

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048815.D
 Acq On : 10 Dec 2025 16:34
 Operator : JC/MD
 Sample : Q3788-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-120525RE

Quant Time: Dec 11 00:26:16 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)

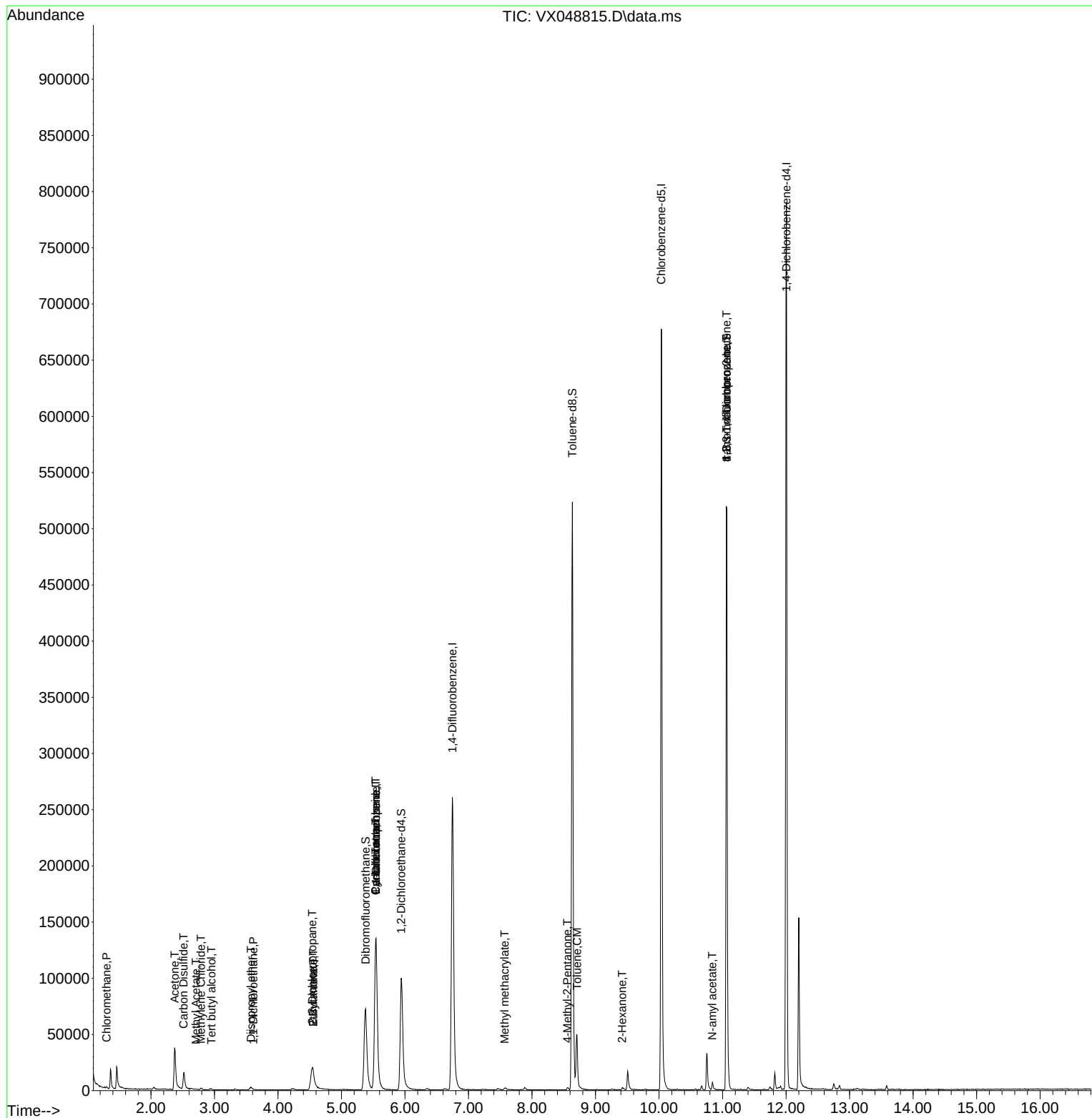
Internal Standards						
1) Pentafluorobenzene	5.544	168	141844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	294856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	321925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	176216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109464	57.497	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.000%
35) Dibromofluoromethane	5.379	113	72006	35.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.940%#
50) Toluene-d8	8.635	98	333543	46.869	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.740%
62) 4-Bromofluorobenzene	11.061	95	150896	61.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	1083	0.594	ug/l	97
11) Tert butyl alcohol	2.953	59	524	1.705	ug/l #	73
16) Acetone	2.373	43	50972	69.938	ug/l	100
17) Carbon Disulfide	2.514	76	1671	0.349	ug/l #	89
18) Methyl Acetate	2.709	43	642	0.313	ug/l #	51
20) Methylene Chloride	2.788	84	641	0.352	ug/l #	90
22) Diisopropyl ether	3.574	45	1401	0.271	ug/l #	1
24) 1,1-Dichloroethane	3.611	63	730	0.253	ug/l #	82
25) 2-Butanone	4.556	43	9969	9.268	ug/l #	84
26) 2,2-Dichloropropane	4.538	77	1520	0.596	ug/l #	52
31) Cyclohexane	5.538	56	2513	0.977	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11189	4.024	ug/l #	48
37) Ethyl Acetate	4.556	43	9969	3.000	ug/l #	73
38) Carbon Tetrachloride	5.538	117	14121	4.483	ug/l #	14
48) Methyl methacrylate	7.568	41	658	0.260	ug/l #	32
51) 4-Methyl-2-Pentanone	8.555	43	1398	0.448	ug/l	97
52) Toluene	8.708	92	19617	3.947	ug/l	100
59) 2-Hexanone	9.421	43	1894	0.864	ug/l	73
74) N-amyl acetate	10.835	43	1697	0.329	ug/l #	58
76) 1,2,3-Trichloropropane	11.061	75	74817	22.796	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	74817	54.149	ug/l #	3
95) Naphthalene	13.768	128	451	Below Cal	#	69

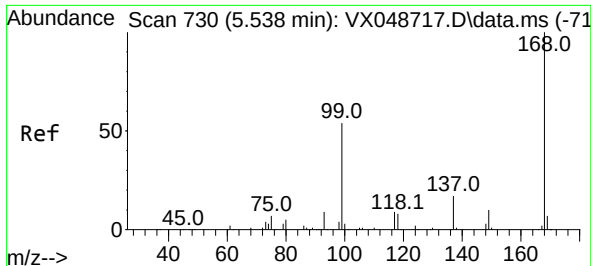
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
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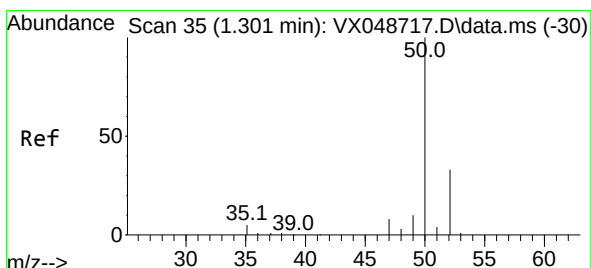
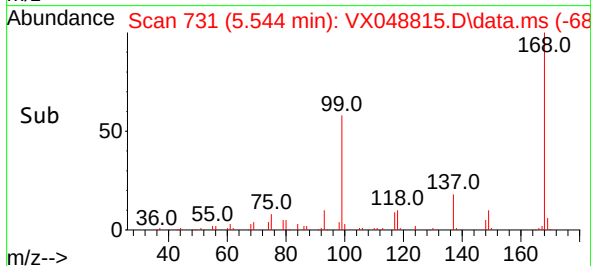
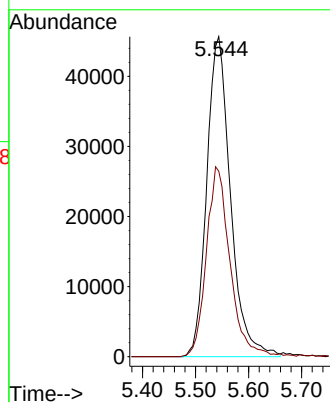
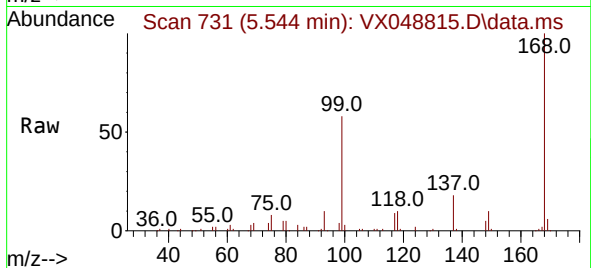




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

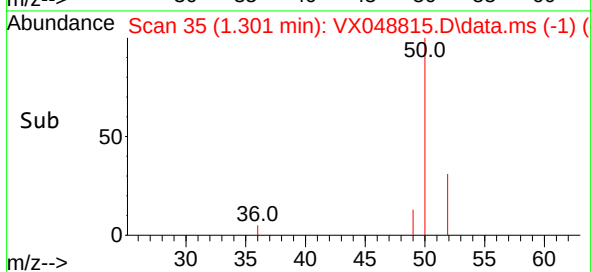
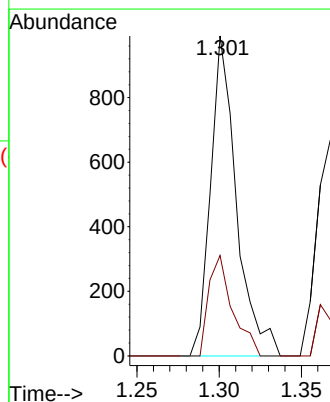
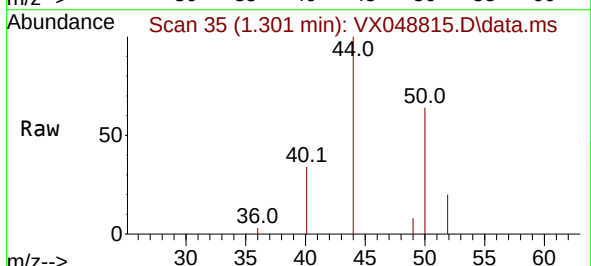
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

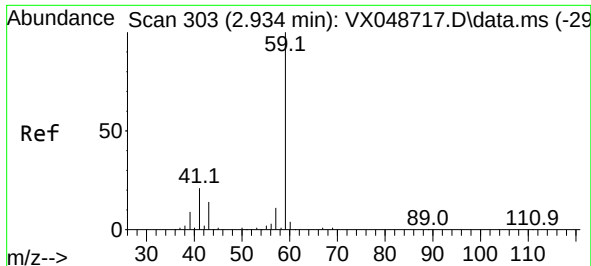
Tgt Ion:168 Resp: 141844
Ion Ratio Lower Upper
168 100
99 58.0 44.2 66.4



#3
Chloromethane
Concen: 0.594 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 50 Resp: 1083
Ion Ratio Lower Upper
50 100
52 31.4 26.4 39.6

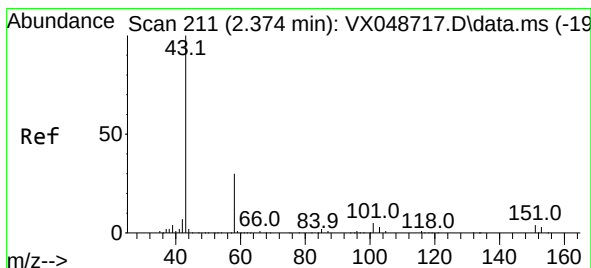
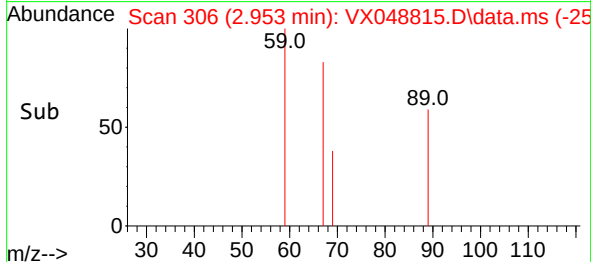
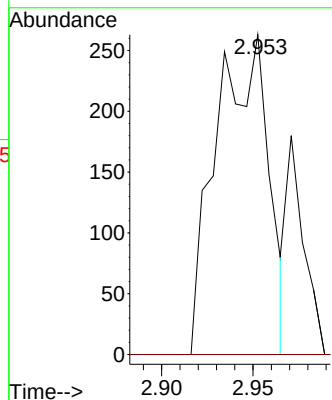
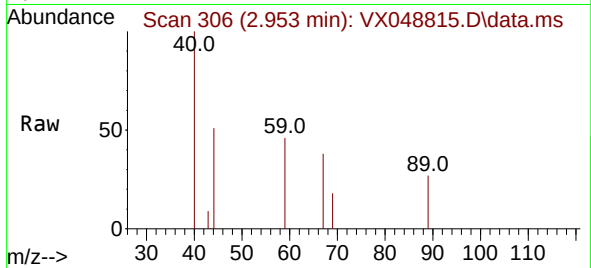




#11
Tert butyl alcohol
Concen: 1.705 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.018 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

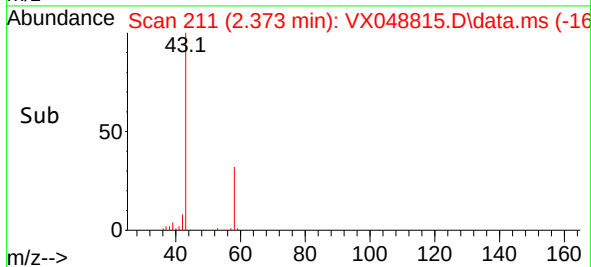
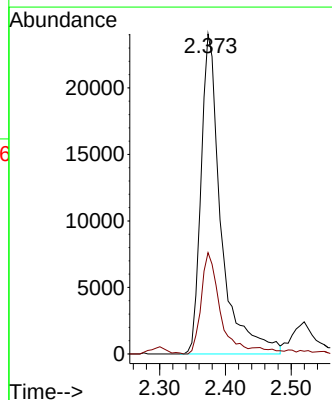
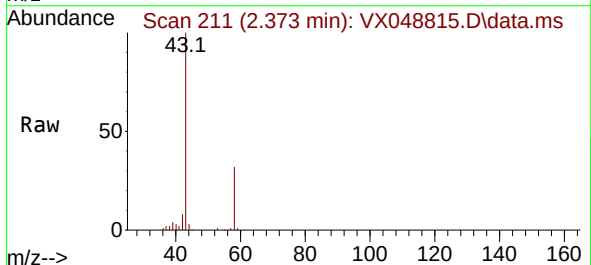
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

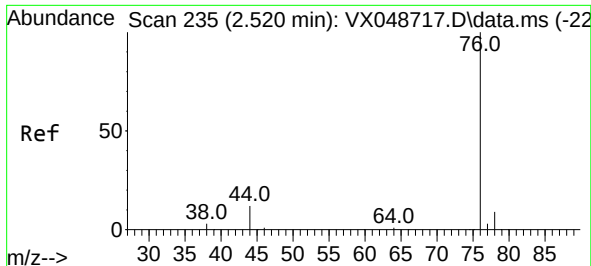
Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 69.938 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 43 Resp: 50972
Ion Ratio Lower Upper
43 100
58 31.4 25.0 37.4

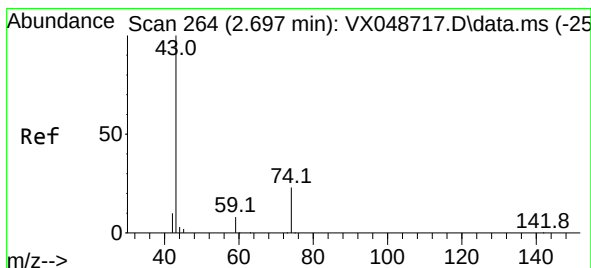
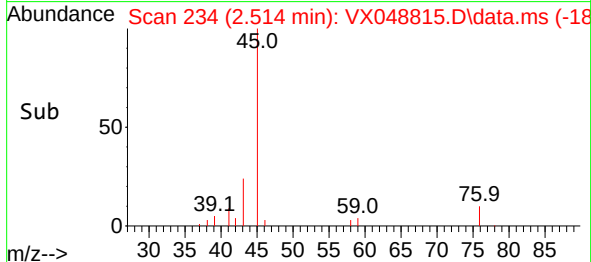
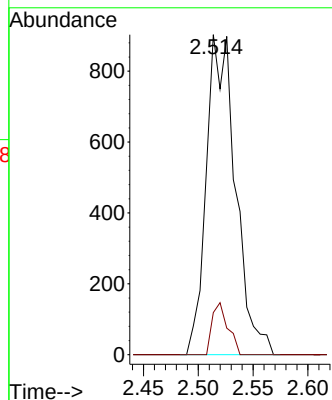
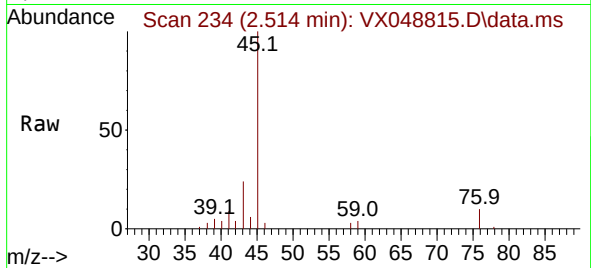




#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

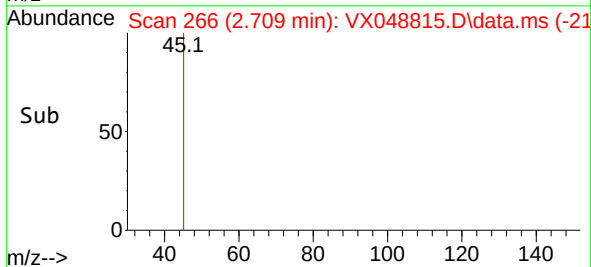
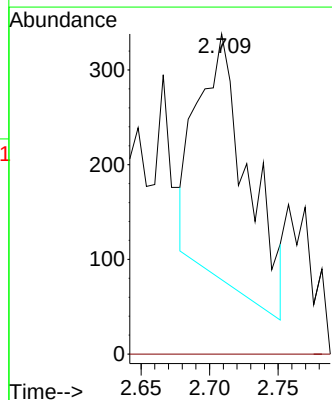
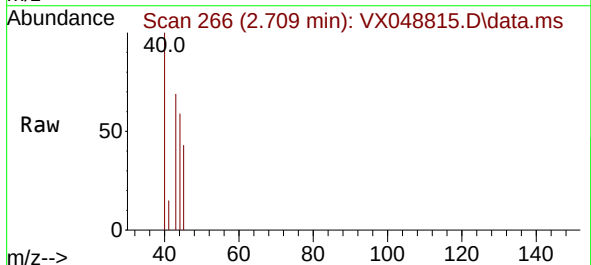
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

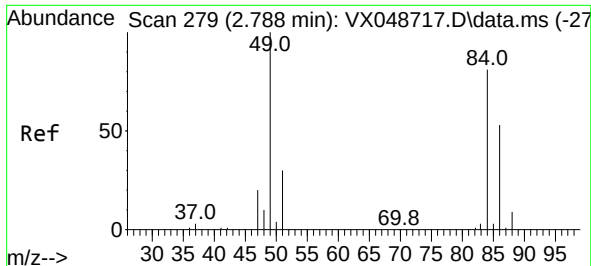
Tgt Ion: 76 Resp: 1671
Ion Ratio Lower Upper
76 100
78 13.2 7.4 11.2#



#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

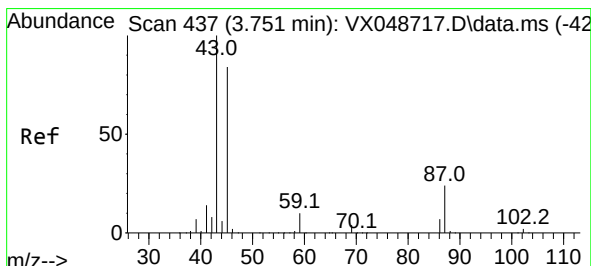
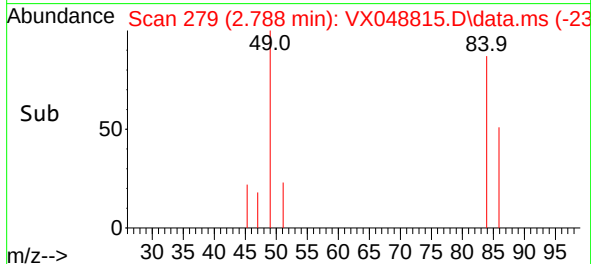
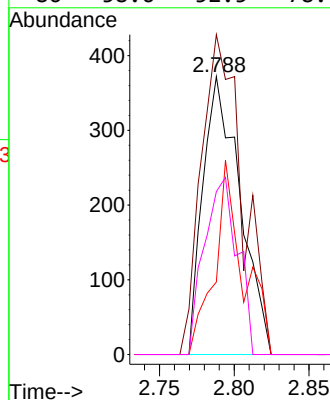
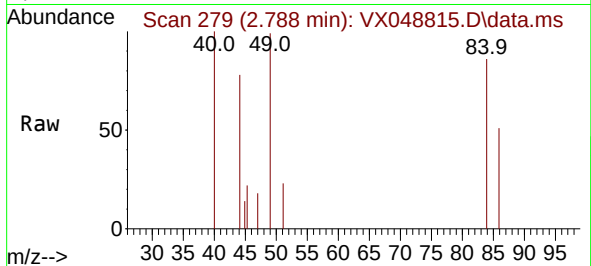




#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

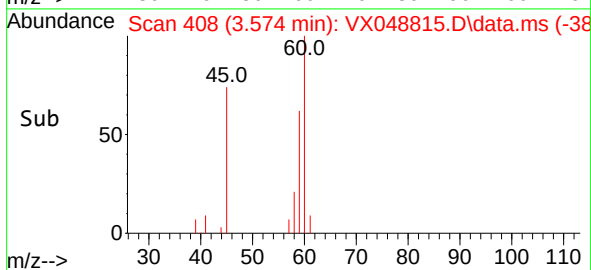
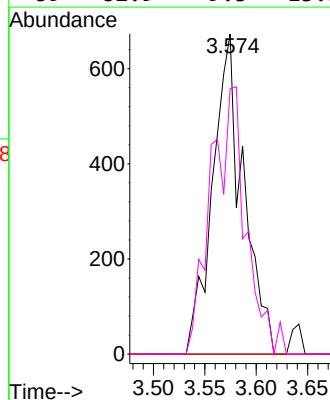
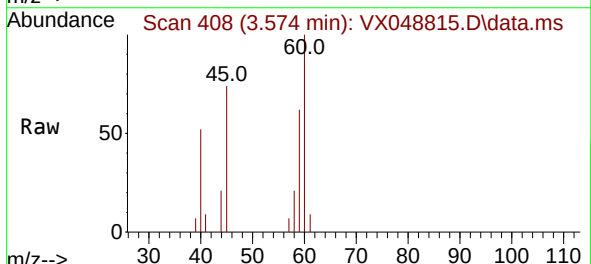
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

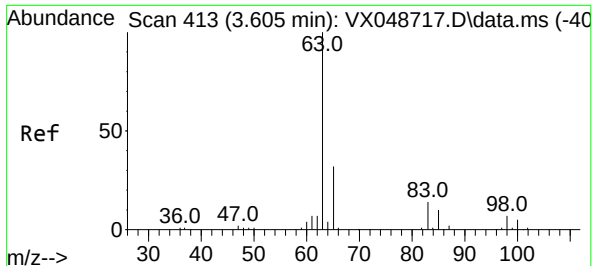
Tgt Ion:	84	Resp:	641
Ion	Ratio	Lower	Upper
84	100		
49	115.1	98.7	148.1
51	26.1	29.4	44.2#
86	58.6	52.5	78.7



#22
Diisopropyl ether
Concen: 0.271 ug/l
RT: 3.574 min Scan# 408
Delta R.T. -0.177 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion:	45	Resp:	1401
Ion	Ratio	Lower	Upper
45	100		
43	0.0	94.9	142.3#
87	0.0	23.2	34.8#
59	82.9	9.3	13.9#

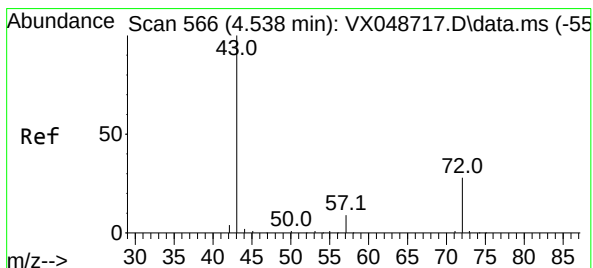
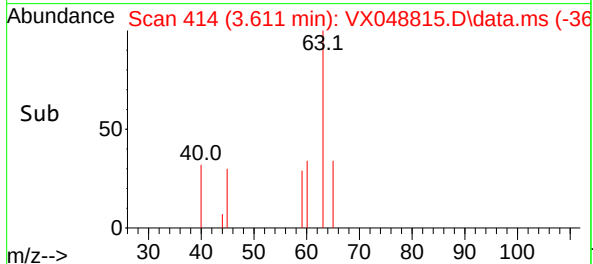
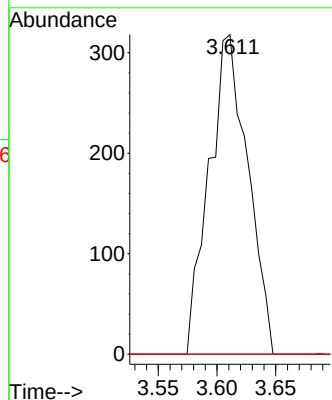
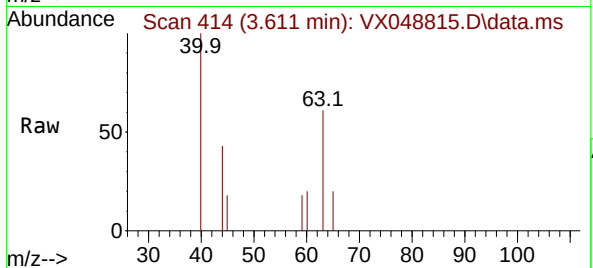




#24
1,1-Dichloroethane
Concen: 0.253 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

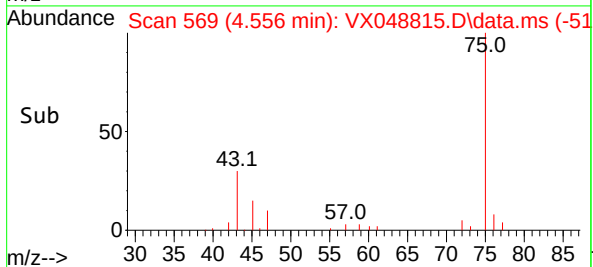
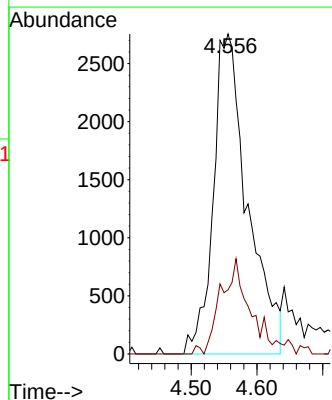
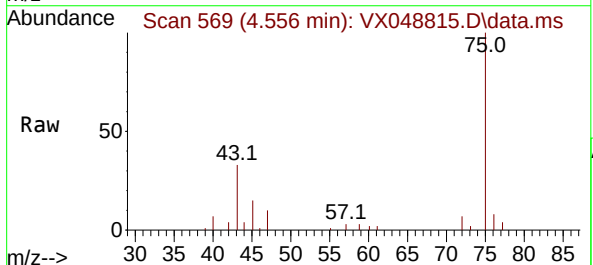
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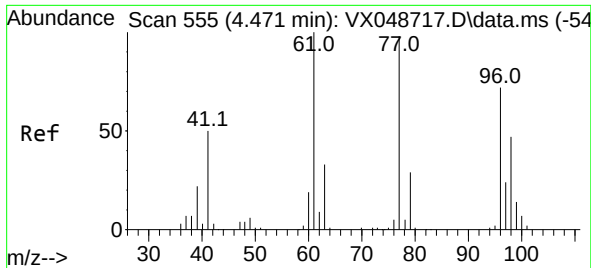
Tgt Ion: 63 Resp: 730
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 9.268 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 43 Resp: 9969
Ion Ratio Lower Upper
43 100
72 20.0 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 0.596 ug/l

RT: 4.538 min Scan# 51

Delta R.T. 0.067 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

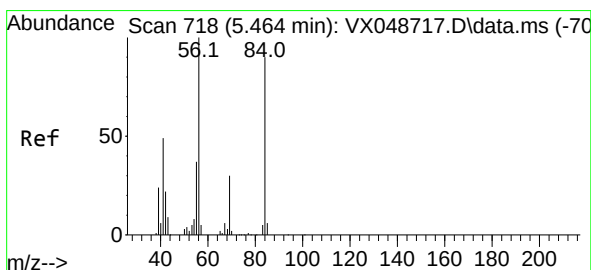
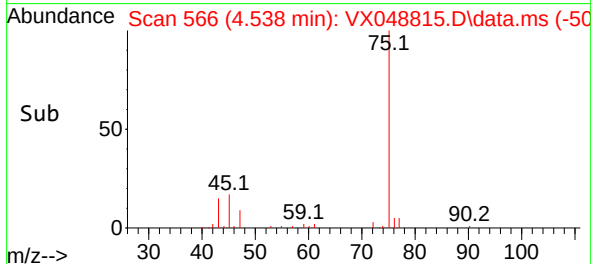
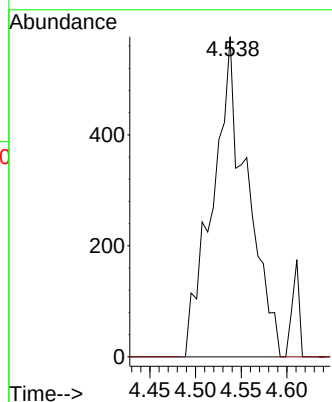
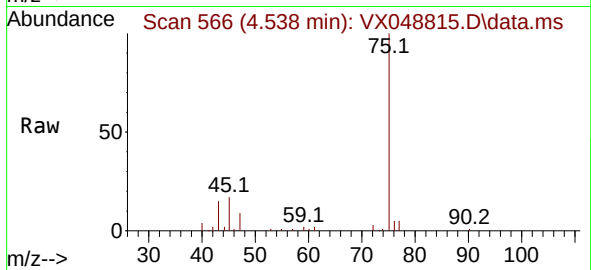
BR-05-465-120525RE

Tgt Ion: 77 Resp: 1520

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.977 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

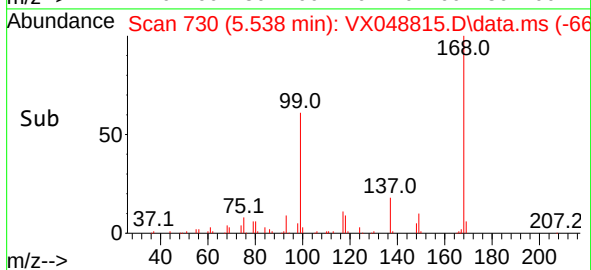
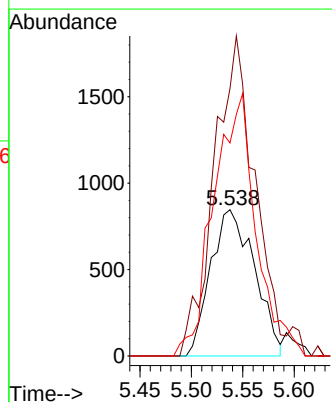
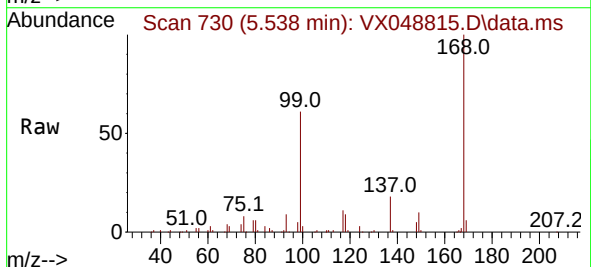
Tgt Ion: 56 Resp: 2513

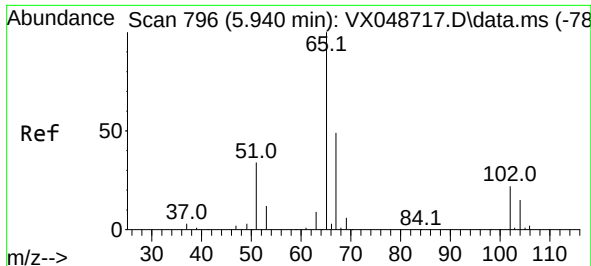
Ion Ratio Lower Upper

56 100

69 182.7 24.2 36.2#

84 137.5 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 57.497 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

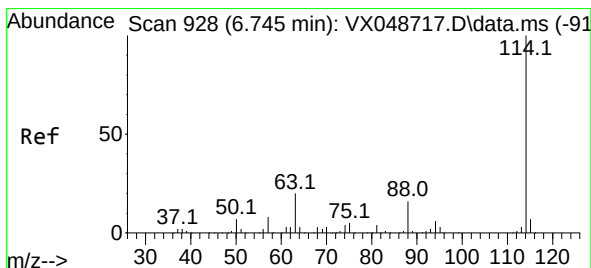
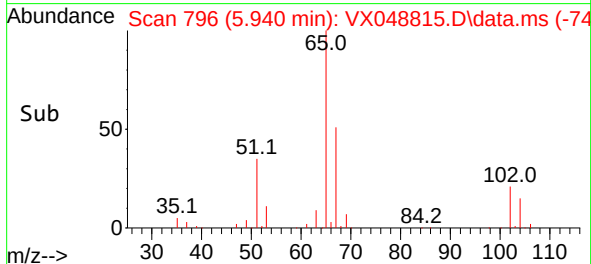
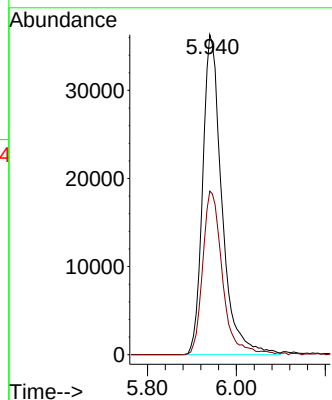
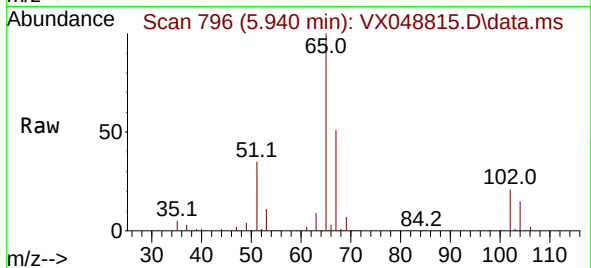
BR-05-465-120525RE

Tgt Ion: 65 Resp: 109464

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

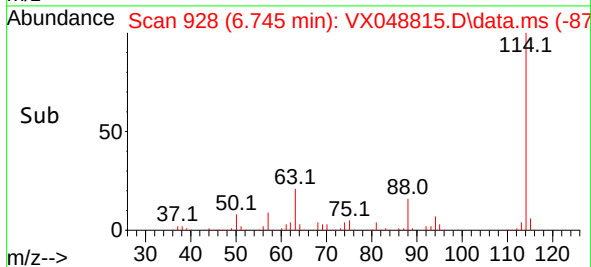
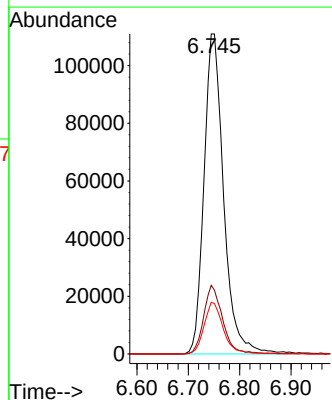
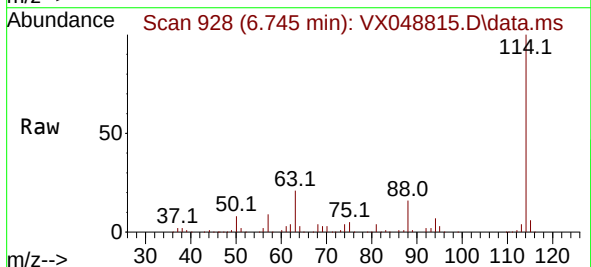
Tgt Ion: 114 Resp: 294856

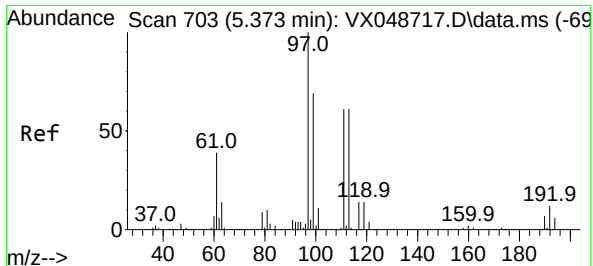
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 35.467 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

BR-05-465-120525RE

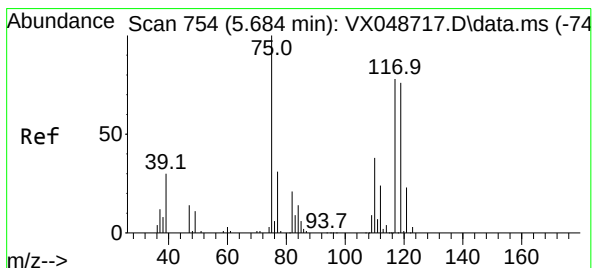
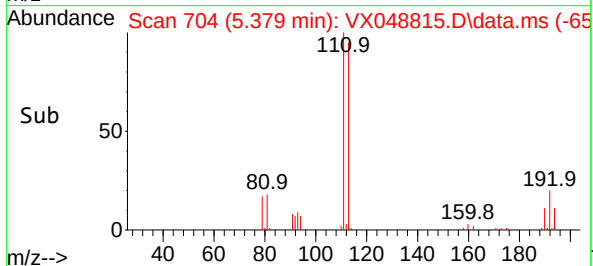
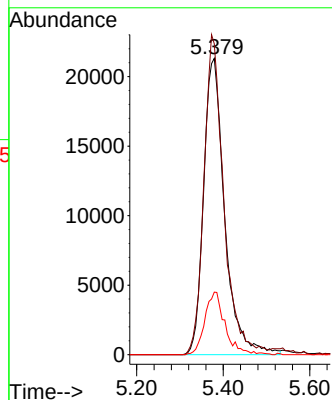
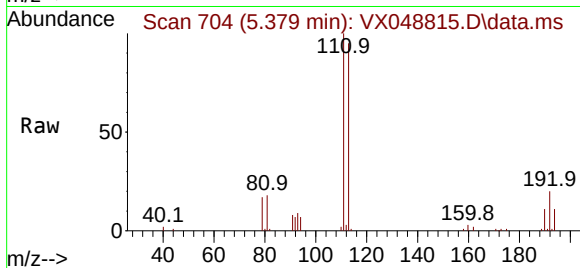
Tgt Ion:113 Resp: 72006

Ion Ratio Lower Upper

113 100

111 100.6 79.5 119.3

192 20.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.024 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

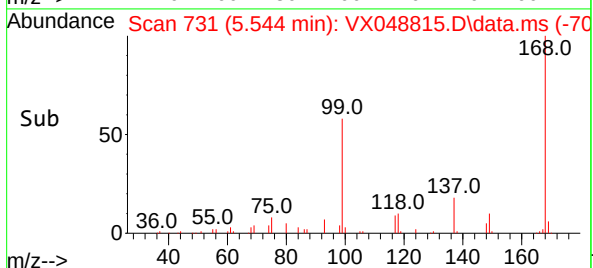
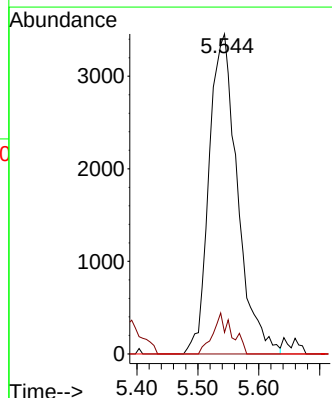
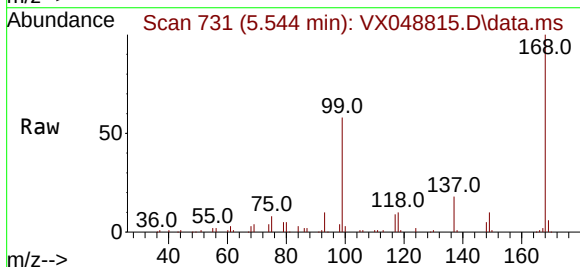
Tgt Ion: 75 Resp: 11189

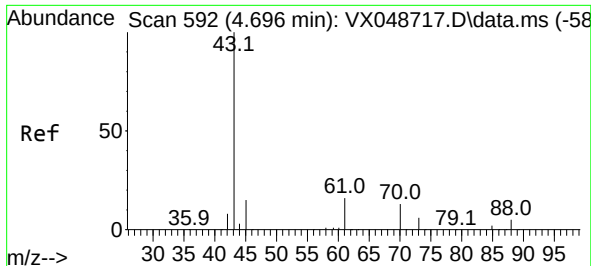
Ion Ratio Lower Upper

75 100

110 8.5 18.6 55.8#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.000 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.140 min

Lab File: VX048815.D

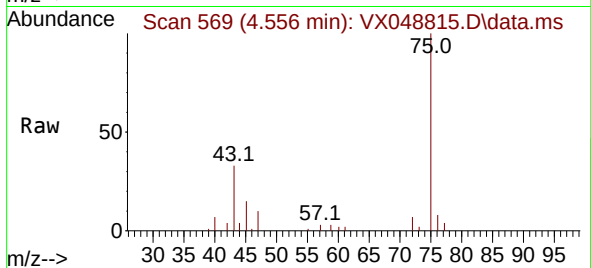
Acq: 10 Dec 2025 16:34

Instrument :

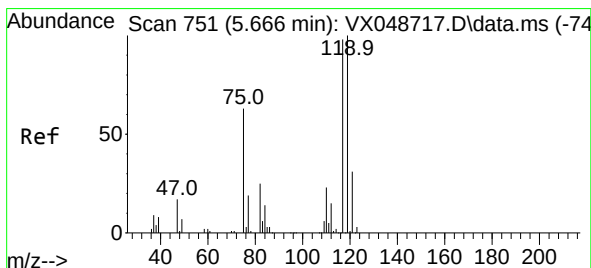
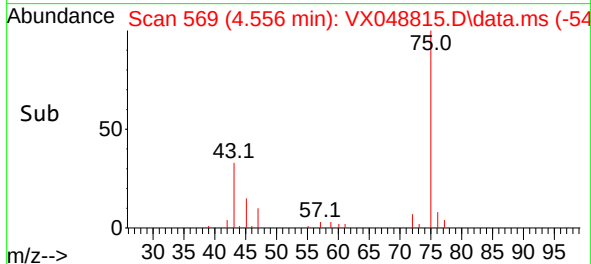
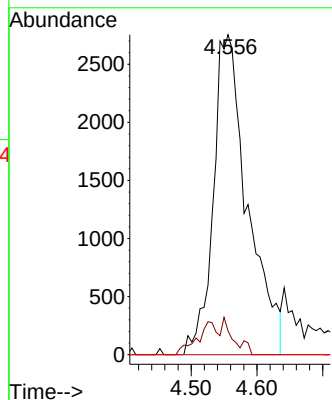
MSVOA_X

ClientSampleId :

BR-05-465-120525RE



Tgt Ion: 43	Resp: 9969
Ion Ratio	Lower Upper
43 100	
61 2.1	9.7 14.5#
70 0.0	8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.483 ug/l

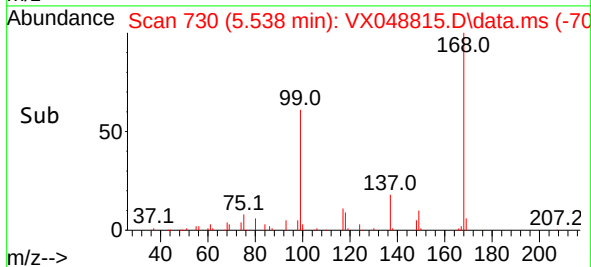
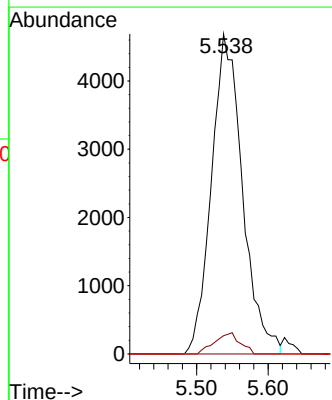
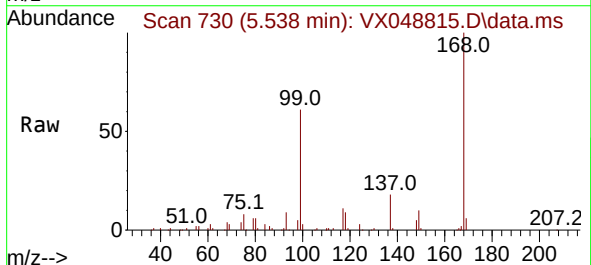
RT: 5.538 min Scan# 730

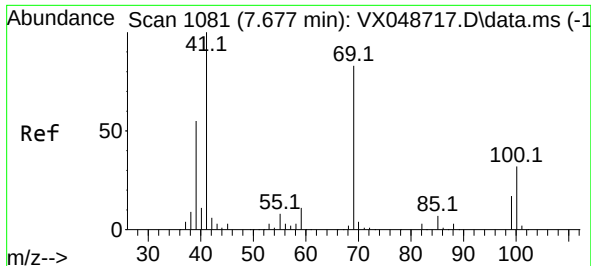
Delta R.T. -0.128 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Tgt Ion: 117	Resp: 14121
Ion Ratio	Lower Upper
117 100	
119 5.7	80.5 120.7#
121 0.0	25.4 38.0#

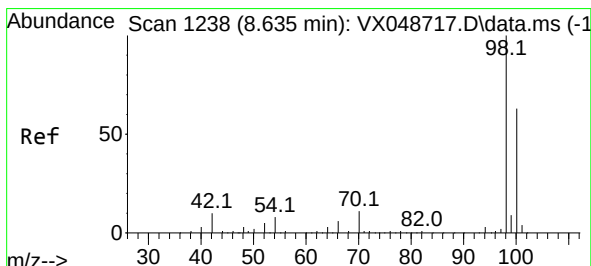
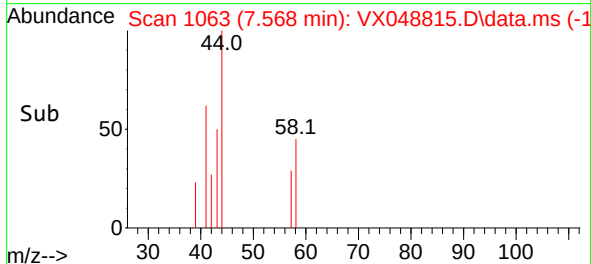
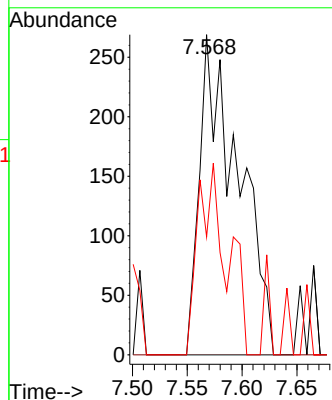
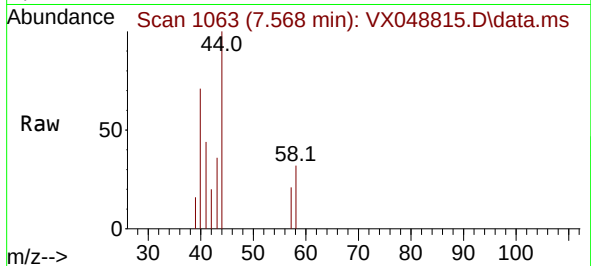




#48
Methyl methacrylate
Concen: 0.260 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.110 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

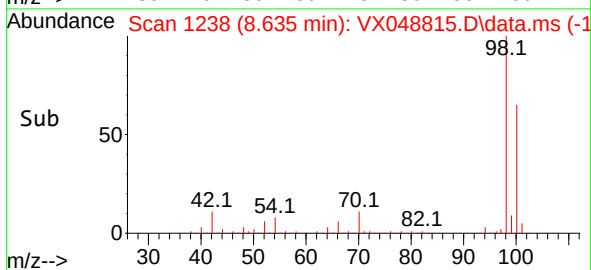
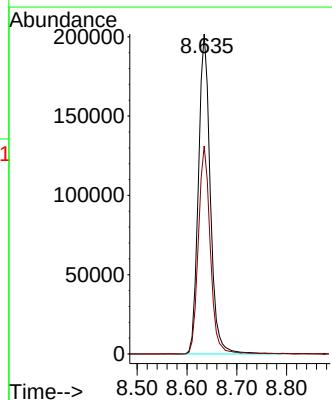
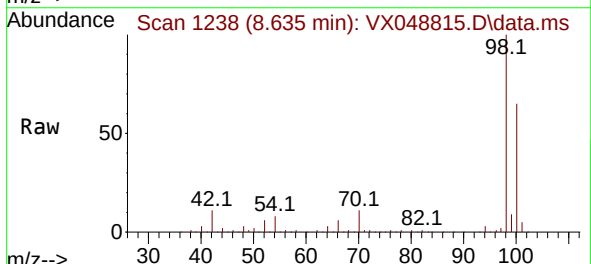
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

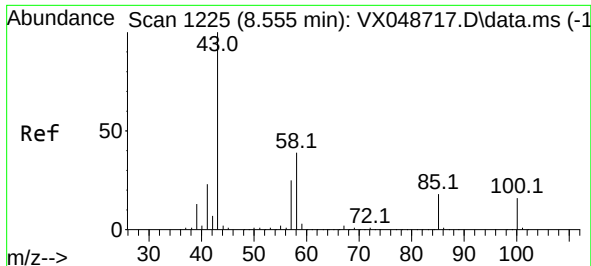
Tgt Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
69 0.0 68.5 102.7#
39 34.0 43.5 65.3#



#50
Toluene-d8
Concen: 46.869 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 98 Resp: 333543
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0

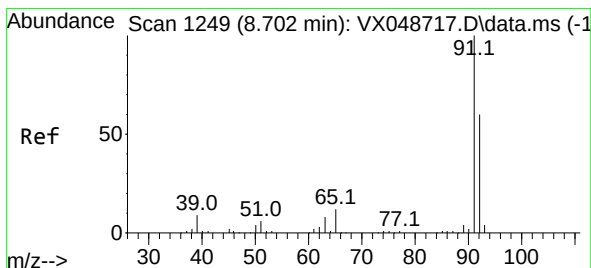
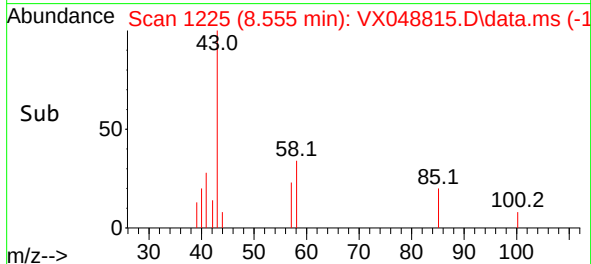
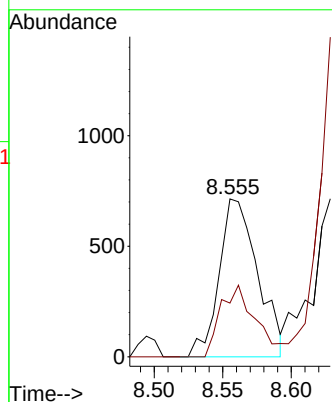
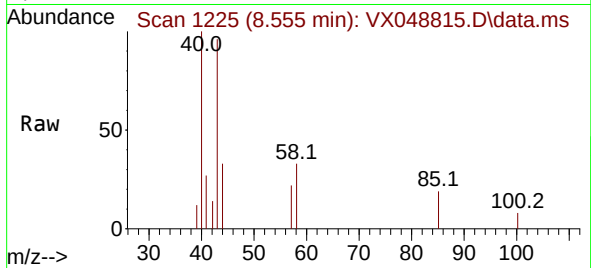




#51
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

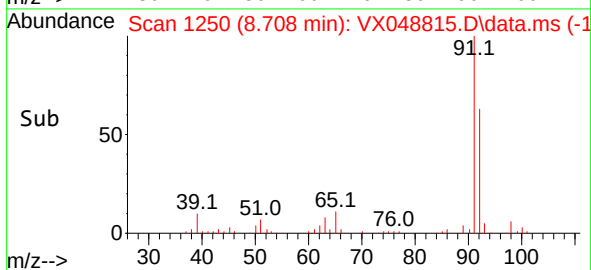
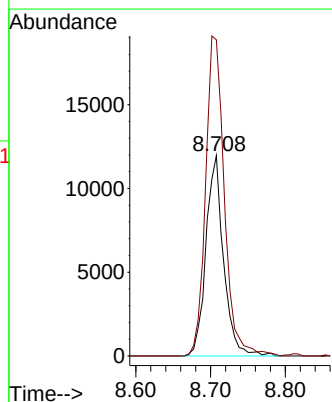
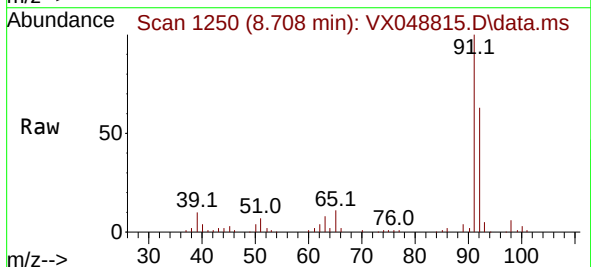
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

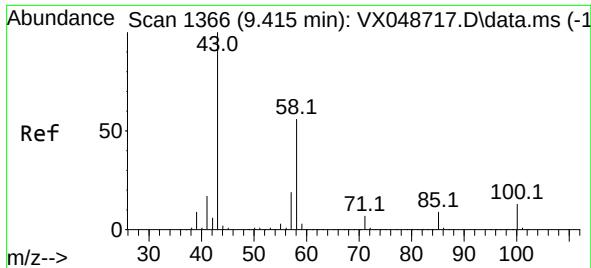
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
58 42.4 32.2 48.4



#52
Toluene
Concen: 3.947 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 92 Resp: 19617
Ion Ratio Lower Upper
92 100
91 169.8 136.3 204.5





#59

2-Hexanone

Concen: 0.864 ug/l

RT: 9.421 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

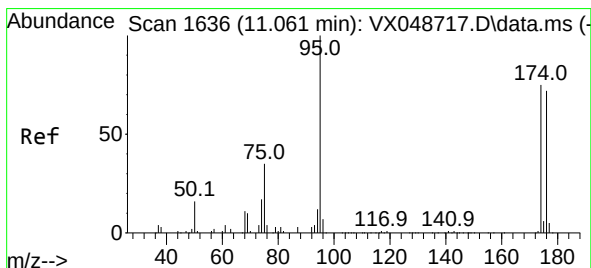
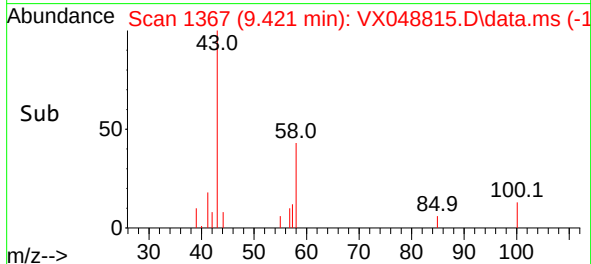
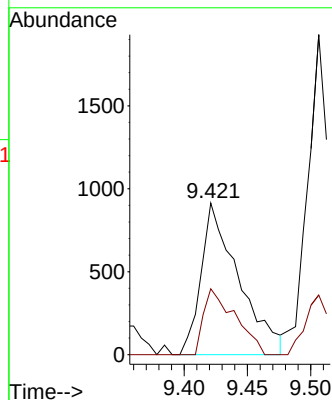
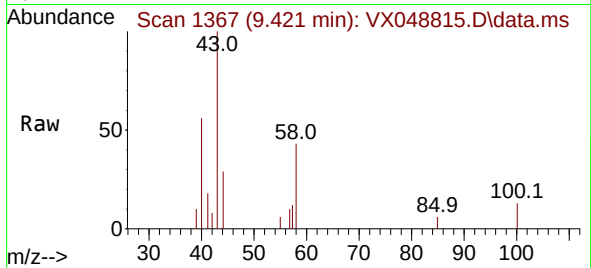
BR-05-465-120525RE

Tgt Ion: 43 Resp: 1894

Ion Ratio Lower Upper

43 100

58 36.3 27.8 83.4



#62

4-Bromofluorobenzene

Concen: 61.490 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

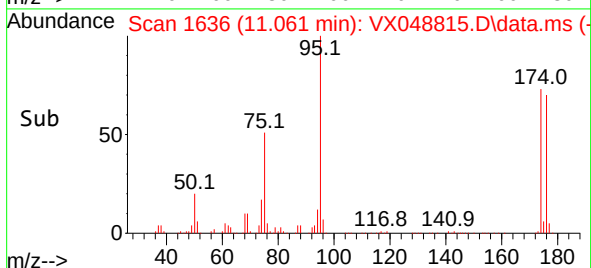
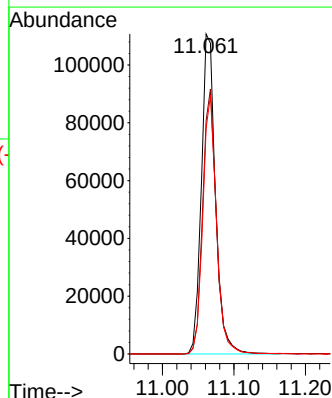
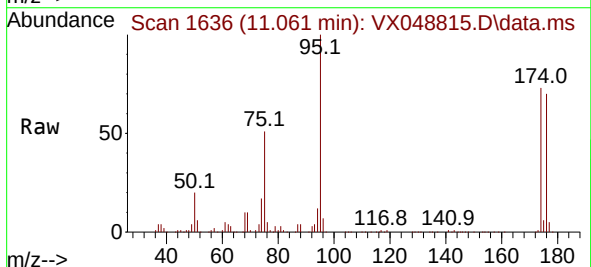
Tgt Ion: 95 Resp: 150896

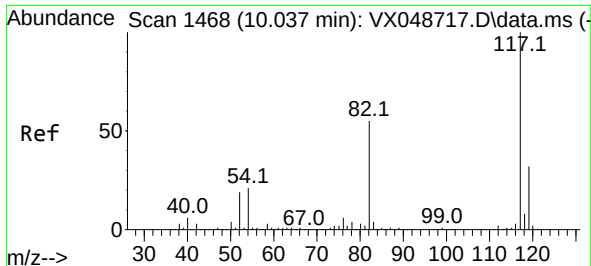
Ion Ratio Lower Upper

95 100

174 81.6 0.0 157.8

176 78.5 0.0 154.0

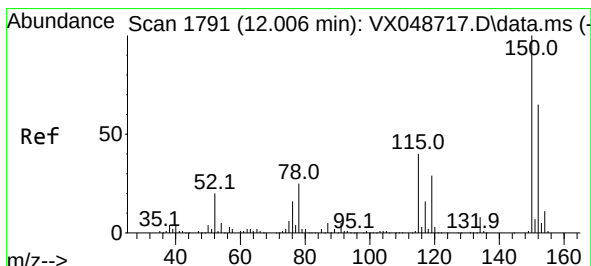
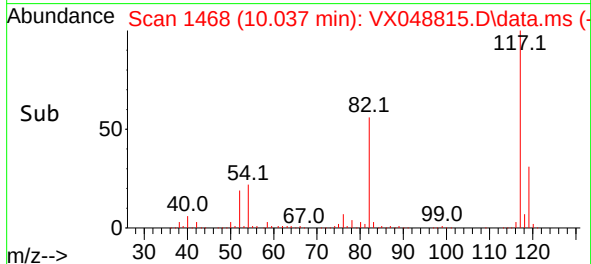
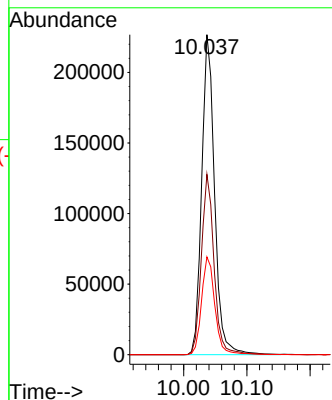
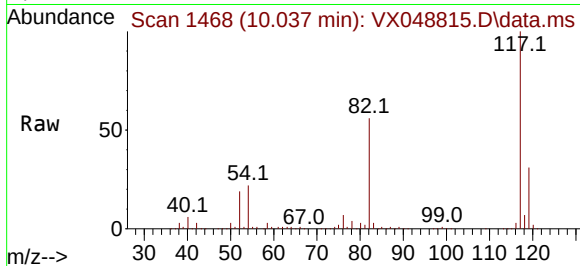




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

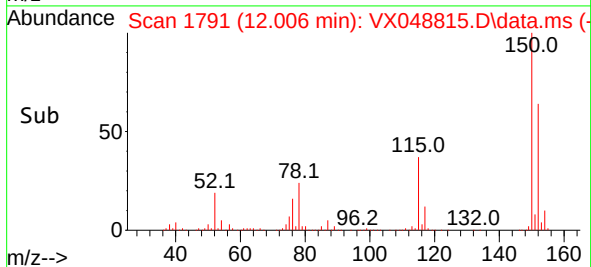
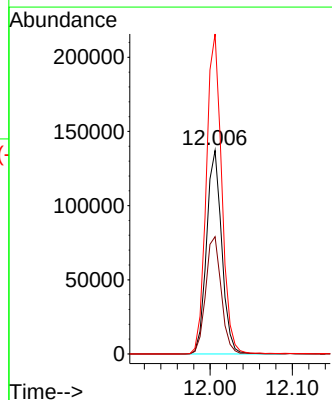
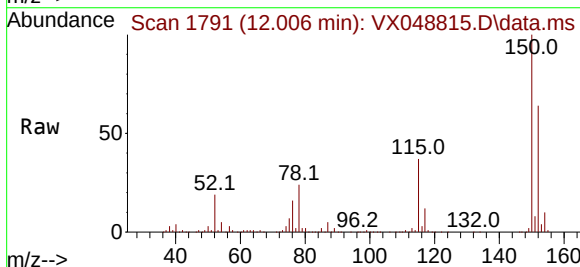
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

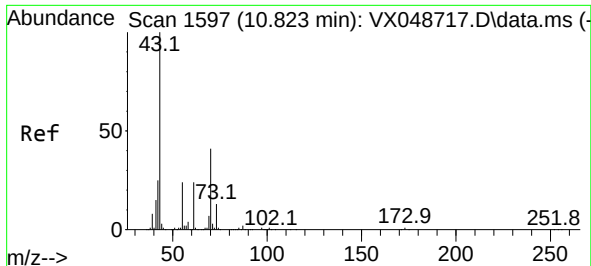
Tgt Ion:117 Resp: 321925
Ion Ratio Lower Upper
117 100
82 56.3 44.1 66.1
119 30.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion:152 Resp: 176216
Ion Ratio Lower Upper
152 100
115 59.1 42.1 126.4
150 159.6 0.0 347.8

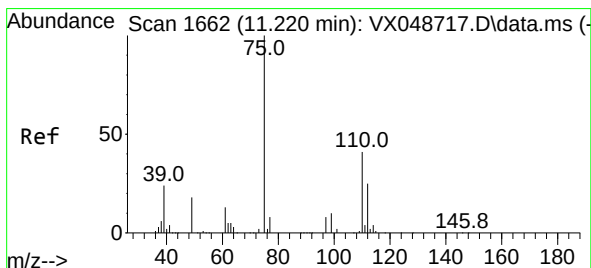
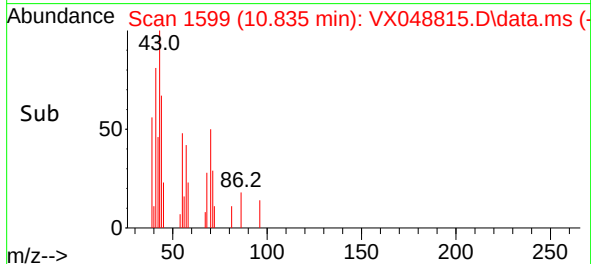
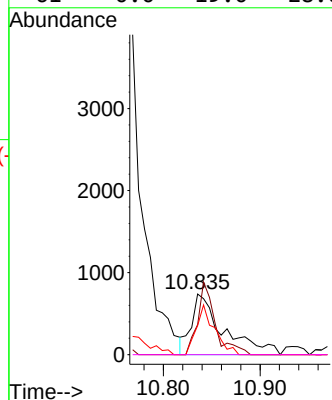
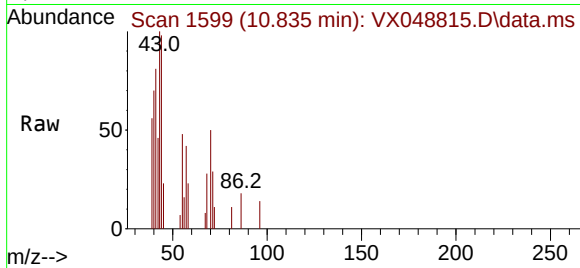




#74
N-ethyl acetate
Concen: 0.329 ug/l
RT: 10.835 min Scan# 1635
Delta R.T. 0.012 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

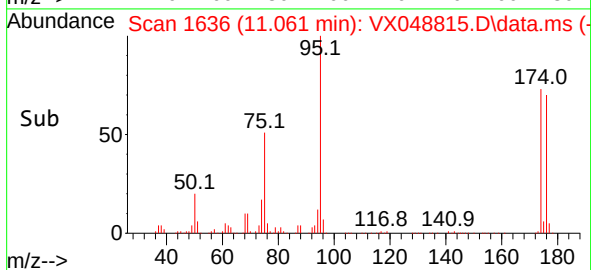
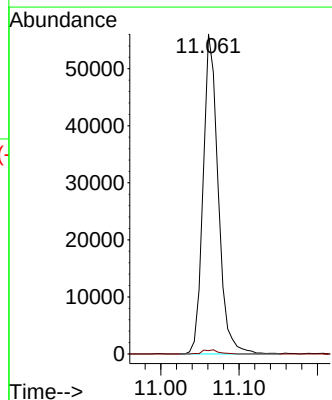
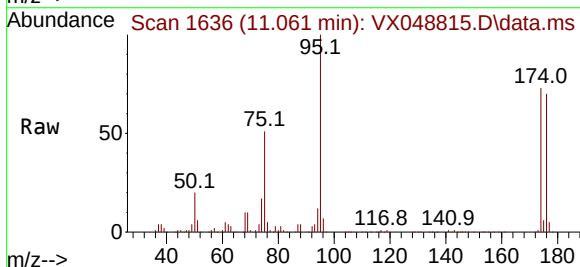
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

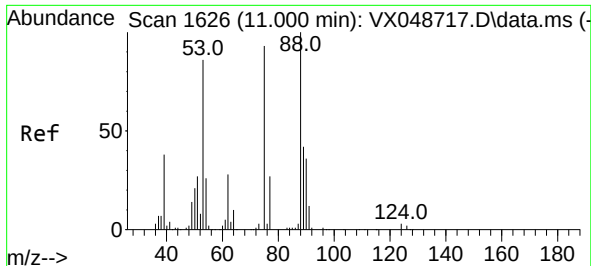
Tgt Ion: 43	Resp:	1697
Ion	Ratio	Lower Upper
43	100	
70	65.6	33.9 50.9#
55	46.7	19.1 28.7#
61	0.0	19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 22.796 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 75	Resp:	74817
Ion	Ratio	Lower Upper
75	100	
77	1.4	24.3 73.0#

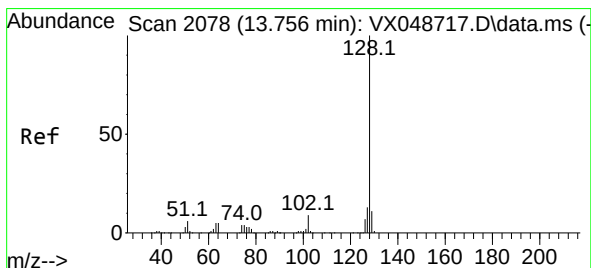
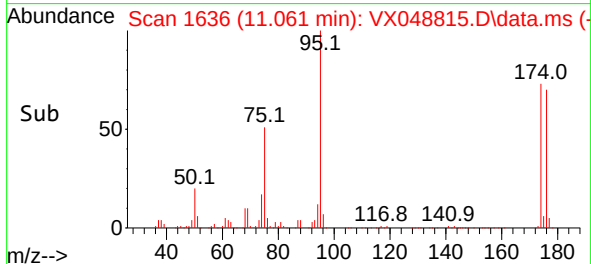
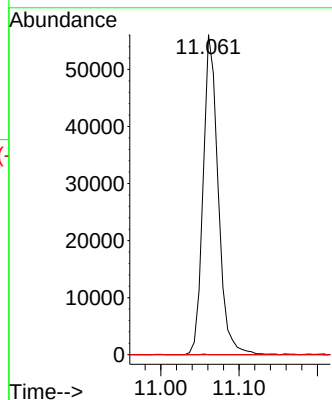
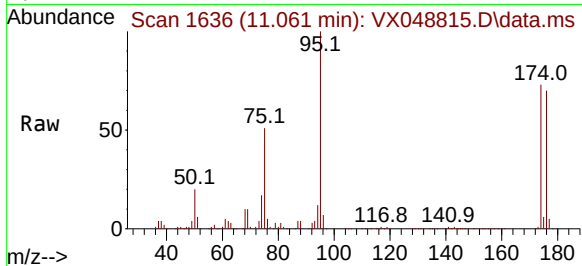




#81
trans-1,4-Dichloro-2-butene
Concen: 54.149 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

Tgt Ion: 75 Resp: 74817
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2080
Delta R.T. 0.012 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion: 128 Resp: 451
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

