

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047424.D
 Acq On : 19 Aug 2025 19:25
 Operator : JC/MD
 Sample : Q2884-03DL 10X
 Misc : 3.80g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 302DL

Quant Time: Aug 20 01:33:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

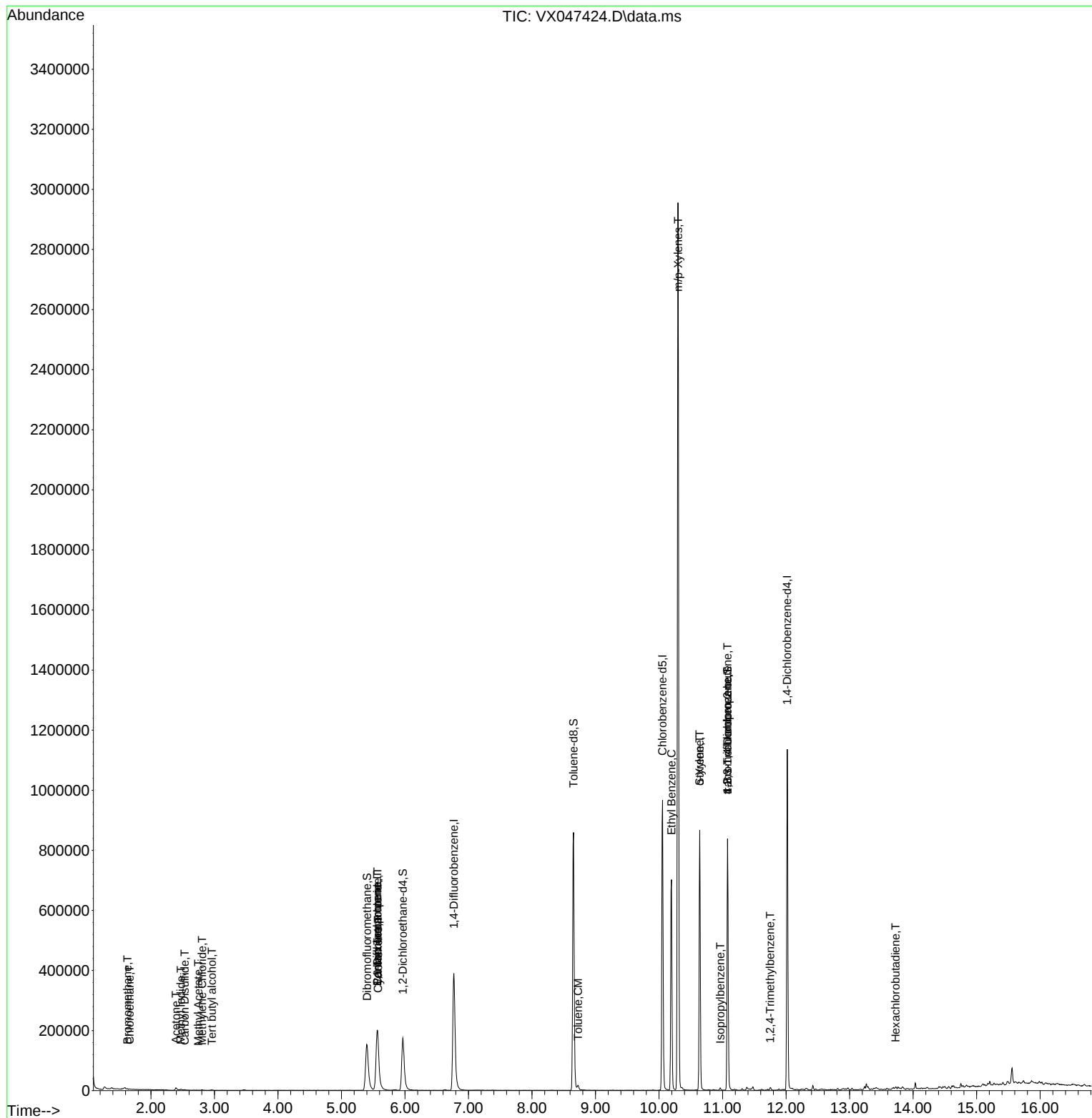
Internal Standards						
1) Pentafluorobenzene	5.562	168	210767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	429437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	439297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	185180	62.778	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.560%#			
35) Dibromofluoromethane	5.403	113	149712	53.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.440%			
50) Toluene-d8	8.653	98	524473	52.648	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.300%			
62) 4-Bromofluorobenzene	11.079	95	219439	59.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.380%			
Target Compounds						Qvalue
5) Bromomethane	1.630	94	433	0.353	ug/l	89
6) Chloroethane	1.666	64	997	0.537	ug/l #	87
10) Methyl Iodide	2.471	142	3757	0.842	ug/l	99
11) Tert butyl alcohol	2.959	59	121	0.472	ug/l #	72
16) Acetone	2.392	43	11171	10.075	ug/l	98
17) Carbon Disulfide	2.532	76	2084	0.260	ug/l #	94
18) Methyl Acetate	2.745	43	771	0.268	ug/l #	53
20) Methylene Chloride	2.806	84	785	0.267	ug/l #	69
31) Cyclohexane	5.574	56	4439	0.935	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	17766	4.038	ug/l #	49
38) Carbon Tetrachloride	5.568	117	21827	4.540	ug/l #	15
52) Toluene	8.726	92	6231	0.766	ug/l	97
67) Ethyl Benzene	10.195	91	412472	22.956	ug/l	97
68) m/p-Xylenes	10.299	106	675641	100.846	ug/l	99
69) o-Xylene	10.640	106	174333	27.039	ug/l	100
70) Styrene	10.640	104	8944	0.821	ug/l #	1
73) Isopropylbenzene	10.963	105	4136	0.237	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	113654	27.814	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	113654	109.751	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	4275	0.298	ug/l	99
94) Hexachlorobutadiene	13.725	225	595	0.323	ug/l	88

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

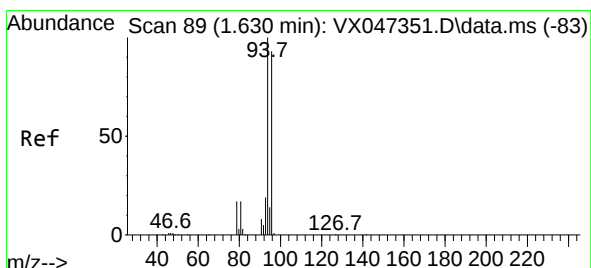
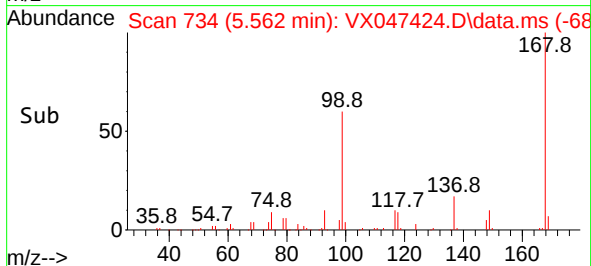
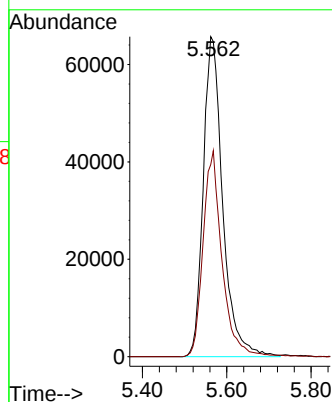
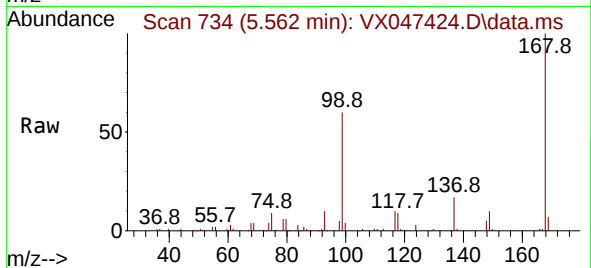




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

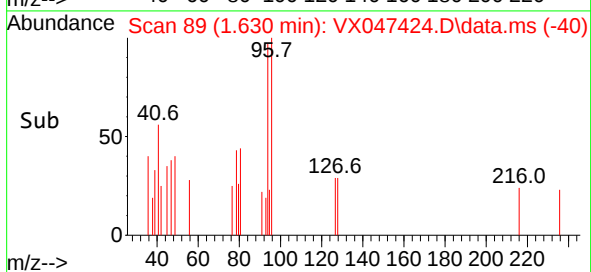
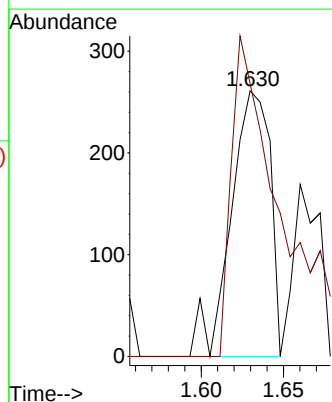
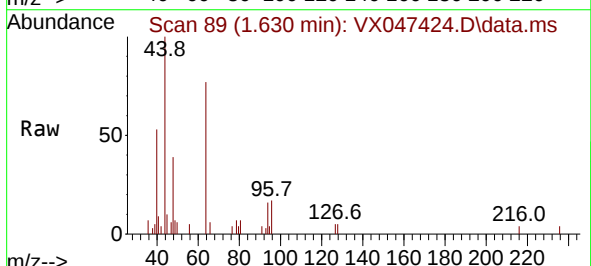
Instrument :
MSVOA_X
ClientSampleId :
302DL

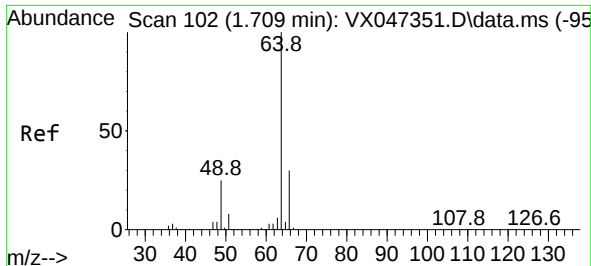
Tgt Ion:168 Resp: 210767
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion: 94 Resp: 433
Ion Ratio Lower Upper
94 100
96 83.0 74.7 112.1

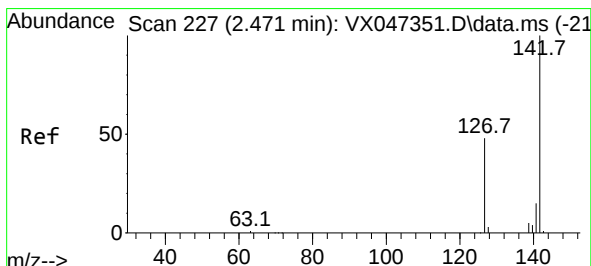
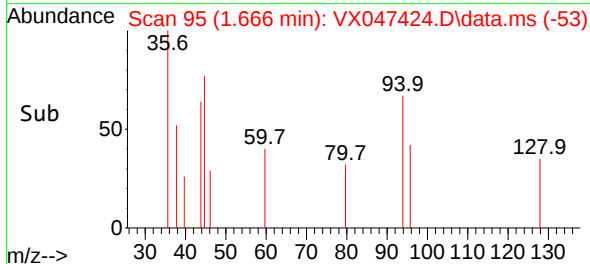
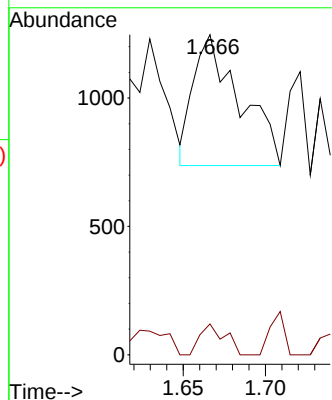
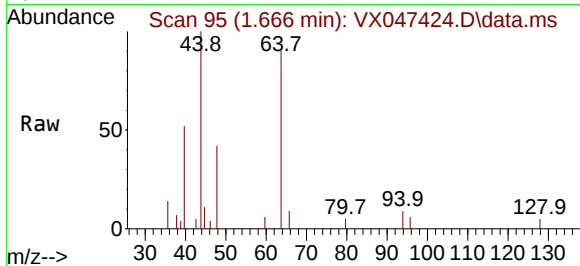




#6
Chloroethane
Concen: 0.537 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.043 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

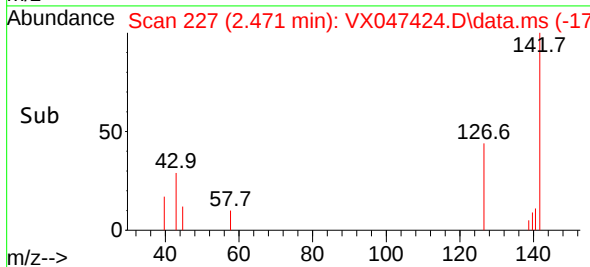
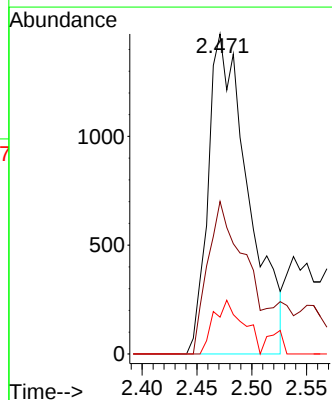
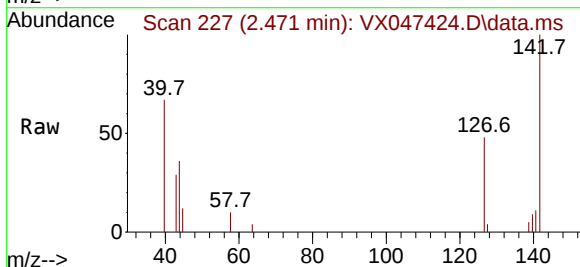
Instrument :
MSVOA_X
ClientSampleId :
302DL

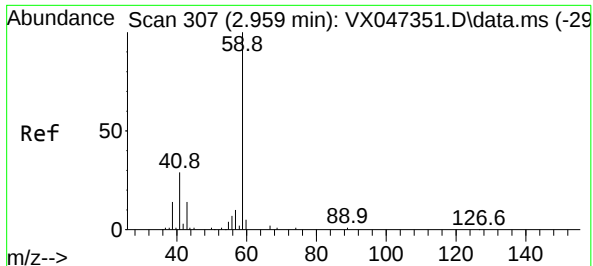
Tgt Ion: 64 Resp: 997
Ion Ratio Lower Upper
64 100
66 23.5 24.4 36.6#



#10
Methyl Iodide
Concen: 0.842 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion: 142 Resp: 3757
Ion Ratio Lower Upper
142 100
127 45.4 36.1 54.1
141 12.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 0.472 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047424.D

Acq: 19 Aug 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

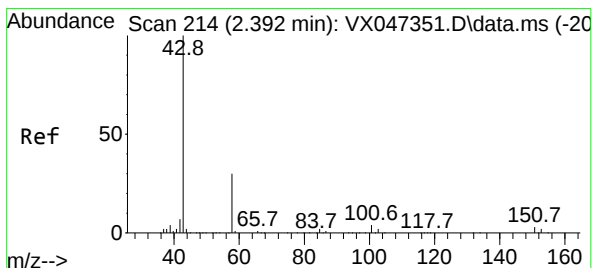
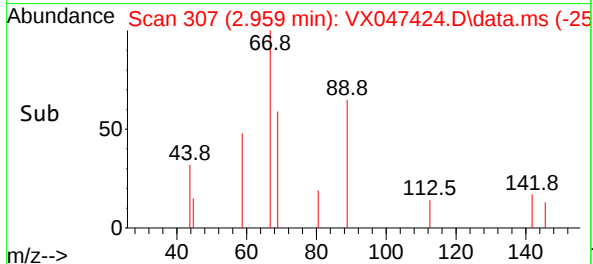
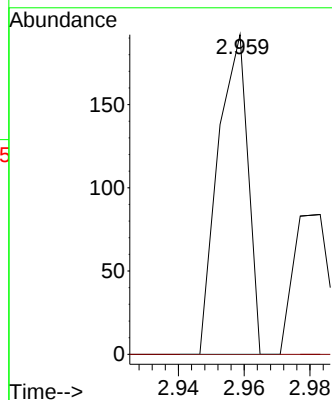
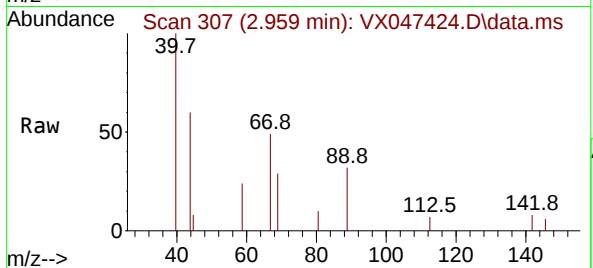
302DL

Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 10.075 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047424.D

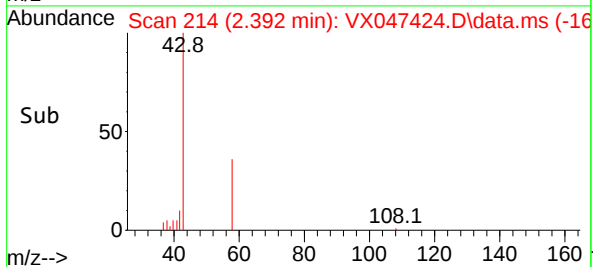
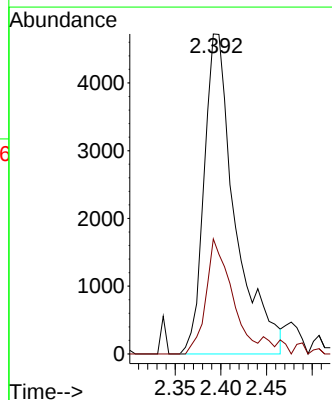
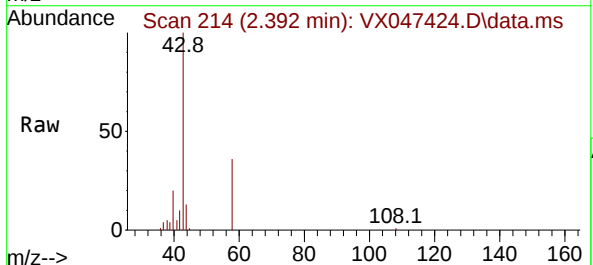
Acq: 19 Aug 2025 19:25

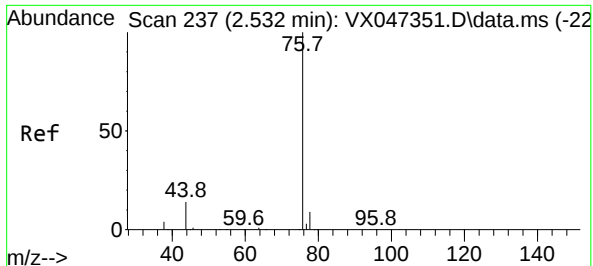
Tgt Ion: 43 Resp: 11171

Ion Ratio Lower Upper

43 100

58 31.9 24.8 37.2





#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047424.D

Acq: 19 Aug 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

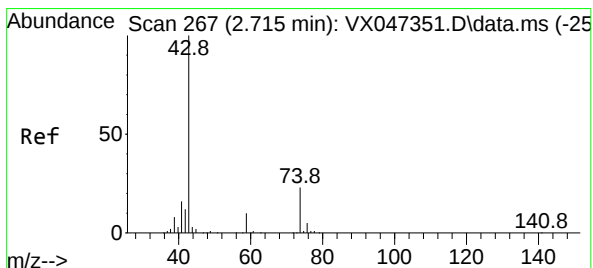
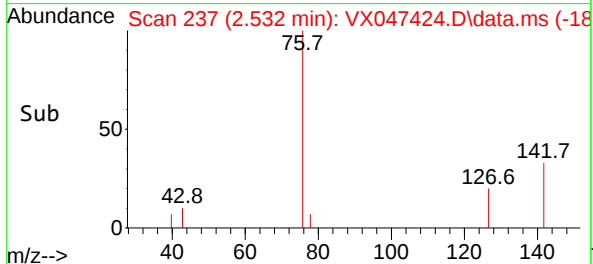
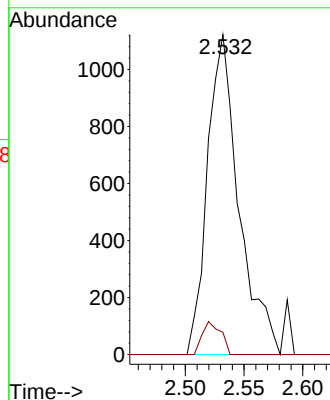
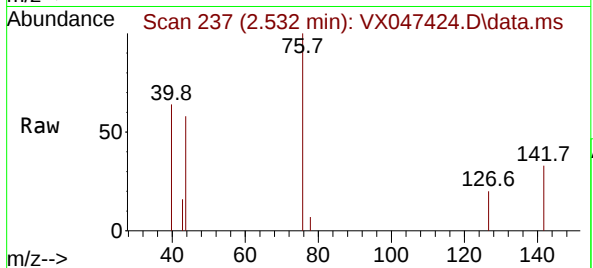
302DL

Tgt Ion: 76 Resp: 2084

Ion Ratio Lower Upper

76 100

78 7.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 2.745 min Scan# 272

Delta R.T. 0.031 min

Lab File: VX047424.D

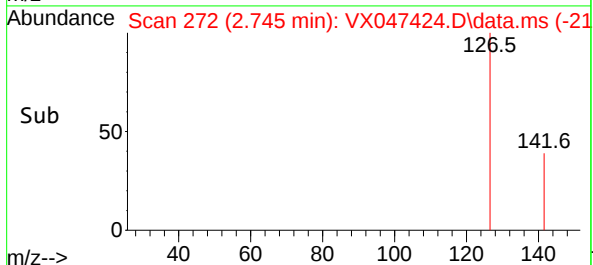
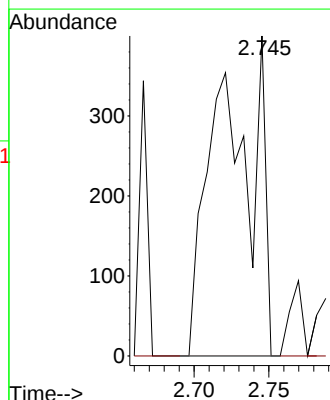
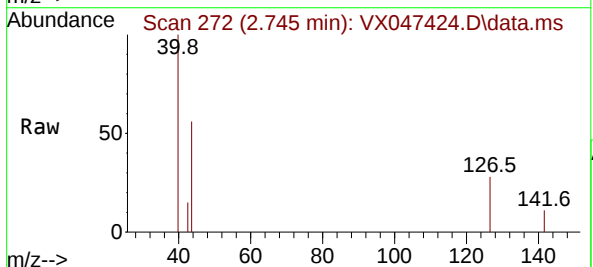
Acq: 19 Aug 2025 19:25

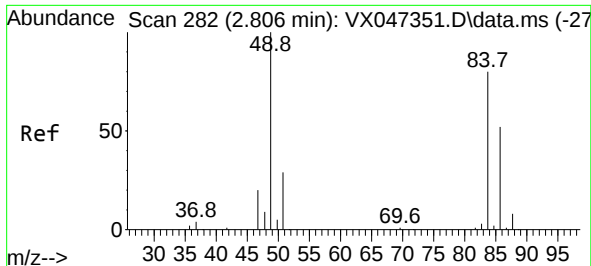
Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

74 0.0 18.4 27.6#





#20

Methylene Chloride

Concen: 0.267 ug/l

RT: 2.806 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047424.D

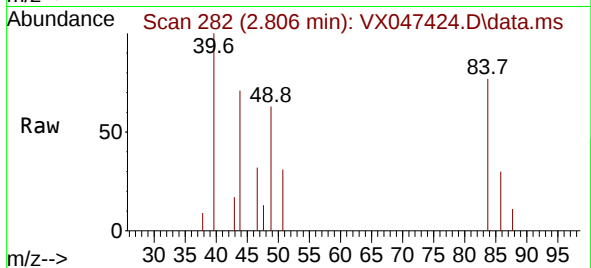
Acq: 19 Aug 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

302DL



Tgt Ion: 84 Resp: 785

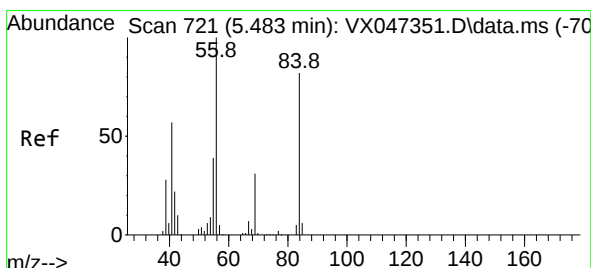
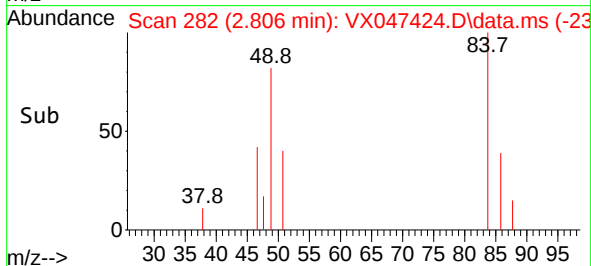
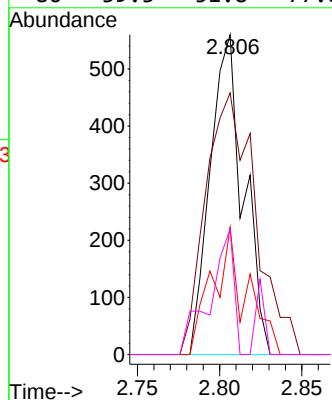
Ion Ratio Lower Upper

84 100

49 81.8 100.1 150.1#

51 39.8 29.5 44.3

86 39.3 51.8 77.8#



#31

Cyclohexane

Concen: 0.935 ug/l

RT: 5.574 min Scan# 736

Delta R.T. 0.091 min

Lab File: VX047424.D

Acq: 19 Aug 2025 19:25

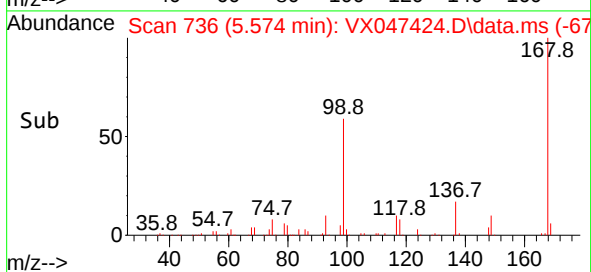
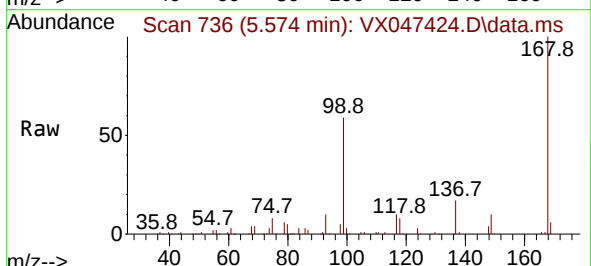
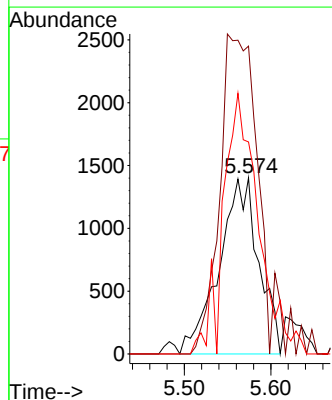
Tgt Ion: 56 Resp: 4439

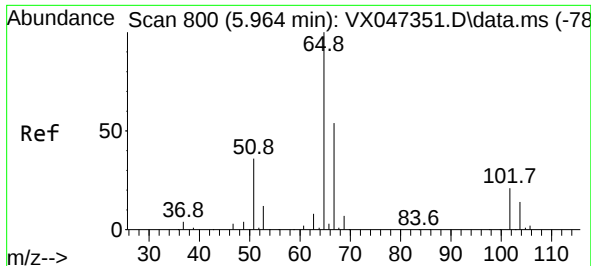
Ion Ratio Lower Upper

56 100

69 167.8 24.3 36.5#

84 115.5 65.3 97.9#

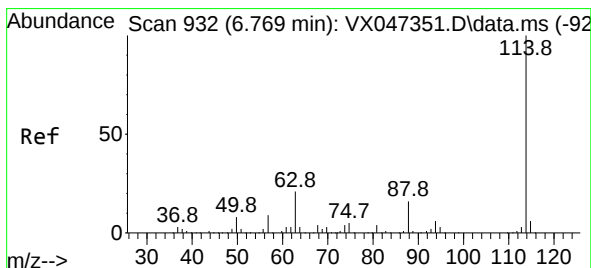
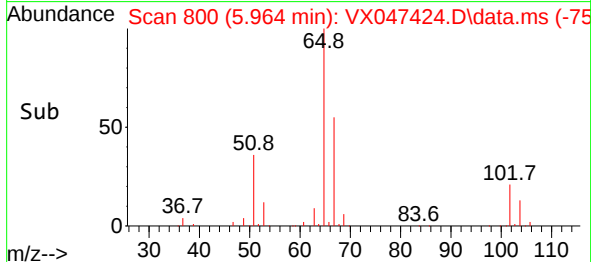
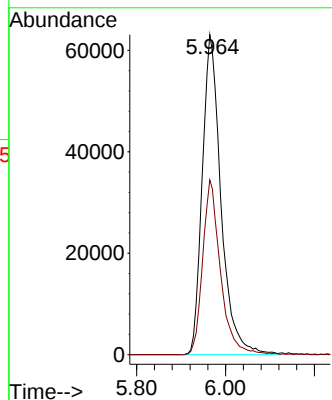
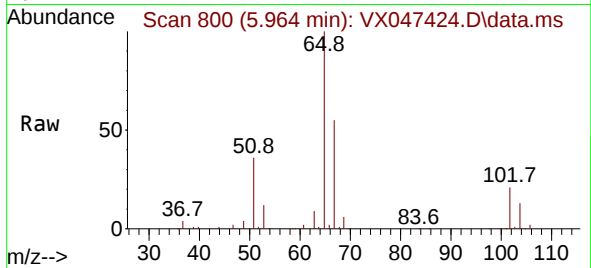




#33
 1,2-Dichloroethane-d4
 Concen: 62.778 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047424.D
 Acq: 19 Aug 2025 19:25

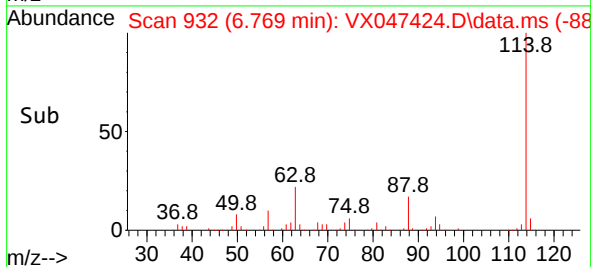
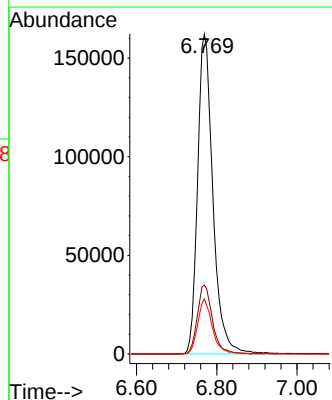
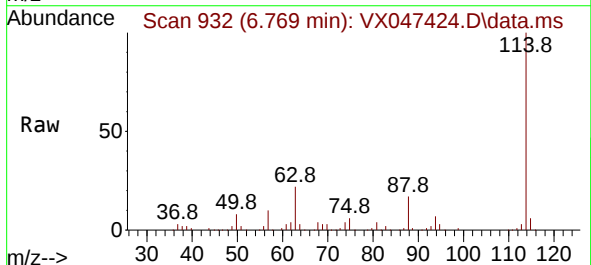
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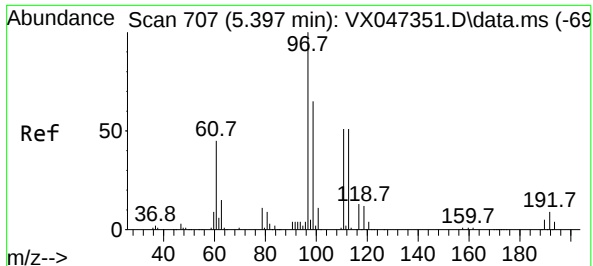
Tgt Ion: 65 Resp: 185180
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047424.D
 Acq: 19 Aug 2025 19:25

Tgt Ion: 114 Resp: 429437
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.4
 88 17.2 0.0 33.0

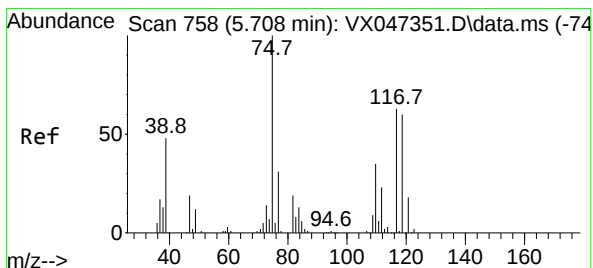
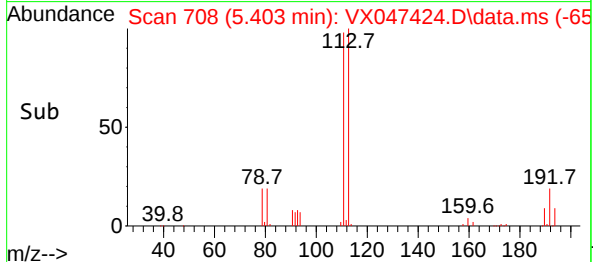
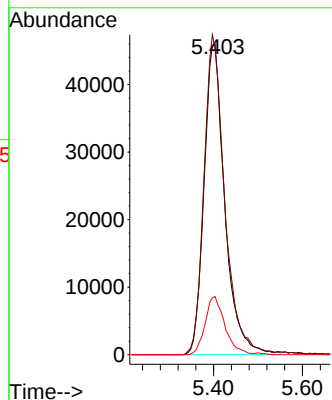
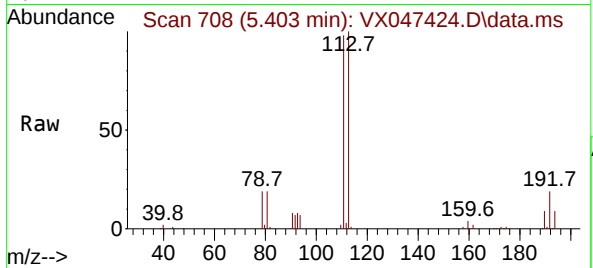




#35
Dibromofluoromethane
Concen: 53.716 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

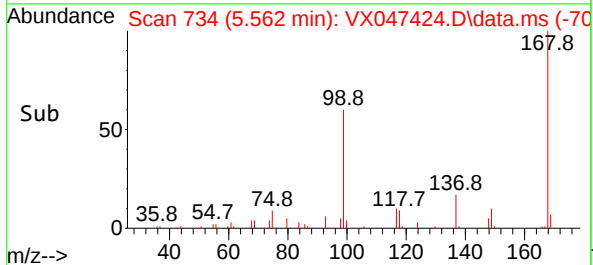
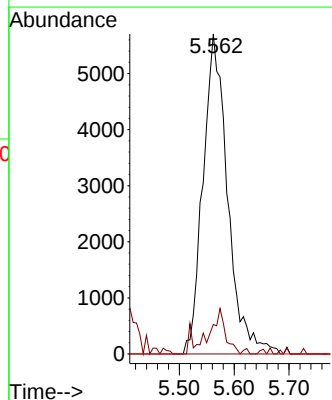
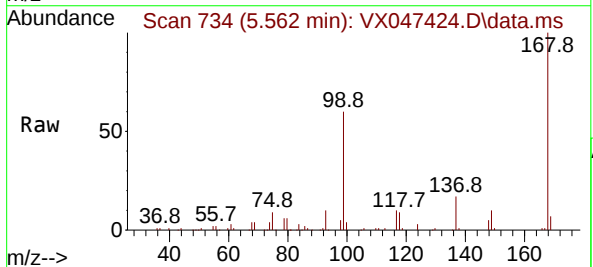
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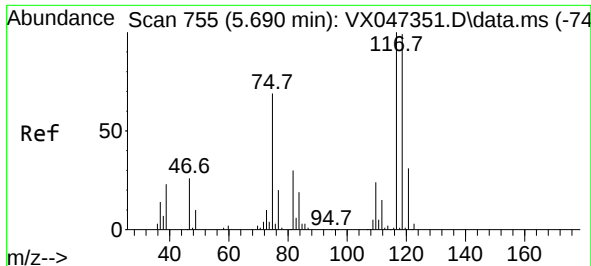
Tgt Ion:113 Resp: 149712
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.2
192 17.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.038 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

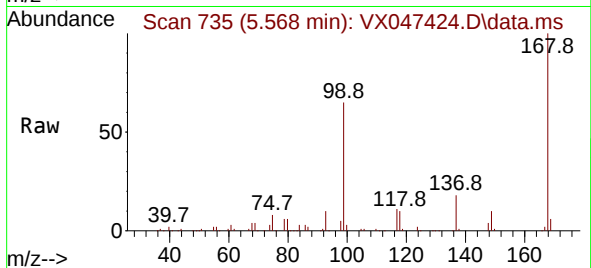
Tgt Ion: 75 Resp: 17766
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.2#
77 0.0 24.4 36.6#



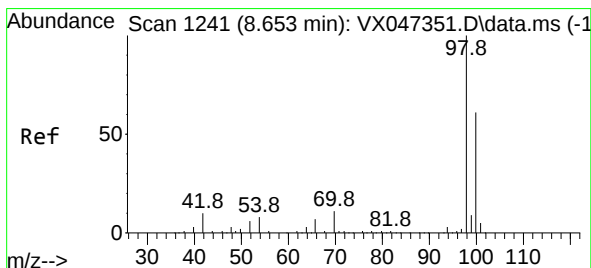
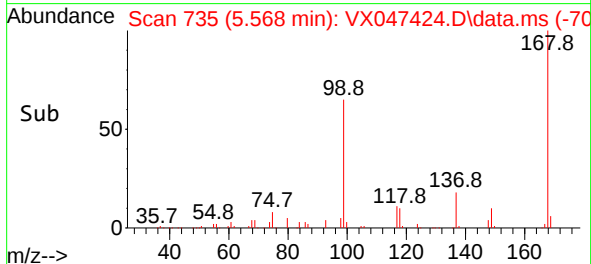
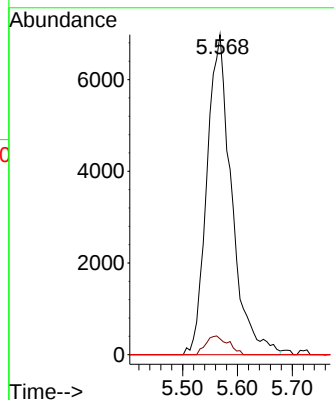


#38
Carbon Tetrachloride
Concen: 4.540 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
302DL

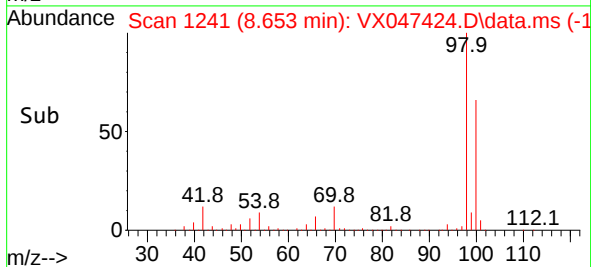
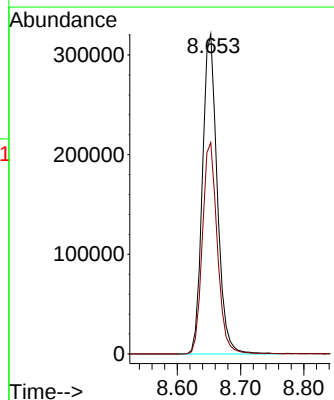
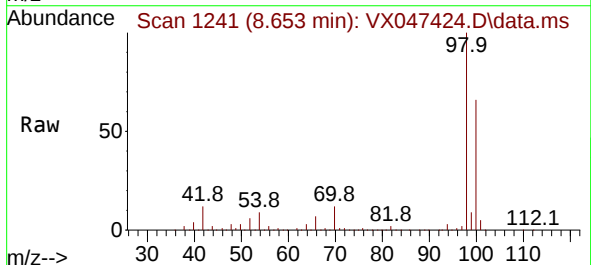


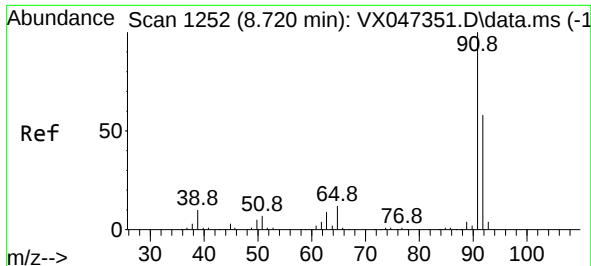
Tgt Ion:117 Resp: 21827
Ion Ratio Lower Upper
117 100
119 5.0 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.648 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion: 98 Resp: 524473
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9

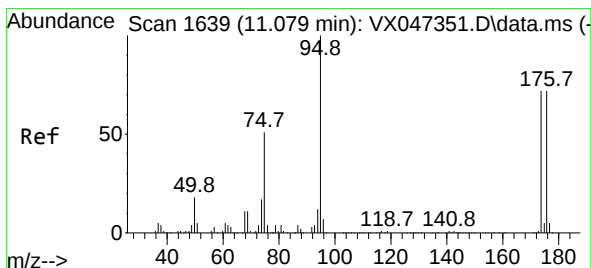
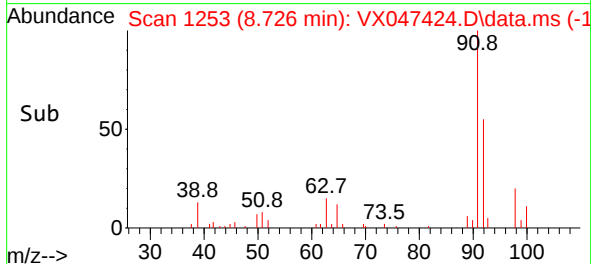
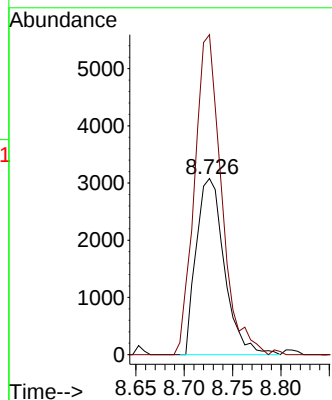
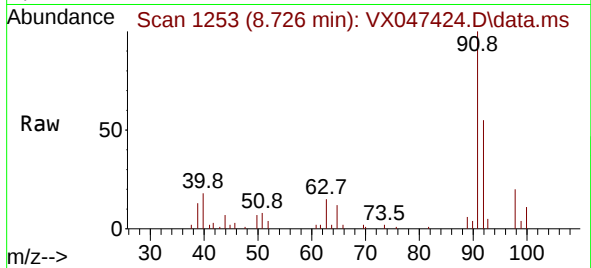




#52
Toluene
Concen: 0.766 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

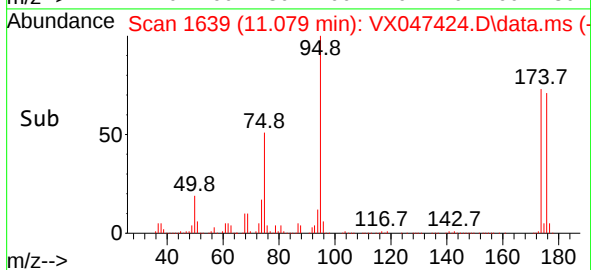
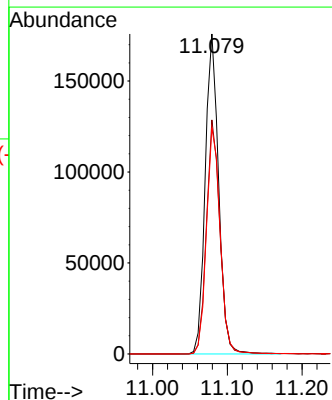
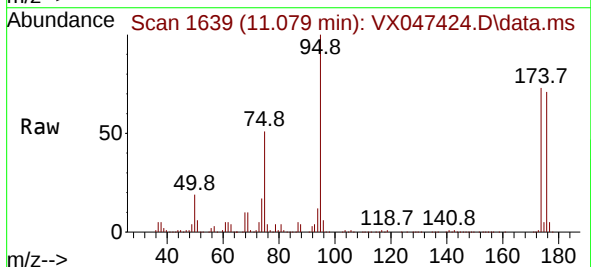
Instrument :
MSVOA_X
ClientSampleId :
302DL

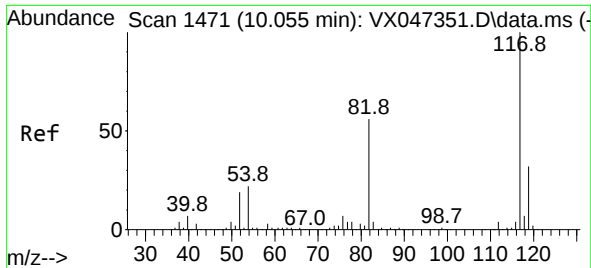
Tgt Ion: 92 Resp: 6231
Ion Ratio Lower Upper
92 100
91 174.4 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 59.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion: 95 Resp: 219439
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 72.1 0.0 145.4

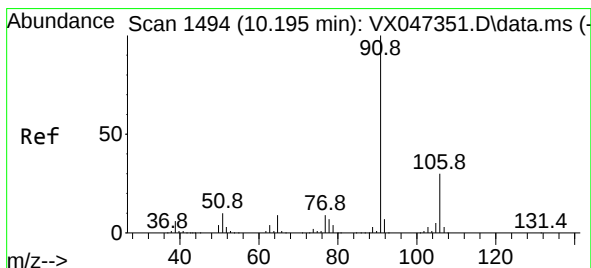
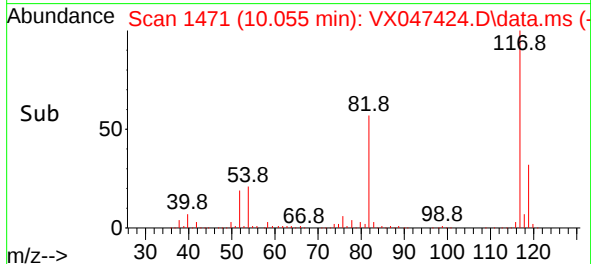
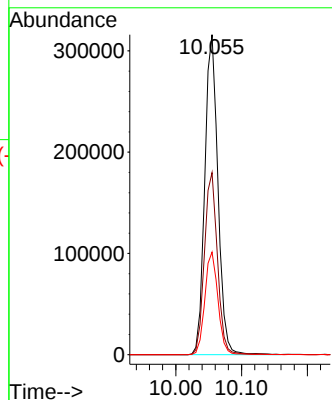
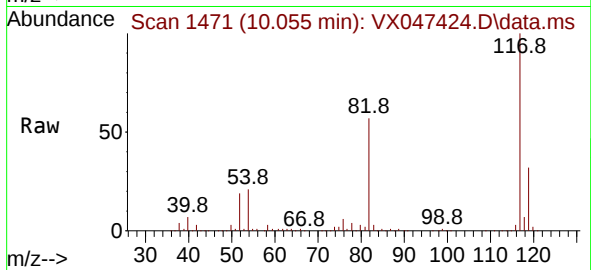




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

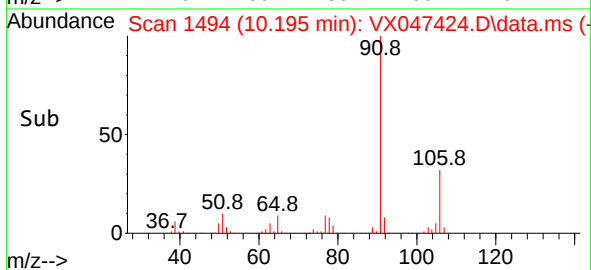
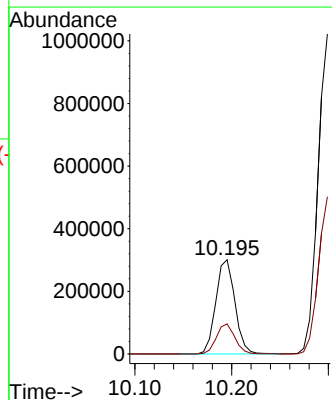
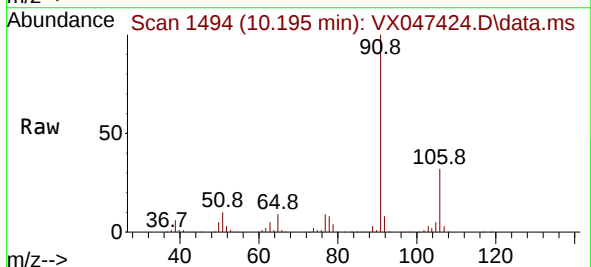
Instrument :
MSVOA_X
ClientSampleId :
302DL

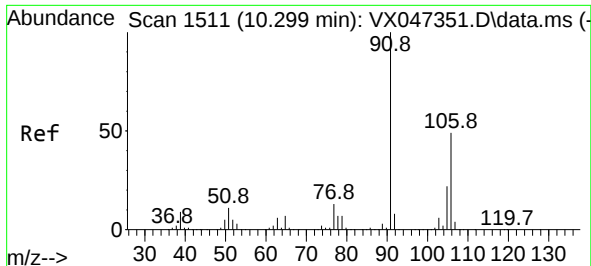
Tgt Ion:117 Resp: 439297
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 32.1 25.8 38.8



#67
Ethyl Benzene
Concen: 22.956 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion: 91 Resp: 412472
Ion Ratio Lower Upper
91 100
106 32.0 24.4 36.6

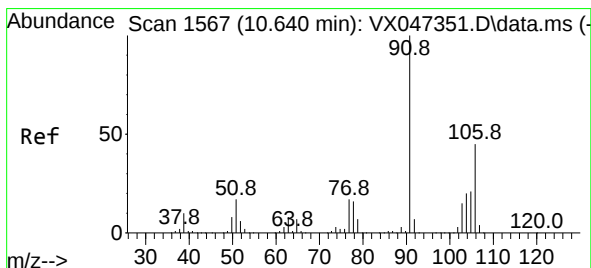
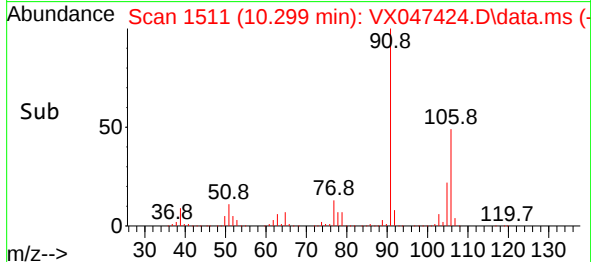
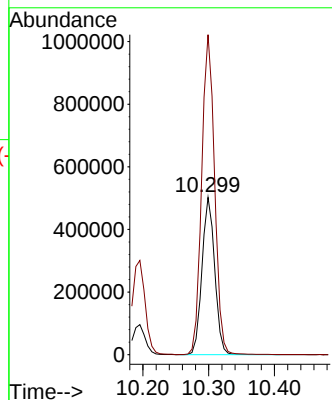
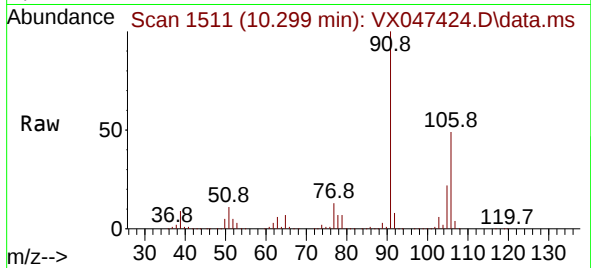




#68
m/p-Xylenes
Concen: 100.846 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

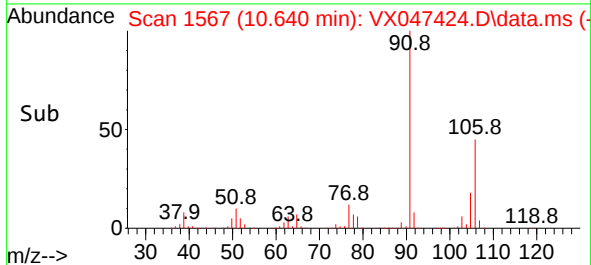
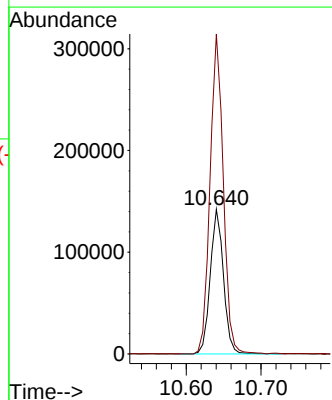
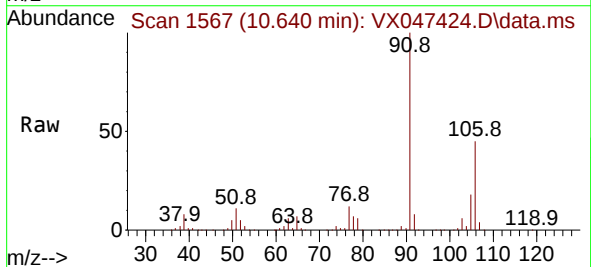
Instrument :
MSVOA_X
ClientSampleId :
302DL

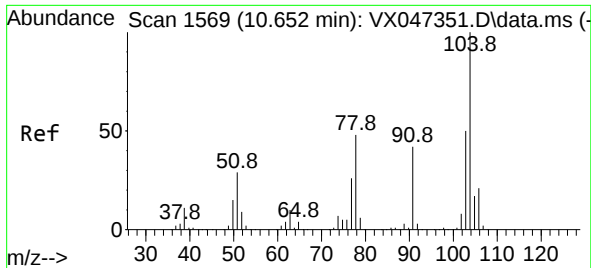
Tgt Ion:106 Resp: 675641
Ion Ratio Lower Upper
106 100
91 207.2 164.7 247.1



#69
o-Xylene
Concen: 27.039 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion:106 Resp: 174333
Ion Ratio Lower Upper
106 100
91 221.9 110.6 331.8

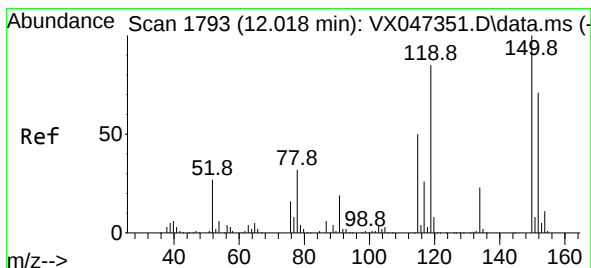
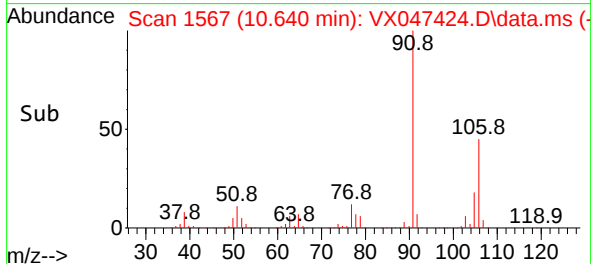
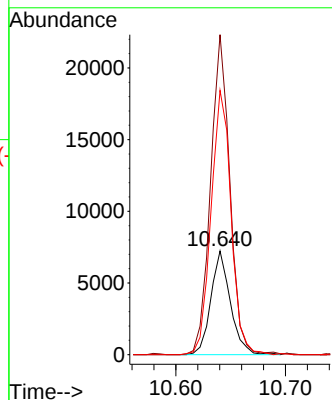
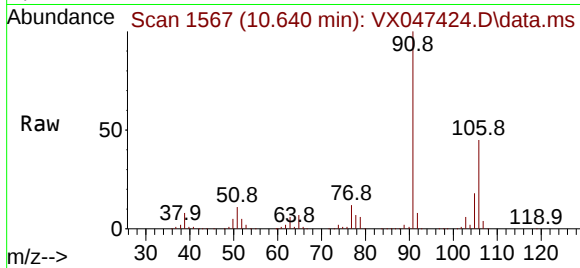




#70
Styrene
Concen: 0.821 ug/l
RT: 10.640 min Scan# 1569
Delta R.T. -0.012 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

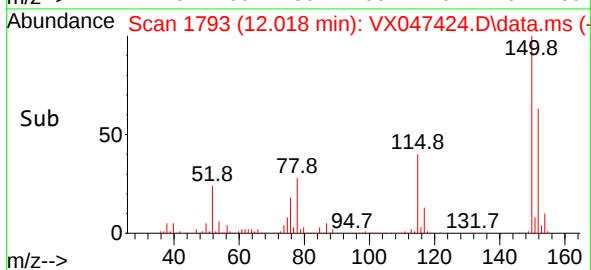
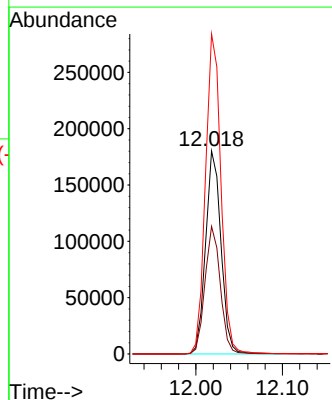
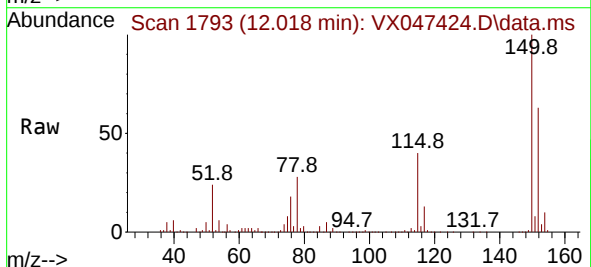
Instrument :
MSVOA_X
ClientSampleId :
302DL

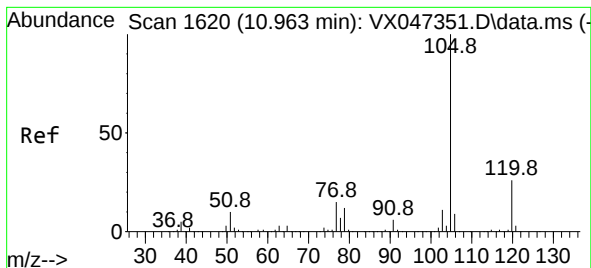
Tgt Ion:104 Resp: 8944
Ion Ratio Lower Upper
104 100
78 305.3 41.8 62.8#
103 261.1 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

Tgt Ion:152 Resp: 222786
Ion Ratio Lower Upper
152 100
115 62.6 44.6 133.8
150 158.4 0.0 349.8





#73

Isopropylbenzene

Concen: 0.237 ug/l

RT: 10.963 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047424.D

Acq: 19 Aug 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

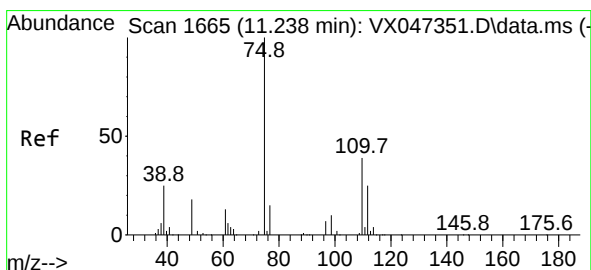
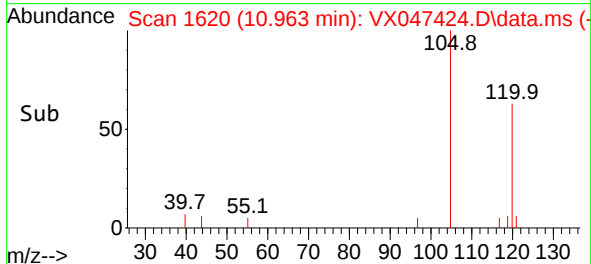
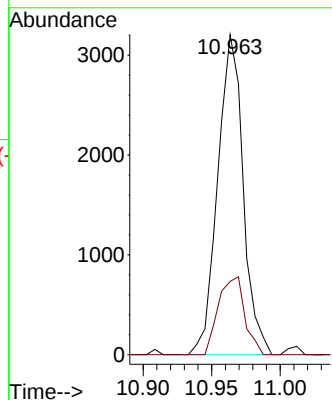
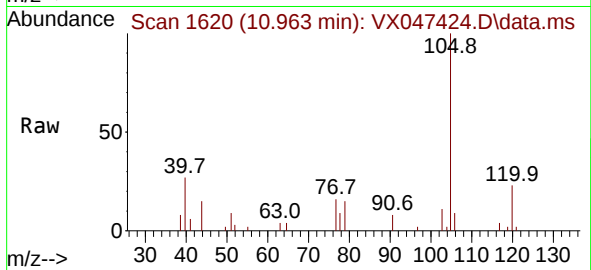
302DL

Tgt Ion:105 Resp: 4136

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 27.814 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047424.D

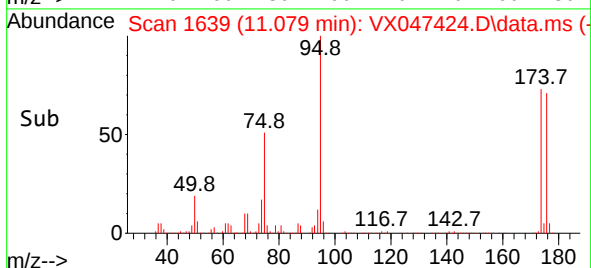
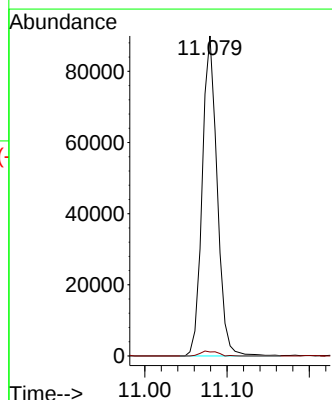
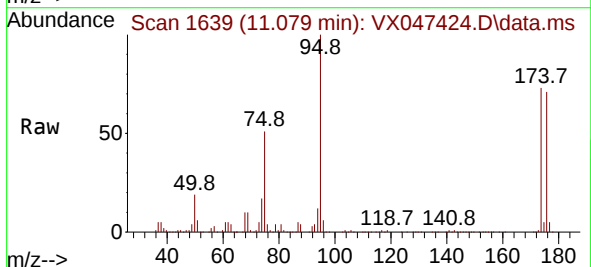
Acq: 19 Aug 2025 19:25

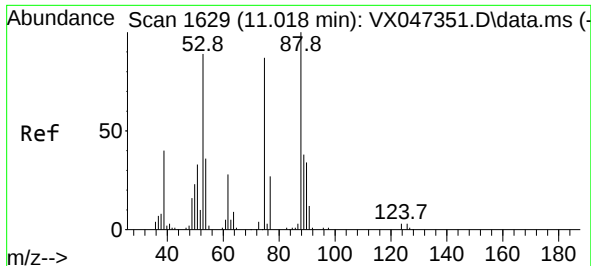
Tgt Ion: 75 Resp: 113654

Ion Ratio Lower Upper

75 100

77 1.8 19.4 58.2#

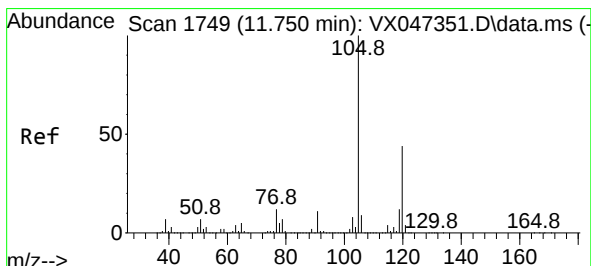
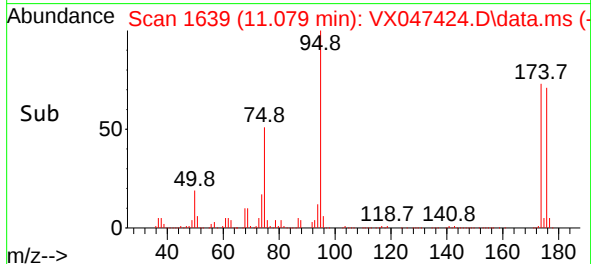
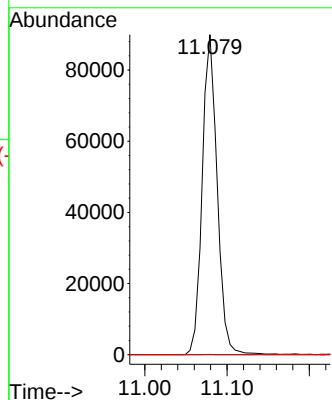
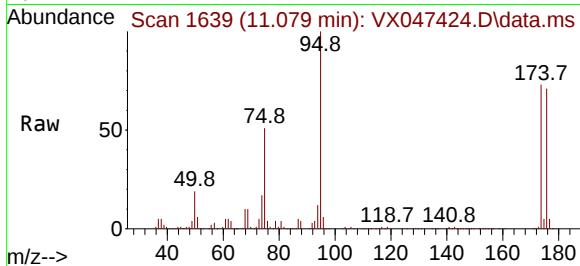




#81
trans-1,4-Dichloro-2-butene
Concen: 109.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

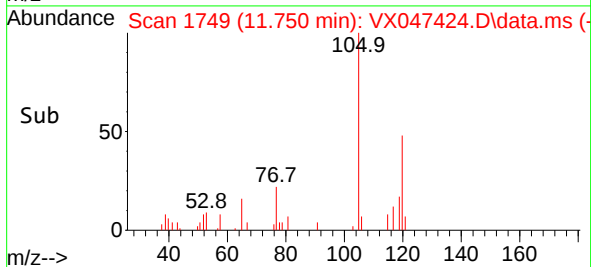
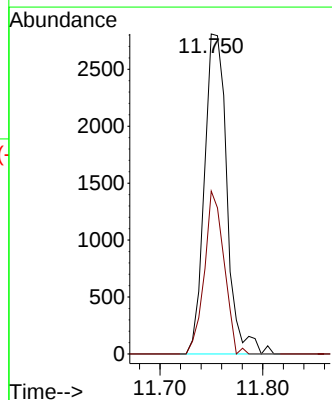
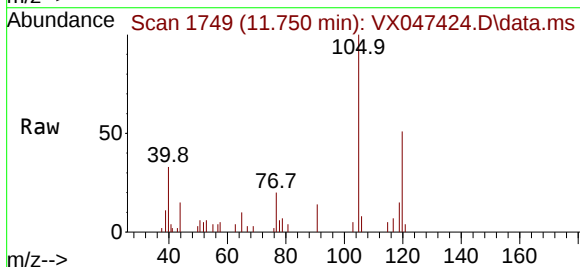
Instrument :
MSVOA_X
ClientSampleId :
302DL

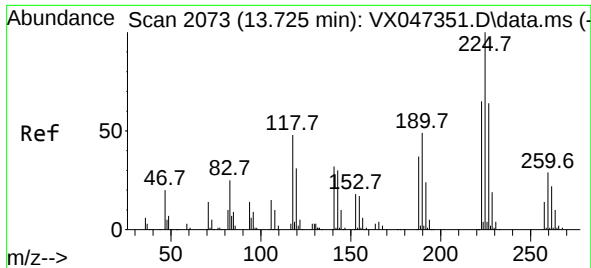
Tgt Ion: 75 Resp: 113654
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.298 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047424.D
Acq: 19 Aug 2025 19:25

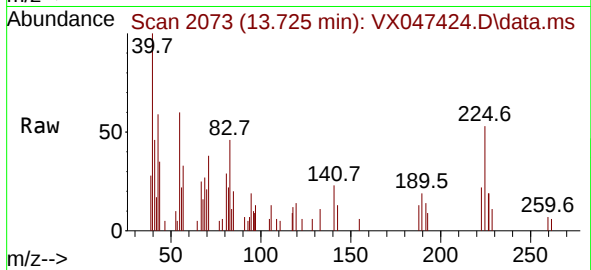
Tgt Ion:105 Resp: 4275
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.7





#94
 Hexachlorobutadiene
 Concen: 0.323 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX047424.D
 Acq: 19 Aug 2025 19:25

Instrument :
 MSVOA_X
 ClientSampleId :
 302DL



Tgt Ion:	225	Resp:	595
Ion	Ratio	Lower	Upper
225	100		
223	47.2	32.2	96.6
227	64.0	31.6	95.0

