

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074423.D
 Acq On : 26 Sep 2022 17:10
 Operator : VA/SY
 Sample : N4768-11
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D22016-18

Quant Time: Sep 27 04:09:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

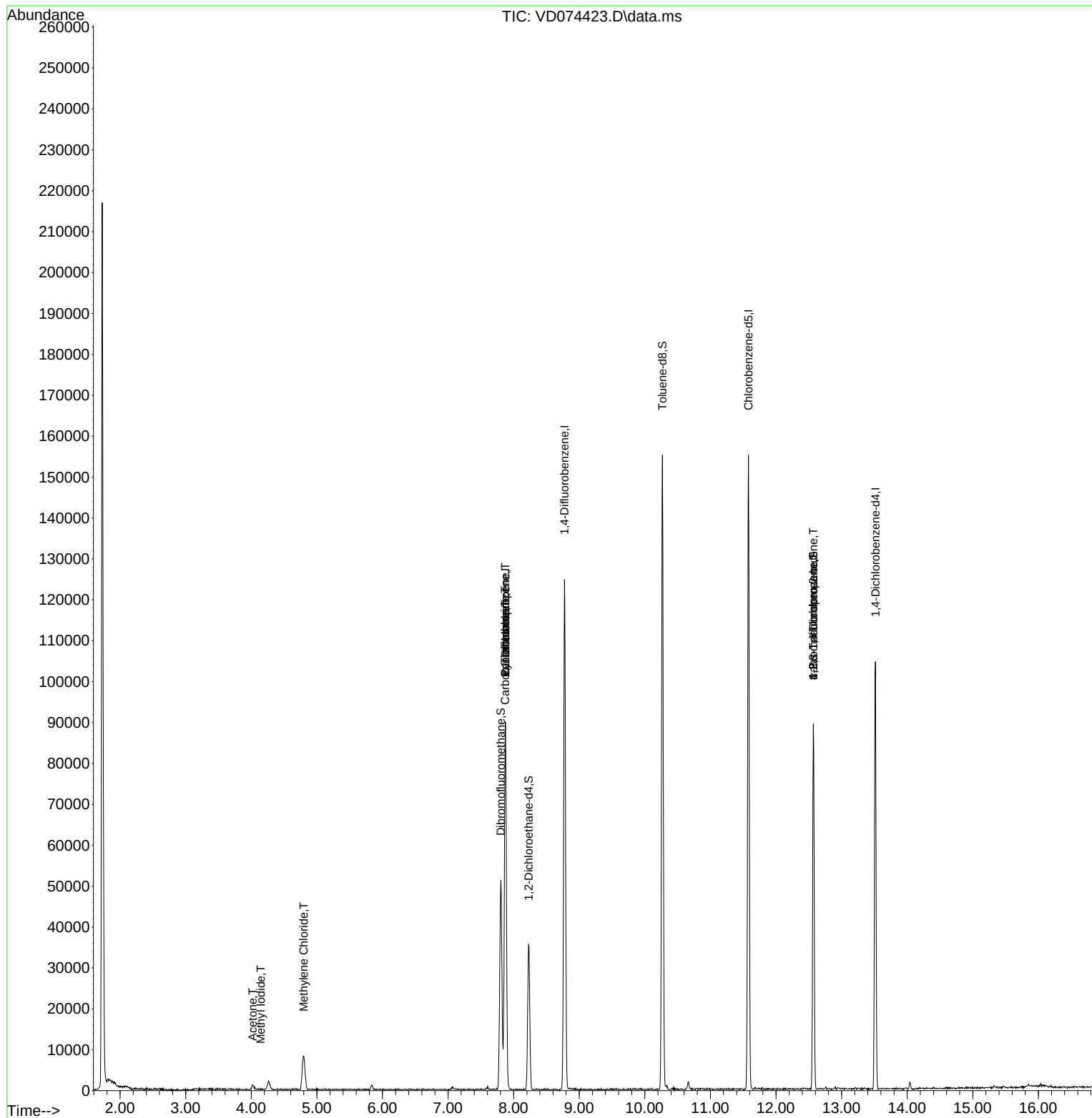
Internal Standards						
1) Pentafluorobenzene	7.875	168	73942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	117652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	96506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	30630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28233	44.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.700%
35) Dibromofluoromethane	7.804	113	37664	47.382	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.760%
50) Toluene-d8	10.269	98	112844	42.176	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.360%
62) 4-Bromofluorobenzene	12.569	95	26870	25.897	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	51.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	276	Below Cal	#	37
10) Methyl Iodide	4.146	142	69	7.287	ug/l #	43
16) Acetone	4.022	43	1736	14.057	ug/l	89
20) Methylene Chloride	4.799	84	7514	1.216	ug/l	95
31) Cyclohexane	7.875	56	1127	1.043	ug/l #	47
36) 1,1-Dichloropropene	7.875	75	5030	4.708	ug/l #	42
38) Carbon Tetrachloride	7.869	117	6818	6.669	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	13478	56.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	13478	137.284	ug/l #	17

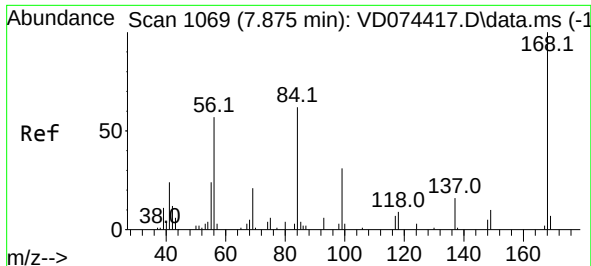
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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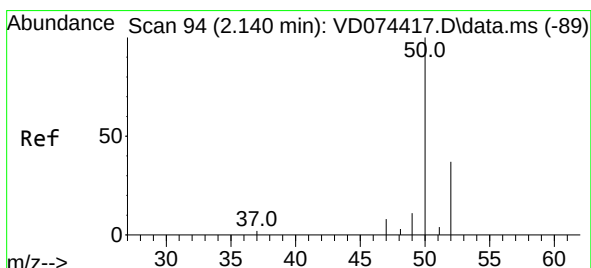
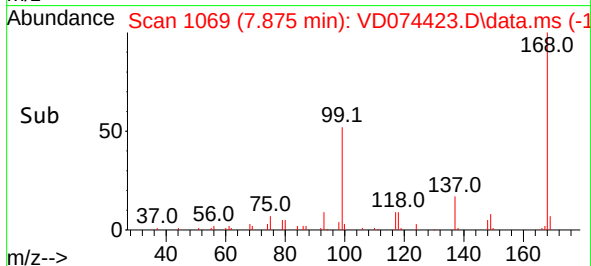
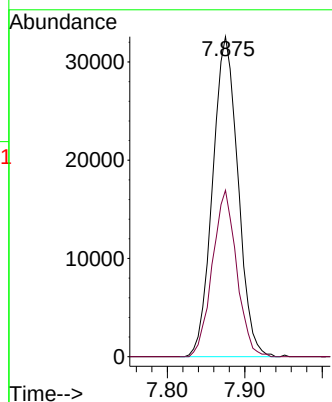
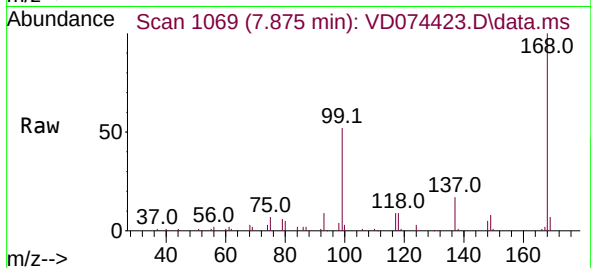




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

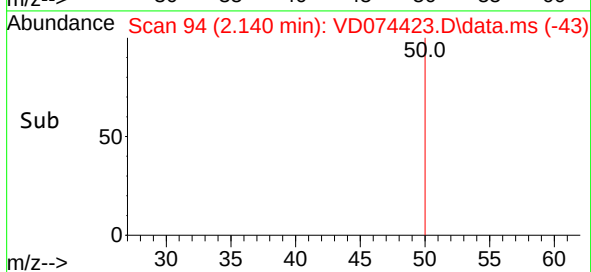
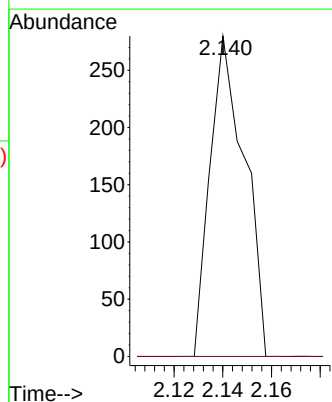
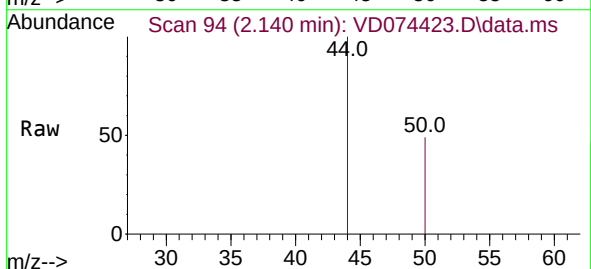
Instrument :
MSVOA_D
ClientSampleId :
D22016-18

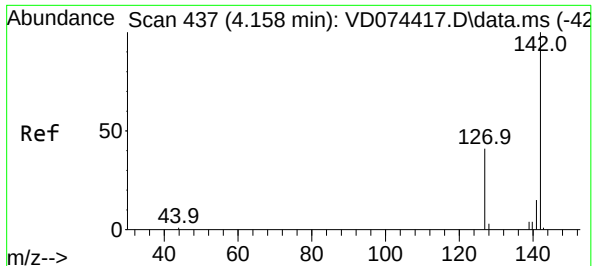
Tgt Ion:168 Resp: 73942
Ion Ratio Lower Upper
168 100
99 52.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. 0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

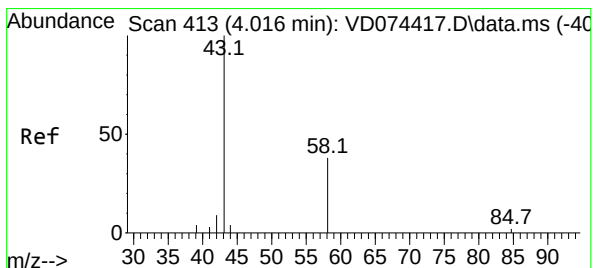
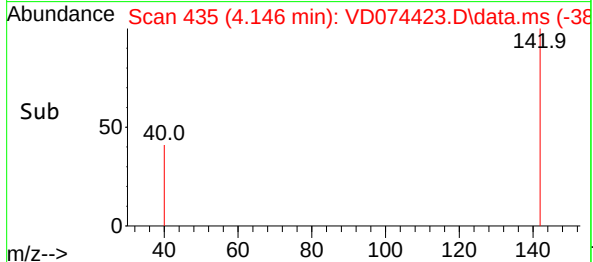
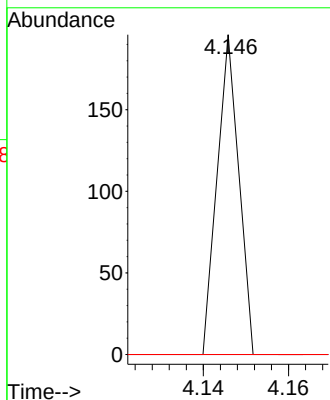
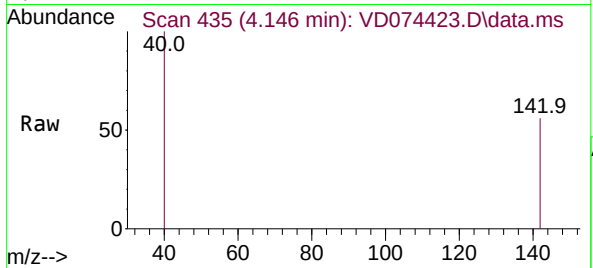




#10
Methyl Iodide
Concen: 7.287 ug/l
RT: 4.146 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

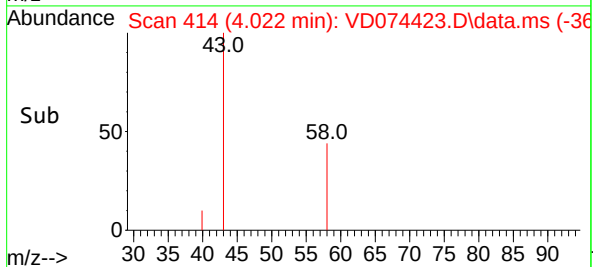
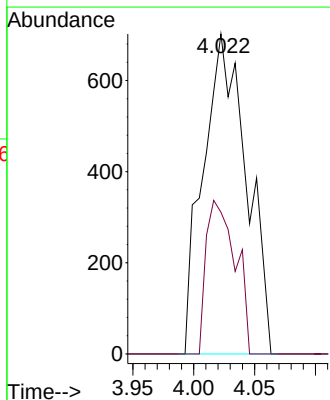
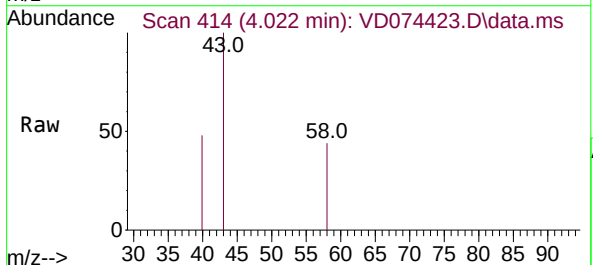
Instrument :
MSVOA_D
ClientSampleId :
D22016-18

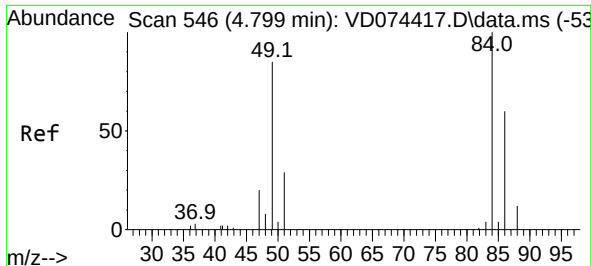
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 14.057 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 44.3 30.2 45.2

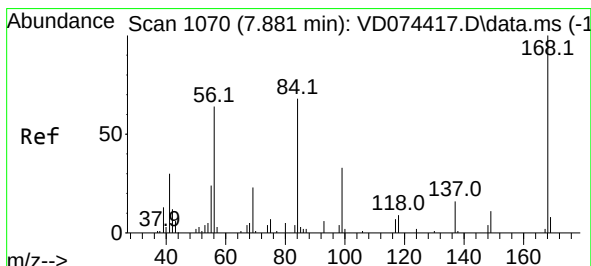
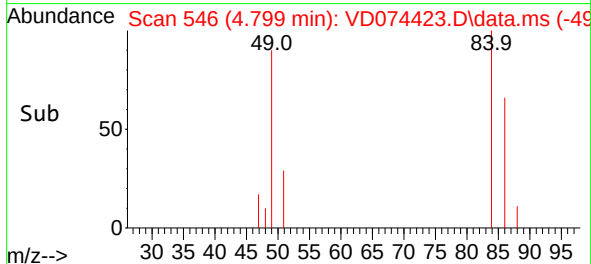
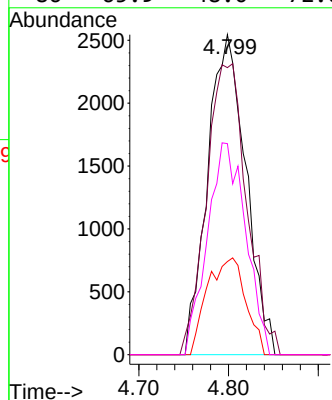
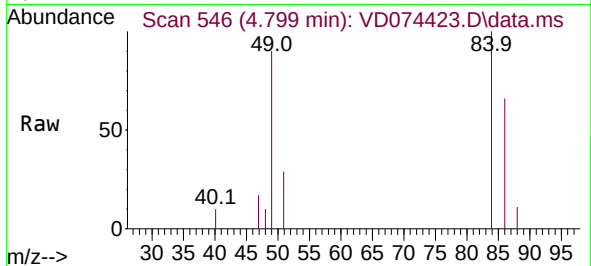




#20
Methylene Chloride
Concen: 1.216 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

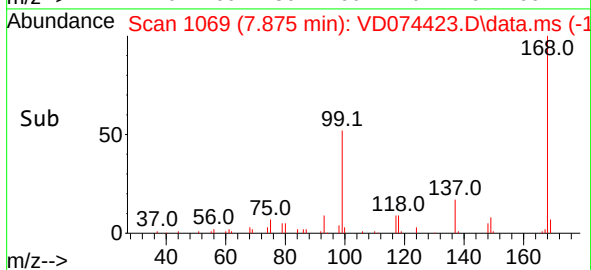
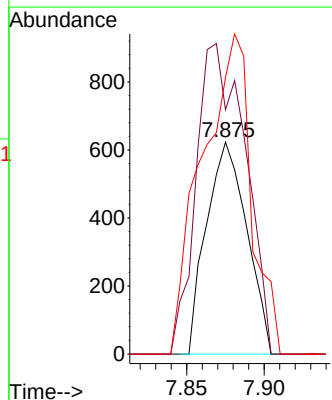
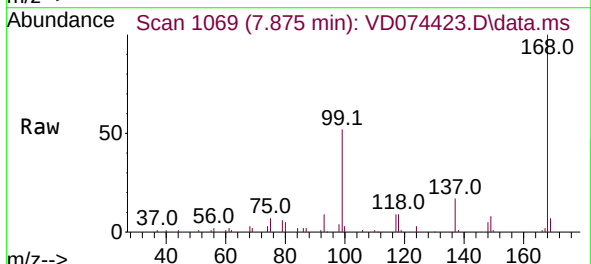
Instrument :
MSVOA_D
ClientSampleId :
D22016-18

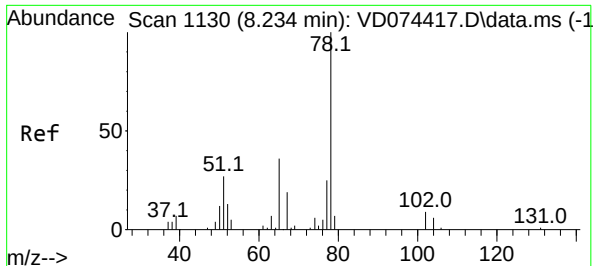
Tgt Ion: 84	Resp: 7514
Ion Ratio	Lower Upper
84 100	
49 89.7	68.0 102.0
51 29.1	23.2 34.8
86 65.9	48.0 72.0



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Tgt Ion: 56	Resp: 1127		
Ion Ratio	Lower	Upper	
56	100		
69	115.2	29.2	43.8#
84	130.3	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 44.350 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074423.D

Acq: 26 Sep 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

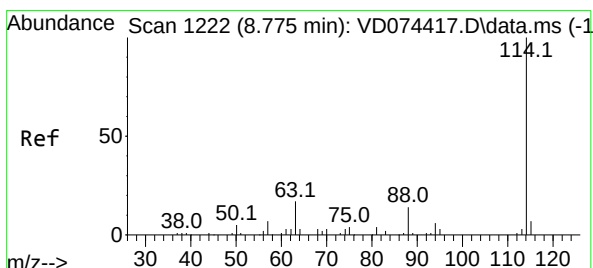
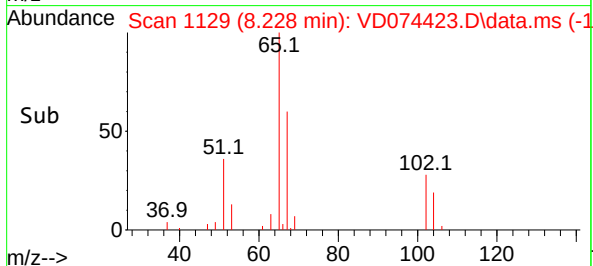
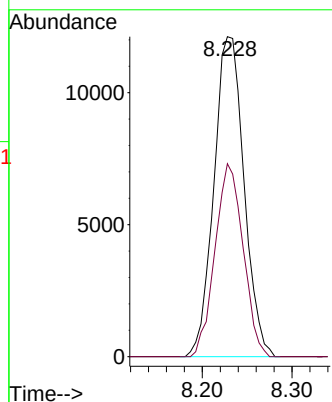
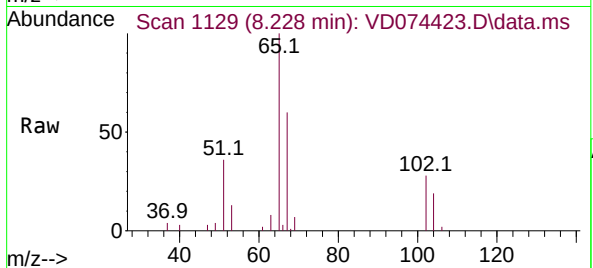
D22016-18

Tgt Ion: 65 Resp: 28233

Ion Ratio Lower Upper

65 100

67 56.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074423.D

Acq: 26 Sep 2022 17:10

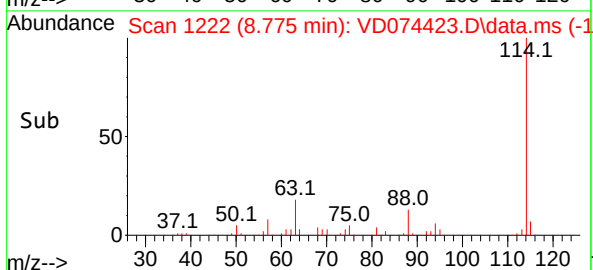
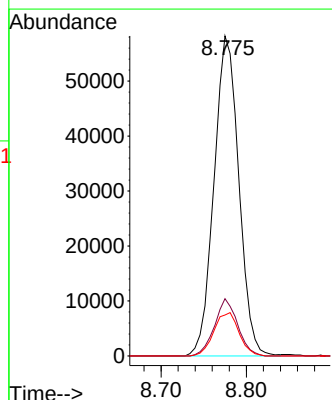
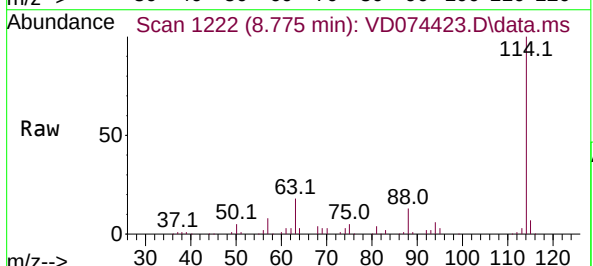
Tgt Ion: 114 Resp: 117652

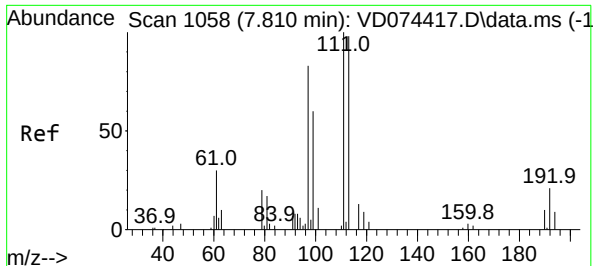
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.2

88 12.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 47.382 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD074423.D

Acq: 26 Sep 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

D22016-18

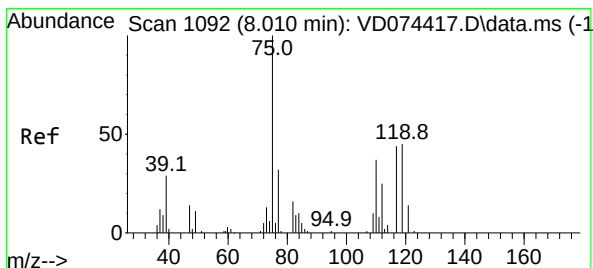
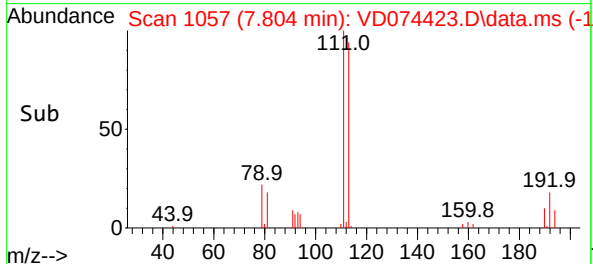
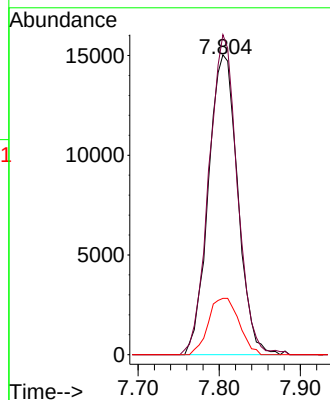
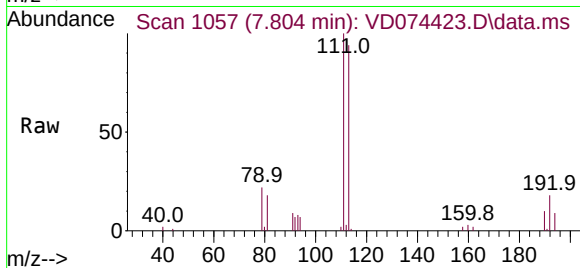
Tgt Ion:113 Resp: 37664

Ion Ratio Lower Upper

113 100

111 103.9 82.3 123.5

192 19.6 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.708 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD074423.D

Acq: 26 Sep 2022 17:10

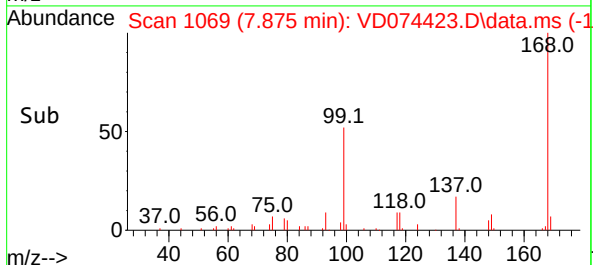
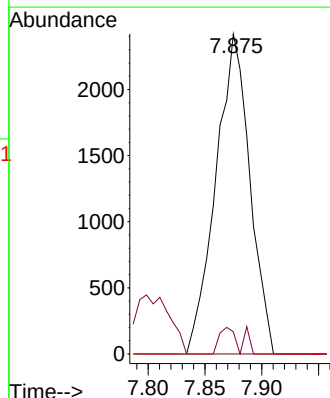
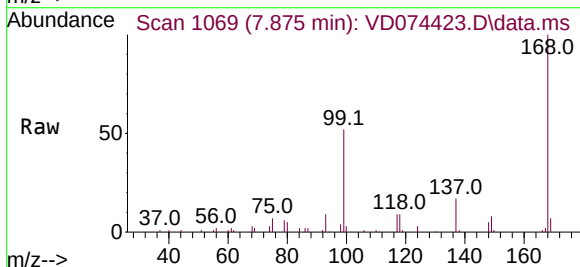
Tgt Ion: 75 Resp: 5030

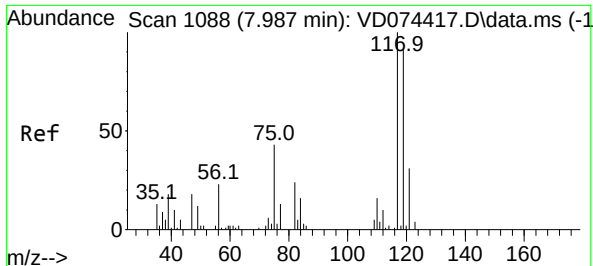
Ion Ratio Lower Upper

75 100

110 3.7 19.7 59.0#

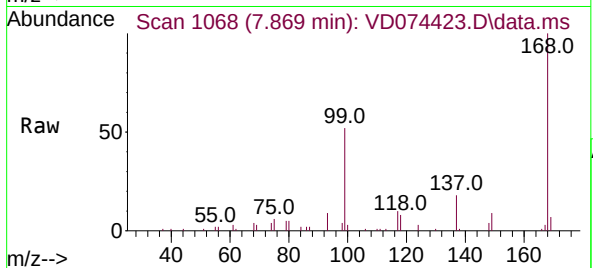
77 0.0 25.4 38.2#



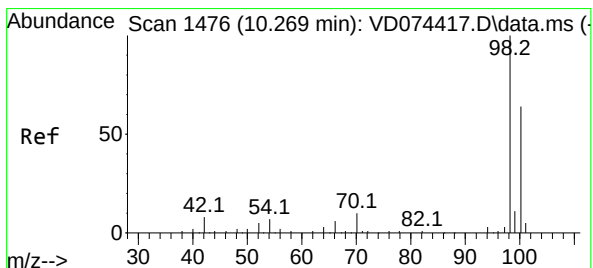
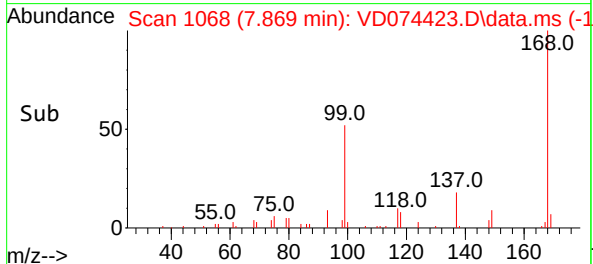
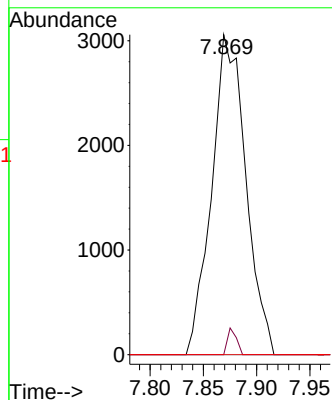


#38
Carbon Tetrachloride
Concen: 6.669 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
D22016-18

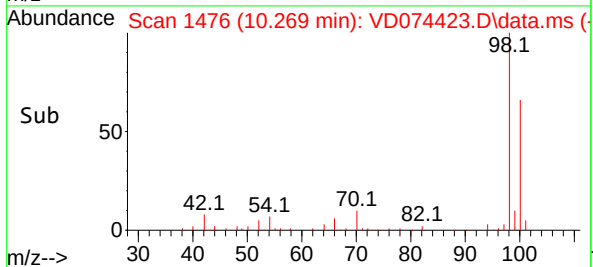
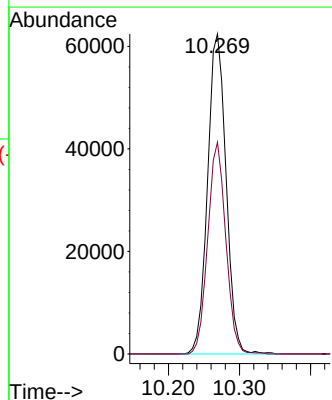
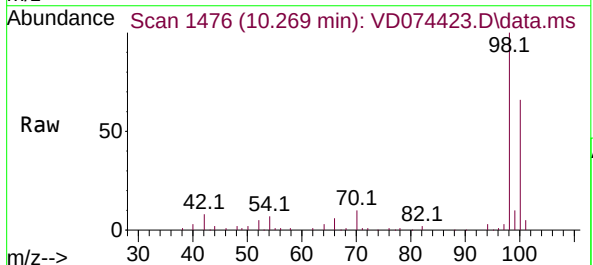


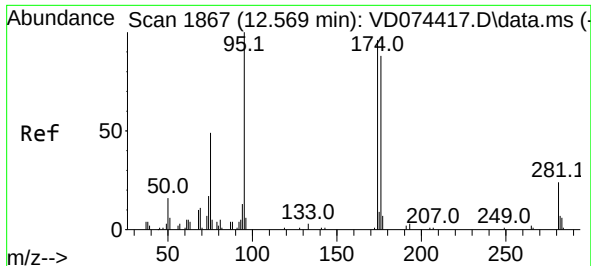
Tgt Ion:117 Resp: 6818
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 42.176 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Tgt Ion: 98 Resp: 112844
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

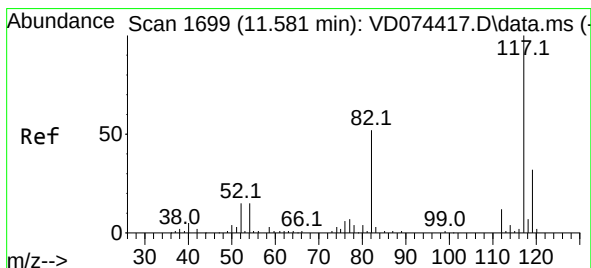
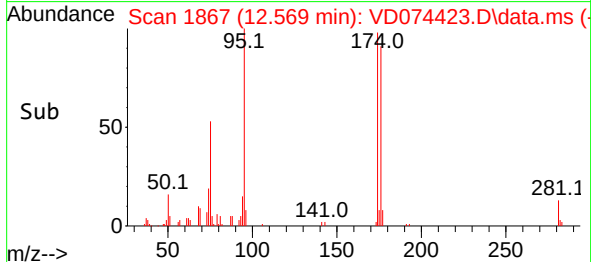
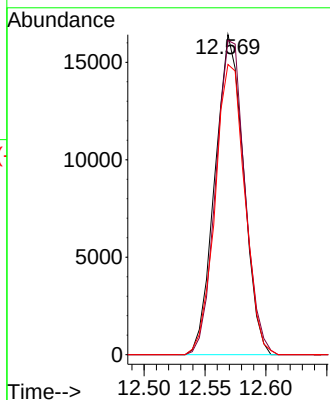
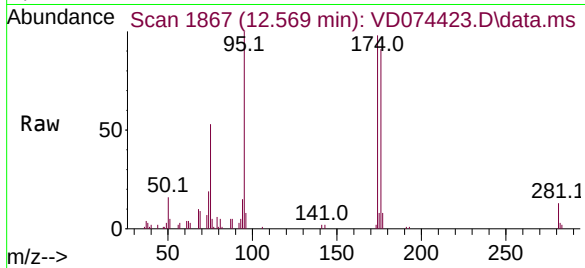




#62
4-Bromofluorobenzene
Concen: 25.897 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

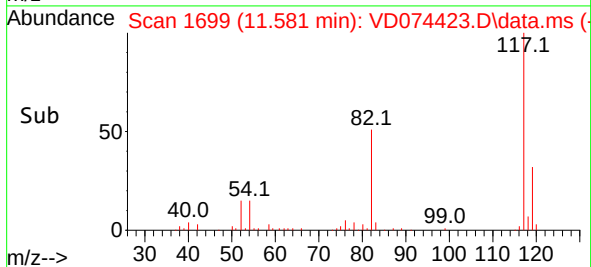
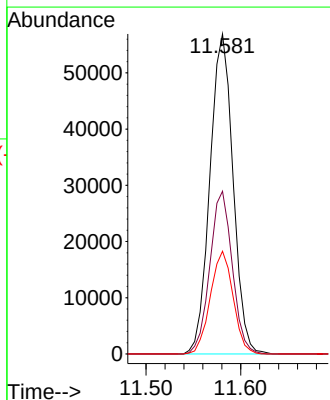
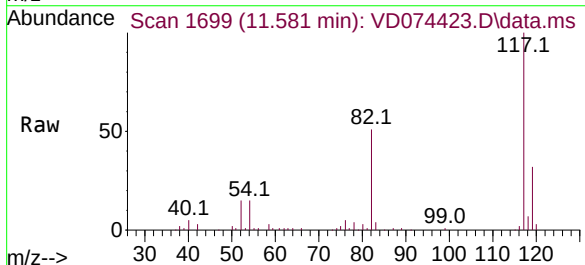
Instrument :
MSVOA_D
ClientSampleId :
D22016-18

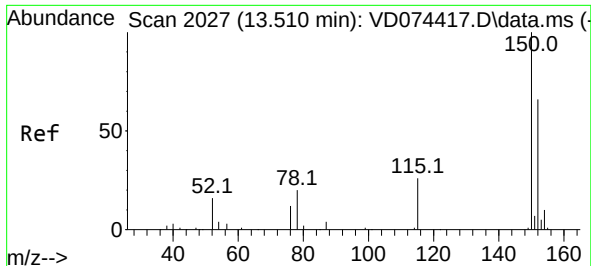
Tgt Ion:	95	Resp:	26870
Ion	Ratio	Lower	Upper
95	100		
174	99.2	0.0	197.0
176	93.8	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074423.D
Acq: 26 Sep 2022 17:10

Tgt Ion:	117	Resp:	96506
Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.6	62.4
119	32.1	25.2	37.8

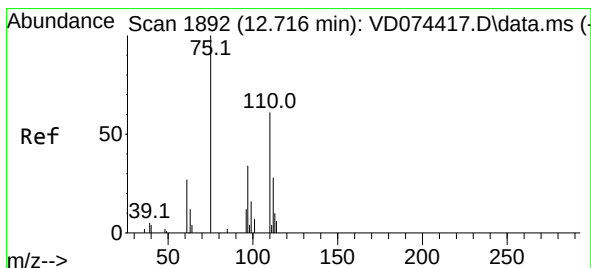
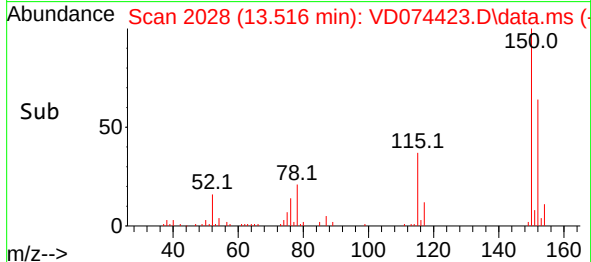
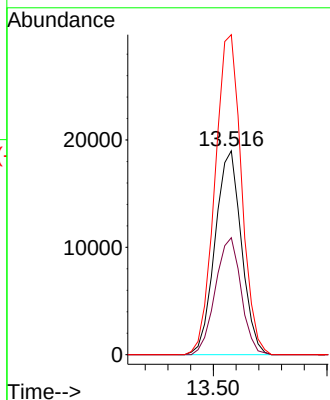
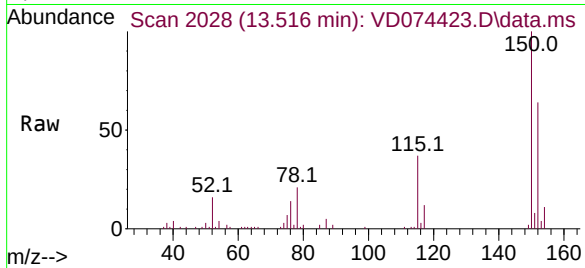




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: VD074423.D
 Acq: 26 Sep 2022 17:10

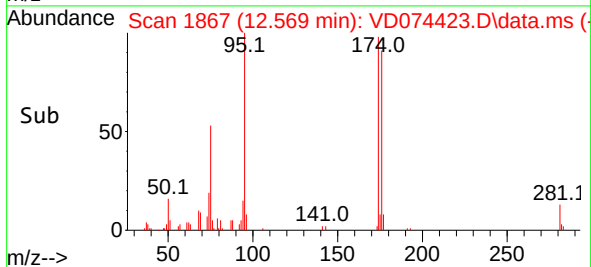
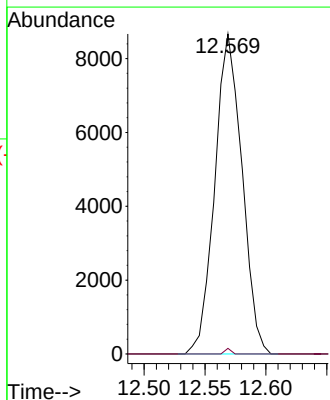
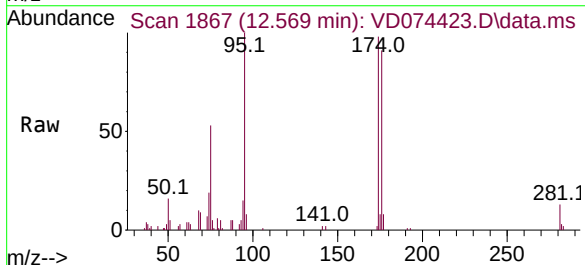
Instrument :
 MSVOA_D
 ClientSampleId :
 D22016-18

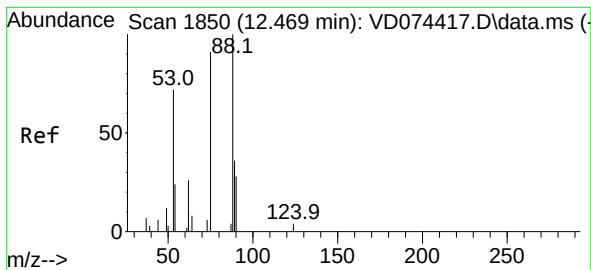
Tgt Ion:152 Resp: 30630
 Ion Ratio Lower Upper
 152 100
 115 56.0 26.8 80.4
 150 157.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 56.259 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074423.D
 Acq: 26 Sep 2022 17:10

Tgt Ion: 75 Resp: 13478
 Ion Ratio Lower Upper
 75 100
 77 0.4 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.284 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074423.D
 Acq: 26 Sep 2022 17:10

Instrument :
 MSVOA_D
 ClientSampleId :
 D22016-18

Tgt Ion: 75 Resp: 13478
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

