

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045491.D
 Acq On : 27 Mar 2025 20:36
 Operator : JC/MD
 Sample : Q1643-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 030825-A

Quant Time: Mar 28 01:38:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

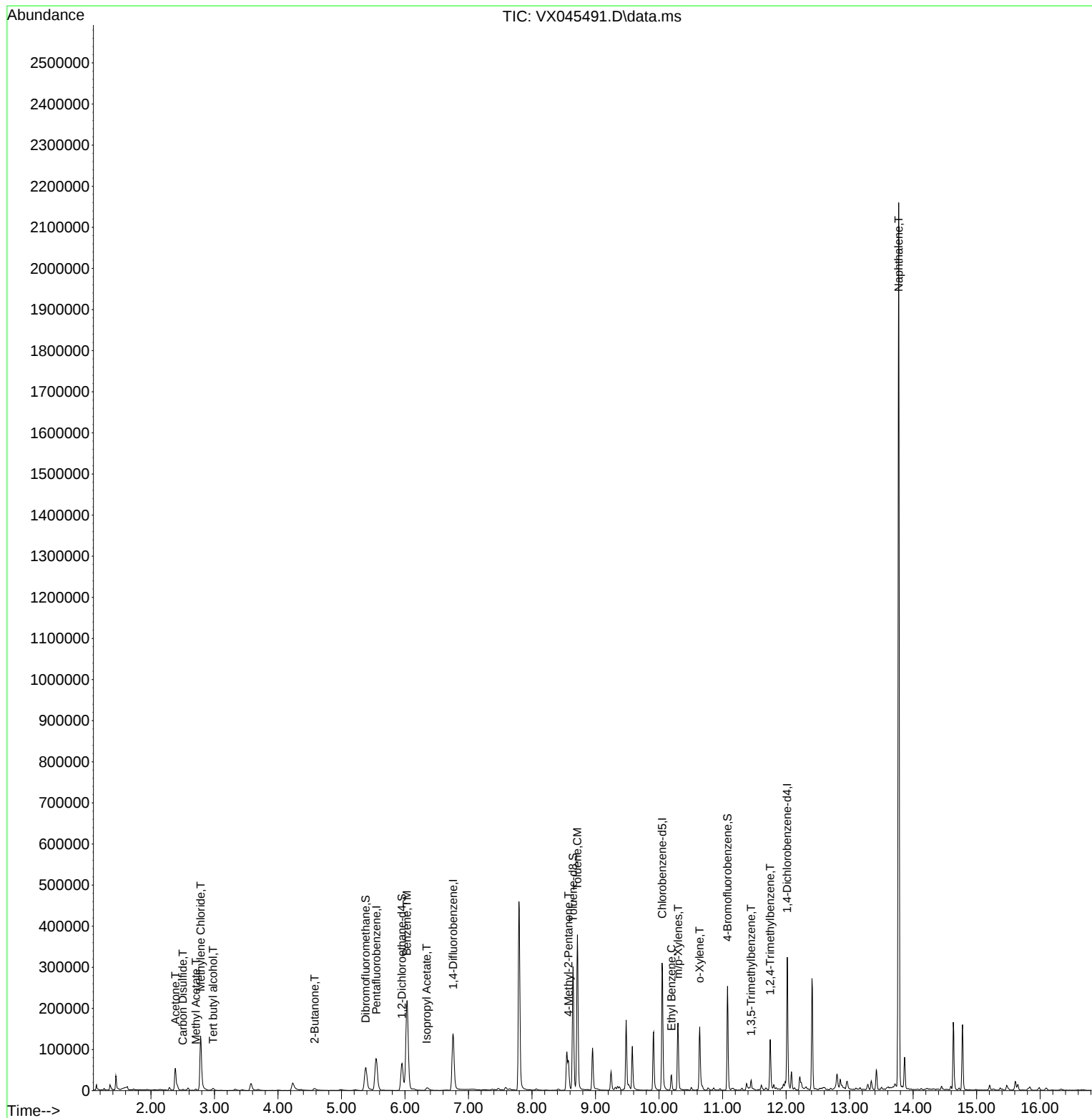
Internal Standards						
1) Pentafluorobenzene	5.550	168	68851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65094	59.437	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.880%			
35) Dibromofluoromethane	5.379	113	47864	52.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.220%			
50) Toluene-d8	8.647	98	170540	51.703	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.079	95	63257	57.875	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.740%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	5305	25.573	ug/l	98
16) Acetone	2.386	43	58516	115.160	ug/l	96
17) Carbon Disulfide	2.502	76	2563	1.137	ug/l #	92
18) Methyl Acetate	2.709	43	3792	3.102	ug/l	98
20) Methylene Chloride	2.782	84	61844	61.442	ug/l	98
25) 2-Butanone	4.574	43	9254	12.099	ug/l	91
40) Benzene	6.031	78	256861	65.192	ug/l	100
43) Isopropyl Acetate	6.342	43	9523	4.006	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	32422	20.310	ug/l #	78
52) Toluene	8.714	92	132906	57.493	ug/l	100
67) Ethyl Benzene	10.195	91	21665	4.668	ug/l	98
68) m/p-Xylenes	10.299	106	35349	20.804	ug/l	93
69) o-Xylene	10.640	106	27007	15.759	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	9831	2.716	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	40711	11.178	ug/l	67
95) Naphthalene	13.774	128	1202337	290.754	ug/l	100

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

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MSVOA_X
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030825-A

Quant Time: Mar 28 01:38:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

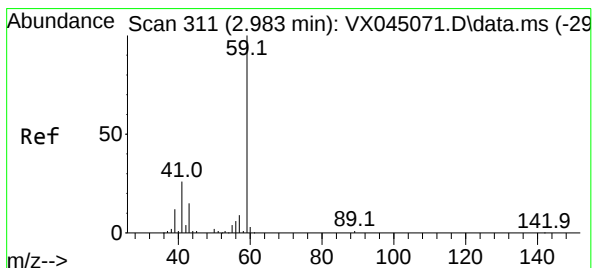
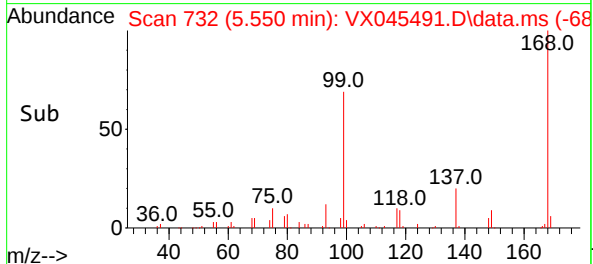
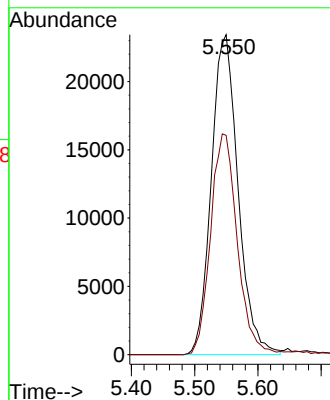
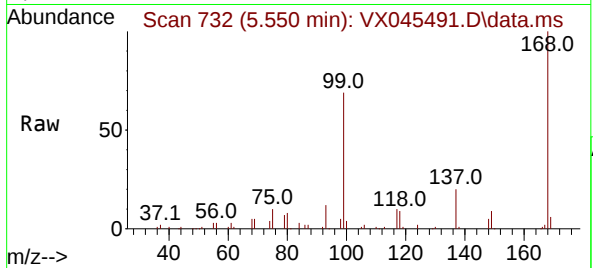




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

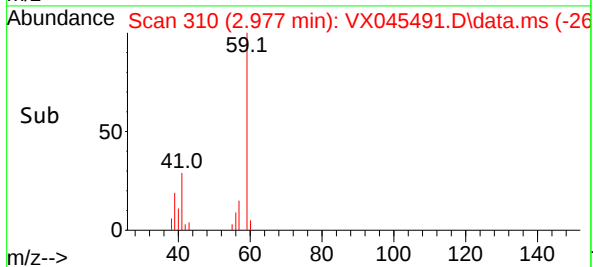
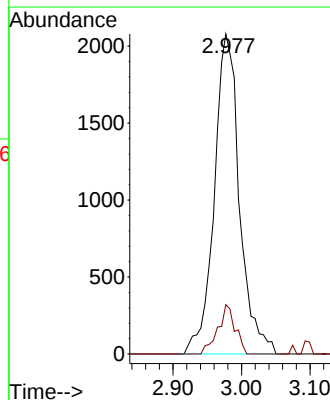
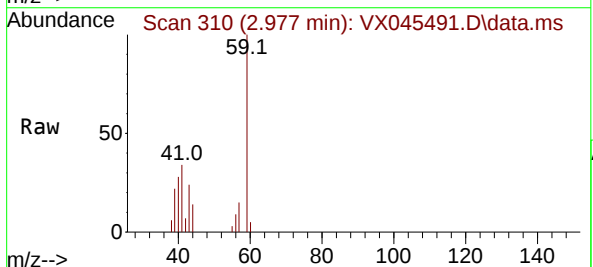
Instrument :
MSVOA_X
ClientSampleId :
030825-A

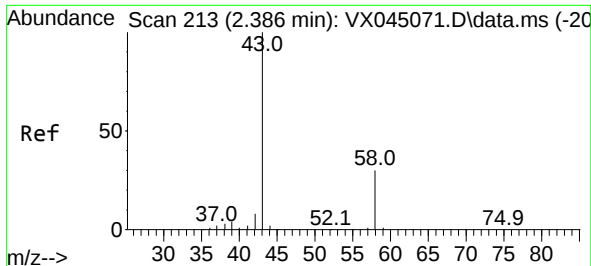
Tgt Ion:168 Resp: 68851
Ion Ratio Lower Upper
168 100
99 68.5 48.2 72.4



#11
Tert butyl alcohol
Concen: 25.573 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 59 Resp: 5305
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.8

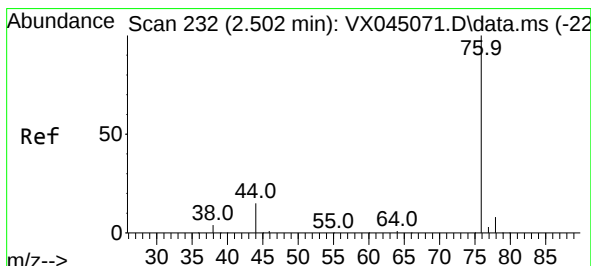
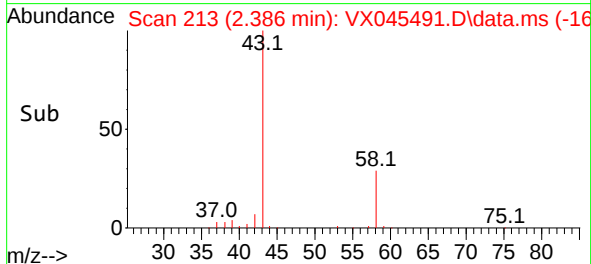
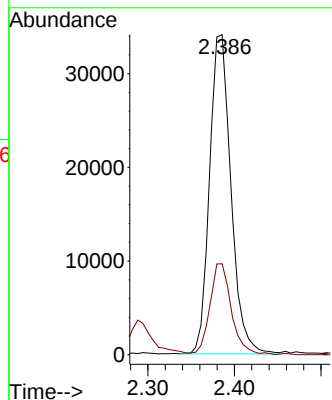
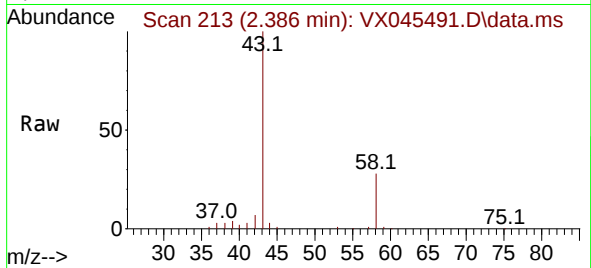




#16
Acetone
Concen: 115.160 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

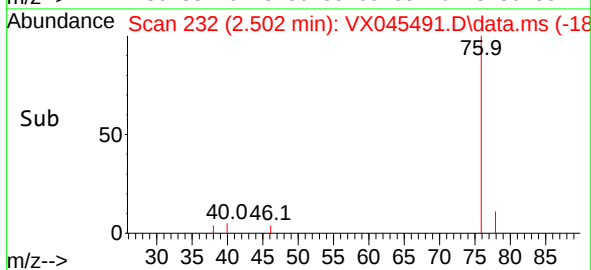
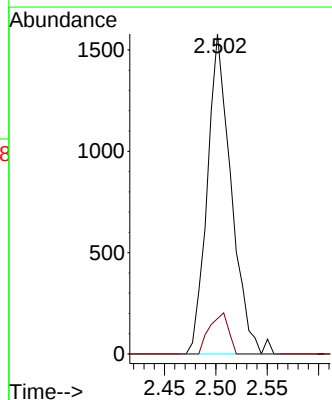
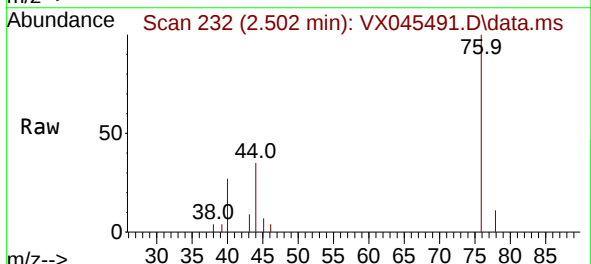
Instrument :
MSVOA_X
ClientSampleId :
030825-A

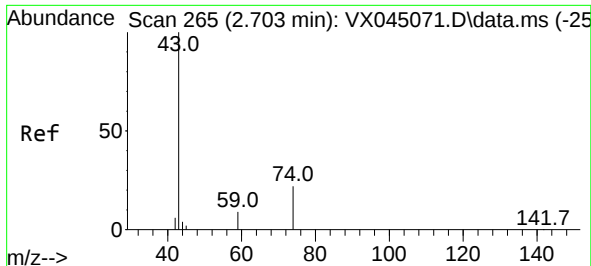
Tgt Ion: 43 Resp: 58516
Ion Ratio Lower Upper
43 100
58 28.2 24.2 36.4



#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 76 Resp: 2563
Ion Ratio Lower Upper
76 100
78 11.1 6.6 9.8#





#18

Methyl Acetate

Concen: 3.102 ug/l

RT: 2.709 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX045491.D

Acq: 27 Mar 2025 20:36

Instrument :

MSVOA_X

ClientSampleId :

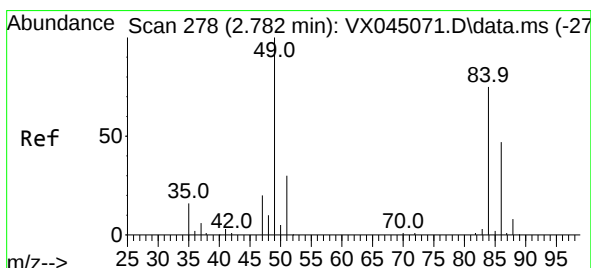
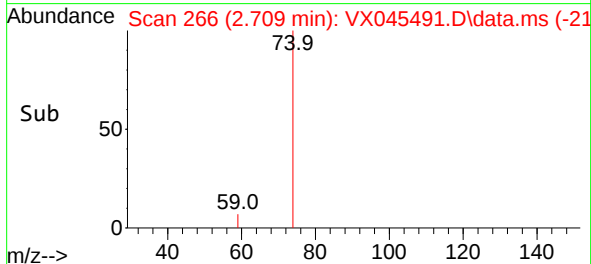
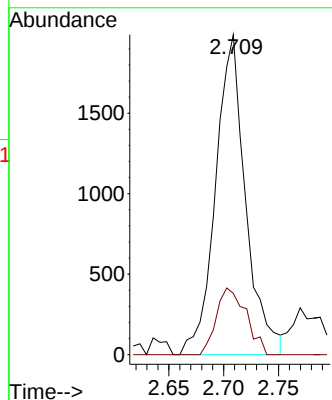
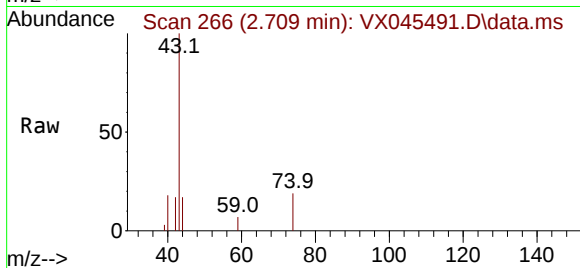
030825-A

Tgt Ion: 43 Resp: 3792

Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.2



#20

Methylene Chloride

Concen: 61.442 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045491.D

Acq: 27 Mar 2025 20:36

Tgt Ion: 84 Resp: 61844

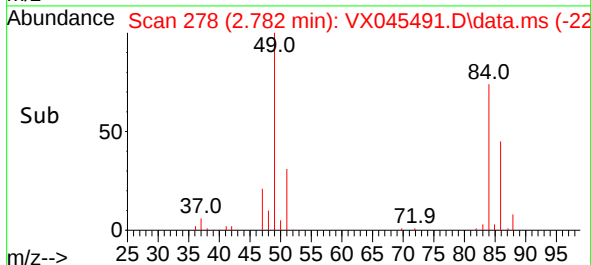
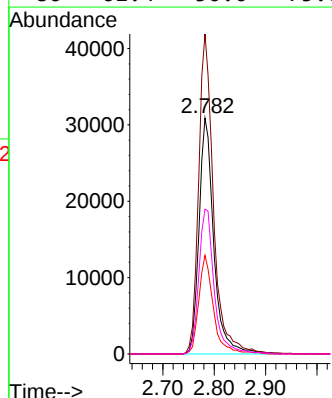
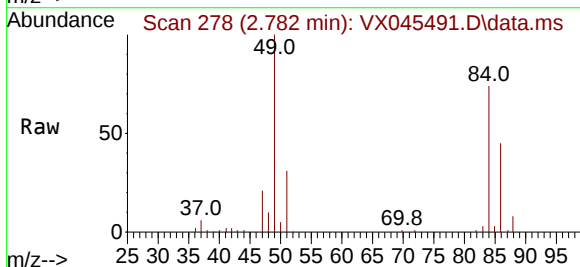
Ion Ratio Lower Upper

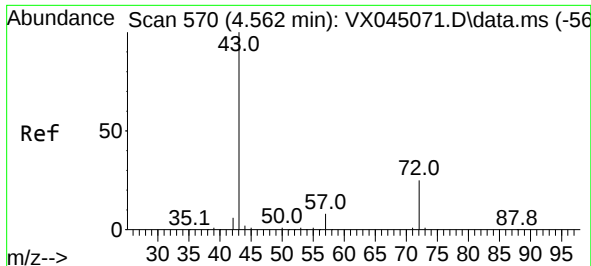
84 100

49 135.7 106.5 159.7

51 41.8 32.1 48.1

86 61.4 50.0 75.0

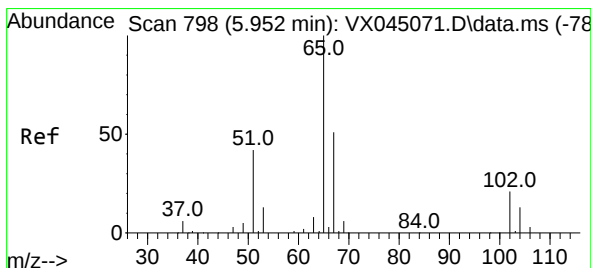
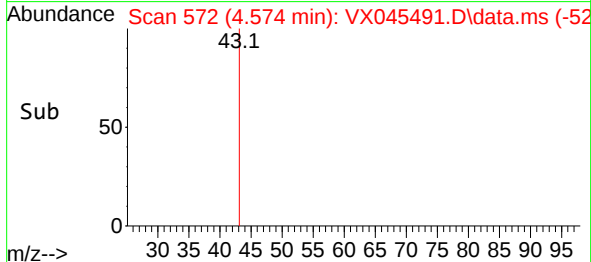
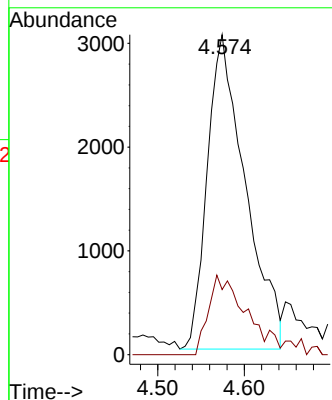
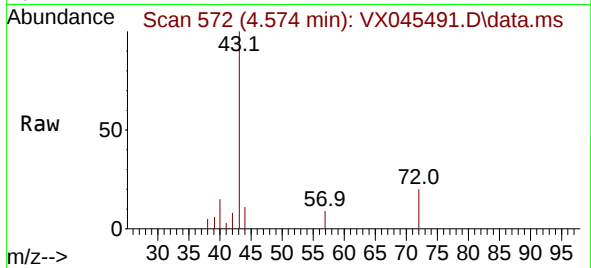




#25
2-Butanone
Concen: 12.099 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

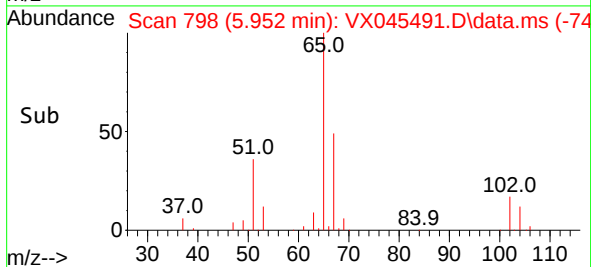
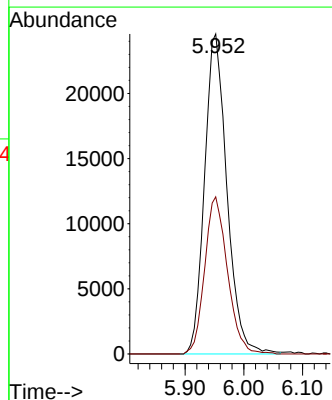
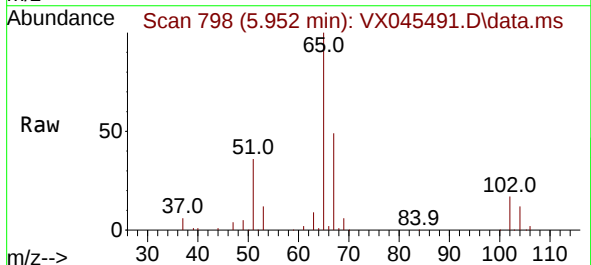
Instrument :
MSVOA_X
ClientSampleId :
030825-A

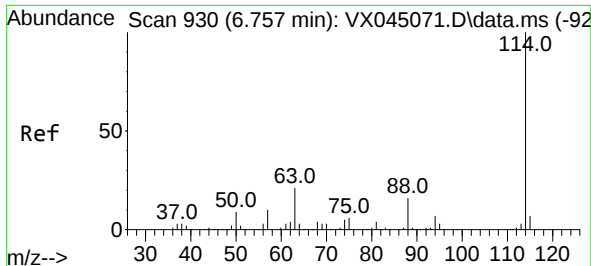
Tgt Ion: 43 Resp: 9254
Ion Ratio Lower Upper
43 100
72 20.7 20.0 30.0



#33
1,2-Dichloroethane-d4
Concen: 59.437 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 65 Resp: 65094
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.2

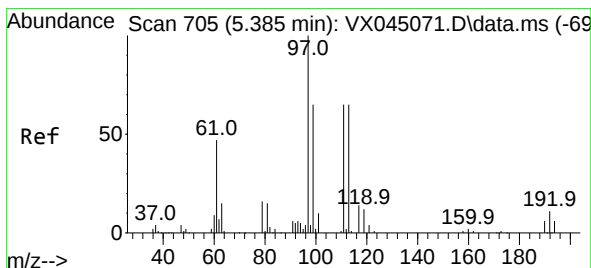
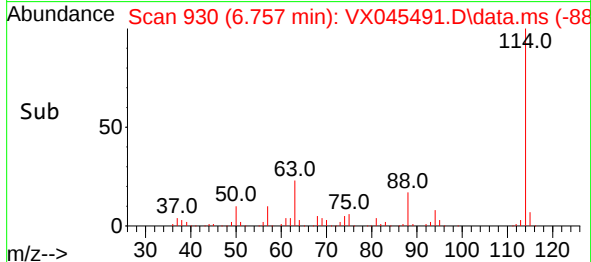
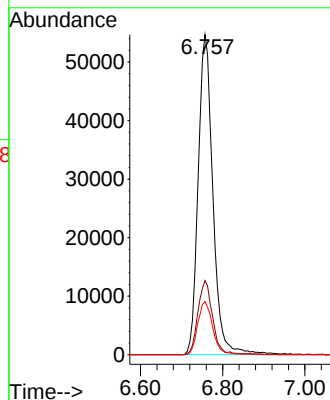
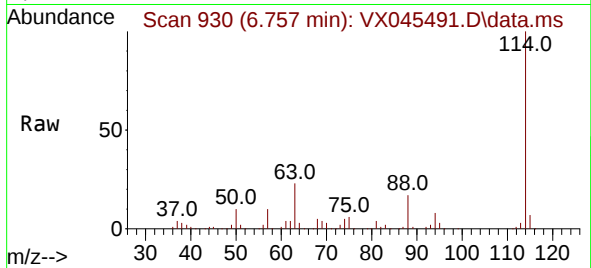




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045491.D
 Acq: 27 Mar 2025 20:36

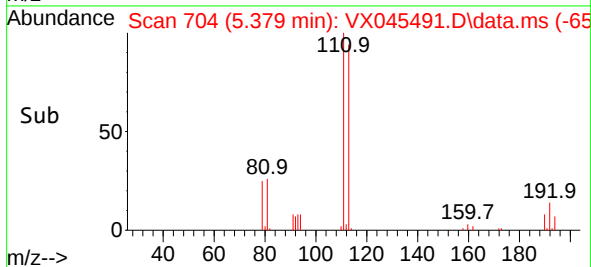
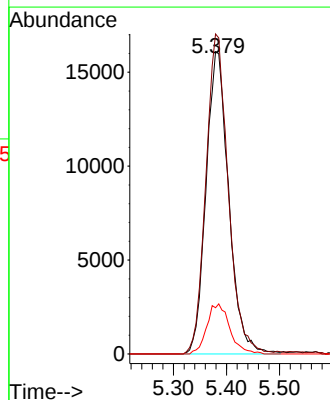
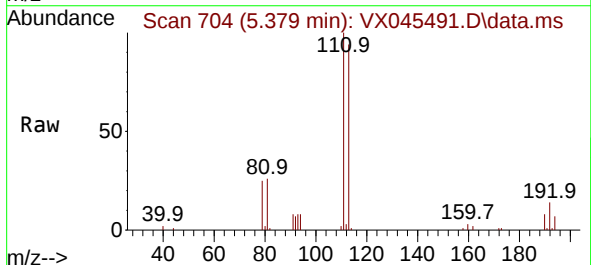
Instrument :
 MSVOA_X
 ClientSampleId :
 030825-A

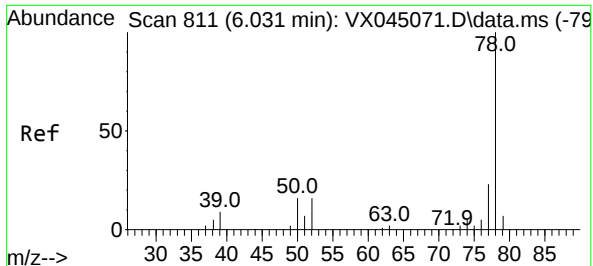
Tgt Ion:114 Resp: 136064
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 41.8
 88 16.6 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 52.608 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX045491.D
 Acq: 27 Mar 2025 20:36

Tgt Ion:113 Resp: 47864
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.8 122.6
 192 16.7 14.3 21.5

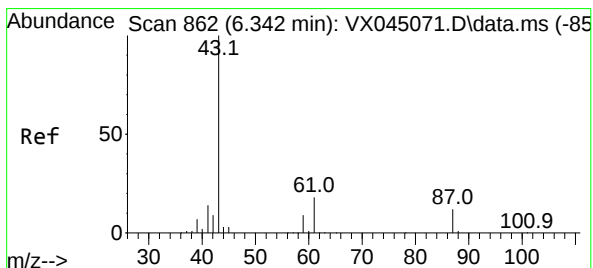
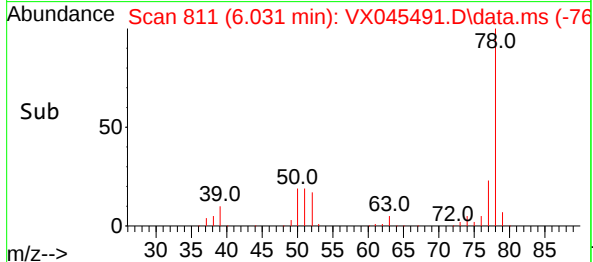
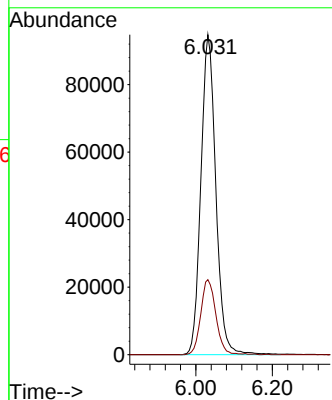
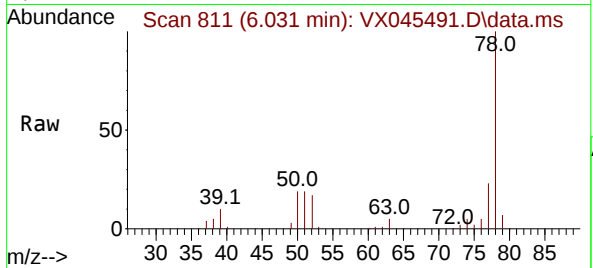




#40
Benzene
Concen: 65.192 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

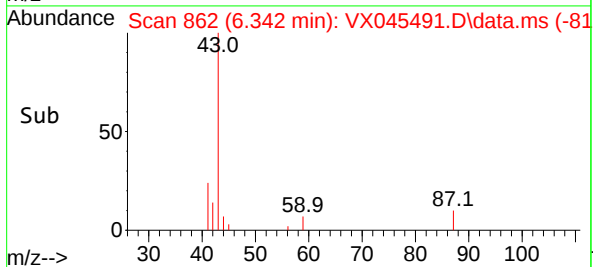
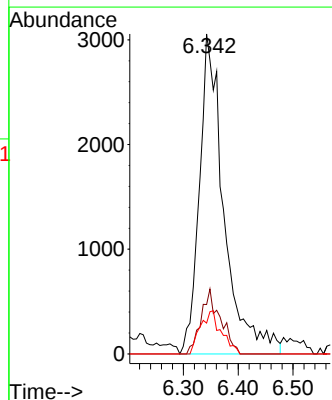
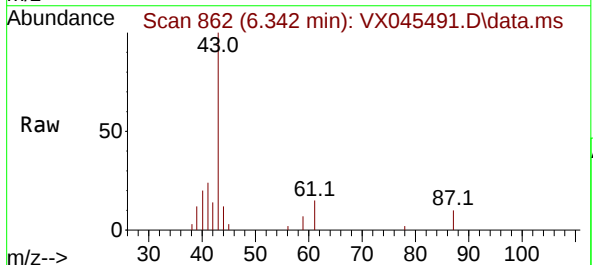
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030825-A

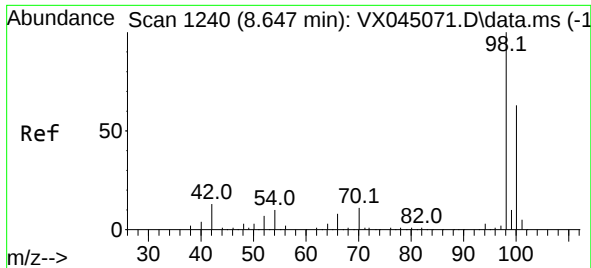
Tgt Ion: 78 Resp: 256861
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



#43
Isopropyl Acetate
Concen: 4.006 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 43 Resp: 9523
Ion Ratio Lower Upper
43 100
61 16.1 14.9 22.3
87 11.5 9.4 14.2

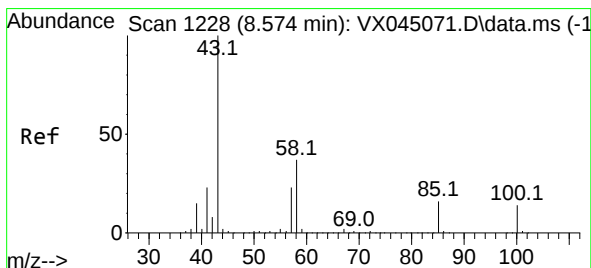
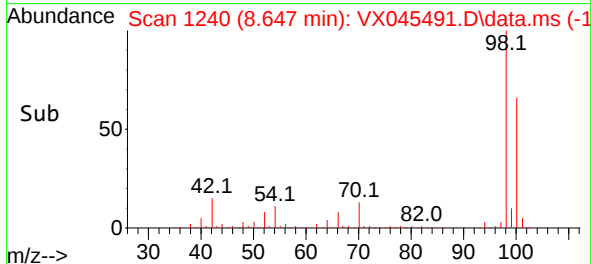
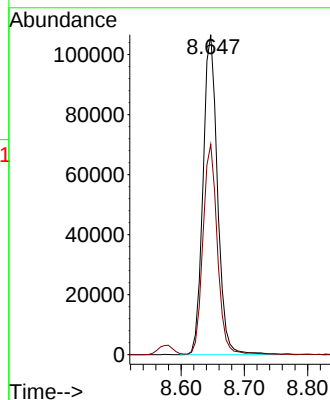
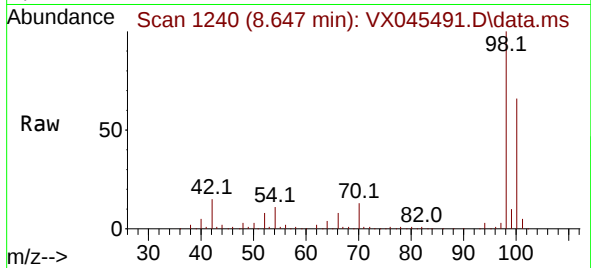




#50
Toluene-d8
Concen: 51.703 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

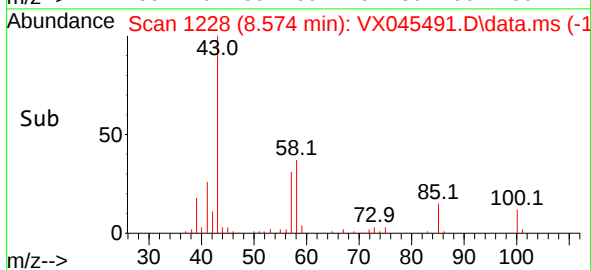
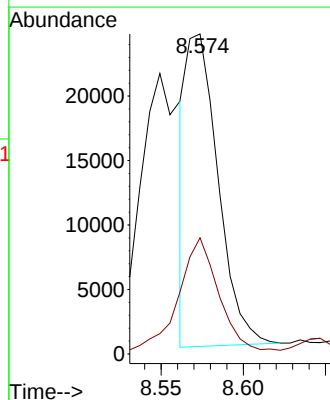
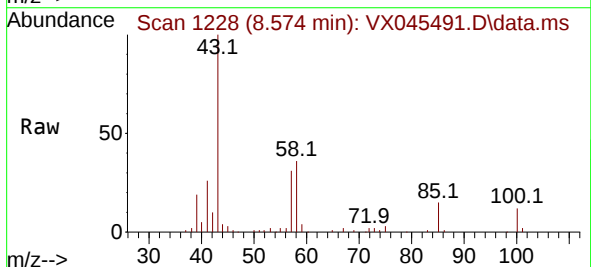
Instrument :
MSVOA_X
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030825-A

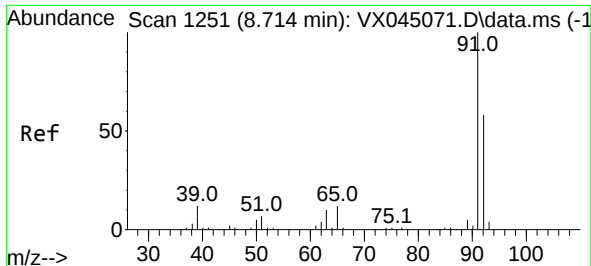
Tgt Ion: 98 Resp: 170540
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 20.310 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 43 Resp: 32422
Ion Ratio Lower Upper
43 100
58 49.7 29.2 43.8#

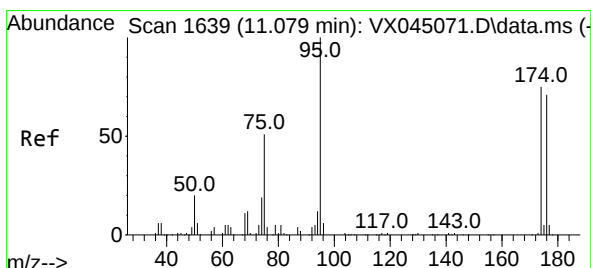
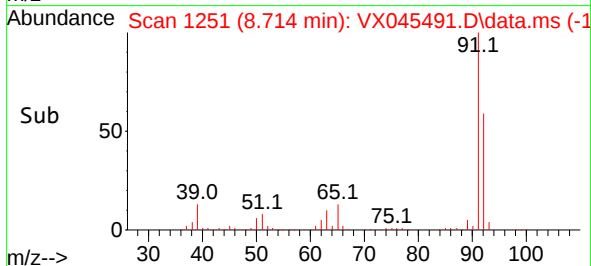
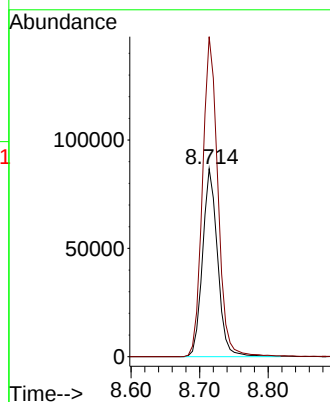
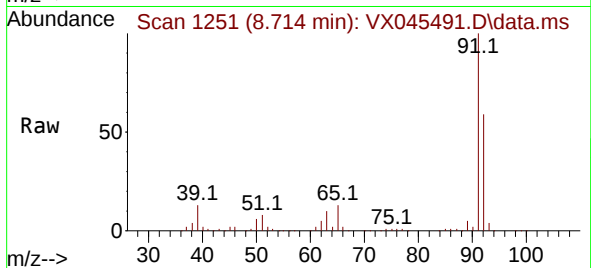




#52
Toluene
Concen: 57.493 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

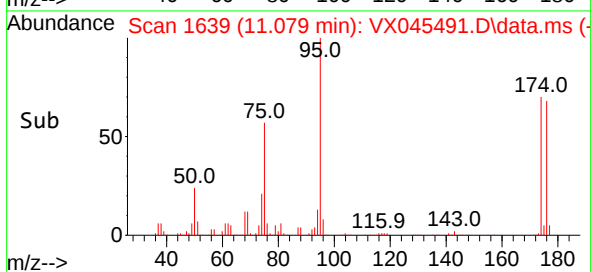
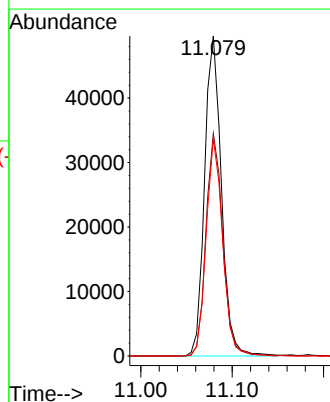
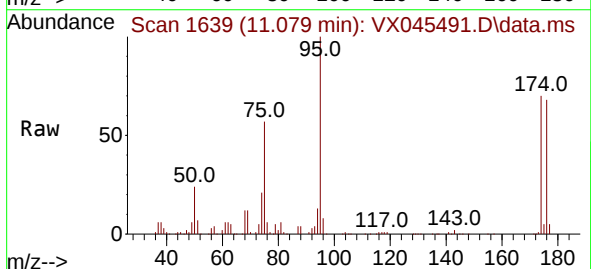
Instrument :
MSVOA_X
ClientSampleId :
030825-A

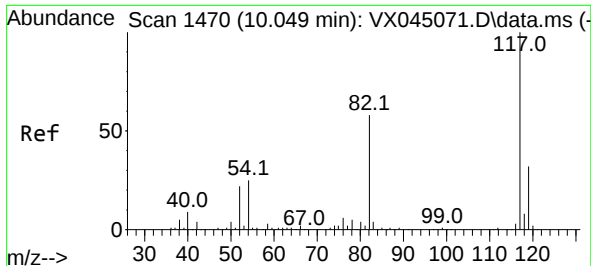
Tgt Ion: 92 Resp: 132906
Ion Ratio Lower Upper
92 100
91 173.9 138.9 208.3



#62
4-Bromofluorobenzene
Concen: 57.875 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 95 Resp: 63257
Ion Ratio Lower Upper
95 100
174 69.3 0.0 148.2
176 66.6 0.0 141.4

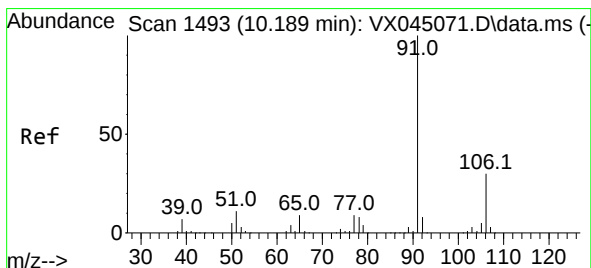
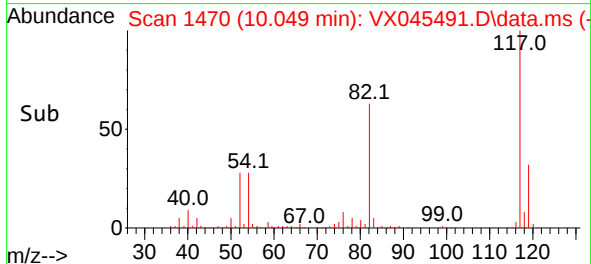
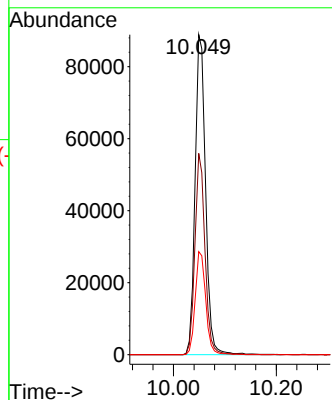
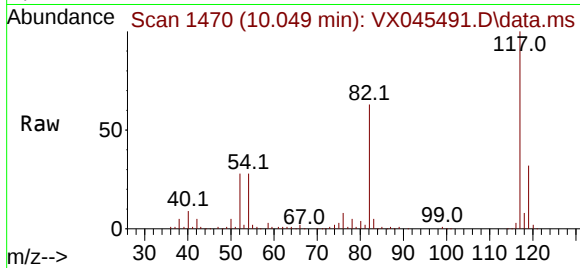




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

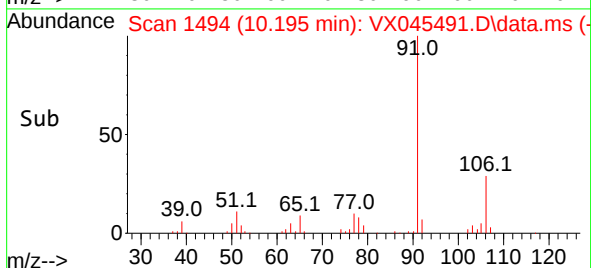
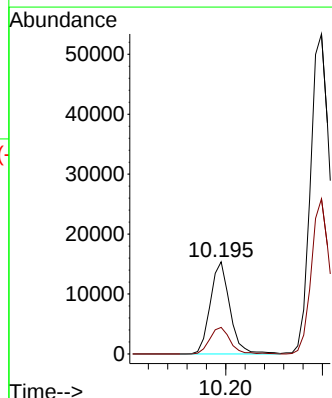
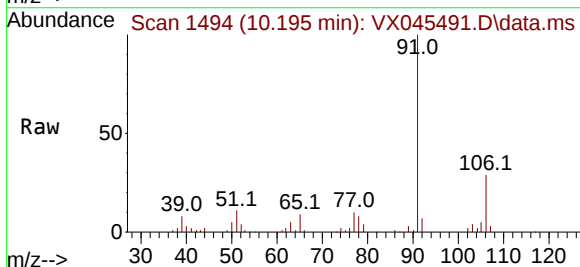
Instrument :
MSVOA_X
ClientSampleId :
030825-A

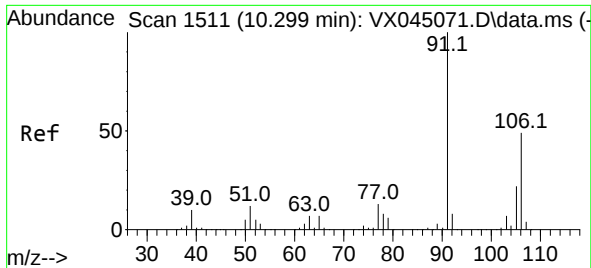
Tgt Ion:117 Resp: 125893
Ion Ratio Lower Upper
117 100
82 62.9 46.3 69.5
119 32.2 25.7 38.5



#67
Ethyl Benzene
Concen: 4.668 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion: 91 Resp: 21665
Ion Ratio Lower Upper
91 100
106 28.9 23.9 35.9

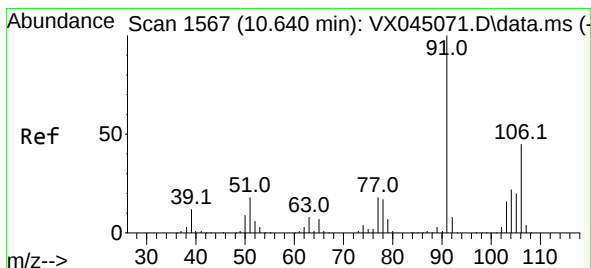
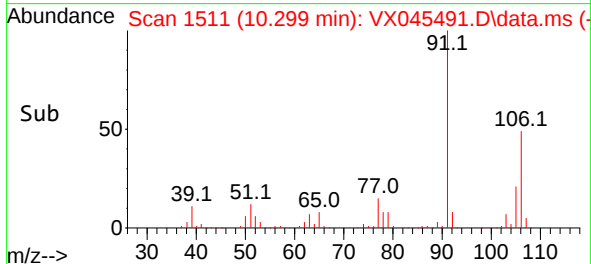
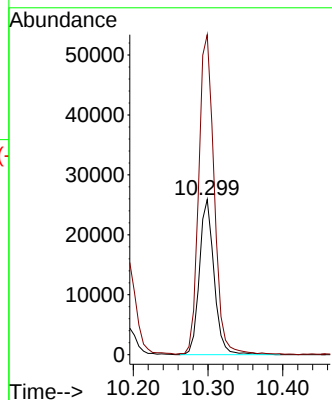
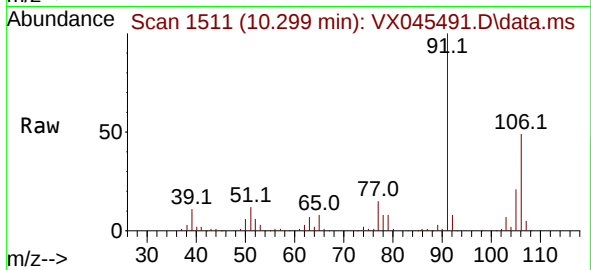




#68
m/p-Xylenes
Concen: 20.804 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

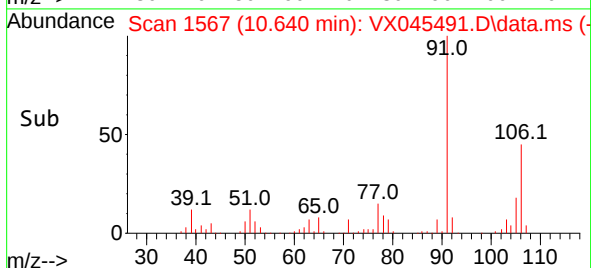
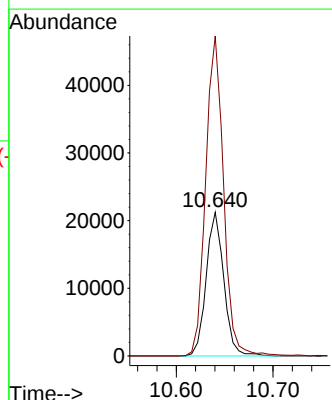
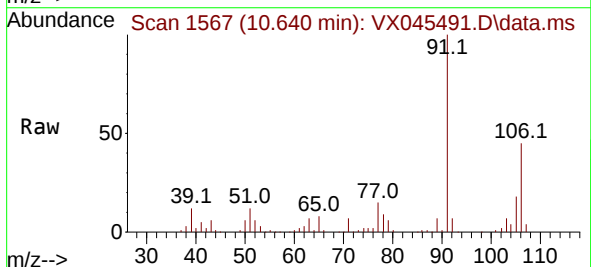
Instrument :
MSVOA_X
ClientSampleId :
030825-A

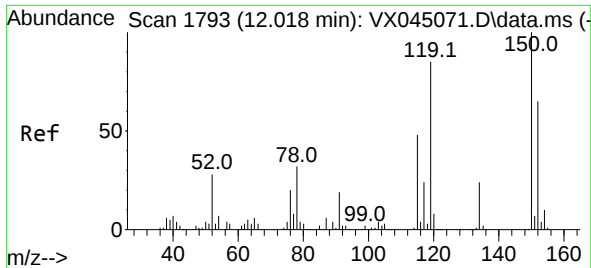
Tgt Ion:106 Resp: 35349
Ion Ratio Lower Upper
106 100
91 217.9 165.4 248.0



#69
o-Xylene
Concen: 15.759 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion:106 Resp: 27007
Ion Ratio Lower Upper
106 100
91 226.0 109.9 329.6

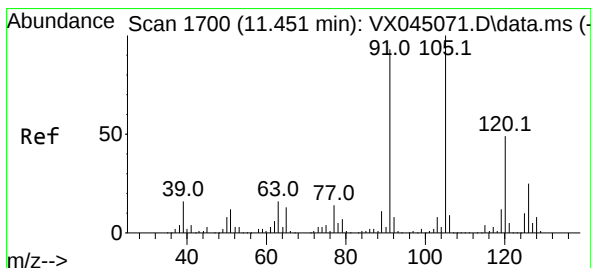
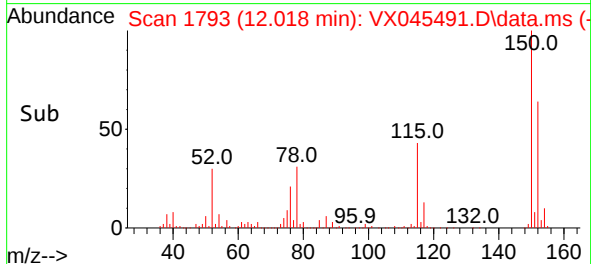
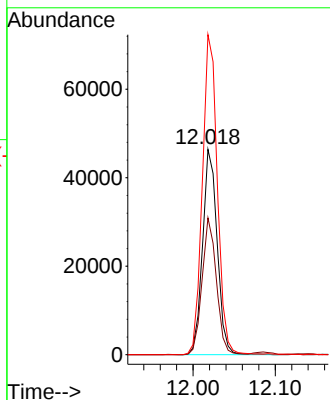
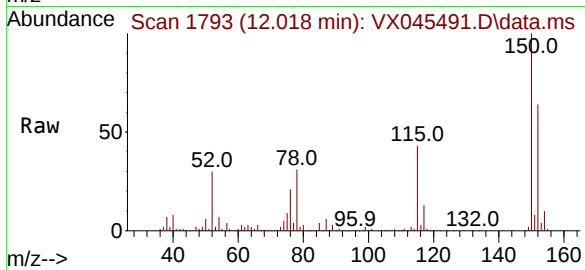




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045491.D
 Acq: 27 Mar 2025 20:36

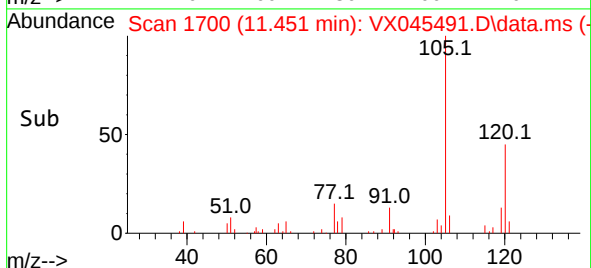
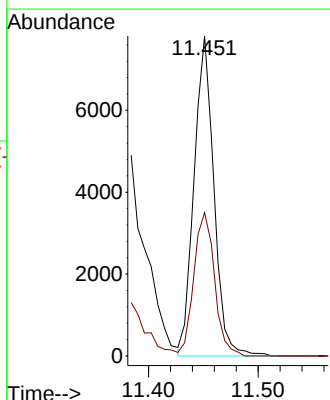
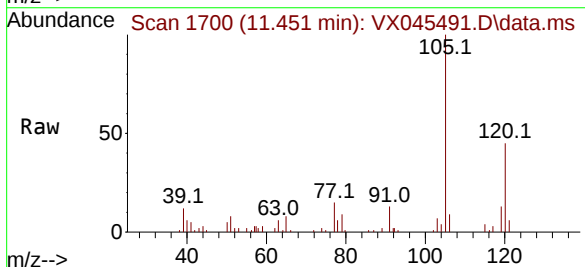
Instrument :
 MSVOA_X
 ClientSampleId :
 030825-A

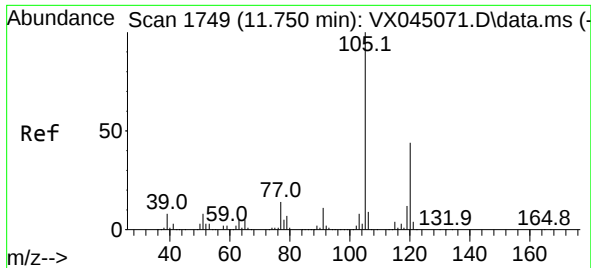
Tgt Ion:152 Resp: 57355
 Ion Ratio Lower Upper
 152 100
 115 65.3 44.2 132.6
 150 159.5 0.0 349.0



#80
 1,3,5-Trimethylbenzene
 Concen: 2.716 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX045491.D
 Acq: 27 Mar 2025 20:36

Tgt Ion:105 Resp: 9831
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.1 72.2

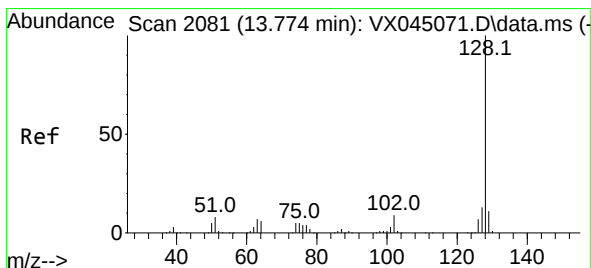
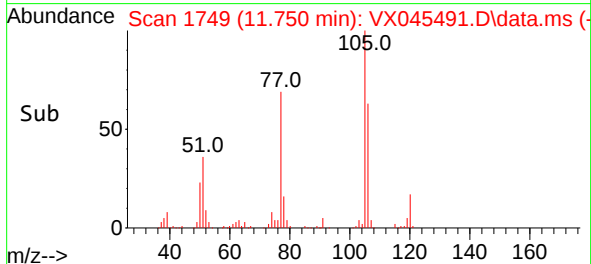
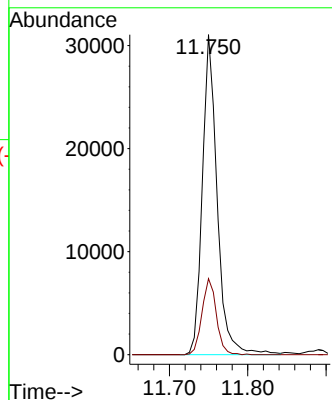
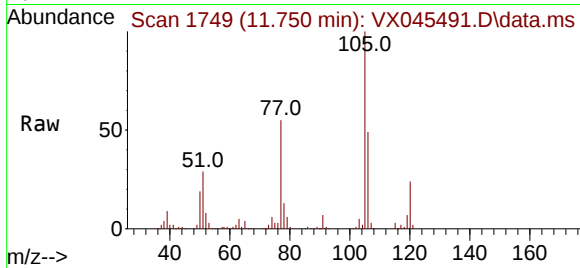




#84
1,2,4-Trimethylbenzene
Concen: 11.178 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Instrument :
MSVOA_X
ClientSampleId :
030825-A

Tgt Ion:105 Resp: 40711
Ion Ratio Lower Upper
105 100
120 23.0 22.1 66.1



#95
Naphthalene
Concen: 290.754 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045491.D
Acq: 27 Mar 2025 20:36

Tgt Ion:128 Resp: 1202337
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1

