

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046592.D
 Acq On : 10 Jun 2025 11:27
 Operator : JC/MD
 Sample : Q2262-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ARS20-0001

Quant Time: Jun 11 01:44:38 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)

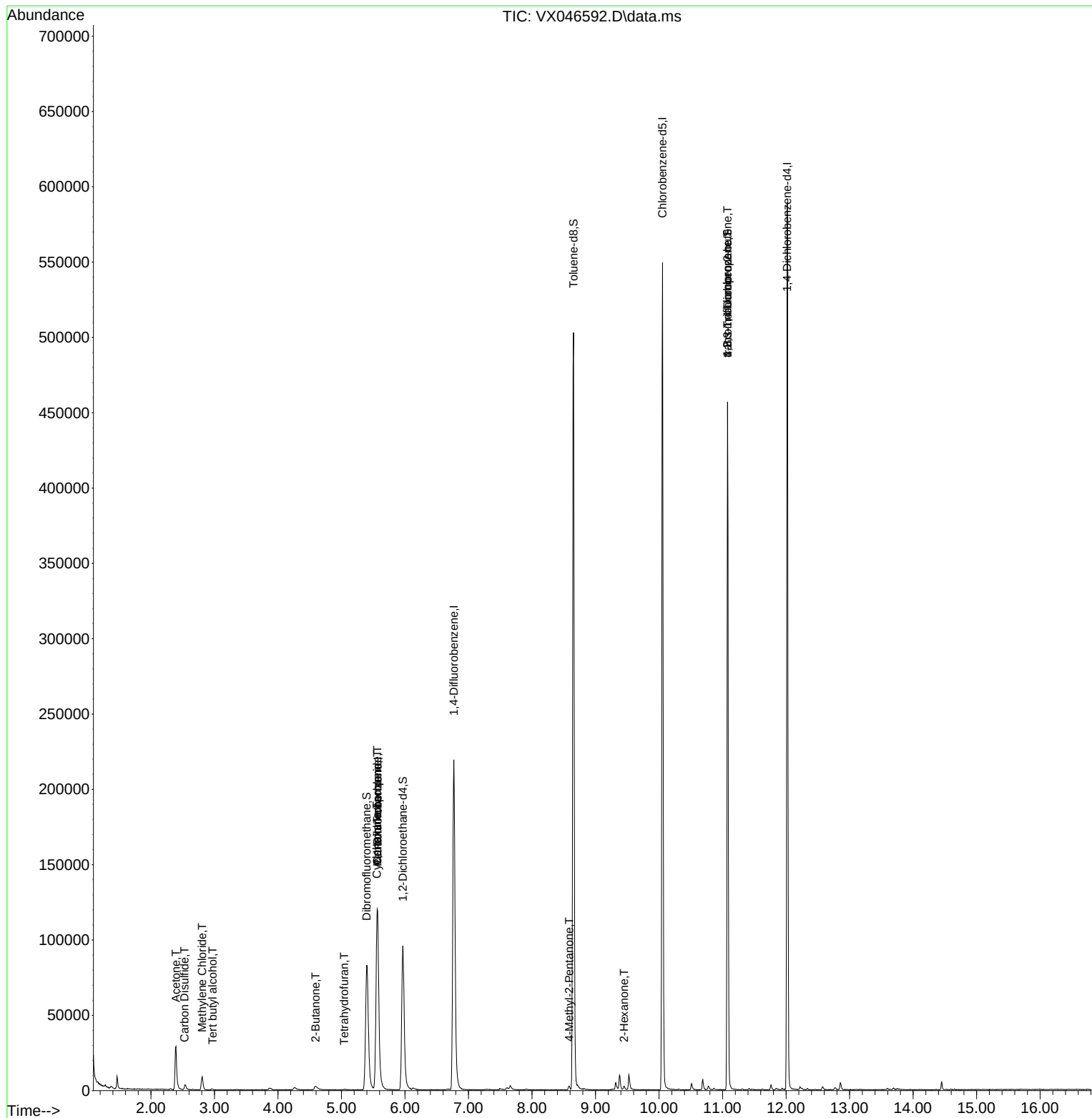
Internal Standards						
1) Pentafluorobenzene	5.568	168	114799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101949	49.916	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.840%
35) Dibromofluoromethane	5.397	113	77958	47.024	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.040%
50) Toluene-d8	8.653	98	300729	55.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.040%
62) 4-Bromofluorobenzene	11.079	95	123194	54.477	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	421	1.858	ug/l #	72
16) Acetone	2.391	43	36562	49.344	ug/l	97
17) Carbon Disulfide	2.526	76	438	0.353	ug/l #	76
20) Methylene Chloride	2.806	84	4138	2.525	ug/l	94
25) 2-Butanone	4.592	43	5486	4.825	ug/l	95
29) Tetrahydrofuran	5.043	42	166	0.231	ug/l #	47
31) Cyclohexane	5.556	56	2990	1.259	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	10512	4.439	ug/l #	51
38) Carbon Tetrachloride	5.562	117	12873	4.853	ug/l #	17
51) 4-Methyl-2-Pentanone	8.585	43	1728	0.675	ug/l	96
59) 2-Hexanone	9.451	43	1797	0.979	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	66599	28.393	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	66599	81.904	ug/l #	1

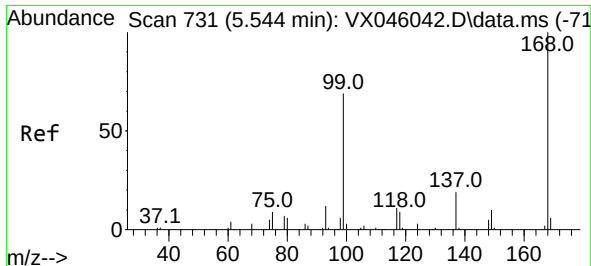
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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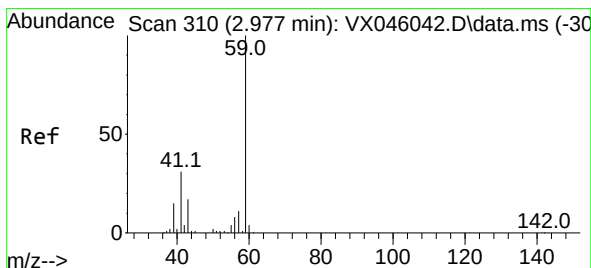
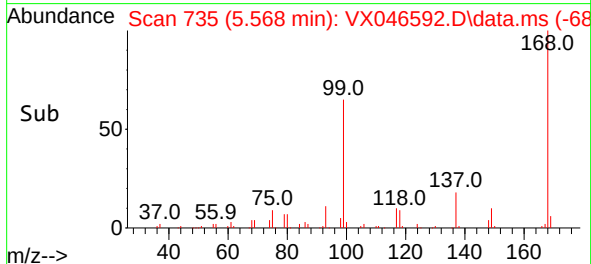
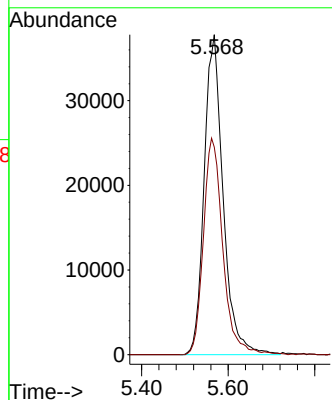
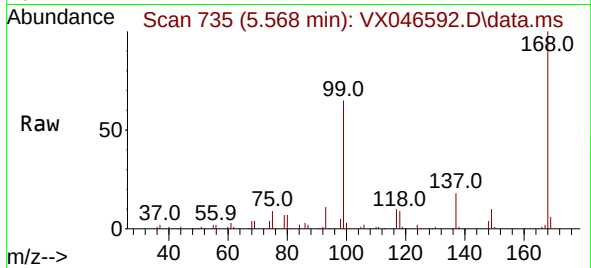




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

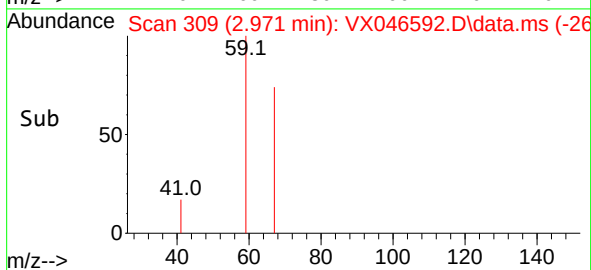
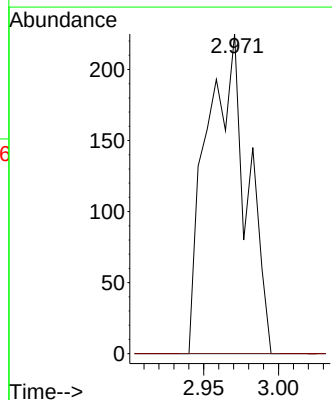
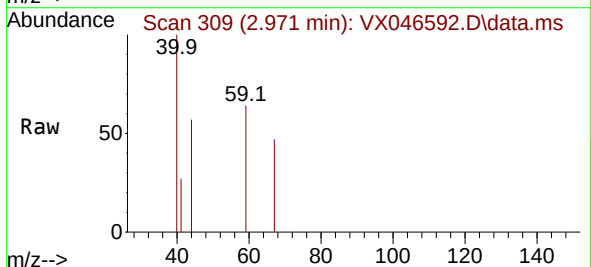
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

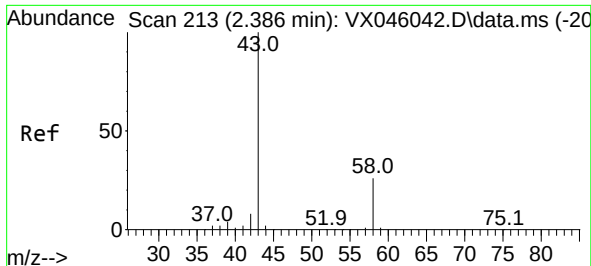
Tgt Ion:168 Resp: 114799
Ion Ratio Lower Upper
168 100
99 64.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.858 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

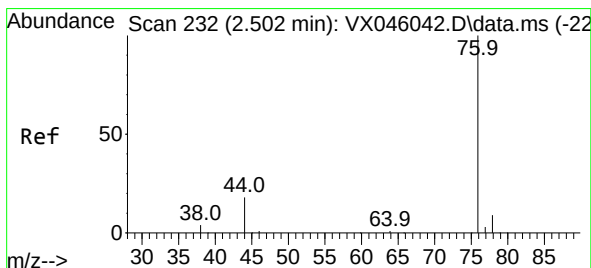
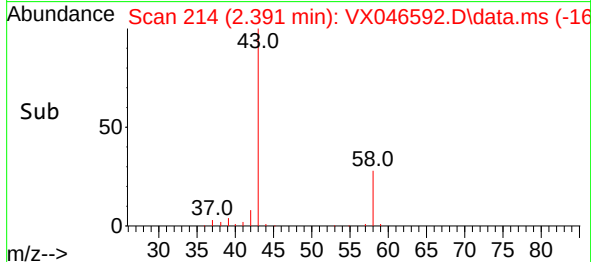
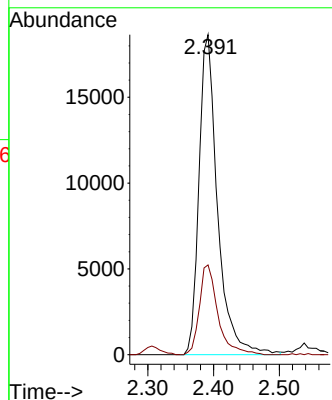
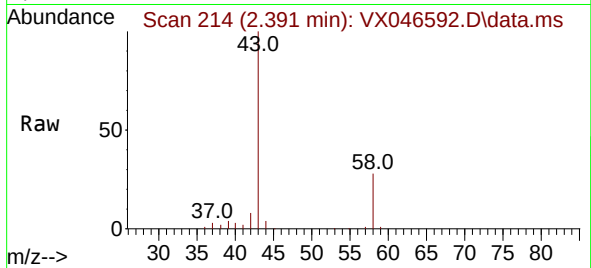




#16
Acetone
Concen: 49.344 ug/l
RT: 2.391 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

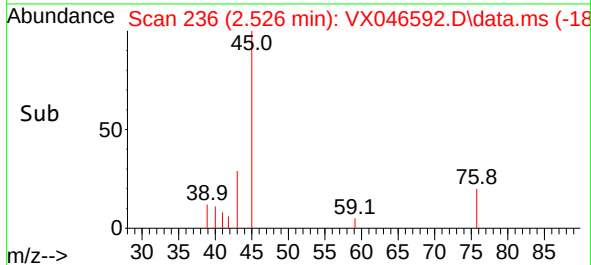
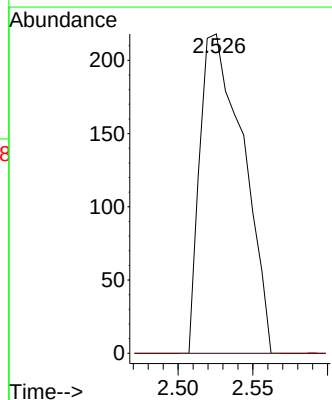
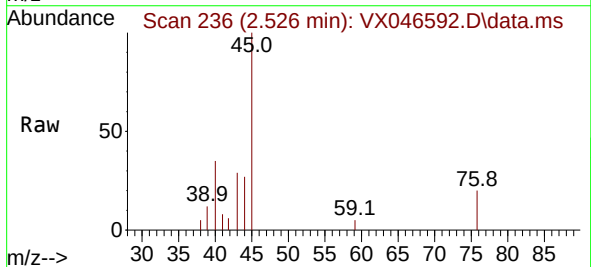
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

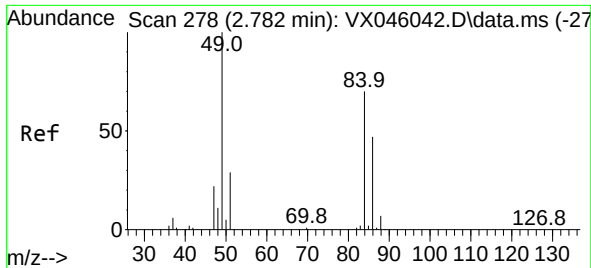
Tgt Ion: 43 Resp: 36562
Ion Ratio Lower Upper
43 100
58 28.1 21.2 31.8



#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion: 76 Resp: 438
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

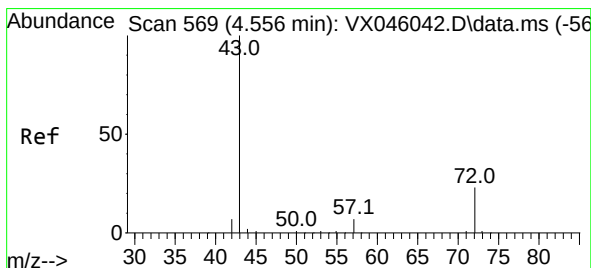
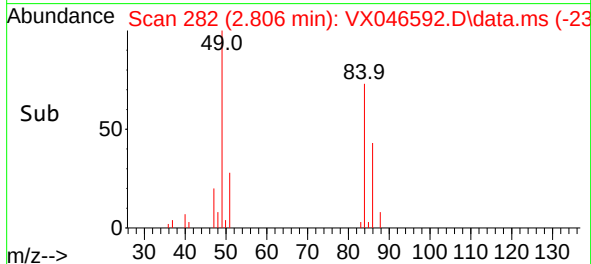
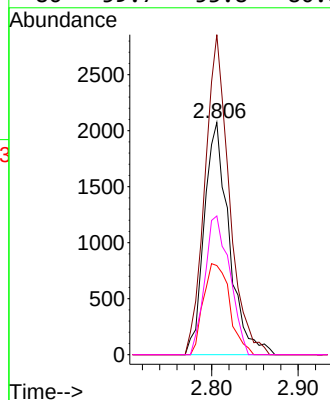
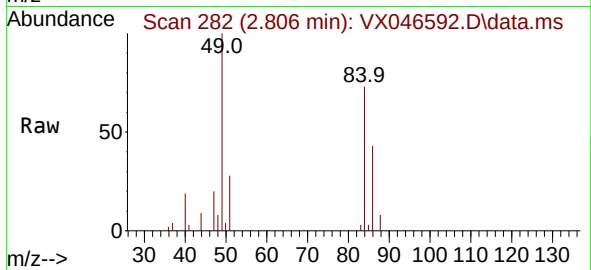




#20
Methylene Chloride
Concen: 2.525 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

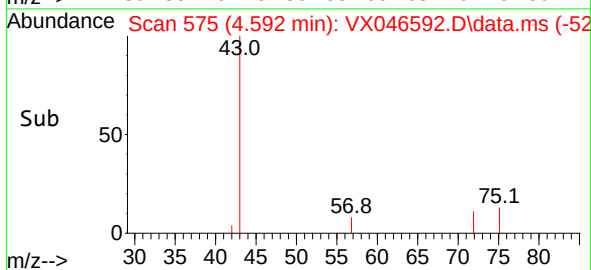
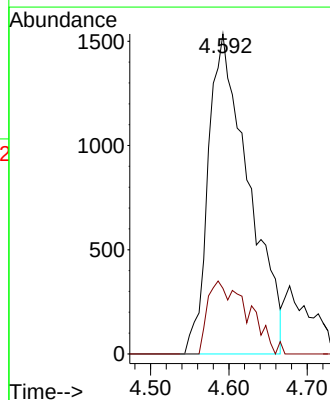
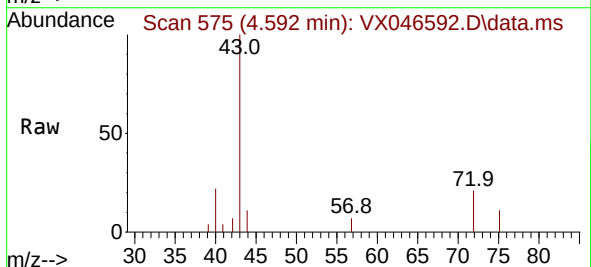
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

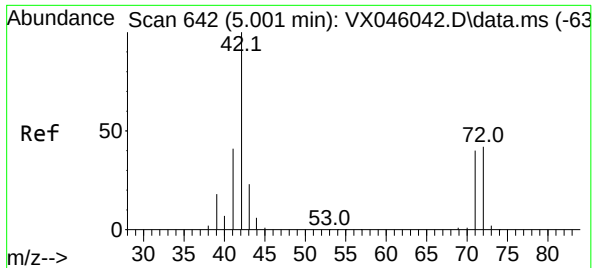
Tgt Ion:	84	Resp:	4138
Ion	Ratio	Lower	Upper
84	100		
49	137.8	113.9	170.9
51	38.4	33.5	50.3
86	59.7	53.8	80.8



#25
2-Butanone
Concen: 4.825 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.018 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion:	43	Resp:	5486
Ion	Ratio	Lower	Upper
43	100		
72	20.5	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.231 ug/l

RT: 5.043 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX046592.D

Acq: 10 Jun 2025 11:27

Instrument :

MSVOA_X

ClientSampleId :

ARS20-0001

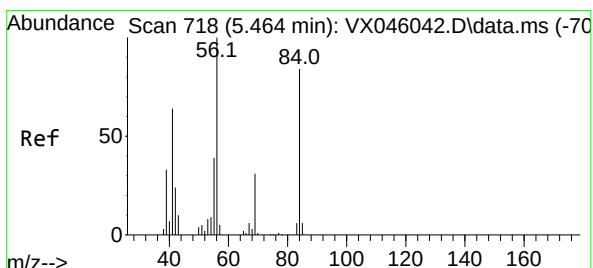
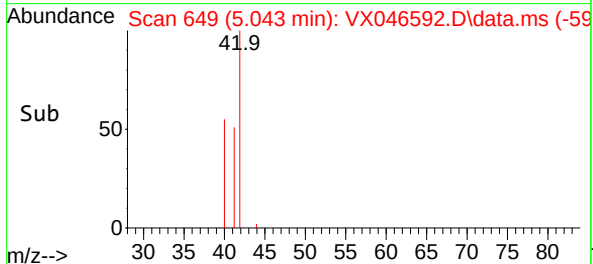
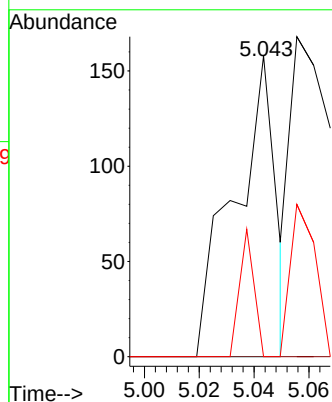
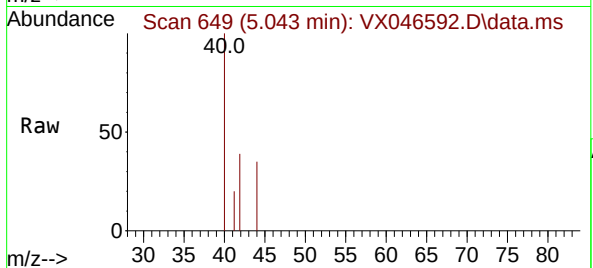
Tgt Ion: 42 Resp: 166

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 15.1 31.4 47.2#



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.067 min

Lab File: VX046592.D

Acq: 10 Jun 2025 11:27

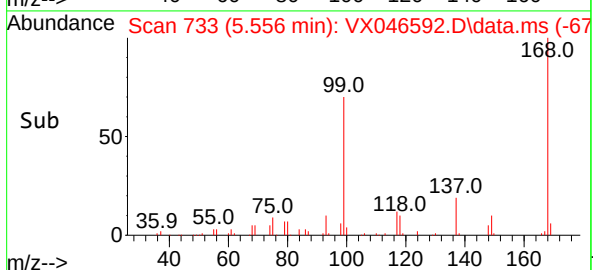
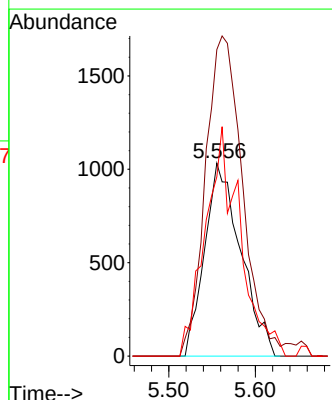
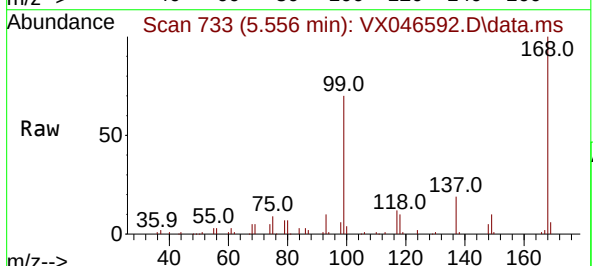
Tgt Ion: 56 Resp: 2990

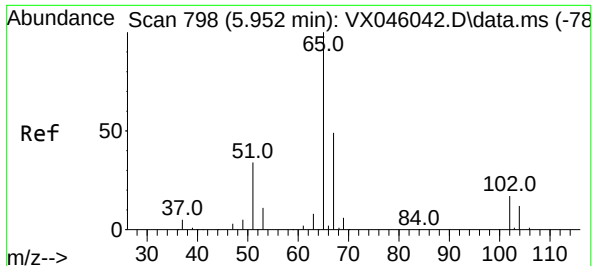
Ion Ratio Lower Upper

56 100

69 158.9 24.4 36.6#

84 92.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 49.916 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046592.D

Acq: 10 Jun 2025 11:27

Instrument :

MSVOA_X

ClientSampleId :

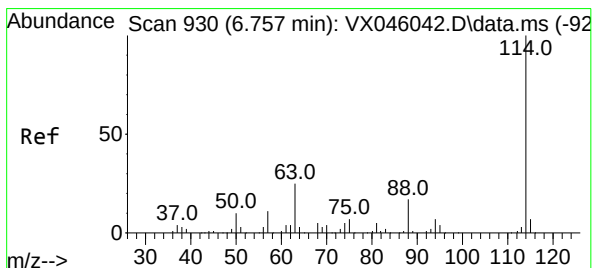
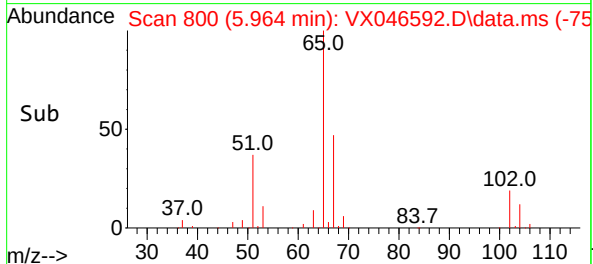
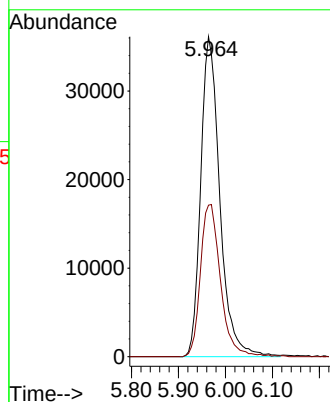
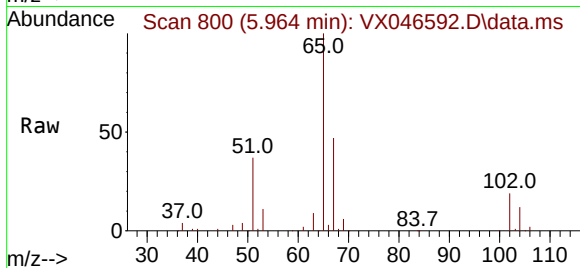
ARS20-0001

Tgt Ion: 65 Resp: 101949

Ion Ratio Lower Upper

65 100

67 50.1 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: VX046592.D

Acq: 10 Jun 2025 11:27

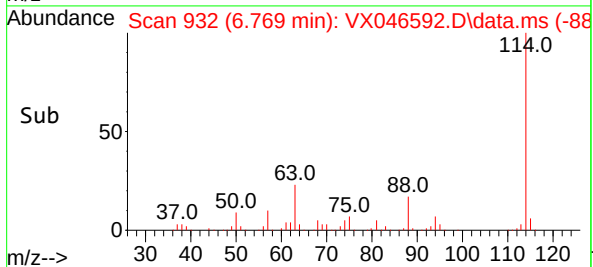
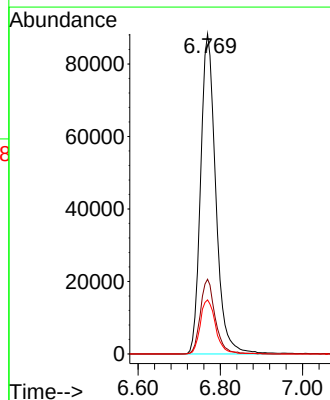
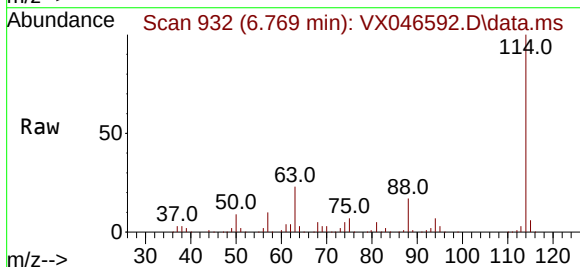
Tgt Ion: 114 Resp: 225436

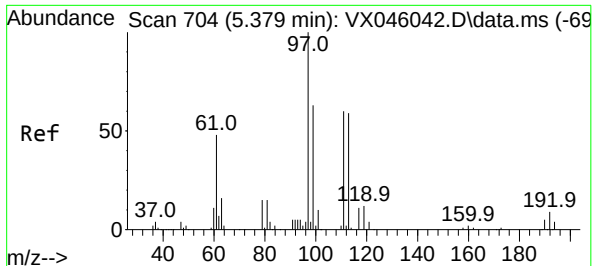
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 16.9 0.0 33.6

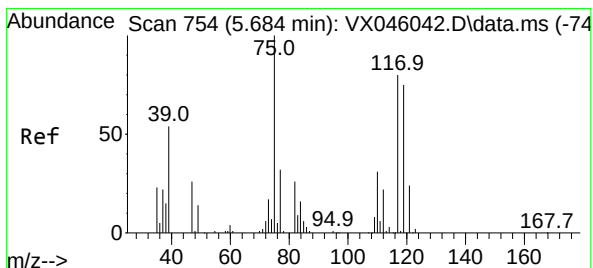
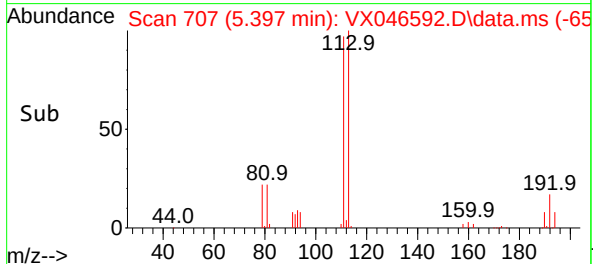
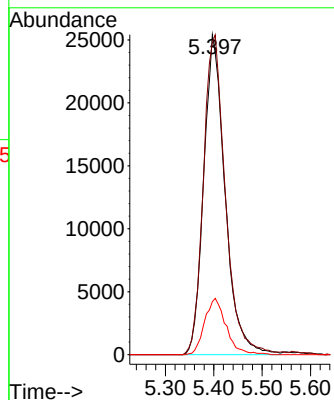
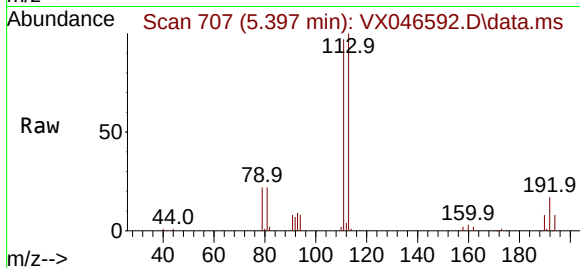




#35
Dibromofluoromethane
Concen: 47.024 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

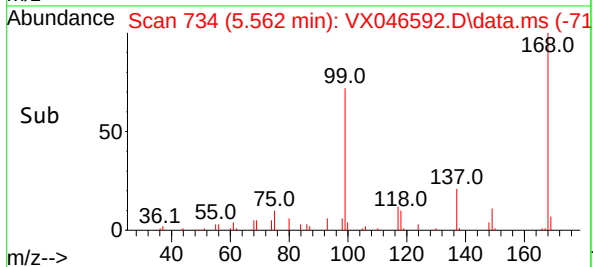
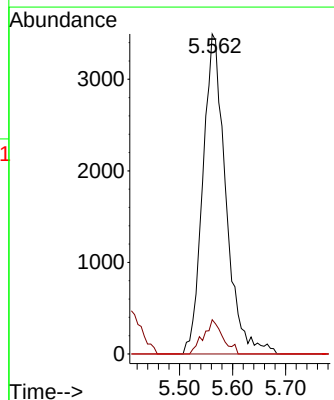
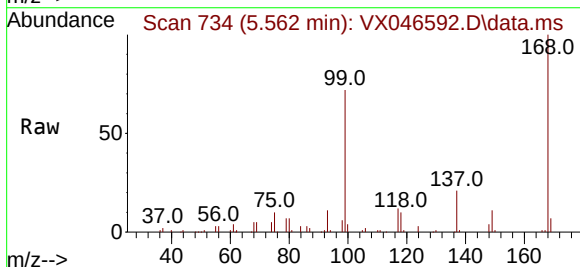
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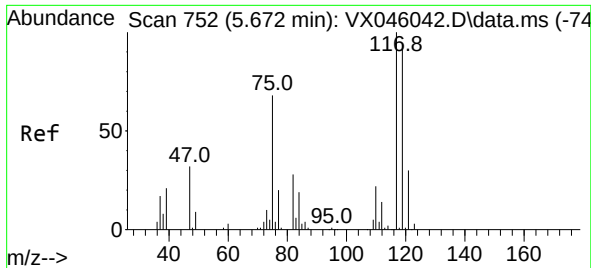
Tgt Ion:113 Resp: 77958
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

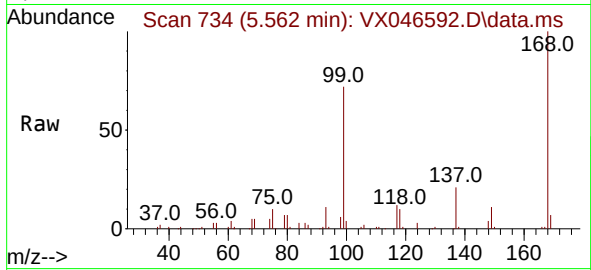
Tgt Ion: 75 Resp: 10512
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#



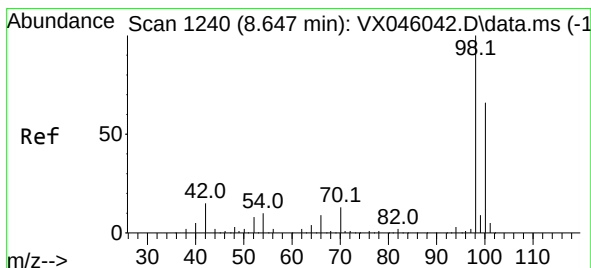
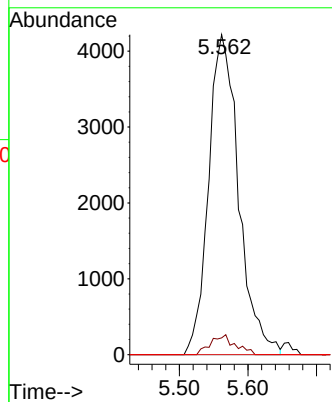
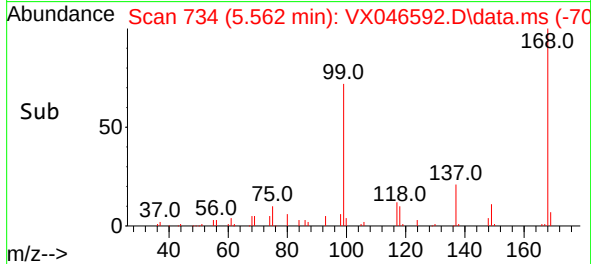


#38
Carbon Tetrachloride
Concen: 4.853 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

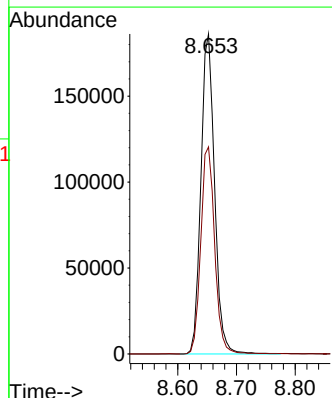
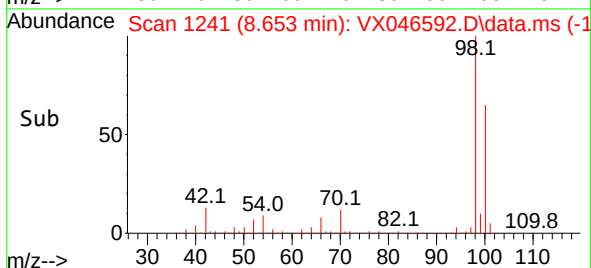
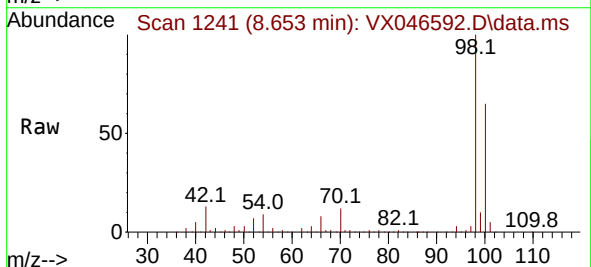


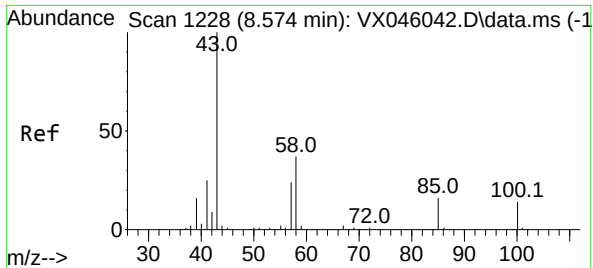
Tgt Ion:117 Resp: 12873
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 55.021 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion: 98 Resp: 300729
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3

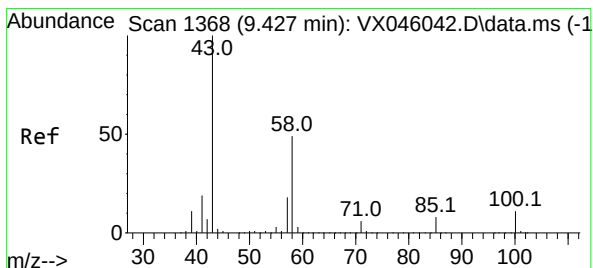
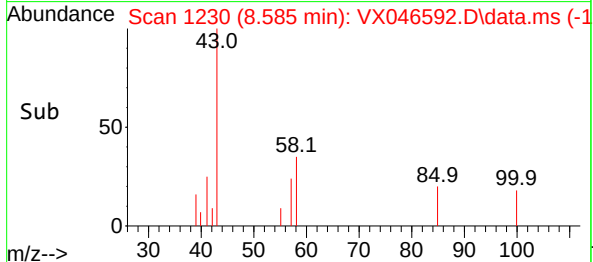
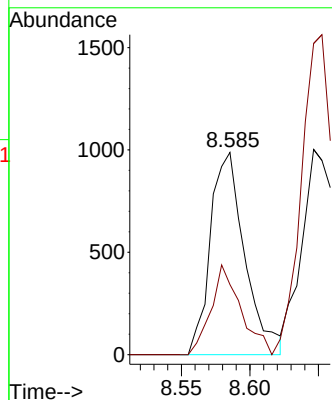
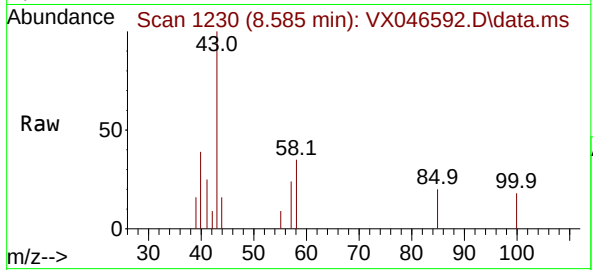




#51
4-Methyl-2-Pentanone
Concen: 0.675 ug/l
RT: 8.585 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

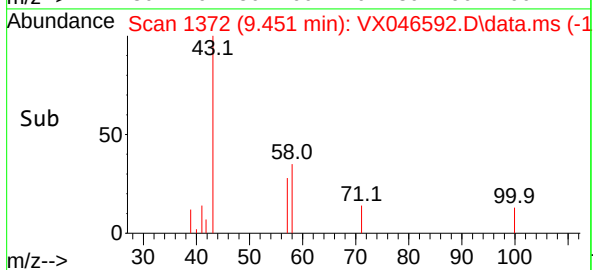
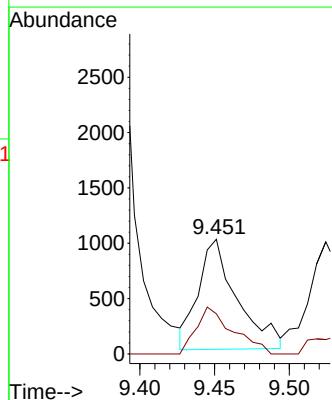
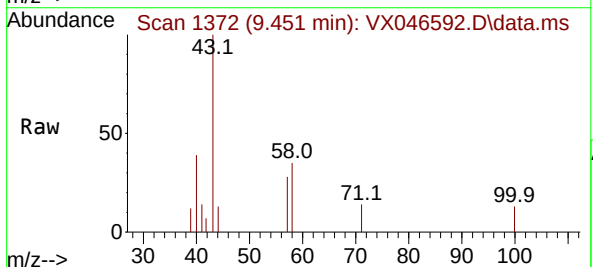
Instrument :
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ClientSampleId :
ARS20-0001

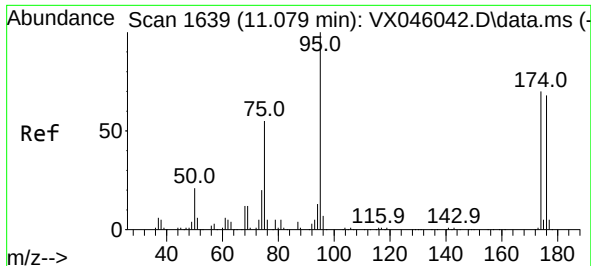
Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 38.5 28.9 43.3



#59
2-Hexanone
Concen: 0.979 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion: 43 Resp: 1797
Ion Ratio Lower Upper
43 100
58 40.2 24.9 74.6

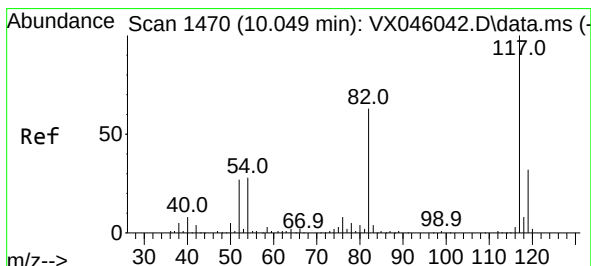
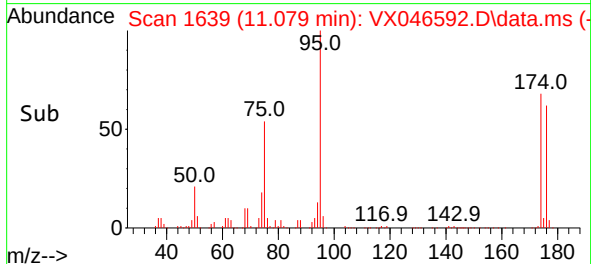
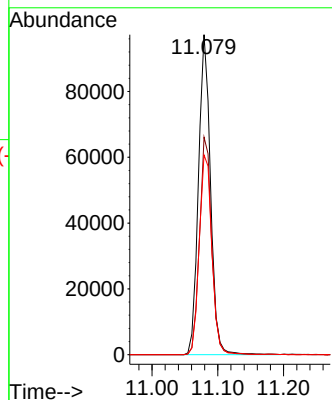
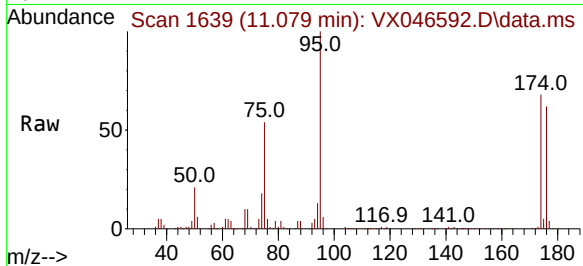




#62
4-Bromofluorobenzene
Concen: 54.477 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

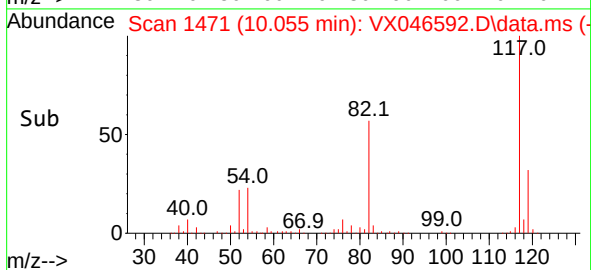
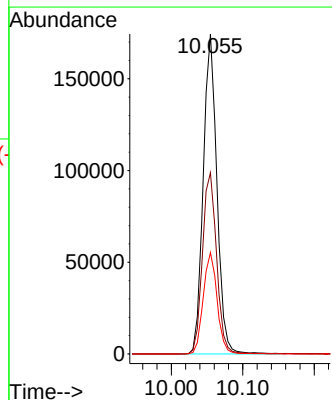
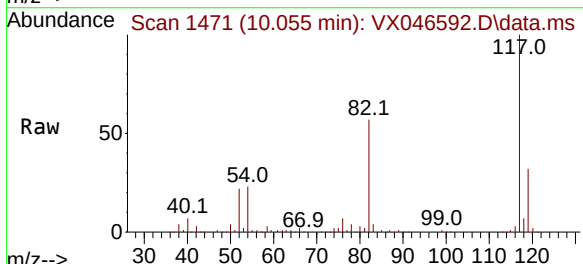
Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

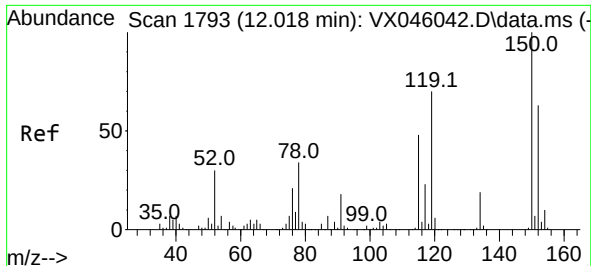
Tgt Ion: 95 Resp: 123194
Ion Ratio Lower Upper
95 100
174 68.7 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Tgt Ion: 117 Resp: 231982
Ion Ratio Lower Upper
117 100
82 56.7 50.6 76.0
119 31.7 25.8 38.6

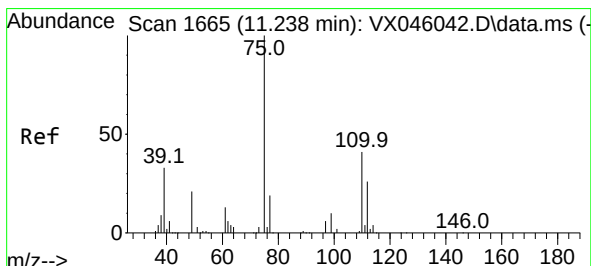
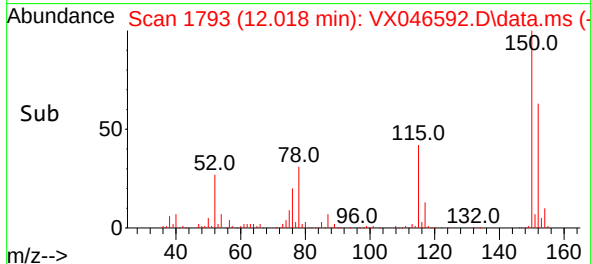
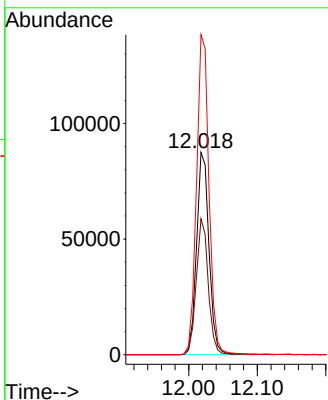
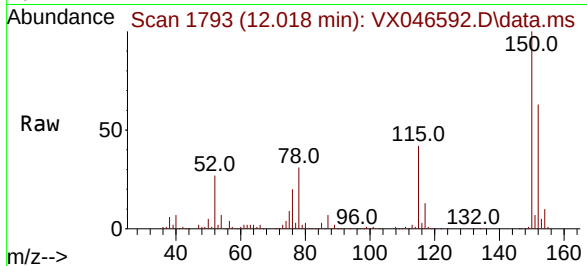




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046592.D
 Acq: 10 Jun 2025 11:27

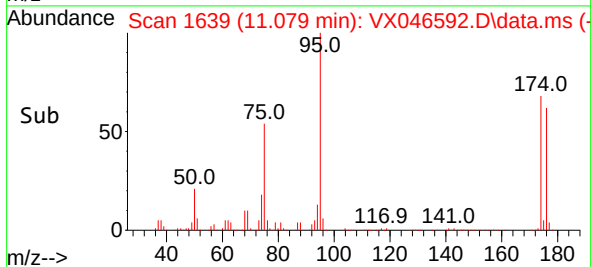
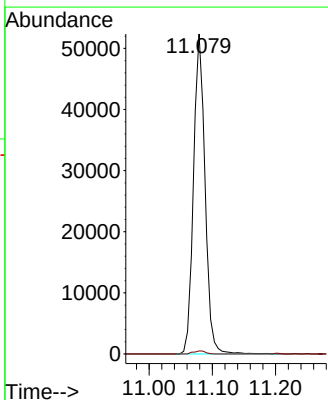
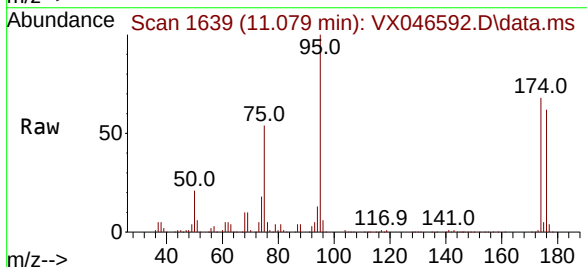
Instrument :
 MSVOA_X
 ClientSampleId :
 ARS20-0001

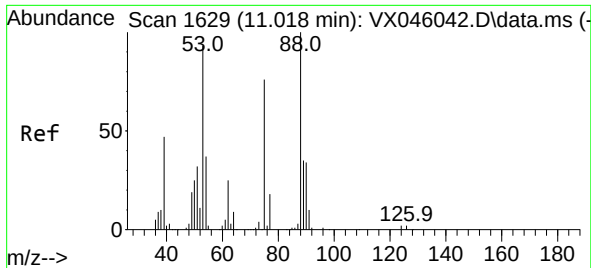
Tgt Ion:152 Resp: 110739
 Ion Ratio Lower Upper
 152 100
 115 64.7 46.9 140.7
 150 158.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.393 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046592.D
 Acq: 10 Jun 2025 11:27

Tgt Ion: 75 Resp: 66599
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.904 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046592.D
Acq: 10 Jun 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
ARS20-0001

Tgt Ion: 75 Resp: 66599
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

