

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074907.D
 Acq On : 12 Nov 2022 00:54
 Operator : VA/SY
 Sample : N5509-04
 Misc : 6.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Quant Time: Nov 14 00:58:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

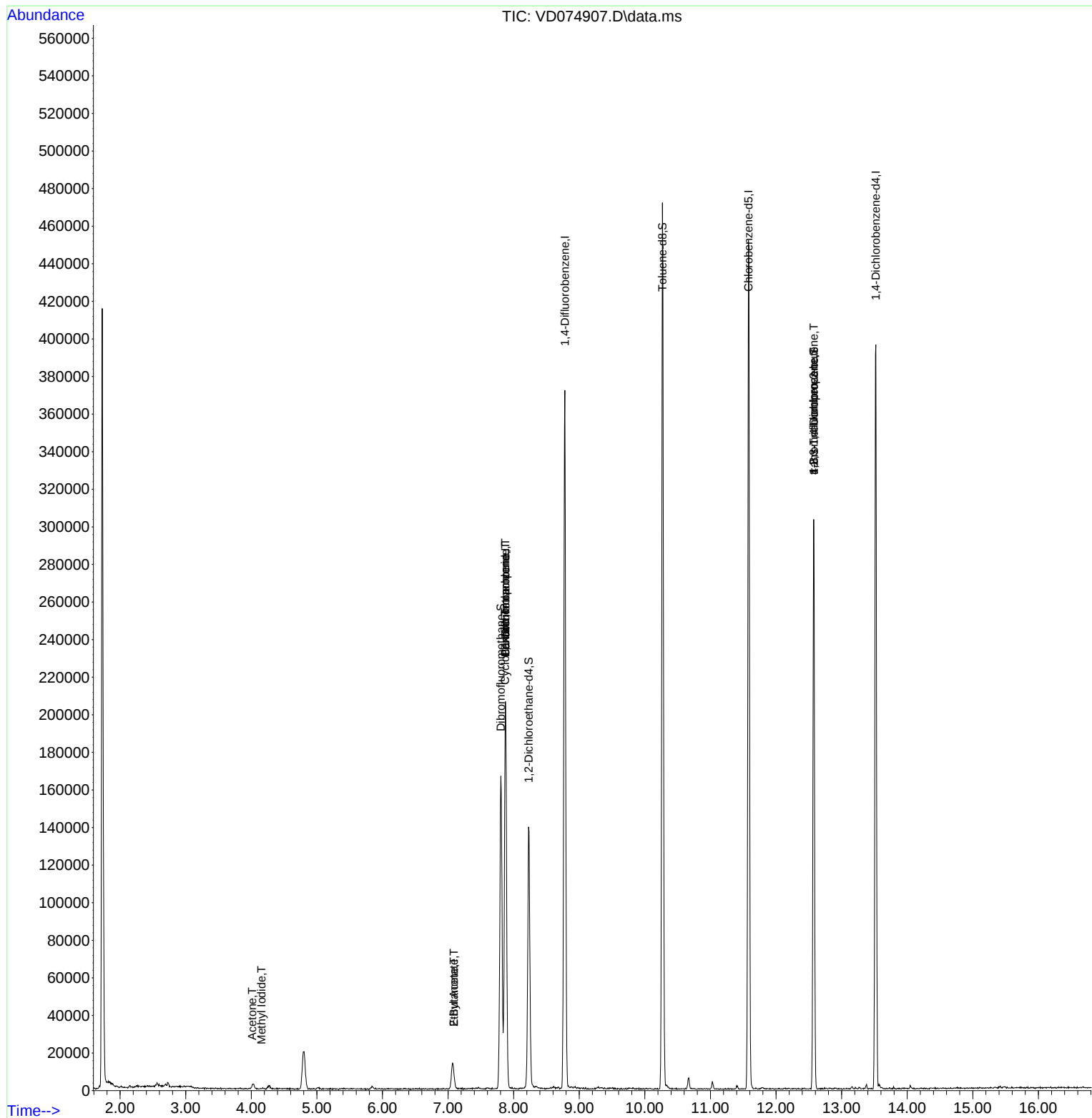
Internal Standards						
1) Pentafluorobenzene	7.875	168	172342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	350547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105773	98.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 196.120%#	
35) Dibromofluoromethane	7.805	113	124185	57.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.940%	
50) Toluene-d8	10.269	98	336622	47.291	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	12.575	95	94957	43.444	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	57	Below Cal	#	40
3) Chloromethane	2.146	50	710	Below Cal		93
5) Bromomethane	2.693	94	1111	Below Cal	#	76
10) Methyl Iodide	4.158	142	238	4.872	ug/l #	43
11) Tert butyl alcohol	5.034	59	446	Below Cal	#	84
16) Acetone	4.016	43	4548	15.986	ug/l	96
18) Methyl Acetate	4.575	43	129	Below Cal	#	44
20) Methylene Chloride	4.799	84	18390	Below Cal		95
25) 2-Butanone	7.087	43	1987	5.341	ug/l	100
31) Cyclohexane	7.869	56	3010	1.198	ug/l #	24
36) 1,1-Dichloropropene	7.875	75	12055	3.796	ug/l #	47
37) Ethyl Acetate	7.087	43	1987	1.865	ug/l #	68
38) Carbon Tetrachloride	7.875	117	16497	5.519	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	46792	48.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	46792	118.220	ug/l #	17

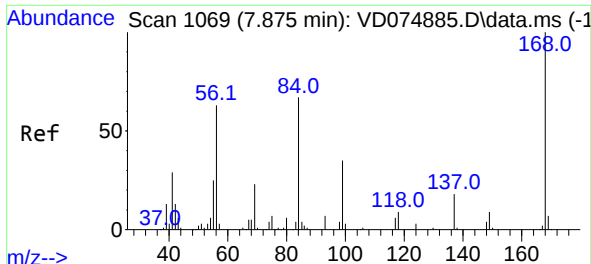
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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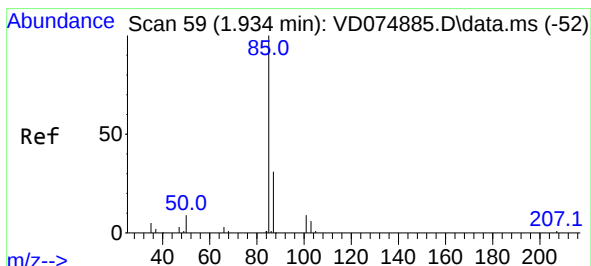
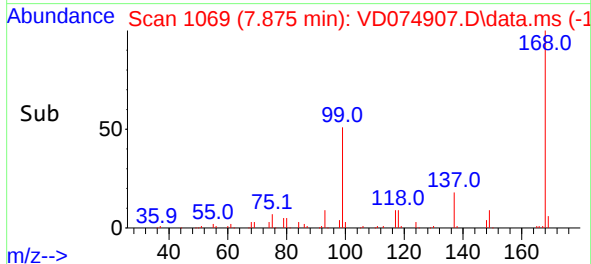
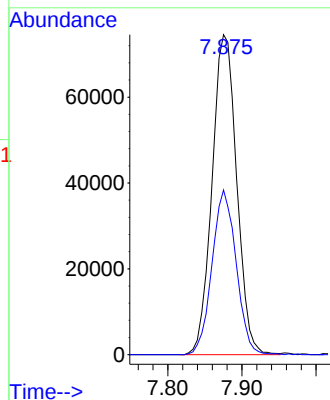
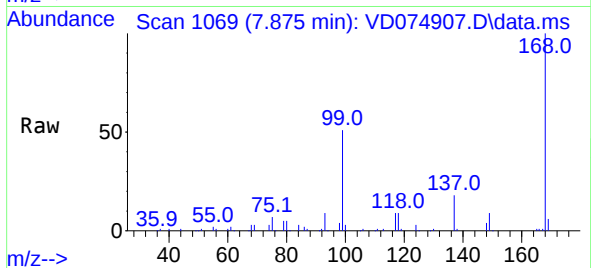




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

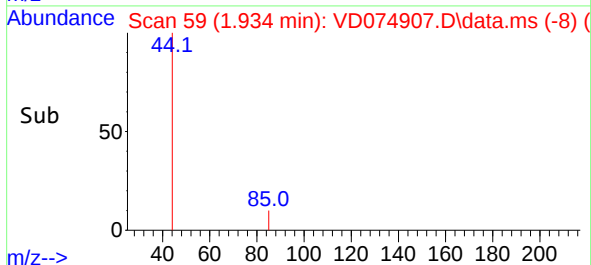
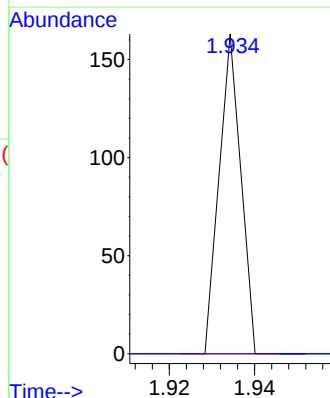
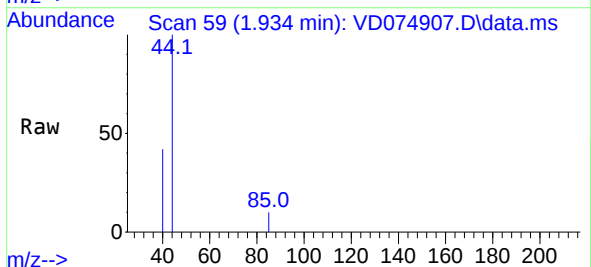
Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:168 Resp: 172342
Ion Ratio Lower Upper
168 100
99 51.4 40.9 61.3

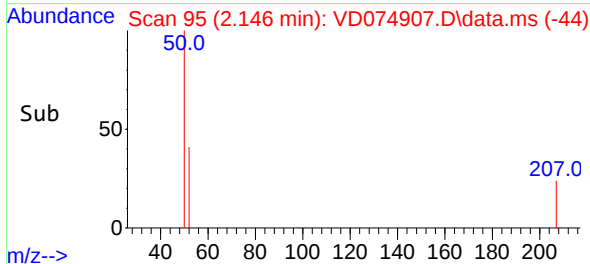
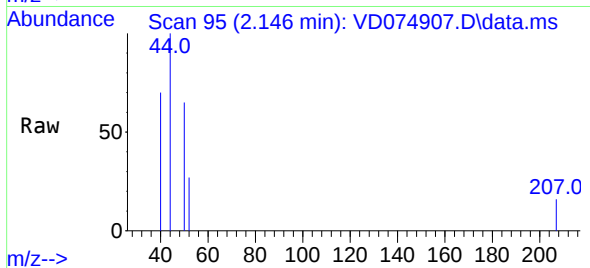
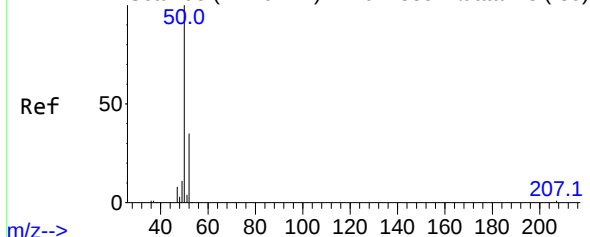


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 85 Resp: 57
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#



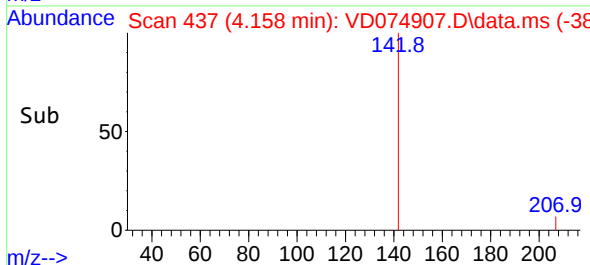
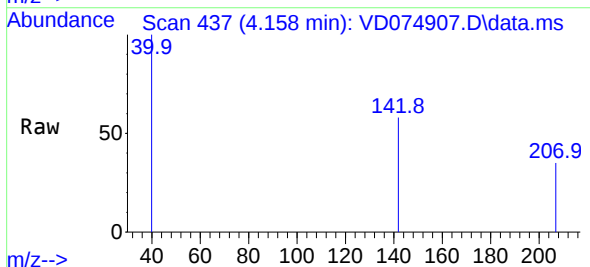
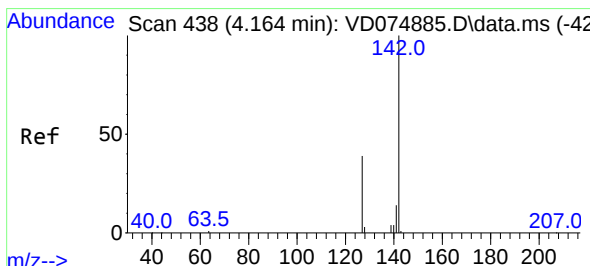
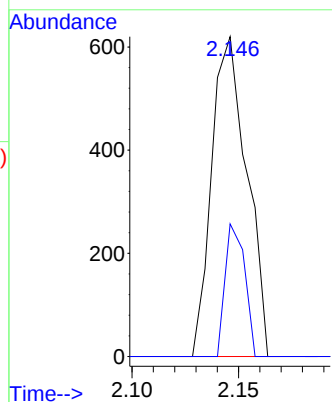
Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

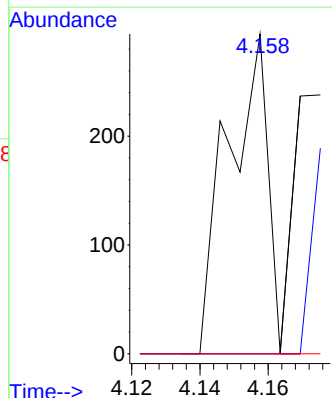
Instrument :
MSVOA_D
ClientSampleId :
TP-13

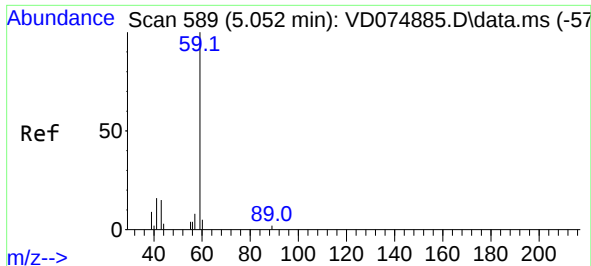
Tgt Ion: 50 Resp: 710
Ion Ratio Lower Upper
50 100
52 41.5 30.0 45.0



#10
Methyl Iodide
Concen: 4.872 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 142 Resp: 238
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

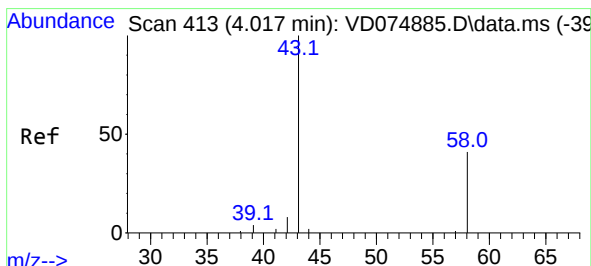
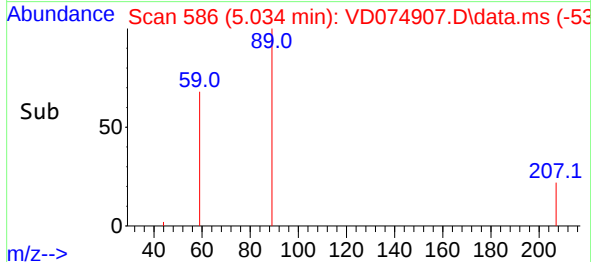
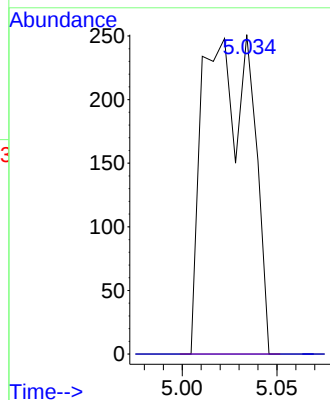
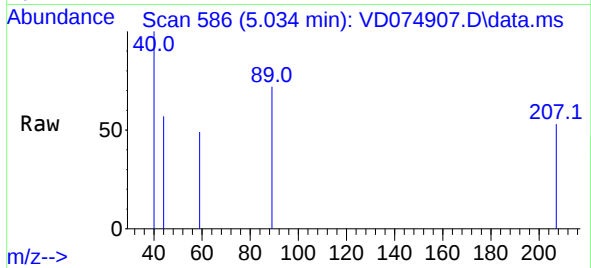




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

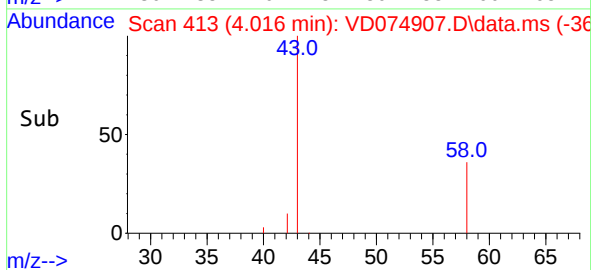
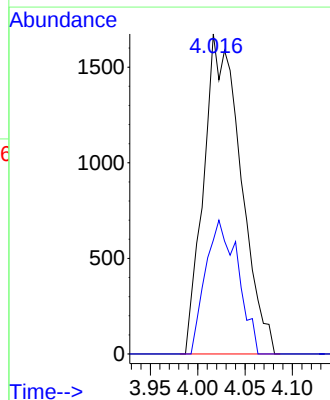
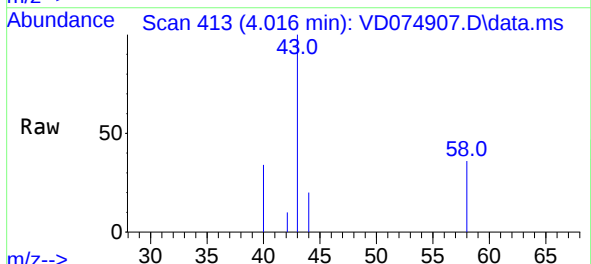
Instrument :
MSVOA_D
ClientSampleId :
TP-13

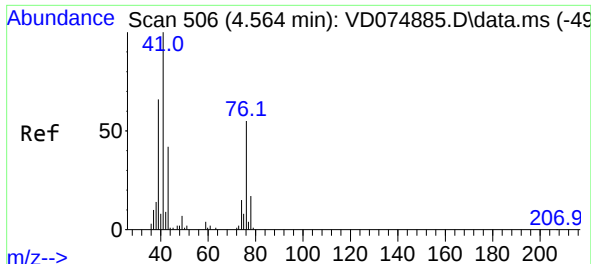
Tgt Ion: 59 Resp: 446
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 15.986 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 43 Resp: 4548
Ion Ratio Lower Upper
43 100
58 35.5 30.2 45.2





#18

Methyl Acetate

Concen: Below Cal

RT: 4.575 min Scan# 506

Delta R.T. 0.011 min

Lab File: VD074907.D

Acq: 12 Nov 2022 00:54

Instrument :

MSVOA_D

ClientSampleId :

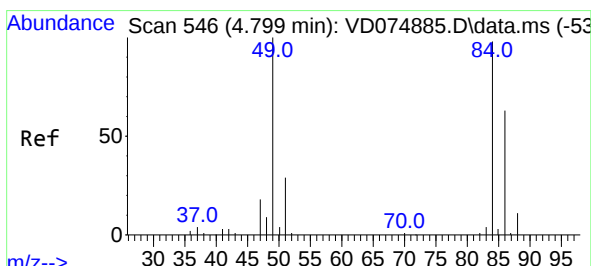
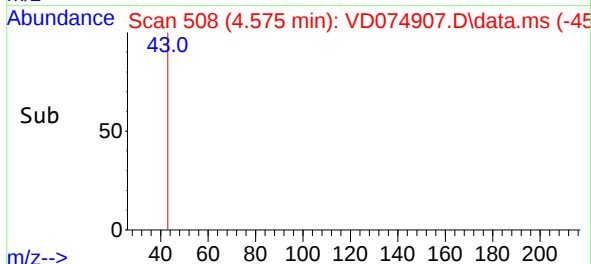
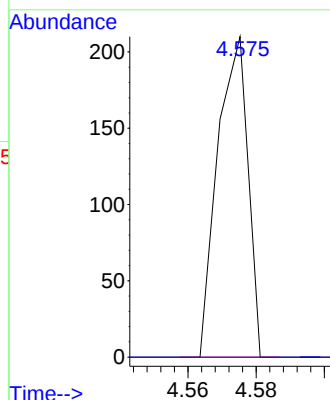
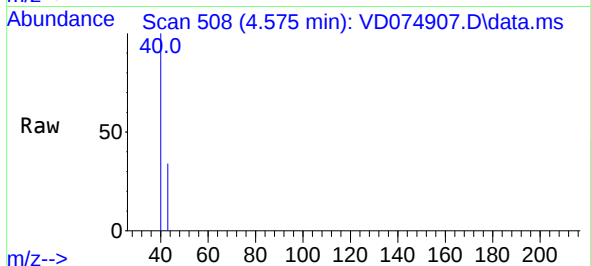
TP-13

Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

74 0.0 24.7 37.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD074907.D

Acq: 12 Nov 2022 00:54

Tgt Ion: 84 Resp: 18390

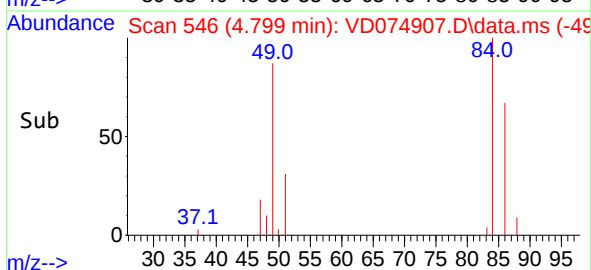
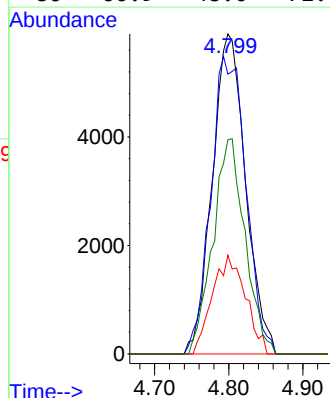
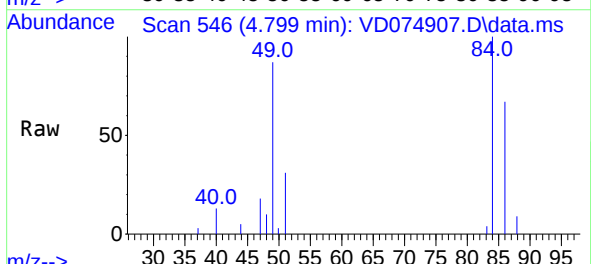
Ion Ratio Lower Upper

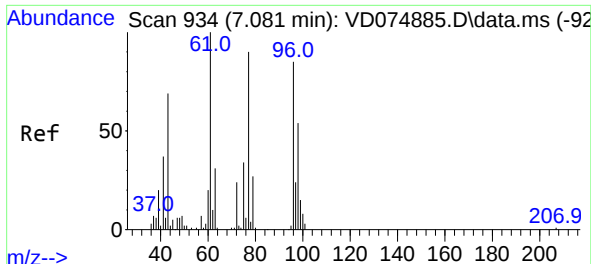
84 100

49 87.4 68.0 102.0

51 30.9 23.2 34.8

86 66.9 48.0 72.0

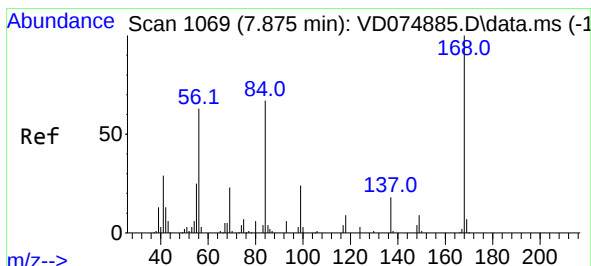
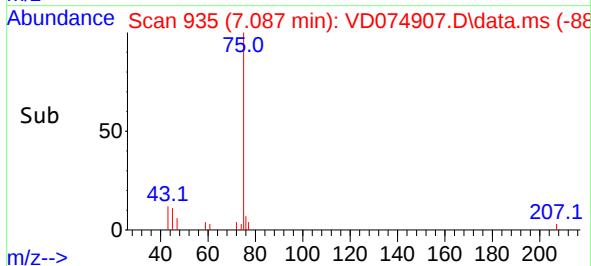
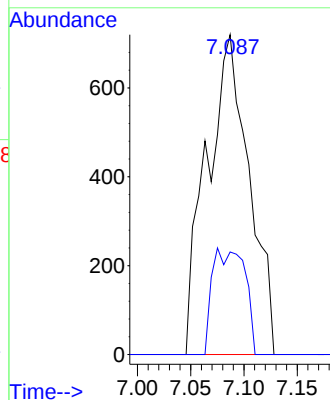
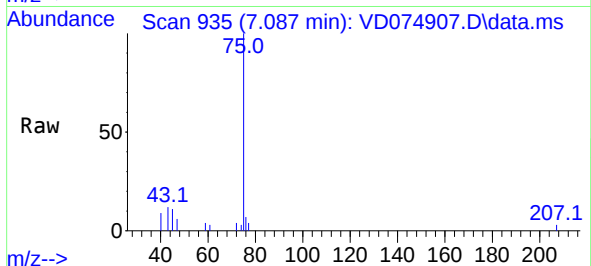




#25
2-Butanone
Concen: 5.341 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

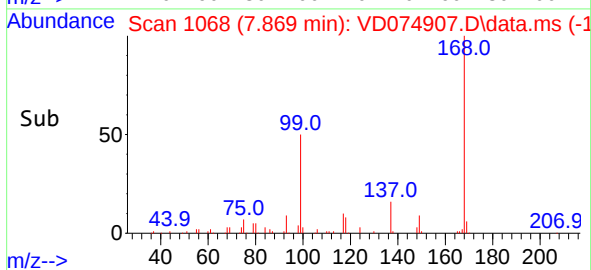
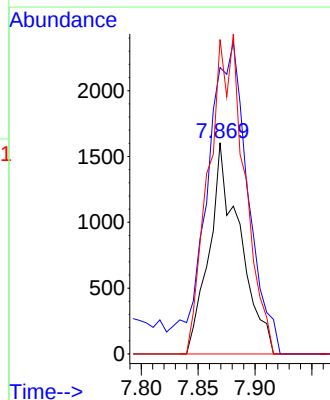
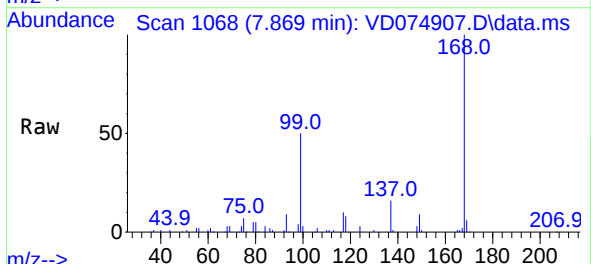
Instrument :
MSVOA_D
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TP-13

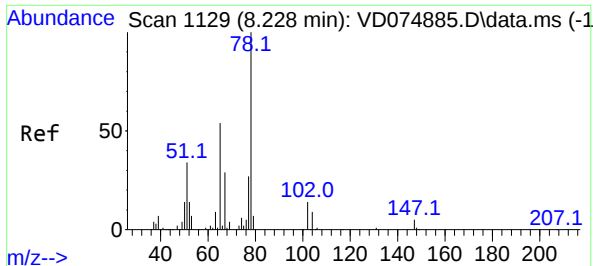
Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
72 32.1 25.8 38.8



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 56 Resp: 3010
Ion Ratio Lower Upper
56 100
69 135.6 29.2 43.8#
84 148.8 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 98.061 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074907.D

Acq: 12 Nov 2022 00:54

Instrument :

MSVOA_D

ClientSampleId :

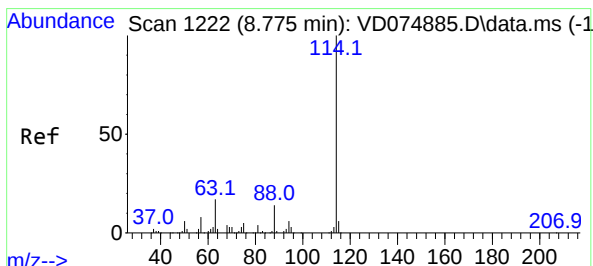
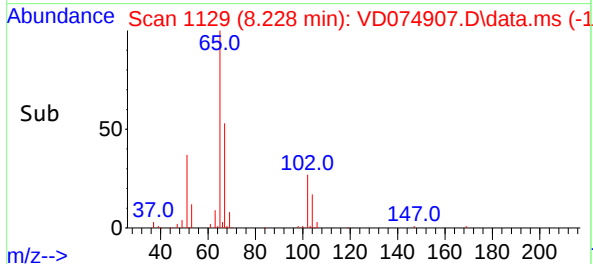
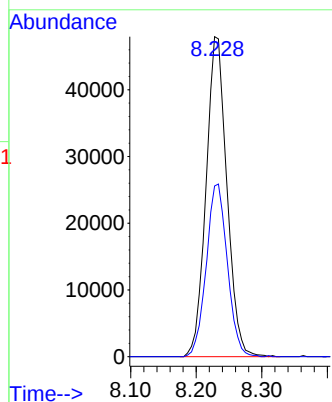
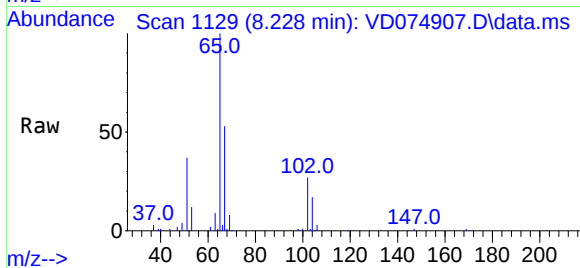
TP-13

Tgt Ion: 65 Resp: 105773

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074907.D

Acq: 12 Nov 2022 00:54

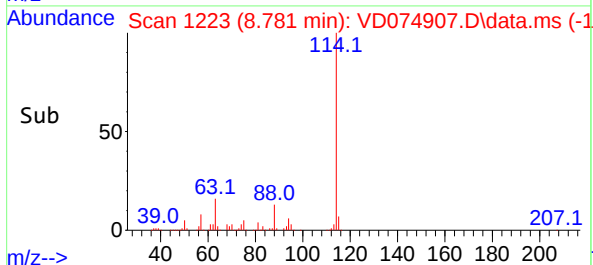
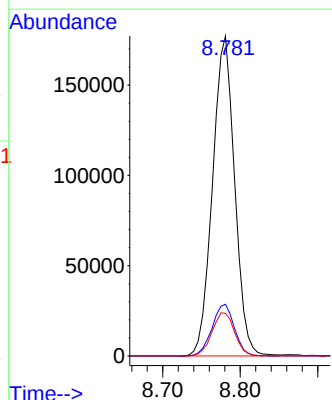
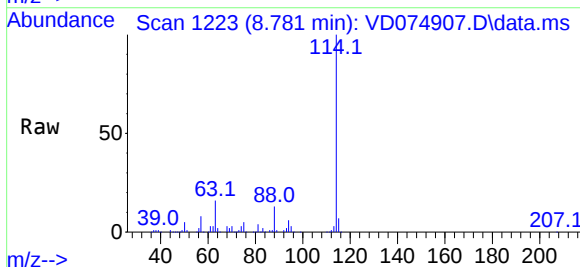
Tgt Ion: 114 Resp: 350547

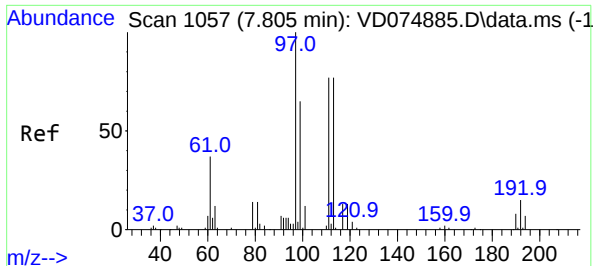
Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.2

88 13.3 0.0 28.2

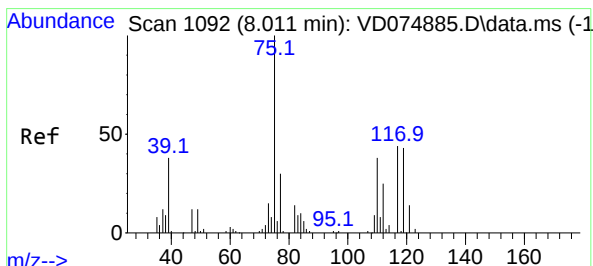
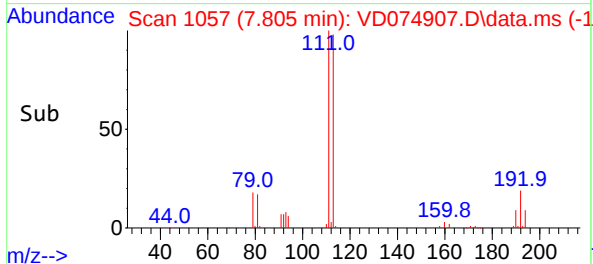
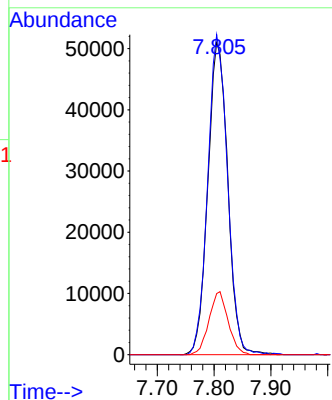
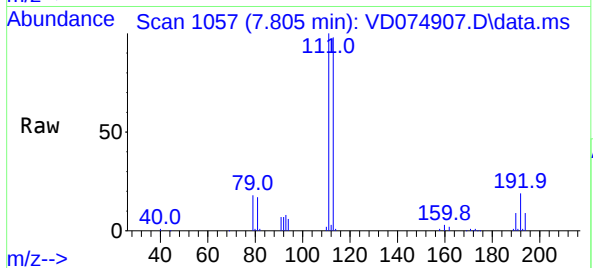




#35
Dibromofluoromethane
Concen: 57.470 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

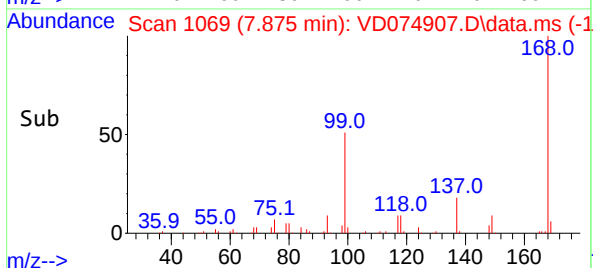
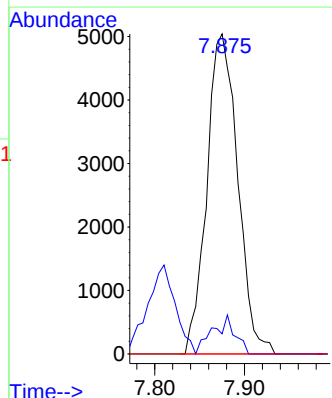
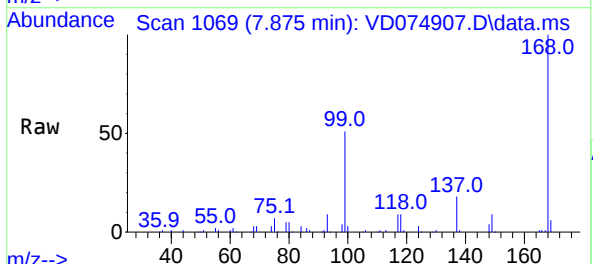
Instrument :
MSVOA_D
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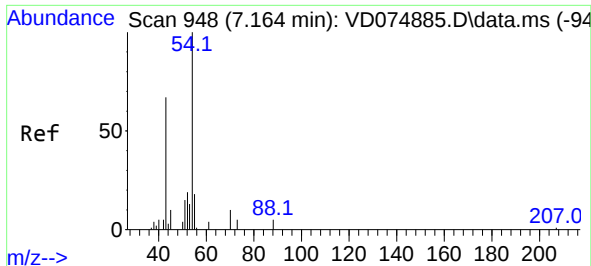
Tgt Ion:113 Resp: 124185
Ion Ratio Lower Upper
113 100
111 101.6 82.3 123.5
192 19.4 16.4 24.6



#36
1,1-Dichloropropene
Concen: 3.796 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 75 Resp: 12055
Ion Ratio Lower Upper
75 100
110 8.7 19.7 59.0#
77 0.0 25.4 38.2#

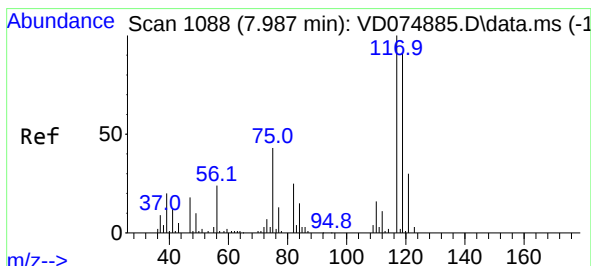
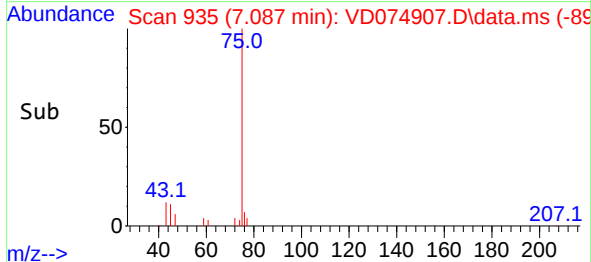
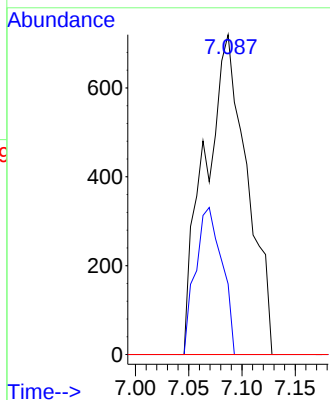
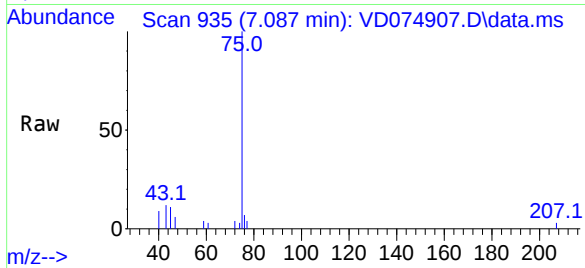




#37
Ethyl Acetate
Concen: 1.865 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.077 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

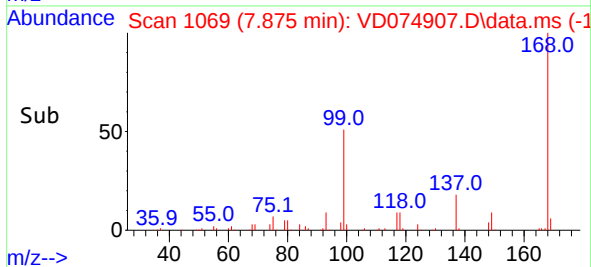
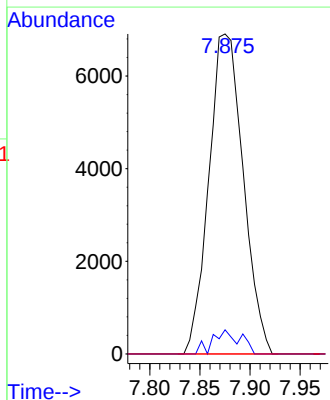
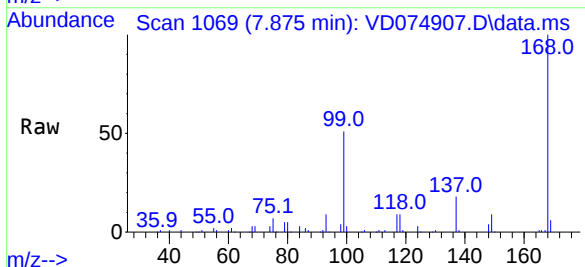
Instrument :
MSVOA_D
ClientSampleId :
TP-13

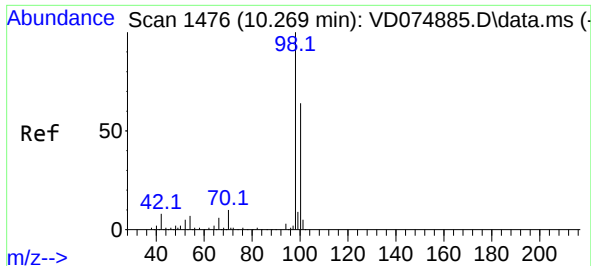
Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
61 28.8 12.2 18.4#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 117 Resp: 16497
Ion Ratio Lower Upper
117 100
119 7.6 73.1 109.7#
121 0.0 25.0 37.6#

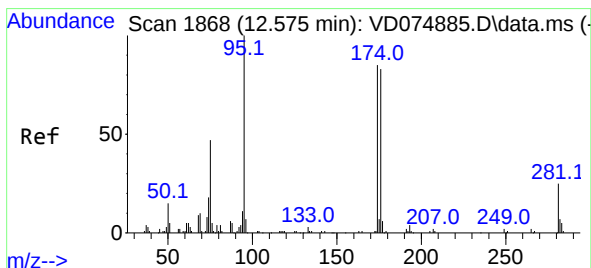
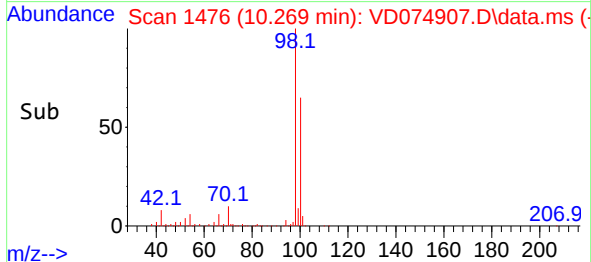
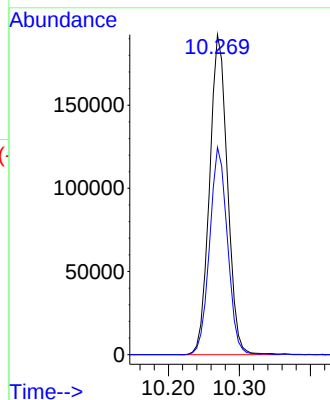
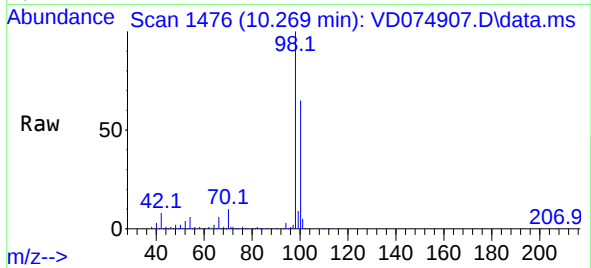




#50
Toluene-d8
Concen: 47.291 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

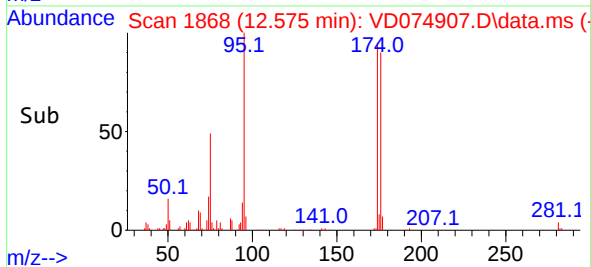
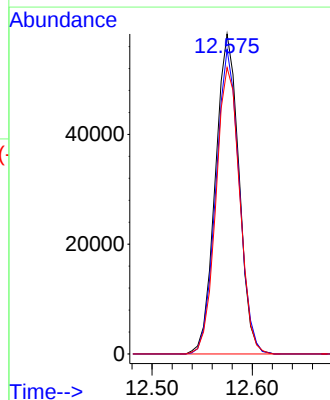
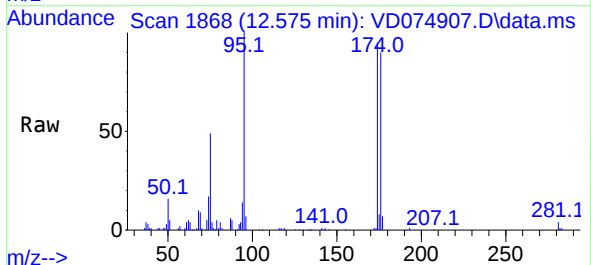
Instrument :
MSVOA_D
ClientSampleId :
TP-13

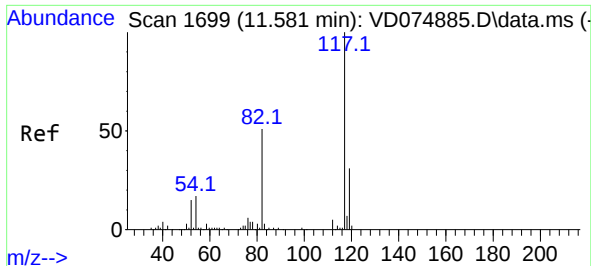
Tgt Ion: 98 Resp: 336622
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.444 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 95 Resp: 94957
Ion Ratio Lower Upper
95 100
174 94.1 0.0 197.0
176 90.0 0.0 182.6

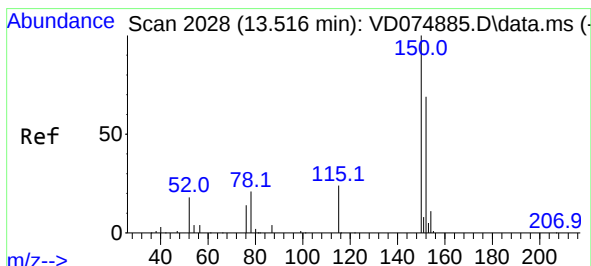
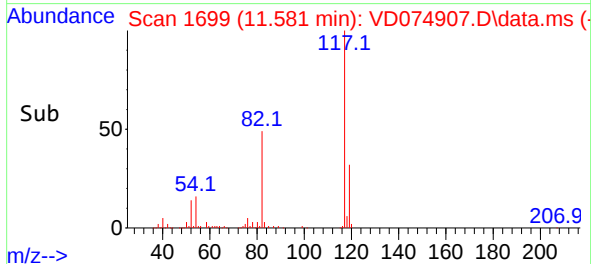
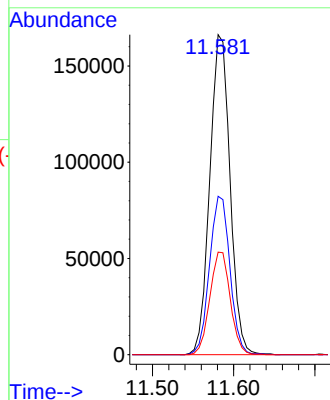
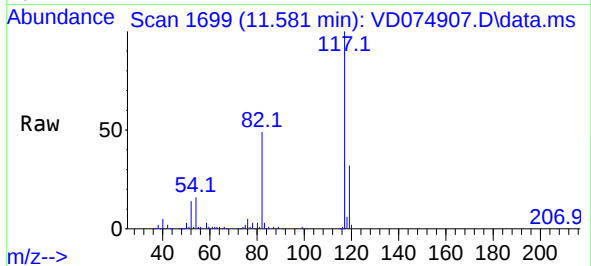




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

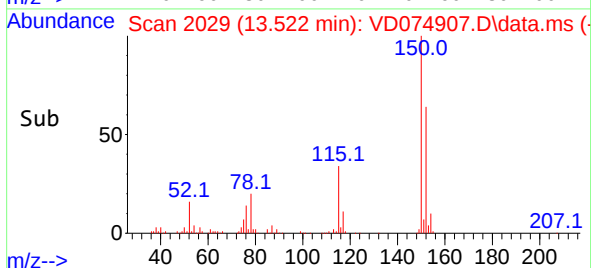
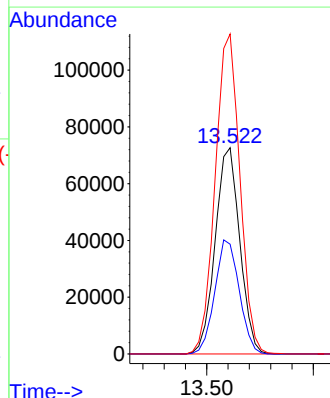
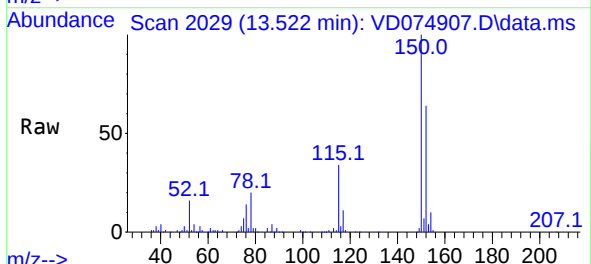
Instrument :
MSVOA_D
ClientSampleId :
TP-13

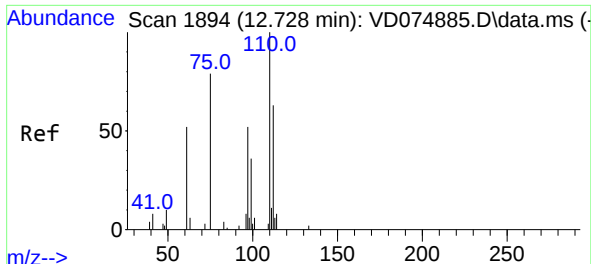
Tgt Ion:117 Resp: 287711
Ion Ratio Lower Upper
117 100
82 49.5 41.6 62.4
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion:152 Resp: 116414
Ion Ratio Lower Upper
152 100
115 55.0 26.8 80.4
150 155.9 0.0 348.2

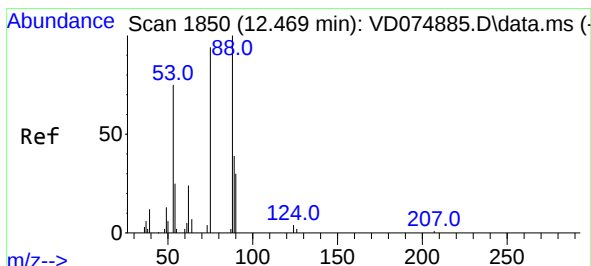
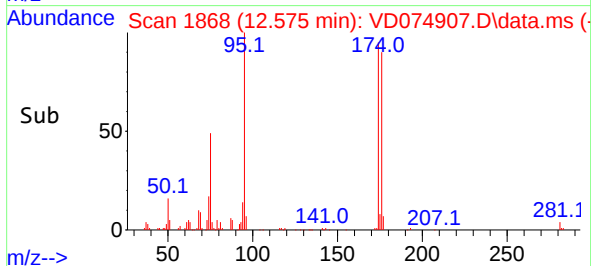
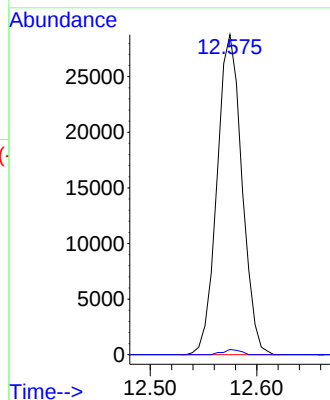
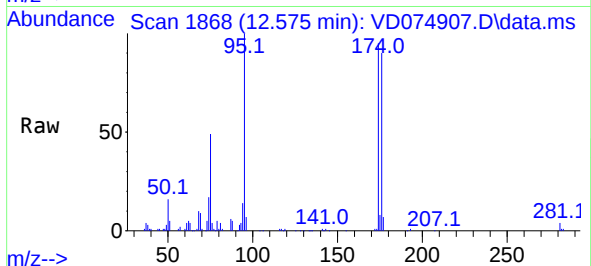




#76
1,2,3-Trichloropropane
Concen: 48.056 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion: 75 Resp: 46792
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.220 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074907.D
Acq: 12 Nov 2022 00:54

Tgt Ion: 75 Resp: 46792
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

