

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044060.D
 Acq On : 02 Dec 2024 12:58
 Operator : JC/MD
 Sample : P5021-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:18:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

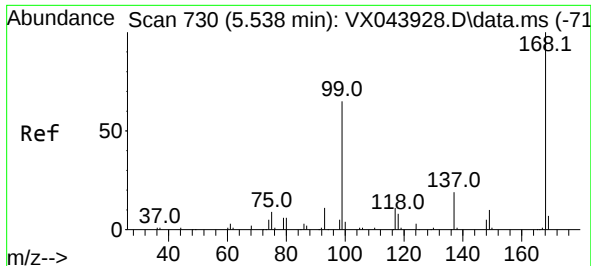
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	121483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	237218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107855	51.763	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.520%	
35) Dibromofluoromethane	5.379	113	78566	46.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.700%	
50) Toluene-d8	8.647	98	288141	49.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	11.079	95	99324	49.949	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	634	0.598	ug/l #	30
6) Chloroethane	1.685	64	766	0.730	ug/l #	66
11) Tert butyl alcohol	3.014	59	176	0.526	ug/l #	73
13) Acrolein	2.331	56	11566	32.810	ug/l #	82
14) Allyl chloride	2.770	41	49765	21.757	ug/l #	63
16) Acetone	2.386	43	2775	2.900	ug/l #	88
17) Carbon Disulfide	2.508	76	1659	0.575	ug/l #	93
18) Methyl Acetate	2.770	43	107516	48.243	ug/l #	52
20) Methylene Chloride	2.788	84	531	0.327	ug/l #	1
29) Tetrahydrofuran	5.099	42	350	0.462	ug/l #	32
30) Chloroform	5.147	83	802	0.264	ug/l #	61
31) Cyclohexane	5.611	56	40631	17.496	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	11198	5.302	ug/l #	46
38) Carbon Tetrachloride	5.538	117	14643	6.170	ug/l #	17
39) Methylcyclohexane	7.354	83	2672	0.974	ug/l #	40
51) 4-Methyl-2-Pentanone	8.604	43	992	0.390	ug/l #	37
55) 1,1,2-Trichloroethane	9.098	97	4854	2.986	ug/l #	18
56) Ethyl methacrylate	9.092	69	1575	0.622	ug/l #	24
59) 2-Hexanone	9.464	43	861	0.450	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	56790	29.097	ug/l #	35
78) n-propylbenzene	11.305	91	2072	0.271	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	1869	0.332	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	56790	79.398	ug/l #	6
83) tert-Butylbenzene	11.713	119	1880	0.337	ug/l	89
85) sec-Butylbenzene	11.884	105	2256	0.330	ug/l #	57
86) p-Isopropyltoluene	12.177	119	6165	1.110	ug/l	91
89) n-Butylbenzene	12.311	91	5519	1.127	ug/l #	9
90) Hexachloroethane	12.695	117	71414	75.641	ug/l #	18
95) Naphthalene	13.774	128	13084	2.055	ug/l #	70

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

Quant Time: Dec 03 00:18:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

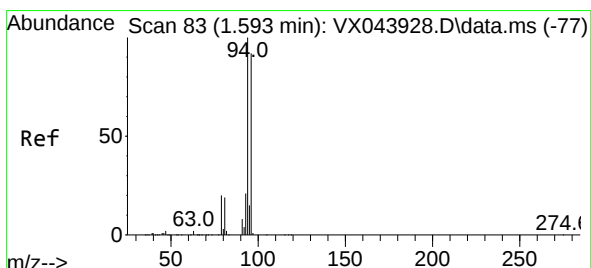
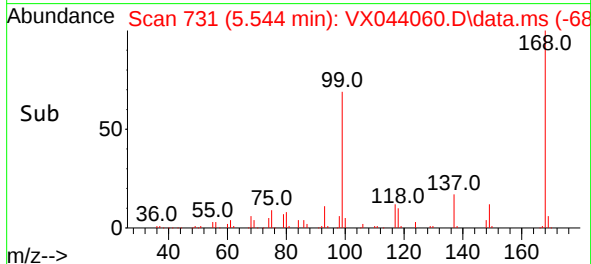
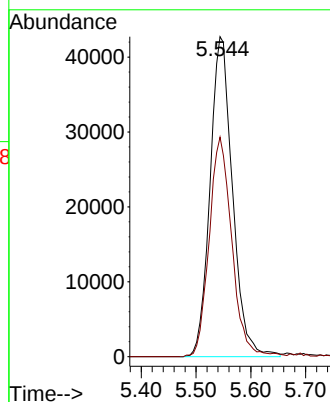
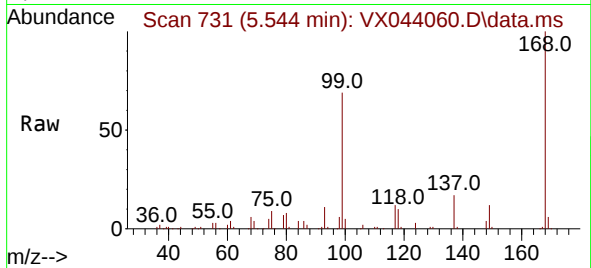




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

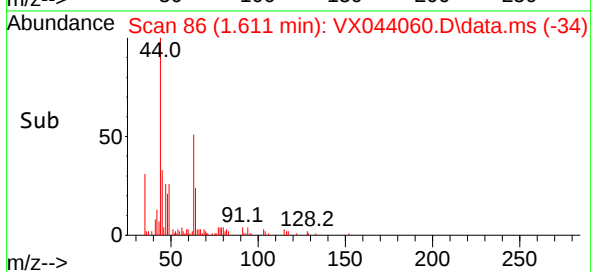
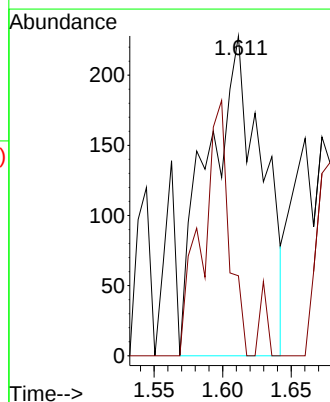
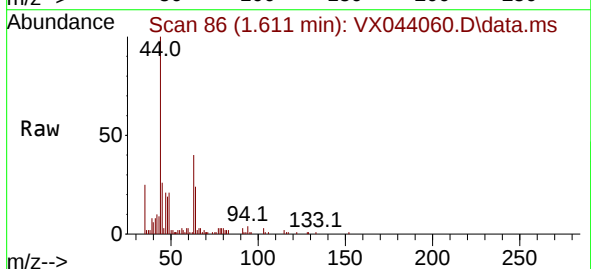
Instrument :
MSVOA_X
ClientSampleId :

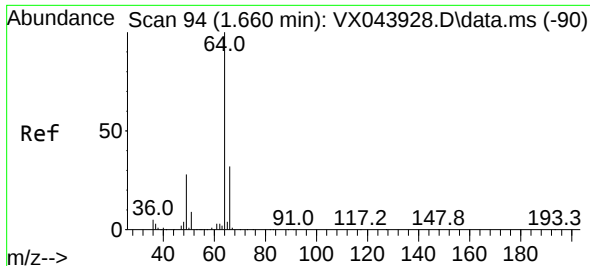
Tgt Ion:168 Resp: 121483
Ion Ratio Lower Upper
168 100
99 68.6 51.8 77.8



#5
Bromomethane
Concen: 0.598 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 94 Resp: 634
Ion Ratio Lower Upper
94 100
96 25.0 73.9 110.9#

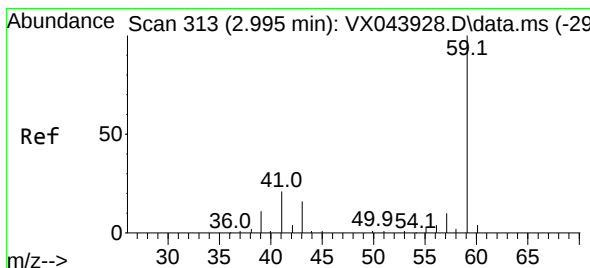
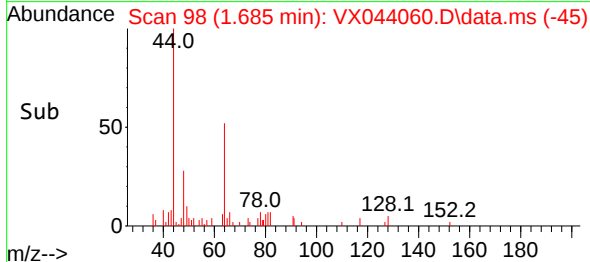
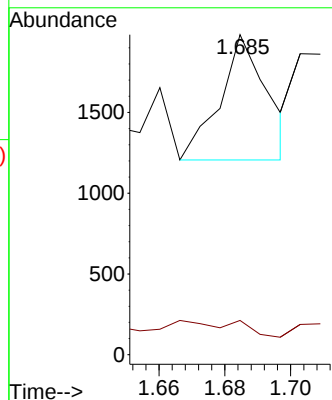
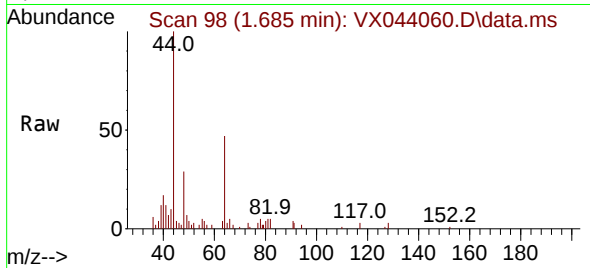




#6
Chloroethane
Concen: 0.730 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

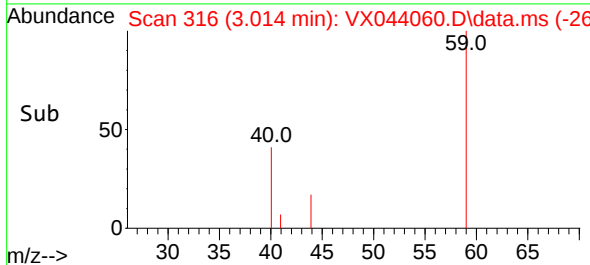
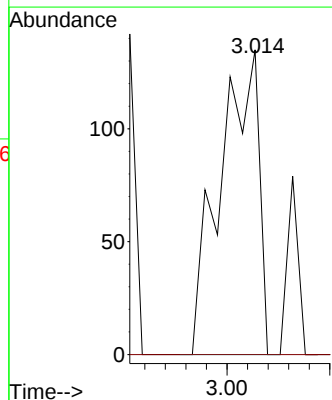
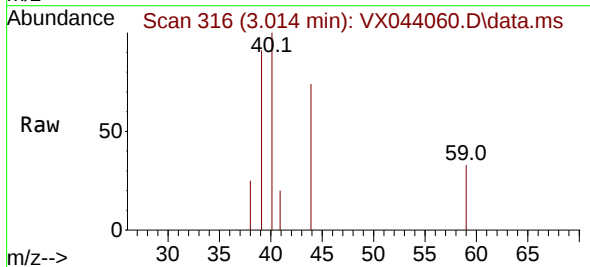
Instrument :
MSVOA_X
ClientSampleId :

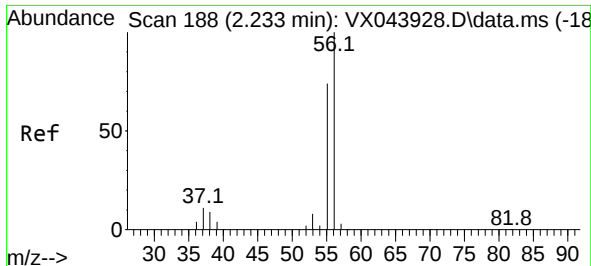
Tgt Ion: 64 Resp: 766
Ion Ratio Lower Upper
64 100
66 13.4 25.9 38.9#



#11
Tert butyl alcohol
Concen: 0.526 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.018 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#13

Acrolein

Concen: 32.810 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.097 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

Instrument :

MSVOA_X

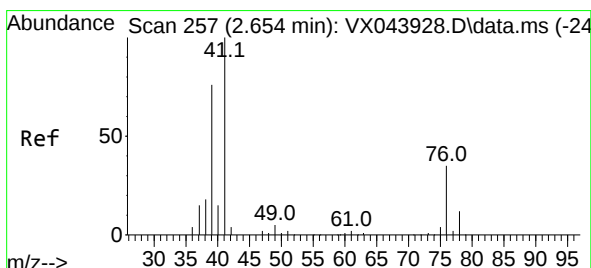
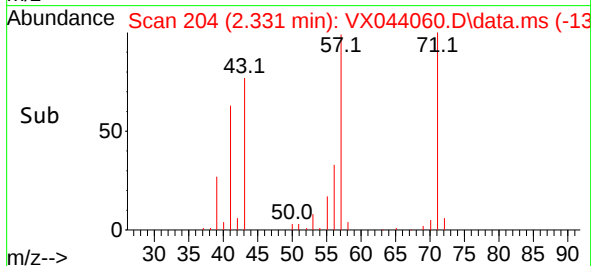
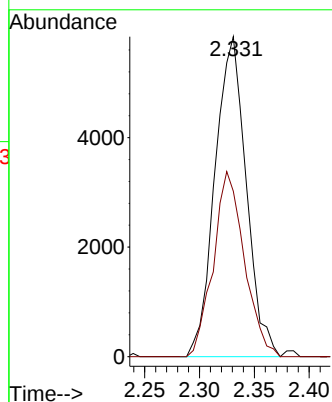
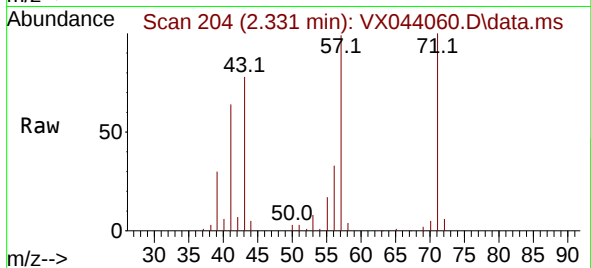
ClientSampleId :

Tgt Ion: 56 Resp: 11566

Ion Ratio Lower Upper

56 100

55 57.5 58.2 87.2#



#14

Allyl chloride

Concen: 21.757 ug/l

RT: 2.770 min Scan# 276

Delta R.T. 0.116 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

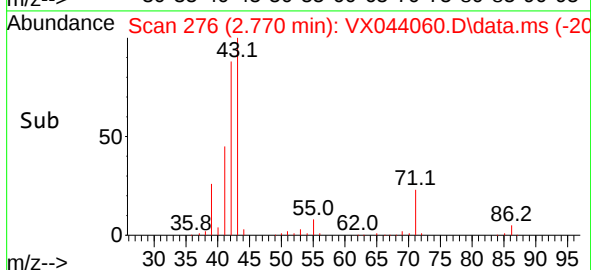
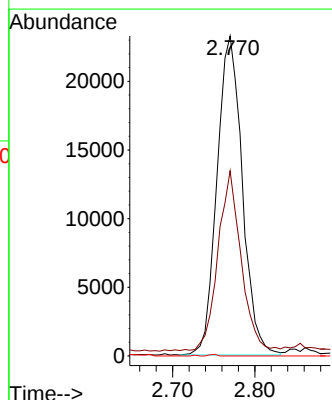
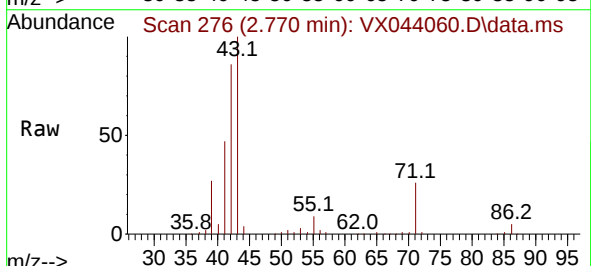
Tgt Ion: 41 Resp: 49765

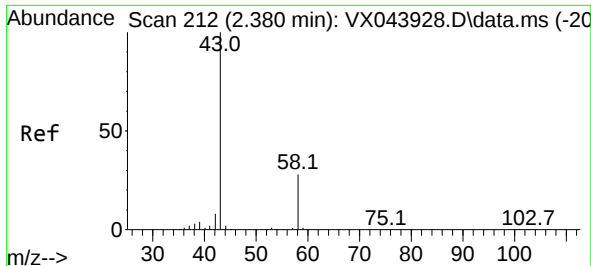
Ion Ratio Lower Upper

41 100

39 52.1 59.5 89.3#

76 0.2 27.4 41.2#





#16

Acetone

Concen: 2.900 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

Instrument :

MSVOA_X

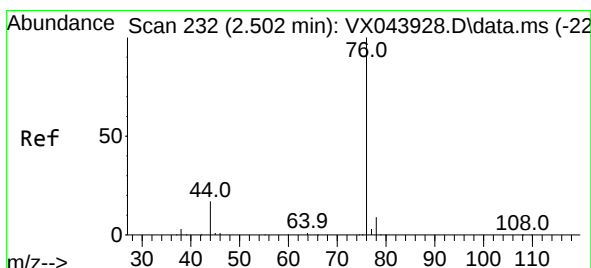
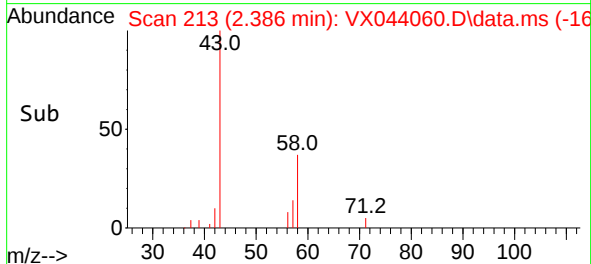
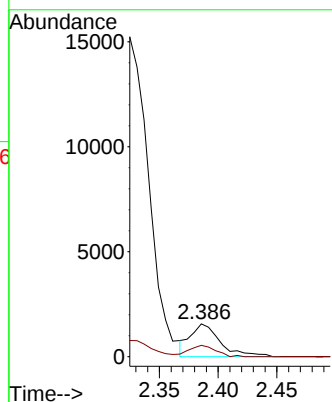
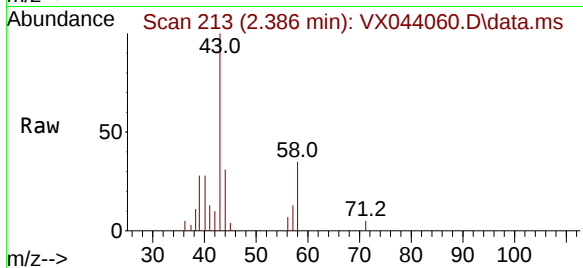
ClientSampleId :

Tgt Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

58 34.6 22.7 34.1#



#17

Carbon Disulfide

Concen: 0.575 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX044060.D

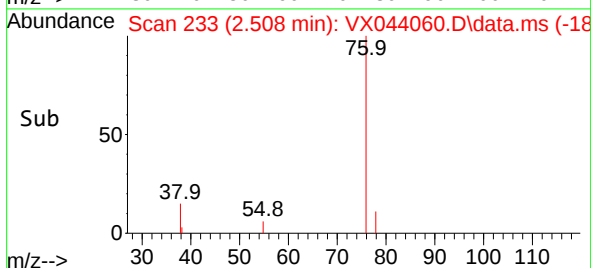
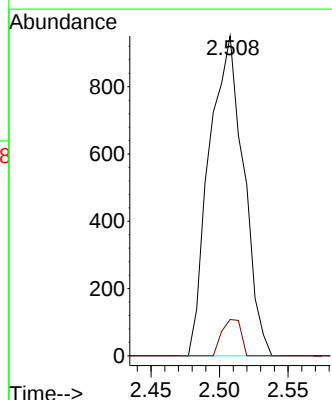
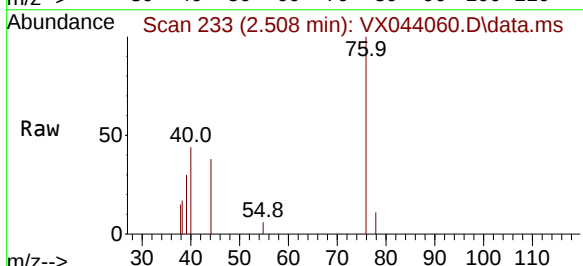
Acq: 02 Dec 2024 12:58

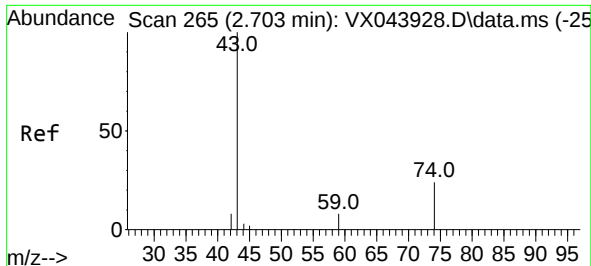
Tgt Ion: 76 Resp: 1659

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.6#

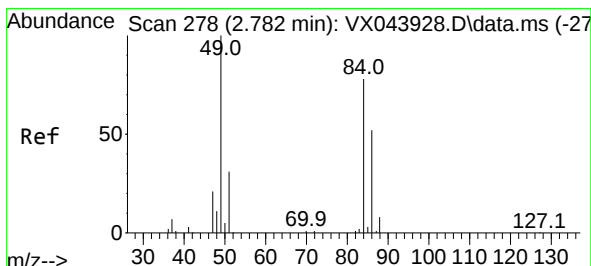
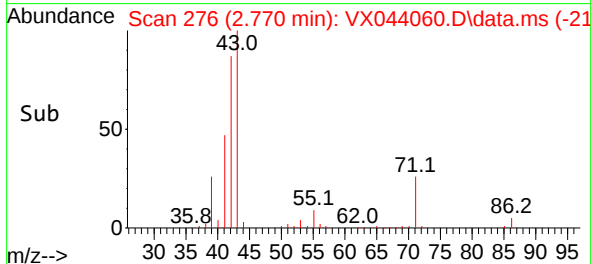
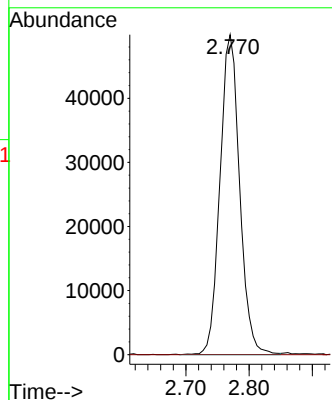
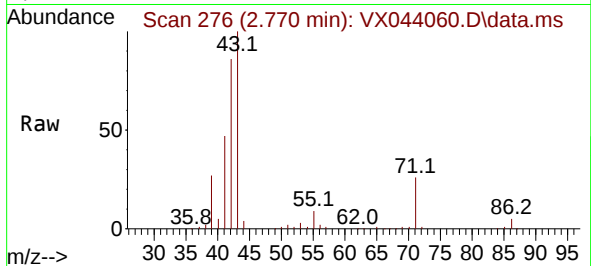




#18
Methyl Acetate
Concen: 48.243 ug/l
RT: 2.770 min Scan# 21
Delta R.T. 0.067 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

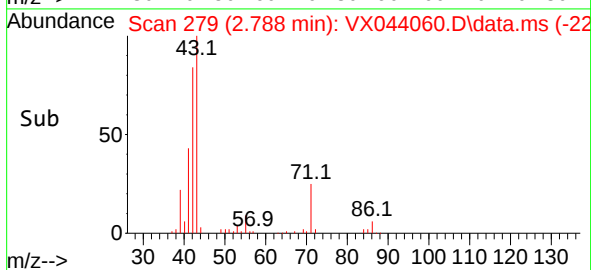
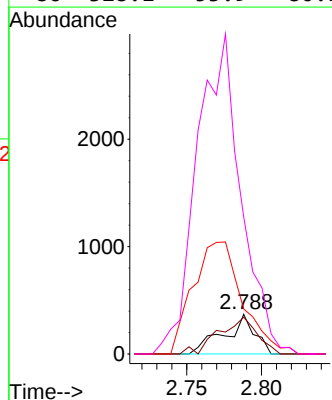
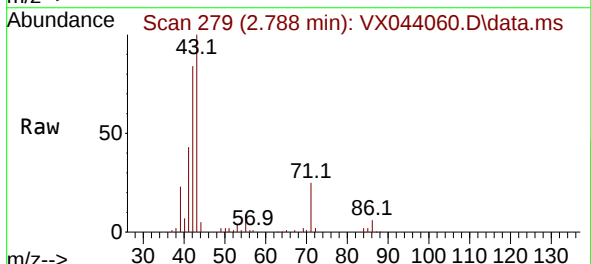
Instrument :
MSVOA_X
ClientSampleId :

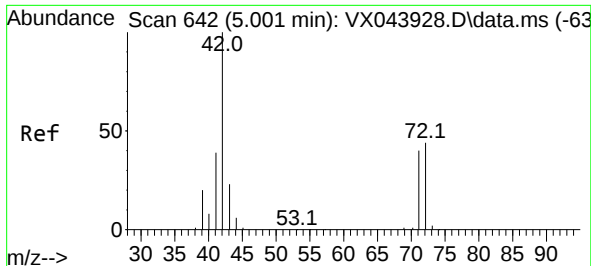
Tgt Ion: 43 Resp: 107516
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 84 Resp: 531
Ion Ratio Lower Upper
84 100
49 92.7 102.7 154.1#
51 98.1 31.7 47.5#
86 328.1 53.9 80.9#





#29

Tetrahydrofuran

Concen: 0.462 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.097 min

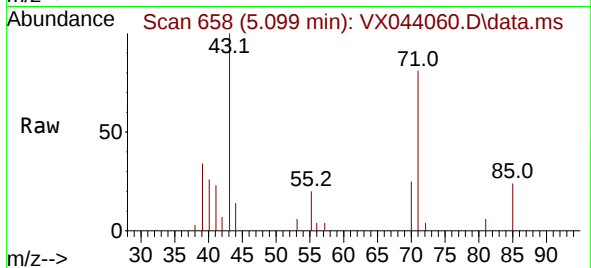
Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

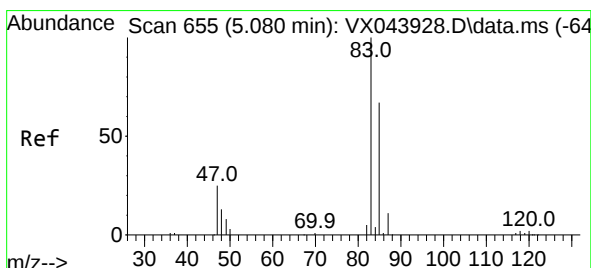
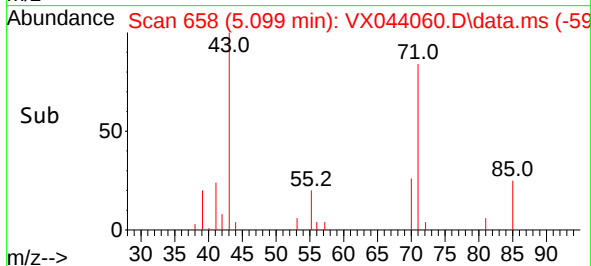
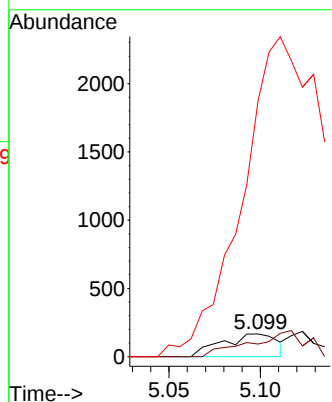
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	350
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.4	54.6#
71	0.0	33.4	50.0#



#30

Chloroform

Concen: 0.264 ug/l

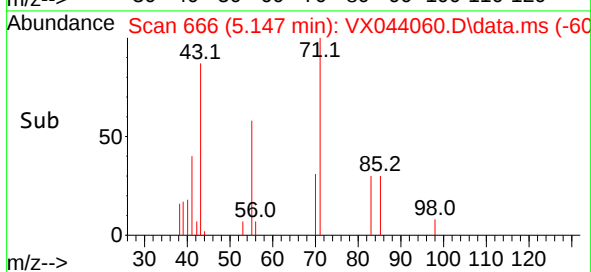
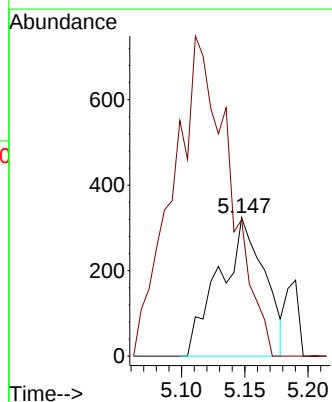
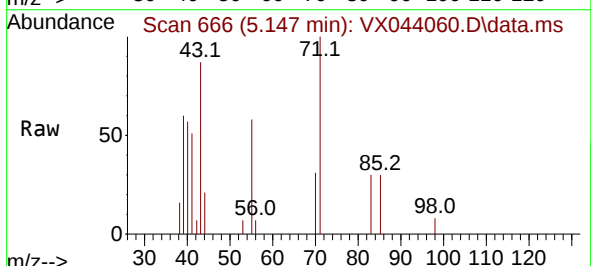
RT: 5.147 min Scan# 666

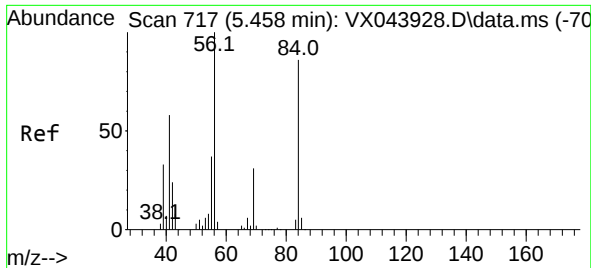
Delta R.T. 0.067 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

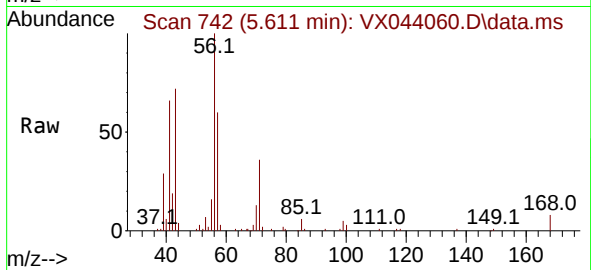
Tgt Ion:	83	Resp:	802
Ion Ratio	Lower	Upper	
83	100		
85	98.5	53.5	80.3#



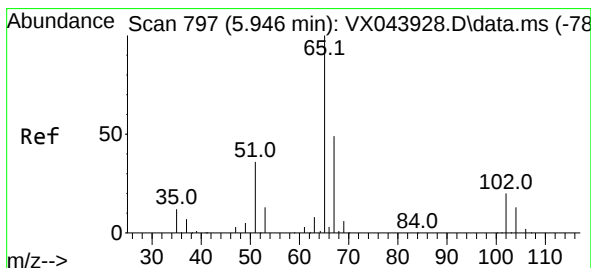
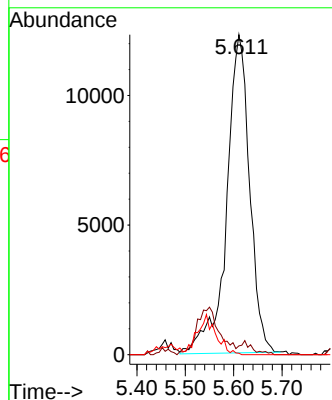
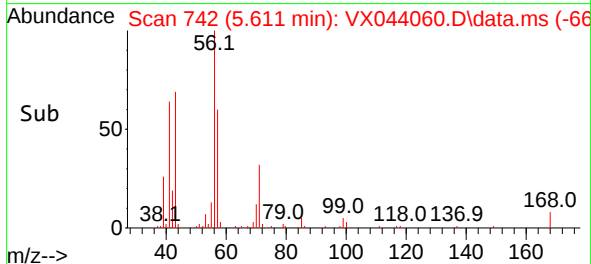


#31
Cyclohexane
Concen: 17.496 ug/l
RT: 5.611 min Scan# 742
Delta R.T. 0.152 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :

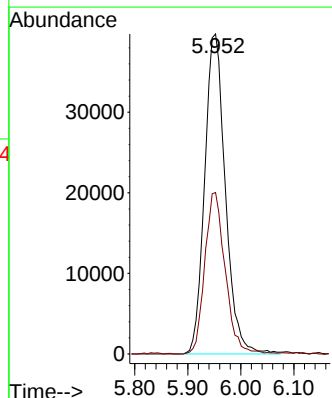
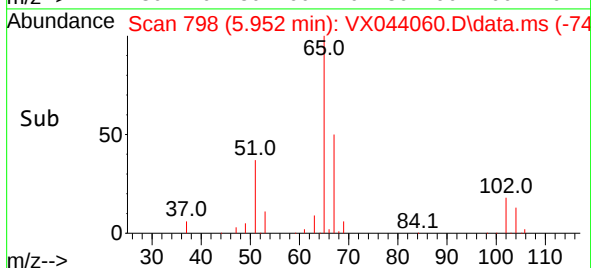
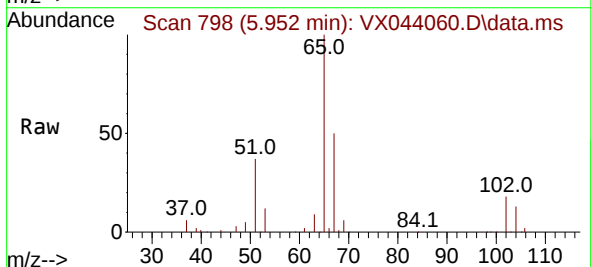


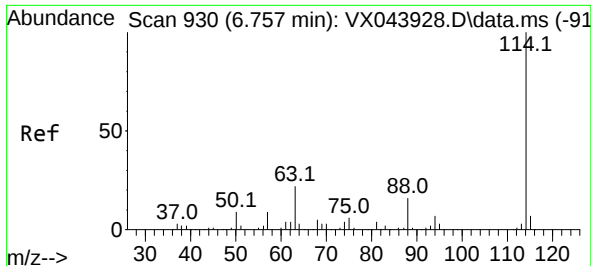
Tgt Ion: 56 Resp: 40631
Ion Ratio Lower Upper
56 100
69 2.8 24.7 37.1#
84 0.4 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 51.763 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 65 Resp: 107855
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.8

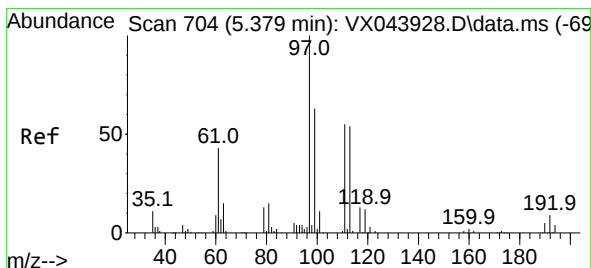
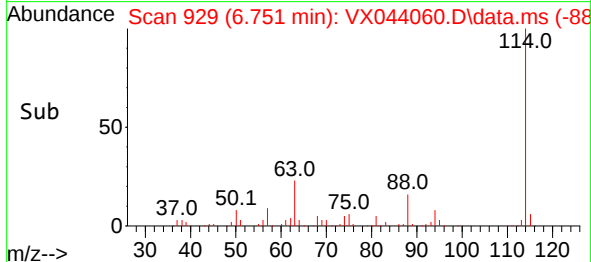
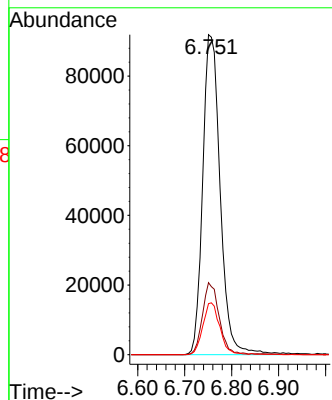
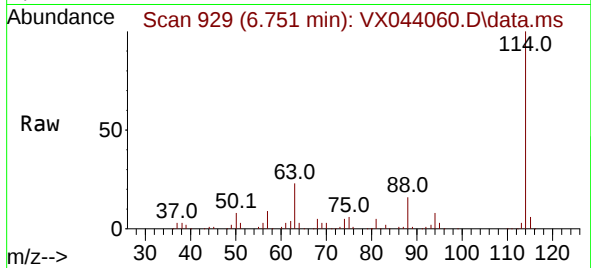




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

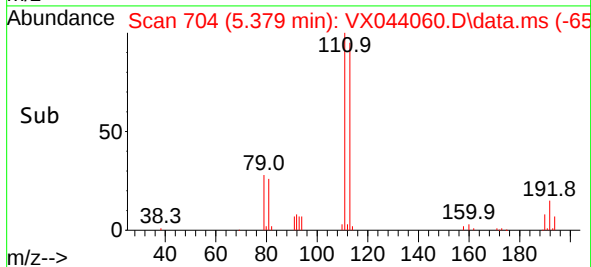
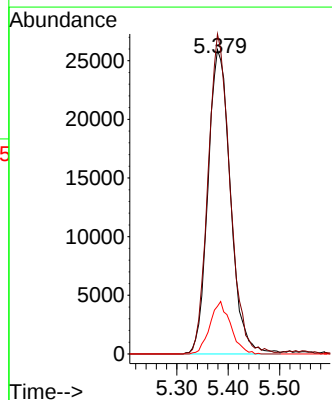
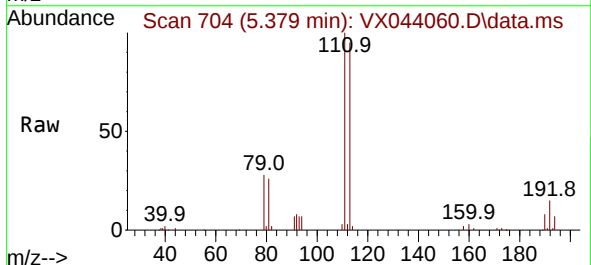
Instrument :
MSVOA_X
ClientSampleId :

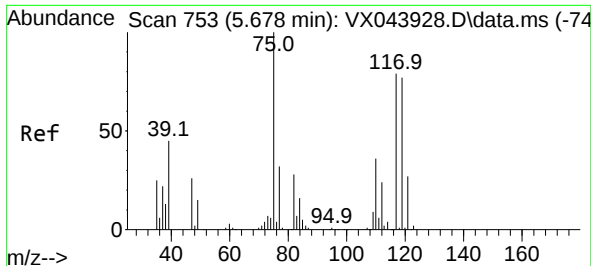
Tgt Ion:114 Resp: 237218
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.350 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

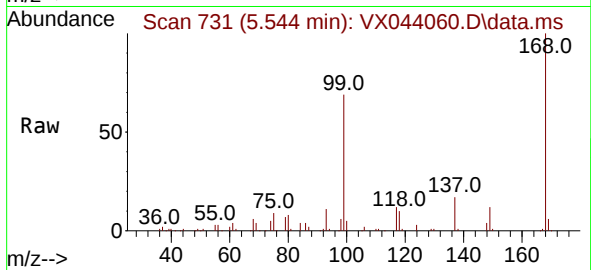
Tgt Ion:113 Resp: 78566
Ion Ratio Lower Upper
113 100
111 103.3 81.0 121.4
192 16.0 13.0 19.6



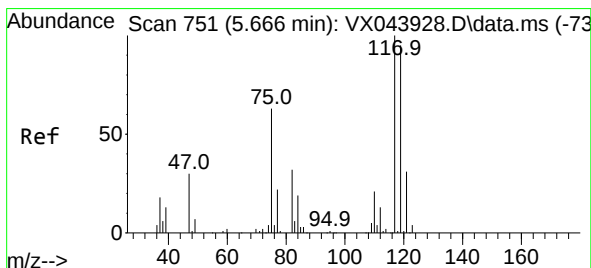
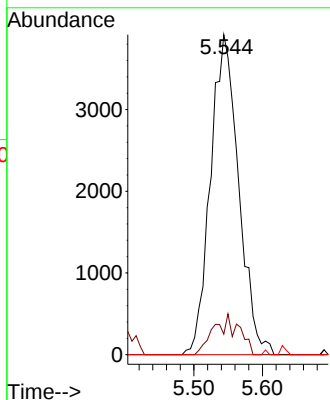
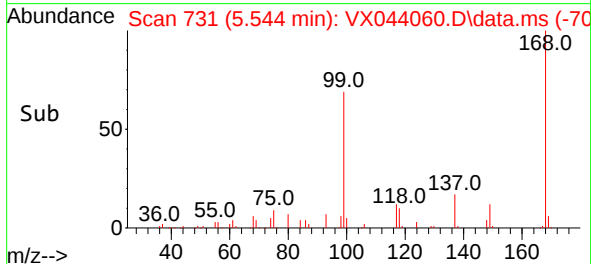


#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :

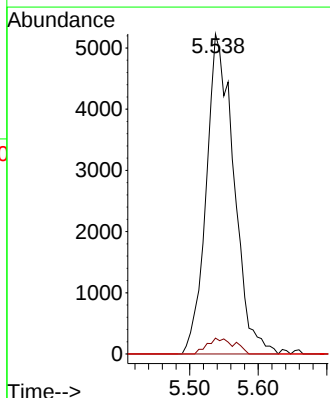
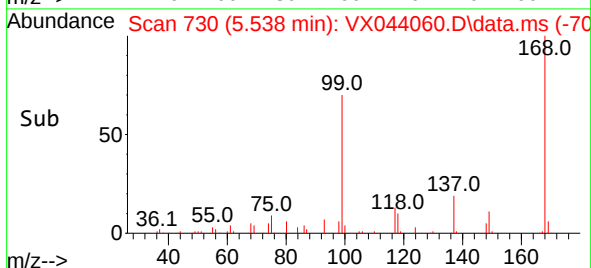
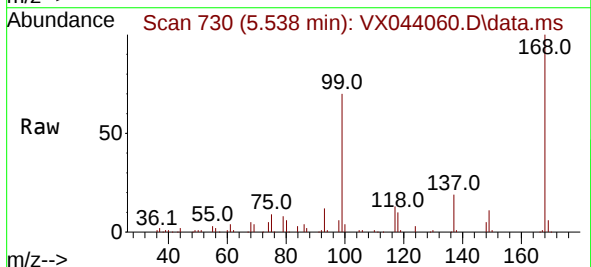


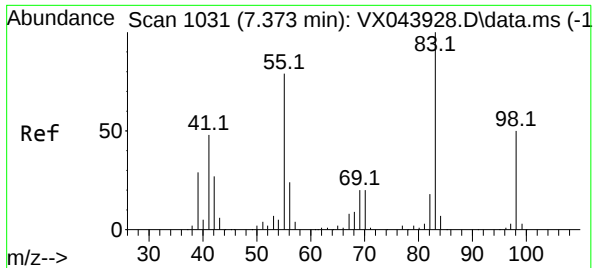
Tgt Ion: 75 Resp: 11198
Ion Ratio Lower Upper
75 100
110 5.4 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.170 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

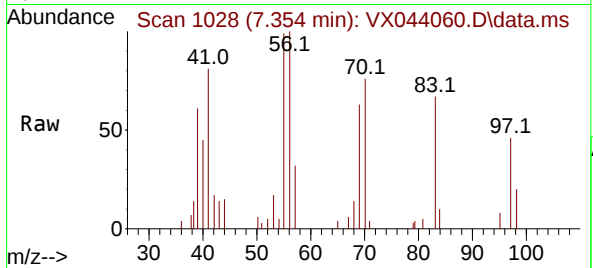
Tgt Ion: 117 Resp: 14643
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.5 36.7#



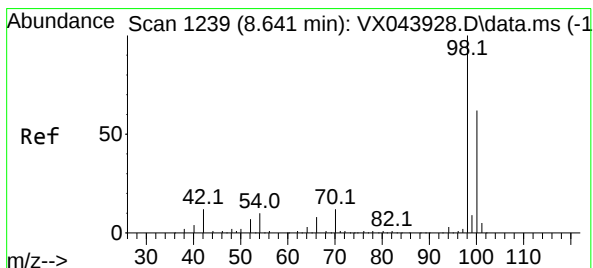
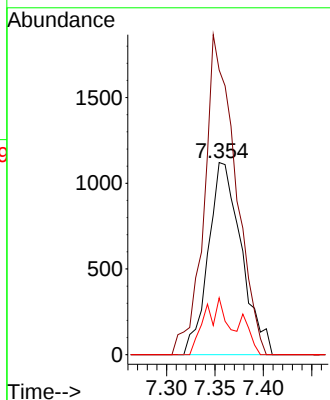
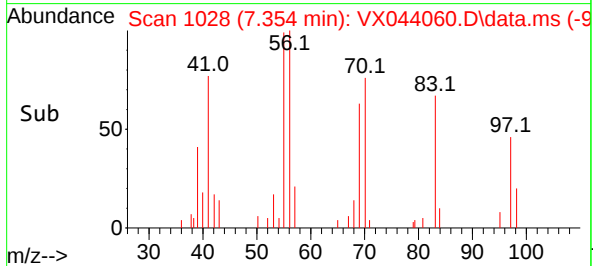


#39
Methylcyclohexane
Concen: 0.974 ug/l
RT: 7.354 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :

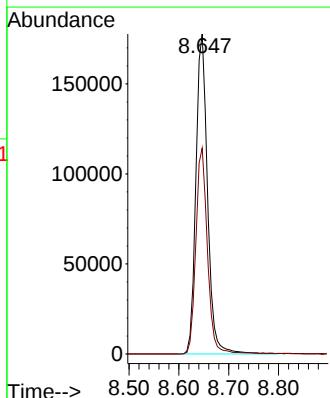
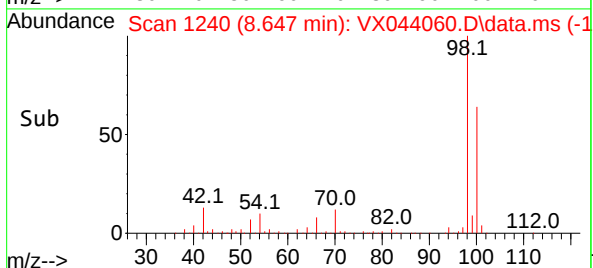
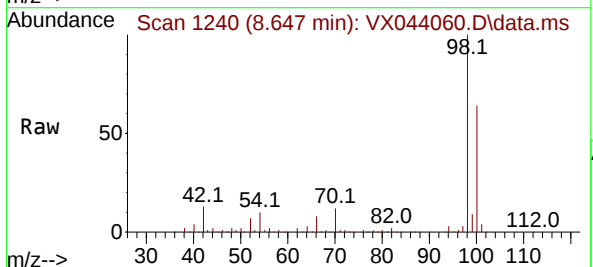


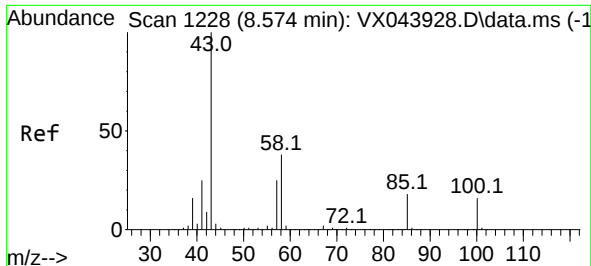
Tgt Ion: 83 Resp: 2672
Ion Ratio Lower Upper
83 100
55 148.2 63.1 94.7#
98 29.5 40.0 60.0#



#50
Toluene-d8
Concen: 49.314 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 98 Resp: 288141
Ion Ratio Lower Upper
98 100
100 64.1 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 8.604 min Scan# 1314

Delta R.T. 0.030 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

Instrument :

MSVOA_X

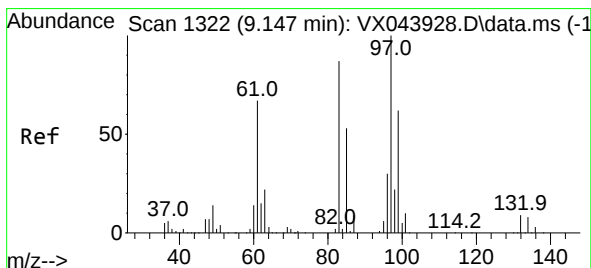
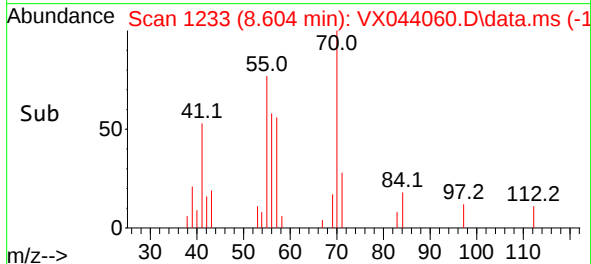
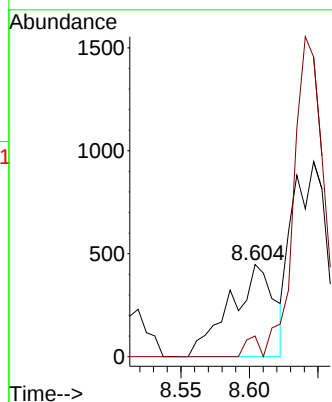
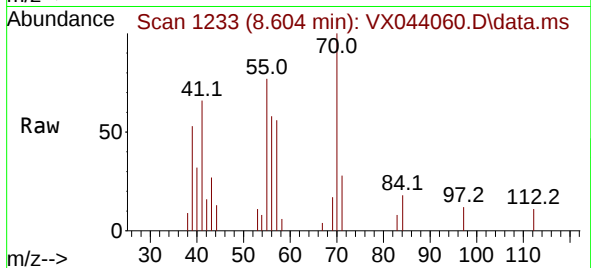
ClientSampleId :

Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#



#55

1,1,2-Trichloroethane

Concen: 2.986 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.049 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

Tgt Ion: 97 Resp: 4854

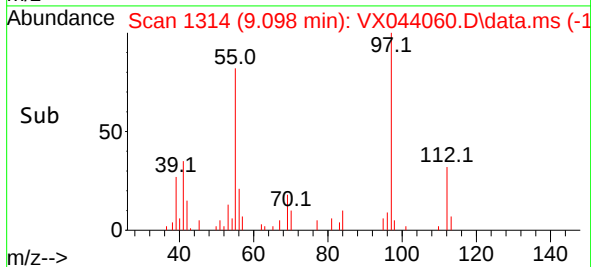
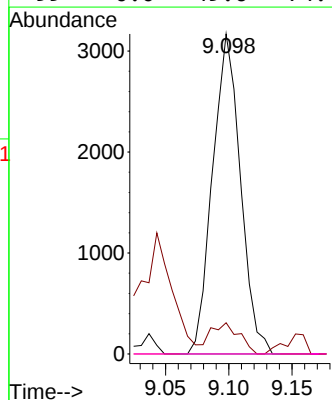
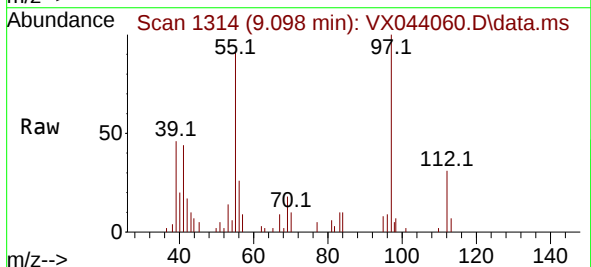
Ion Ratio Lower Upper

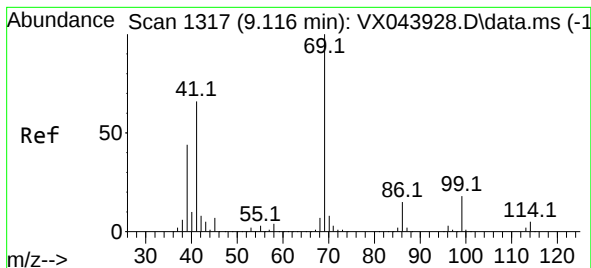
97 100

83 6.5 69.4 104.0#

85 0.0 42.3 63.5#

99 0.0 49.6 74.4#





#56

Ethyl methacrylate

Concen: 0.622 ug/l

RT: 9.092 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX044060.D

Acq: 02 Dec 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

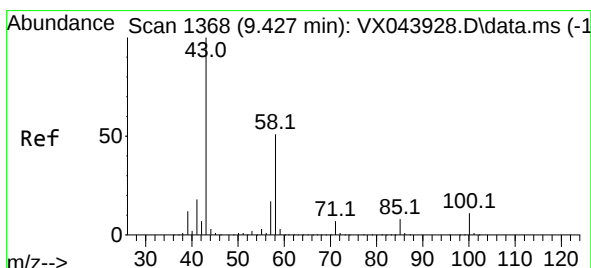
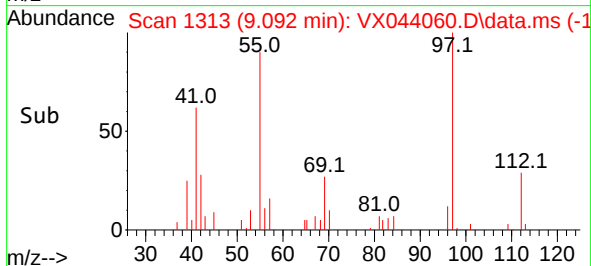
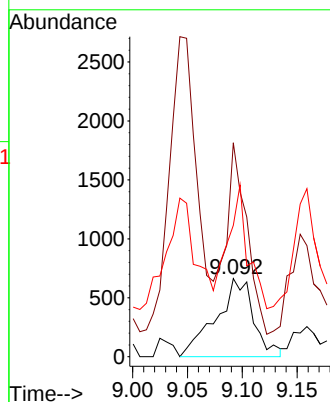
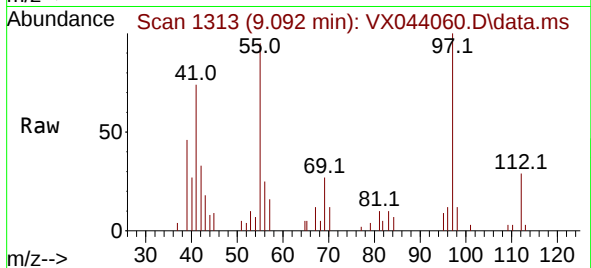
Tgt Ion: 69 Resp: 1575

Ion Ratio Lower Upper

69 100

41 143.5 55.8 83.8#

39 82.3 36.7 55.1#



#59

2-Hexanone

Concen: 0.450 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.036 min

Lab File: VX044060.D

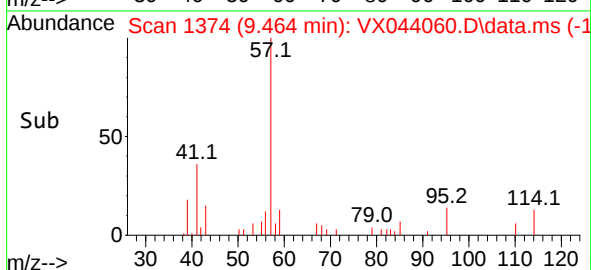
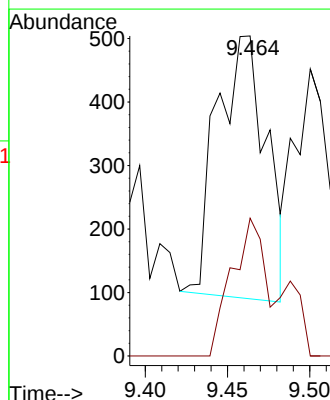
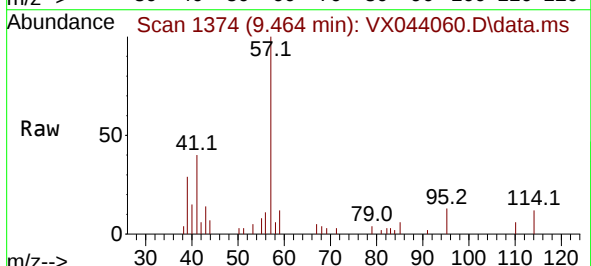
Acq: 02 Dec 2024 12:58

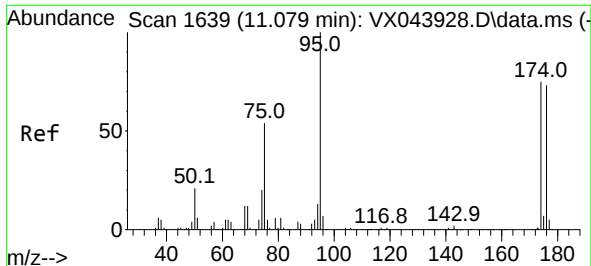
Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

58 48.2 25.9 77.6

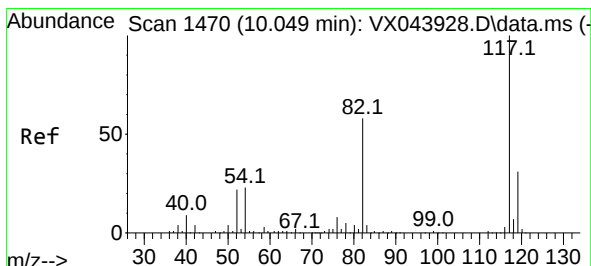
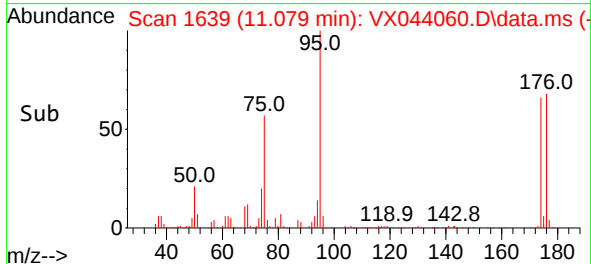
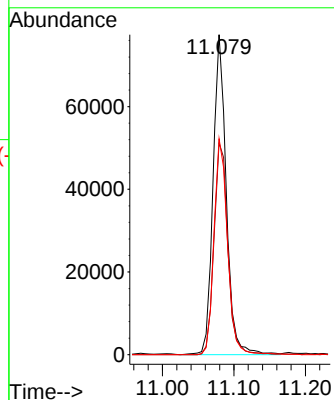
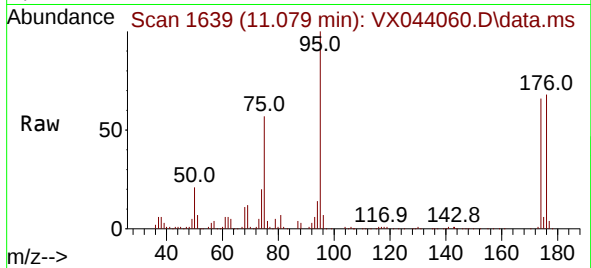




#62
4-Bromofluorobenzene
Concen: 49.949 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

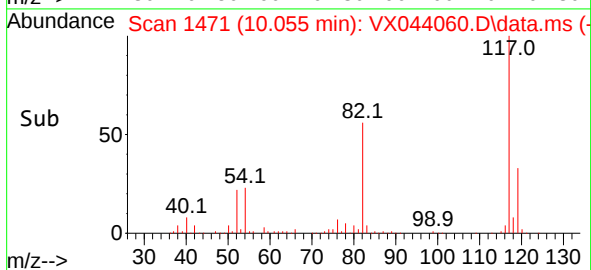
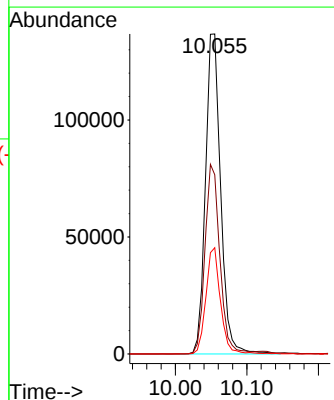
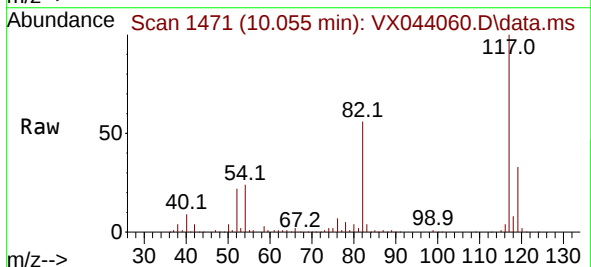
Instrument :
MSVOA_X
ClientSampleId :

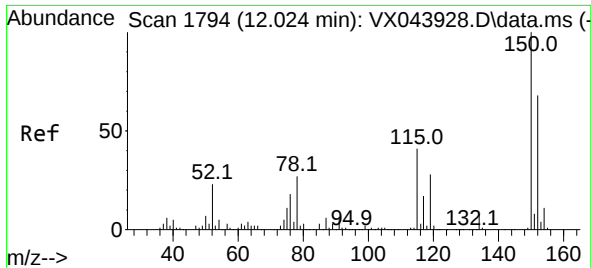
Tgt Ion: 95 Resp: 99324
Ion Ratio Lower Upper
95 100
174 69.0 0.0 150.4
176 69.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

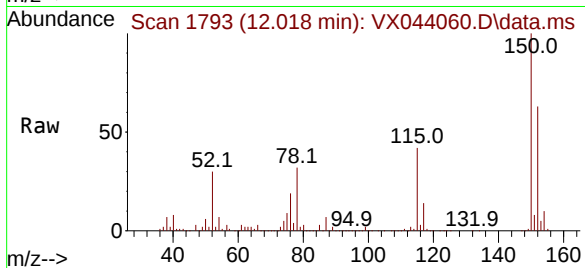
Tgt Ion: 117 Resp: 202018
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 33.2 24.6 37.0



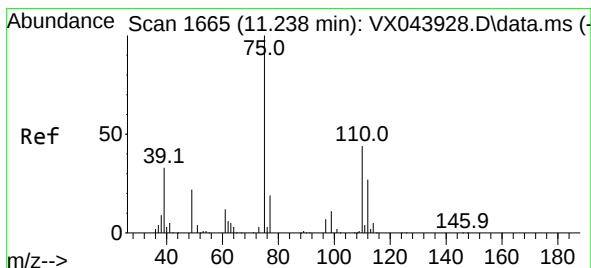
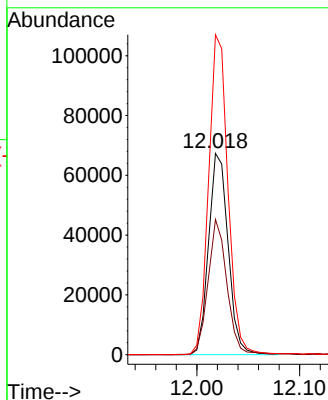
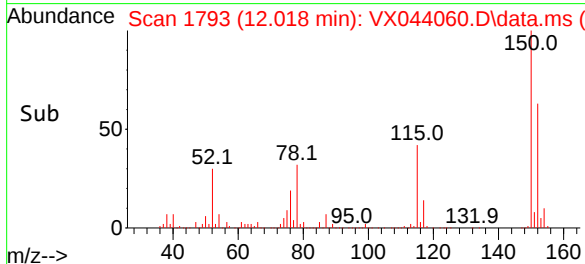


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VX044060.D
 Acq: 02 Dec 2024 12:58

Instrument :
 MSVOA_X
 ClientSampleId :

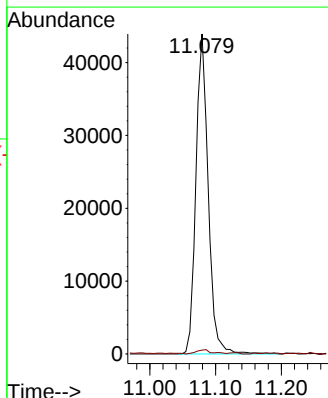
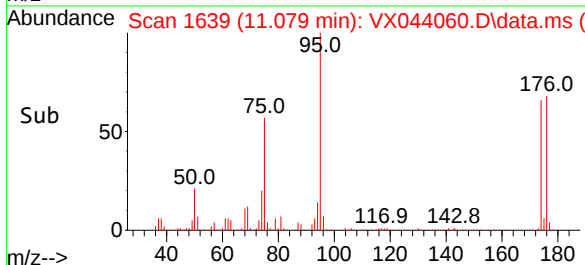
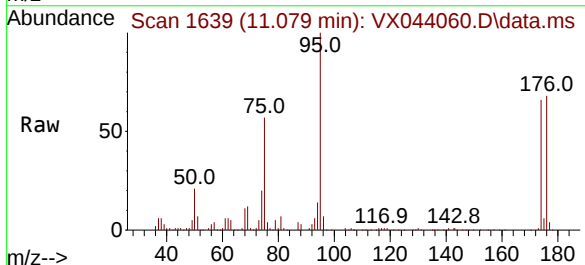


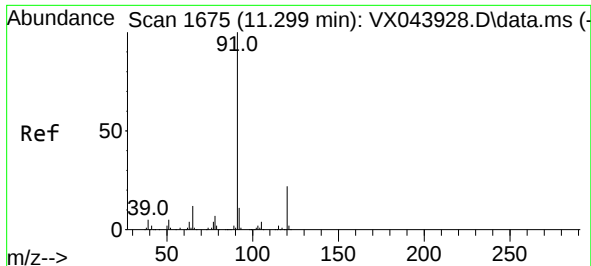
Tgt Ion:152 Resp: 89001
 Ion Ratio Lower Upper
 152 100
 115 64.8 45.4 136.2
 150 157.0 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 29.097 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX044060.D
 Acq: 02 Dec 2024 12:58

Tgt Ion: 75 Resp: 56790
 Ion Ratio Lower Upper
 75 100
 77 1.7 21.8 65.3#

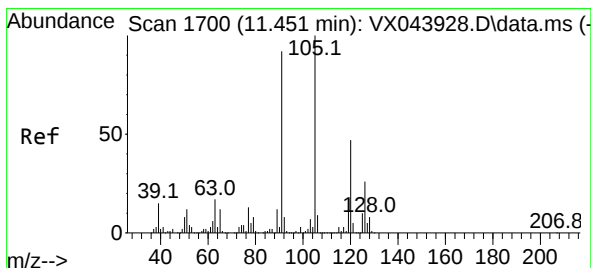
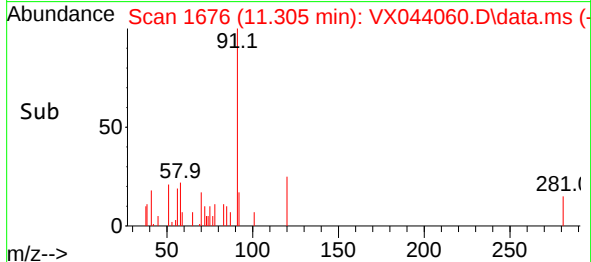
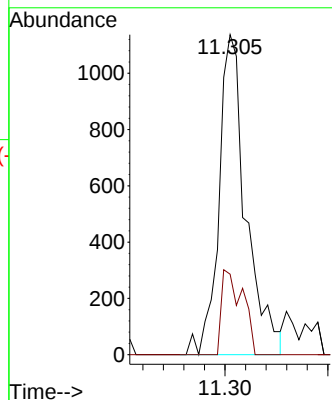
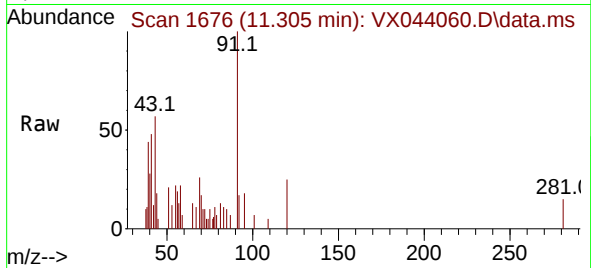




#78
n-propylbenzene
Concen: 0.271 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

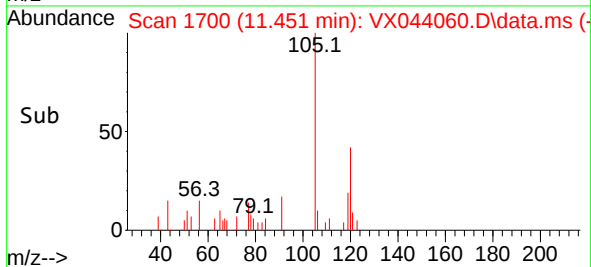
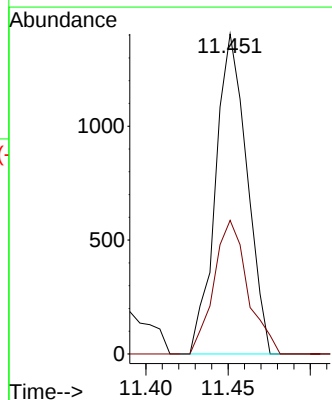
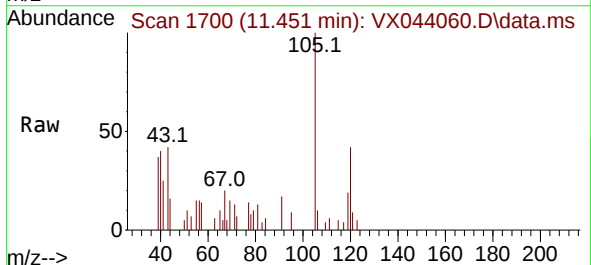
Instrument :
MSVOA_X
ClientSampleId :

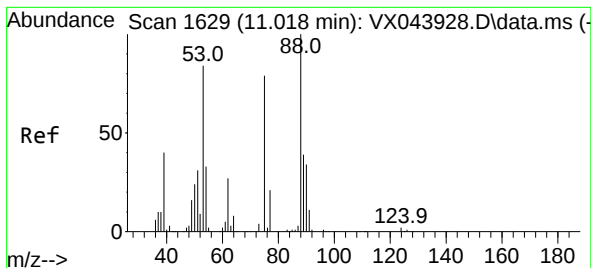
Tgt Ion: 91 Resp: 2072
Ion Ratio Lower Upper
91 100
120 20.5 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 105 Resp: 1869
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8

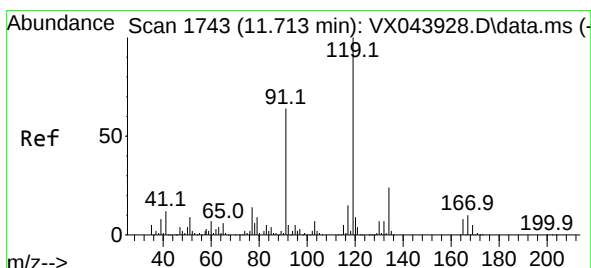
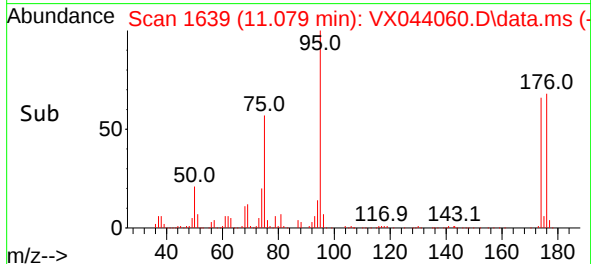
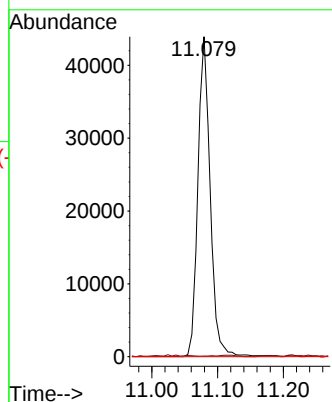
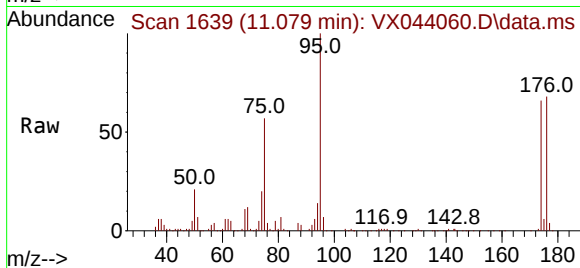




#81
trans-1,4-Dichloro-2-butene
Concen: 79.398 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

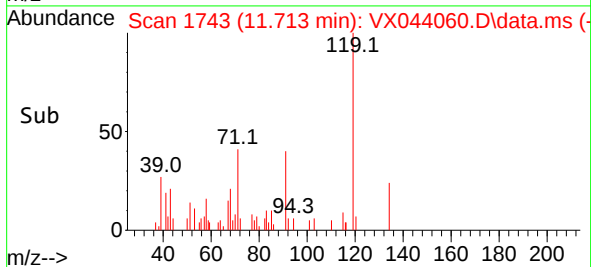
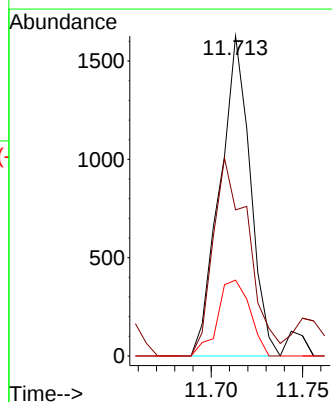
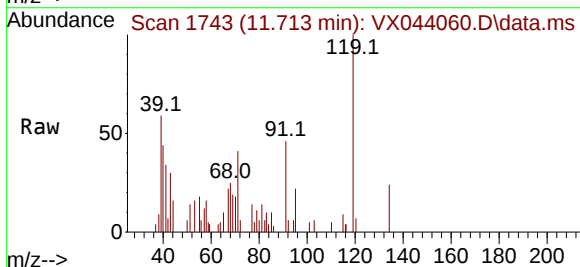
Instrument :
MSVOA_X
ClientSampleId :

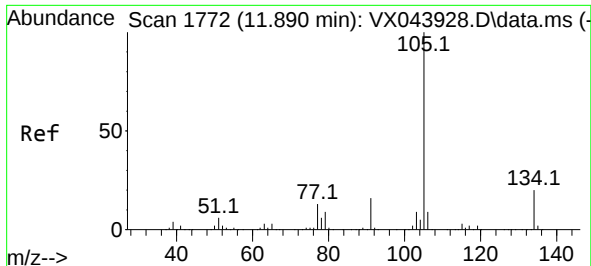
Tgt Ion: 75 Resp: 56790
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#



#83
tert-Butylbenzene
Concen: 0.337 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Tgt Ion: 119 Resp: 1880
Ion Ratio Lower Upper
119 100
91 72.2 31.0 93.0
134 25.3 11.6 34.8

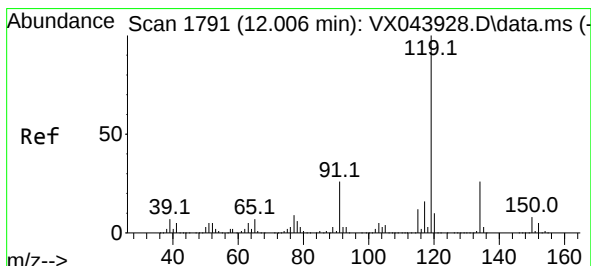
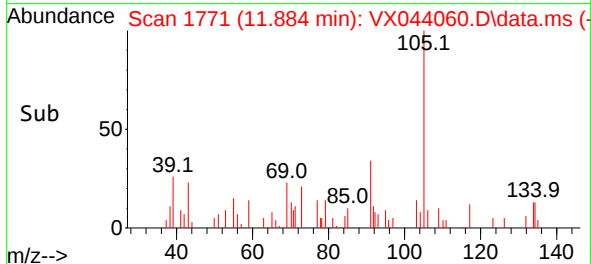
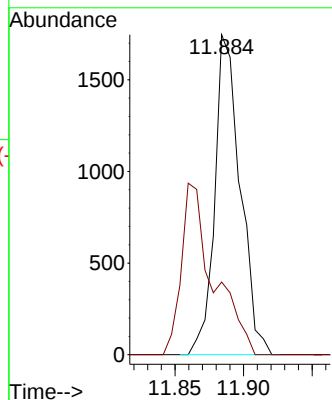
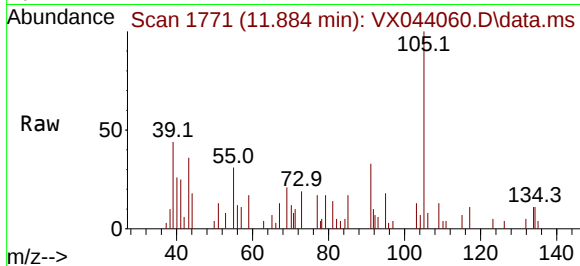




#85
 sec-Butylbenzene
 Concen: 0.330 ug/l
 RT: 11.884 min Scan# 1181
 Delta R.T. -0.006 min
 Lab File: VX044060.D
 Acq: 02 Dec 2024 12:58

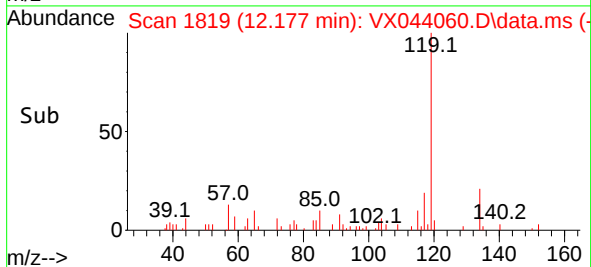
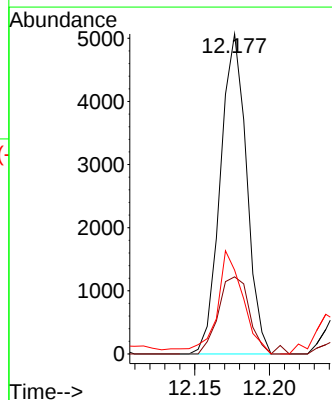
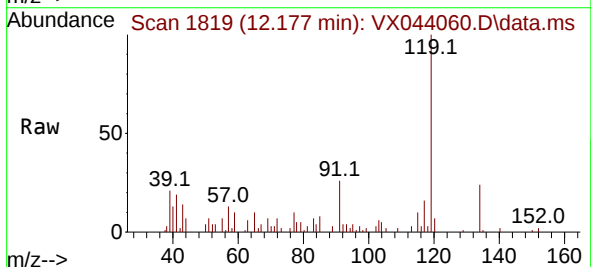
Instrument :
 MSVOA_X
 ClientSampleId :

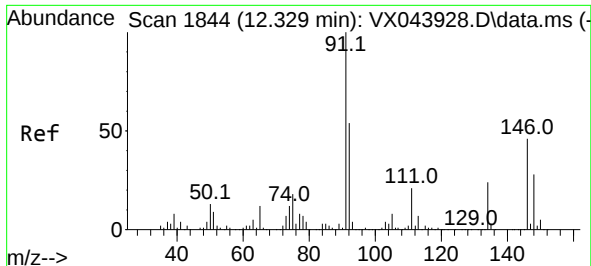
Tgt Ion:105 Resp: 2256
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#86
 p-Isopropyltoluene
 Concen: 1.110 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.171 min
 Lab File: VX044060.D
 Acq: 02 Dec 2024 12:58

Tgt Ion:119 Resp: 6165
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.0 38.9
 91 31.8 13.0 38.9

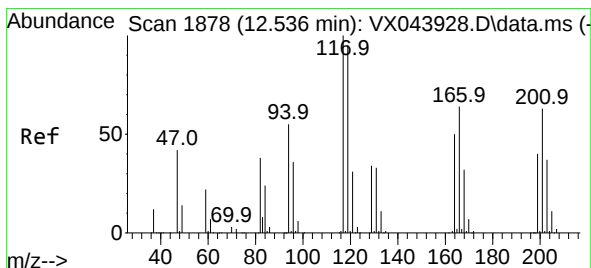
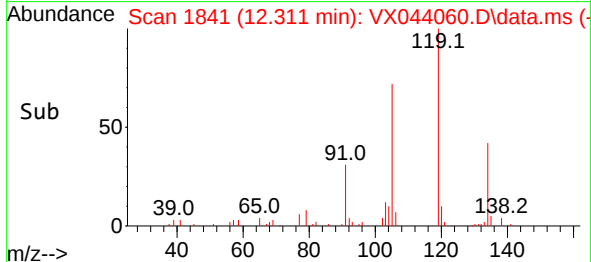
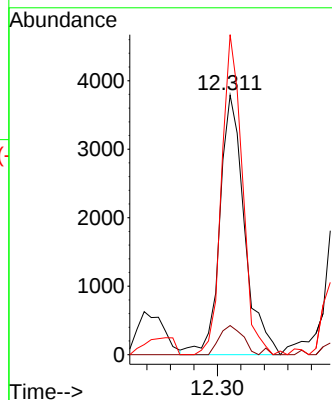
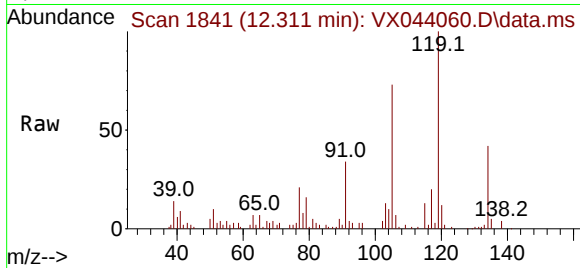




#89
n-Butylbenzene
Concen: 1.127 ug/l
RT: 12.311 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

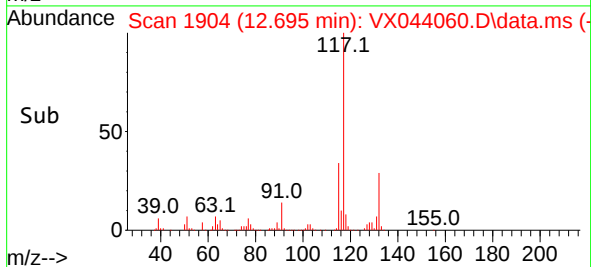
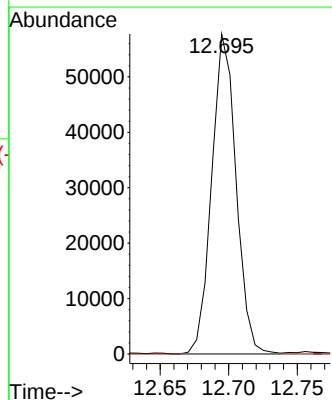
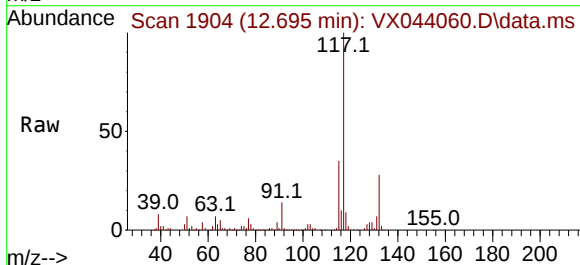
Instrument :
MSVOA_X
ClientSampleId :

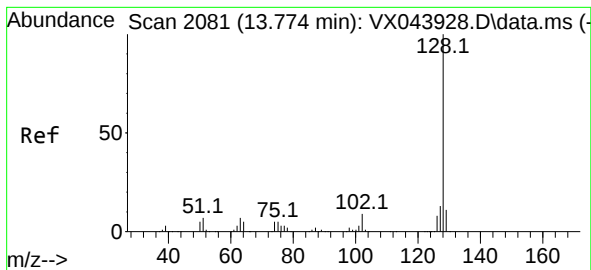
Tgt Ion: 91 Resp: 5519
Ion Ratio Lower Upper
91 100
92 10.5 26.6 79.8#
134 103.8 12.4 37.2#



#90
Hexachloroethane
Concen: 75.641 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.158 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

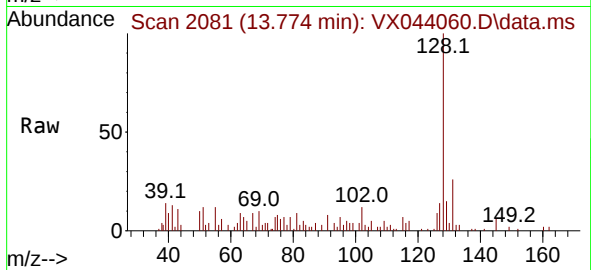
Tgt Ion: 117 Resp: 71414
Ion Ratio Lower Upper
117 100
201 0.0 32.4 97.0#





#95
Naphthalene
Concen: 2.055 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044060.D
Acq: 02 Dec 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	22.4	10.2	15.2#
129	24.3	8.6	12.8#

