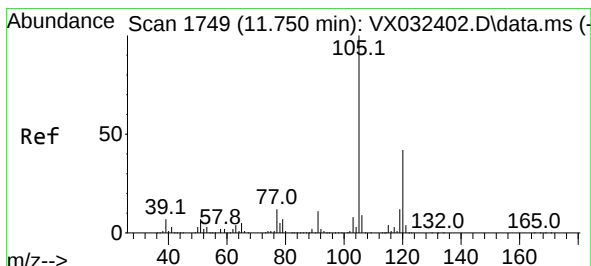
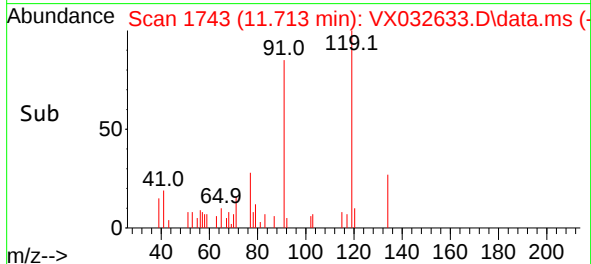
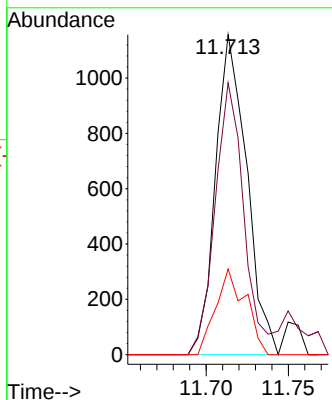


#83
 tert-Butylbenzene
 Concen: 0.302 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

Instrument :
 MSVOA_X
 ClientSampleId :

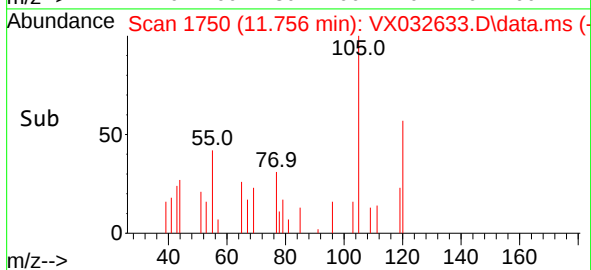
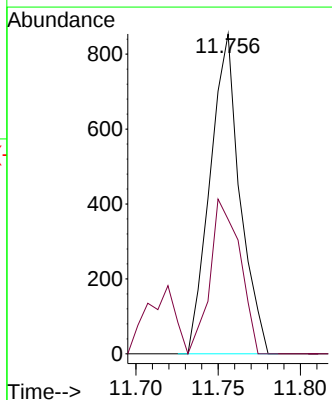
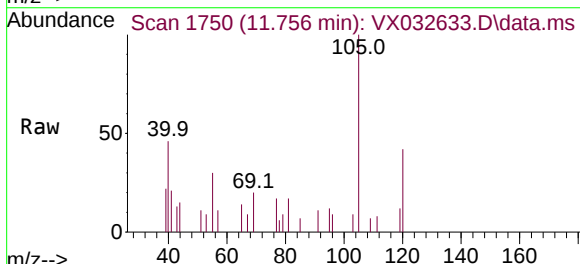


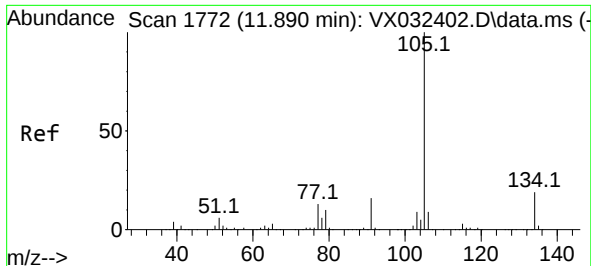
Tgt Ion:119 Resp: 1523
 Ion Ratio Lower Upper
 119 100
 91 78.2 29.4 88.2
 134 25.7 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.215 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

Tgt Ion:105 Resp: 1080
 Ion Ratio Lower Upper
 105 100
 120 48.1 21.9 65.5

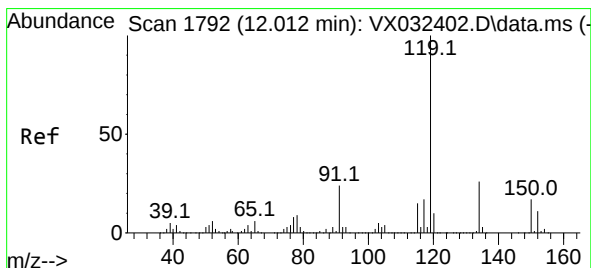
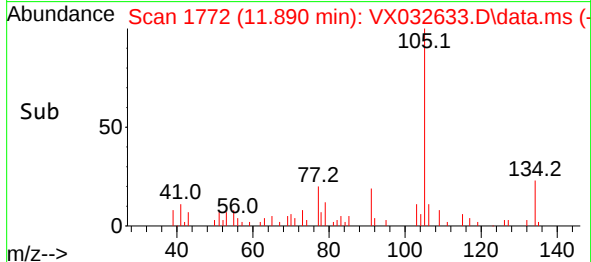
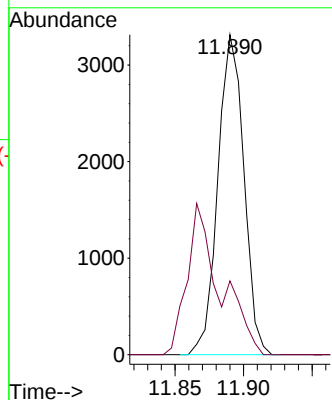
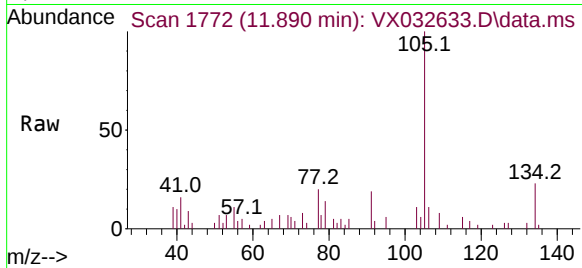




#85
 sec-Butylbenzene
 Concen: 0.718 ug/l
 RT: 11.890 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

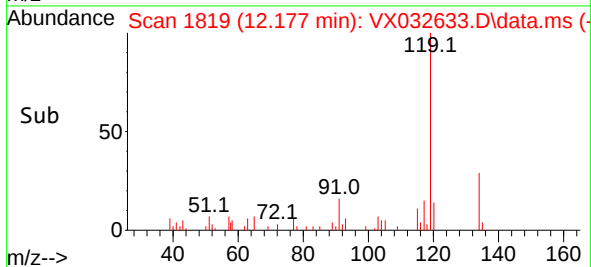
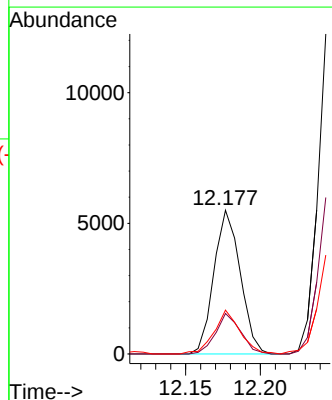
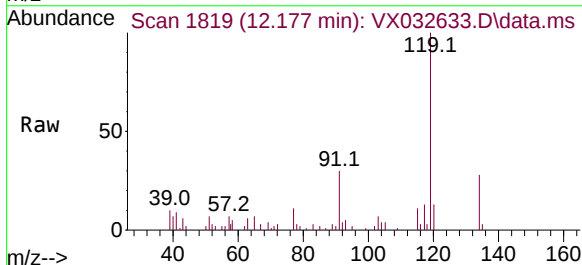
Instrument :
 MSVOA_X
 ClientSampleId :

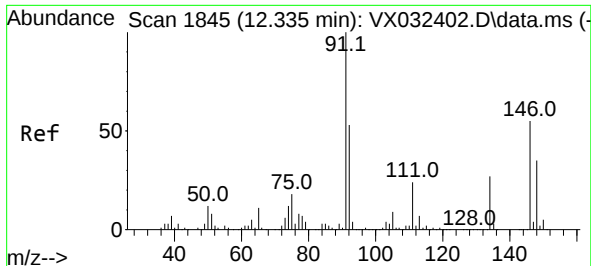
Tgt Ion:105 Resp: 4365
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 1.307 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX032633.D
 Acq: 07 Nov 2022 17:34

Tgt Ion:119 Resp: 6742
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 30.1 12.5 37.5





#89

n-Butylbenzene

Concen: 0.772 ug/l

RT: 12.311 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

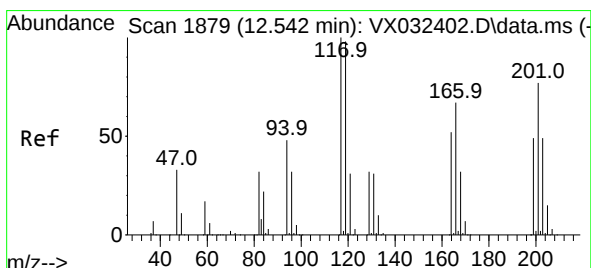
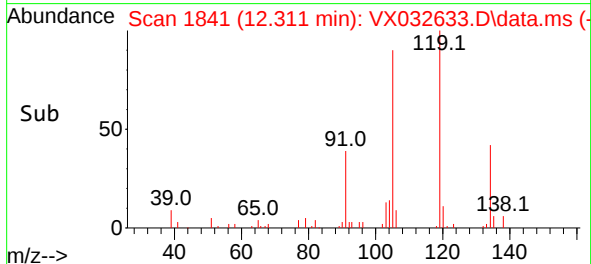
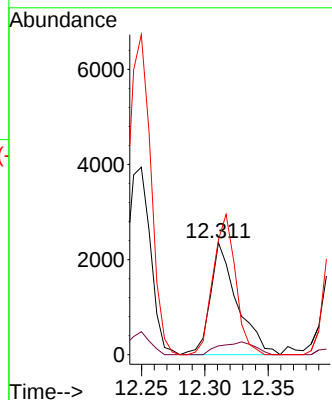
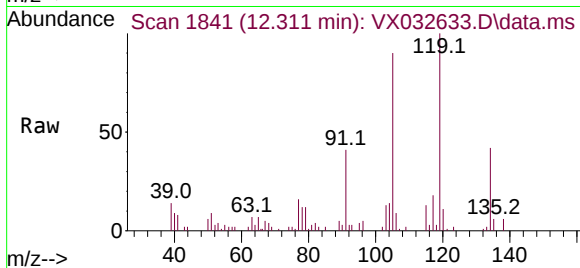
Tgt Ion: 91 Resp: 3465

Ion Ratio Lower Upper

91 100

92 15.1 26.2 78.6#

134 105.5 12.9 38.6#



#90

Hexachloroethane

Concen: 3.071 ug/l

RT: 12.408 min Scan# 1857

Delta R.T. -0.134 min

Lab File: VX032633.D

Acq: 07 Nov 2022 17:34

Tgt Ion: 117 Resp: 2587

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#

