

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048143.D
 Acq On : 13 Oct 2025 15:30
 Operator : JC/MD
 Sample : Q3321-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-DS-01

Quant Time: Oct 14 01:56:05 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	125413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	262380	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112725	56.468	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.940%
35) Dibromofluoromethane	5.379	113	90650	51.516	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.040%
50) Toluene-d8	8.634	98	308347	50.642	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.280%
62) 4-Bromofluorobenzene	11.067	95	132352	57.275	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.560%

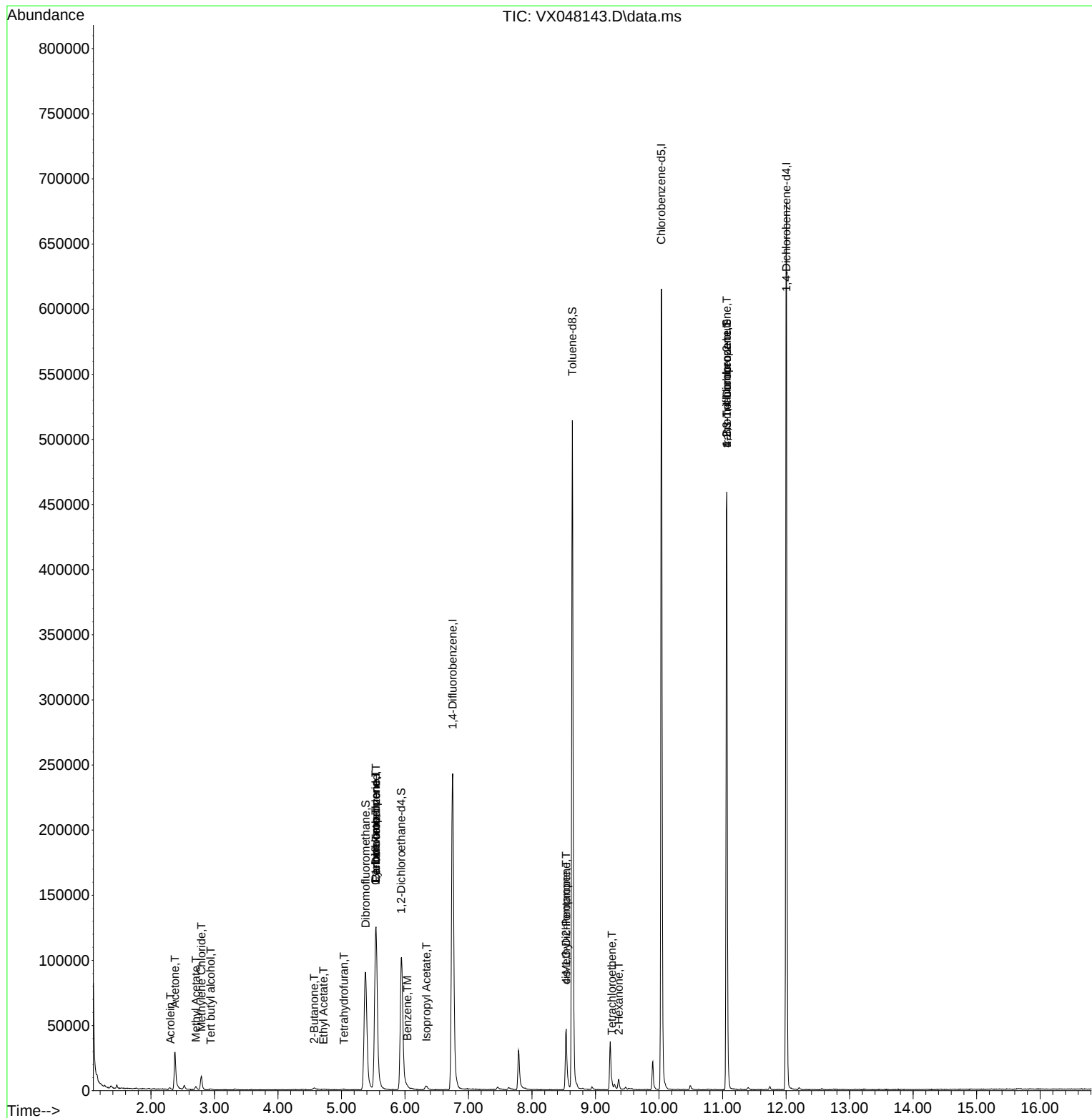
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	476	2.141	ug/l #	72
13) Acrolein	2.306	56	60	0.293	ug/l #	14
16) Acetone	2.379	43	37321	42.998	ug/l	99
18) Methyl Acetate	2.709	43	3801	1.968	ug/l	93
20) Methylene Chloride	2.794	84	5215	2.838	ug/l	93
25) 2-Butanone	4.568	43	3333	3.078	ug/l	99
29) Tetrahydrofuran	5.038	42	428	0.657	ug/l #	48
31) Cyclohexane	5.537	56	2728	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	10991	4.275	ug/l #	53
37) Ethyl Acetate	4.714	43	862	0.313	ug/l #	71
38) Carbon Tetrachloride	5.544	117	13660	4.889	ug/l #	17
40) Benzene	6.037	78	1836	0.235	ug/l #	82
43) Isopropyl Acetate	6.336	43	5035	1.115	ug/l #	87
51) 4-Methyl-2-Pentanone	8.537	43	19942	7.966	ug/l #	46
54) cis-1,3-Dichloropropene	8.537	75	8311	2.539	ug/l #	62
59) 2-Hexanone	9.366	43	5939	3.303	ug/l #	26
64) Tetrachloroethene	9.256	164	540	0.298	ug/l #	80
76) 1,2,3-Trichloropropane	11.067	75	70466	24.750	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	70466	63.115	ug/l #	8

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

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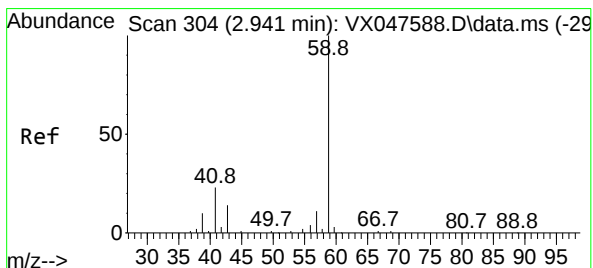
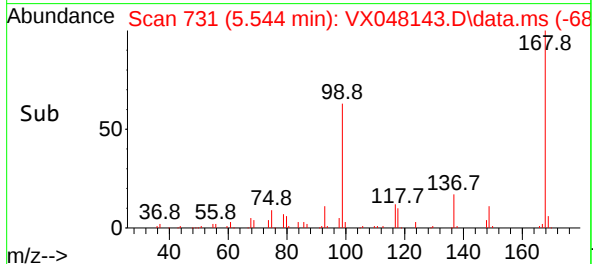
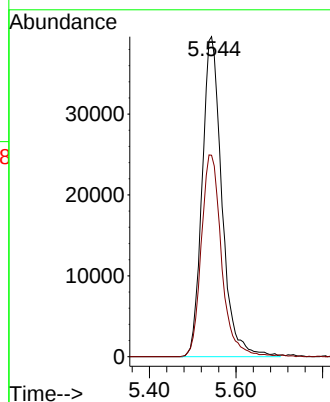
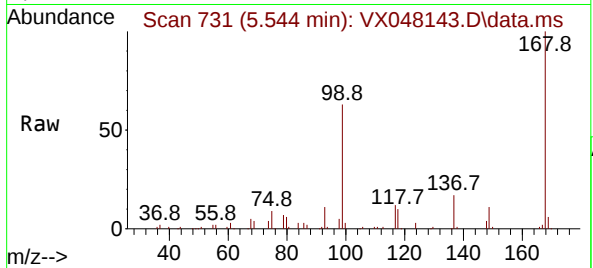




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

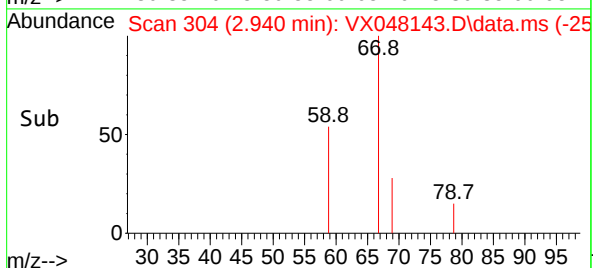
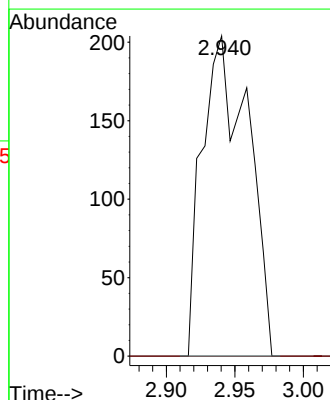
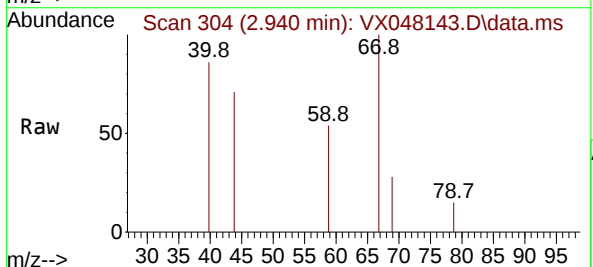
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

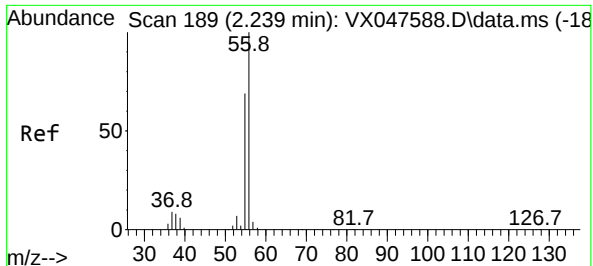
Tgt Ion:168 Resp: 125413
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 2.141 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

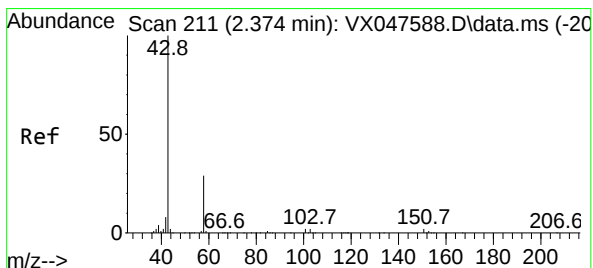
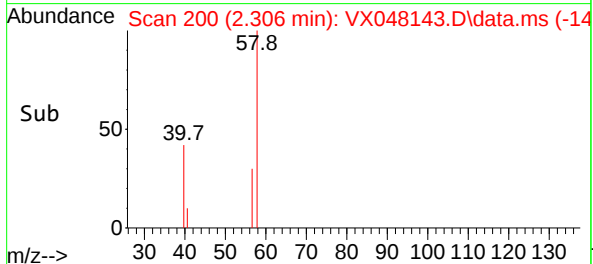
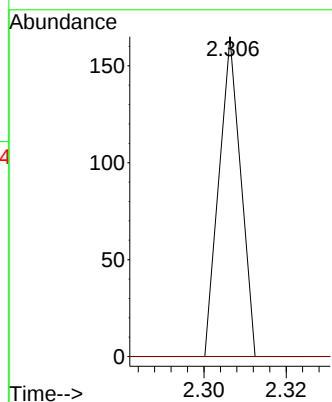
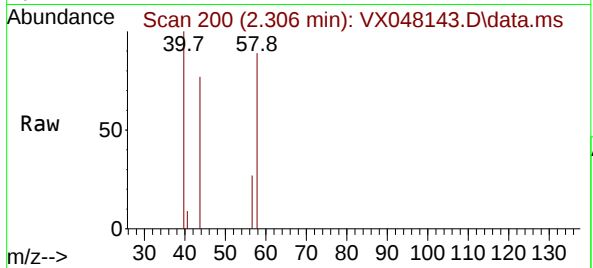




#13
Acrolein
Concen: 0.293 ug/l
RT: 2.306 min Scan# 20
Delta R.T. 0.067 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

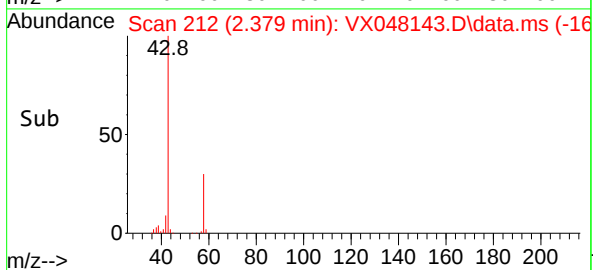
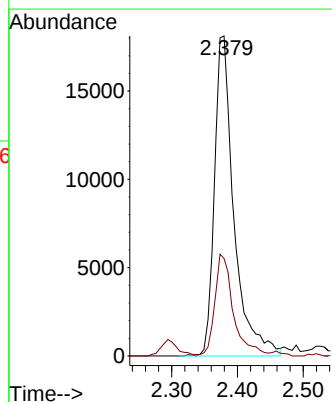
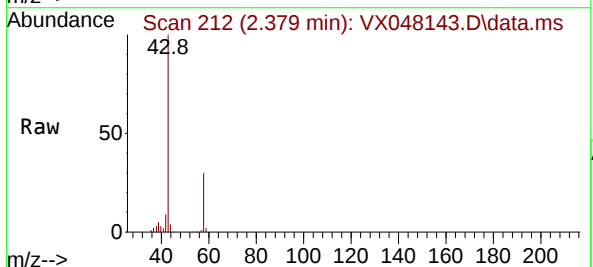
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

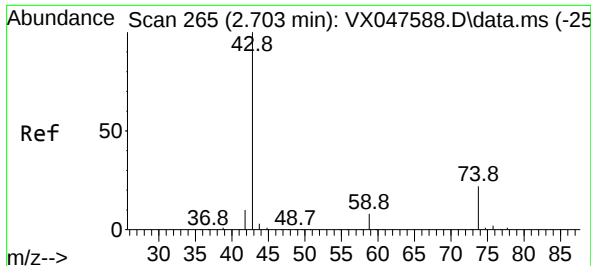
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 42.998 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 43 Resp: 37321
Ion Ratio Lower Upper
43 100
58 29.6 23.4 35.0

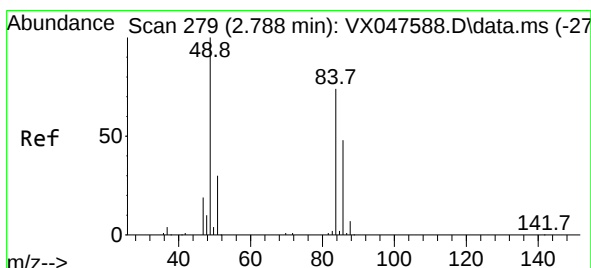
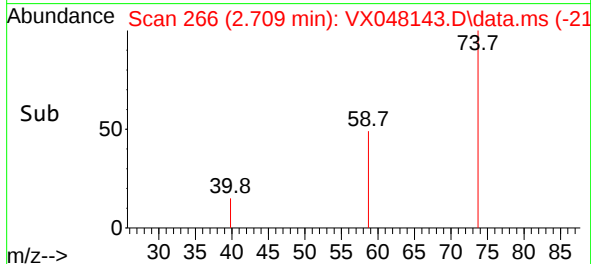
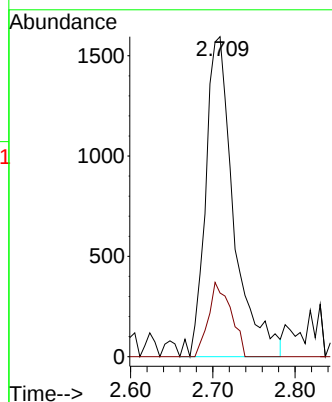
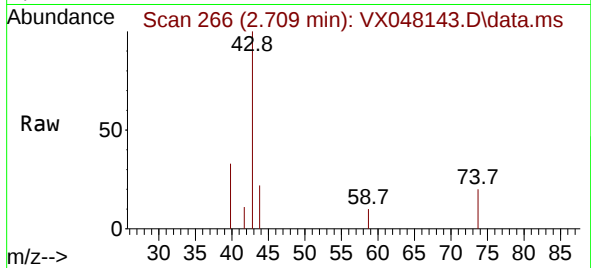




#18
Methyl Acetate
Concen: 1.968 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

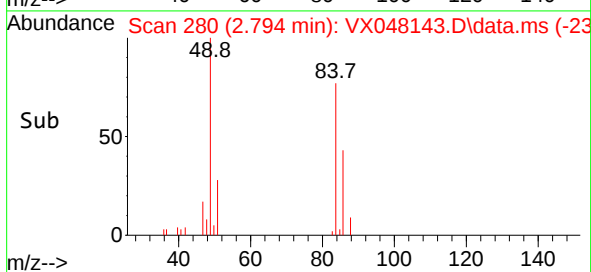
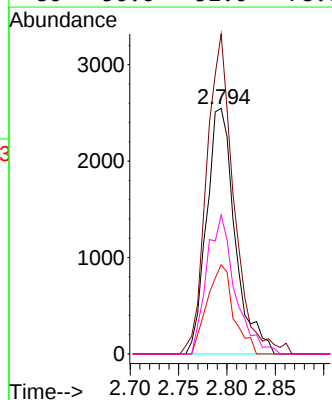
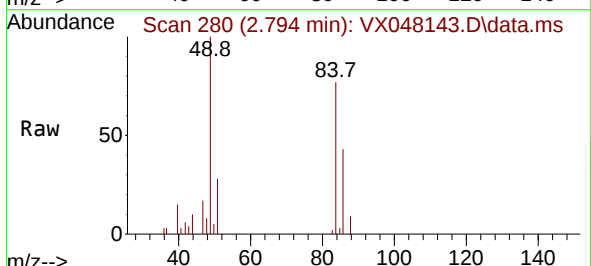
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

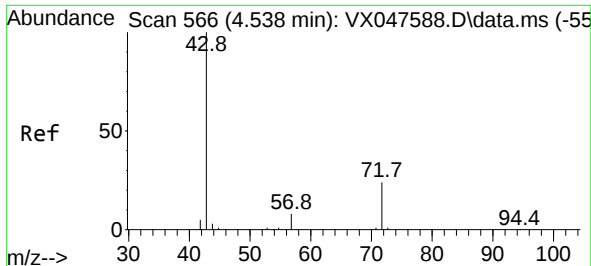
Tgt Ion: 43 Resp: 3801
Ion Ratio Lower Upper
43 100
74 18.6 17.4 26.2



#20
Methylene Chloride
Concen: 2.838 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 84 Resp: 5215
Ion Ratio Lower Upper
84 100
49 130.3 108.6 162.8
51 36.3 32.6 48.8
86 56.6 52.0 78.0





#25

2-Butanone

Concen: 3.078 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX048143.D

Acq: 13 Oct 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

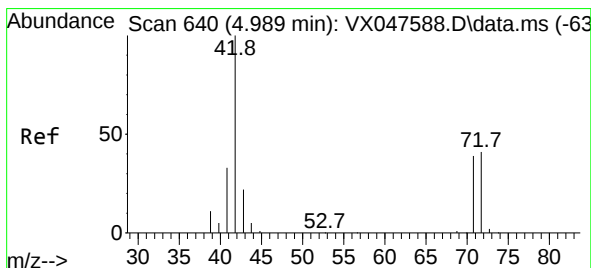
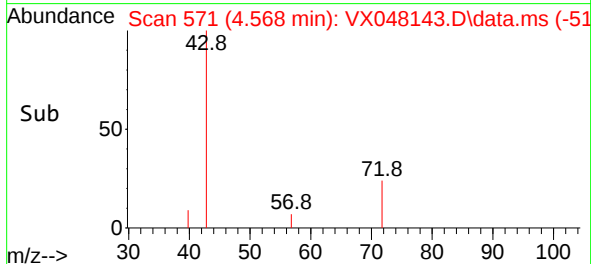
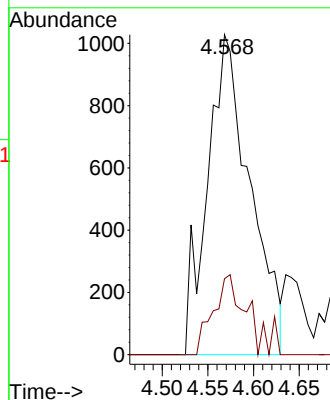
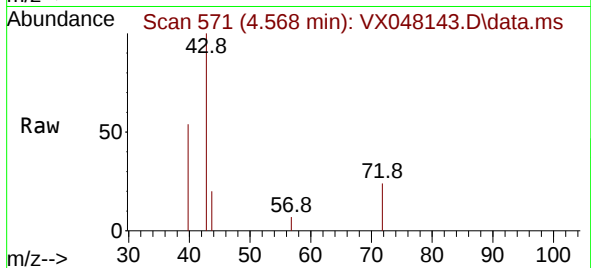
P001-DS-01

Tgt Ion: 43 Resp: 3333

Ion Ratio Lower Upper

43 100

72 24.8 20.1 30.1



#29

Tetrahydrofuran

Concen: 0.657 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.049 min

Lab File: VX048143.D

Acq: 13 Oct 2025 15:30

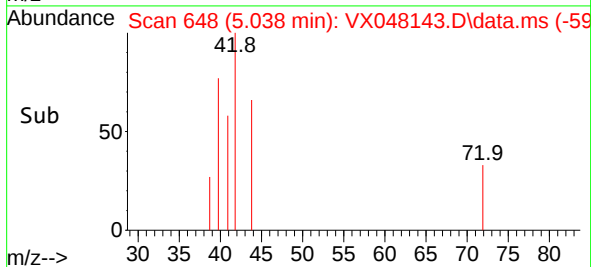
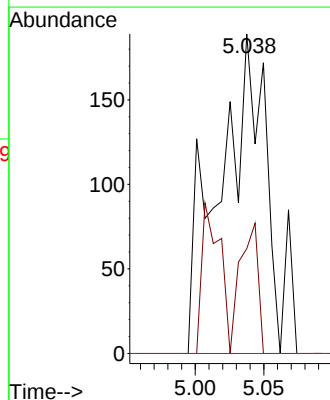
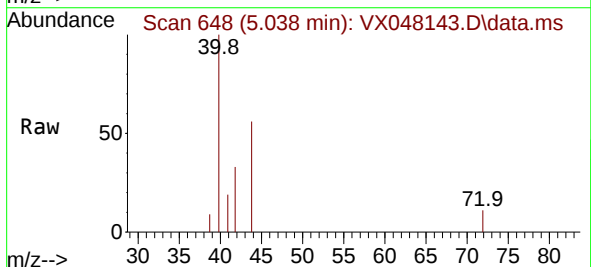
Tgt Ion: 42 Resp: 428

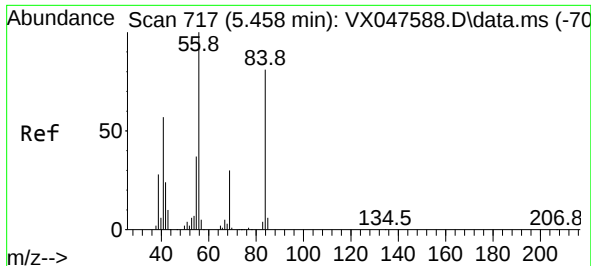
Ion Ratio Lower Upper

42 100

72 16.6 34.2 51.2#

71 0.0 31.9 47.9#

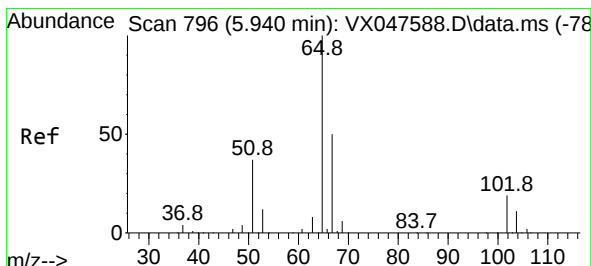
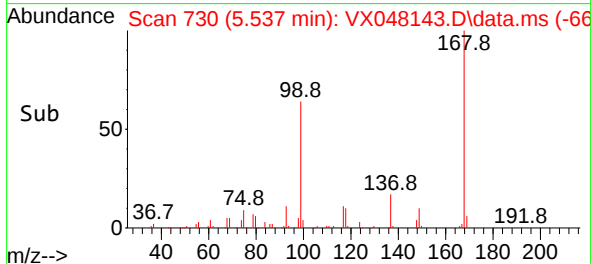
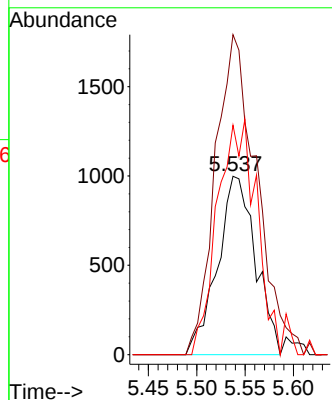
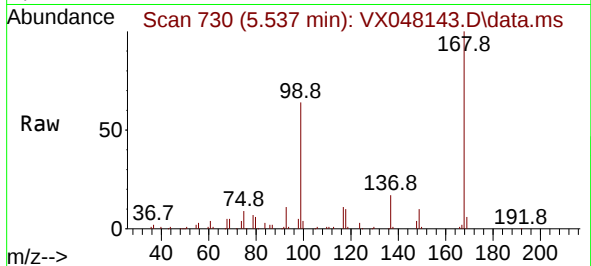




#31
Cyclohexane
Concen: 1.034 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

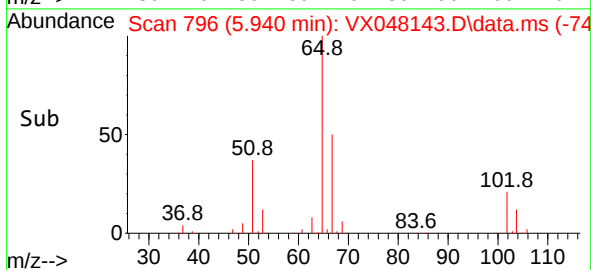
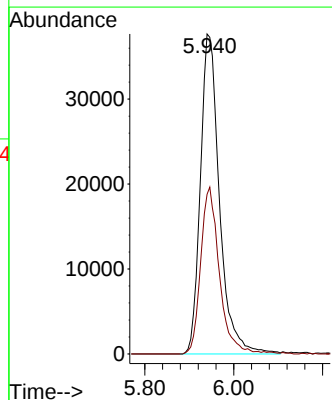
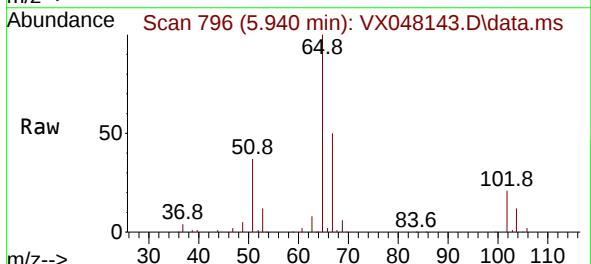
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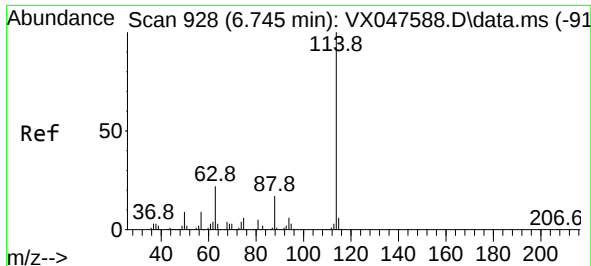
Tgt Ion: 56 Resp: 2728
Ion Ratio Lower Upper
56 100
69 179.5 23.8 35.8#
84 128.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 56.468 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 65 Resp: 112725
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

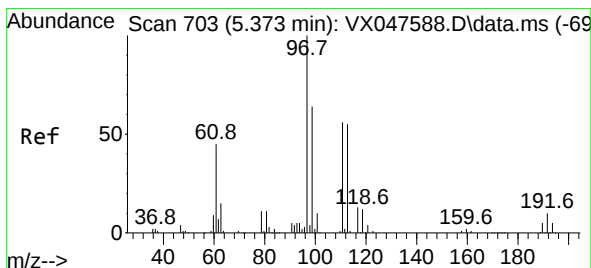
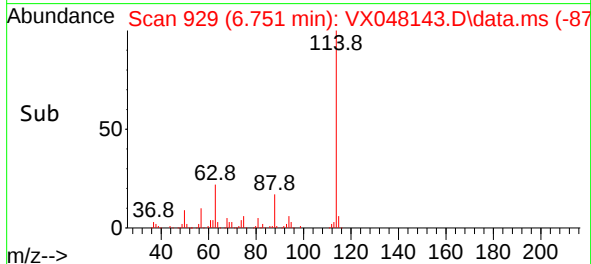
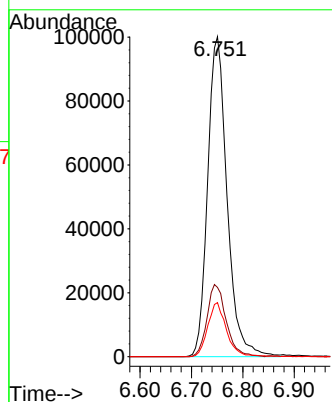
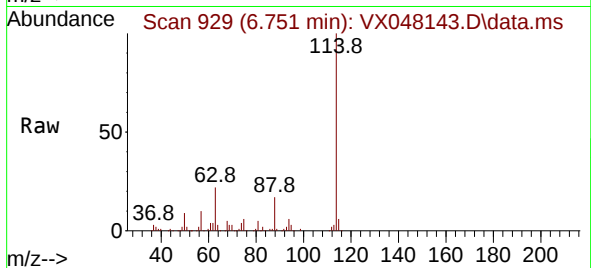




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

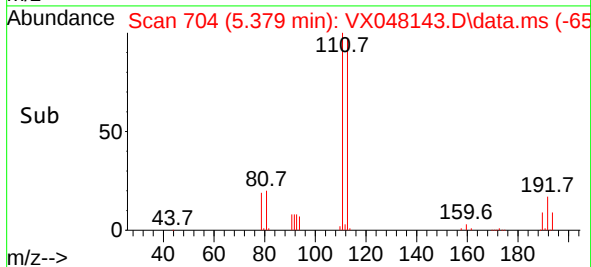
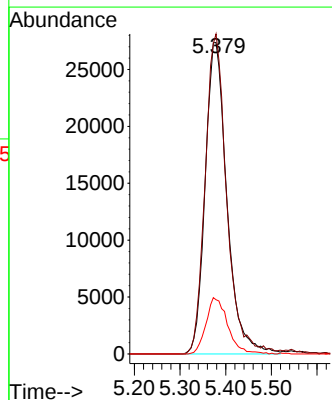
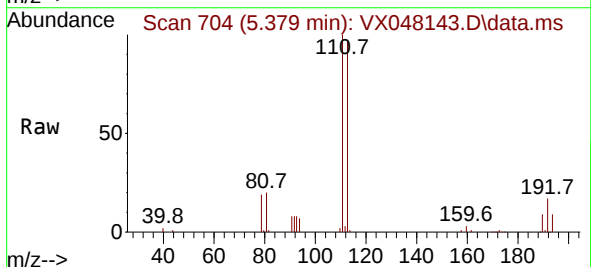
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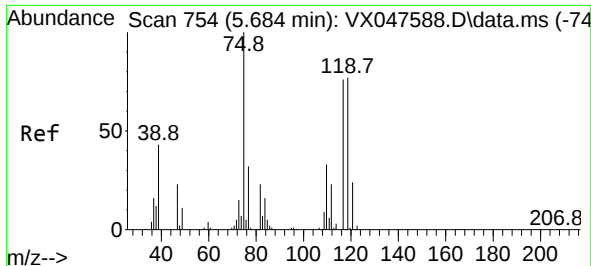
Tgt Ion:114 Resp: 262380
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.516 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion:113 Resp: 90650
Ion Ratio Lower Upper
113 100
111 101.7 80.9 121.3
192 18.1 14.2 21.4

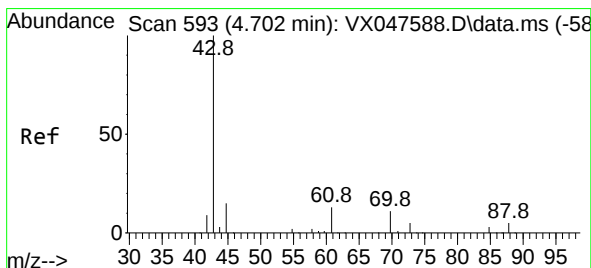
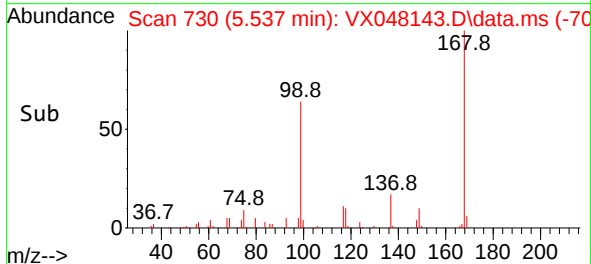
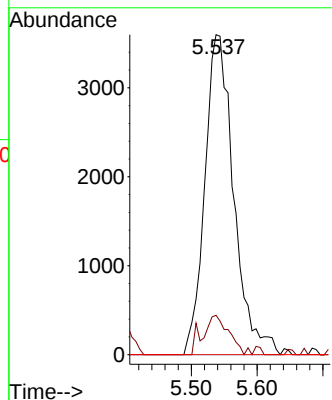
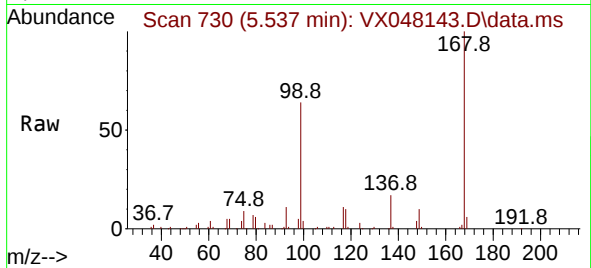




#36
1,1-Dichloropropene
Concen: 4.275 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

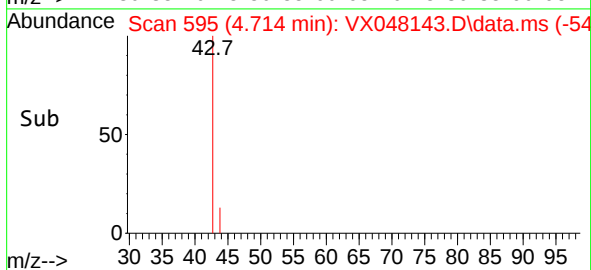
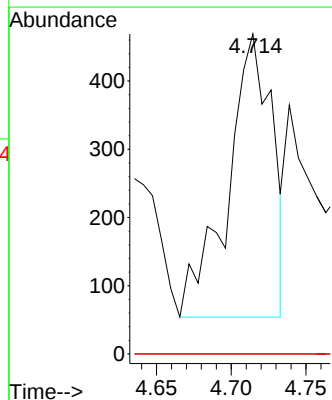
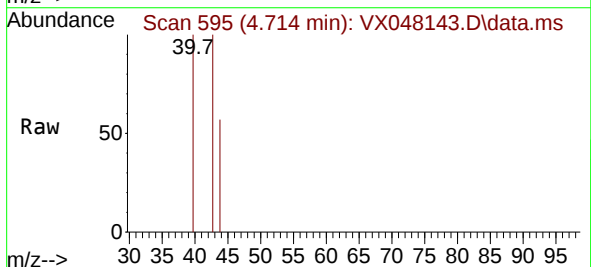
Instrument :
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ClientSampleId :
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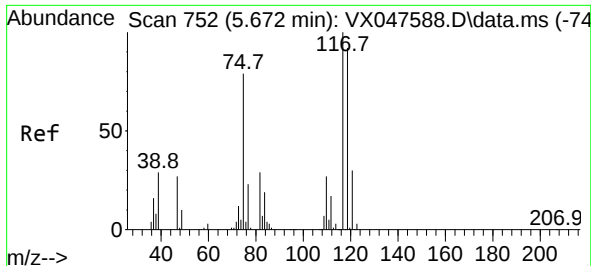
Tgt Ion: 75 Resp: 10991
Ion Ratio Lower Upper
75 100
110 10.9 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.313 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.9 11.9#

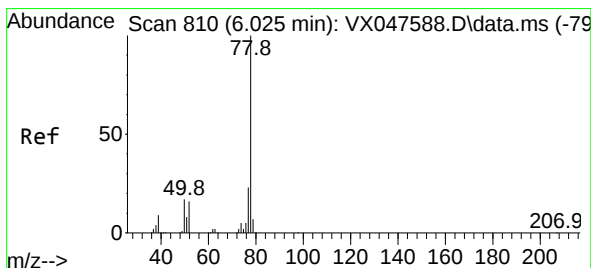
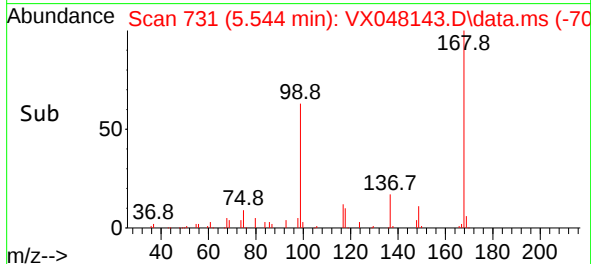
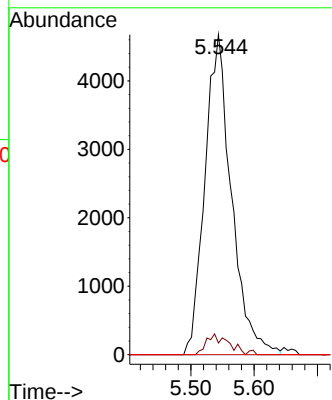
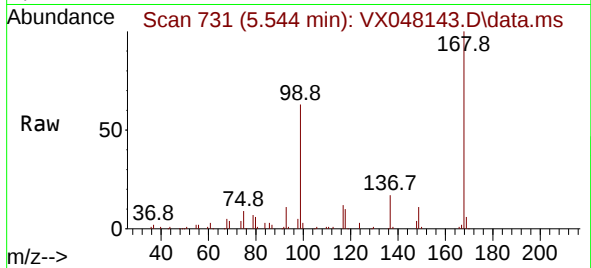




#38
Carbon Tetrachloride
Concen: 4.889 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

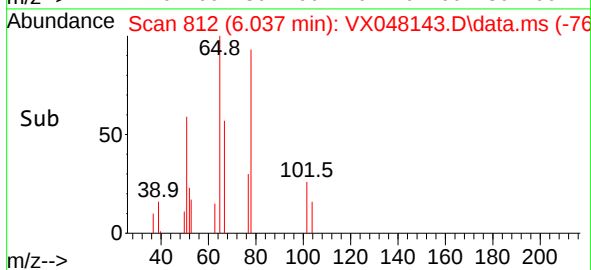
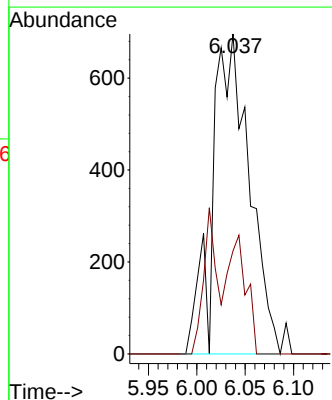
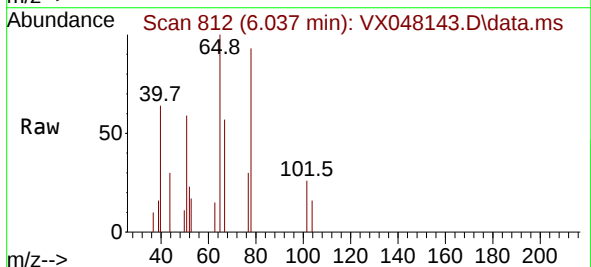
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

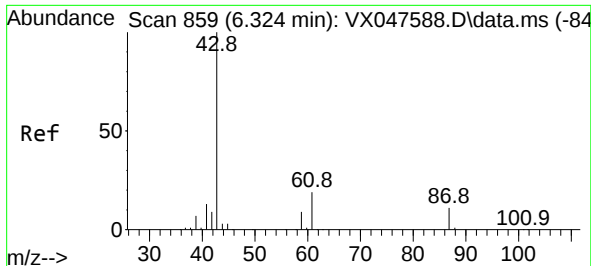
Tgt Ion:117 Resp: 13660
Ion Ratio Lower Upper
117 100
119 3.7 73.4 110.2#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.235 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 78 Resp: 1836
Ion Ratio Lower Upper
78 100
77 32.2 18.8 28.2#

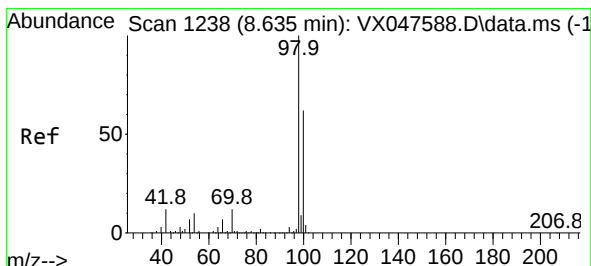
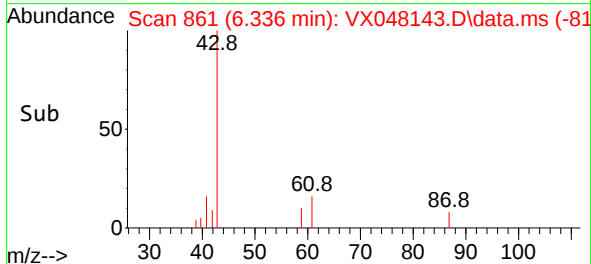
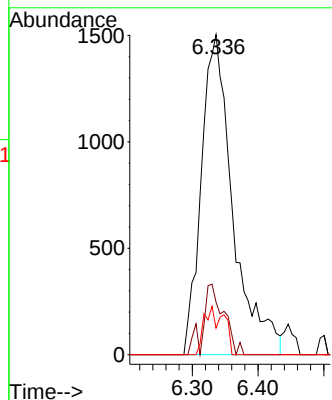
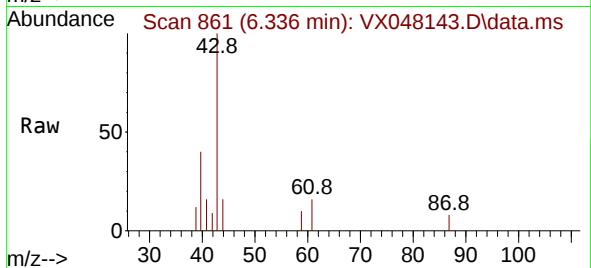




#43
Isopropyl Acetate
Concen: 1.115 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

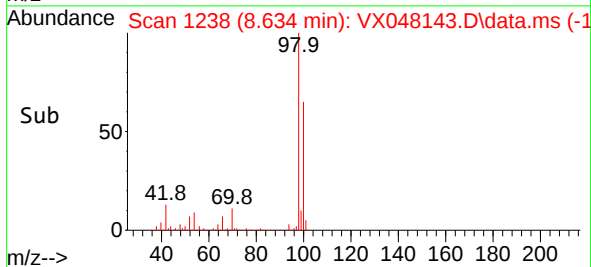
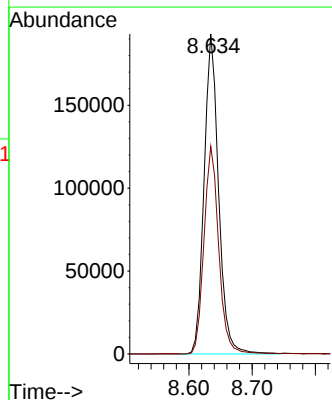
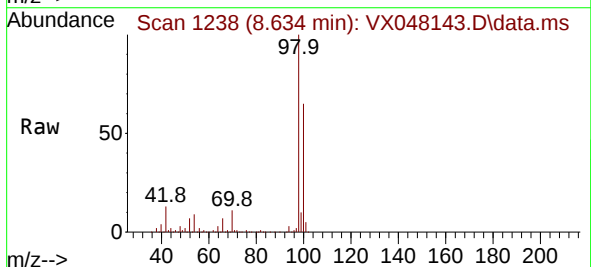
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

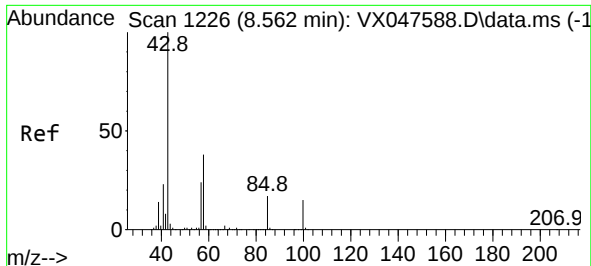
Tgt Ion: 43 Resp: 5035
Ion Ratio Lower Upper
43 100
61 14.5 15.2 22.8#
87 5.5 9.6 14.4#



#50
Toluene-d8
Concen: 50.642 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 98 Resp: 308347
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

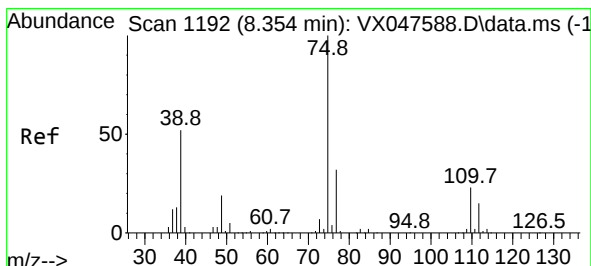
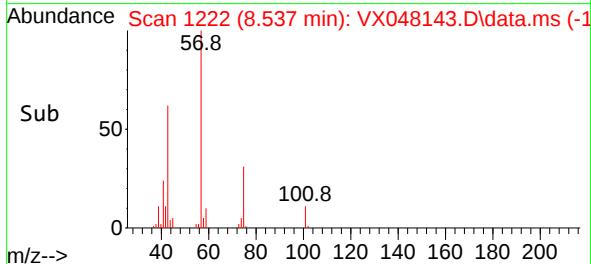
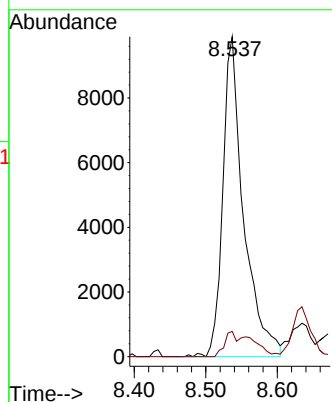
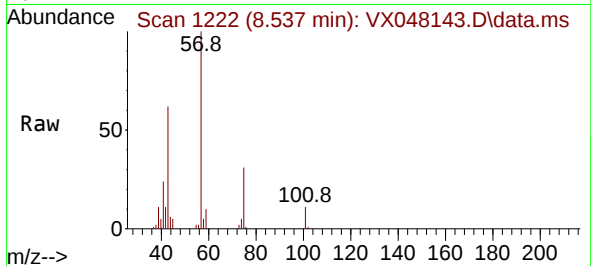




#51
4-Methyl-2-Pentanone
Concen: 7.966 ug/l
RT: 8.537 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

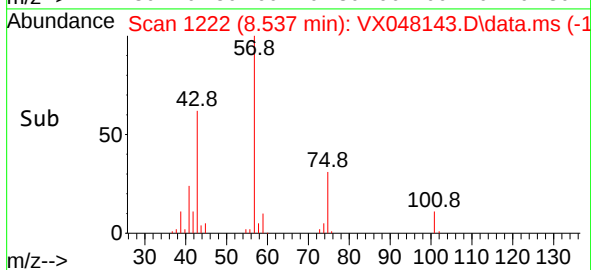
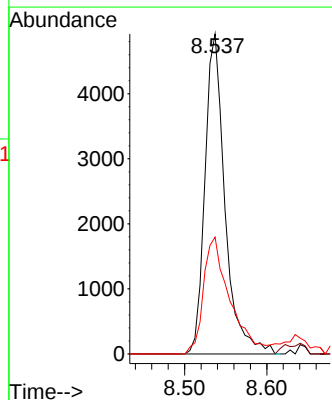
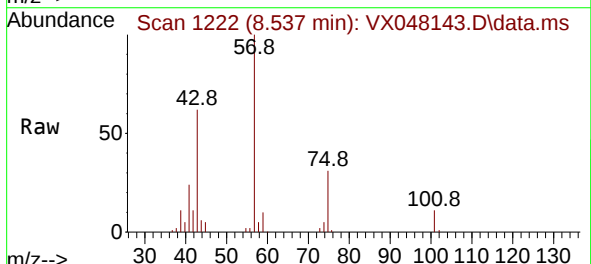
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

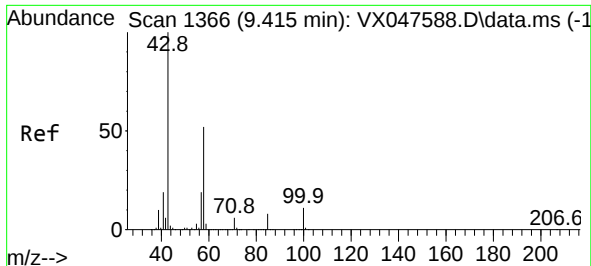
Tgt Ion: 43 Resp: 19942
Ion Ratio Lower Upper
43 100
58 5.5 30.3 45.5#



#54
cis-1,3-Dichloropropene
Concen: 2.539 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. 0.183 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 75 Resp: 8311
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#
39 33.4 41.4 62.2#

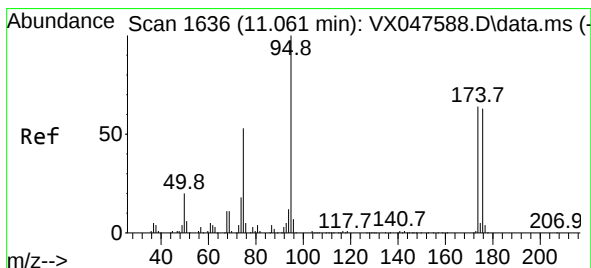
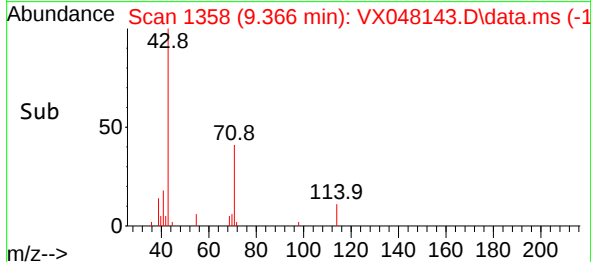
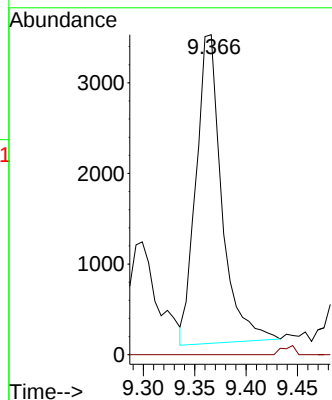
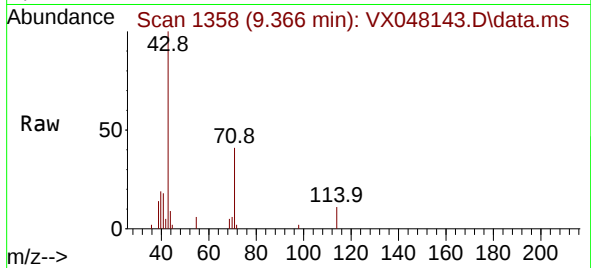




#59
2-Hexanone
Concen: 3.303 ug/l
RT: 9.366 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

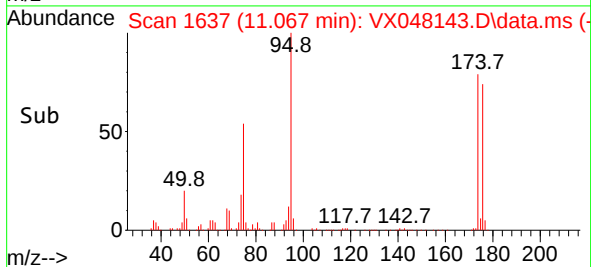
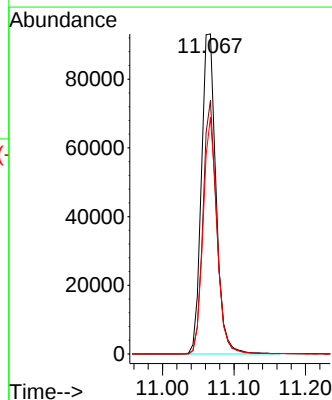
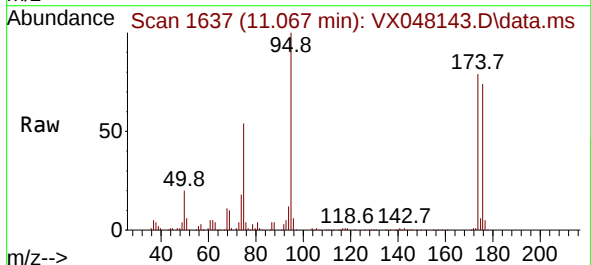
Instrument :
MSVOA_X
ClientSampleId :
P001-DS-01

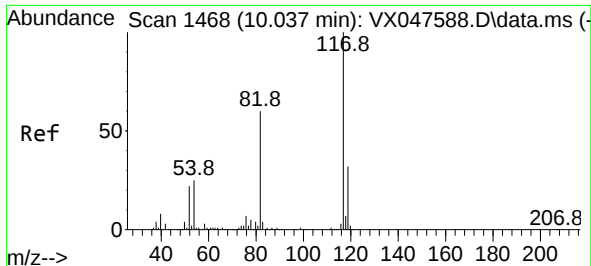
Tgt Ion: 43 Resp: 5939
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 57.275 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion: 95 Resp: 132352
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 70.8 0.0 138.4

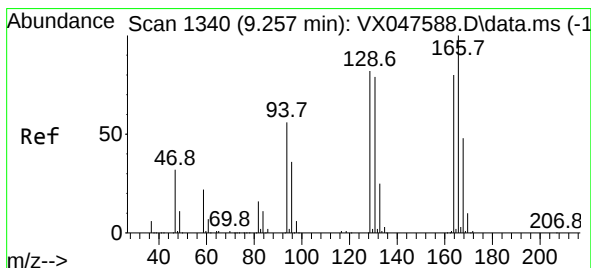
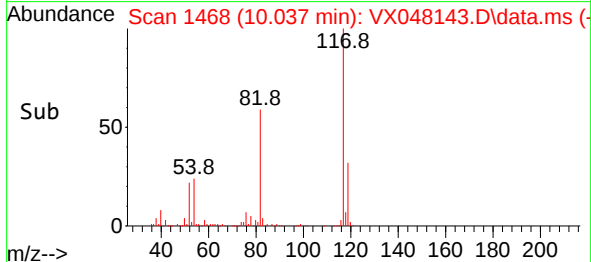
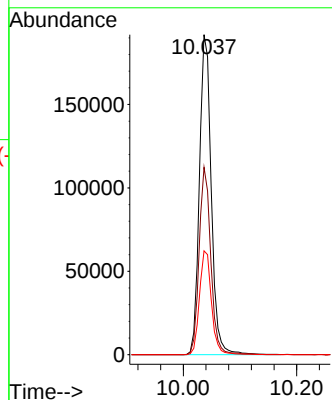
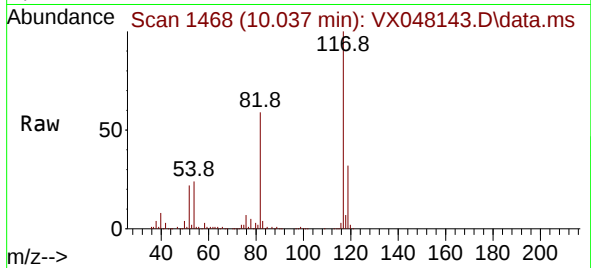




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

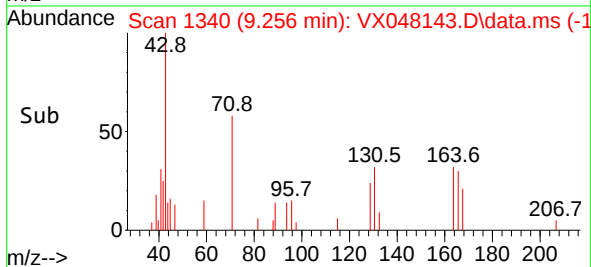
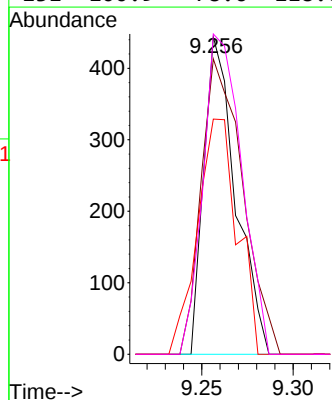
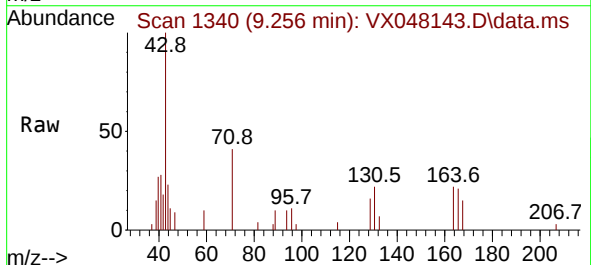
Instrument : MSVOA_X
ClientSampleId : P001-DS-01

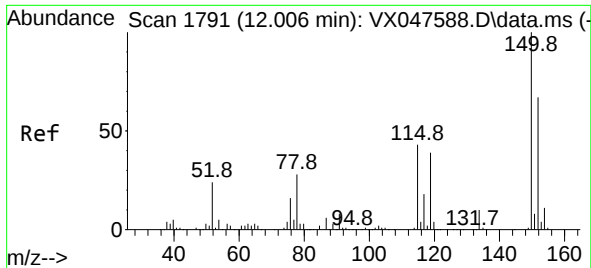
Tgt Ion:117 Resp: 277983
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 0.298 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048143.D
Acq: 13 Oct 2025 15:30

Tgt Ion:164 Resp: 540
Ion Ratio Lower Upper
164 100
166 93.0 100.2 150.2#
129 74.1 81.8 122.6#
131 100.9 78.6 118.0

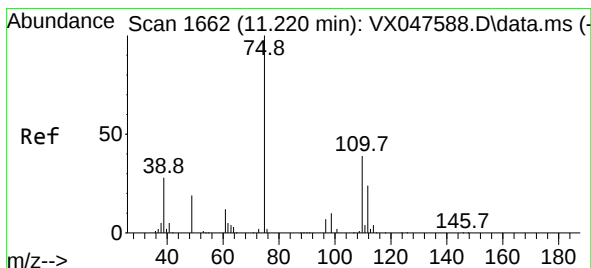
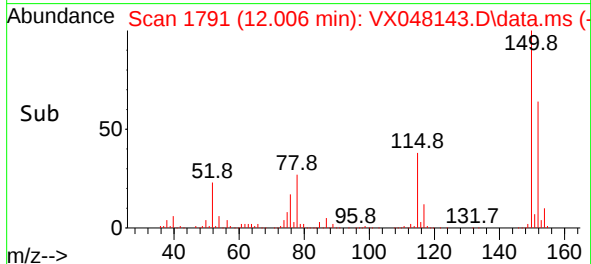
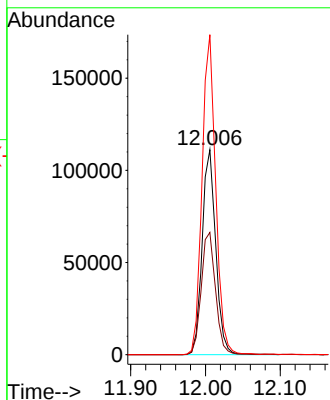
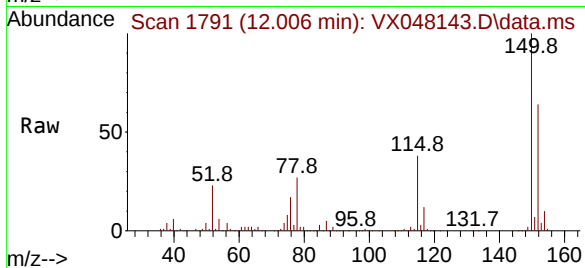




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048143.D
 Acq: 13 Oct 2025 15:30

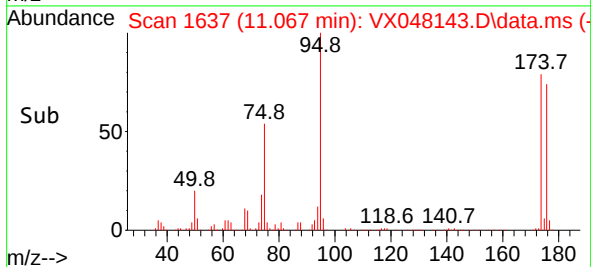
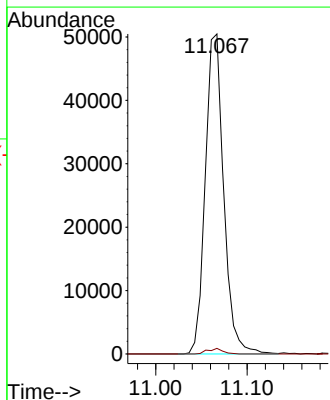
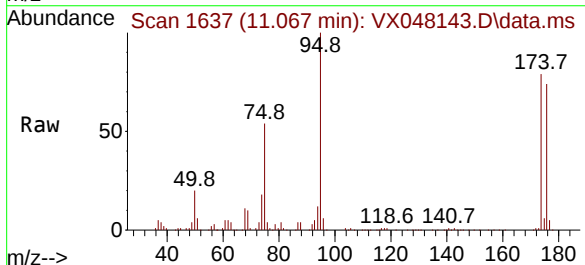
Instrument :
 MSVOA_X
 ClientSampleId :
 P001-DS-01

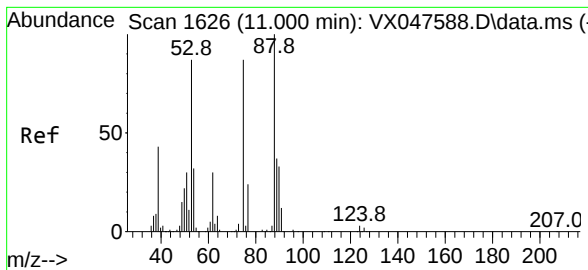
Tgt Ion:152 Resp: 140622
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.9 134.5
 150 156.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.750 ug/l
 RT: 11.067 min Scan# 1637
 Delta R.T. -0.153 min
 Lab File: VX048143.D
 Acq: 13 Oct 2025 15:30

Tgt Ion: 75 Resp: 70466
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.115 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX048143.D
 Acq: 13 Oct 2025 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-DS-01

Tgt Ion: 75 Resp: 70466
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

