

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048393.D
 Acq On : 28 Oct 2025 12:54
 Operator : JC/MD
 Sample : Q3469-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

Quant Time: Oct 29 01:18:40 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)

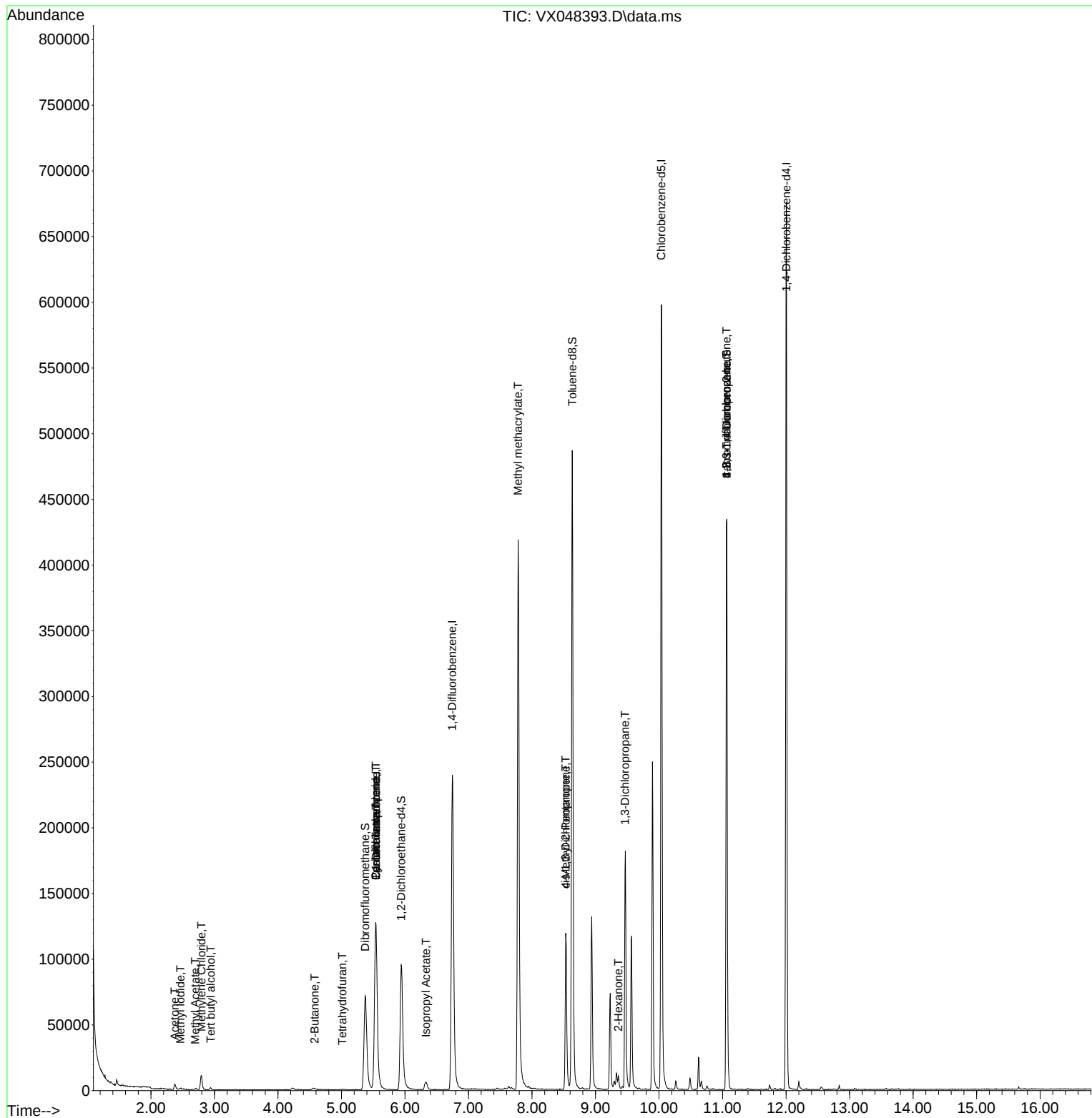
Internal Standards						
1) Pentafluorobenzene	5.544	168	130701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	265372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105556	57.602	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.200%
35) Dibromofluoromethane	5.373	113	70532	38.932	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.860%
50) Toluene-d8	8.635	98	300185	47.272	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.540%
62) 4-Bromofluorobenzene	11.061	95	129365	53.550	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.100%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1595	0.900	ug/l #	94
11) Tert butyl alcohol	2.940	59	339	1.863	ug/l #	72
16) Acetone	2.374	43	5642	8.975	ug/l	99
18) Methyl Acetate	2.697	43	1763	1.343	ug/l #	85
20) Methylene Chloride	2.794	84	5600	3.656	ug/l	90
25) 2-Butanone	4.574	43	2850	3.582	ug/l #	88
29) Tetrahydrofuran	5.013	42	220	0.462	ug/l #	49
31) Cyclohexane	5.544	56	2684	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10434	4.052	ug/l #	47
38) Carbon Tetrachloride	5.544	117	13789	4.340	ug/l #	16
43) Isopropyl Acetate	6.330	43	9175	2.617	ug/l	98
48) Methyl methacrylate	7.781	41	42684	24.128	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	42816	21.182	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	20547	6.610	ug/l #	59
57) 1,3-Dichloropropane	9.464	76	1686	0.559	ug/l #	43
59) 2-Hexanone	9.360	43	5683	4.032	ug/l #	26
76) 1,2,3-Trichloropropane	11.061	75	67121	29.251	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	67121	71.165	ug/l #	10

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

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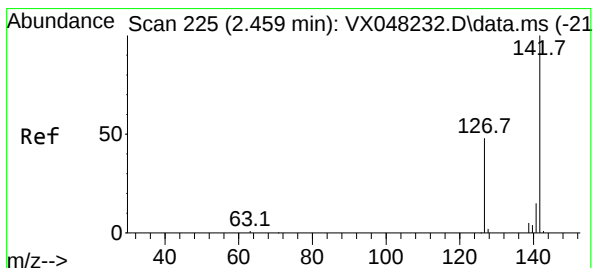
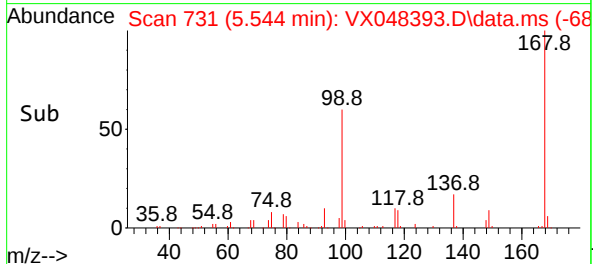
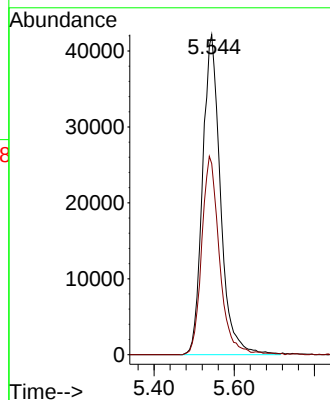
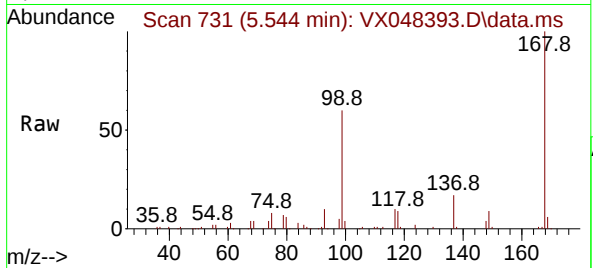




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

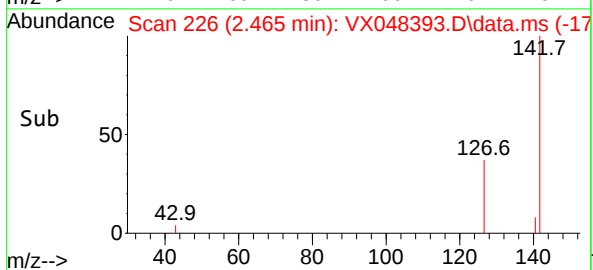
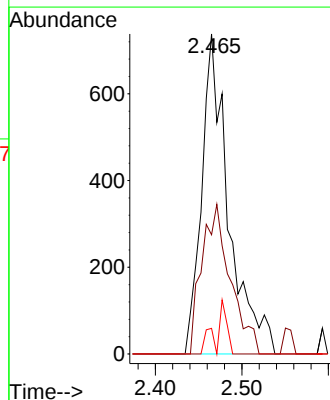
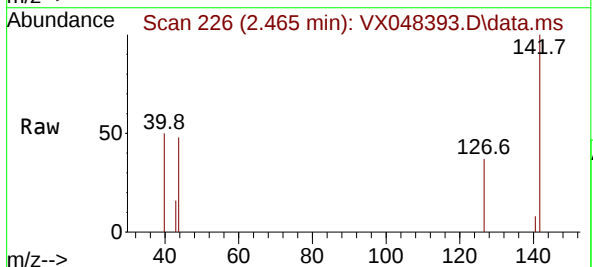
Instrument :
MSVOA_X
ClientSampleId :
TP-13

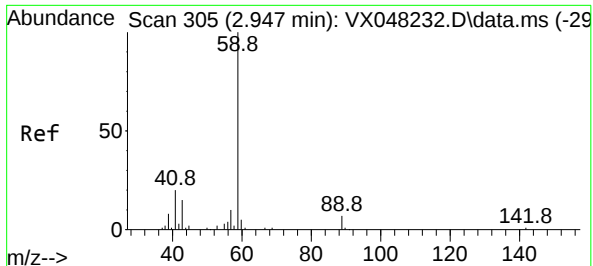
Tgt Ion:168 Resp: 130701
Ion Ratio Lower Upper
168 100
99 59.7 46.4 69.6



#10
Methyl Iodide
Concen: 0.900 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion:142 Resp: 1595
Ion Ratio Lower Upper
142 100
127 49.7 38.5 57.7
141 7.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.863 ug/l

RT: 2.940 min Scan# 305

Delta R.T. -0.000 min

Lab File: VX048393.D

Acq: 28 Oct 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

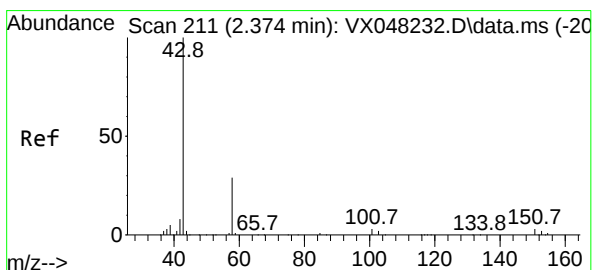
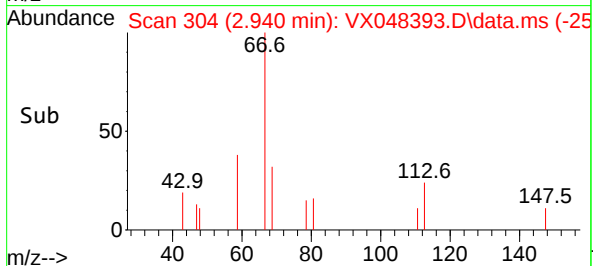
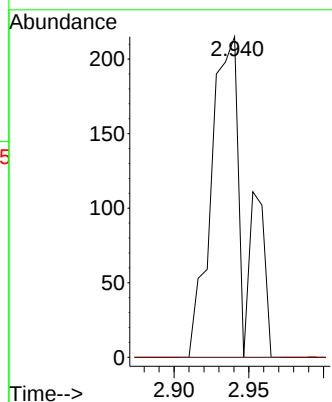
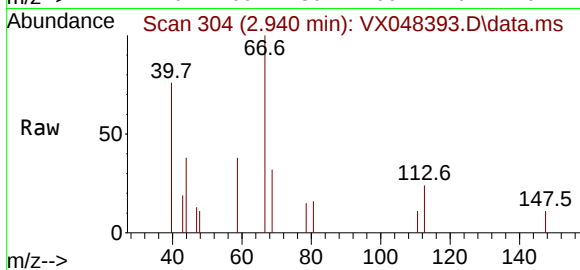
TP-13

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 8.975 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048393.D

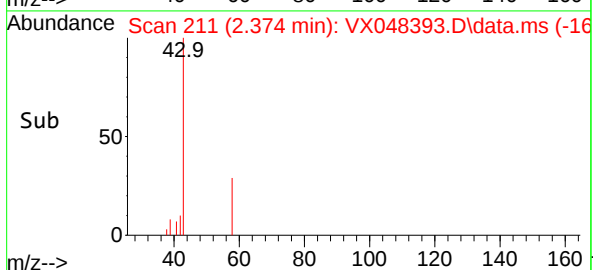
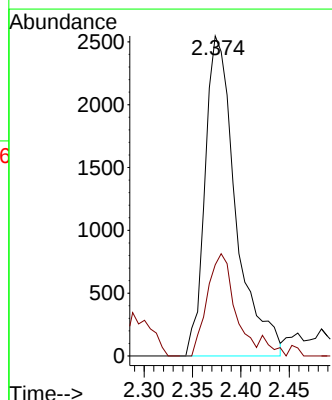
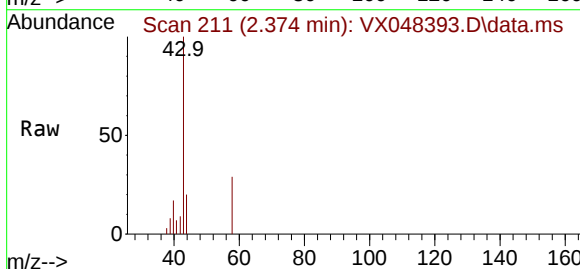
Acq: 28 Oct 2025 12:54

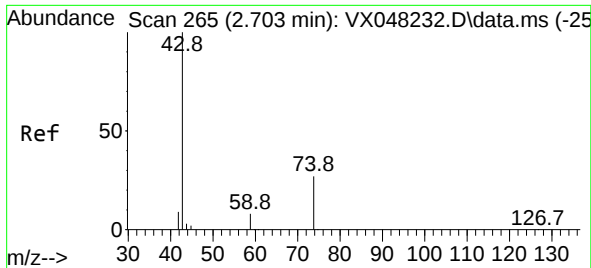
Tgt Ion: 43 Resp: 5642

Ion Ratio Lower Upper

43 100

58 28.5 23.4 35.2

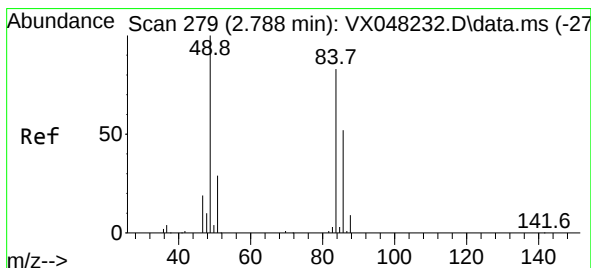
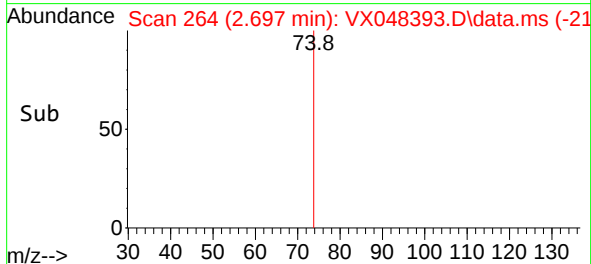
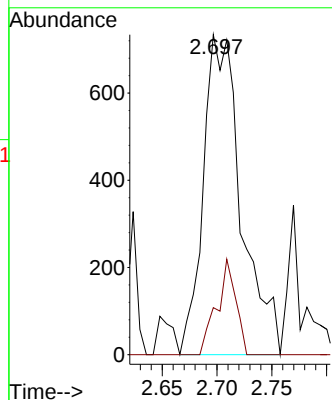
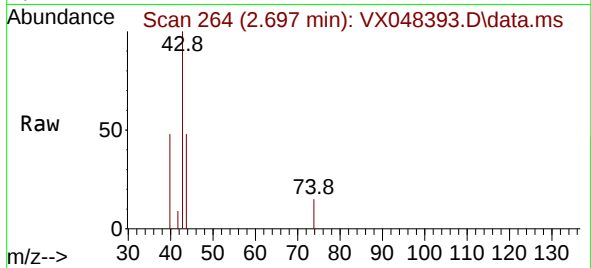




#18
Methyl Acetate
Concen: 1.343 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

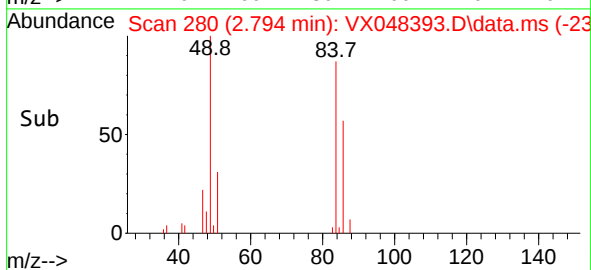
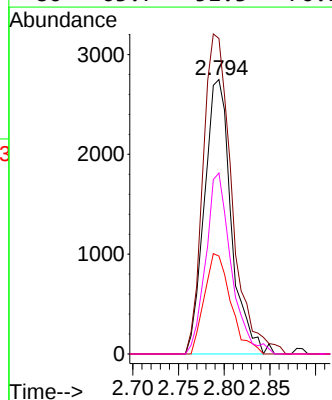
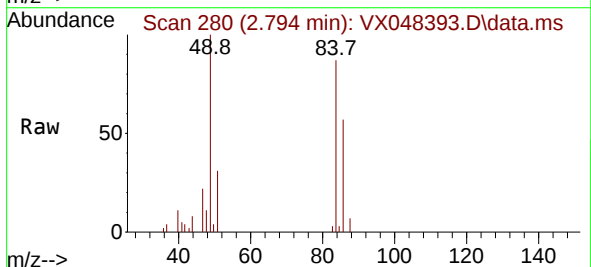
Instrument :
MSVOA_X
ClientSampleId :
TP-13

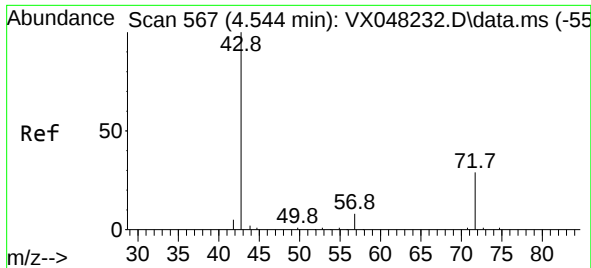
Tgt Ion: 43 Resp: 1763
Ion Ratio Lower Upper
43 100
74 15.0 17.5 26.3#



#20
Methylene Chloride
Concen: 3.656 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 84 Resp: 5600
Ion Ratio Lower Upper
84 100
49 111.1 104.1 156.1
51 34.5 31.3 46.9
86 63.7 51.3 76.9

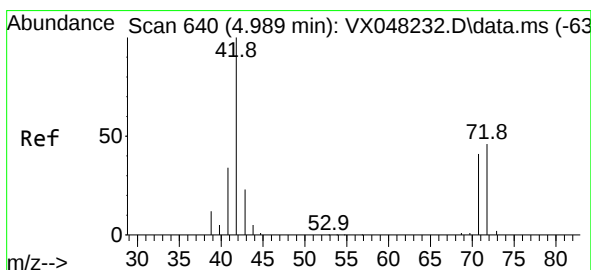
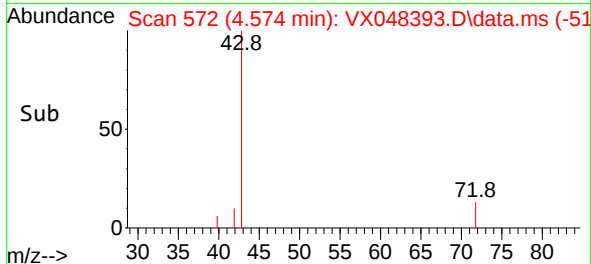
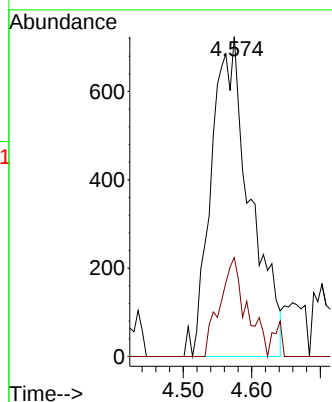
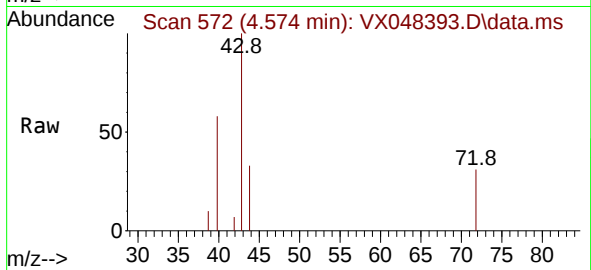




#25
2-Butanone
Concen: 3.582 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

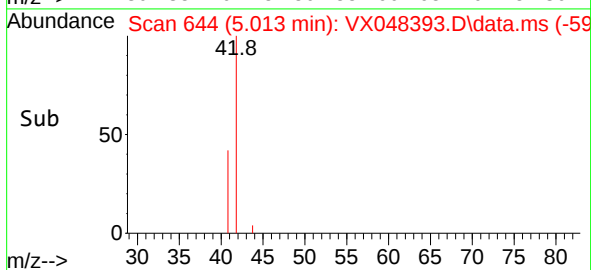
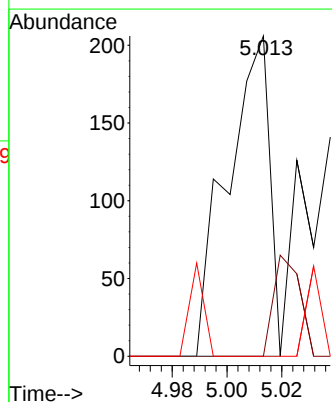
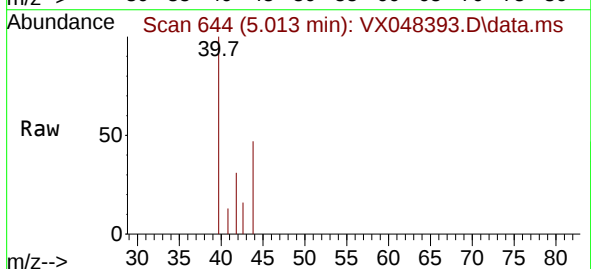
Instrument :
MSVOA_X
ClientSampleId :
TP-13

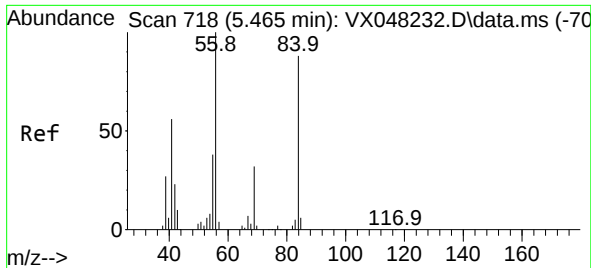
Tgt Ion: 43 Resp: 2850
Ion Ratio Lower Upper
43 100
72 30.9 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.462 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 42 Resp: 220
Ion Ratio Lower Upper
42 100
72 19.5 35.3 52.9#
71 0.0 32.2 48.4#

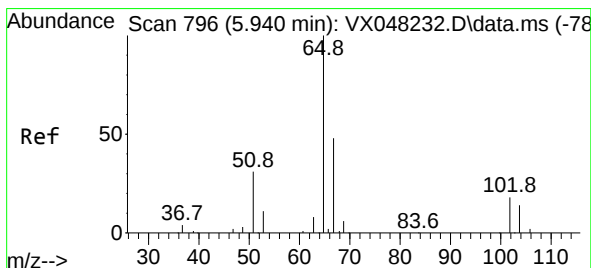
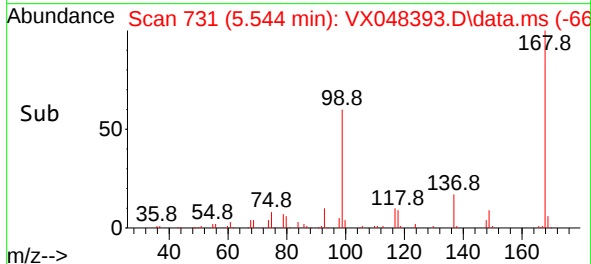
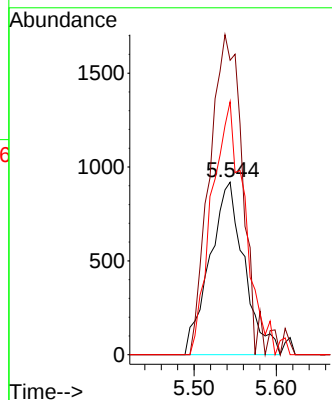
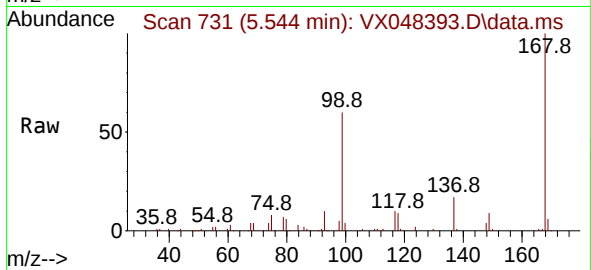




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

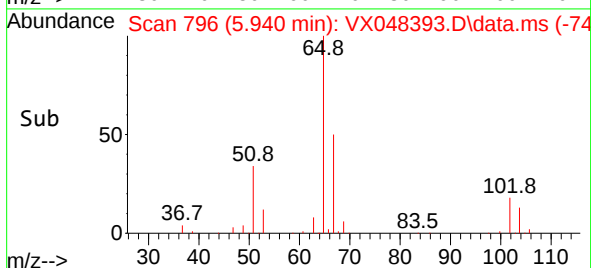
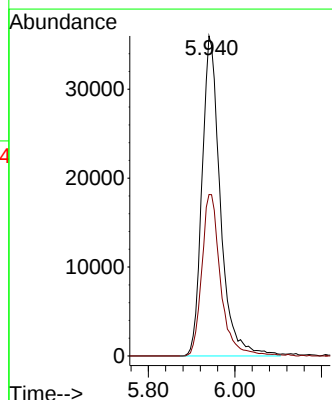
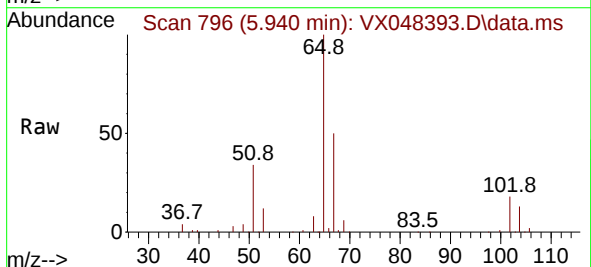
Instrument :
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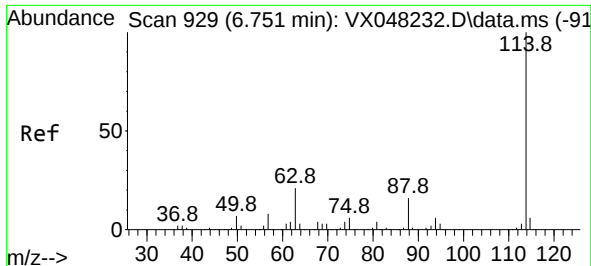
Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 170.7 23.0 34.6#
84 146.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 57.602 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 65 Resp: 105556
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.0

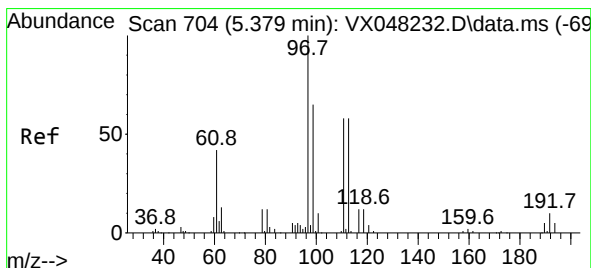
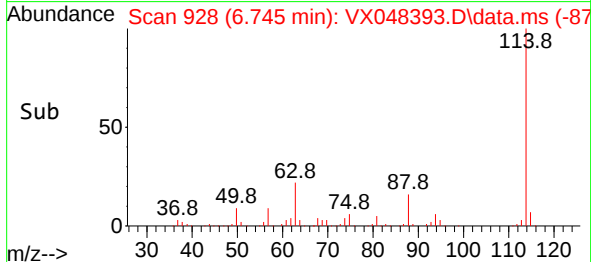
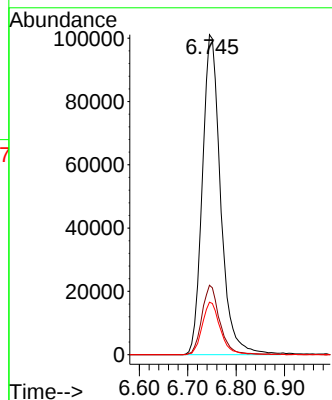
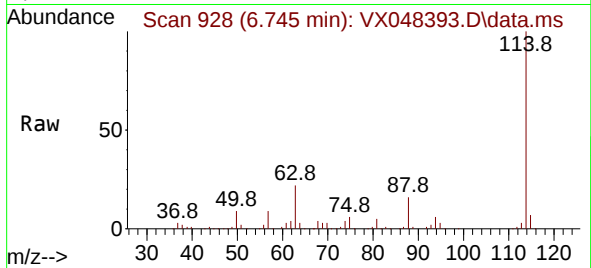




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

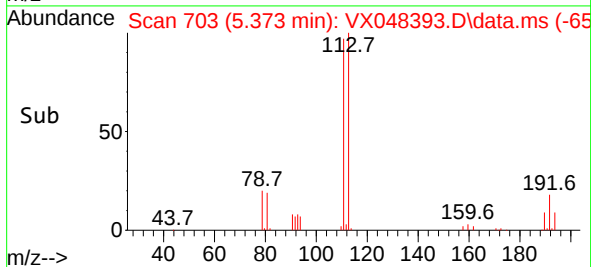
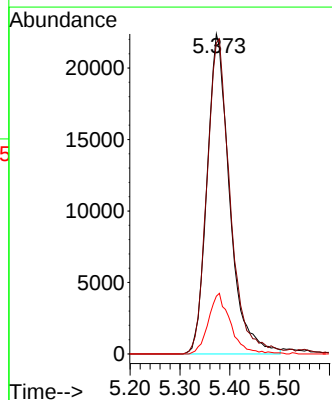
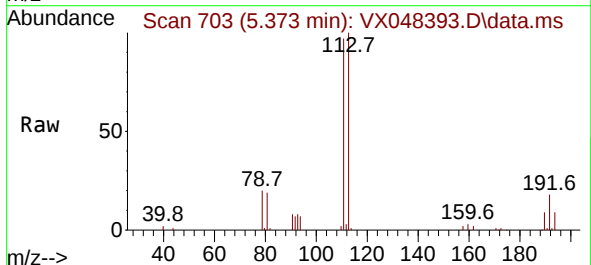
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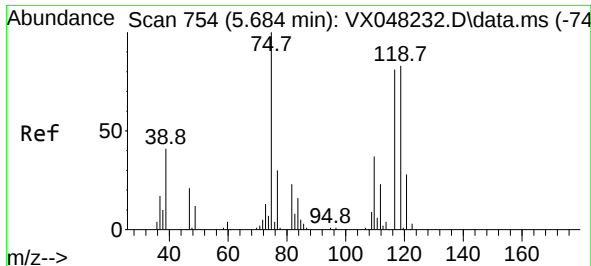
Tgt Ion:114 Resp: 265372
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 38.932 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion:113 Resp: 70532
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 18.7 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.052 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX048393.D

Acq: 28 Oct 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

TP-13

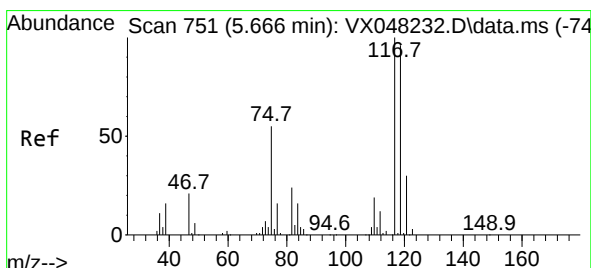
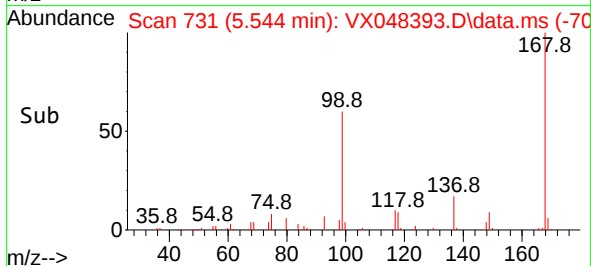
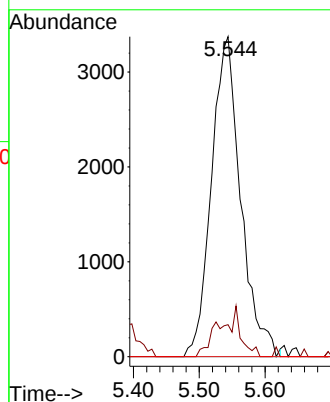
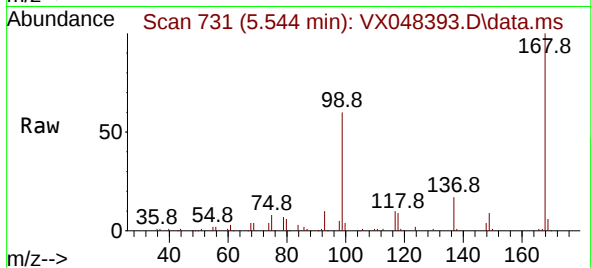
Tgt Ion: 75 Resp: 10434

Ion Ratio Lower Upper

75 100

110 5.5 17.7 53.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.340 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.122 min

Lab File: VX048393.D

Acq: 28 Oct 2025 12:54

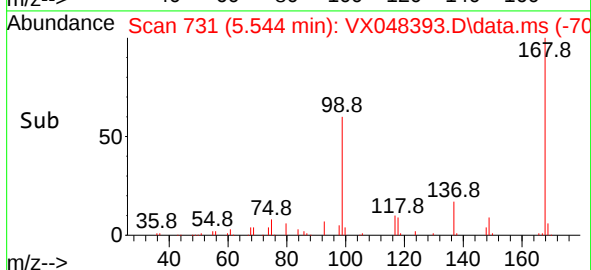
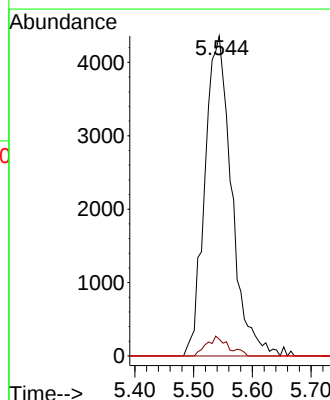
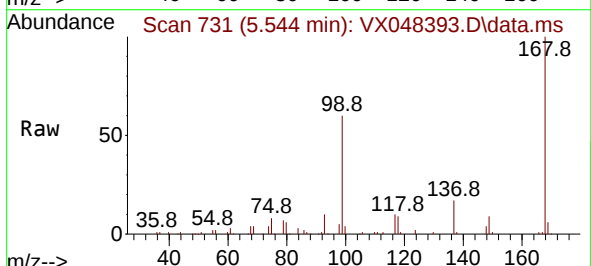
Tgt Ion: 117 Resp: 13789

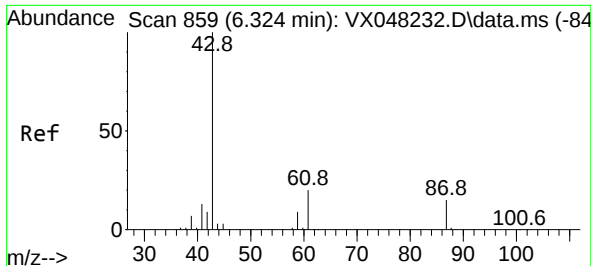
Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

121 0.0 24.8 37.2#

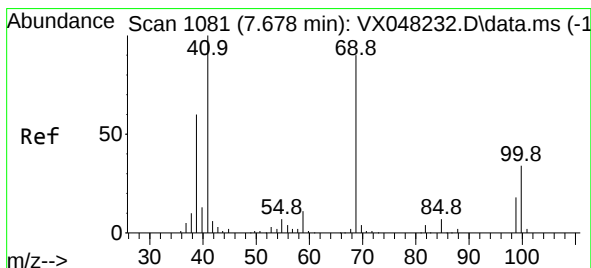
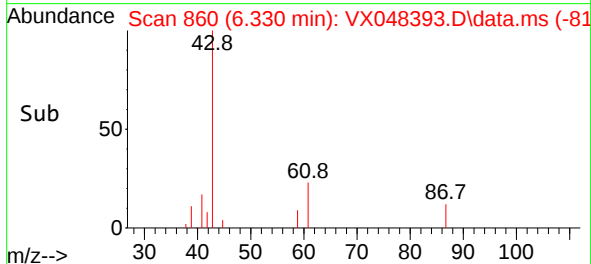
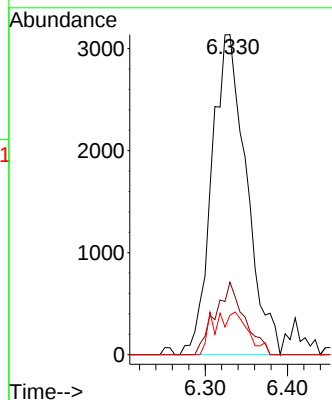
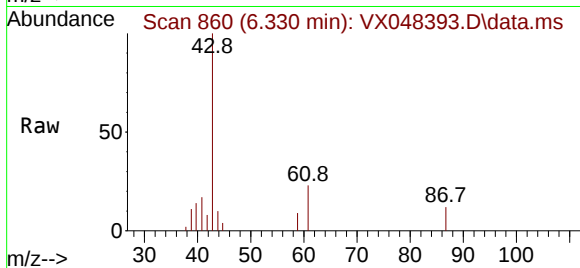




#43
Isopropyl Acetate
Concen: 2.617 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

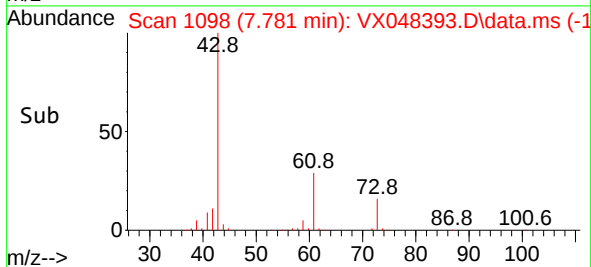
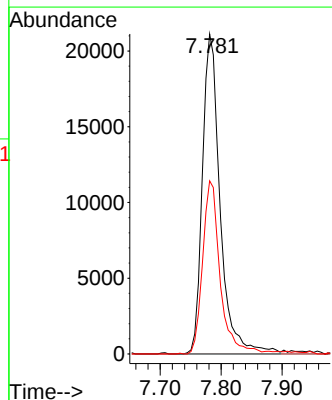
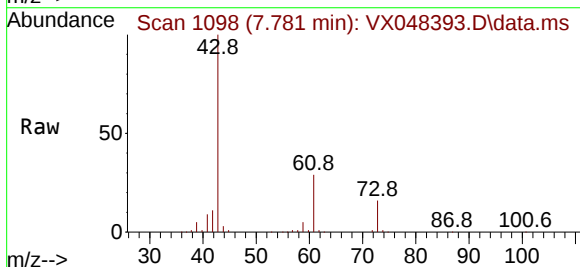
Instrument :
MSVOA_X
ClientSampleId :
TP-13

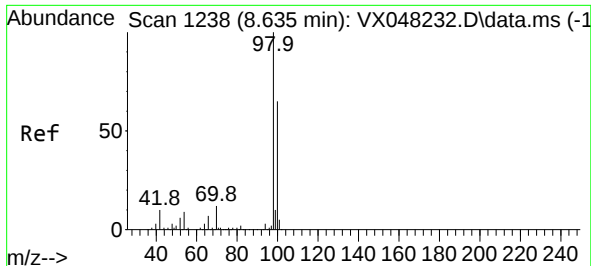
Tgt Ion:	43	Resp:	9175
Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.9	22.3
87	13.3	9.4	14.2



#48
Methyl methacrylate
Concen: 24.128 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion:	41	Resp:	42684
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.4	95.0#
39	53.3	47.1	70.7

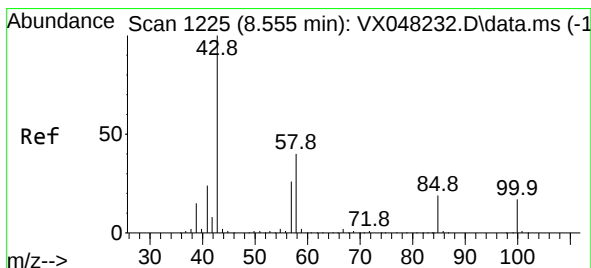
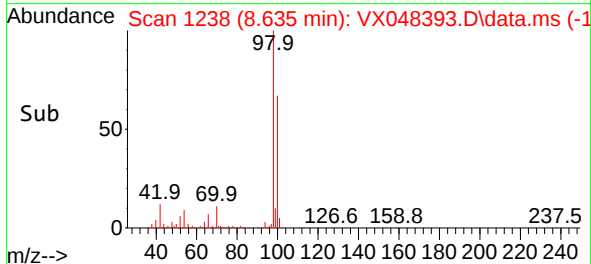
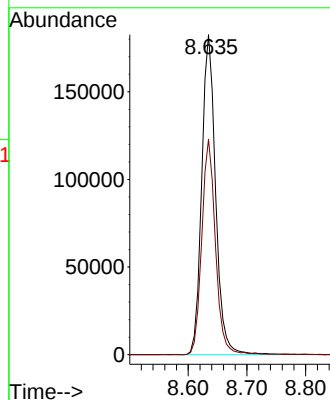
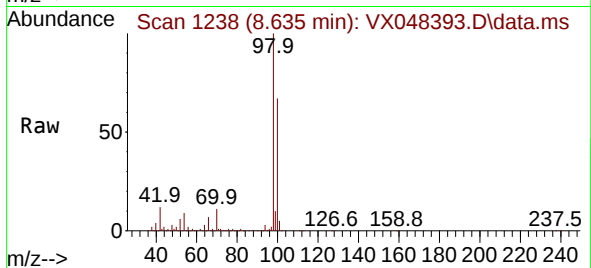




#50
Toluene-d8
Concen: 47.272 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

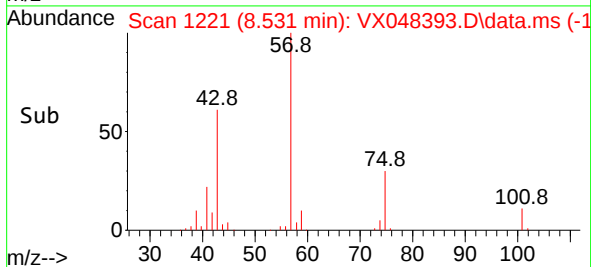
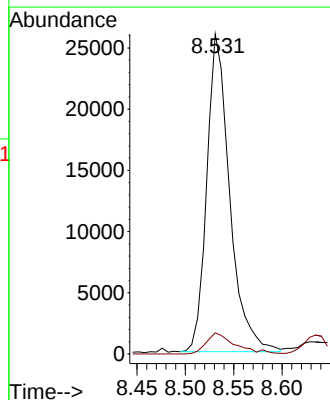
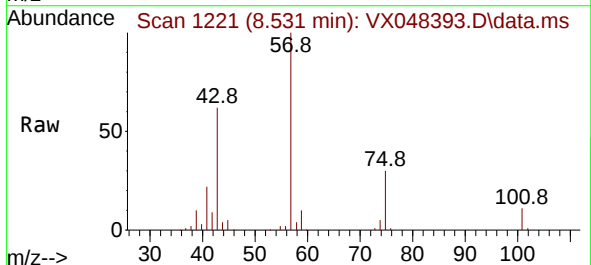
Instrument :
MSVOA_X
ClientSampleId :
TP-13

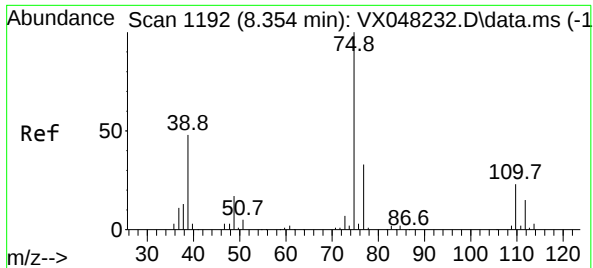
Tgt Ion: 98 Resp: 300185
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 21.182 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 43 Resp: 42816
Ion Ratio Lower Upper
43 100
58 8.4 29.5 44.3#

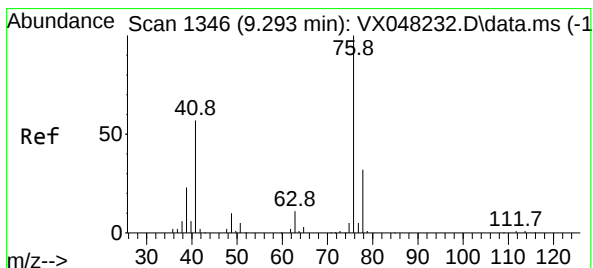
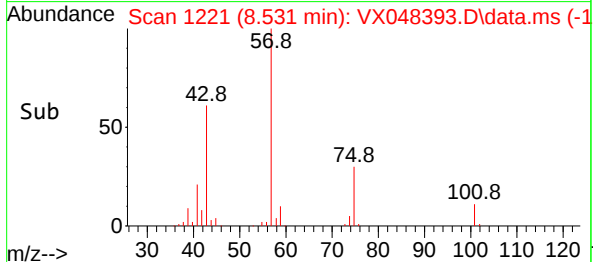
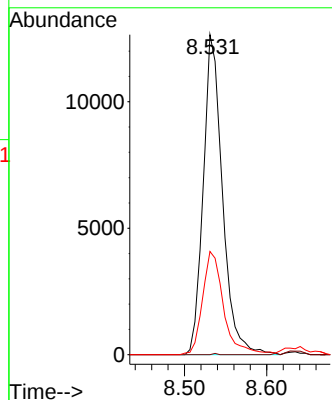
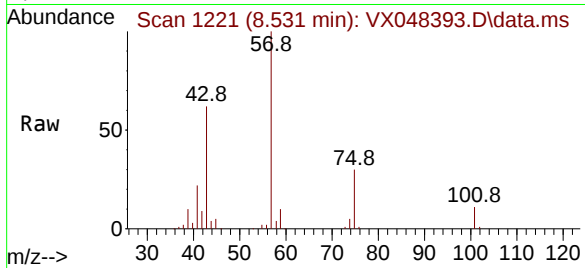




#54
 cis-1,3-Dichloropropene
 Concen: 6.610 ug/l
 RT: 8.531 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX048393.D
 Acq: 28 Oct 2025 12:54

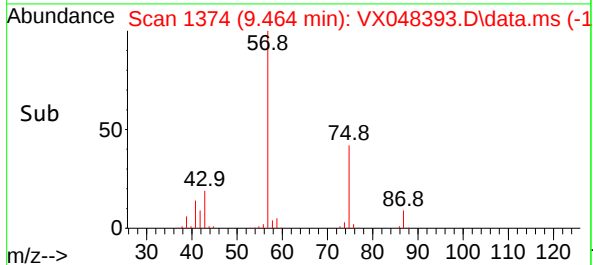
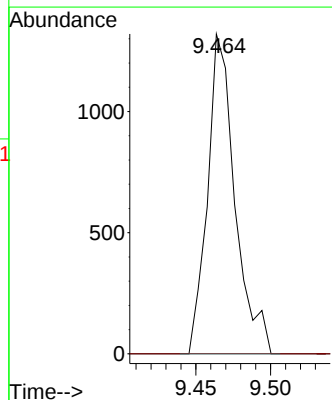
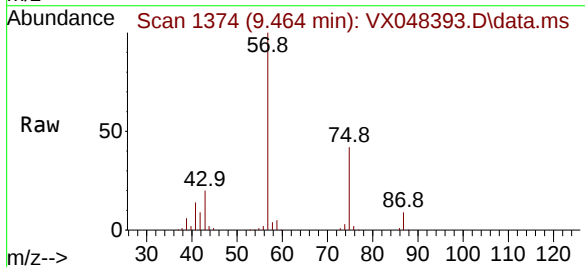
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

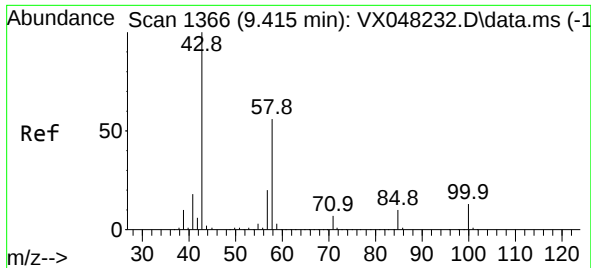
Tgt Ion: 75 Resp: 20547
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 31.1 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.559 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.171 min
 Lab File: VX048393.D
 Acq: 28 Oct 2025 12:54

Tgt Ion: 76 Resp: 1686
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#

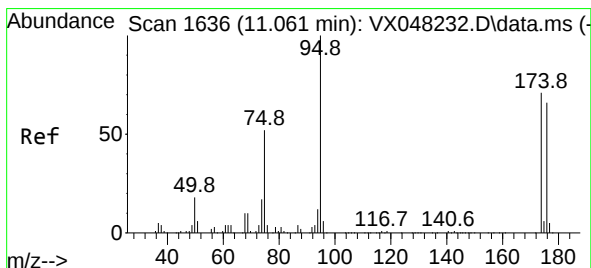
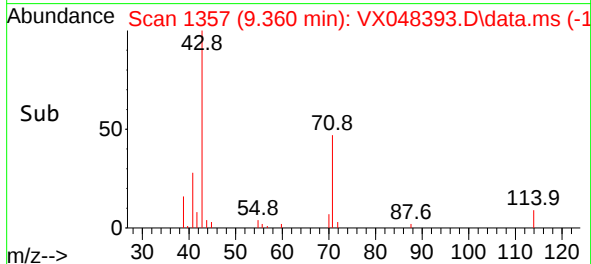
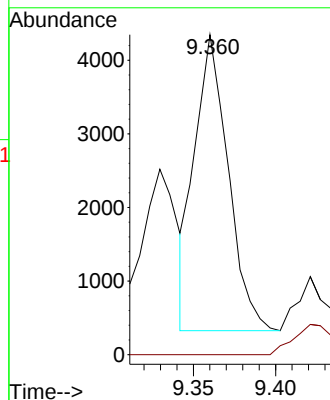
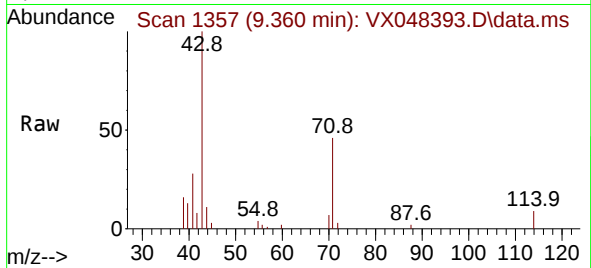




#59
2-Hexanone
Concen: 4.032 ug/l
RT: 9.360 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

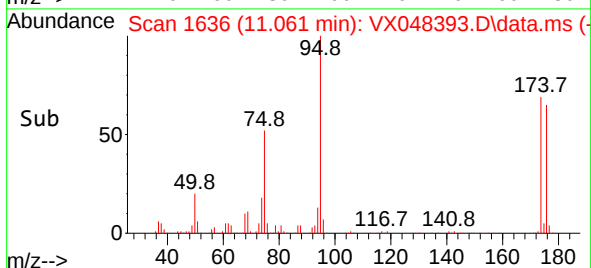
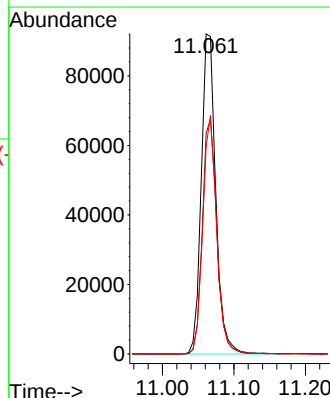
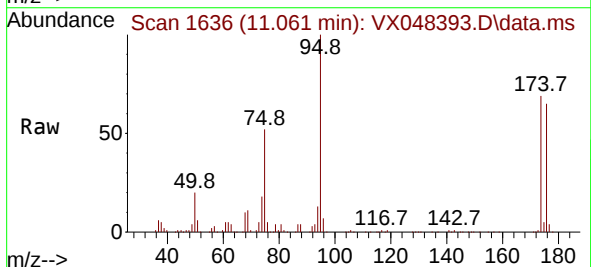
Instrument :
MSVOA_X
ClientSampleId :
TP-13

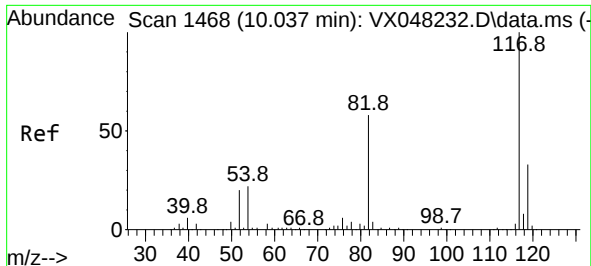
Tgt Ion: 43 Resp: 5683
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 53.550 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 95 Resp: 129365
Ion Ratio Lower Upper
95 100
174 73.2 0.0 147.8
176 71.6 0.0 142.8

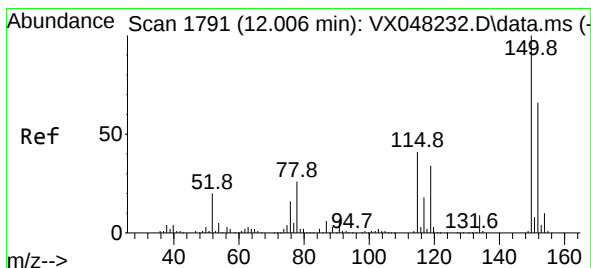
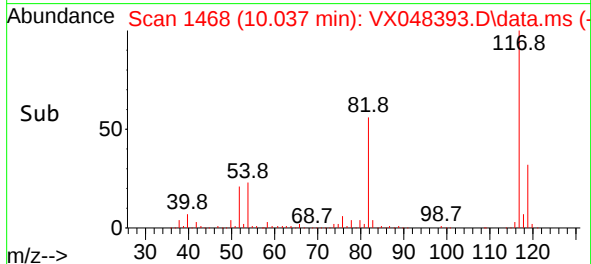
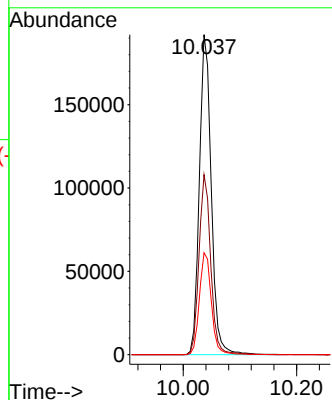
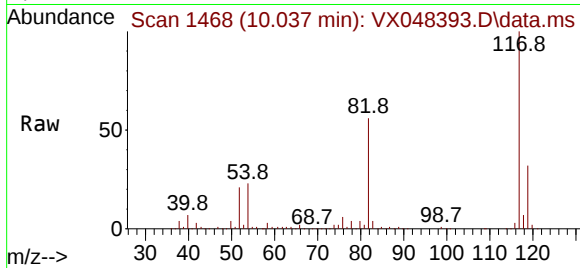




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

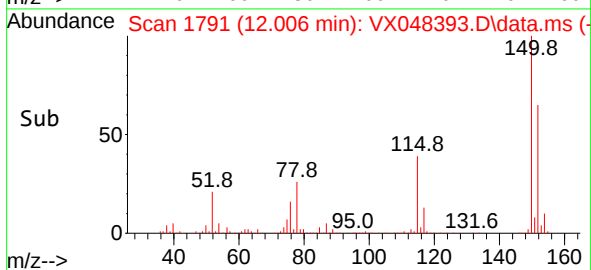
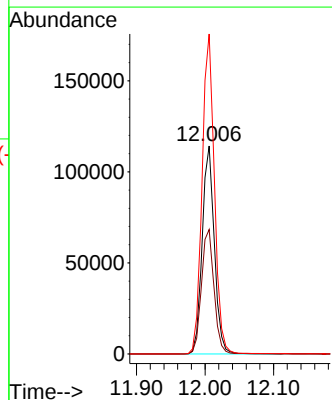
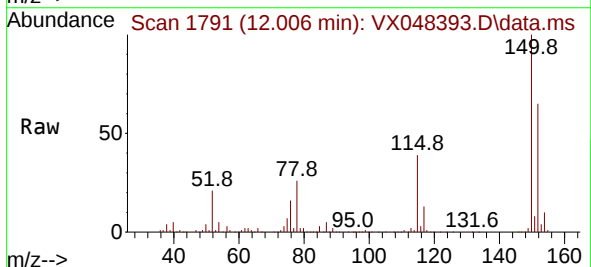
Instrument :
MSVOA_X
ClientSampleId :
TP-13

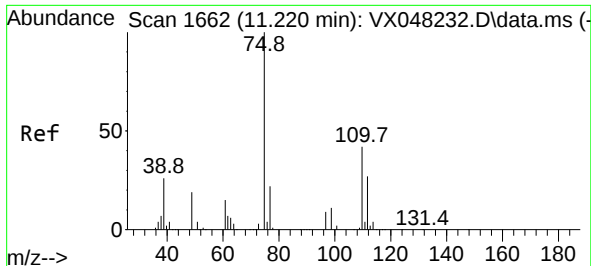
Tgt Ion:117 Resp: 279230
Ion Ratio Lower Upper
117 100
82 56.3 46.5 69.7
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion:152 Resp: 141501
Ion Ratio Lower Upper
152 100
115 61.8 43.1 129.4
150 156.4 0.0 353.0

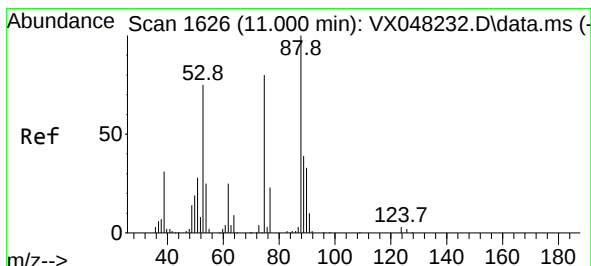
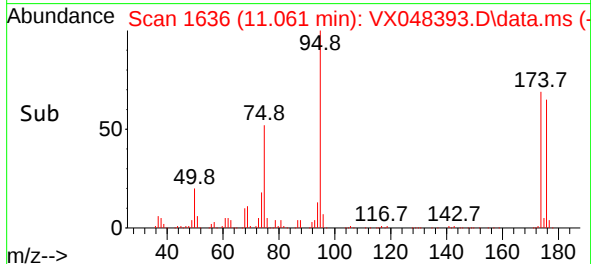
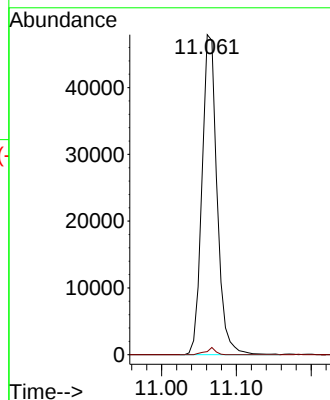
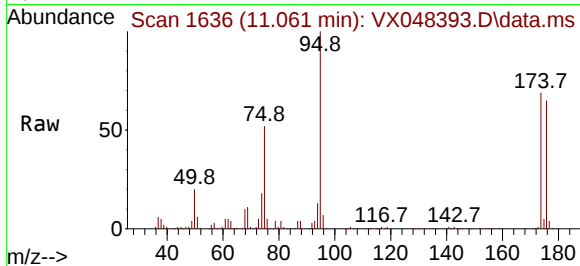




#76
1,2,3-Trichloropropane
Concen: 29.251 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
TP-13

Tgt Ion: 75 Resp: 67121
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.165 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048393.D
Acq: 28 Oct 2025 12:54

Tgt Ion: 75 Resp: 67121
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

