

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045531.D
 Acq On : 01 Apr 2025 19:25
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 02 03:13:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	58322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	111067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	100641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54625	51.216	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.440%
35) Dibromofluoromethane	5.385	113	40290	51.128	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.260%
50) Toluene-d8	8.646	98	138308	50.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.560%
62) 4-Bromofluorobenzene	11.079	95	51304	51.208	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.420%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	455	0.522	ug/l	94
3) Chloromethane	1.300	50	411	0.459	ug/l #	42
4) Vinyl Chloride	1.367	62	389	0.474	ug/l #	83
5) Bromomethane	1.599	94	339	0.872	ug/l	83
6) Chloroethane	1.684	64	144	0.331	ug/l #	42
7) Trichlorofluoromethane	1.885	101	455	0.372	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.324	101	395	0.551	ug/l	93
10) Methyl Iodide	2.446	142	572	0.640	ug/l #	73
11) Tert butyl alcohol	2.964	59	110	0.767	ug/l #	72
12) 1,1-Dichloroethene	2.324	96	408	0.583	ug/l #	69
13) Acrolein	2.239	56	564	2.857	ug/l	90
14) Allyl chloride	2.654	41	462	0.348	ug/l #	40
15) Acrylonitrile	3.074	53	995	2.199	ug/l	93
16) Acetone	2.379	43	749	1.710	ug/l #	89
17) Carbon Disulfide	2.507	76	5061	2.927	ug/l	98
18) Methyl Acetate	2.708	43	466	0.462	ug/l #	54
20) Methylene Chloride	2.788	84	308	0.376	ug/l #	81
21) trans-1,2-Dichloroethene	3.086	96	765	1.069	ug/l	86
25) 2-Butanone	4.623	43	256	0.399	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	428	0.491	ug/l	76
28) Bromochloromethane	4.909	49	176	0.246	ug/l #	94
29) Tetrahydrofuran	5.037	42	258	0.621	ug/l #	35
31) Cyclohexane	5.458	56	344	0.263	ug/l #	59
36) 1,1-Dichloropropene	5.690	75	376	0.353	ug/l	87
38) Carbon Tetrachloride	5.677	117	261	0.227	ug/l #	12
39) Methylcyclohexane	7.372	83	744	0.570	ug/l #	76
42) 1,2-Dichloroethane	6.104	62	327	0.244	ug/l #	78
44) Trichloroethene	7.134	130	474	0.614	ug/l	70
46) Dibromomethane	7.586	93	180	0.289	ug/l	97
49) 1,4-Dioxane	7.689	88	82	4.319	ug/l #	44
51) 4-Methyl-2-Pentanone	8.573	43	565	0.419	ug/l #	85
52) Toluene	8.720	92	479	0.244	ug/l	82
53) t-1,3-Dichloropropene	8.994	75	324	2.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	168	0.274	ug/l #	49
59) 2-Hexanone	9.457	43	851	0.853	ug/l	75
61) 1,2-Dibromoethane	9.616	107	240	0.303	ug/l #	70

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 ALS Vial : 9 Sample Multiplier: 1

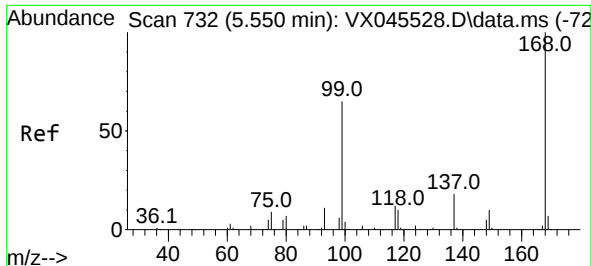
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 02 03:13:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

64) Tetrachloroethene	9.268	164	398	0.560	ug/l #	69
65) Chlorobenzene	10.079	112	949	0.441	ug/l	96
67) Ethyl Benzene	10.195	91	1066	0.277	ug/l	92
68) m/p-Xylenes	10.311	106	932	0.665	ug/l #	64
69) o-Xylene	10.646	106	332	0.241	ug/l	92
70) Styrene	10.664	104	843	0.370	ug/l #	83
73) Isopropylbenzene	10.957	105	979	0.309	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	29795	30.858	ug/l #	37
77) Bromobenzene	11.195	156	328	0.448	ug/l	81
78) n-propylbenzene	11.310	91	1902	0.521	ug/l	98
79) 2-Chlorotoluene	11.365	91	1321	0.566	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	1153	0.440	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	29795	104.729	ug/l #	1
82) 4-Chlorotoluene	11.463	91	1910	0.734	ug/l	96
83) tert-Butylbenzene	11.713	119	863	0.332	ug/l	84
84) 1,2,4-Trimethylbenzene	11.756	105	1128	0.429	ug/l	91
85) sec-Butylbenzene	11.890	105	1713	0.537	ug/l	93
86) p-Isopropyltoluene	12.006	119	1536	0.584	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	1272	0.954	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	1272	0.941	ug/l	90
89) n-Butylbenzene	12.335	91	2276	0.999	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	984	0.742	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.944	75	98	0.421	ug/l #	63
93) 1,2,4-Trichlorobenzene	13.591	180	1460	1.978	ug/l	95
94) Hexachlorobutadiene	13.725	225	344	1.082	ug/l	89
95) Naphthalene	13.780	128	8056	2.933	ug/l	97
96) 1,2,3-Trichlorobenzene	13.962	180	1776	2.298	ug/l	92

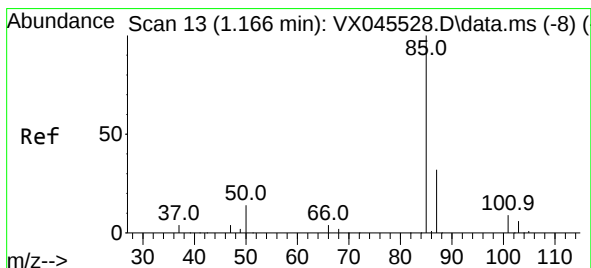
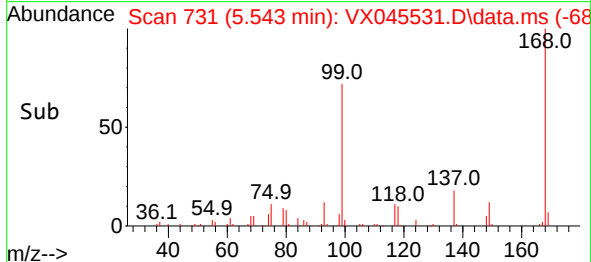
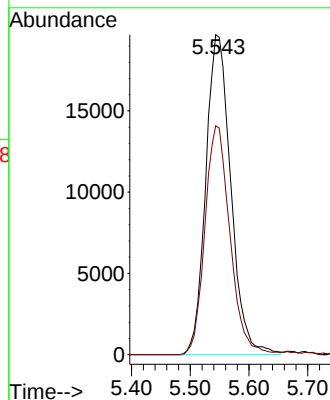
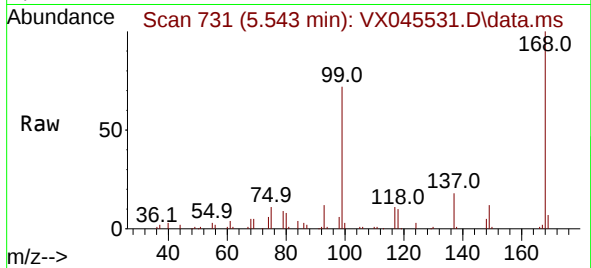
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

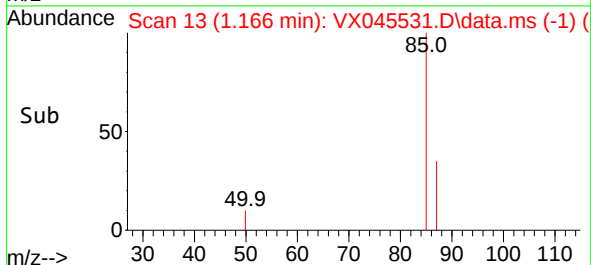
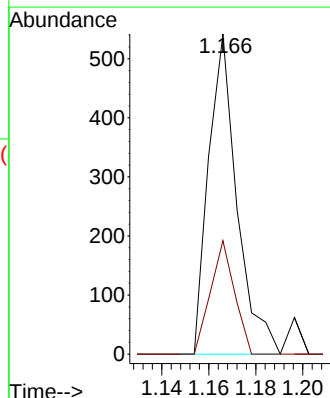
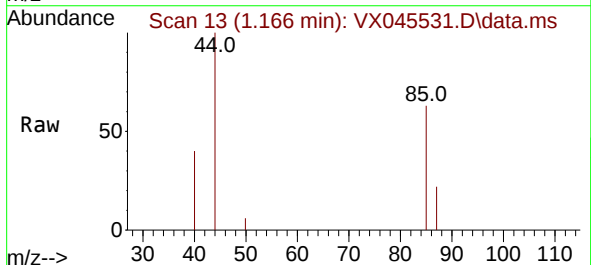
Instrument :
MSVOA_X
ClientSampleId :
IBLK

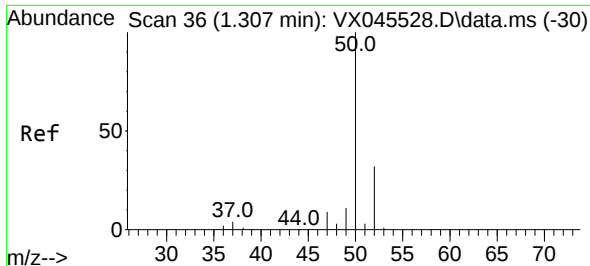
Tgt Ion:168 Resp: 58322
Ion Ratio Lower Upper
168 100
99 71.6 52.3 78.5



#2
Dichlorodifluoromethane
Concen: 0.522 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 85 Resp: 455
Ion Ratio Lower Upper
85 100
87 35.4 16.1 48.2

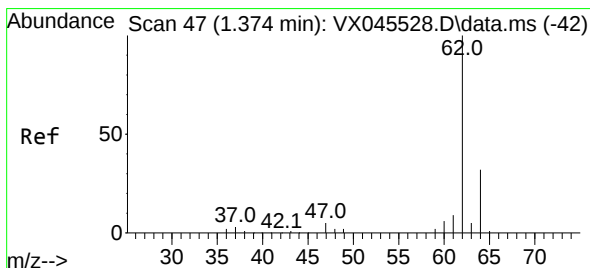
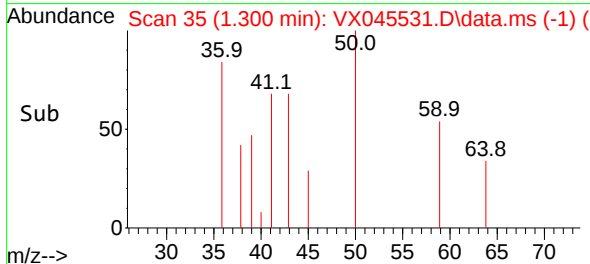
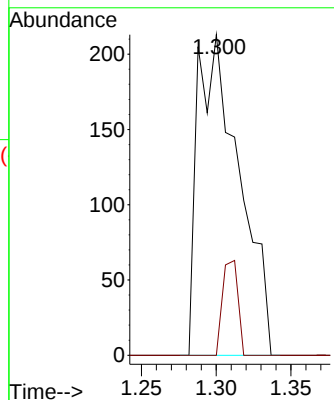
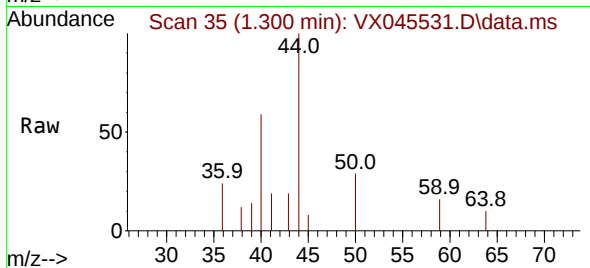




#3
Chloromethane
Concen: 0.459 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.007 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

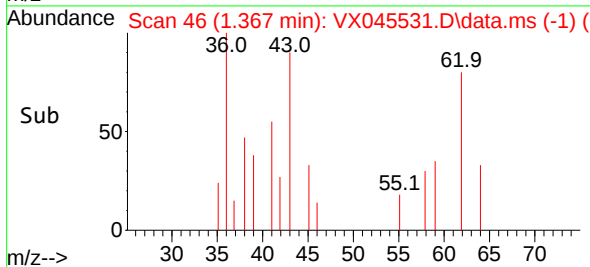
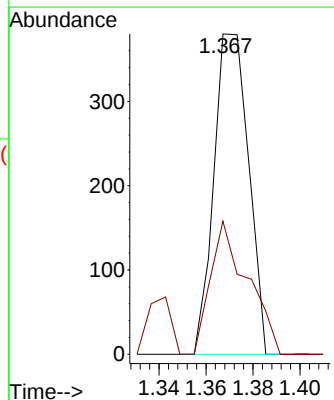
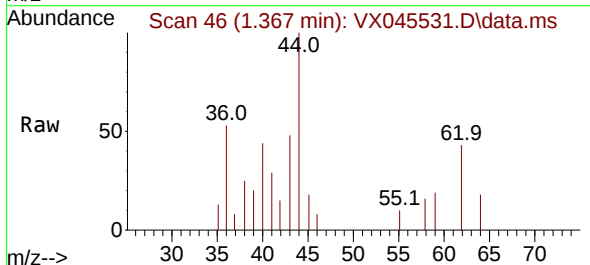
Instrument :
MSVOA_X
ClientSampleId :
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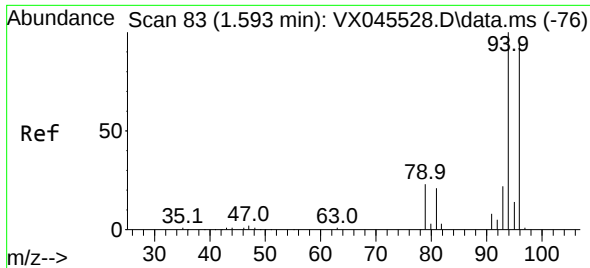
Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



#4
Vinyl Chloride
Concen: 0.474 ug/l
RT: 1.367 min Scan# 46
Delta R.T. -0.007 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 62 Resp: 389
Ion Ratio Lower Upper
62 100
64 41.6 25.5 38.3#

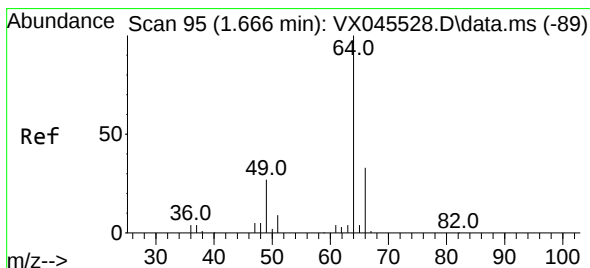
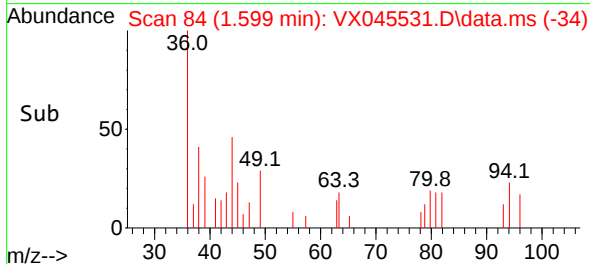
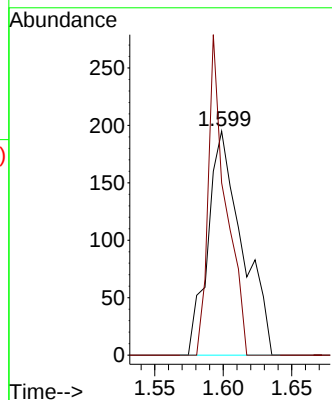
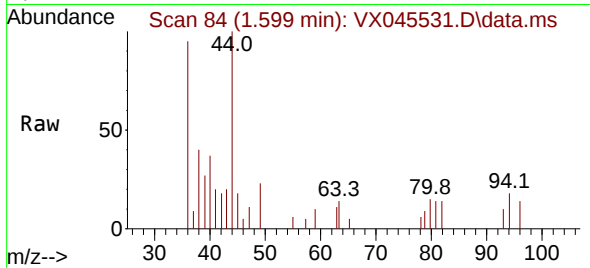




#5
Bromomethane
Concen: 0.872 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

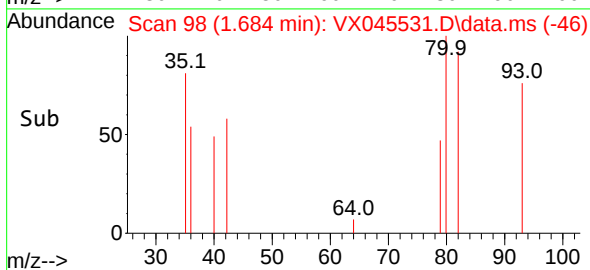
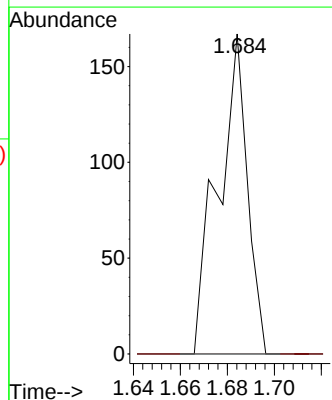
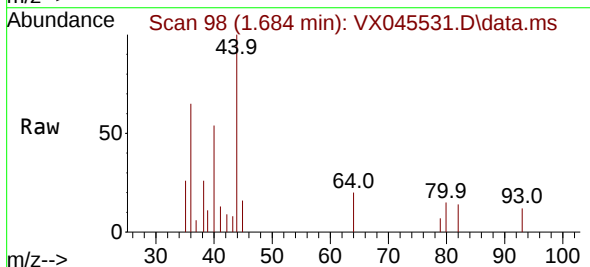
Instrument :
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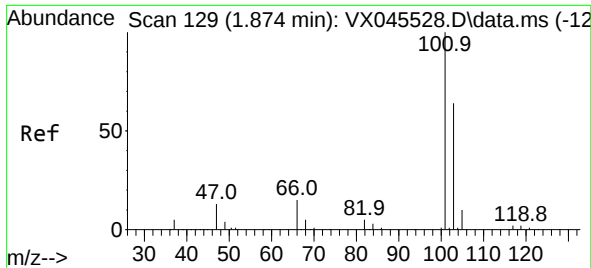
Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 76.9 74.8 112.2



#6
Chloroethane
Concen: 0.331 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

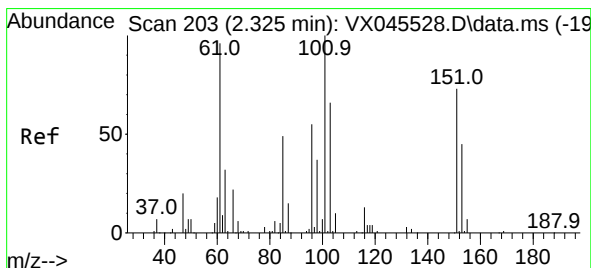
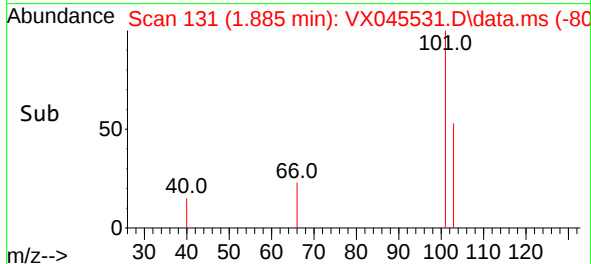
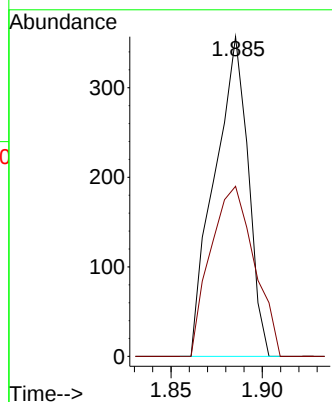
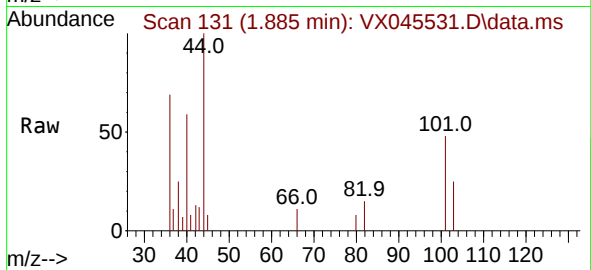




#7
 Trichlorofluoromethane
 Concen: 0.372 ug/l
 RT: 1.885 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

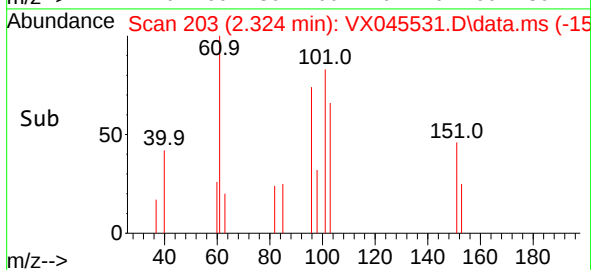
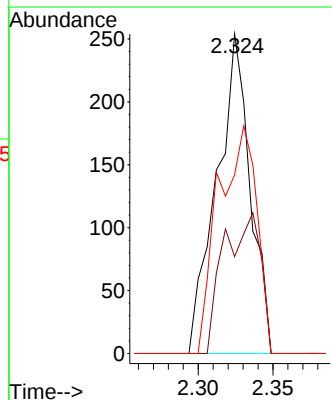
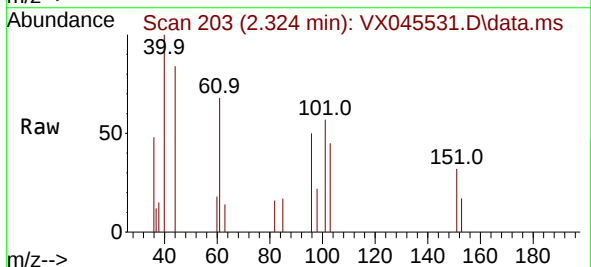
Instrument :
 MSVOA_X
 ClientSampleId :
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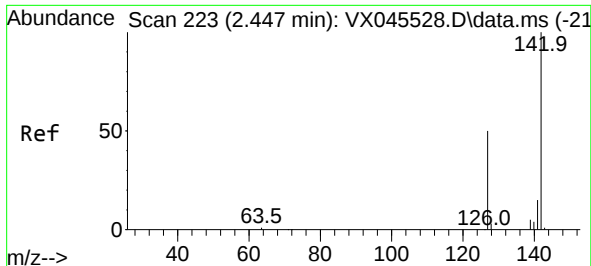
Tgt Ion:101 Resp: 455
 Ion Ratio Lower Upper
 101 100
 103 53.2 51.1 76.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.551 ug/l
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

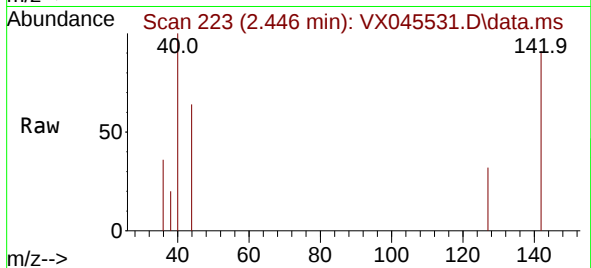
Tgt Ion:101 Resp: 395
 Ion Ratio Lower Upper
 101 100
 85 48.4 38.9 58.3
 151 81.3 57.5 86.3



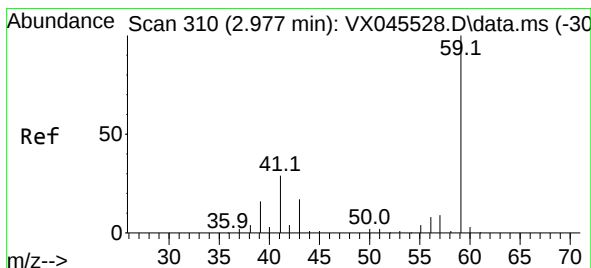
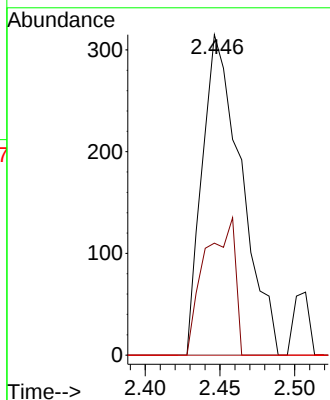
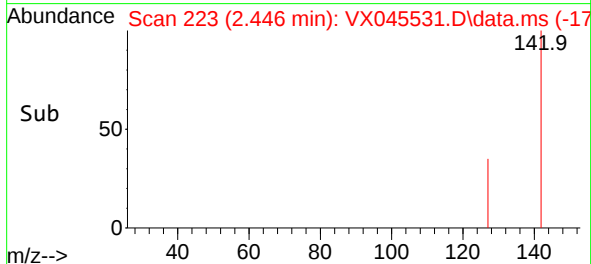


#10
Methyl Iodide
Concen: 0.640 ug/l
RT: 2.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

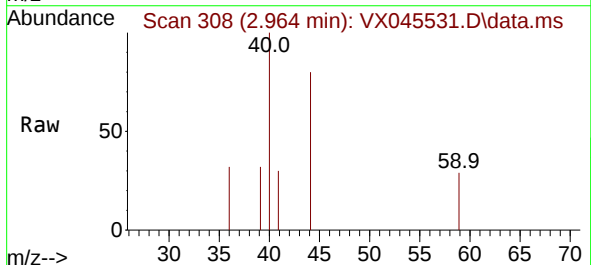
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MSVOA_X
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IBLK



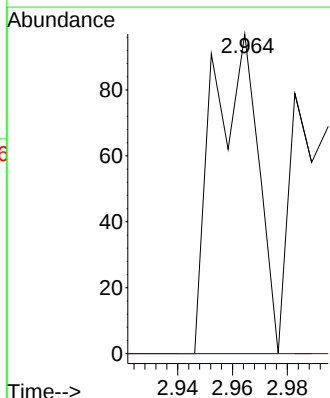
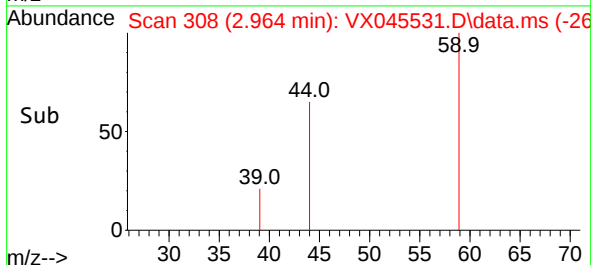
Tgt Ion:142 Resp: 572
Ion Ratio Lower Upper
142 100
127 33.0 40.2 60.4#
141 0.0 11.7 17.5#

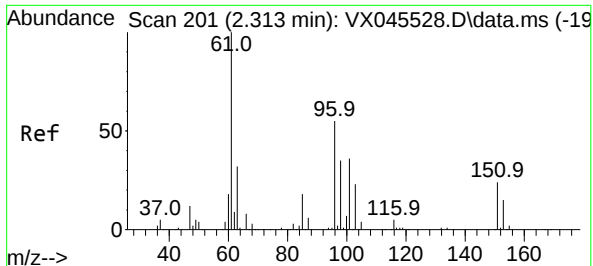


#11
Tert butyl alcohol
Concen: 0.767 ug/l
RT: 2.964 min Scan# 308
Delta R.T. -0.013 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25



Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#12

1,1-Dichloroethene

Concen: 0.583 ug/l

RT: 2.324 min Scan# 201

Delta R.T. 0.012 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

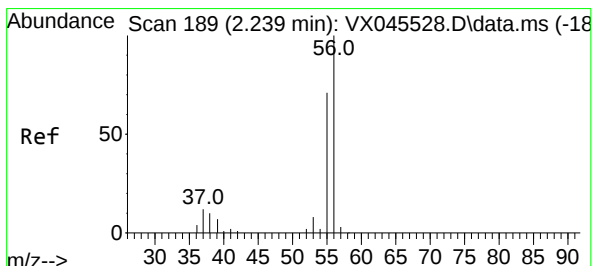
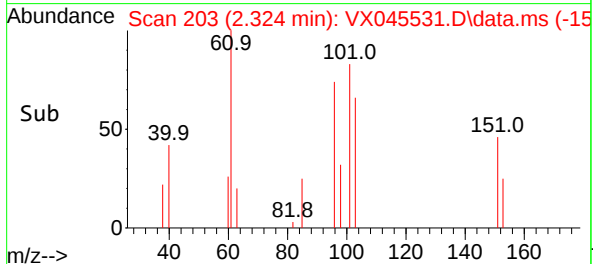
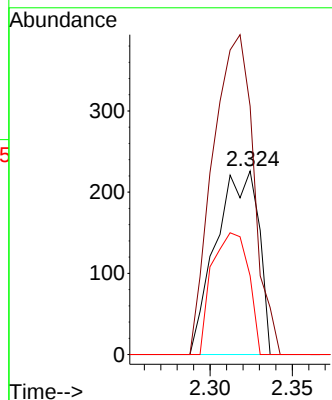
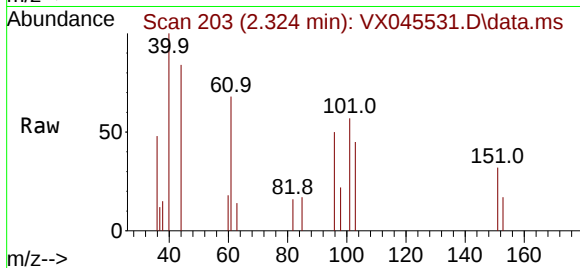
Tgt Ion: 96 Resp: 408

Ion Ratio Lower Upper

96 100

61 135.4 145.7 218.5#

98 42.9 51.6 77.4#



#13

Acrolein

Concen: 2.857 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX045531.D

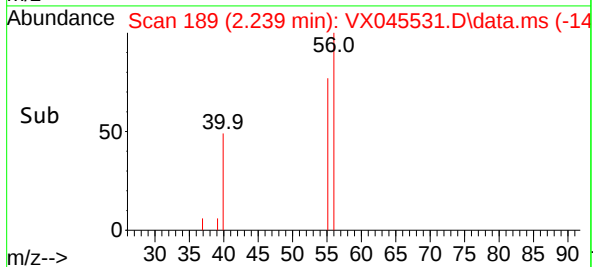
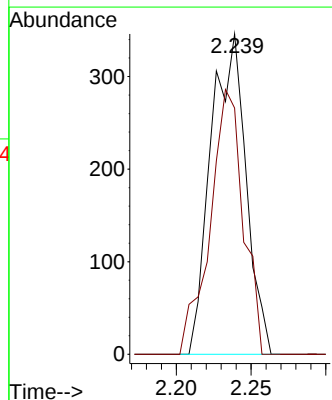
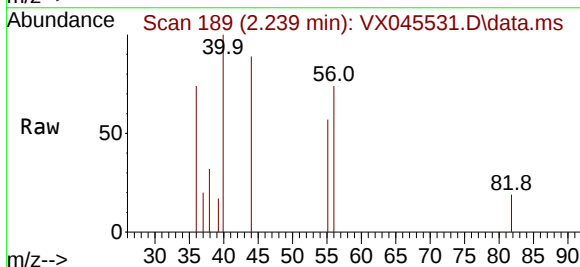
Acq: 01 Apr 2025 19:25

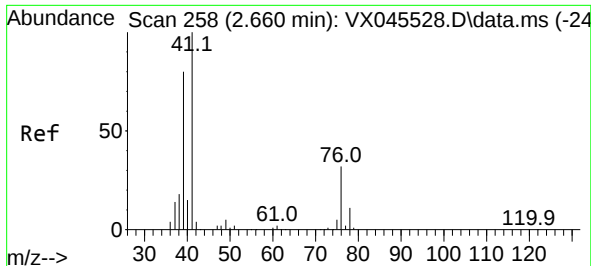
Tgt Ion: 56 Resp: 564

Ion Ratio Lower Upper

56 100

55 78.0 56.2 84.2

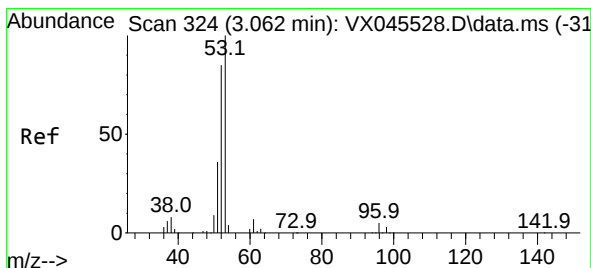
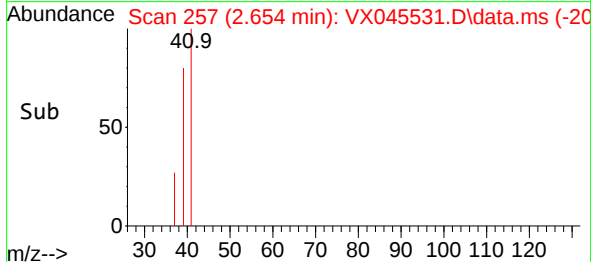
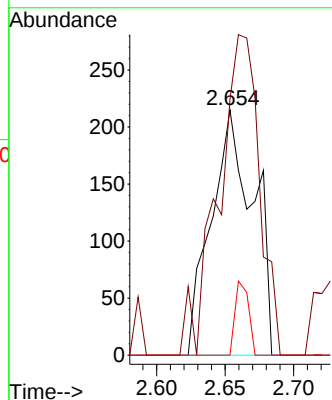
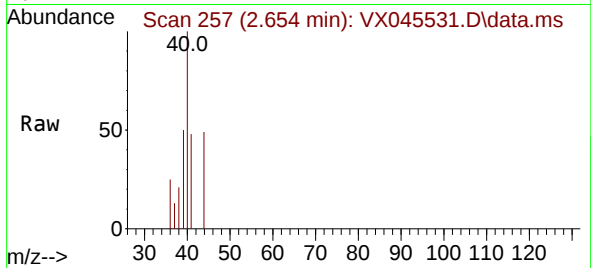




#14
 Allyl chloride
 Concen: 0.348 ug/l
 RT: 2.654 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

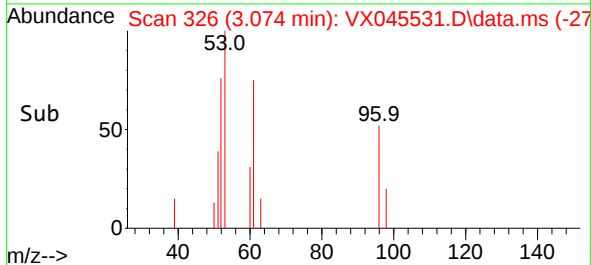
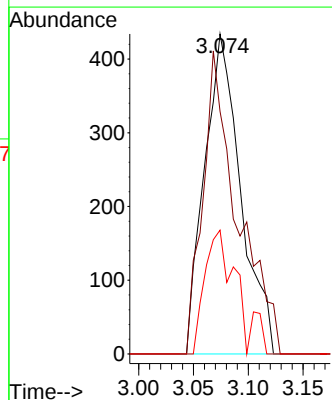
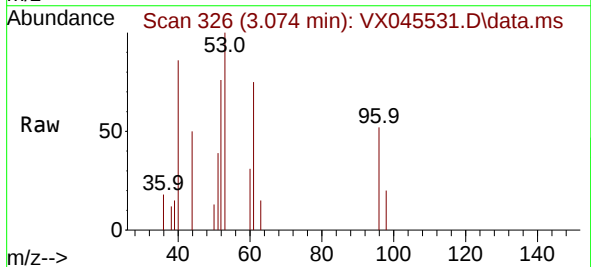
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

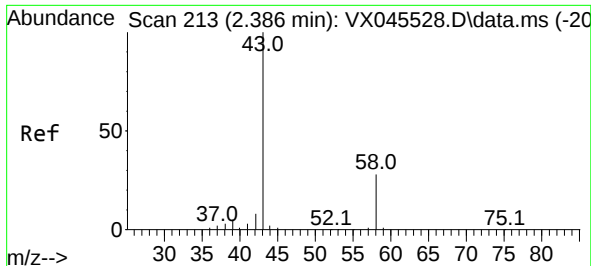
Tgt Ion: 41 Resp: 462
 Ion Ratio Lower Upper
 41 100
 39 127.3 60.2 90.2#
 76 0.0 24.6 36.8#



#15
 Acrylonitrile
 Concen: 2.199 ug/l
 RT: 3.074 min Scan# 326
 Delta R.T. 0.012 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

Tgt Ion: 53 Resp: 995
 Ion Ratio Lower Upper
 53 100
 52 91.2 67.4 101.2
 51 34.8 29.9 44.9

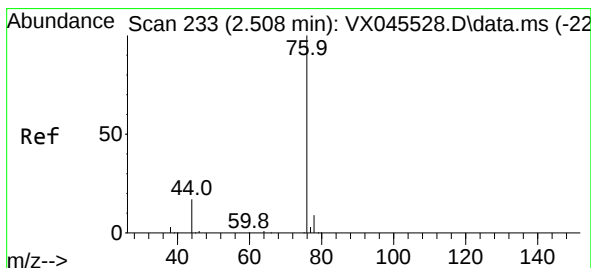
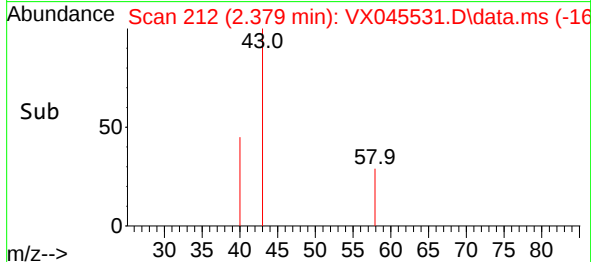
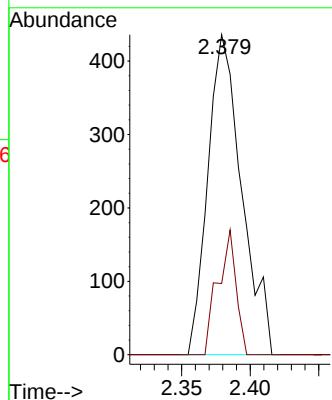
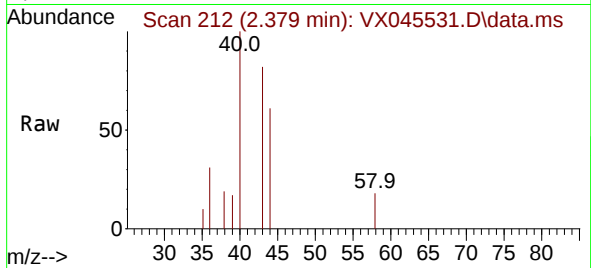




#16
Acetone
Concen: 1.710 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

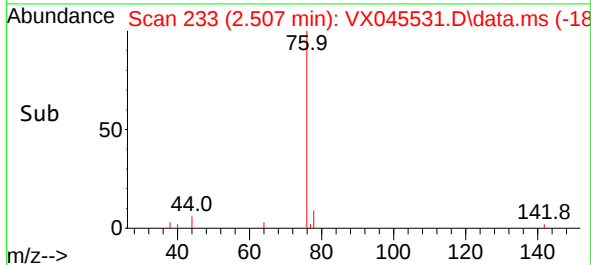
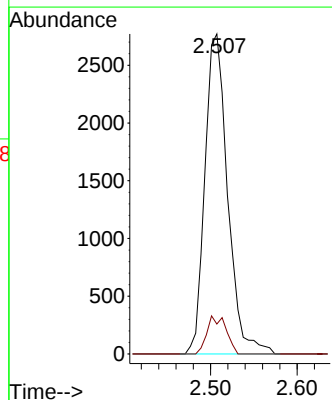
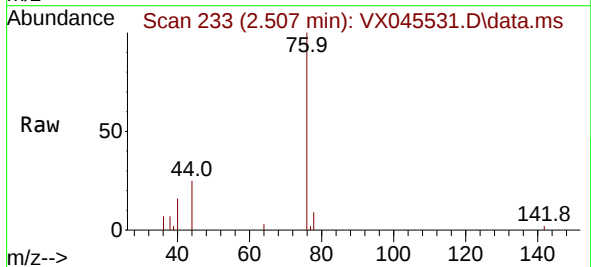
Instrument :
MSVOA_X
ClientSampleId :
IBLK

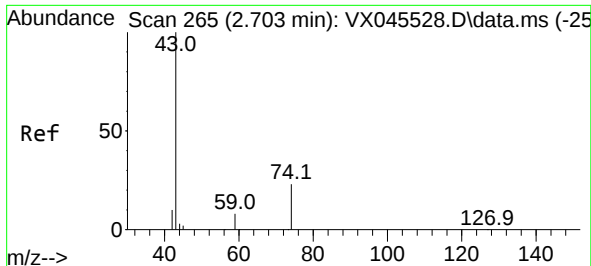
Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 22.2 22.3 33.5#



#17
Carbon Disulfide
Concen: 2.927 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 76 Resp: 5061
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

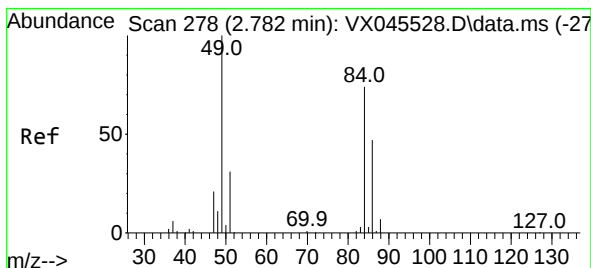
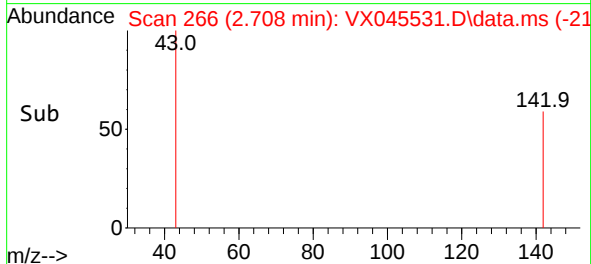
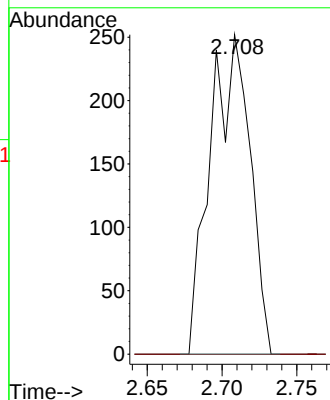
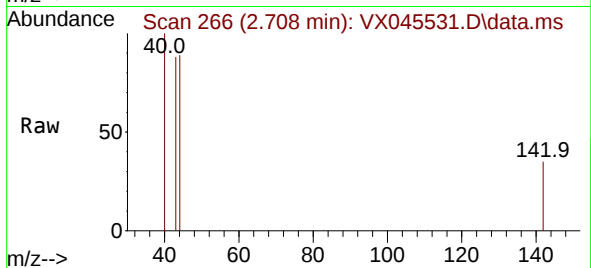




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 2.708 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

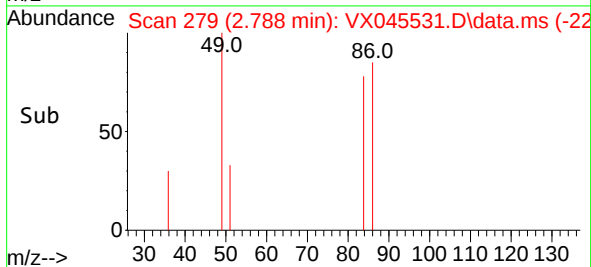
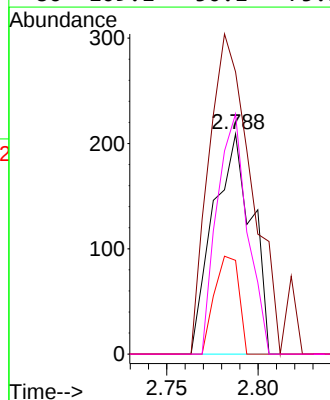
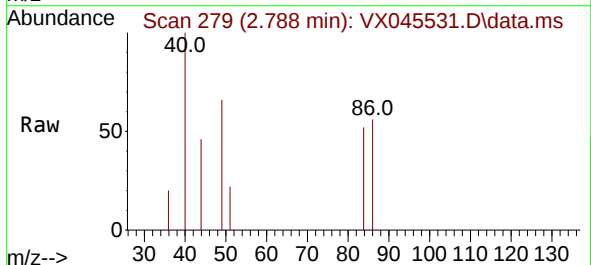
Instrument :
MSVOA_X
ClientSampleId :
IBLK

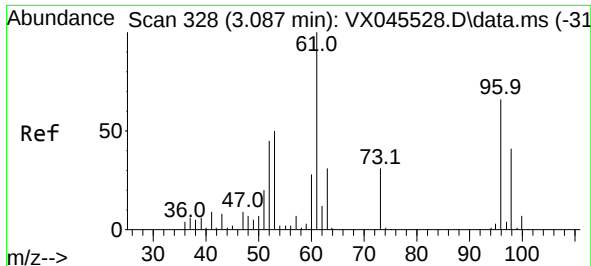
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 84 Resp: 308
Ion Ratio Lower Upper
84 100
49 128.2 107.5 161.3
51 42.6 33.0 49.6
86 109.1 50.1 75.1#

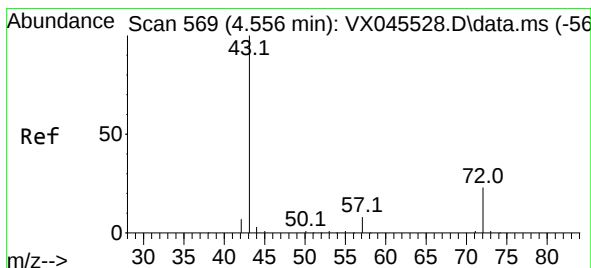
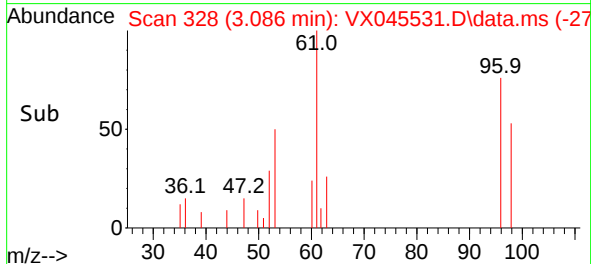
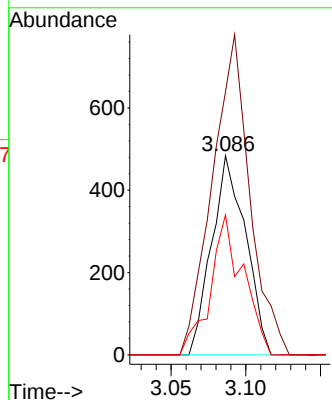
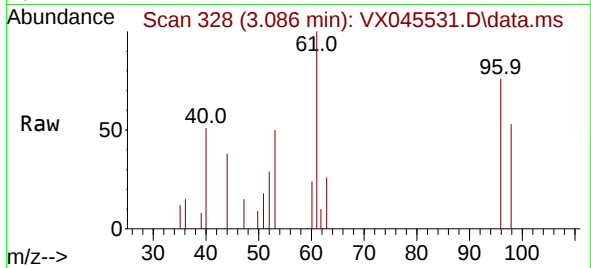




#21
trans-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 3.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

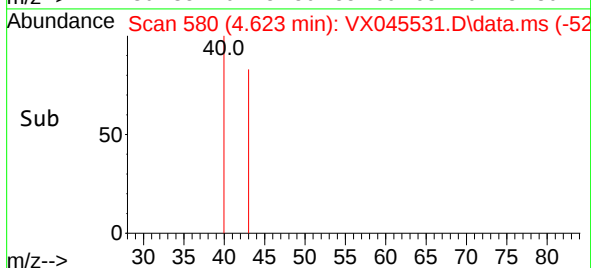
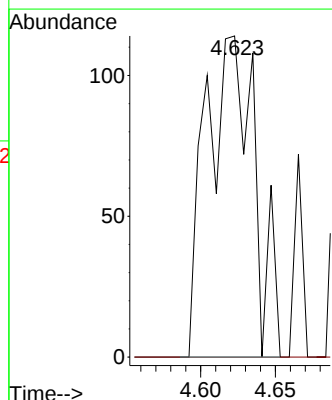
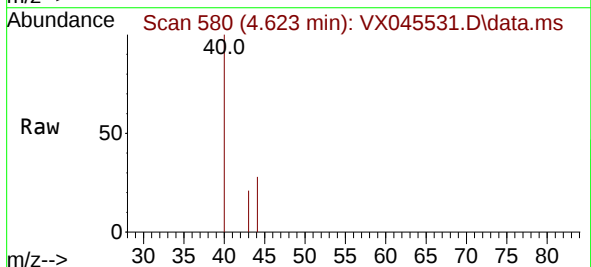
Instrument :
MSVOA_X
ClientSampleId :
IBLK

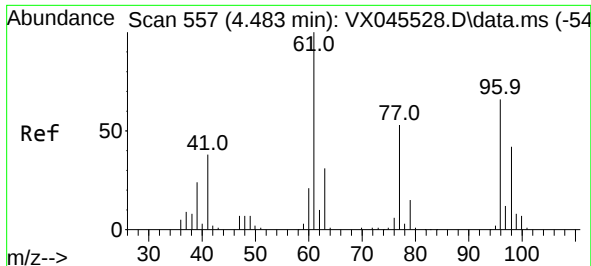
Tgt Ion: 96 Resp: 765
Ion Ratio Lower Upper
96 100
61 132.0 121.0 181.6
98 70.2 49.7 74.5



#25
2-Butanone
Concen: 0.399 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.067 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
72 0.0 18.6 28.0#





#27

cis-1,2-Dichloroethene

Concen: 0.491 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

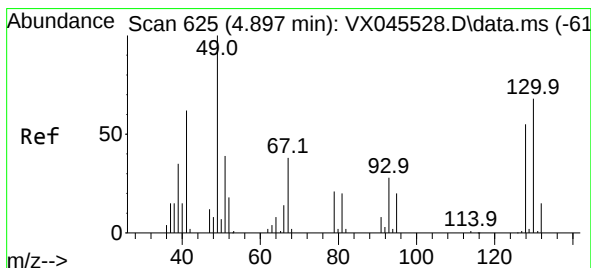
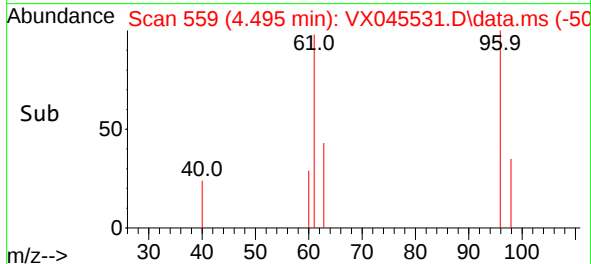
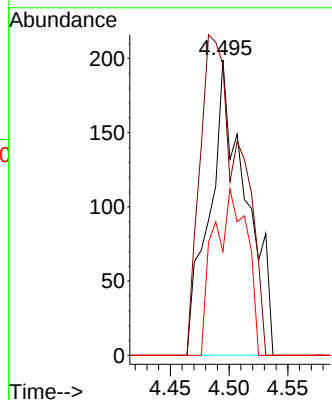
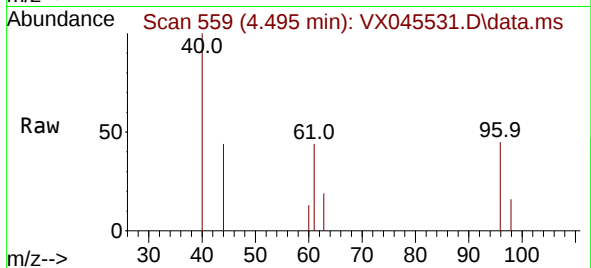
Tgt Ion: 96 Resp: 428

Ion Ratio Lower Upper

96 100

61 120.3 0.0 313.2

98 51.4 0.0 126.4



#28

Bromochloromethane

Concen: 0.246 ug/l

RT: 4.909 min Scan# 627

Delta R.T. 0.012 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

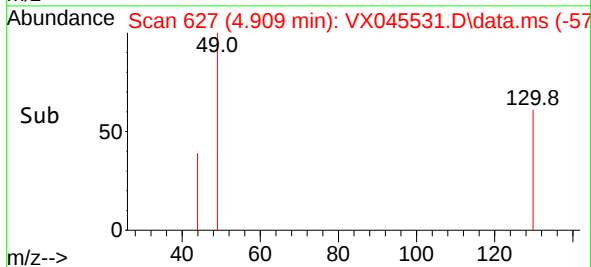
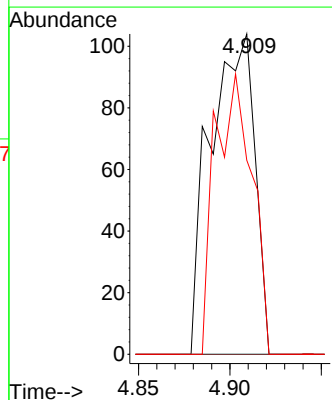
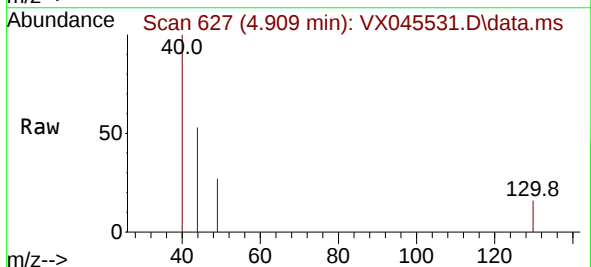
Tgt Ion: 49 Resp: 176

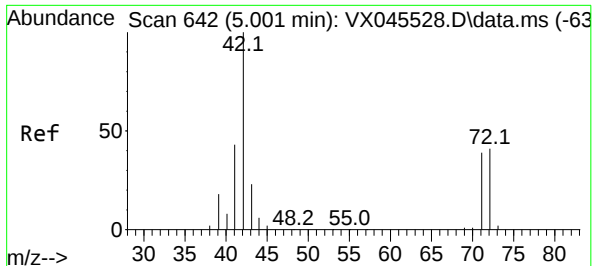
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 72.7 54.6 81.8





#29

Tetrahydrofuran

Concen: 0.621 ug/l

RT: 5.037 min Scan# 642

Delta R.T. 0.036 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

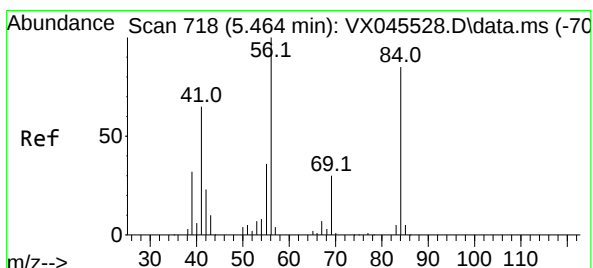
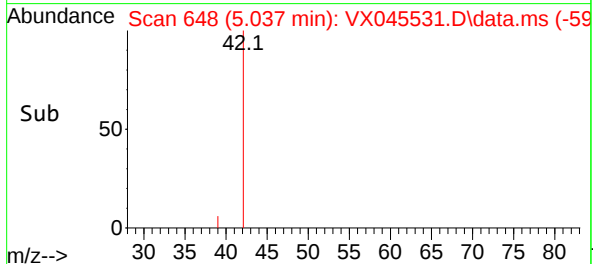
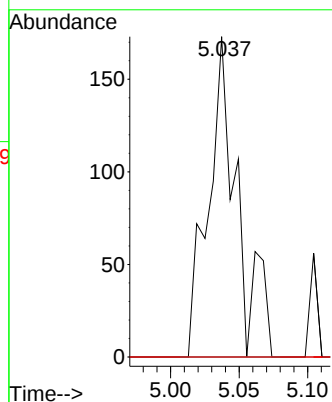
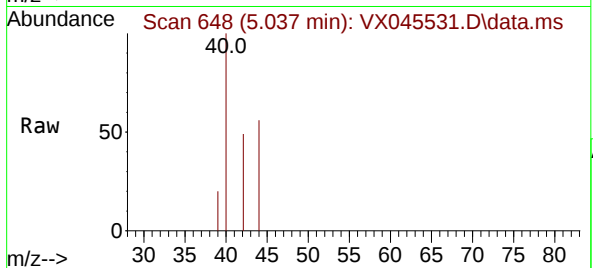
Tgt Ion: 42 Resp: 258

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 0.263 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.007 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

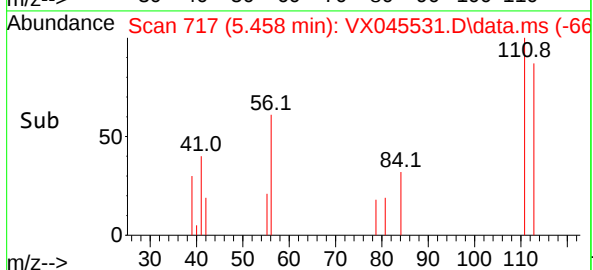
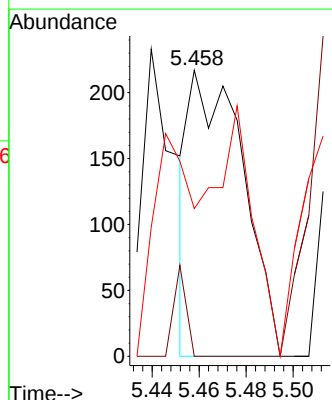
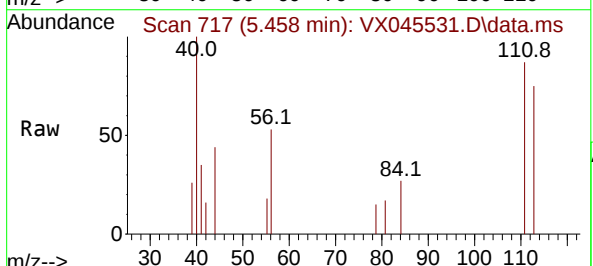
Tgt Ion: 56 Resp: 344

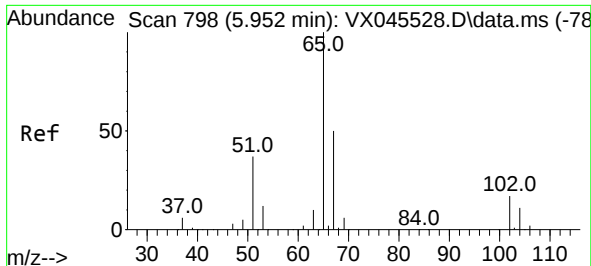
Ion Ratio Lower Upper

56 100

69 0.0 23.6 35.4#

84 51.6 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 51.216 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

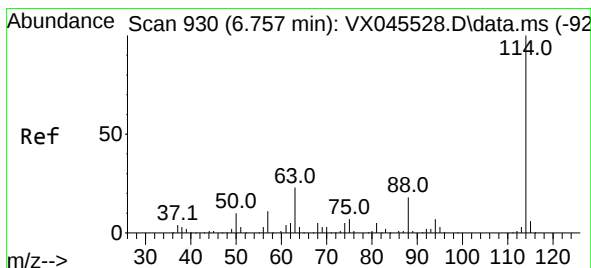
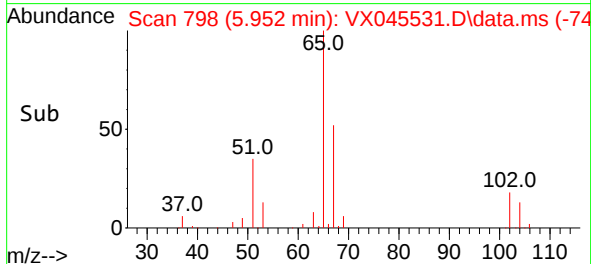
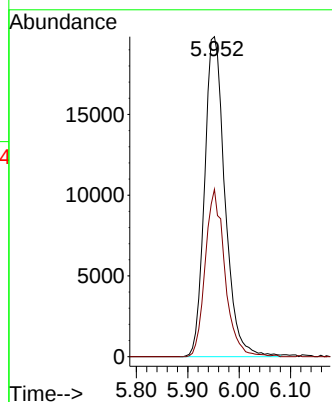
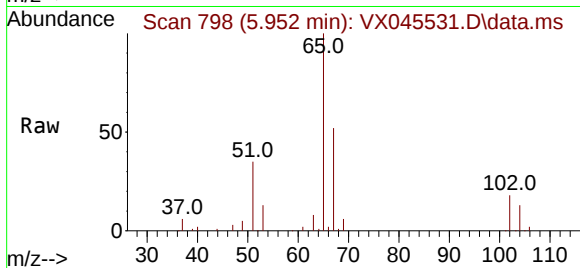
IBLK

Tgt Ion: 65 Resp: 54625

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

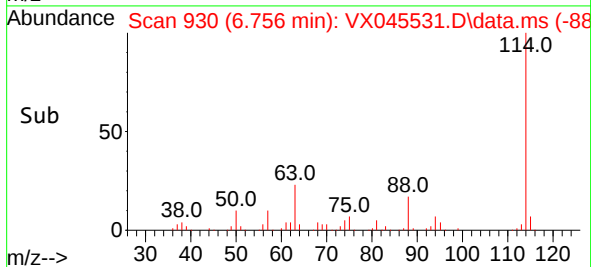
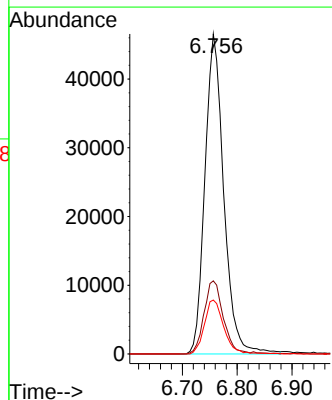
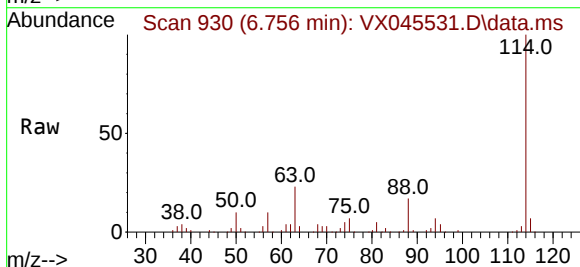
Tgt Ion: 114 Resp: 111067

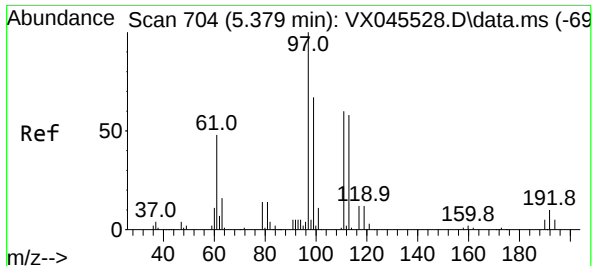
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.8

88 16.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.128 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

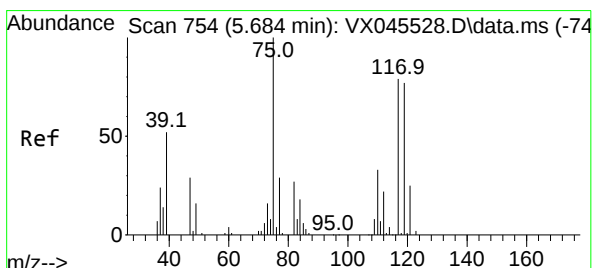
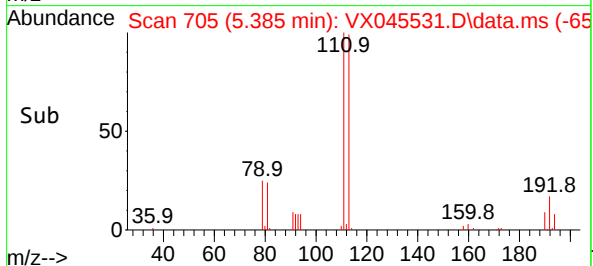
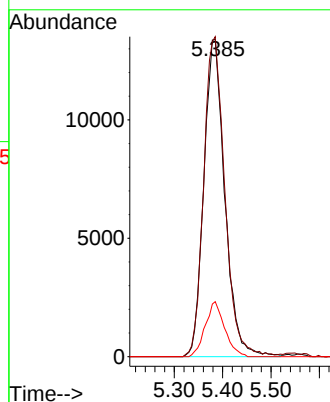
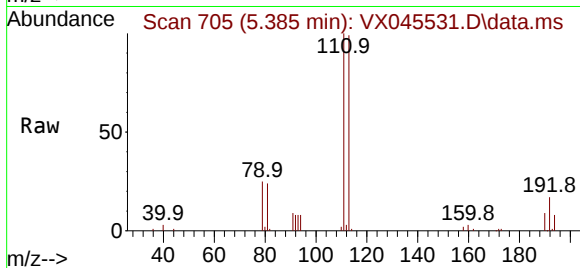
Tgt Ion:113 Resp: 40290

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

192 16.1 13.8 20.6



#36

1,1-Dichloropropene

Concen: 0.353 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

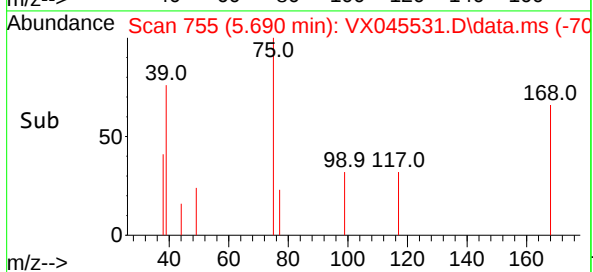
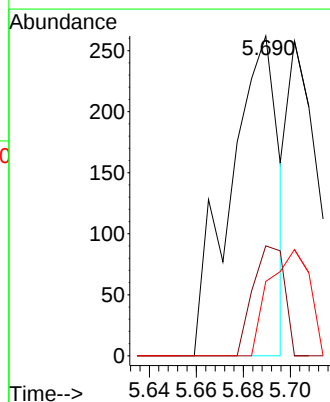
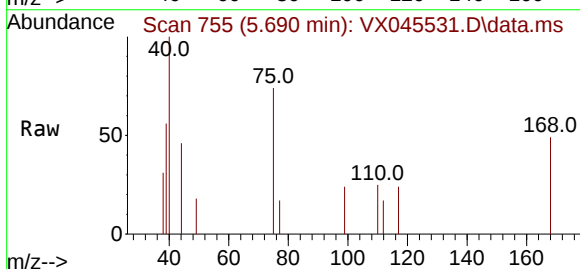
Tgt Ion: 75 Resp: 376

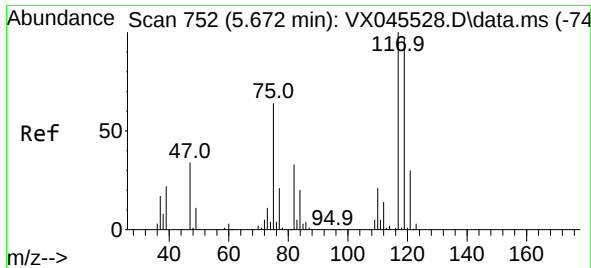
Ion Ratio Lower Upper

75 100

110 22.3 16.9 50.6

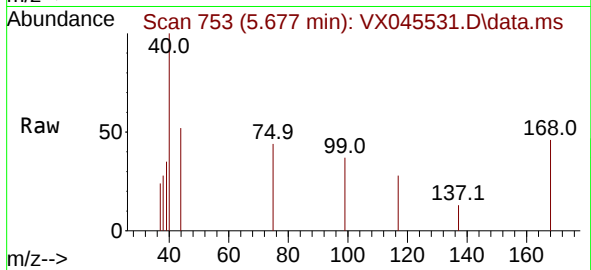
77 27.7 25.0 37.4



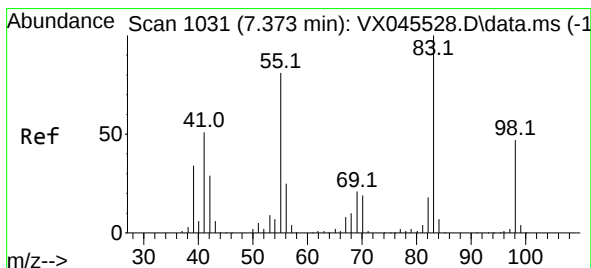
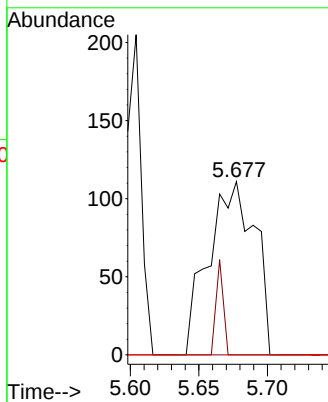
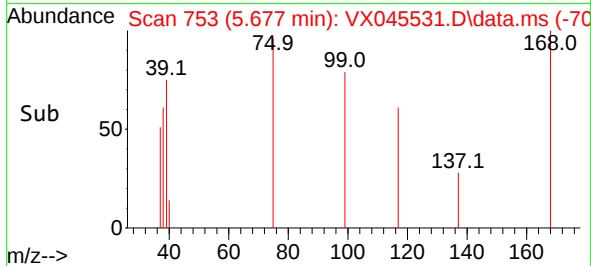


#38
Carbon Tetrachloride
Concen: 0.227 ug/l
RT: 5.677 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
IBLK

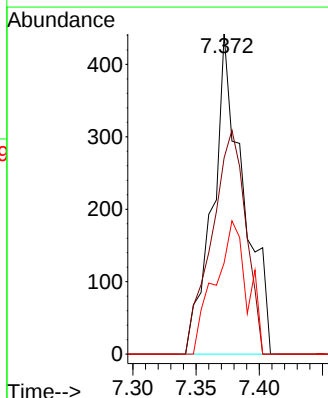
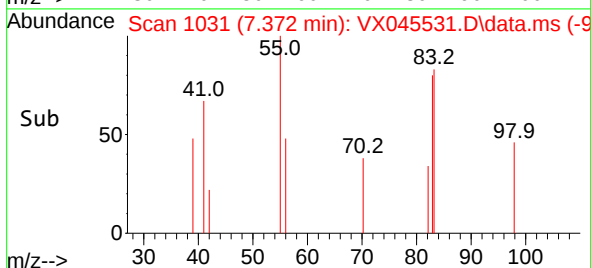
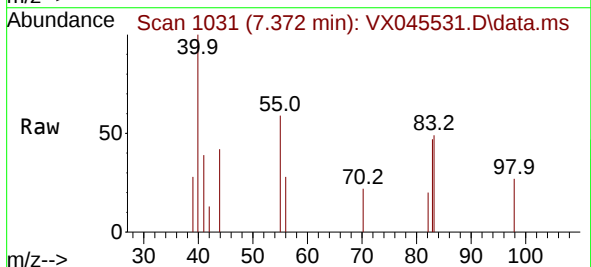


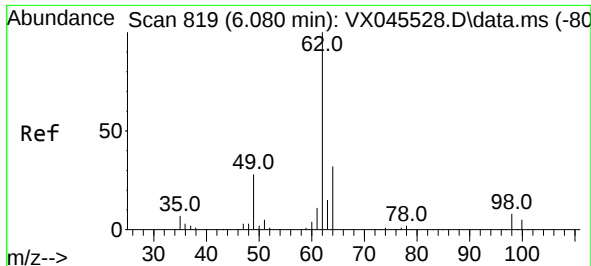
Tgt Ion:117 Resp: 261
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.570 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
55 61.3 64.9 97.3#
98 28.5 37.4 56.0#





#42

1,2-Dichloroethane

Concen: 0.244 ug/l

RT: 6.104 min Scan# 819

Delta R.T. 0.024 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

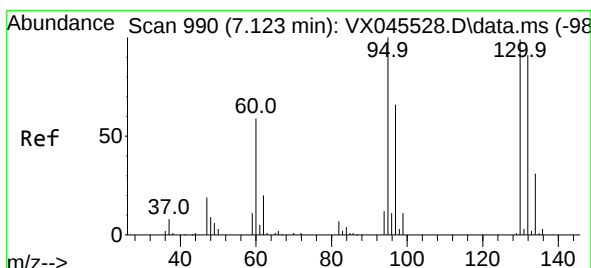
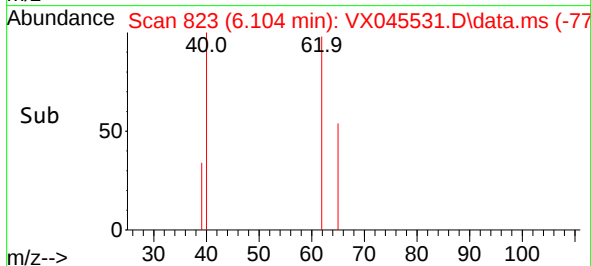
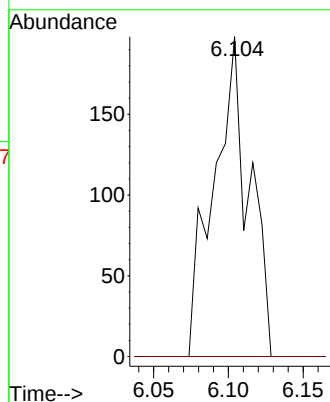
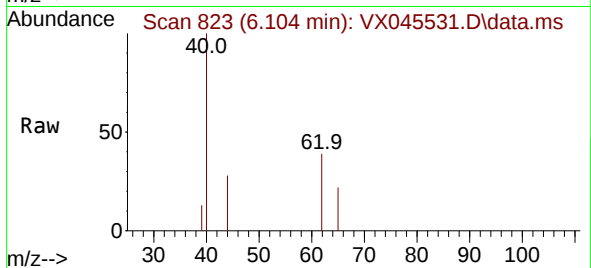
IBLK

Tgt Ion: 62 Resp: 327

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 0.614 ug/l

RT: 7.134 min Scan# 992

Delta R.T. 0.012 min

Lab File: VX045531.D

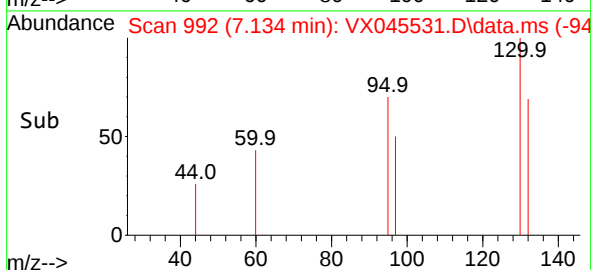
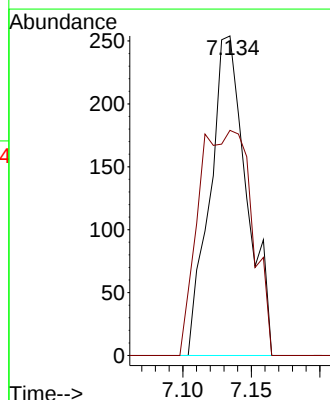
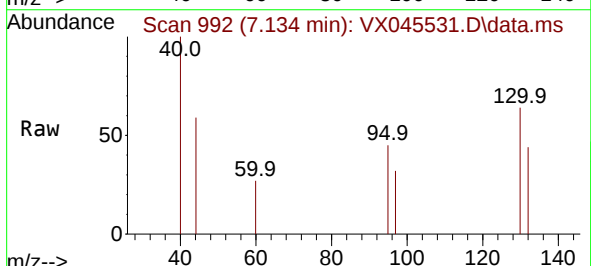
Acq: 01 Apr 2025 19:25

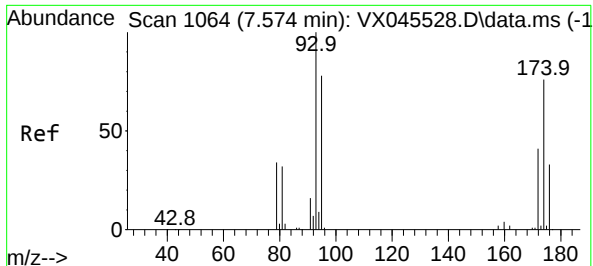
Tgt Ion: 130 Resp: 474

Ion Ratio Lower Upper

130 100

95 70.5 0.0 202.0

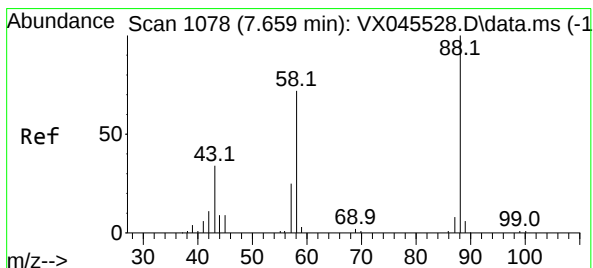
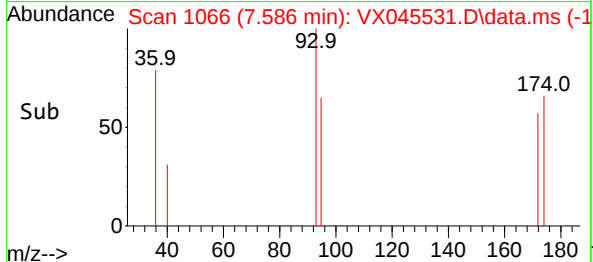
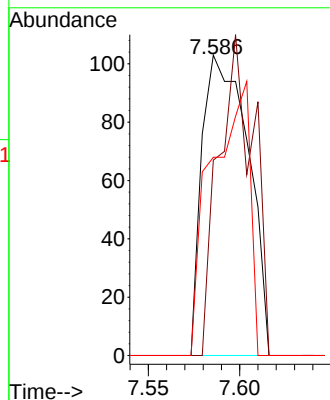
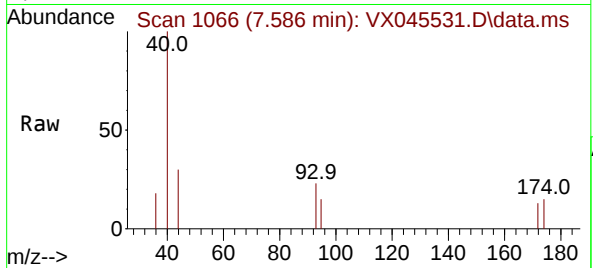




#46
Dibromomethane
Concen: 0.289 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

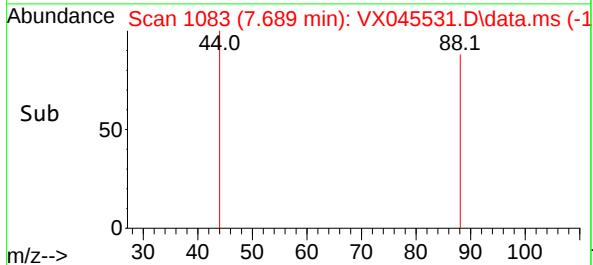
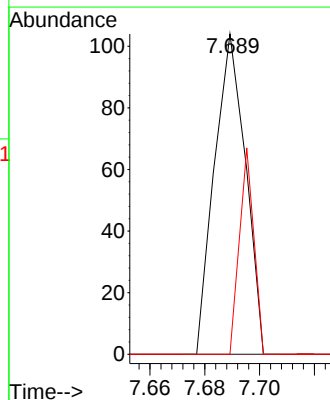
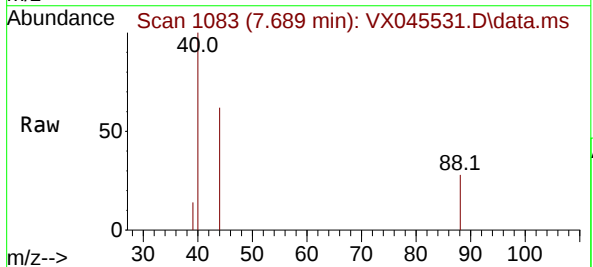
Instrument :
MSVOA_X
ClientSampleId :
IBLK

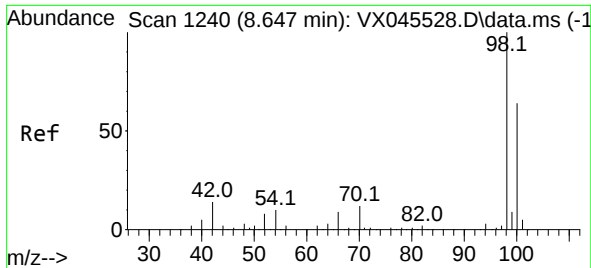
Tgt Ion: 93 Resp: 180
Ion Ratio Lower Upper
93 100
95 80.6 64.8 97.2
174 76.1 65.4 98.0



#49
1,4-Dioxane
Concen: 4.319 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 32.2 48.4#
58 30.5 58.6 88.0#

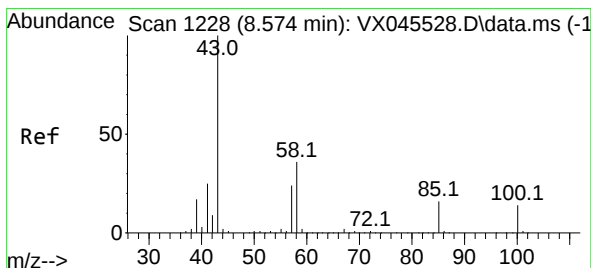
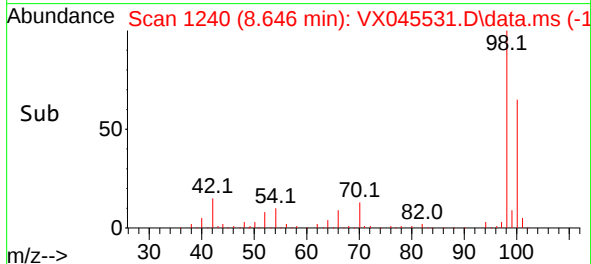
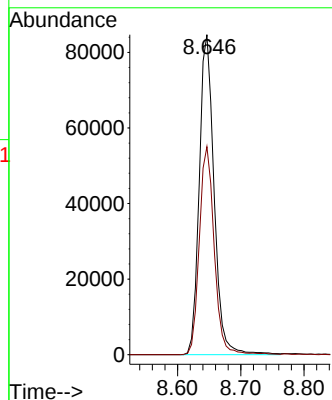
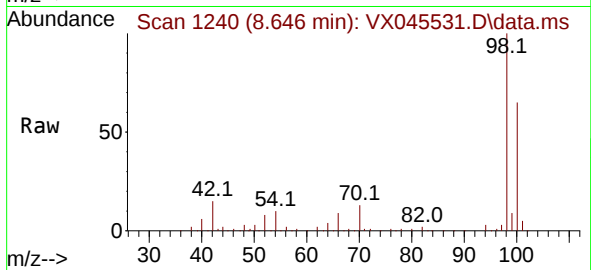




#50
Toluene-d8
Concen: 50.285 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

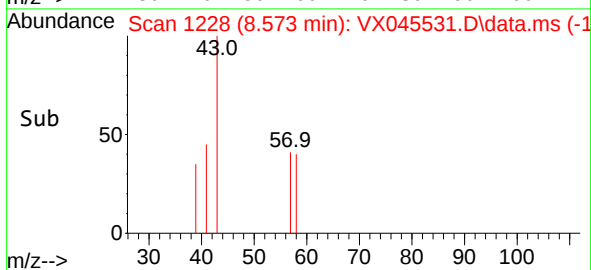
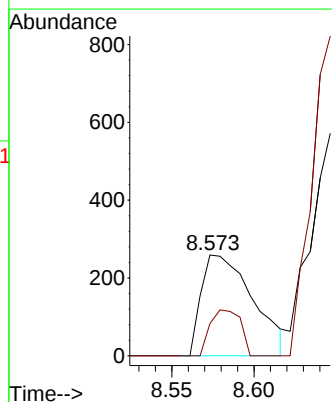
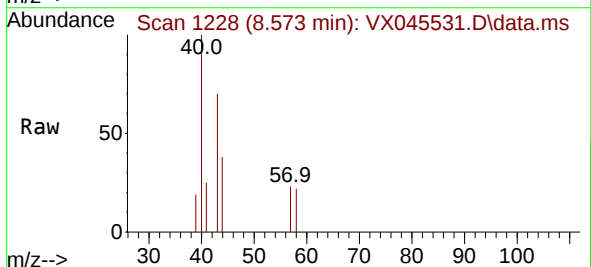
Instrument :
MSVOA_X
ClientSampleId :
IBLK

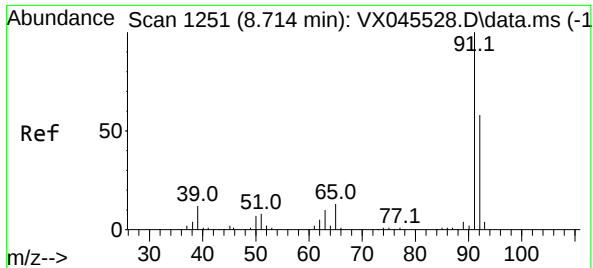
Tgt Ion: 98 Resp: 138308
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
58 26.7 28.5 42.7#





#52

Toluene

Concen: 0.244 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

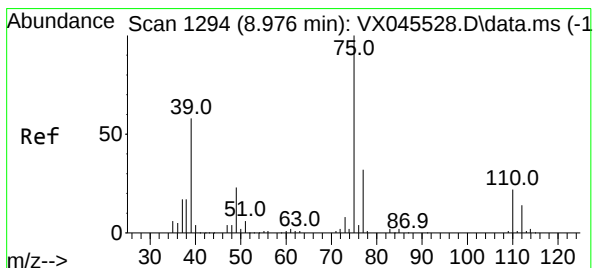
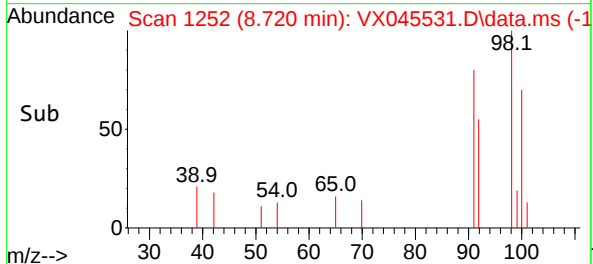
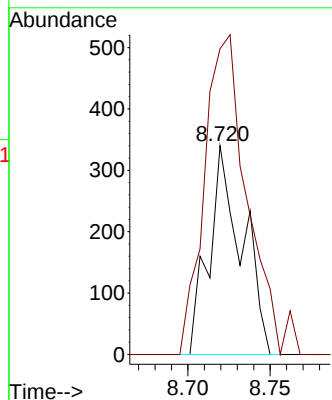
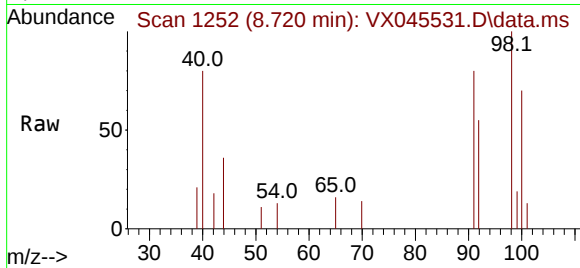
IBLK

Tgt Ion: 92 Resp: 479

Ion Ratio Lower Upper

92 100

91 198.5 138.7 208.1



#53

t-1,3-Dichloropropene

Concen: 2.548 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.018 min

Lab File: VX045531.D

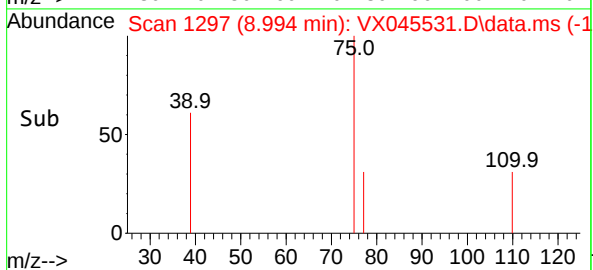
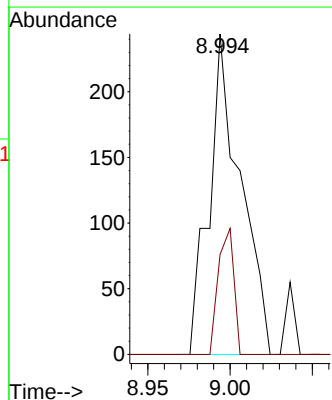
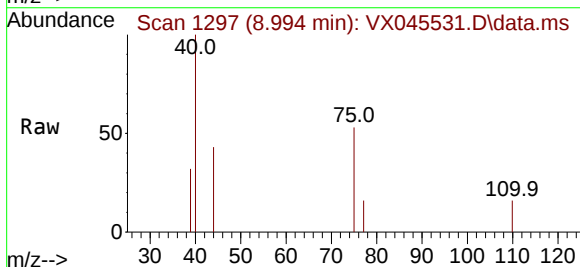
Acq: 01 Apr 2025 19:25

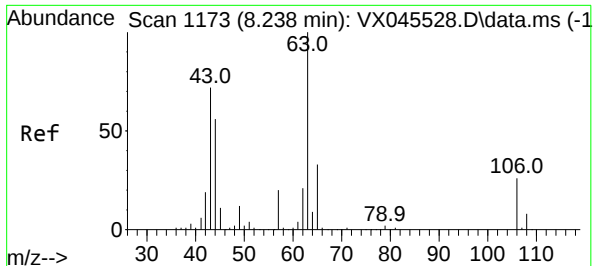
Tgt Ion: 75 Resp: 324

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

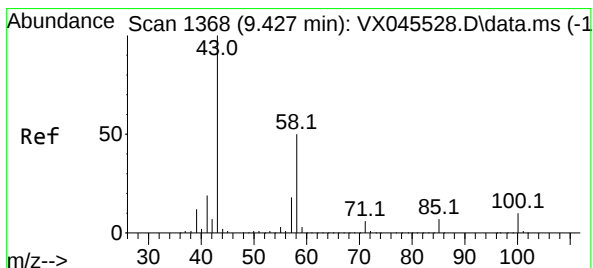
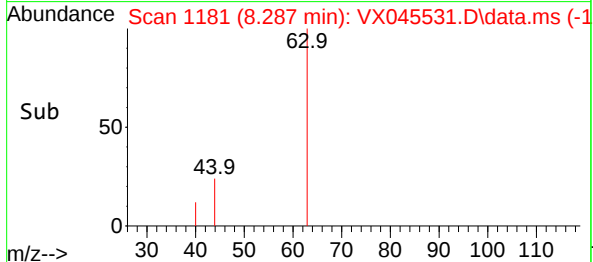
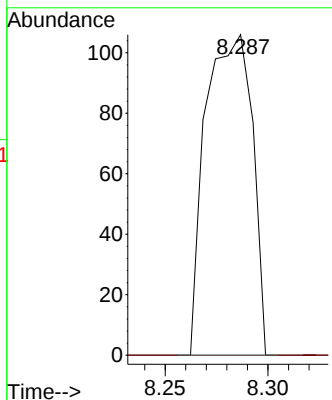
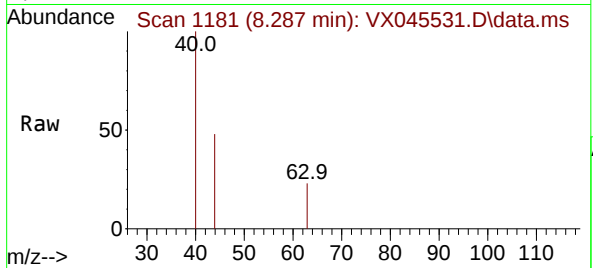




#58
2-Chloroethyl Vinyl ether
Concen: 0.274 ug/l
RT: 8.287 min Scan# 1181
Delta R.T. 0.048 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

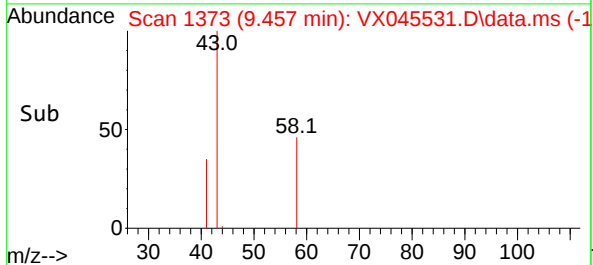
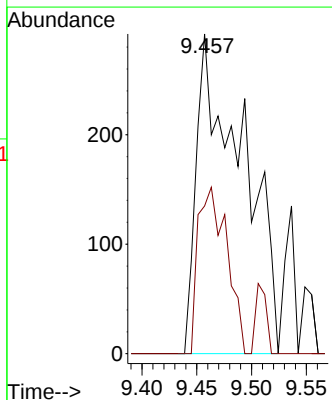
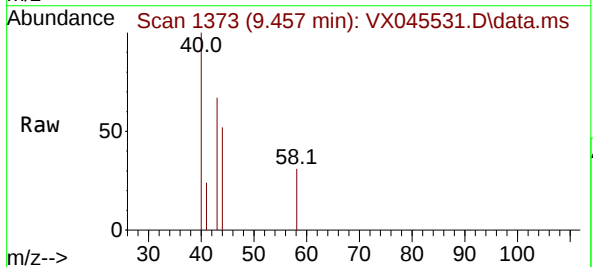
Instrument :
MSVOA_X
ClientSampleId :
IBLK

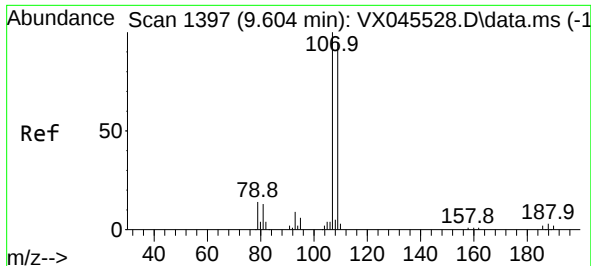
Tgt Ion: 63 Resp: 168
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#



#59
2-Hexanone
Concen: 0.853 ug/l
RT: 9.457 min Scan# 1373
Delta R.T. 0.030 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 32.8 24.9 74.6

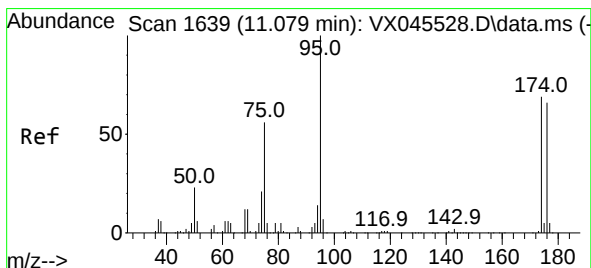
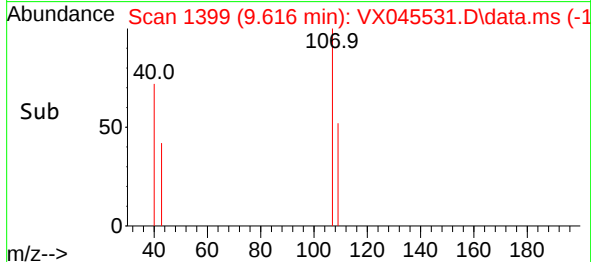
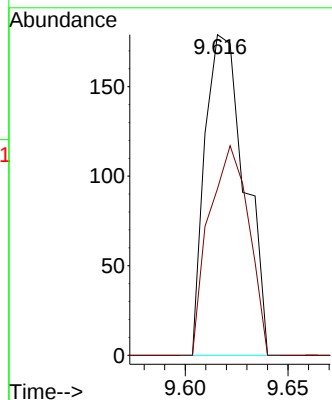
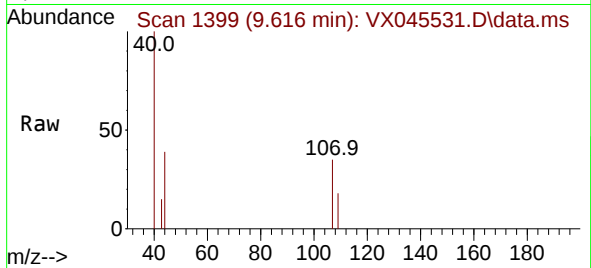




#61
1,2-Dibromoethane
Concen: 0.303 ug/l
RT: 9.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

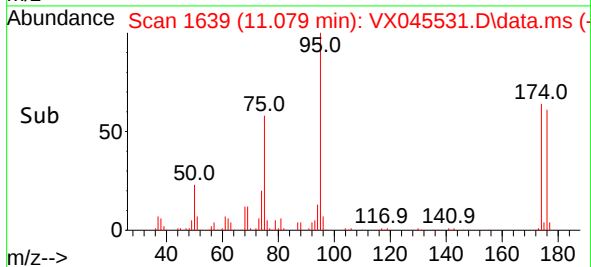
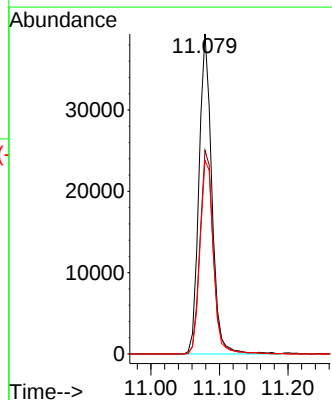
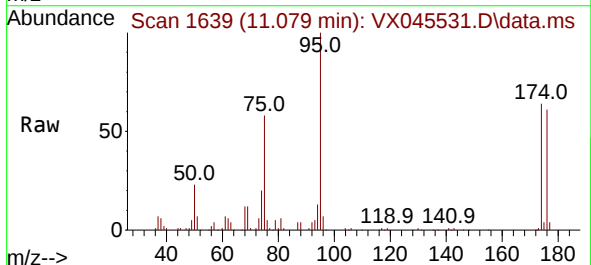
Instrument :
MSVOA_X
ClientSampleId :
IBLK

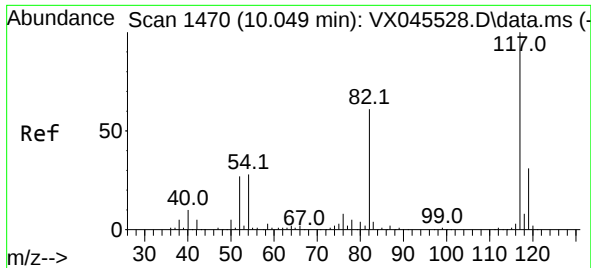
Tgt Ion:107 Resp: 240
Ion Ratio Lower Upper
107 100
109 65.4 75.7 113.5#



#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 95 Resp: 51304
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 63.3 0.0 131.4

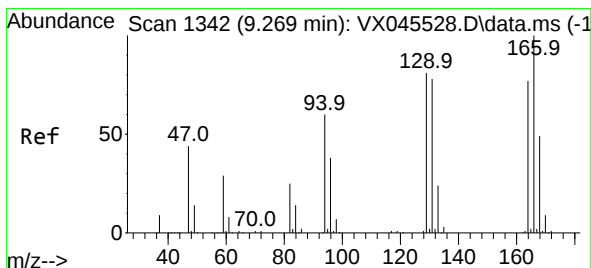
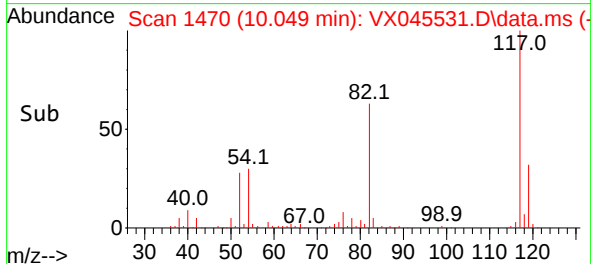
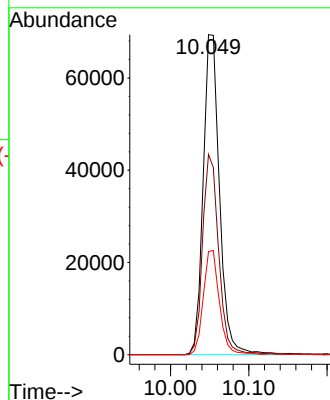
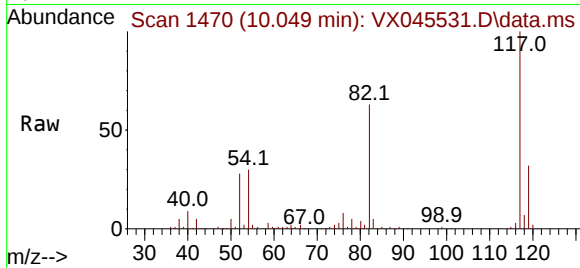




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

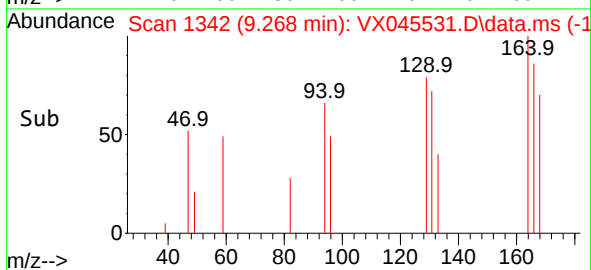
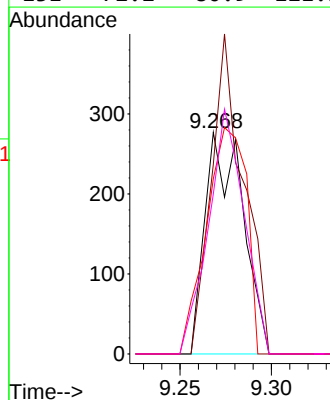
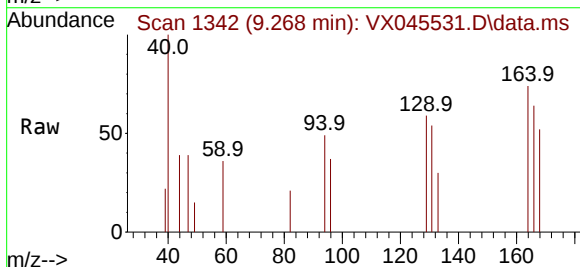
Instrument :
MSVOA_X
ClientSampleId :
IBLK

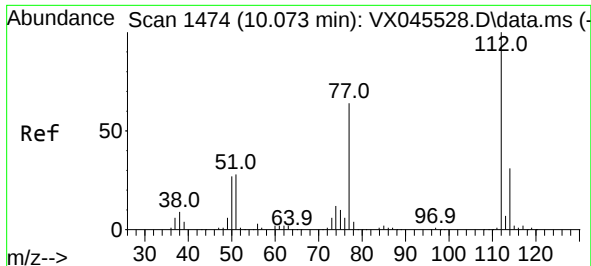
Tgt Ion:117 Resp: 100641
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 32.2 25.1 37.7



#64
Tetrachloroethene
Concen: 0.560 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.001 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion:164 Resp: 398
Ion Ratio Lower Upper
164 100
166 85.6 103.8 155.8#
129 79.1 84.3 126.5#
131 72.2 80.9 121.3#

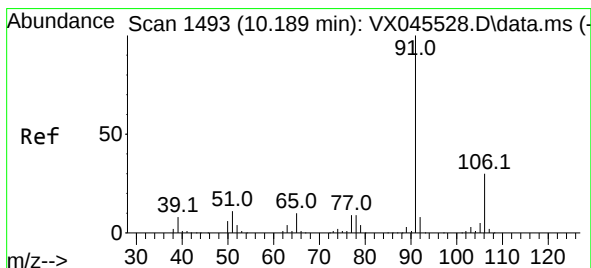
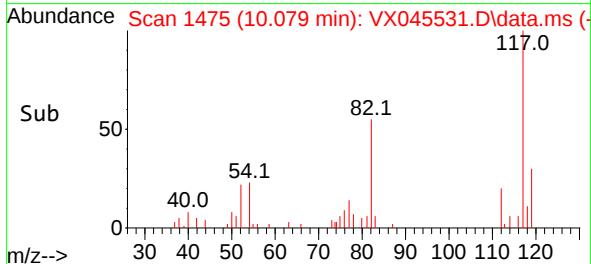
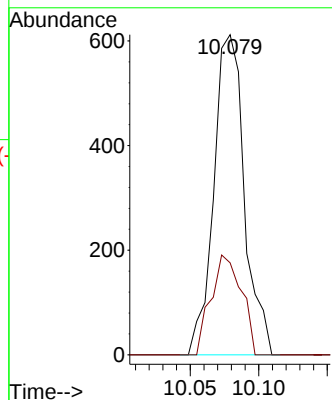
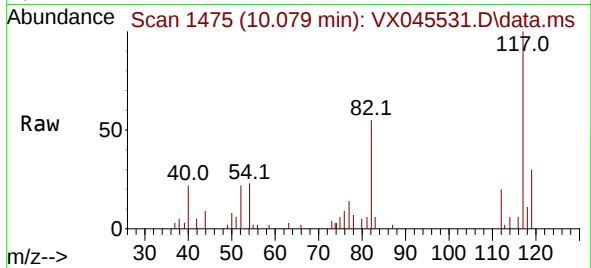




#65
Chlorobenzene
Concen: 0.441 ug/l
RT: 10.079 min Scan# 1474
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

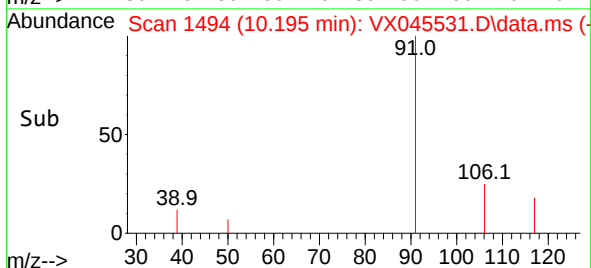
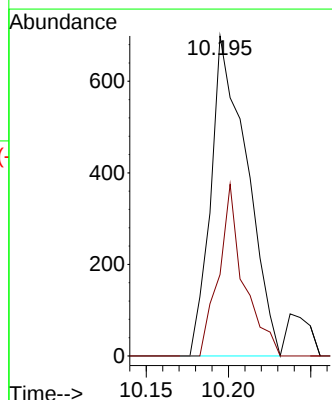
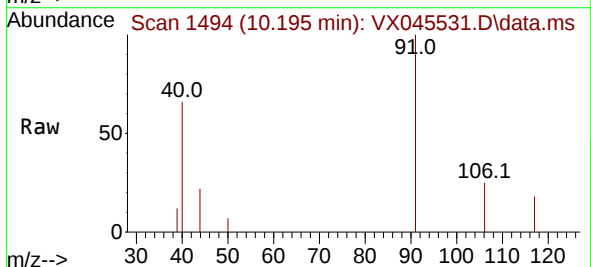
Instrument :
MSVOA_X
ClientSampleId :
IBLK

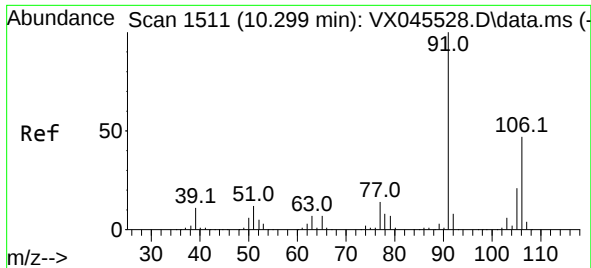
Tgt Ion:112 Resp: 949
Ion Ratio Lower Upper
112 100
114 28.8 24.7 37.1



#67
Ethyl Benzene
Concen: 0.277 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 91 Resp: 1066
Ion Ratio Lower Upper
91 100
106 25.5 23.7 35.5

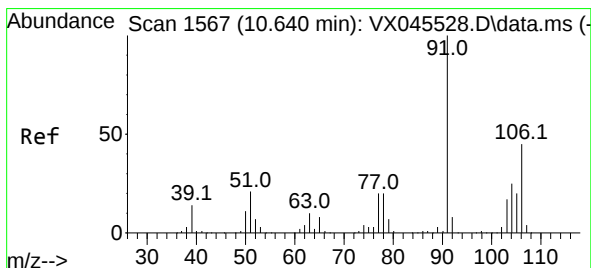
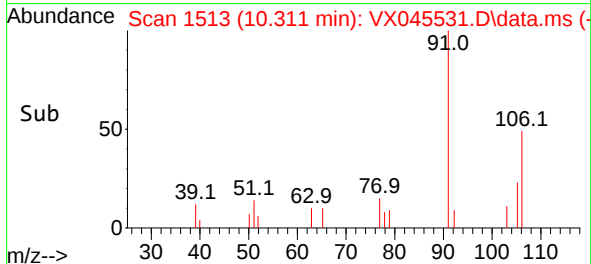
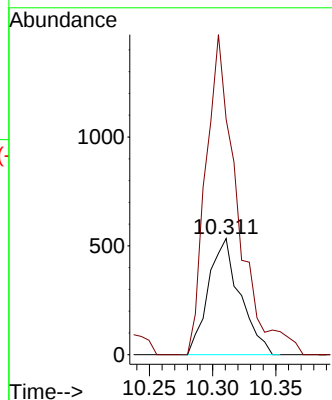
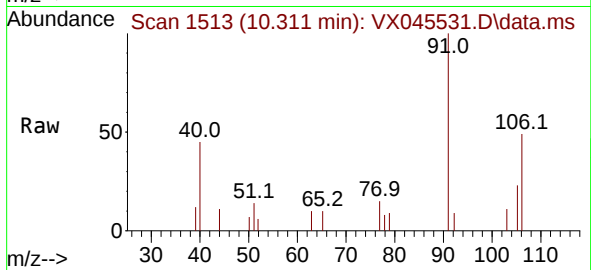




#68
m/p-Xylenes
Concen: 0.665 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

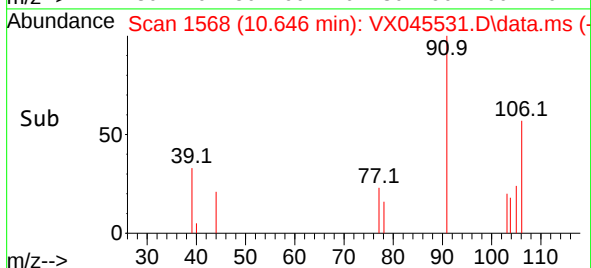
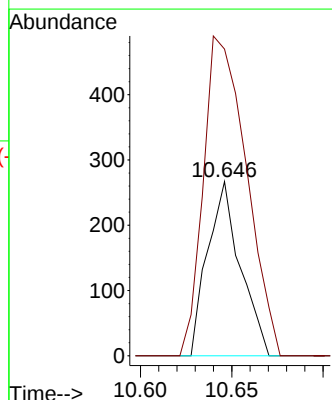
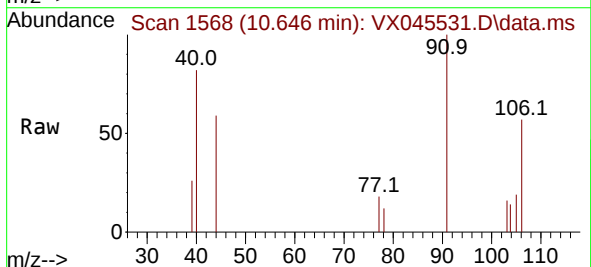
Instrument :
MSVOA_X
ClientSampleId :
IBLK

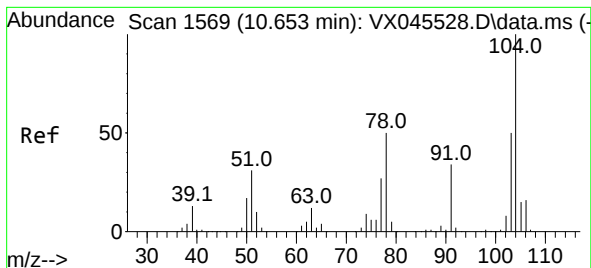
Tgt Ion:106 Resp: 932
Ion Ratio Lower Upper
106 100
91 272.7 172.6 258.8#



#69
o-Xylene
Concen: 0.241 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion:106 Resp: 332
Ion Ratio Lower Upper
106 100
91 241.0 113.6 340.6





#70

Styrene

Concen: 0.370 ug/l

RT: 10.664 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

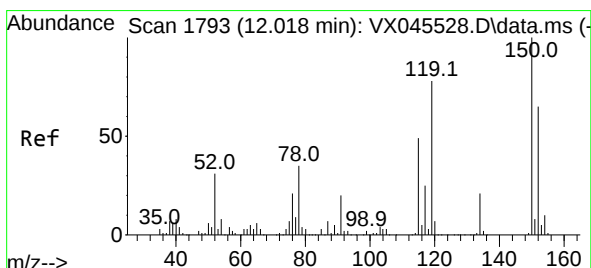
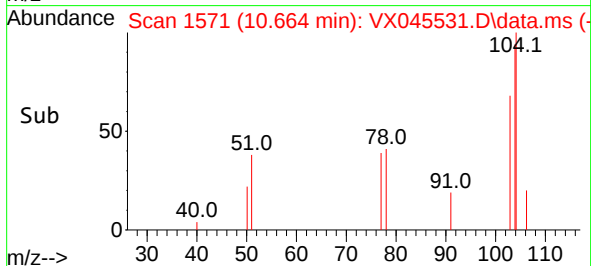
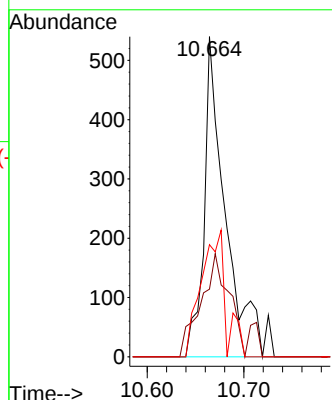
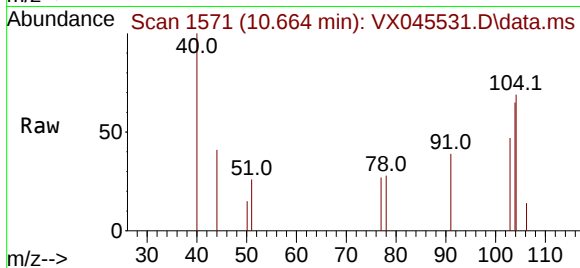
Tgt Ion:104 Resp: 843

Ion Ratio Lower Upper

104 100

78 41.6 45.4 68.2#

103 44.6 43.8 65.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

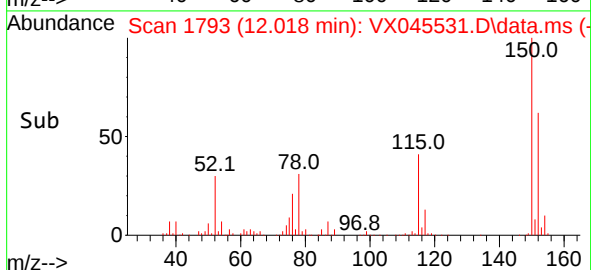
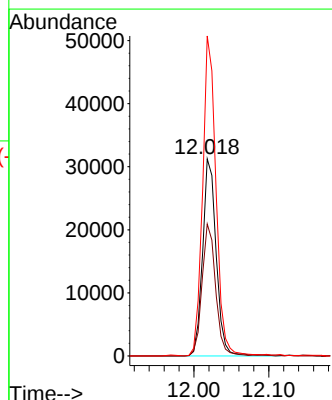
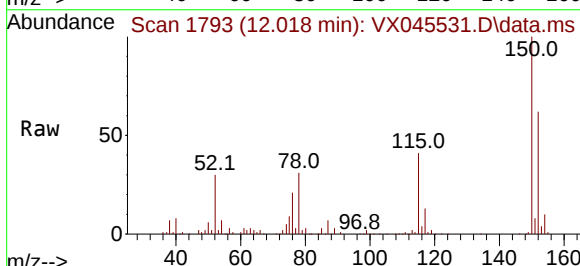
Tgt Ion:152 Resp: 39584

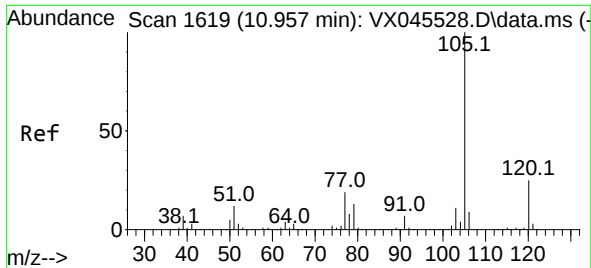
Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 160.2 0.0 349.4

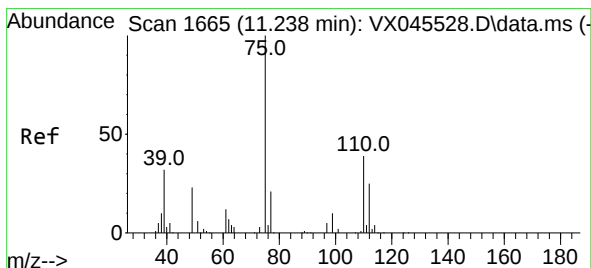
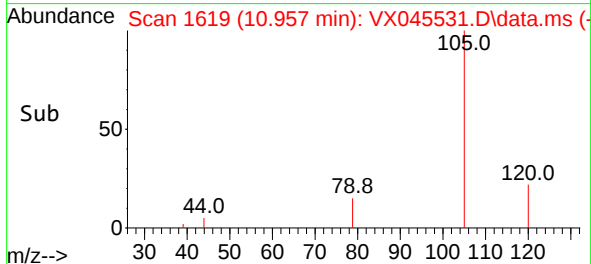
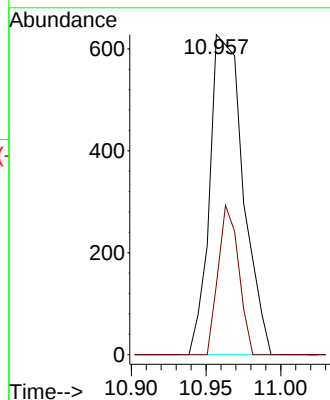
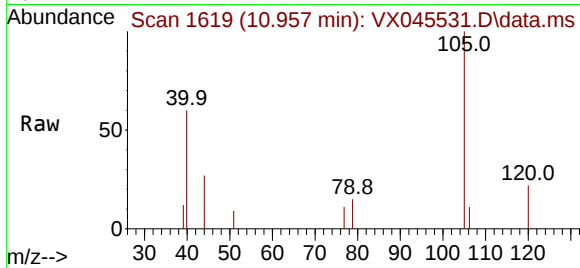




#73
Isopropylbenzene
Concen: 0.309 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

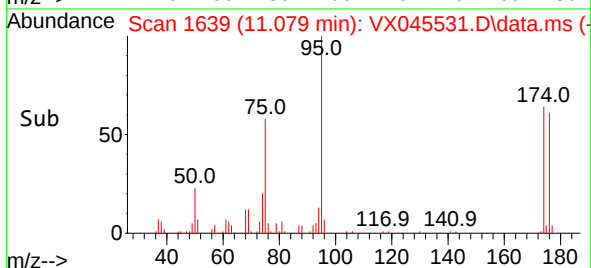
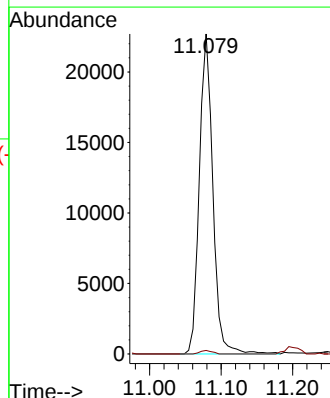
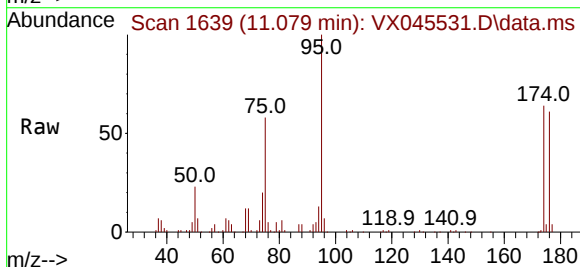
Instrument :
MSVOA_X
ClientSampleId :
IBLK

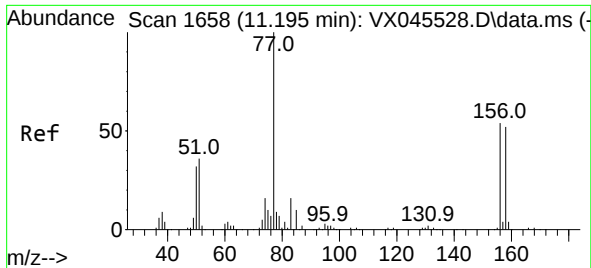
Tgt Ion:105 Resp: 979
Ion Ratio Lower Upper
105 100
120 28.4 12.7 38.0



#76
1,2,3-Trichloropropane
Concen: 30.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 75 Resp: 29795
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

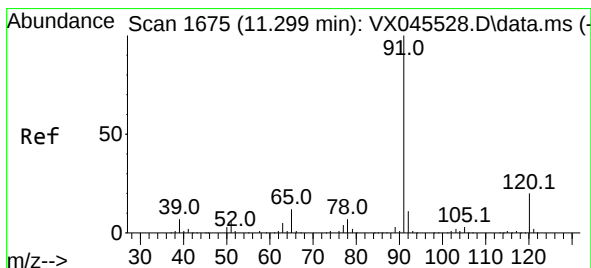
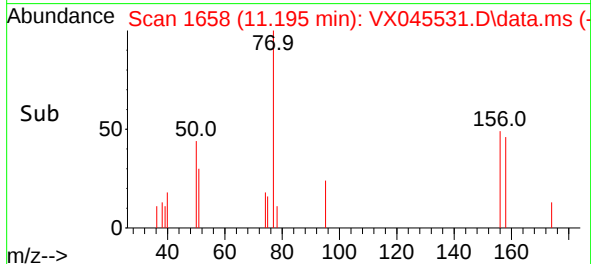
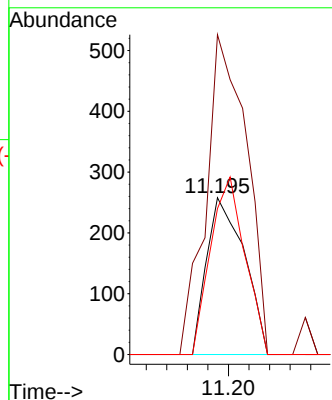
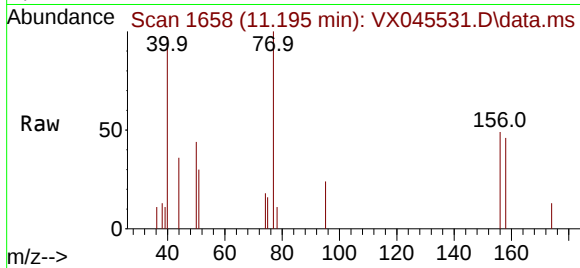




#77
Bromobenzene
Concen: 0.448 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

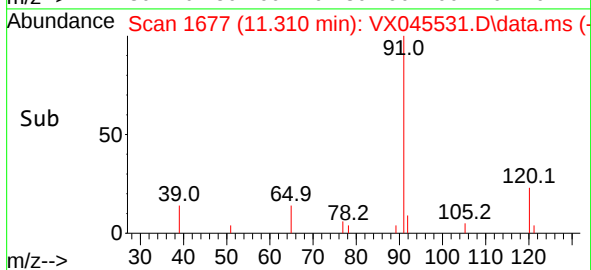
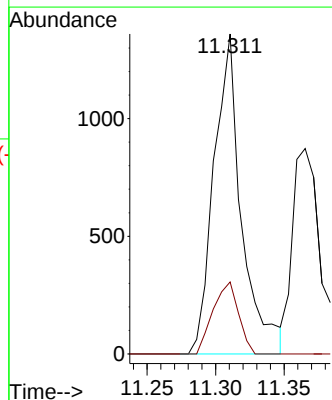
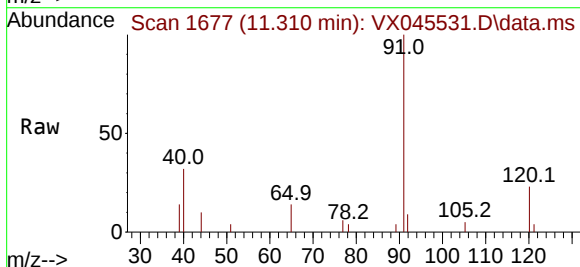
Instrument :
MSVOA_X
ClientSampleId :
IBLK

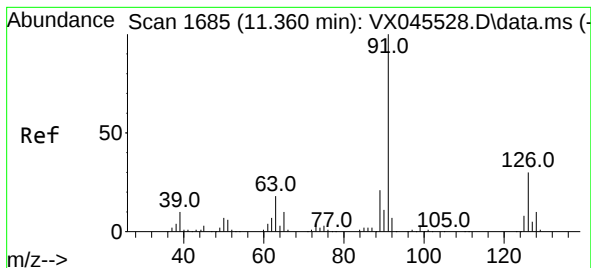
Tgt Ion:156 Resp: 328
Ion Ratio Lower Upper
156 100
77 220.4 92.6 277.8
158 104.0 48.1 144.4



#78
n-propylbenzene
Concen: 0.521 ug/l
RT: 11.310 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 91 Resp: 1902
Ion Ratio Lower Upper
91 100
120 20.7 10.8 32.3

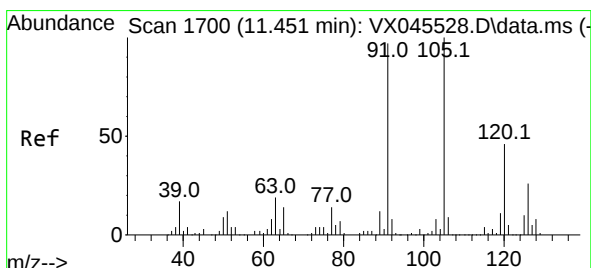
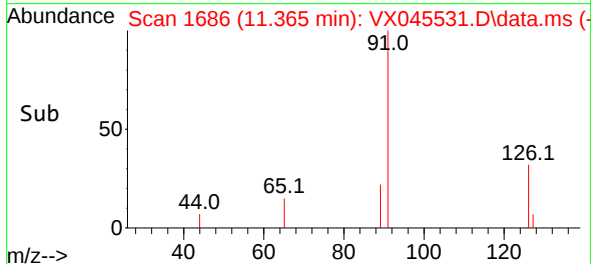
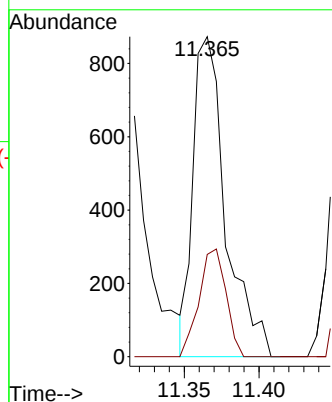
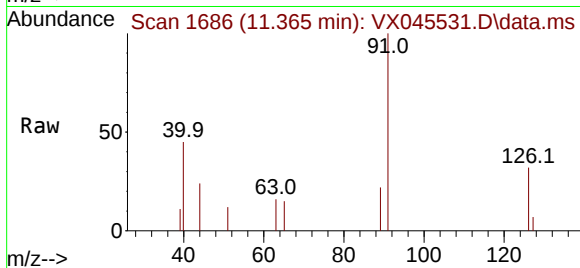




#79
2-Chlorotoluene
Concen: 0.566 ug/l
RT: 11.365 min Scan# 11365
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

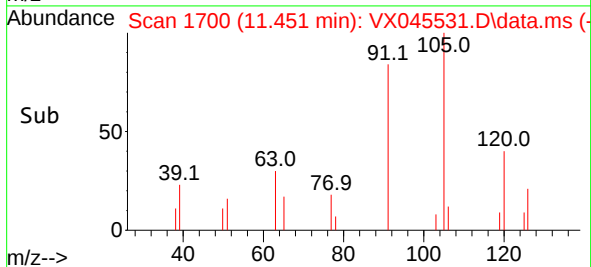
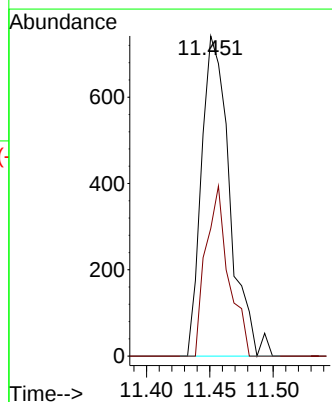
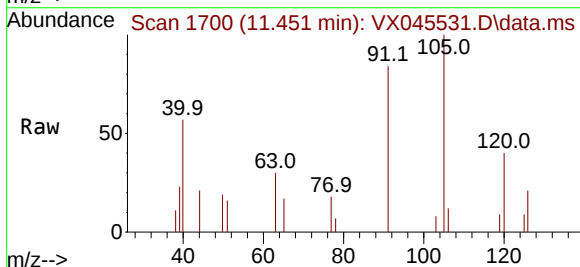
Instrument :
MSVOA_X
ClientSampleId :
IBLK

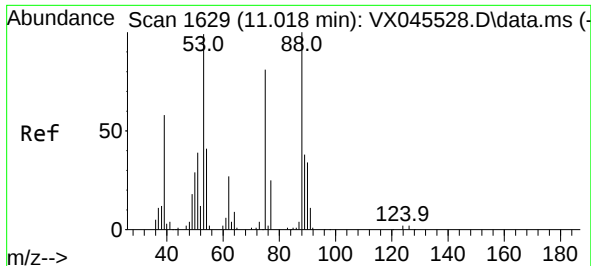
Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
126 27.9 15.8 47.4



#80
1,3,5-Trimethylbenzene
Concen: 0.440 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 105 Resp: 1153
Ion Ratio Lower Upper
105 100
120 42.8 23.0 69.0

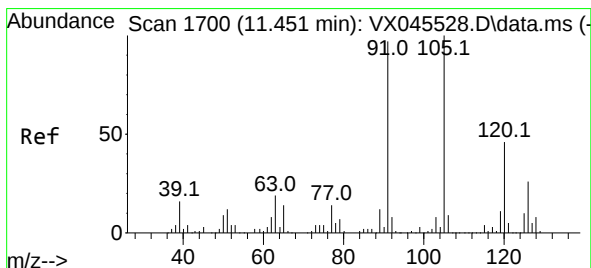
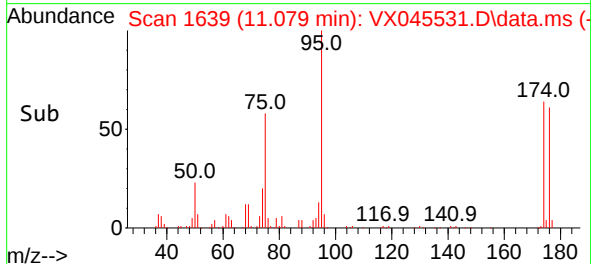
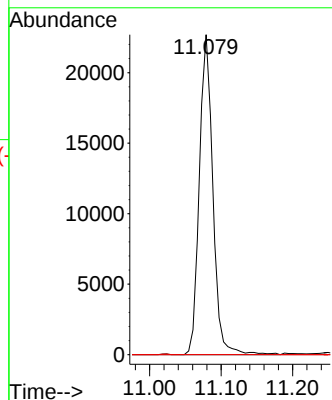
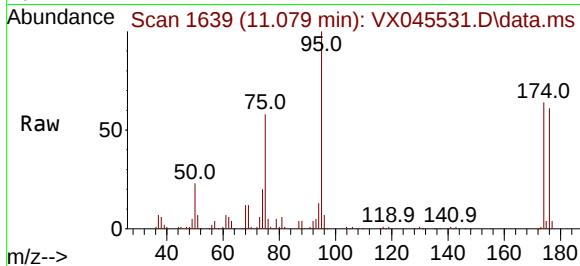




#81
trans-1,4-Dichloro-2-butene
Concen: 104.729 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

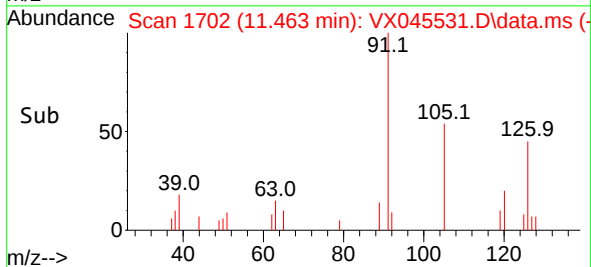
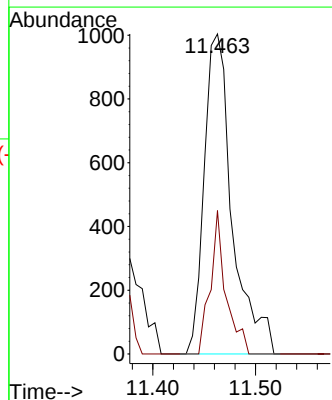
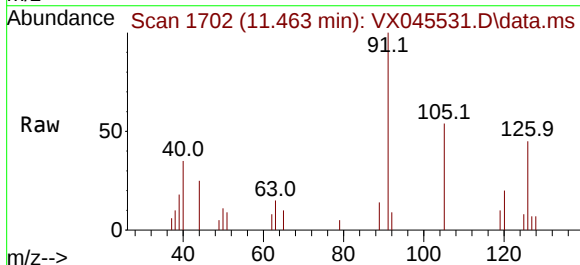
Instrument :
MSVOA_X
ClientSampleId :
IBLK

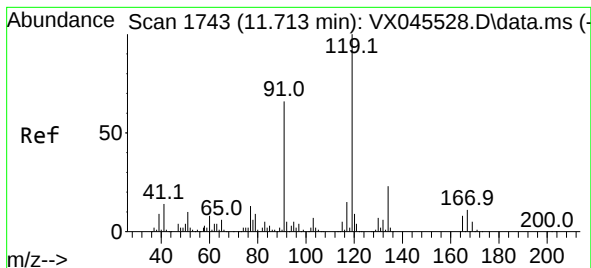
Tgt Ion: 75 Resp: 29795
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.734 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 91 Resp: 1910
Ion Ratio Lower Upper
91 100
126 24.8 13.3 39.9





#83

tert-Butylbenzene

Concen: 0.332 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

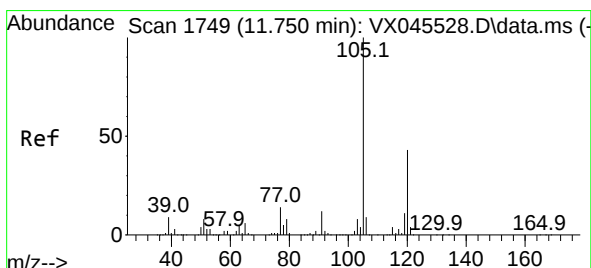
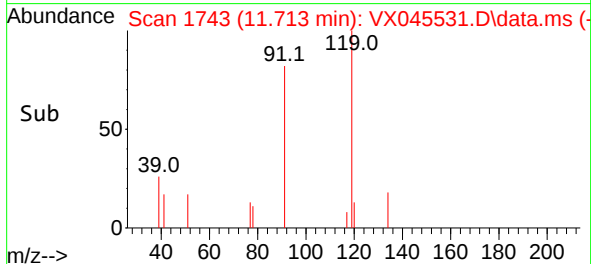
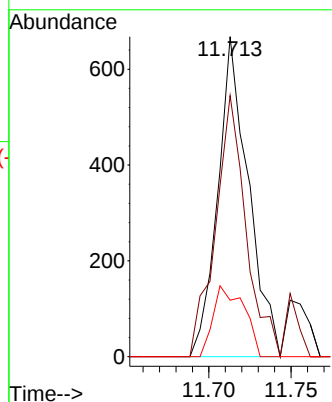
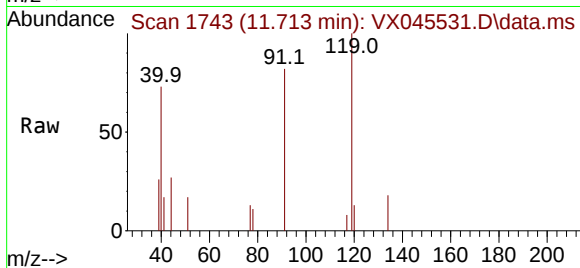
Tgt Ion:119 Resp: 863

Ion Ratio Lower Upper

119 100

91 81.5 32.4 97.2

134 22.2 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 0.429 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX045531.D

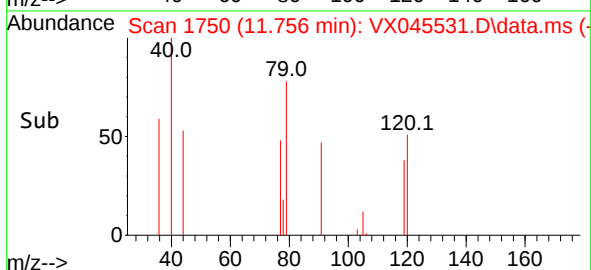
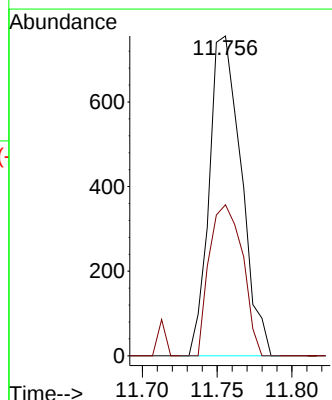
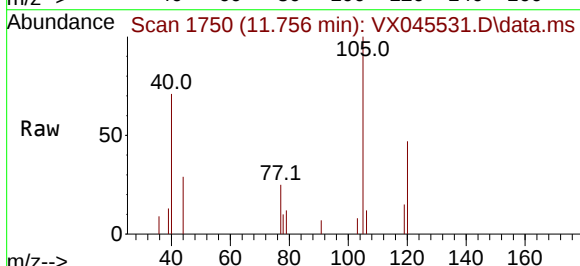
Acq: 01 Apr 2025 19:25

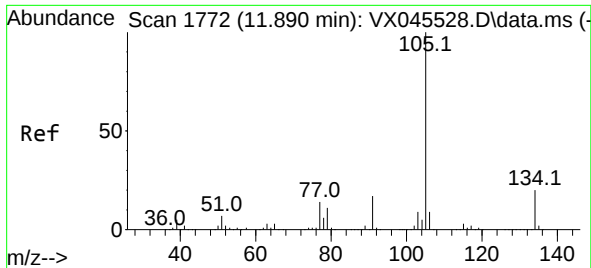
Tgt Ion:105 Resp: 1128

Ion Ratio Lower Upper

105 100

120 48.9 21.4 64.3

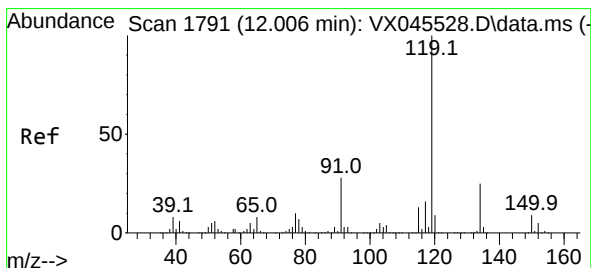
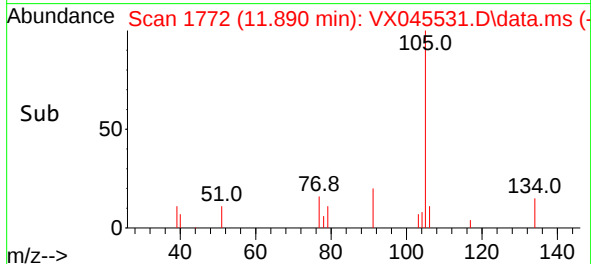
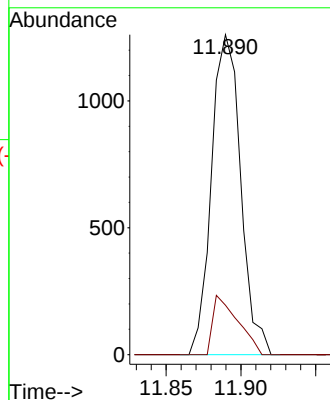
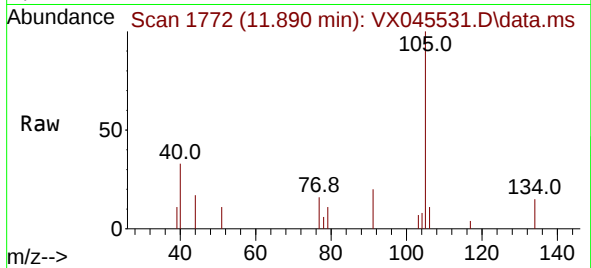




#85
 sec-Butylbenzene
 Concen: 0.537 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

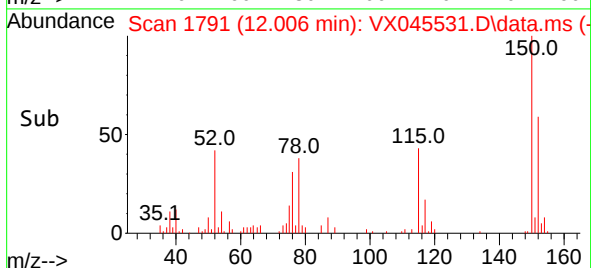
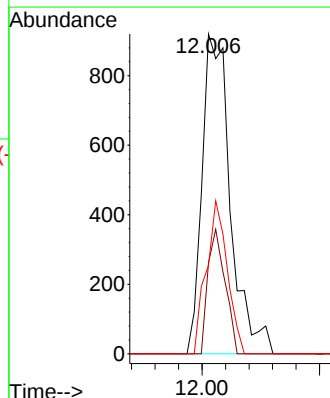
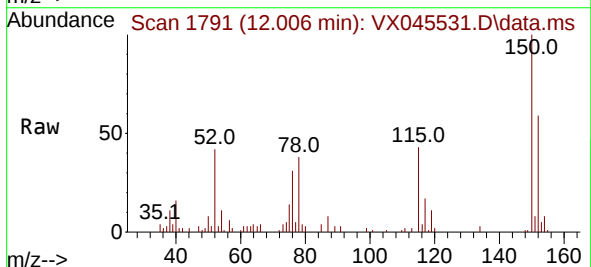
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

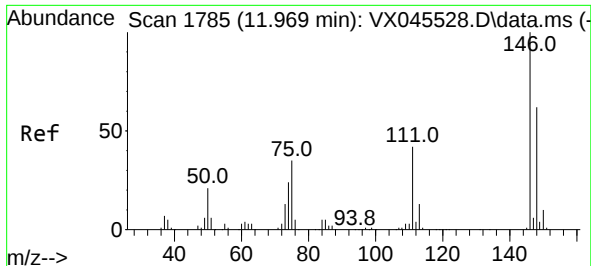
Tgt Ion:105 Resp: 1713
 Ion Ratio Lower Upper
 105 100
 134 15.8 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 0.584 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

Tgt Ion:119 Resp: 1536
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.6 37.8
 91 35.5 13.7 41.1





#87

1,3-Dichlorobenzene

Concen: 0.954 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

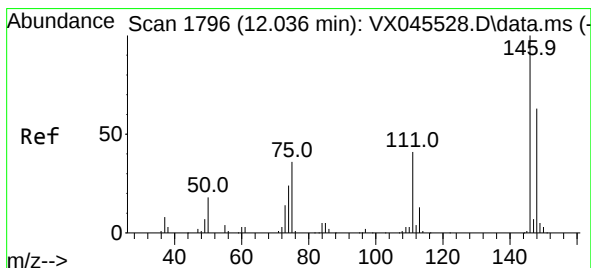
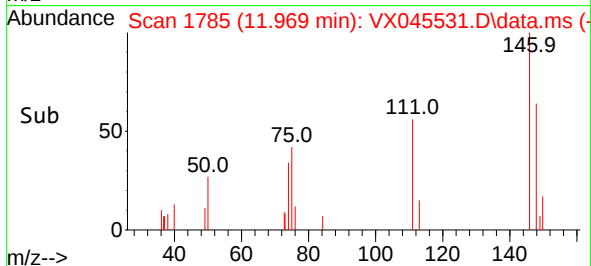
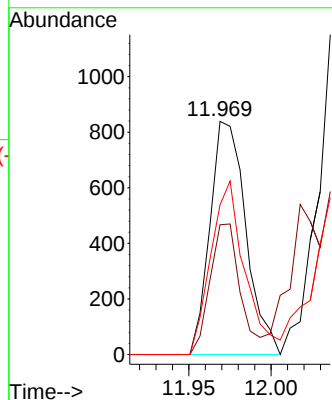
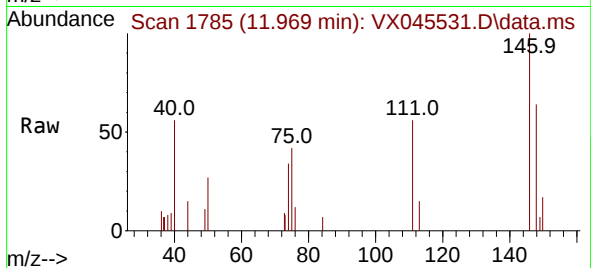
Tgt Ion:146 Resp: 1272

Ion Ratio Lower Upper

146 100

111 47.2 22.2 66.6

148 71.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.941 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

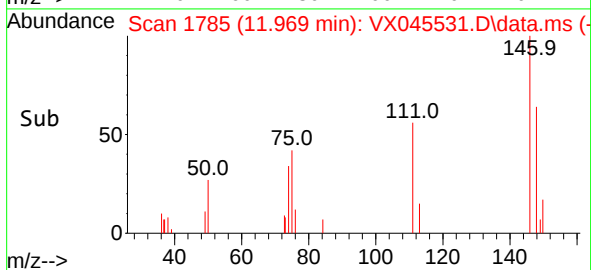
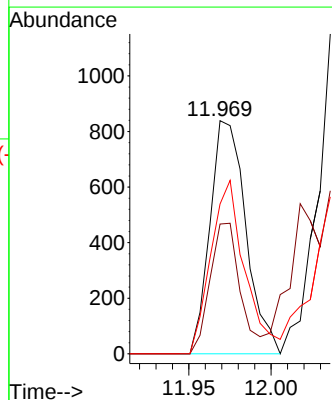
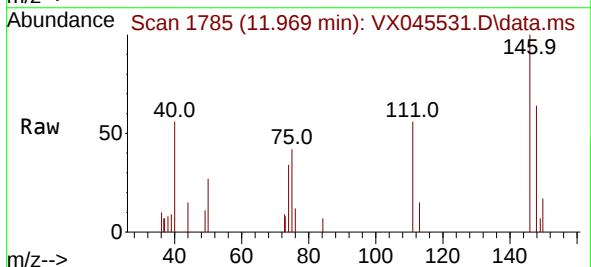
Tgt Ion:146 Resp: 1272

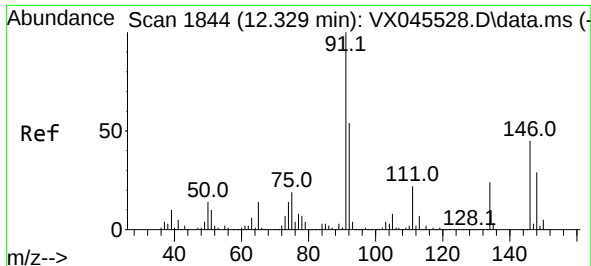
Ion Ratio Lower Upper

146 100

111 47.2 20.9 62.8

148 71.1 31.5 94.5





#89

n-Butylbenzene

Concen: 0.999 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

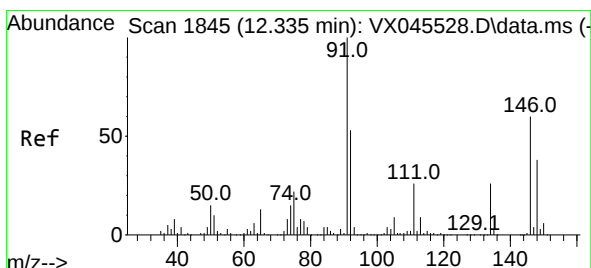
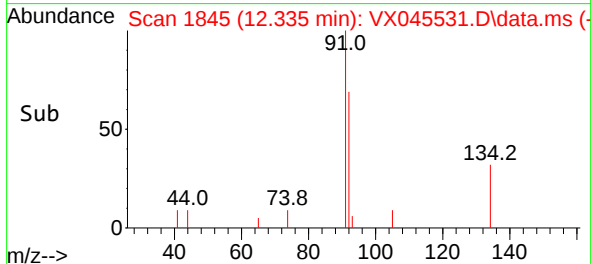
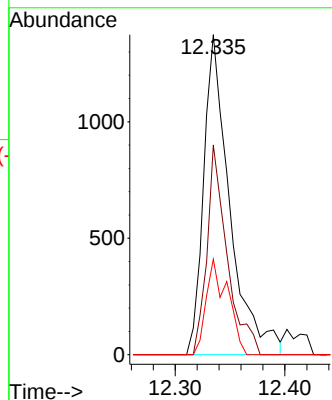
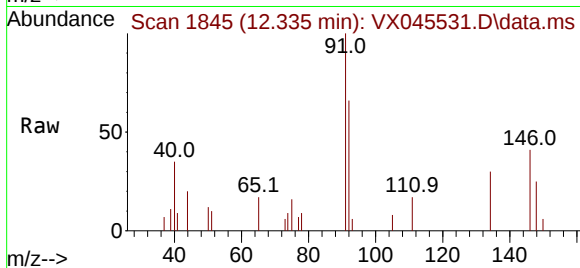
Tgt Ion: 91 Resp: 2276

Ion Ratio Lower Upper

91 100

92 50.5 26.9 80.6

134 24.6 11.9 35.7



#91

1,2-Dichlorobenzene

Concen: 0.742 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX045531.D

Acq: 01 Apr 2025 19:25

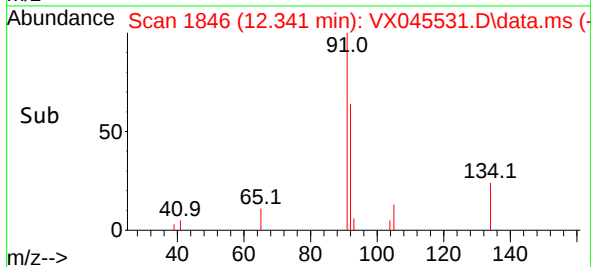
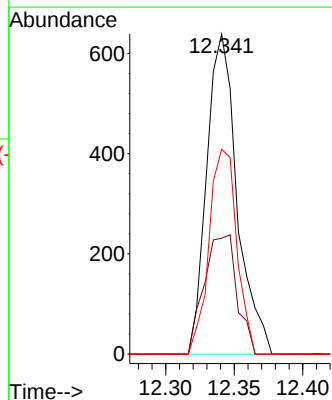
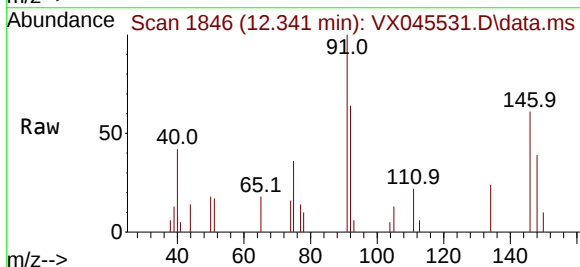
Tgt Ion: 146 Resp: 984

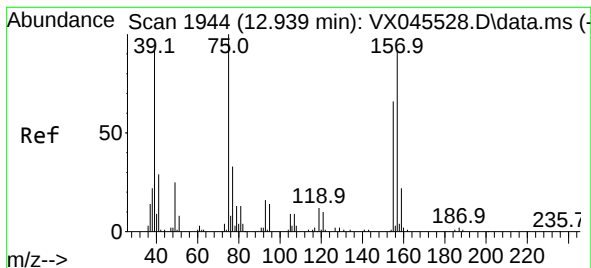
Ion Ratio Lower Upper

146 100

111 40.0 22.9 68.8

148 58.3 31.9 95.5

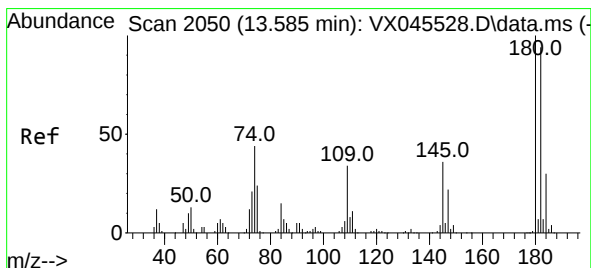
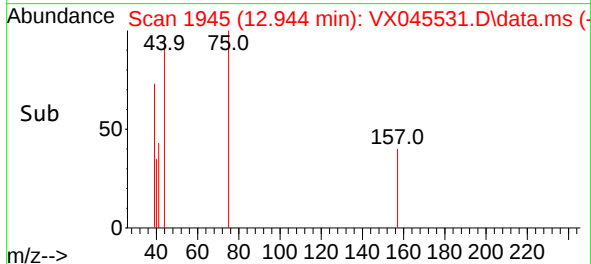
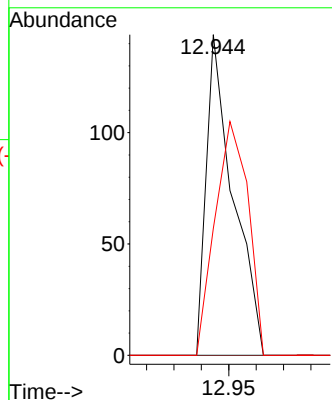
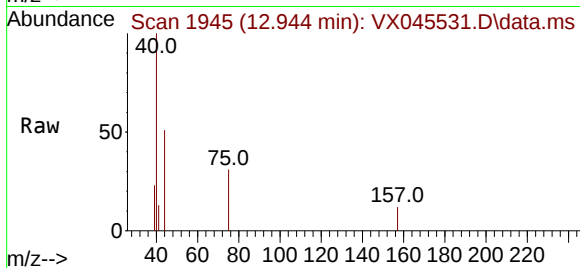




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.421 ug/l
RT: 12.944 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

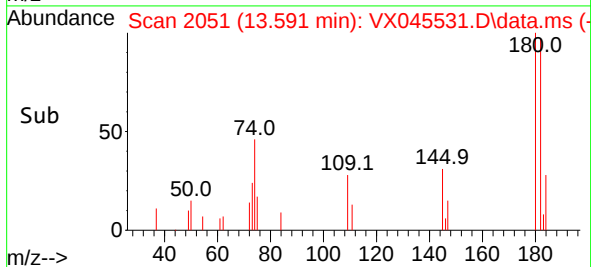
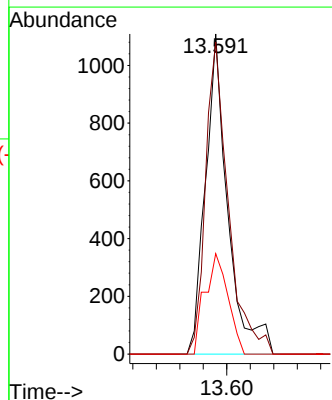
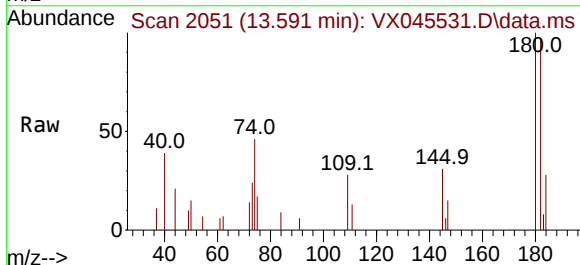
Instrument :
MSVOA_X
ClientSampleId :
IBLK

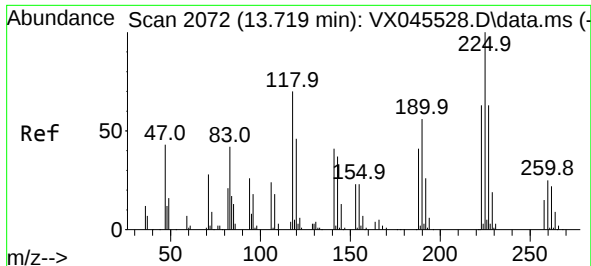
Tgt Ion: 75 Resp: 98
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.7#
157 89.8 44.9 134.7



#93
1,2,4-Trichlorobenzene
Concen: 1.978 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

Tgt Ion: 180 Resp: 1460
Ion Ratio Lower Upper
180 100
182 99.8 47.9 143.6
145 32.4 17.9 53.8

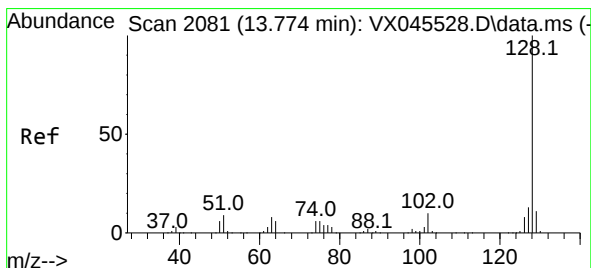
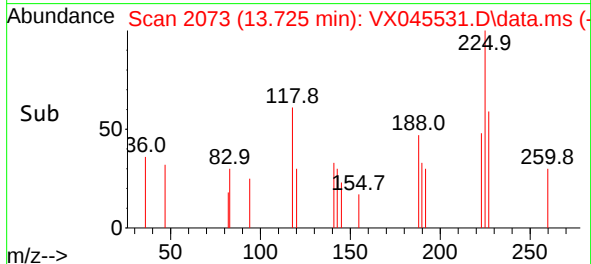
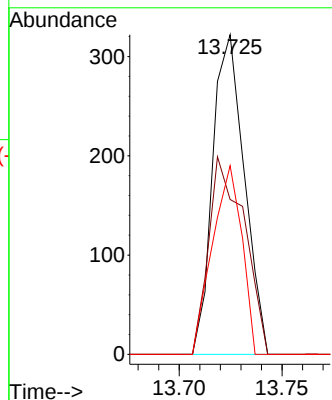
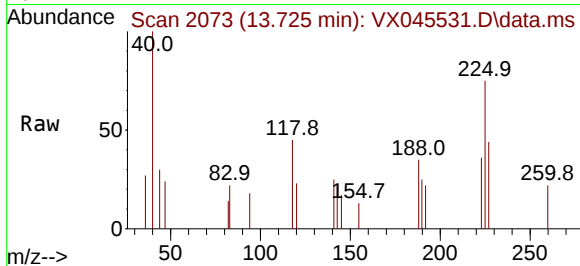




#94
Hexachlorobutadiene
Concen: 1.082 ug/l
RT: 13.725 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

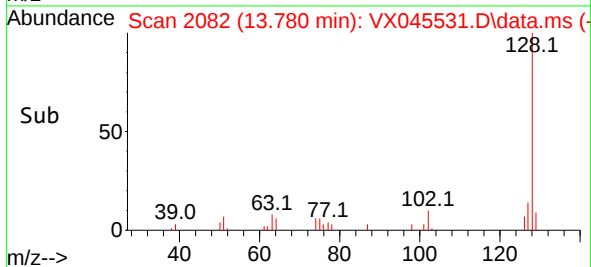
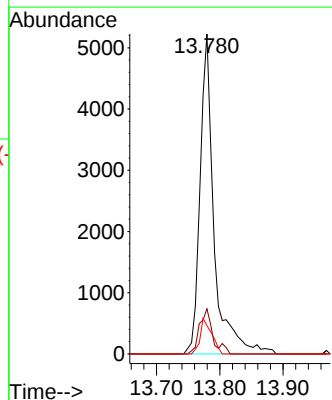
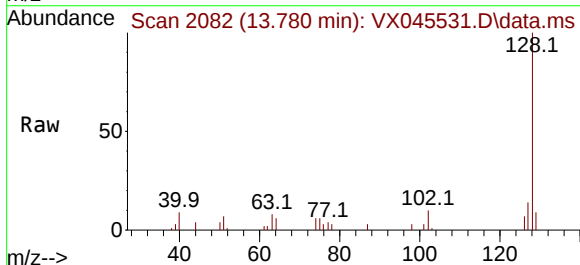
Instrument :
MSVOA_X
ClientSampleId :
IBLK

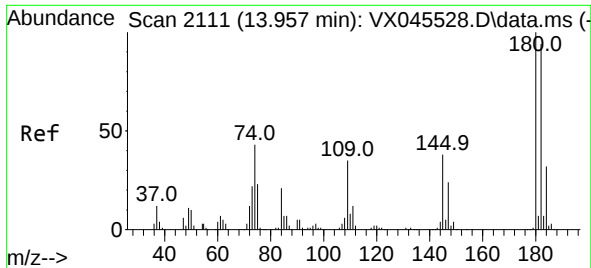
Tgt Ion:	225	Resp:	344
Ion	Ratio	Lower	Upper
225	100		
223	69.2	31.1	93.3
227	54.9	32.2	96.6



#95
Naphthalene
Concen: 2.933 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045531.D
Acq: 01 Apr 2025 19:25

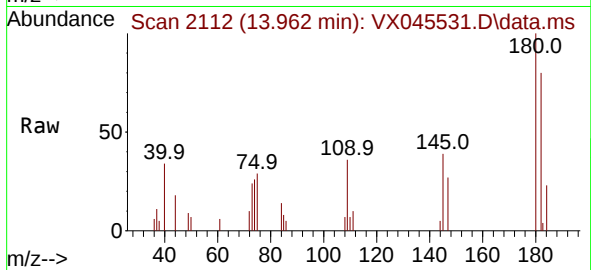
Tgt Ion:	128	Resp:	8056
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	9.1	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.298 ug/l
 RT: 13.962 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX045531.D
 Acq: 01 Apr 2025 19:25

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1776
Ion	Ratio	Lower	Upper
180	100		
182	85.7	47.3	141.8
145	33.4	18.2	54.6

