

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076219.D
 Acq On : 24 May 2023 17:39
 Operator : KP/SY
 Sample : 02892-13
 Misc : 5.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-29

Quant Time: May 25 06:02:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

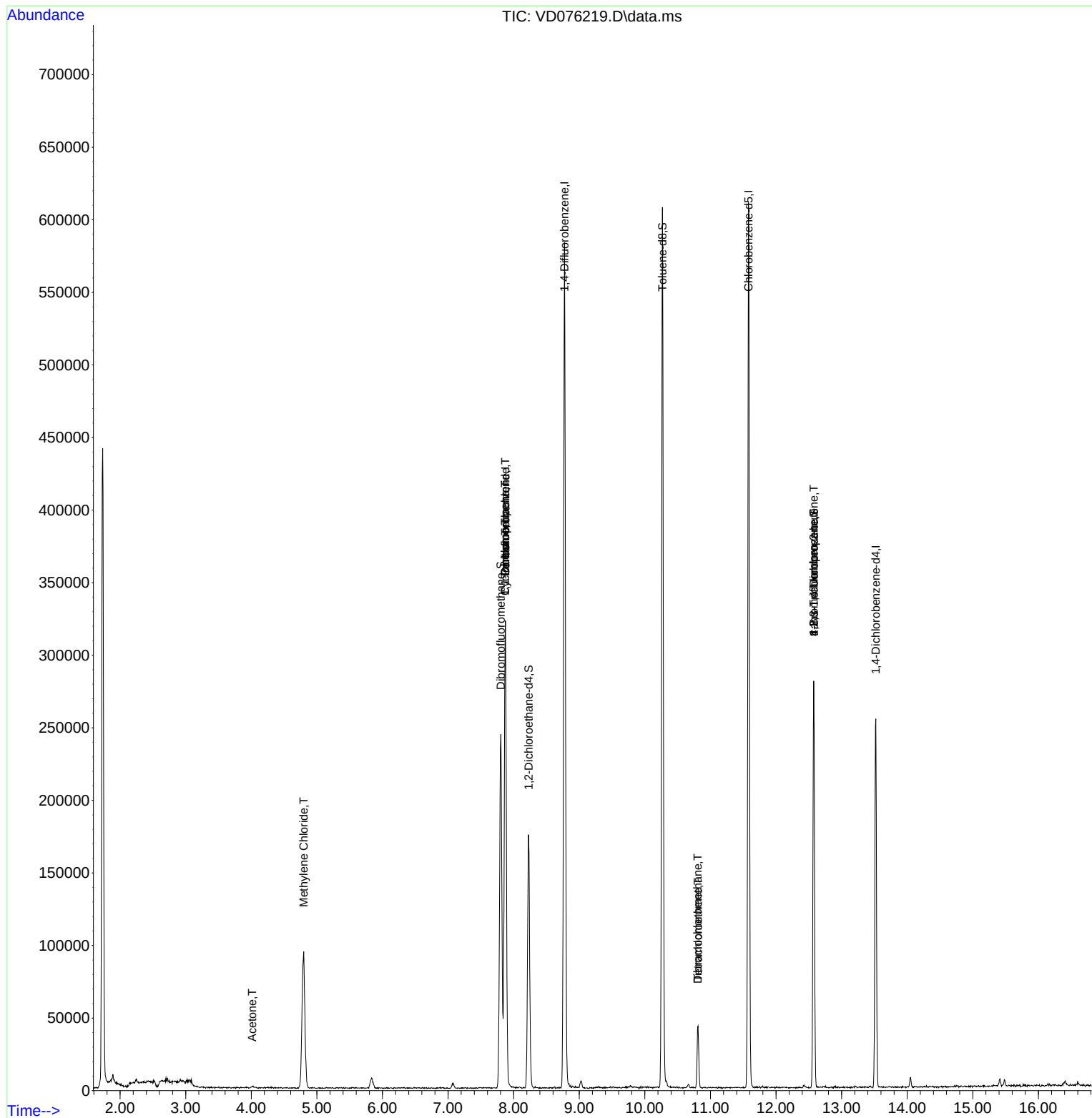
Internal Standards						
1) Pentafluorobenzene	7.875	168	260200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	550362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	377637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	74667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	132355	52.631	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.260%	
35) Dibromofluoromethane	7.804	113	188148	49.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.920%	
50) Toluene-d8	10.269	98	440938	29.733	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 59.460%	
62) 4-Bromofluorobenzene	12.575	95	91175	22.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 44.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	614	Below Cal	#	40
16) Acetone	4.016	43	2385	4.767	ug/l #	58
17) Carbon Disulfide	4.263	76	614	Below Cal	#	73
20) Methylene Chloride	4.799	84	82400	14.098	ug/l #	80
31) Cyclohexane	7.869	56	5352	1.390	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	20116	3.915	ug/l #	50
38) Carbon Tetrachloride	7.875	117	24301	5.236	ug/l #	16
60) Dibromochloromethane	10.804	129	9542	2.591	ug/l #	11
64) Tetrachloroethene	10.810	164	10346	3.563	ug/l	94
76) 1,2,3-Trichloropropane	12.575	75	43823	67.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	43823	140.700	ug/l #	5

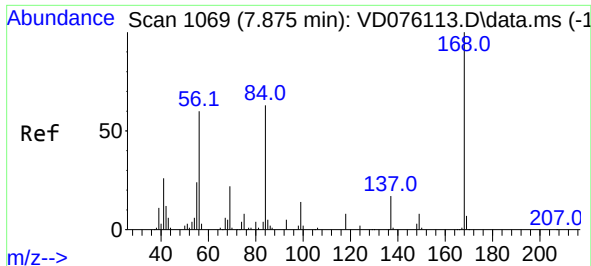
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

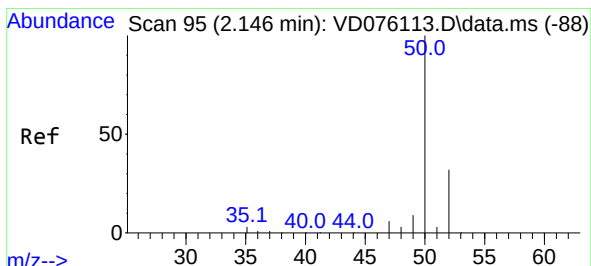
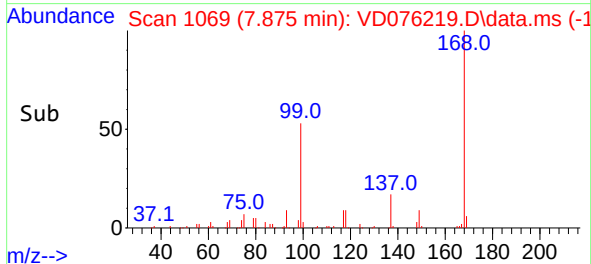
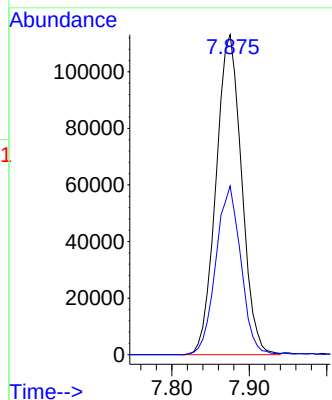
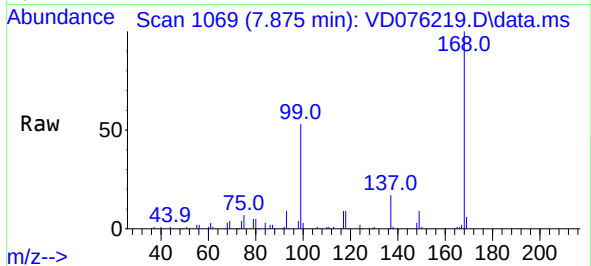




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

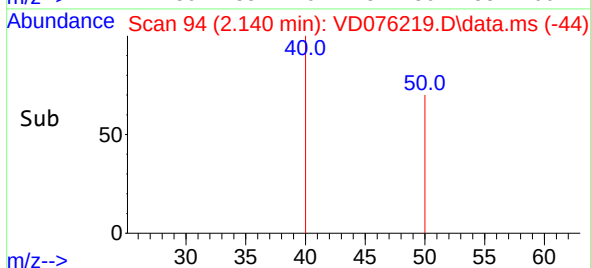
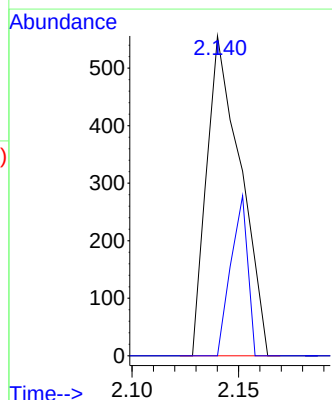
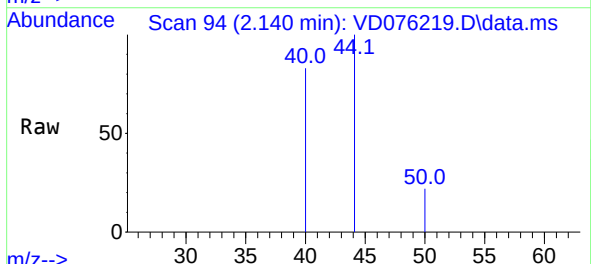
Instrument :
MSVOA_D
ClientSampleId :
TP-29

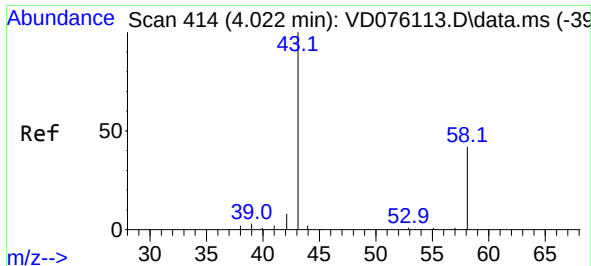
Tgt Ion:168 Resp: 260200
Ion Ratio Lower Upper
168 100
99 52.7 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

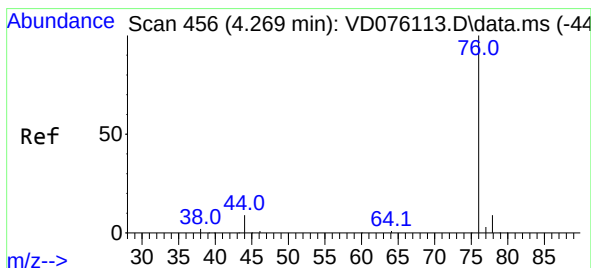
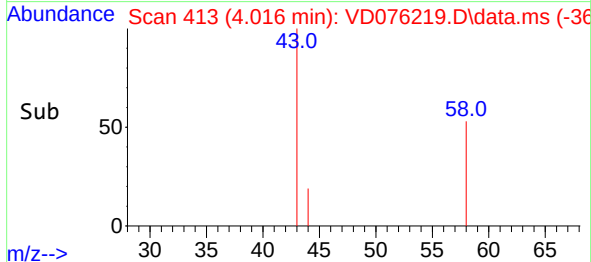
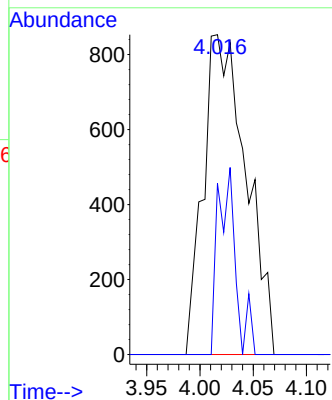
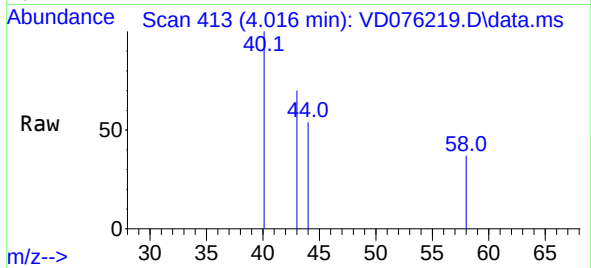




#16
Acetone
Concen: 4.767 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

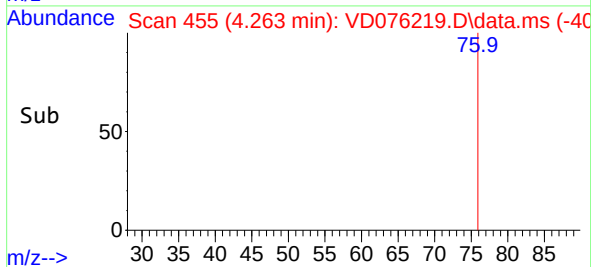
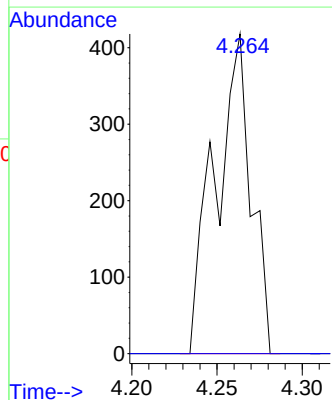
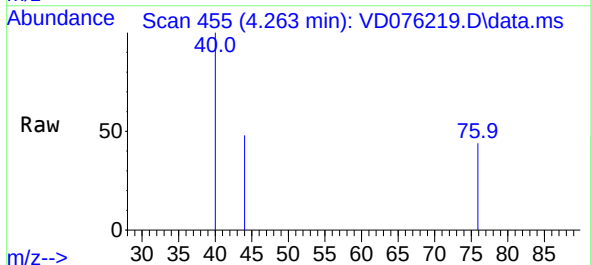
Instrument :
MSVOA_D
ClientSampleId :
TP-29

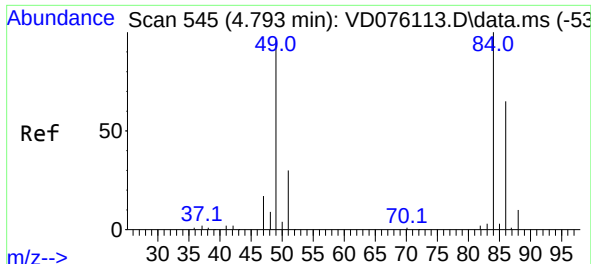
Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
58 53.5 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.263 min Scan# 455
Delta R.T. -0.006 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Tgt Ion: 76 Resp: 614
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

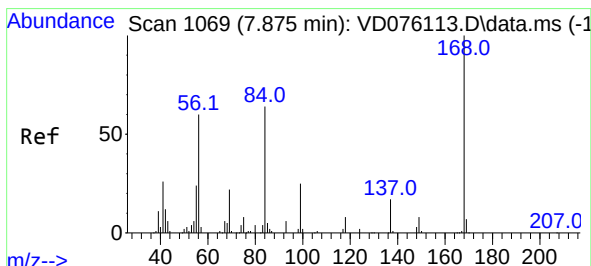
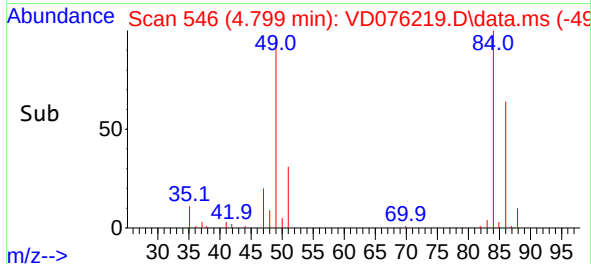
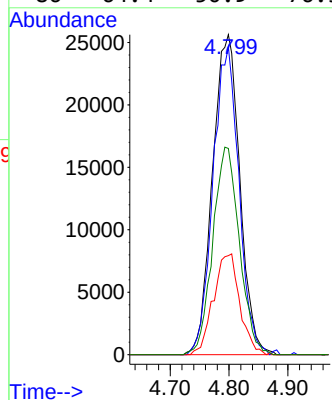
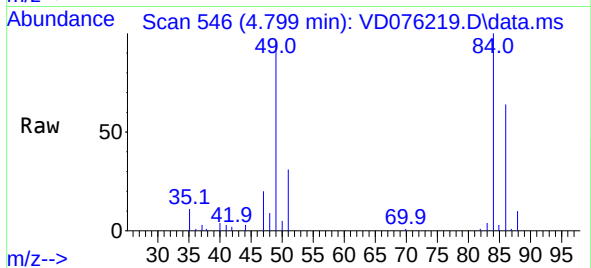




#20
Methylene Chloride
Concen: 14.098 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

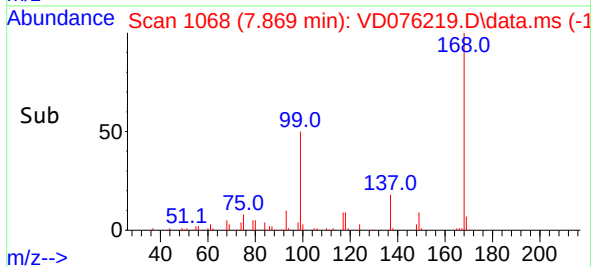
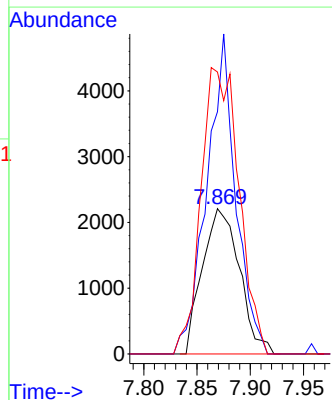
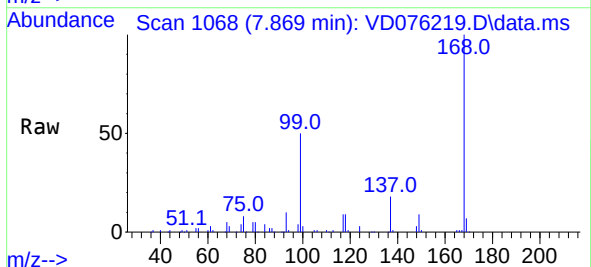
Instrument :
MSVOA_D
ClientSampleId :
TP-29

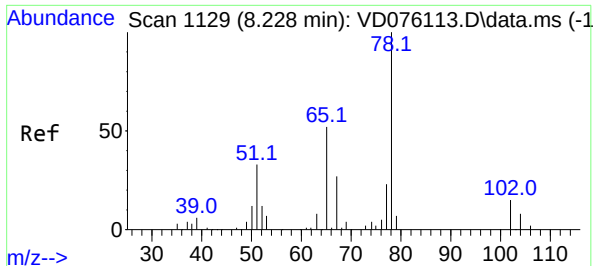
Tgt Ion: 84	Resp: 82400
Ion Ratio	Lower Upper
84 100	
49 96.2	106.4 159.6#
51 31.0	32.4 48.6#
86 64.4	50.9 76.3



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Tgt Ion: 56	Resp: 5352		
Ion Ratio	Lower	Upper	
56	100		
69	166.8	25.5	38.3#
84	194.1	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 52.631 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

Instrument :

MSVOA_D

ClientSampleId :

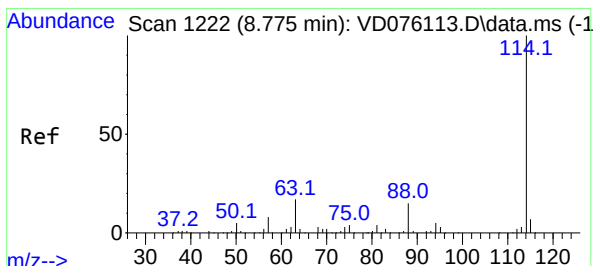
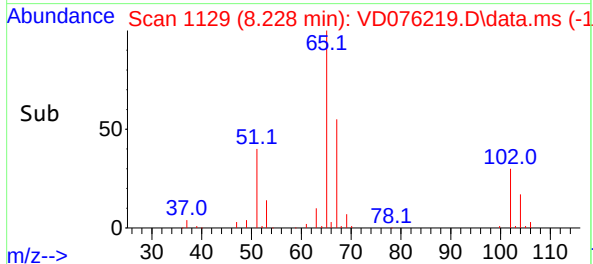
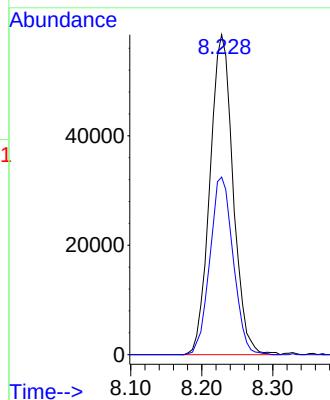
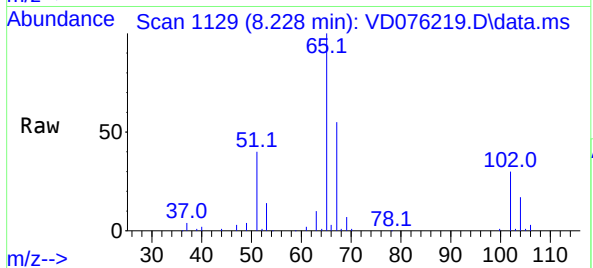
TP-29

Tgt Ion: 65 Resp: 132355

Ion Ratio Lower Upper

65 100

67 55.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

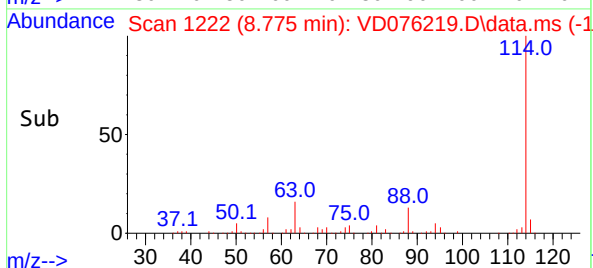
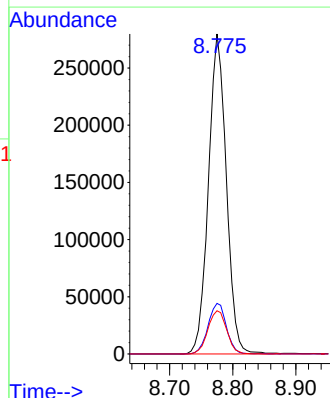
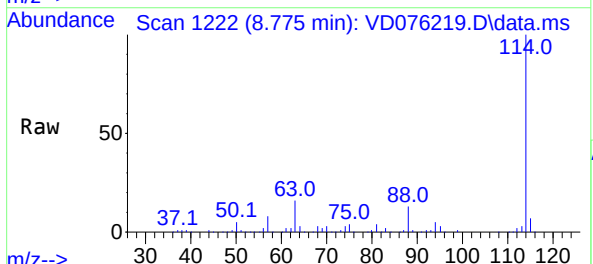
Tgt Ion: 114 Resp: 550362

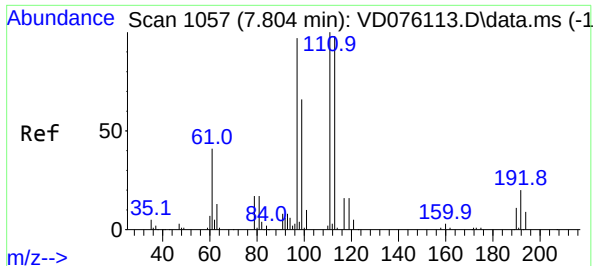
Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.458 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

Instrument :

MSVOA_D

ClientSampleId :

TP-29

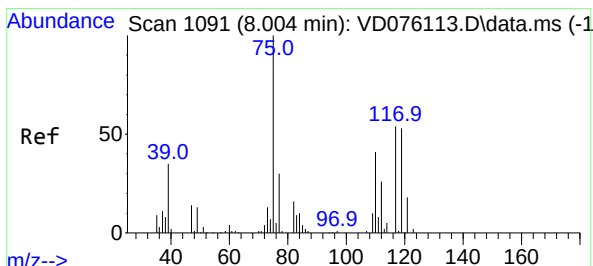
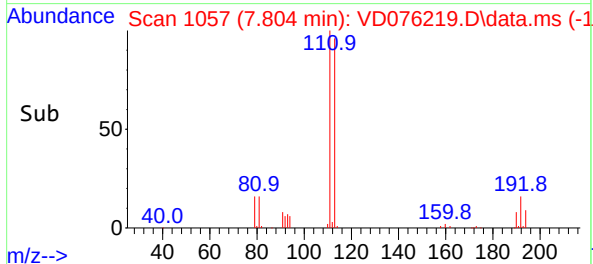
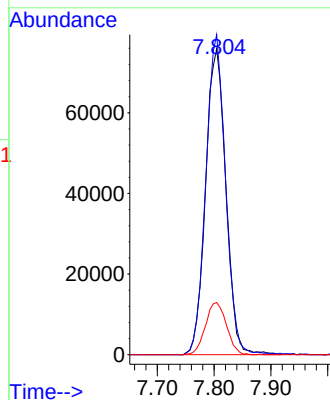
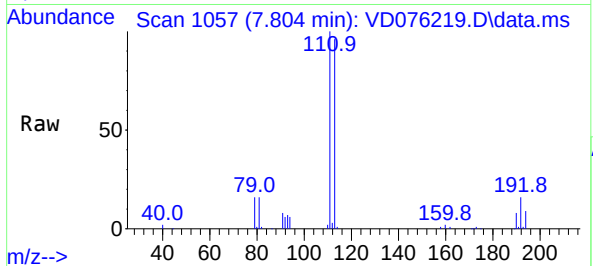
Tgt Ion:113 Resp: 188148

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 17.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.915 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

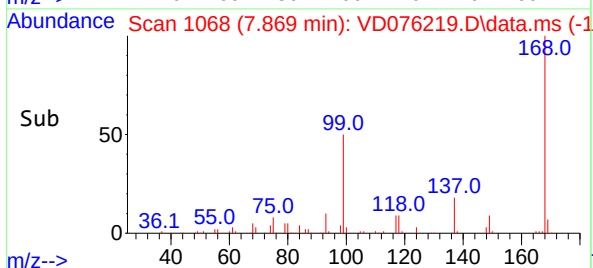
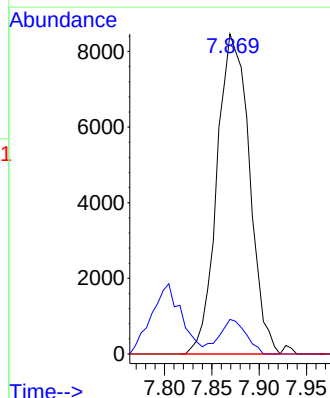
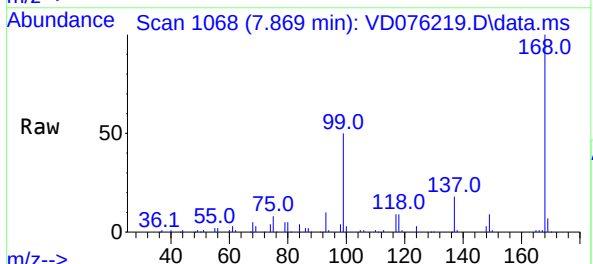
Tgt Ion: 75 Resp: 20116

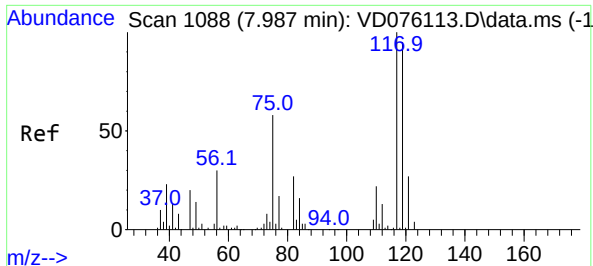
Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

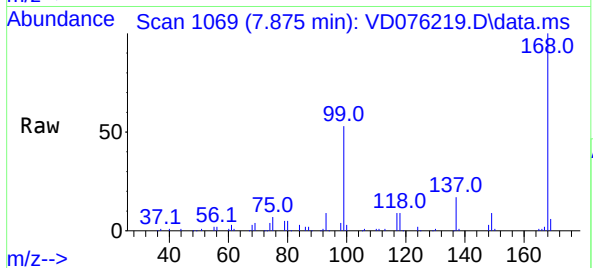
77 0.0 24.6 36.8#



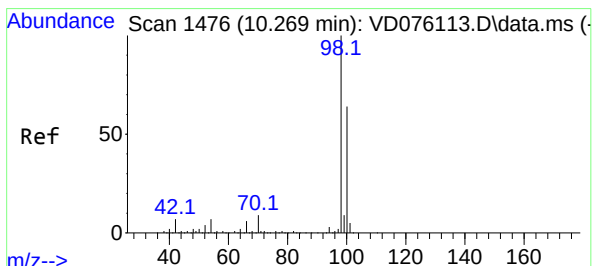
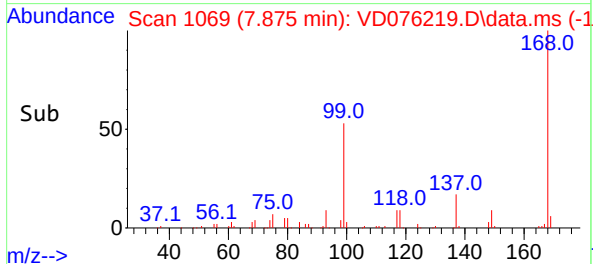
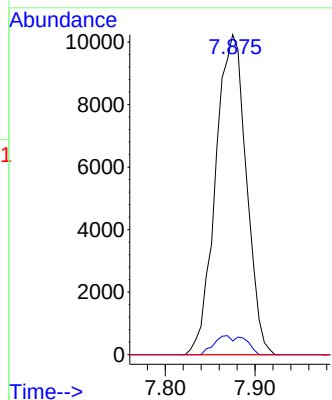


#38
Carbon Tetrachloride
Concen: 5.236 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :
TP-29

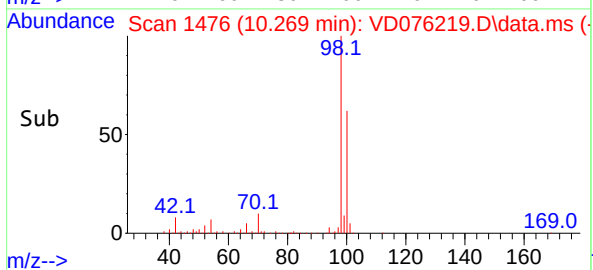
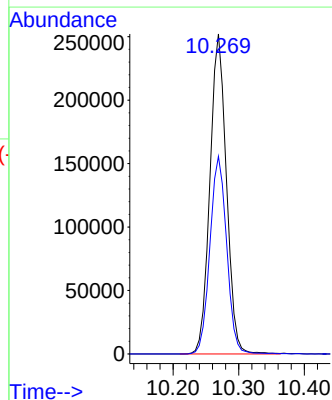
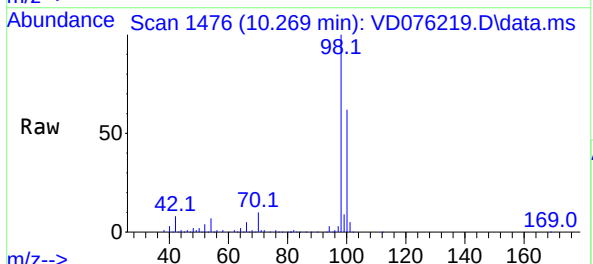


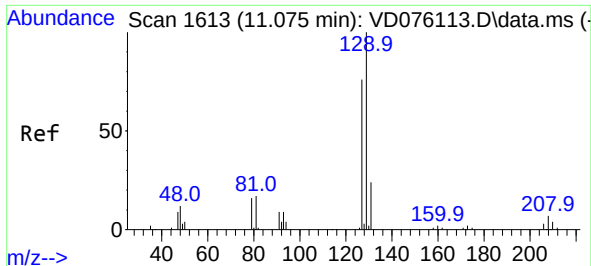
Tgt Ion:117 Resp: 24301
Ion Ratio Lower Upper
117 100
119 4.3 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 29.733 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Tgt Ion: 98 Resp: 440938
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1

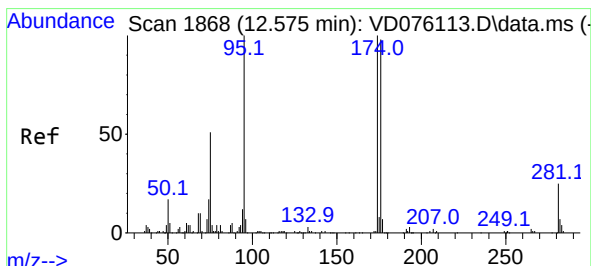
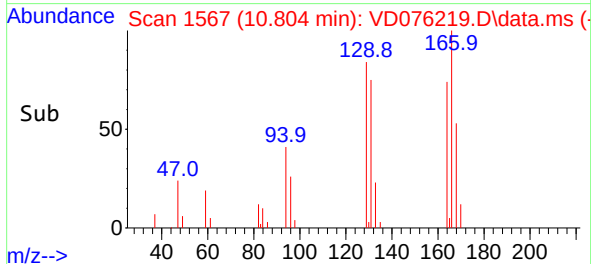
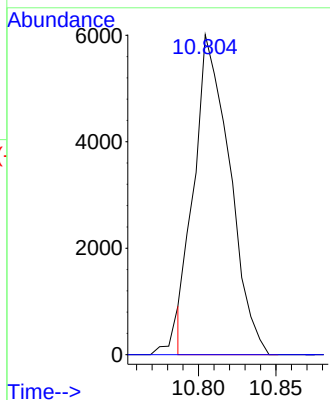
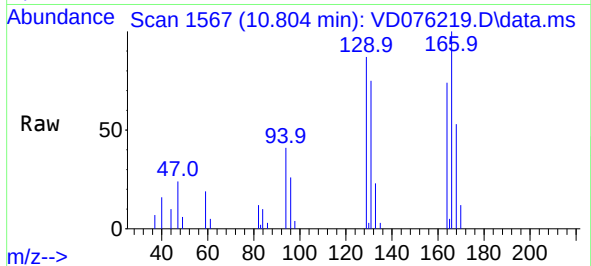




#60
Dibromochloromethane
Concen: 2.591 ug/l
RT: 10.804 min Scan# 11
Delta R.T. -0.271 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

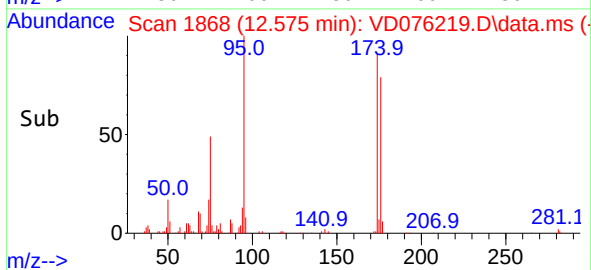
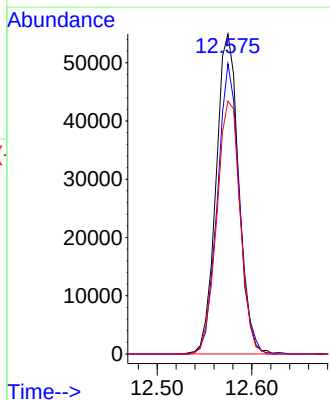
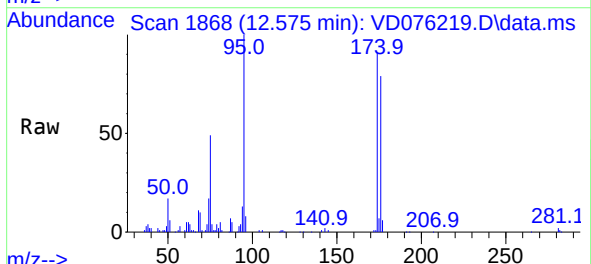
Instrument :
MSVOA_D
ClientSampleId :
TP-29

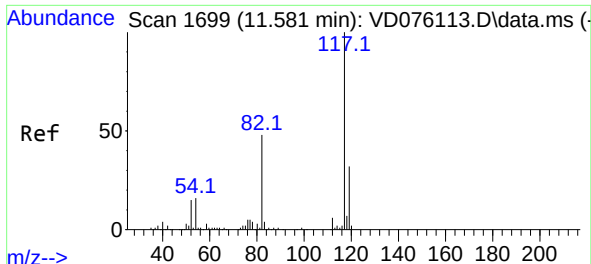
Tgt Ion:129 Resp: 9542
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#



#62
4-Bromofluorobenzene
Concen: 22.133 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

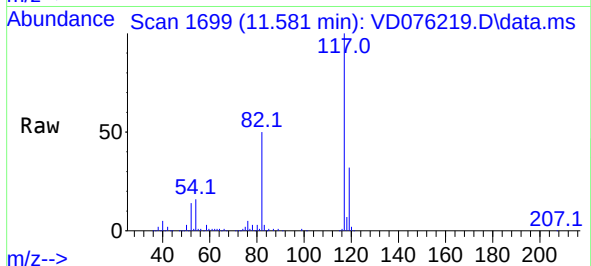
Tgt Ion: 95 Resp: 91175
Ion Ratio Lower Upper
95 100
174 88.4 0.0 164.0
176 81.6 0.0 156.8



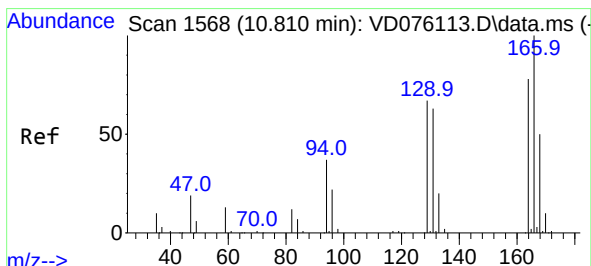
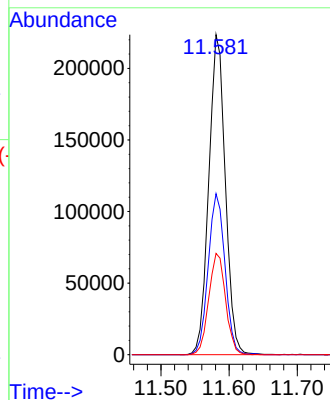
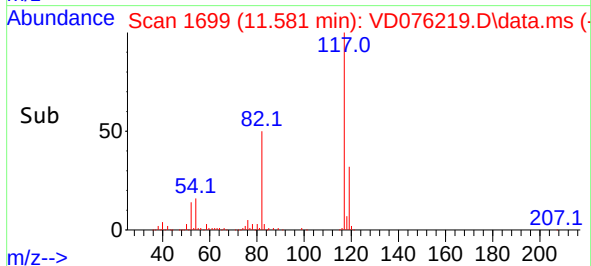


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

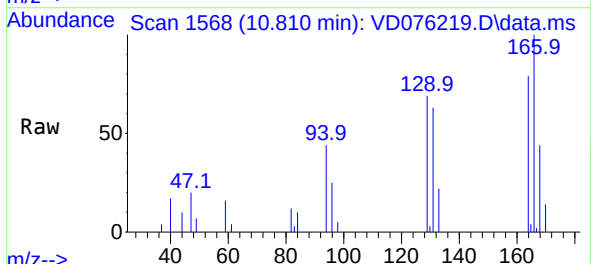
Instrument :
MSVOA_D
ClientSampleId :
TP-29



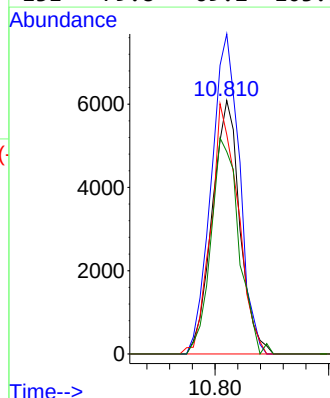
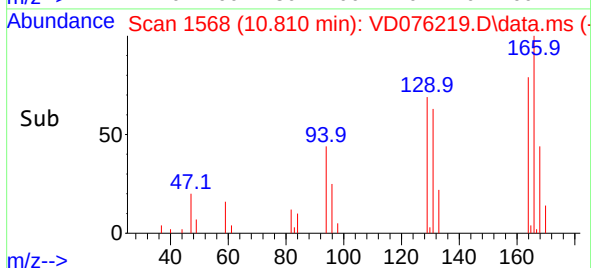
Tgt Ion:117 Resp: 377637
Ion Ratio Lower Upper
117 100
82 50.3 44.0 66.0
119 31.7 25.1 37.7

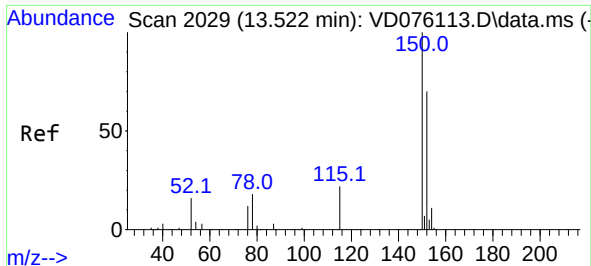


#64
Tetrachloroethene
Concen: 3.563 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39



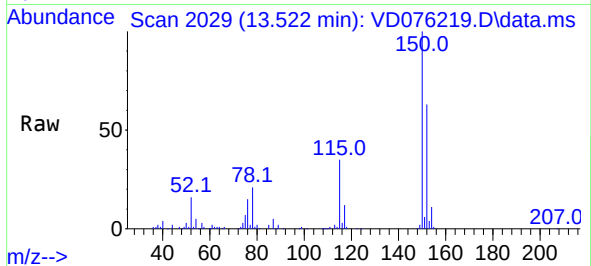
Tgt Ion:164 Resp: 10346
Ion Ratio Lower Upper
164 100
166 126.2 94.9 142.3
129 86.6 73.0 109.6
131 79.8 69.2 103.8



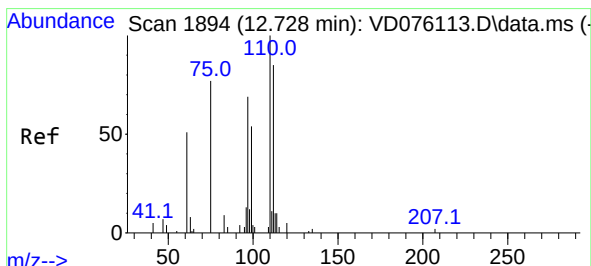
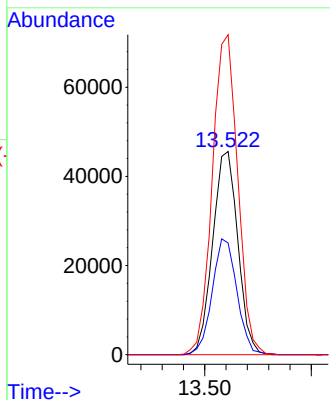
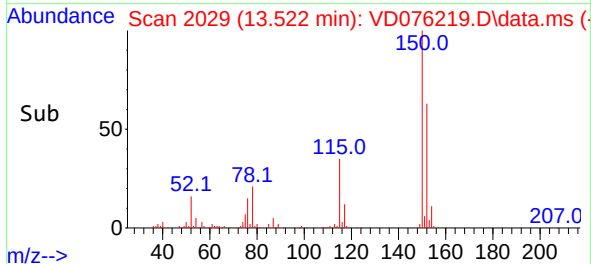


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :
TP-29

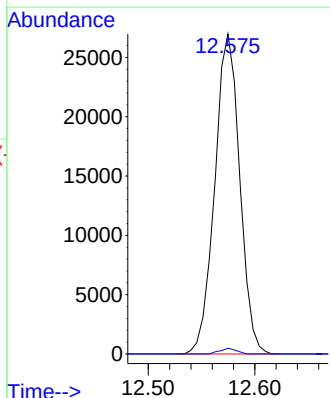
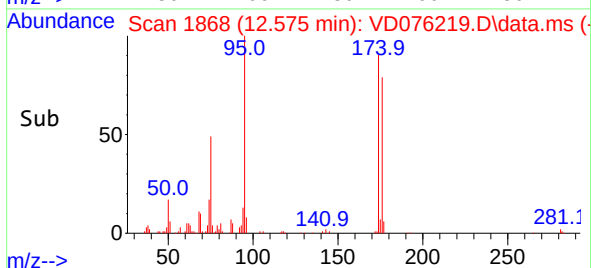
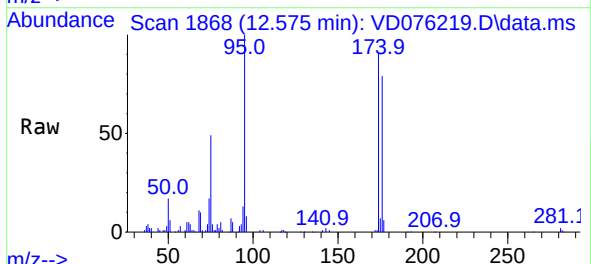


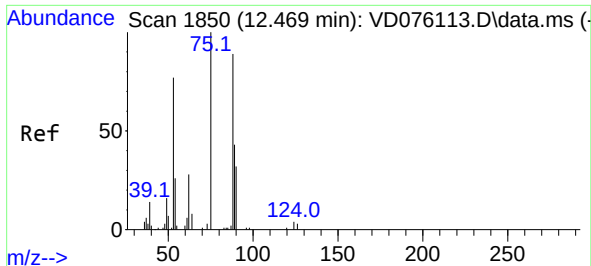
Tgt Ion:152 Resp: 74667
Ion Ratio Lower Upper
152 100
115 56.2 30.1 90.3
150 159.0 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 67.069 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

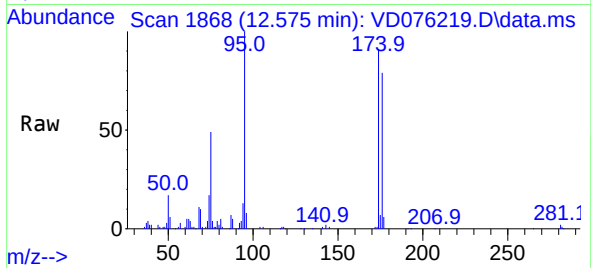
Tgt Ion: 75 Resp: 43823
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 140.700 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD076219.D
Acq: 24 May 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :
TP-29



Tgt Ion: 75 Resp: 43823
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

