

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048361.D
 Acq On : 27 Oct 2025 11:36
 Operator : JC/MD
 Sample : Q3446-03 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-16

Quant Time: Oct 28 01:50:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

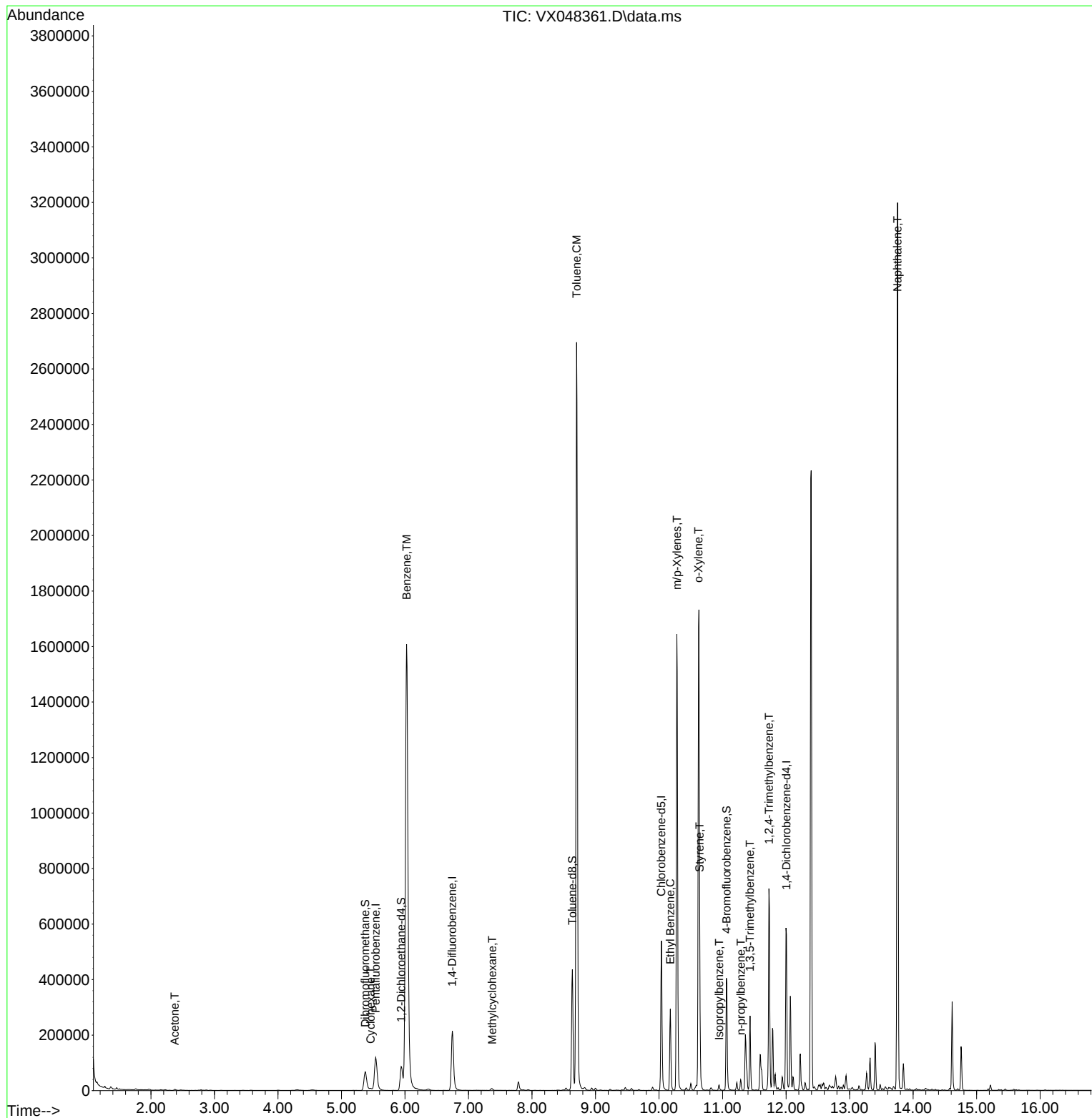
Internal Standards						
1) Pentafluorobenzene	5.538	168	115678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96045	59.218	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.440%#
35) Dibromofluoromethane	5.373	113	64625	41.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.820%
50) Toluene-d8	8.635	98	264232	48.304	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.600%
62) 4-Bromofluorobenzene	11.061	95	113794	54.682	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.360%
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	4893	8.794	ug/l	97
31) Cyclohexane	5.458	56	3910	1.942	ug/l	93
39) Methylcyclohexane	7.373	83	2841	1.084	ug/l	91
40) Benzene	6.025	78	2065107	320.663	ug/l	99
52) Toluene	8.702	92	1041690	254.610	ug/l	99
67) Ethyl Benzene	10.177	91	167930	18.671	ug/l	97
68) m/p-Xylenes	10.281	106	381106	114.046	ug/l	99
69) o-Xylene	10.622	106	350275	108.572	ug/l	99
70) Styrene	10.640	104	153353	27.916	ug/l #	69
73) Isopropylbenzene	10.945	105	10586	1.216	ug/l	100
78) n-propylbenzene	11.287	91	23642	2.345	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	109091	15.140	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	310416	43.167	ug/l	98
95) Naphthalene	13.756	128	1859688	268.605	ug/l	100

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

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Quant Title : SW846 8260
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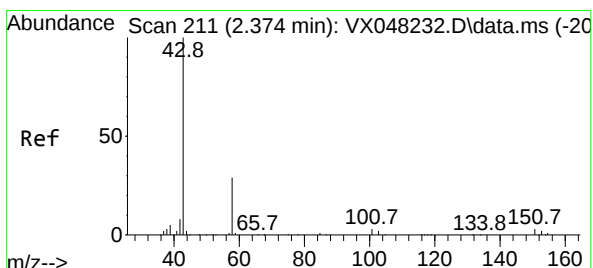
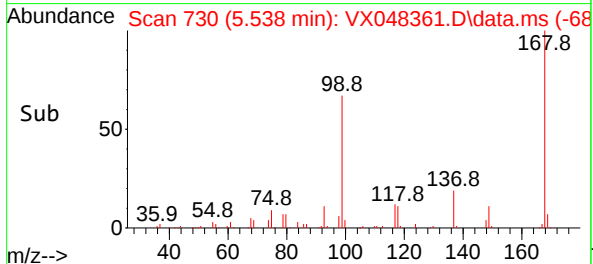
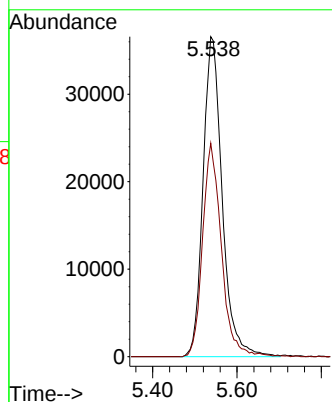
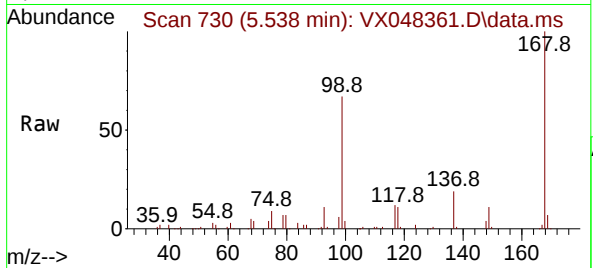




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

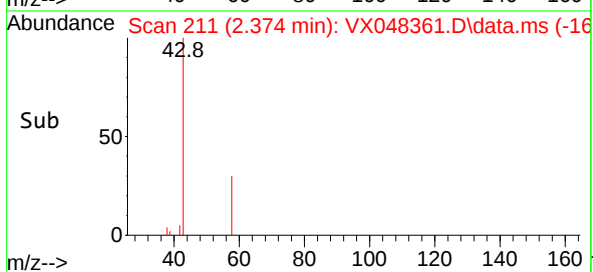
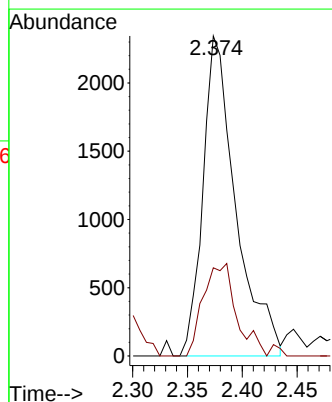
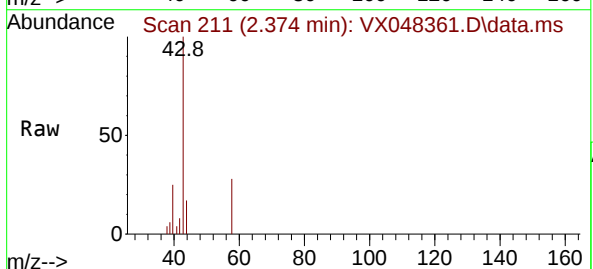
Instrument :
MSVOA_X
ClientSampleId :
SB-16

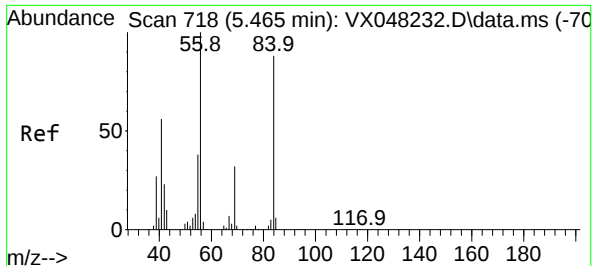
Tgt Ion:168 Resp: 115678
Ion Ratio Lower Upper
168 100
99 66.7 46.4 69.6



#16
Acetone
Concen: 8.794 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
58 27.6 23.4 35.2

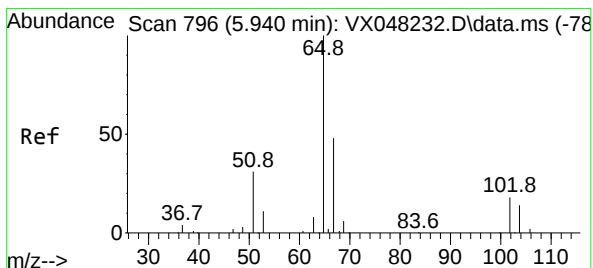
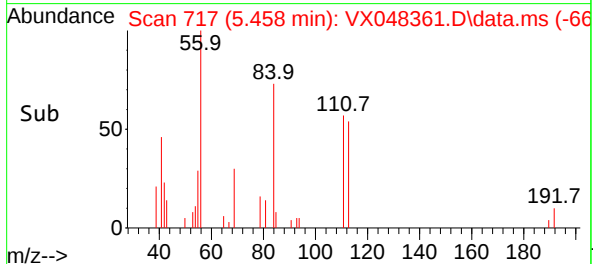
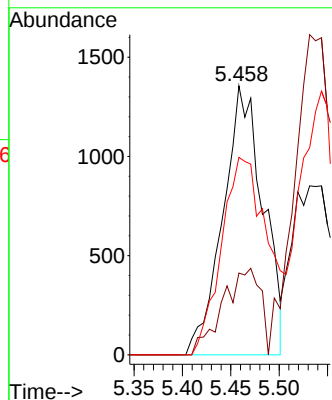
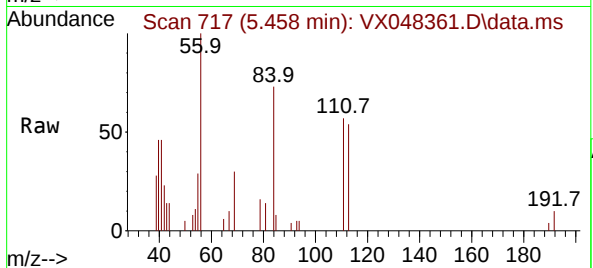




#31
Cyclohexane
Concen: 1.942 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

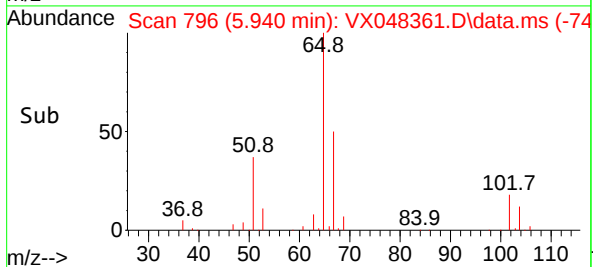
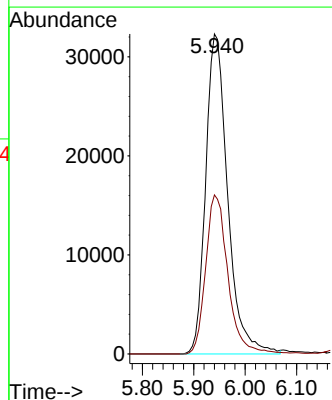
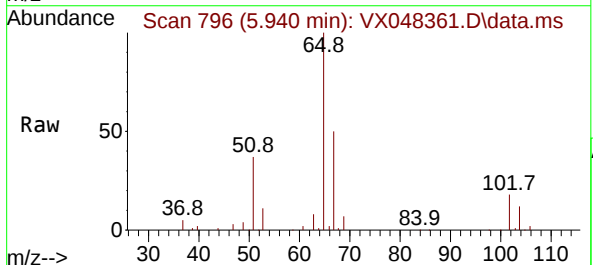
Instrument :
MSVOA_X
ClientSampleId :
SB-16

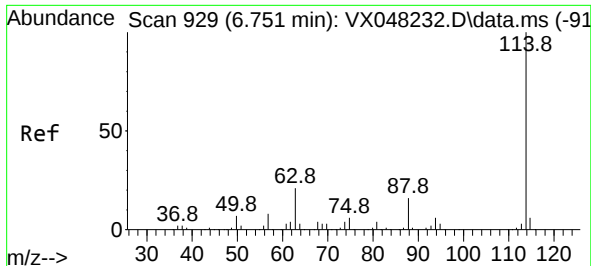
Tgt Ion: 56 Resp: 3910
Ion Ratio Lower Upper
56 100
69 30.4 23.0 34.6
84 73.4 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 59.218 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion: 65 Resp: 96045
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0

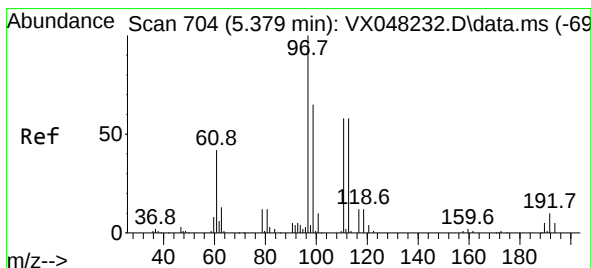
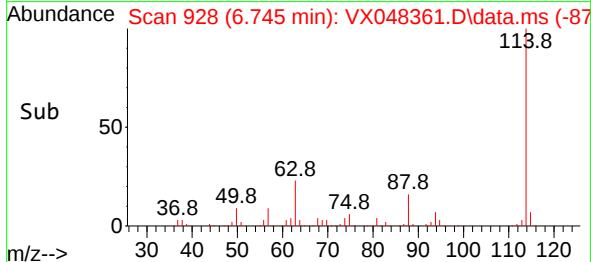
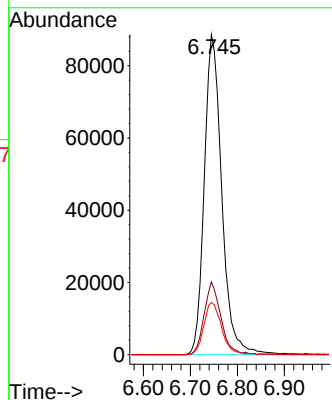
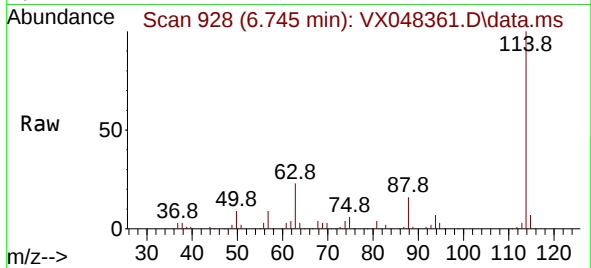




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

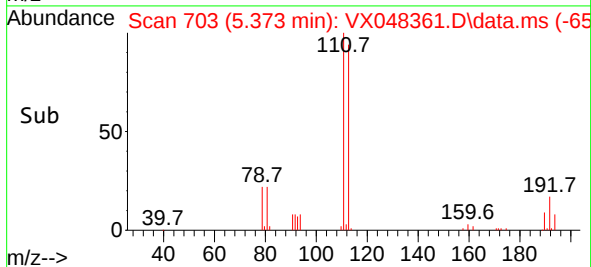
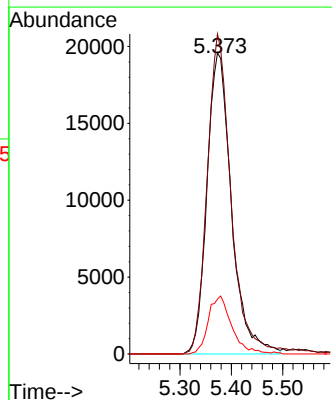
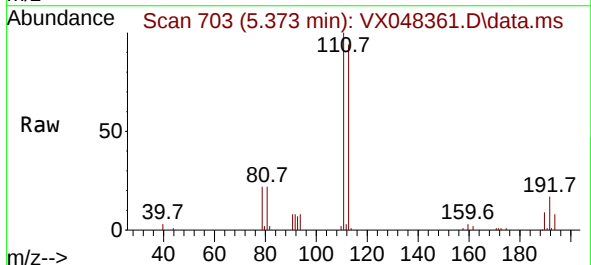
Instrument :
MSVOA_X
ClientSampleId :
SB-16

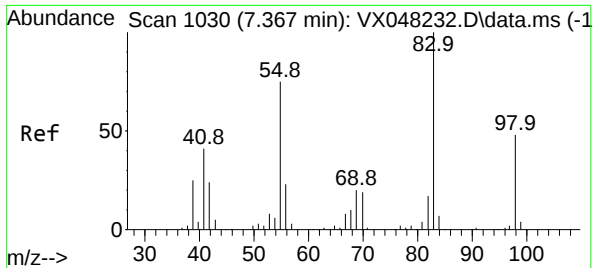
Tgt Ion:114 Resp: 228601
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 41.409 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion:113 Resp: 64625
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 18.4 15.1 22.7

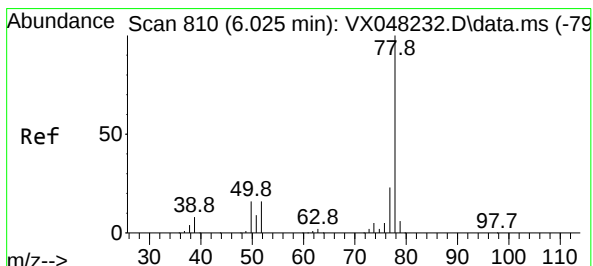
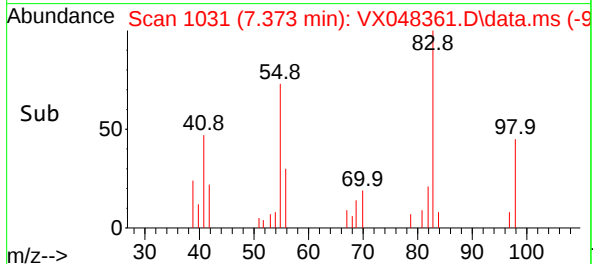
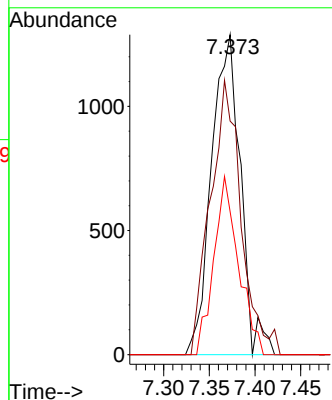
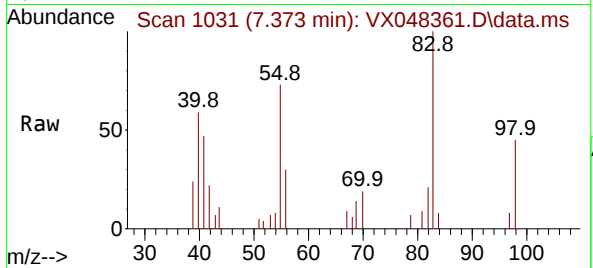




#39
Methylcyclohexane
Concen: 1.084 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

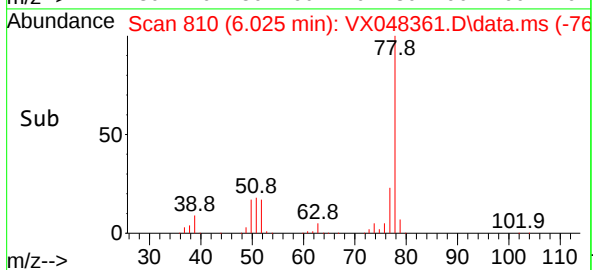
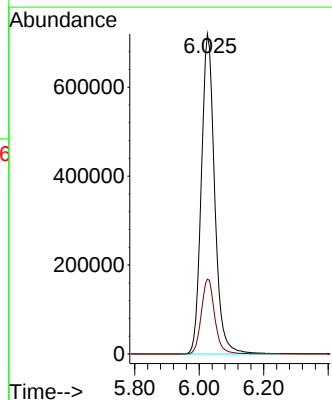
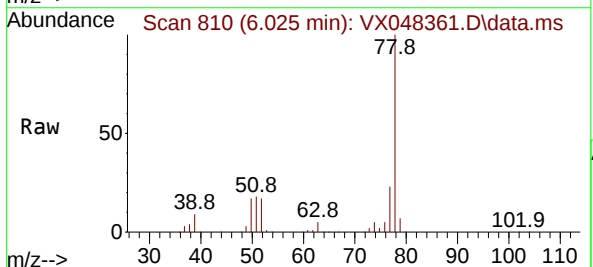
Instrument :
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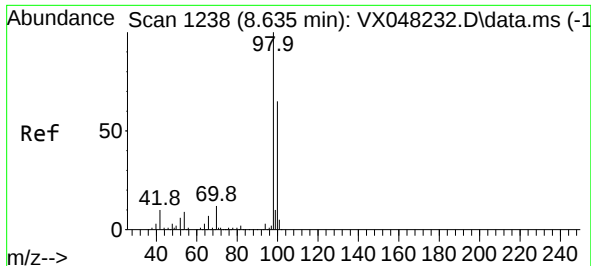
Tgt Ion: 83 Resp: 2841
Ion Ratio Lower Upper
83 100
55 73.0 66.2 99.2
98 44.7 38.9 58.3



#40
Benzene
Concen: 320.663 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion: 78 Resp: 2065107
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9

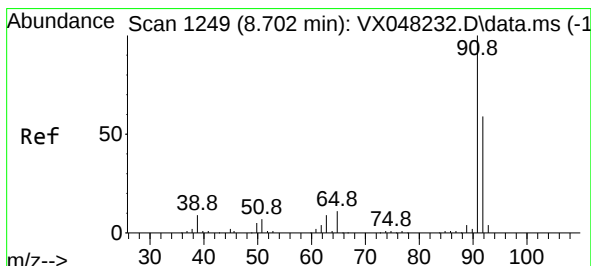
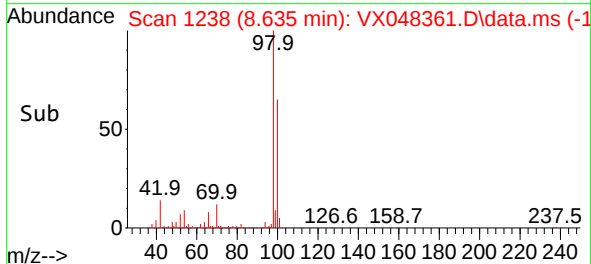
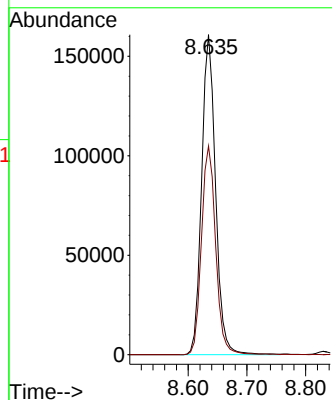
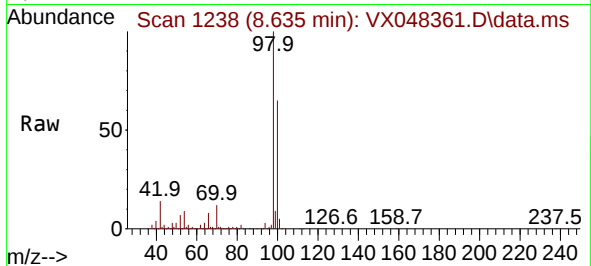




#50
Toluene-d8
Concen: 48.304 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

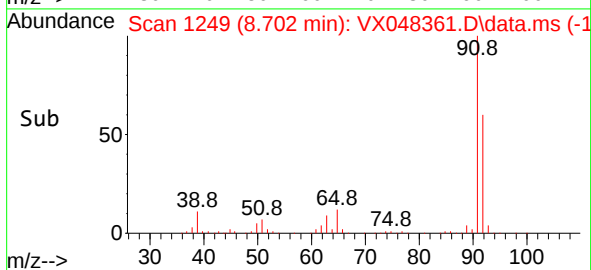
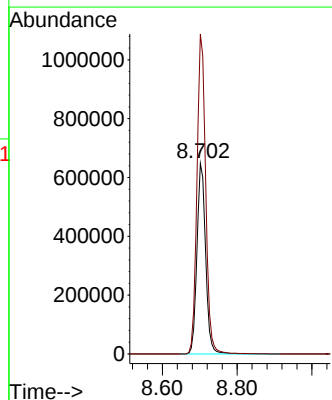
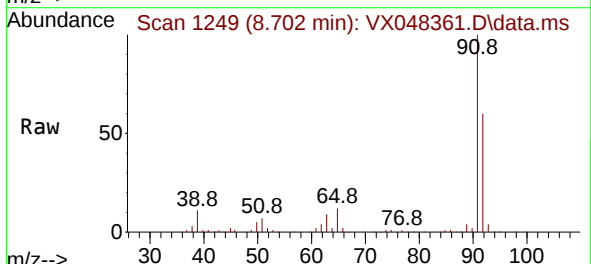
Instrument :
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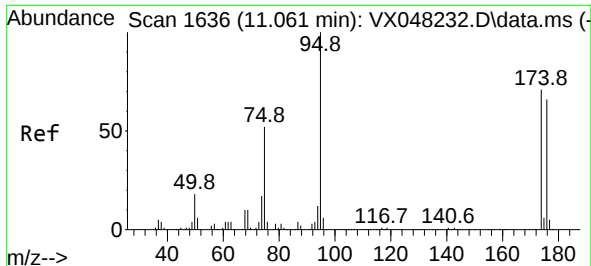
Tgt Ion: 98 Resp: 264232
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#52
Toluene
Concen: 254.610 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion: 92 Resp: 1041690
Ion Ratio Lower Upper
92 100
91 169.1 136.1 204.1

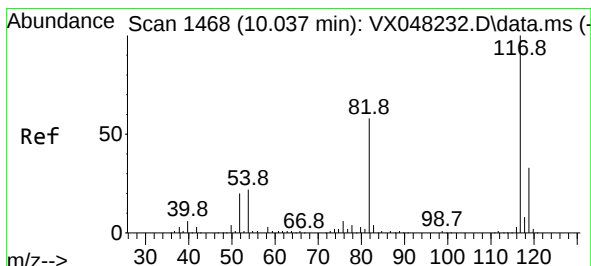
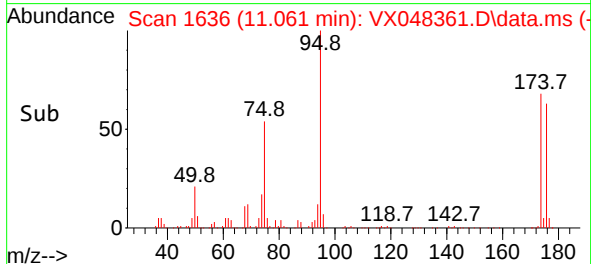
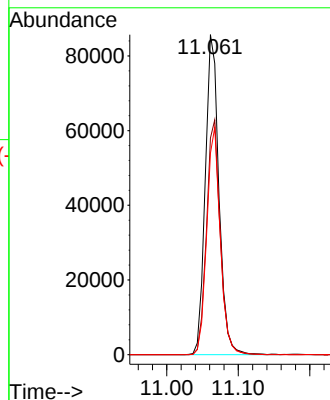
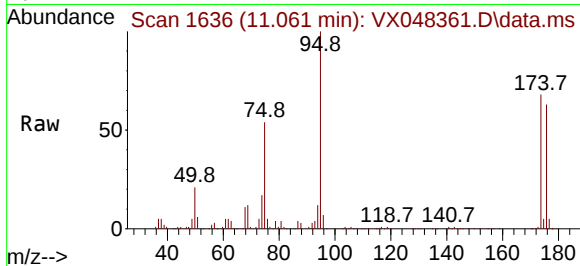




#62
4-Bromofluorobenzene
Concen: 54.682 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

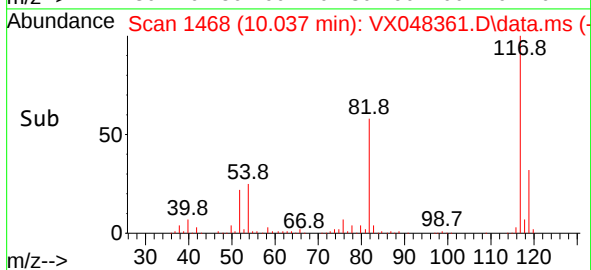
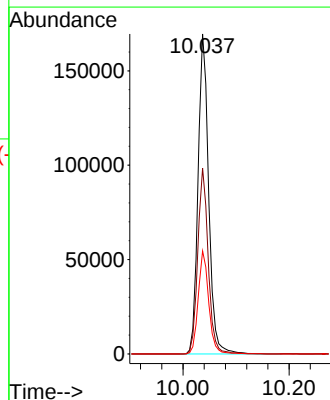
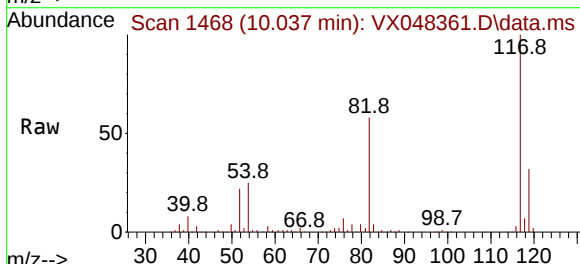
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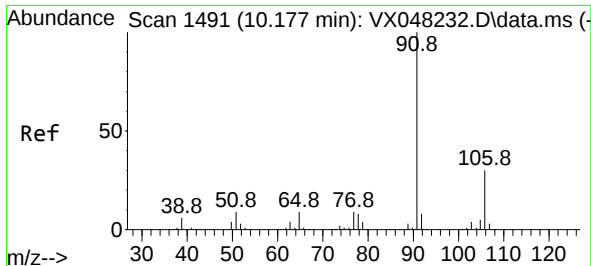
Tgt Ion: 95 Resp: 113794
Ion Ratio Lower Upper
95 100
174 73.5 0.0 147.8
176 70.2 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion: 117 Resp: 234832
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.2 25.9 38.9





#67

Ethyl Benzene

Concen: 18.671 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048361.D

Acq: 27 Oct 2025 11:36

Instrument :

MSVOA_X

ClientSampleId :

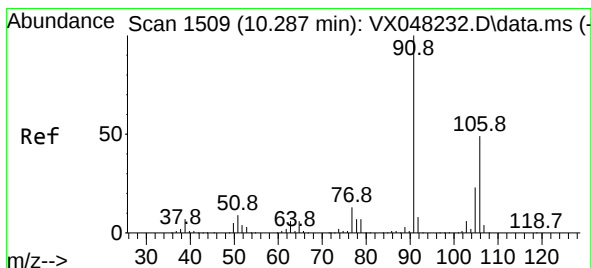
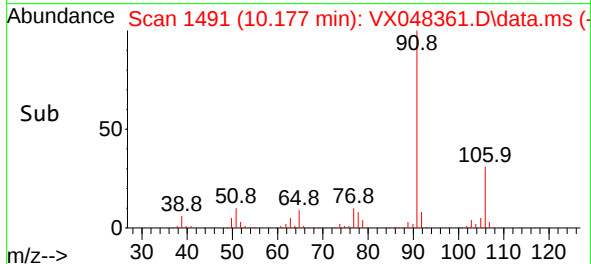
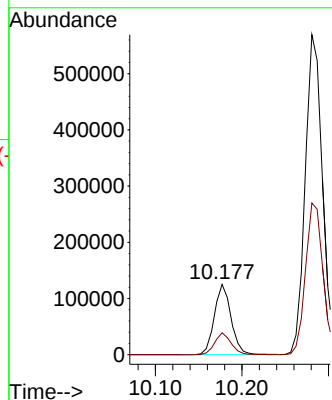
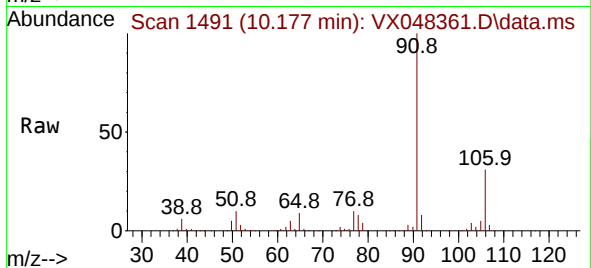
SB-16

Tgt Ion: 91 Resp: 167930

Ion Ratio Lower Upper

91 100

106 31.1 23.8 35.6



#68

m/p-Xylenes

Concen: 114.046 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048361.D

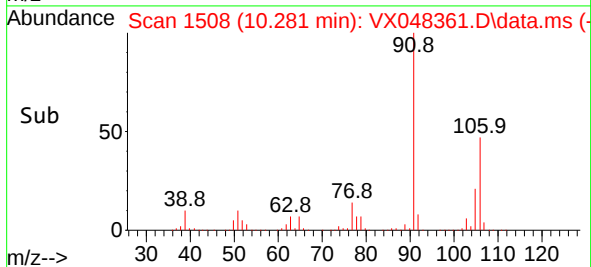
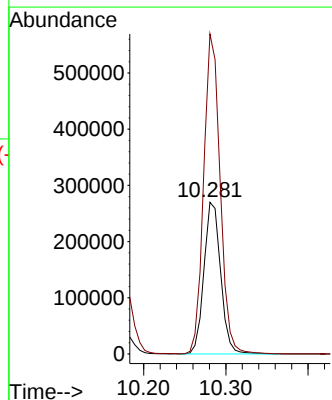
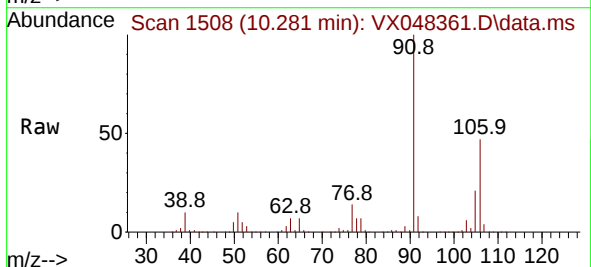
Acq: 27 Oct 2025 11:36

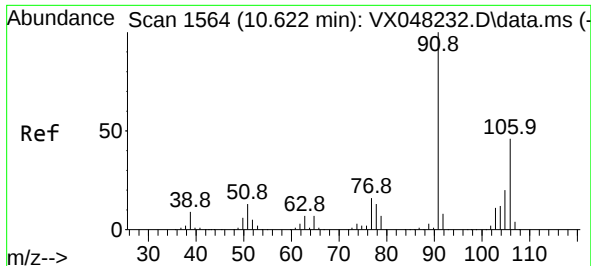
Tgt Ion:106 Resp: 381106

Ion Ratio Lower Upper

106 100

91 207.8 167.9 251.9

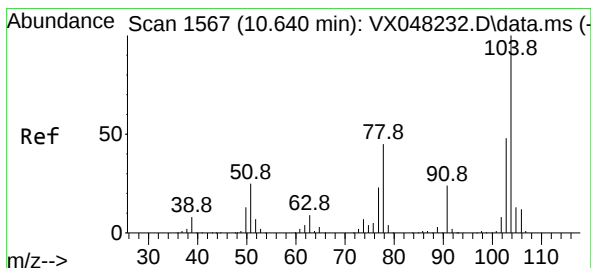
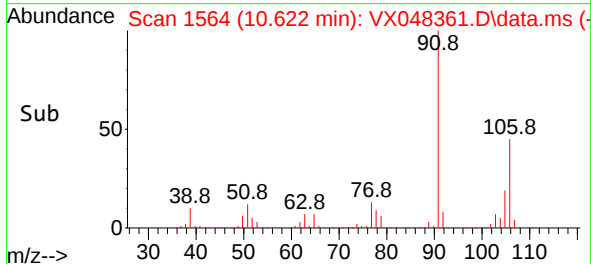
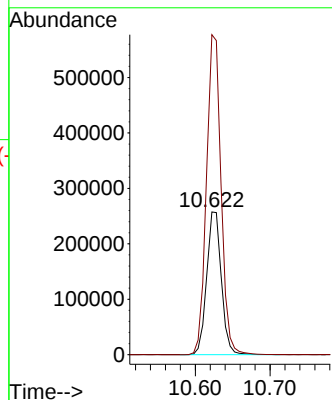
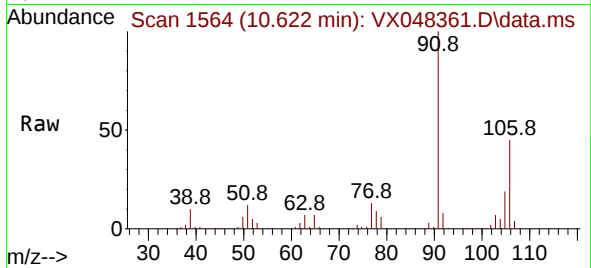




#69
o-Xylene
Concen: 108.572 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

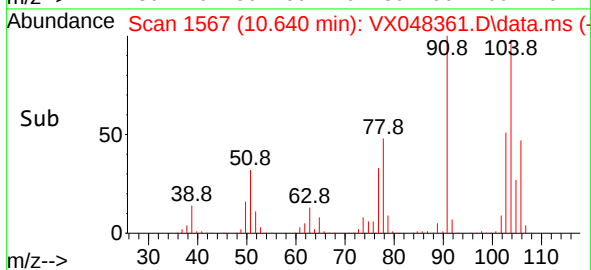
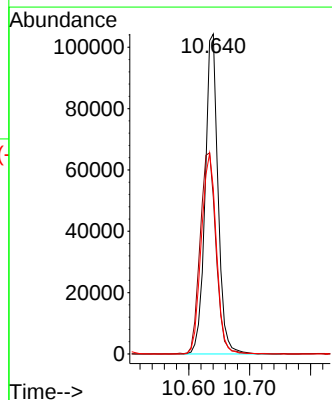
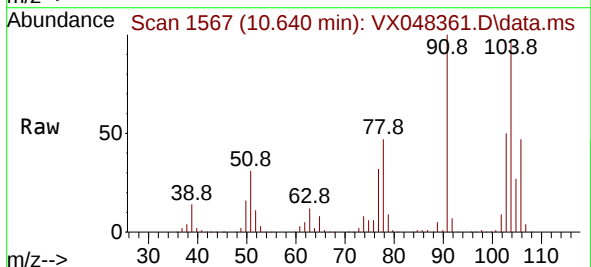
Instrument :
MSVOA_X
ClientSampleId :
SB-16

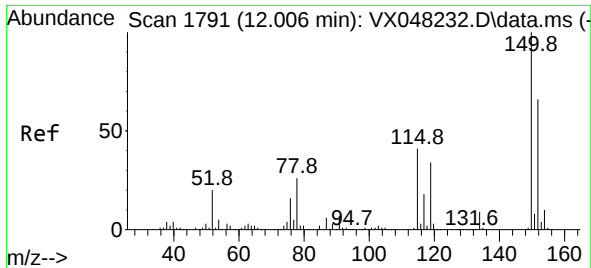
Tgt Ion:106 Resp: 350275
Ion Ratio Lower Upper
106 100
91 223.5 111.3 333.9



#70
Styrene
Concen: 27.916 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion:104 Resp: 153353
Ion Ratio Lower Upper
104 100
78 77.3 42.2 63.4#
103 73.3 43.0 64.4#

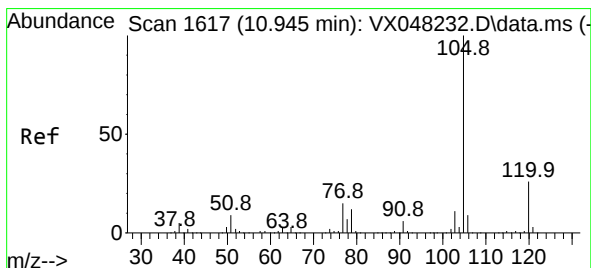
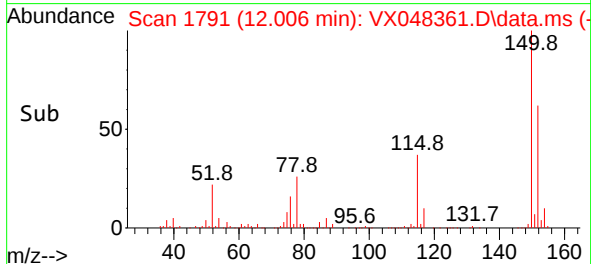
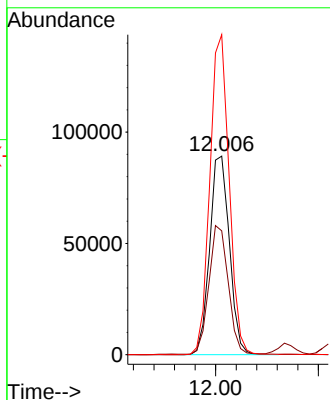
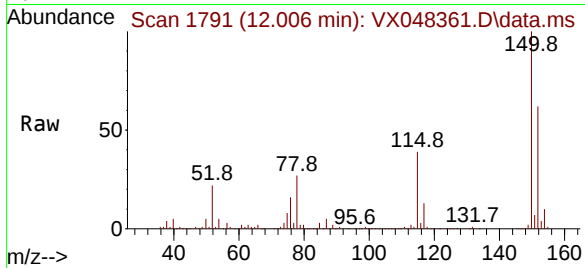




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

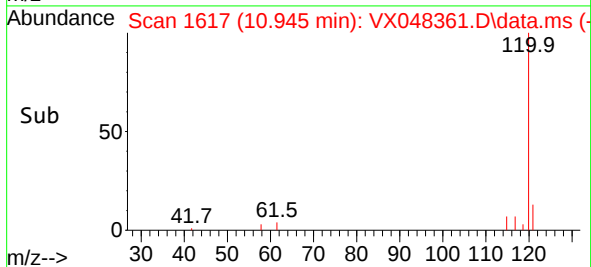
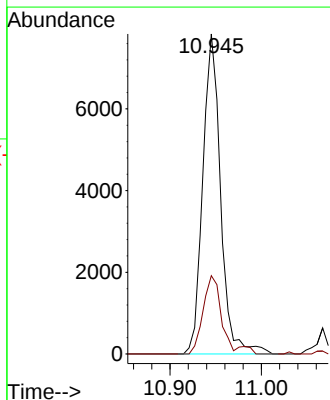
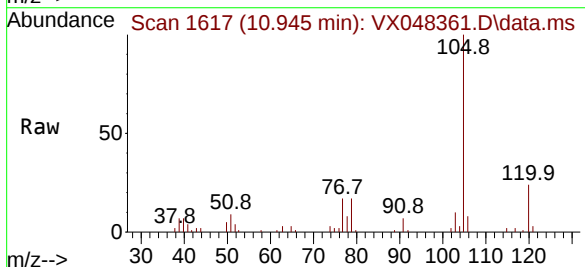
Instrument :
MSVOA_X
ClientSampleId :
SB-16

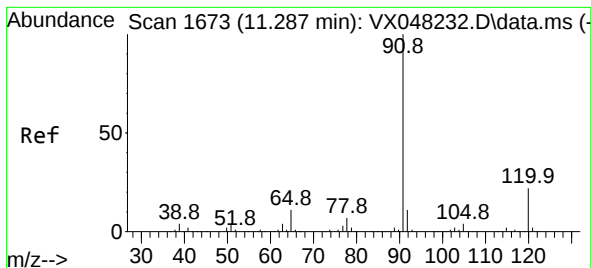
Tgt Ion:152 Resp: 119211
Ion Ratio Lower Upper
152 100
115 63.3 43.1 129.4
150 157.0 0.0 353.0



#73
Isopropylbenzene
Concen: 1.216 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048361.D
Acq: 27 Oct 2025 11:36

Tgt Ion:105 Resp: 10586
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9





#78

n-propylbenzene

Concen: 2.345 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048361.D

Acq: 27 Oct 2025 11:36

Instrument :

MSVOA_X

ClientSampleId :

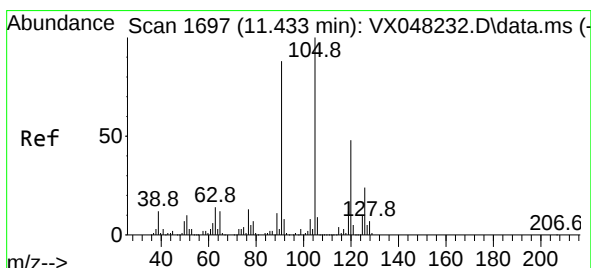
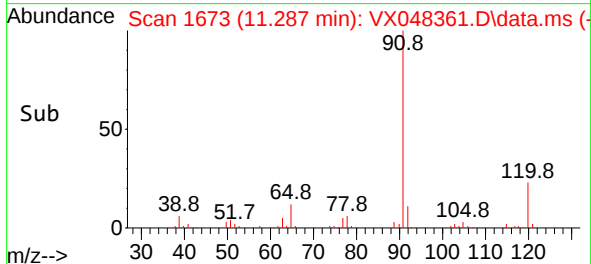
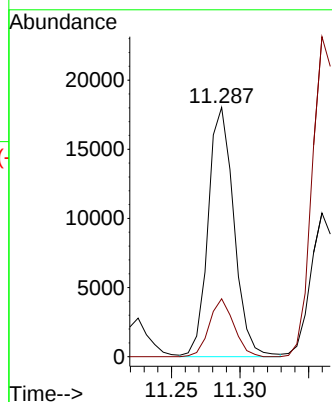
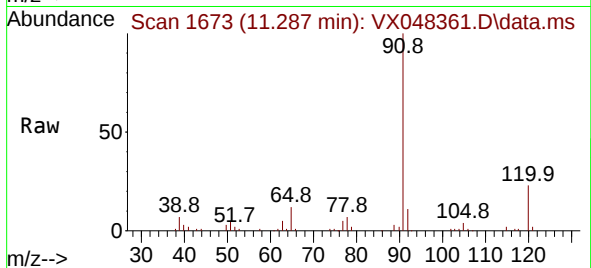
SB-16

Tgt Ion: 91 Resp: 23642

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.1



#80

1,3,5-Trimethylbenzene

Concen: 15.140 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048361.D

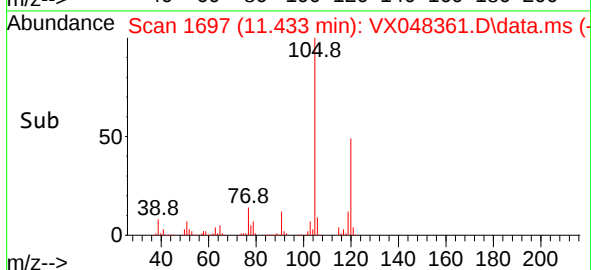
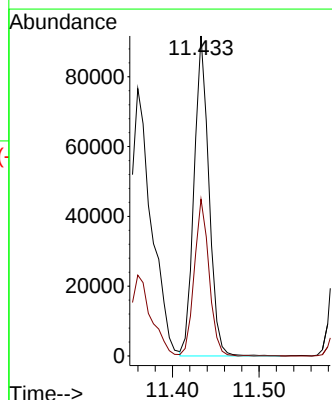
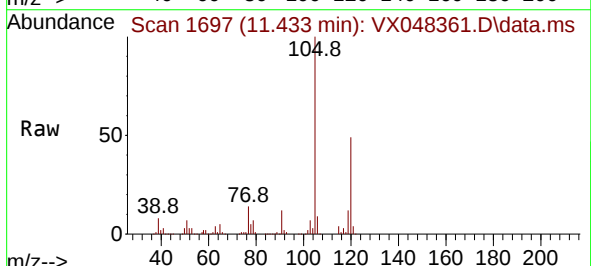
Acq: 27 Oct 2025 11:36

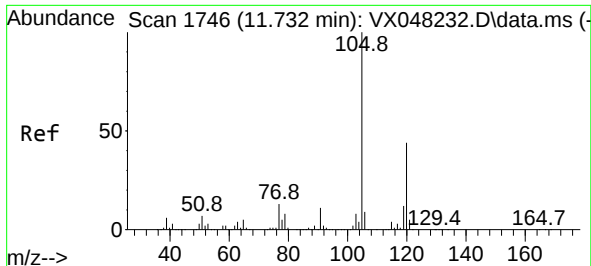
Tgt Ion:105 Resp: 109091

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0

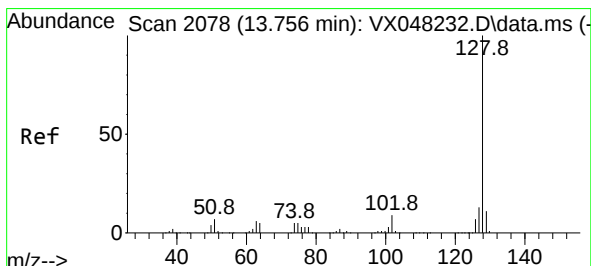
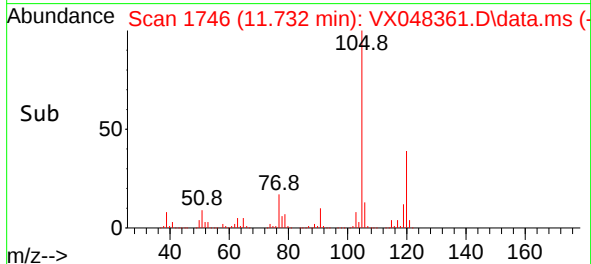
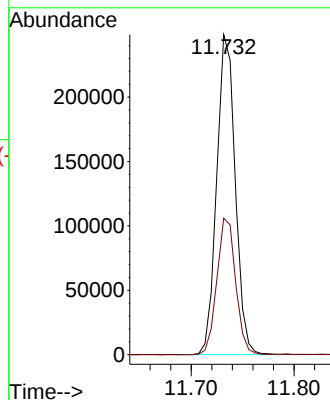
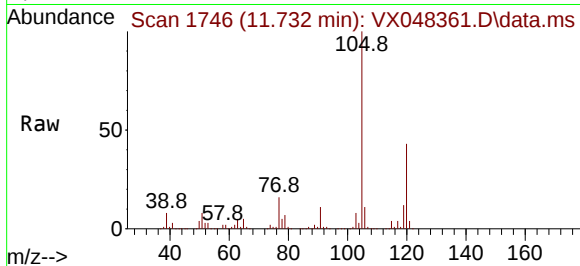




#84
 1,2,4-Trimethylbenzene
 Concen: 43.167 ug/l
 RT: 11.732 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048361.D
 Acq: 27 Oct 2025 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-16

Tgt Ion:105 Resp: 310416
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.1 66.5



#95
 Naphthalene
 Concen: 268.605 ug/l
 RT: 13.756 min Scan# 2078
 Delta R.T. -0.000 min
 Lab File: VX048361.D
 Acq: 27 Oct 2025 11:36

Tgt Ion:128 Resp: 1859688
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.4
 129 10.9 8.6 12.8

