

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071507.D
 Acq On : 28 Dec 2021 17:08
 Operator : VA/SY
 Sample : M5236-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9-(19.5-20)

Quant Time: Dec 28 19:26:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

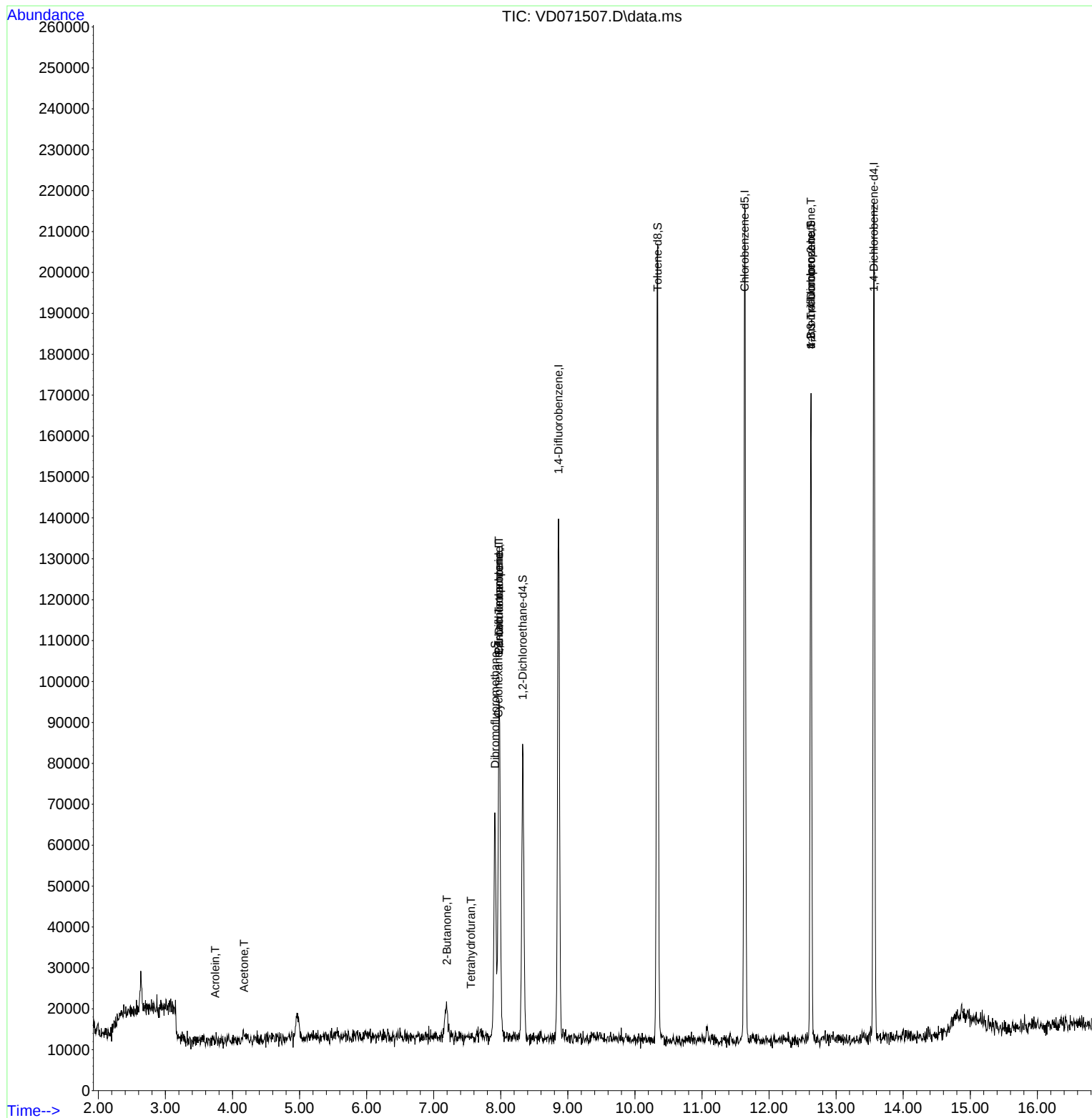
Internal Standards						
1) Pentafluorobenzene	7.973	168	58900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	101874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	105587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	50955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54878	70.155	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.300%	
35) Dibromofluoromethane	7.914	113	35549	51.921	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.338	98	128056	49.492	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.626	95	50146	54.540	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	523	Below Cal	#	71
13) Acrolein	3.744	56	63	1.667	ug/l #	13
16) Acetone	4.173	43	3599	18.317	ug/l	95
20) Methylene Chloride	4.973	84	3476	Below Cal		92
25) 2-Butanone	7.197	43	270	1.150	ug/l #	45
29) Tetrahydrofuran	7.556	42	152	1.079	ug/l #	34
31) Cyclohexane	7.967	56	2026	1.525	ug/l #	56
36) 1,1-Dichloropropene	7.973	75	5686	5.198	ug/l #	49
38) Carbon Tetrachloride	7.973	117	6537	6.057	ug/l #	12
76) 1,2,3-Trichloropropane	12.626	75	26982	44.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	26982	125.923	ug/l #	18

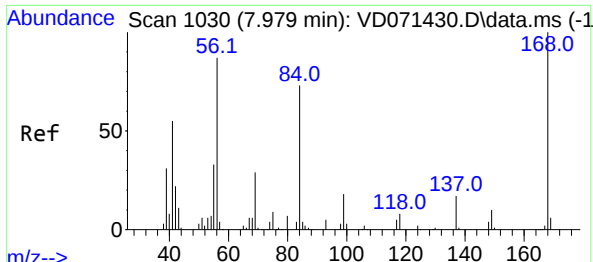
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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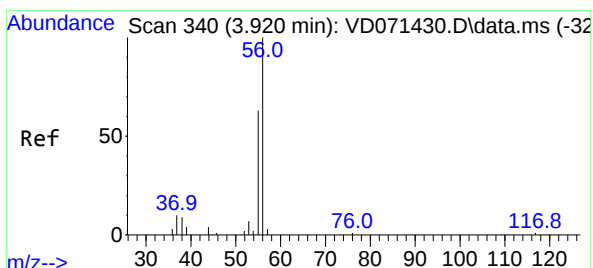
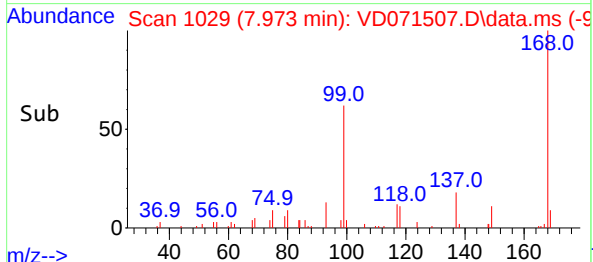
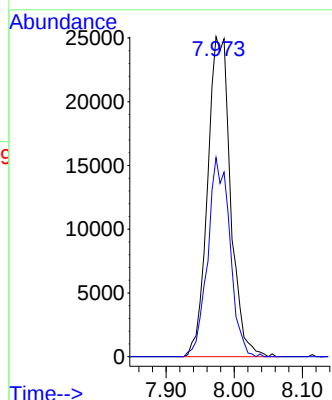
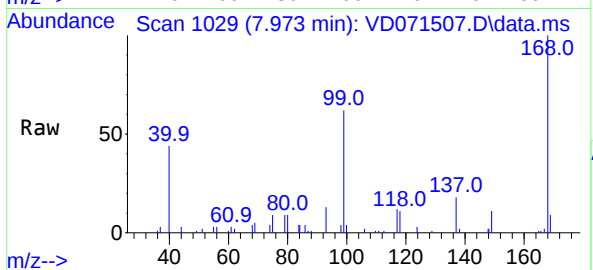




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

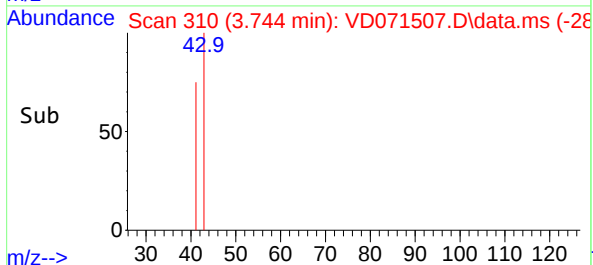
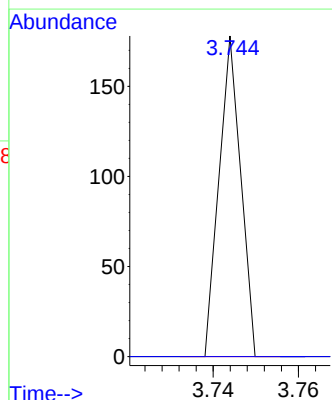
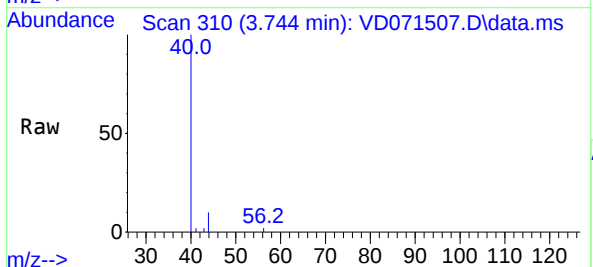
Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

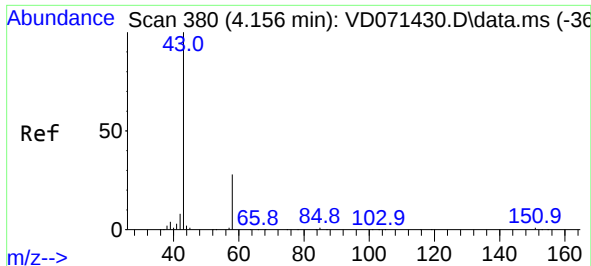
Tgt Ion:168 Resp: 58900
Ion Ratio Lower Upper
168 100
99 62.2 46.6 69.8



#13
Acrolein
Concen: 1.667 ug/l
RT: 3.744 min Scan# 310
Delta R.T. -0.170 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

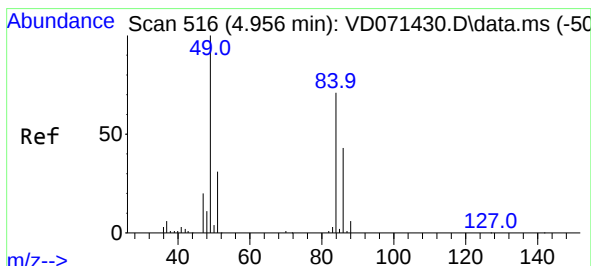
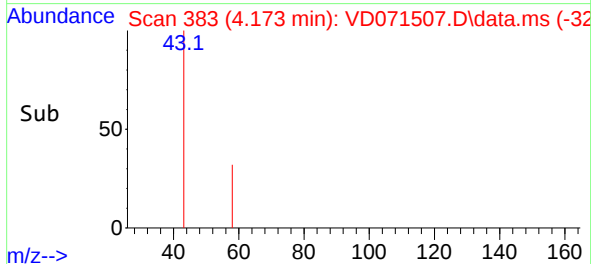
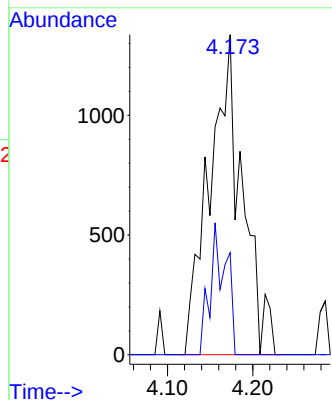
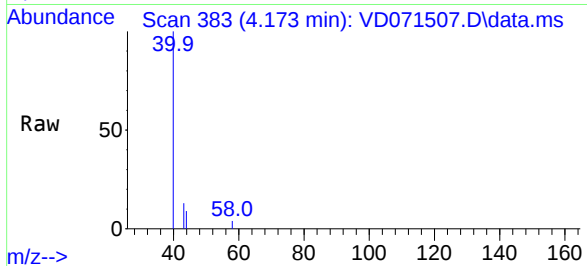




#16
Acetone
Concen: 18.317 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.017 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

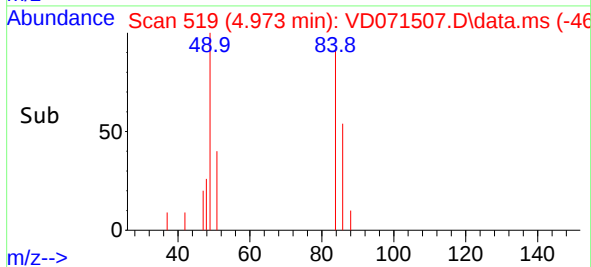
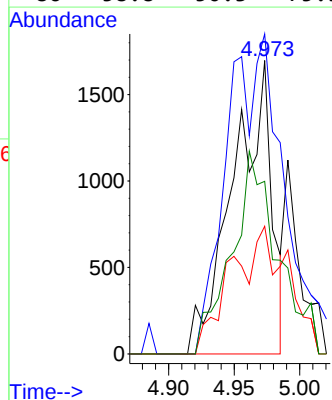
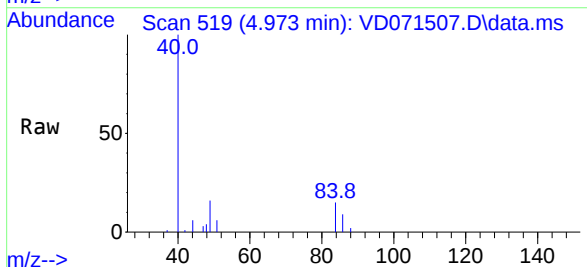
Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

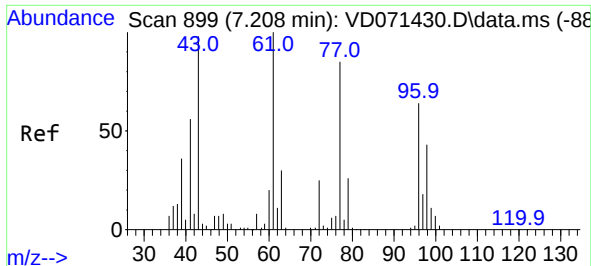
Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 84 Resp: 3476
Ion Ratio Lower Upper
84 100
49 109.1 95.8 143.6
51 43.5 30.9 46.3
86 58.8 50.3 75.5

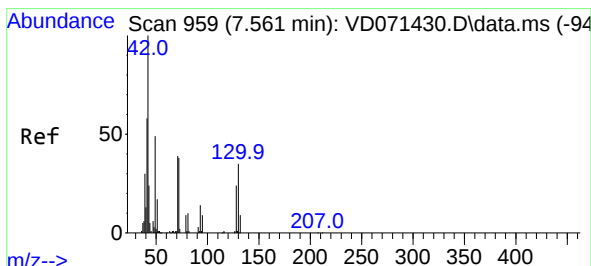
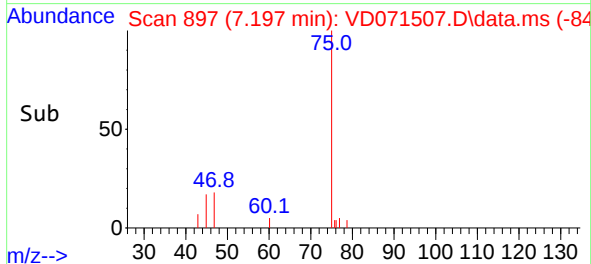
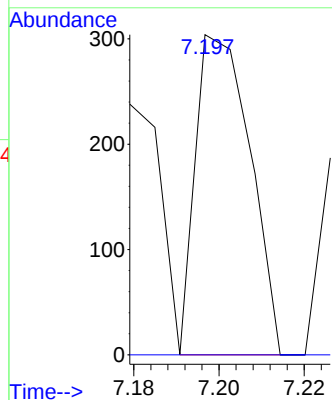
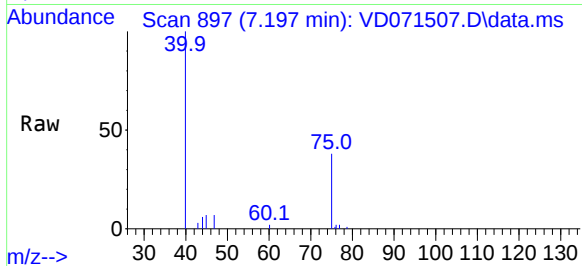




#25
2-Butanone
Concen: 1.150 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

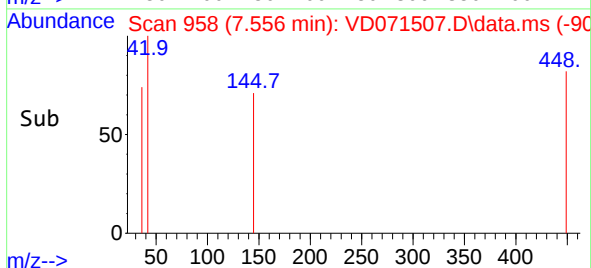
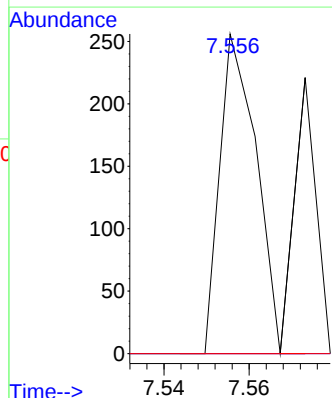
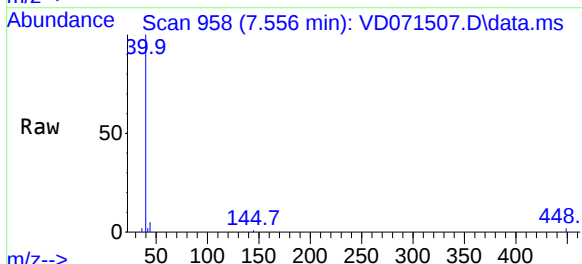
Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

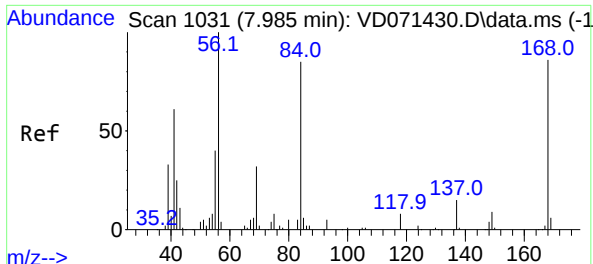
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.079 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.001 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 42 Resp: 152
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.525 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD071507.D

Acq: 28 Dec 2021 17:08

Instrument :

MSVOA_D

ClientSampleId :

SB-9-(19.5-20)

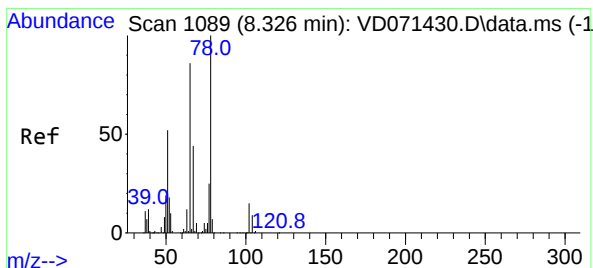
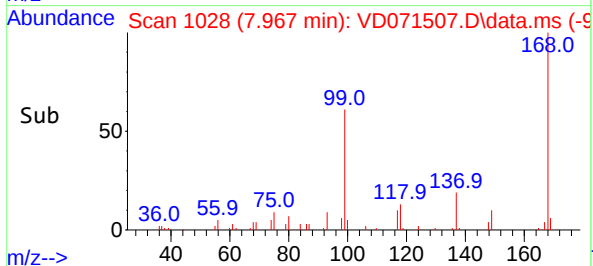
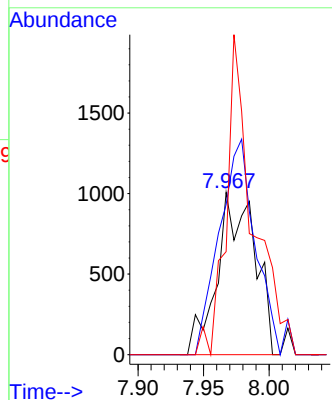
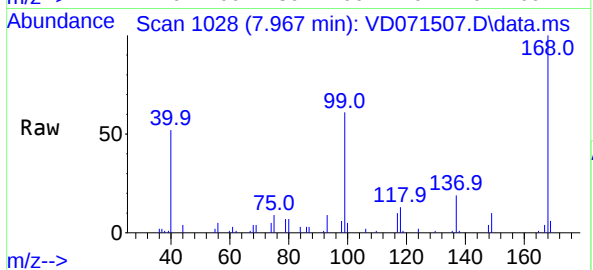
Tgt Ion: 56 Resp: 2026

Ion Ratio Lower Upper

56 100

69 92.6 25.9 38.9#

84 63.6 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 70.155 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071507.D

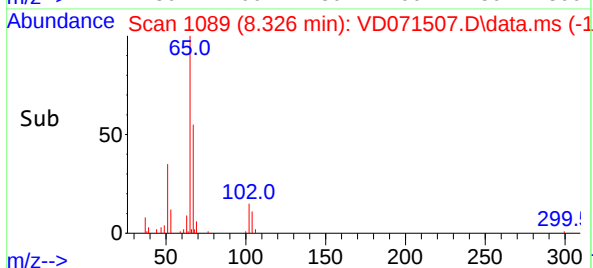
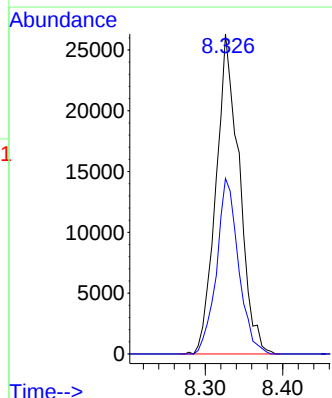
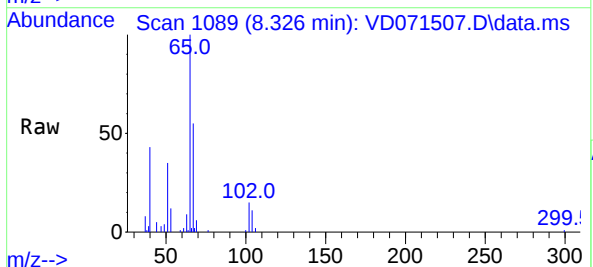
Acq: 28 Dec 2021 17:08

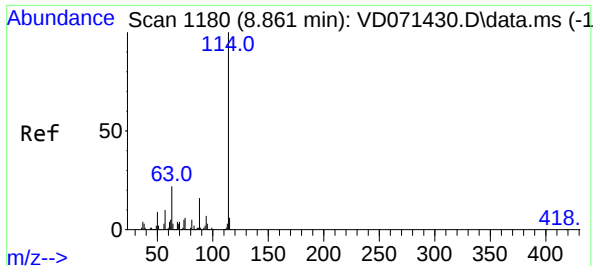
Tgt Ion: 65 Resp: 54878

Ion Ratio Lower Upper

65 100

67 51.7 0.0 112.2



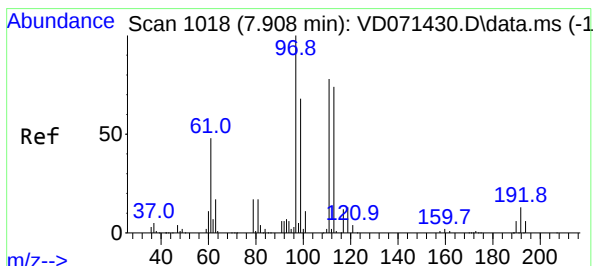
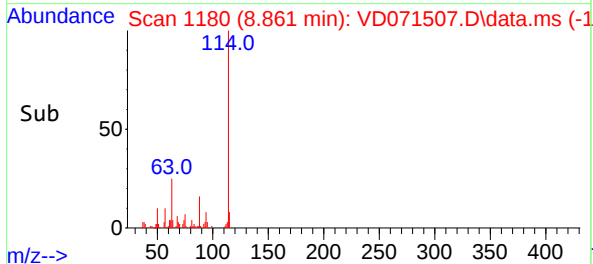
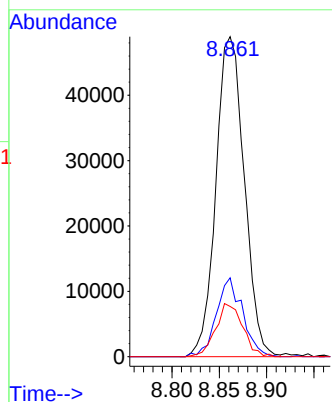
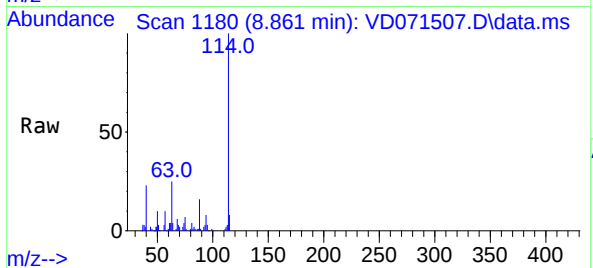


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

Tgt Ion:114 Resp: 101874

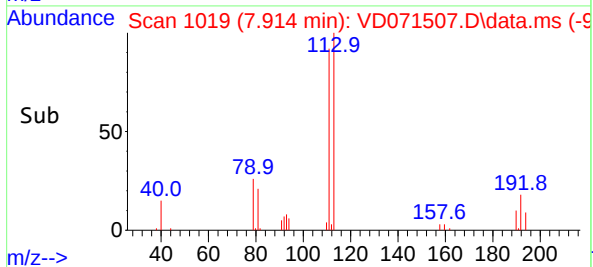
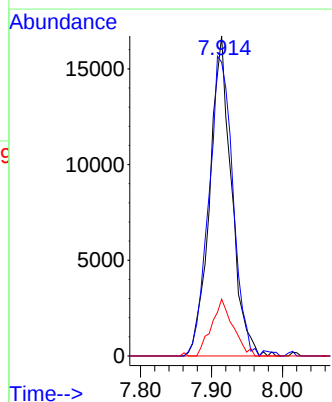
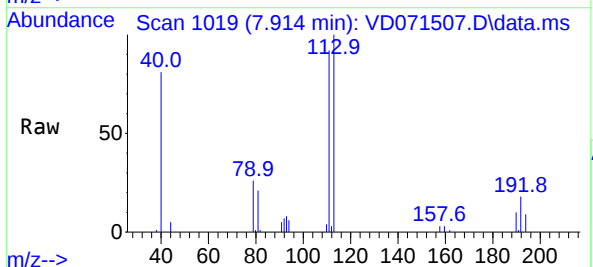
Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	41.8
88	15.7	0.0	32.8

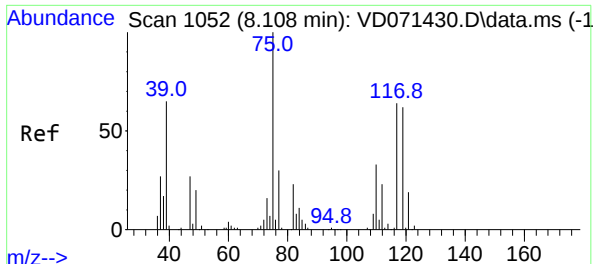


#35
Dibromofluoromethane
Concen: 51.921 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion:113 Resp: 35549

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	17.5	15.2	22.8

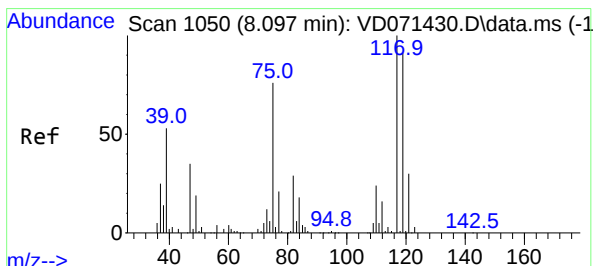
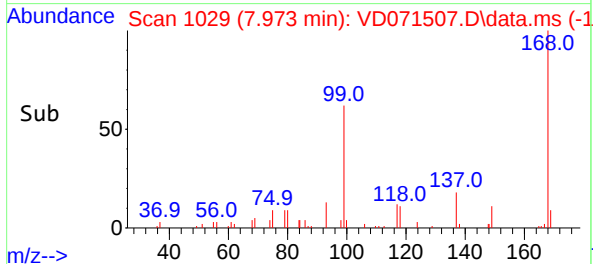
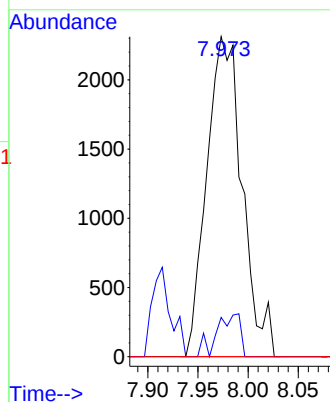
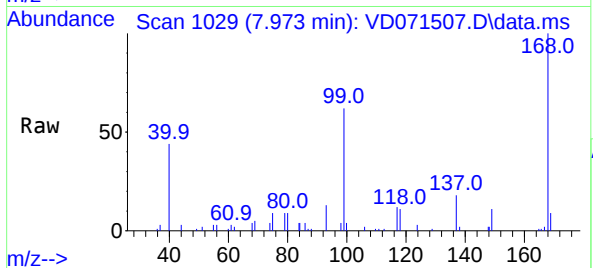




#36
1,1-Dichloropropene
Concen: 5.198 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

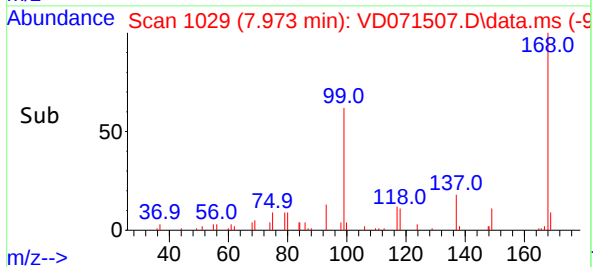
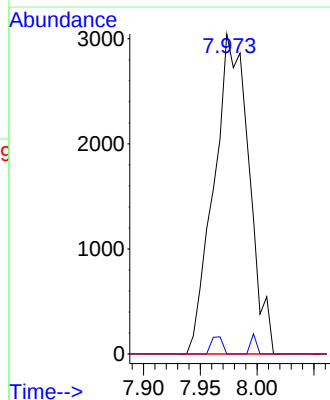
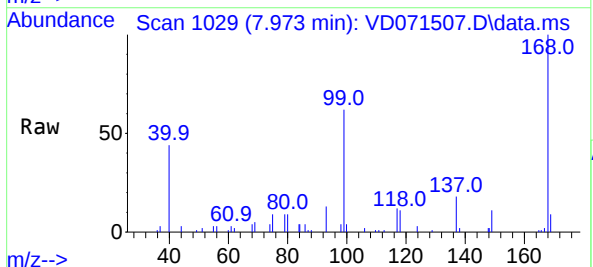
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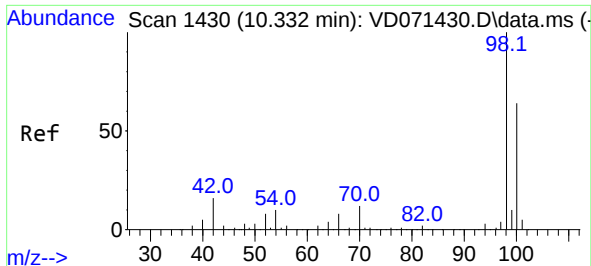
Tgt Ion: 75 Resp: 5686
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.057 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 117 Resp: 6537
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

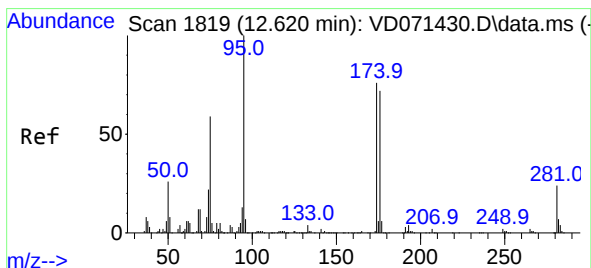
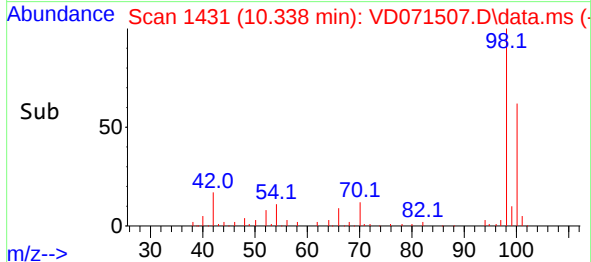
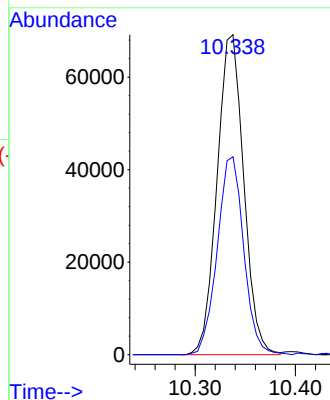
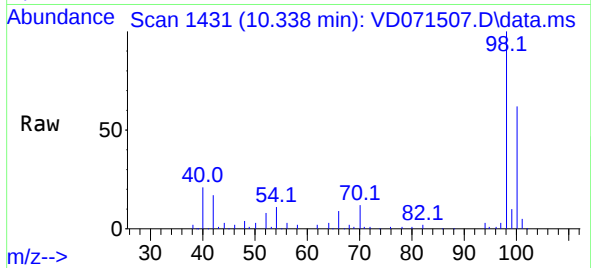




#50
Toluene-d8
Concen: 49.492 ug/l
RT: 10.338 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

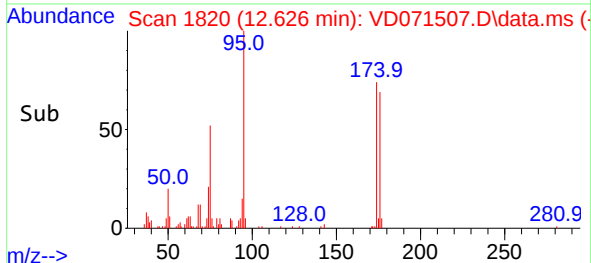
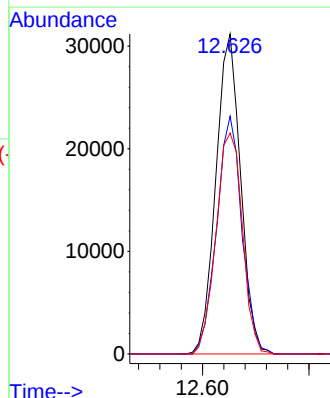
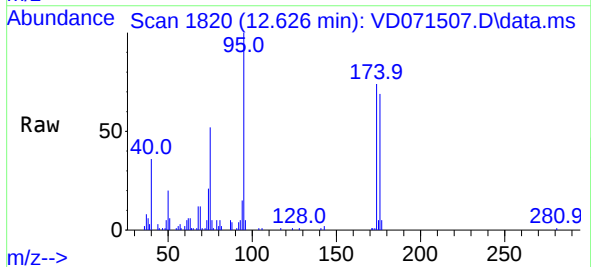
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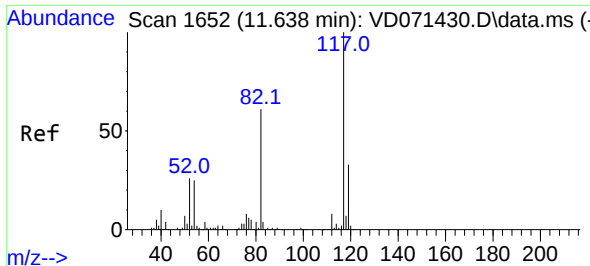
Tgt Ion: 98 Resp: 128056
Ion Ratio Lower Upper
98 100
100 61.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 54.540 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 95 Resp: 50146
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.4
176 73.7 0.0 154.0

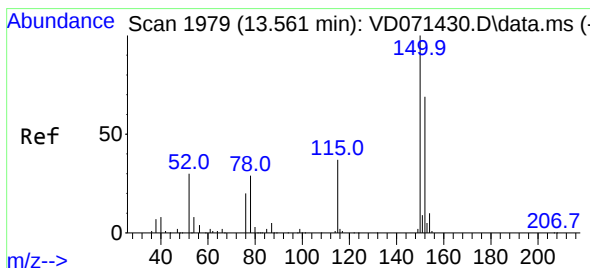
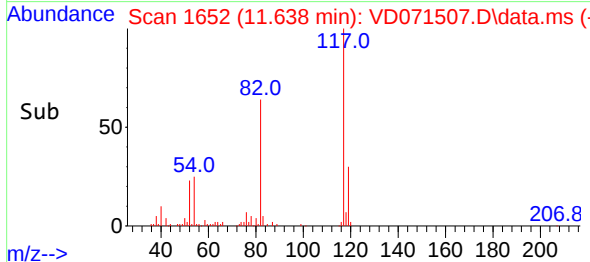
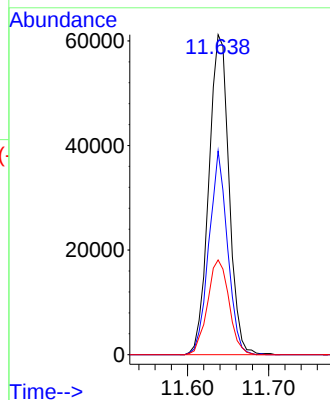
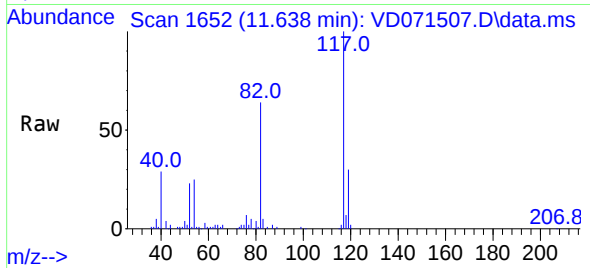




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

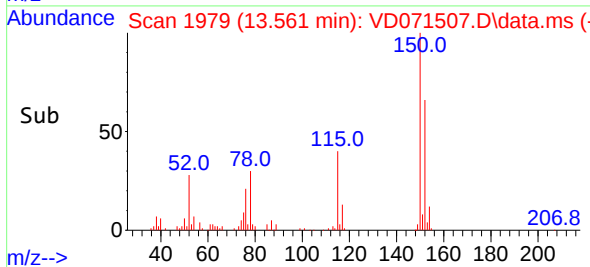
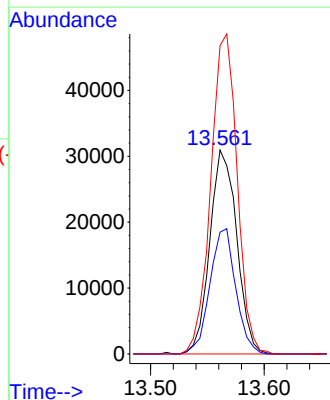
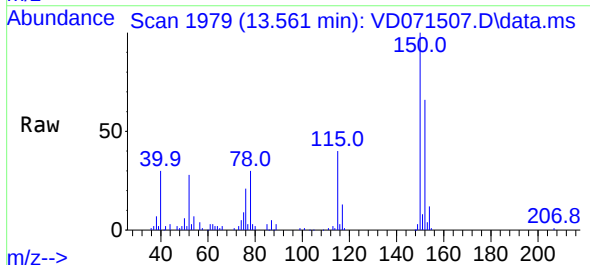
Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

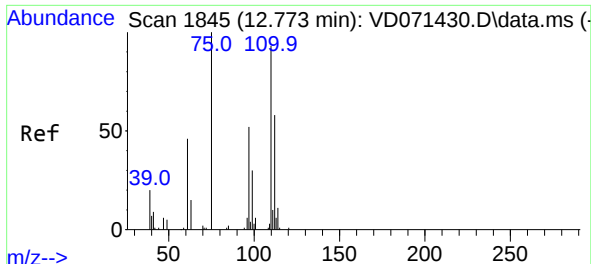
Tgt Ion:117 Resp: 105587
Ion Ratio Lower Upper
117 100
82 63.6 44.7 67.1
119 29.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion:152 Resp: 50955
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.3
150 153.8 0.0 349.2

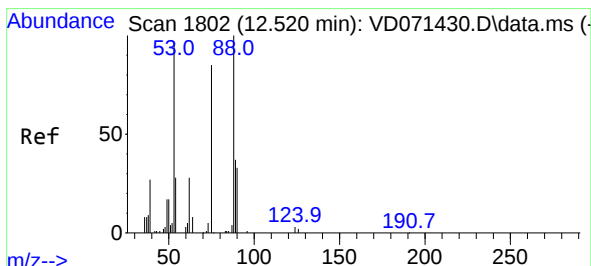
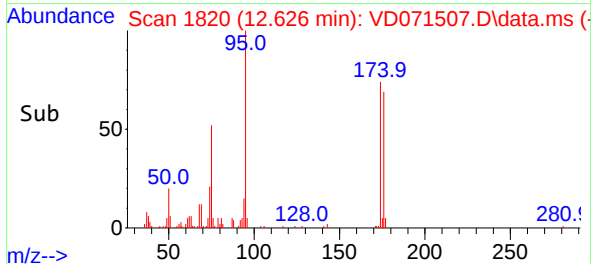
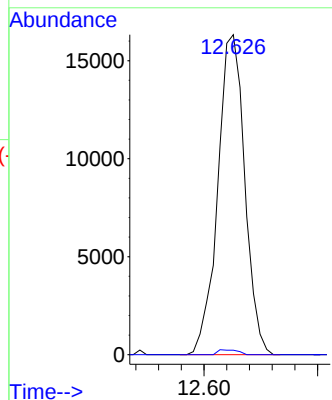
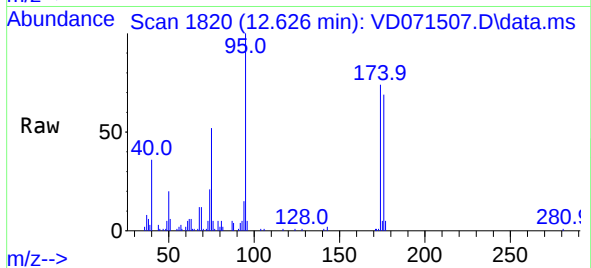




#76
1,2,3-Trichloropropane
Concen: 44.566 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Instrument :
MSVOA_D
ClientSampleId :
SB-9-(19.5-20)

Tgt Ion: 75 Resp: 26982
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.923 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071507.D
Acq: 28 Dec 2021 17:08

Tgt Ion: 75 Resp: 26982
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#

