

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047683.D
 Acq On : 19 Sep 2025 17:40
 Operator : JC/MD
 Sample : Q3097-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20250911

Quant Time: Sep 20 00:36:08 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)

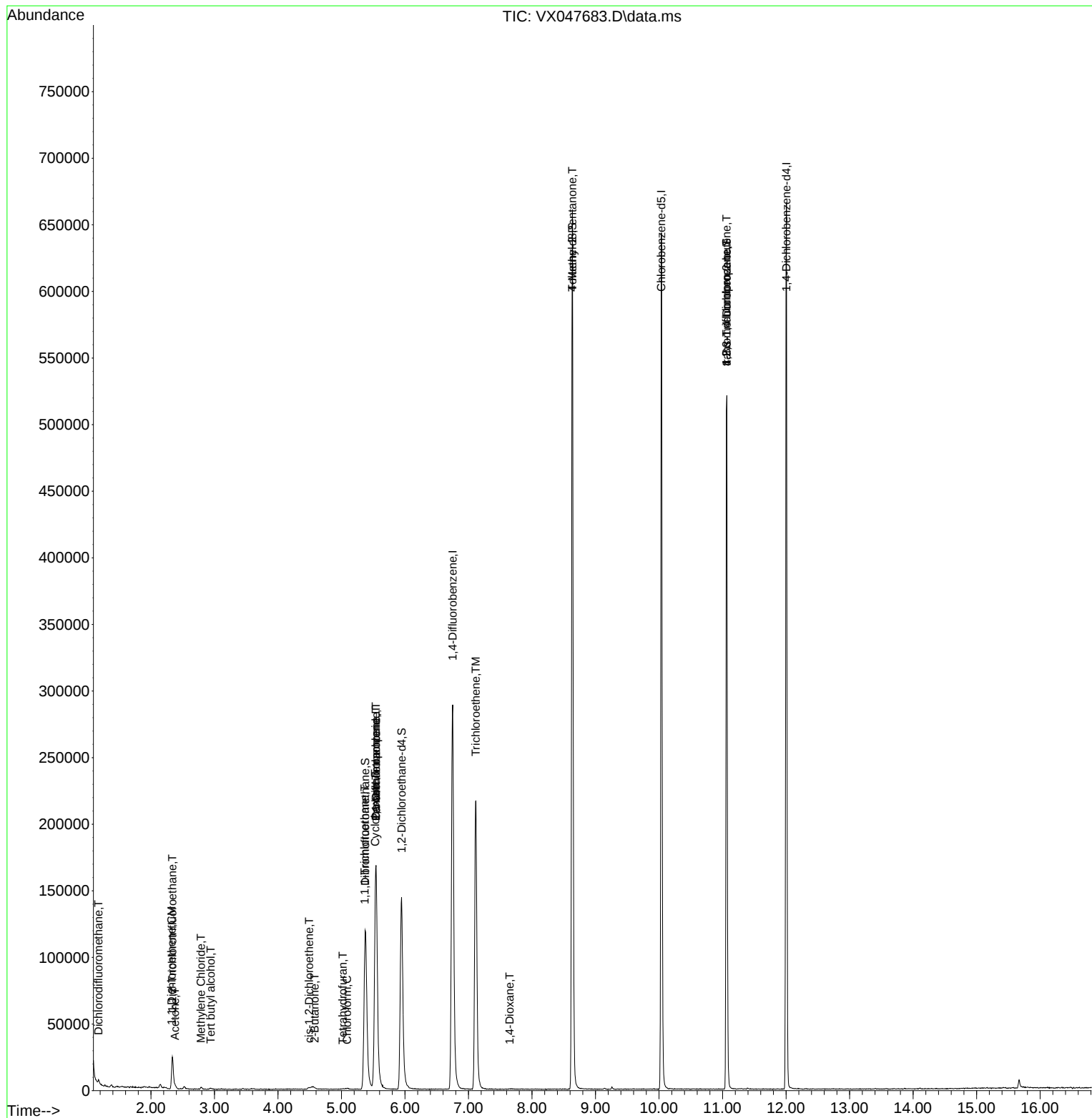
Internal Standards						
1) Pentafluorobenzene	5.544	168	171618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	317965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	154083	56.405	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.800%	
35) Dibromofluoromethane	5.373	113	116291	54.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.060%	
50) Toluene-d8	8.635	98	401515	54.415	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.840%	
62) 4-Bromofluorobenzene	11.061	95	154347	55.117	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	1418	0.798	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.337	101	10394	5.236	ug/l	100
11) Tert butyl alcohol	2.940	59	191	0.628	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1056	0.518	ug/l #	87
16) Acetone	2.380	43	1714	1.443	ug/l #	88
20) Methylene Chloride	2.788	84	680	0.270	ug/l #	84
25) 2-Butanone	4.574	43	613	0.414	ug/l #	50
27) cis-1,2-Dichloroethene	4.489	96	795	0.296	ug/l	89
29) Tetrahydrofuran	5.019	42	403	0.452	ug/l #	53
30) Chloroform	5.086	83	882	0.201	ug/l #	69
31) Cyclohexane	5.531	56	1751	0.485	ug/l #	24
32) 1,1,1-Trichloroethane	5.367	97	1423	0.383	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	14344	4.603	ug/l #	50
38) Carbon Tetrachloride	5.544	117	18260	5.393	ug/l #	18
44) Trichloroethene	7.117	130	93951	41.061	ug/l	93
49) 1,4-Dioxane	7.647	88	76	2.759	ug/l #	53
51) 4-Methyl-2-Pentanone	8.635	43	2088	0.688	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	79546	28.550	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	79546	72.806	ug/l #	8

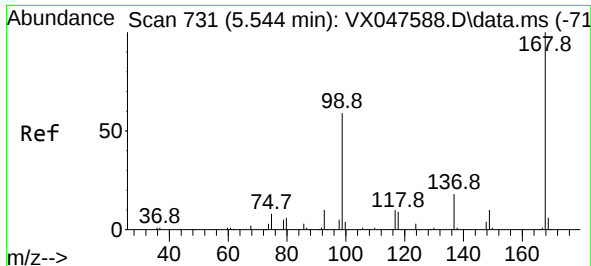
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
RE105D1-20250911

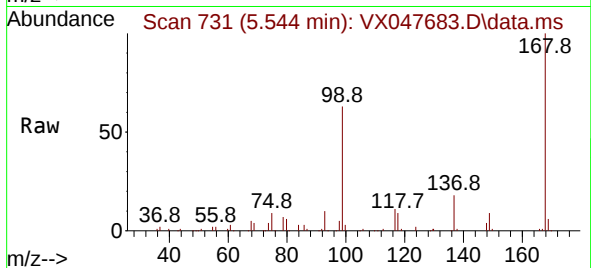
Quant Time: Sep 20 00:36:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



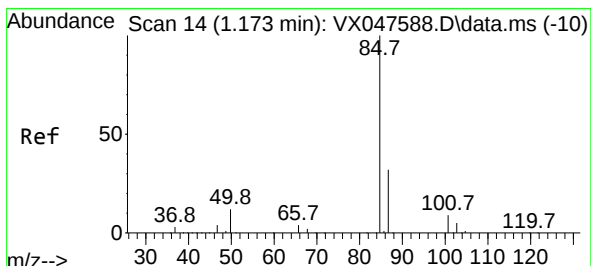
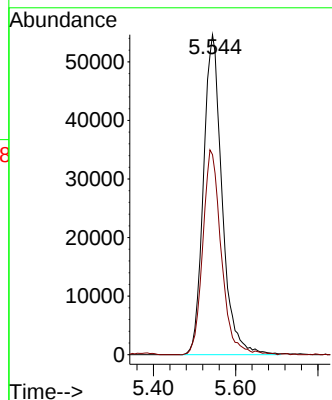
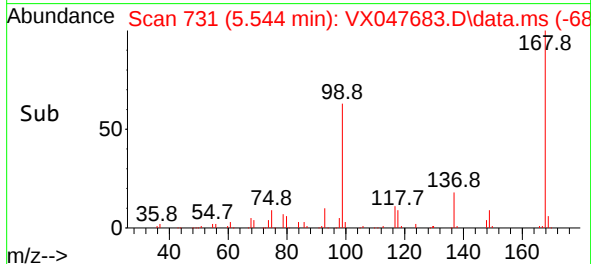


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

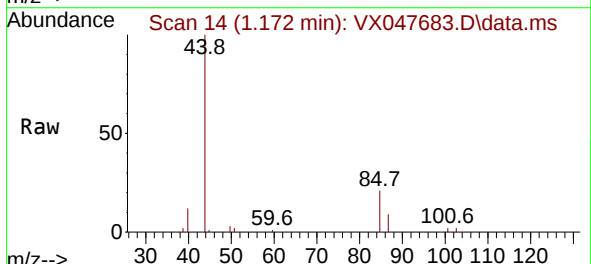
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911



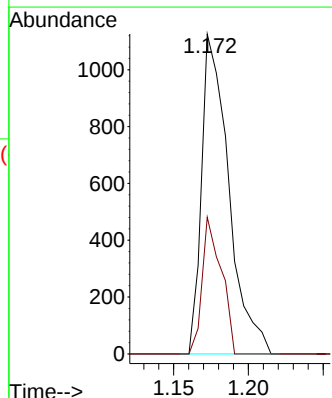
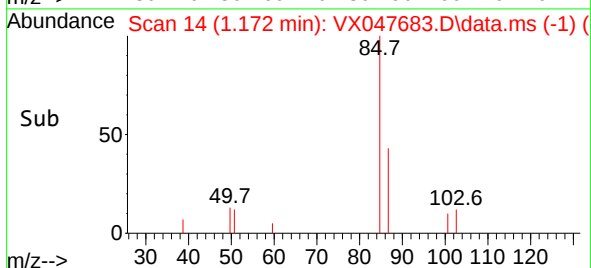
Tgt Ion:168 Resp: 171618
Ion Ratio Lower Upper
168 100
99 62.5 48.8 73.2

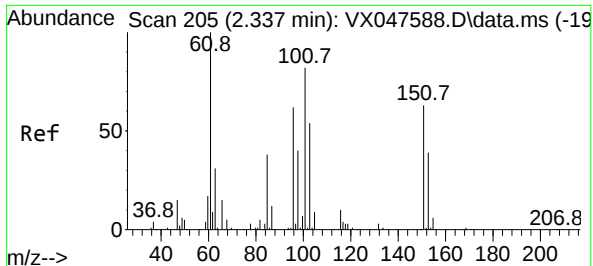


#2
Dichlorodifluoromethane
Concen: 0.798 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40



Tgt Ion: 85 Resp: 1418
Ion Ratio Lower Upper
85 100
87 42.7 15.8 47.3

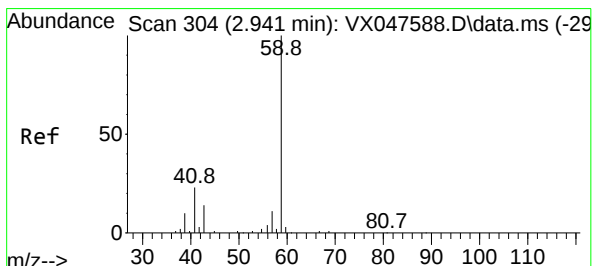
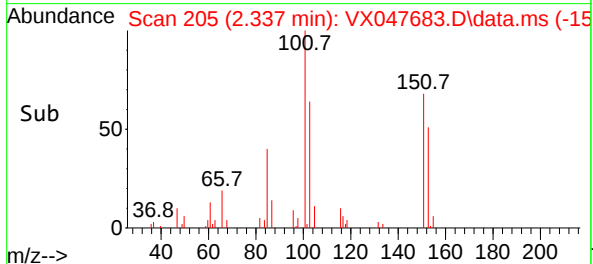
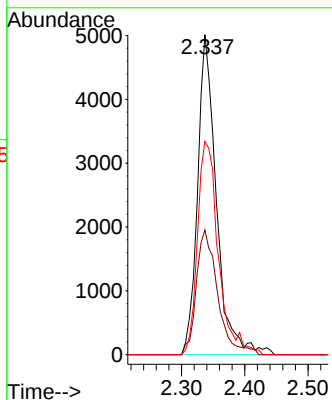
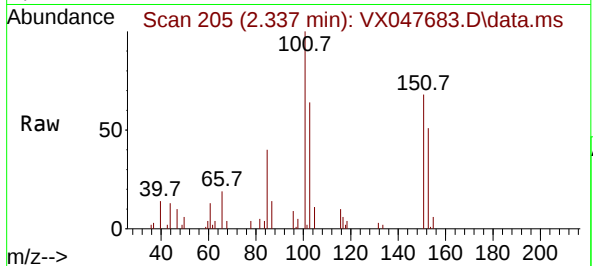




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.236 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

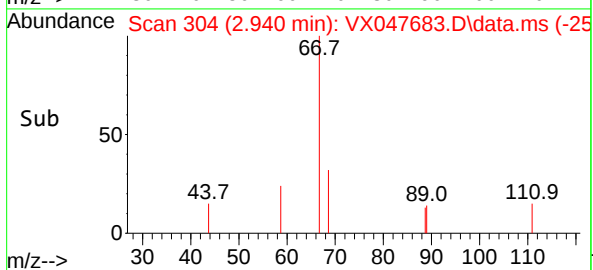
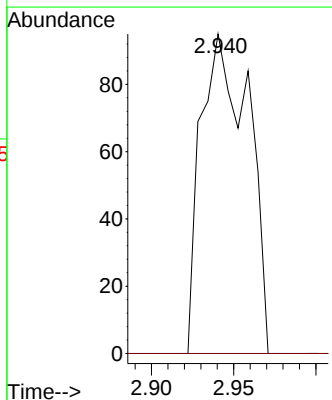
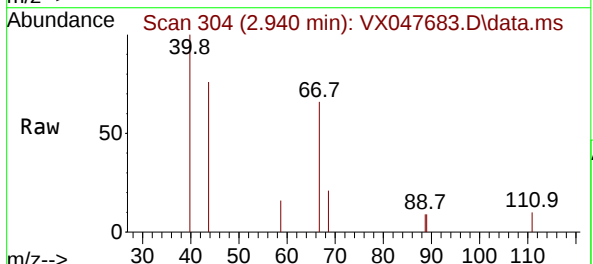
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

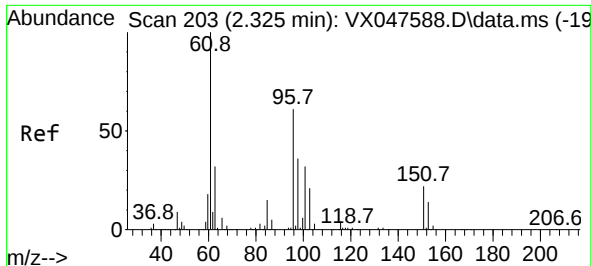
Tgt Ion:101 Resp: 10394
Ion Ratio Lower Upper
101 100
85 44.0 35.5 53.3
151 73.9 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.628 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

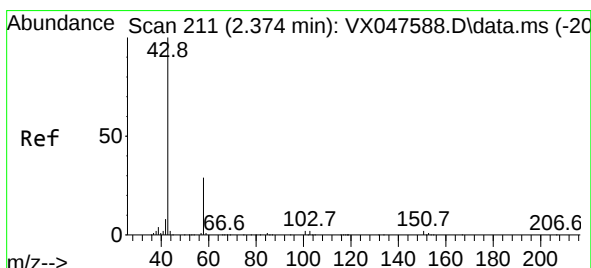
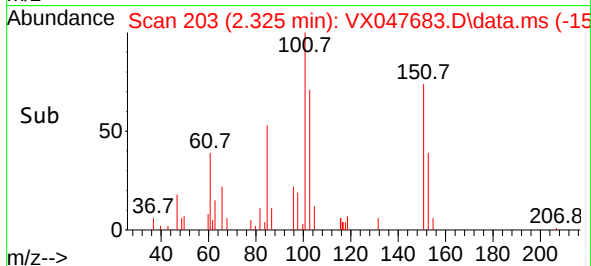
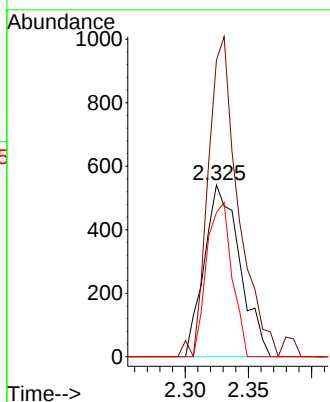
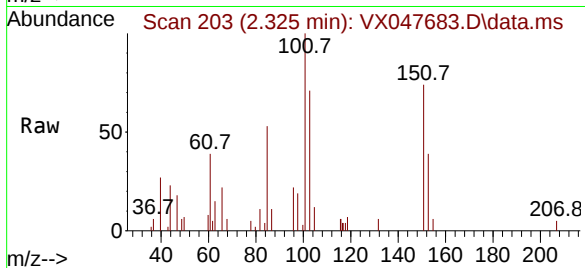




#12
1,1-Dichloroethene
Concen: 0.518 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

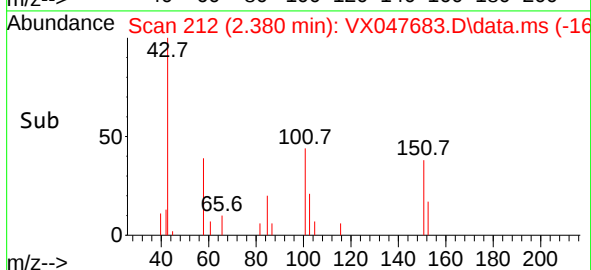
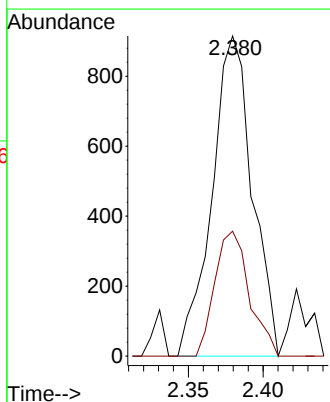
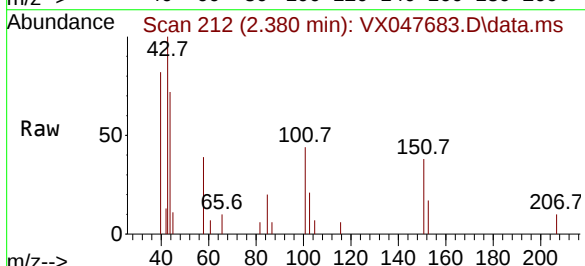
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

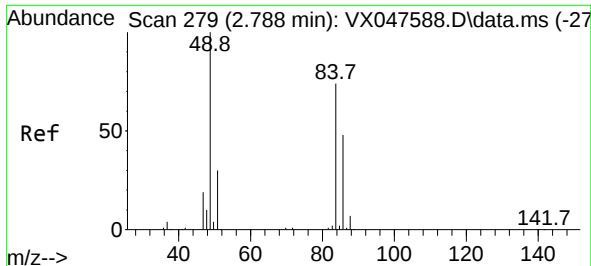
Tgt Ion: 96 Resp: 1056
Ion Ratio Lower Upper
96 100
61 172.6 131.0 196.6
98 83.9 47.7 71.5#



#16
Acetone
Concen: 1.443 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 22.7 23.4 35.0#

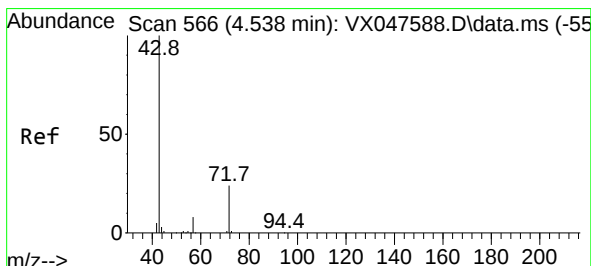
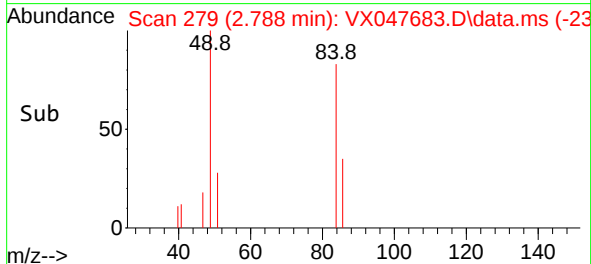
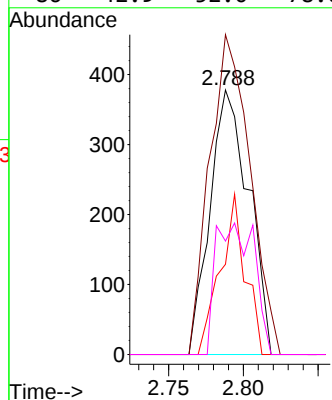
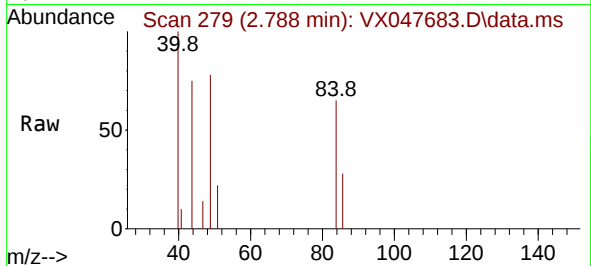




#20
Methylene Chloride
Concen: 0.270 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

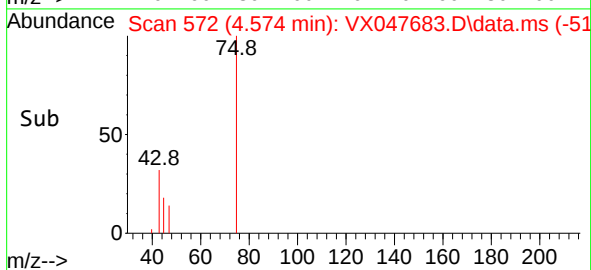
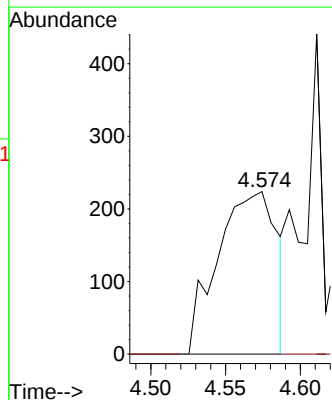
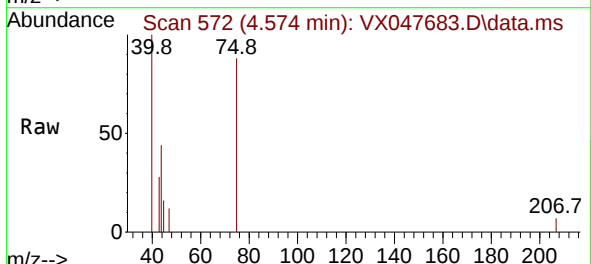
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

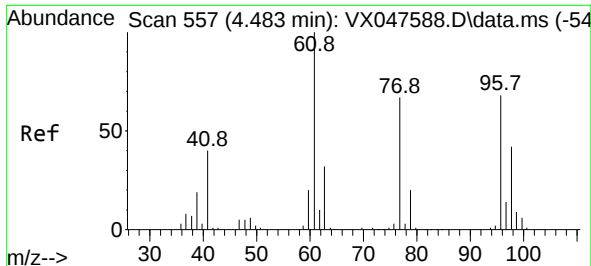
Tgt Ion:	84	Resp:	680
Ion	Ratio	Lower	Upper
84	100		
49	120.9	108.6	162.8
51	34.1	32.6	48.8
86	42.9	52.0	78.0



#25
2-Butanone
Concen: 0.414 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.036 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion:	43	Resp:	613
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1





#27

cis-1,2-Dichloroethene

Concen: 0.296 ug/l

RT: 4.489 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX047683.D

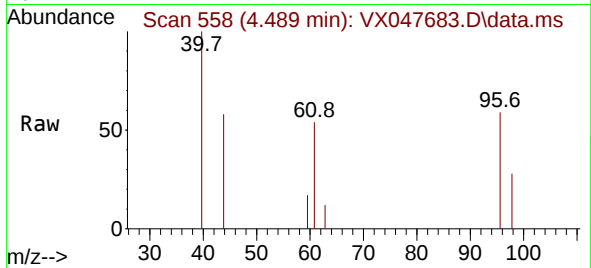
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Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20250911



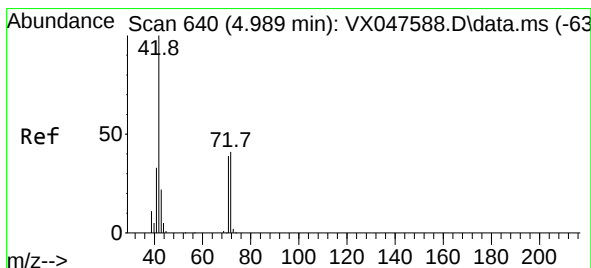
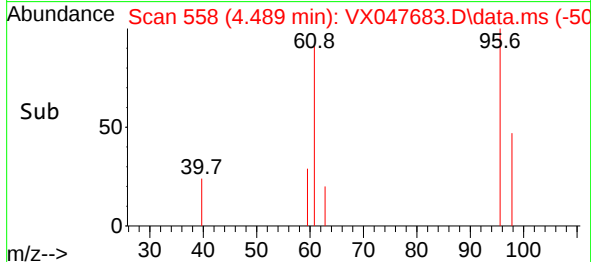
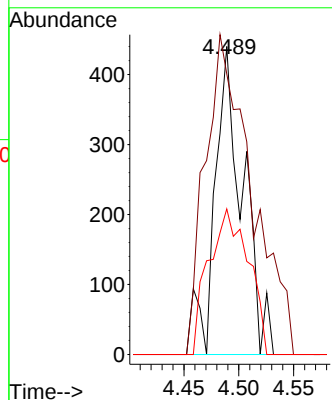
Tgt Ion: 96 Resp: 795

Ion Ratio Lower Upper

96 100

61 169.4 0.0 303.2

98 66.2 0.0 127.8



#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.030 min

Lab File: VX047683.D

Acq: 19 Sep 2025 17:40

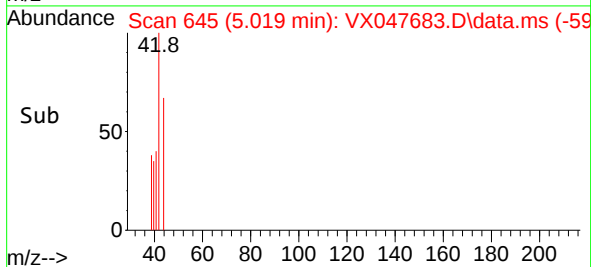
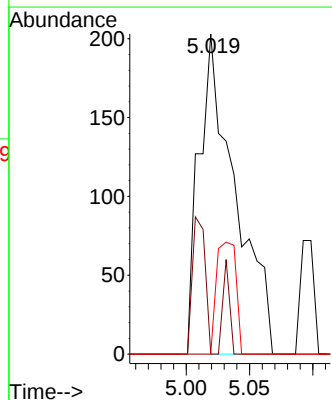
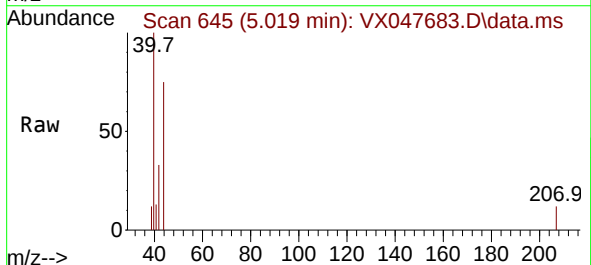
Tgt Ion: 42 Resp: 403

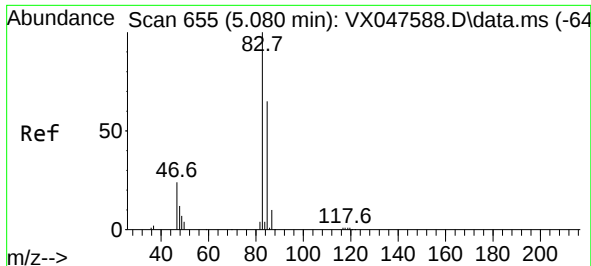
Ion Ratio Lower Upper

42 100

72 5.5 34.2 51.2#

71 18.9 31.9 47.9#

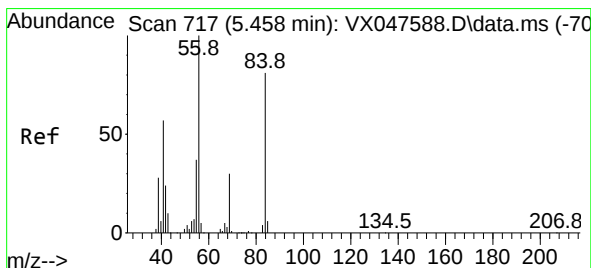
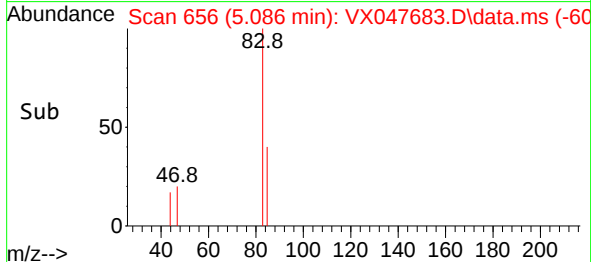
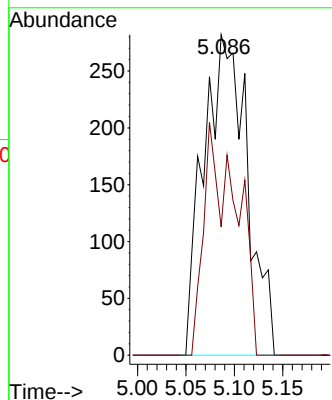
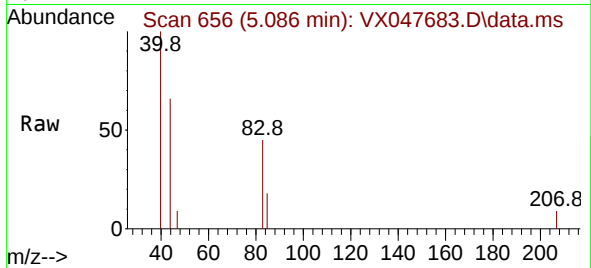




#30
Chloroform
Concen: 0.201 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

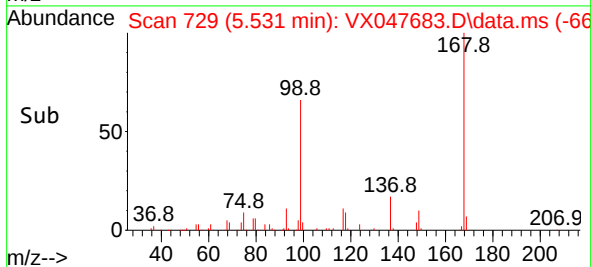
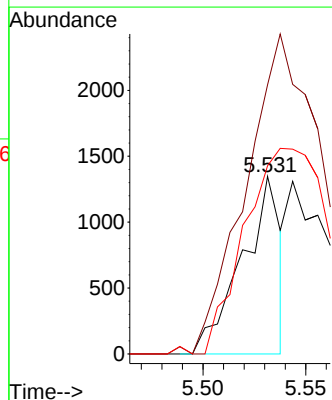
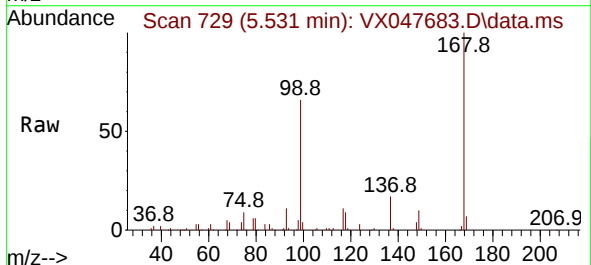
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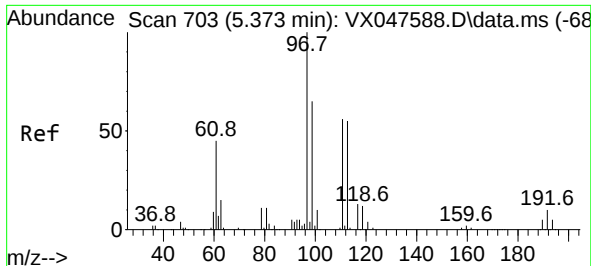
Tgt Ion: 83 Resp: 882
Ion Ratio Lower Upper
83 100
85 40.1 51.8 77.6#



#31
Cyclohexane
Concen: 0.485 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 56 Resp: 1751
Ion Ratio Lower Upper
56 100
69 147.5 23.8 35.8#
84 101.8 64.6 97.0#





#32

1,1,1-Trichloroethane

Concen: 0.383 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX047683.D

Acq: 19 Sep 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20250911

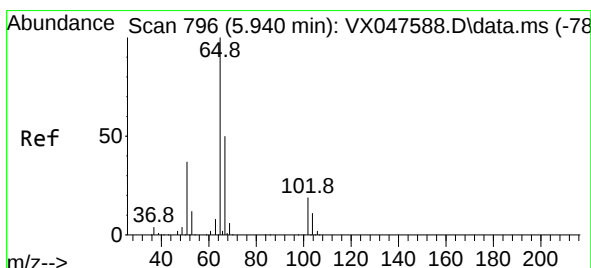
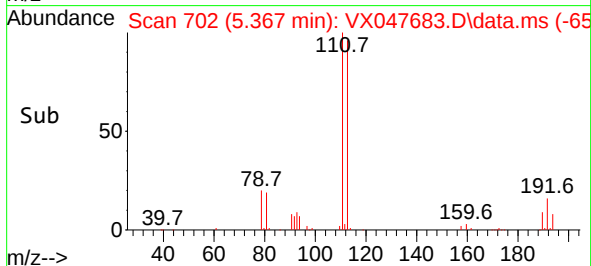
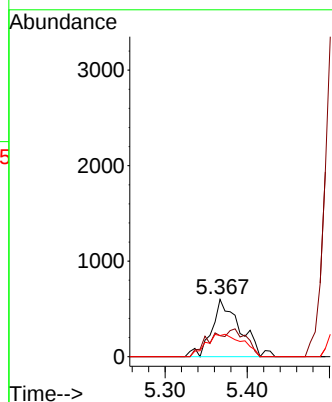
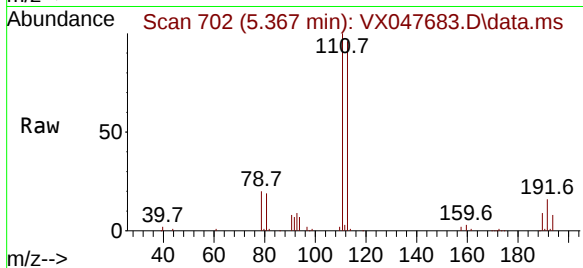
Tgt Ion: 97 Resp: 1423

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 50.9 35.8 53.8



#33

1,2-Dichloroethane-d4

Concen: 56.405 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047683.D

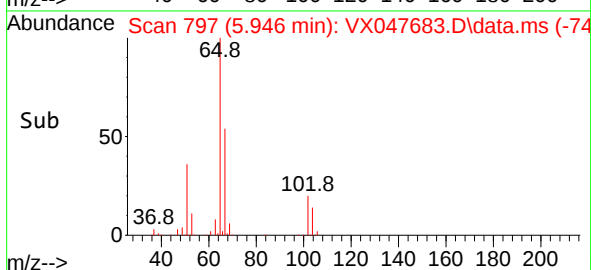
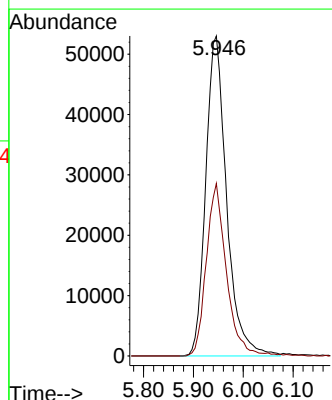
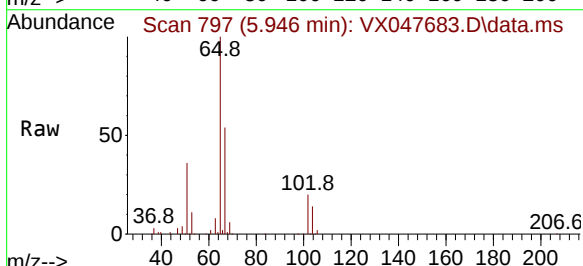
Acq: 19 Sep 2025 17:40

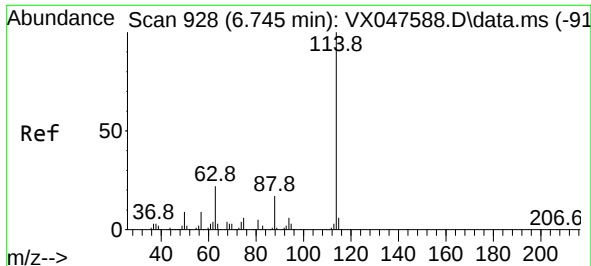
Tgt Ion: 65 Resp: 154083

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0

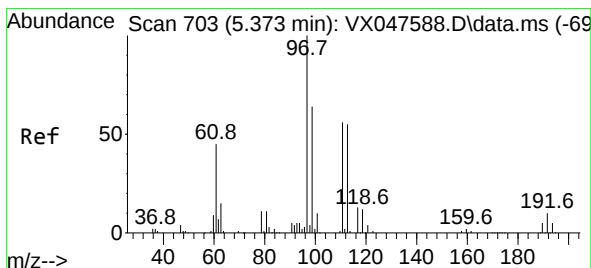
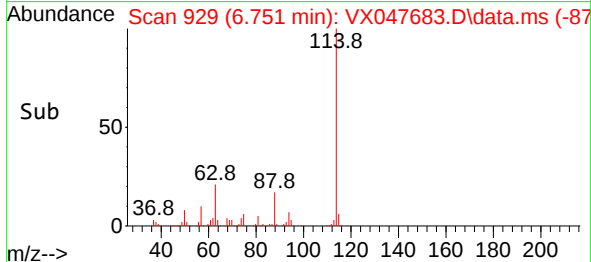
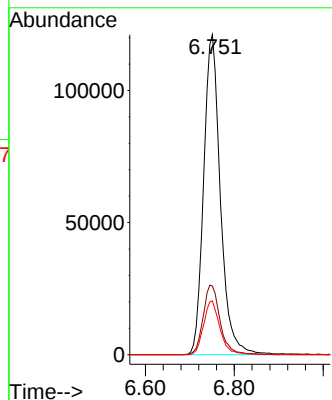
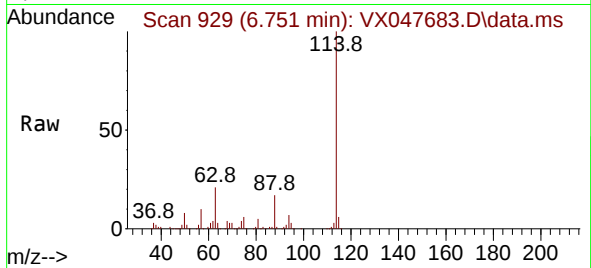




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

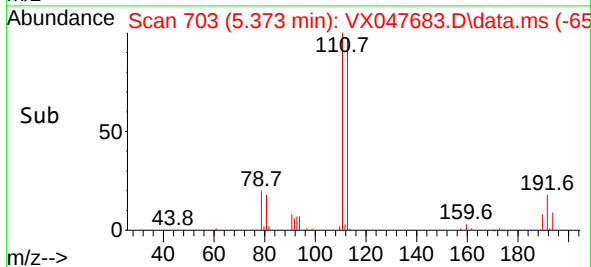
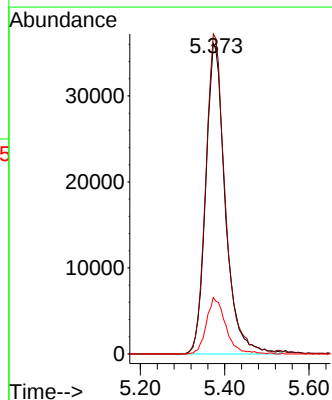
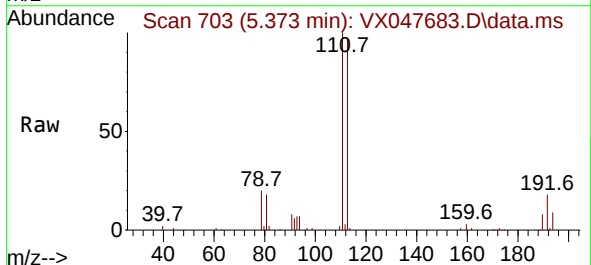
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

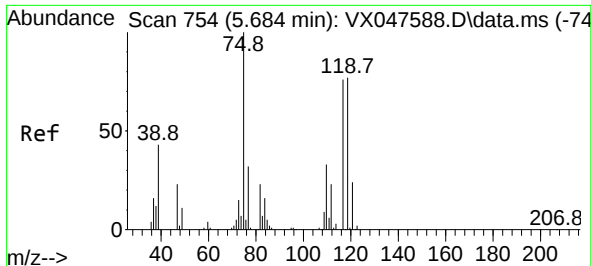
Tgt Ion:114 Resp: 317965
Ion Ratio Lower Upper
114 100
63 21.4 0.0 44.0
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 54.534 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion:113 Resp: 116291
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 17.9 14.2 21.4

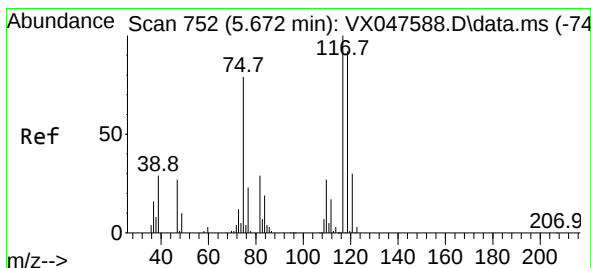
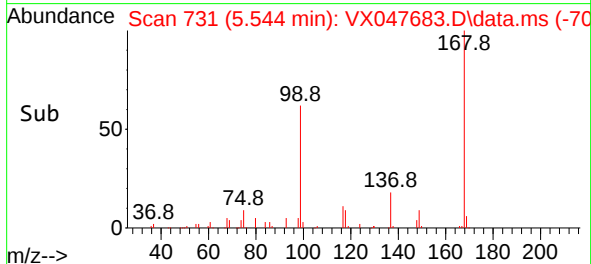
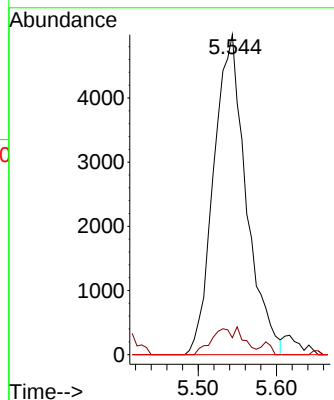
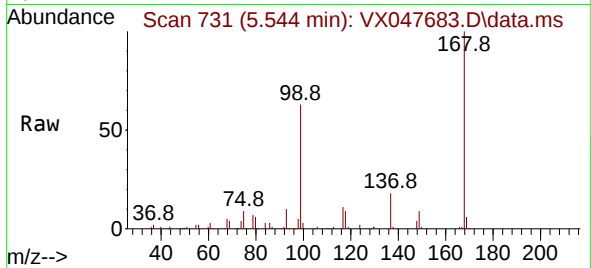




#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

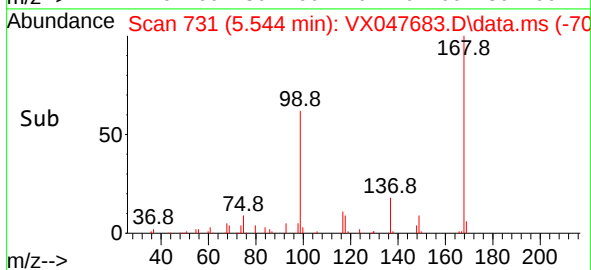
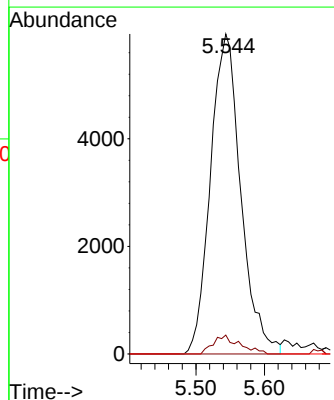
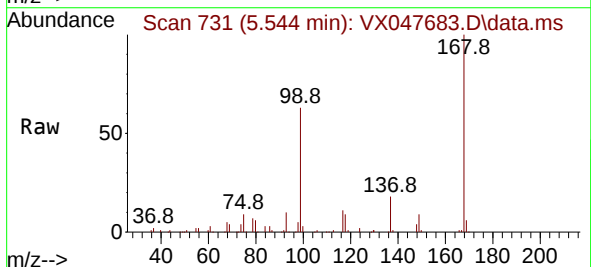
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

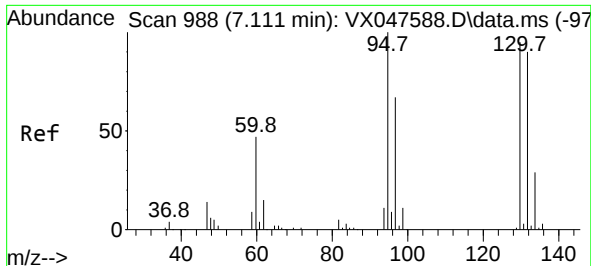
Tgt Ion: 75 Resp: 14344
Ion Ratio Lower Upper
75 100
110 8.0 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.393 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 117 Resp: 18260
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 23.8 35.6#

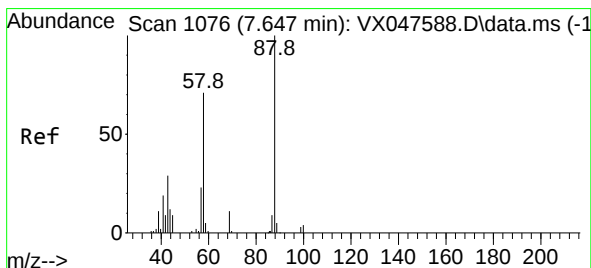
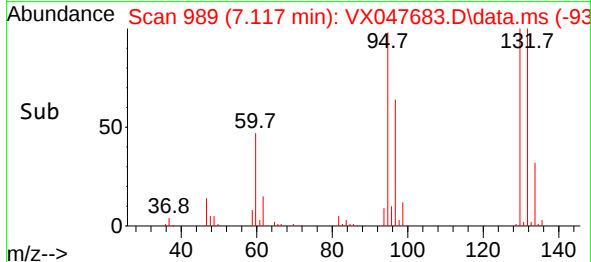
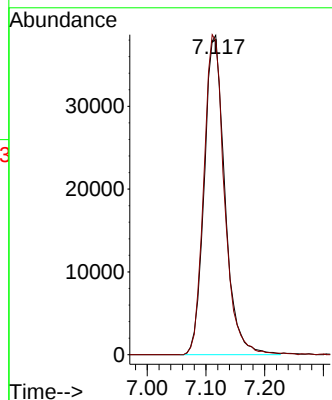
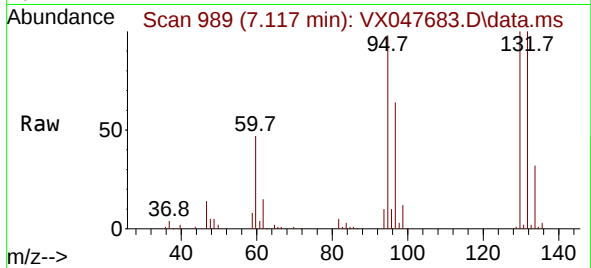




#44
Trichloroethene
Concen: 41.061 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

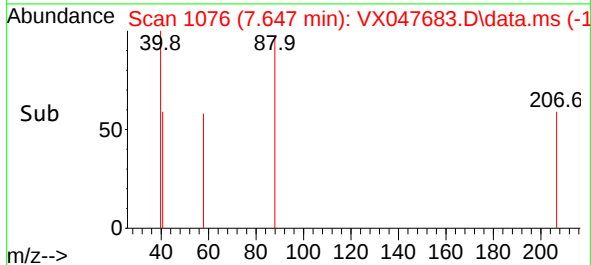
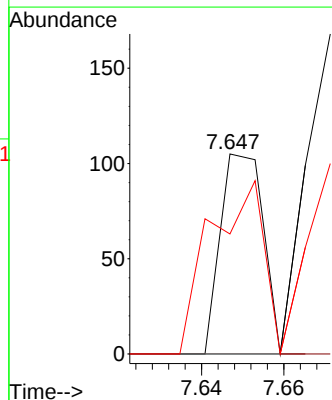
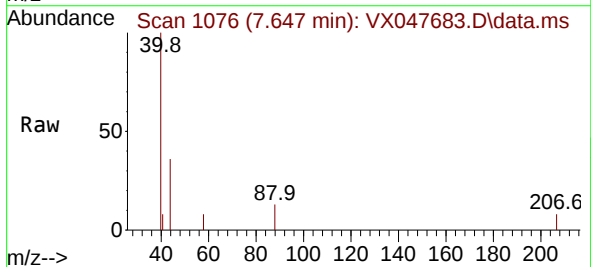
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

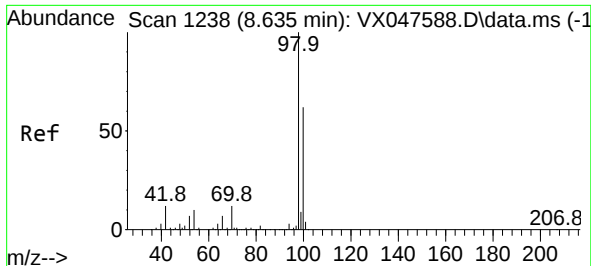
Tgt Ion:130 Resp: 93951
Ion Ratio Lower Upper
130 100
95 98.2 0.0 210.8



#49
1,4-Dioxane
Concen: 2.759 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 107.9 59.5 89.3#

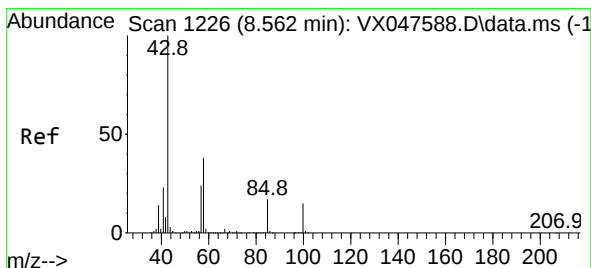
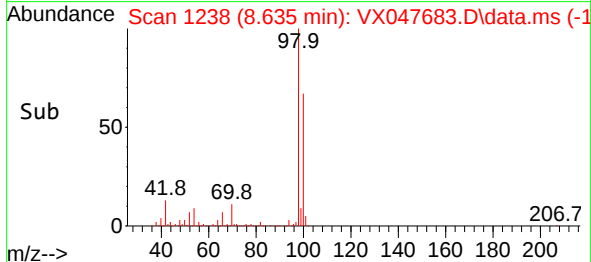
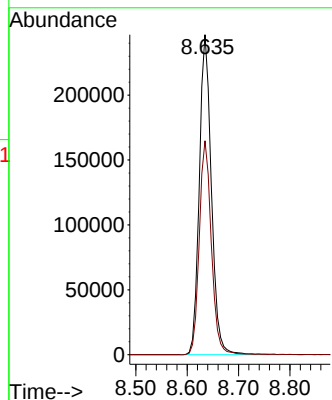
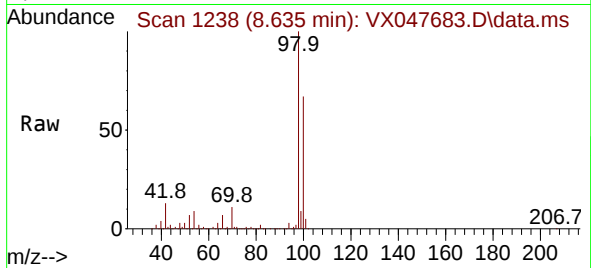




#50
Toluene-d8
Concen: 54.415 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

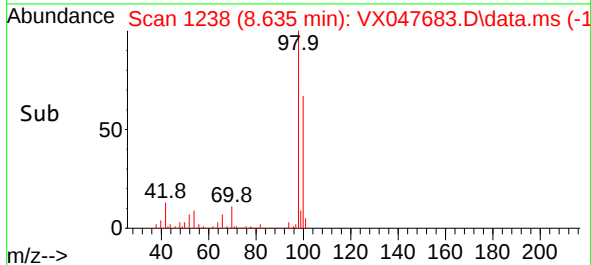
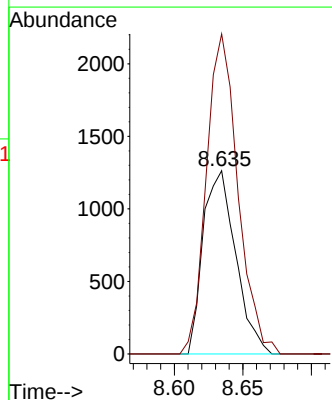
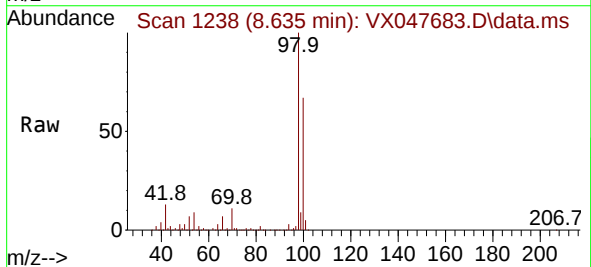
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

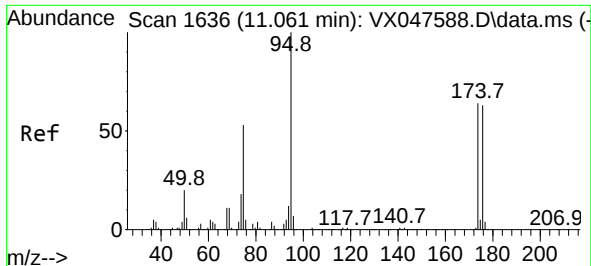
Tgt Ion: 98 Resp: 401515
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.688 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Tgt Ion: 43 Resp: 2088
Ion Ratio Lower Upper
43 100
58 168.9 30.3 45.5#

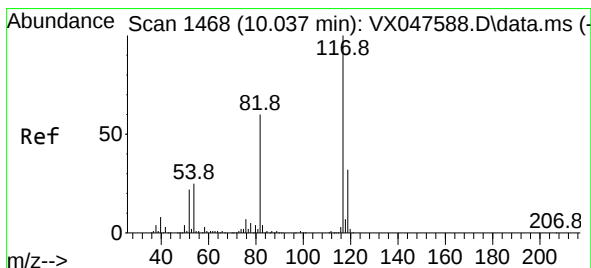
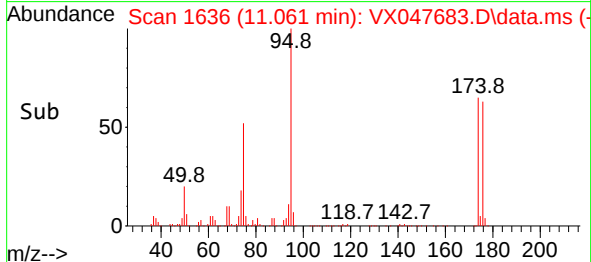
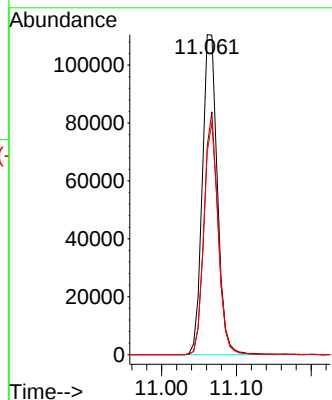
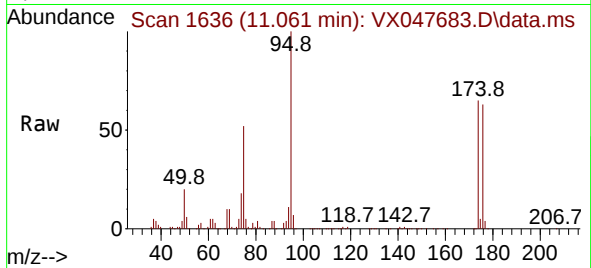




#62
4-Bromofluorobenzene
Concen: 55.117 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

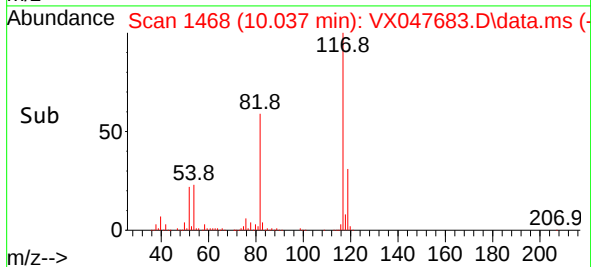
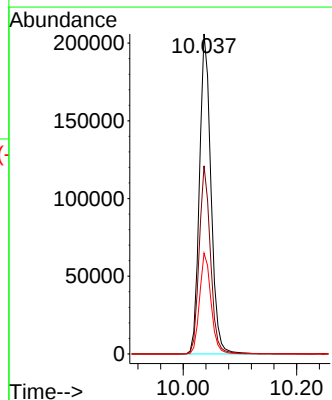
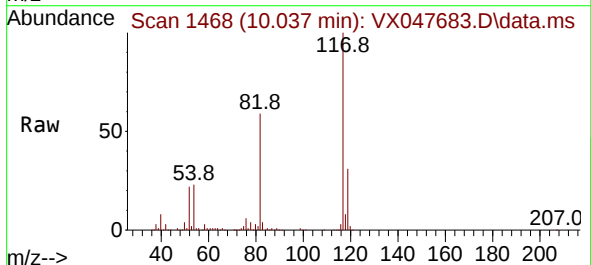
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

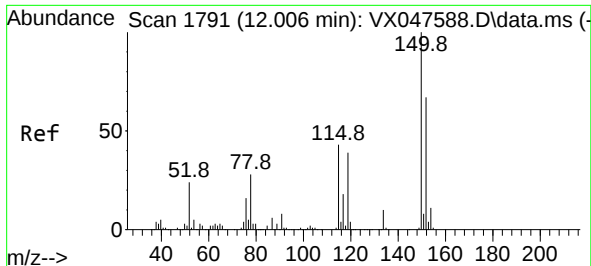
Tgt Ion: 95 Resp: 154347
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 69.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

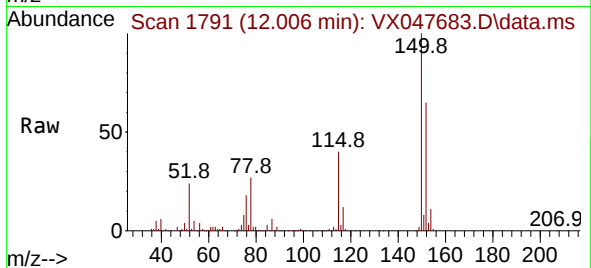
Tgt Ion: 117 Resp: 289328
Ion Ratio Lower Upper
117 100
82 58.8 47.8 71.6
119 31.5 25.2 37.8



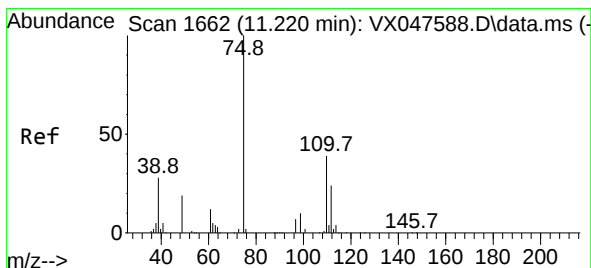
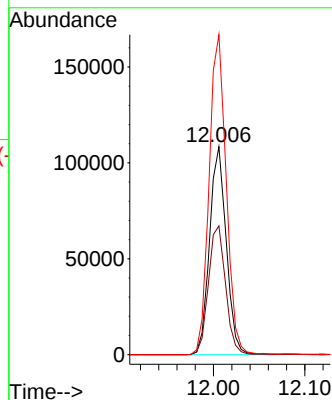
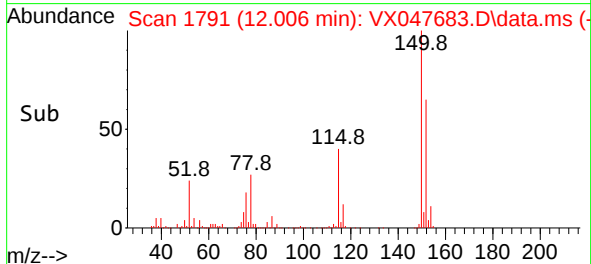


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20250911

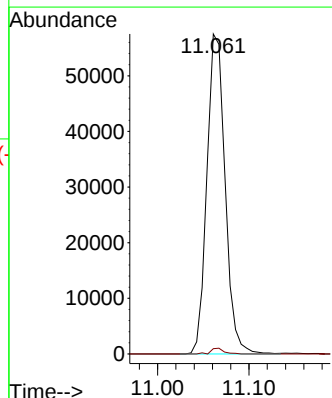
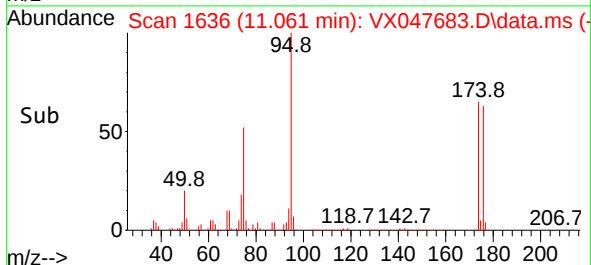
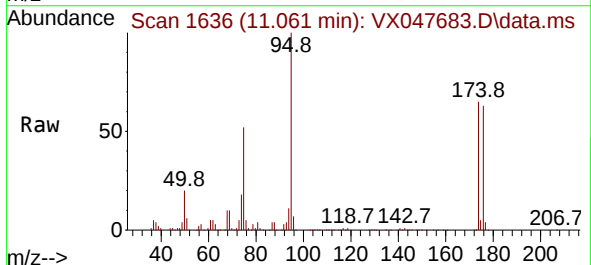


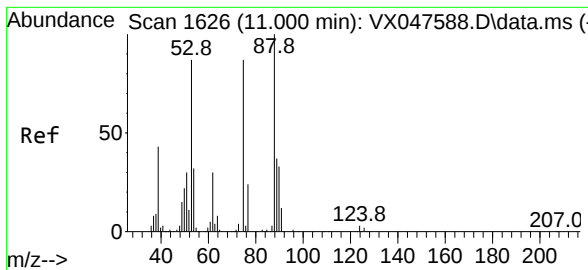
Tgt Ion:152 Resp: 137612
Ion Ratio Lower Upper
152 100
115 63.6 44.9 134.5
150 157.0 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 28.550 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047683.D
Acq: 19 Sep 2025 17:40

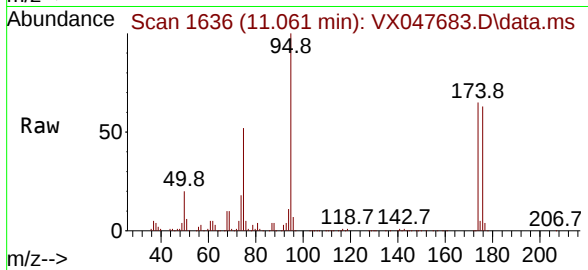
Tgt Ion: 75 Resp: 79546
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.806 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047683.D
 Acq: 19 Sep 2025 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20250911



Tgt Ion: 75 Resp: 79546
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

