

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048814.D
 Acq On : 10 Dec 2025 16:13
 Operator : JC/MD
 Sample : Q3788-07RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

Quant Time: Dec 11 00:25:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

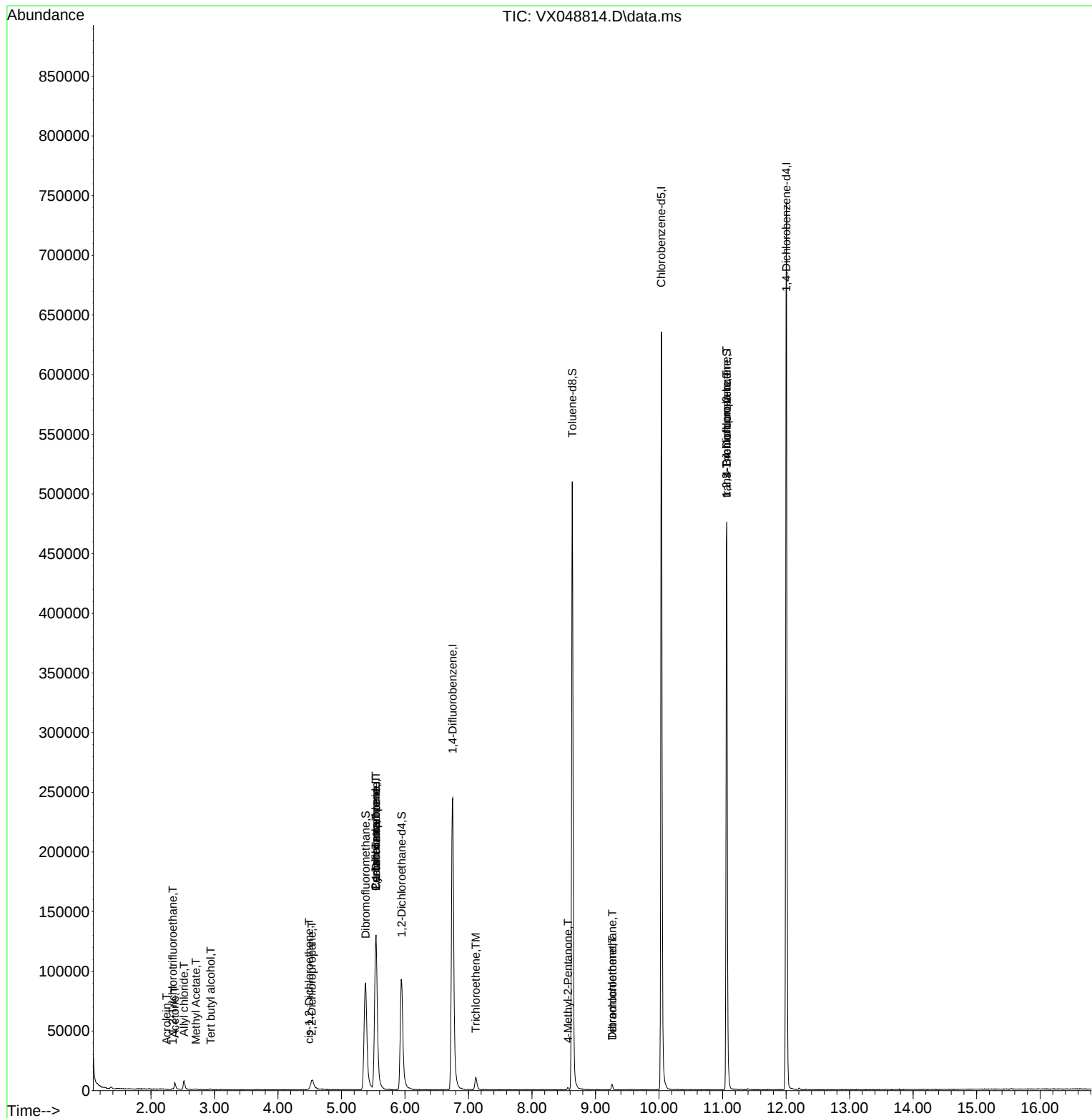
Internal Standards						
1) Pentafluorobenzene	5.543	168	134347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281654	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103705	57.512	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.020%
35) Dibromofluoromethane	5.379	113	90521	46.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.634	98	321038	47.226	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.460%
62) 4-Bromofluorobenzene	11.067	95	141576	60.396	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.800%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.343	101	408	0.267	ug/l #	89
11) Tert butyl alcohol	2.940	59	265	0.910	ug/l #	73
13) Acrolein	2.245	56	67	40.377	ug/l #	15
14) Allyl chloride	2.520	41	961	0.367	ug/l #	89
16) Acetone	2.373	43	7351	10.649	ug/l #	87
18) Methyl Acetate	2.709	43	932	0.480	ug/l #	77
26) 2,2-Dichloropropane	4.531	77	807	0.334	ug/l #	52
27) cis-1,2-Dichloroethene	4.489	96	492	0.274	ug/l	37
31) Cyclohexane	5.543	56	2490	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	10988	4.137	ug/l #	48
38) Carbon Tetrachloride	5.543	117	13329	4.430	ug/l #	13
44) Trichloroethene	7.116	130	4959	2.414	ug/l	94
51) 4-Methyl-2-Pentanone	8.567	43	1201	0.403	ug/l	95
60) Dibromochloromethane	9.262	129	964	0.408	ug/l #	11
64) Tetrachloroethene	9.262	164	1000	0.452	ug/l #	82
76) 1,2,3-Trichloropropane	11.061	75	70604	23.221	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	70604	55.159	ug/l #	3
95) Naphthalene	13.761	128	547	Below Cal	#	69

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

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OW-01B-66.5-120525

Quant Time: Dec 11 00:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

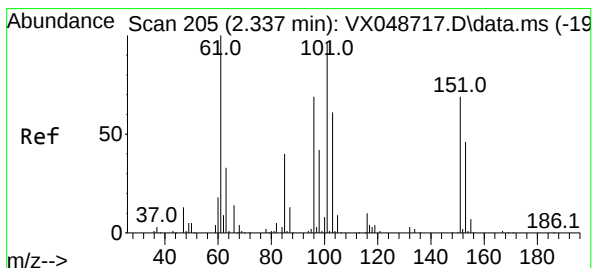
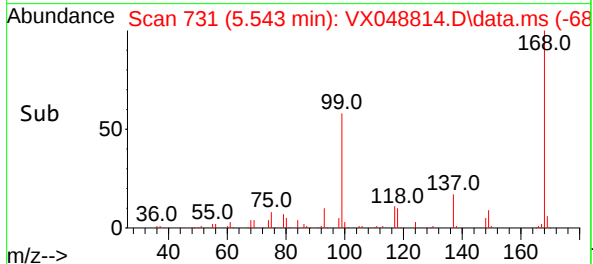
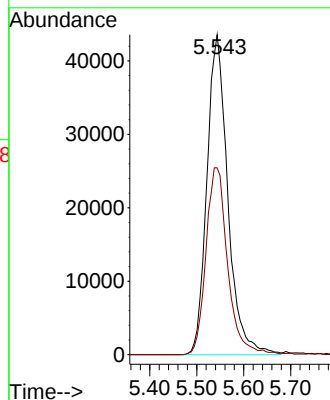
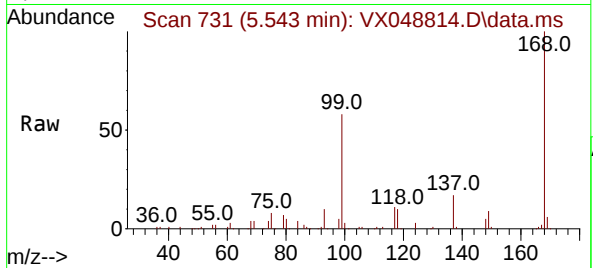




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

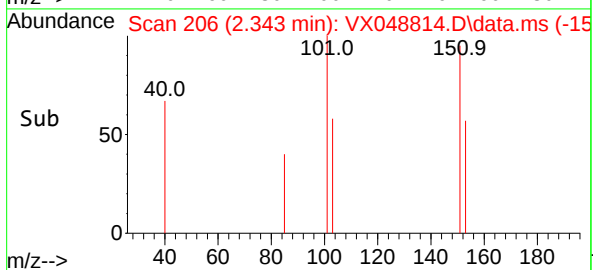
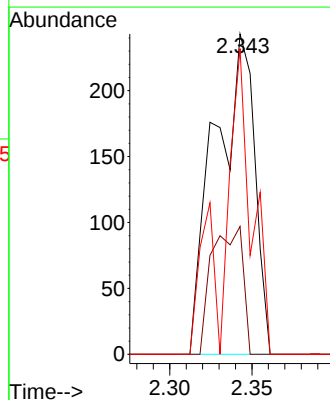
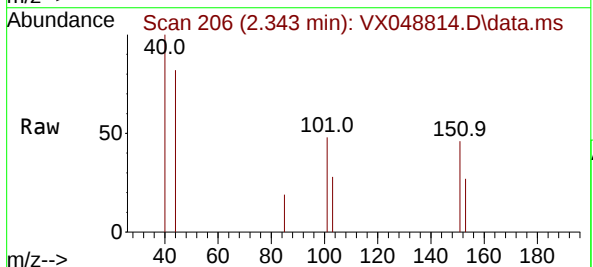
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

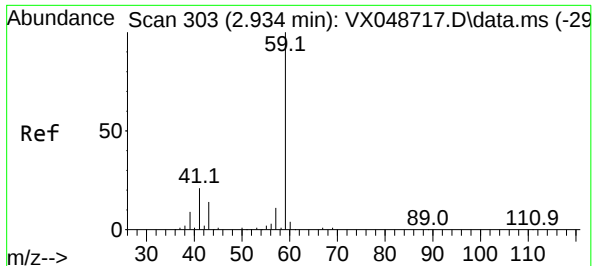
Tgt Ion:168 Resp: 134347
Ion Ratio Lower Upper
168 100
99 58.4 44.2 66.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.267 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion:101 Resp: 408
Ion Ratio Lower Upper
101 100
85 30.9 34.2 51.2#
151 69.1 60.2 90.4





#11

Tert butyl alcohol

Concen: 0.910 ug/l

RT: 2.940 min Scan# 303

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

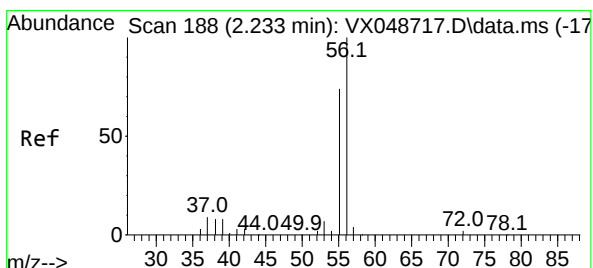
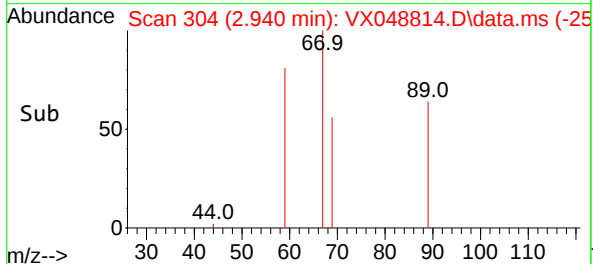
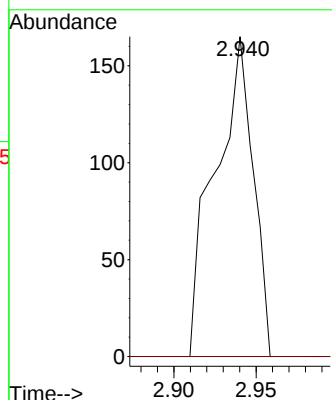
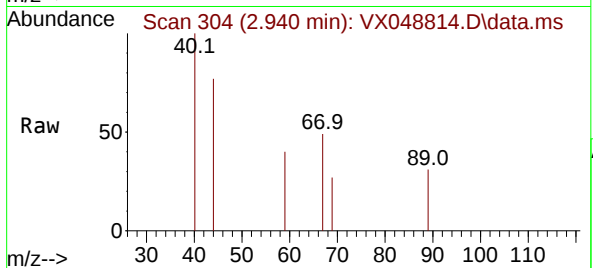
OW-01B-66.5-120525

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 40.377 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX048814.D

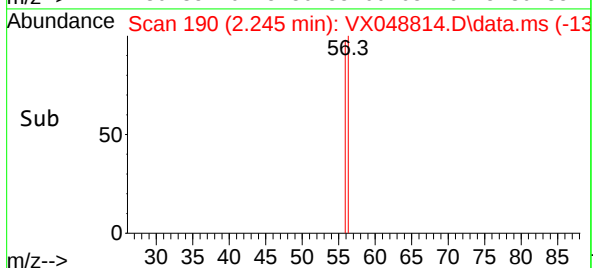
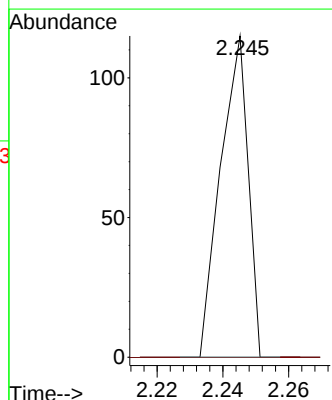
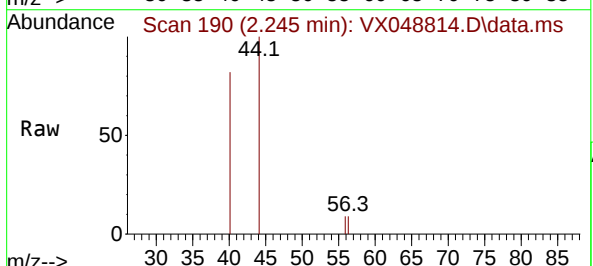
Acq: 10 Dec 2025 16:13

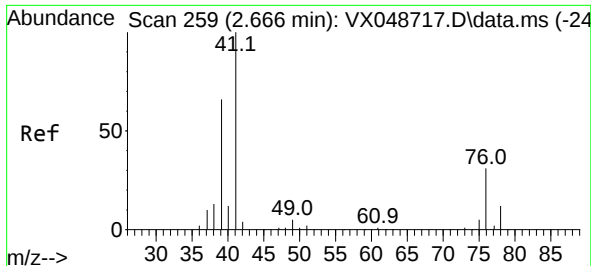
Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#

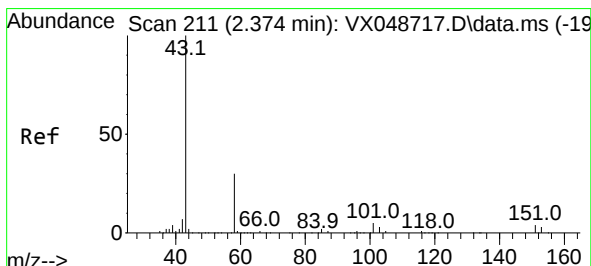
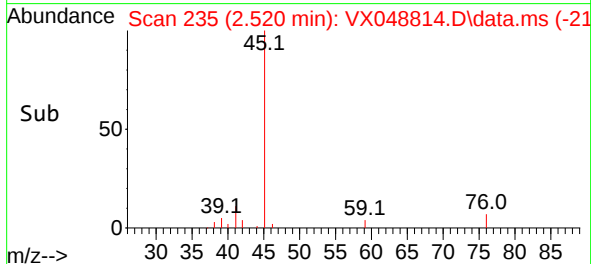
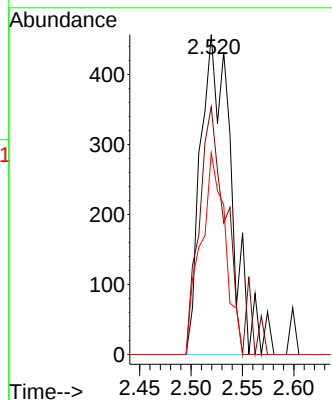
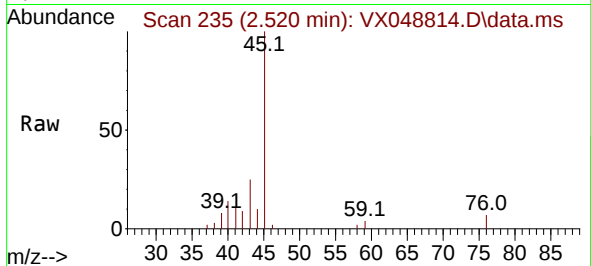




#14
 Allyl chloride
 Concen: 0.367 ug/l
 RT: 2.520 min Scan# 211
 Delta R.T. -0.147 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

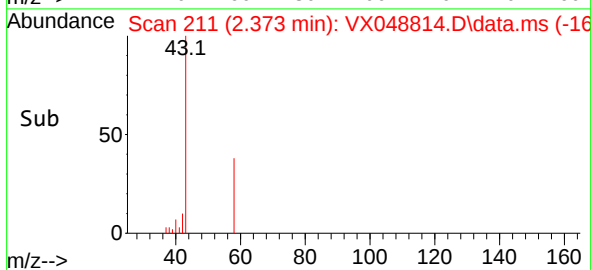
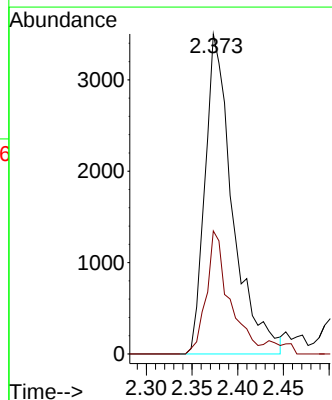
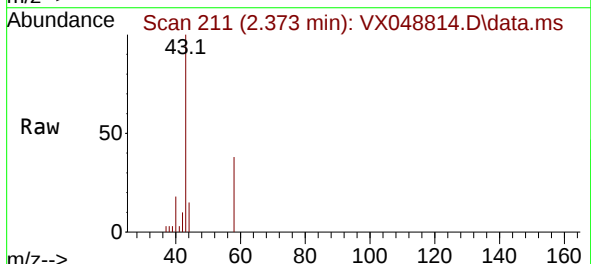
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

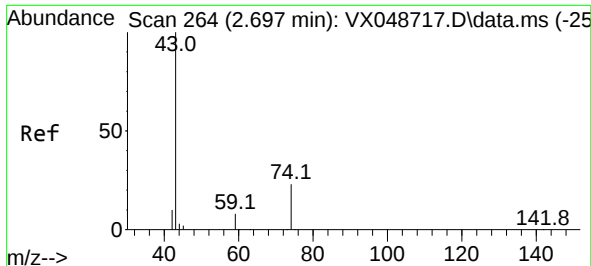
Tgt Ion:	41	Resp:	961
Ion	Ratio	Lower	Upper
41	100		
39	64.2	49.8	74.6
76	49.7	27.3	40.9



#16
 Acetone
 Concen: 10.649 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

Tgt Ion:	43	Resp:	7351
Ion	Ratio	Lower	Upper
43	100		
58	38.4	25.0	37.4

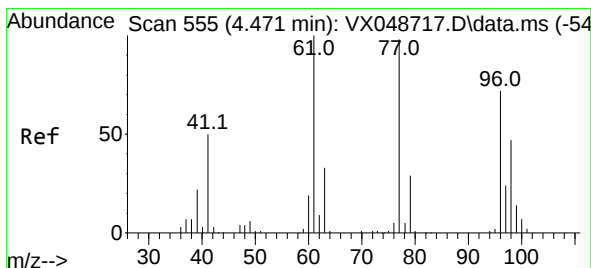
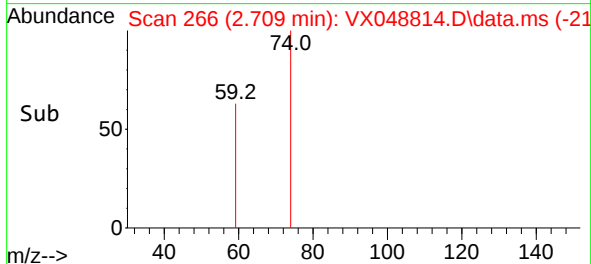
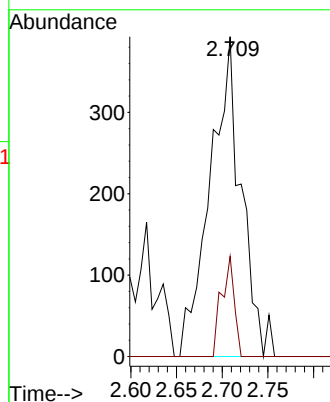
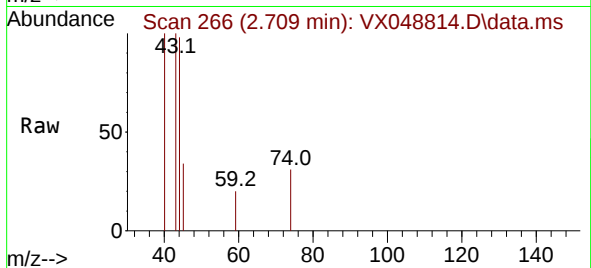




#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

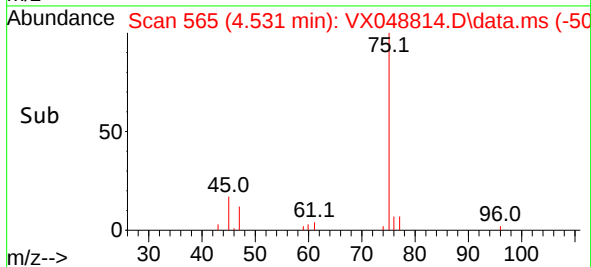
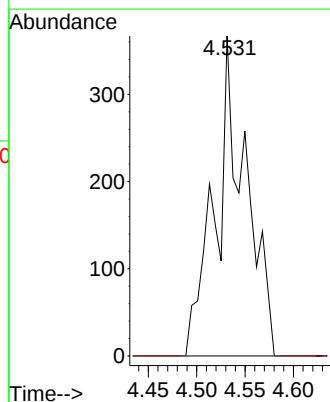
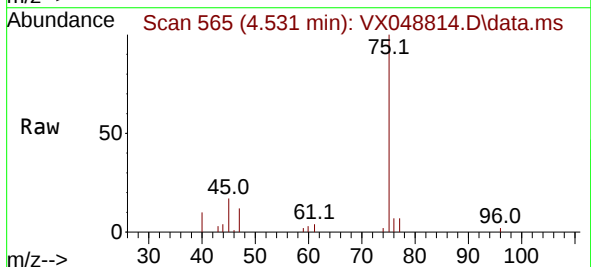
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

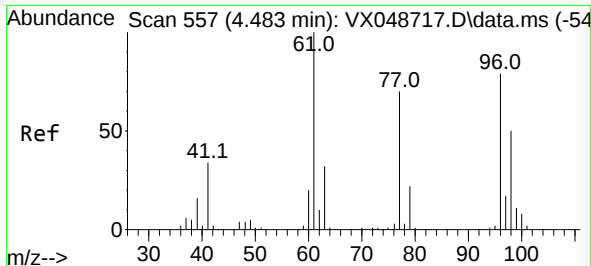
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
74 12.9 19.2 28.8#



#26
2,2-Dichloropropane
Concen: 0.334 ug/l
RT: 4.531 min Scan# 565
Delta R.T. 0.061 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion: 77 Resp: 807
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#

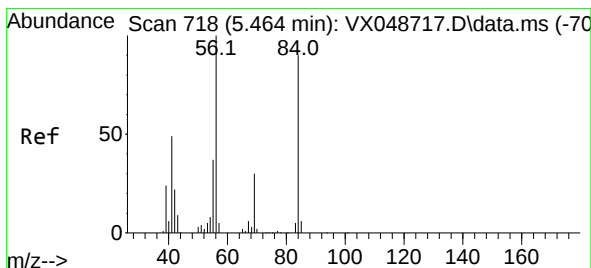
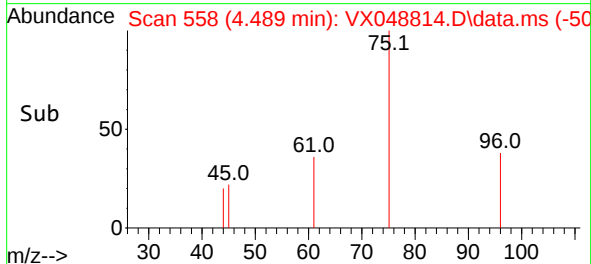
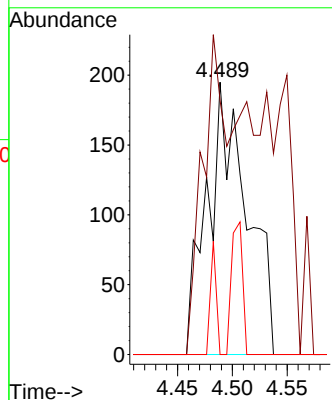
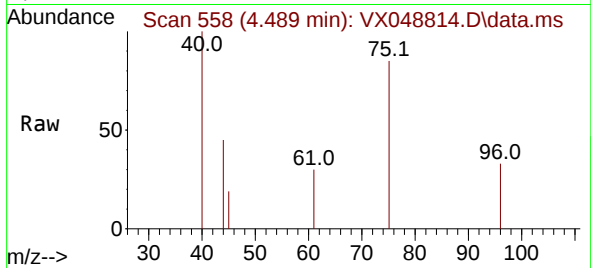




#27
 cis-1,2-Dichloroethene
 Concen: 0.274 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

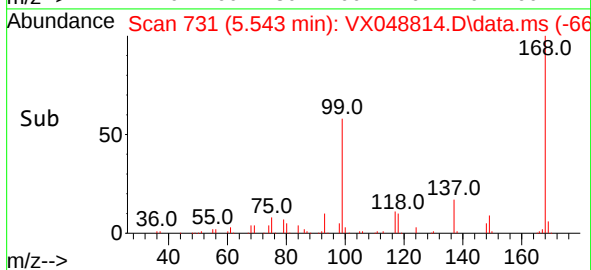
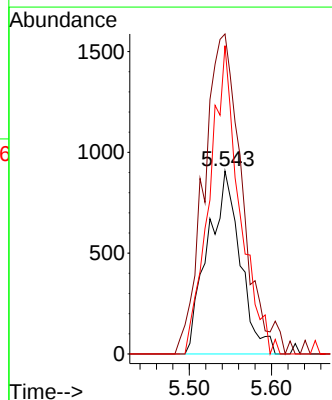
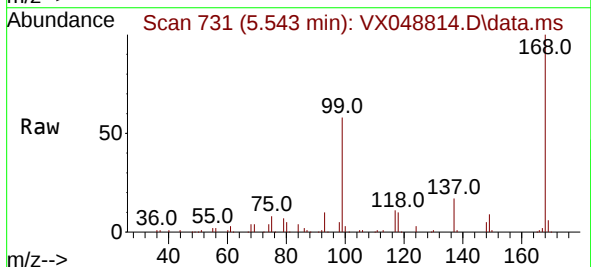
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 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

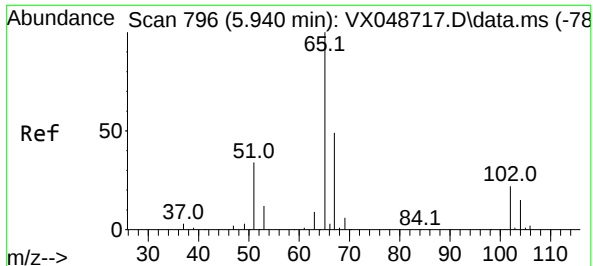
Tgt Ion: 96 Resp: 492
 Ion Ratio Lower Upper
 96 100
 61 66.5 0.0 271.0
 98 6.1 0.0 130.2



#31
 Cyclohexane
 Concen: 1.022 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. 0.079 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

Tgt Ion: 56 Resp: 2490
 Ion Ratio Lower Upper
 56 100
 69 166.9 24.2 36.2#
 84 168.6 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 57.512 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

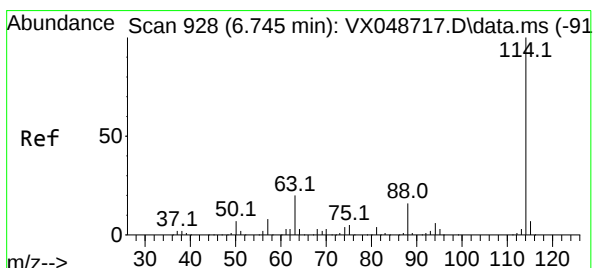
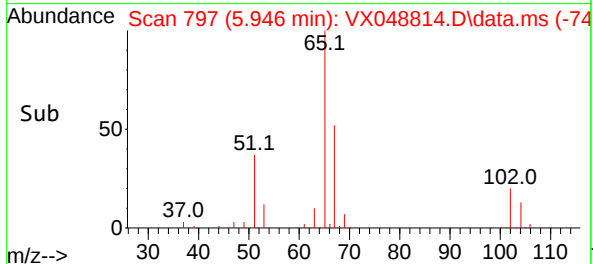
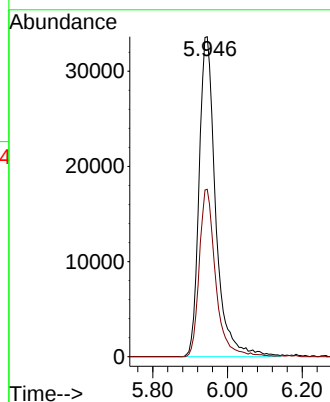
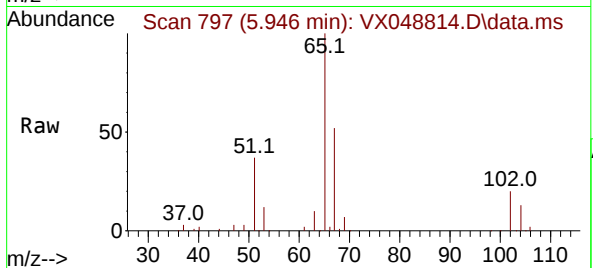
OW-01B-66.5-120525

Tgt Ion: 65 Resp: 103705

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

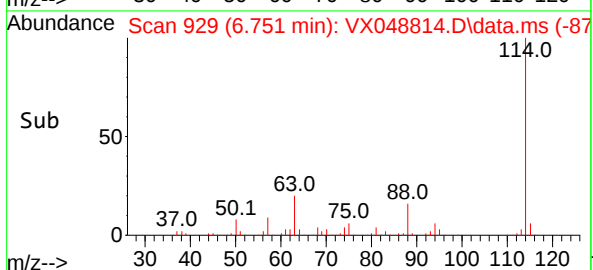
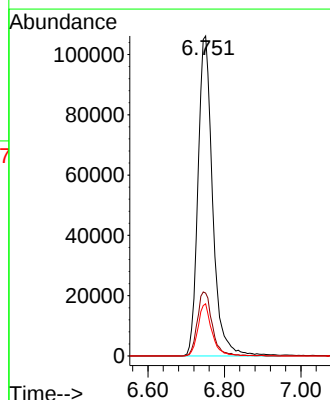
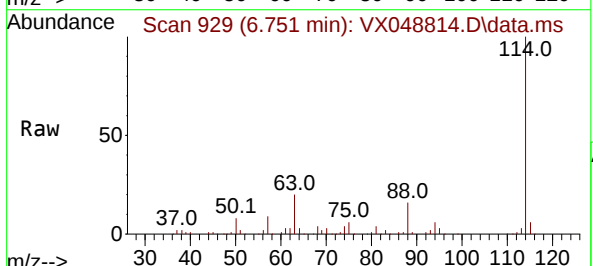
Tgt Ion: 114 Resp: 281654

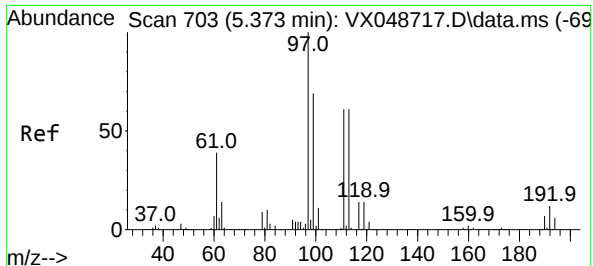
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 16.3 0.0 31.8

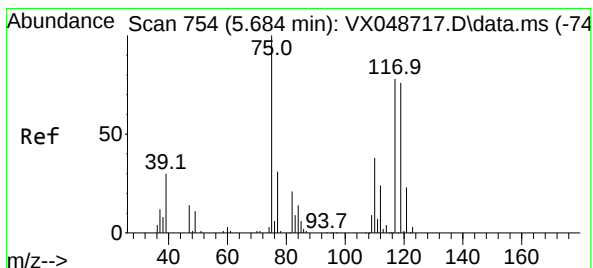
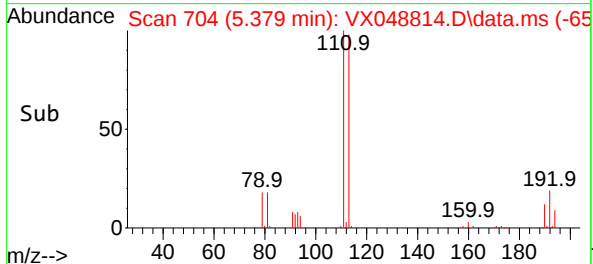
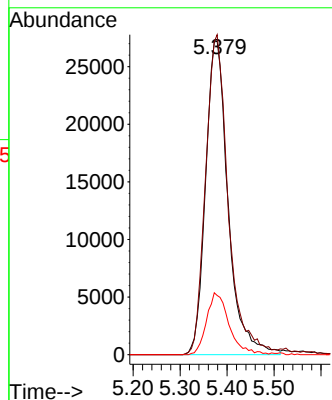
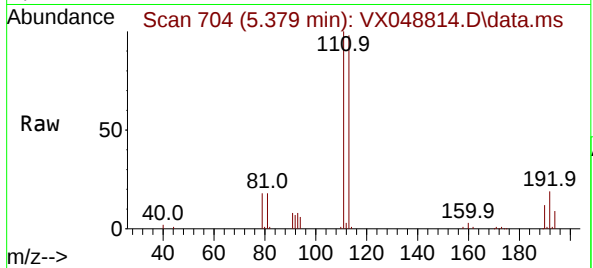




#35
Dibromofluoromethane
Concen: 46.677 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

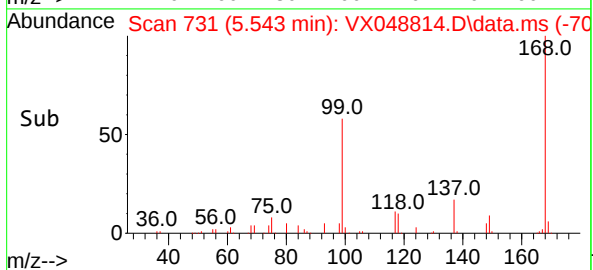
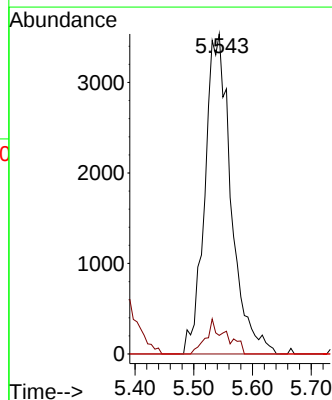
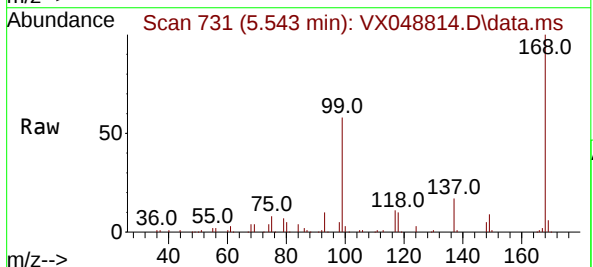
Instrument :
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OW-01B-66.5-120525

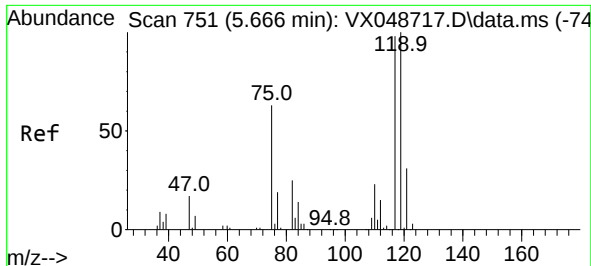
Tgt Ion:113 Resp: 90521
Ion Ratio Lower Upper
113 100
111 102.6 79.5 119.3
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.137 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.141 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

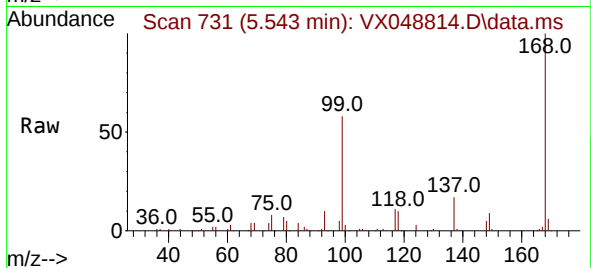
Tgt Ion: 75 Resp: 10988
Ion Ratio Lower Upper
75 100
110 8.2 18.6 55.8#
77 0.0 25.3 37.9#



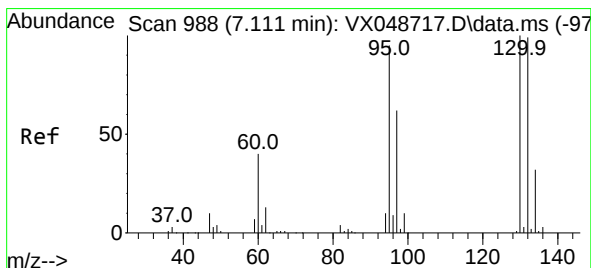
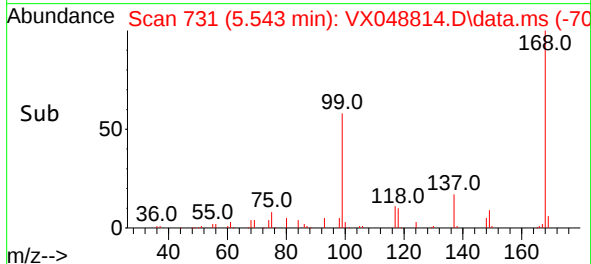
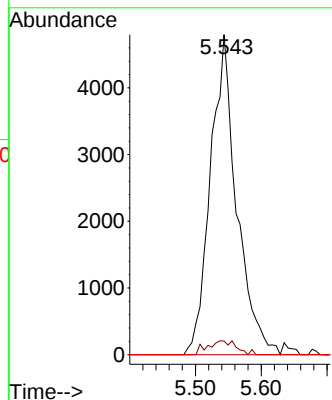


#38
Carbon Tetrachloride
Concen: 4.430 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

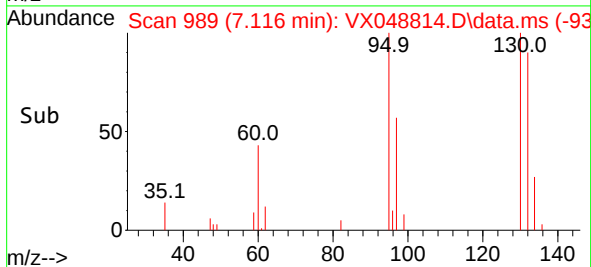
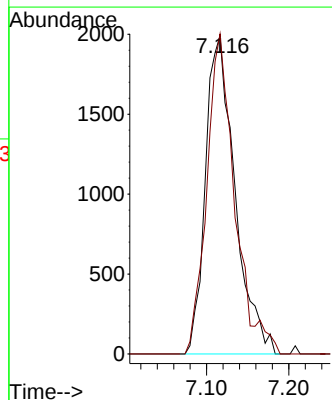
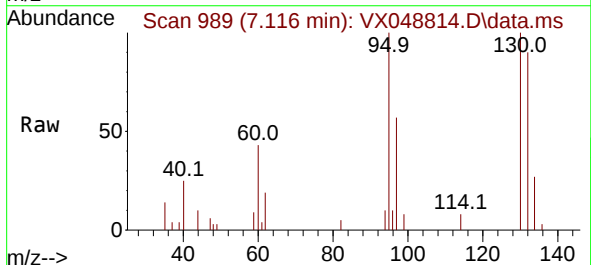


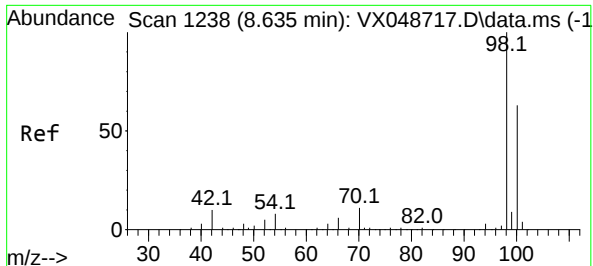
Tgt Ion:117 Resp: 13329
Ion Ratio Lower Upper
117 100
119 4.2 80.5 120.7#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 2.414 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion:130 Resp: 4959
Ion Ratio Lower Upper
130 100
95 100.5 0.0 189.6

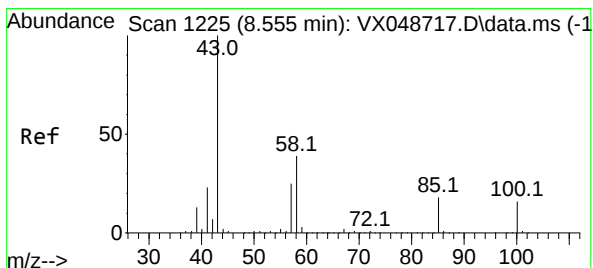
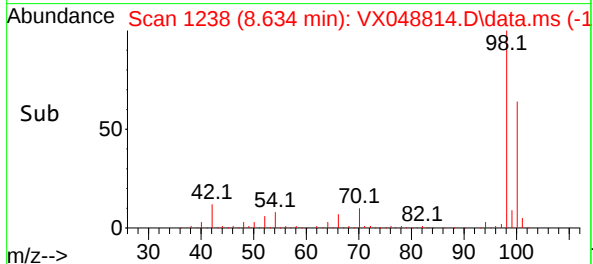
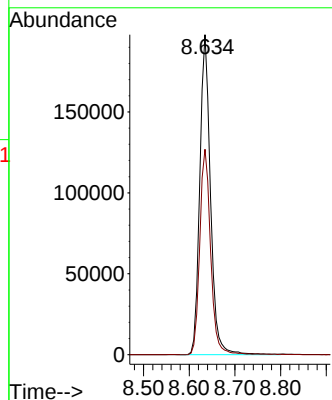
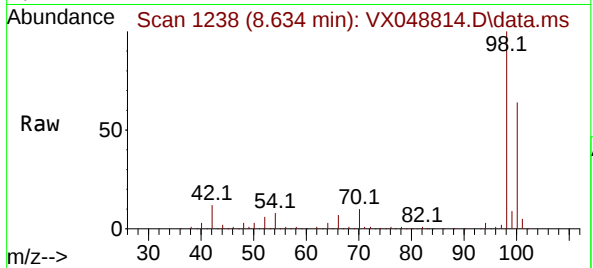




#50
Toluene-d8
Concen: 47.226 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

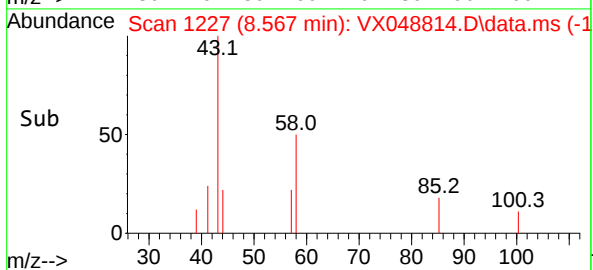
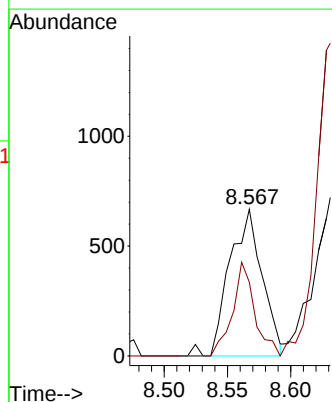
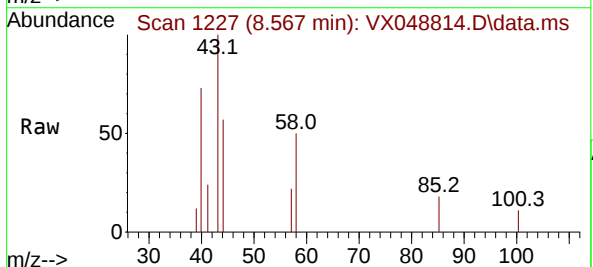
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

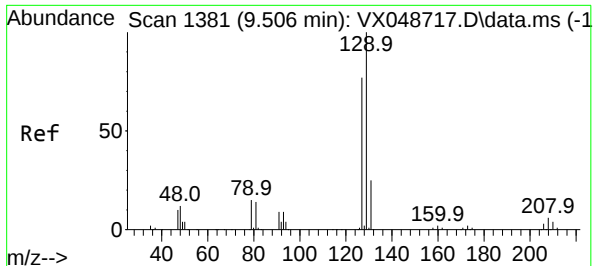
Tgt Ion: 98 Resp: 321038
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 43.1 32.2 48.4

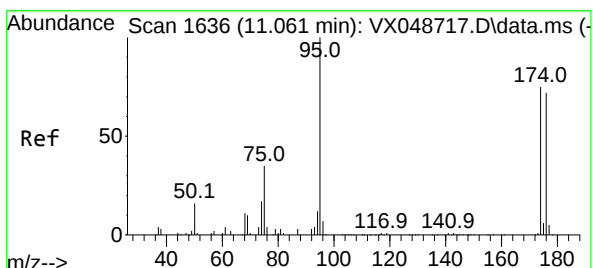
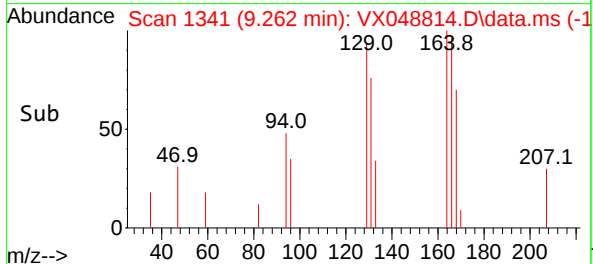
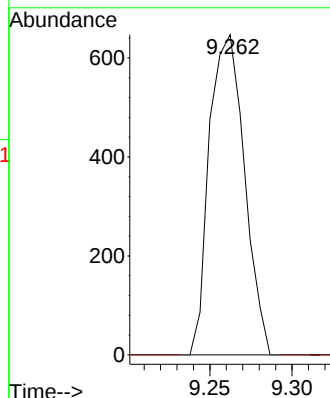
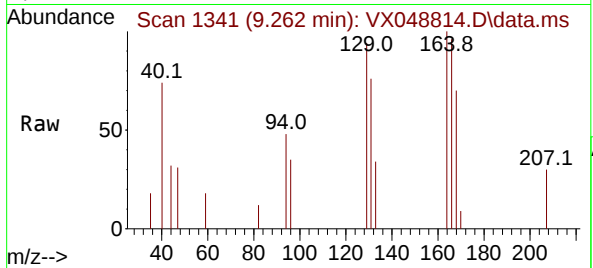




#60
Dibromochloromethane
Concen: 0.408 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

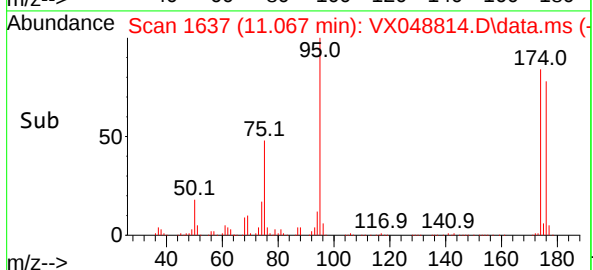
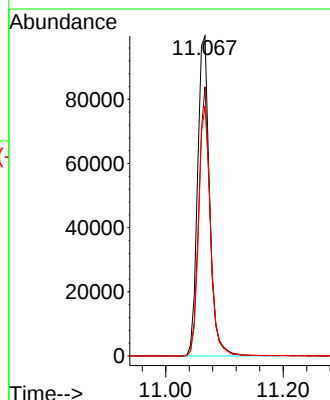
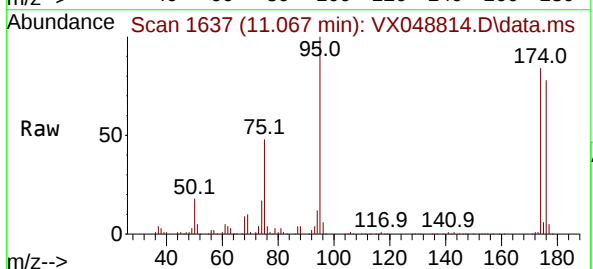
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

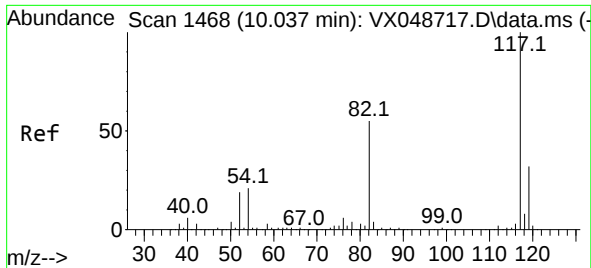
Tgt Ion:129 Resp: 964
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 60.396 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion: 95 Resp: 141576
Ion Ratio Lower Upper
95 100
174 80.2 0.0 157.8
176 77.2 0.0 154.0

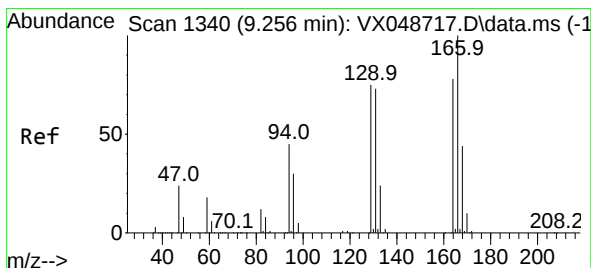
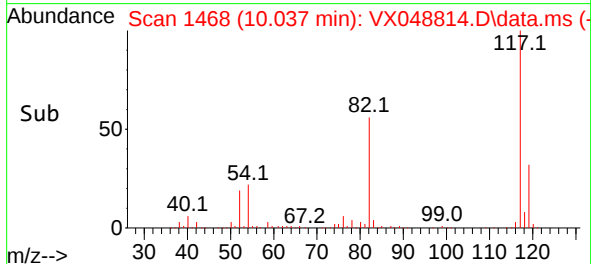
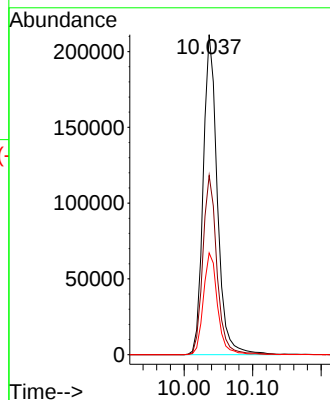
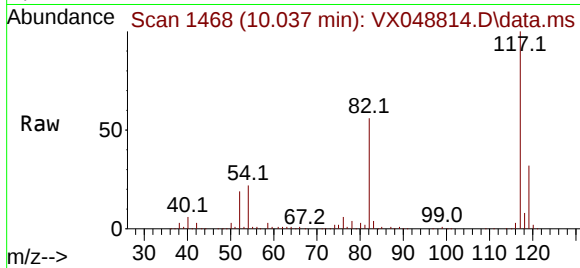




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

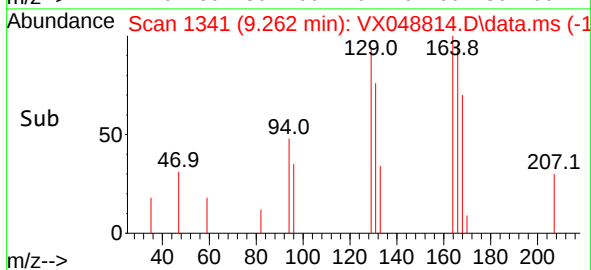
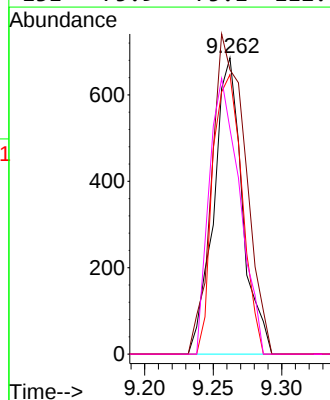
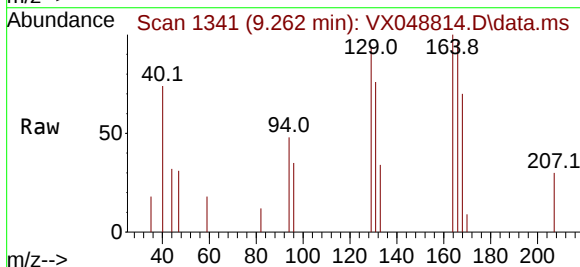
Instrument : MSVOA_X
ClientSampleId : OW-01B-66.5-120525

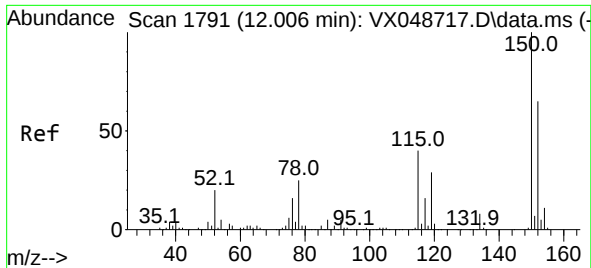
Tgt Ion:117 Resp: 303661
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 0.452 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion:164 Resp: 1000
Ion Ratio Lower Upper
164 100
166 95.9 103.1 154.7#
129 94.3 76.9 115.3
131 75.9 75.1 112.7

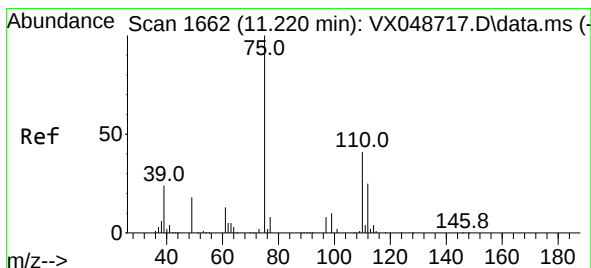
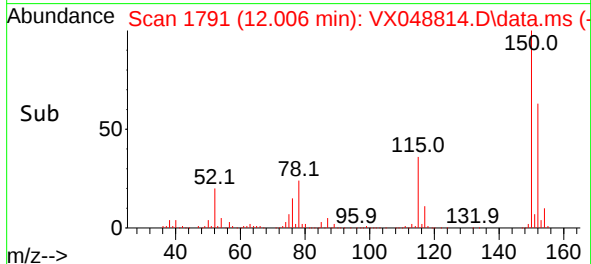
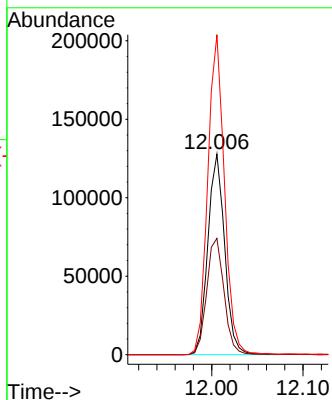
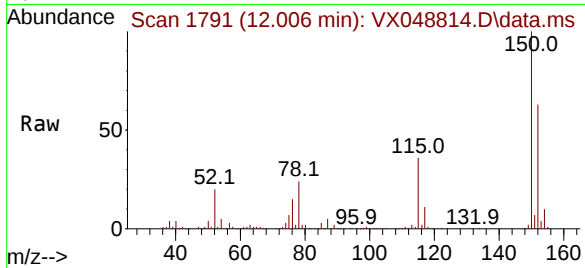




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

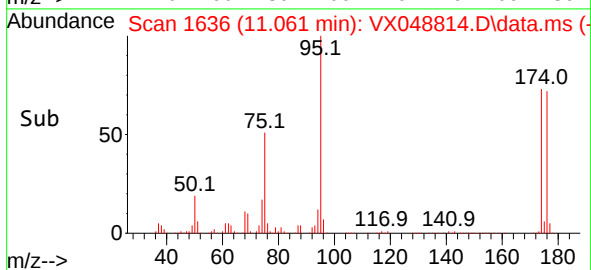
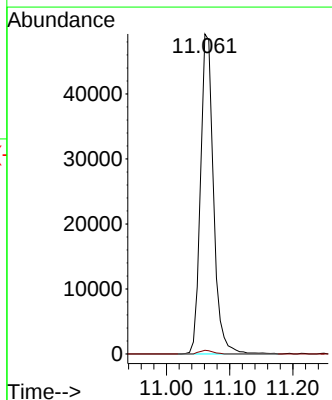
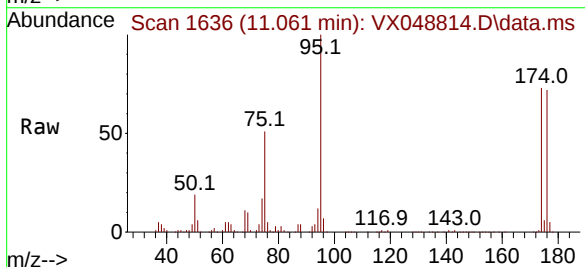
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

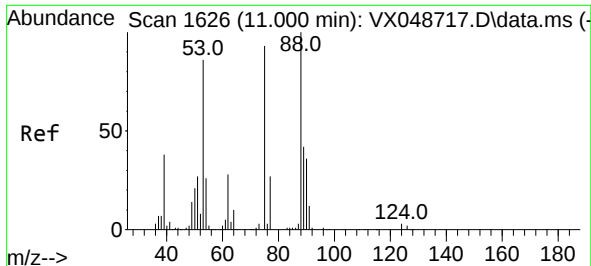
Tgt Ion:152 Resp: 163248
 Ion Ratio Lower Upper
 152 100
 115 59.9 42.1 126.4
 150 158.2 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.221 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048814.D
 Acq: 10 Dec 2025 16:13

Tgt Ion: 75 Resp: 70604
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 73.0#

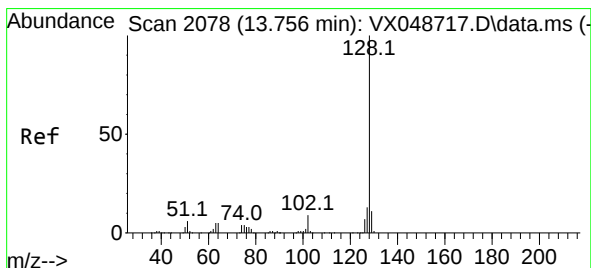
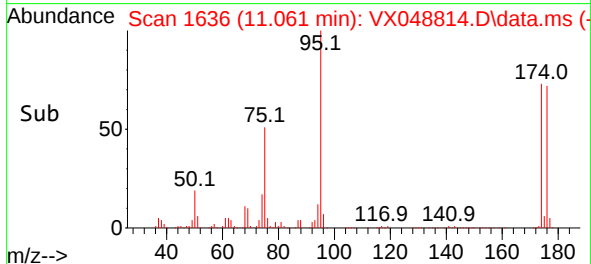
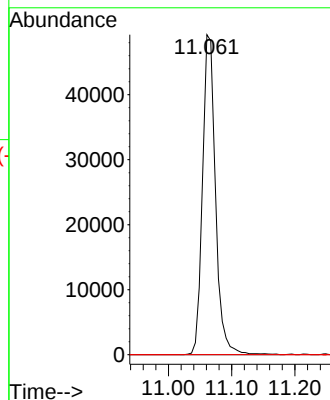
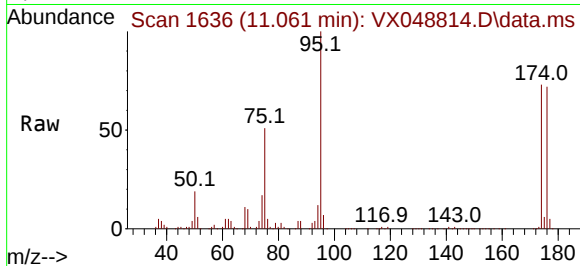




#81
trans-1,4-Dichloro-2-butene
Concen: 55.159 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

Tgt Ion: 75 Resp: 70604
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.761 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048814.D
Acq: 10 Dec 2025 16:13

Tgt Ion:128 Resp: 547
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

