

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048399.D
 Acq On : 28 Oct 2025 15:11
 Operator : JC/MD
 Sample : Q3472-12 20X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

Quant Time: Oct 29 01:21:05 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)

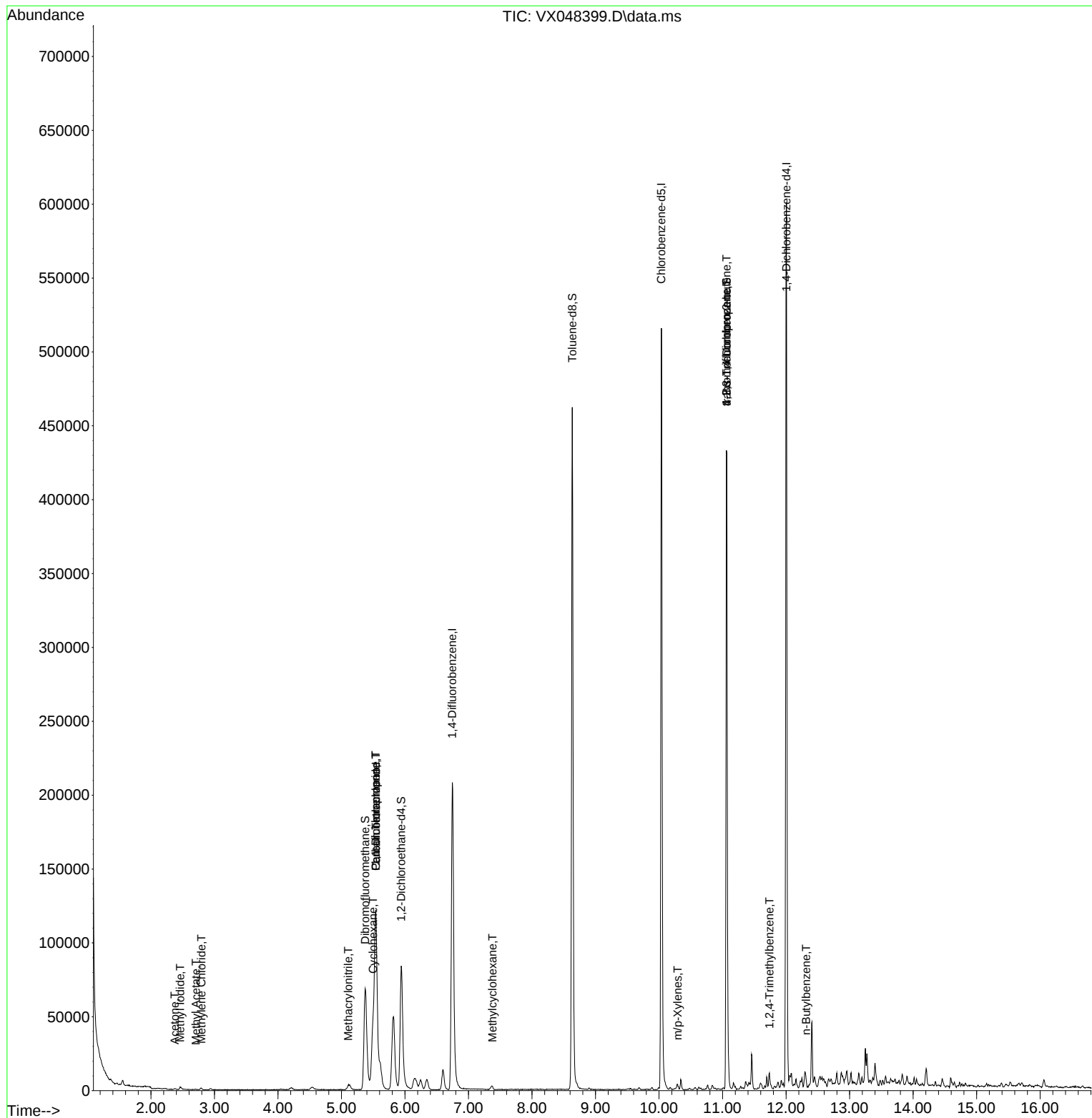
Internal Standards						
1) Pentafluorobenzene	5.544	168	119734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	238603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94227	56.129	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.260%
35) Dibromofluoromethane	5.373	113	69603	42.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.460%
50) Toluene-d8	8.634	98	291645	51.080	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.160%
62) 4-Bromofluorobenzene	11.061	95	129337	59.545	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.100%
Target Compounds						
						Qvalue
10) Methyl Iodide	2.459	142	2211	1.361	ug/l	99
16) Acetone	2.373	43	906	1.573	ug/l #	67
18) Methyl Acetate	2.709	43	531	0.441	ug/l #	54
20) Methylene Chloride	2.794	84	661	0.471	ug/l #	79
31) Cyclohexane	5.495	56	13675	6.562	ug/l #	50
36) 1,1-Dichloropropene	5.537	75	9793	4.230	ug/l #	46
38) Carbon Tetrachloride	5.544	117	12789	4.477	ug/l #	16
39) Methylcyclohexane	7.379	83	1130	0.413	ug/l #	86
41) Methacrylonitrile	5.105	41	525	0.521	ug/l #	23
68) m/p-Xylenes	10.293	106	966	0.275	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	66223	31.409	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	66223	76.416	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.738	105	4507	0.575	ug/l	99
89) n-Butylbenzene	12.317	91	1910	0.250	ug/l #	60

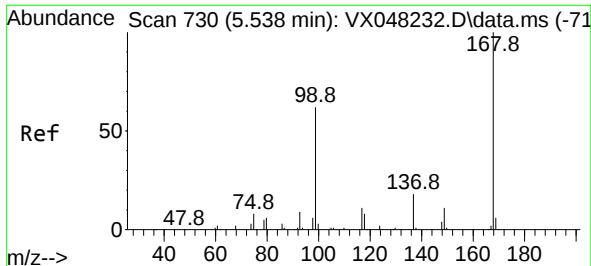
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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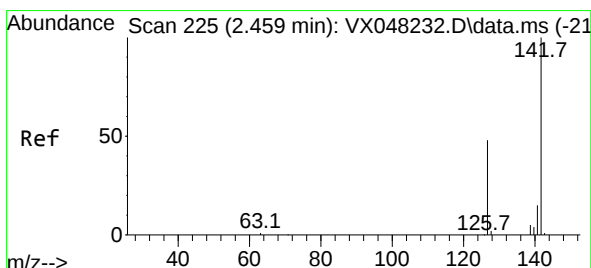
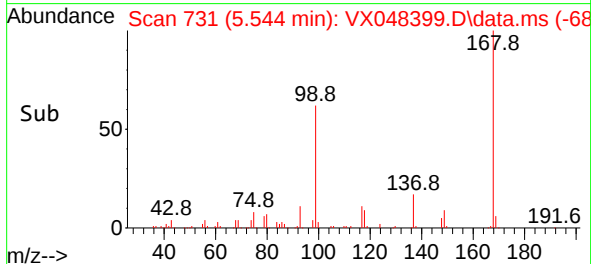
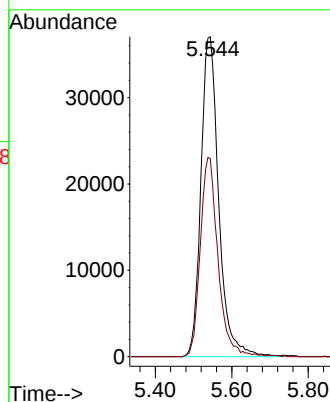
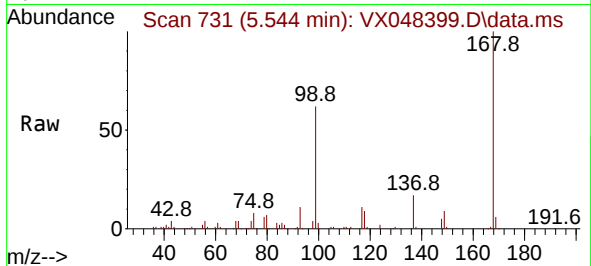




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

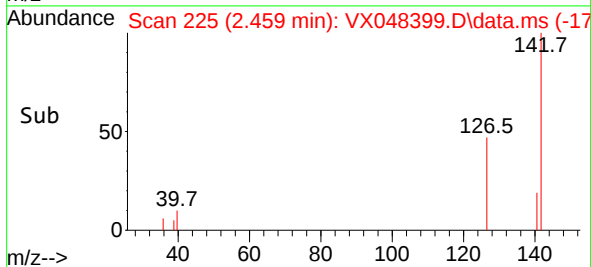
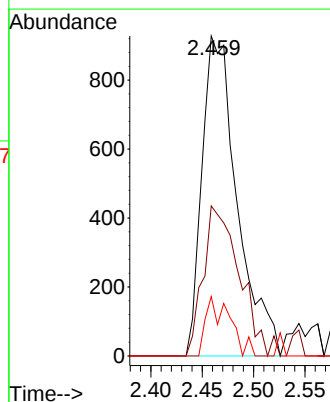
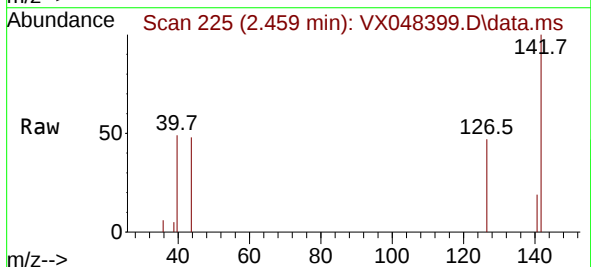
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

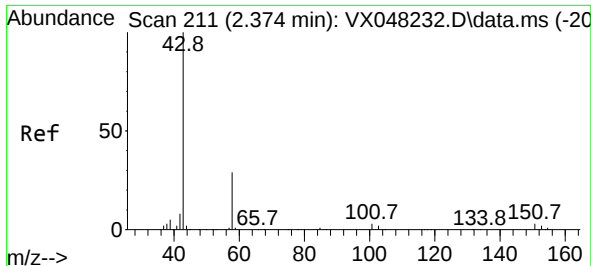
Tgt Ion:168 Resp: 119734
Ion Ratio Lower Upper
168 100
99 61.9 46.4 69.6



#10
Methyl Iodide
Concen: 1.361 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion:142 Resp: 2211
Ion Ratio Lower Upper
142 100
127 48.3 38.5 57.7
141 12.7 11.6 17.4

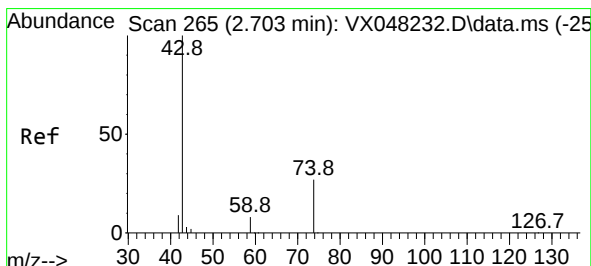
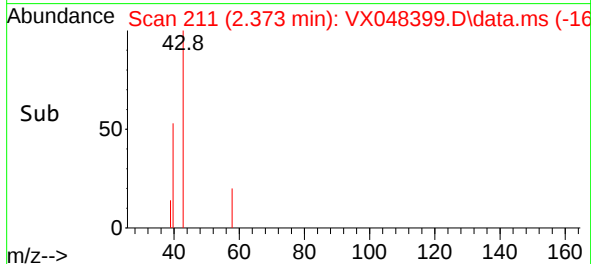
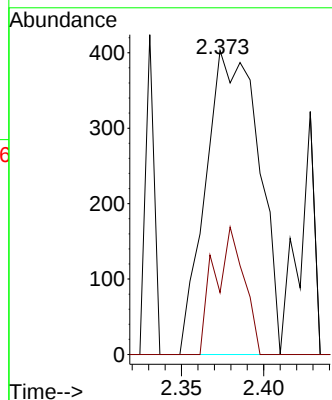
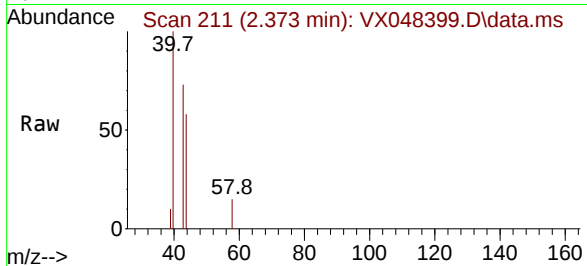




#16
Acetone
Concen: 1.573 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

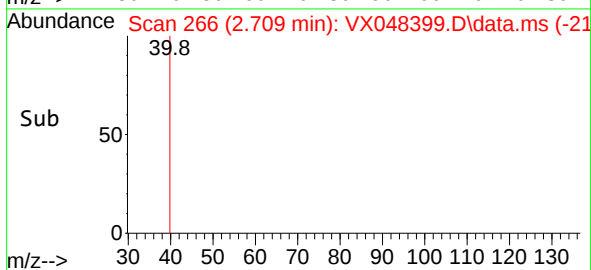
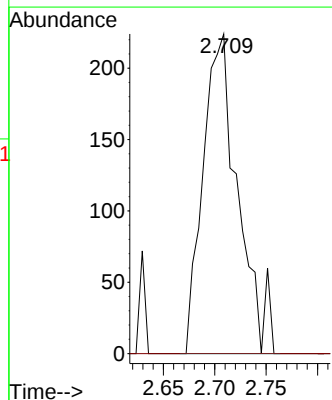
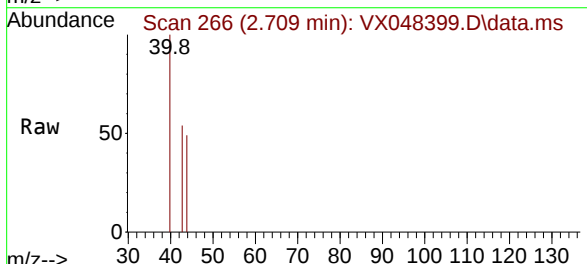
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

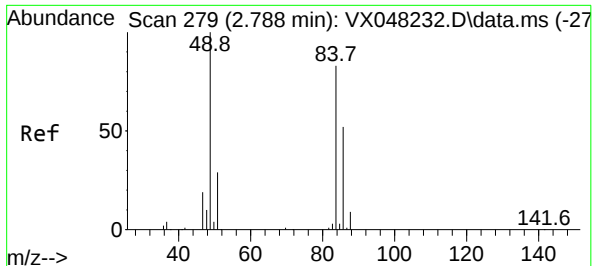
Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 11.3 23.4 35.2#



#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

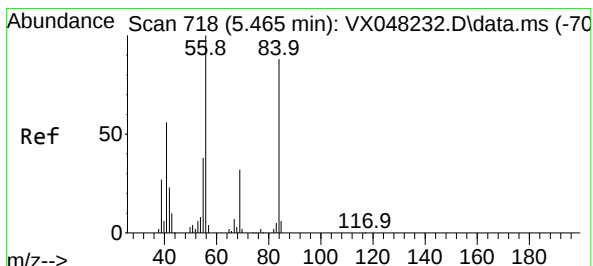
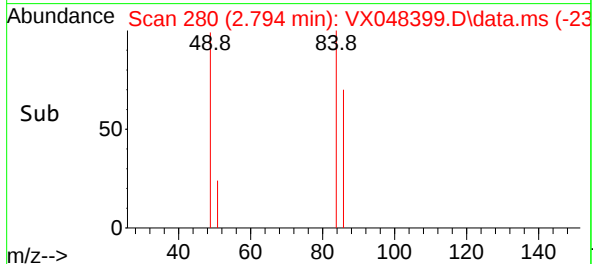
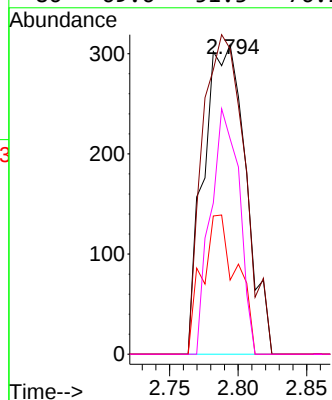
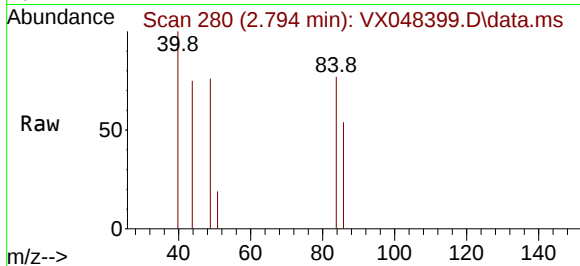




#20
Methylene Chloride
Concen: 0.471 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

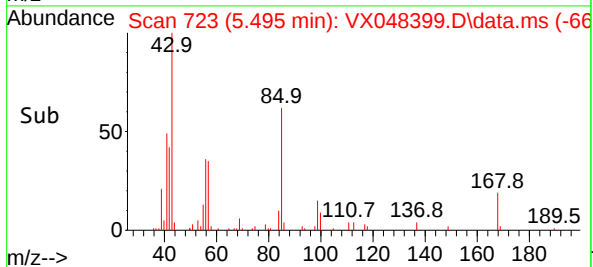
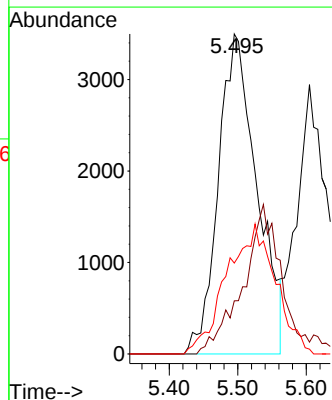
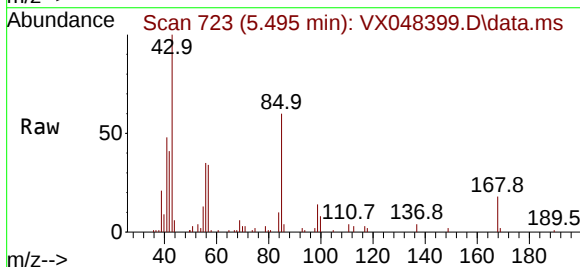
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

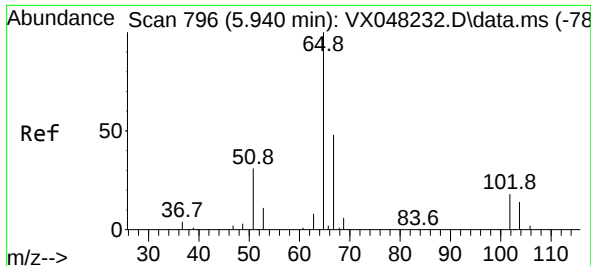
Tgt Ion:	84	Resp:	661
Ion	Ratio	Lower	Upper
84	100		
49	98.7	104.1	156.1#
51	23.9	31.3	46.9#
86	69.6	51.3	76.9



#31
Cyclohexane
Concen: 6.562 ug/l
RT: 5.495 min Scan# 723
Delta R.T. 0.036 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion:	56	Resp:	13675
Ion	Ratio	Lower	Upper
56	100		
69	16.6	23.0	34.6#
84	28.4	64.6	97.0#

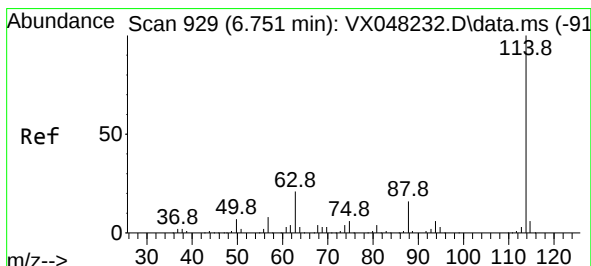
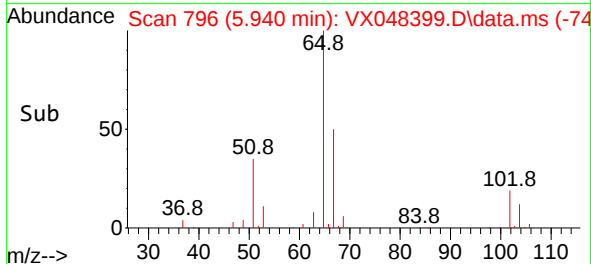
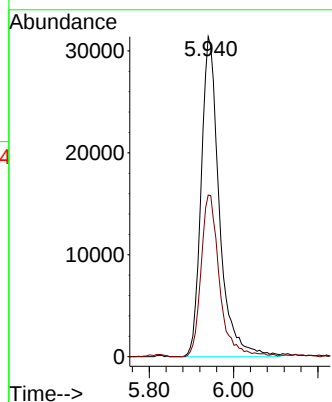
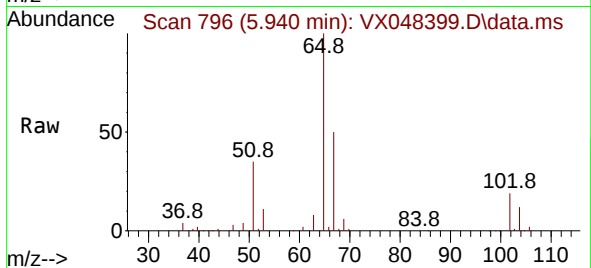




#33
 1,2-Dichloroethane-d4
 Concen: 56.129 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048399.D
 Acq: 28 Oct 2025 15:11

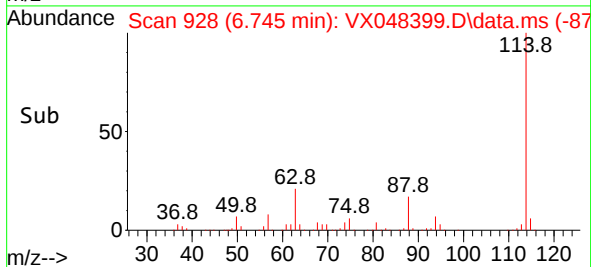
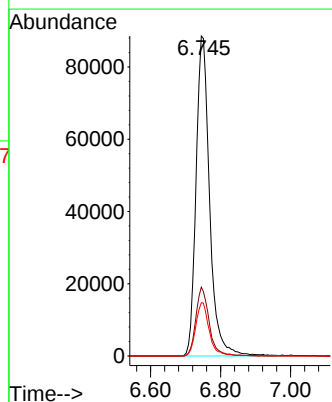
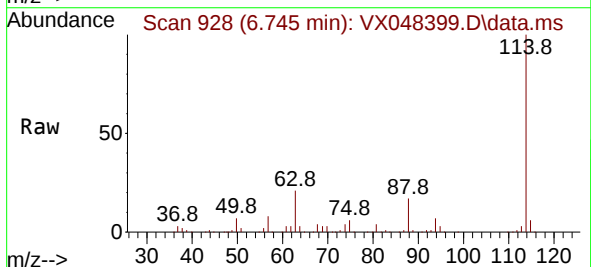
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

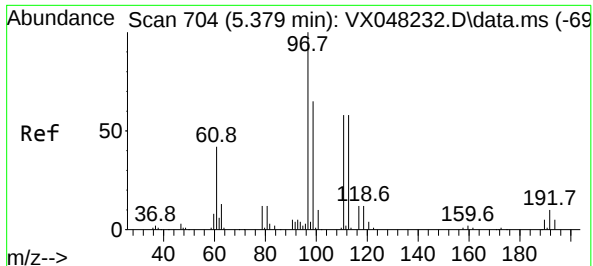
Tgt Ion: 65 Resp: 94227
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048399.D
 Acq: 28 Oct 2025 15:11

Tgt Ion: 114 Resp: 238603
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 42.729 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX048399.D

Acq: 28 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

COMP-5

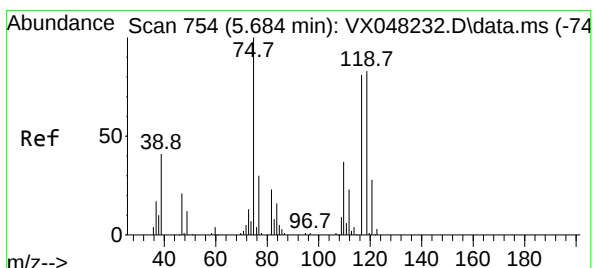
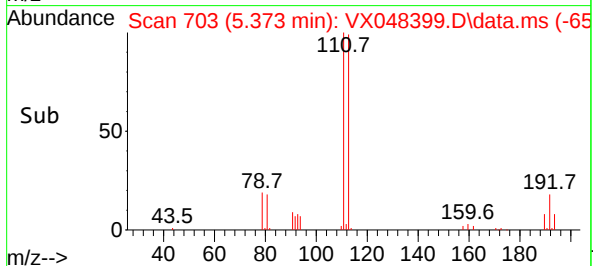
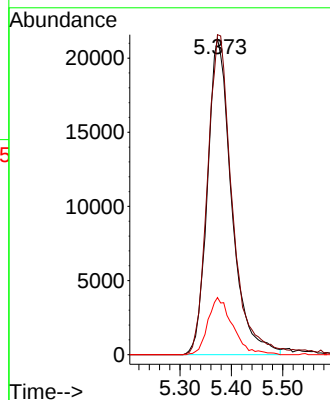
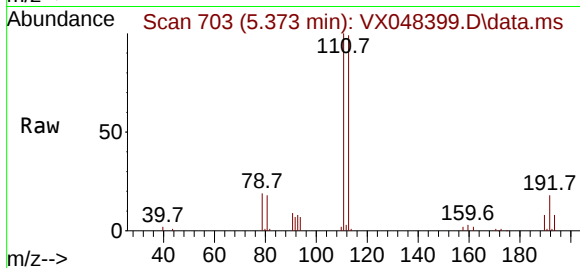
Tgt Ion:113 Resp: 69603

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 18.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX048399.D

Acq: 28 Oct 2025 15:11

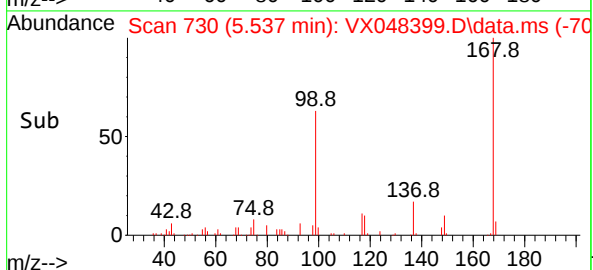
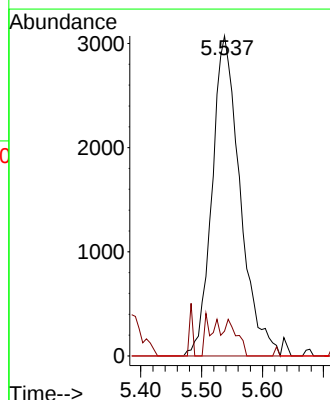
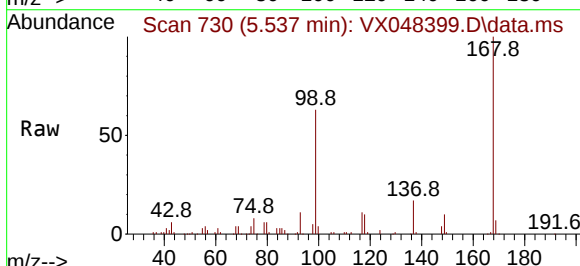
Tgt Ion: 75 Resp: 9793

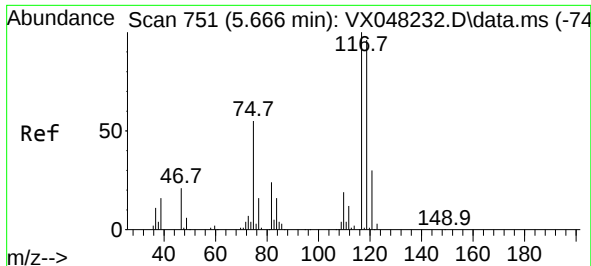
Ion Ratio Lower Upper

75 100

110 4.4 17.7 53.1#

77 0.0 24.3 36.5#

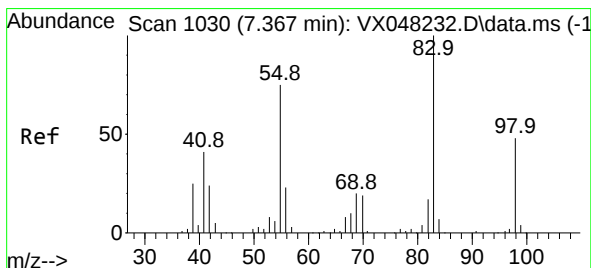
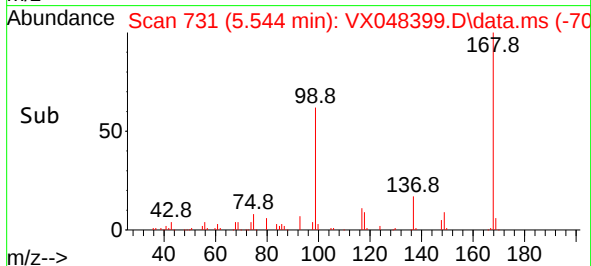
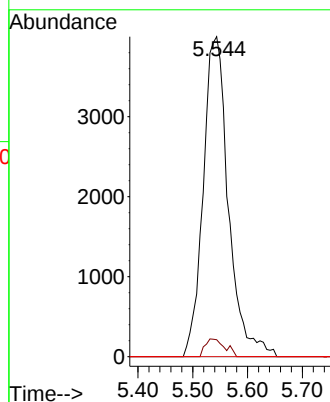
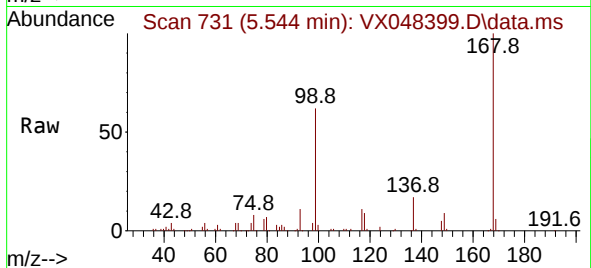




#38
Carbon Tetrachloride
Concen: 4.477 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

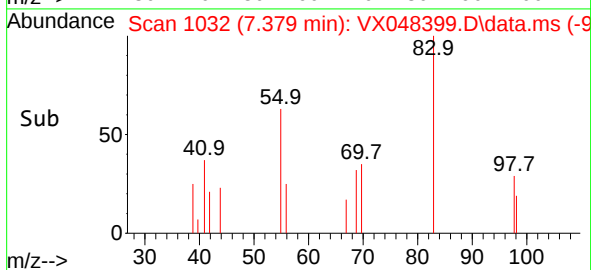
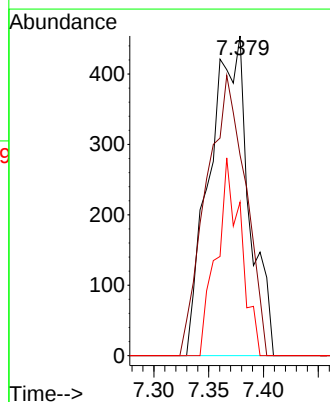
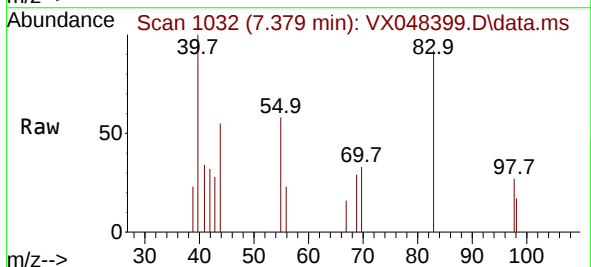
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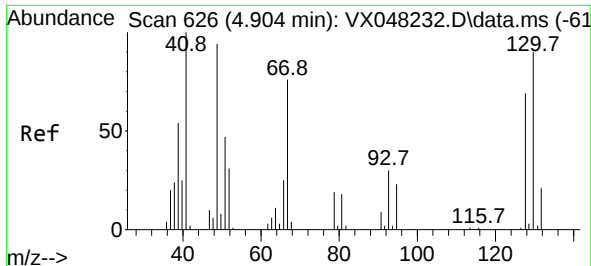
Tgt Ion:117 Resp: 12789
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.413 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.012 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 83 Resp: 1130
Ion Ratio Lower Upper
83 100
55 62.8 66.2 99.2#
98 48.0 38.9 58.3

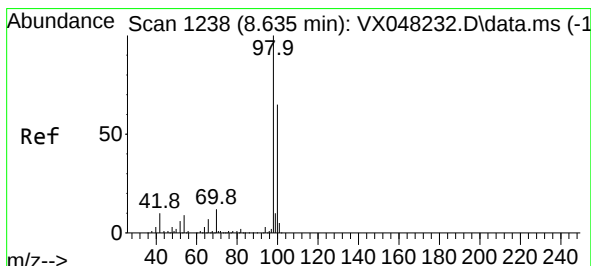
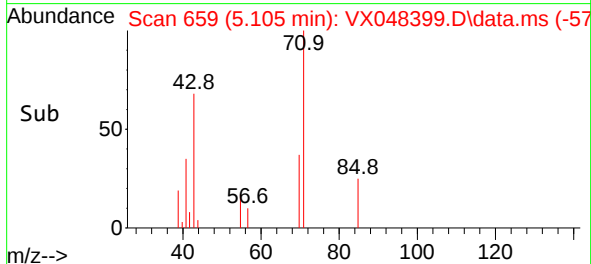
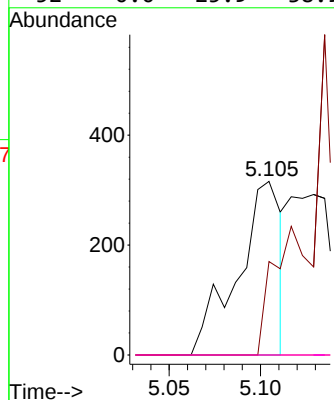
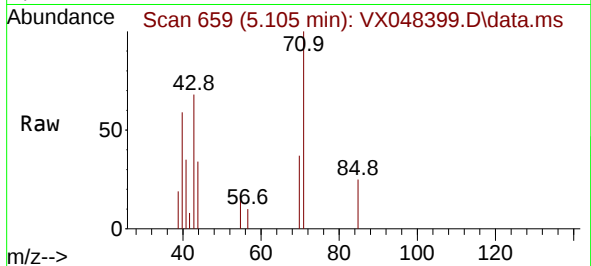




#41
Methacrylonitrile
Concen: 0.521 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.201 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

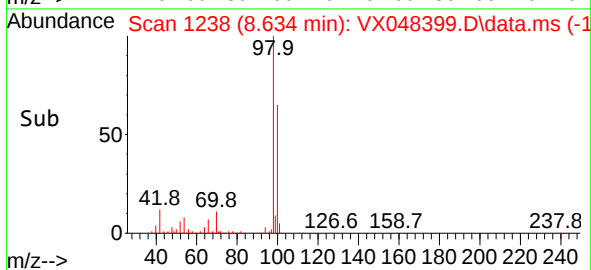
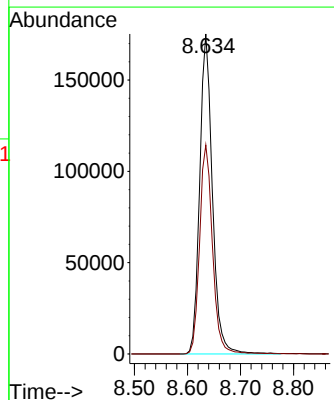
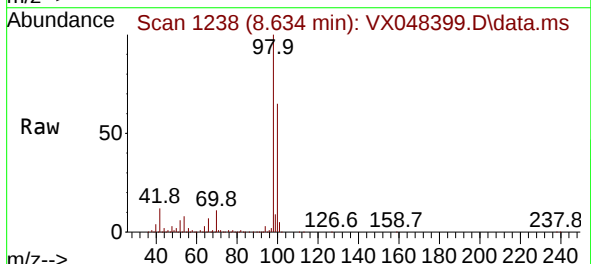
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

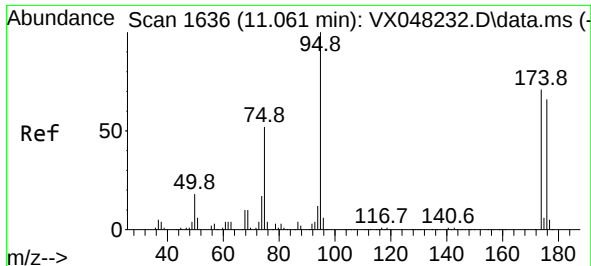
Tgt Ion: 41	Resp: 525
Ion Ratio	Lower Upper
41 100	
39 0.0	44.0 66.0#
67 0.0	58.7 88.1#
52 0.0	25.9 38.9#



#50
Toluene-d8
Concen: 51.080 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 98	Resp: 291645
Ion Ratio	Lower Upper
98 100	
100 66.4	53.0 79.4

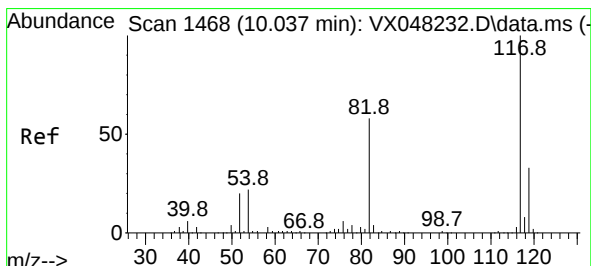
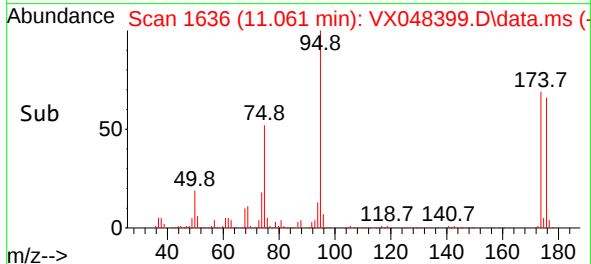
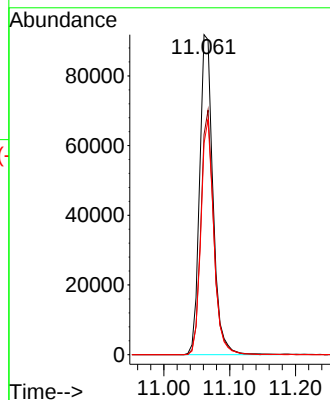
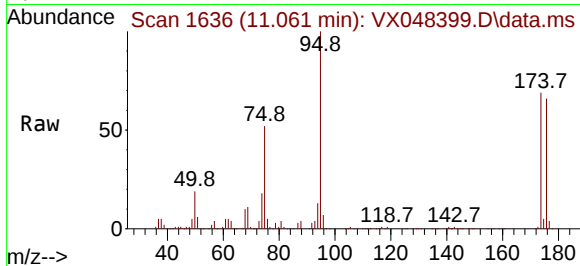




#62
4-Bromofluorobenzene
Concen: 59.545 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

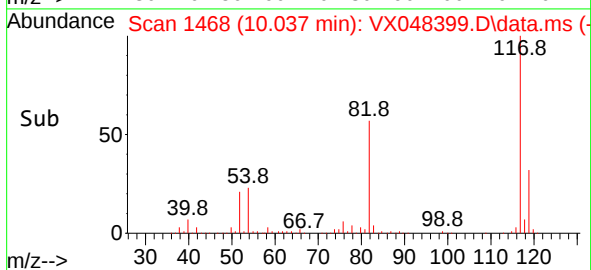
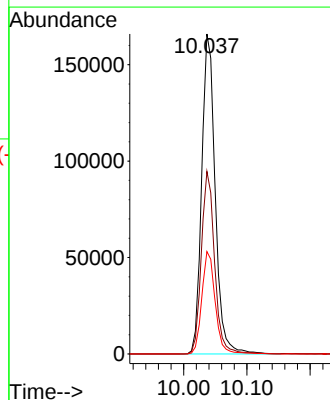
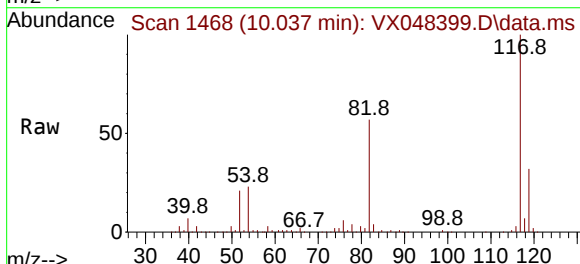
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

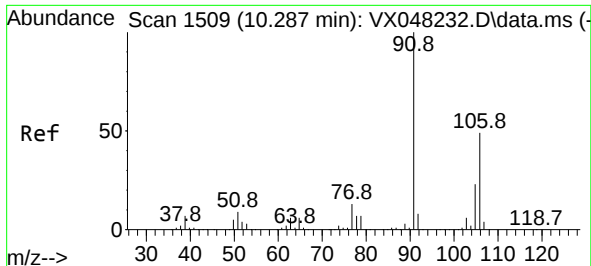
Tgt Ion: 95 Resp: 129337
Ion Ratio Lower Upper
95 100
174 73.5 0.0 147.8
176 71.3 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 117 Resp: 247209
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 32.0 25.9 38.9

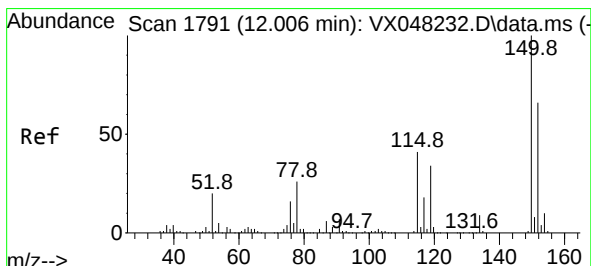
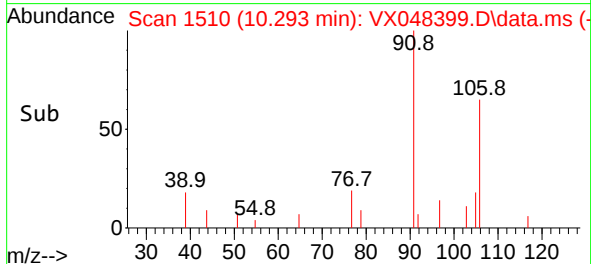
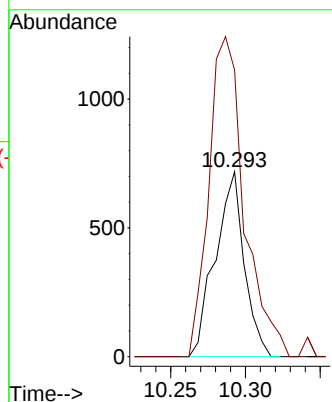
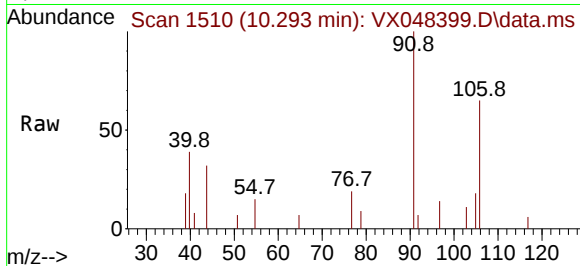




#68
m/p-Xylenes
Concen: 0.275 ug/l
RT: 10.293 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

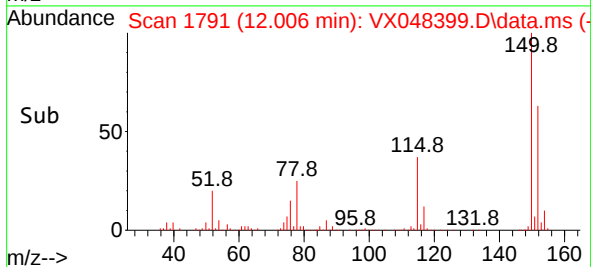
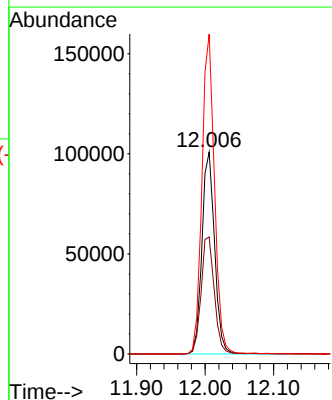
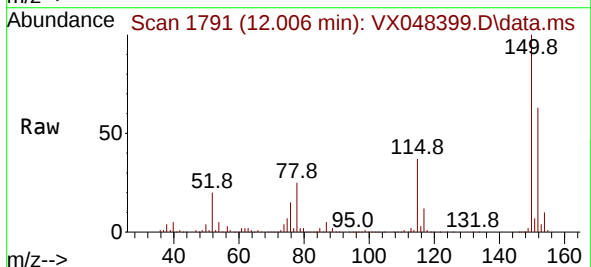
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

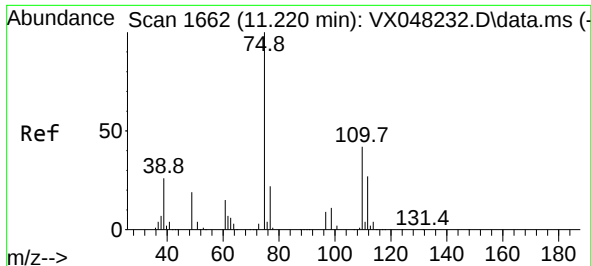
Tgt Ion:106 Resp: 966
Ion Ratio Lower Upper
106 100
91 211.6 167.9 251.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion:152 Resp: 130015
Ion Ratio Lower Upper
152 100
115 60.3 43.1 129.4
150 156.4 0.0 353.0

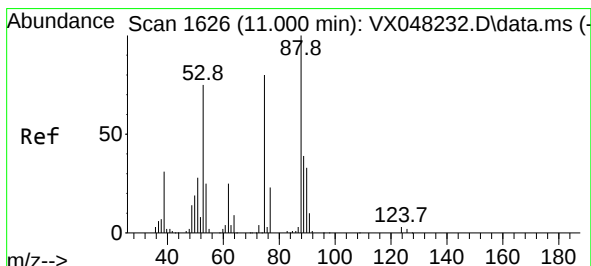
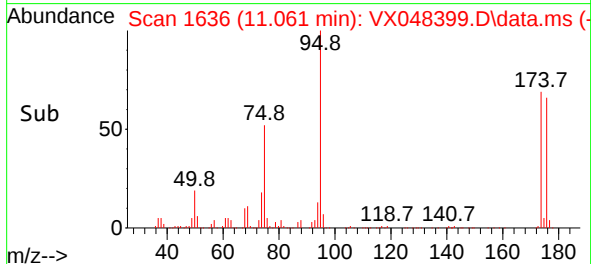
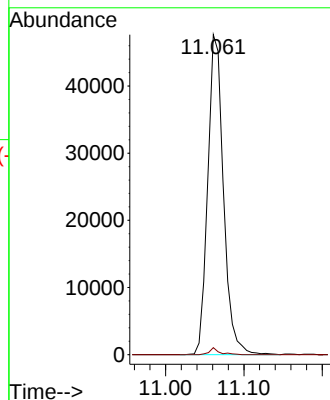
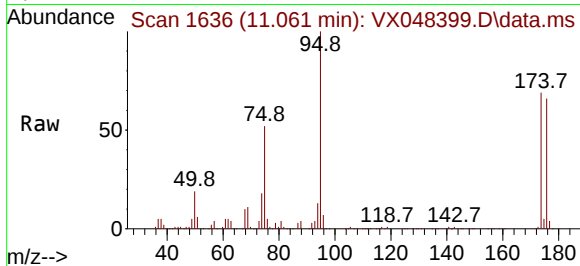




#76
1,2,3-Trichloropropane
Concen: 31.409 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

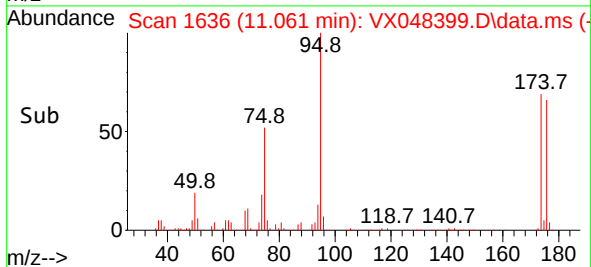
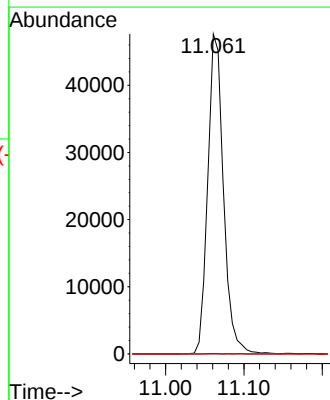
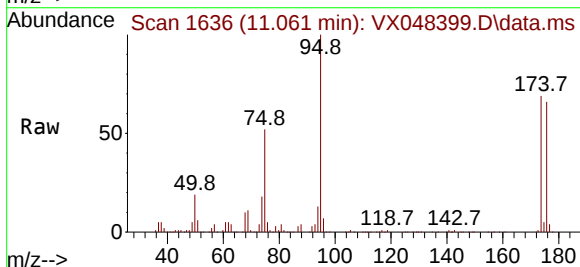
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

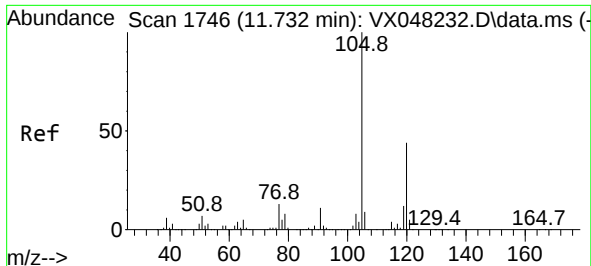
Tgt Ion: 75 Resp: 66223
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.416 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 75 Resp: 66223
Ion Ratio Lower Upper
75 100
53 0.1 79.5 119.3#
89 0.0 36.8 55.2#

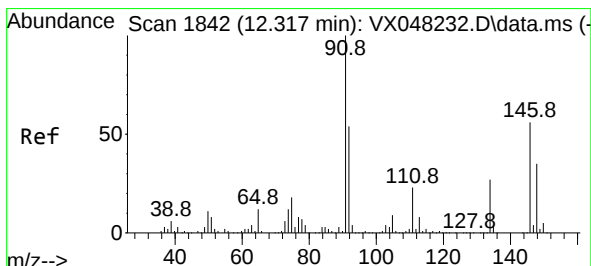
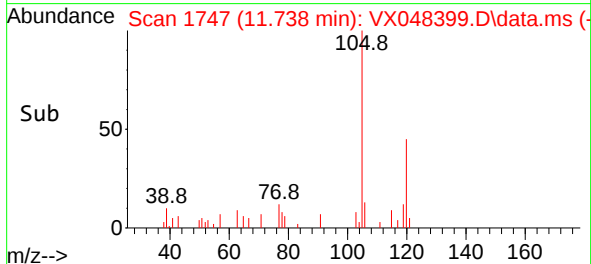
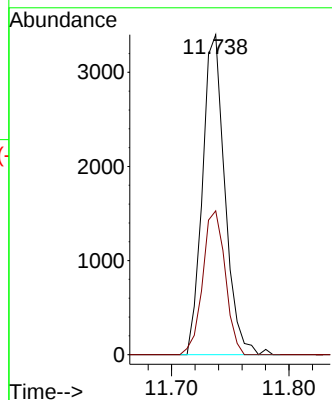
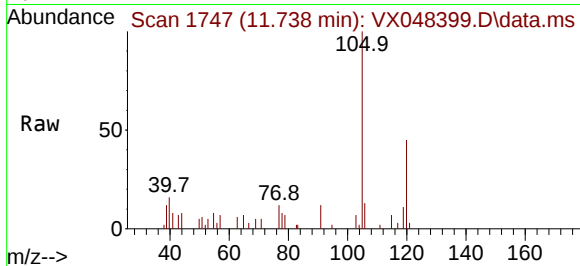




#84
1,2,4-Trimethylbenzene
Concen: 0.575 ug/l
RT: 11.738 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
COMP-5

Tgt Ion:105 Resp: 4507
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.5



#89
n-Butylbenzene
Concen: 0.250 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048399.D
Acq: 28 Oct 2025 15:11

Tgt Ion: 91 Resp: 1910
Ion Ratio Lower Upper
91 100
92 41.5 26.9 80.6
134 69.5 12.7 38.1#

