

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076235.D
 Acq On : 25 May 2023 16:10
 Operator : KP/SY
 Sample : 02892-13RE
 Misc : 5.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-29RE

Quant Time: May 25 17:12:59 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)

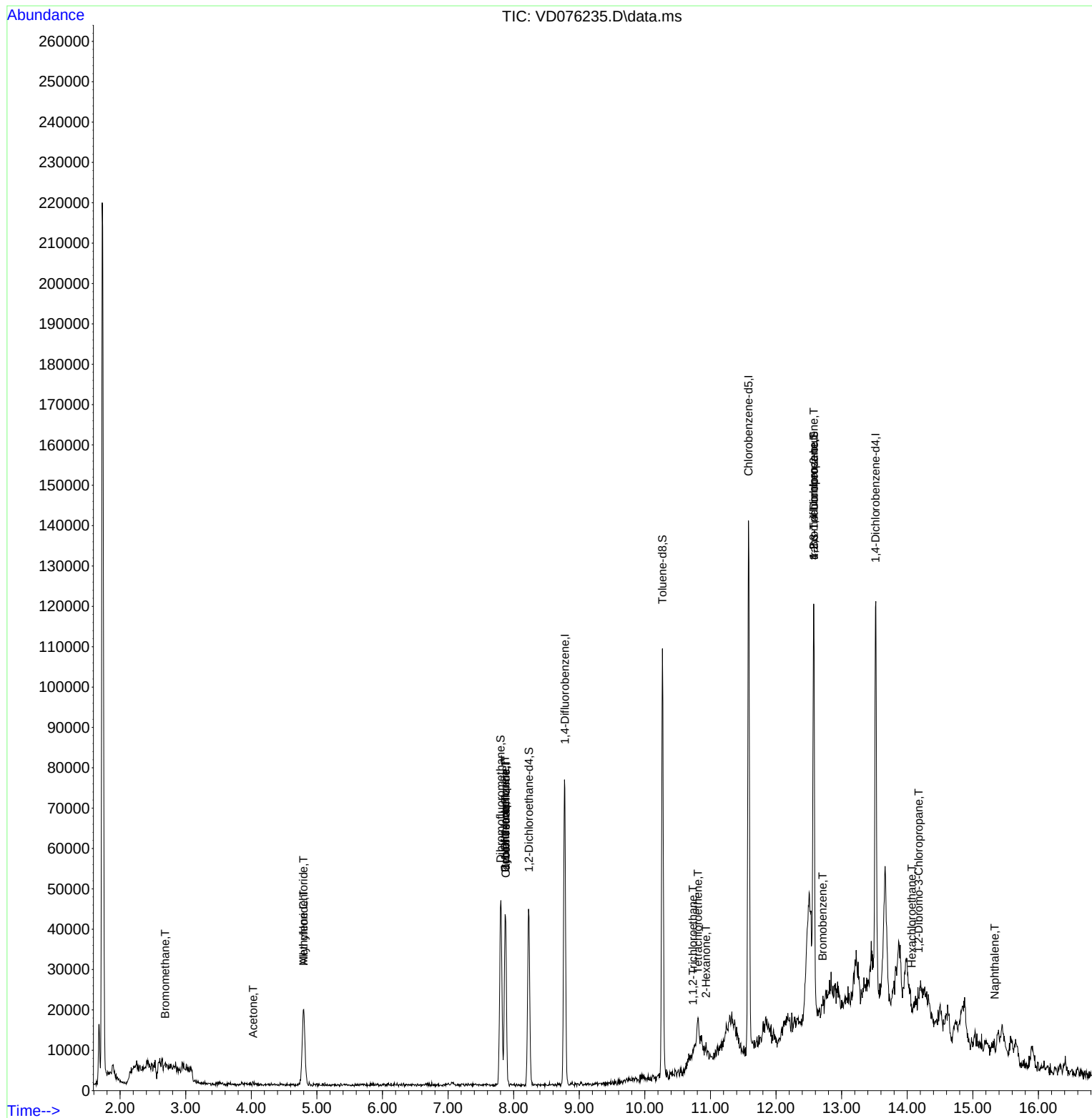
Internal Standards						
1) Pentafluorobenzene	7.875	168	35967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	75055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	83166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	28155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33656	96.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 193.640%#	
35) Dibromofluoromethane	7.798	113	34730	66.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.880%	
50) Toluene-d8	10.269	98	76915	38.032	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.060%	
62) 4-Bromofluorobenzene	12.575	95	31697	56.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	399	Below Cal	#	40
5) Bromomethane	2.687	94	572	1.214	ug/l	82
14) Allyl chloride	4.799	41	551	1.397	ug/l #	20
16) Acetone	4.028	43	366	5.292	ug/l #	44
20) Methylene Chloride	4.793	84	16475	25.249	ug/l #	72
31) Cyclohexane	7.875	56	708	1.330	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	2897	4.135	ug/l #	44
38) Carbon Tetrachloride	7.881	117	3125	4.938	ug/l #	13
55) 1,1,2-Trichloroethane	10.734	97	839	1.879	ug/l #	14
59) 2-Hexanone	10.934	43	308	1.812	ug/l #	27
64) Tetrachloroethene	10.810	164	1511	2.363	ug/l #	61
76) 1,2,3-Trichloropropane	12.575	75	15956	64.762	ug/l #	100
77) Bromobenzene	12.710	156	1254	2.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	15956	135.859	ug/l #	7
90) Hexachloroethane	14.069	117	344	1.005	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.175	75	55	1.058	ug/l #	1
95) Naphthalene	15.333	128	1007	1.052	ug/l #	50

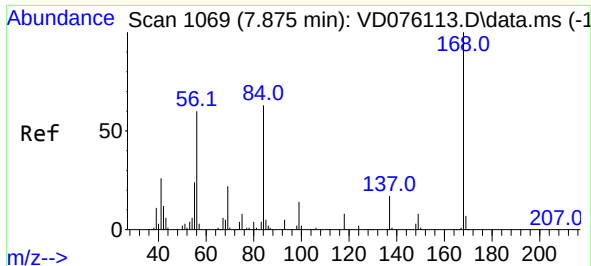
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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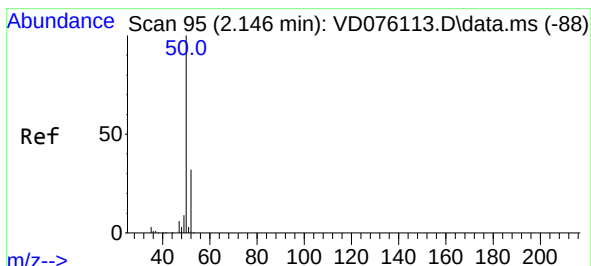
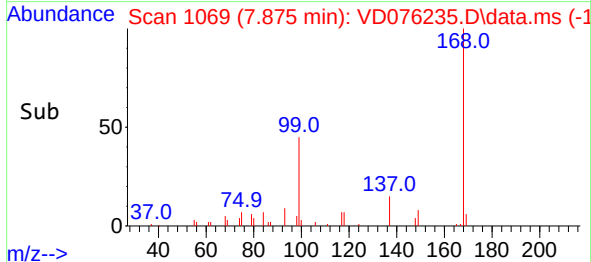
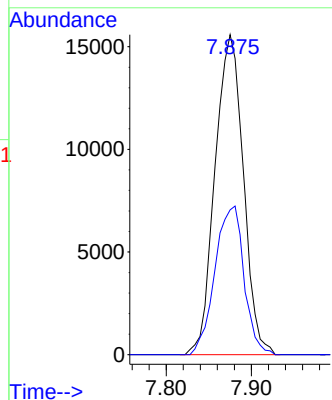
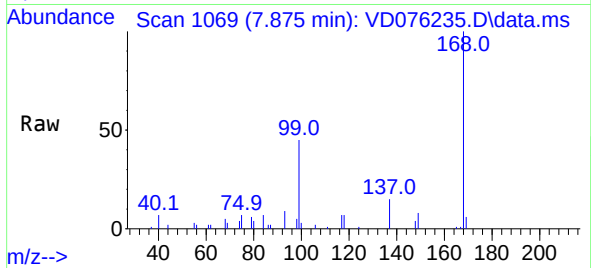




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

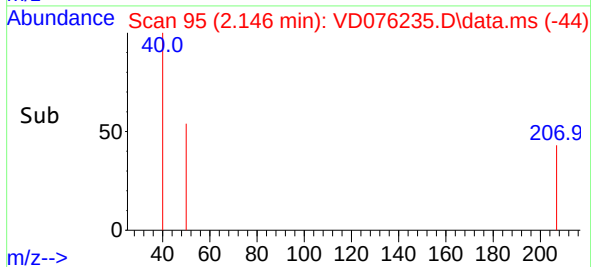
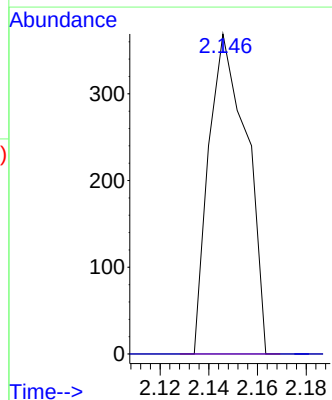
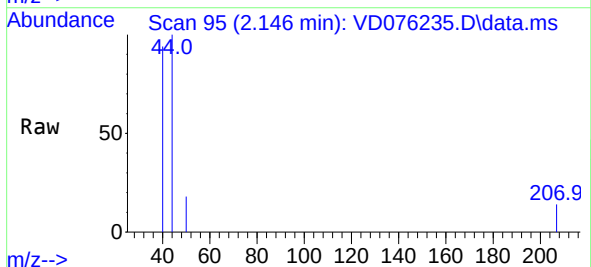
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

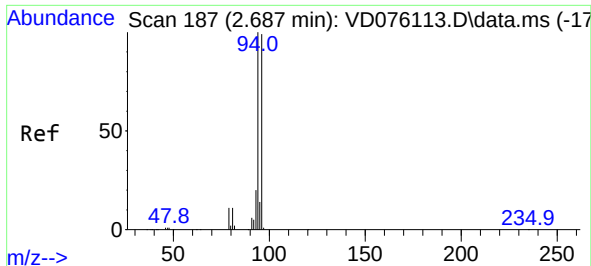
Tgt Ion:168 Resp: 35967
Ion Ratio Lower Upper
168 100
99 45.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

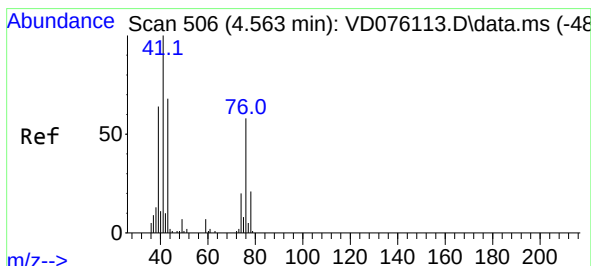
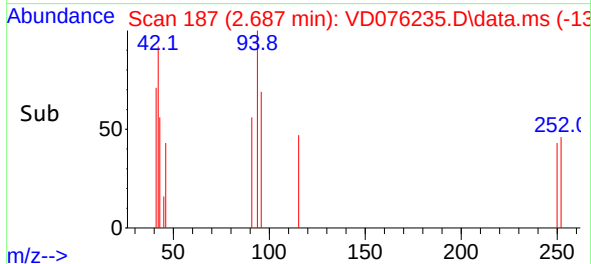
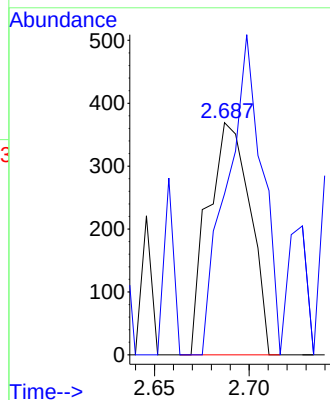
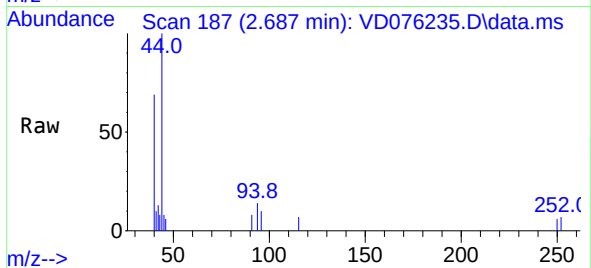




#5
Bromomethane
Concen: 1.214 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

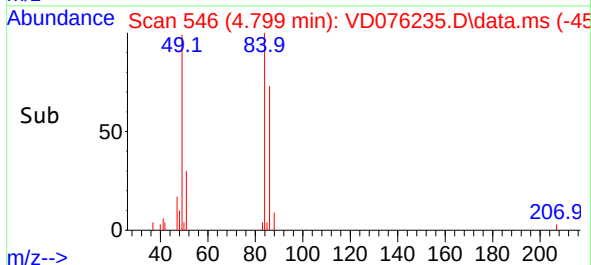
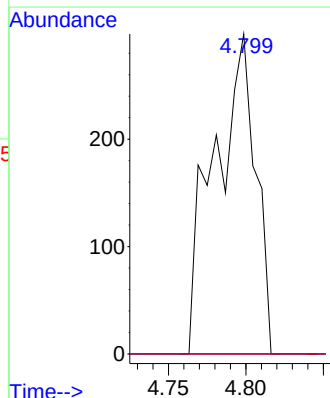
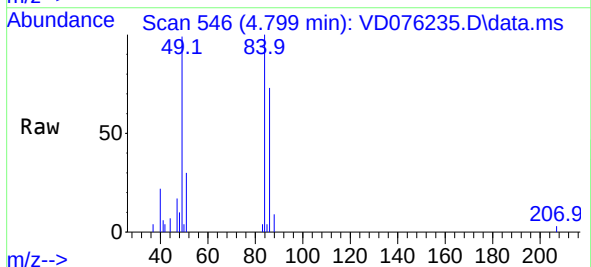
Instrument :
MSVOA_D
ClientSampleId :
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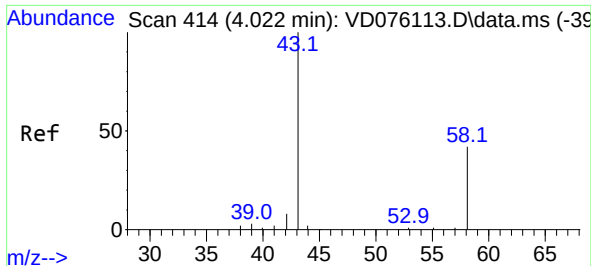
Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 115.0 77.5 116.3



#14
Allyl chloride
Concen: 1.397 ug/l
RT: 4.799 min Scan# 546
Delta R.T. 0.236 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 41 Resp: 551
Ion Ratio Lower Upper
41 100
39 0.0 60.6 90.8#
76 0.0 28.6 43.0#

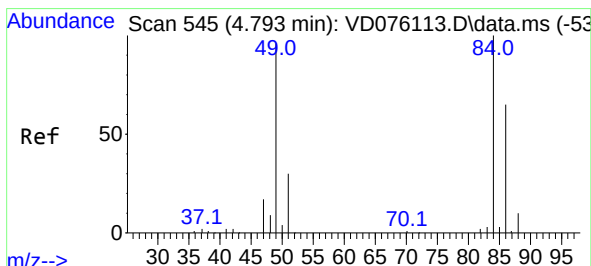
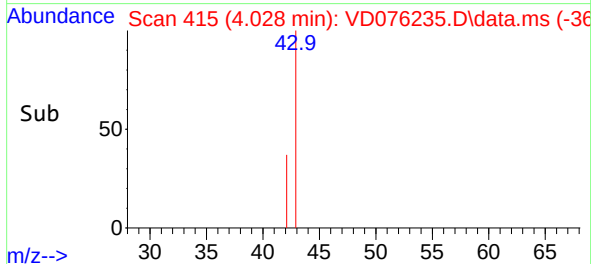
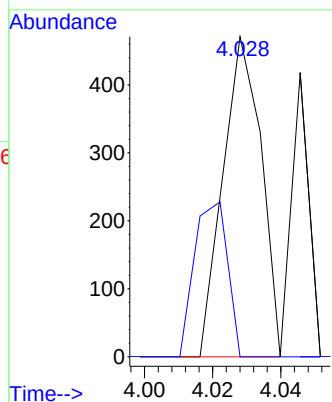
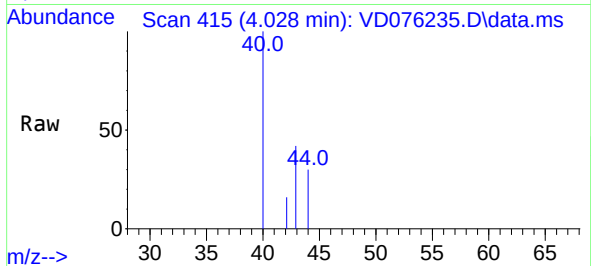




#16
Acetone
Concen: 5.292 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

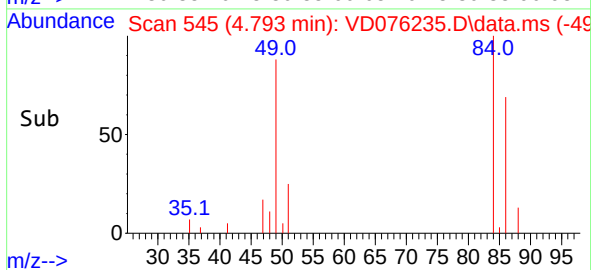
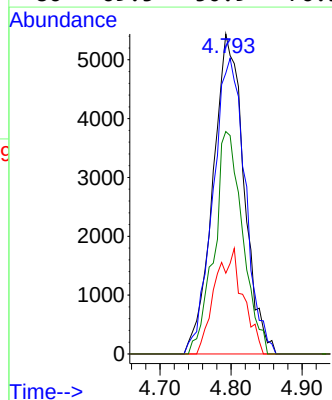
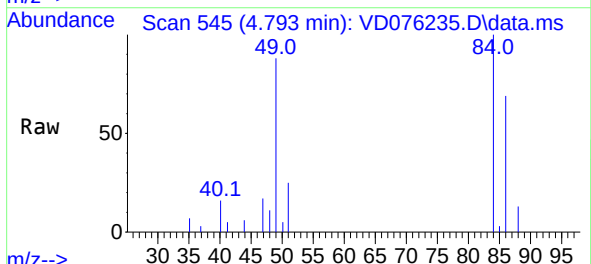
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

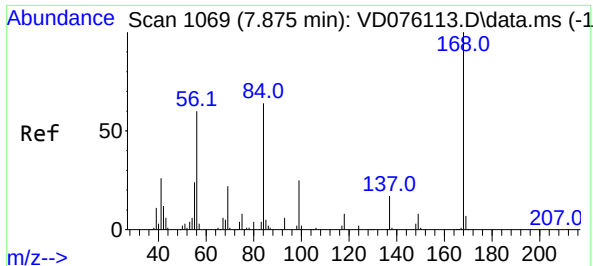
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#20
Methylene Chloride
Concen: 25.249 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 84 Resp: 16475
Ion Ratio Lower Upper
84 100
49 87.7 106.4 159.6#
51 25.3 32.4 48.6#
86 69.5 50.9 76.3

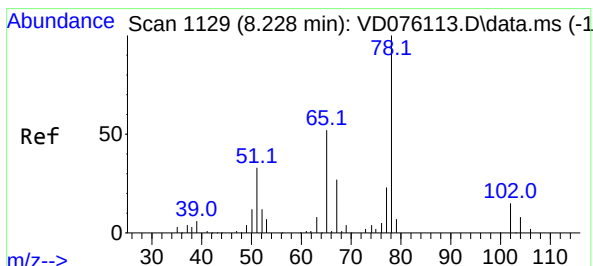
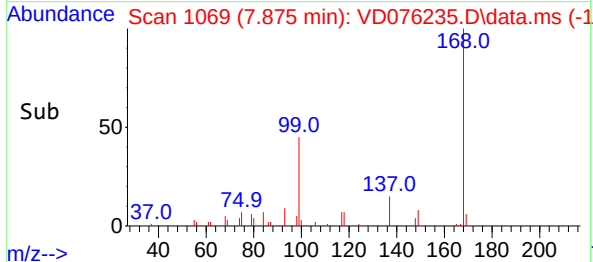
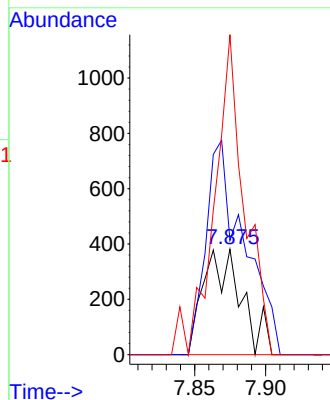
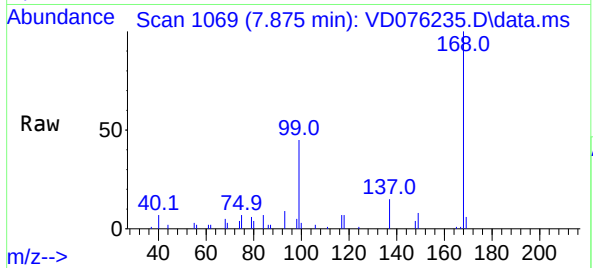




#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

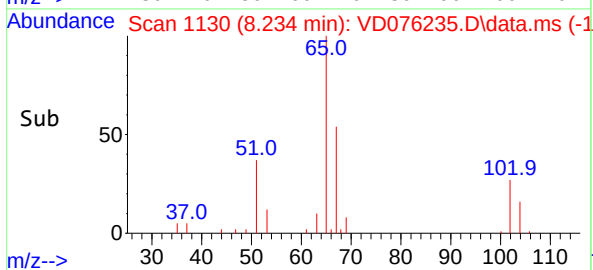
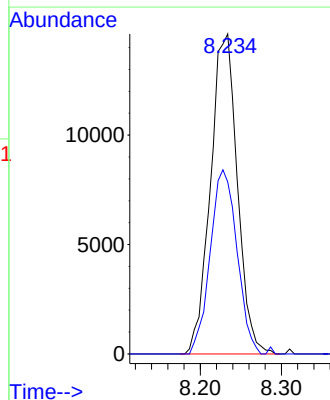
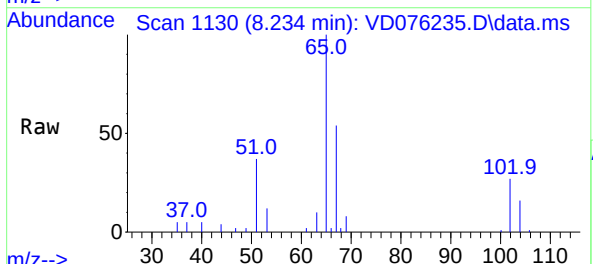
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

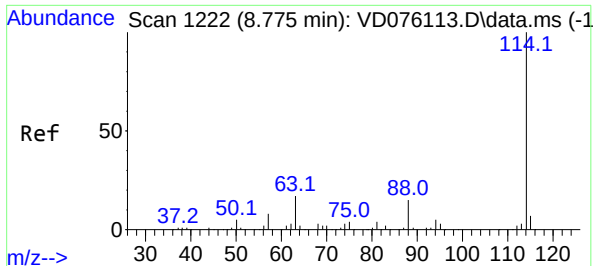
Tgt Ion: 56 Resp: 708
Ion Ratio Lower Upper
56 100
69 108.4 25.5 38.3#
84 303.7 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 96.821 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 65 Resp: 33656
Ion Ratio Lower Upper
65 100
67 57.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076235.D

Acq: 25 May 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

TP-29RE

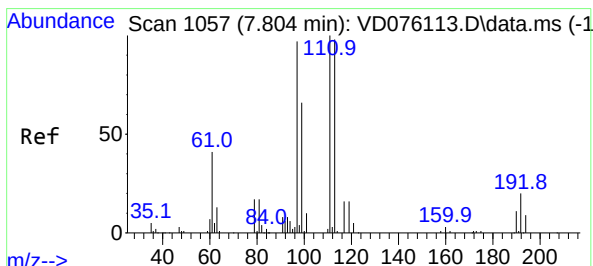
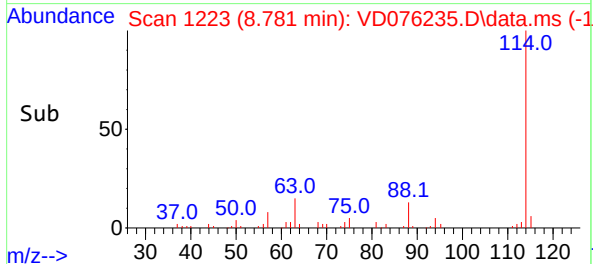
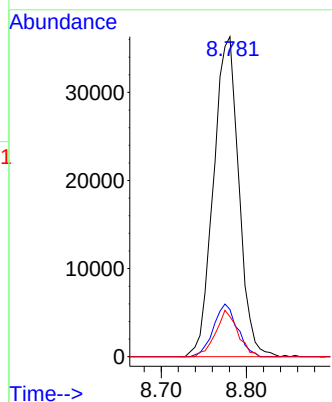
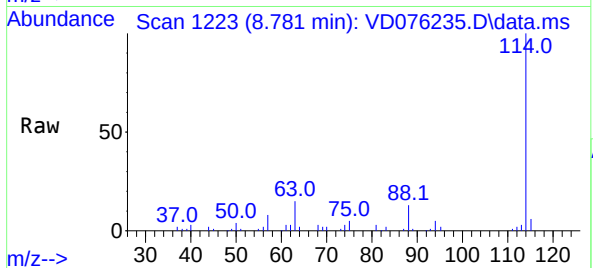
Tgt Ion:114 Resp: 75055

Ion Ratio Lower Upper

114 100

63 14.8 0.0 41.6

88 12.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 66.944 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.007 min

Lab File: VD076235.D

Acq: 25 May 2023 16:10

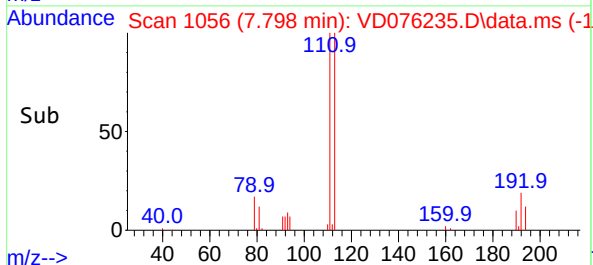
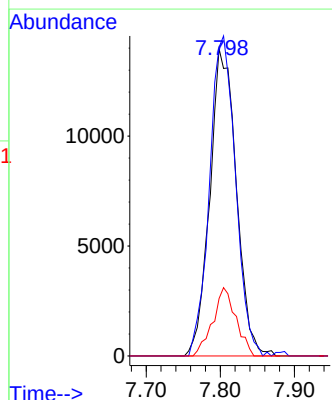
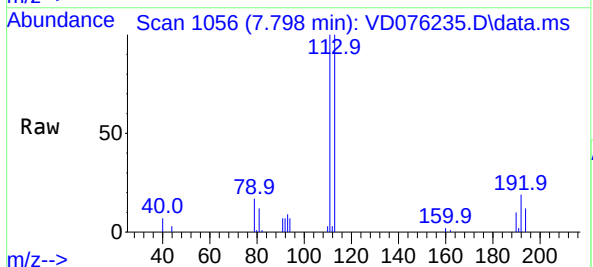
Tgt Ion:113 Resp: 34730

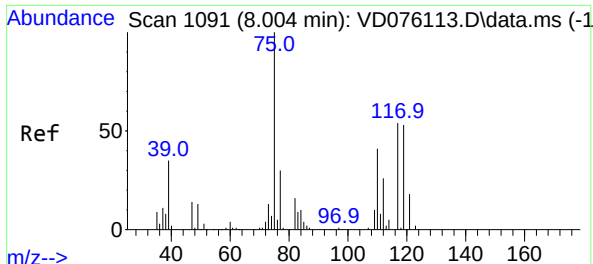
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.4 15.2 22.8

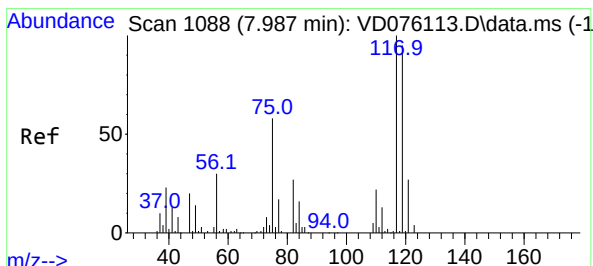
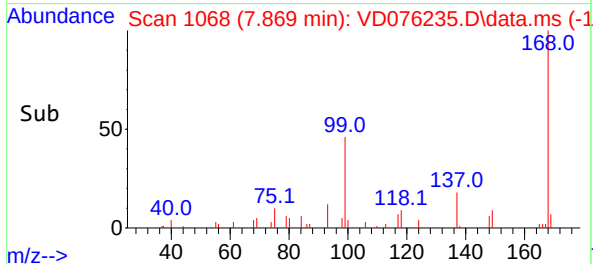
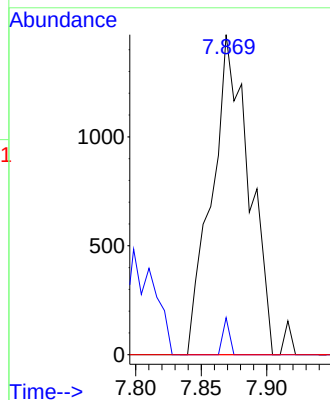
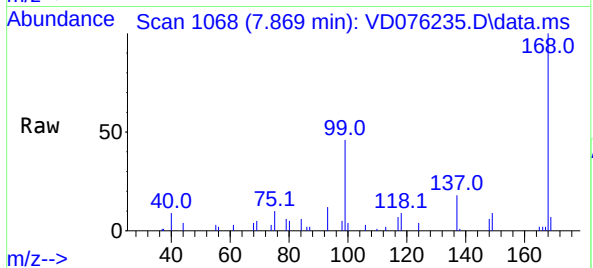




#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 7.869 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

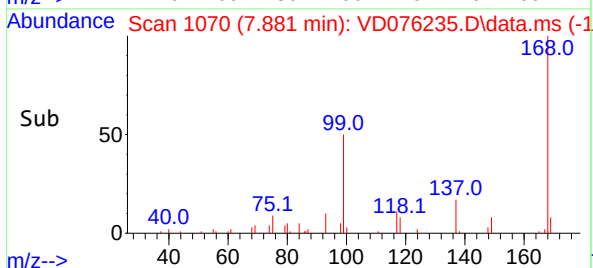
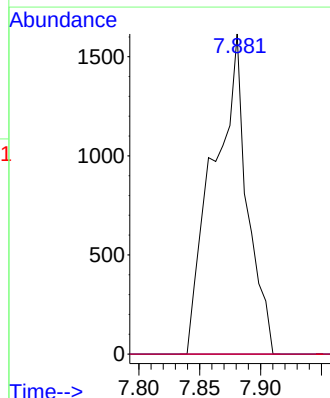
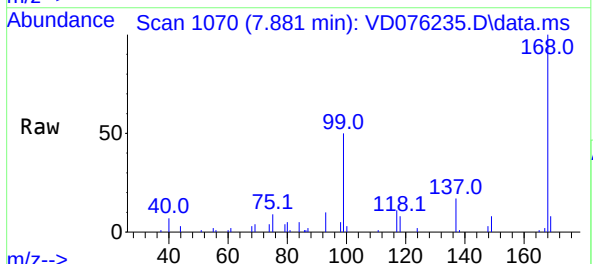
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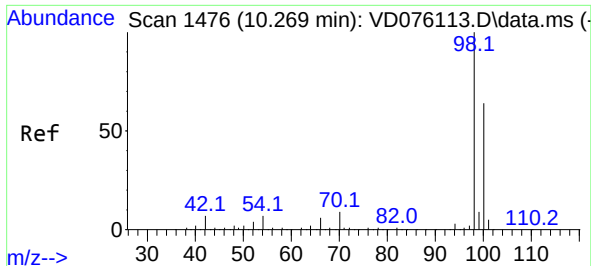
Tgt Ion: 75 Resp: 2897
Ion Ratio Lower Upper
75 100
110 2.1 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 117 Resp: 3125
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

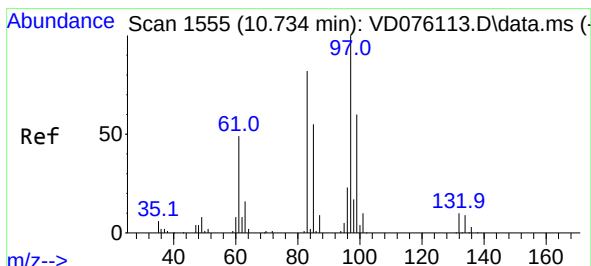
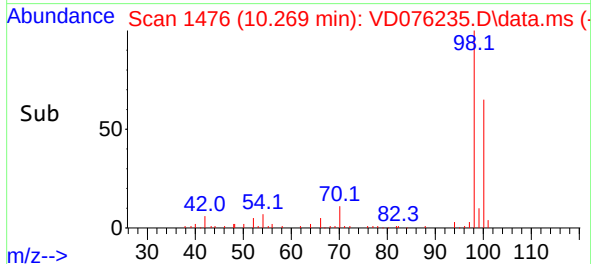
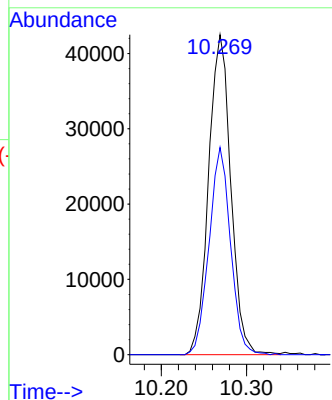
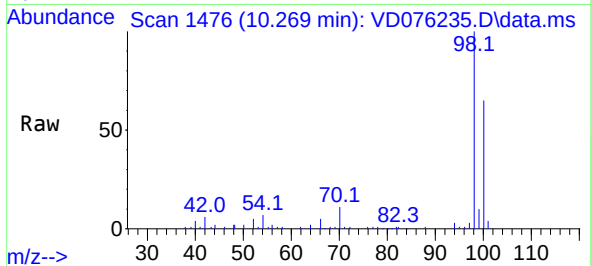




#50
Toluene-d8
Concen: 38.032 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

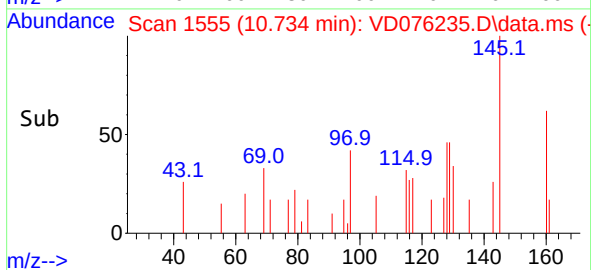
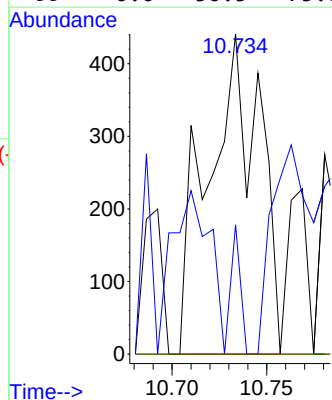
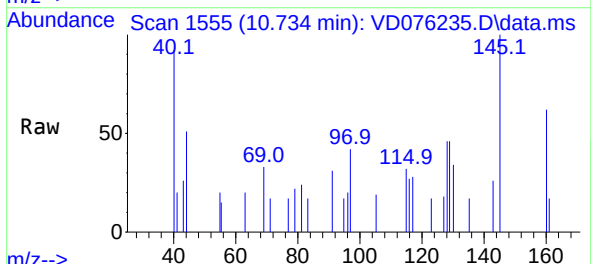
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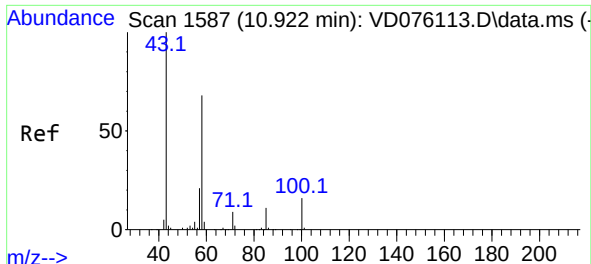
Tgt Ion: 98 Resp: 76915
Ion Ratio Lower Upper
98 100
100 62.7 52.1 78.1



#55
1,1,2-Trichloroethane
Concen: 1.879 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 97 Resp: 839
Ion Ratio Lower Upper
97 100
83 2.5 74.2 111.4#
85 0.0 45.4 68.0#
99 0.0 50.5 75.7#

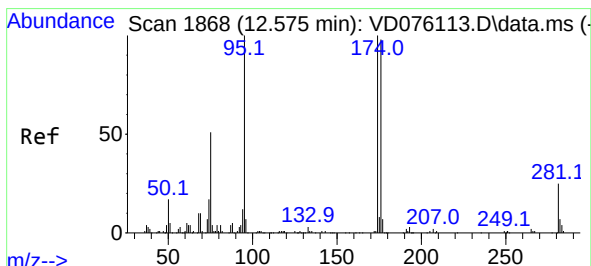
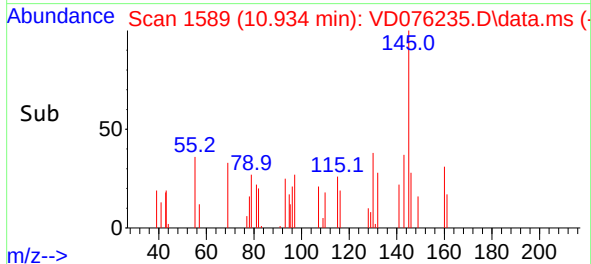
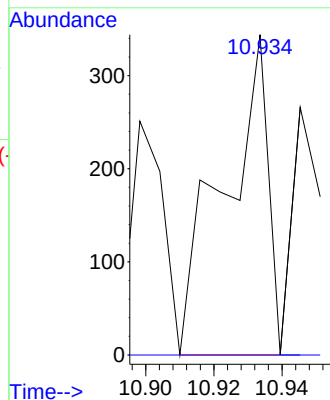
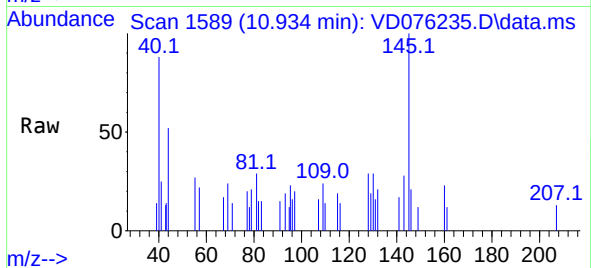




#59
2-Hexanone
Concen: 1.812 ug/l
RT: 10.934 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

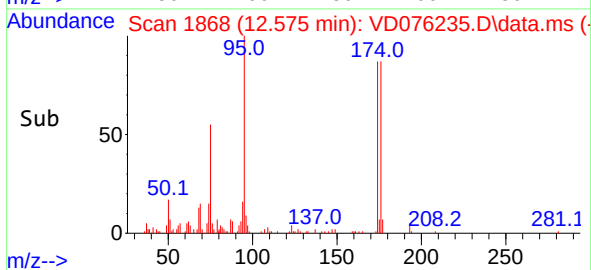
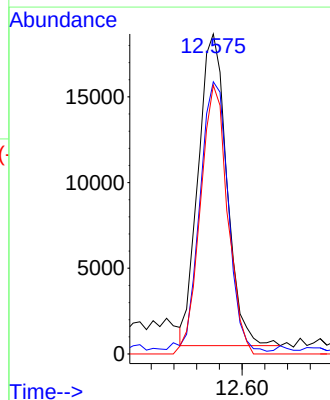
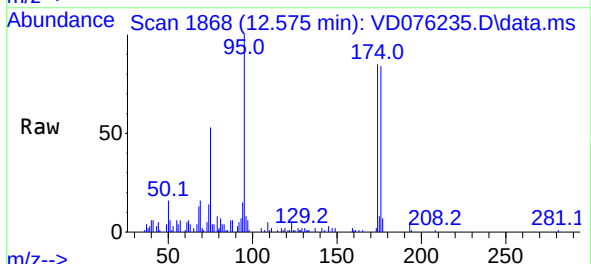
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

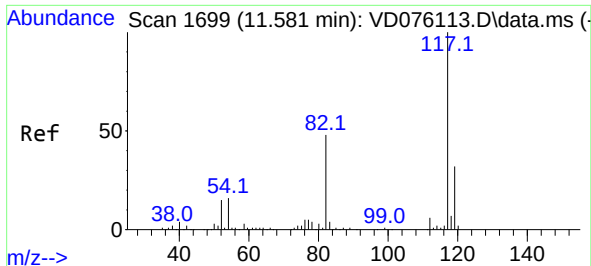
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.8#



#62
4-Bromofluorobenzene
Concen: 56.421 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 95 Resp: 31697
Ion Ratio Lower Upper
95 100
174 85.6 0.0 164.0
176 82.2 0.0 156.8

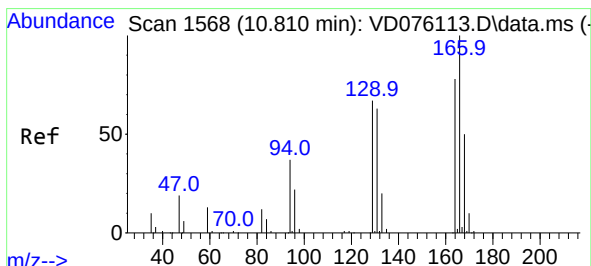
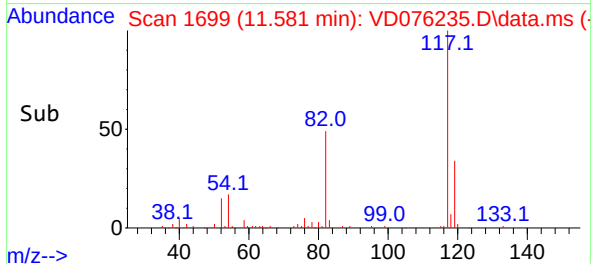
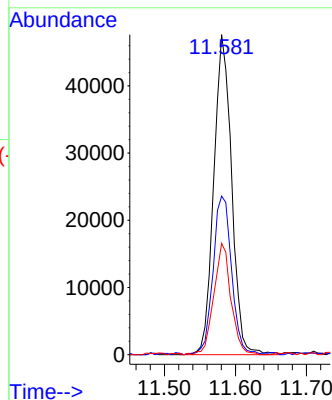
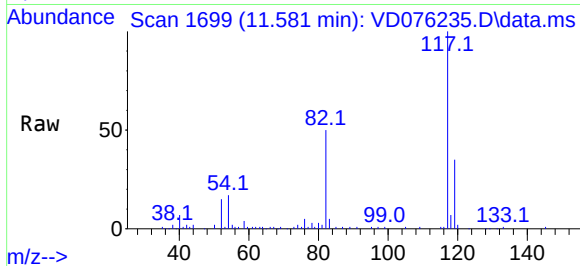




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

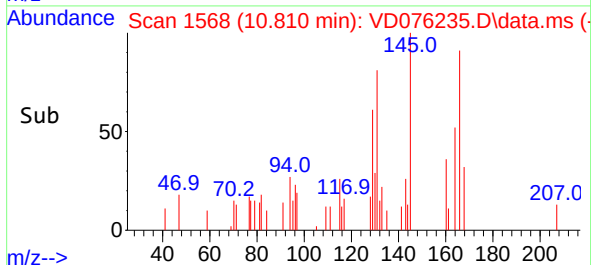
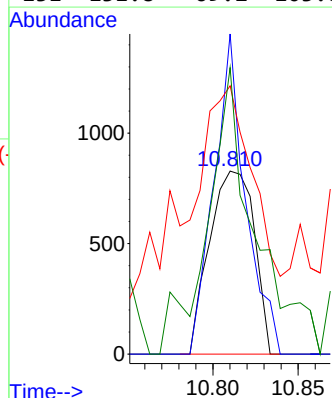
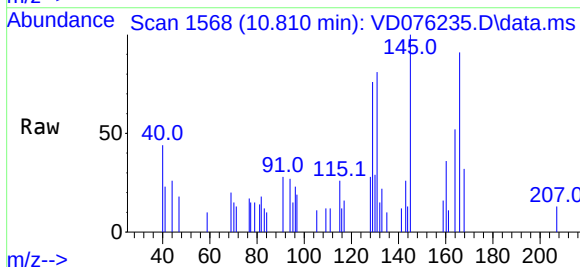
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

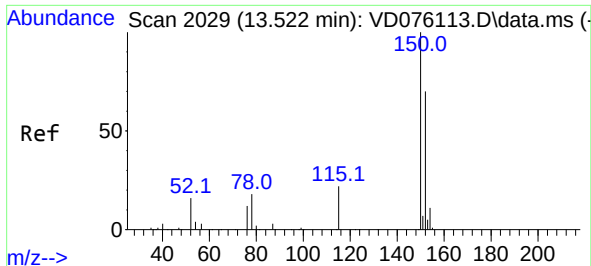
Tgt Ion:	117	Resp:	83166
Ion	Ratio	Lower	Upper
117	100		
82	49.5	44.0	66.0
119	34.4	25.1	37.7



#64
Tetrachloroethene
Concen: 2.363 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion:	164	Resp:	1511
Ion	Ratio	Lower	Upper
164	100		
166	175.0	94.9	142.3#
129	104.1	73.0	109.6
131	131.8	69.2	103.8#

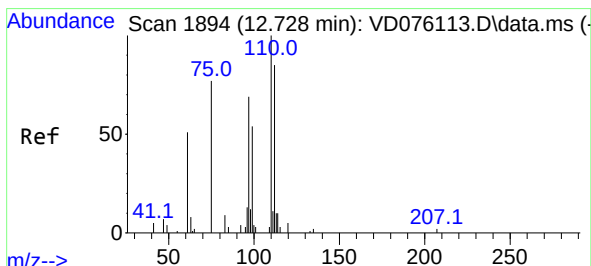
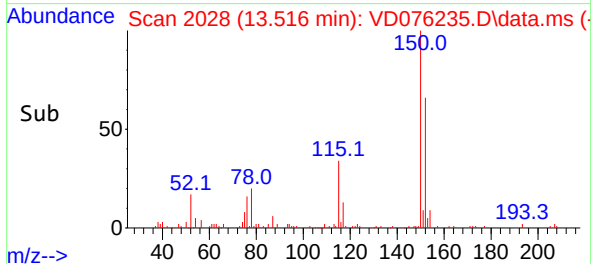
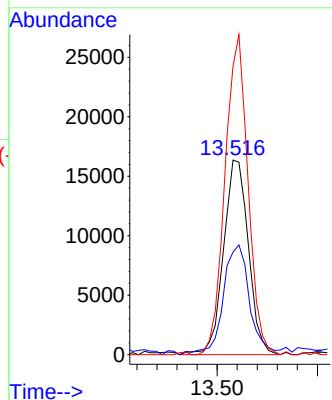
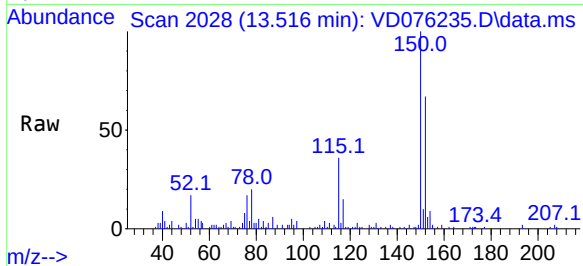




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2029
Delta R.T. -0.006 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

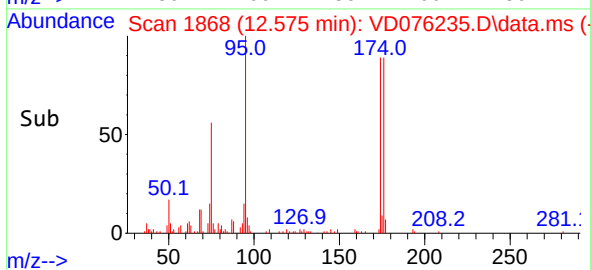
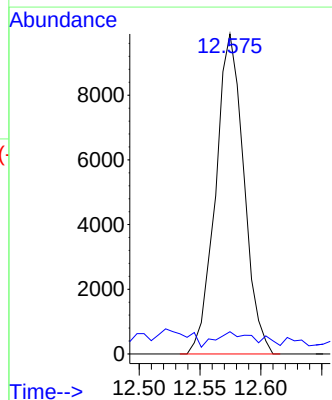
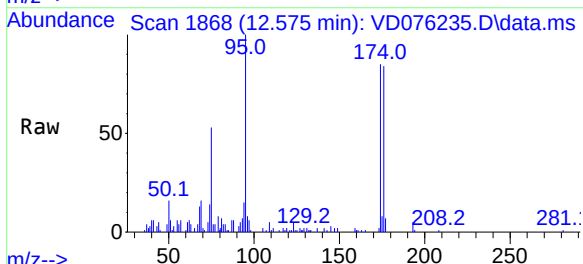
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

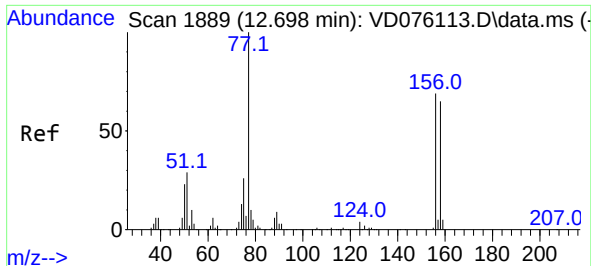
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.3
150	152.2	0.0	364.8



#76
1,2,3-Trichloropropane
Concen: 64.762 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	4.7	0.0	0.0#

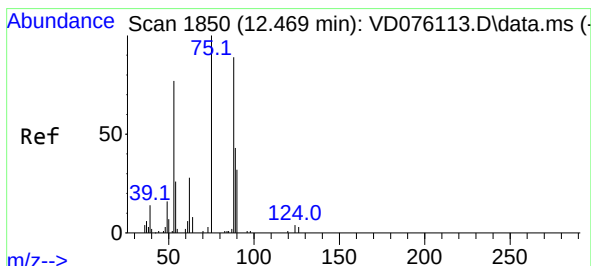
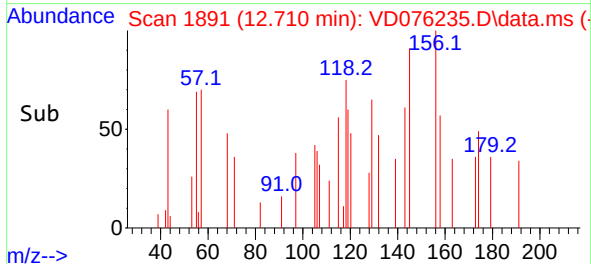
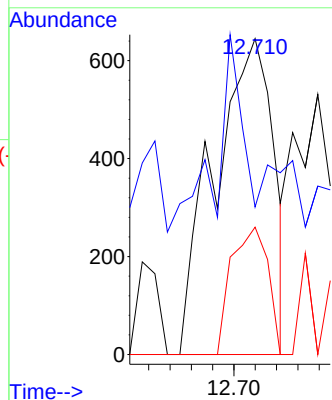
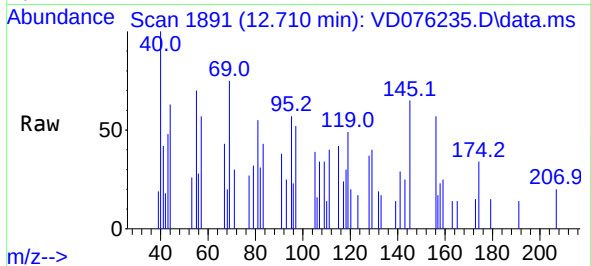




#77
Bromobenzene
Concen: 2.512 ug/l
RT: 12.710 min Scan# 1891
Delta R.T. 0.006 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

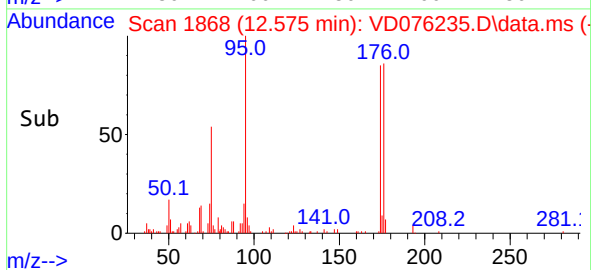
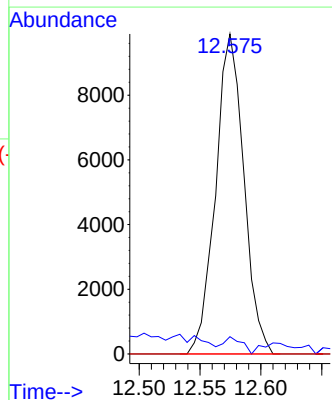
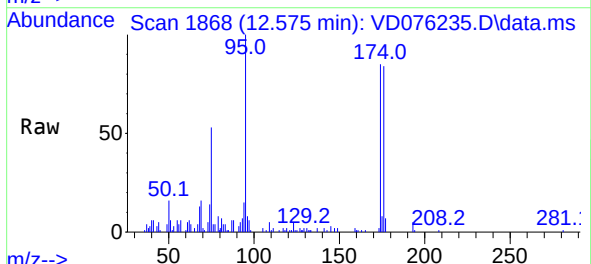
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

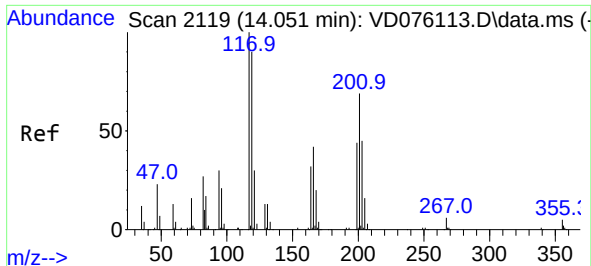
Tgt Ion:156 Resp: 1254
Ion Ratio Lower Upper
156 100
77 17.2 89.5 268.6#
158 24.6 47.8 143.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.859 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 75 Resp: 15956
Ion Ratio Lower Upper
75 100
53 3.5 90.5 135.7#
89 0.0 40.2 60.4#

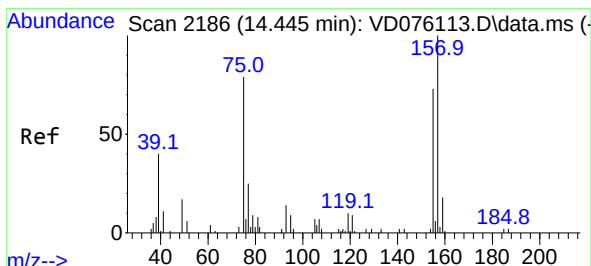
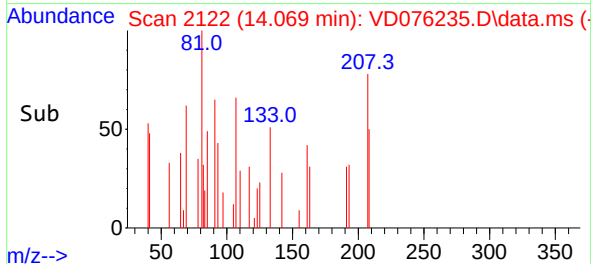
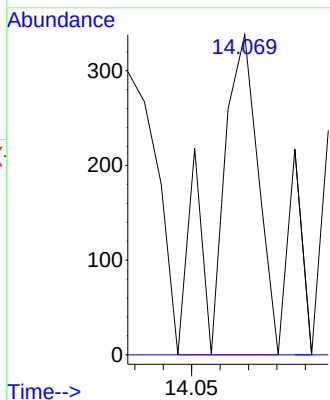
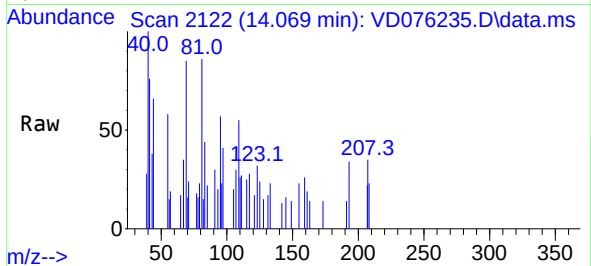




#90
Hexachloroethane
Concen: 1.005 ug/l
RT: 14.069 min Scan# 2119
Delta R.T. 0.012 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

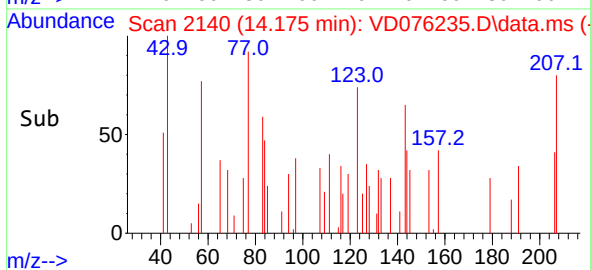
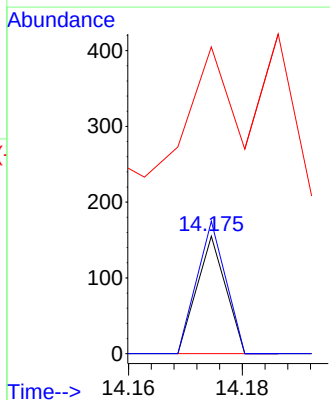
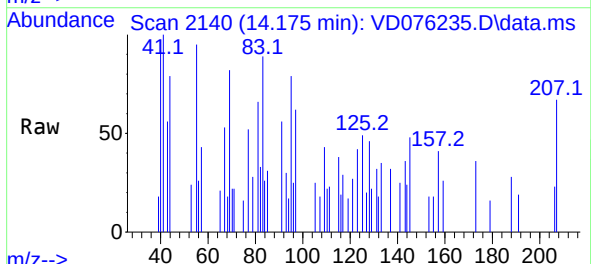
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

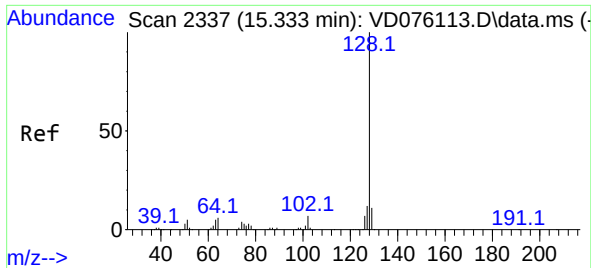
Tgt Ion:117 Resp: 344
Ion Ratio Lower Upper
117 100
201 0.0 34.5 103.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.058 ug/l
RT: 14.175 min Scan# 2140
Delta R.T. -0.276 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 112.7 39.5 118.5
157 345.5 53.5 160.7#





#95

Naphthalene

Concen: 1.052 ug/l

RT: 15.333 min Scan# 21

Delta R.T. -0.001 min

Lab File: VD076235.D

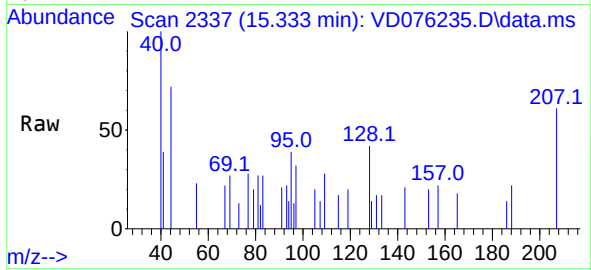
Acq: 25 May 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

TP-29RE



Tgt Ion:128 Resp: 1007

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 37.9 8.8 13.2#

