

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102925\
 Data File : VT019200.D
 Acq On : 29 Oct 2025 13:33
 Operator : SY/MD
 Sample : VT1029WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1029WBL01

Quant Time: Oct 30 08:46:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 08:43:44 2025
 Response via : Initial Calibration

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

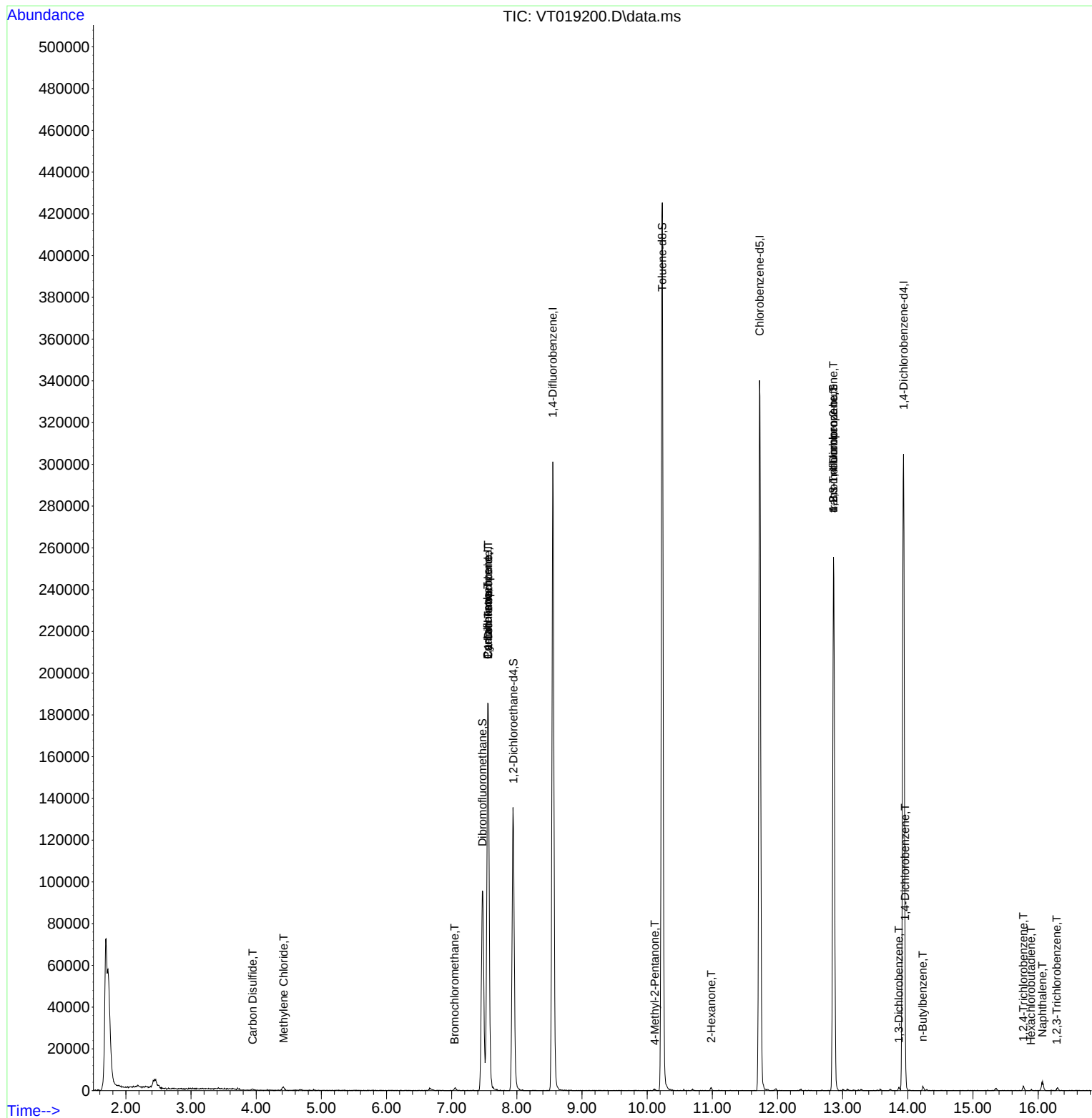
Internal Standards						
1) Pentafluorobenzene	7.554	168	155792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.552	114	272779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.725	117	213170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.934	152	95814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	113730	45.385	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.760%	
35) Dibromofluoromethane	7.471	113	77305	44.808	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.620%	
50) Toluene-d8	10.233	98	312153	44.555	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.100%	
62) 4-Bromofluorobenzene	12.859	95	98746	44.833	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.717	43	1163	Below Cal	#	45
17) Carbon Disulfide	3.946	76	930	0.456	ug/l #	75
20) Methylene Chloride	4.422	84	1145	0.683	ug/l #	79
28) Bromochloromethane	7.042	49	1261	0.718	ug/l #	88
31) Cyclohexane	7.554	56	4132	1.690	ug/l #	15
36) 1,1-Dichloropropene	7.559	75	13588	7.002	ug/l #	50
38) Carbon Tetrachloride	7.559	117	15459	8.761	ug/l #	15
51) 4-Methyl-2-Pentanone	10.115	43	930	0.294	ug/l #	37
59) 2-Hexanone	10.985	43	1330	0.555	ug/l	91
76) 1,2,3-Trichloropropane	12.859	75	55987	28.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.859	75	55987	66.626	ug/l #	7
87) 1,3-Dichlorobenzene	13.864	146	865	0.301	ug/l #	62
88) 1,4-Dichlorobenzene	13.958	146	1036	0.358	ug/l #	1
89) n-Butylbenzene	14.228	91	1755	0.316	ug/l #	85
93) 1,2,4-Trichlorobenzene	15.774	180	1413	0.781	ug/l #	86
94) Hexachlorobutadiene	15.891	225	414	0.555	ug/l #	46
95) Naphthalene	16.067	128	6544	1.033	ug/l #	90
96) 1,2,3-Trichlorobenzene	16.285	180	853	0.478	ug/l #	58

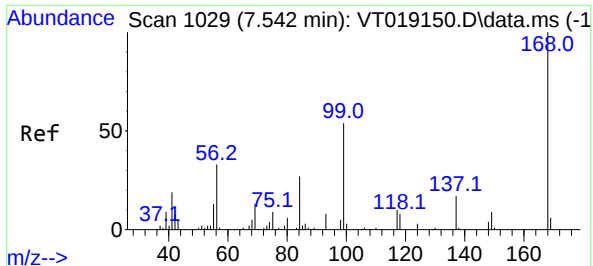
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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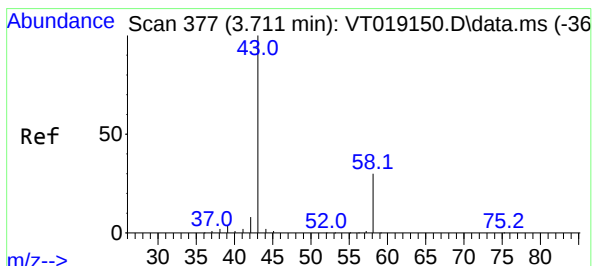
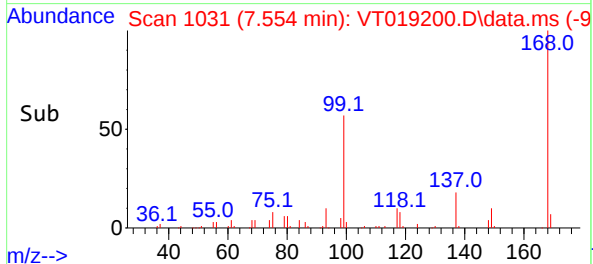
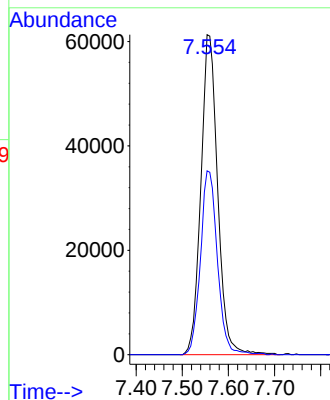
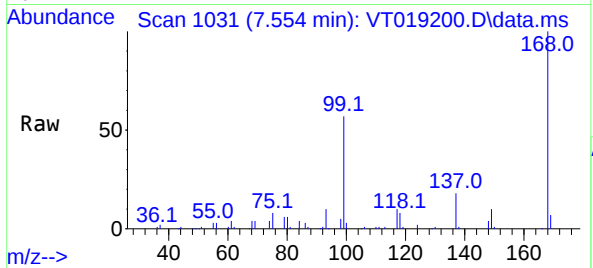




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.554 min Scan# 10
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

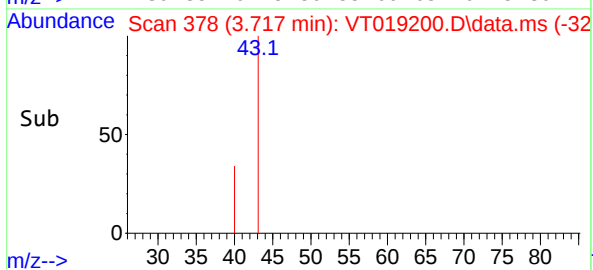
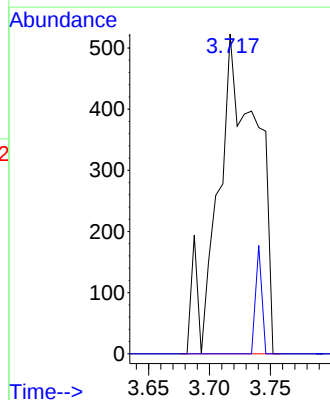
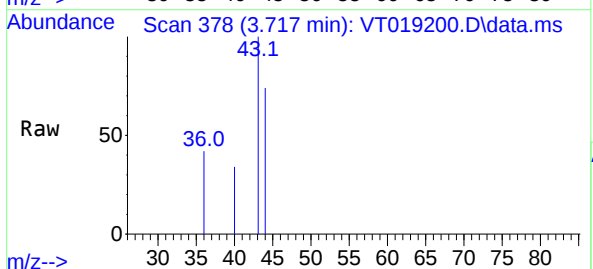
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

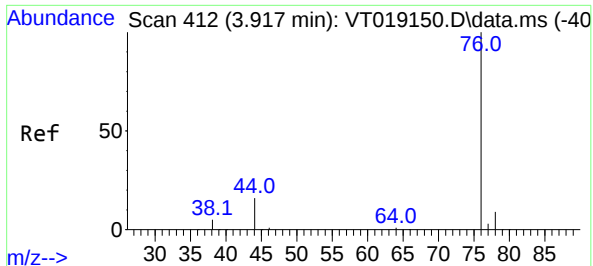
Tgt Ion:168 Resp: 155792
Ion Ratio Lower Upper
168 100
99 57.5 46.6 70.0



#16
Acetone
Concen: Below Cal
RT: 3.717 min Scan# 378
Delta R.T. -0.000 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.456 ug/l

RT: 3.946 min Scan# 41

Delta R.T. 0.012 min

Lab File: VT019200.D

Acq: 29 Oct 2025 13:33

Instrument :

MSVOA_T

ClientSampleId :

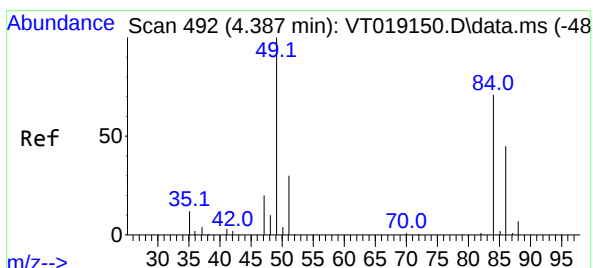
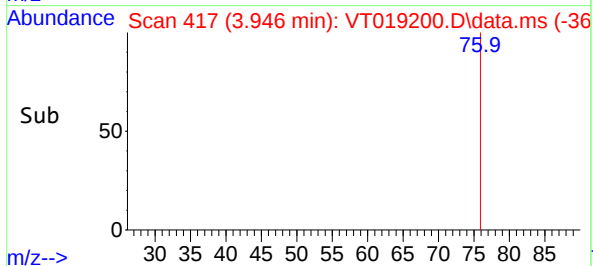
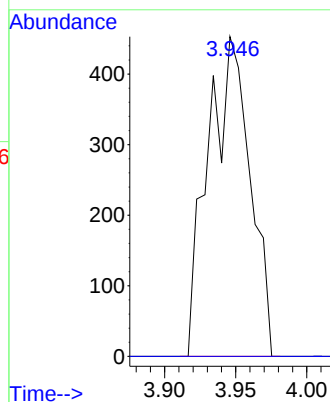
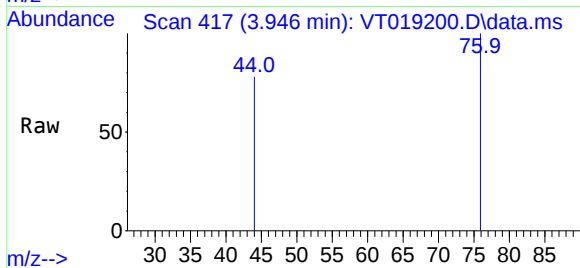
VT1029WBL01

Tgt Ion: 76 Resp: 930

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#20

Methylene Chloride

Concen: 0.683 ug/l

RT: 4.422 min Scan# 498

Delta R.T. 0.024 min

Lab File: VT019200.D

Acq: 29 Oct 2025 13:33

Tgt Ion: 84 Resp: 1145

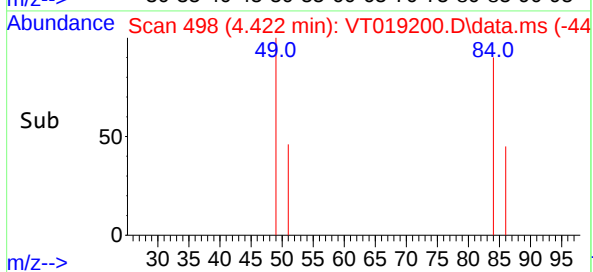
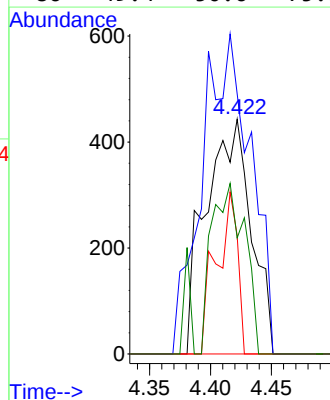
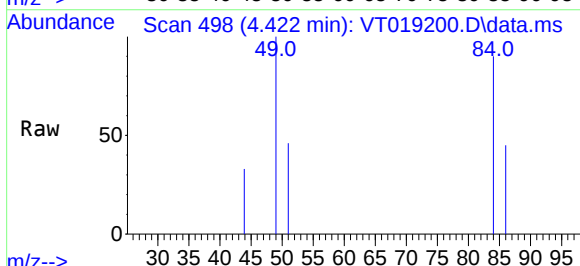
Ion Ratio Lower Upper

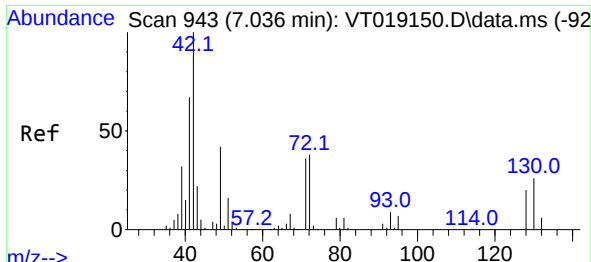
84 100

49 110.8 113.1 169.7#

51 50.6 33.6 50.4#

86 49.4 50.6 75.8#

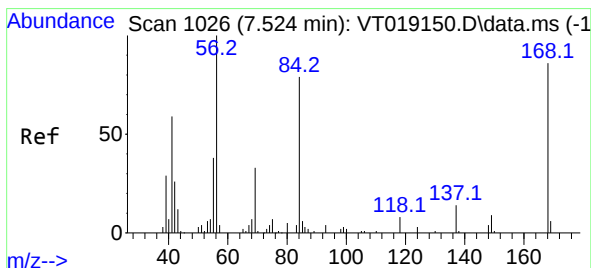
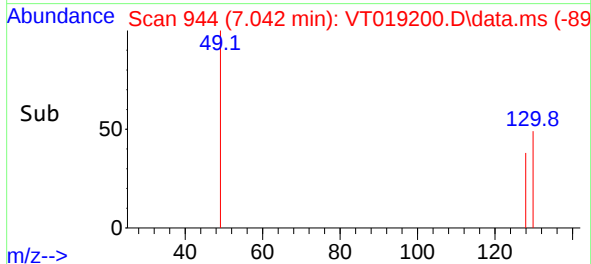
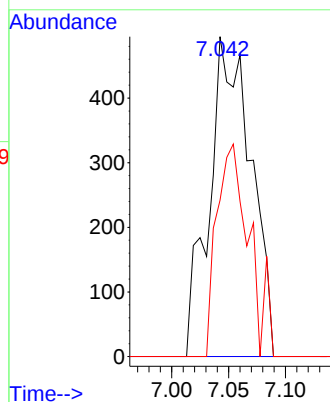
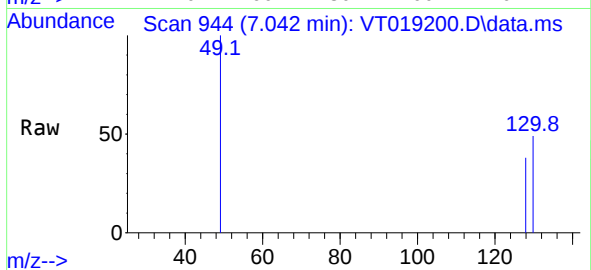




#28
Bromochloromethane
Concen: 0.718 ug/l
RT: 7.042 min Scan# 94
Delta R.T. 0.000 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

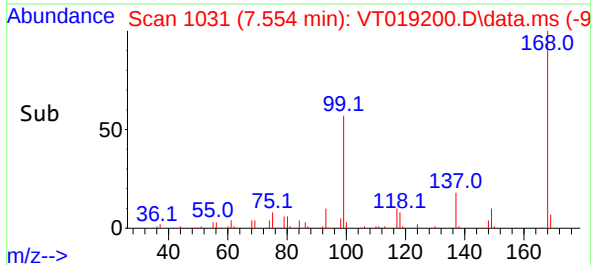
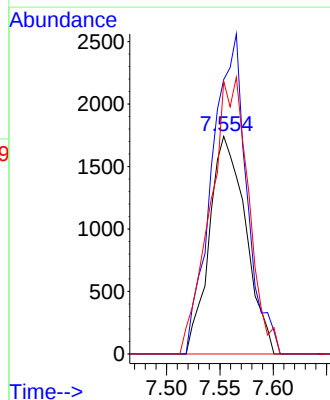
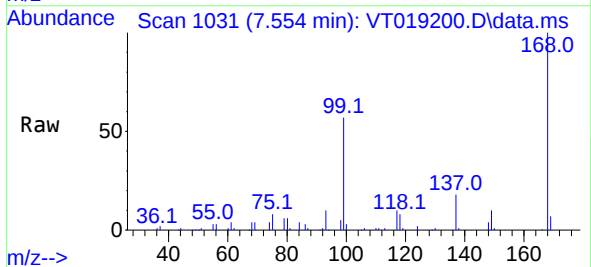
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

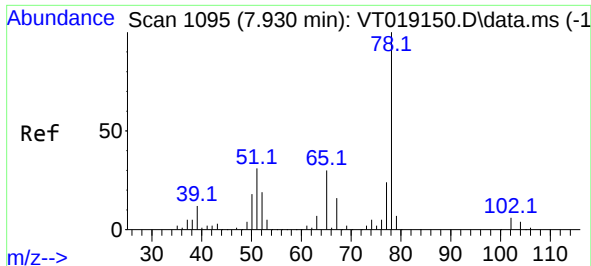
Tgt Ion: 49 Resp: 1261
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 51.7 48.6 73.0



#31
Cyclohexane
Concen: 1.690 ug/l
RT: 7.554 min Scan# 1031
Delta R.T. 0.018 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 56 Resp: 4132
Ion Ratio Lower Upper
56 100
69 126.1 26.1 39.1#
84 125.3 63.6 95.4#

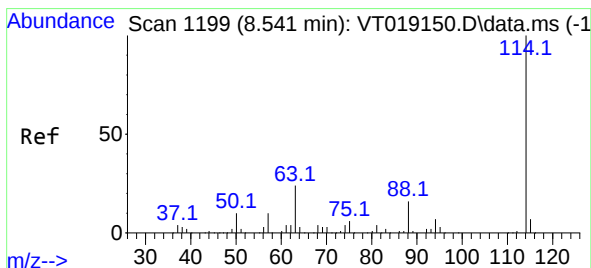
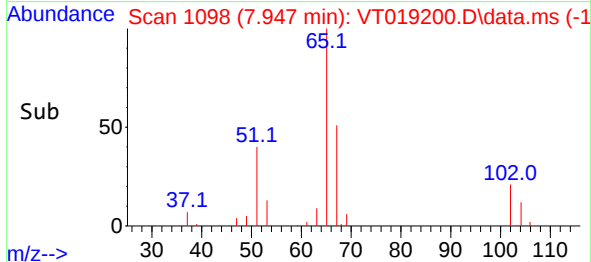
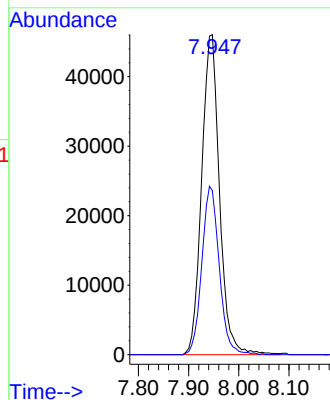
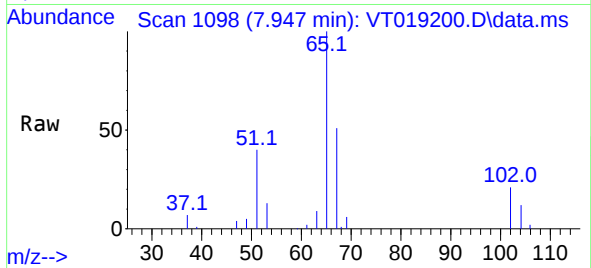




#33
 1,2-Dichloroethane-d4
 Concen: 45.385 ug/l
 RT: 7.947 min Scan# 110
 Delta R.T. 0.012 min
 Lab File: VT019200.D
 Acq: 29 Oct 2025 13:33

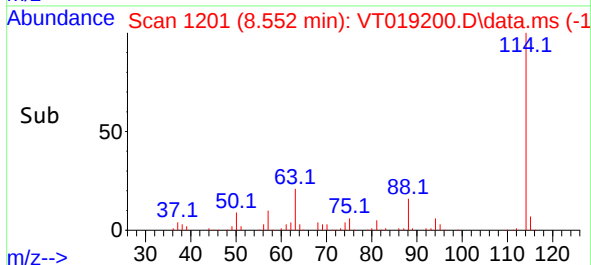
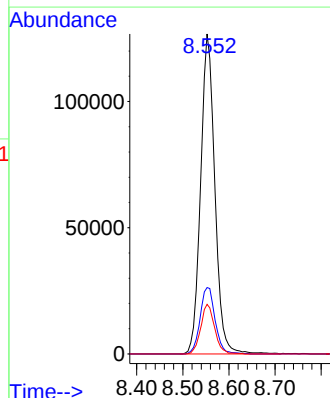
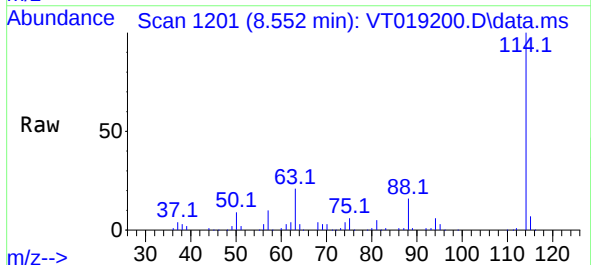
Instrument :
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 ClientSampleId :
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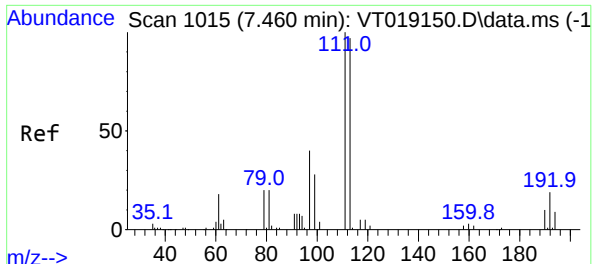
Tgt Ion: 65 Resp: 113730
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.552 min Scan# 1201
 Delta R.T. 0.005 min
 Lab File: VT019200.D
 Acq: 29 Oct 2025 13:33

Tgt Ion: 114 Resp: 272779
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 47.2
 88 15.5 0.0 32.6

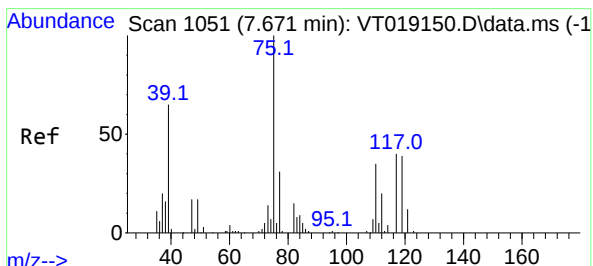
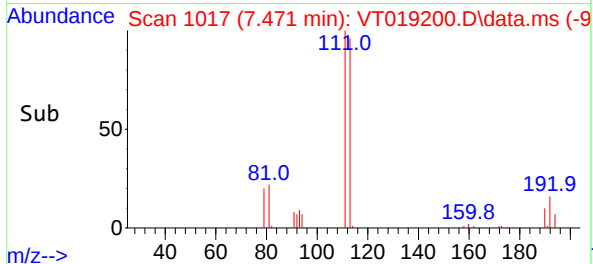
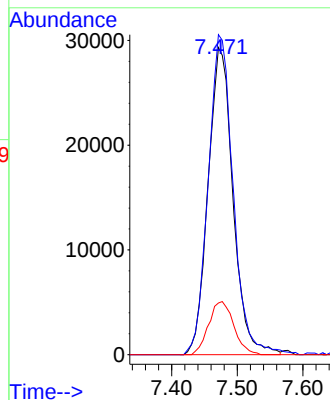
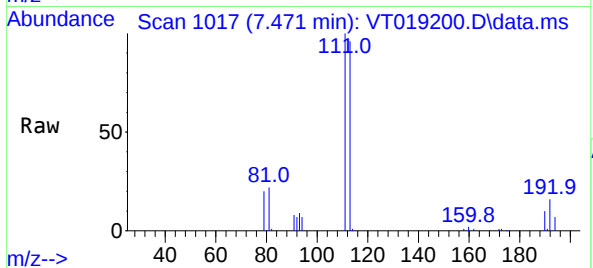




#35
Dibromofluoromethane
Concen: 44.808 ug/l
RT: 7.471 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

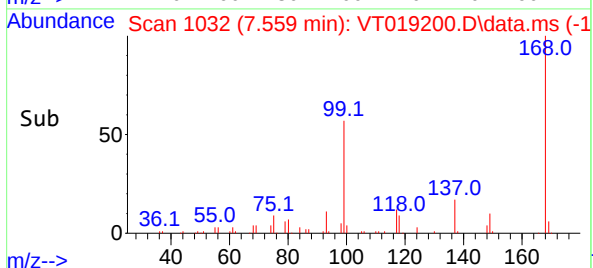
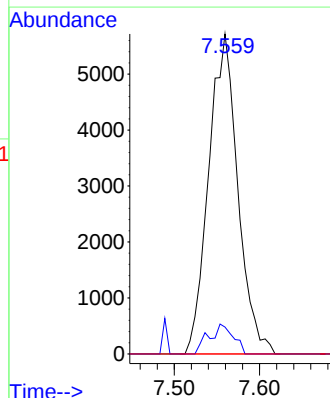
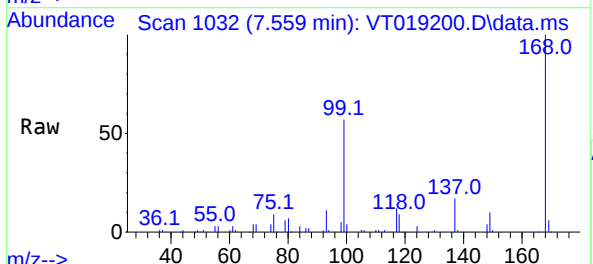
Instrument :
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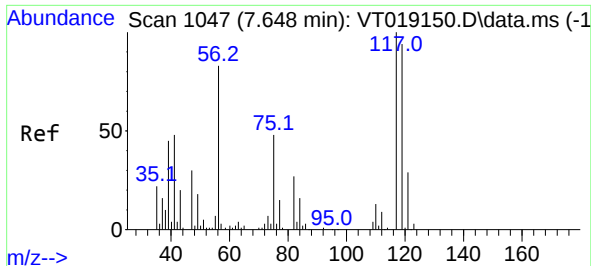
Tgt Ion:113 Resp: 77305
Ion Ratio Lower Upper
113 100
111 104.3 81.6 122.4
192 17.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 7.002 ug/l
RT: 7.559 min Scan# 1032
Delta R.T. -0.124 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

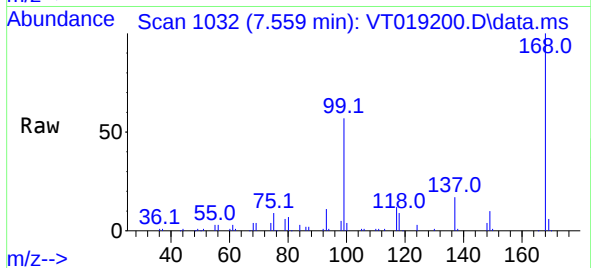
Tgt Ion: 75 Resp: 13588
Ion Ratio Lower Upper
75 100
110 7.8 16.1 48.2#
77 0.0 25.1 37.7#



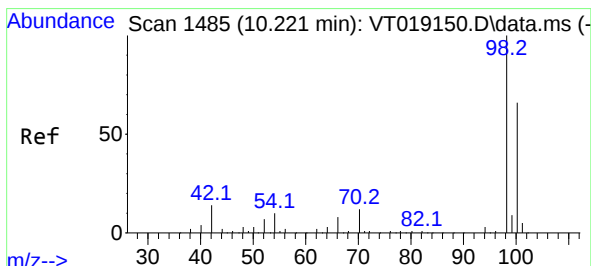
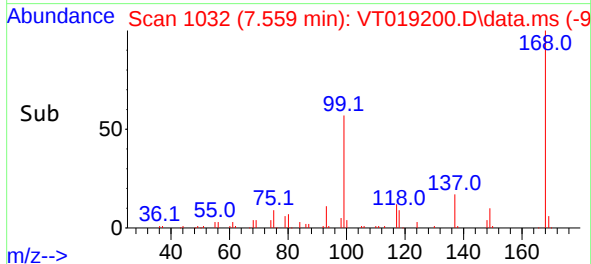
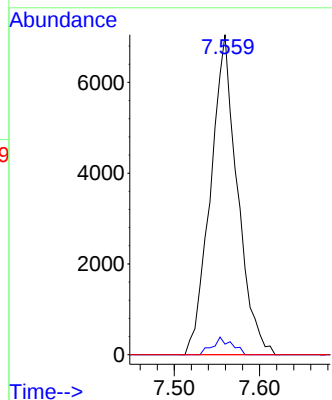


#38
Carbon Tetrachloride
Concen: 8.761 ug/l
RT: 7.559 min Scan# 1047
Delta R.T. -0.100 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

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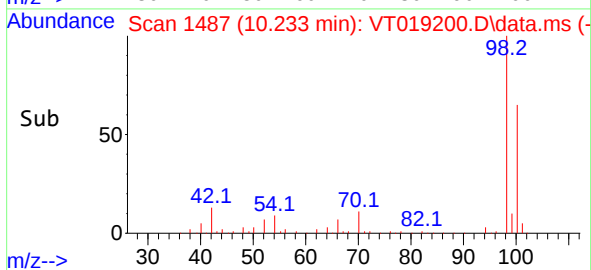
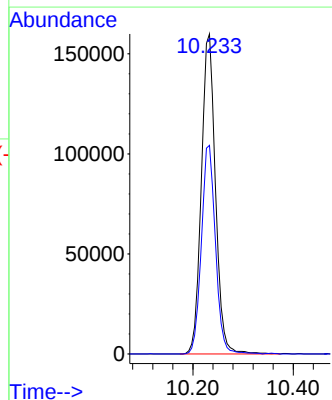
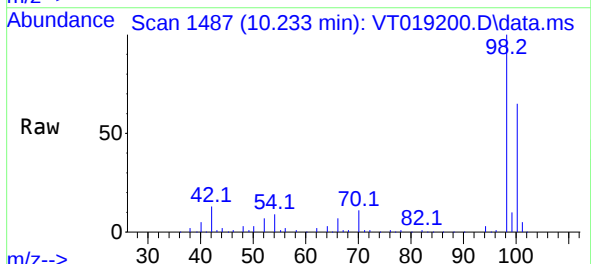


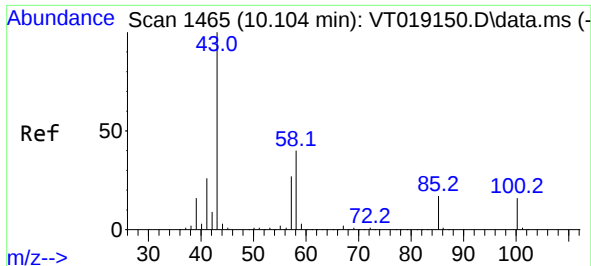
Tgt Ion:117 Resp: 15459
Ion Ratio Lower Upper
117 100
119 3.3 75.0 112.6#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 44.555 ug/l
RT: 10.233 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 98 Resp: 312153
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3

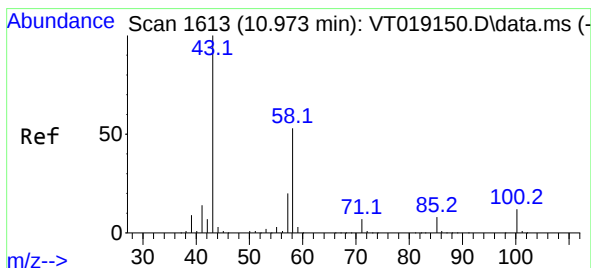
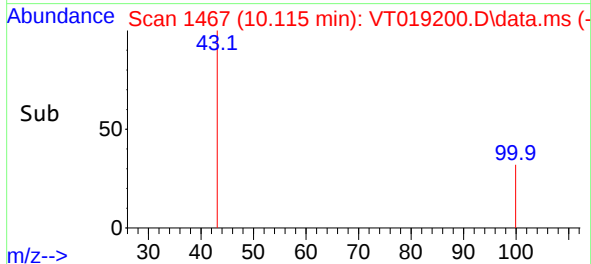
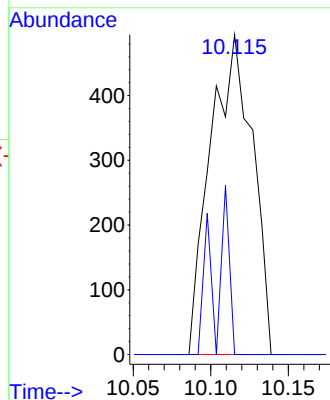
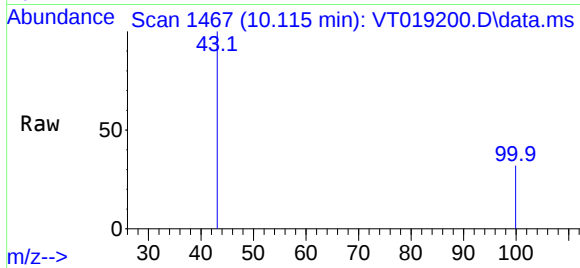




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.115 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

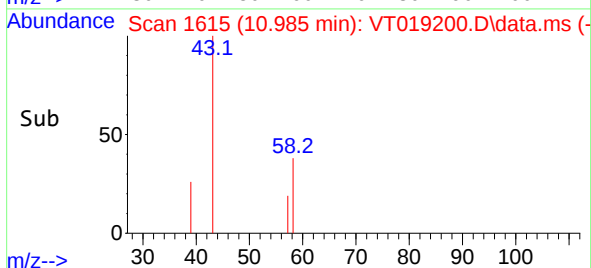
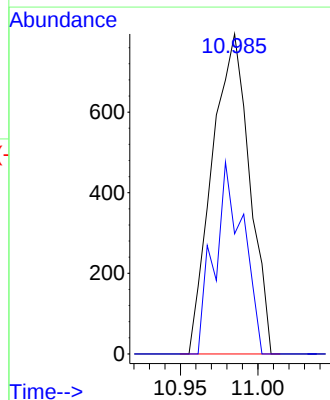
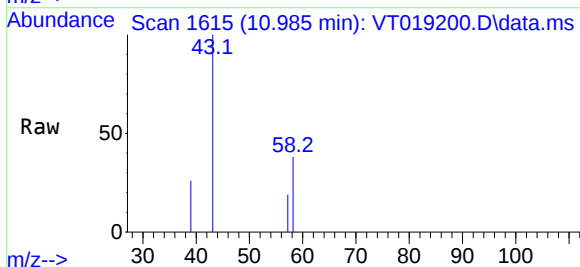
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

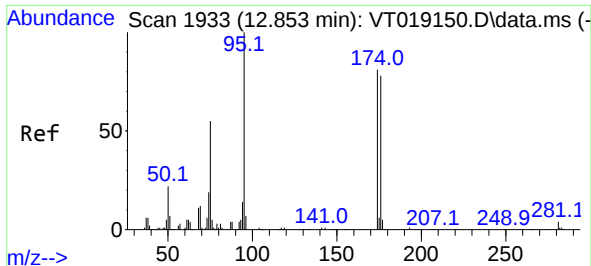
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#



#59
2-Hexanone
Concen: 0.555 ug/l
RT: 10.985 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
58 46.2 26.1 78.3

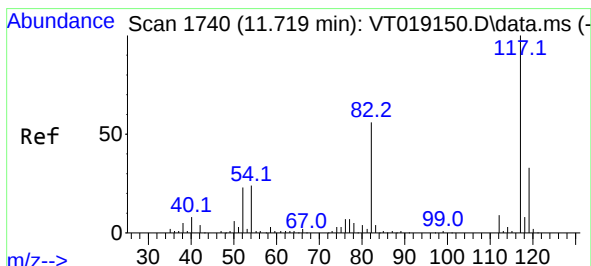
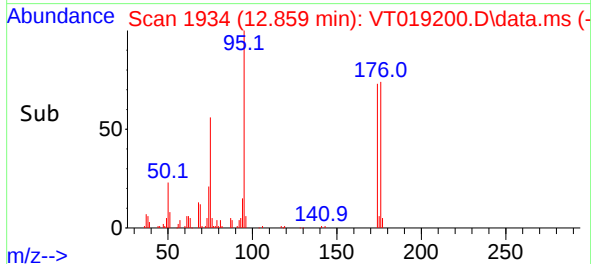
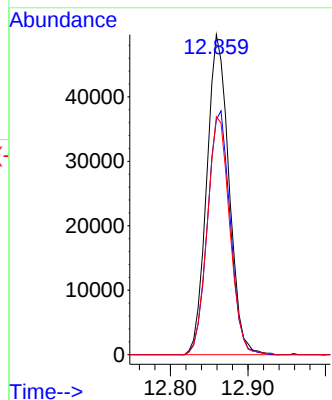
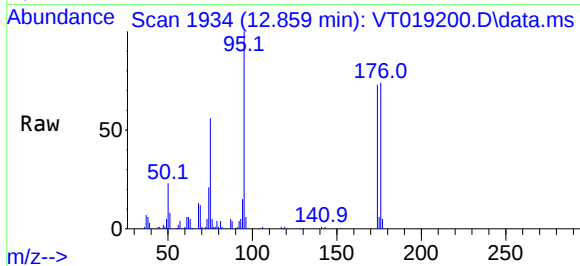




#62
4-Bromofluorobenzene
Concen: 44.833 ug/l
RT: 12.859 min Scan# 1933
Delta R.T. 0.000 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

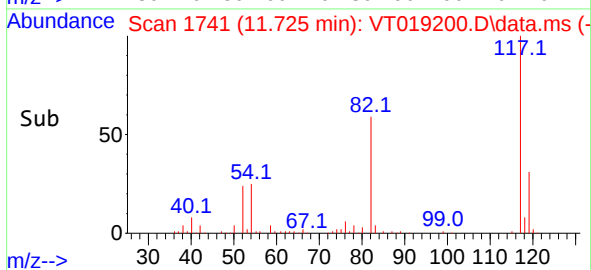
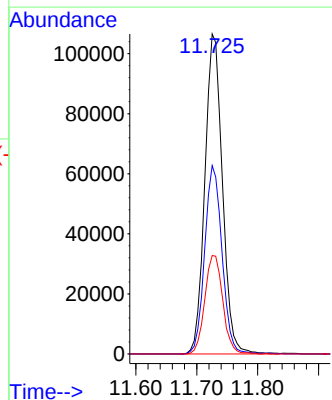
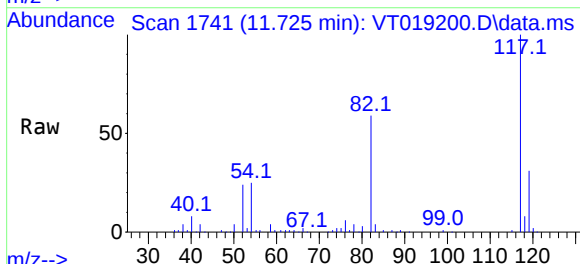
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

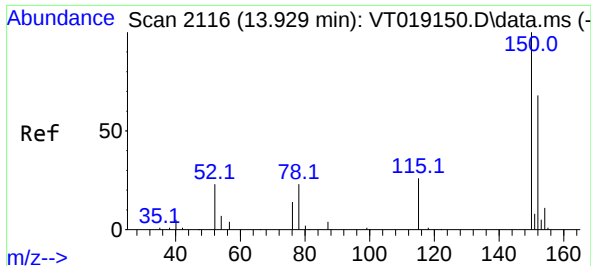
Tgt Ion:	95	Resp:	98746
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	160.6
176	75.3	0.0	156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.725 min Scan# 1741
Delta R.T. 0.000 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion:	117	Resp:	213170
Ion	Ratio	Lower	Upper
117	100		
82	58.8	45.1	67.7
119	30.8	26.6	40.0

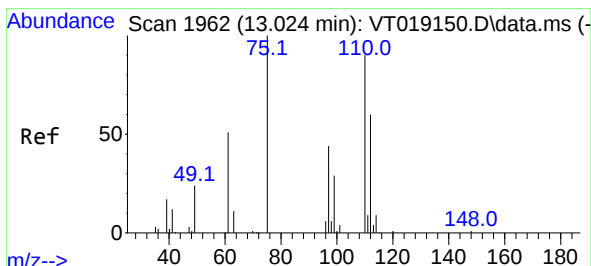
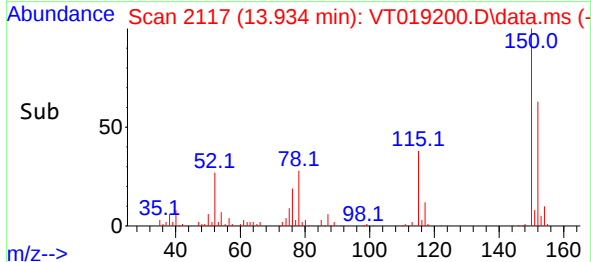
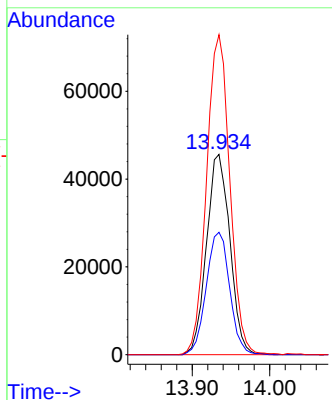
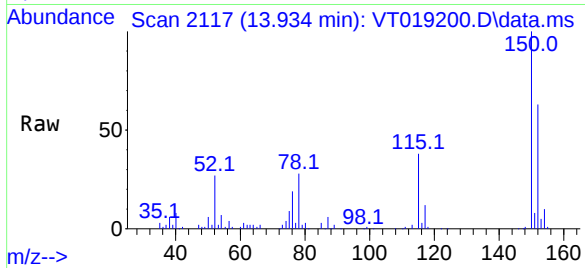




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.934 min Scan# 2116
Delta R.T. 0.005 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

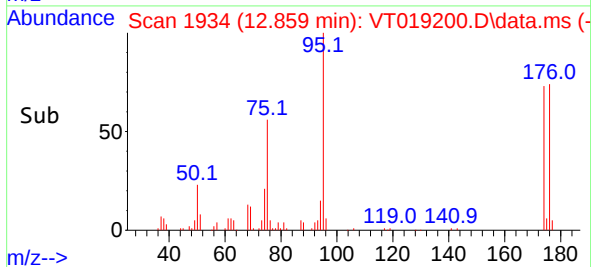
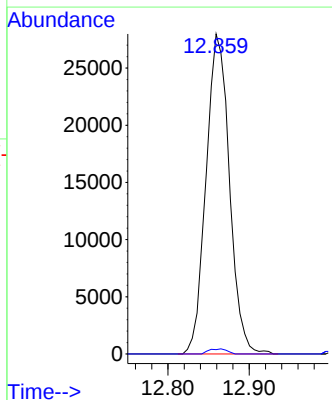
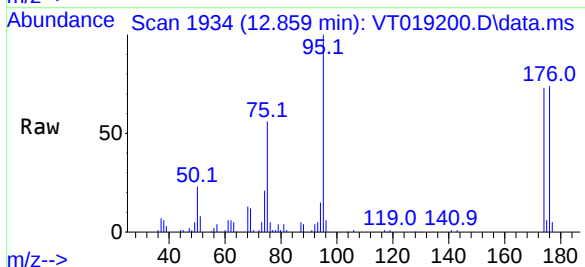
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

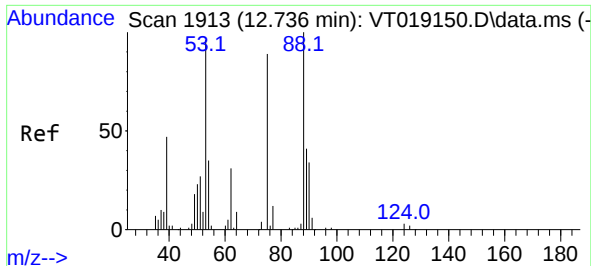
Tgt Ion:152 Resp: 95814
Ion Ratio Lower Upper
152 100
115 61.1 29.6 88.9
150 158.5 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 28.396 ug/l
RT: 12.859 min Scan# 1934
Delta R.T. -0.171 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 75 Resp: 55987
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

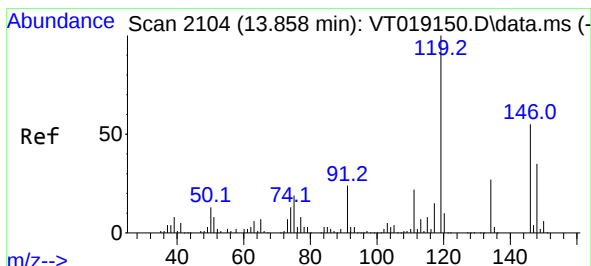
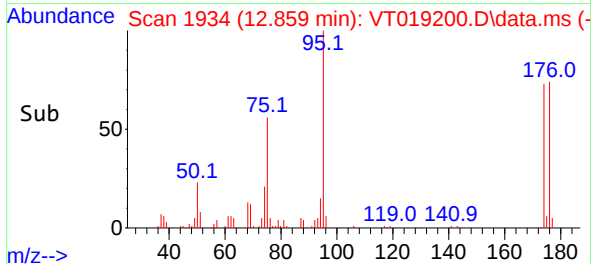
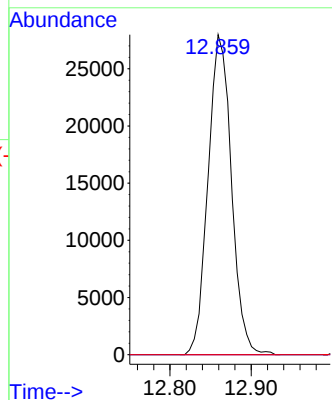
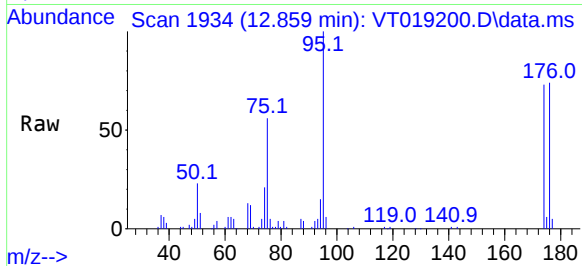




#81
trans-1,4-Dichloro-2-butene
Concen: 66.626 ug/l
RT: 12.859 min Scan# 1913
Delta R.T. 0.123 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

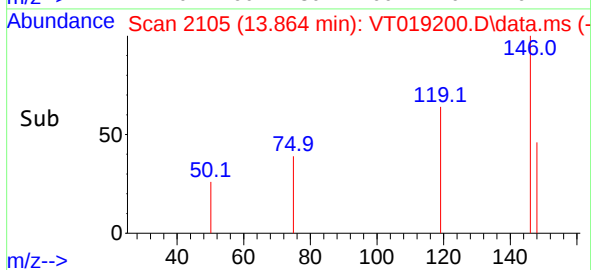
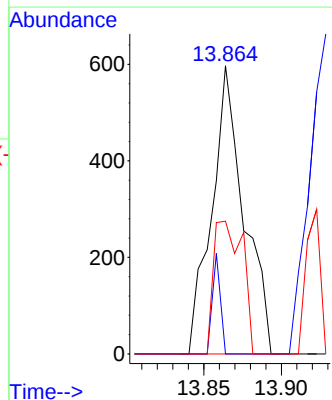
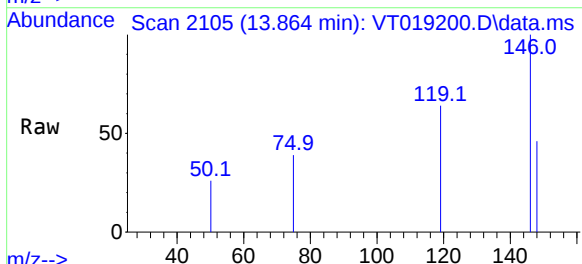
Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

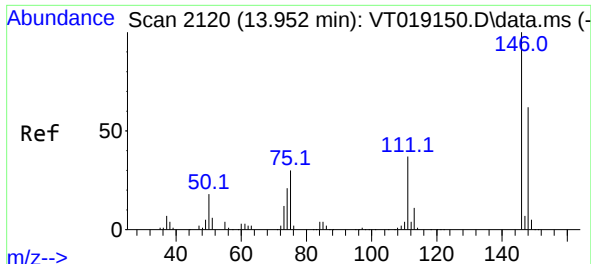
Tgt Ion: 75 Resp: 55987
Ion Ratio Lower Upper
75 100
53 0.0 86.0 129.0#
89 0.0 36.3 54.5#



#87
1,3-Dichlorobenzene
Concen: 0.301 ug/l
RT: 13.864 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

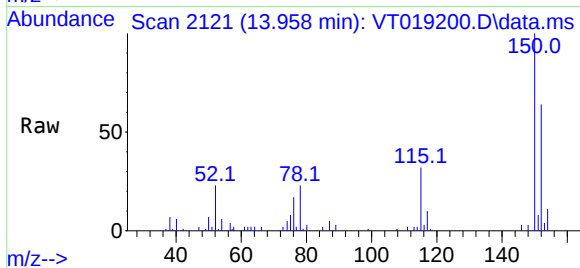
Tgt Ion:146 Resp: 865
Ion Ratio Lower Upper
146 100
111 8.4 20.3 60.9#
148 41.0 32.1 96.3



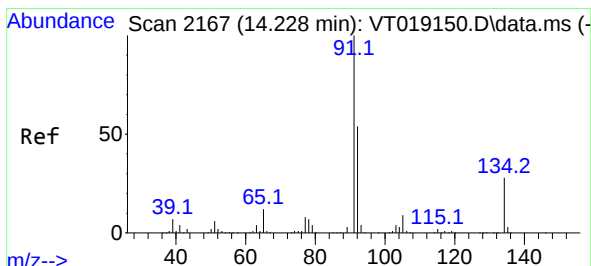
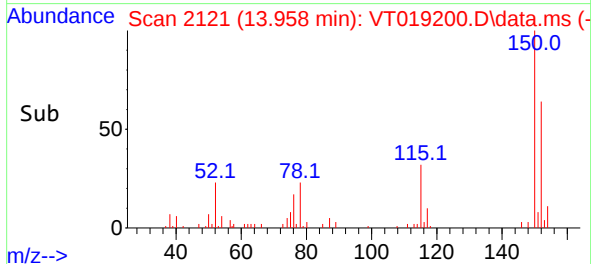
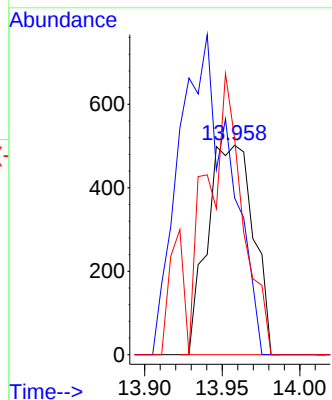


#88
1,4-Dichlorobenzene
Concen: 0.358 ug/l
RT: 13.958 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

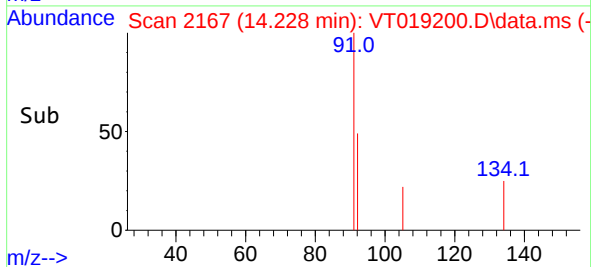
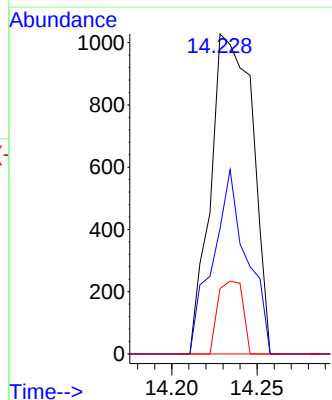
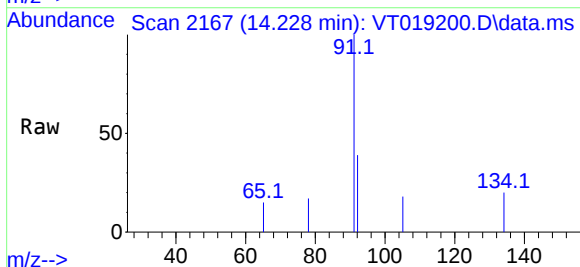


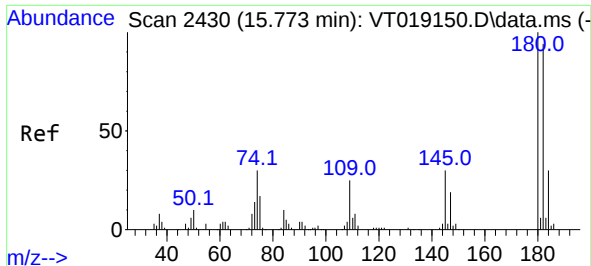
Tgt Ion:146 Resp: 1036
Ion Ratio Lower Upper
146 100
111 168.6 19.3 57.8#
148 103.5 31.8 95.4#



#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 14.228 min Scan# 2167
Delta R.T. -0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

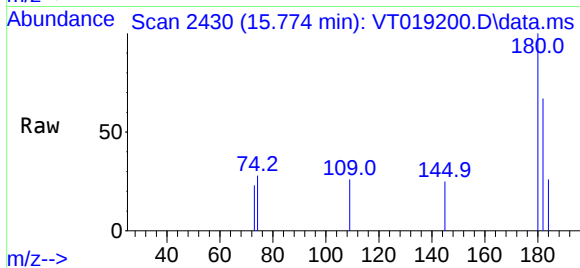
Tgt Ion: 91 Resp: 1755
Ion Ratio Lower Upper
91 100
92 47.0 27.1 81.2
134 13.5 13.7 41.0#



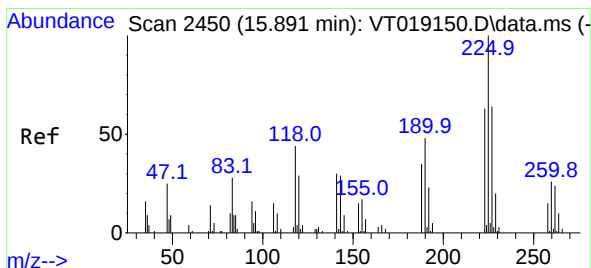
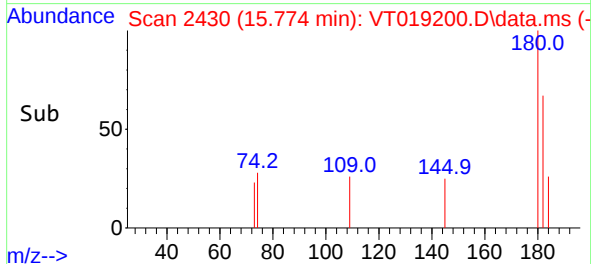
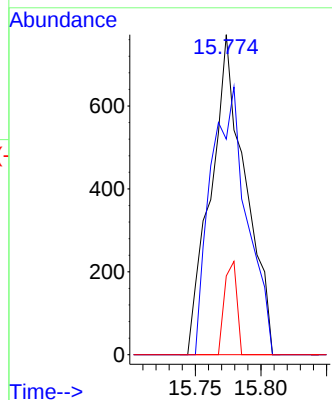


#93
1,2,4-Trichlorobenzene
Concen: 0.781 ug/l
RT: 15.774 min Scan# 2430
Delta R.T. 0.001 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

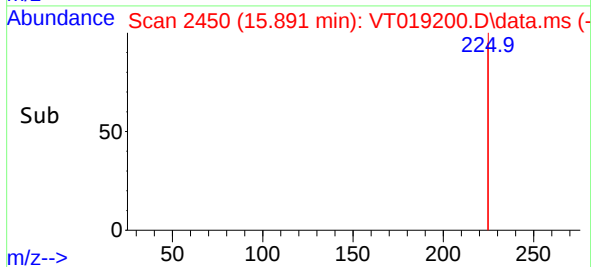
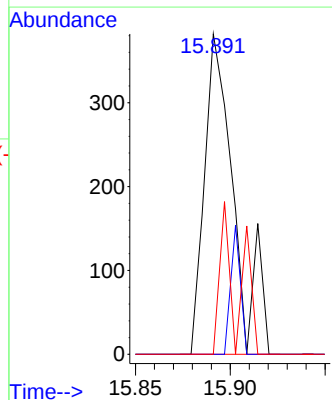
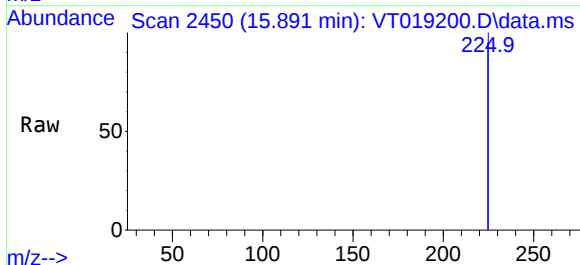


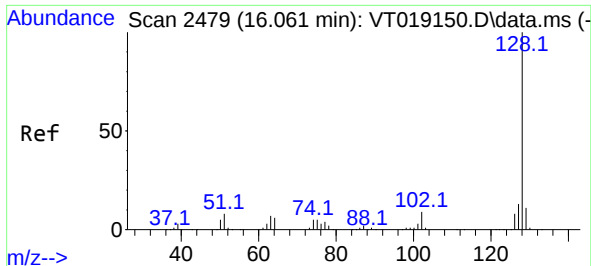
Tgt Ion:180 Resp: 1413
Ion Ratio Lower Upper
180 100
182 87.6 47.0 141.0
145 10.3 15.0 45.0#



#94
Hexachlorobutadiene
Concen: 0.555 ug/l
RT: 15.891 min Scan# 2450
Delta R.T. -0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion:225 Resp: 414
Ion Ratio Lower Upper
225 100
223 13.0 31.1 93.5#
227 28.5 31.9 95.9#

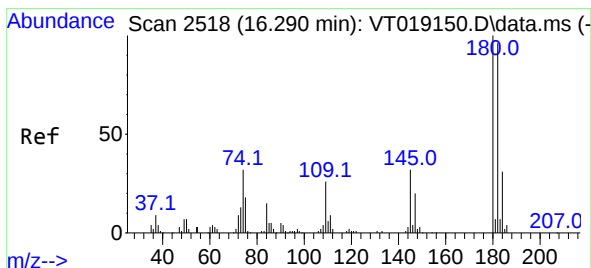
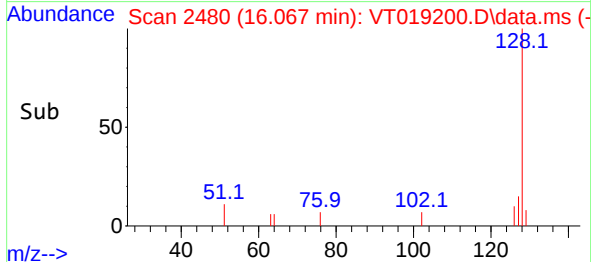
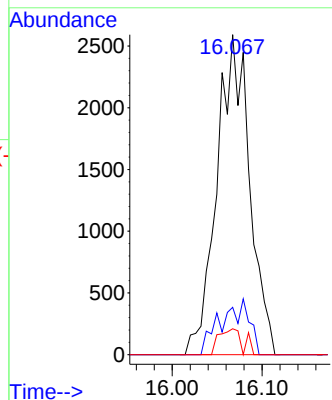
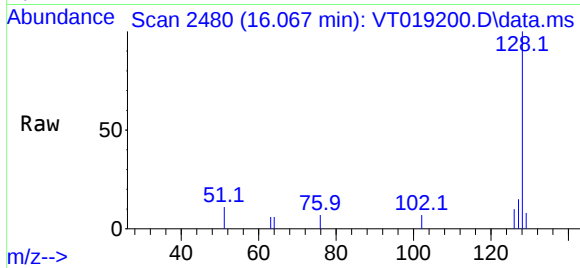




#95
Naphthalene
Concen: 1.033 ug/l
RT: 16.067 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Instrument :
MSVOA_T
ClientSampleId :
VT1029WBL01

Tgt Ion:128 Resp: 6544
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 5.9 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.478 ug/l
RT: 16.285 min Scan# 2517
Delta R.T. -0.011 min
Lab File: VT019200.D
Acq: 29 Oct 2025 13:33

Tgt Ion:180 Resp: 853
Ion Ratio Lower Upper
180 100
182 140.6 47.6 142.8
145 15.1 15.8 47.4#

