

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045603.D
 Acq On : 04 Apr 2025 16:42
 Operator : JC/MD
 Sample : PB167448ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#02

Quant Time: Apr 04 23:13:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	62613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62443	54.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.060%			
35) Dibromofluoromethane	5.379	113	45031	50.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.647	98	161434	51.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	11.079	95	57704	50.446	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.900%			
Target Compounds					Qvalue	
6) Chloroethane	1.636	64	135	0.289	ug/l #	42
11) Tert butyl alcohol	2.940	59	2377	15.447	ug/l #	72
14) Allyl chloride	2.648	41	294	0.206	ug/l #	21
16) Acetone	2.386	43	40578	86.303	ug/l	97
18) Methyl Acetate	2.703	43	2603	2.405	ug/l #	82
20) Methylene Chloride	2.782	84	27153	30.847	ug/l	92
25) 2-Butanone	4.587	43	4670	6.785	ug/l	98
29) Tetrahydrofuran	5.044	42	210	0.471	ug/l #	42
31) Cyclohexane	5.550	56	2102	1.497	ug/l #	37
36) 1,1-Dichloropropene	5.538	75	6390	5.260	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7574	5.769	ug/l #	17
43) Isopropyl Acetate	6.354	43	7971	3.435	ug/l	95
48) Methyl methacrylate	7.793	41	42748	35.683	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	35079	22.806	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	203	2.431	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13191	9.891	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1389	0.892	ug/l #	42
59) 2-Hexanone	9.378	43	9040	7.937	ug/l #	28
74) N-amyl acetate	10.781	43	1267	0.688	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	34387	29.327	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34387	99.532	ug/l #	1

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

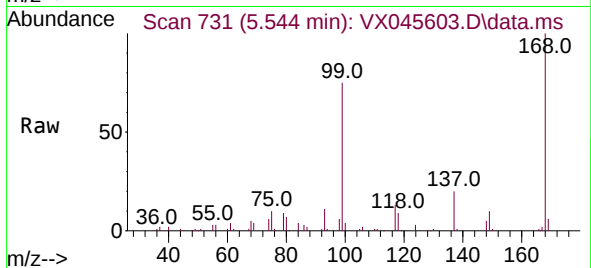
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



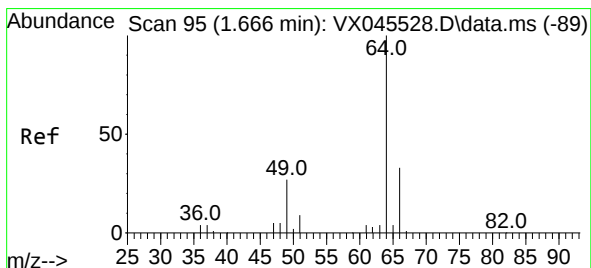
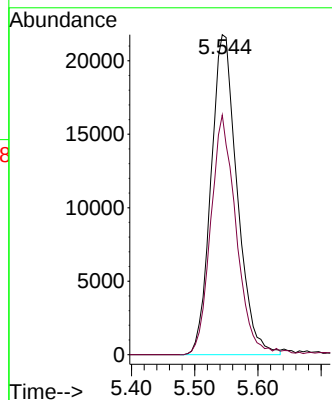
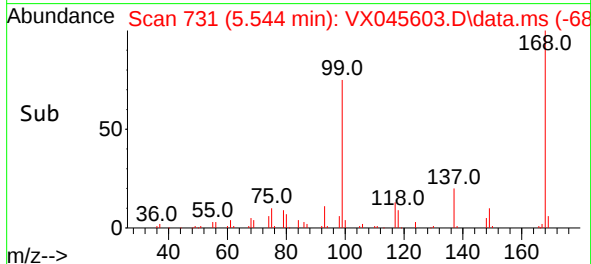


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

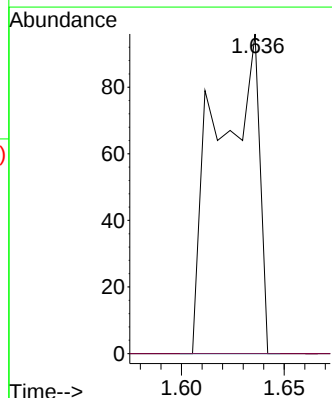
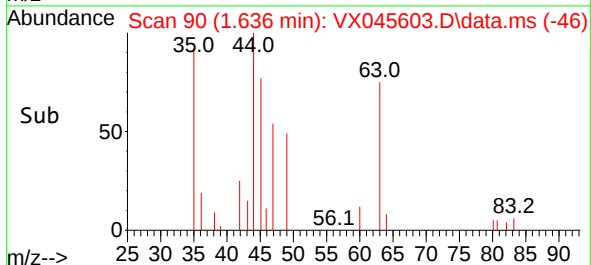
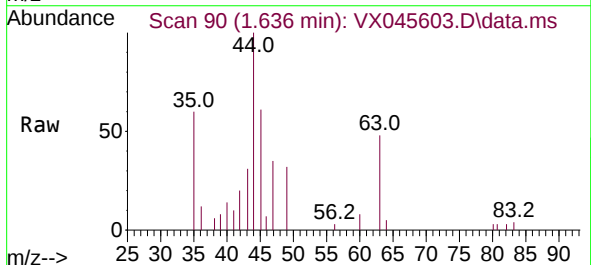


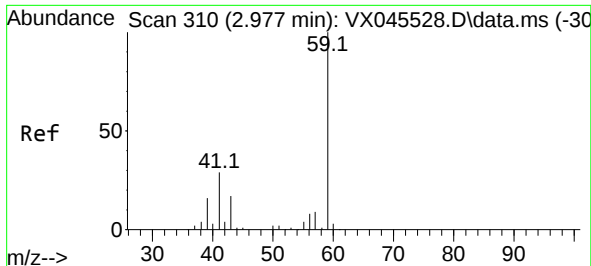
Tgt Ion:168 Resp: 62613
Ion Ratio Lower Upper
168 100
99 74.9 52.3 78.5



#6
Chloroethane
Concen: 0.289 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.030 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

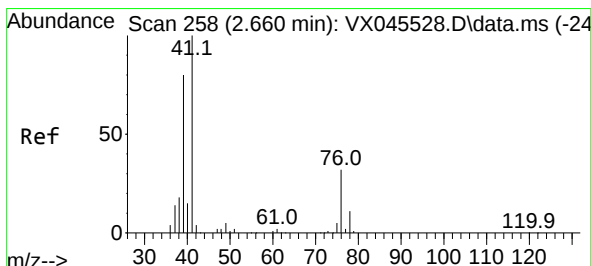
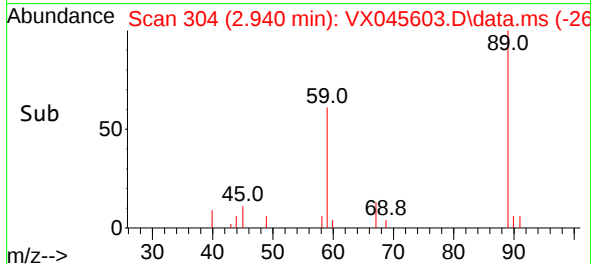
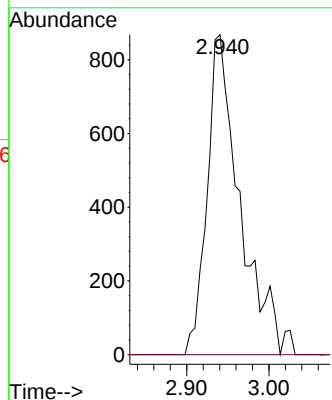
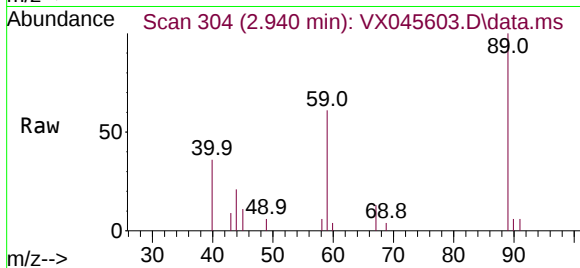




#11
Tert butyl alcohol
Concen: 15.447 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

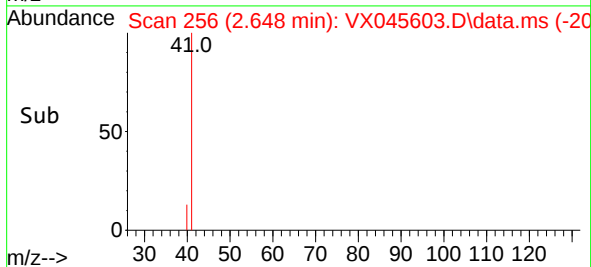
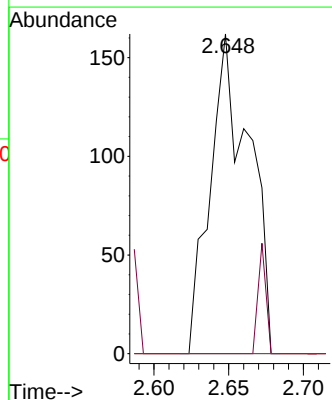
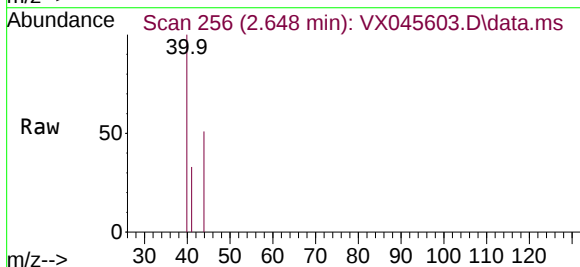
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

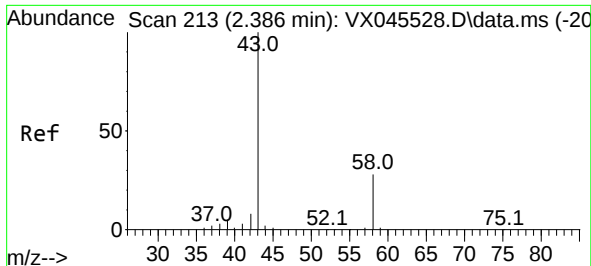
Tgt Ion: 59 Resp: 2377
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.206 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 41 Resp: 294
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.2#
76 0.0 24.6 36.8#

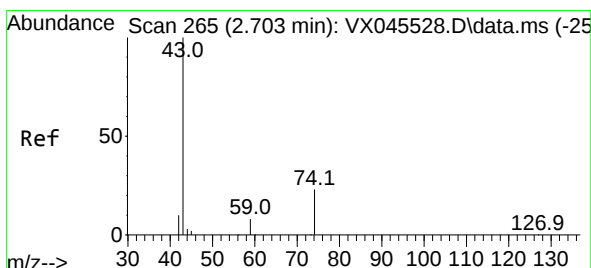
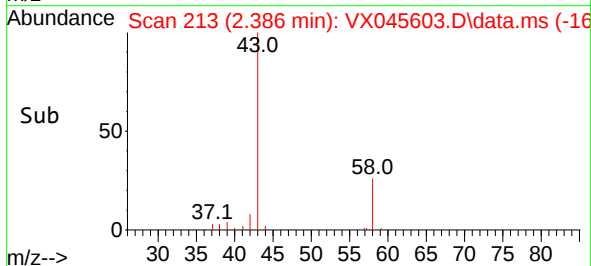
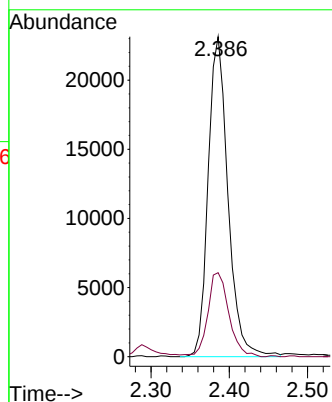
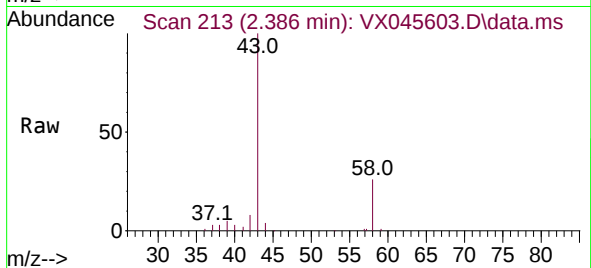




#16
Acetone
Concen: 86.303 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

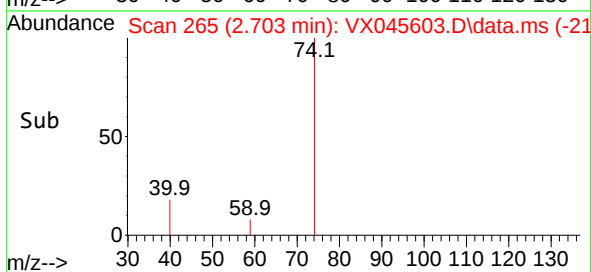
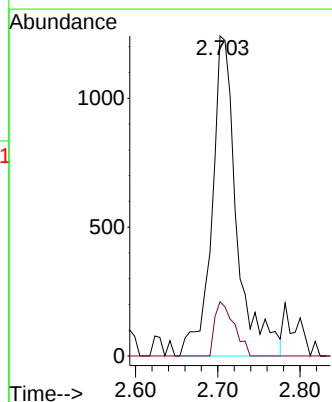
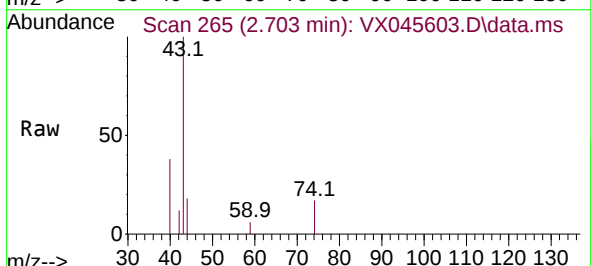
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

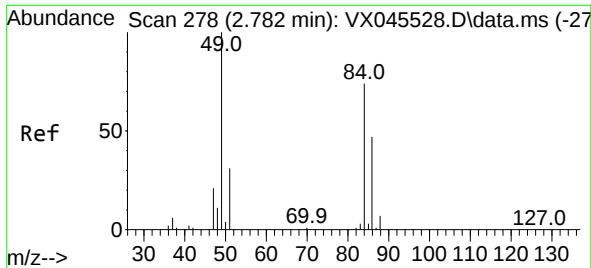
Tgt Ion: 43 Resp: 40578
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
74 13.2 17.5 26.3#

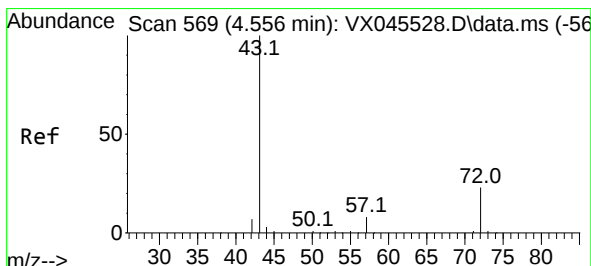
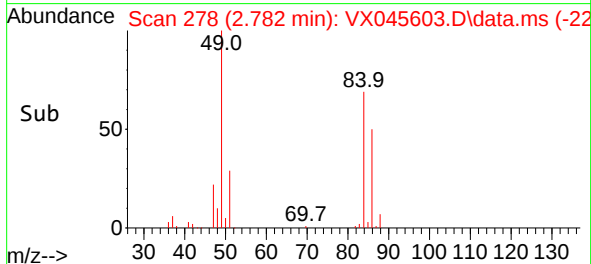
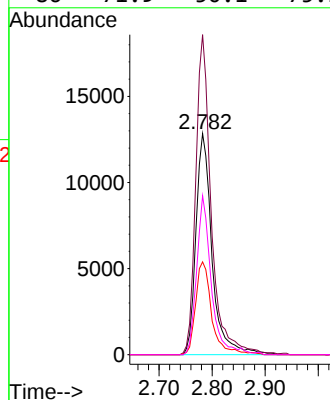
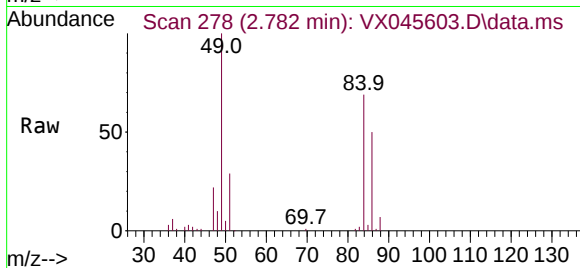




#20
Methylene Chloride
Concen: 30.847 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

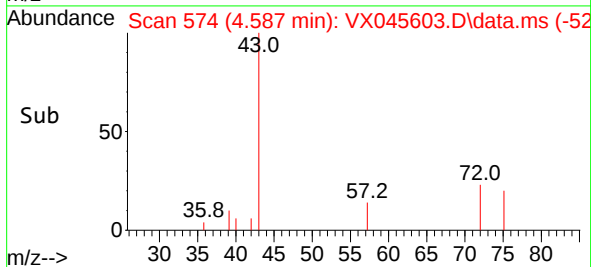
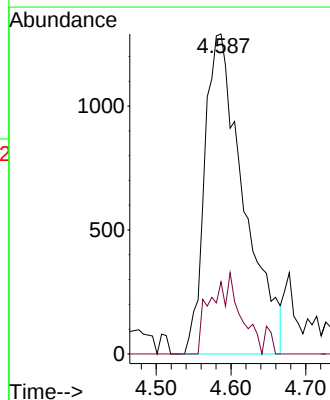
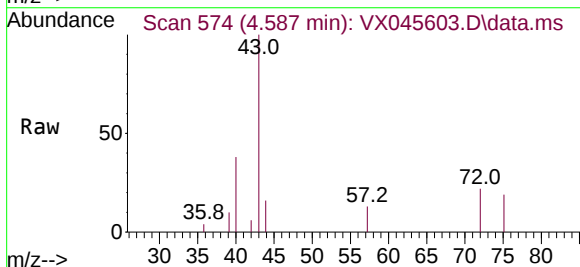
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

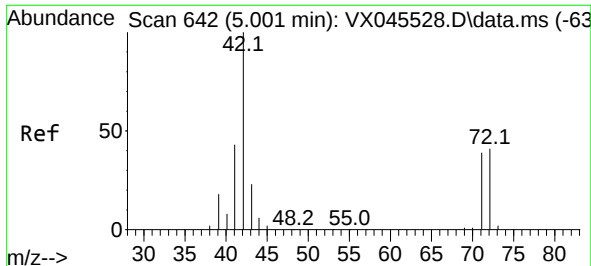
Tgt Ion:	84	Resp:	27153
Ion	Ratio	Lower	Upper
84	100		
49	144.7	107.5	161.3
51	42.0	33.0	49.6
86	71.9	50.1	75.1



#25
2-Butanone
Concen: 6.785 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion:	43	Resp:	4670
Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.471 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX045603.D

Acq: 04 Apr 2025 16:42

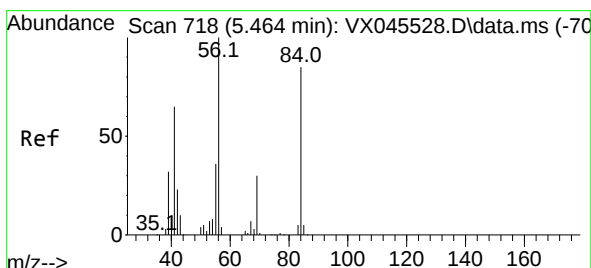
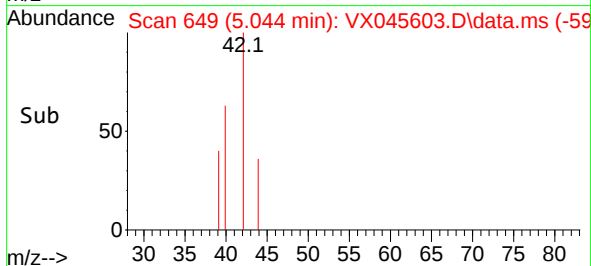
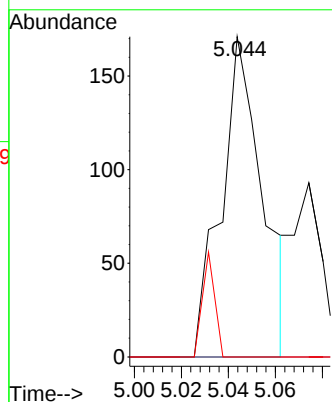
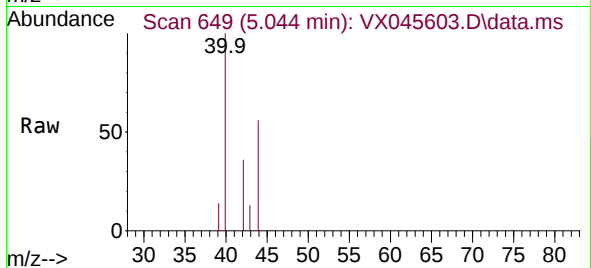
Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#02

Tgt Ion:	42	Resp:	210
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	9.5	31.4	47.0#



#31

Cyclohexane

Concen: 1.497 ug/l

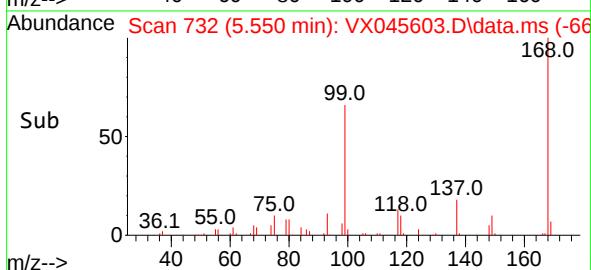
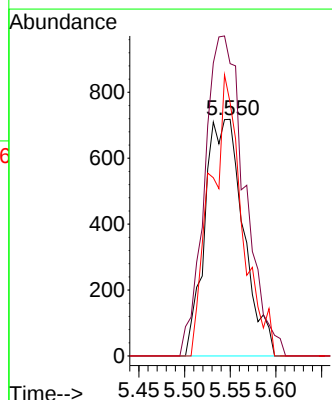
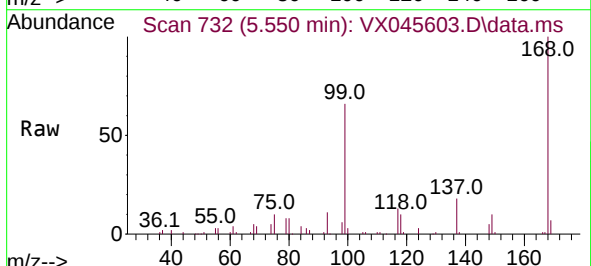
RT: 5.550 min Scan# 732

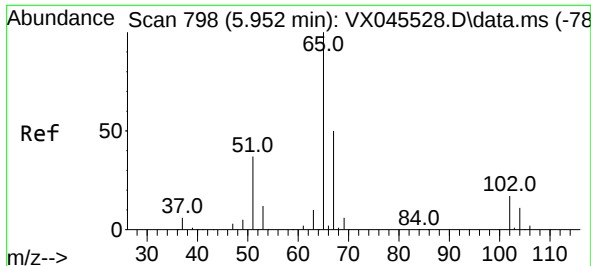
Delta R.T. 0.085 min

Lab File: VX045603.D

Acq: 04 Apr 2025 16:42

Tgt Ion:	56	Resp:	2102
Ion	Ratio	Lower	Upper
56	100		
69	123.5	23.6	35.4#
84	107.0	67.7	101.5#

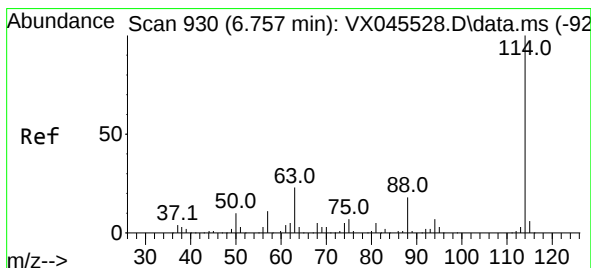
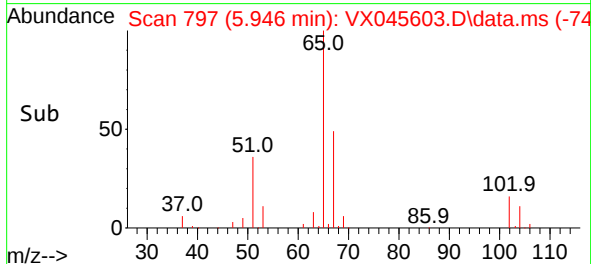
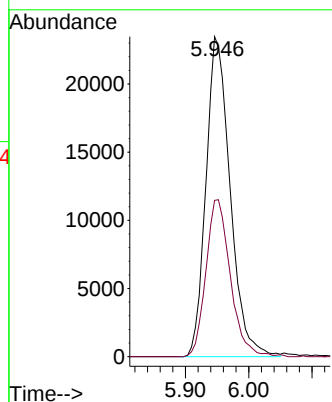
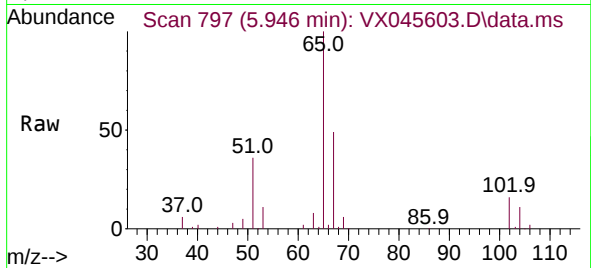




#33
 1,2-Dichloroethane-d4
 Concen: 54.534 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX045603.D
 Acq: 04 Apr 2025 16:42

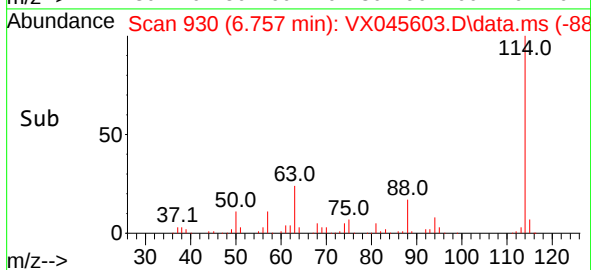
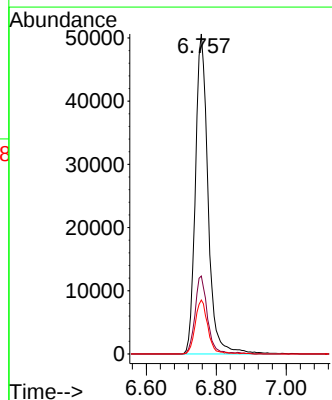
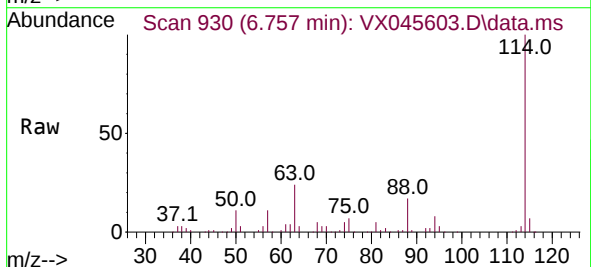
Instrument :
 MSVOA_X
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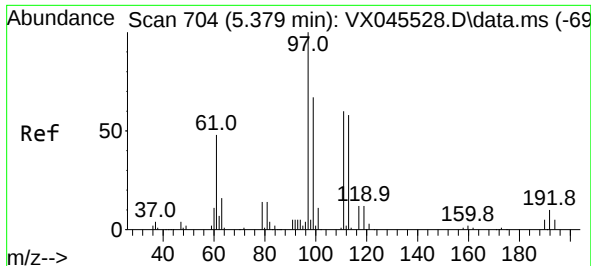
Tgt Ion: 65 Resp: 62443
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045603.D
 Acq: 04 Apr 2025 16:42

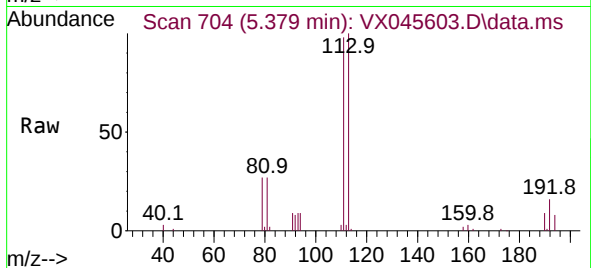
Tgt Ion: 114 Resp: 126809
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 46.8
 88 16.8 0.0 35.4



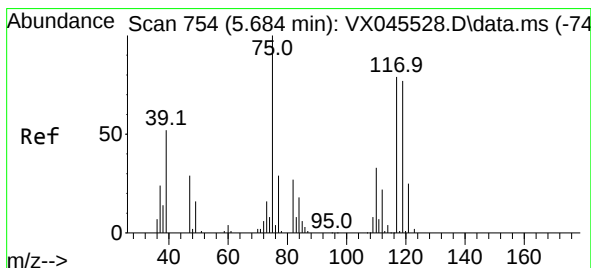
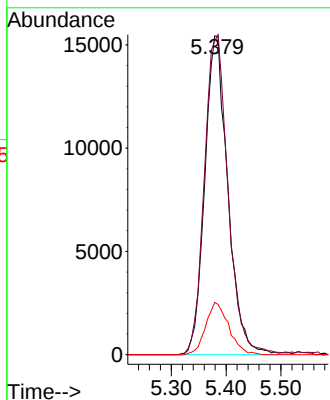
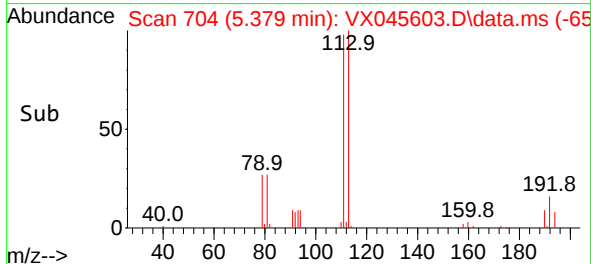


#35
Dibromofluoromethane
Concen: 50.051 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

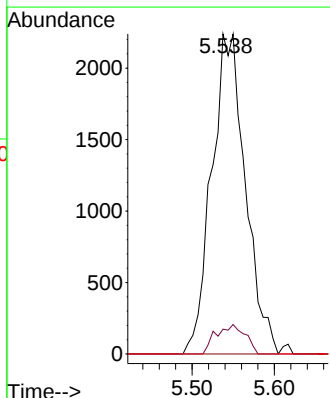
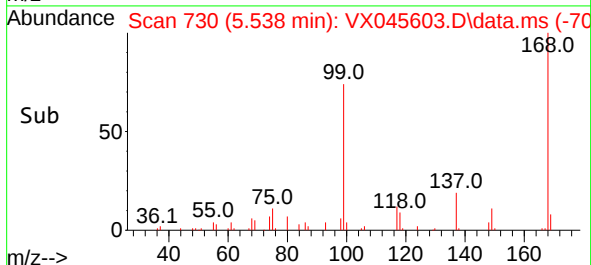
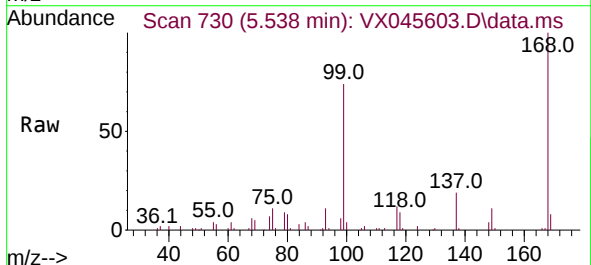


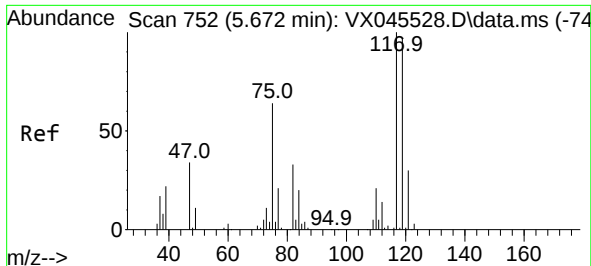
Tgt Ion:113 Resp: 45031
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.260 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

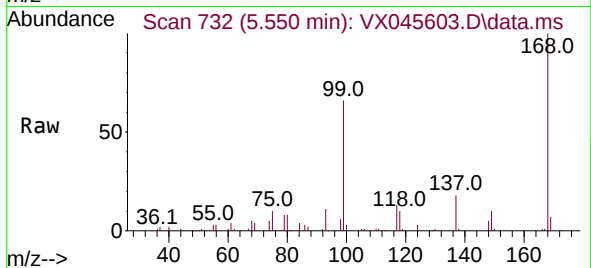
Tgt Ion: 75 Resp: 6390
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 25.0 37.4#



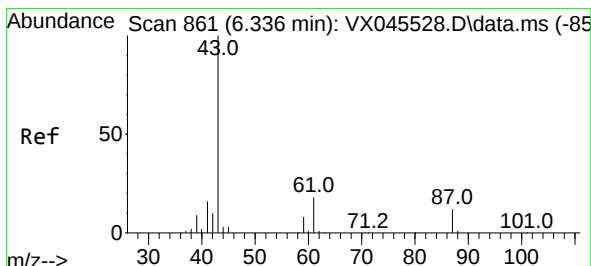
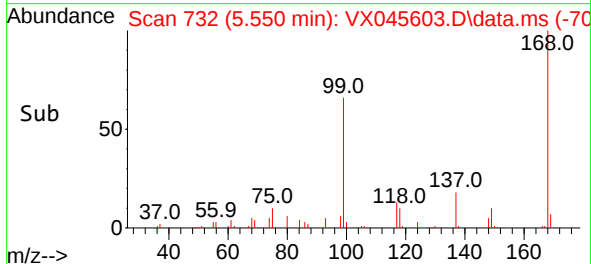
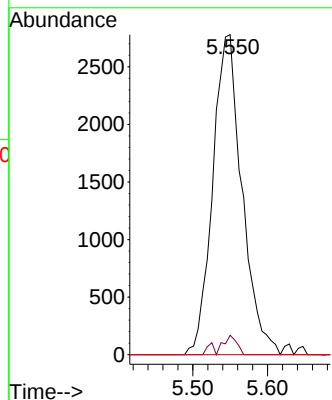


#38
Carbon Tetrachloride
Concen: 5.769 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

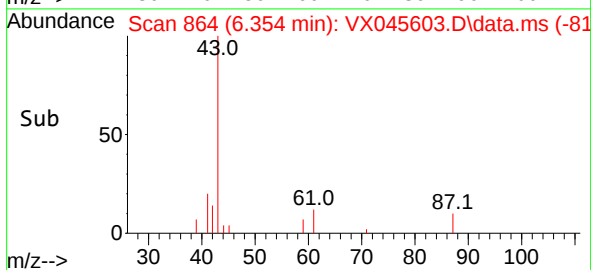
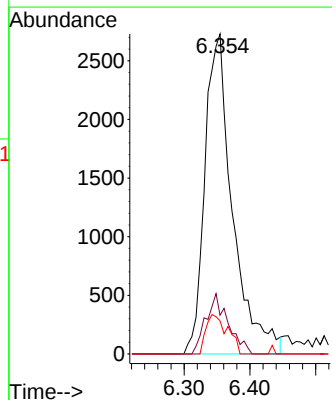
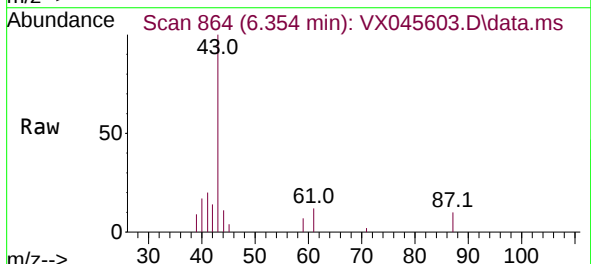


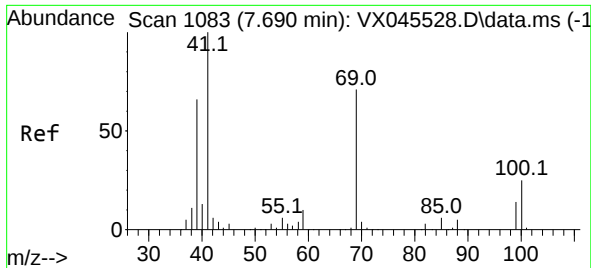
Tgt Ion:117 Resp: 7574
Ion Ratio Lower Upper
117 100
119 6.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.435 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 43 Resp: 7971
Ion Ratio Lower Upper
43 100
61 15.2 14.1 21.1
87 9.6 9.2 13.8

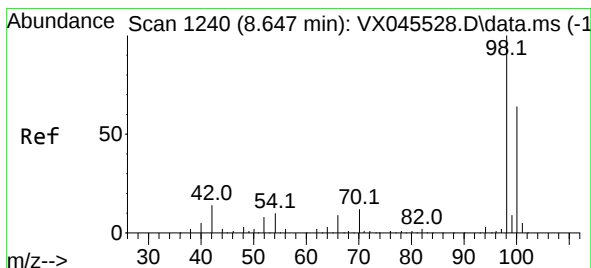
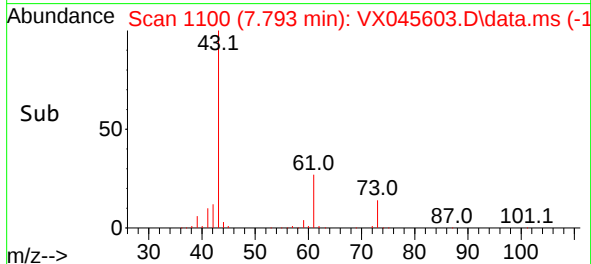
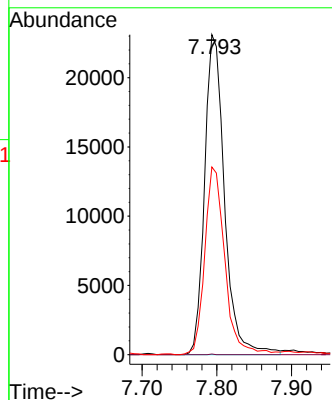
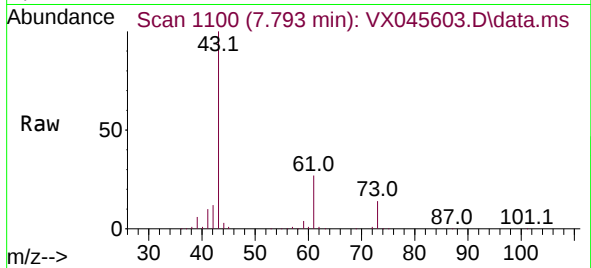




#48
Methyl methacrylate
Concen: 35.683 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

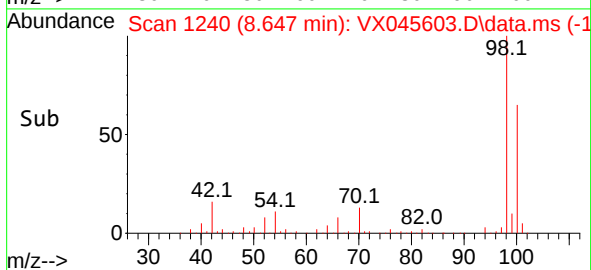
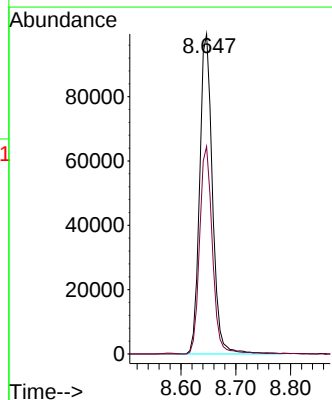
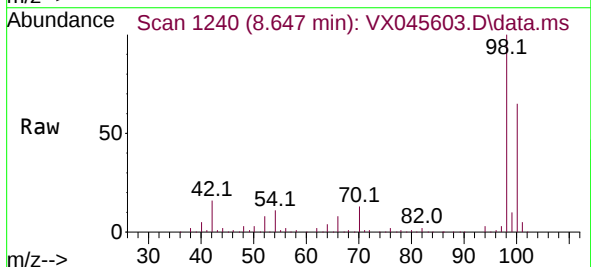
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

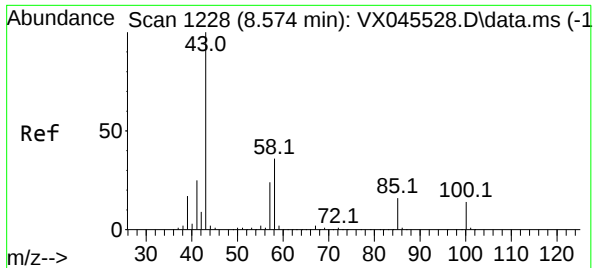
Tgt Ion: 41 Resp: 42748
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.3 53.6 80.4



#50
Toluene-d8
Concen: 51.406 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 98 Resp: 161434
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

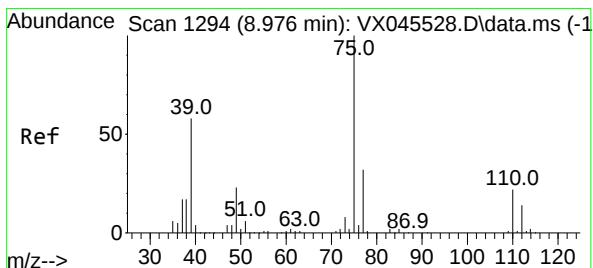
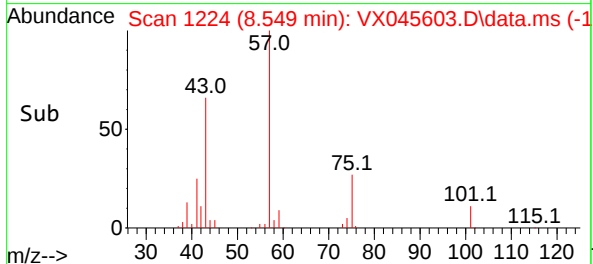
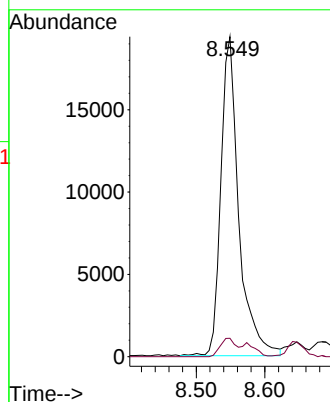
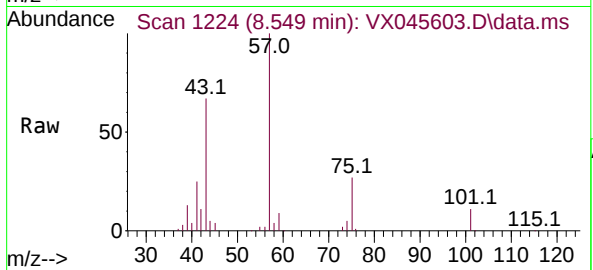




#51
4-Methyl-2-Pentanone
Concen: 22.806 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

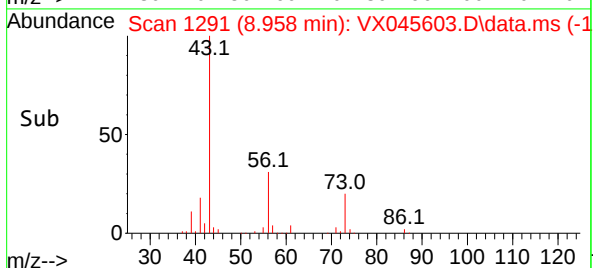
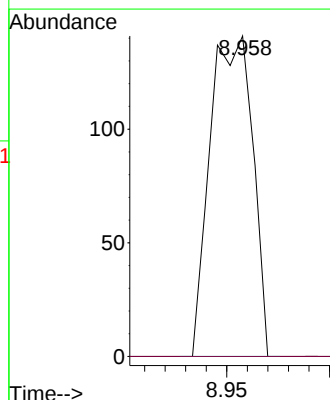
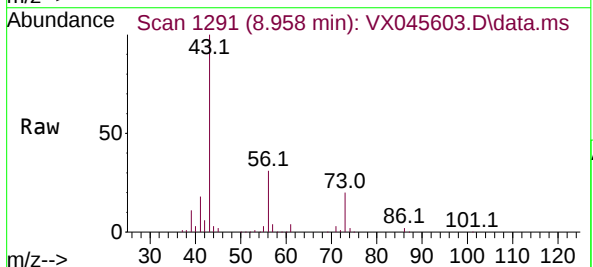
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

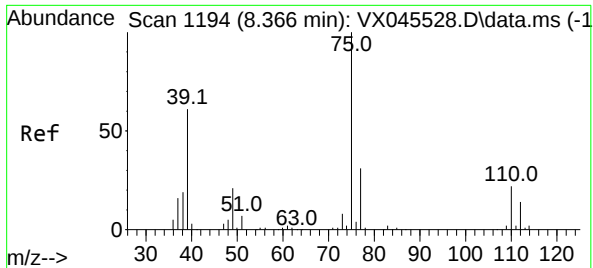
Tgt Ion: 43 Resp: 35079
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 75 Resp: 203
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

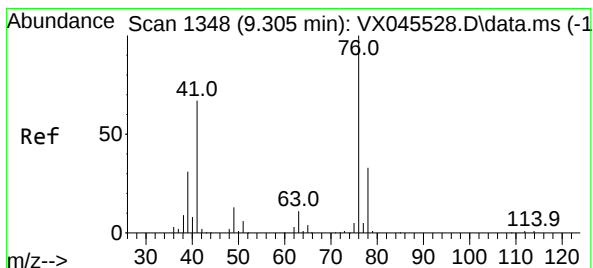
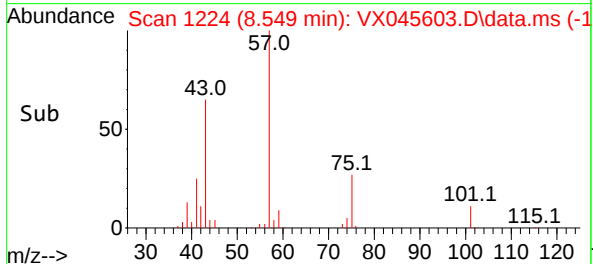
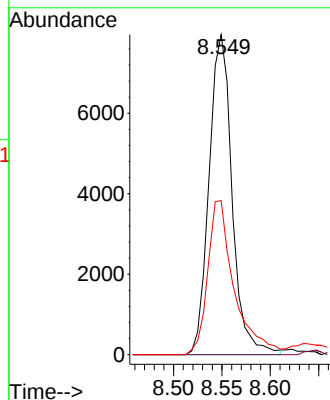
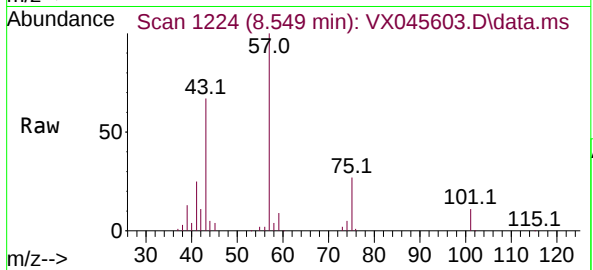




#54
 cis-1,3-Dichloropropene
 Concen: 9.891 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045603.D
 Acq: 04 Apr 2025 16:42

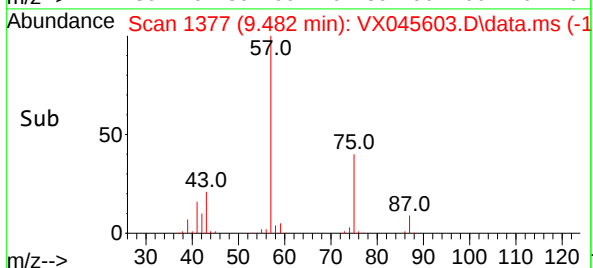
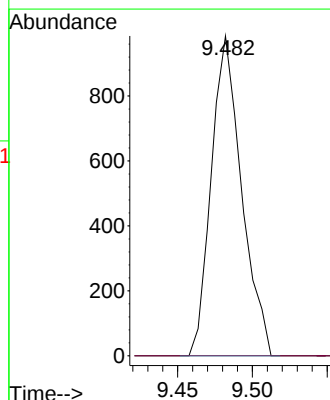
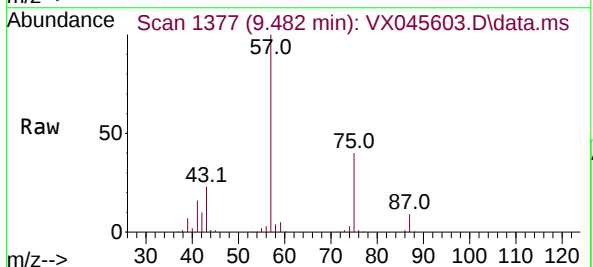
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#02

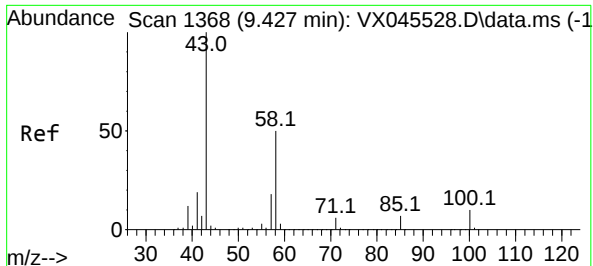
Tgt Ion: 75 Resp: 13191
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 48.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.892 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045603.D
 Acq: 04 Apr 2025 16:42

Tgt Ion: 76 Resp: 1389
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

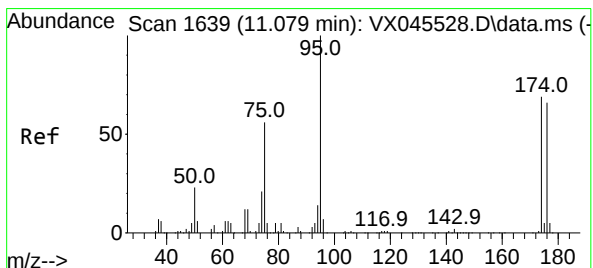
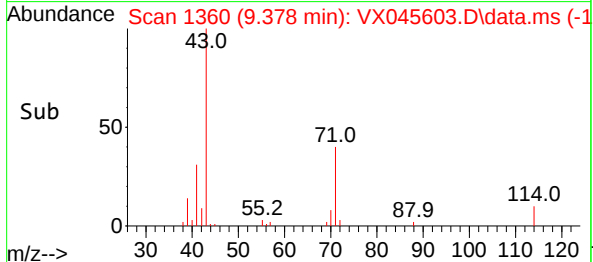
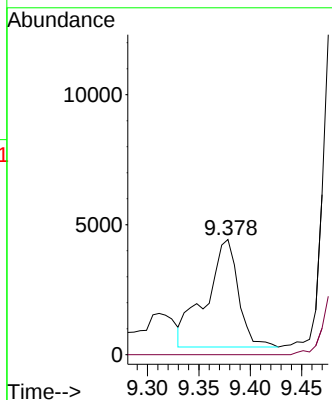
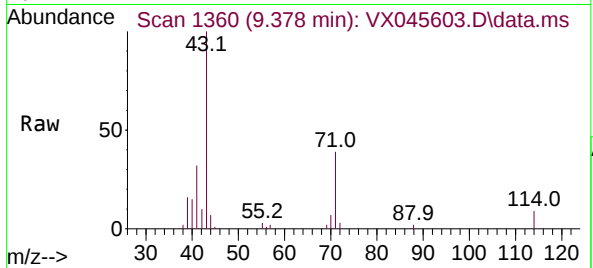




#59
2-Hexanone
Concen: 7.937 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

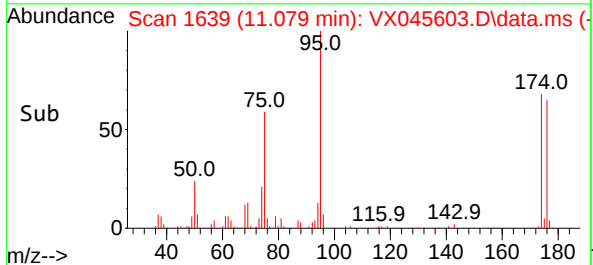
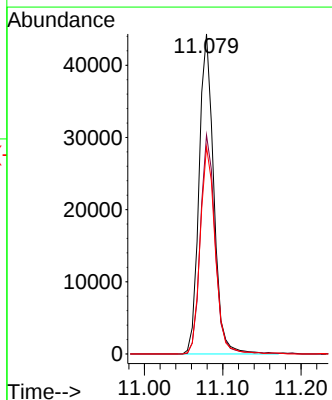
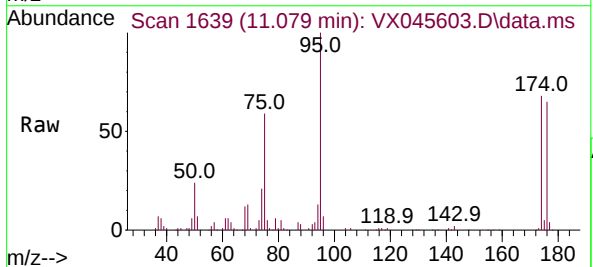
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

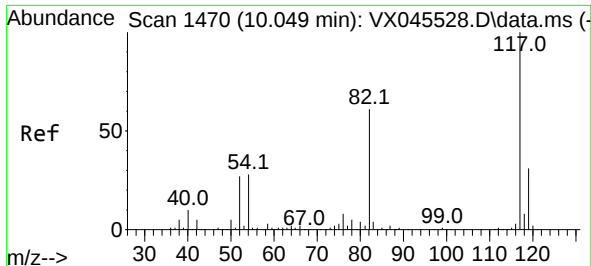
Tgt Ion: 43 Resp: 9040
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.446 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion: 95 Resp: 57704
Ion Ratio Lower Upper
95 100
174 68.7 0.0 135.8
176 65.9 0.0 131.4

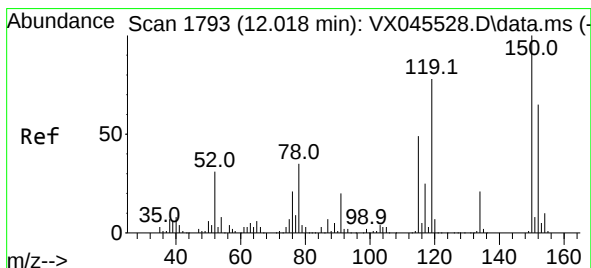
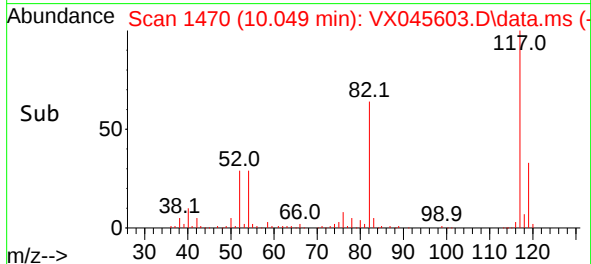
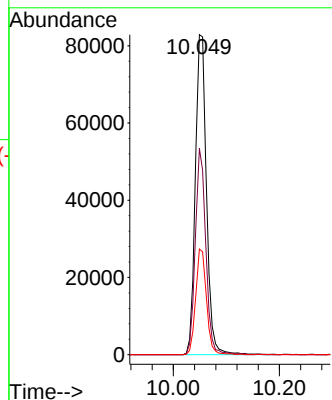
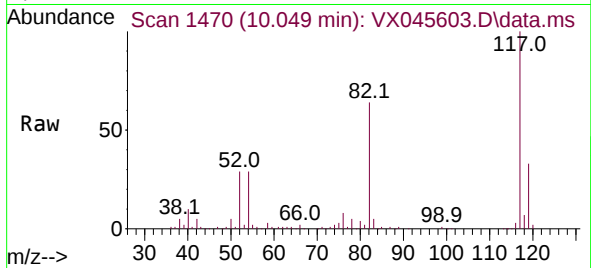




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

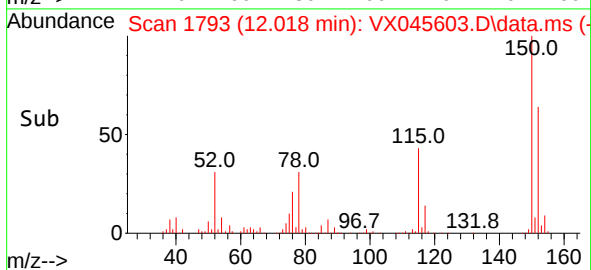
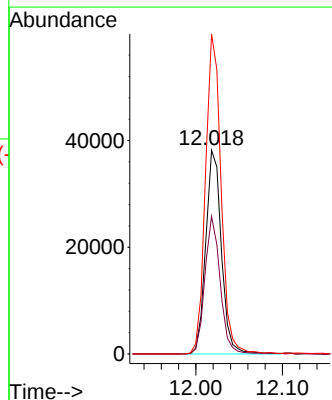
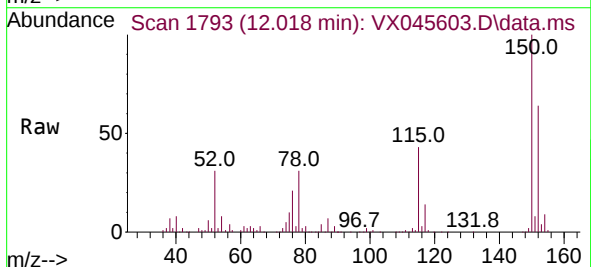
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#02

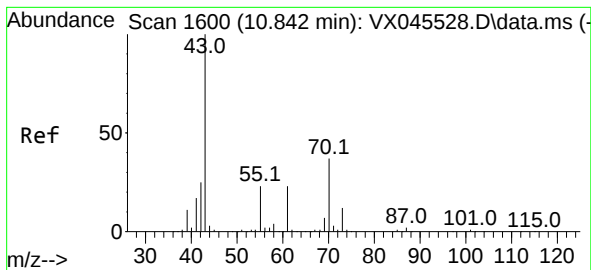
Tgt Ion:117 Resp: 120742
Ion Ratio Lower Upper
117 100
82 64.5 49.2 73.8
119 33.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045603.D
Acq: 04 Apr 2025 16:42

Tgt Ion:152 Resp: 48070
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 156.1 0.0 349.4





#74

N-amy1 acetate

Concen: 0.688 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX045603.D

Acq: 04 Apr 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#02

Tgt Ion: 43 Resp: 1267

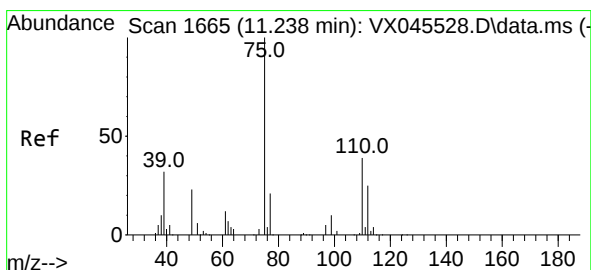
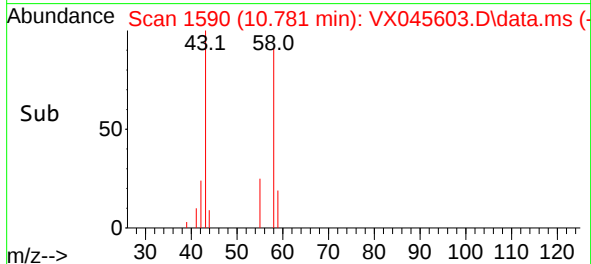
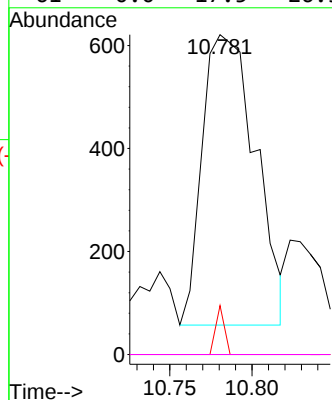
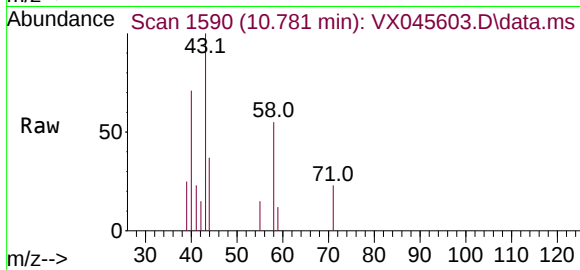
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 2.8 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 29.327 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045603.D

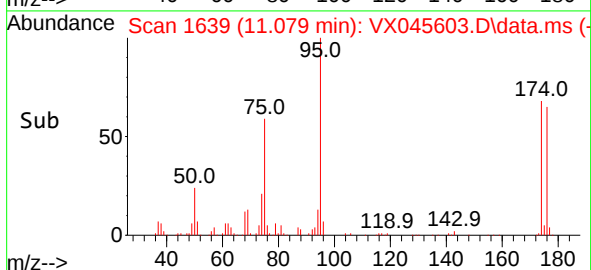
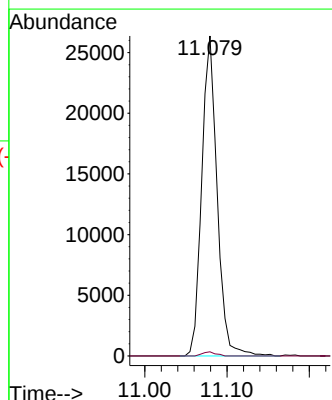
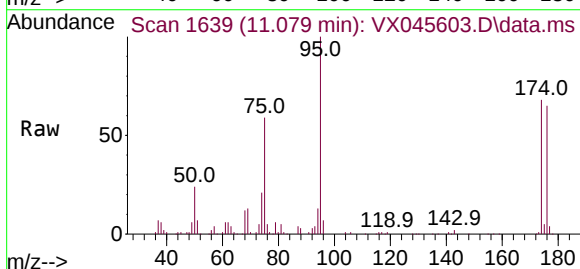
Acq: 04 Apr 2025 16:42

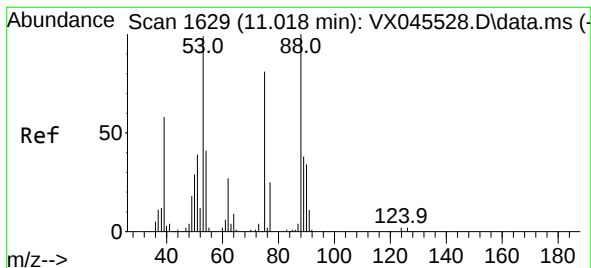
Tgt Ion: 75 Resp: 34387

Ion Ratio Lower Upper

75 100

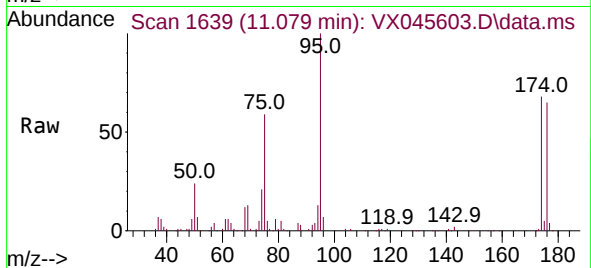
77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.532 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045603.D
 Acq: 04 Apr 2025 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#02



Tgt Ion: 75 Resp: 34387
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

