

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT120825\
 Data File : VT019246.D
 Acq On : 8 Dec 2025 13:11
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_T/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK

Quant Time: Dec 09 01:16:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T120825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 09 01:13:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.542	168	258595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.541	114	439561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.714	117	359945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.917	152	170518	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.930	65	143032	42.946	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	85.900%
35) Dibromofluoromethane	7.460	113	117628	45.445	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.880%
50) Toluene-d8	10.215	98	523807	46.069	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.140%
62) 4-Bromofluorobenzene	12.848	95	167194	49.671	ug/l	0.00
Spiked Amount	50.000	Range	52 - 138	Recovery	=	99.340%

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.633	59	7651	21.141	ug/l #	88
13) Acrolein	3.511	56	993	9.079	ug/l	86
15) Acrylonitrile	4.804	53	1816	1.765	ug/l #	86
16) Acetone	3.717	43	39542	Below Cal		95
20) Methylene Chloride	4.398	84	20613	3.326	ug/l	94
25) 2-Butanone	6.672	43	14796	10.087	ug/l	90
29) Tetrahydrofuran	7.066	42	7123	9.766	ug/l	95
31) Cyclohexane	7.536	56	6836	1.024	ug/l #	8
36) 1,1-Dichloropropene	7.542	75	23422	5.147	ug/l #	51
38) Carbon Tetrachloride	7.536	117	26245	7.904	ug/l #	14
43) Isopropyl Acetate	8.088	43	6634	1.521	ug/l	97
49) 1,4-Dioxane	9.228	88	2636	97.856	ug/l #	90
51) 4-Methyl-2-Pentanone	10.098	43	52365	24.357	ug/l	100
56) Ethyl methacrylate	10.603	69	4469	1.538	ug/l	93
59) 2-Hexanone	10.967	43	45568	26.374	ug/l	99
67) Ethyl Benzene	11.831	91	16070	1.013	ug/l	99
68) m/p-Xylenes	11.960	106	12373	2.029	ug/l	92
69) o-Xylene	12.331	106	7149	1.239	ug/l	96
70) Styrene	12.348	104	13735	1.423	ug/l	94
73) Isopropylbenzene	12.671	105	22565	1.500	ug/l	95
74) N-amyl acetate	12.466	43	9950	3.589	ug/l	97
76) 1,2,3-Trichloropropane	13.024	75	3004	1.686	ug/l #	100
77) Bromobenzene	12.994	156	4372	1.409	ug/l	95
78) n-propylbenzene	13.059	91	35509	2.003	ug/l	97
79) 2-Chlorotoluene	13.159	91	14364	1.441	ug/l	94
80) 1,3,5-Trimethylbenzene	13.218	105	19979	1.719	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.848	75	92296	131.216	ug/l #	8
82) 4-Chlorotoluene	13.271	91	19210	1.840	ug/l	97
83) tert-Butylbenzene	13.523	119	23540	2.256	ug/l	96
84) 1,2,4-Trimethylbenzene	13.570	105	26808	2.277	ug/l	98
85) sec-Butylbenzene	13.723	105	40287	2.566	ug/l	99
86) p-Isopropyltoluene	13.852	119	35223	2.660	ug/l	99
87) 1,3-Dichlorobenzene	13.852	146	12841	1.994	ug/l	99
88) 1,4-Dichlorobenzene	13.940	146	15113	2.470	ug/l	89
89) n-Butylbenzene	14.222	91	49307	3.950	ug/l	100
91) 1,2-Dichlorobenzene	14.275	146	13441	2.439	ug/l	97

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QLast Update : Tue Dec 09 01:13:34 2025
Response via : Initial Calibration

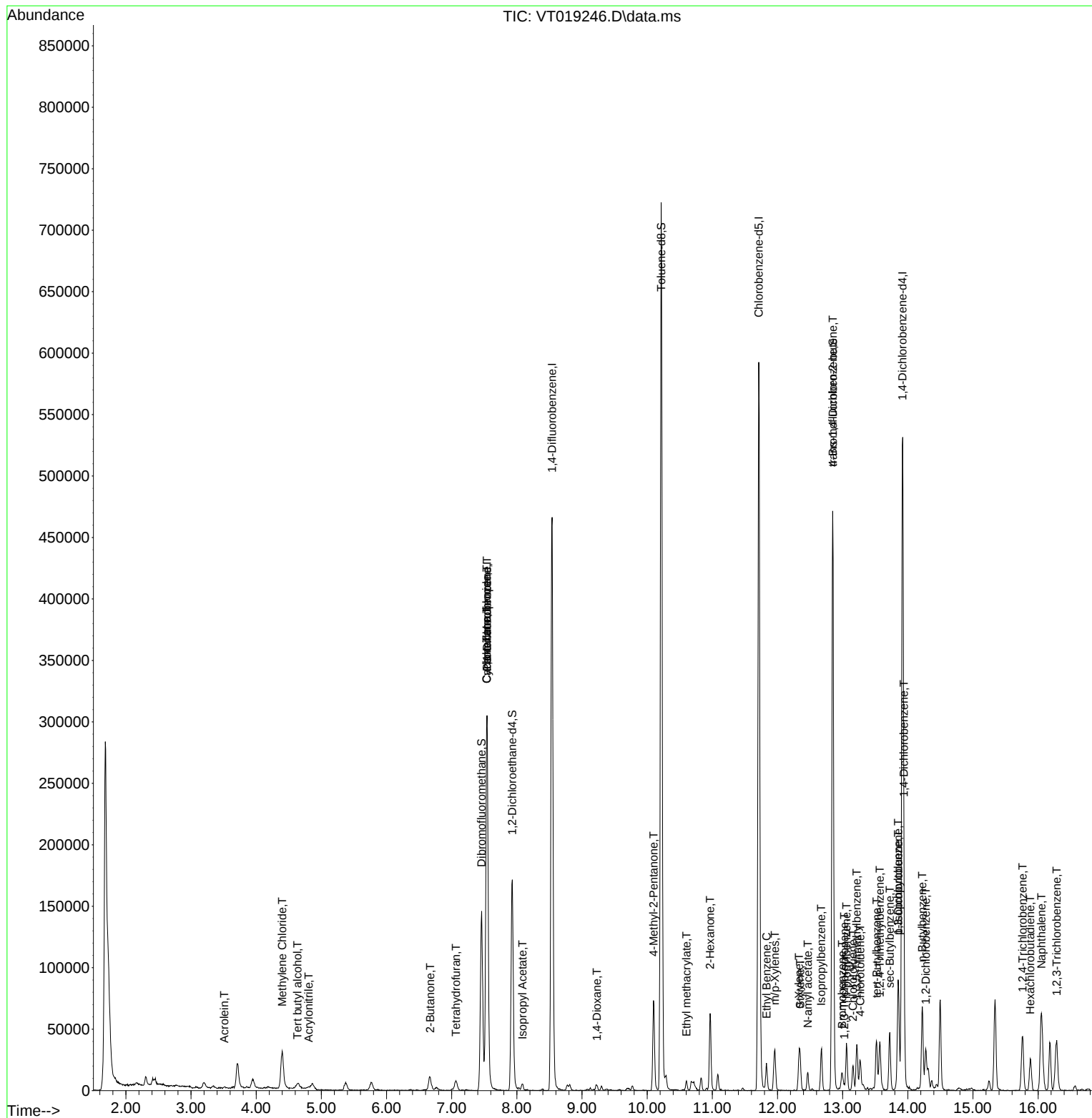
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.762	180	20174	5.575	ug/l	98
94) Hexachlorobutadiene	15.879	225	6607	3.565	ug/l	98
95) Naphthalene	16.050	128	81485	12.577	ug/l	99
96) 1,2,3-Trichlorobenzene	16.285	180	20796	6.721	ug/l	97

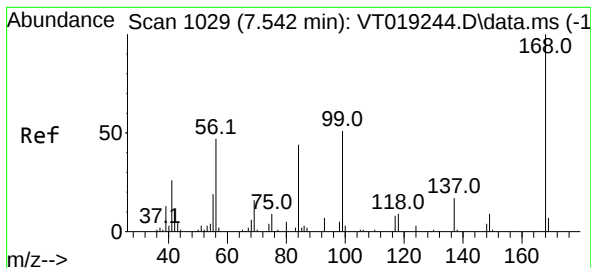
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

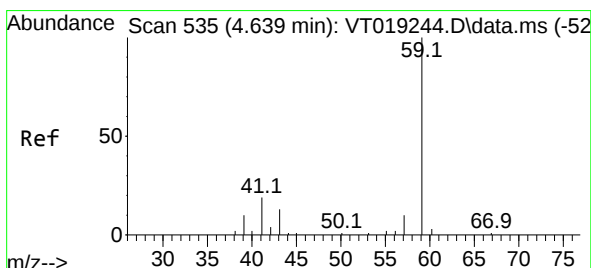
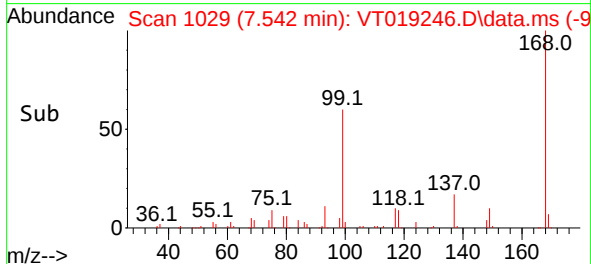
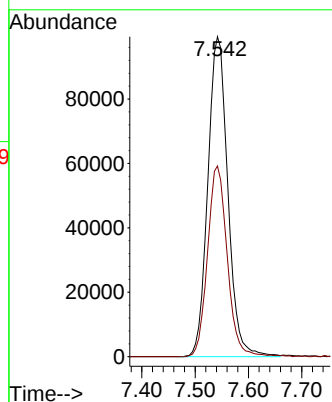
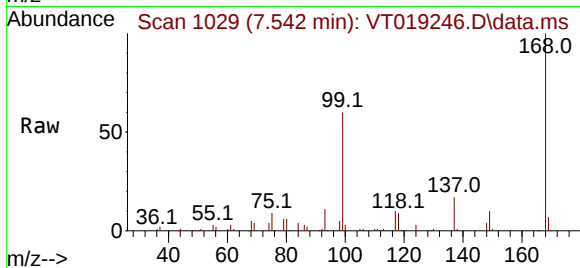
VIBLK

Tgt Ion:168 Resp: 258595

Ion Ratio Lower Upper

168 100

99 59.6 45.9 68.9



#11

Tert butyl alcohol

Concen: 21.141 ug/l

RT: 4.633 min Scan# 534

Delta R.T. -0.006 min

Lab File: VT019246.D

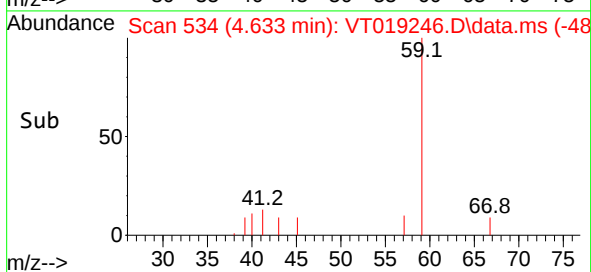
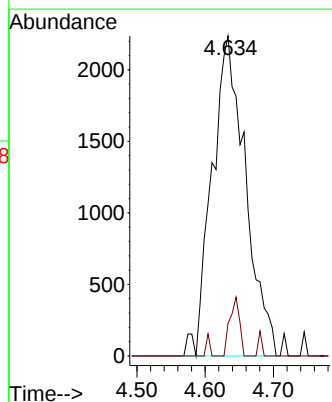
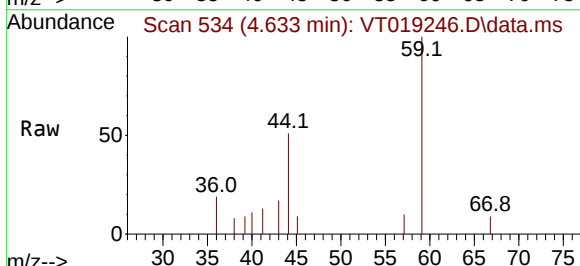
Acq: 8 Dec 2025 13:11

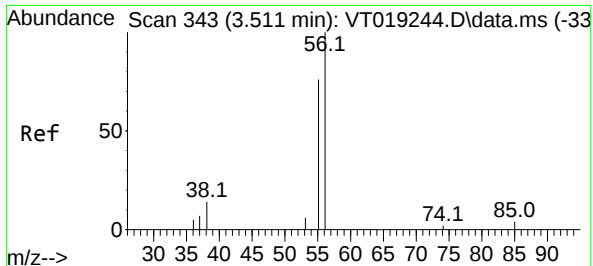
Tgt Ion: 59 Resp: 7651

Ion Ratio Lower Upper

59 100

57 5.4 8.0 12.0#

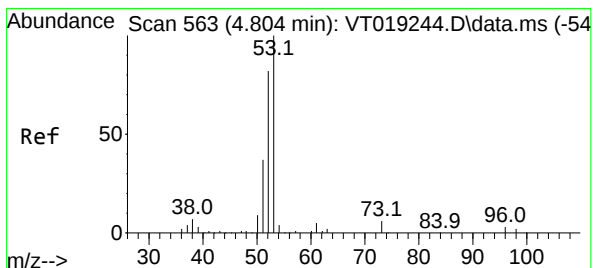
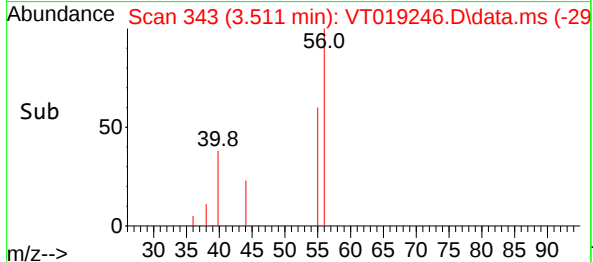
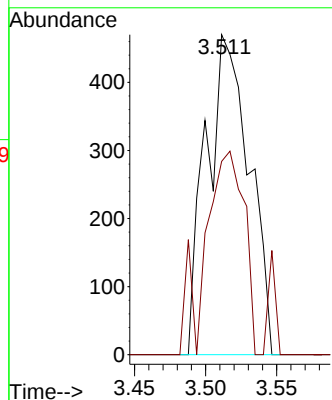
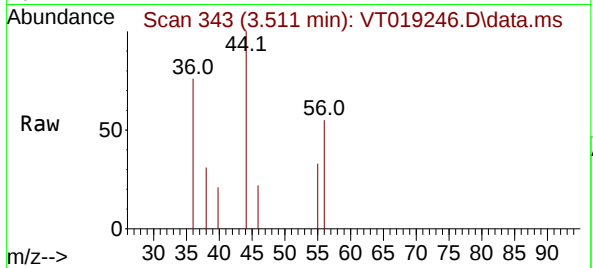




#13
Acrolein
Concen: 9.079 ug/l
RT: 3.511 min Scan# 343
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

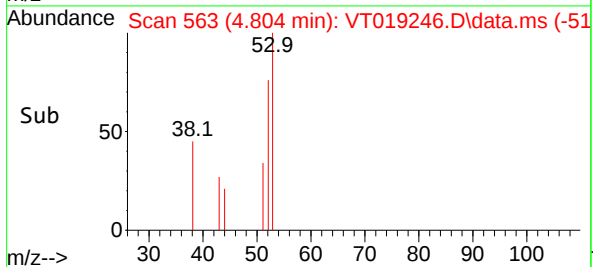
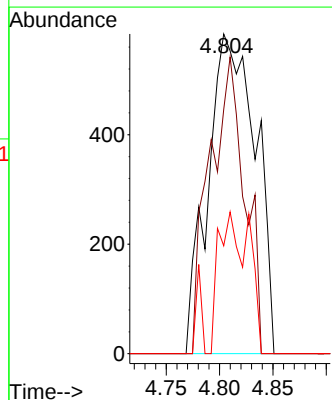
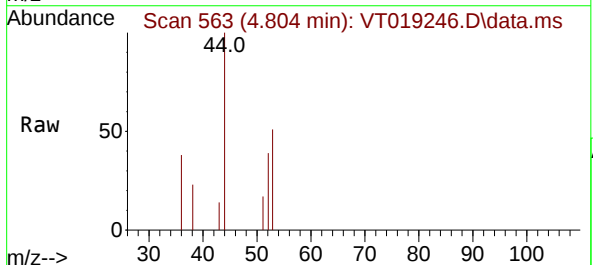
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

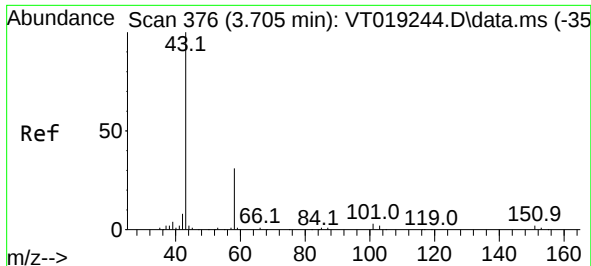
Tgt Ion: 56 Resp: 993
Ion Ratio Lower Upper
56 100
55 57.4 55.1 82.7



#15
Acrylonitrile
Concen: 1.765 ug/l
RT: 4.804 min Scan# 563
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 53 Resp: 1816
Ion Ratio Lower Upper
53 100
52 68.6 64.9 97.3
51 28.1 29.7 44.5#

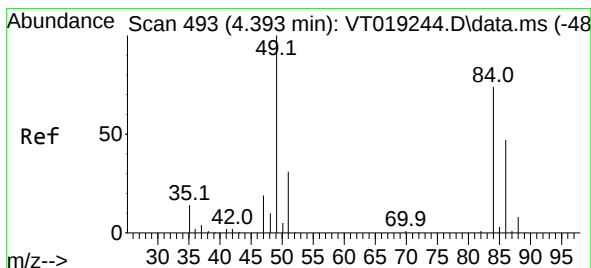
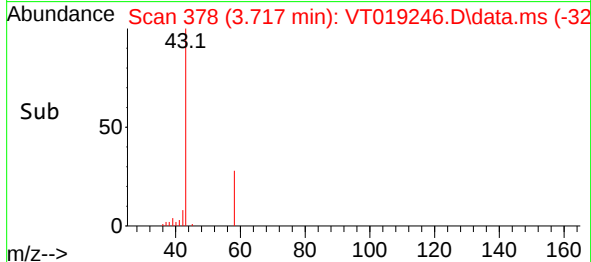
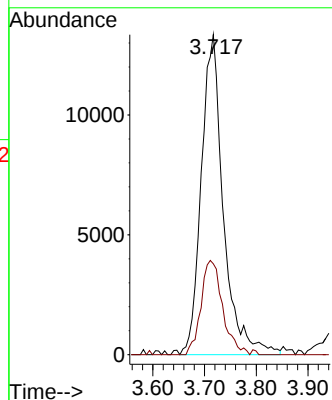
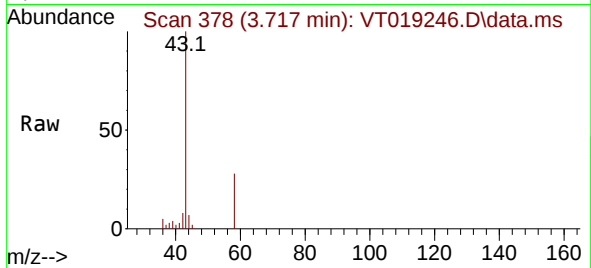




#16
Acetone
Concen: Below Cal
RT: 3.717 min Scan# 31
Delta R.T. 0.012 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

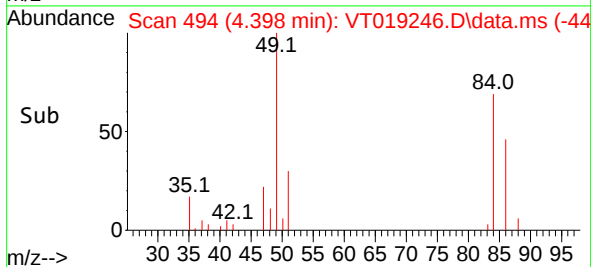
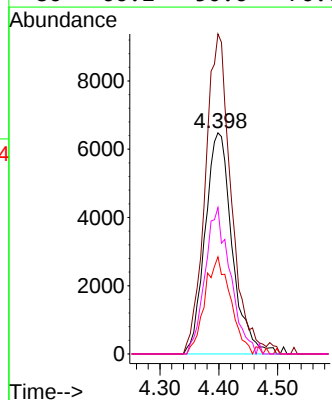
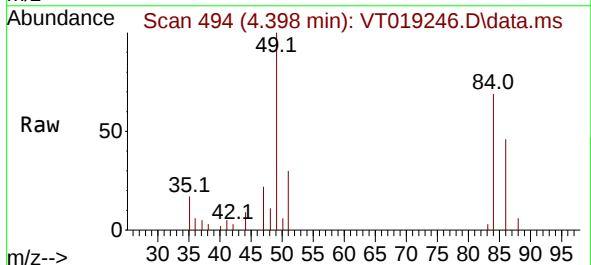
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

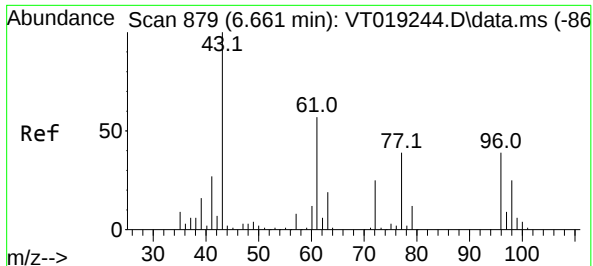
Tgt Ion: 43 Resp: 39542
Ion Ratio Lower Upper
43 100
58 28.4 25.0 37.6



#20
Methylene Chloride
Concen: 3.326 ug/l
RT: 4.398 min Scan# 494
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 84 Resp: 20613
Ion Ratio Lower Upper
84 100
49 144.8 108.7 163.1
51 43.9 33.2 49.8
86 66.2 50.6 76.0

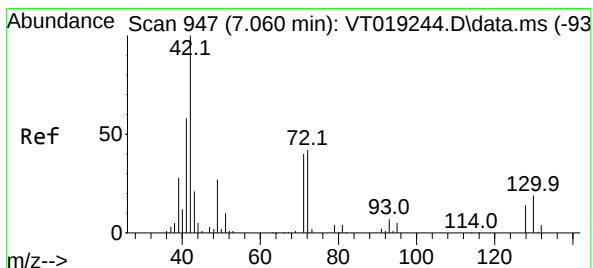
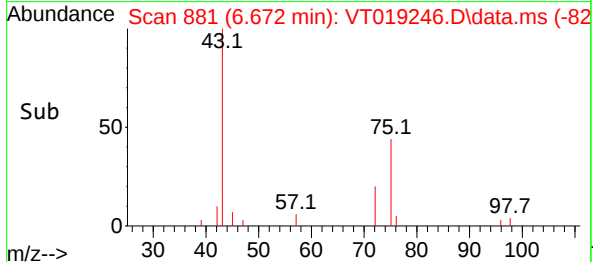
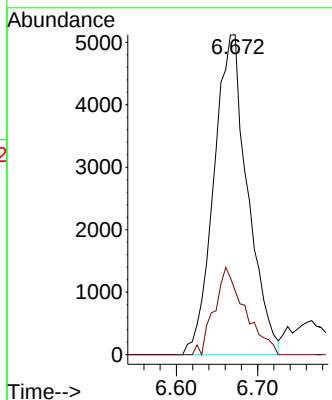
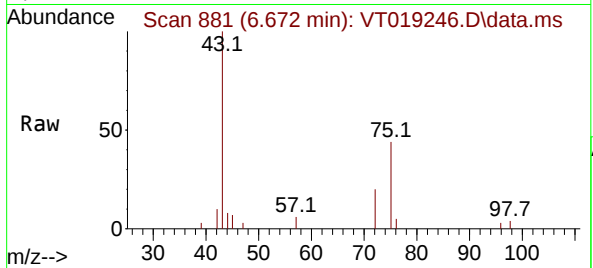




#25
2-Butanone
Concen: 10.087 ug/l
RT: 6.672 min Scan# 81
Delta R.T. 0.012 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

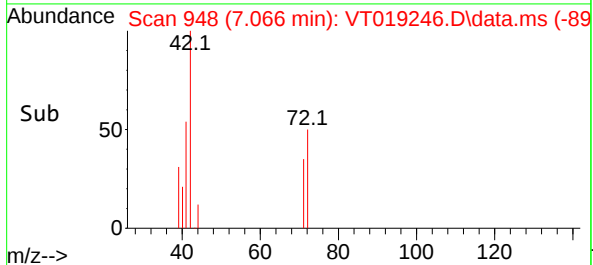
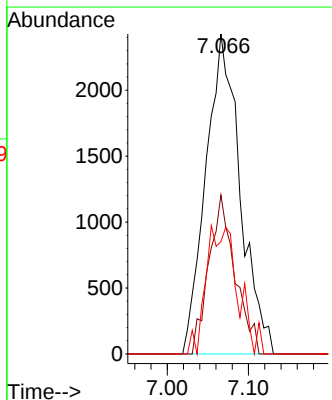
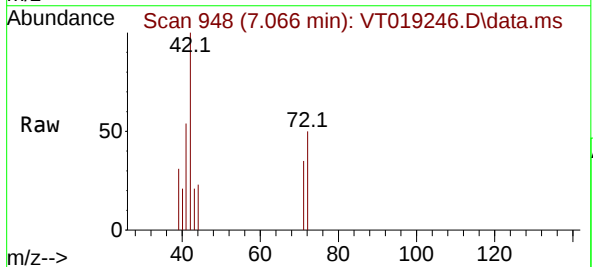
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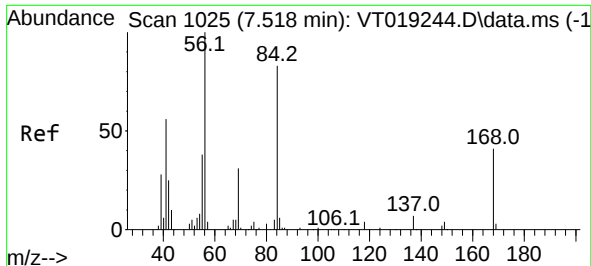
Tgt Ion: 43 Resp: 14796
Ion Ratio Lower Upper
43 100
72 20.0 19.8 29.6



#29
Tetrahydrofuran
Concen: 9.766 ug/l
RT: 7.066 min Scan# 948
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 42 Resp: 7123
Ion Ratio Lower Upper
42 100
72 37.8 33.0 49.6
71 35.6 30.6 46.0

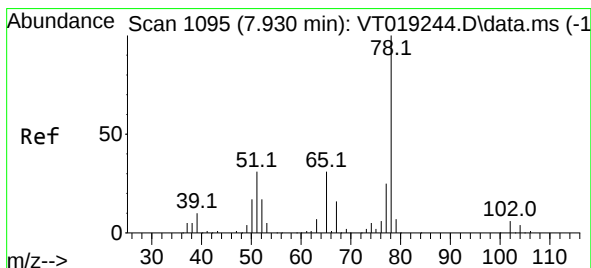
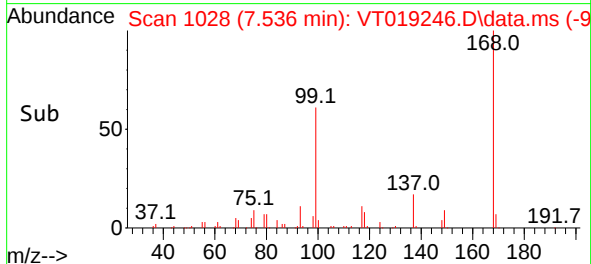
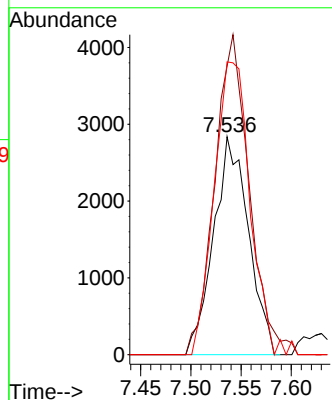
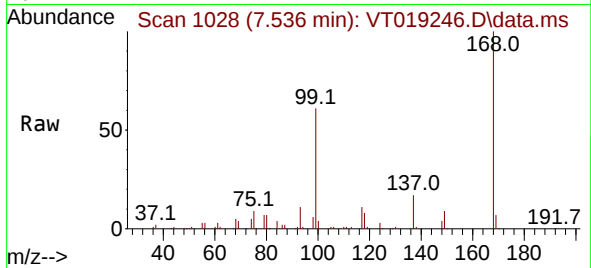




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.536 min Scan# 1028
Delta R.T. 0.018 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

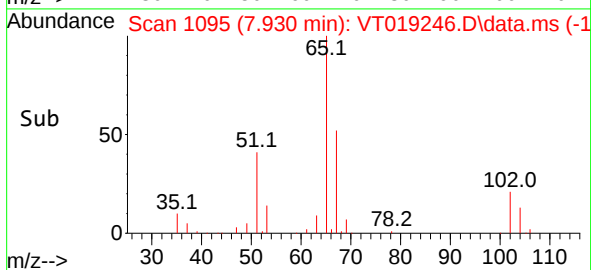
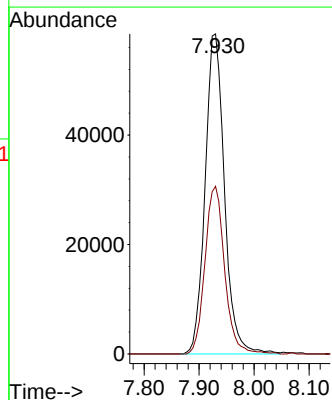
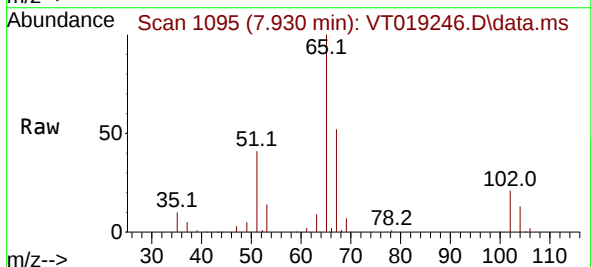
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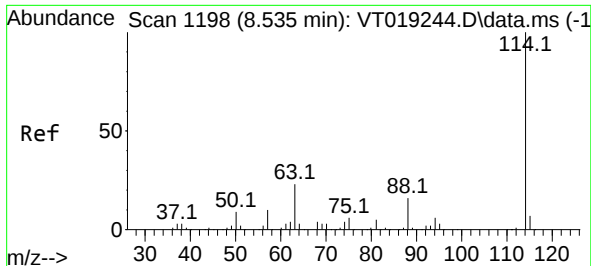
Tgt Ion: 56 Resp: 6836
Ion Ratio Lower Upper
56 100
69 132.3 25.1 37.7#
84 134.3 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 42.946 ug/l
RT: 7.930 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 65 Resp: 143032
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.541 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

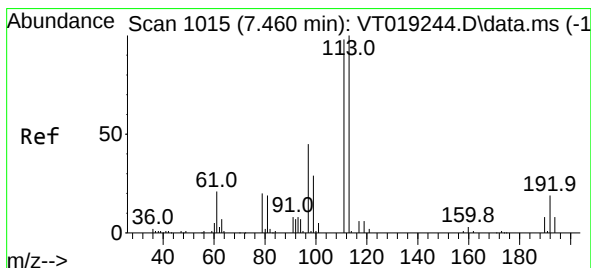
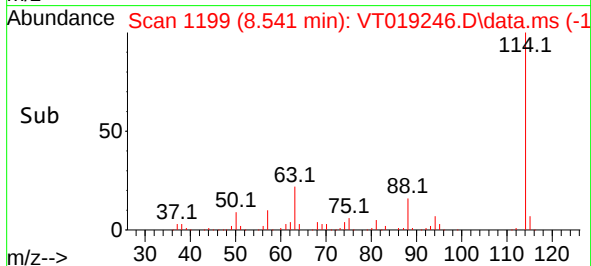
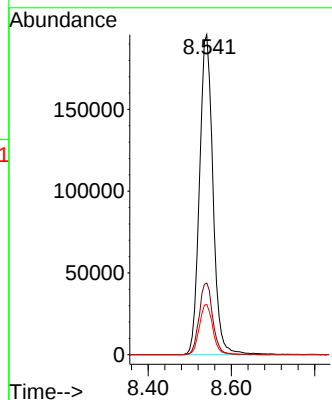
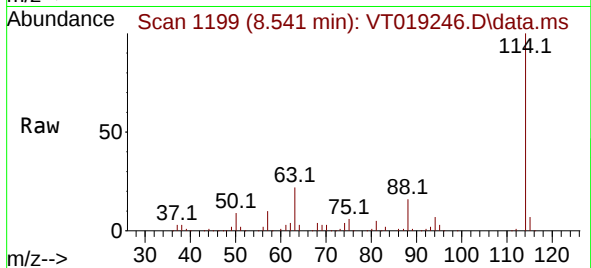
Tgt Ion:114 Resp: 439561

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 45.445 ug/l

RT: 7.460 min Scan# 1015

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

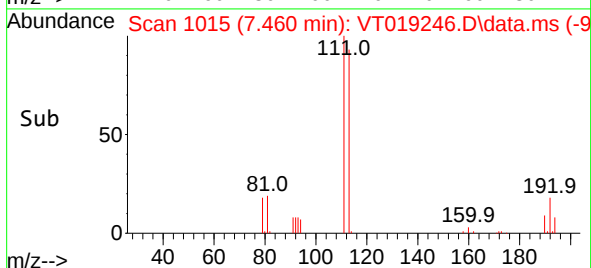
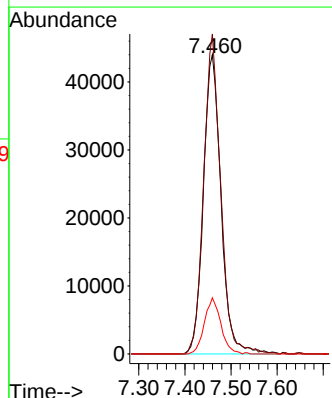
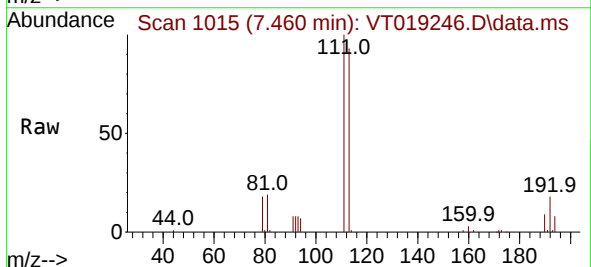
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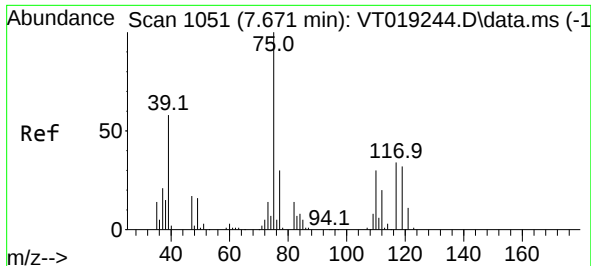
Ion Ratio Lower Upper

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111 103.0 82.7 124.1

192 17.4 14.2 21.4

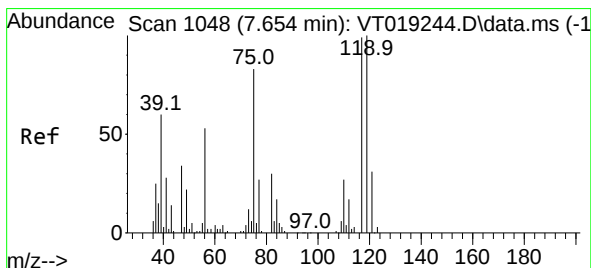
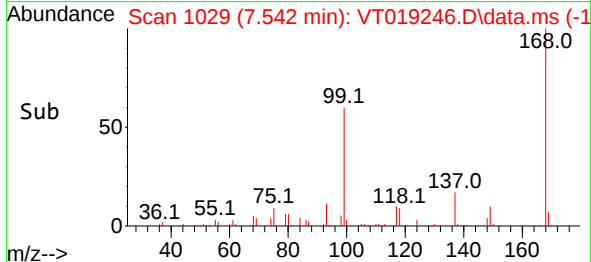
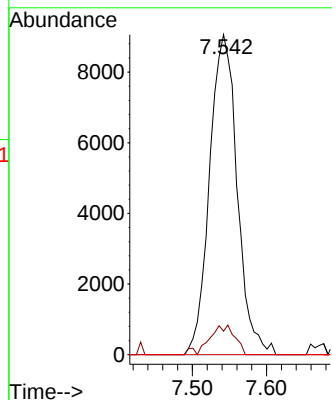
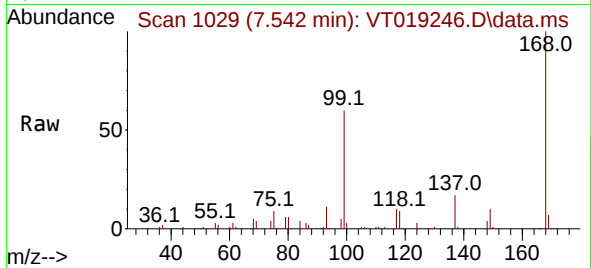




#36
 1,1-Dichloropropene
 Concen: 5.147 ug/l
 RT: 7.542 min Scan# 1029
 Delta R.T. -0.129 min
 Lab File: VT019246.D
 Acq: 8 Dec 2025 13:11

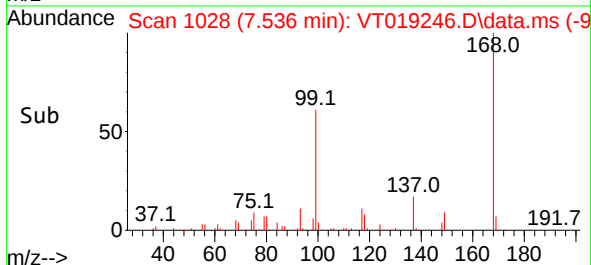
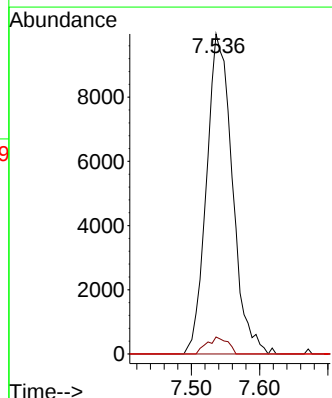
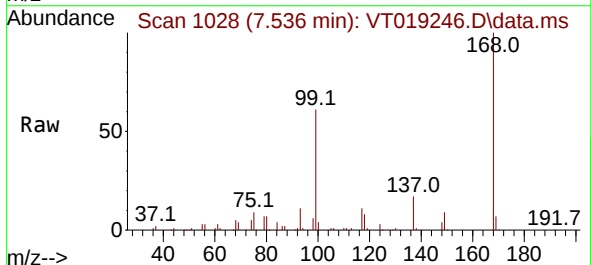
Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK

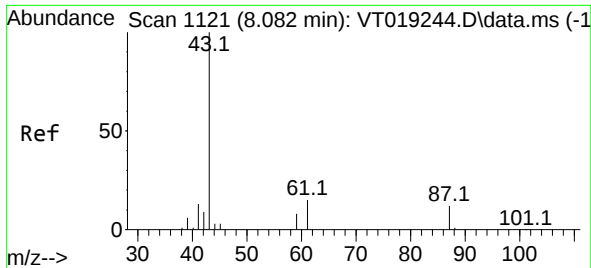
Tgt Ion: 75 Resp: 23422
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.1 48.3#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.904 ug/l
 RT: 7.536 min Scan# 1028
 Delta R.T. -0.118 min
 Lab File: VT019246.D
 Acq: 8 Dec 2025 13:11

Tgt Ion: 117 Resp: 26245
 Ion Ratio Lower Upper
 117 100
 119 5.3 80.1 120.1#
 121 0.0 25.1 37.7#

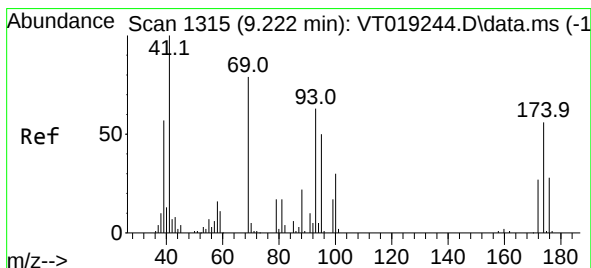
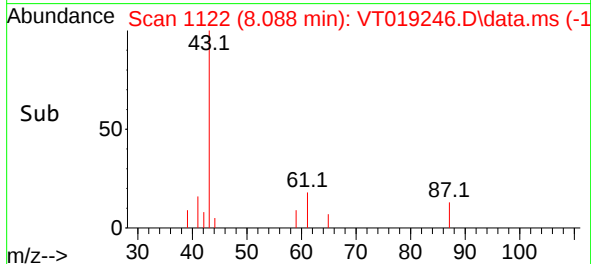
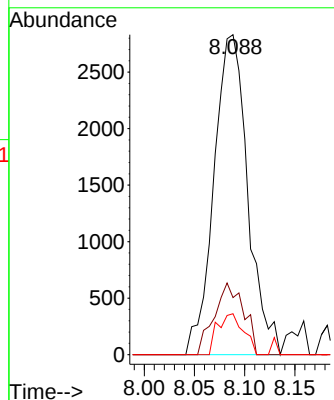
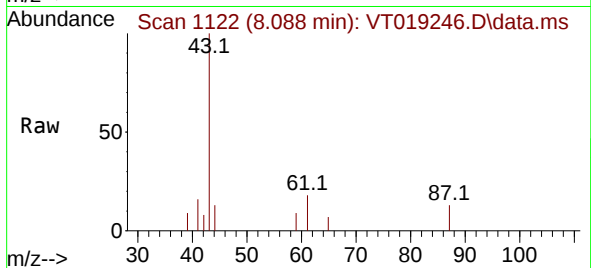




#43
Isopropyl Acetate
Concen: 1.521 ug/l
RT: 8.088 min Scan# 1121
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

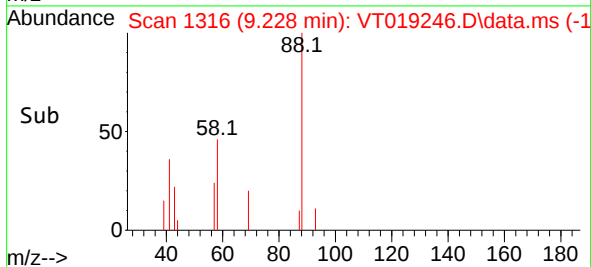
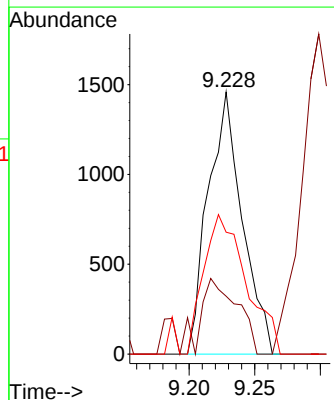
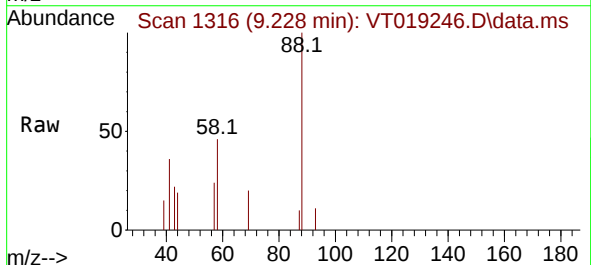
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

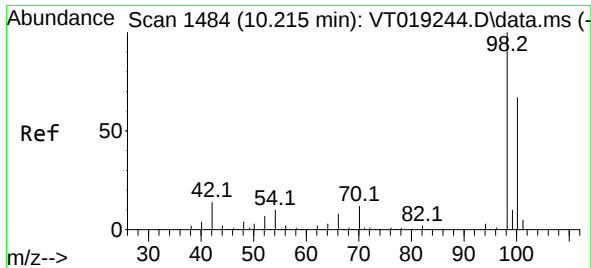
Tgt Ion: 43	Resp: 6634
Ion Ratio	Lower Upper
43 100	
61 19.5	15.9 23.9
87 9.8	9.8 14.6



#49
1,4-Dioxane
Concen: 97.856 ug/l
RT: 9.228 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 88	Resp: 2636
Ion Ratio	Lower Upper
88 100	
43 31.3	31.4 47.0#
58 66.7	58.6 87.8

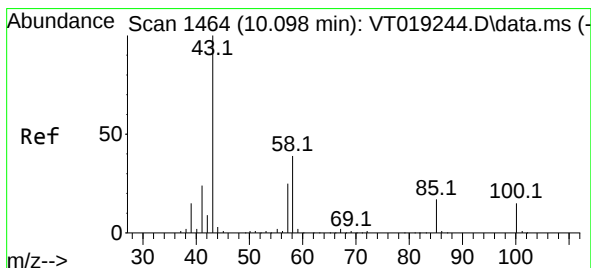
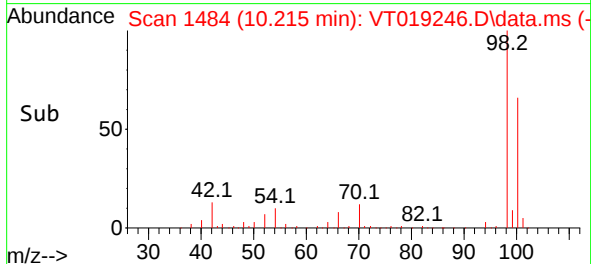
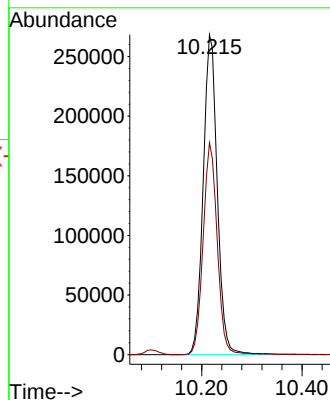
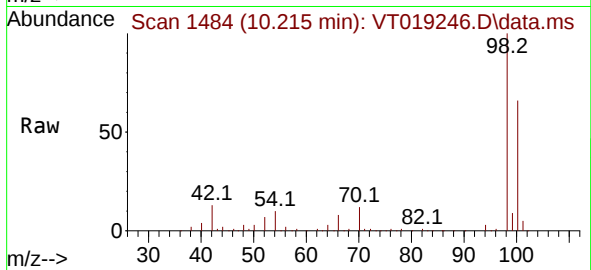




#50
Toluene-d8
Concen: 46.069 ug/l
RT: 10.215 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

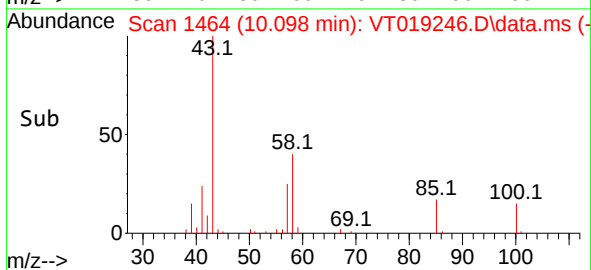
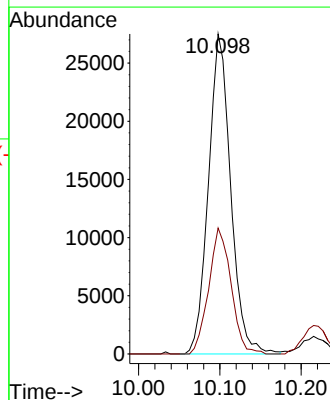
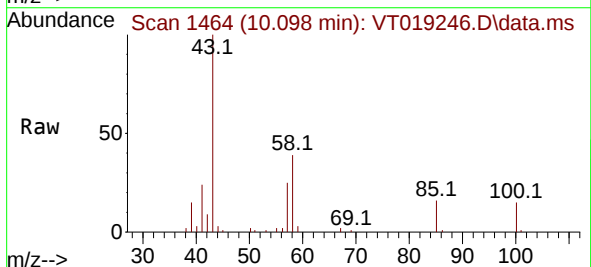
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

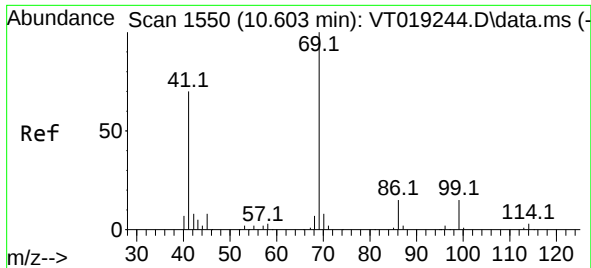
Tgt Ion: 98 Resp: 523807
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 24.357 ug/l
RT: 10.098 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 43 Resp: 52365
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3

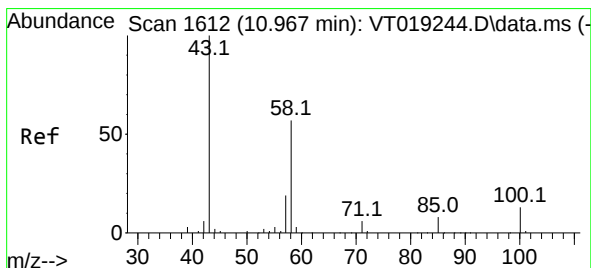
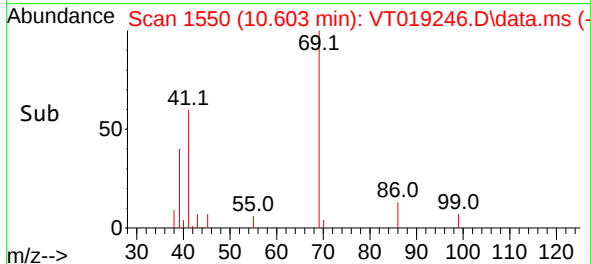
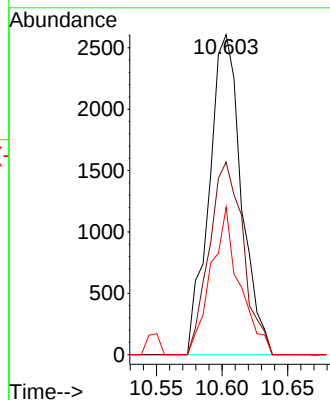
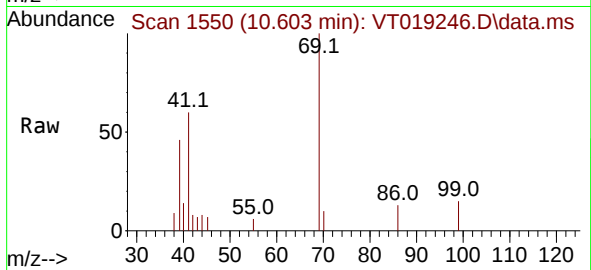




#56
Ethyl methacrylate
Concen: 1.538 ug/l
RT: 10.603 min Scan# 1550
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

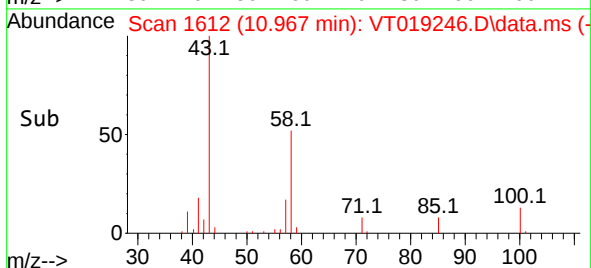
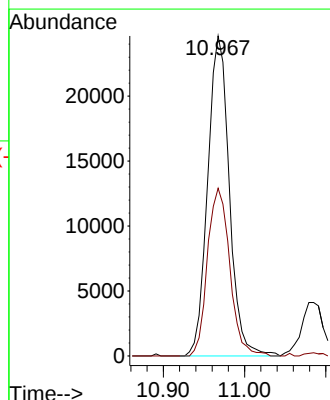
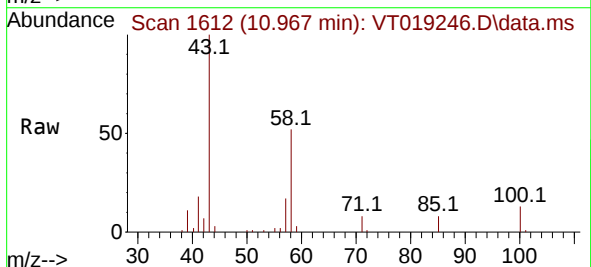
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

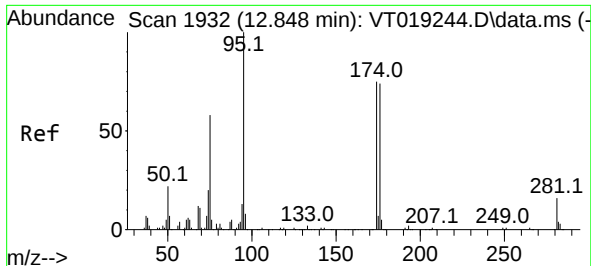
Tgt Ion: 69 Resp: 4469
Ion Ratio Lower Upper
69 100
41 63.5 56.5 84.7
39 40.8 34.4 51.6



#59
2-Hexanone
Concen: 26.374 ug/l
RT: 10.967 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 43 Resp: 45568
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.0

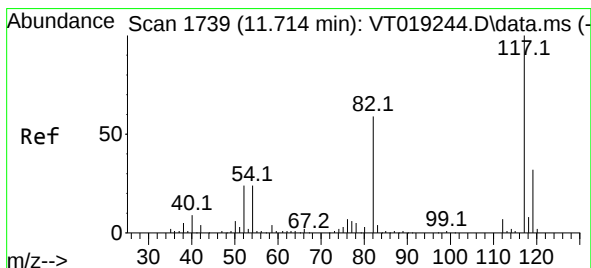
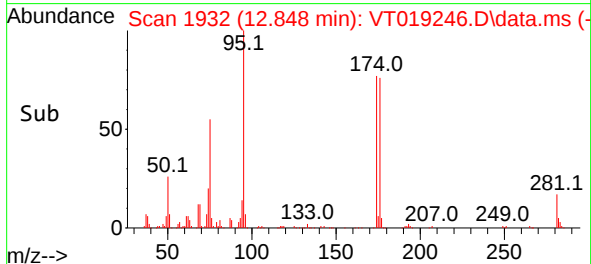
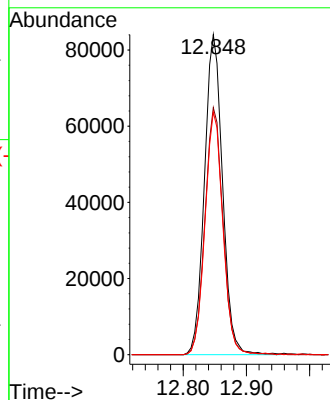
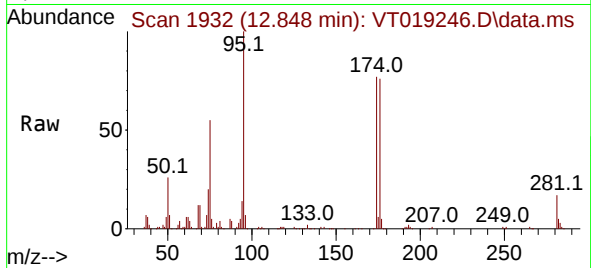




#62
4-Bromofluorobenzene
Concen: 49.671 ug/l
RT: 12.848 min Scan# 1932
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

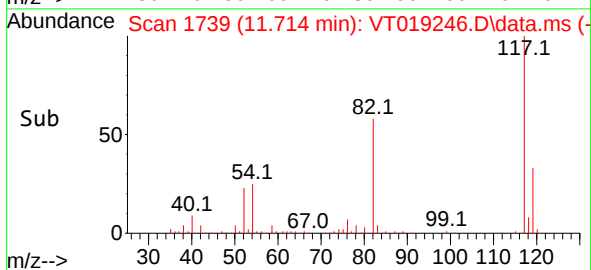
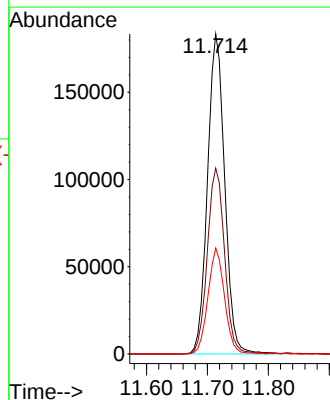
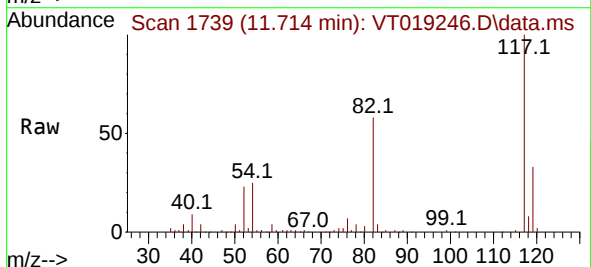
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

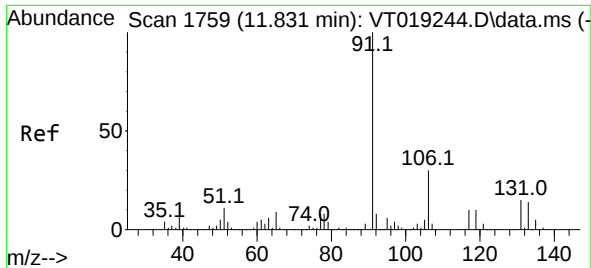
Tgt Ion: 95 Resp: 167194
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.4
176 74.7 0.0 149.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.714 min Scan# 1739
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 117 Resp: 359945
Ion Ratio Lower Upper
117 100
82 58.0 47.1 70.7
119 33.1 25.4 38.2





#67

Ethyl Benzene

Concen: 1.013 ug/l

RT: 11.831 min Scan# 1759

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

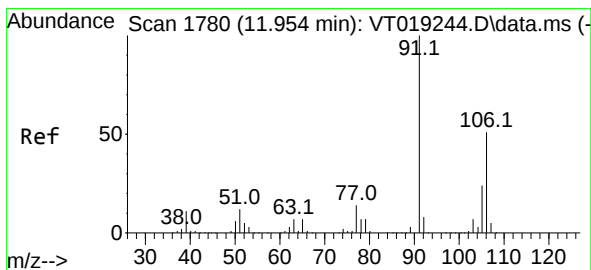
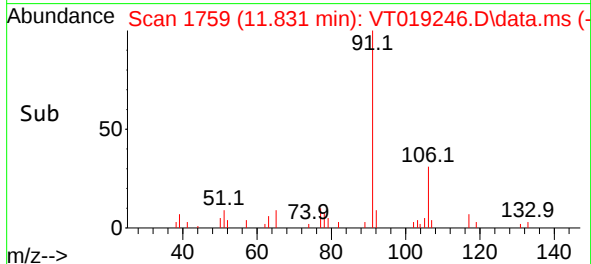
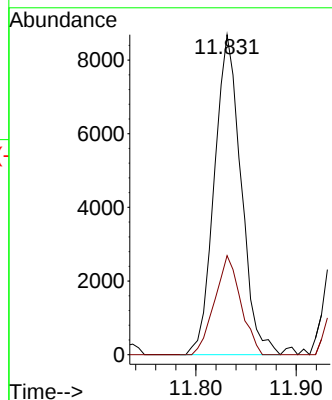
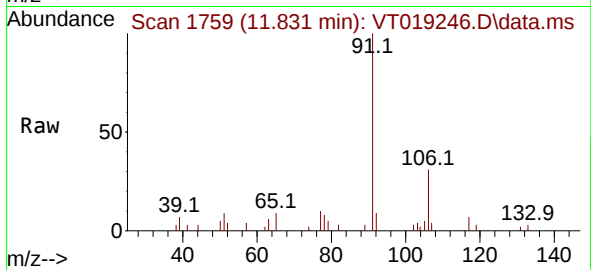
VIBLK

Tgt Ion: 91 Resp: 16070

Ion Ratio Lower Upper

91 100

106 30.9 24.3 36.5



#68

m/p-Xylenes

Concen: 2.029 ug/l

RT: 11.960 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VT019246.D

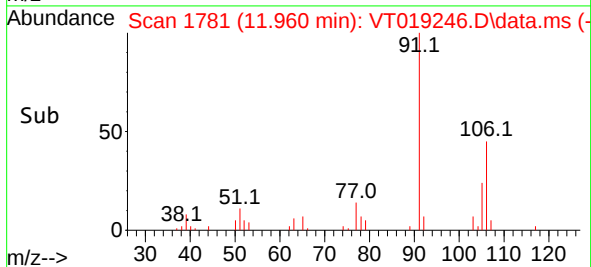
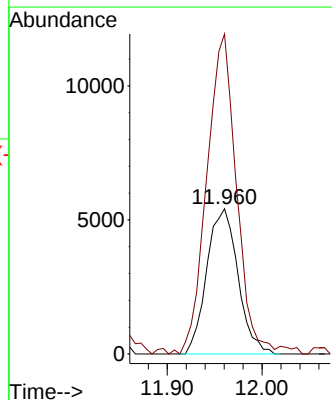
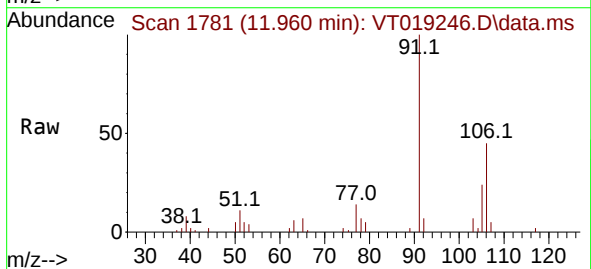
Acq: 8 Dec 2025 13:11

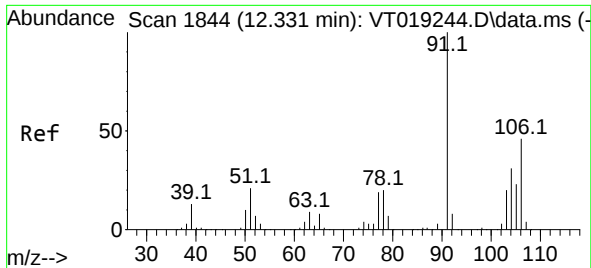
Tgt Ion: 106 Resp: 12373

Ion Ratio Lower Upper

106 100

91 211.6 159.3 238.9

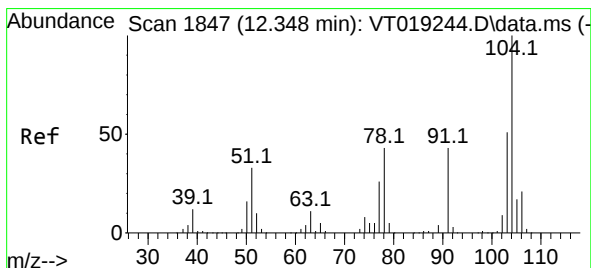
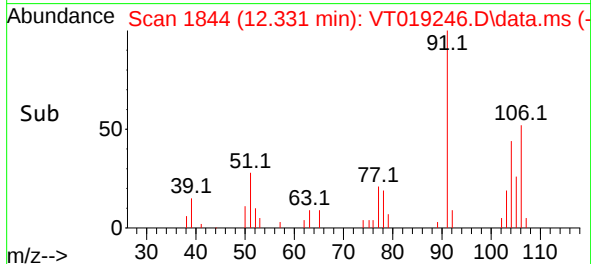
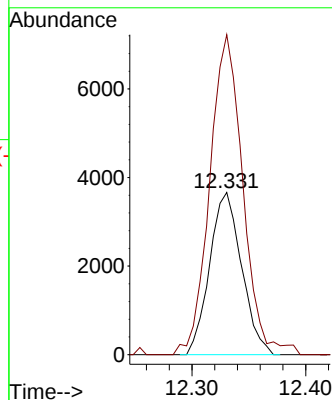
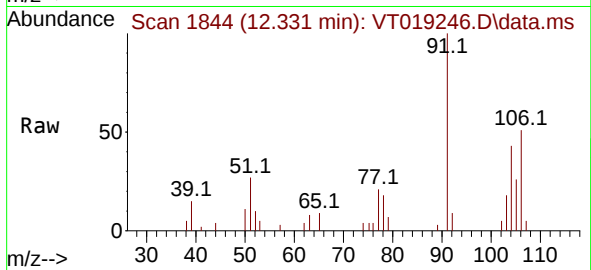




#69
o-Xylene
Concen: 1.239 ug/l
RT: 12.331 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

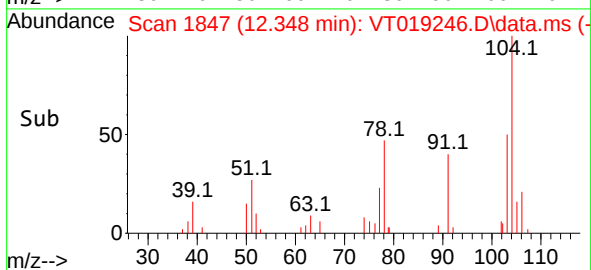
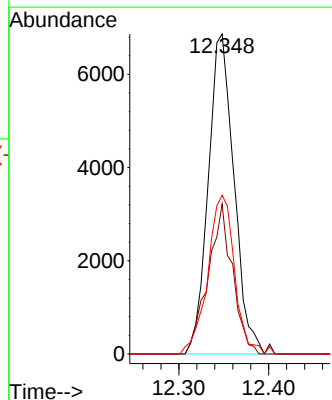
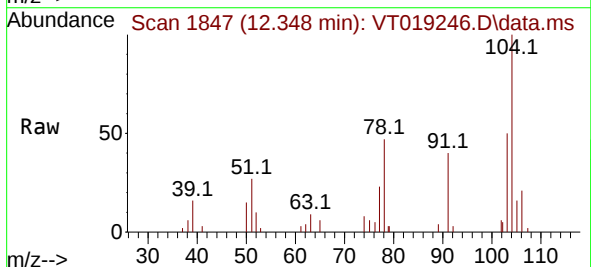
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

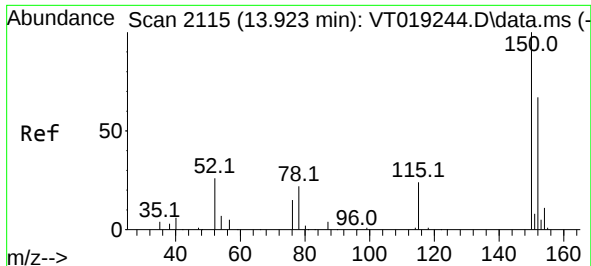
Tgt Ion:106 Resp: 7149
Ion Ratio Lower Upper
106 100
91 204.8 105.6 316.7



#70
Styrene
Concen: 1.423 ug/l
RT: 12.348 min Scan# 1847
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion:104 Resp: 13735
Ion Ratio Lower Upper
104 100
78 44.1 39.1 58.7
103 51.5 44.4 66.6

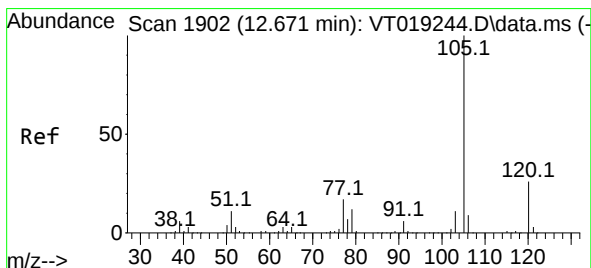
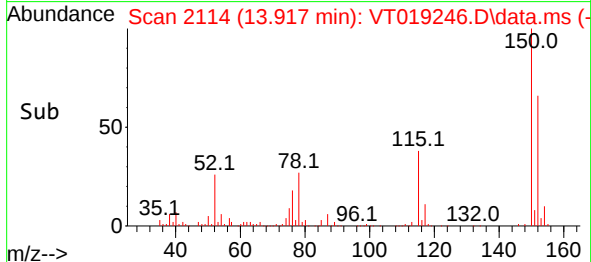
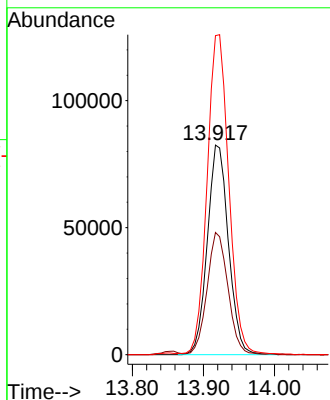
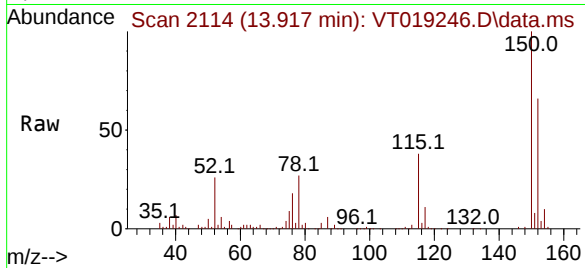




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.917 min Scan# 2115
Delta R.T. -0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

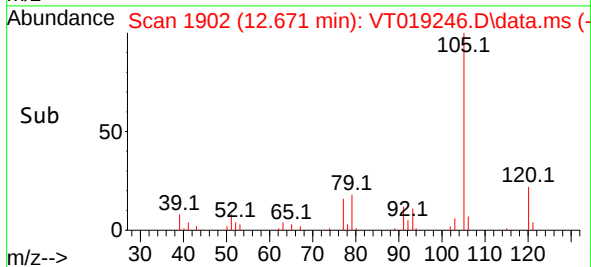
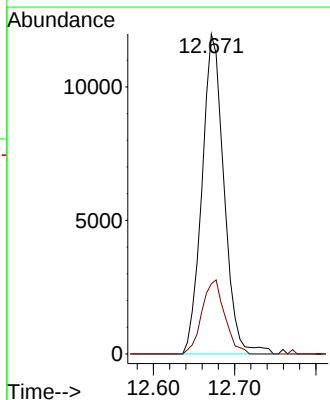
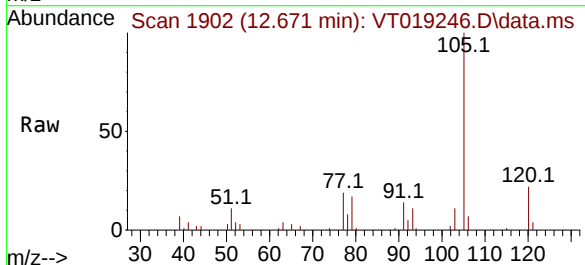
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

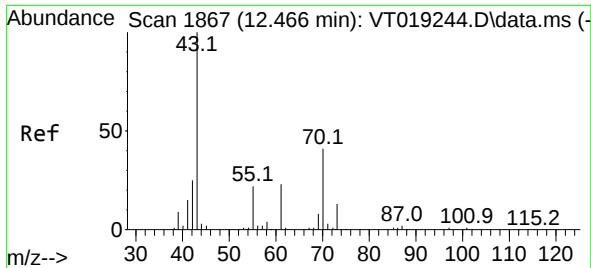
Tgt Ion:152 Resp: 170518
Ion Ratio Lower Upper
152 100
115 57.4 29.6 88.9
150 157.1 0.0 347.6



#73
Isopropylbenzene
Concen: 1.500 ug/l
RT: 12.671 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion:105 Resp: 22565
Ion Ratio Lower Upper
105 100
120 23.8 13.3 39.8

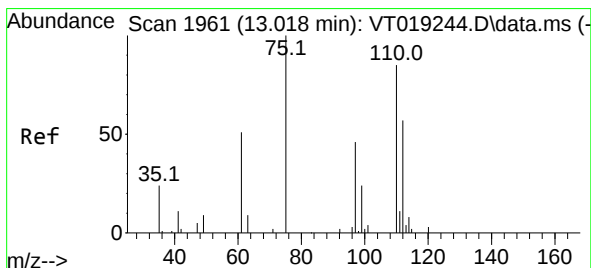
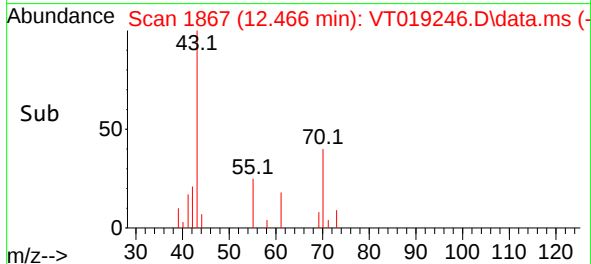
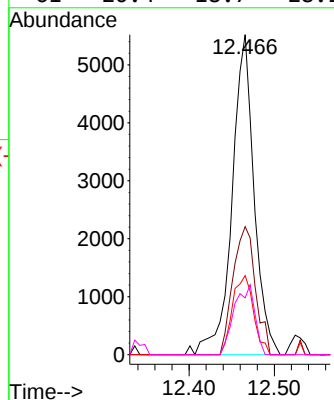
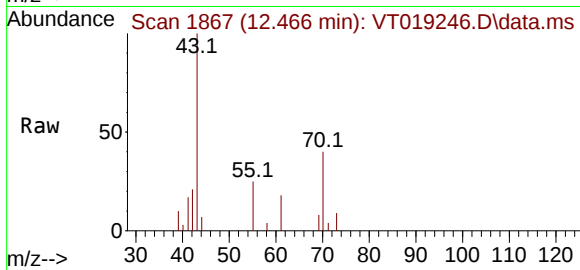




#74
N-amy1 acetate
Concen: 3.589 ug/l
RT: 12.466 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

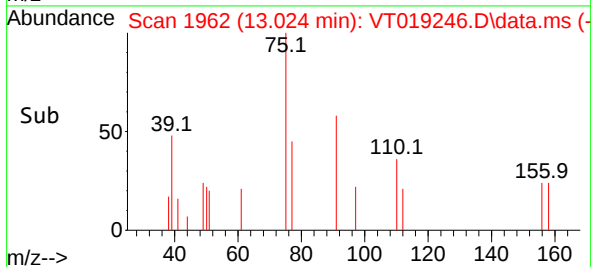
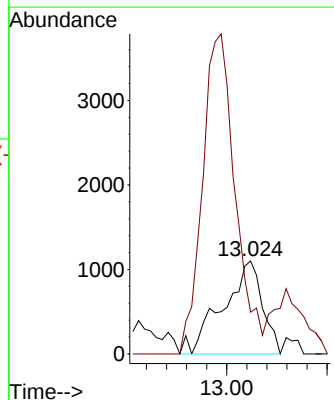
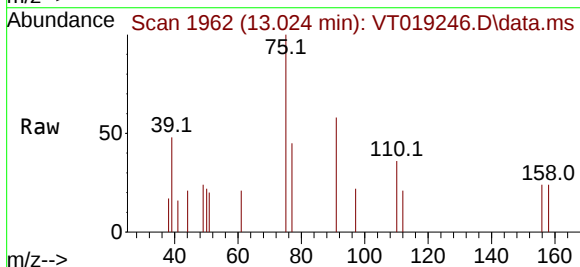
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

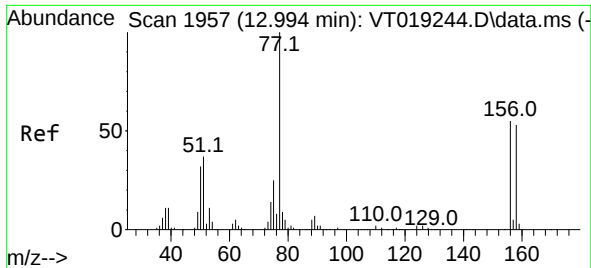
Tgt Ion:	43	Resp:	9950
Ion	Ratio	Lower	Upper
43	100		
70	40.5	33.3	49.9
55	23.4	18.5	27.7
61	20.4	18.7	28.1



#76
1,2,3-Trichloropropane
Concen: 1.686 ug/l
RT: 13.024 min Scan# 1962
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion:	75	Resp:	3004
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

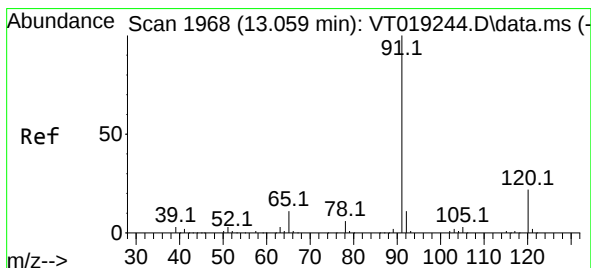
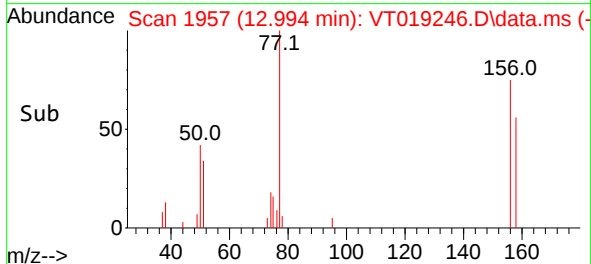
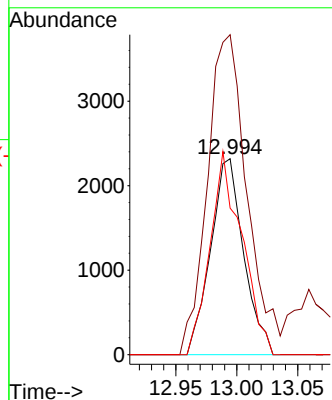
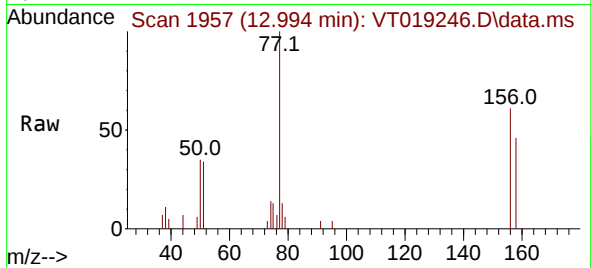




#77
Bromobenzene
Concen: 1.409 ug/l
RT: 12.994 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

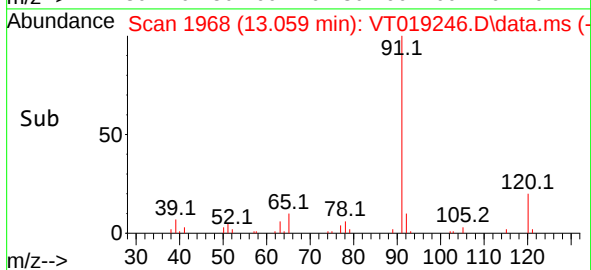
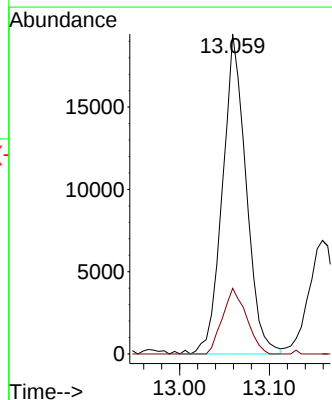
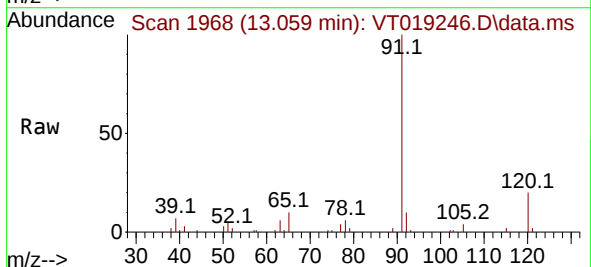
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

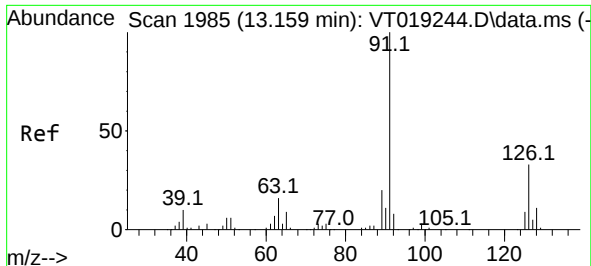
Tgt Ion:156 Resp: 4372
Ion Ratio Lower Upper
156 100
77 195.7 102.4 307.1
158 100.3 48.6 145.8



#78
n-propylbenzene
Concen: 2.003 ug/l
RT: 13.059 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 91 Resp: 35509
Ion Ratio Lower Upper
91 100
120 20.7 11.0 33.0





#79

2-Chlorotoluene

Concen: 1.441 ug/l

RT: 13.159 min Scan# 1985

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

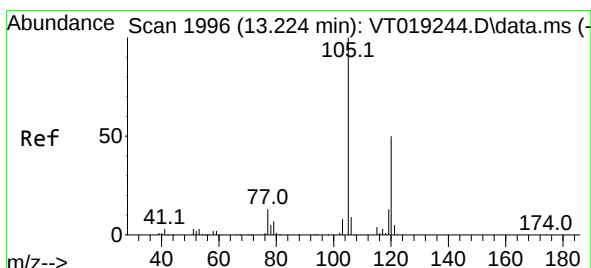
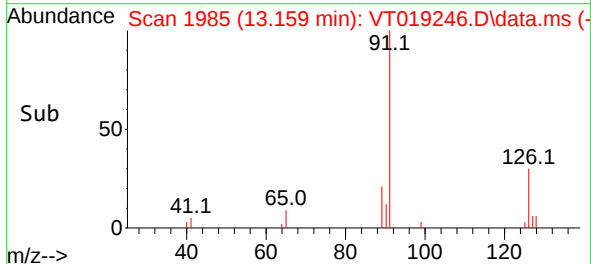
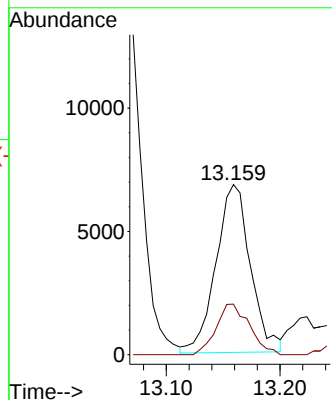
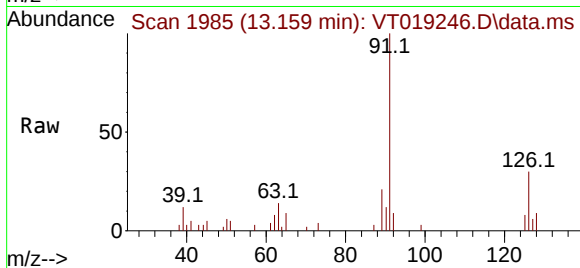
VIBLK

Tgt Ion: 91 Resp: 14364

Ion Ratio Lower Upper

91 100

126 29.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 1.719 ug/l

RT: 13.218 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VT019246.D

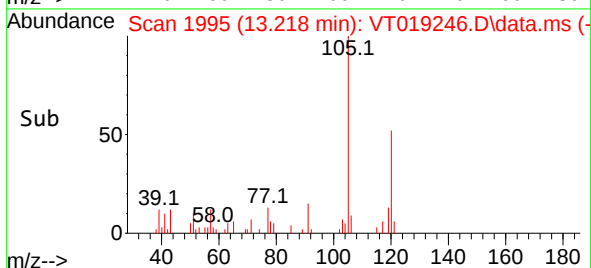
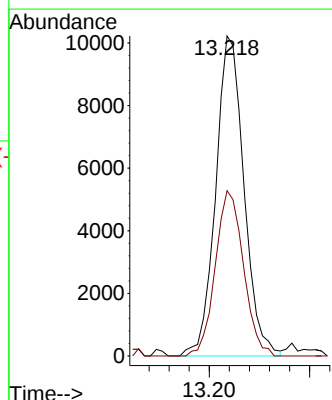
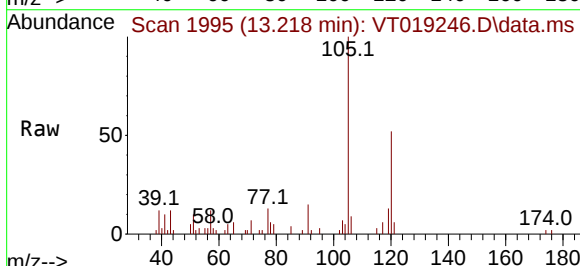
Acq: 8 Dec 2025 13:11

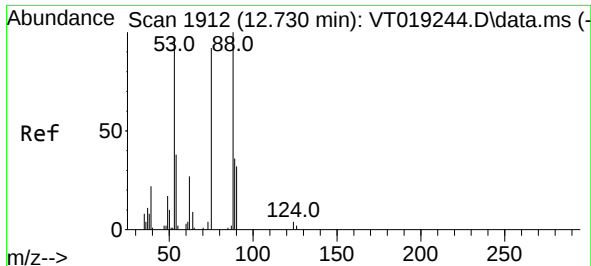
Tgt Ion: 105 Resp: 19979

Ion Ratio Lower Upper

105 100

120 51.3 25.1 75.2

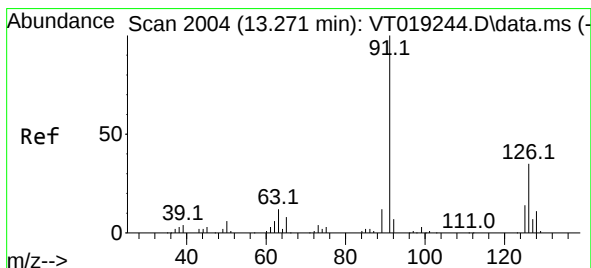
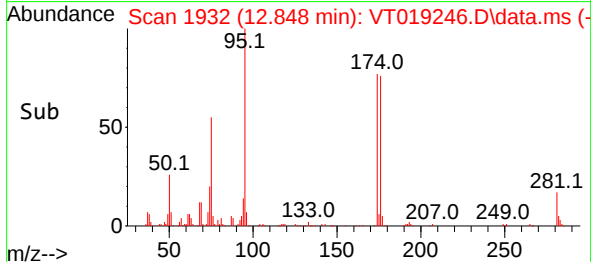
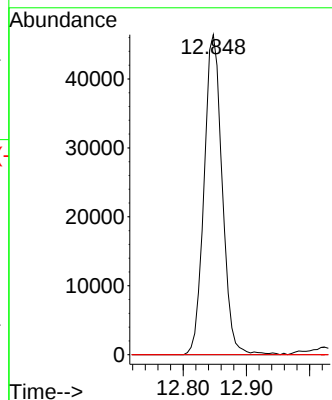
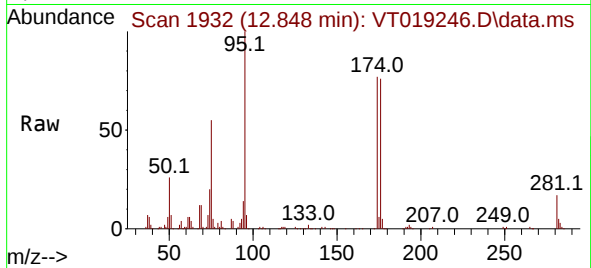




#81
trans-1,4-Dichloro-2-butene
Concen: 131.216 ug/l
RT: 12.848 min Scan# 1912
Delta R.T. 0.117 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

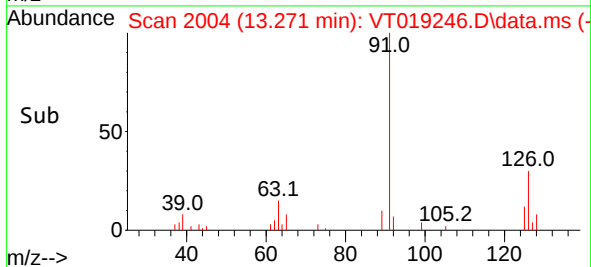
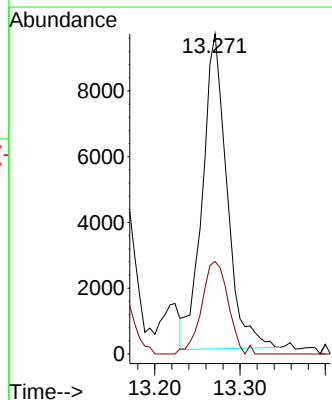
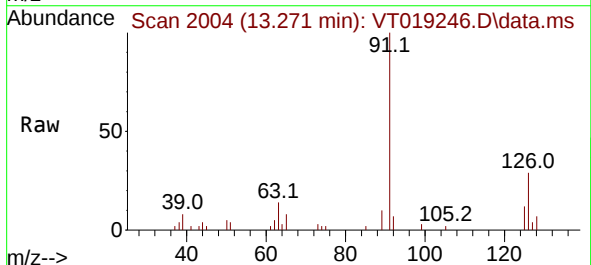
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

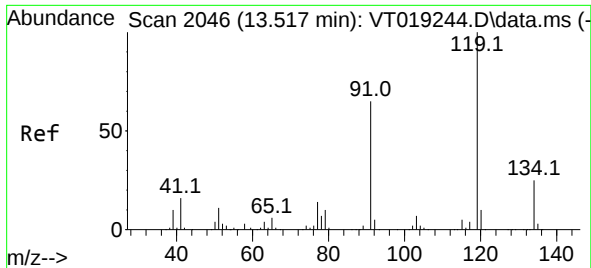
Tgt Ion: 75 Resp: 92296
Ion Ratio Lower Upper
75 100
53 0.0 83.3 124.9#
89 0.0 35.0 52.6#



#82
4-Chlorotoluene
Concen: 1.840 ug/l
RT: 13.271 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion: 91 Resp: 19210
Ion Ratio Lower Upper
91 100
126 31.2 16.4 49.2

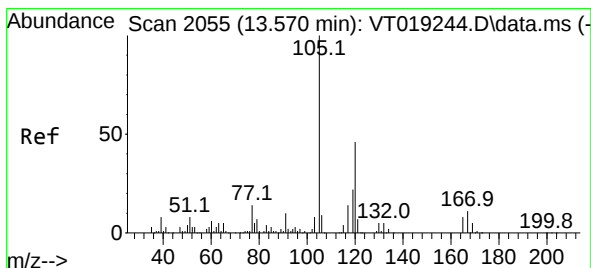
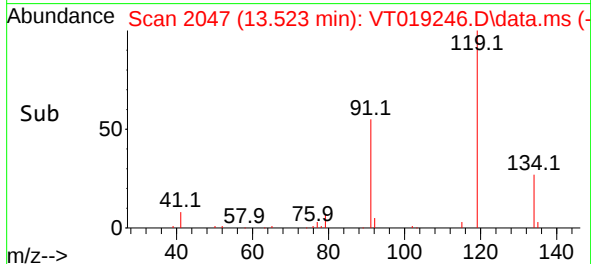
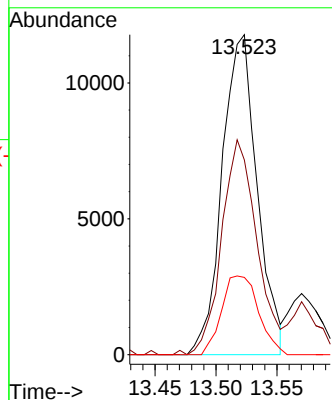
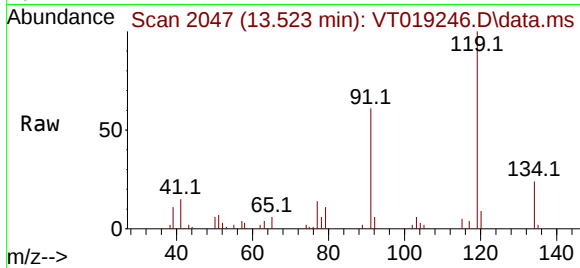




#83
tert-Butylbenzene
Concen: 2.256 ug/l
RT: 13.523 min Scan# 2047
Delta R.T. 0.006 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

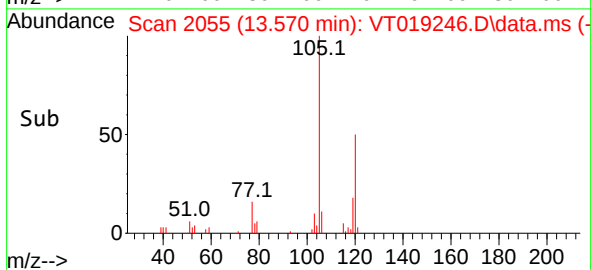
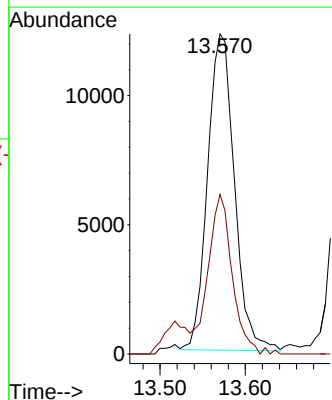
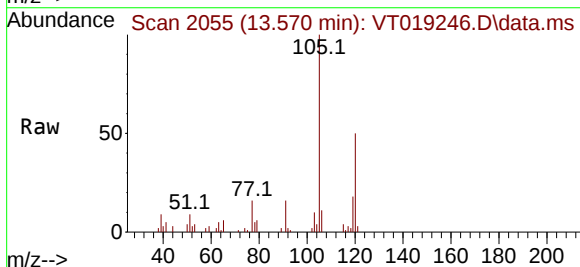
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

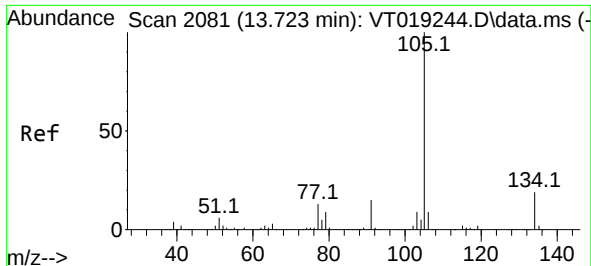
Tgt Ion:119 Resp: 23540
Ion Ratio Lower Upper
119 100
91 67.6 31.7 95.1
134 25.9 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 2.277 ug/l
RT: 13.570 min Scan# 2055
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion:105 Resp: 26808
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.0

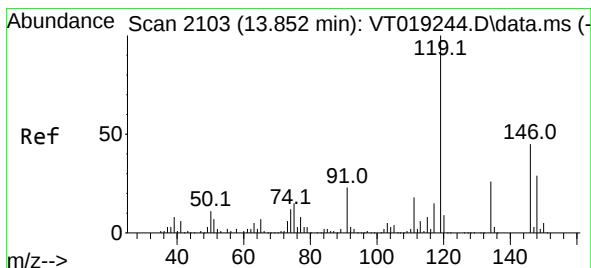
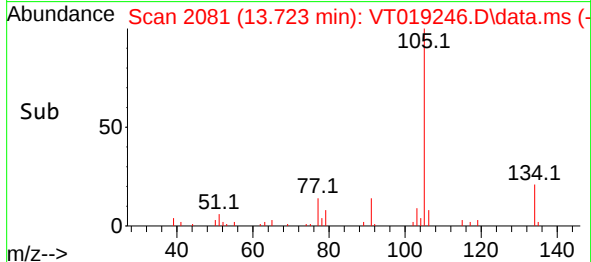
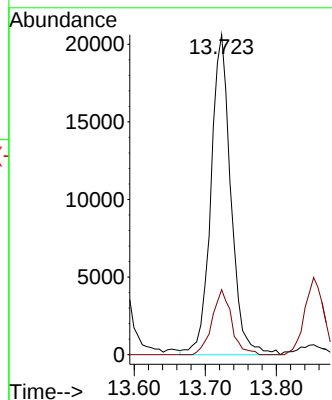
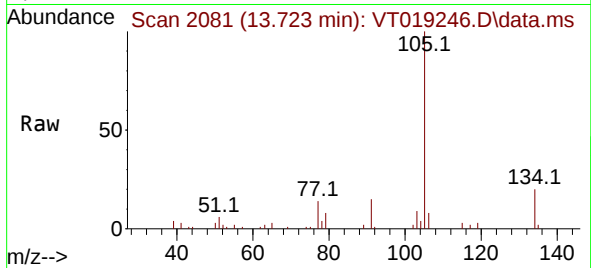




#85
 sec-Butylbenzene
 Concen: 2.566 ug/l
 RT: 13.723 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VT019246.D
 Acq: 8 Dec 2025 13:11

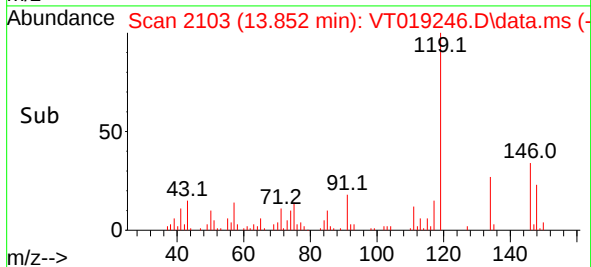
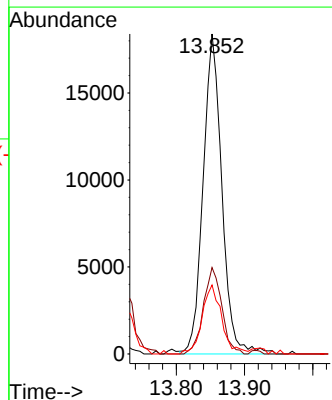
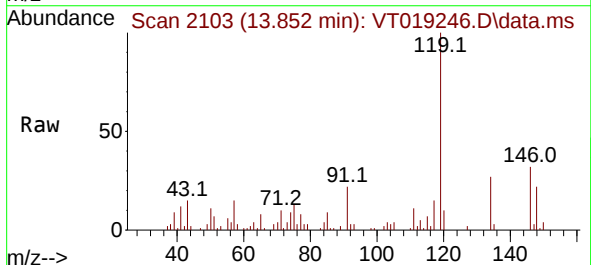
Instrument :
 MSVOA_T
 ClientSampleId :
 VIBLK

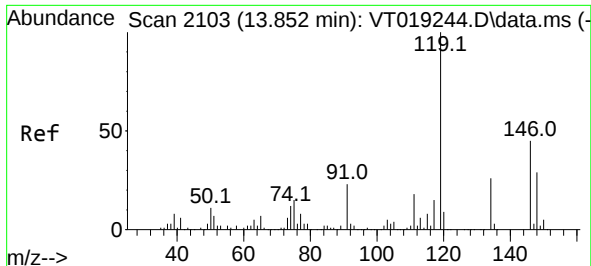
Tgt Ion:105 Resp: 40287
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 2.660 ug/l
 RT: 13.852 min Scan# 2103
 Delta R.T. -0.000 min
 Lab File: VT019246.D
 Acq: 8 Dec 2025 13:11

Tgt Ion:119 Resp: 35223
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 22.4 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 1.994 ug/l

RT: 13.852 min Scan# 2103

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

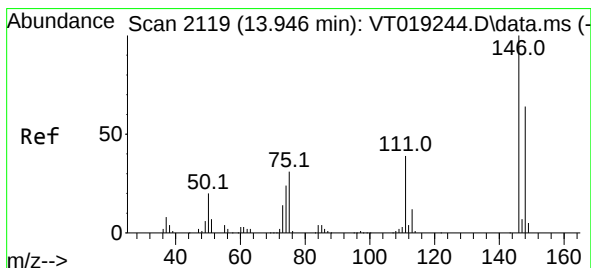
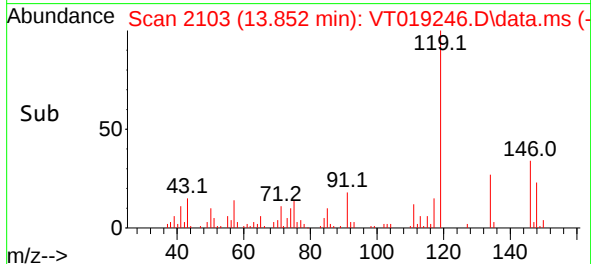
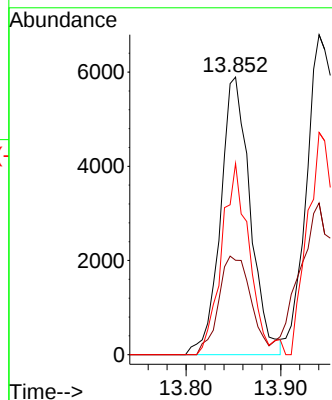
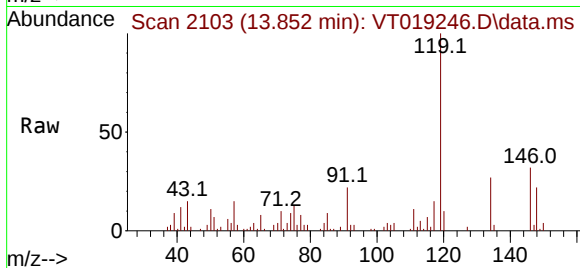
Tgt Ion:146 Resp: 12841

Ion Ratio Lower Upper

146 100

111 38.4 19.5 58.5

148 64.1 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 2.470 ug/l

RT: 13.940 min Scan# 2118

Delta R.T. -0.006 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

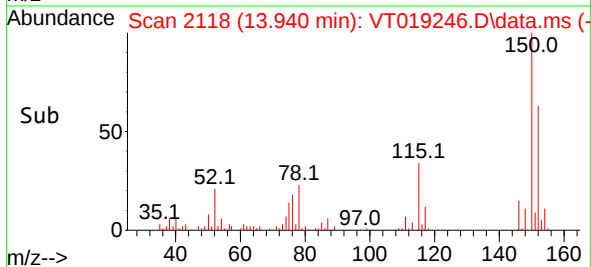
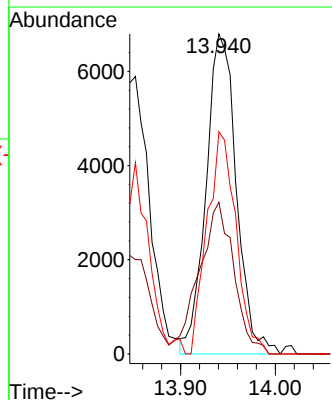
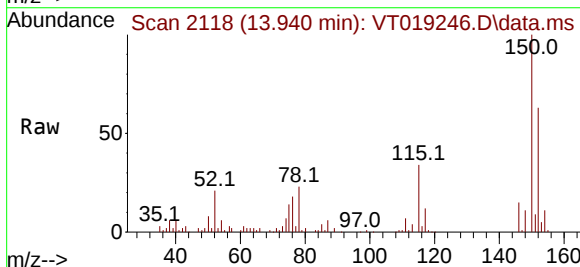
Tgt Ion:146 Resp: 15113

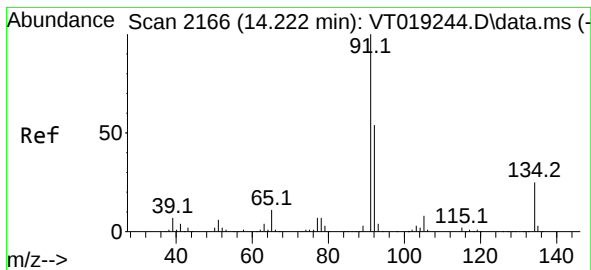
Ion Ratio Lower Upper

146 100

111 54.3 19.4 58.2

148 66.1 32.1 96.3





#89

n-Butylbenzene

Concen: 3.950 ug/l

RT: 14.222 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

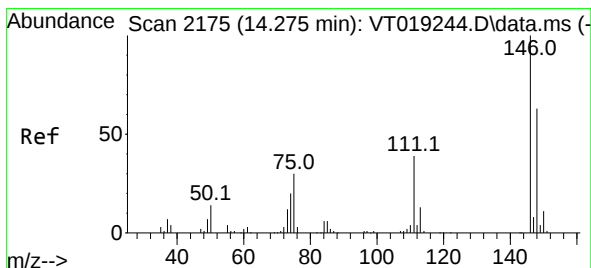
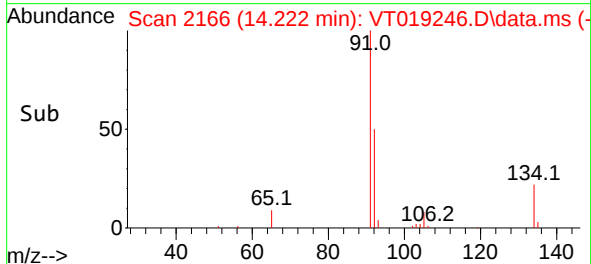
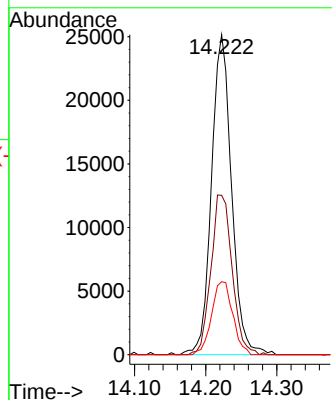
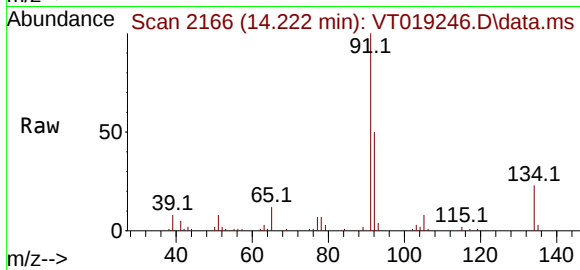
Tgt Ion: 91 Resp: 49307

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.2

134 24.0 12.3 36.8



#91

1,2-Dichlorobenzene

Concen: 2.439 ug/l

RT: 14.275 min Scan# 2175

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

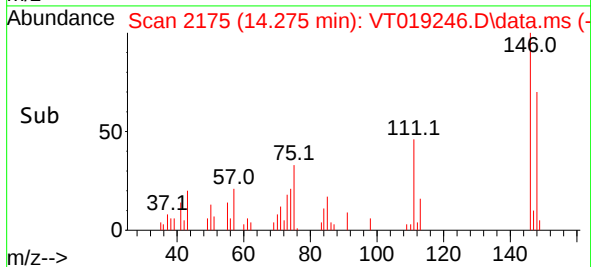
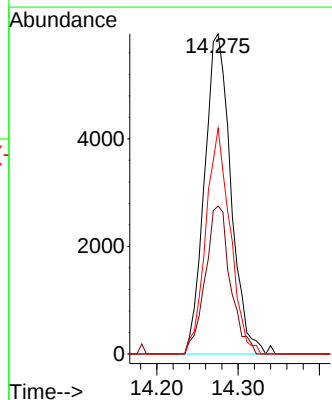
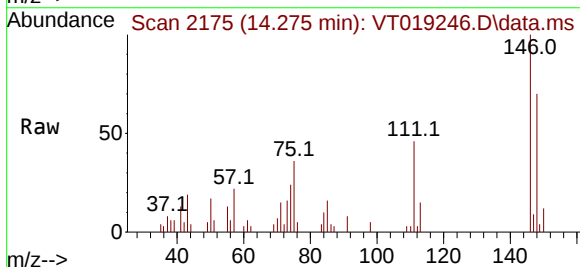
Tgt Ion:146 Resp: 13441

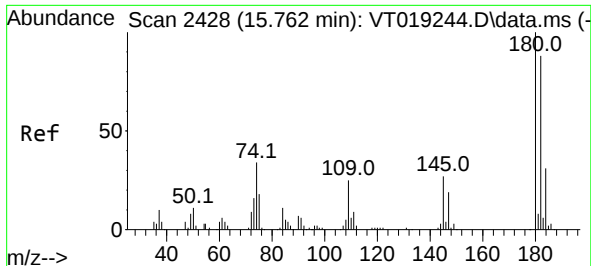
Ion Ratio Lower Upper

146 100

111 43.9 20.2 60.5

148 65.0 31.8 95.3

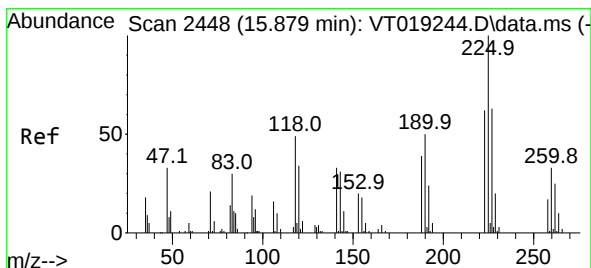
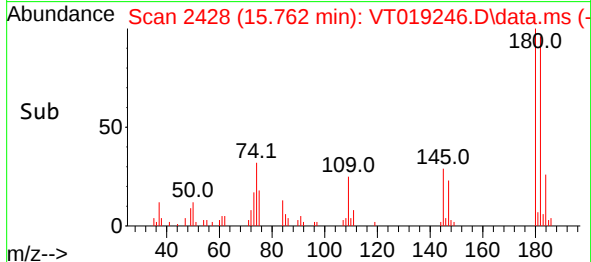
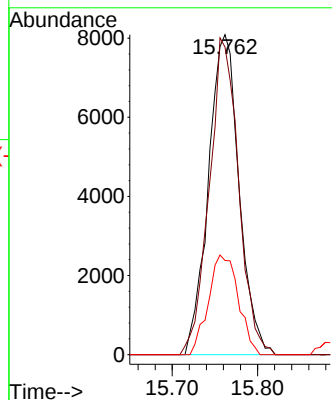
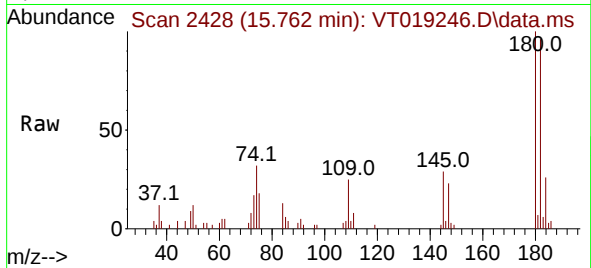




#93
1,2,4-Trichlorobenzene
Concen: 5.575 ug/l
RT: 15.762 min Scan# 2428
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

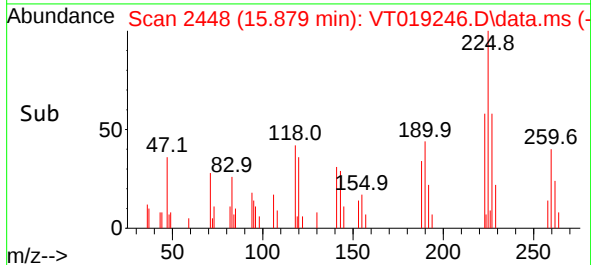
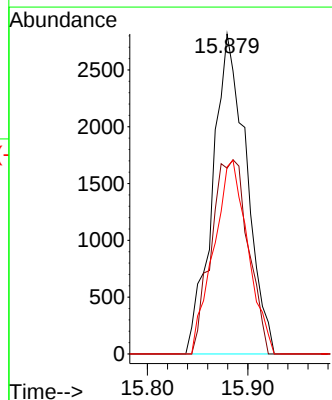
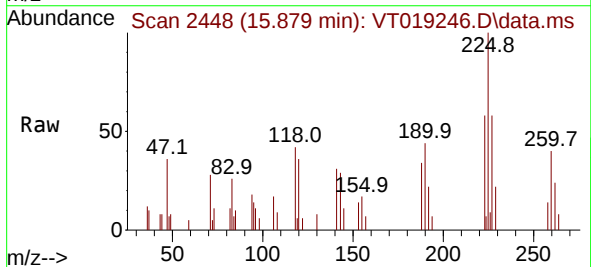
Instrument :
MSVOA_T
ClientSampleId :
VIBLK

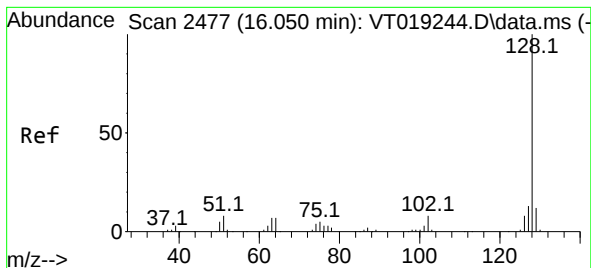
Tgt Ion:180 Resp: 20174
Ion Ratio Lower Upper
180 100
182 94.8 46.6 139.8
145 30.4 14.7 44.1



#94
Hexachlorobutadiene
Concen: 3.565 ug/l
RT: 15.879 min Scan# 2448
Delta R.T. -0.000 min
Lab File: VT019246.D
Acq: 8 Dec 2025 13:11

Tgt Ion:225 Resp: 6607
Ion Ratio Lower Upper
225 100
223 66.2 32.1 96.5
227 61.3 31.6 95.0





#95

Naphthalene

Concen: 12.577 ug/l

RT: 16.050 min Scan# 2477

Delta R.T. -0.000 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Instrument :

MSVOA_T

ClientSampleId :

VIBLK

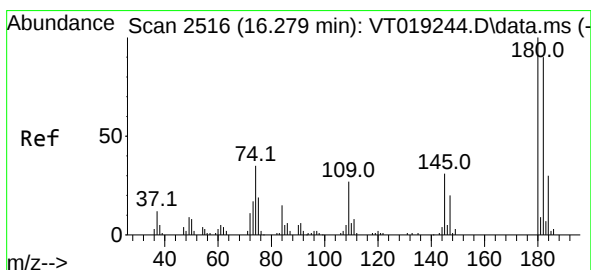
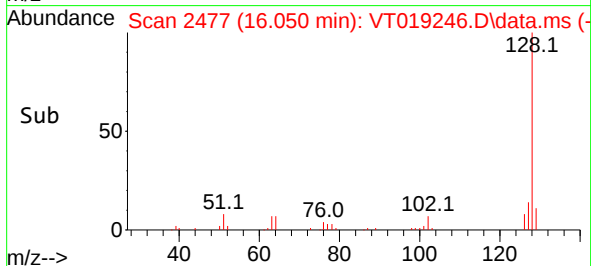
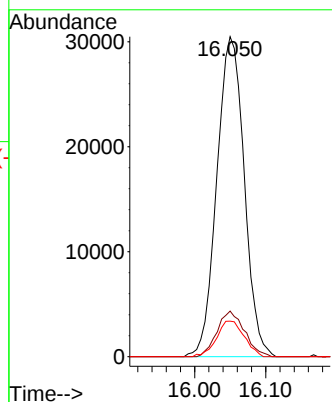
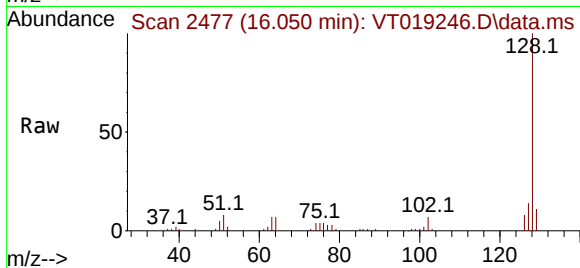
Tgt Ion:128 Resp: 81485

Ion Ratio Lower Upper

128 100

127 14.3 11.0 16.4

129 11.2 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 6.721 ug/l

RT: 16.285 min Scan# 2517

Delta R.T. 0.006 min

Lab File: VT019246.D

Acq: 8 Dec 2025 13:11

Tgt Ion:180 Resp: 20796

Ion Ratio Lower Upper

180 100

182 93.3 47.9 143.8

145 33.0 15.7 47.1

