

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102225\
 Data File : VT019160.D
 Acq On : 22 Oct 2025 15:48
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK

Quant Time: Oct 24 06:06:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.089	128	19458	30.000	ug/l	# 0.01
28) 1,4-Difluorobenzene	8.582	114	125103	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.754	117	105430	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.971	65	51956	30.478	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.600%
60) 4-Bromofluorobenzene	12.888	95	47593	28.722	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.733%
63) Toluene-d8	10.256	98	151385	29.501	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.333%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.207	62	302	0.220	ug/l	# 43
5) Bromomethane	2.577	94	496	0.436	ug/l	# 8
12) Methyl Acetate	4.234	43	1654	0.479	ug/l	# 53
13) Acrolein	3.540	56	241	2.068	ug/l	# 14
14) Acrylonitrile	4.862	53	1692	1.589	ug/l	# 62
15) Acetone	3.758	58	736	1.940	ug/l	# 17
16) Carbon Disulfide	3.975	76	2823	1.730	ug/l	# 75
18) Methylene Chloride	4.445	84	496	0.381	ug/l	# 44
19) trans-1,2-Dichloroethene	6.707	96	421	0.313	ug/l	# 41
22) cis-1,2-Dichloroethene	6.707	96	421	0.313	ug/l	# 45
23) tert-Butyl Alcohol	4.669	59	629	1.348	ug/l	# 100
29) 1,1-Dichloropropene	7.712	75	276	0.211	ug/l	# 41
30) 2-Butanone	6.707	43	1280	0.793	ug/l	# 78
35) Methacrylonitrile	7.054	41	287	0.209	ug/l	# 27
40) Dibromomethane	9.263	93	211	0.269	ug/l	# 16
42) Vinyl Acetate	5.767	43	1311	0.331	ug/l	# 76
45) 1,4-Dioxane	9.257	88	55	1.519	ug/l	# 36
47) n-amyl Acetate	12.495	43	737	0.262	ug/l	# 85
48) t-1,3-Dichloropropene	10.585	75	829	0.454	ug/l	# 44
49) cis-1,3-Dichloropropene	9.968	75	437	0.228	ug/l	# 32
52) 1,3-Dichloropropane	10.955	76	436	0.212	ug/l	# 43
55) 2-Chloroethyl vinyl ether	9.804	63	198	0.314	ug/l	# 45
58) 4-Methyl-2-Pentanone	10.145	43	5519	2.138	ug/l	96
59) 2-Hexanone	10.145	43	5519	2.138	ug/l	# 83
64) Chlorobenzene	11.784	112	1101	0.382	ug/l	# 57
66) Ethyl Benzene	11.872	91	1723	0.336	ug/l	100
67) m/p-Xylenes	11.995	106	1059	0.555	ug/l	# 46
69) Styrene	12.383	104	1482	0.419	ug/l	94
70) Isopropylbenzene	12.712	105	1760	0.364	ug/l	# 79
71) 1,1,2,2-Tetrachloroethane	13.012	83	519	0.274	ug/l	# 90
72) 1,2,3-Trichloropropane	13.065	75	521	0.372	ug/l	61
73) Bromobenzene	13.035	156	440	0.387	ug/l	16
74) n-propylbenzene	13.106	91	3306	0.568	ug/l	87
75) 2-Chlorotoluene	13.312	91	2918	0.818	ug/l	98
76) 1,3,5-Trimethylbenzene	13.259	105	1822	0.460	ug/l	87
77) t-1,4-Dichloro-2-butene	12.888	75	28391	41.767	ug/l	# 7
78) 4-Chlorotoluene	13.200	91	2083	0.592	ug/l	77
79) tert-butylbenzene	13.564	119	1724	0.490	ug/l	94
80) 1,2,4-Trimethylbenzene	13.611	105	2485	0.601	ug/l	99

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

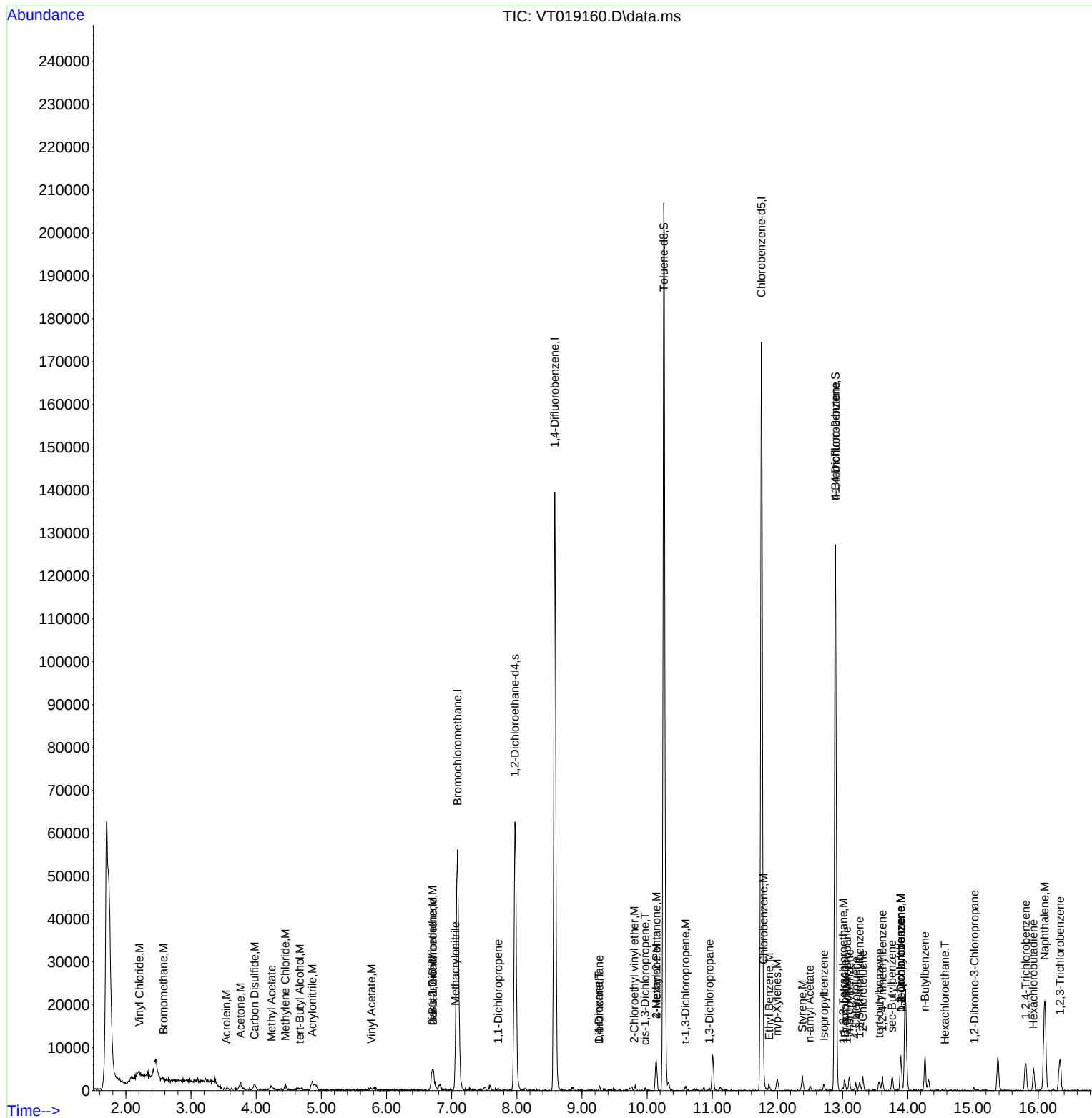
81) sec-Butylbenzene	13.758	105	3816	0.752	ug/l	89
82) p-Isopropyltoluene	13.893	119	3629	0.860	ug/l	95
83) 1,3-Dichlorobenzene	13.893	146	2318	1.041	ug/l	90
84) 1,4-Dichlorobenzene	13.893	146	2318	1.034	ug/l	89
85) n-Butylbenzene	14.263	91	6384	1.653	ug/l	94
86) Hexachloroethane	14.569	117	122	0.216	ug/l #	1
87) 1,2-Dichlorobenzene	13.893	146	2318	1.042	ug/l	88
88) 1,2-Dibromo-3-Chloropr...	15.021	75	200	0.480	ug/l #	70
89) 1,2,4-Trichlorobenzene	15.809	180	3886	2.869	ug/l #	13
90) Hexachlorobutadiene	15.926	225	1232	2.743	ug/l	68
91) Naphthalene	16.097	128	27338	5.221	ug/l	99
92) 1,2,3-Trichlorobenzene	16.337	180	4444	3.250	ug/l #	45

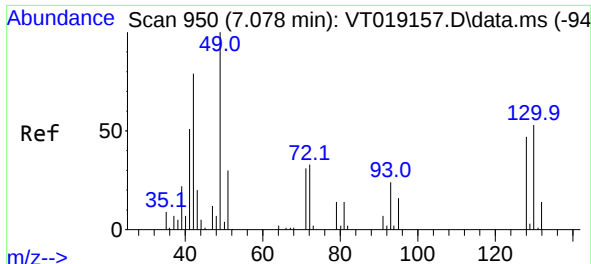
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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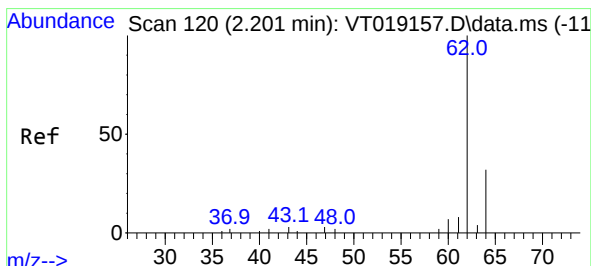
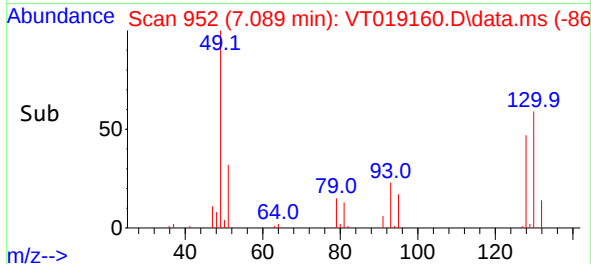
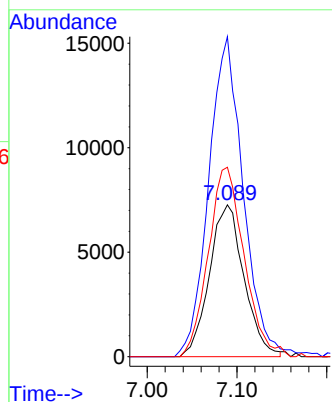
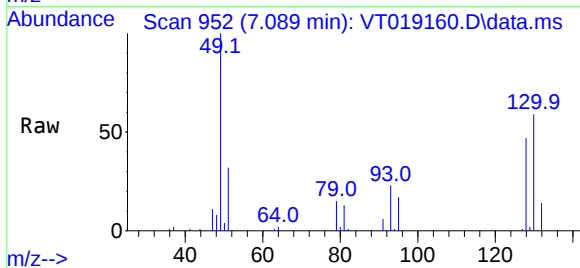




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.089 min Scan# 91
Delta R.T. 0.011 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

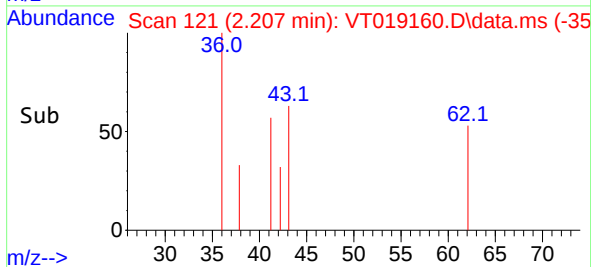
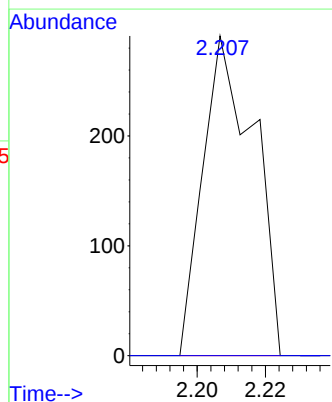
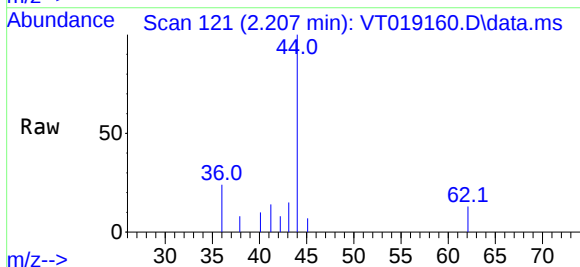
Instrument :
MSVOA_T
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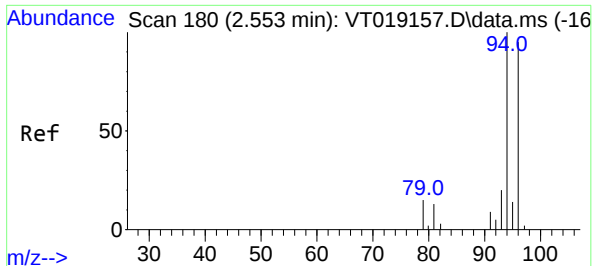
Tgt Ion:128 Resp: 19458
Ion Ratio Lower Upper
128 100
49 209.1 0.0 0.0#
130 127.9 0.0 0.0#



#4
Vinyl Chloride
Concen: 0.220 ug/l
RT: 2.207 min Scan# 121
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 62 Resp: 302
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

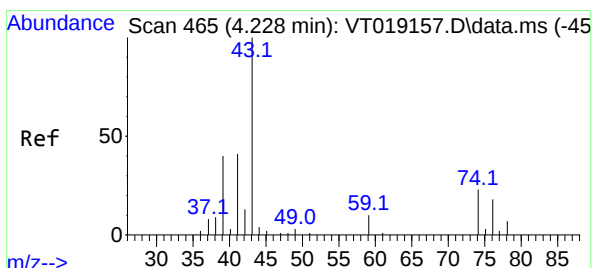
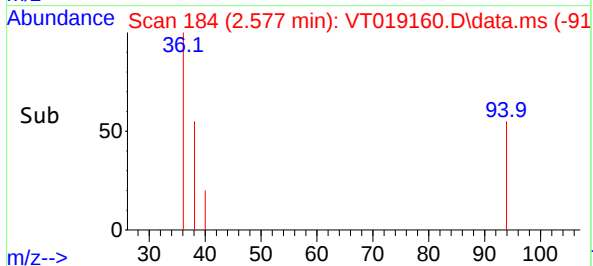
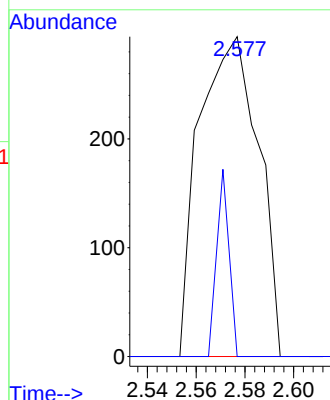
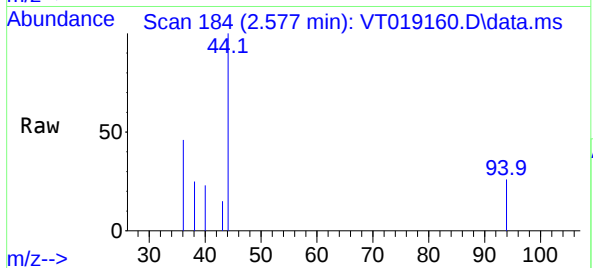




#5
Bromomethane
Concen: 0.436 ug/l
RT: 2.577 min Scan# 11
Delta R.T. 0.047 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

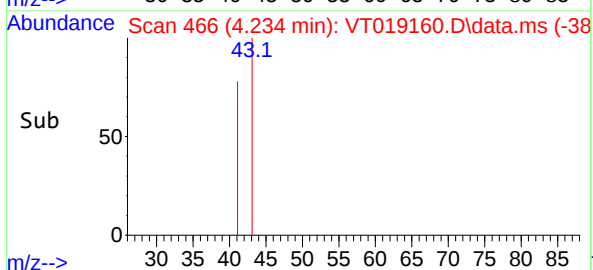
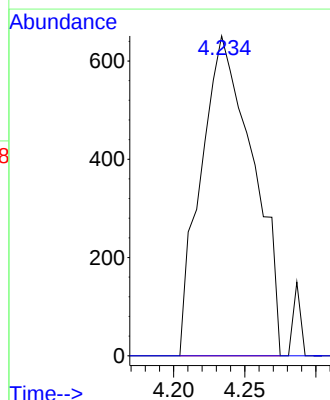
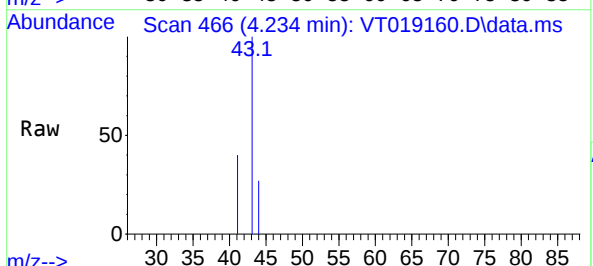
Instrument :
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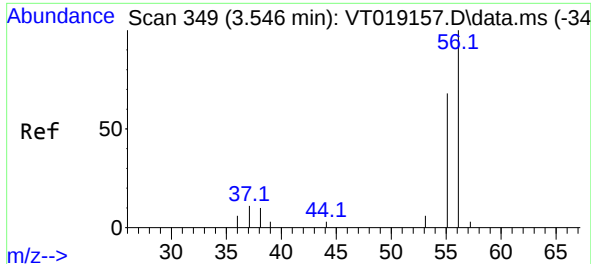
Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 0.0 66.0 99.0#



#12
Methyl Acetate
Concen: 0.479 ug/l
RT: 4.234 min Scan# 466
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#





#13

Acrolein

Concen: 2.068 ug/l

RT: 3.540 min Scan# 34

Delta R.T. -0.006 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

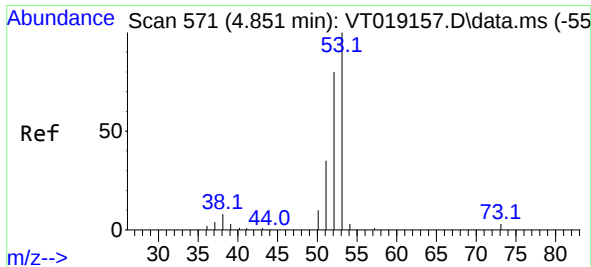
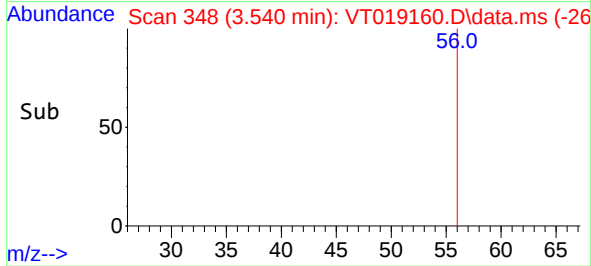
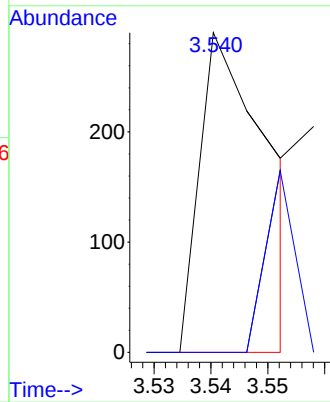
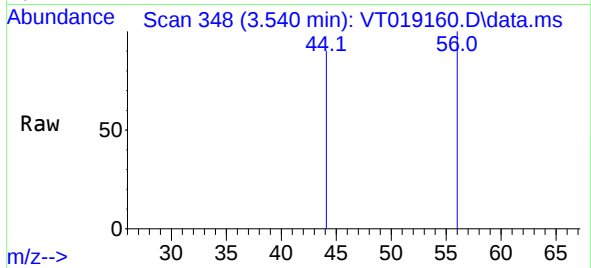
VIBLK

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#



#14

Acrylonitrile

Concen: 1.589 ug/l

RT: 4.862 min Scan# 573

Delta R.T. 0.011 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

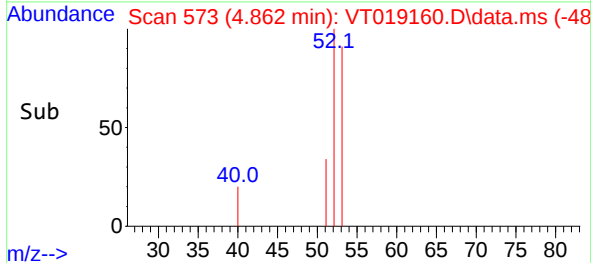
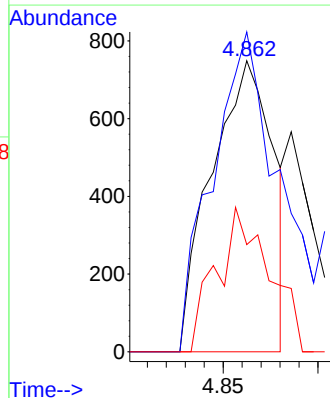
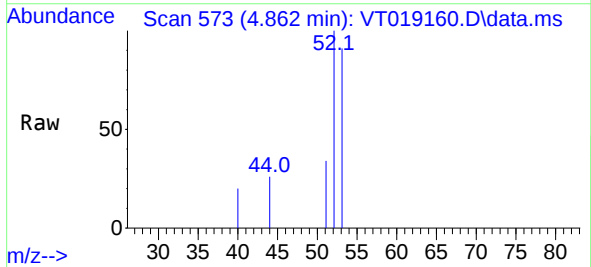
Tgt Ion: 53 Resp: 1692

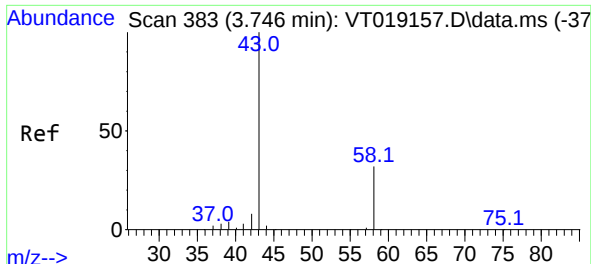
Ion Ratio Lower Upper

53 100

52 118.5 41.3 123.7

51 15.0 17.2 51.5#

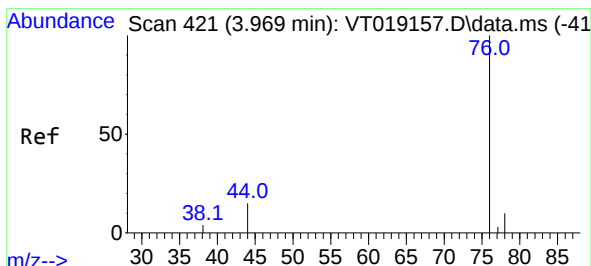
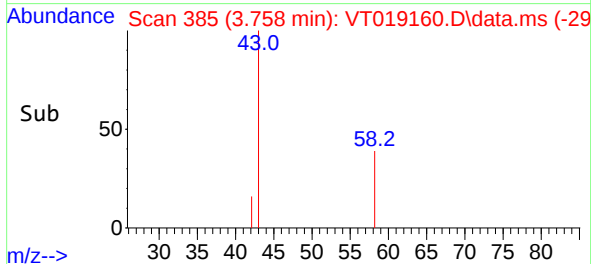
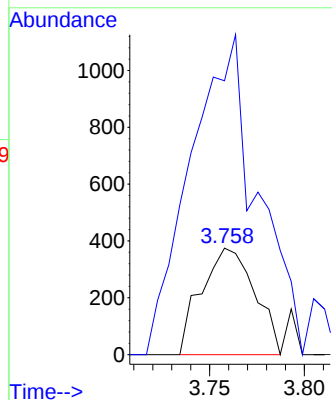
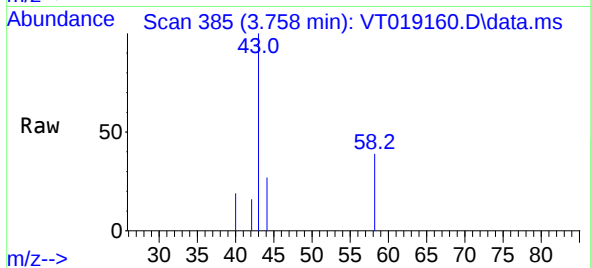




#15
Acetone
Concen: 1.940 ug/l
RT: 3.758 min Scan# 385
Delta R.T. 0.018 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

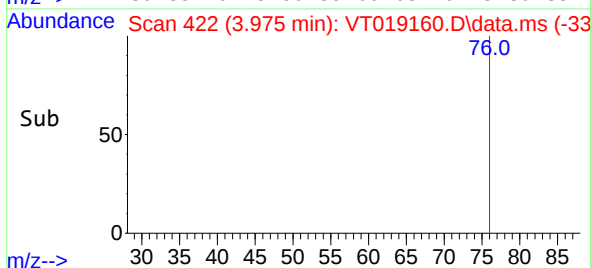
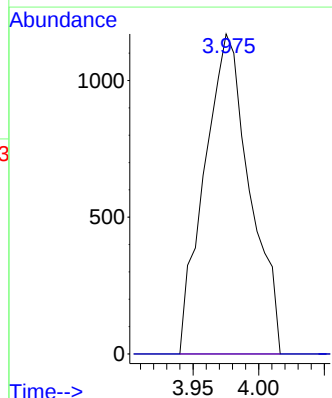
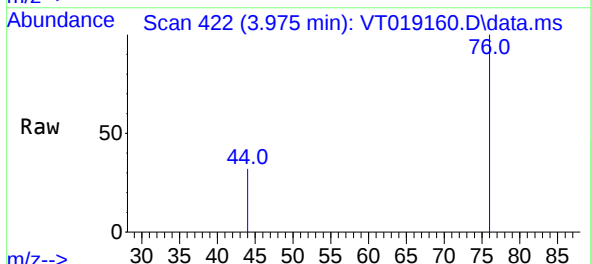
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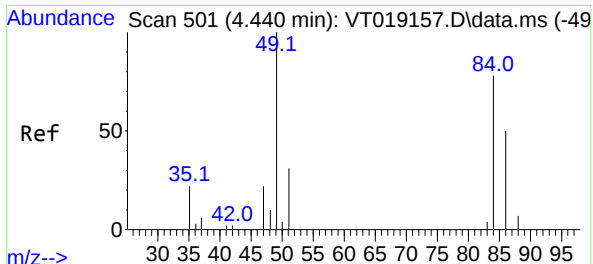
Tgt Ion: 58 Resp: 736
Ion Ratio Lower Upper
58 100
43 159.2 266.9 400.3#



#16
Carbon Disulfide
Concen: 1.730 ug/l
RT: 3.975 min Scan# 422
Delta R.T. 0.011 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 76 Resp: 2823
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methylene Chloride

Concen: 0.381 ug/l

RT: 4.445 min Scan# 501

Delta R.T. 0.017 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 496

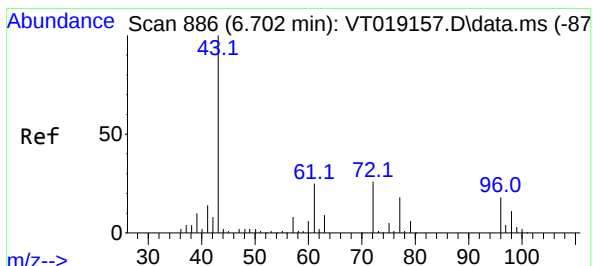
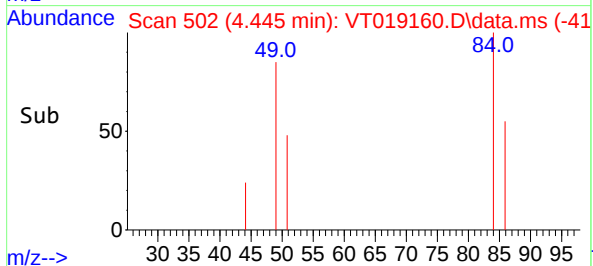
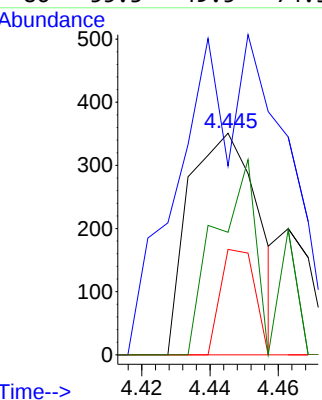
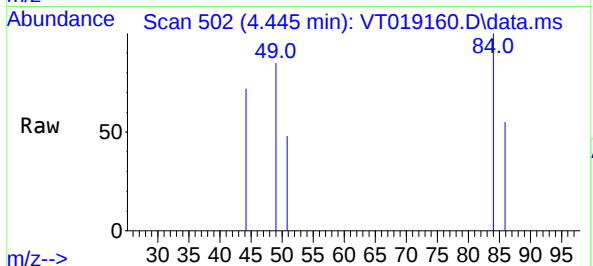
Ion Ratio Lower Upper

84 100

49 25.6 107.9 161.9#

51 47.6 33.4 50.2

86 55.3 49.5 74.3



#19

trans-1,2-Dichloroethene

Concen: 0.313 ug/l

RT: 6.707 min Scan# 887

Delta R.T. 0.017 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

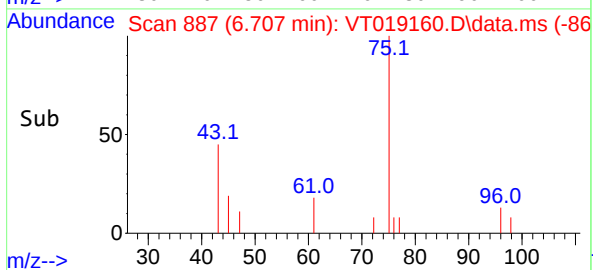
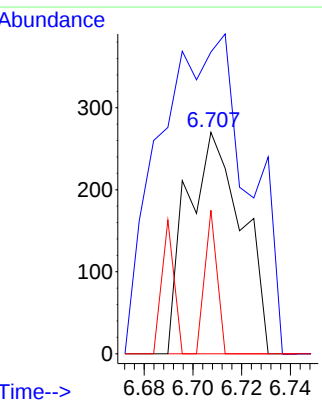
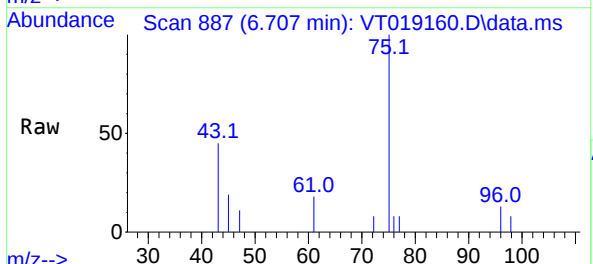
Tgt Ion: 96 Resp: 421

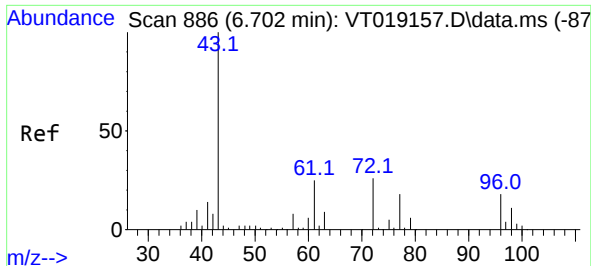
Ion Ratio Lower Upper

96 100

61 47.4 122.3 183.5#

98 64.8 50.2 75.2

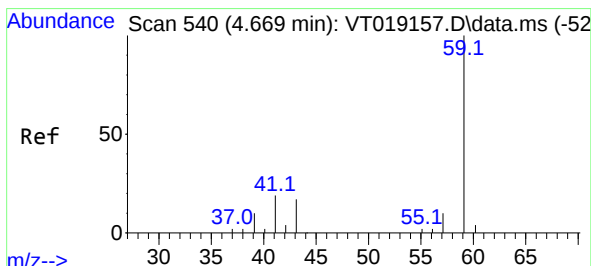
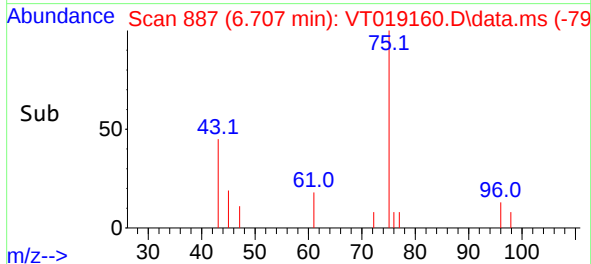
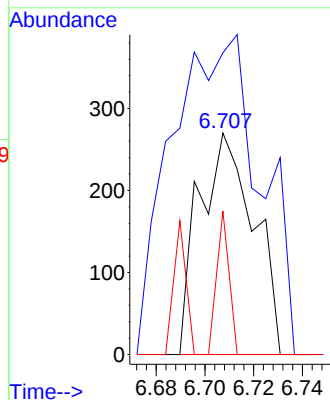
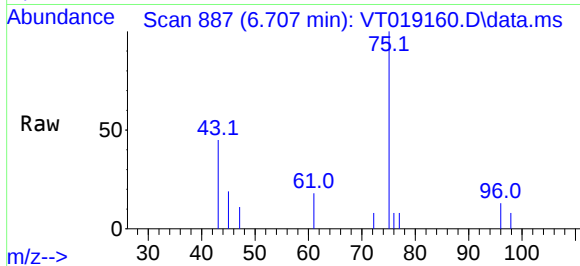




#22
 cis-1,2-Dichloroethene
 Concen: 0.313 ug/l
 RT: 6.707 min Scan# 886
 Delta R.T. 0.017 min
 Lab File: VT019160.D
 Acq: 22 Oct 2025 15:48

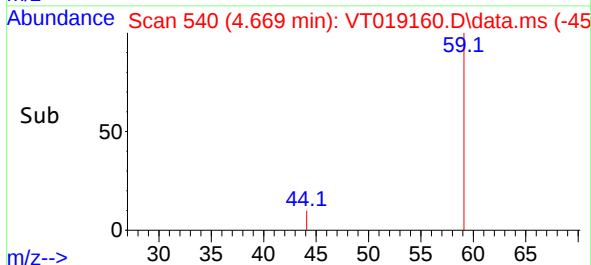
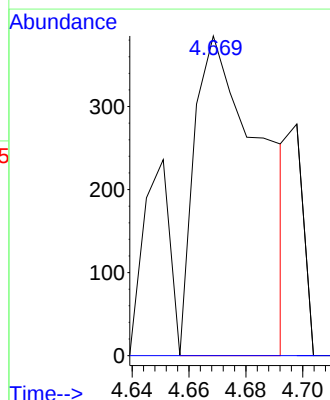
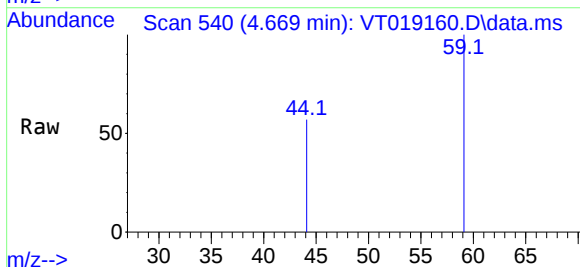
Instrument :
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 ClientSampleId :
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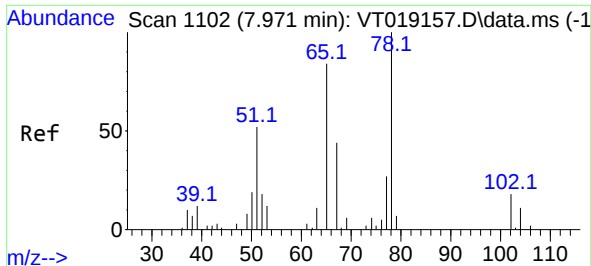
Tgt Ion: 96 Resp: 421
 Ion Ratio Lower Upper
 96 100
 61 96.4 120.0 180.0#
 98 0.0 52.8 79.2#



#23
 tert-Butyl Alcohol
 Concen: 1.348 ug/l
 RT: 4.669 min Scan# 540
 Delta R.T. -0.006 min
 Lab File: VT019160.D
 Acq: 22 Oct 2025 15:48

Tgt Ion: 59 Resp: 629
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

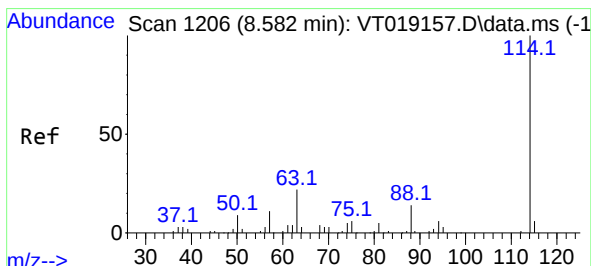
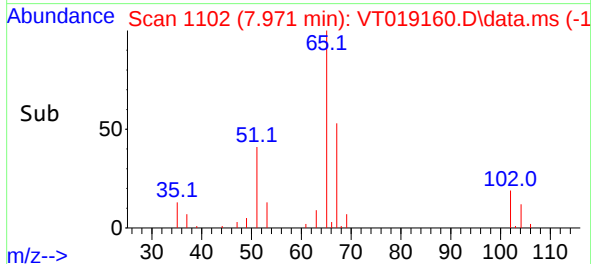
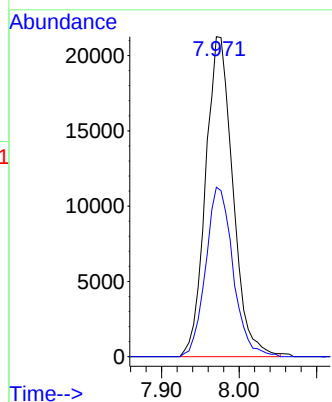
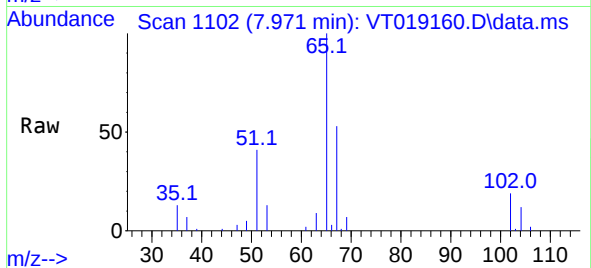




#27
 1,2-Dichloroethane-d4
 Concen: 30.478 ug/l
 RT: 7.971 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VT019160.D
 Acq: 22 Oct 2025 15:48

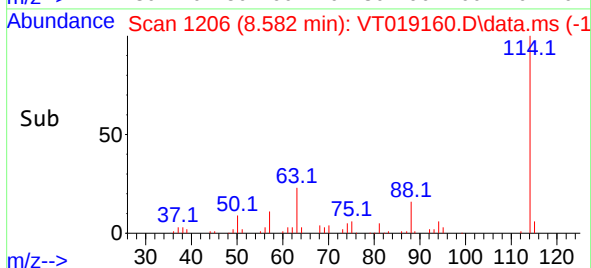
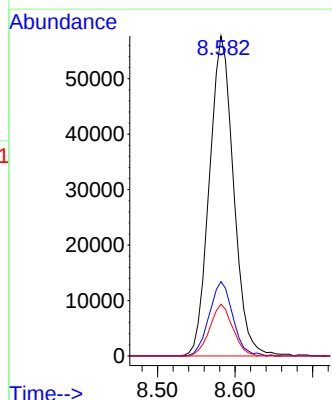
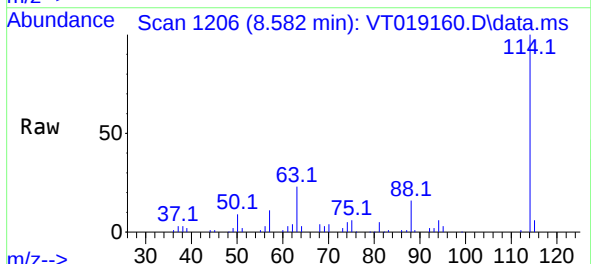
Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK

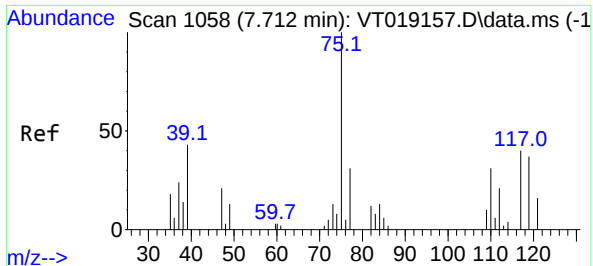
Tgt Ion: 65 Resp: 51956
 Ion Ratio Lower Upper
 65 100
 67 53.1 40.7 61.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.582 min Scan# 1206
 Delta R.T. 0.006 min
 Lab File: VT019160.D
 Acq: 22 Oct 2025 15:48

Tgt Ion: 114 Resp: 125103
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.4 26.0
 88 15.3 13.0 19.6





#29

1,1-Dichloropropene

Concen: 0.211 ug/l

RT: 7.712 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

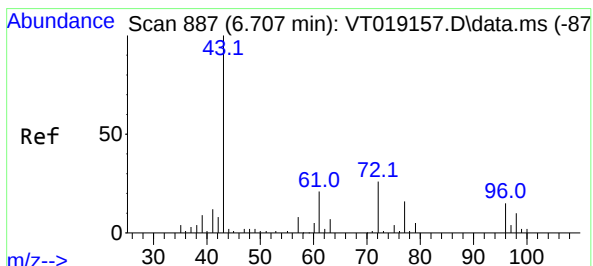
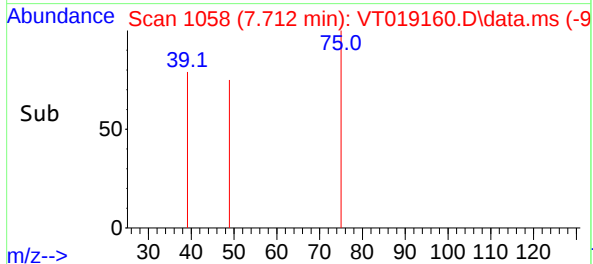
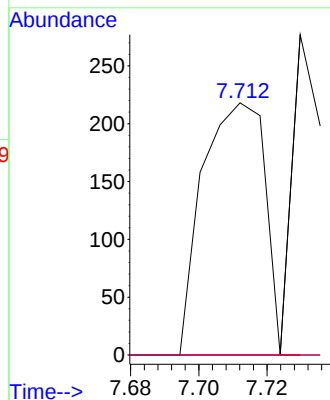
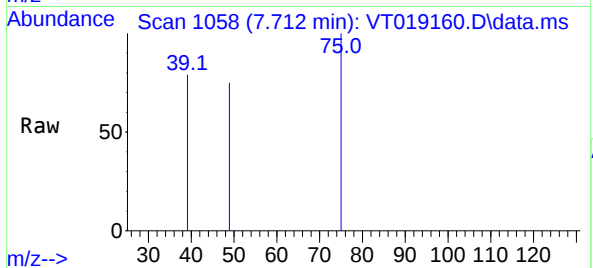
Tgt Ion: 75 Resp: 276

Ion Ratio Lower Upper

75 100

110 0.0 0.0 70.8

77 0.0 0.0 61.6



#30

2-Butanone

Concen: 0.793 ug/l

RT: 6.707 min Scan# 887

Delta R.T. 0.005 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

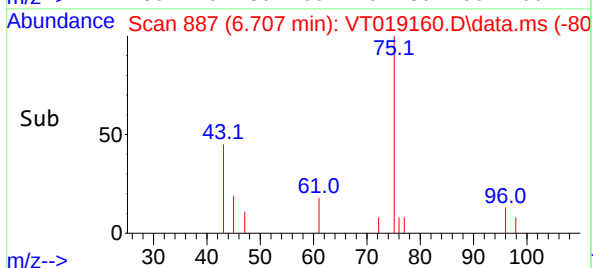
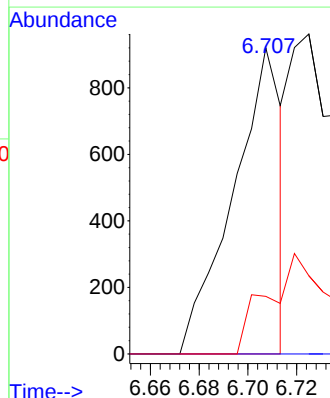
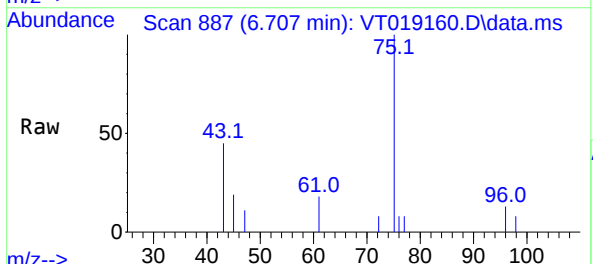
Tgt Ion: 43 Resp: 1280

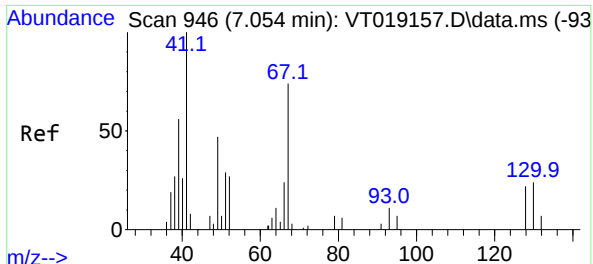
Ion Ratio Lower Upper

43 100

57 0.0 5.9 8.9#

72 13.8 20.2 30.2#





#35

Methacrylonitrile

Concen: 0.209 ug/l

RT: 7.054 min Scan# 946

Delta R.T. 0.006 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

Tgt Ion: 41 Resp: 287

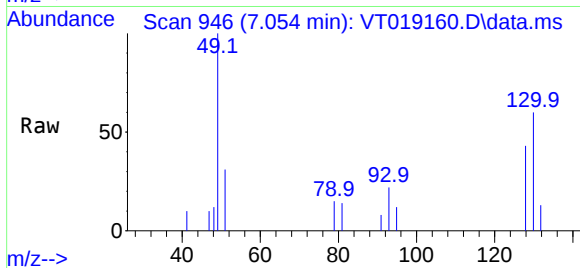
Ion Ratio Lower Upper

41 100

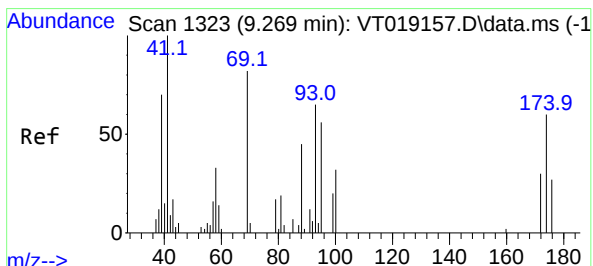
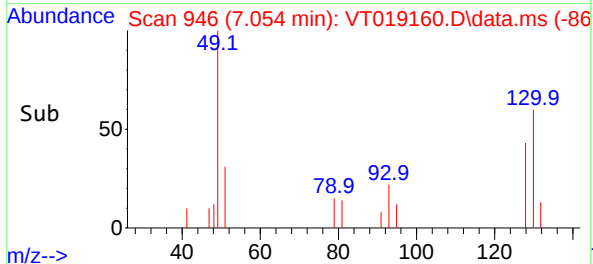
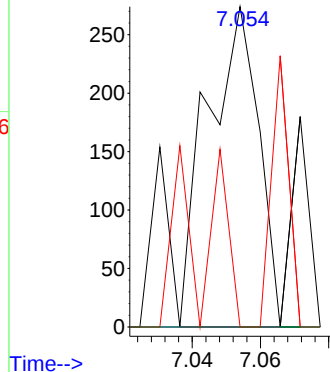
39 0.0 26.2 78.5#

67 0.0 31.4 94.3#

52 0.0 13.2 39.5#



Abundance



#40

Dibromomethane

Concen: 0.269 ug/l

RT: 9.263 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

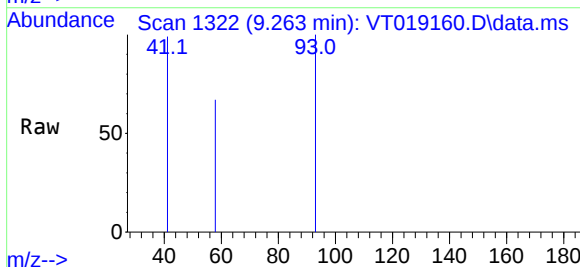
Tgt Ion: 93 Resp: 211

Ion Ratio Lower Upper

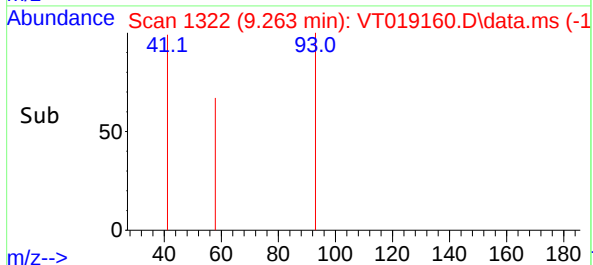
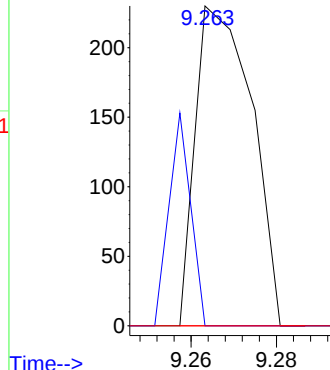
93 100

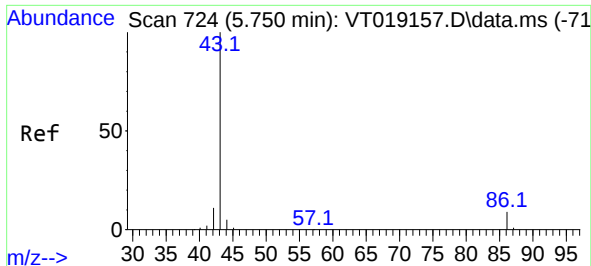
95 0.0 0.0 166.2

174 0.0 0.0 26.4



Abundance

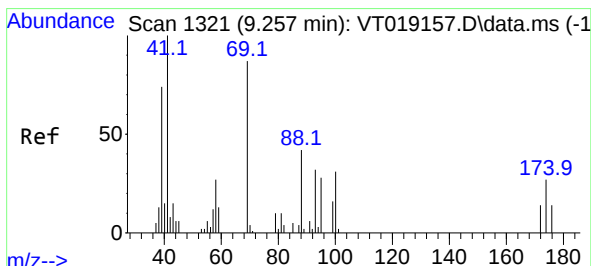
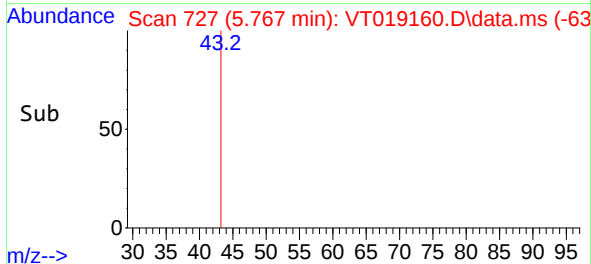
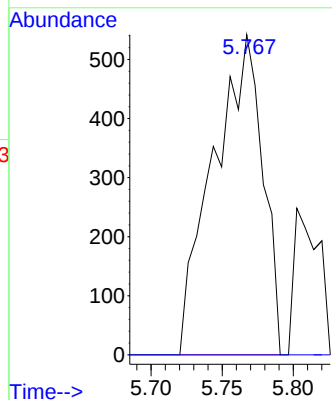
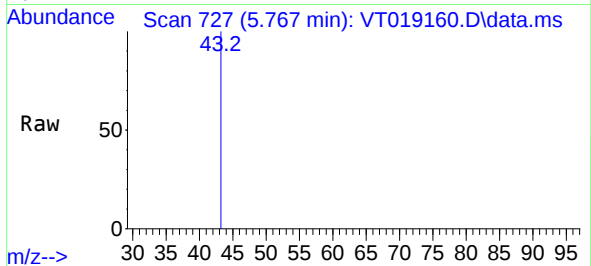




#42
Vinyl Acetate
Concen: 0.331 ug/l
RT: 5.767 min Scan# 71
Delta R.T. 0.017 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

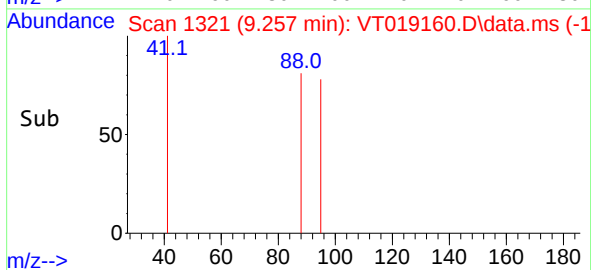
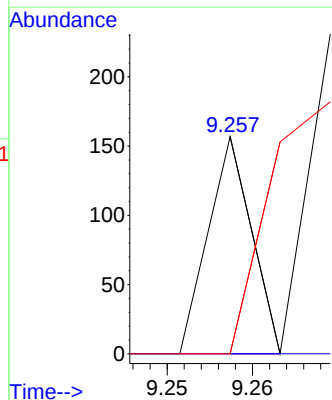
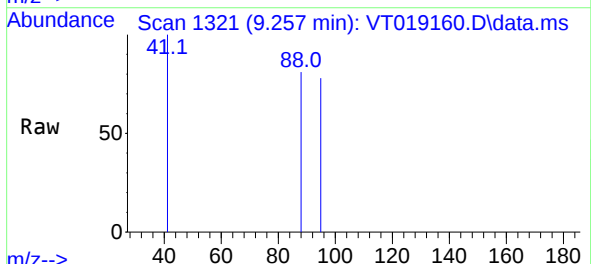
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

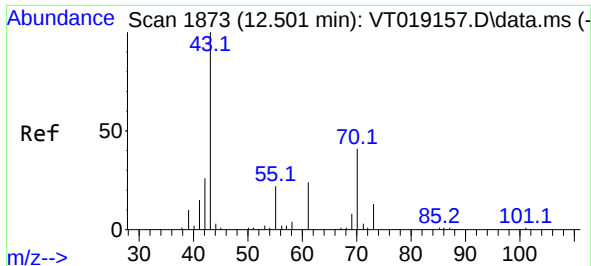
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
86 0.0 6.9 10.3#



#45
1,4-Dioxane
Concen: 1.519 ug/l
RT: 9.257 min Scan# 1321
Delta R.T. -0.012 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 0.0 33.3 49.9#





#47

n-amy1 Acetate

Concen: 0.262 ug/l

RT: 12.495 min Scan# 11

Delta R.T. -0.006 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

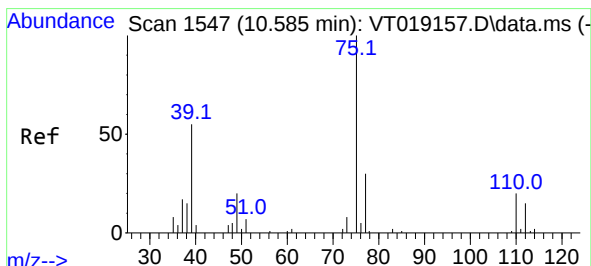
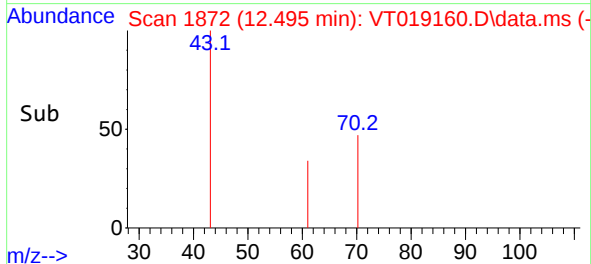
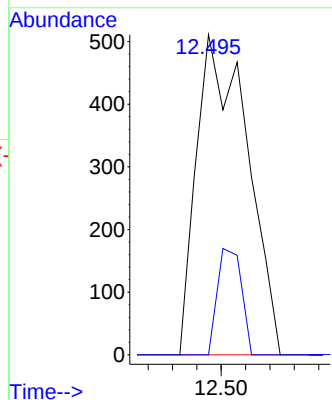
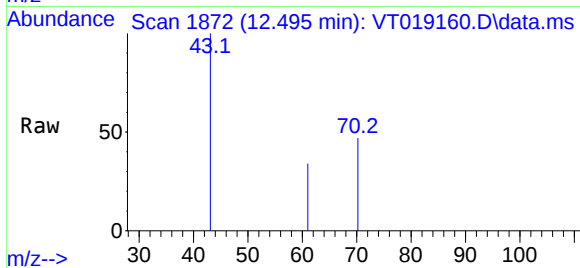
VIBLK

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

55 15.7 18.4 27.6#



#48

t-1,3-Dichloropropene

Concen: 0.454 ug/l

RT: 10.585 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VT019160.D

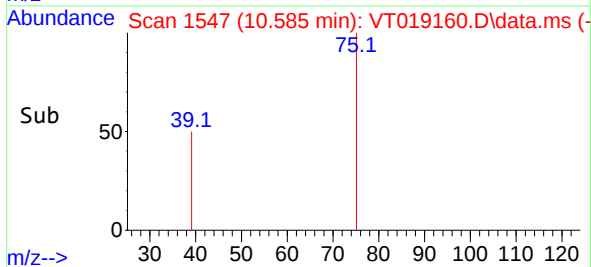
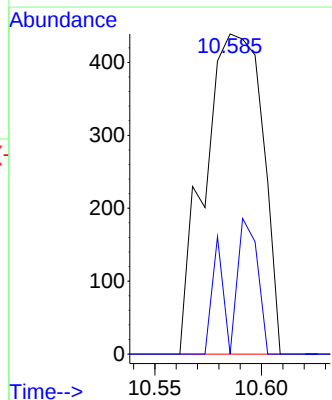
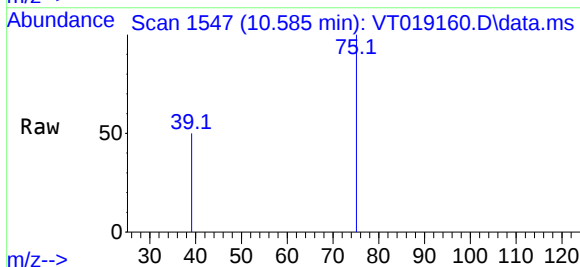
Acq: 22 Oct 2025 15:48

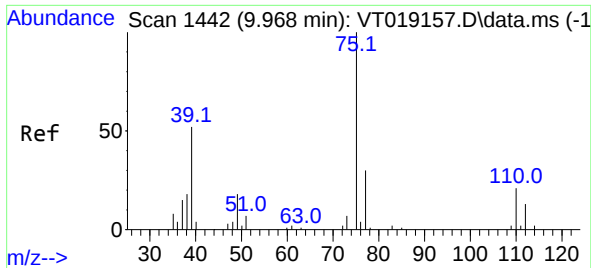
Tgt Ion: 75 Resp: 829

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#





#49

cis-1,3-Dichloropropene

Concen: 0.228 ug/l

RT: 9.968 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VT019160.D

Acq: 22 Oct 2025 15:48

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

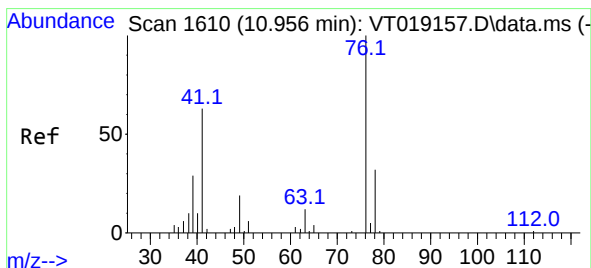
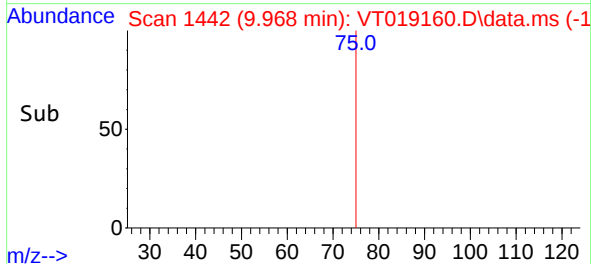
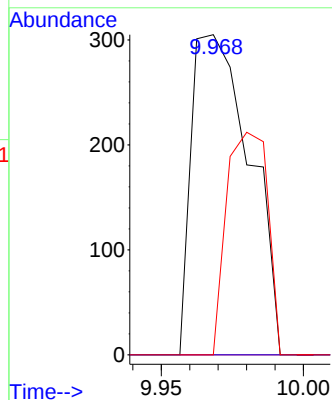
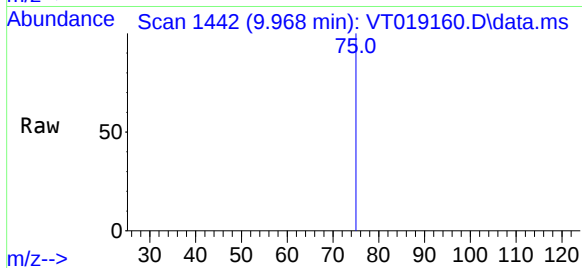
Tgt Ion: 75 Resp: 437

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 0.0 42.7 64.1#



#52

1,3-Dichloropropane

Concen: 0.212 ug/l

RT: 10.955 min Scan# 1610

Delta R.T. -0.001 min

Lab File: VT019160.D

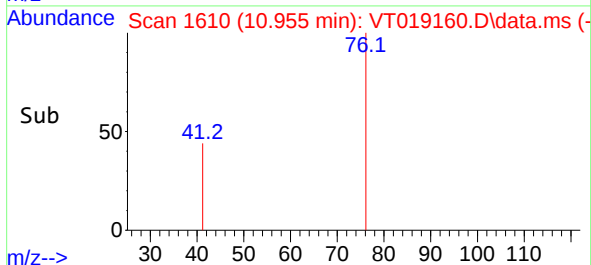
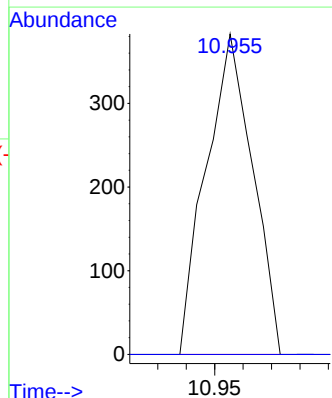
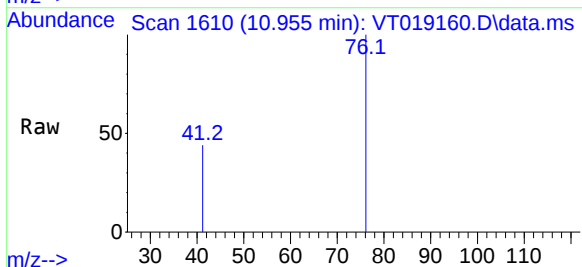
Acq: 22 Oct 2025 15:48

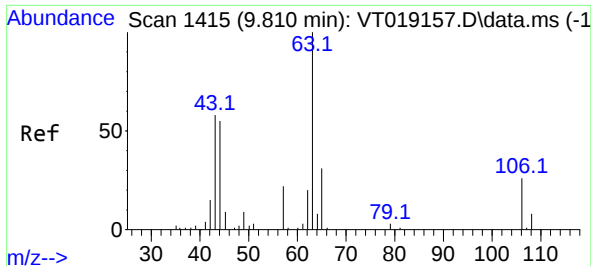
Tgt Ion: 76 Resp: 436

Ion Ratio Lower Upper

76 100

78 0.0 0.0 63.6

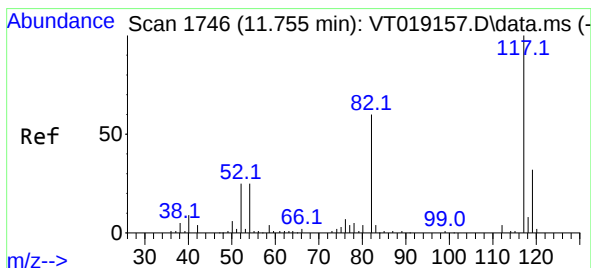
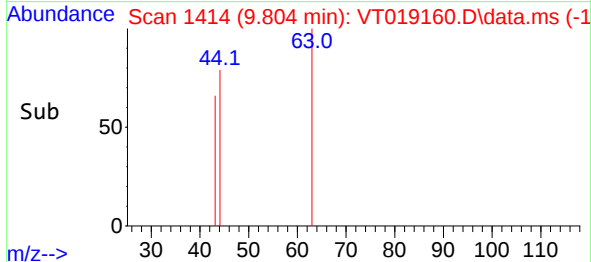
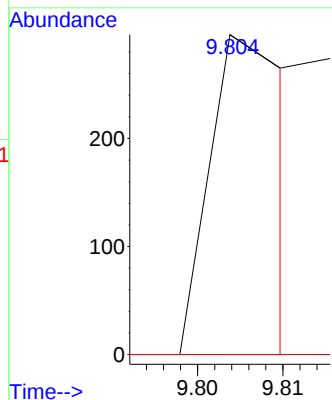
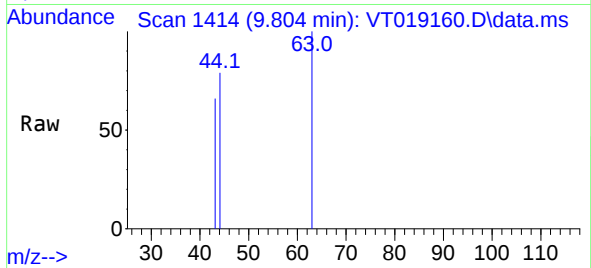




#55
2-Chloroethyl vinyl ether
Concen: 0.314 ug/l
RT: 9.804 min Scan# 1415
Delta R.T. -0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

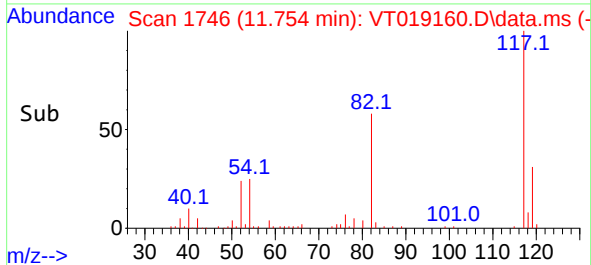
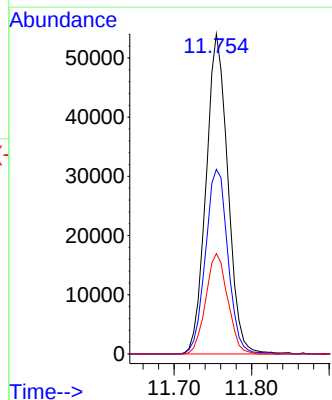
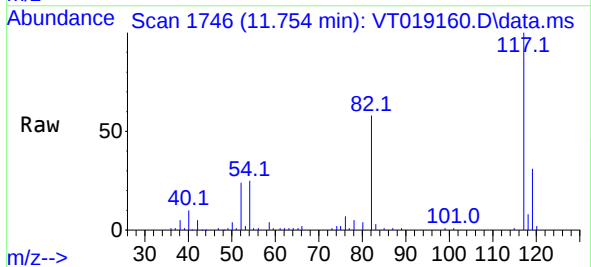
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

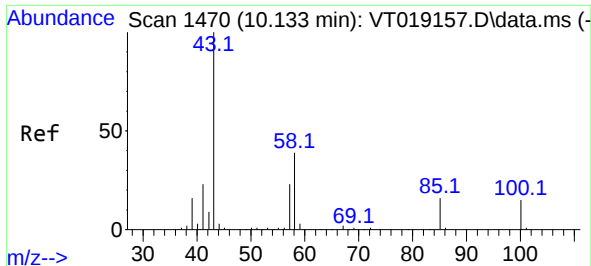
Tgt Ion: 63 Resp: 198
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#
106 0.0 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.754 min Scan# 1746
Delta R.T. -0.001 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 117 Resp: 105430
Ion Ratio Lower Upper
117 100
82 59.4 46.0 69.0
119 31.5 25.8 38.8

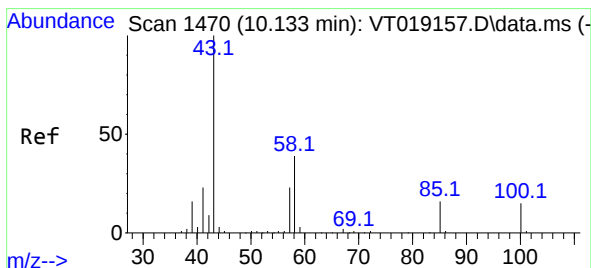
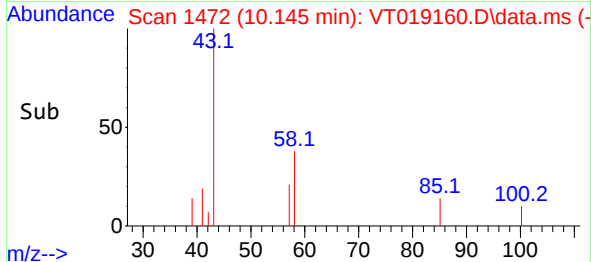
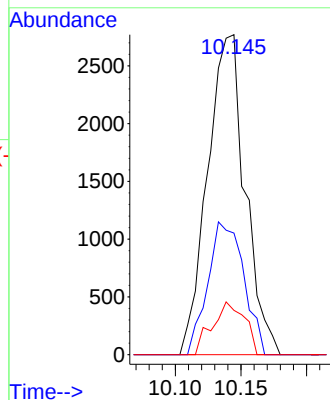
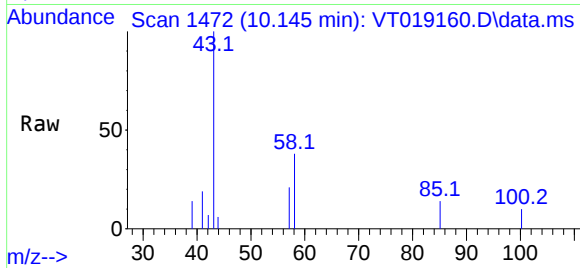




#58
4-Methyl-2-Pentanone
Concen: 2.138 ug/l
RT: 10.145 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

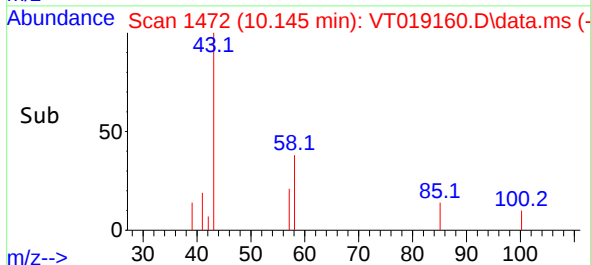
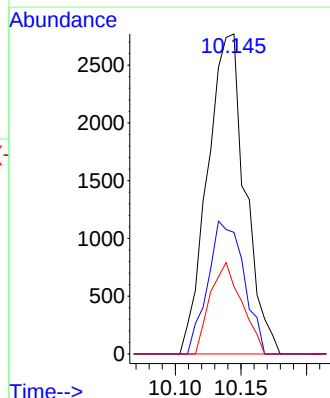
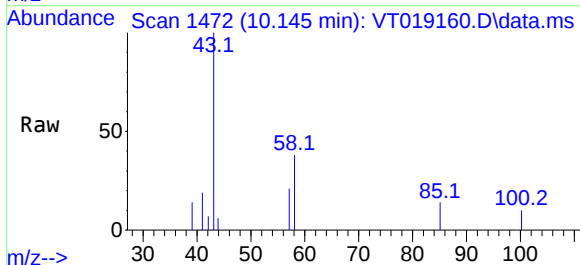
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

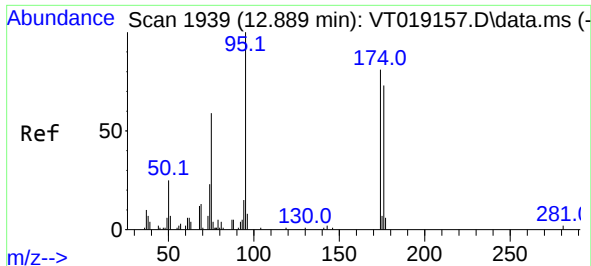
Tgt Ion:	43	Resp:	5519
Ion	Ratio	Lower	Upper
43	100		
58	39.7	30.6	45.8
85	14.2	13.4	20.2



#59
2-Hexanone
Concen: 2.138 ug/l
RT: 10.145 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:	43	Resp:	5519
Ion	Ratio	Lower	Upper
43	100		
58	39.7	42.0	63.0#
57	24.0	14.6	21.8#

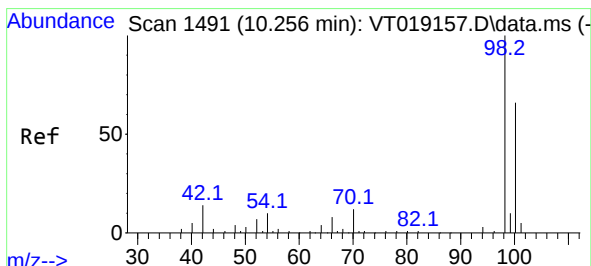
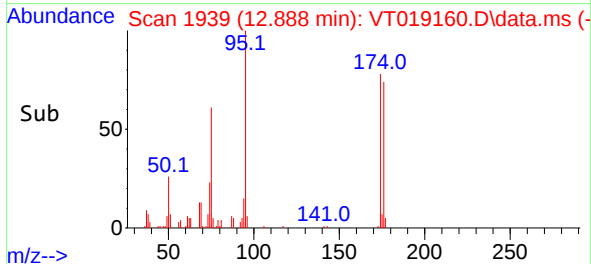
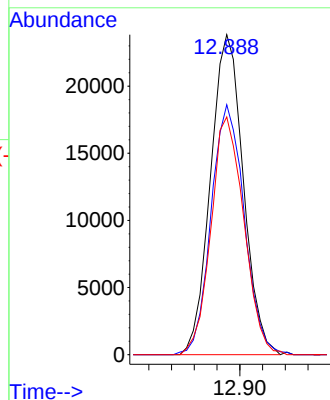
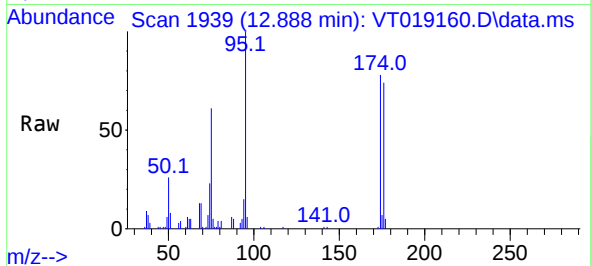




#60
4-Bromofluorobenzene
Concen: 28.722 ug/l
RT: 12.888 min Scan# 1939
Delta R.T. -0.001 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

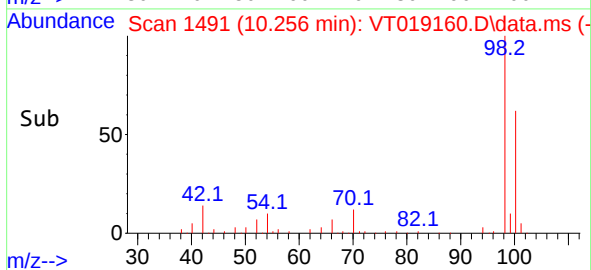
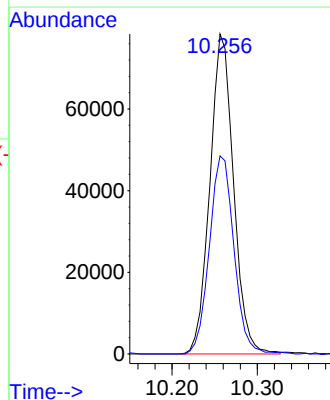
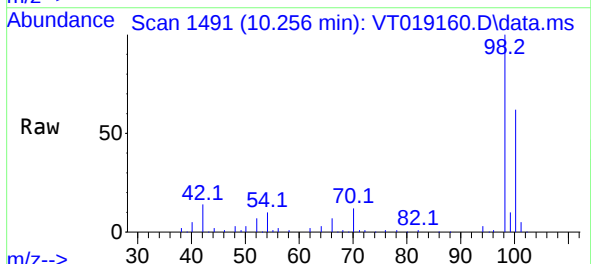
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

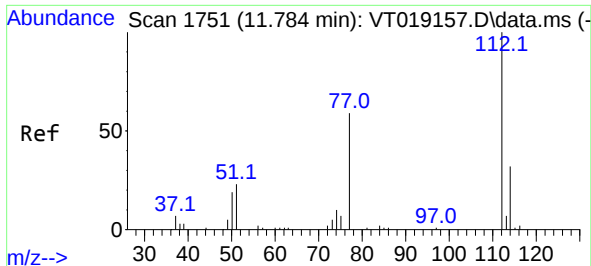
Tgt Ion: 95 Resp: 47593
Ion Ratio Lower Upper
95 100
174 79.2 57.5 86.3
176 74.6 56.4 84.6



#63
Toluene-d8
Concen: 29.501 ug/l
RT: 10.256 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 98 Resp: 151385
Ion Ratio Lower Upper
98 100
100 64.3 52.9 79.3

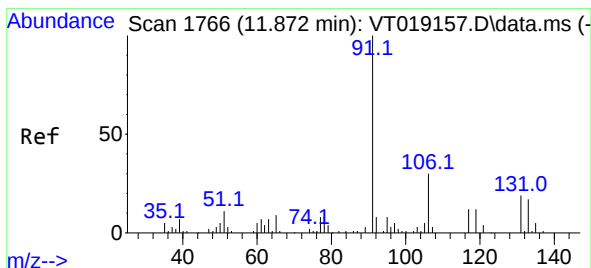
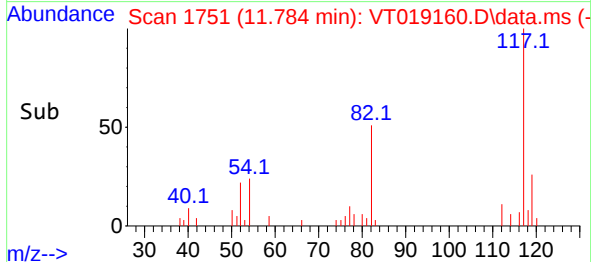
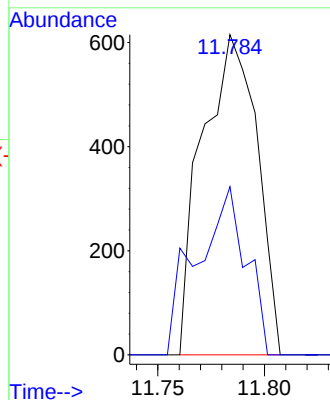
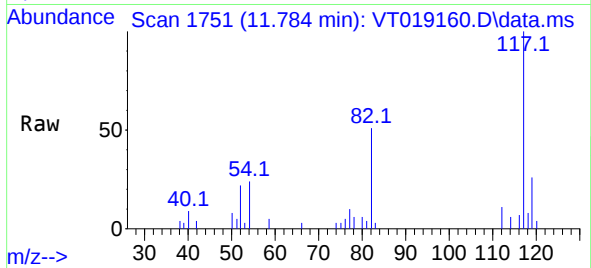




#64
Chlorobenzene
Concen: 0.382 ug/l
RT: 11.784 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

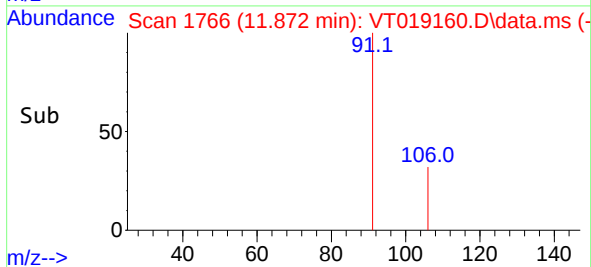
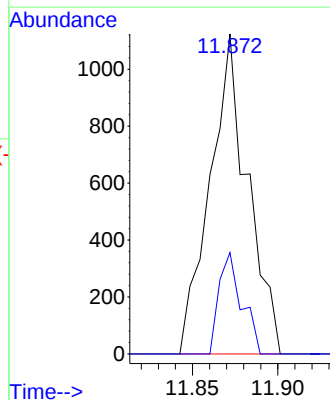
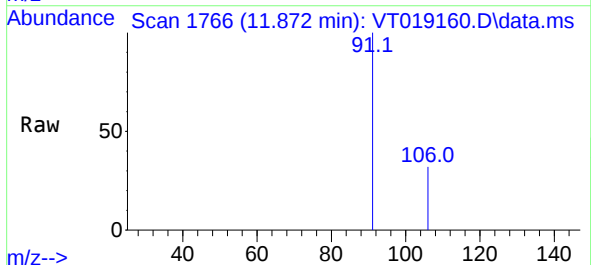
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

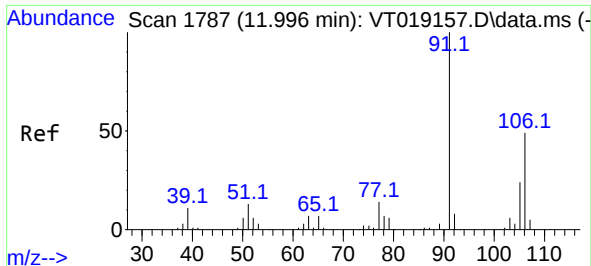
Tgt Ion:112 Resp: 1101
Ion Ratio Lower Upper
112 100
114 52.5 23.6 35.4#



#66
Ethyl Benzene
Concen: 0.336 ug/l
RT: 11.872 min Scan# 1766
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 91 Resp: 1723
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

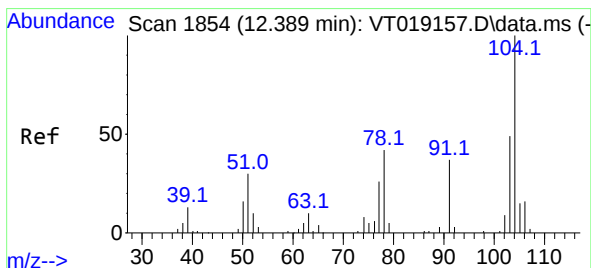
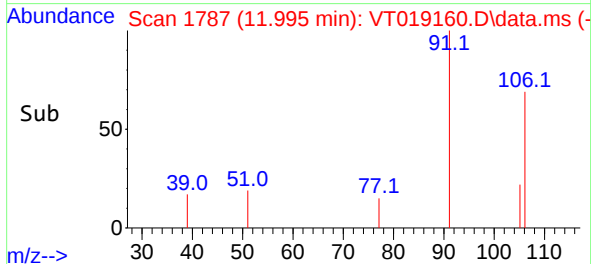
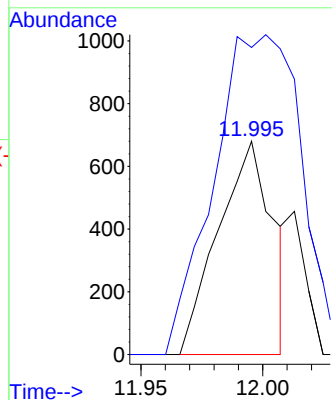
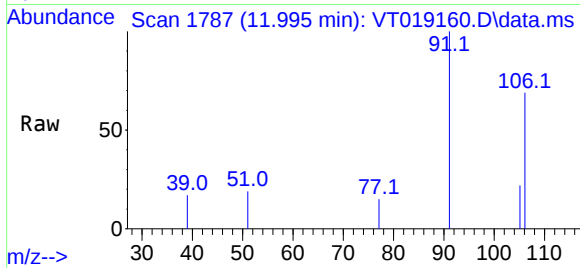




#67
m/p-Xylenes
Concen: 0.555 ug/l
RT: 11.995 min Scan# 11
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

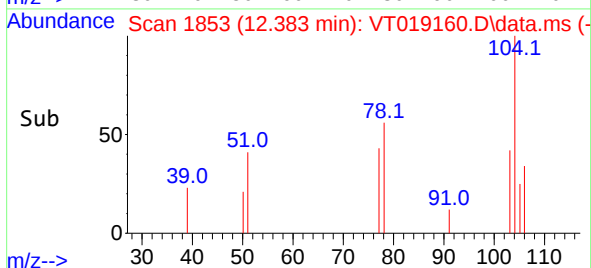
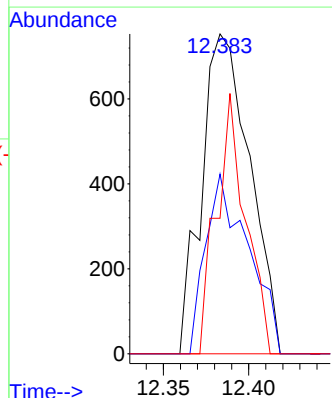
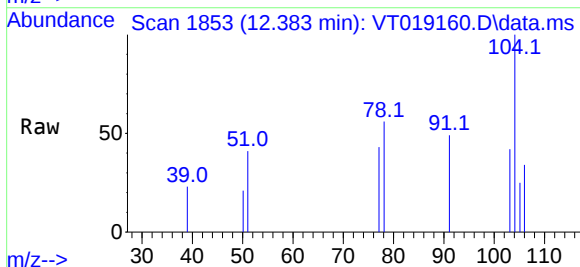
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

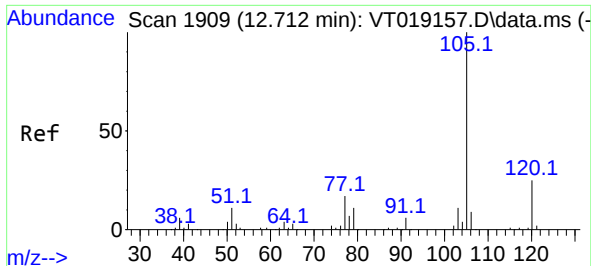
Tgt Ion:106 Resp: 1059
Ion Ratio Lower Upper
106 100
91 121.8 164.4 246.6#



#69
Styrene
Concen: 0.419 ug/l
RT: 12.383 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:104 Resp: 1482
Ion Ratio Lower Upper
104 100
78 49.8 42.6 63.8
103 49.1 43.5 65.3

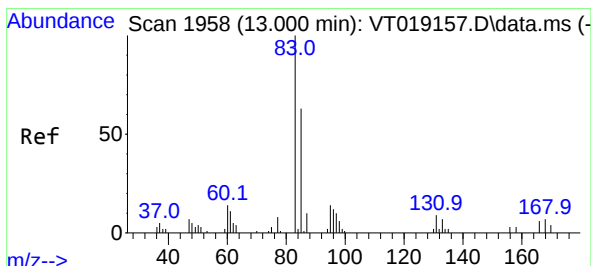
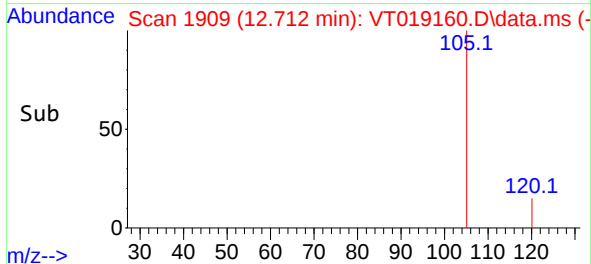
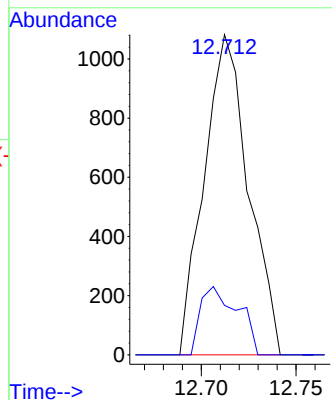
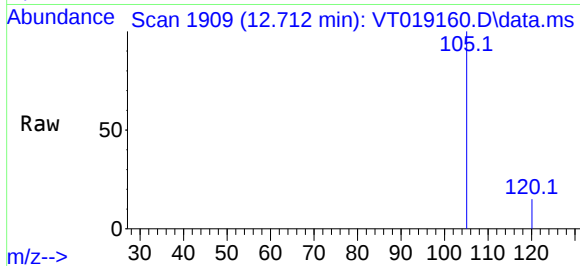




#70
Isopropylbenzene
Concen: 0.364 ug/l
RT: 12.712 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

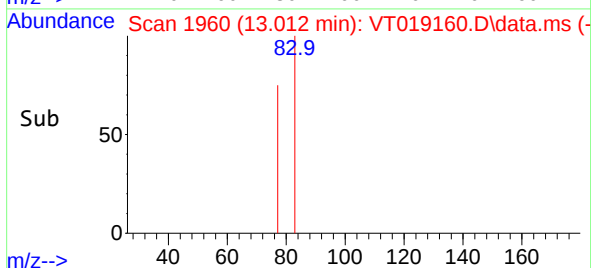
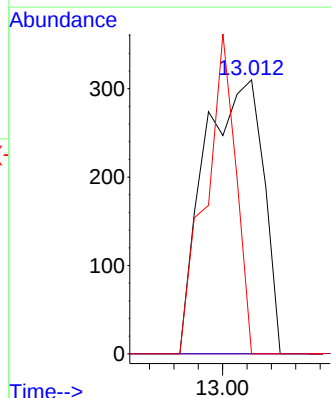
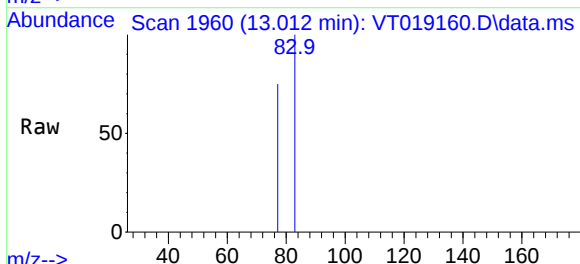
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

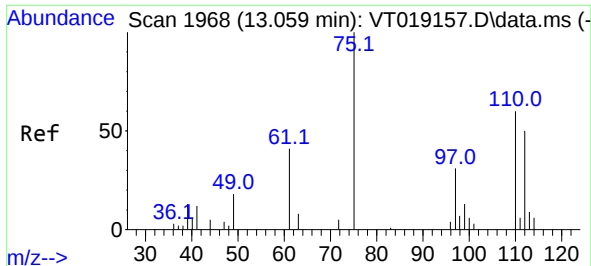
Tgt Ion:105 Resp: 1760
Ion Ratio Lower Upper
105 100
120 14.8 17.8 33.0#



#71
1,1,2,2-Tetrachloroethane
Concen: 0.274 ug/l
RT: 13.012 min Scan# 1960
Delta R.T. 0.012 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 83 Resp: 519
Ion Ratio Lower Upper
83 100
131 0.0 6.0 18.0#
85 59.9 32.3 96.9

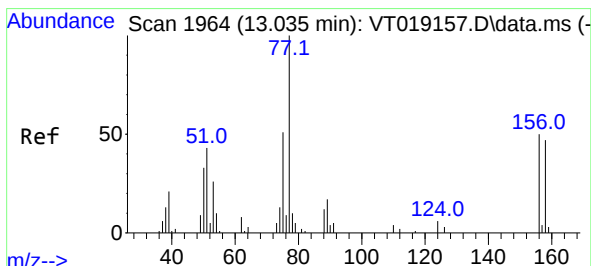
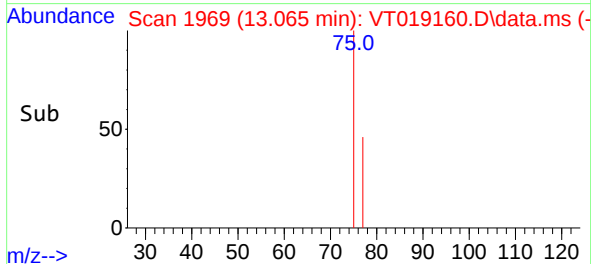
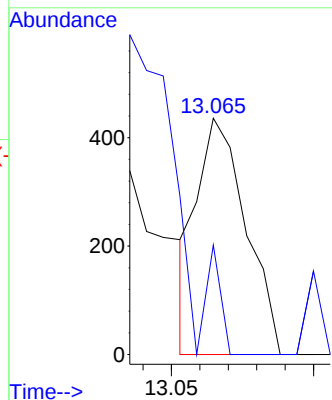
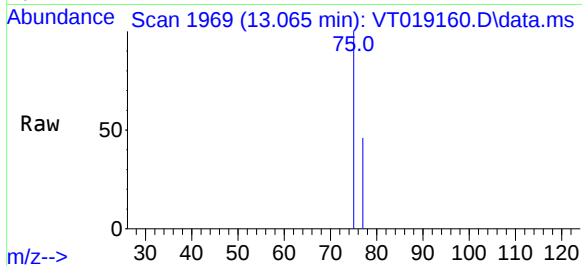




#72
1,2,3-Trichloropropane
Concen: 0.372 ug/l
RT: 13.065 min Scan# 1969
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

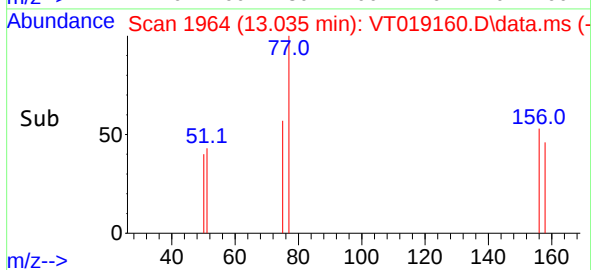
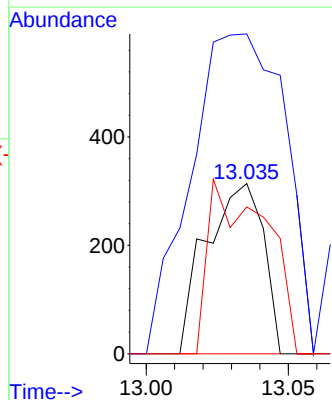
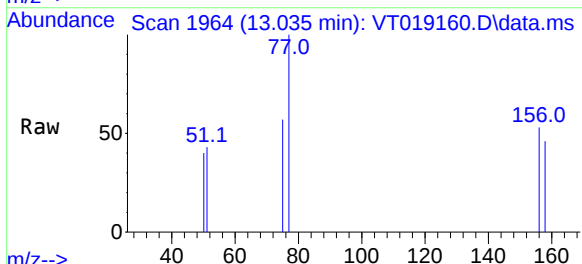
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

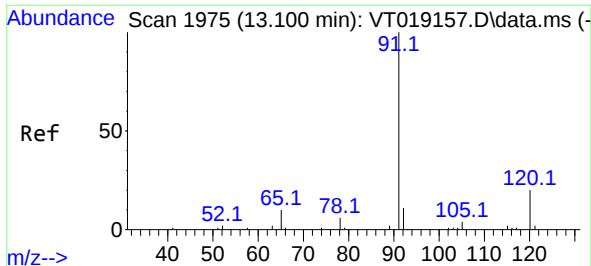
Tgt Ion: 75 Resp: 521
Ion Ratio Lower Upper
75 100
77 13.6 0.0 74.2



#73
Bromobenzene
Concen: 0.387 ug/l
RT: 13.035 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:156 Resp: 440
Ion Ratio Lower Upper
156 100
77 309.3 0.0 340.8
158 44.5 0.0 189.0

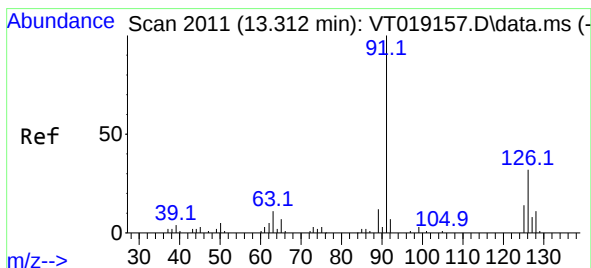
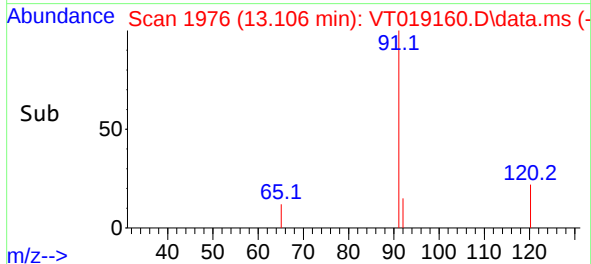
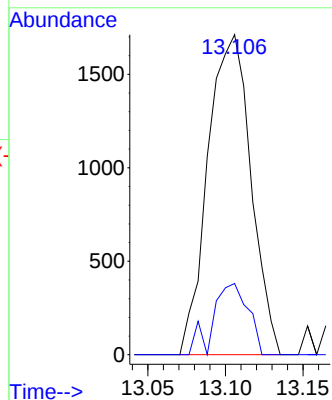
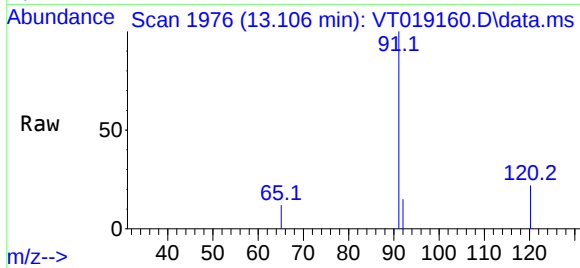




#74
n-propylbenzene
Concen: 0.568 ug/l
RT: 13.106 min Scan# 1975
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

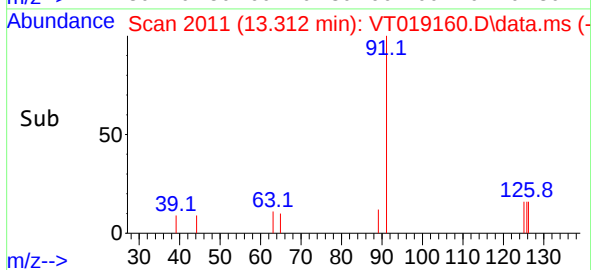
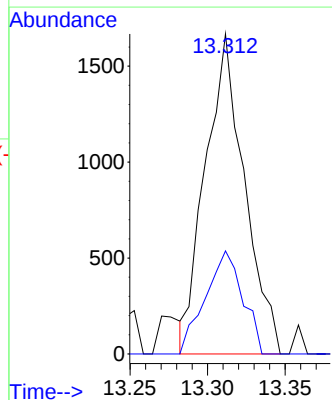
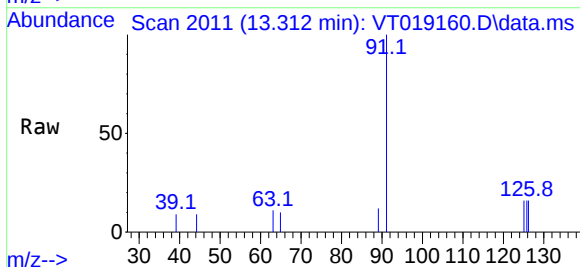
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

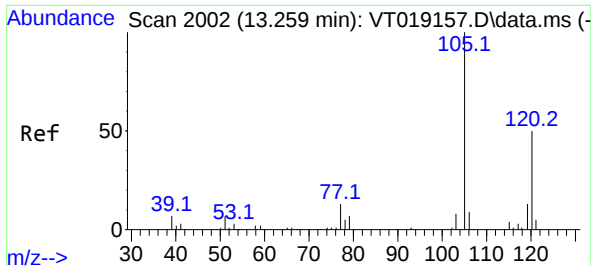
Tgt Ion: 91 Resp: 3306
Ion Ratio Lower Upper
91 100
120 16.2 0.0 44.4



#75
2-Chlorotoluene
Concen: 0.818 ug/l
RT: 13.312 min Scan# 2011
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 91 Resp: 2918
Ion Ratio Lower Upper
91 100
126 30.8 0.0 63.6

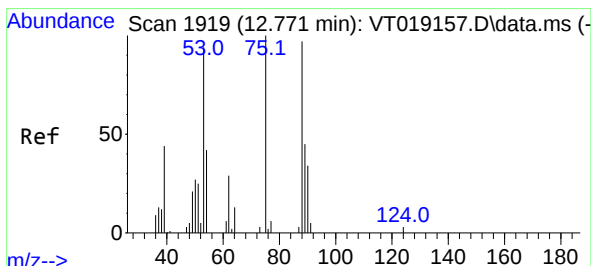
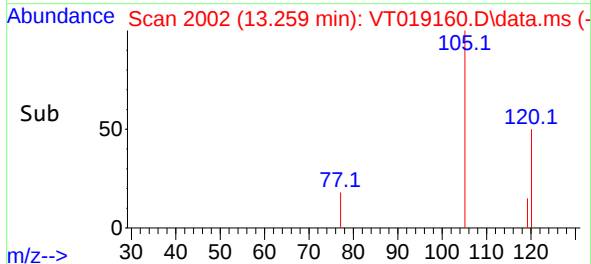
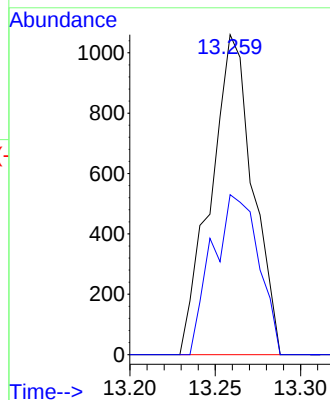
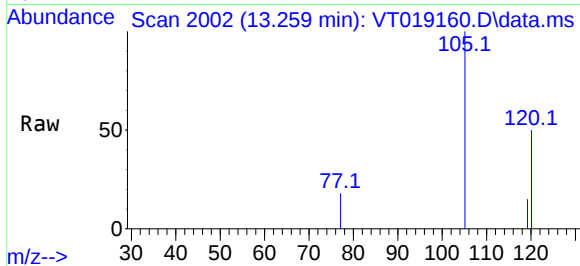




#76
1,3,5-Trimethylbenzene
Concen: 0.460 ug/l
RT: 13.259 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

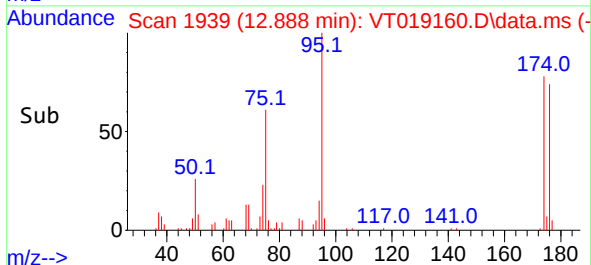
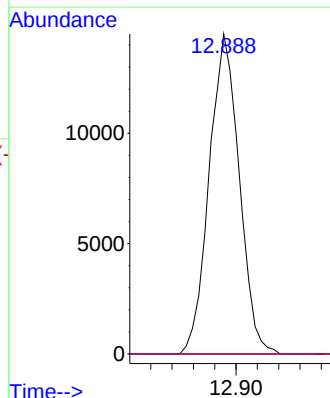
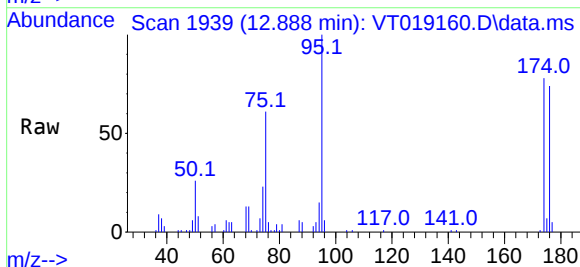
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

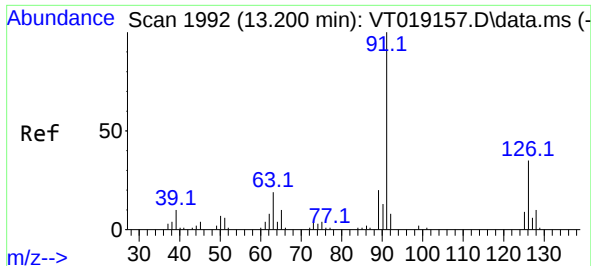
Tgt Ion:105 Resp: 1822
Ion Ratio Lower Upper
105 100
120 55.0 0.0 93.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.767 ug/l
RT: 12.888 min Scan# 1939
Delta R.T. 0.123 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 75 Resp: 28391
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.2#
89 0.0 33.8 101.3#

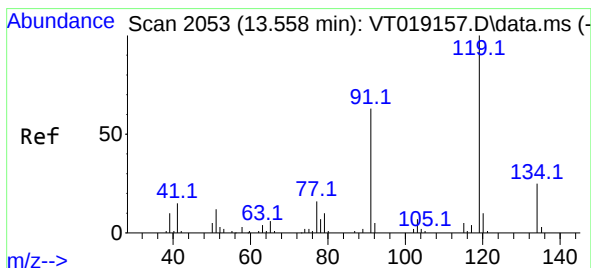
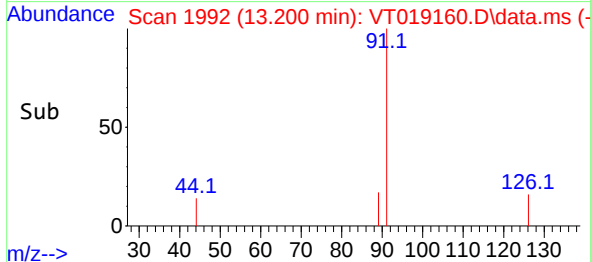
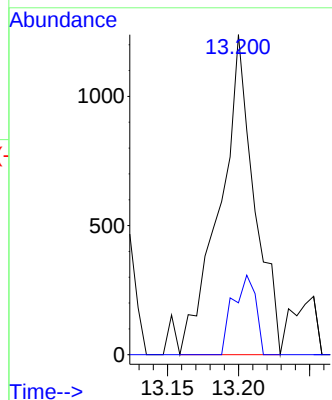
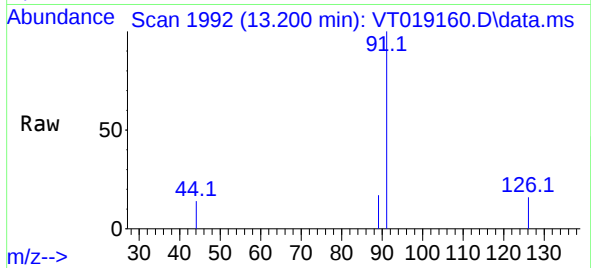




#78
4-Chlorotoluene
Concen: 0.592 ug/l
RT: 13.200 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

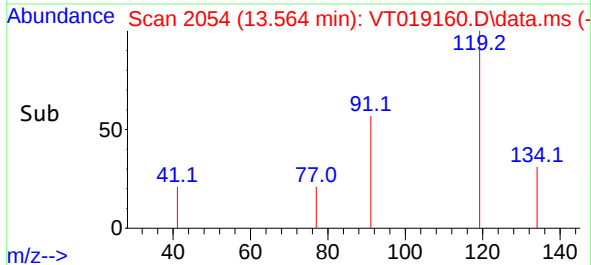
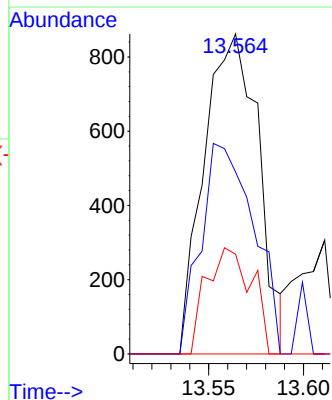
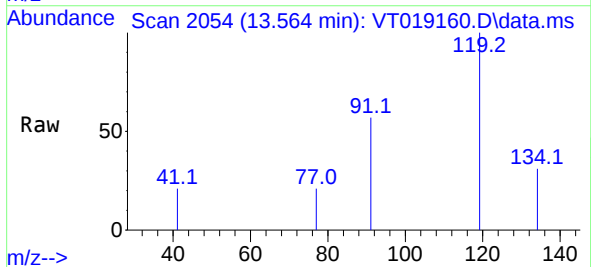
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

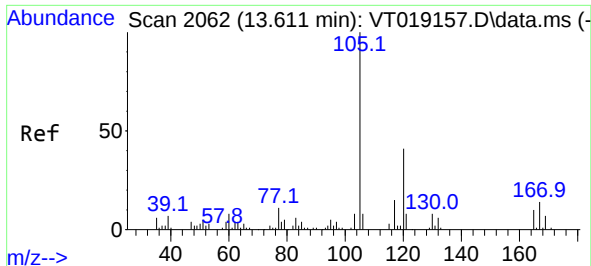
Tgt Ion: 91 Resp: 2083
Ion Ratio Lower Upper
91 100
126 16.3 0.0 57.2



#79
tert-butylbenzene
Concen: 0.490 ug/l
RT: 13.564 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 119 Resp: 1724
Ion Ratio Lower Upper
119 100
91 63.6 0.0 120.6
134 27.7 0.0 46.0

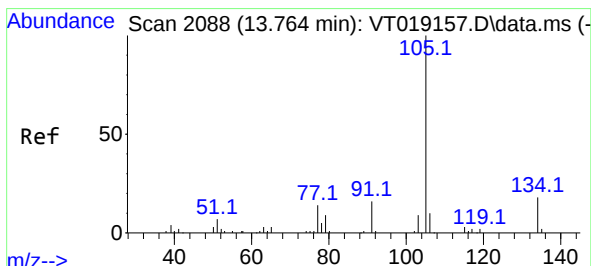
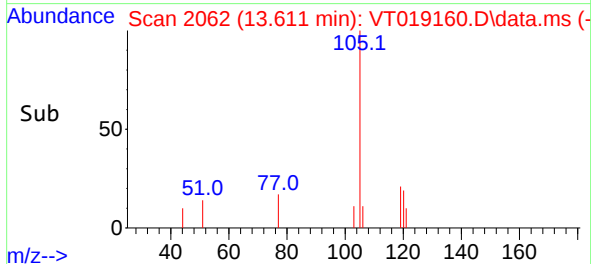
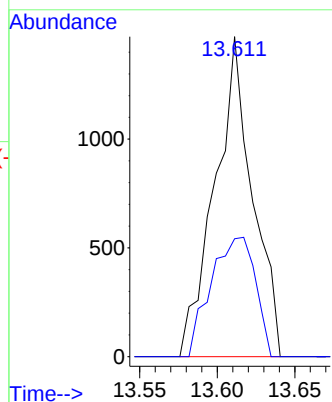
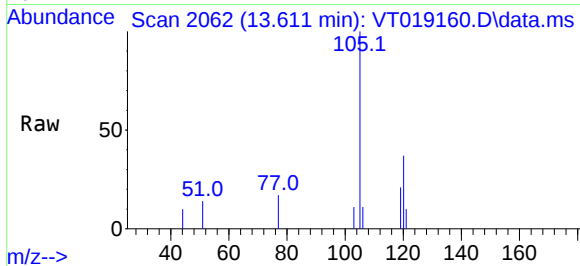




#80
1,2,4-Trimethylbenzene
Concen: 0.601 ug/l
RT: 13.611 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

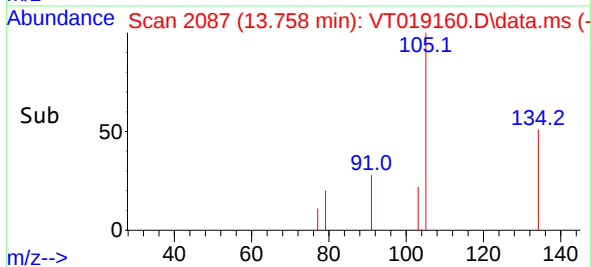
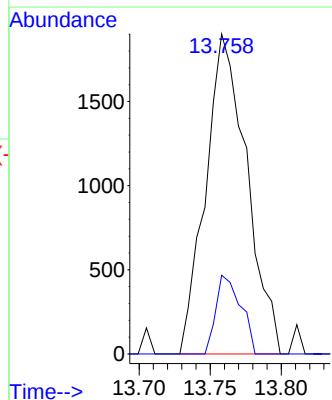
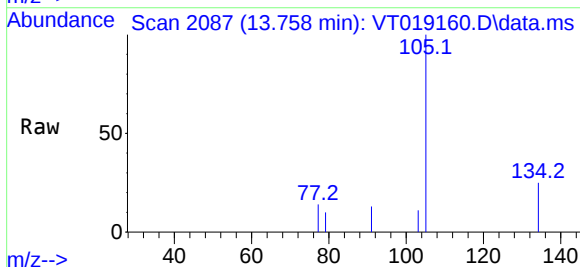
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

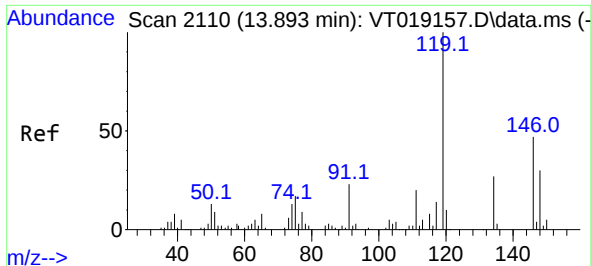
Tgt Ion:105 Resp: 2485
Ion Ratio Lower Upper
105 100
120 43.9 0.0 88.6



#81
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 13.758 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:105 Resp: 3816
Ion Ratio Lower Upper
105 100
134 14.9 0.0 39.4

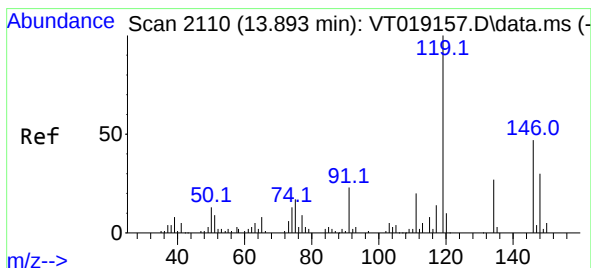
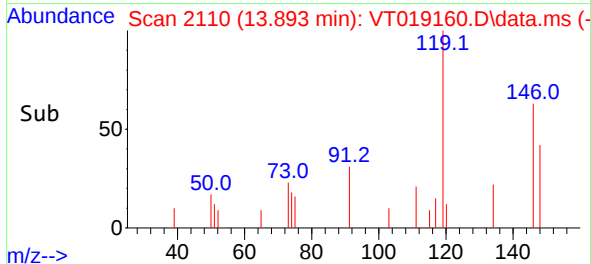
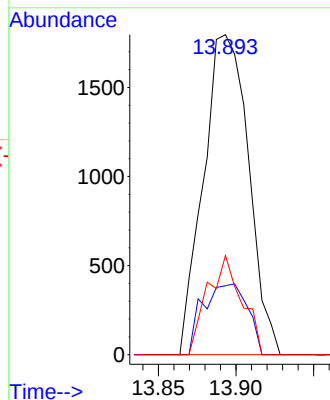
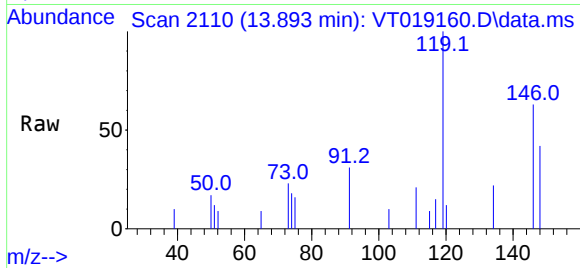




#82
p-Isopropyltoluene
Concen: 0.860 ug/l
RT: 13.893 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

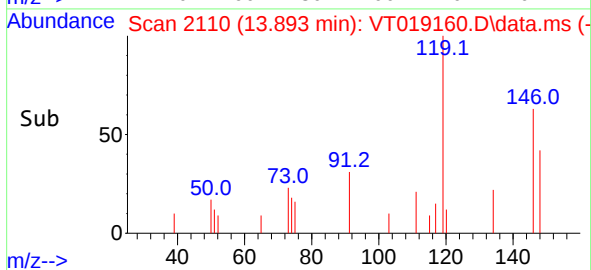
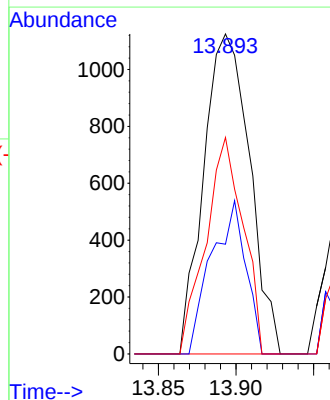
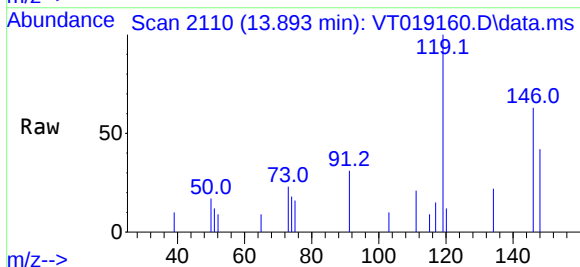
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

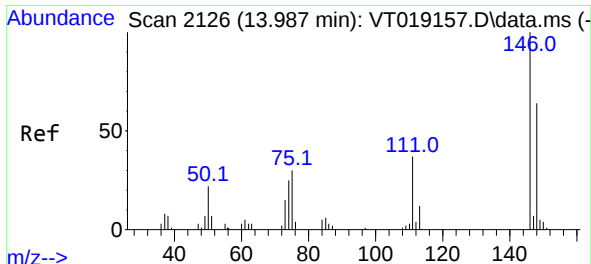
Tgt Ion:119 Resp: 3629
Ion Ratio Lower Upper
119 100
134 21.9 0.0 50.8
91 23.6 0.0 51.0



#83
1,3-Dichlorobenzene
Concen: 1.041 ug/l
RT: 13.893 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:146 Resp: 2318
Ion Ratio Lower Upper
146 100
111 35.8 20.7 62.1
148 55.0 31.8 95.3

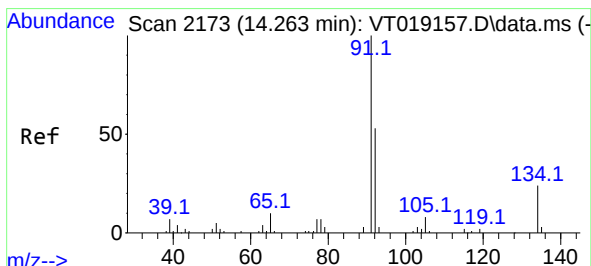
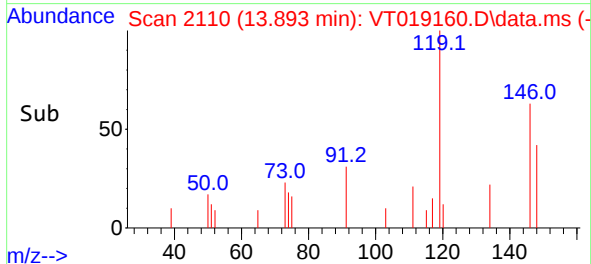
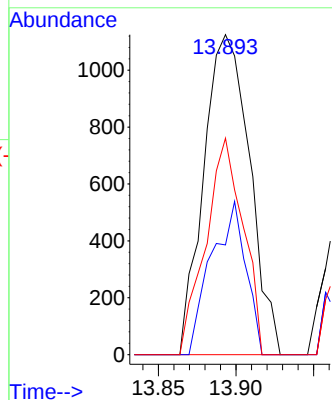
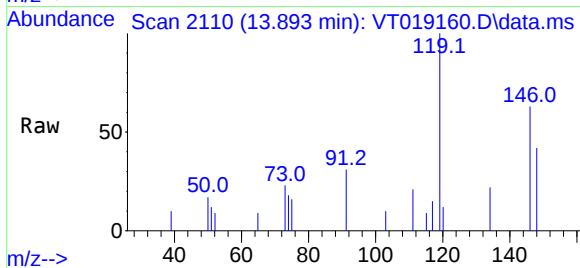




#84
1,4-Dichlorobenzene
Concen: 1.034 ug/l
RT: 13.893 min Scan# 2110
Delta R.T. -0.088 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

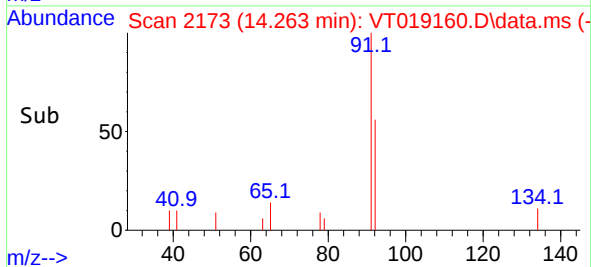
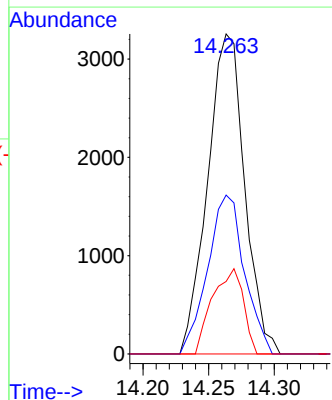
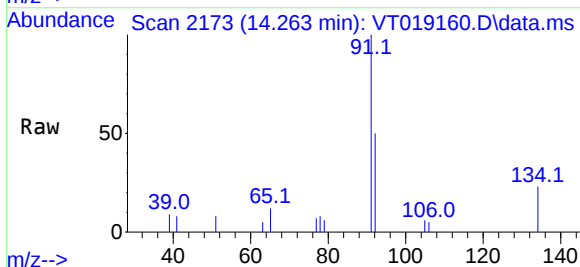
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

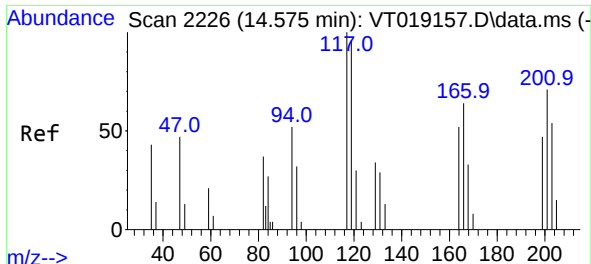
Tgt Ion:146 Resp: 2318
Ion Ratio Lower Upper
146 100
111 35.8 20.4 61.3
148 55.0 32.3 96.8



#85
n-Butylbenzene
Concen: 1.653 ug/l
RT: 14.263 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 91 Resp: 6384
Ion Ratio Lower Upper
91 100
92 49.4 0.0 107.8
134 22.2 0.0 50.0

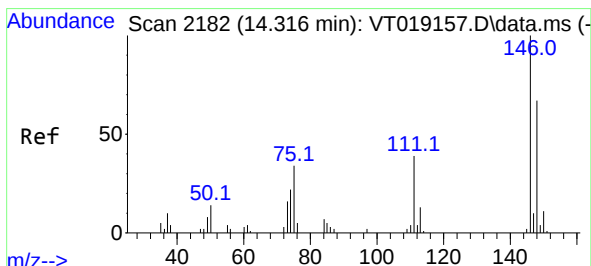
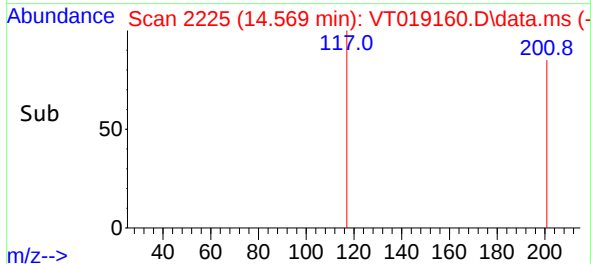
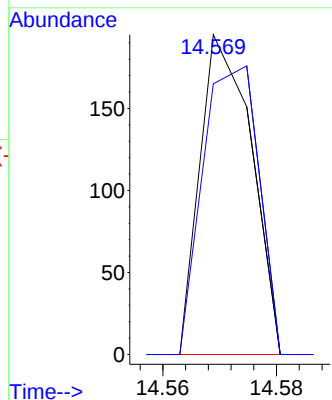
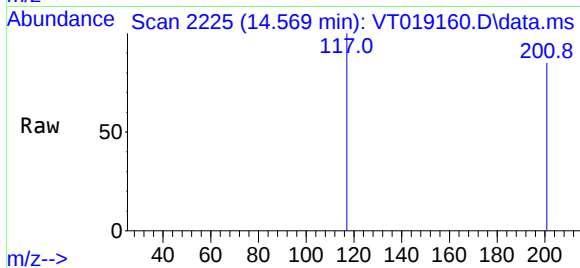




#86
Hexachloroethane
Concen: 0.216 ug/l
RT: 14.569 min Scan# 2110
Delta R.T. -0.006 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

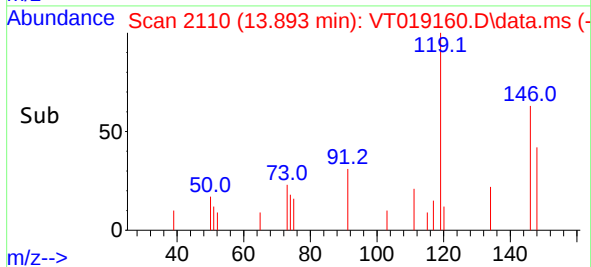
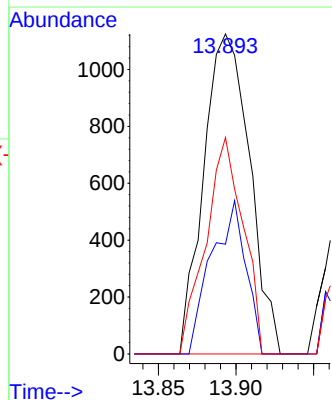
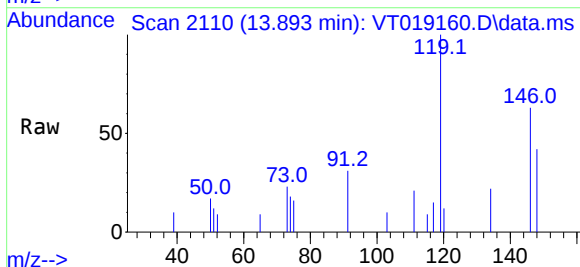
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

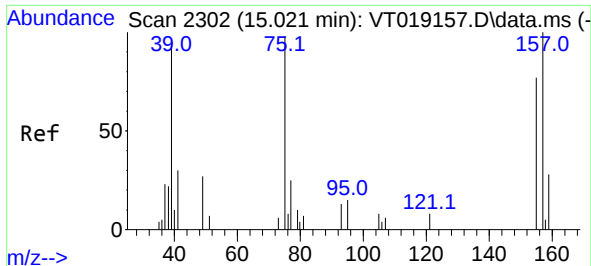
Tgt Ion:117 Resp: 122
Ion Ratio Lower Upper
117 100
201 98.4 0.5 1.5#



#87
1,2-Dichlorobenzene
Concen: 1.042 ug/l
RT: 13.893 min Scan# 2110
Delta R.T. -0.423 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion:146 Resp: 2318
Ion Ratio Lower Upper
146 100
111 35.8 21.8 65.3
148 55.0 32.4 97.0

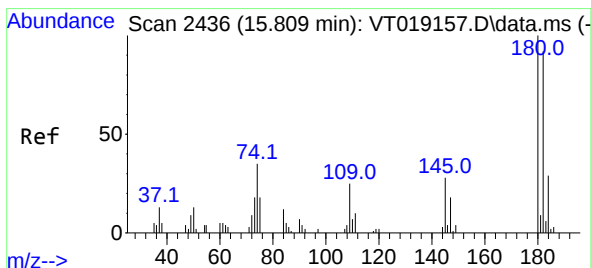
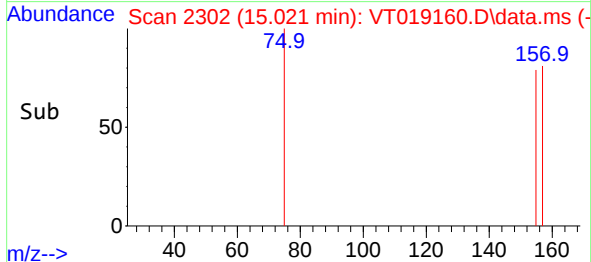
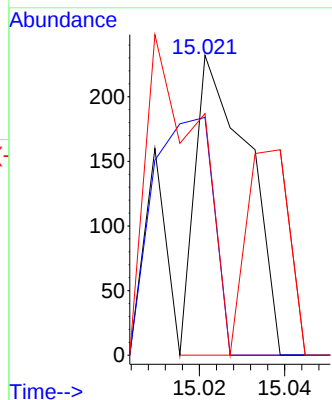
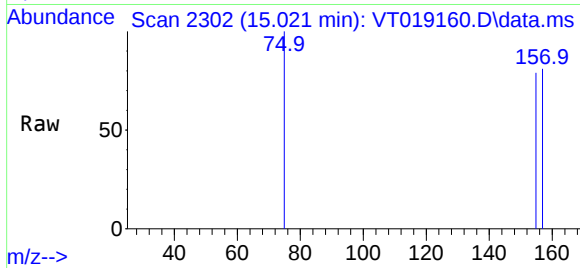




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.480 ug/l
RT: 15.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

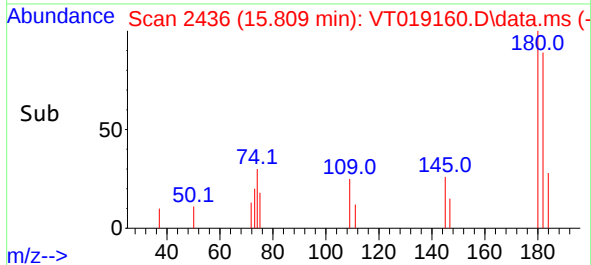
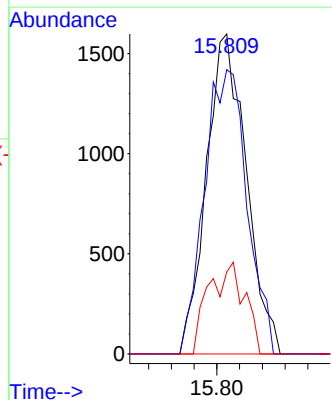
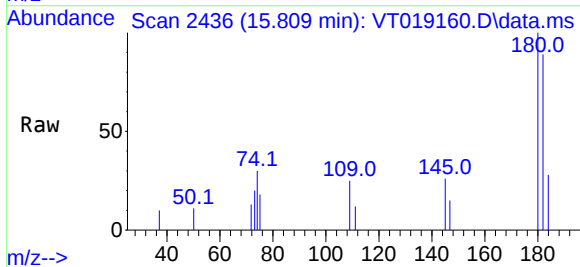
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

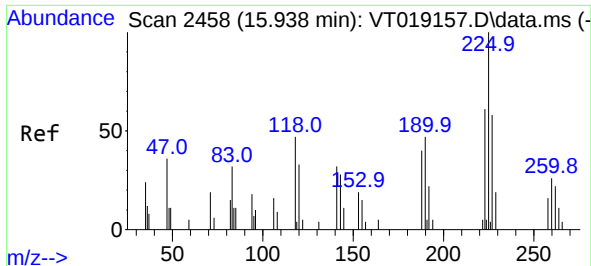
Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
155 90.5 65.4 98.2
157 55.5 82.0 123.0#



#89
1,2,4-Trichlorobenzene
Concen: 2.869 ug/l
RT: 15.809 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

Tgt Ion: 180 Resp: 3886
Ion Ratio Lower Upper
180 100
182 0.0 78.2 117.2#
145 4.8 26.5 39.7#

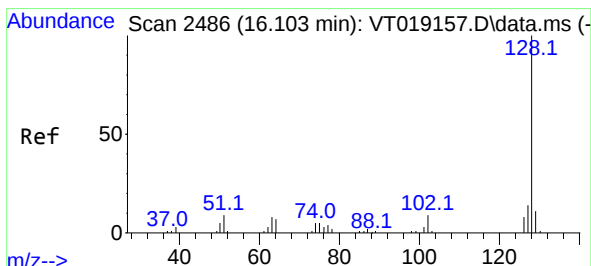
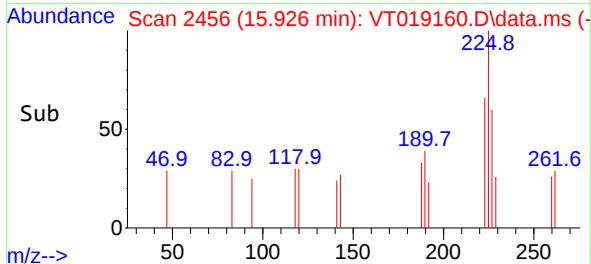
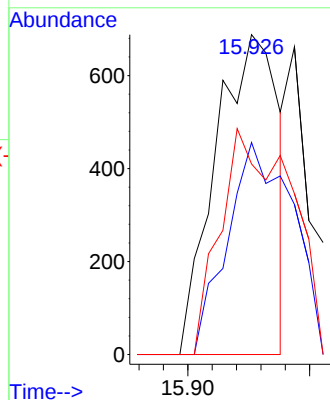
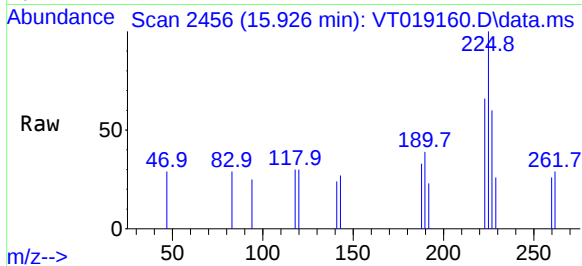




#90
Hexachlorobutadiene
Concen: 2.743 ug/l
RT: 15.926 min Scan# 2456
Delta R.T. -0.012 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

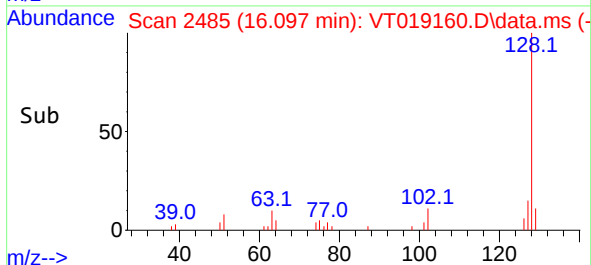
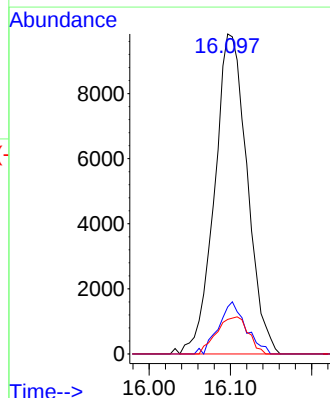
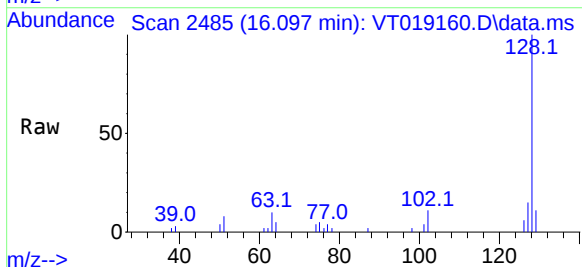
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

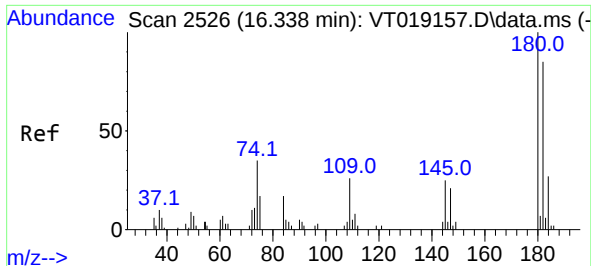
Tgt Ion:	225	Resp:	1232
Ion	Ratio	Lower	Upper
225	100		
223	69.1	0.0	73.8
227	50.2	0.0	130.6



#91
Naphthalene
Concen: 5.221 ug/l
RT: 16.097 min Scan# 2485
Delta R.T. -0.000 min
Lab File: VT019160.D
Acq: 22 Oct 2025 15:48

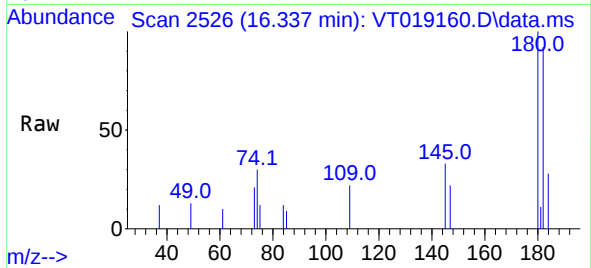
Tgt Ion:	128	Resp:	27338
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.2	9.0	13.4





#92
 1,2,3-Trichlorobenzene
 Concen: 3.250 ug/l
 RT: 16.337 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VT019160.D
 Acq: 22 Oct 2025 15:48

Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK



Tgt Ion:180 Resp: 4444
 Ion Ratio Lower Upper
 180 100
 182 43.4 0.0 189.0
 145 0.0 0.0 69.2

