

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048046.D
 Acq On : 07 Oct 2025 12:41
 Operator : JC/MD
 Sample : Q3298-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 01:26:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

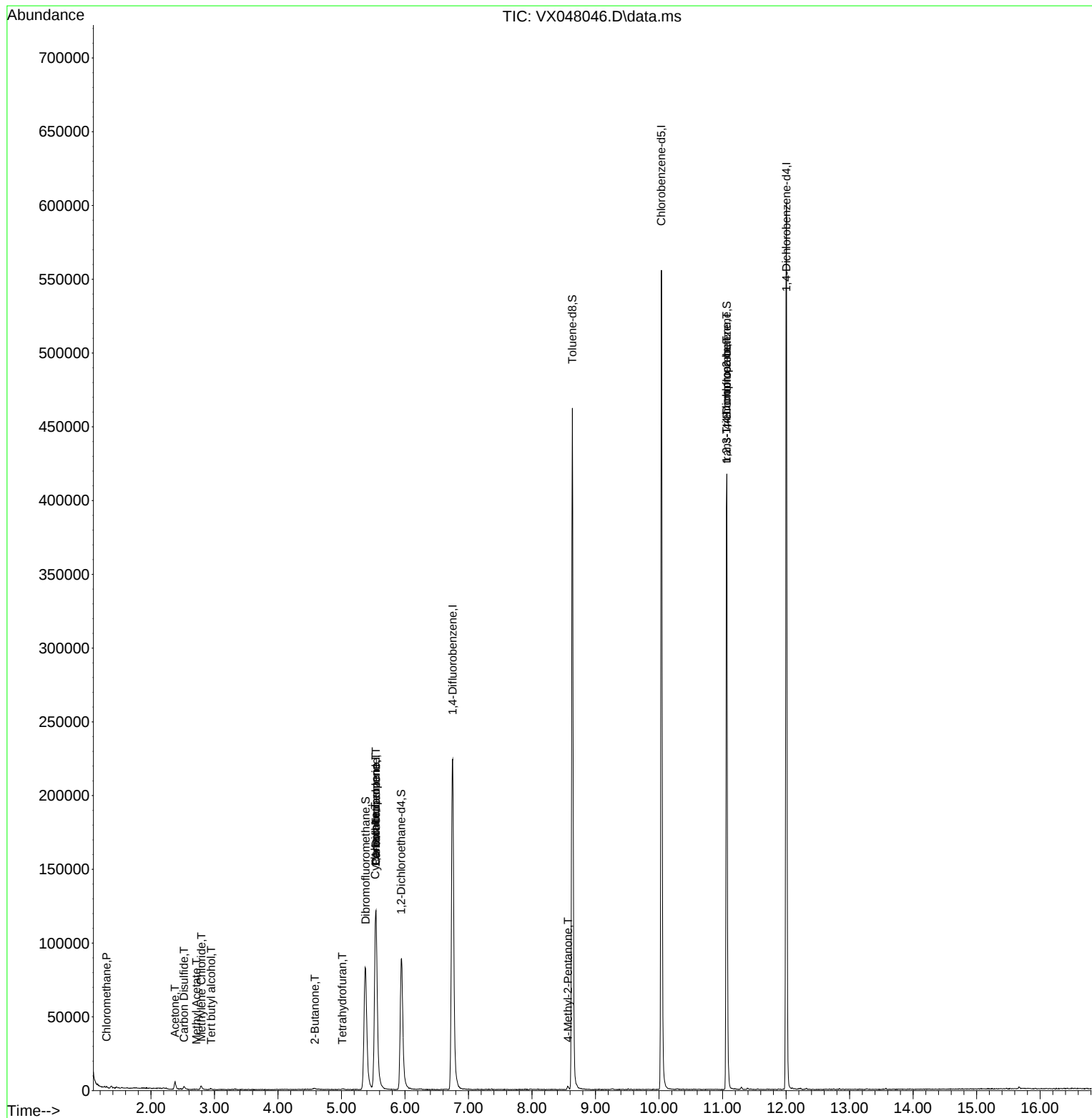
Internal Standards						
1) Pentafluorobenzene	5.544	168	121980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	247625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	255671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99609	51.302	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.600%
35) Dibromofluoromethane	5.379	113	81522	49.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	8.635	98	279587	48.654	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.300%
62) 4-Bromofluorobenzene	11.067	95	117531	53.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	907	0.546	ug/l #	79
11) Tert butyl alcohol	2.947	59	262	1.212	ug/l #	72
16) Acetone	2.380	43	6241	7.393	ug/l	93
17) Carbon Disulfide	2.520	76	1645	0.415	ug/l	97
18) Methyl Acetate	2.715	43	456	0.243	ug/l #	54
20) Methylene Chloride	2.794	84	1216	0.680	ug/l #	79
25) 2-Butanone	4.580	43	1414	1.343	ug/l	94
29) Tetrahydrofuran	5.013	42	333	0.526	ug/l #	57
31) Cyclohexane	5.531	56	2677	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10343	4.262	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13550	5.139	ug/l #	19
51) 4-Methyl-2-Pentanone	8.567	43	1545	0.654	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	61333	23.870	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	61333	60.871	ug/l #	8

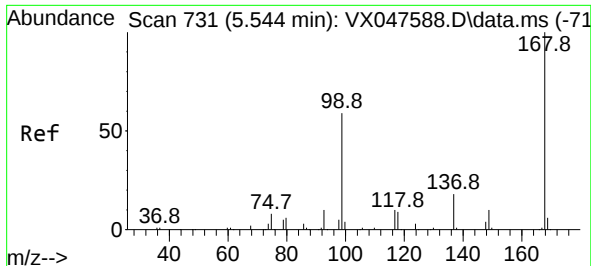
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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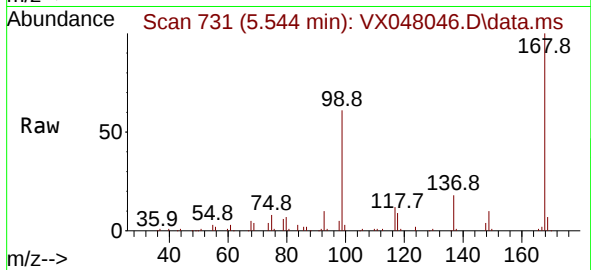
Quant Time: Oct 08 01:26:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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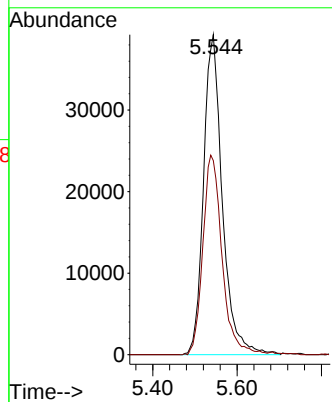
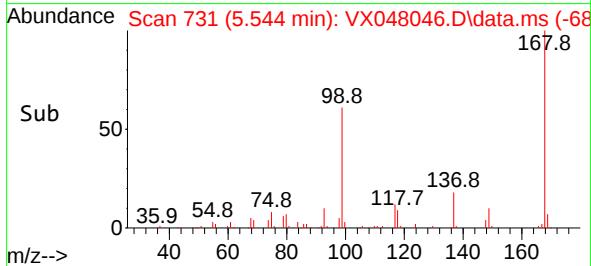


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :

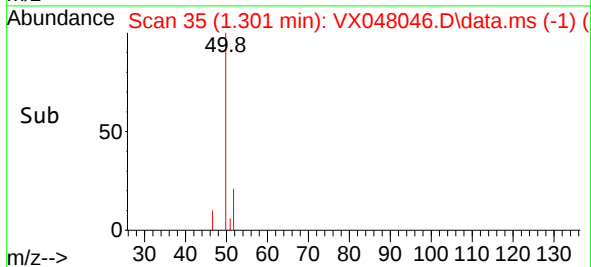
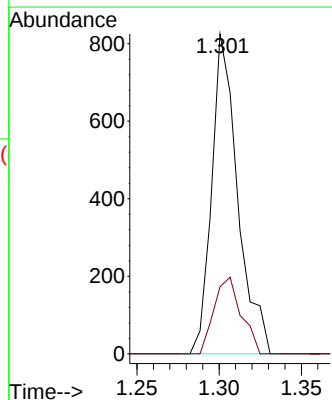
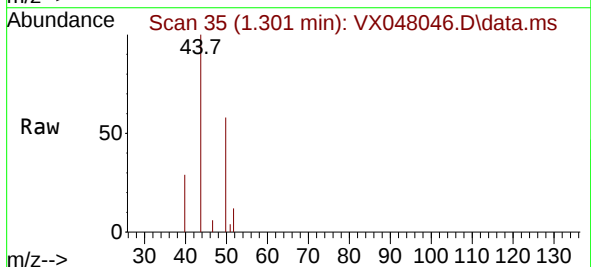


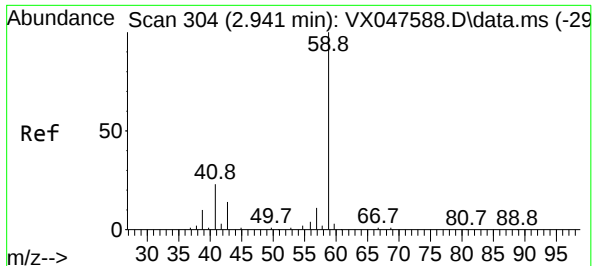
Tgt Ion:168 Resp: 121980
Ion Ratio Lower Upper
168 100
99 60.7 48.8 73.2



#3
Chloromethane
Concen: 0.546 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Tgt Ion: 50 Resp: 907
Ion Ratio Lower Upper
50 100
52 21.0 26.1 39.1#

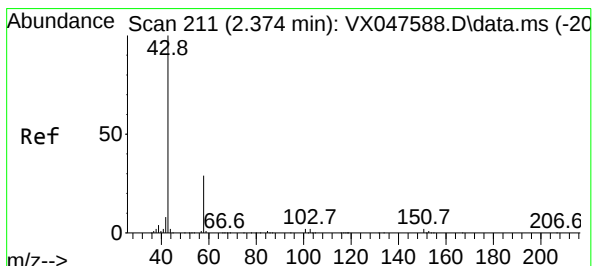
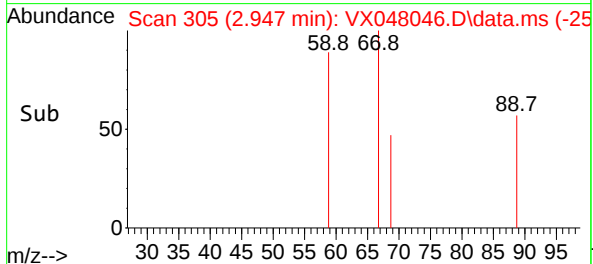
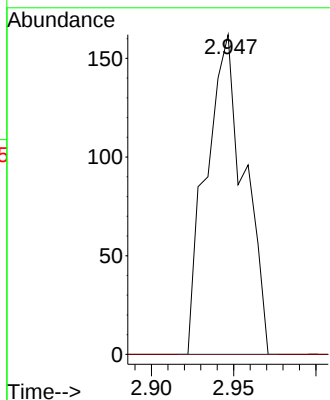
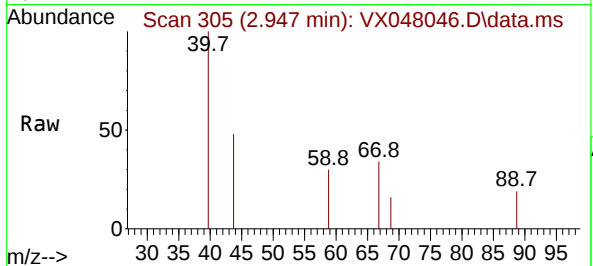




#11
Tert butyl alcohol
Concen: 1.212 ug/l
RT: 2.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

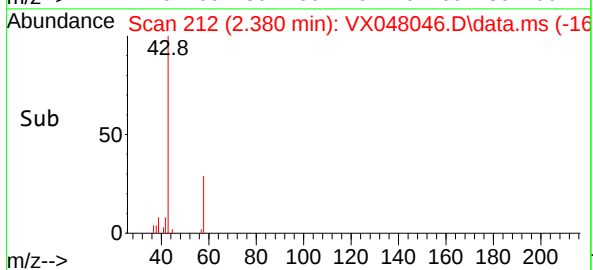
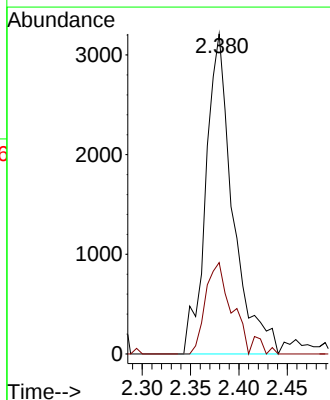
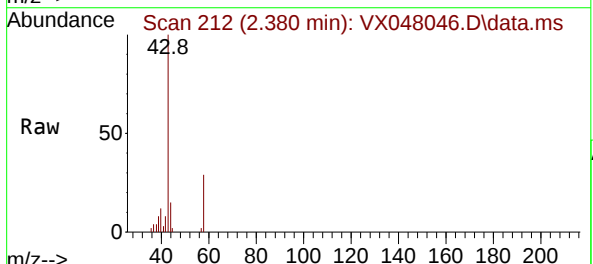
Instrument :
MSVOA_X
ClientSampleId :

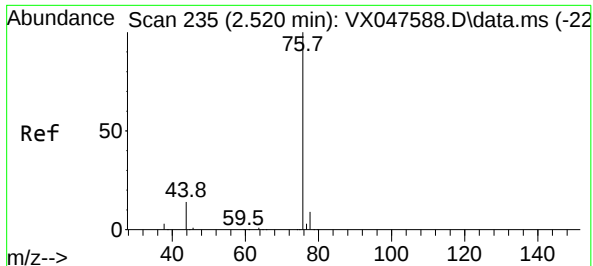
Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.393 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

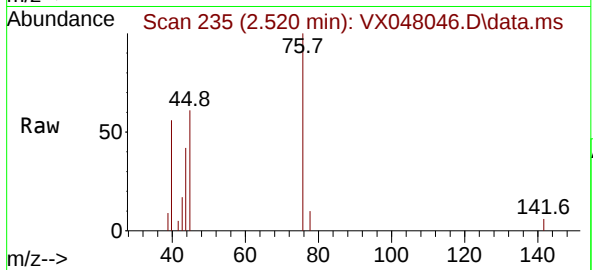
Tgt Ion: 43 Resp: 6241
Ion Ratio Lower Upper
43 100
58 33.1 23.4 35.0



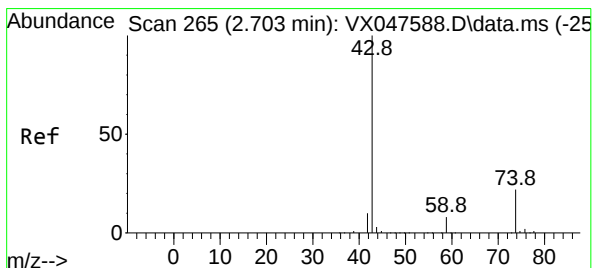
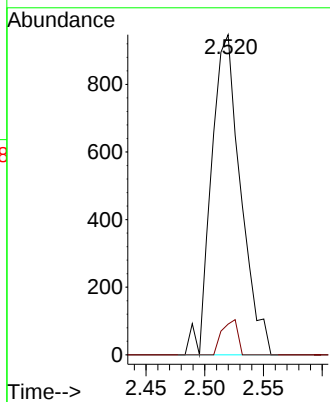
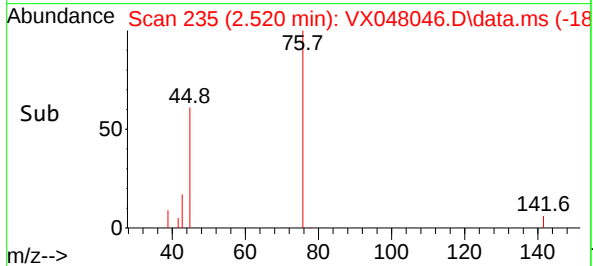


#17
Carbon Disulfide
Concen: 0.415 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :

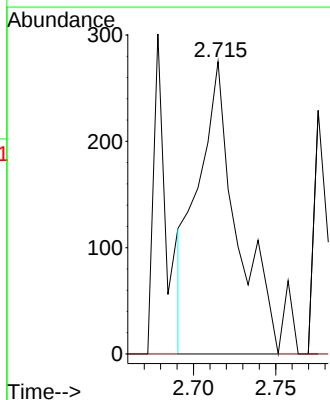
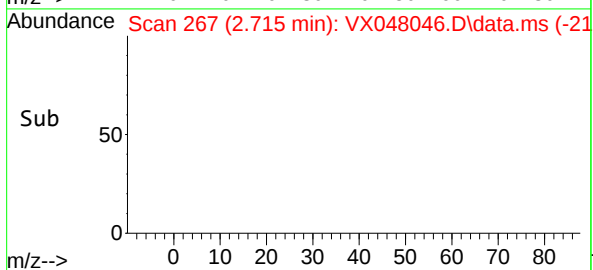
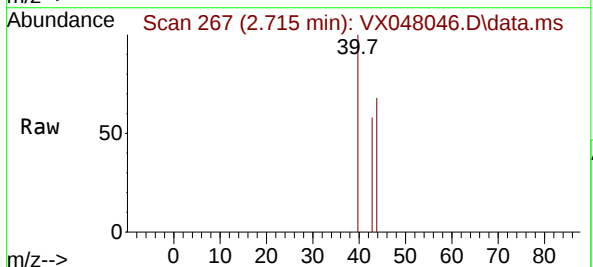


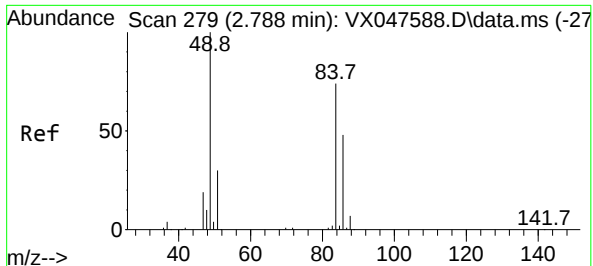
Tgt Ion: 76 Resp: 1645
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 0.243 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

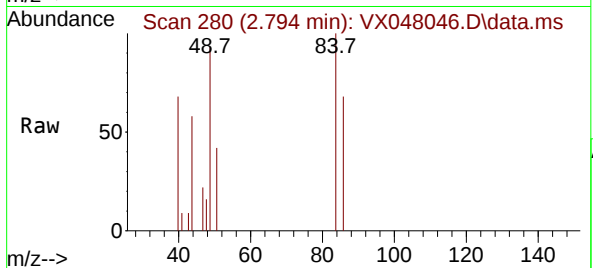
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



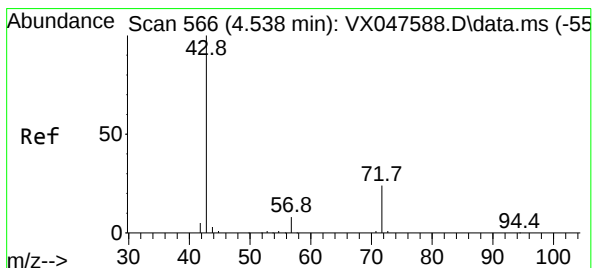
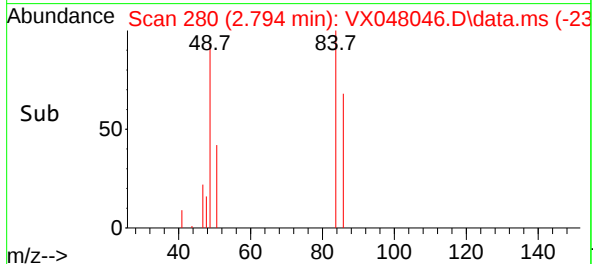
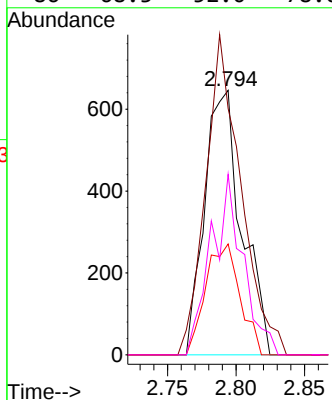


#20
Methylene Chloride
Concen: 0.680 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :

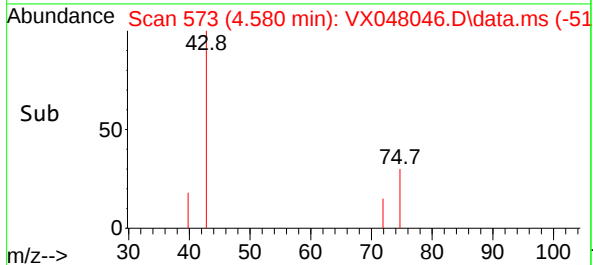
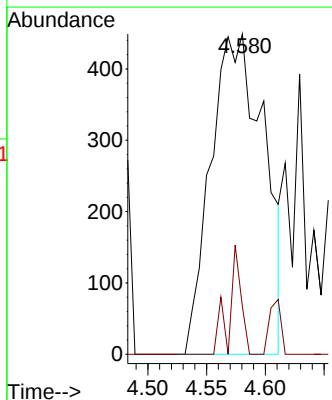
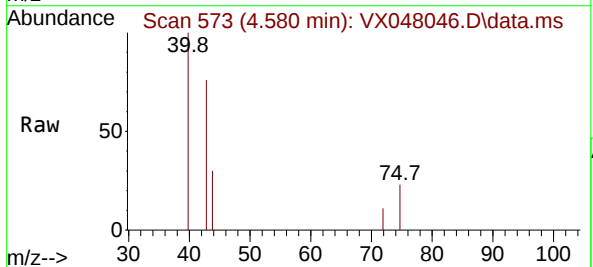


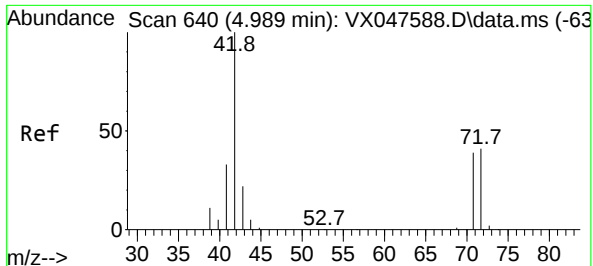
Tgt Ion: 84 Resp: 1216
Ion Ratio Lower Upper
84 100
49 93.2 108.6 162.8#
51 42.0 32.6 48.8
86 68.3 52.0 78.0



#25
2-Butanone
Concen: 1.343 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.043 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
72 28.0 20.1 30.1





#29

Tetrahydrofuran

Concen: 0.526 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

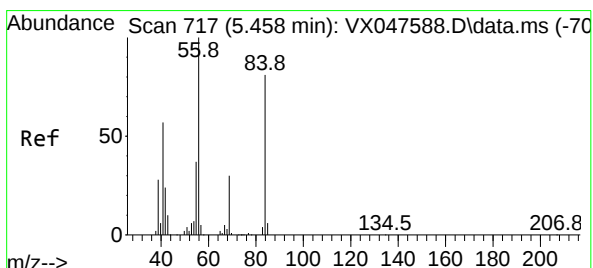
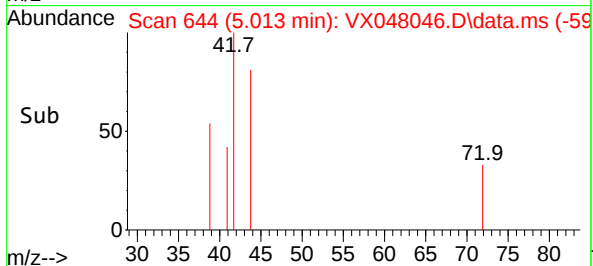
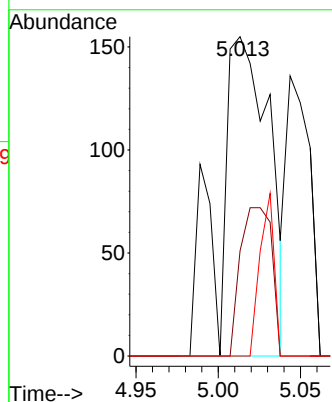
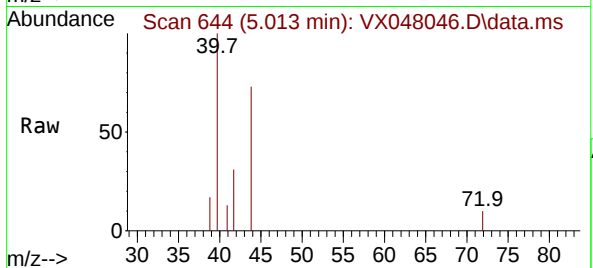
Tgt Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 28.5 34.2 51.2#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

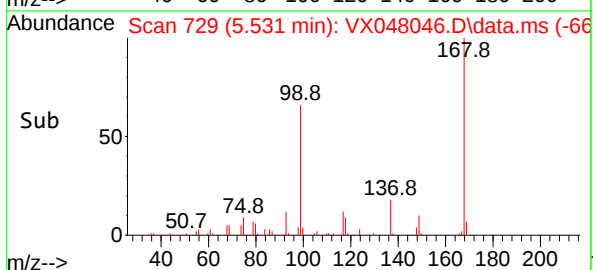
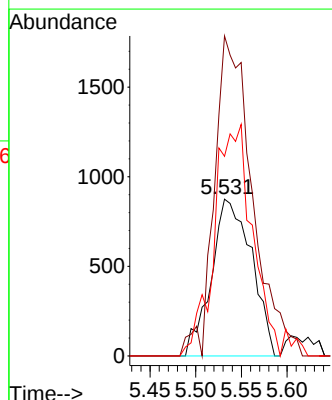
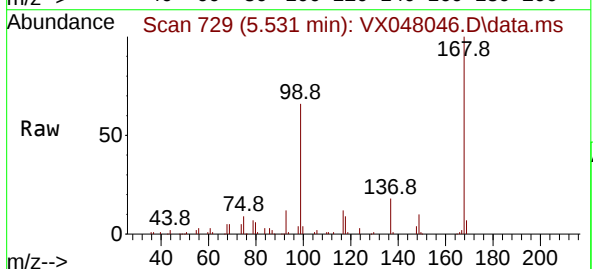
Tgt Ion: 56 Resp: 2677

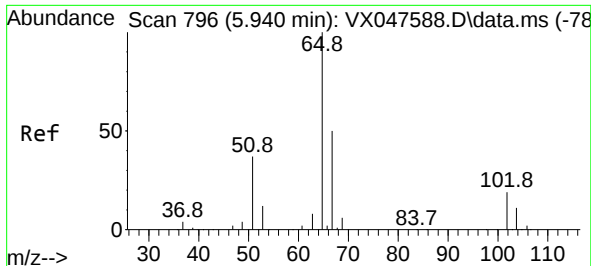
Ion Ratio Lower Upper

56 100

69 204.1 23.8 35.8#

84 127.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.302 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

Instrument :

MSVOA_X

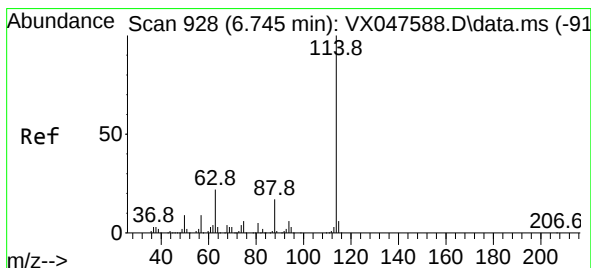
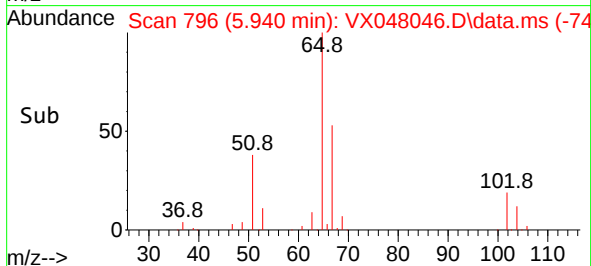
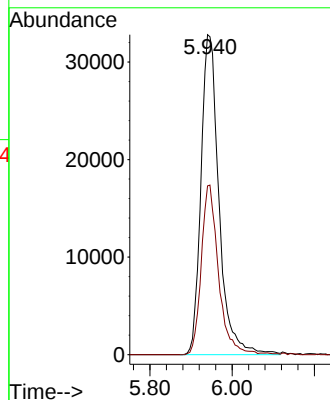
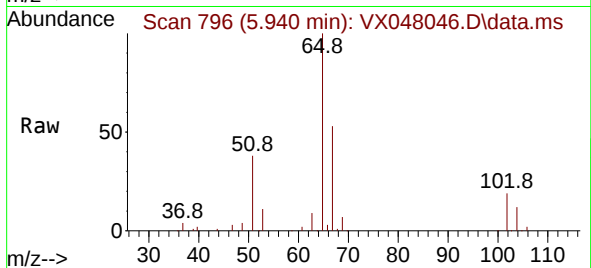
ClientSampleId :

Tgt Ion: 65 Resp: 99609

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

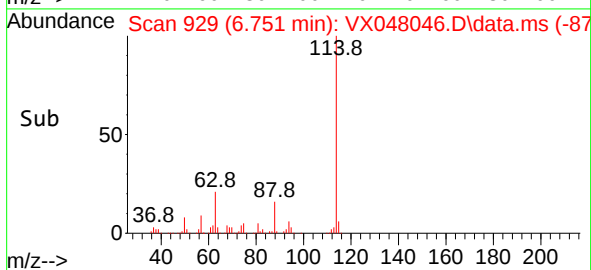
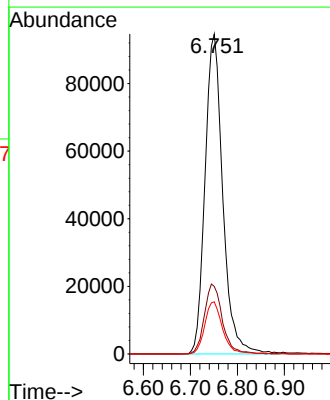
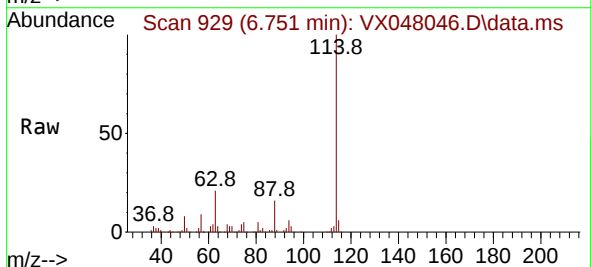
Tgt Ion: 114 Resp: 247625

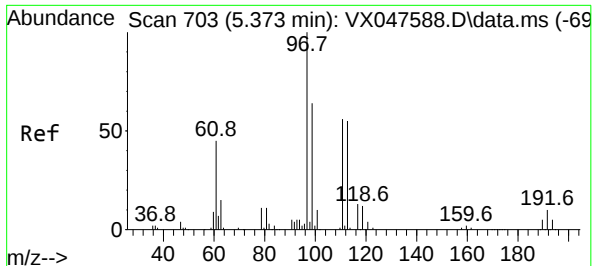
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.3 0.0 34.2

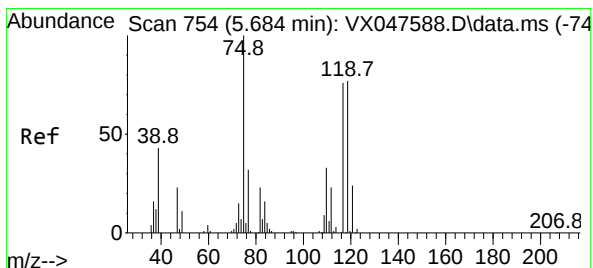
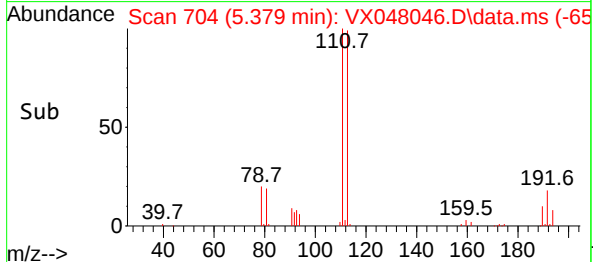
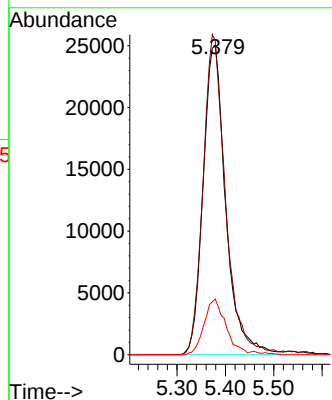
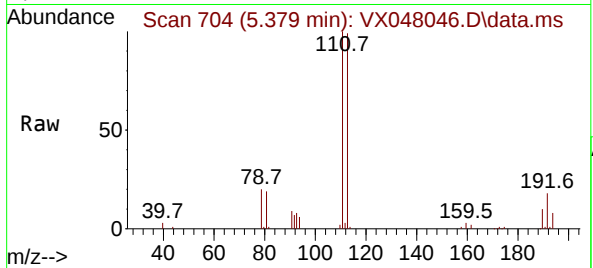




#35
Dibromofluoromethane
Concen: 49.089 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

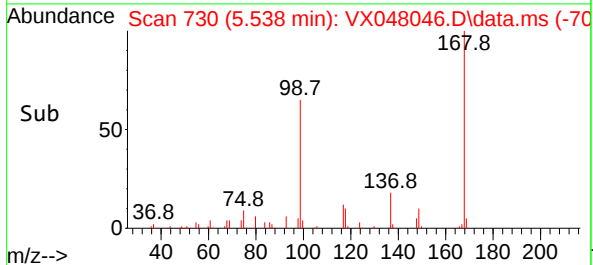
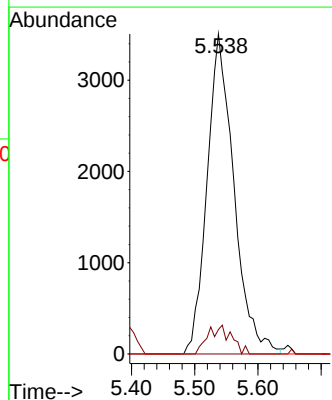
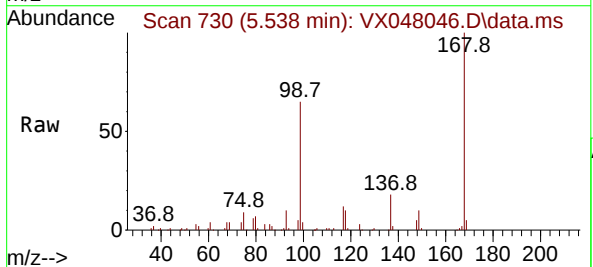
Instrument :
MSVOA_X
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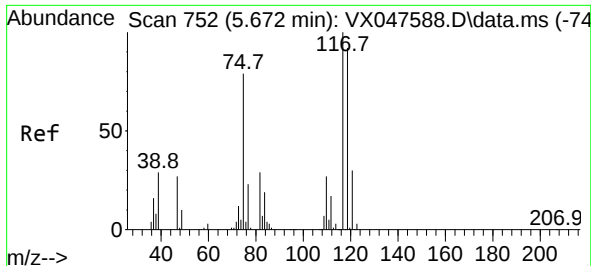
Tgt Ion:113 Resp: 81522
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.262 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

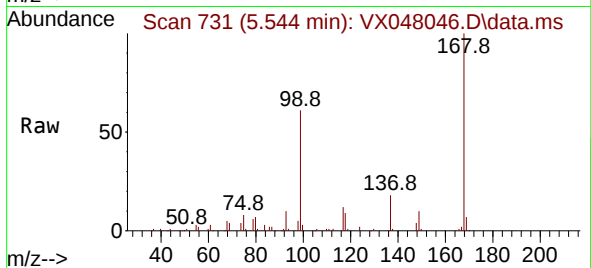
Tgt Ion: 75 Resp: 10343
Ion Ratio Lower Upper
75 100
110 7.8 16.7 50.1#
77 0.0 24.3 36.5#



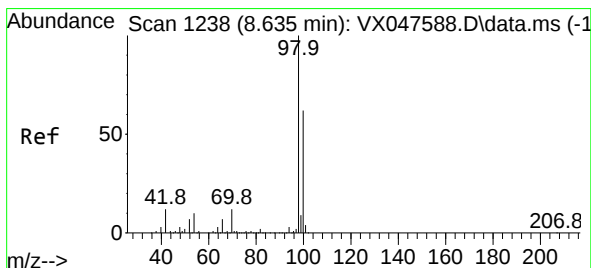
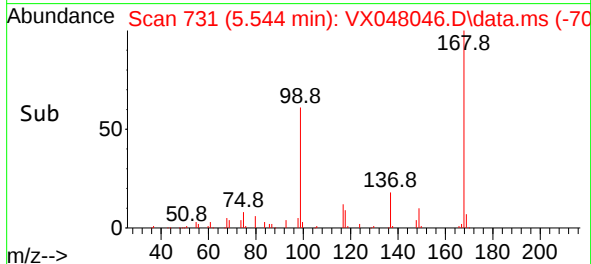
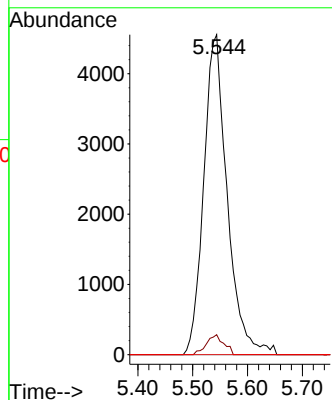


#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :

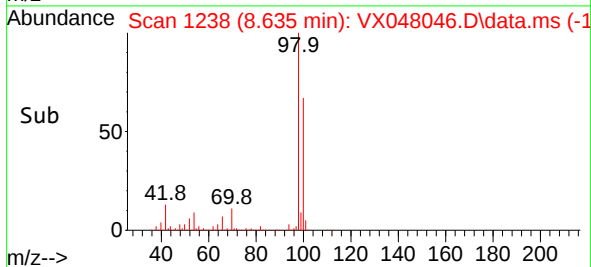
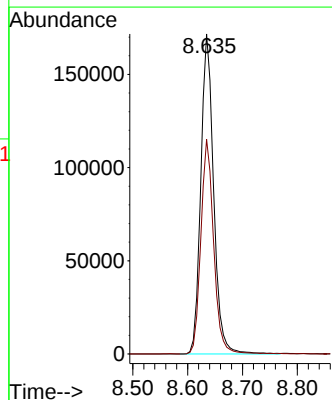
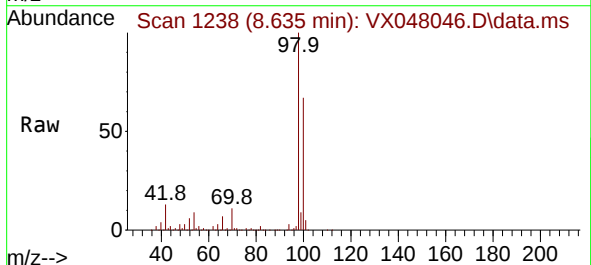


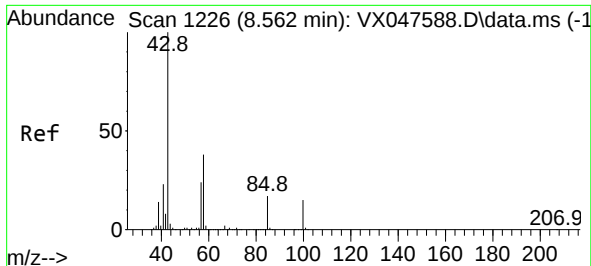
Tgt Ion:117 Resp: 13550
Ion Ratio Lower Upper
117 100
119 6.2 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.654 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Tgt Ion: 98 Resp: 279587
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4

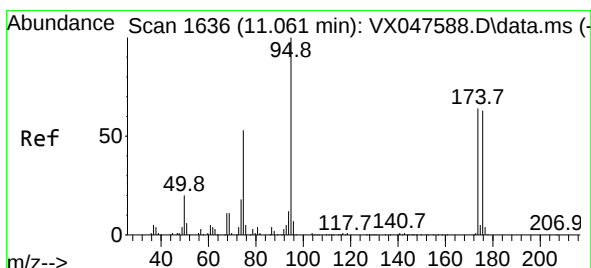
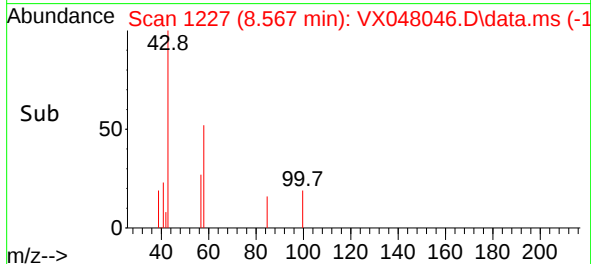
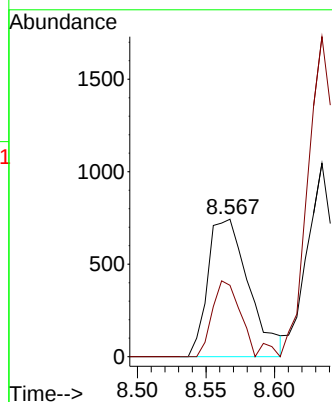
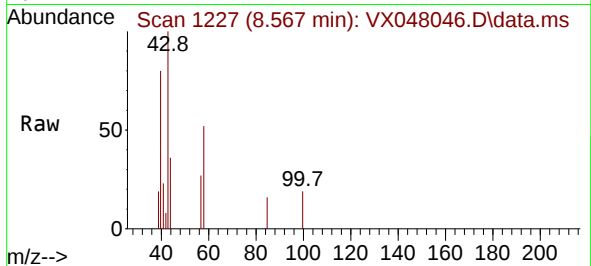




#51
4-Methyl-2-Pentanone
Concen: 0.654 ug/l
RT: 8.567 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

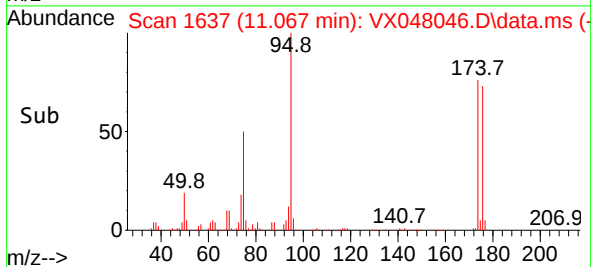
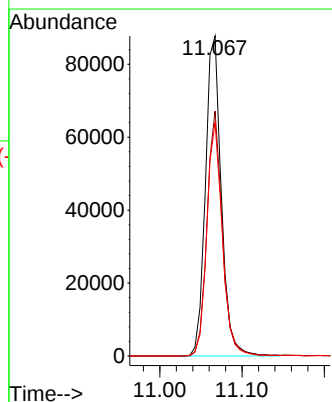
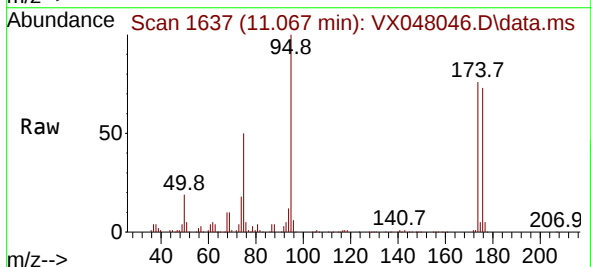
Instrument :
MSVOA_X
ClientSampleId :

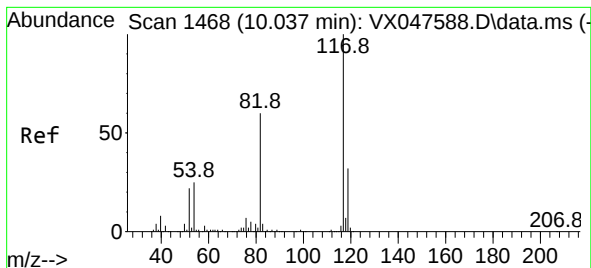
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 39.9 30.3 45.5



#62
4-Bromofluorobenzene
Concen: 53.892 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Tgt Ion: 95 Resp: 117531
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 71.0 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

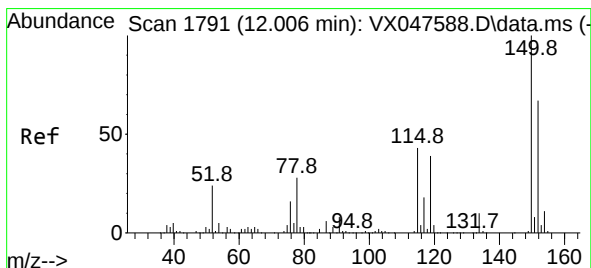
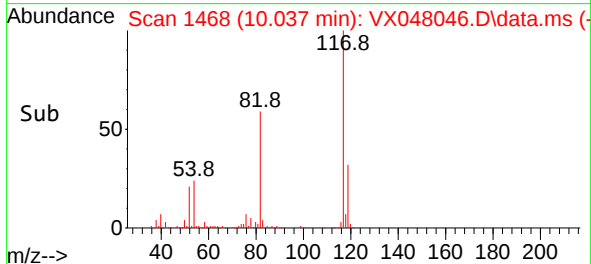
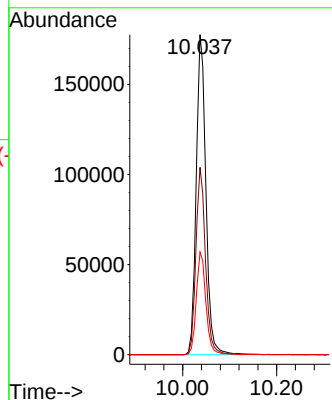
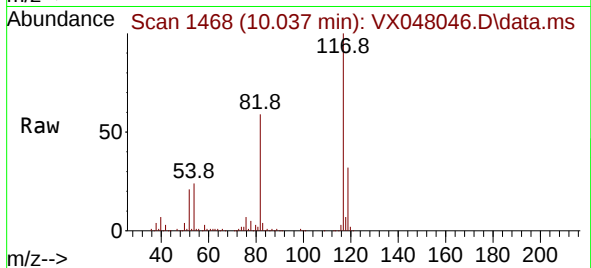
Tgt Ion:117 Resp: 255671

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.6

119 32.0 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048046.D

Acq: 07 Oct 2025 12:41

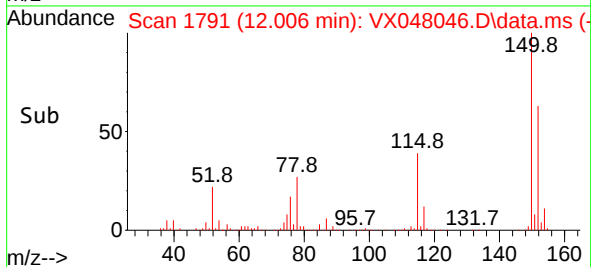
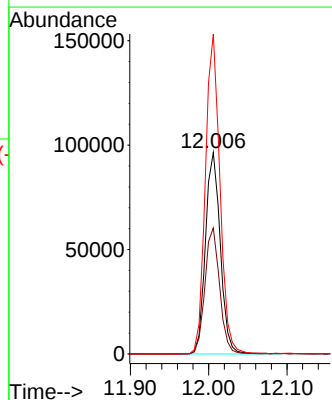
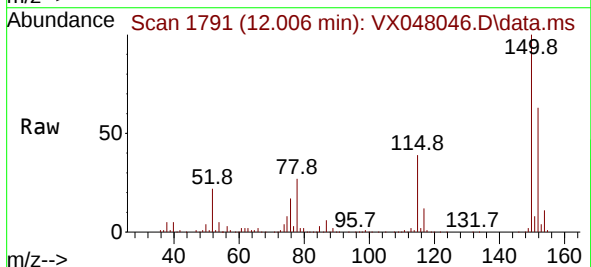
Tgt Ion:152 Resp: 126909

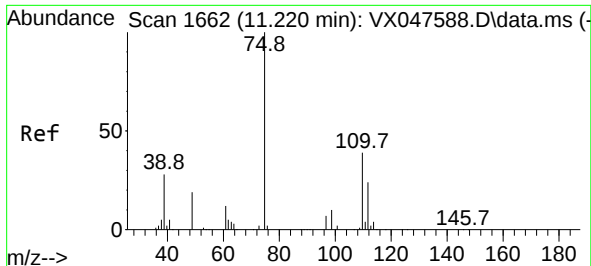
Ion Ratio Lower Upper

152 100

115 62.0 44.9 134.5

150 155.3 0.0 352.0

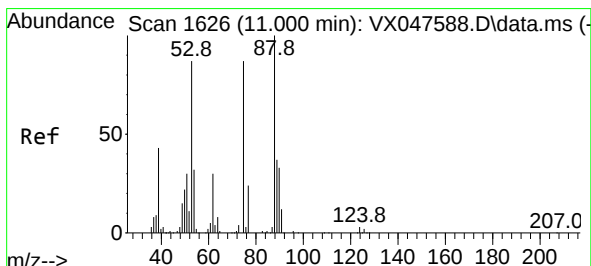
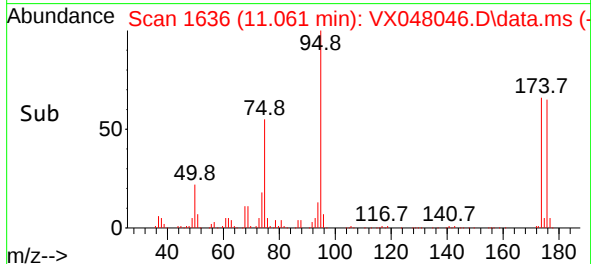
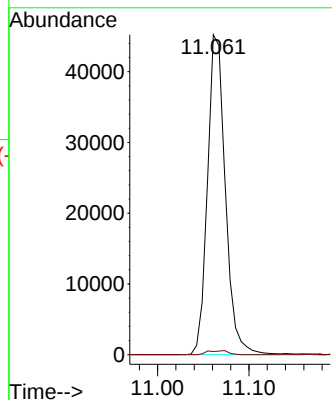
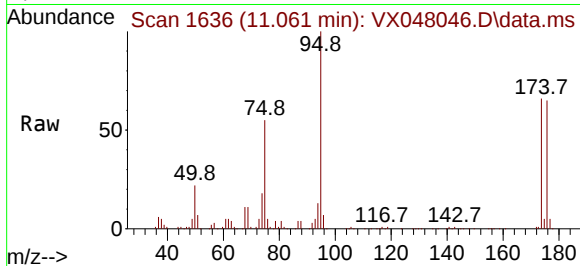




#76
1,2,3-Trichloropropane
Concen: 23.870 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61333
Ion Ratio Lower Upper
75 100
77 1.5 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.871 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048046.D
Acq: 07 Oct 2025 12:41

Tgt Ion: 75 Resp: 61333
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

