

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046591.D
 Acq On : 10 Jun 2025 11:05
 Operator : JC/MD
 Sample : Q2262-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ARS20-0032

Quant Time: Jun 11 01:44:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

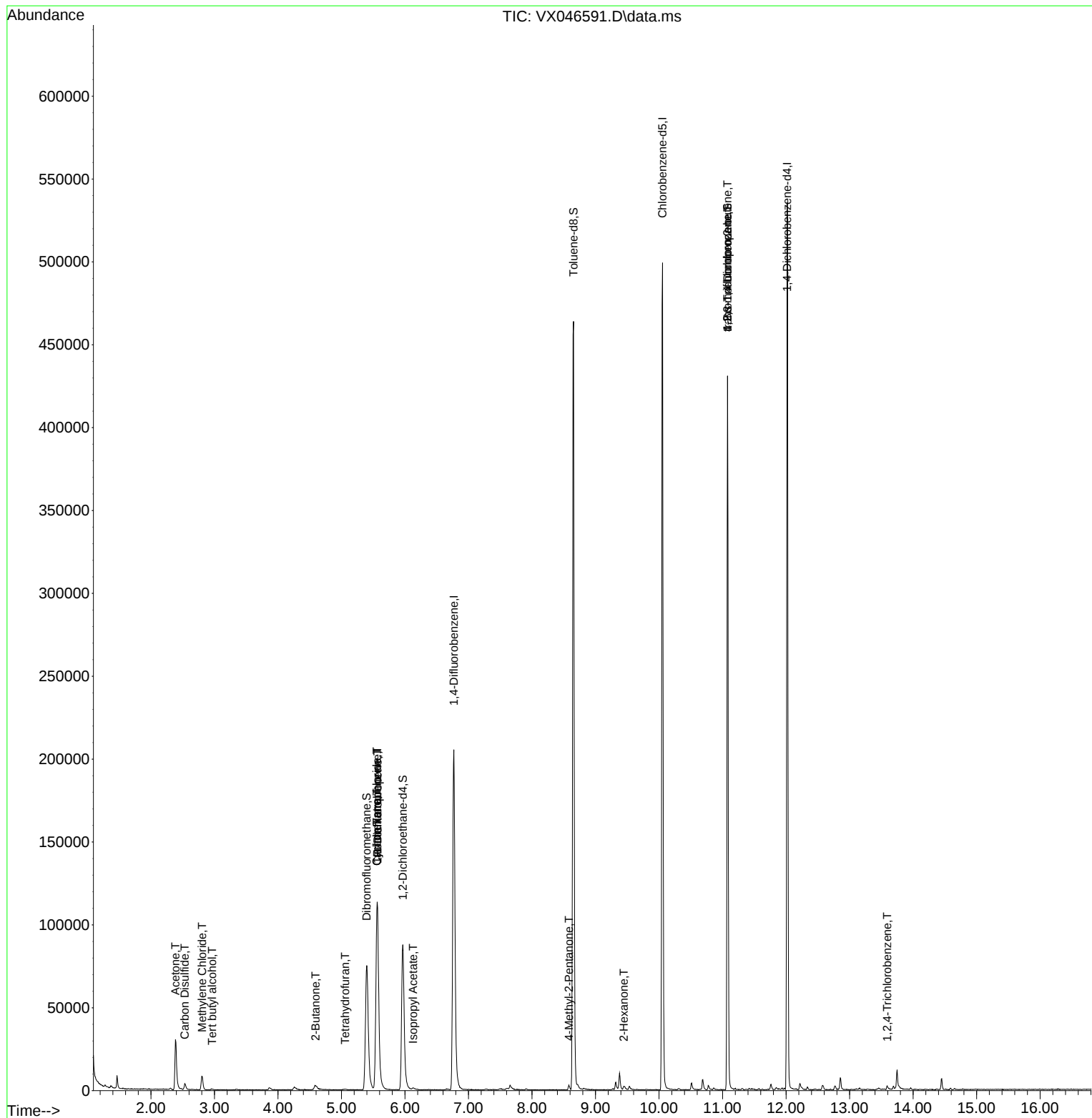
Internal Standards						
1) Pentafluorobenzene	5.562	168	108529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	214443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95571	49.497	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.000%
35) Dibromofluoromethane	5.397	113	71641	45.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.860%
50) Toluene-d8	8.653	98	279911	53.837	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.680%
62) 4-Bromofluorobenzene	11.079	95	116327	54.077	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	382	1.783	ug/l #	72
16) Acetone	2.386	43	38100	53.920	ug/l	94
17) Carbon Disulfide	2.532	76	865	0.517	ug/l #	76
20) Methylene Chloride	2.806	84	4290	2.769	ug/l	87
25) 2-Butanone	4.593	43	6276	5.839	ug/l #	86
29) Tetrahydrofuran	5.056	42	514	0.757	ug/l #	40
31) Cyclohexane	5.556	56	2765	1.232	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10226	4.540	ug/l #	53
38) Carbon Tetrachloride	5.556	117	12665	5.020	ug/l #	16
43) Isopropyl Acetate	6.129	43	826	0.216	ug/l #	63
51) 4-Methyl-2-Pentanone	8.580	43	1787	0.734	ug/l	96
59) 2-Hexanone	9.445	43	2407	1.378	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	62153	28.201	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	62153	81.348	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	517	0.213	ug/l #	73

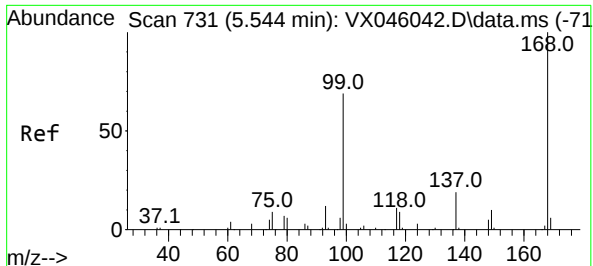
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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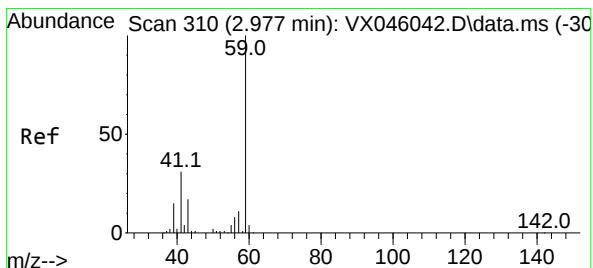
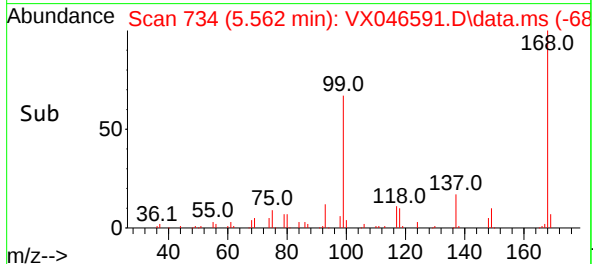
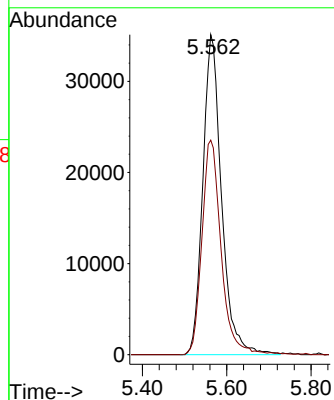
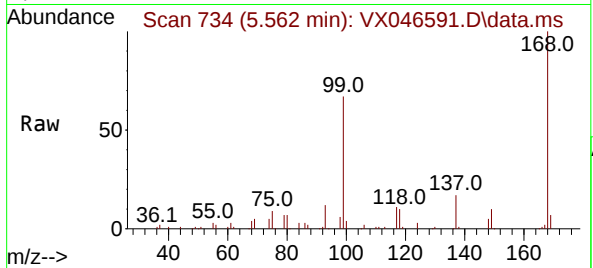




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

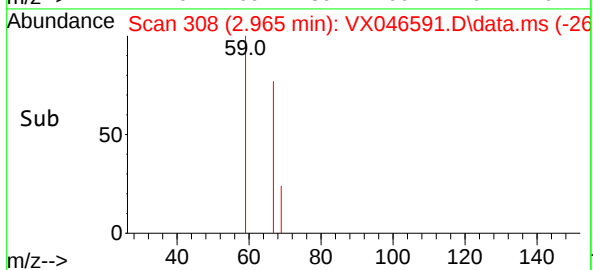
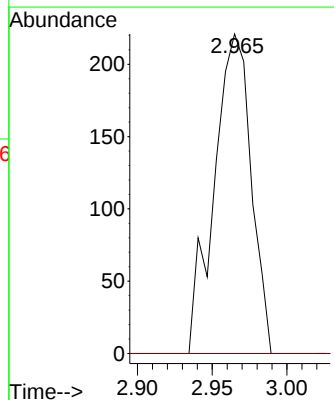
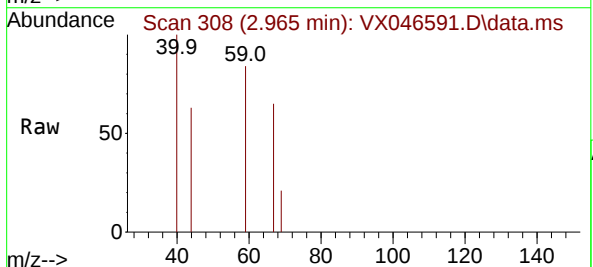
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

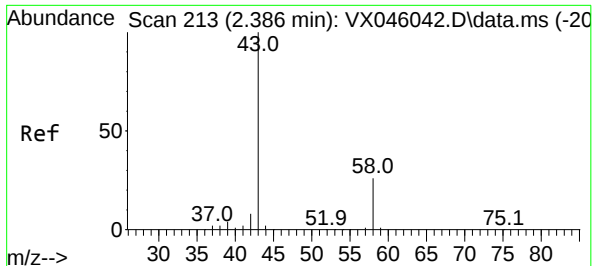
Tgt Ion:168 Resp: 108529
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.783 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

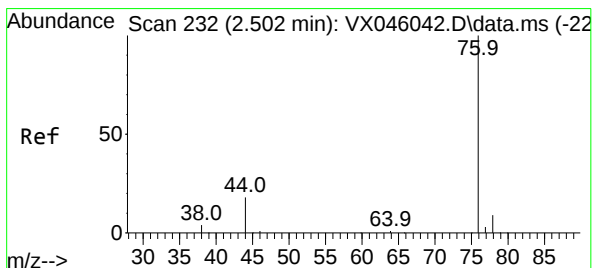
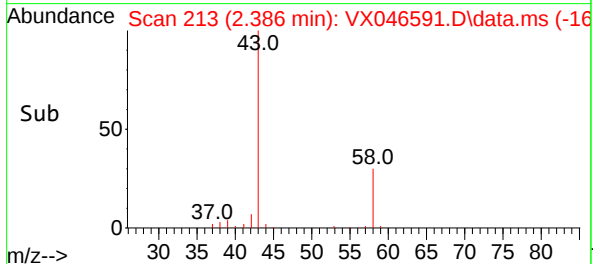
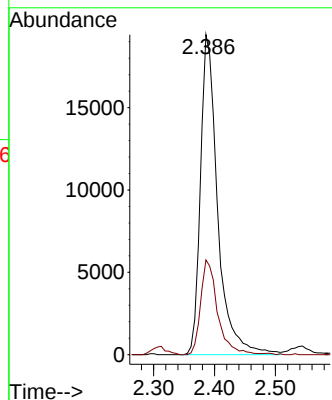
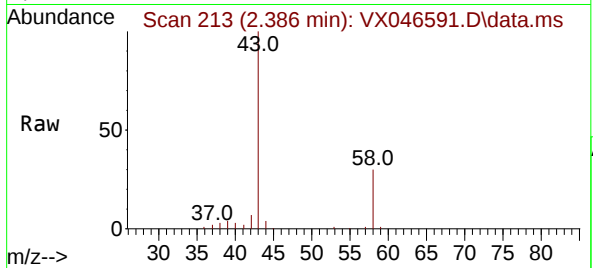




#16
Acetone
Concen: 53.920 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

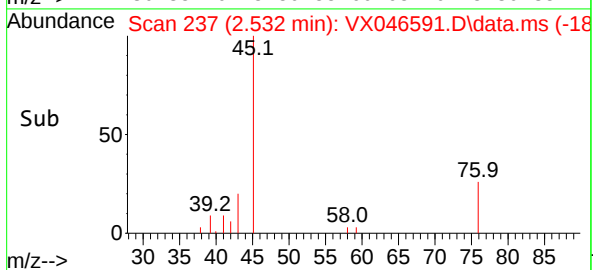
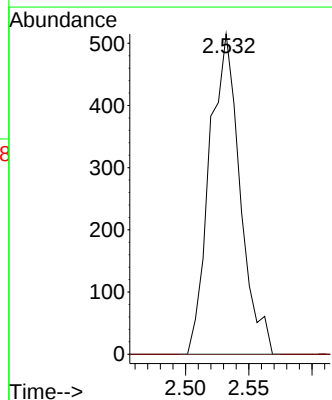
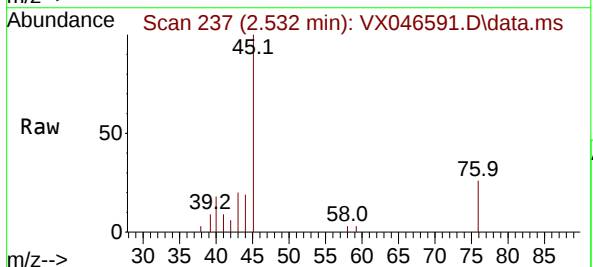
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

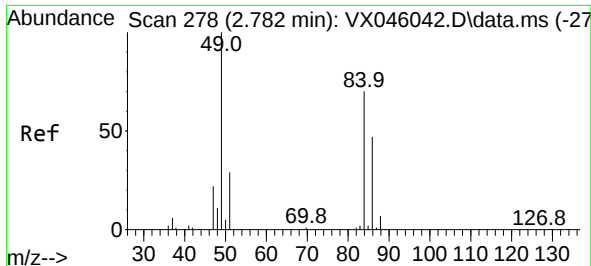
Tgt Ion: 43 Resp: 38100
Ion Ratio Lower Upper
43 100
58 29.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.517 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 76 Resp: 865
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

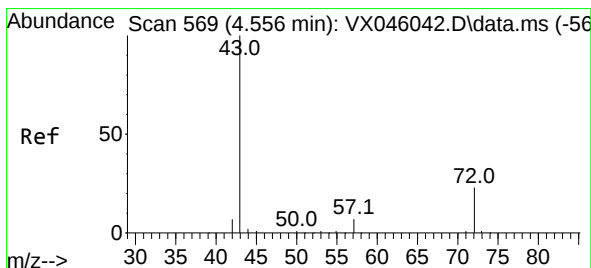
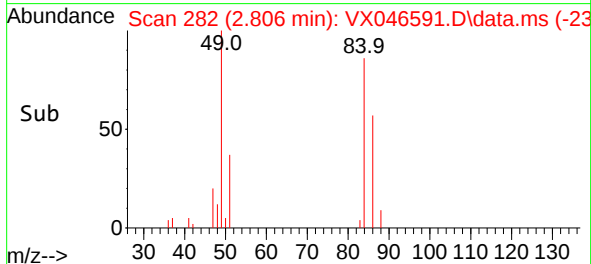
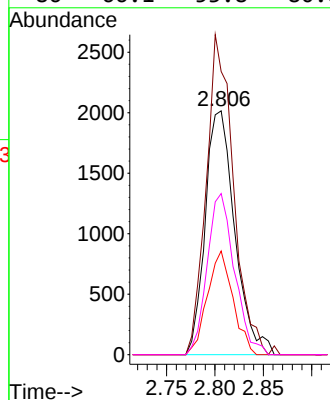
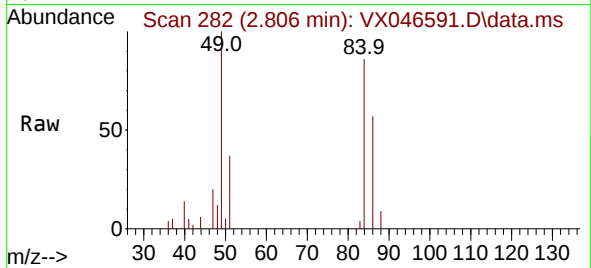




#20
Methylene Chloride
Concen: 2.769 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

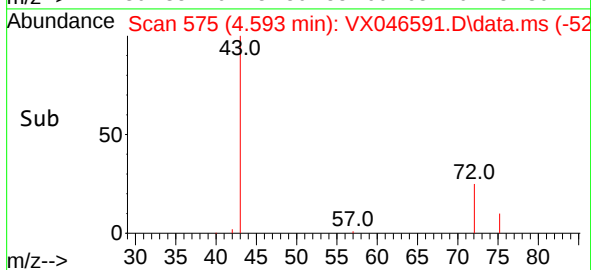
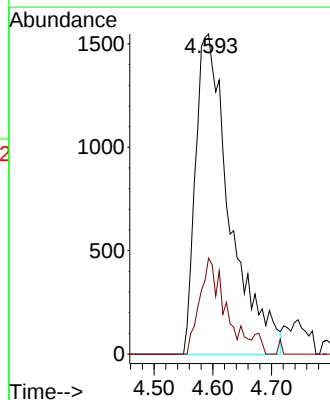
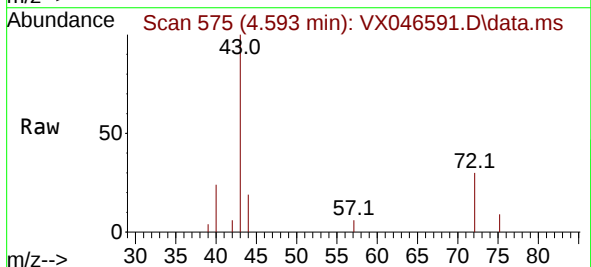
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

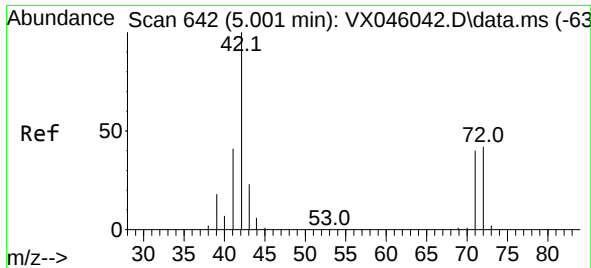
Tgt Ion:	84	Resp:	4290
Ion	Ratio	Lower	Upper
84	100		
49	116.2	113.9	170.9
51	42.5	33.5	50.3
86	66.1	53.8	80.8



#25
2-Butanone
Concen: 5.839 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.019 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion:	43	Resp:	6276
Ion	Ratio	Lower	Upper
43	100		
72	30.0	18.4	27.6#

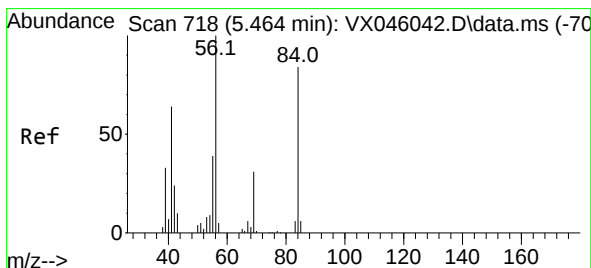
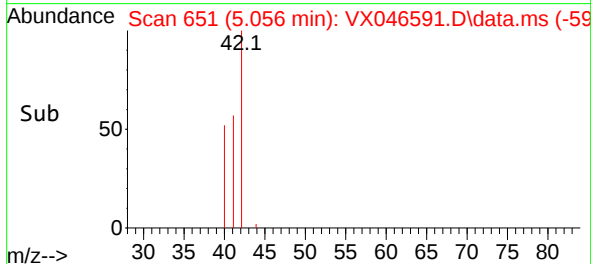
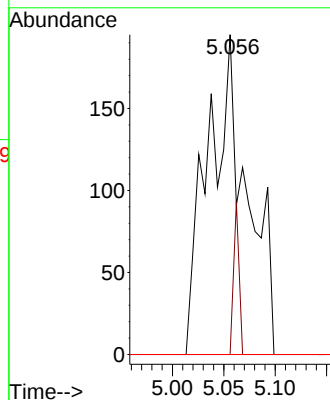
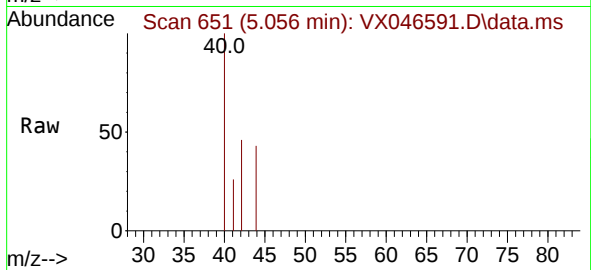




#29
Tetrahydrofuran
Concen: 0.757 ug/l
RT: 5.056 min Scan# 611
Delta R.T. 0.037 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

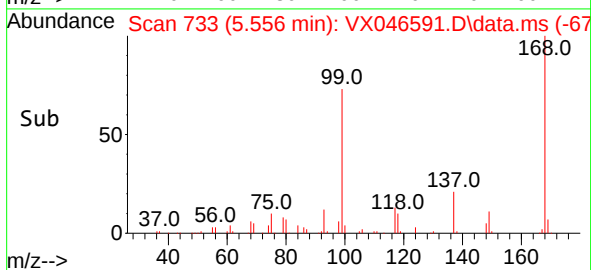
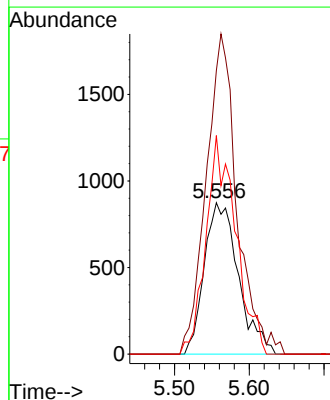
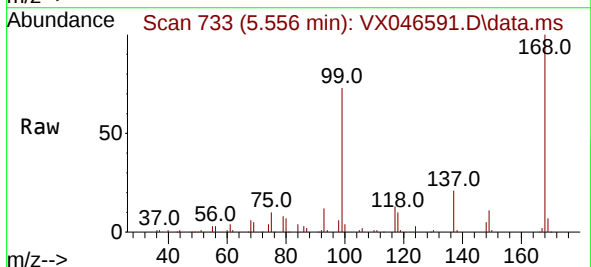
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

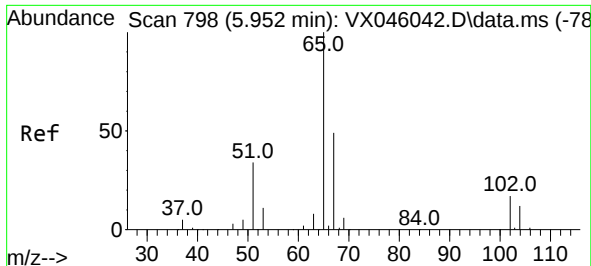
Tgt Ion:	42	Resp:	514
Ion	Ratio	Lower	Upper
42	100		
72	6.6	33.7	50.5#
71	0.0	31.4	47.2#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.067 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion:	56	Resp:	2765
Ion	Ratio	Lower	Upper
56	100		
69	187.3	24.4	36.6#
84	144.4	66.9	100.3#

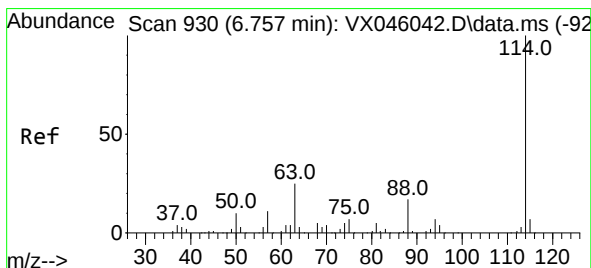
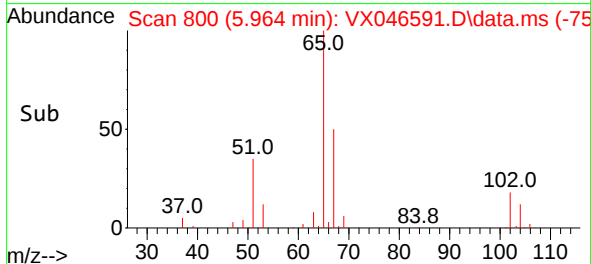
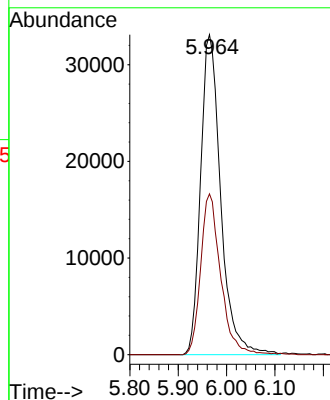
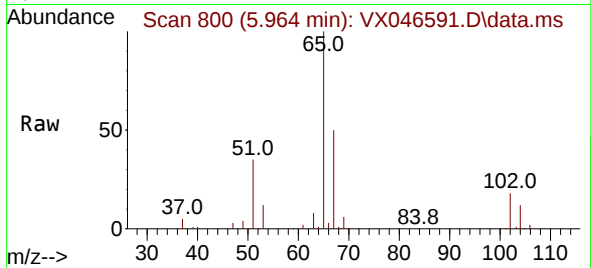




#33
 1,2-Dichloroethane-d4
 Concen: 49.497 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: VX046591.D
 Acq: 10 Jun 2025 11:05

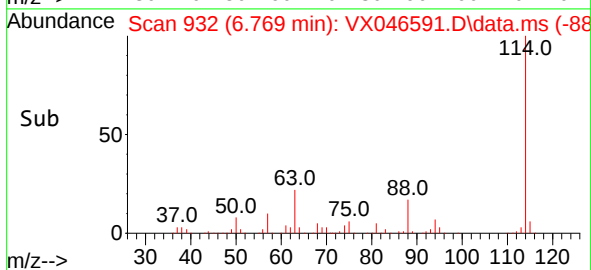
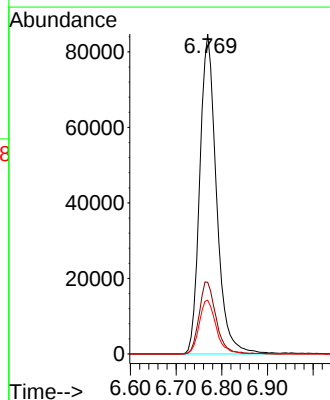
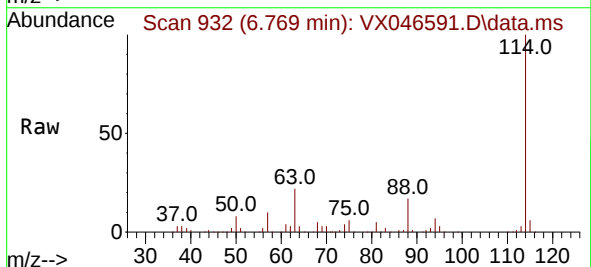
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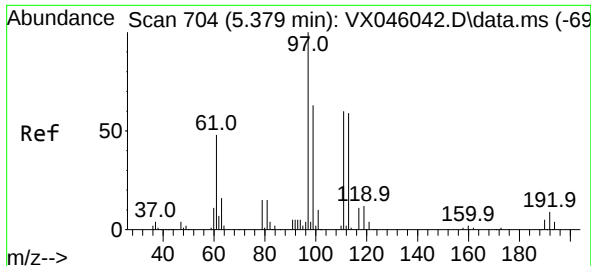
Tgt Ion: 65 Resp: 95571
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046591.D
 Acq: 10 Jun 2025 11:05

Tgt Ion: 114 Resp: 214443
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 49.2
 88 16.8 0.0 33.6

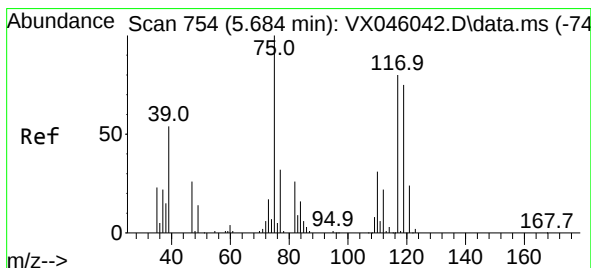
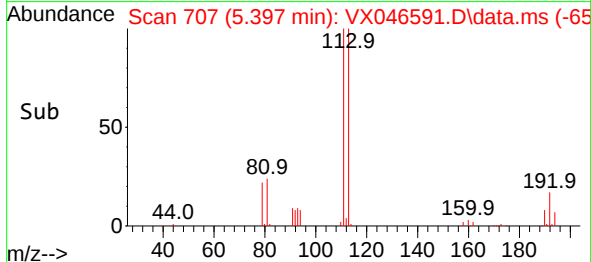
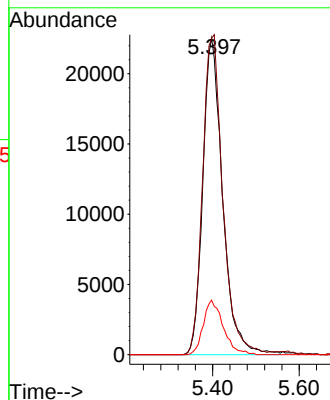
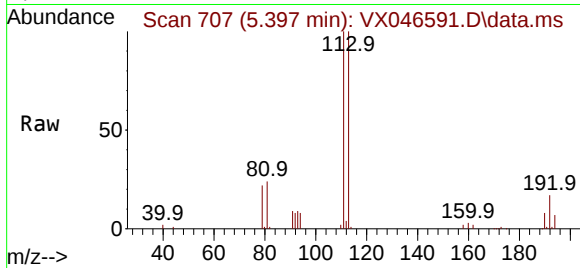




#35
Dibromofluoromethane
Concen: 45.428 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

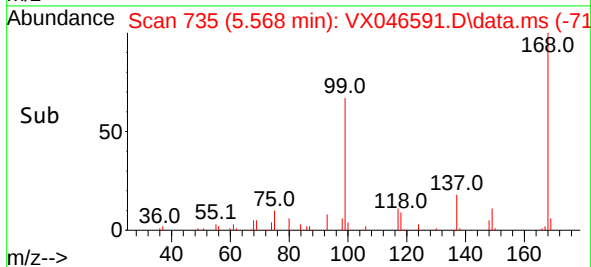
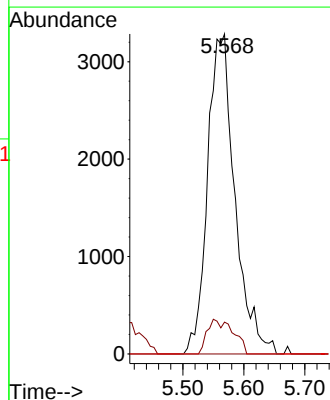
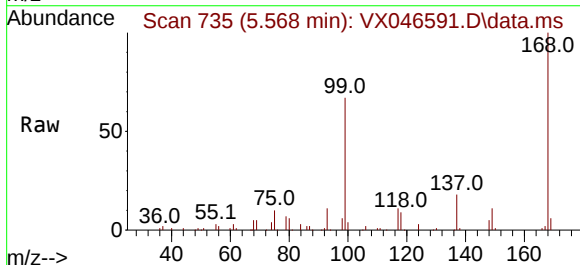
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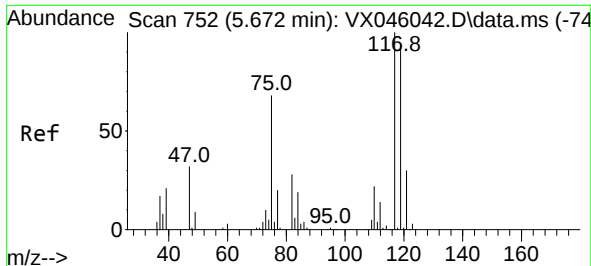
Tgt Ion:113 Resp: 71641
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

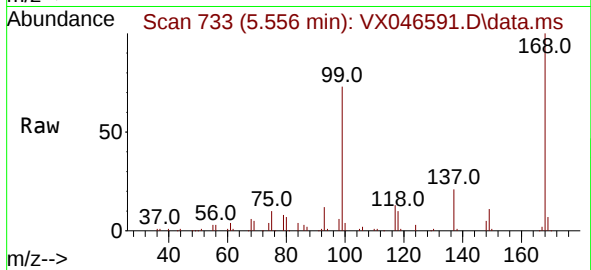
Tgt Ion: 75 Resp: 10226
Ion Ratio Lower Upper
75 100
110 10.3 16.3 48.9#
77 0.0 24.3 36.5#



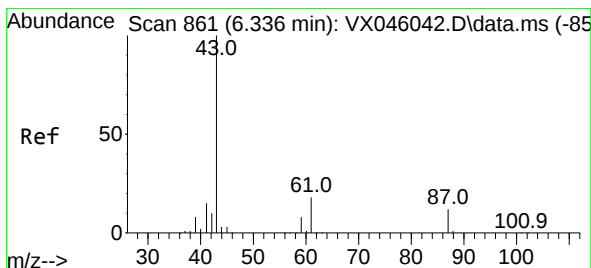
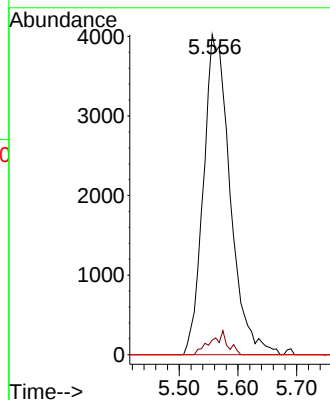
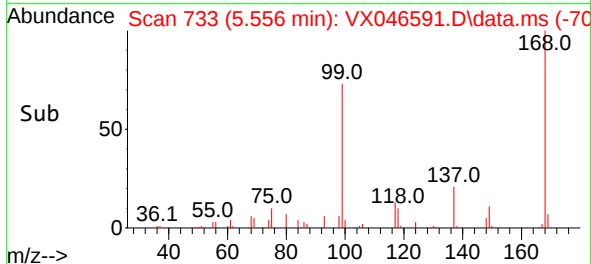


#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Instrument :
MSVOA_X
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ARS20-0032

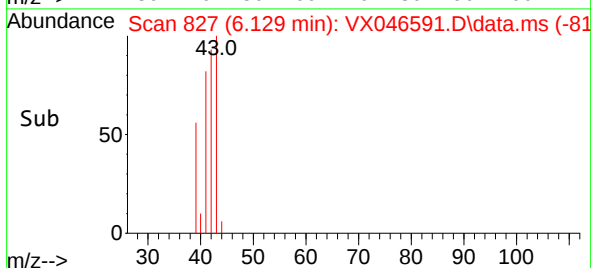
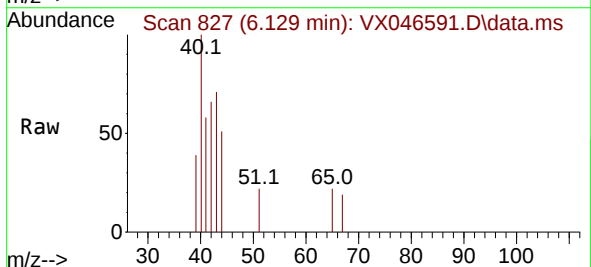


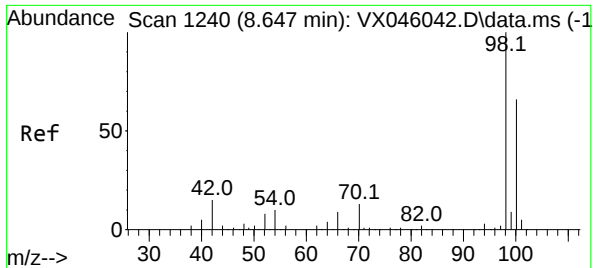
Tgt Ion:117 Resp: 12665
Ion Ratio Lower Upper
117 100
119 4.5 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.216 ug/l
RT: 6.129 min Scan# 827
Delta R.T. -0.225 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
61 0.0 14.3 21.5#
87 0.0 9.5 14.3#

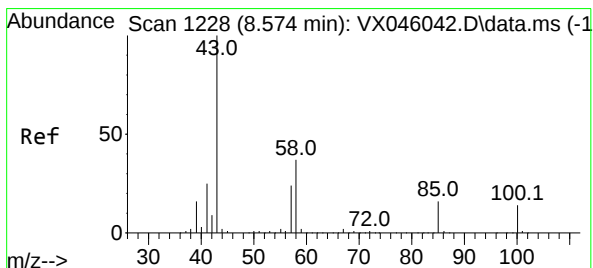
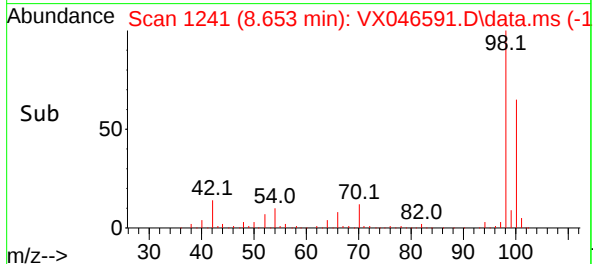
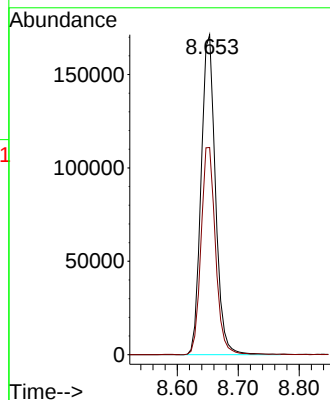
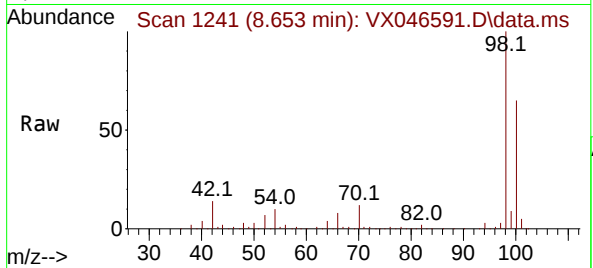




#50
Toluene-d8
Concen: 53.837 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

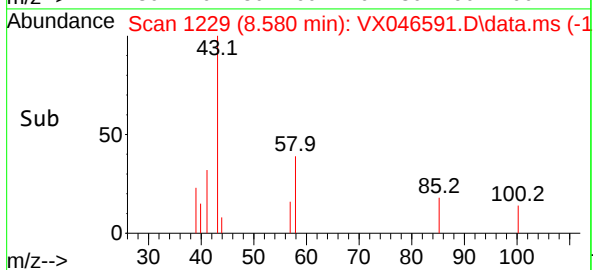
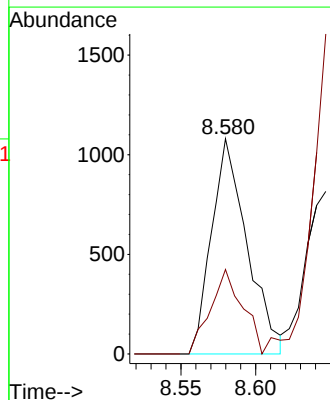
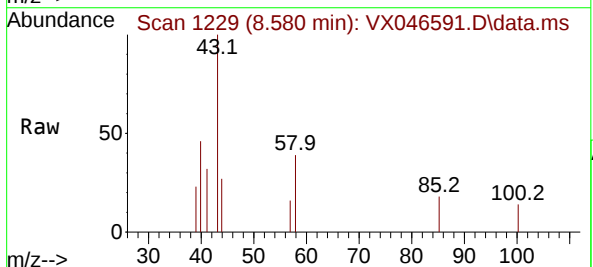
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

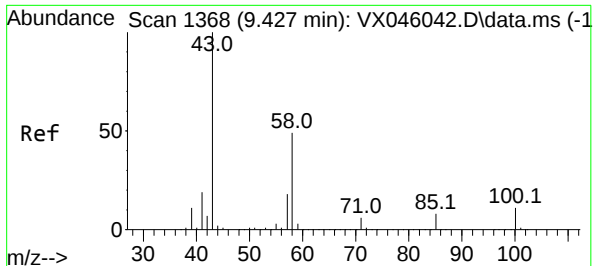
Tgt Ion: 98 Resp: 279911
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.734 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 43 Resp: 1787
Ion Ratio Lower Upper
43 100
58 38.6 28.9 43.3

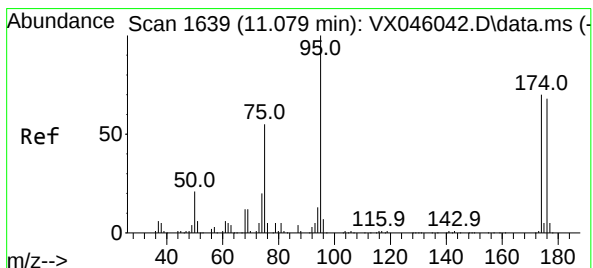
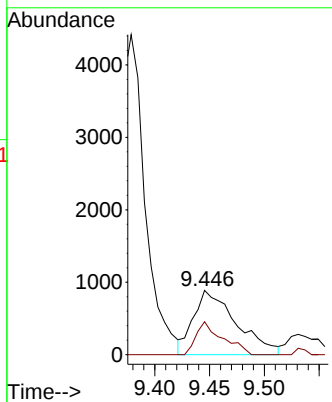
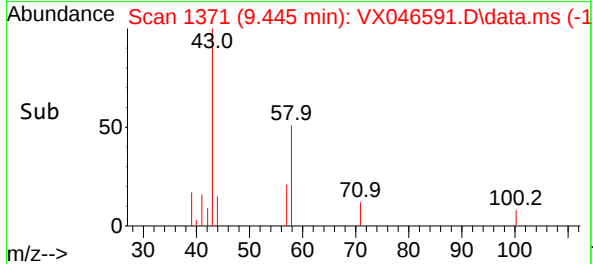
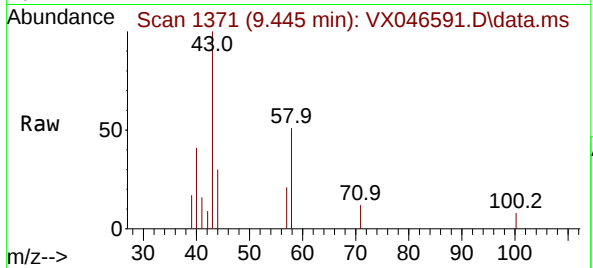




#59
2-Hexanone
Concen: 1.378 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

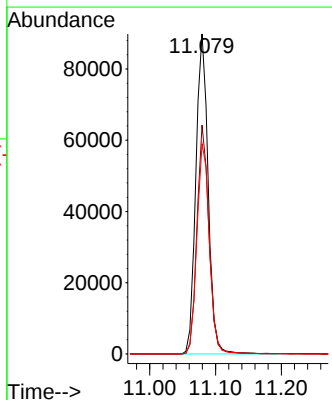
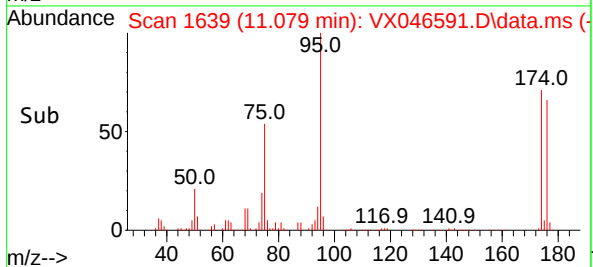
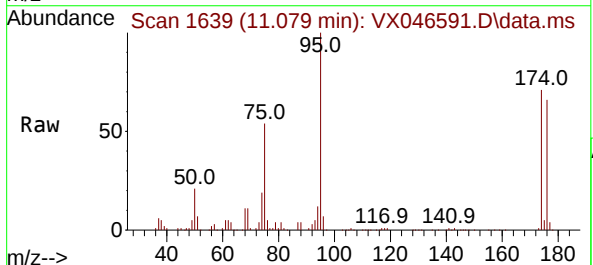
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

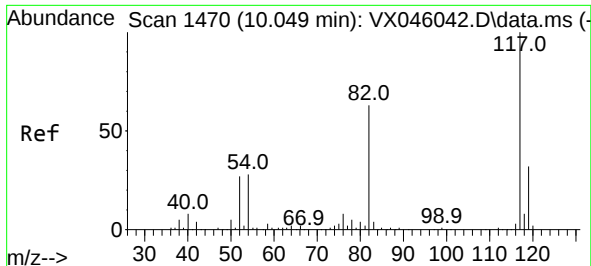
Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 31.6 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 54.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 95 Resp: 116327
Ion Ratio Lower Upper
95 100
174 69.9 0.0 135.8
176 66.9 0.0 131.4

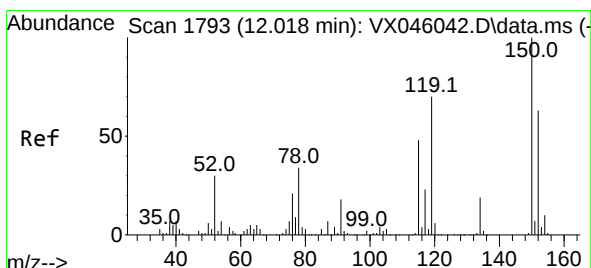
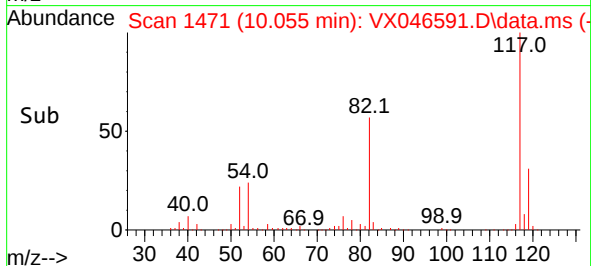
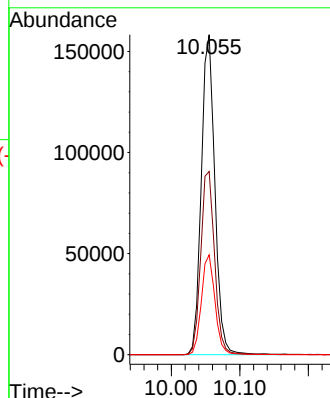
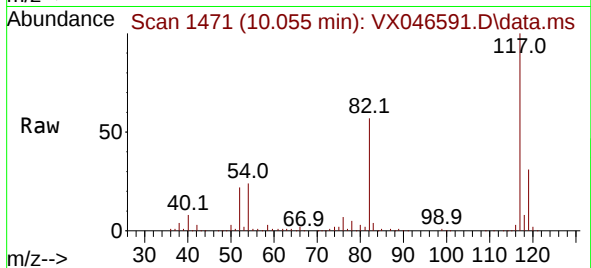




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

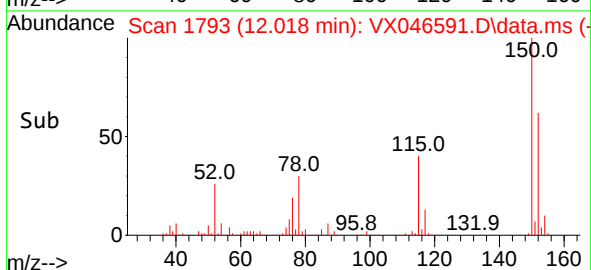
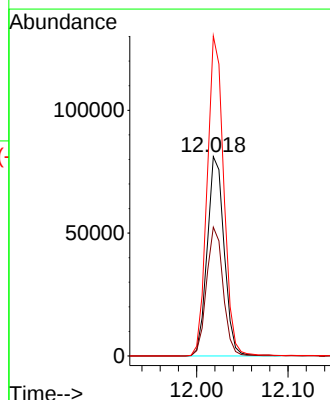
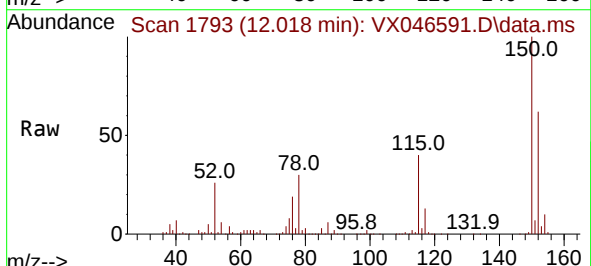
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

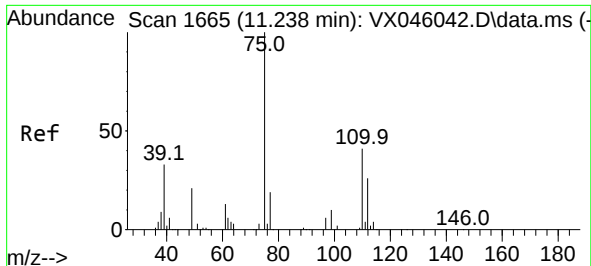
Tgt Ion:117 Resp: 218390
Ion Ratio Lower Upper
117 100
82 57.2 50.6 76.0
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion:152 Resp: 104052
Ion Ratio Lower Upper
152 100
115 63.4 46.9 140.7
150 157.2 0.0 351.0

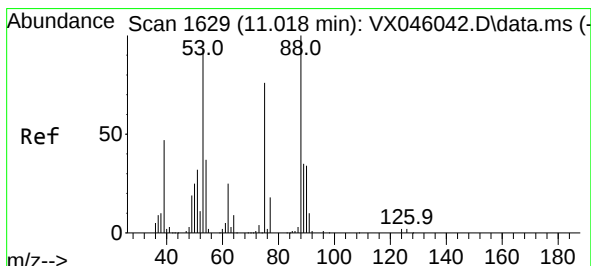
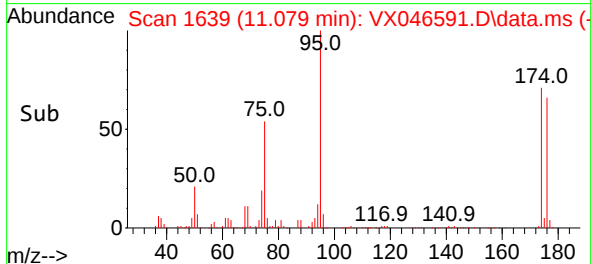
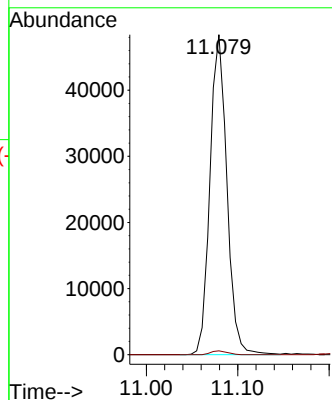
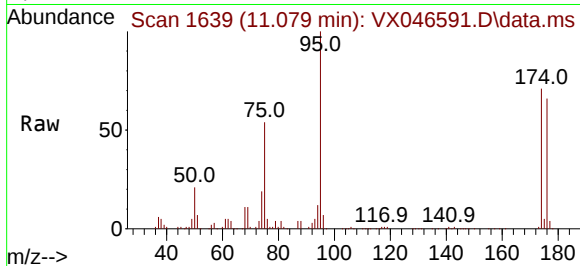




#76
1,2,3-Trichloropropane
Concen: 28.201 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

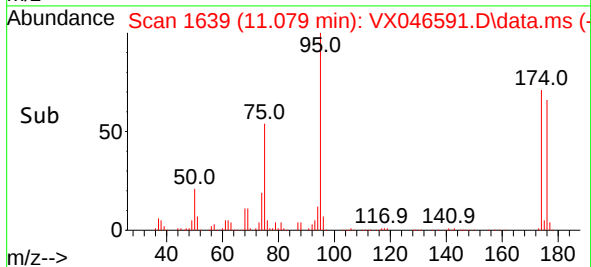
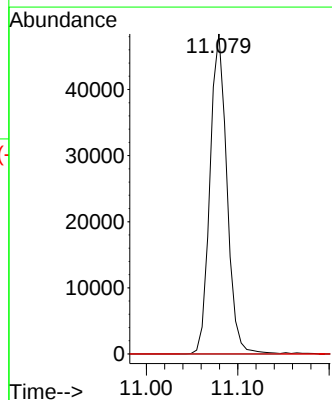
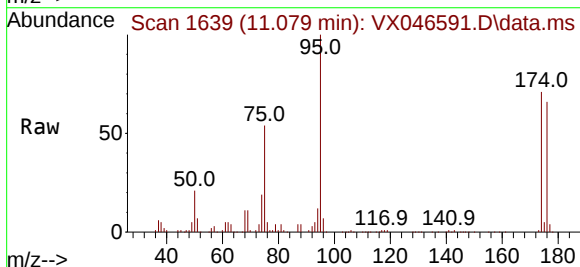
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0032

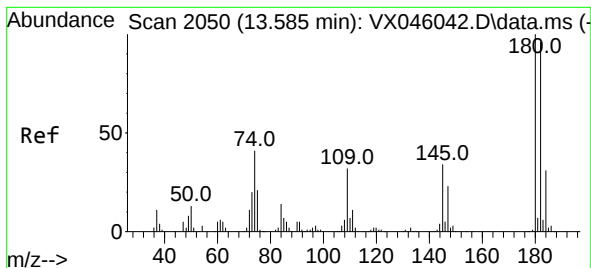
Tgt Ion: 75 Resp: 62153
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046591.D
Acq: 10 Jun 2025 11:05

Tgt Ion: 75 Resp: 62153
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.213 ug/l

RT: 13.591 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046591.D

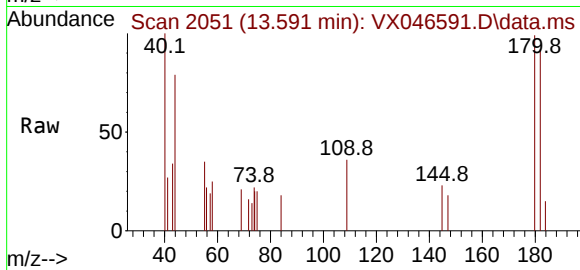
Acq: 10 Jun 2025 11:05

Instrument :

MSVOA_X

ClientSampleId :

ARS20-0032



Tgt Ion:180 Resp: 517

Ion Ratio Lower Upper

180 100

182 71.8 47.9 143.8

145 14.9 17.1 51.2#

