

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046449.D
 Acq On : 02 Jun 2025 17:09
 Operator : JC/MD
 Sample : Q2155-02
 Misc : 3.40g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 447-SOLID

Quant Time: Jun 03 01:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

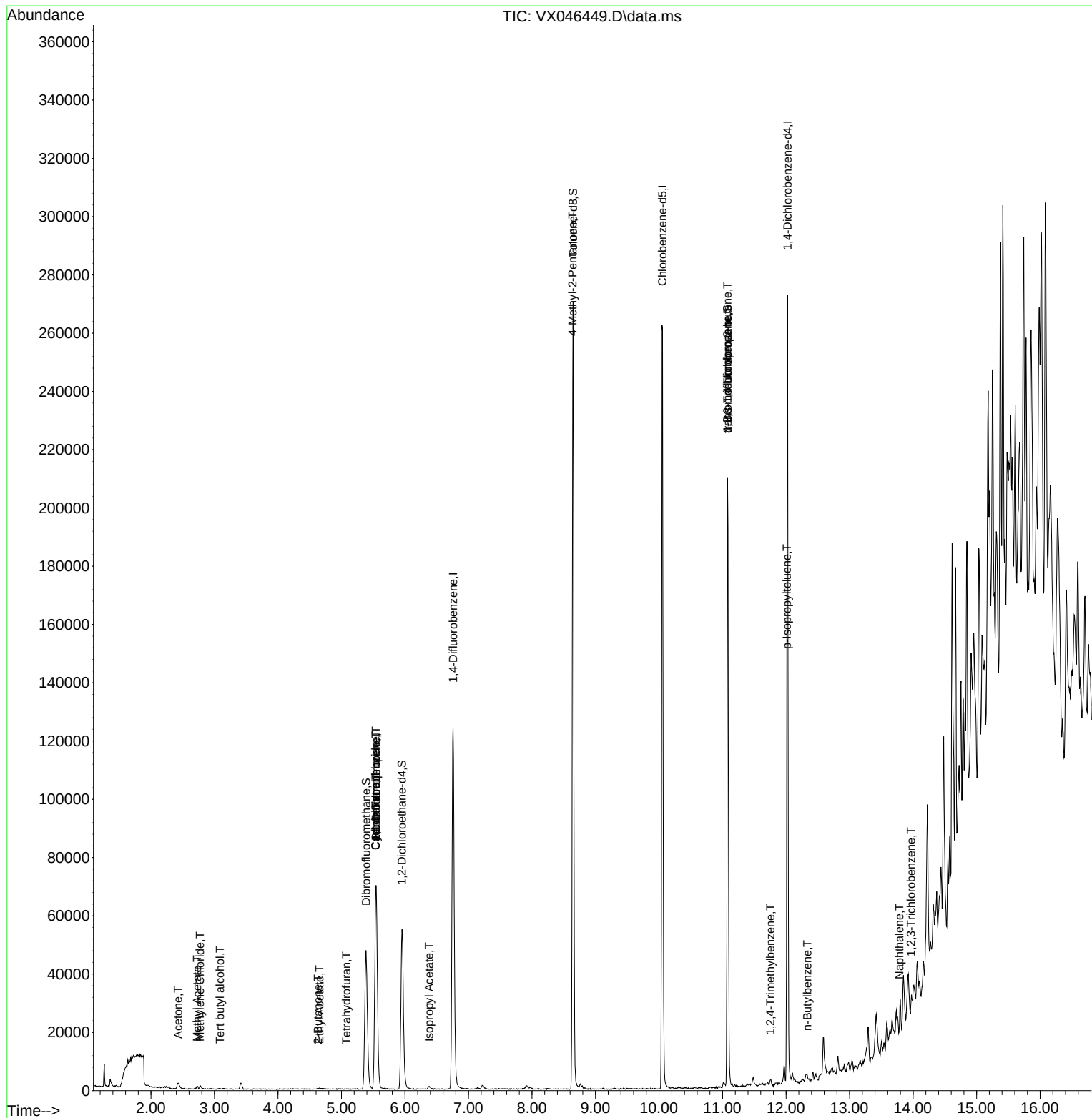
Internal Standards						
1) Pentafluorobenzene	5.544	168	59640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57950	52.119	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.240%	
35) Dibromofluoromethane	5.385	113	41289	47.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.520%	
50) Toluene-d8	8.647	98	152350	50.388	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	11.079	95	59167	51.015	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.087	59	320	2.050	ug/l #	72
16) Acetone	2.428	43	3627	8.136	ug/l #	89
18) Methyl Acetate	2.727	43	1369	1.323	ug/l	98
20) Methylene Chloride	2.770	84	664	0.777	ug/l #	64
25) 2-Butanone	4.629	43	315	0.487	ug/l #	53
29) Tetrahydrofuran	5.074	42	94	0.232	ug/l #	35
31) Cyclohexane	5.537	56	1564	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6051	5.155	ug/l #	50
37) Ethyl Acetate	4.653	43	305	0.210	ug/l #	70
38) Carbon Tetrachloride	5.537	117	7398	5.610	ug/l #	16
43) Isopropyl Acetate	6.379	43	641	0.290	ug/l #	63
51) 4-Methyl-2-Pentanone	8.641	43	853	0.581	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33093	27.137	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33093	88.351	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	952	0.285	ug/l	99
86) p-Isopropyltoluene	12.012	119	1070	0.318	ug/l #	40
89) n-Butylbenzene	12.335	91	623	0.211	ug/l #	78
95) Naphthalene	13.786	128	1094	0.310	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.969	180	658	0.662	ug/l #	1

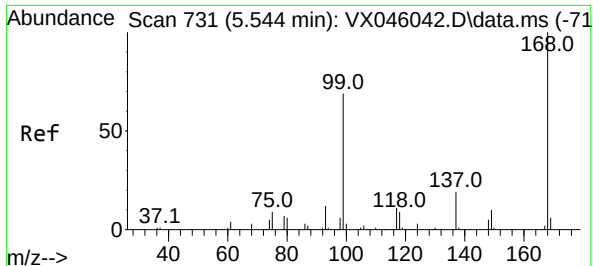
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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: VX046449.D
Acq: 02 Jun 2025 17:09

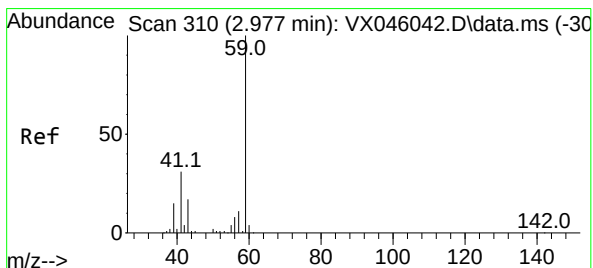
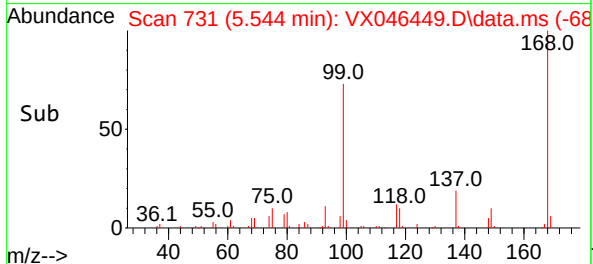
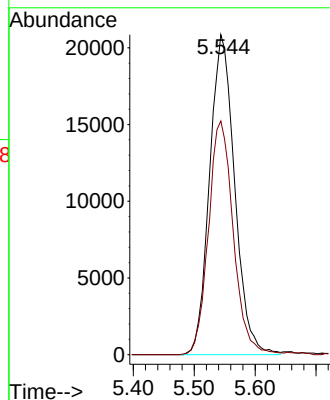
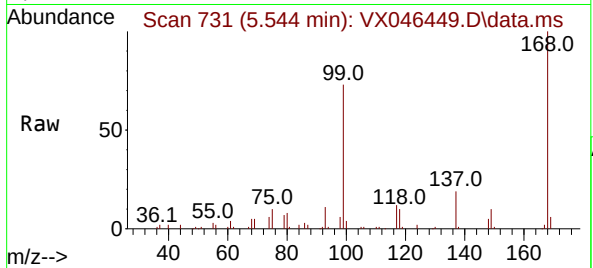
Instrument :

MSVOA_X

ClientSampleId :

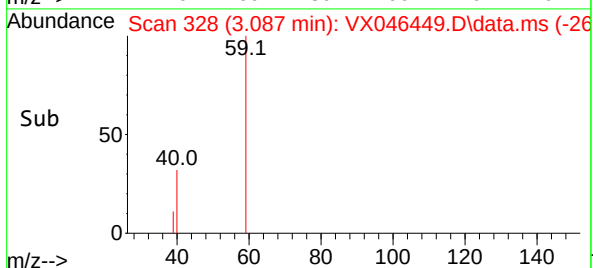
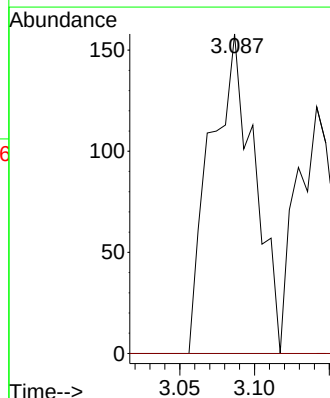
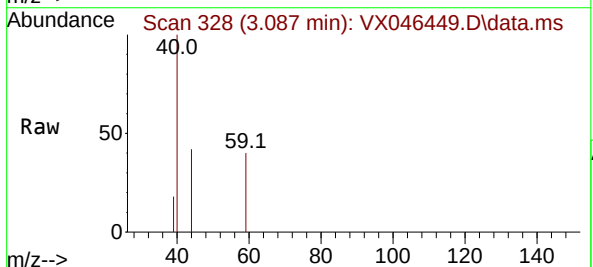
447-SOLID

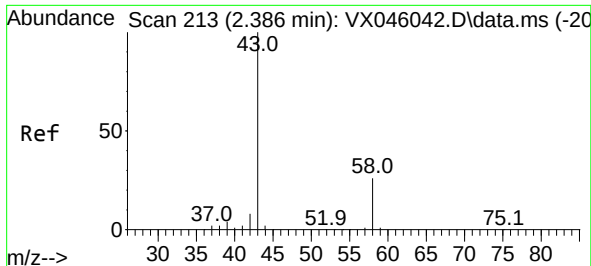
Tgt Ion:168 Resp: 59640
Ion Ratio Lower Upper
168 100
99 73.1 54.9 82.3



#11
Tert butyl alcohol
Concen: 2.050 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.110 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

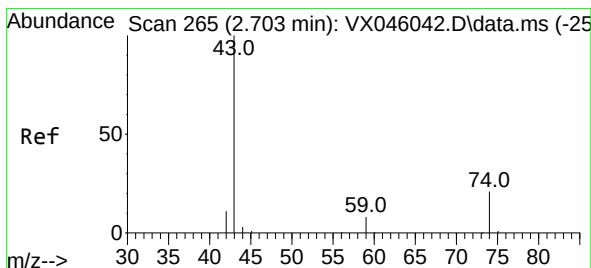
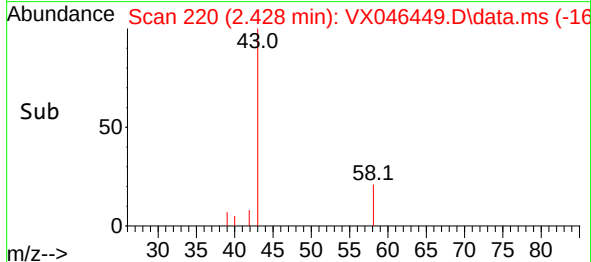
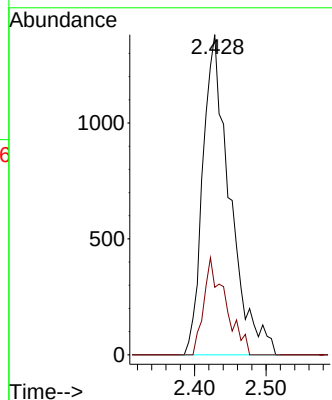
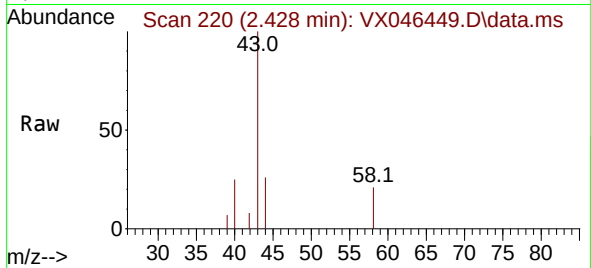




#16
Acetone
Concen: 8.136 ug/l
RT: 2.428 min Scan# 213
Delta R.T. 0.042 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

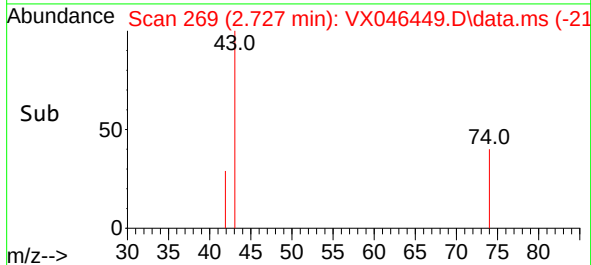
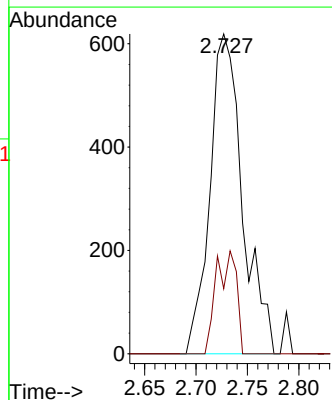
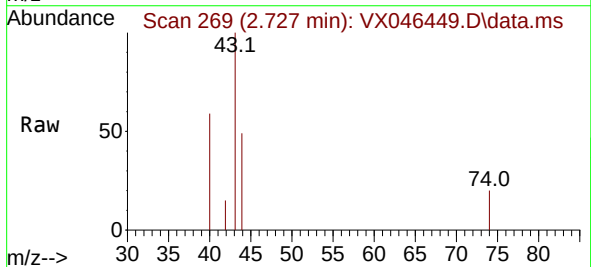
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

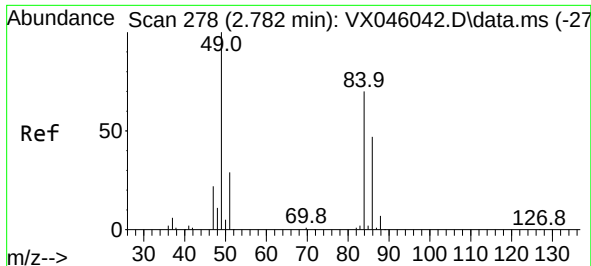
Tgt Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
58 21.1 21.2 31.8#



#18
Methyl Acetate
Concen: 1.323 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.024 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
74 19.8 16.7 25.1

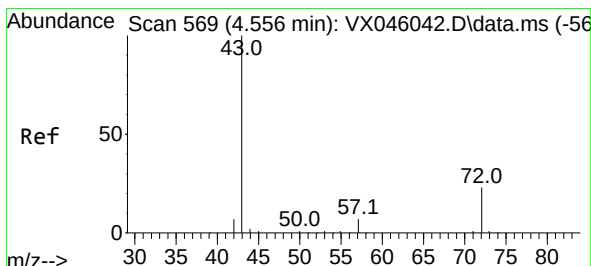
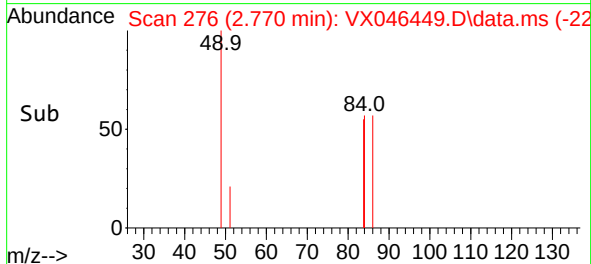
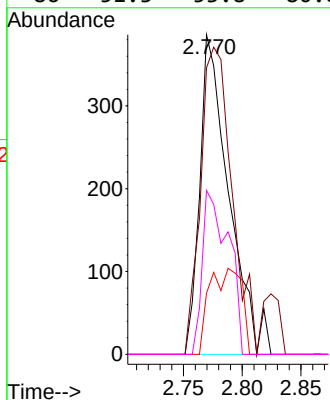
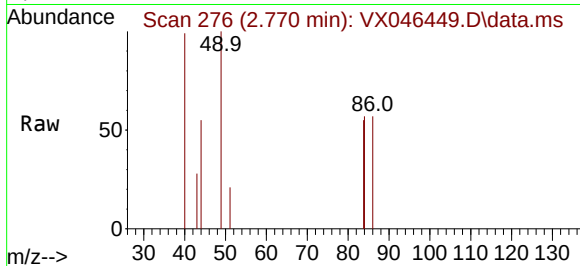




#20
Methylene Chloride
Concen: 0.777 ug/l
RT: 2.770 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

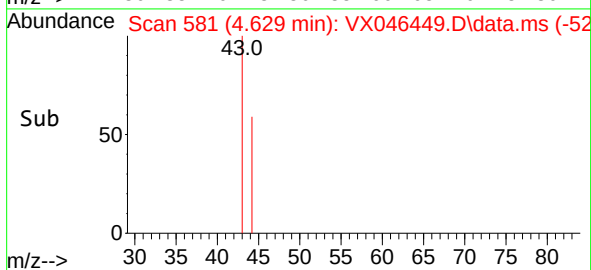
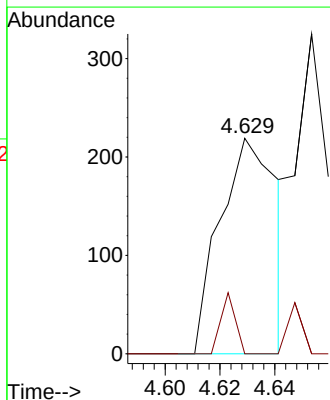
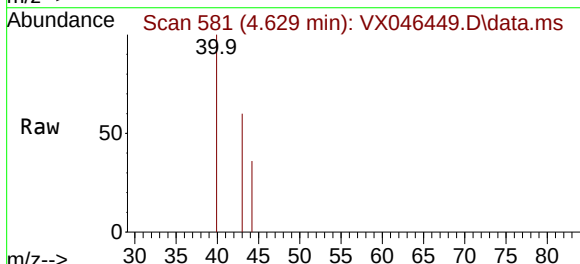
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

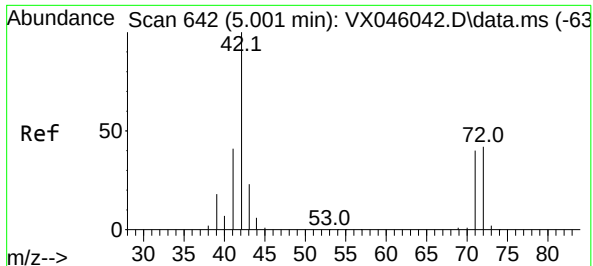
Tgt Ion:	84	Resp:	664
Ion	Ratio	Lower	Upper
84	100		
49	89.6	113.9	170.9#
51	19.2	33.5	50.3#
86	51.3	53.8	80.8#



#25
2-Butanone
Concen: 0.487 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.073 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion:	43	Resp:	315
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.073 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

447-SOLID

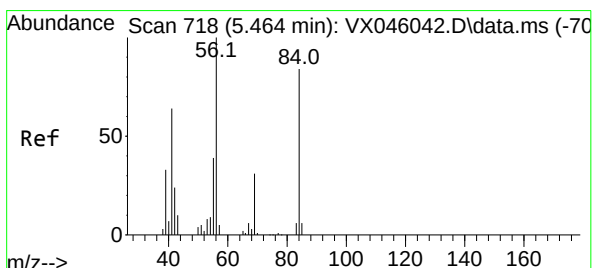
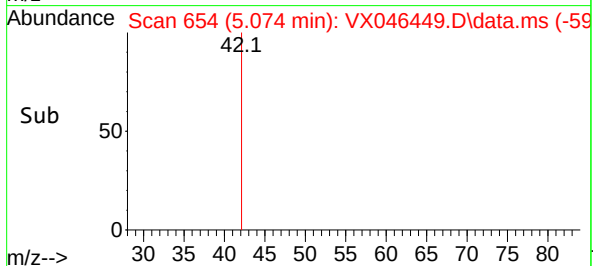
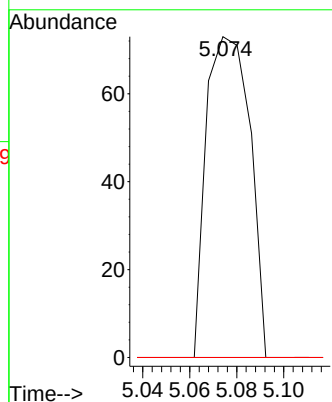
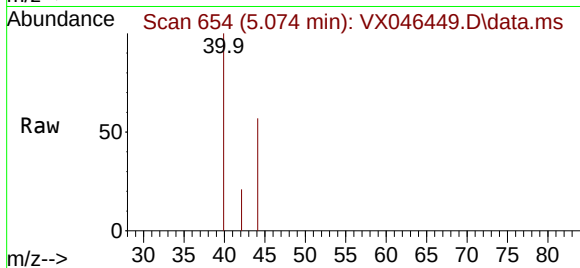
Tgt Ion: 42 Resp: 94

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

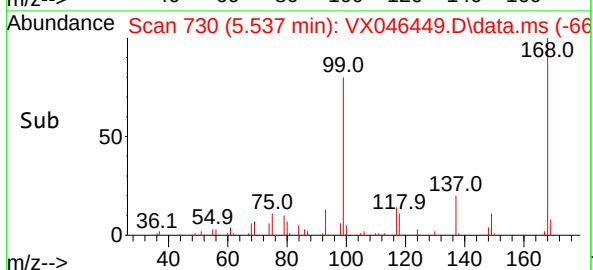
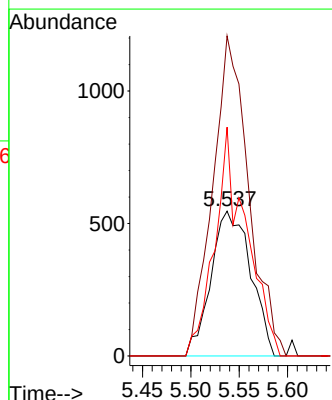
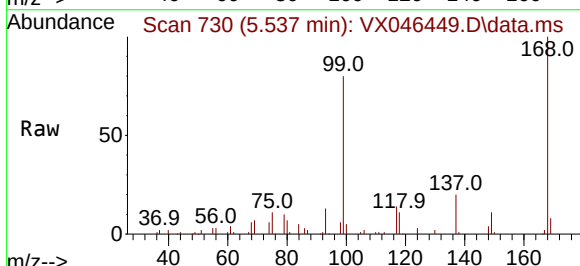
Tgt Ion: 56 Resp: 1564

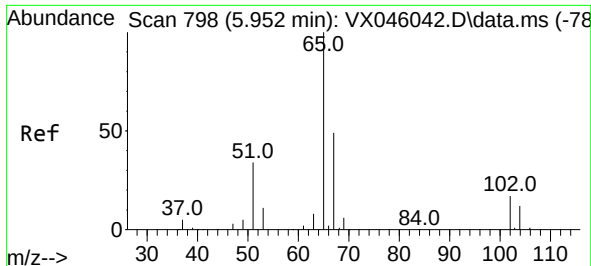
Ion Ratio Lower Upper

56 100

69 220.8 24.4 36.6#

84 158.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 52.119 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

Instrument :

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ClientSampleId :

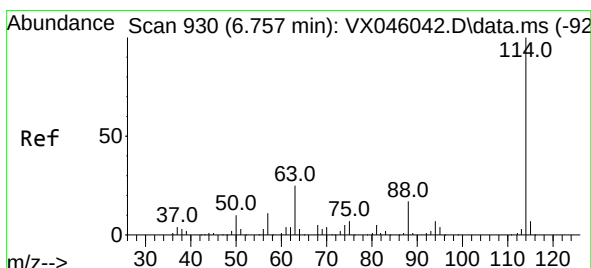
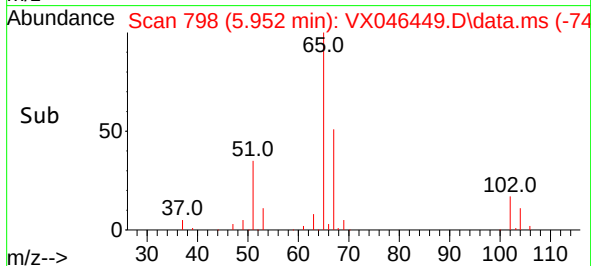
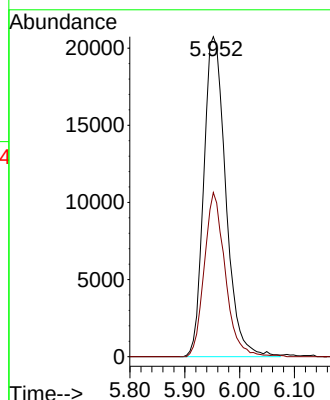
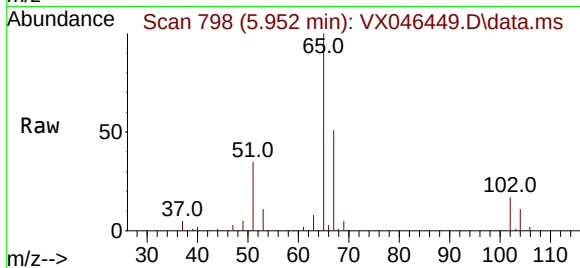
447-SOLID

Tgt Ion: 65 Resp: 57950

Ion Ratio Lower Upper

65 100

67 48.8 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: VX046449.D

Acq: 02 Jun 2025 17:09

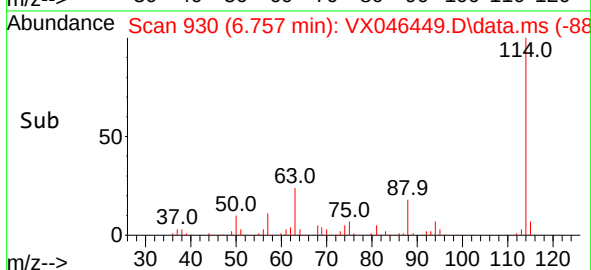
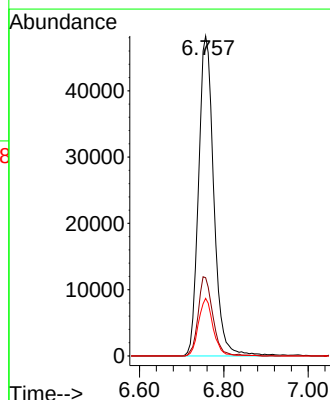
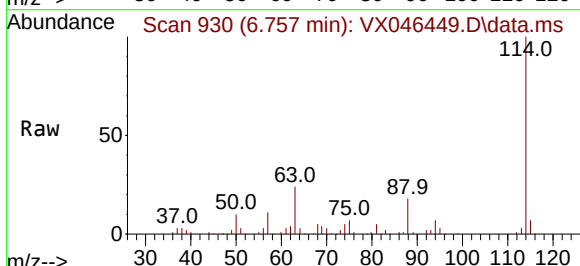
Tgt Ion: 114 Resp: 121312

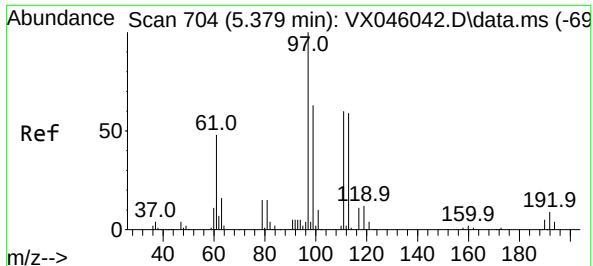
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.264 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

Instrument :

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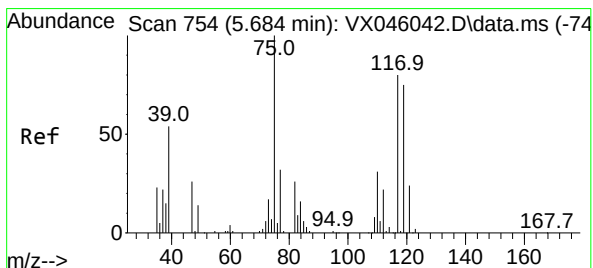
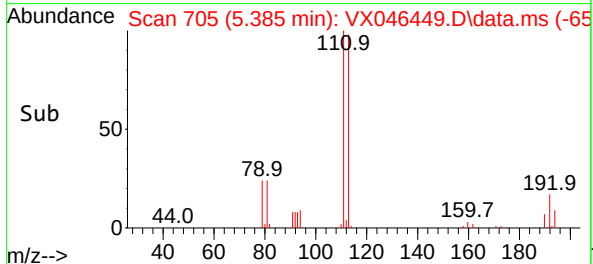
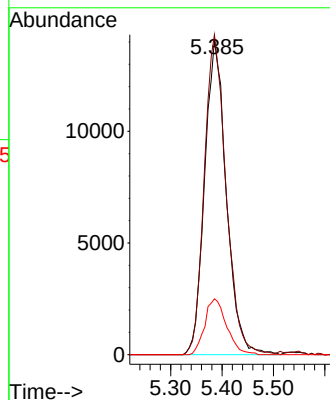
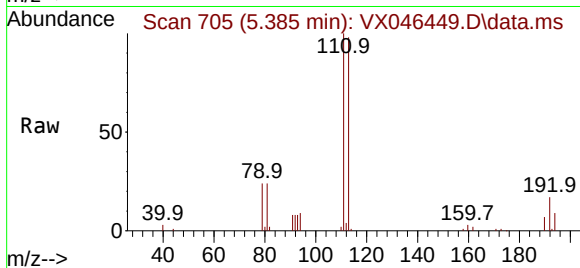
Tgt Ion:113 Resp: 41289

Ion Ratio Lower Upper

113 100

111 102.0 83.1 124.7

192 17.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.155 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

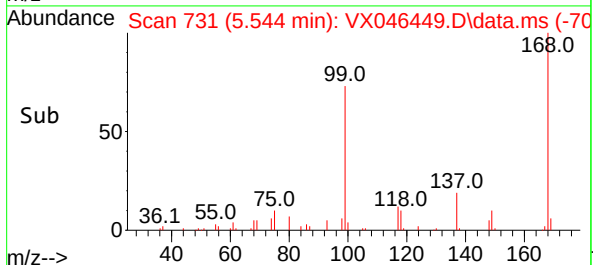
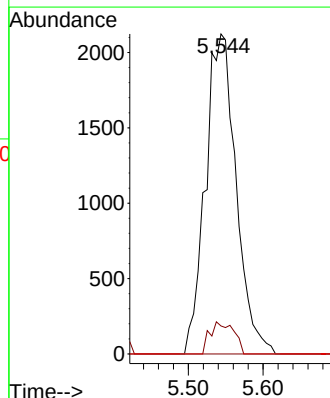
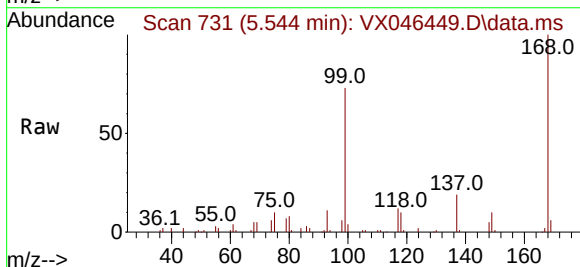
Tgt Ion: 75 Resp: 6051

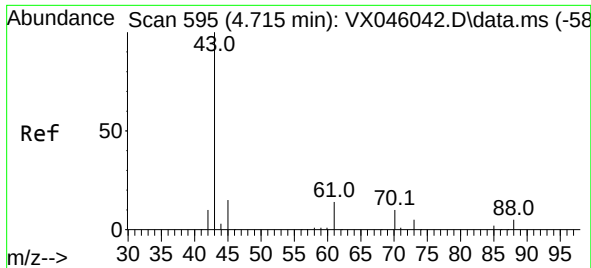
Ion Ratio Lower Upper

75 100

110 7.8 16.3 48.9#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.210 ug/l

RT: 4.653 min Scan# 51

Delta R.T. -0.061 min

Lab File: VX046449.D

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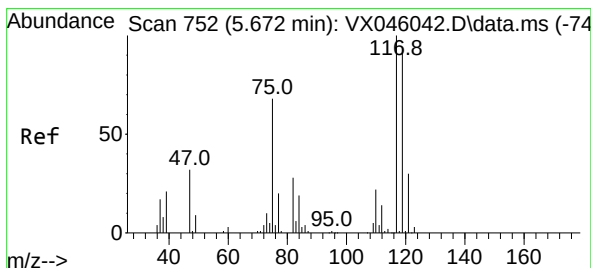
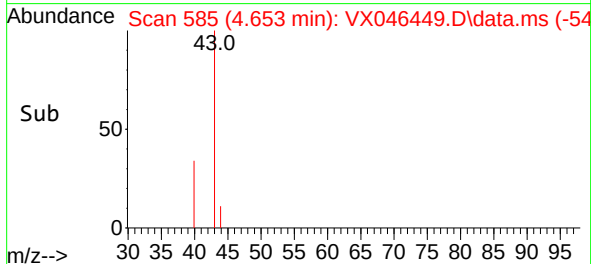
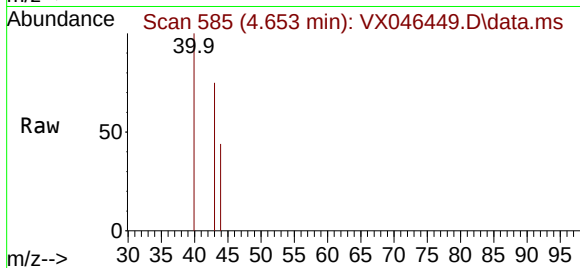
Tgt Ion: 43 Resp: 305

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.610 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

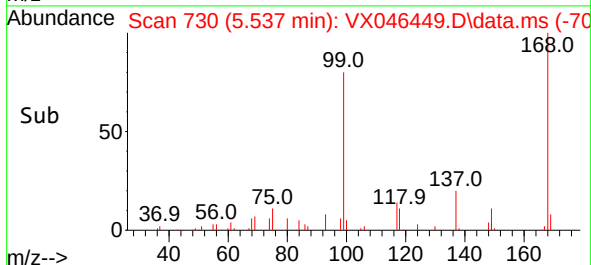
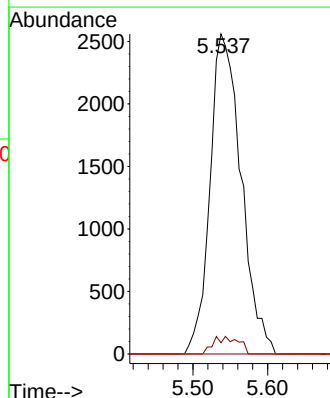
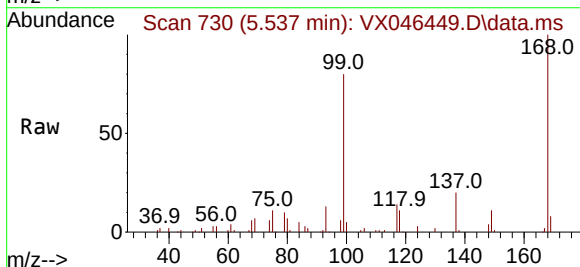
Tgt Ion: 117 Resp: 7398

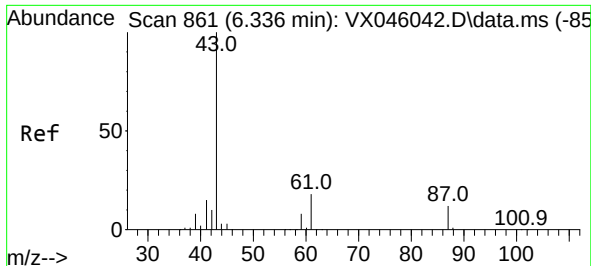
Ion Ratio Lower Upper

117 100

119 3.5 75.2 112.8#

121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.290 ug/l

RT: 6.379 min Scan# 861

Delta R.T. 0.042 min

Lab File: VX046449.D

Acq: 02 Jun 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

447-SOLID

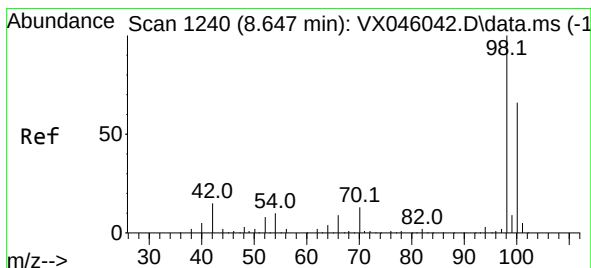
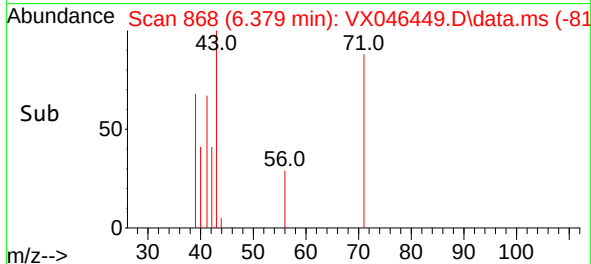
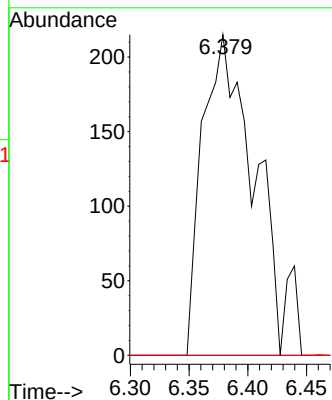
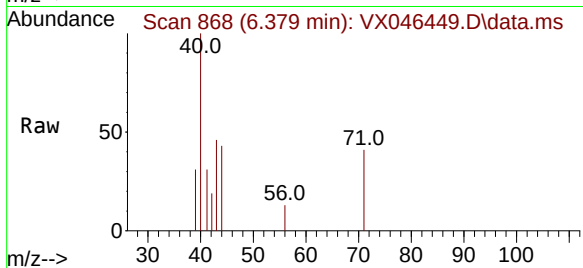
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

61 0.0 14.3 21.5#

87 0.0 9.5 14.3#



#50

Toluene-d8

Concen: 50.388 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046449.D

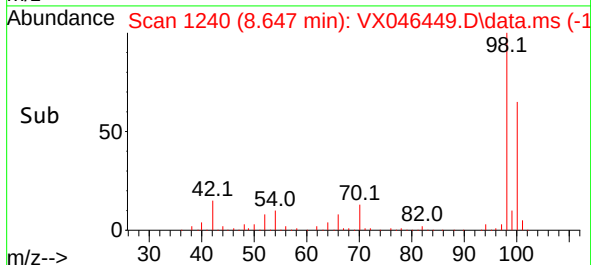
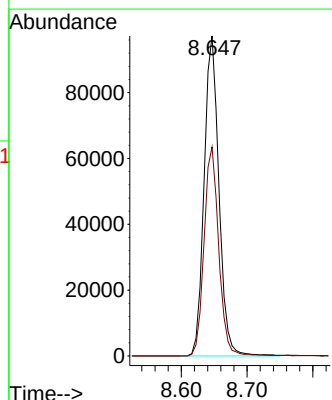
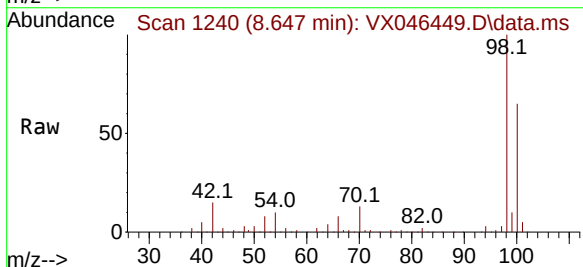
Acq: 02 Jun 2025 17:09

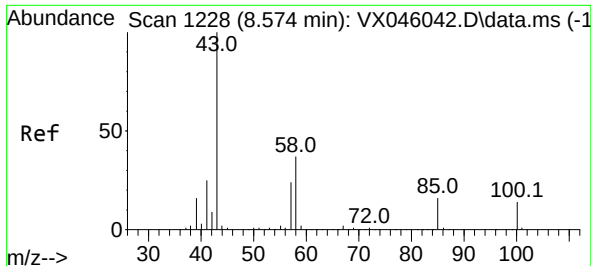
Tgt Ion: 98 Resp: 152350

Ion Ratio Lower Upper

98 100

100 64.6 53.5 80.3

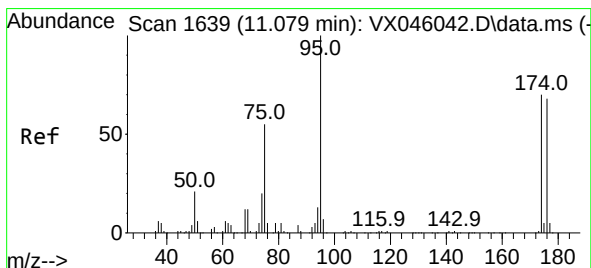
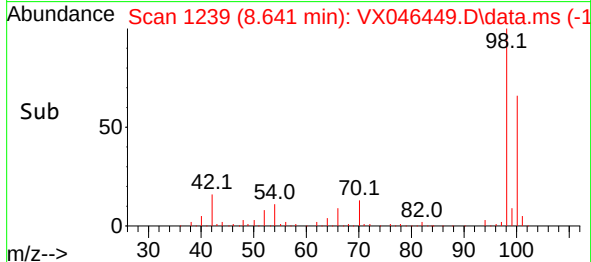
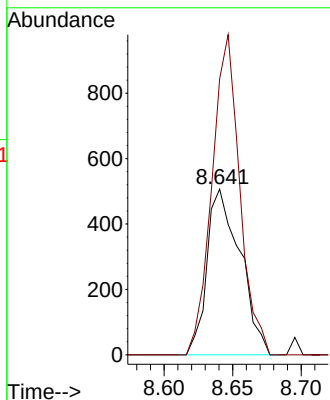
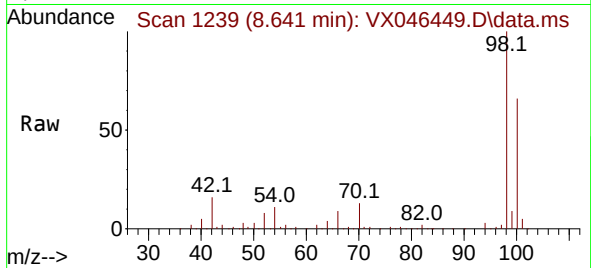




#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

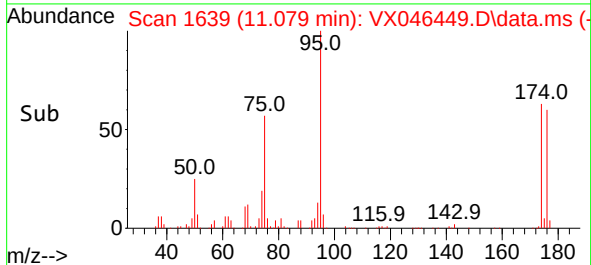
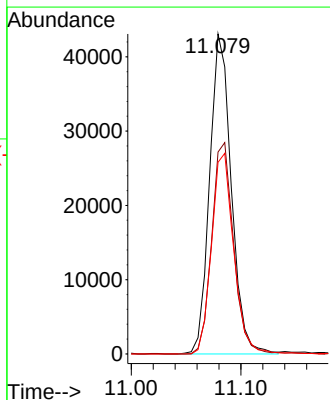
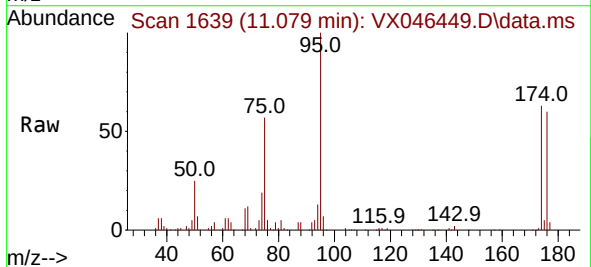
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

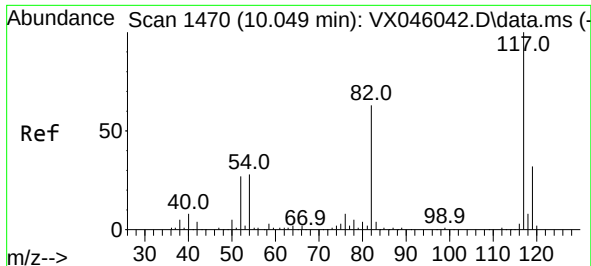
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 162.3 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 51.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion: 95 Resp: 59167
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.4 0.0 131.4

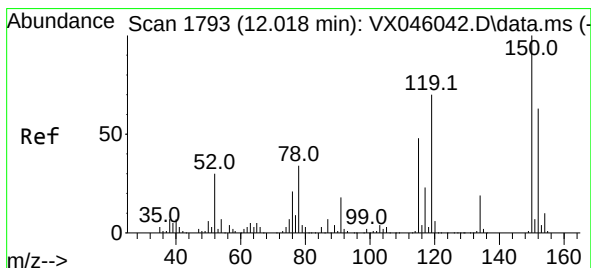
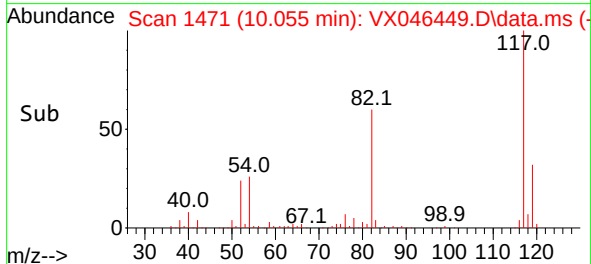
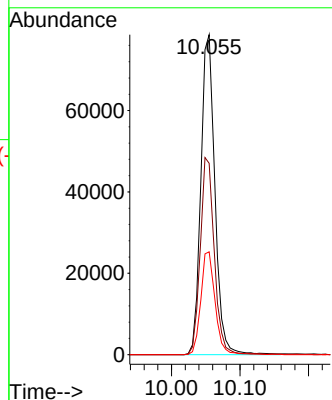
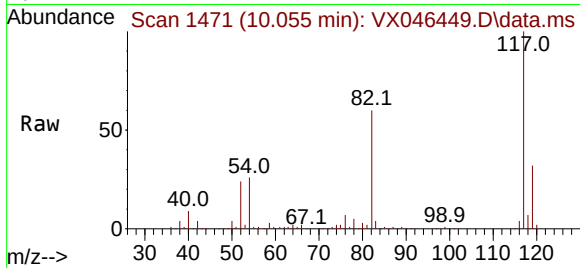




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

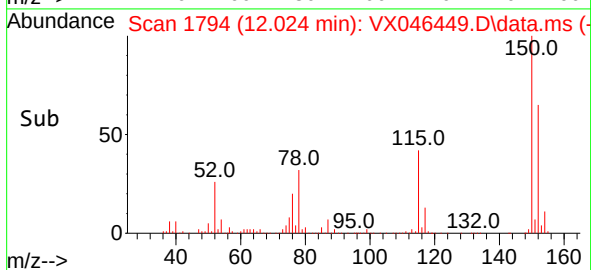
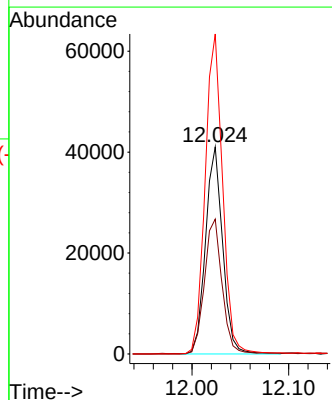
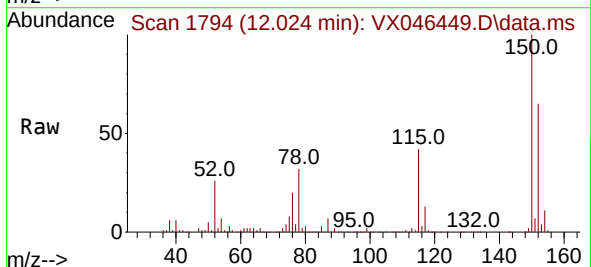
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

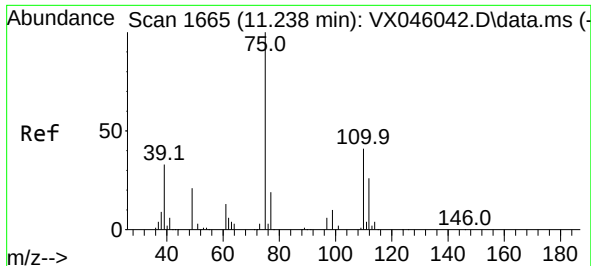
Tgt Ion:117 Resp: 112664
Ion Ratio Lower Upper
117 100
82 59.8 50.6 76.0
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion:152 Resp: 50662
Ion Ratio Lower Upper
152 100
115 66.2 46.9 140.7
150 157.6 0.0 351.0

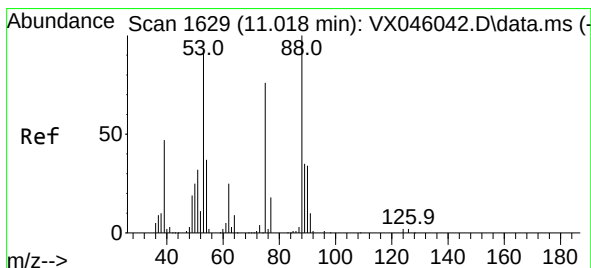
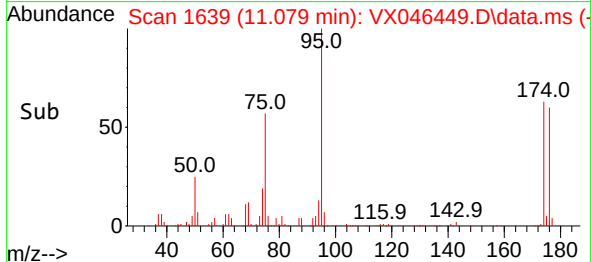
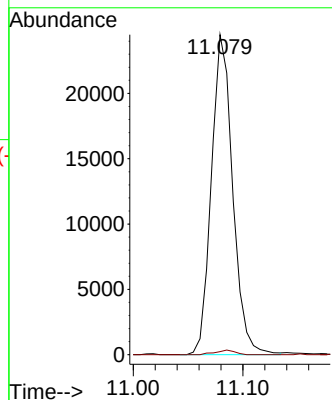
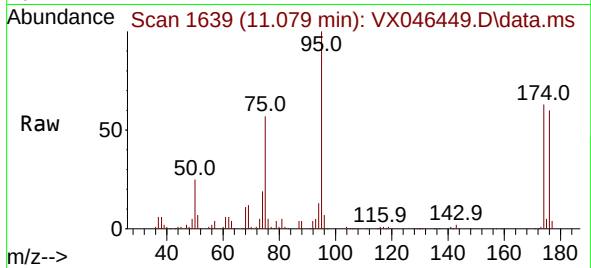




#76
1,2,3-Trichloropropane
Concen: 27.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

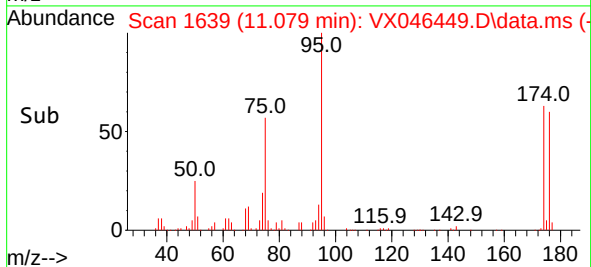
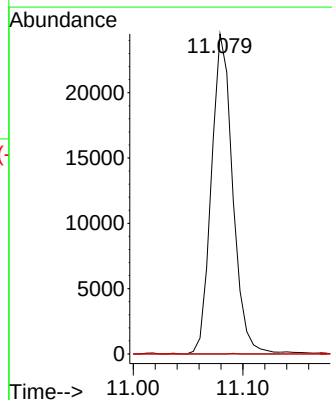
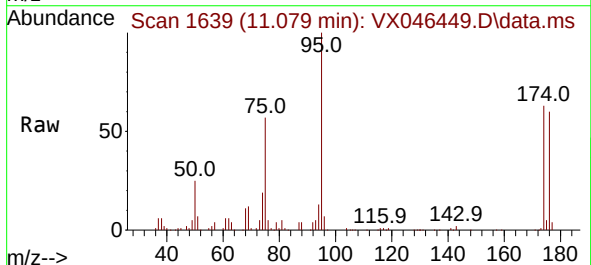
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

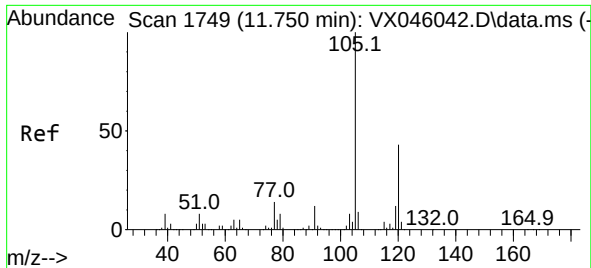
Tgt Ion: 75 Resp: 33093
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion: 75 Resp: 33093
Ion Ratio Lower Upper
75 100
53 0.1 100.5 150.7#
89 0.0 37.0 55.6#

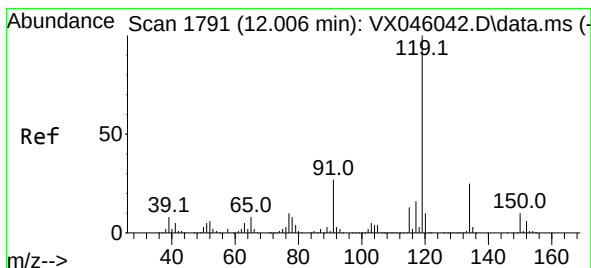
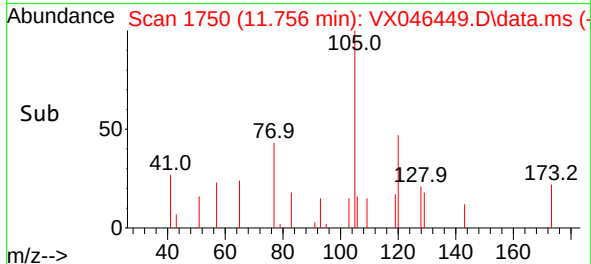
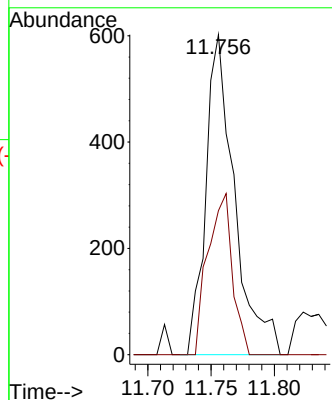
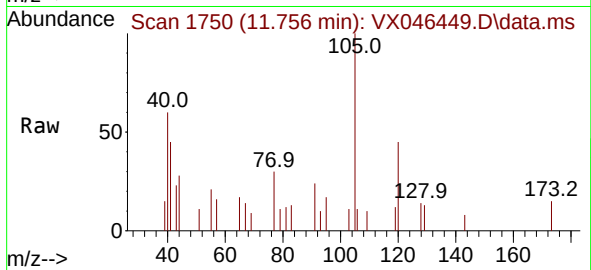




#84
1,2,4-Trimethylbenzene
Concen: 0.285 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

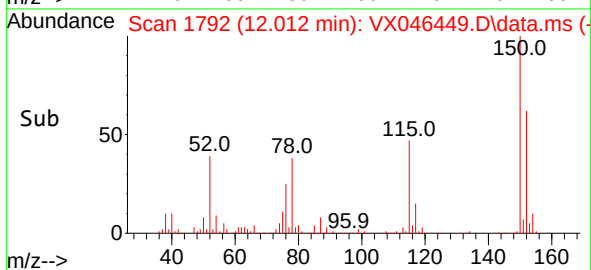
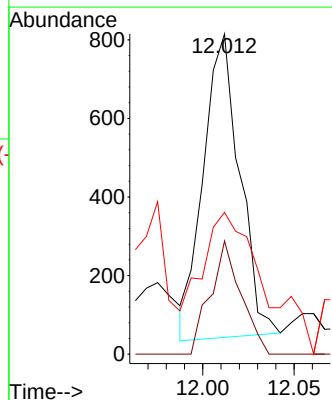
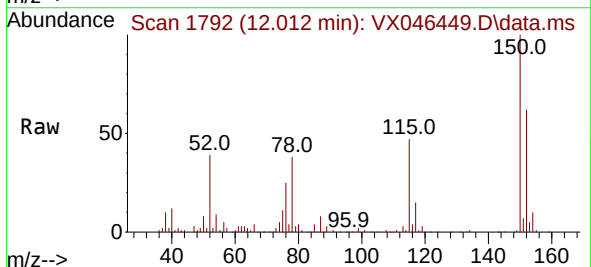
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

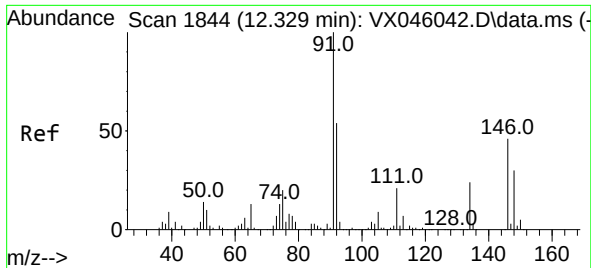
Tgt Ion:105 Resp: 952
Ion Ratio Lower Upper
105 100
120 42.9 21.2 63.6



#86
p-Isopropyltoluene
Concen: 0.318 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion:119 Resp: 1070
Ion Ratio Lower Upper
119 100
134 31.5 12.5 37.5
91 81.5 13.8 41.4#

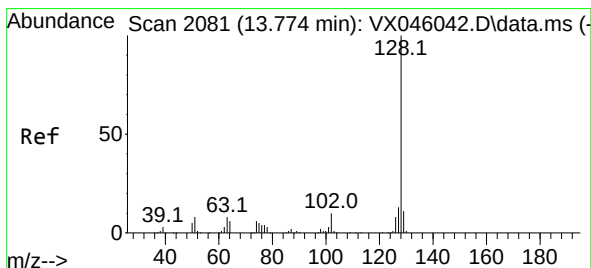
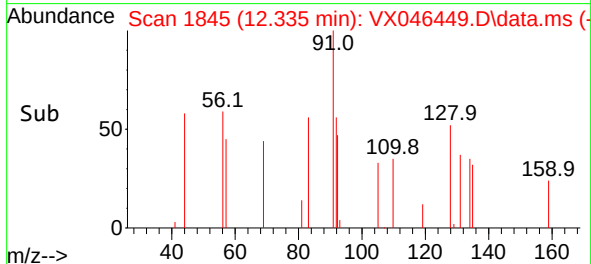
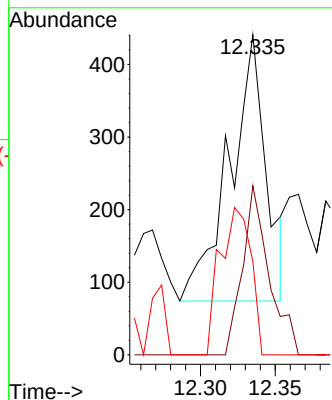
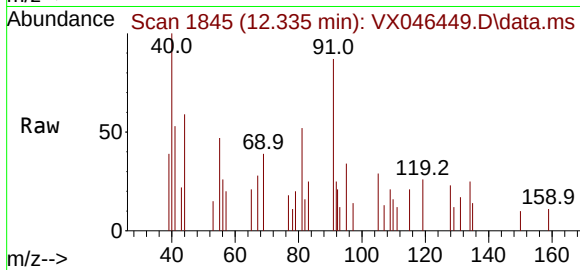




#89
n-Butylbenzene
Concen: 0.211 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

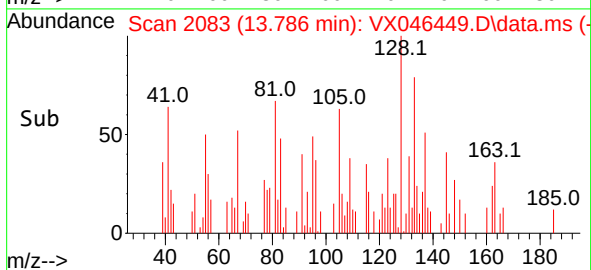
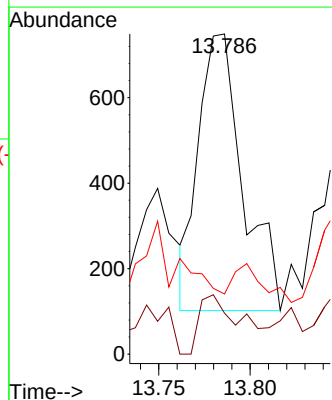
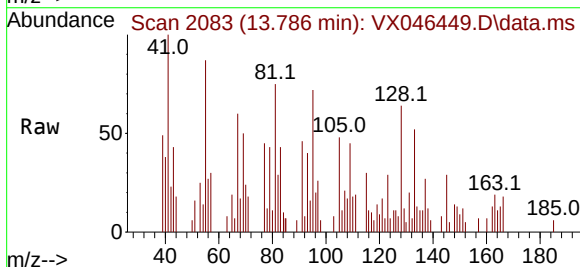
Instrument :
MSVOA_X
ClientSampleId :
447-SOLID

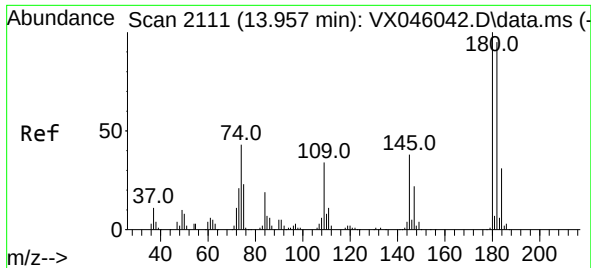
Tgt Ion: 91	Resp: 623
Ion Ratio	Lower Upper
91 100	
92 46.2	26.9 80.7
134 46.9	11.8 35.3#



#95
Naphthalene
Concen: 0.310 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX046449.D
Acq: 02 Jun 2025 17:09

Tgt Ion:128	Resp:	1094	
Ion Ratio	Lower	Upper	
128	100		
127	19.6	10.4	15.6#
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.662 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX046449.D
 Acq: 02 Jun 2025 17:09

Instrument :
 MSVOA_X
 ClientSampleId :
 447-SOLID

Tgt Ion:180 Resp: 658
 Ion Ratio Lower Upper
 180 100
 182 30.5 47.8 143.3#
 145 176.3 18.1 54.3#

