

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048265.D
 Acq On : 21 Oct 2025 13:40
 Operator : JC/MD
 Sample : Q3374-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-WC

Quant Time: Oct 24 04:26:57 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	96552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	189633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	201755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	100673	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	69565	51.388	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.780%
35) Dibromofluoromethane	5.379	113	60537	46.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.520%
50) Toluene-d8	8.634	98	213644	47.081	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.061	95	89213	51.679	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.360%

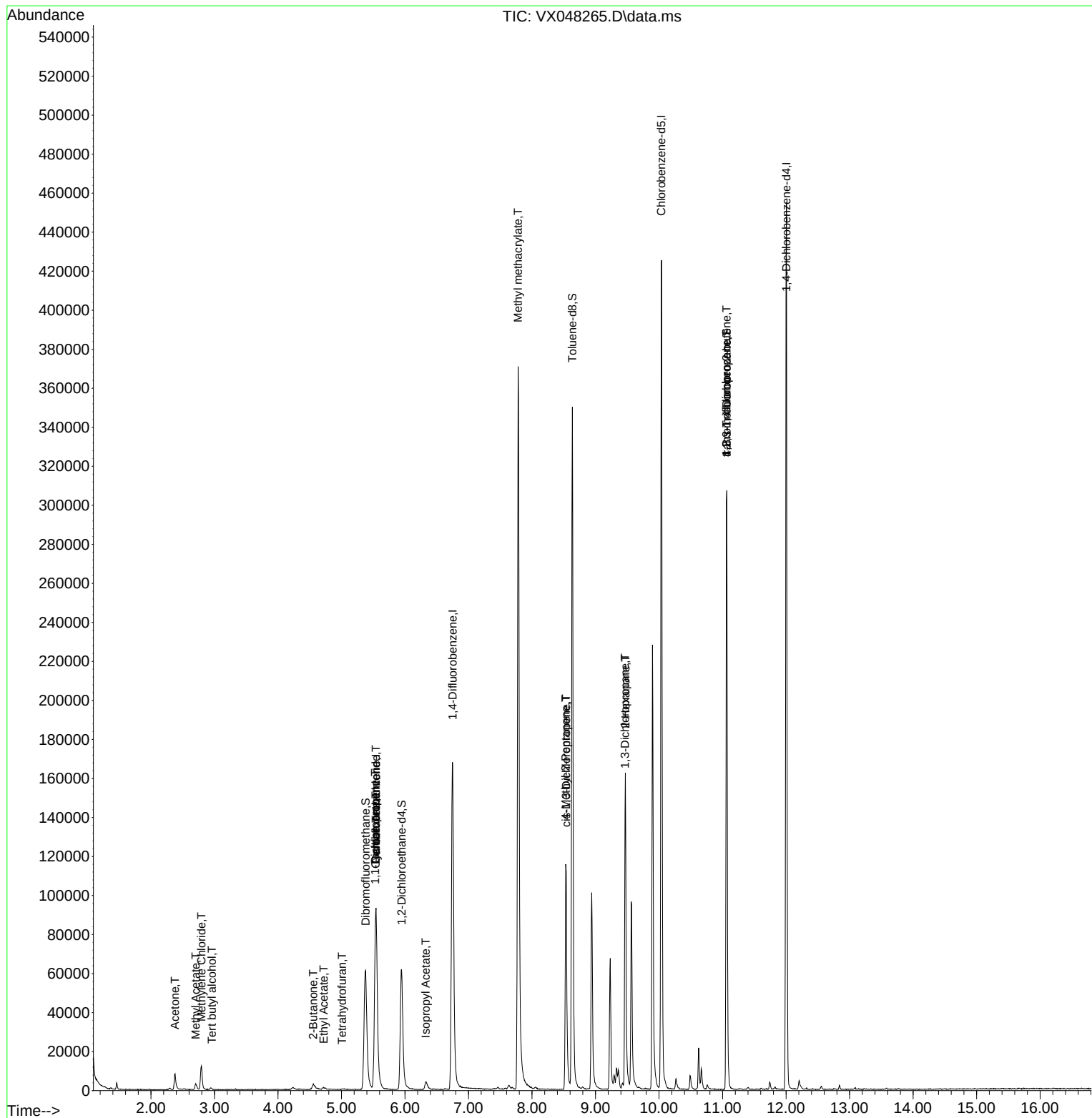
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	699	5.201	ug/l #	72
16) Acetone	2.380	43	10129	21.811	ug/l	99
18) Methyl Acetate	2.703	43	4452	4.590	ug/l	97
20) Methylene Chloride	2.794	84	6302	5.569	ug/l	88
25) 2-Butanone	4.556	43	5026	8.550	ug/l #	89
29) Tetrahydrofuran	5.007	42	333	0.946	ug/l #	47
31) Cyclohexane	5.537	56	1948	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	7623	4.143	ug/l #	50
37) Ethyl Acetate	4.721	43	1410	0.924	ug/l #	93
38) Carbon Tetrachloride	5.544	117	10317	4.545	ug/l #	17
43) Isopropyl Acetate	6.324	43	6313	2.520	ug/l #	90
48) Methyl methacrylate	7.781	41	36050	28.516	ug/l #	46
51) 4-Methyl-2-Pentanone	8.531	43	43758	30.294	ug/l #	52
54) cis-1,3-Dichloropropene	8.537	75	21409	9.637	ug/l #	56
57) 1,3-Dichloropropane	9.464	76	1575	0.731	ug/l #	43
59) 2-Hexanone	9.470	43	20704	20.556	ug/l #	54
76) 1,2,3-Trichloropropane	11.061	75	45533	27.890	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	45533	67.855	ug/l #	10

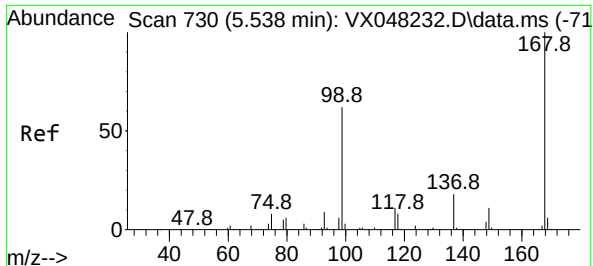
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 24 04:26:57 2025
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

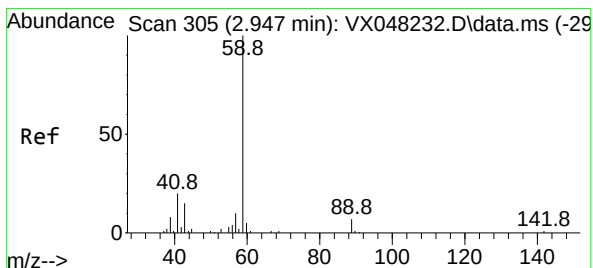
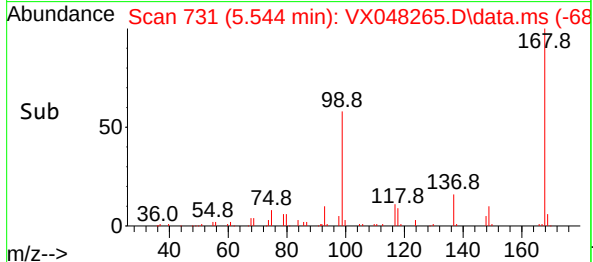
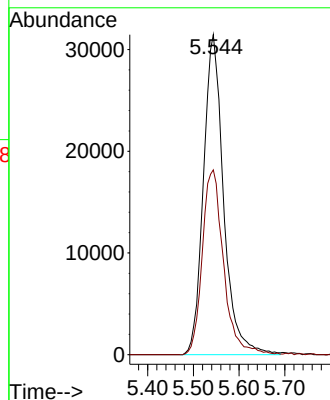
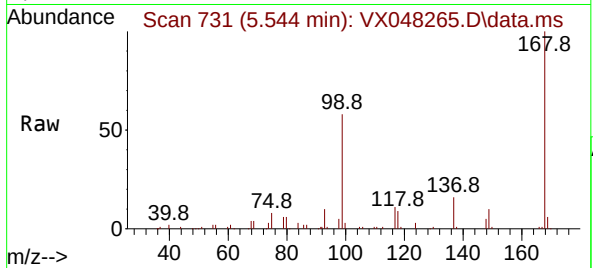




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

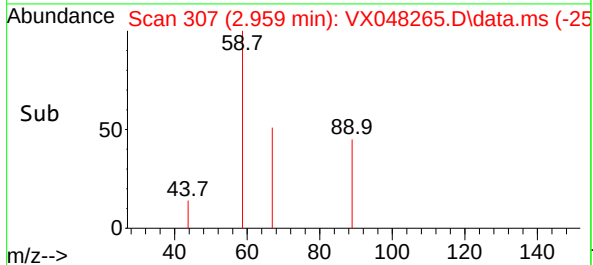
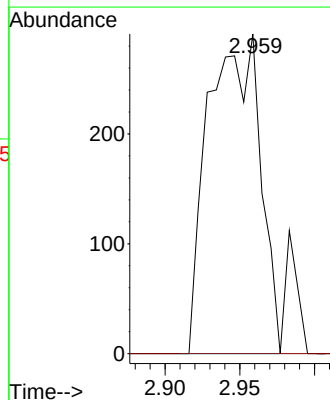
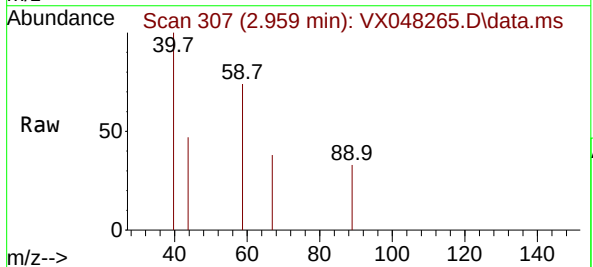
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

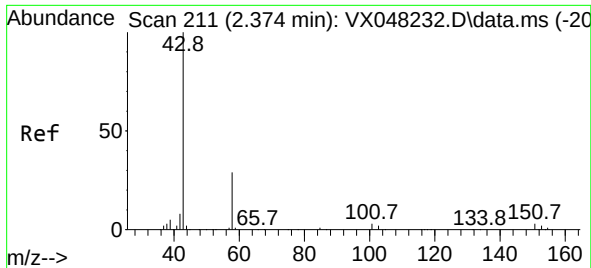
Tgt Ion:168 Resp: 96552
Ion Ratio Lower Upper
168 100
99 57.8 46.4 69.6



#11
Tert butyl alcohol
Concen: 5.201 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.018 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

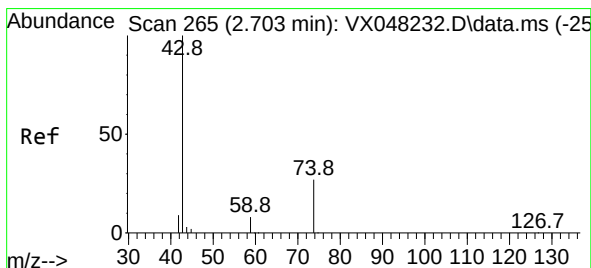
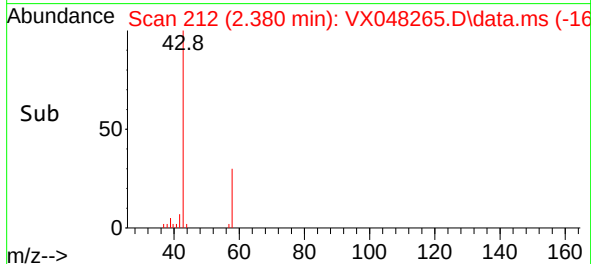
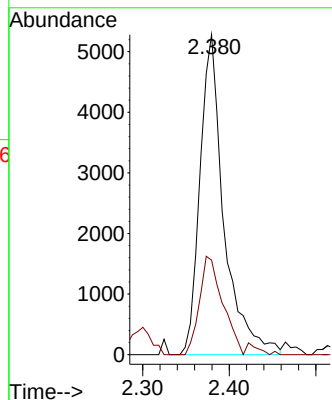
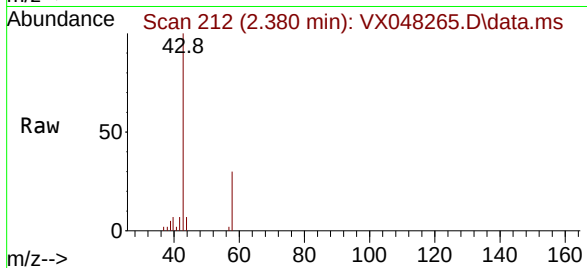




#16
Acetone
Concen: 21.811 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

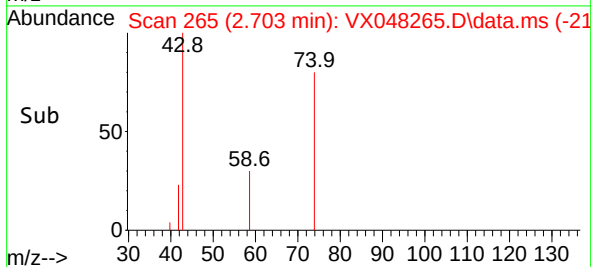
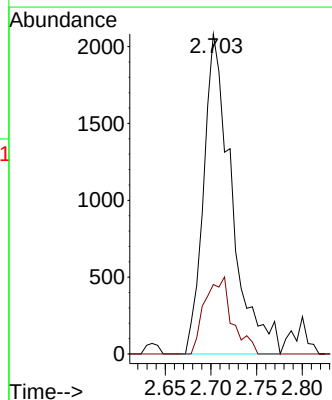
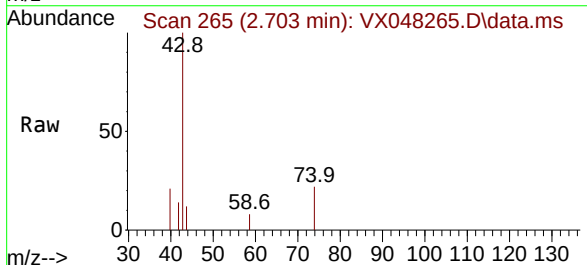
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

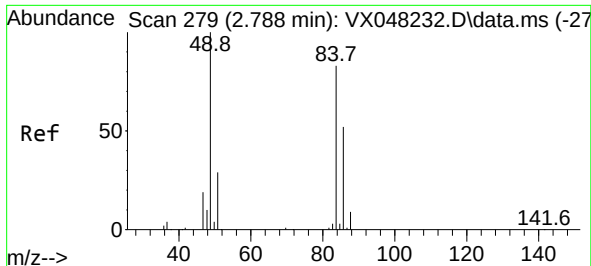
Tgt Ion: 43 Resp: 10129
Ion Ratio Lower Upper
43 100
58 30.0 23.4 35.2



#18
Methyl Acetate
Concen: 4.590 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 43 Resp: 4452
Ion Ratio Lower Upper
43 100
74 23.5 17.5 26.3

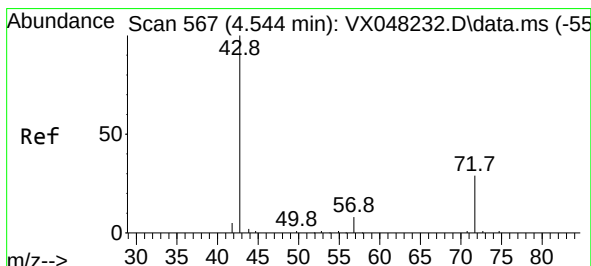
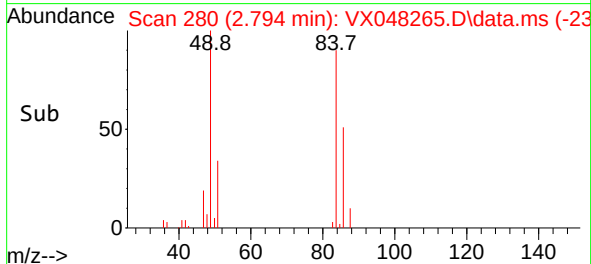
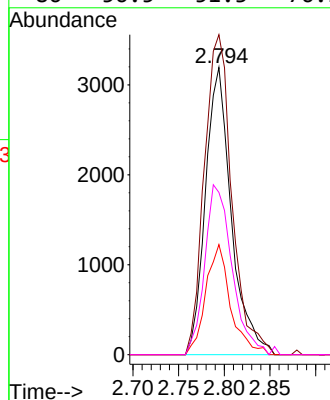
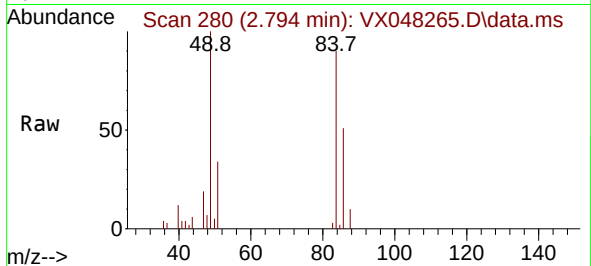




#20
Methylene Chloride
Concen: 5.569 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

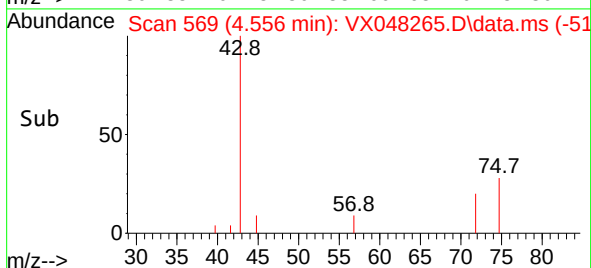
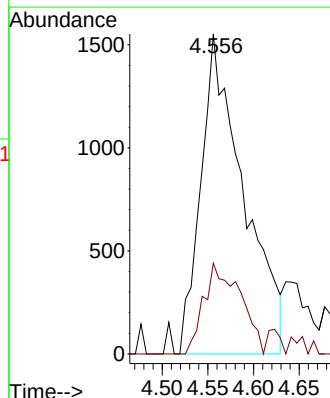
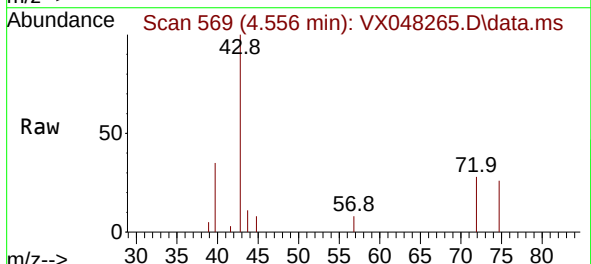
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

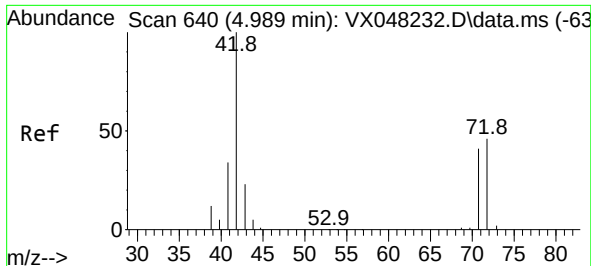
Tgt Ion:	84	Resp:	6302
Ion	Ratio	Lower	Upper
84	100		
49	111.4	104.1	156.1
51	38.3	31.3	46.9
86	56.5	51.3	76.9



#25
2-Butanone
Concen: 8.550 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion:	43	Resp:	5026
Ion	Ratio	Lower	Upper
43	100		
72	30.2	19.9	29.9





#29

Tetrahydrofuran

Concen: 0.946 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX048265.D

Acq: 21 Oct 2025 13:40

Instrument :

MSVOA_X

ClientSampleId :

TP-4-WC

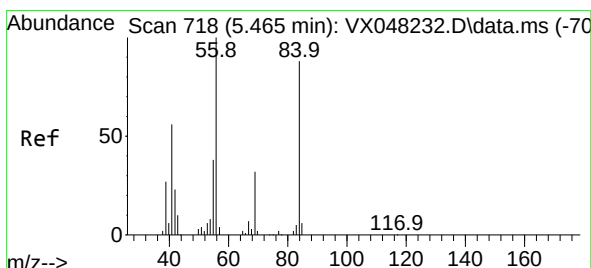
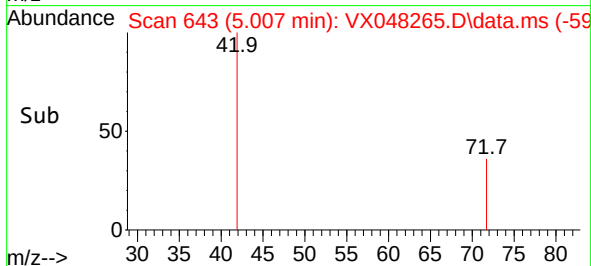
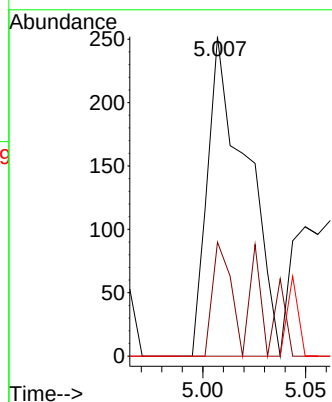
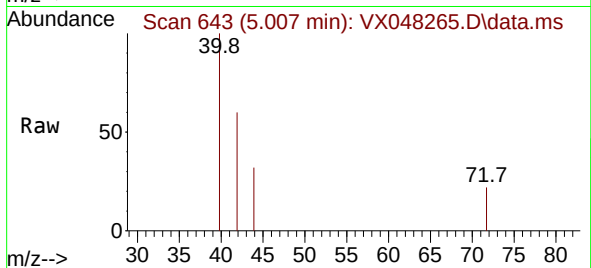
Tgt Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 16.8 35.3 52.9#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048265.D

Acq: 21 Oct 2025 13:40

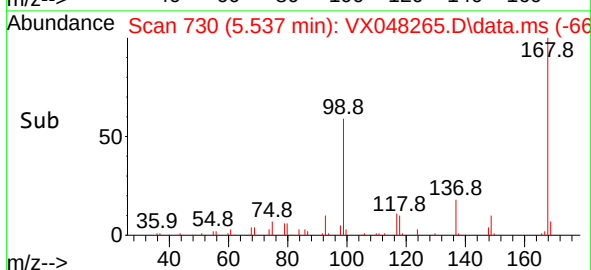
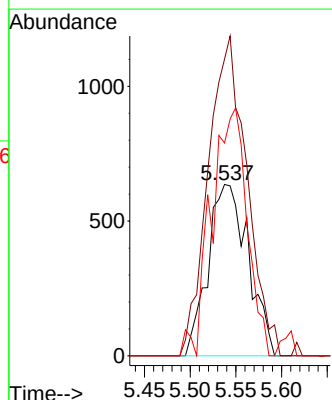
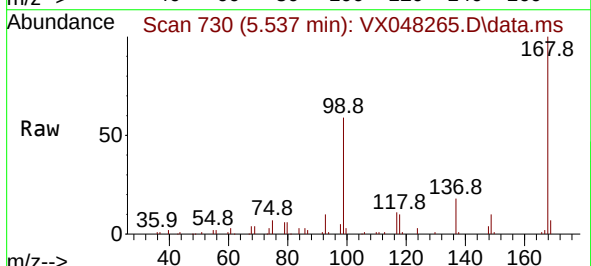
Tgt Ion: 56 Resp: 1948

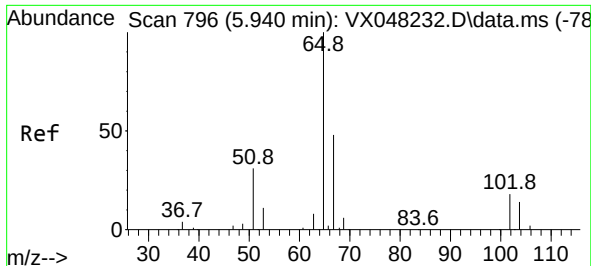
Ion Ratio Lower Upper

56 100

69 173.1 23.0 34.6#

84 124.2 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.388 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048265.D

Acq: 21 Oct 2025 13:40

Instrument :

MSVOA_X

ClientSampleId :

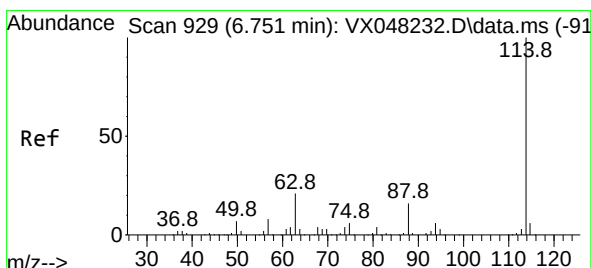
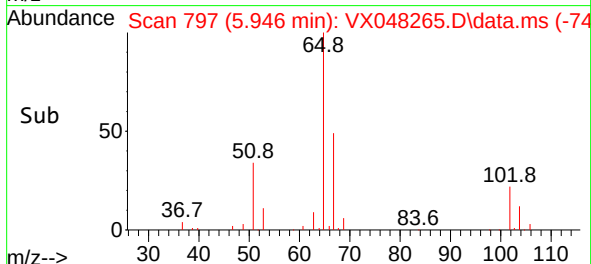
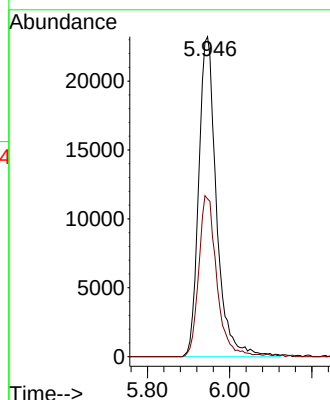
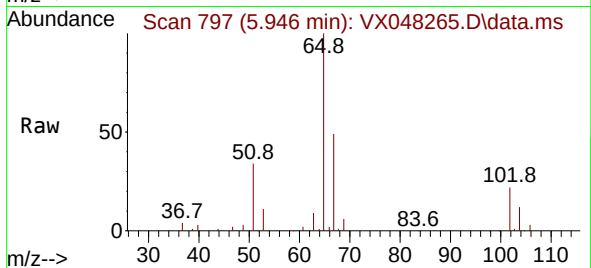
TP-4-WC

Tgt Ion: 65 Resp: 69565

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048265.D

Acq: 21 Oct 2025 13:40

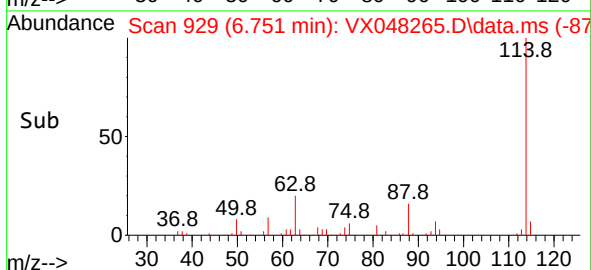
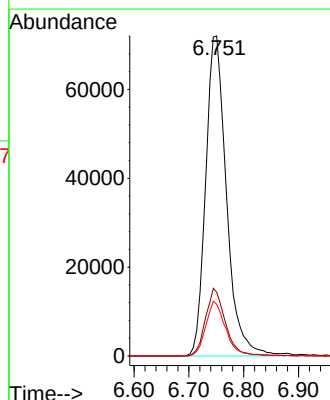
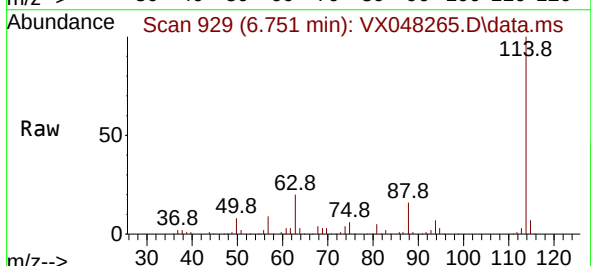
Tgt Ion: 114 Resp: 189633

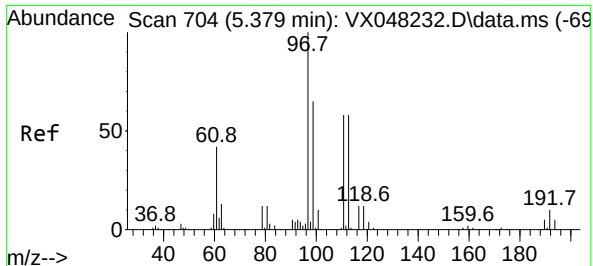
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 16.1 0.0 33.6

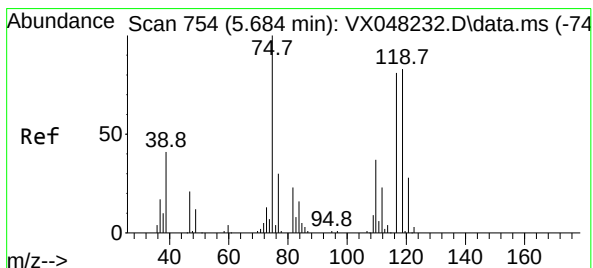
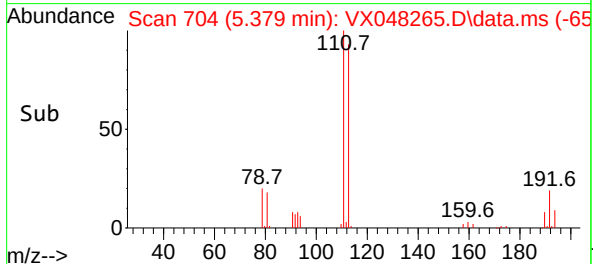
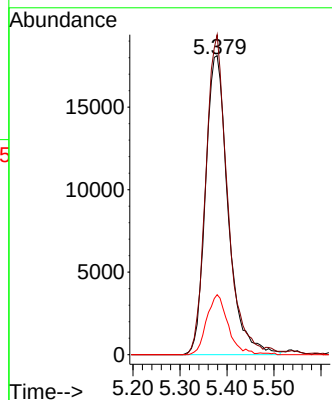
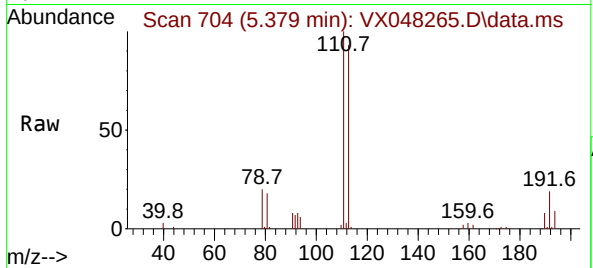




#35
Dibromofluoromethane
Concen: 46.761 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

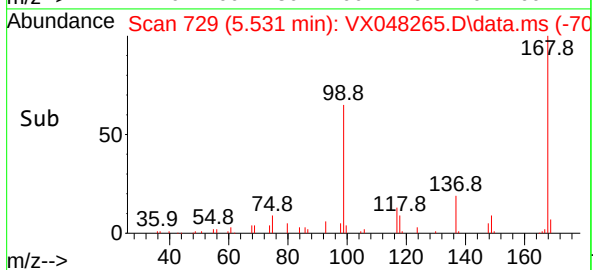
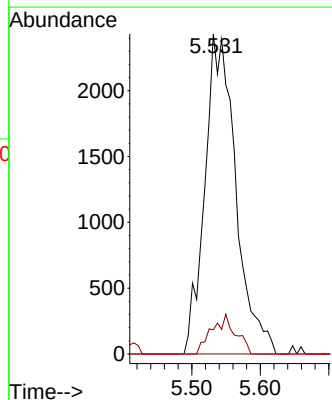
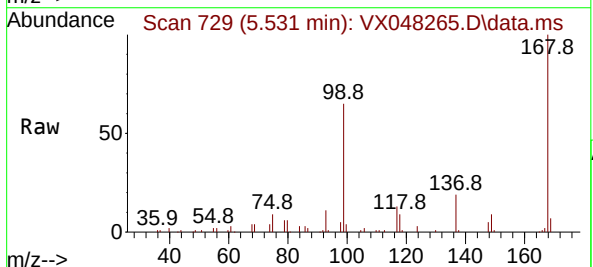
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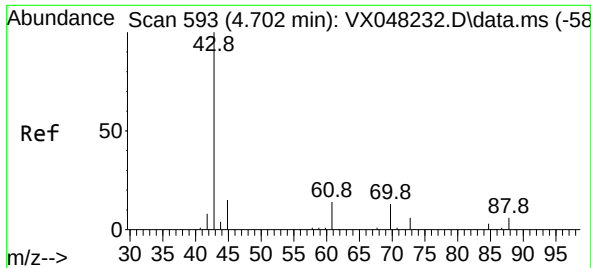
Tgt Ion:113 Resp: 60537
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.143 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.153 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 75 Resp: 7623
Ion Ratio Lower Upper
75 100
110 9.4 17.7 53.1#
77 0.0 24.3 36.5#

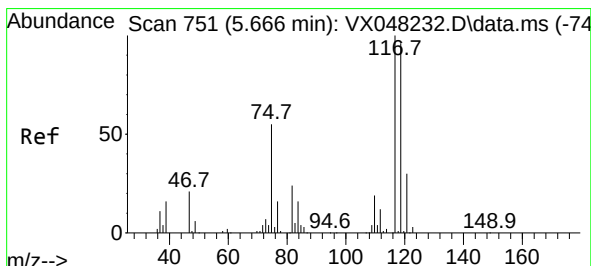
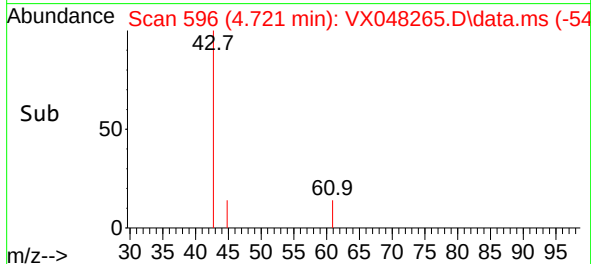
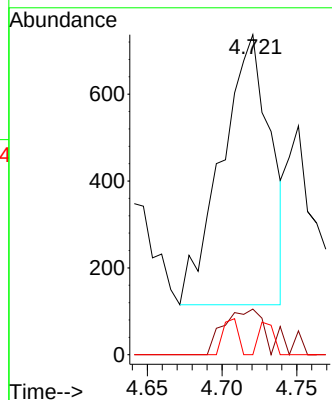
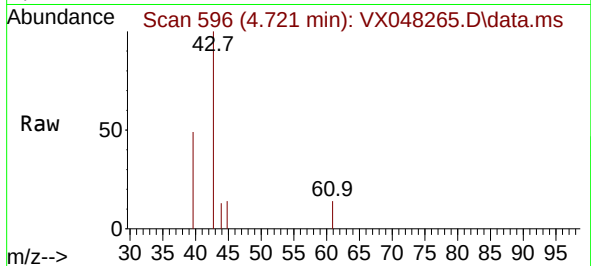




#37
Ethyl Acetate
Concen: 0.924 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.024 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

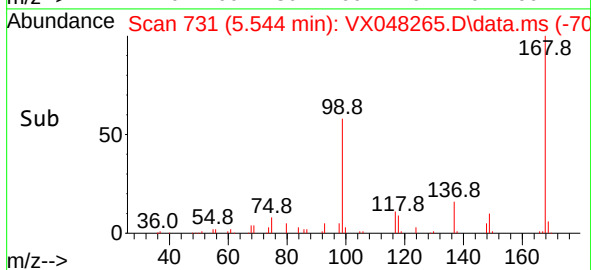
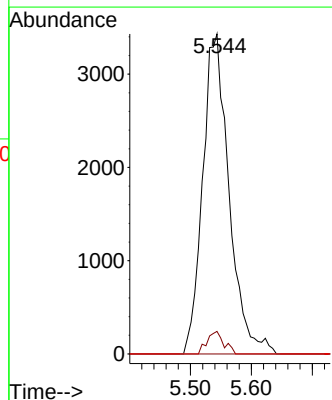
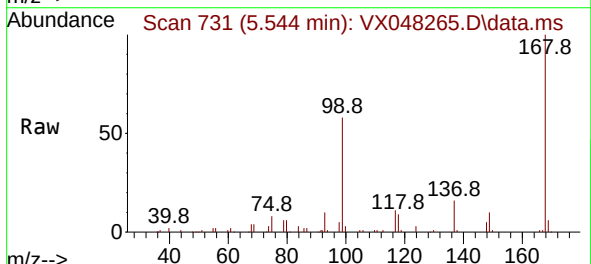
Instrument :
MSVOA_X
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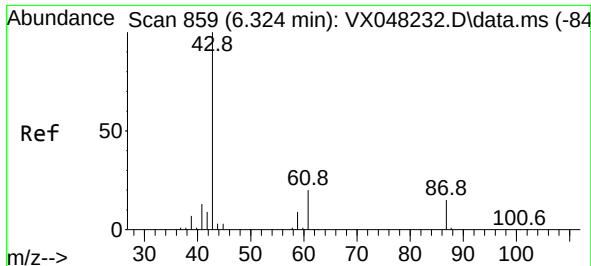
Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
61 13.2 10.6 15.8
70 3.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 4.545 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 117 Resp: 10317
Ion Ratio Lower Upper
117 100
119 7.1 77.2 115.8#
121 0.0 24.8 37.2#

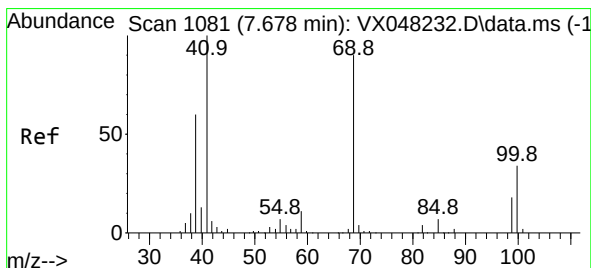
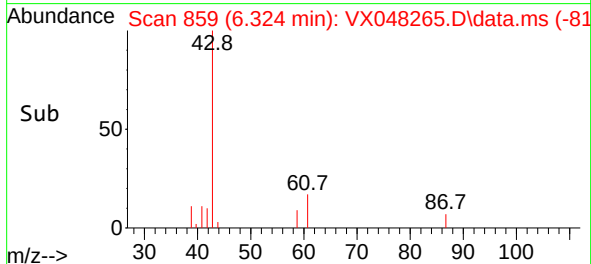
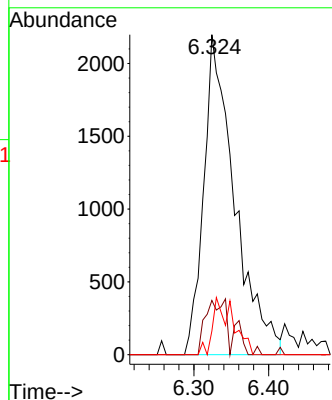
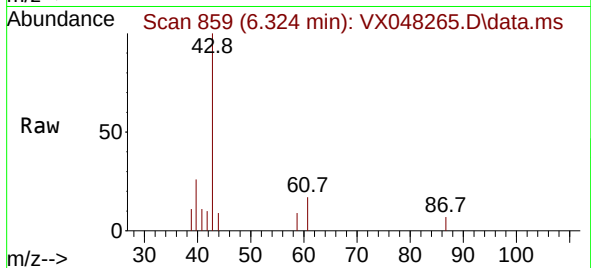




#43
Isopropyl Acetate
Concen: 2.520 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

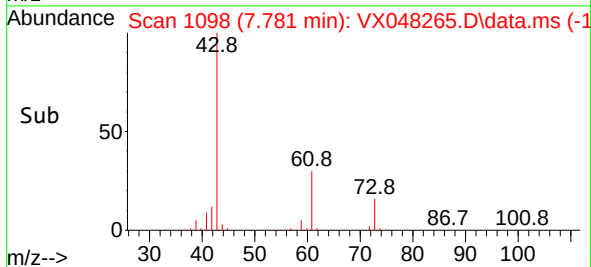
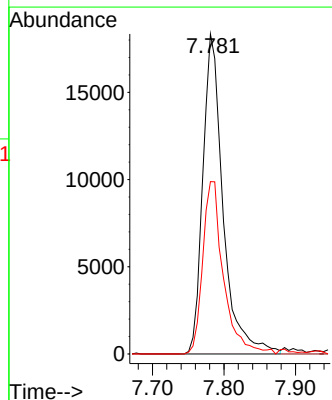
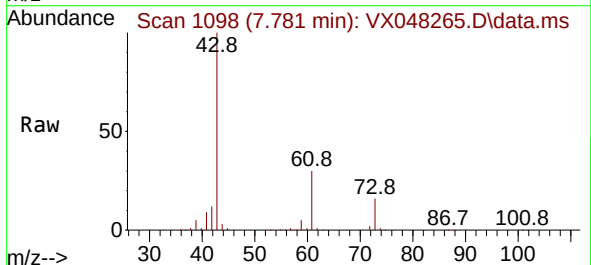
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

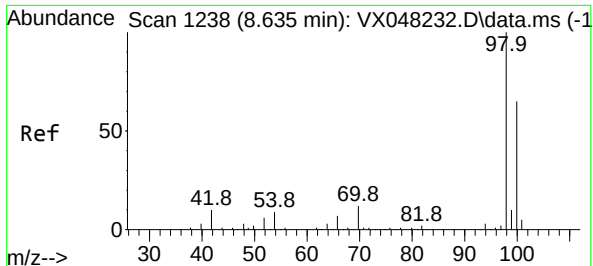
Tgt Ion: 43 Resp: 6313
Ion Ratio Lower Upper
43 100
61 11.0 14.9 22.3#
87 11.8 9.4 14.2



#48
Methyl methacrylate
Concen: 28.516 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 41 Resp: 36050
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 55.3 47.1 70.7

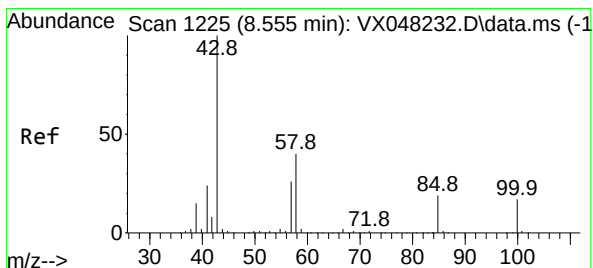
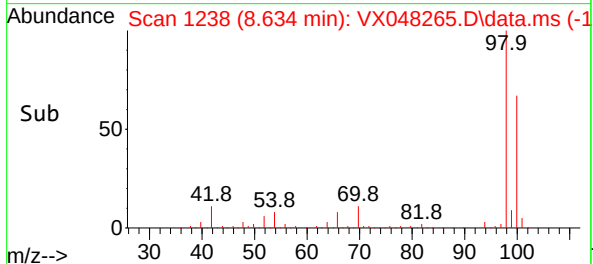
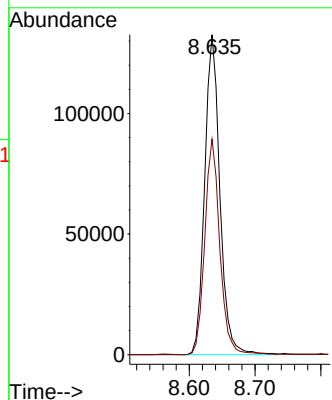
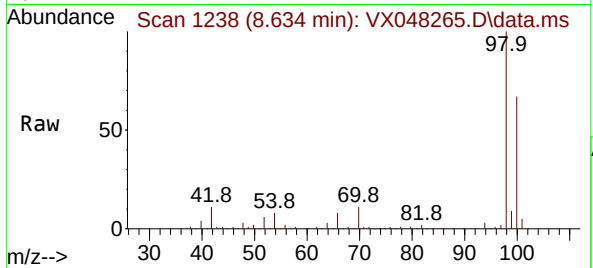




#50
Toluene-d8
Concen: 47.081 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

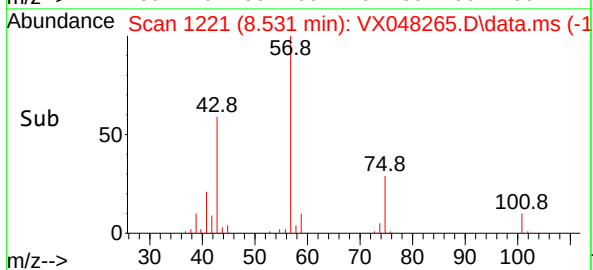
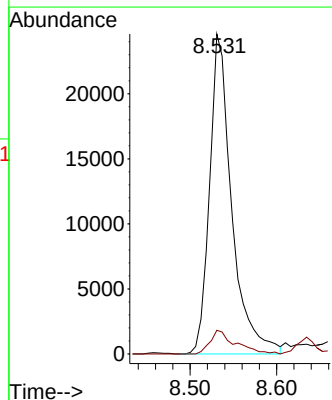
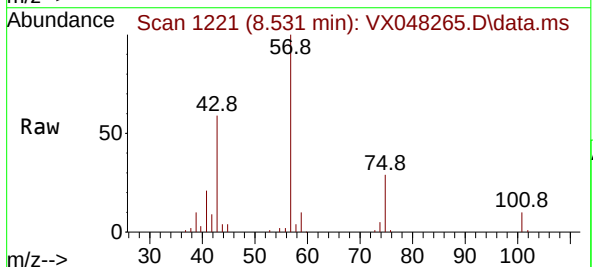
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

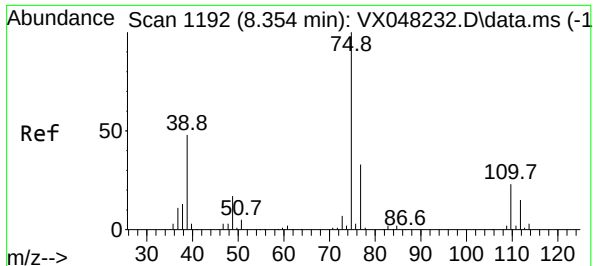
Tgt Ion: 98 Resp: 213644
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 30.294 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.025 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 43 Resp: 43758
Ion Ratio Lower Upper
43 100
58 8.4 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 9.637 ug/l

RT: 8.537 min Scan# 1192

Delta R.T. 0.189 min

Lab File: VX048265.D

Acq: 21 Oct 2025 13:40

Instrument :

MSVOA_X

ClientSampleId :

TP-4-WC

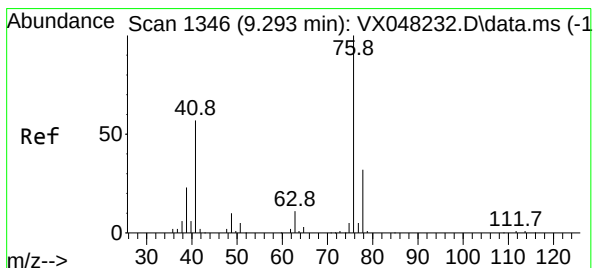
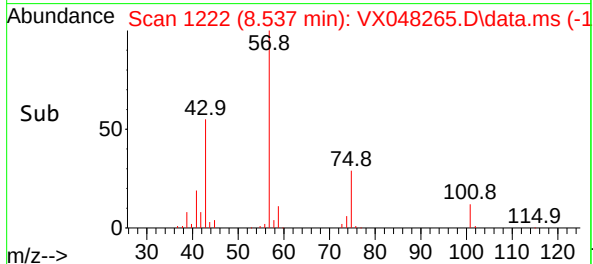
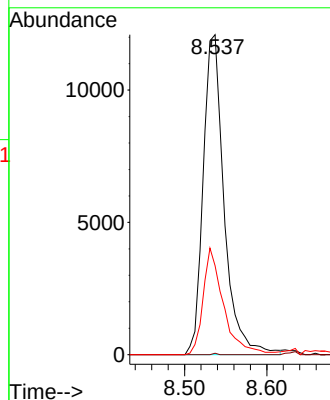
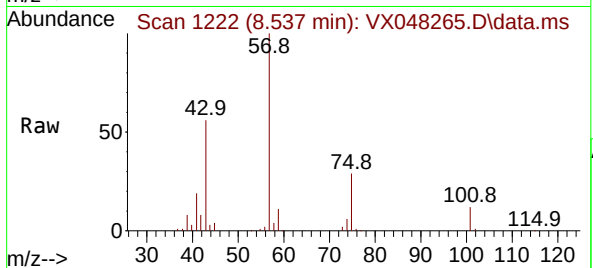
Tgt Ion: 75 Resp: 21409

Ion Ratio Lower Upper

75 100

77 0.4 24.9 37.3#

39 26.9 42.6 64.0#



#57

1,3-Dichloropropane

Concen: 0.731 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.171 min

Lab File: VX048265.D

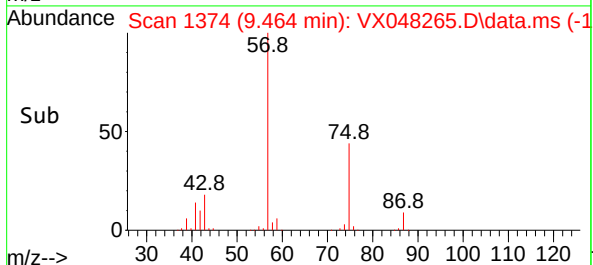
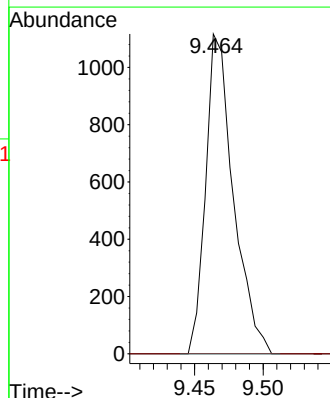
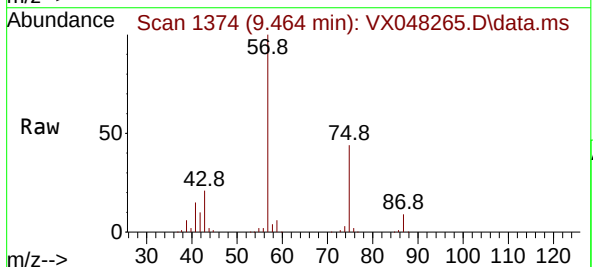
Acq: 21 Oct 2025 13:40

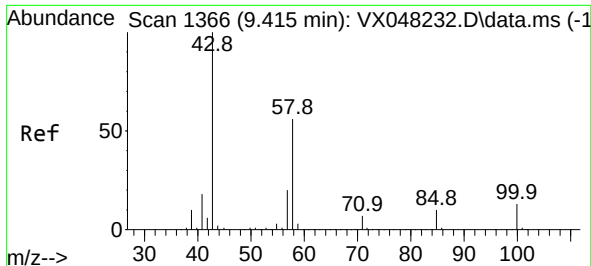
Tgt Ion: 76 Resp: 1575

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

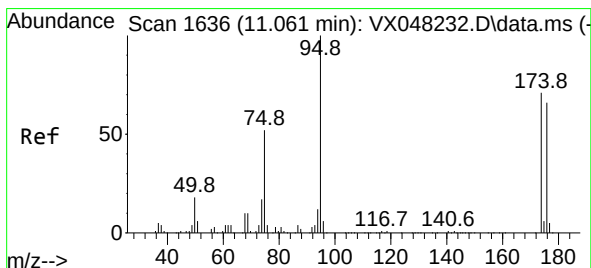
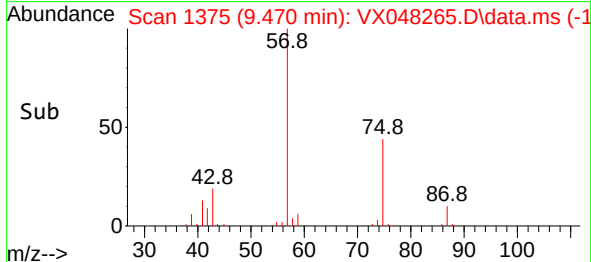
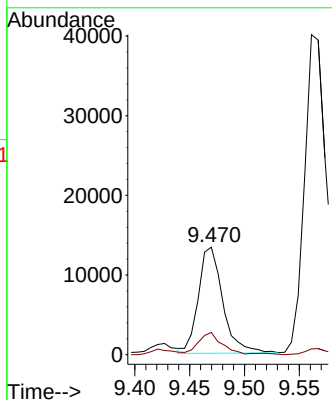
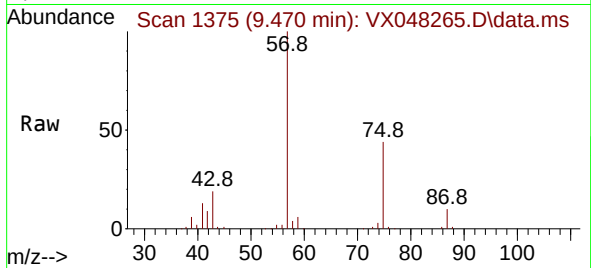




#59
2-Hexanone
Concen: 20.556 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

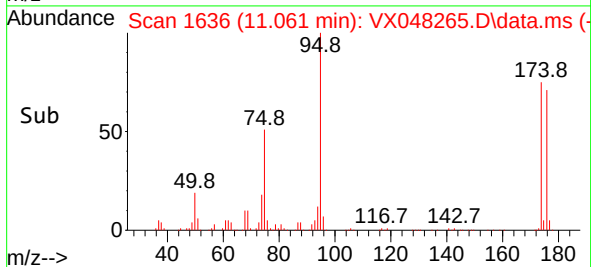
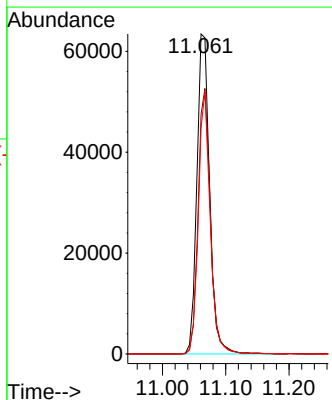
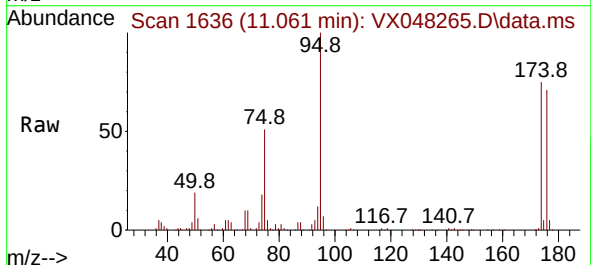
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

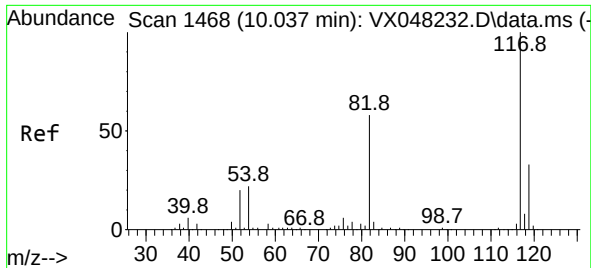
Tgt Ion: 43 Resp: 20704
Ion Ratio Lower Upper
43 100
58 20.3 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 51.679 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 95 Resp: 89213
Ion Ratio Lower Upper
95 100
174 80.3 0.0 147.8
176 76.0 0.0 142.8

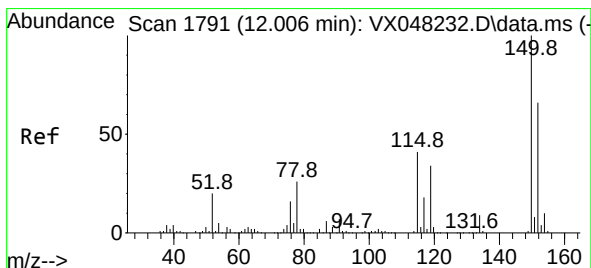
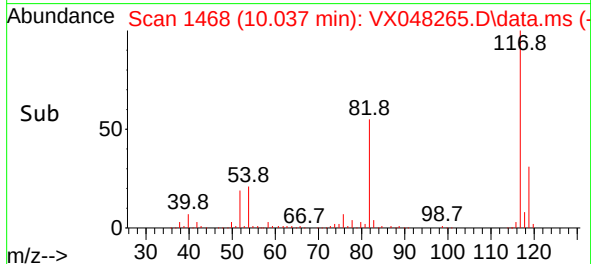
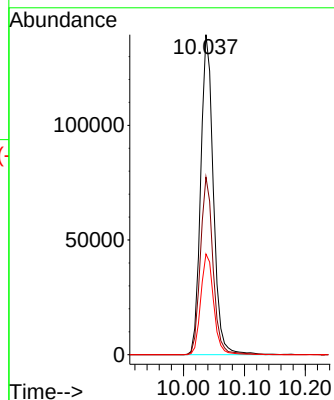
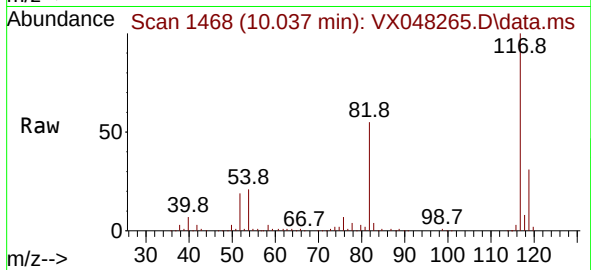




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

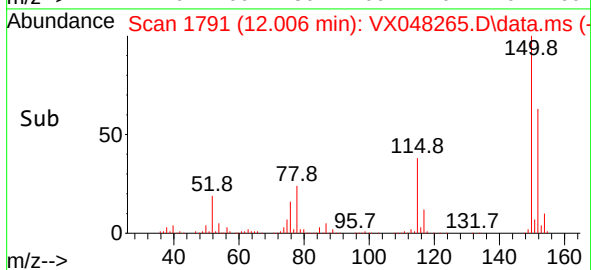
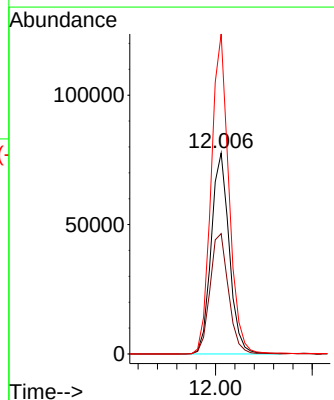
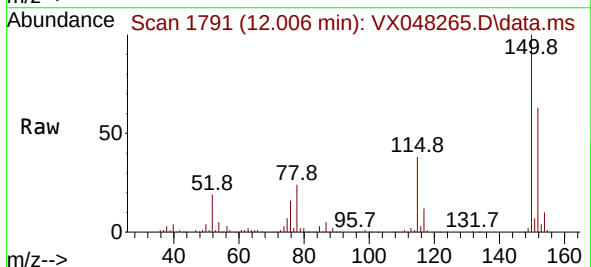
Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

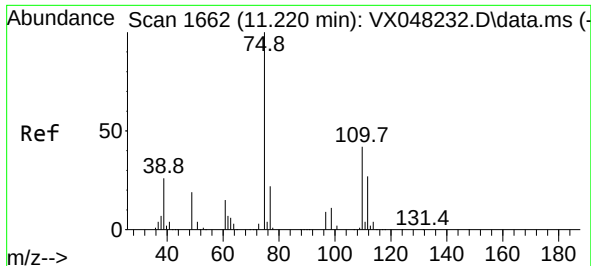
Tgt Ion:117 Resp: 201755
Ion Ratio Lower Upper
117 100
82 55.5 46.5 69.7
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion:152 Resp: 100673
Ion Ratio Lower Upper
152 100
115 61.4 43.1 129.4
150 156.3 0.0 353.0

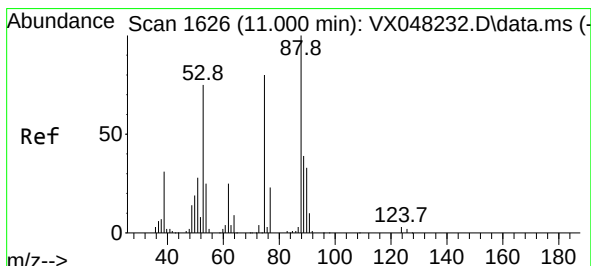
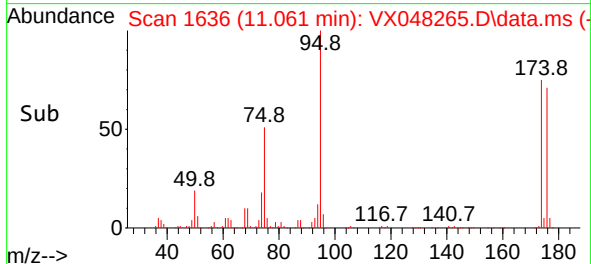
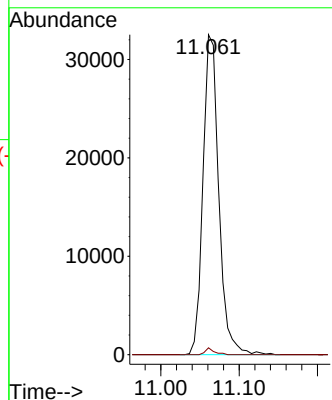
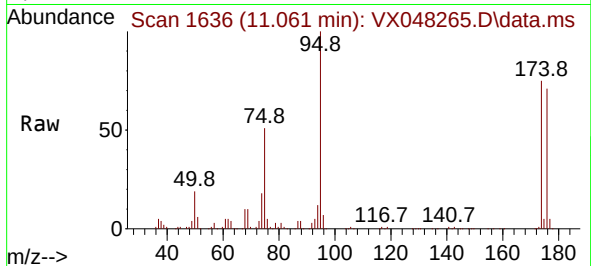




#76
1,2,3-Trichloropropane
Concen: 27.890 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TP-4-WC

Tgt Ion: 75 Resp: 45533
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.855 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048265.D
Acq: 21 Oct 2025 13:40

Tgt Ion: 75 Resp: 45533
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 36.8 55.2#

