

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121422\
 Data File : VD075019.D
 Acq On : 14 Dec 2022 13:25
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 15 03:35:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 15 03:27:53 2022
 Response via : Initial Calibration

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

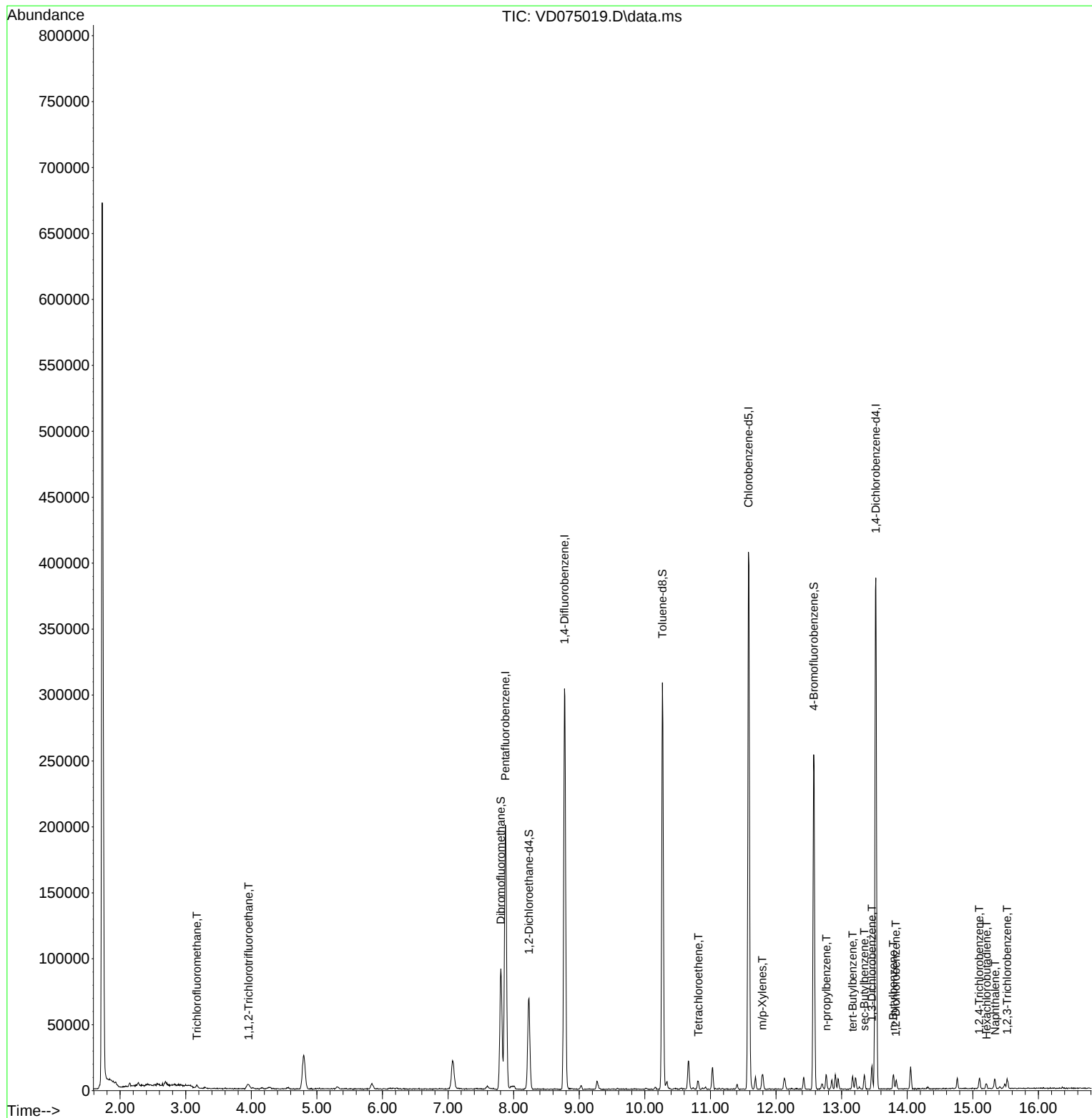
Internal Standards						
1) Pentafluorobenzene	7.875	168	159181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	290567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	110891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53913	50.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.120%	
35) Dibromofluoromethane	7.804	113	67722	37.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.480%	
50) Toluene-d8	10.269	98	219630	39.396	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.800%	
62) 4-Bromofluorobenzene	12.575	95	72748	40.642	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.280%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.169	101	2822	1.203	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	2145	1.404	ug/l #	82
64) Tetrachloroethene	10.816	164	1682	1.123	ug/l #	76
68) m/p-Xylenes	11.792	106	4419	1.378	ug/l	96
78) n-propylbenzene	12.769	91	9678	1.078	ug/l	95
83) tert-Butylbenzene	13.169	119	5686	1.089	ug/l	87
85) sec-Butylbenzene	13.345	105	8205	1.010	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	3881	1.101	ug/l	100
89) n-Butylbenzene	13.786	91	6877	1.087	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	3316	1.102	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	2996	1.615	ug/l	92
94) Hexachlorobutadiene	15.210	225	1082	1.133	ug/l	98
95) Naphthalene	15.339	128	7585	2.162	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	3264	2.074	ug/l	97

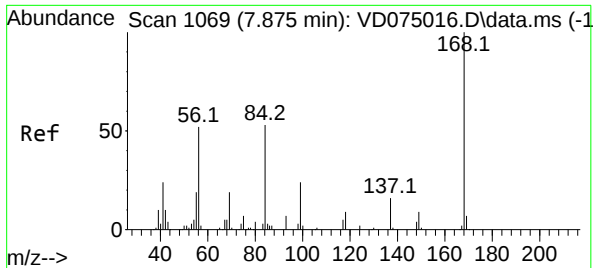
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 15 03:27:53 2022
Response via : Initial Calibration

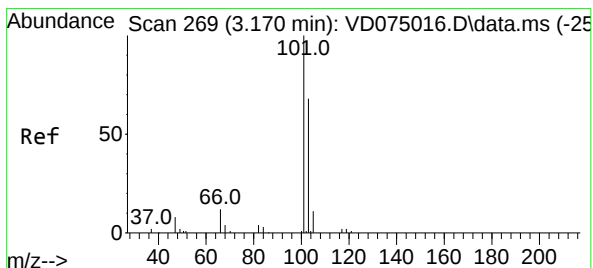
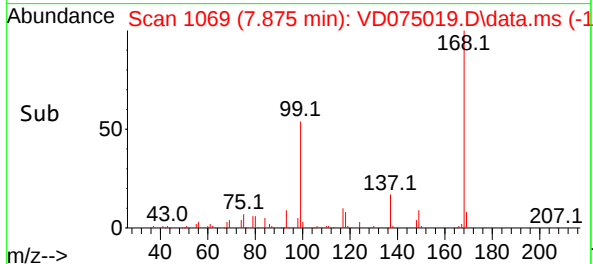
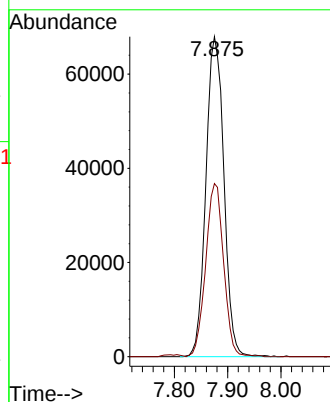
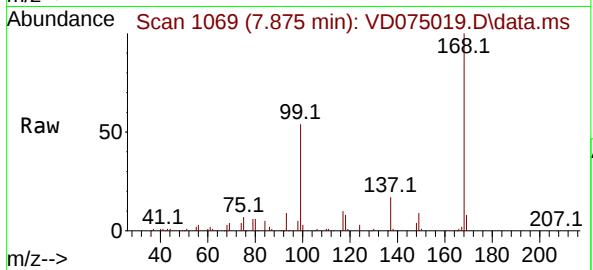




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

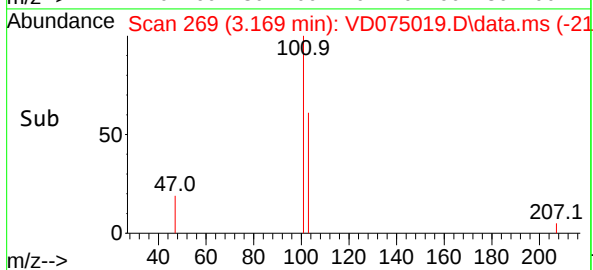
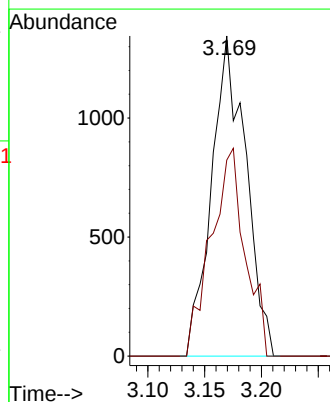
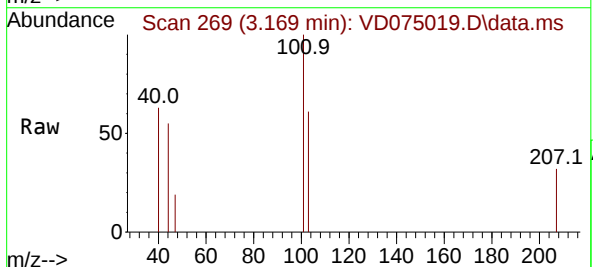
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

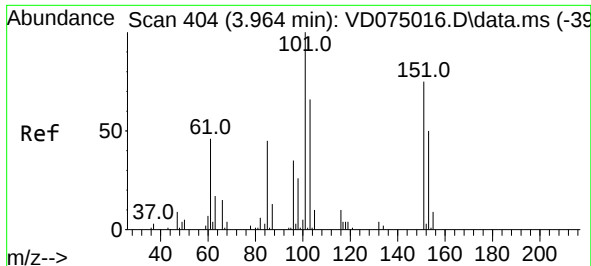
Tgt Ion:168 Resp: 159181
Ion Ratio Lower Upper
168 100
99 54.1 41.0 61.4



#7
Trichlorofluoromethane
Concen: 1.203 ug/l
RT: 3.169 min Scan# 269
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:101 Resp: 2822
Ion Ratio Lower Upper
101 100
103 61.2 54.5 81.7

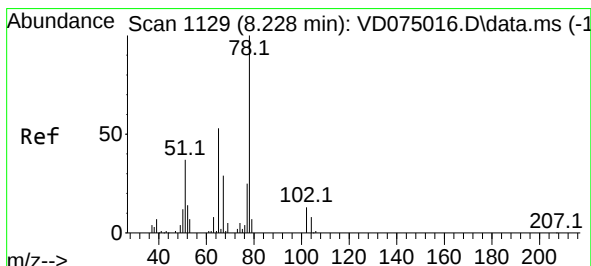
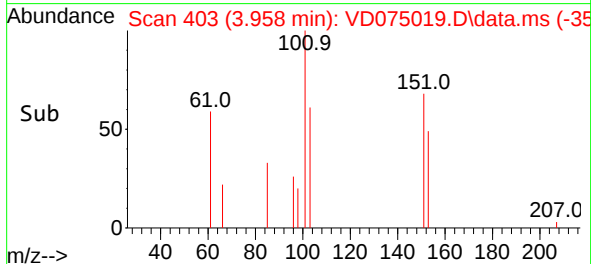
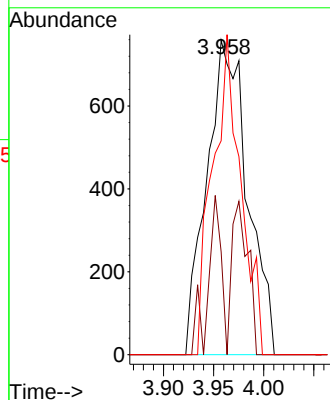
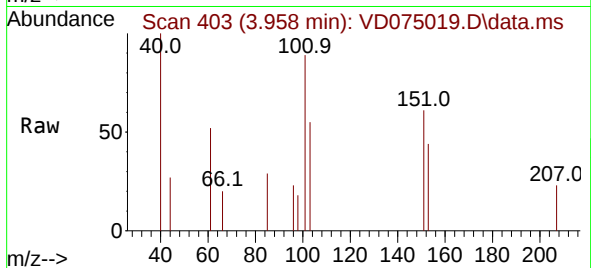




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.404 ug/l
RT: 3.958 min Scan# 40
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

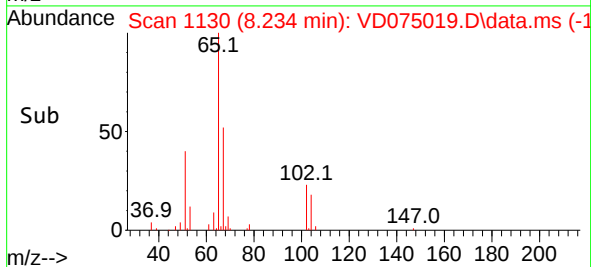
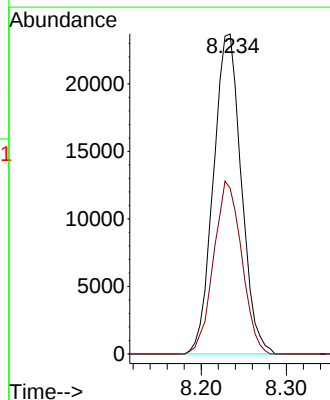
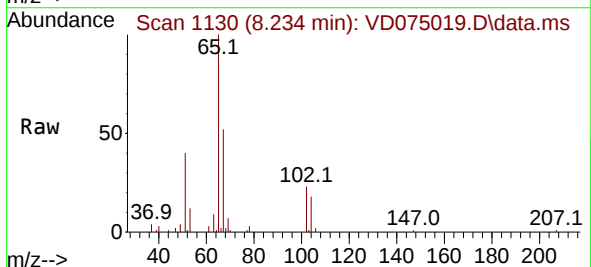
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

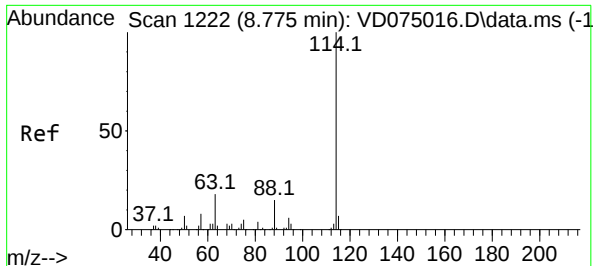
Tgt Ion:101 Resp: 2145
Ion Ratio Lower Upper
101 100
85 16.5 33.6 50.4#
151 70.2 59.4 89.2



#33
1,2-Dichloroethane-d4
Concen: 50.060 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 65 Resp: 53913
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

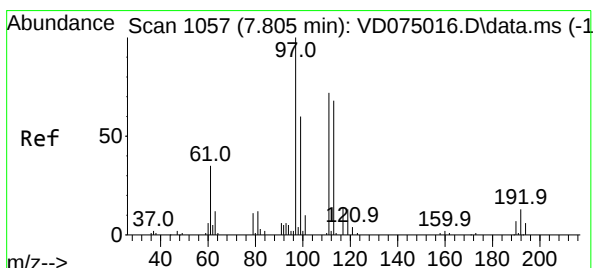
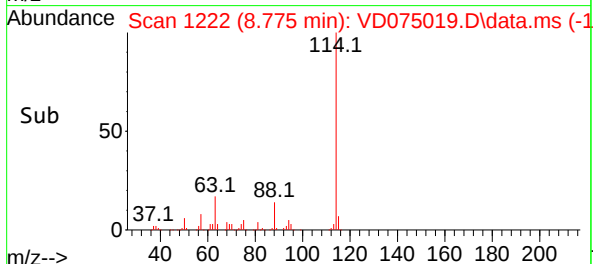
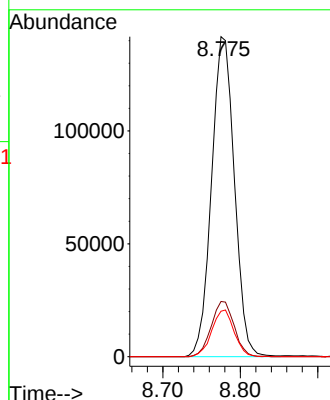
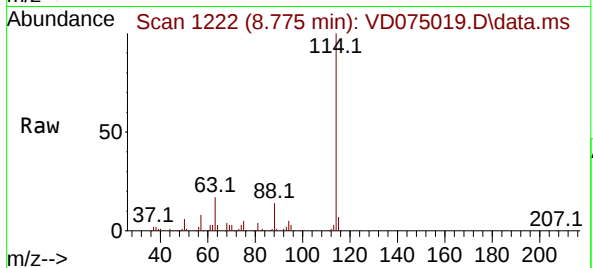
Tgt Ion:114 Resp: 290567

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 14.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 37.239 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

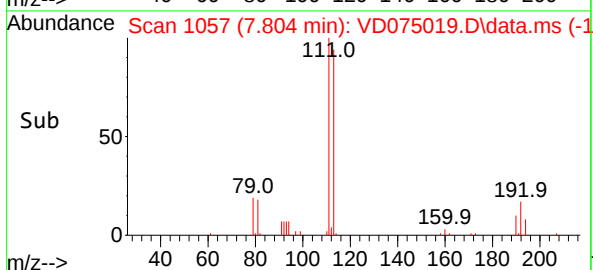
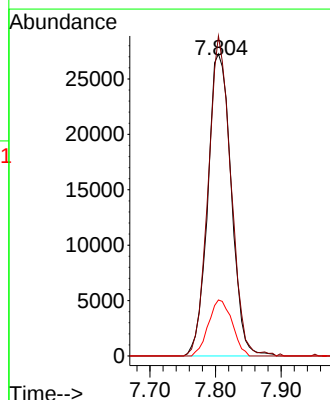
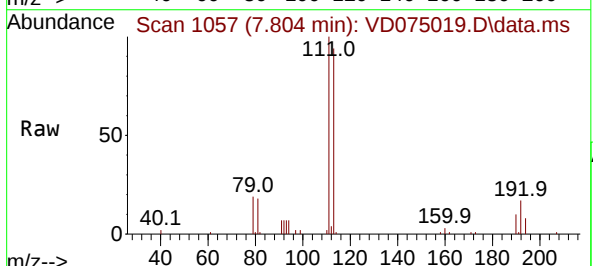
Tgt Ion:113 Resp: 67722

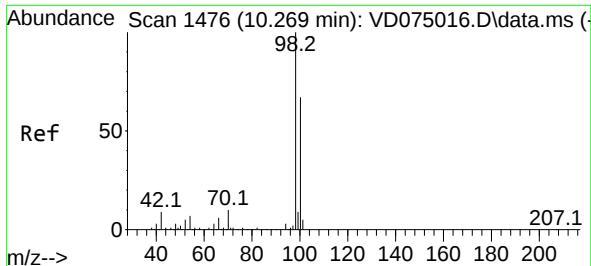
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

192 18.7 15.5 23.3

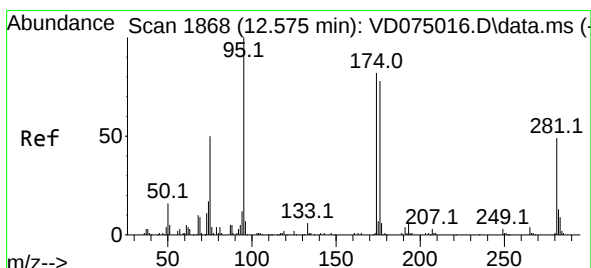
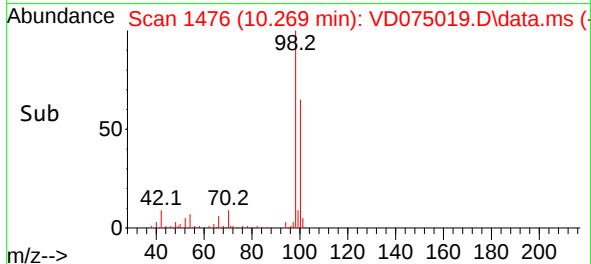
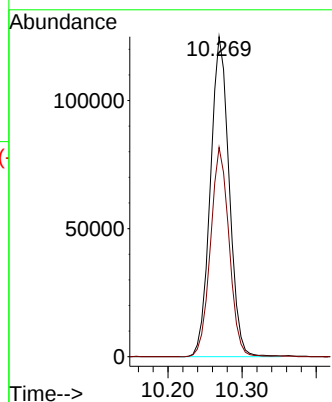
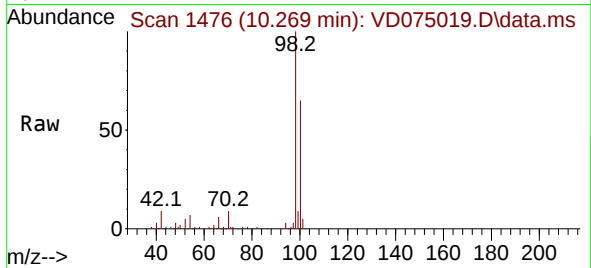




#50
Toluene-d8
Concen: 39.396 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

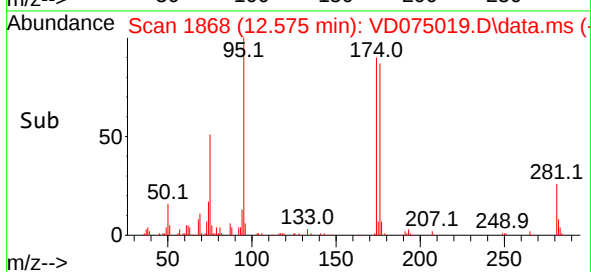
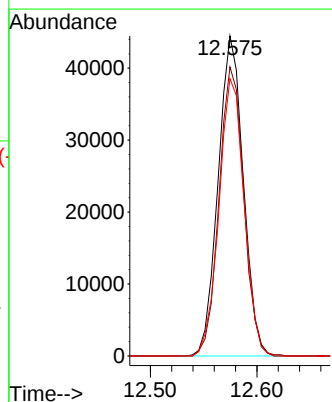
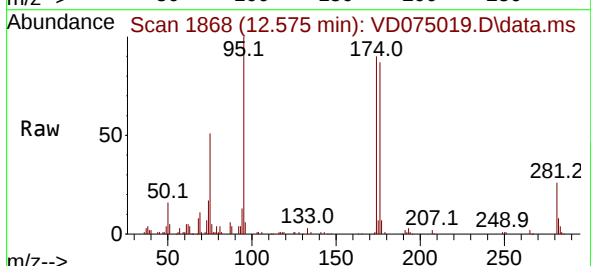
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

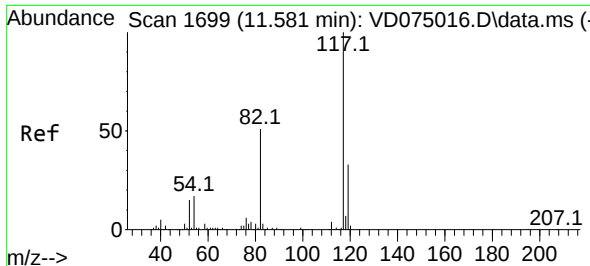
Tgt Ion: 98 Resp: 219630
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 40.642 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 95 Resp: 72748
Ion Ratio Lower Upper
95 100
174 89.0 0.0 171.6
176 86.4 0.0 165.8

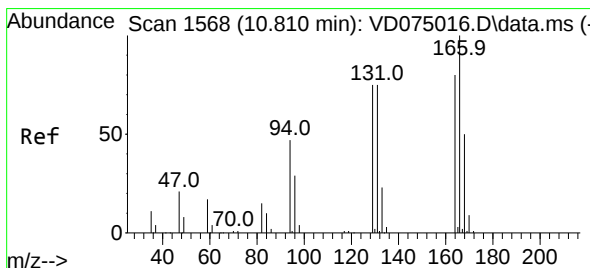
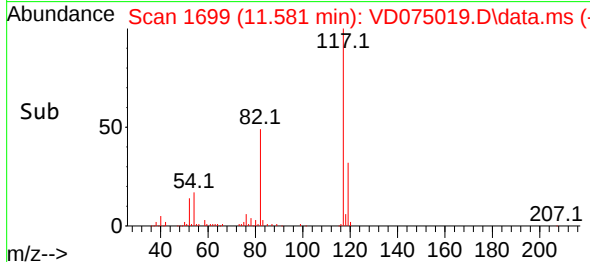
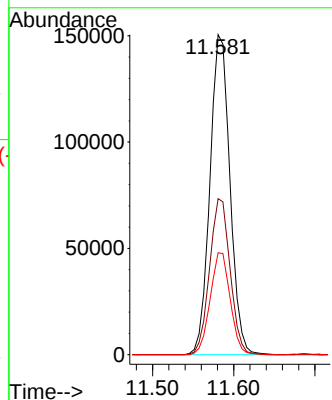
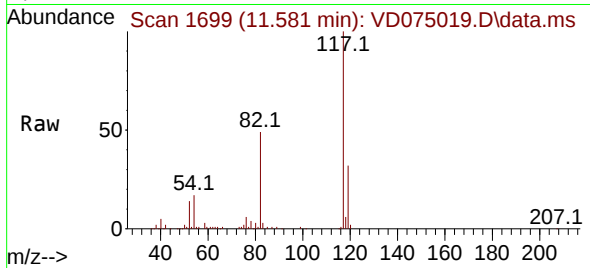




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

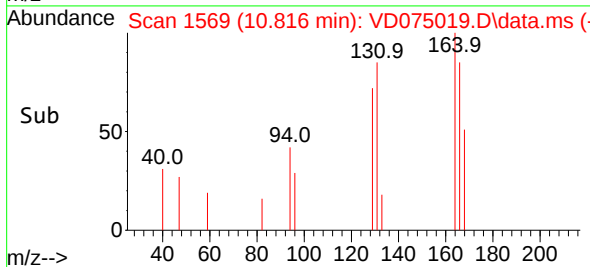
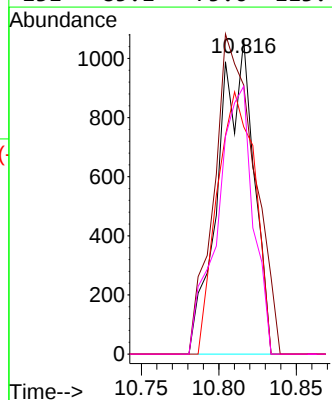
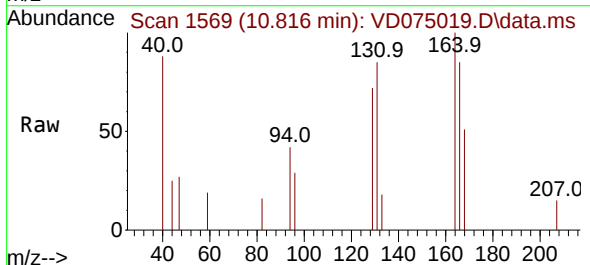
Instrument :
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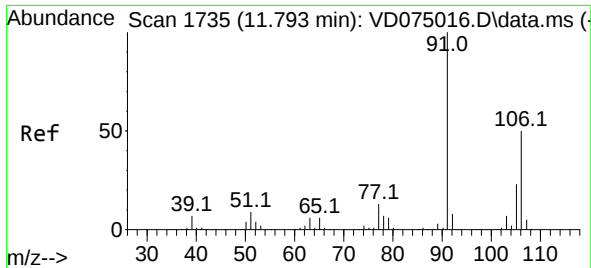
Tgt Ion:117 Resp: 257651
Ion Ratio Lower Upper
117 100
82 48.8 40.7 61.1
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:164 Resp: 1682
Ion Ratio Lower Upper
164 100
166 85.4 100.3 150.5#
129 72.2 74.8 112.2#
131 85.1 75.6 113.4

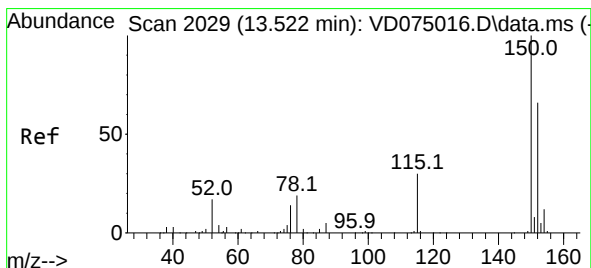
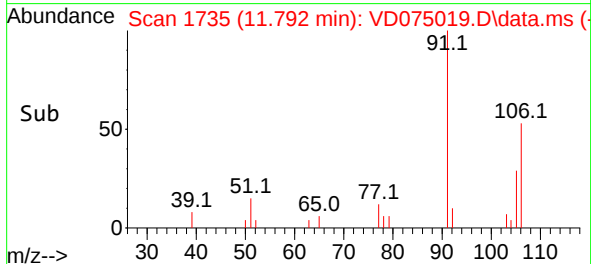
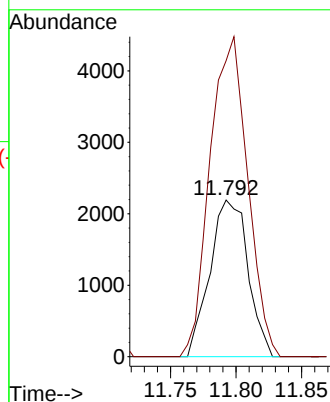
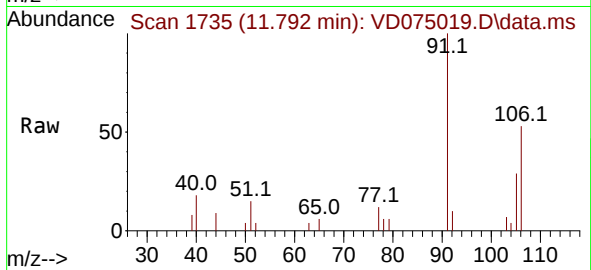




#68
m/p-Xylenes
Concen: 1.378 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

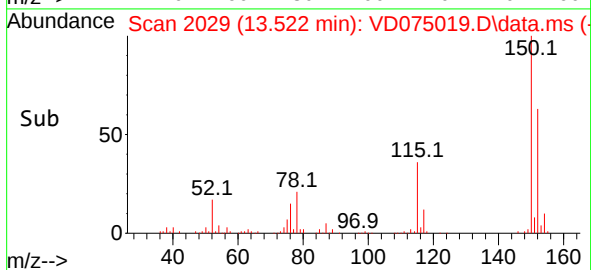
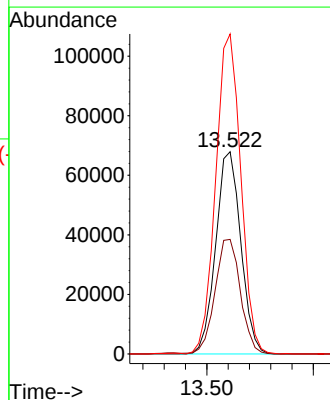
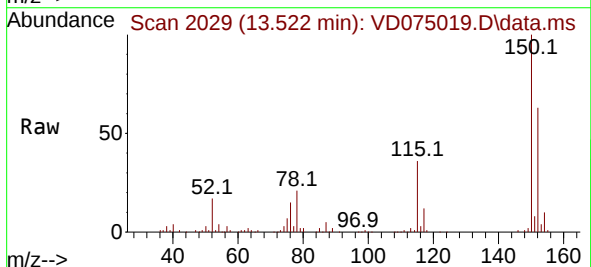
Instrument :
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VIBLK

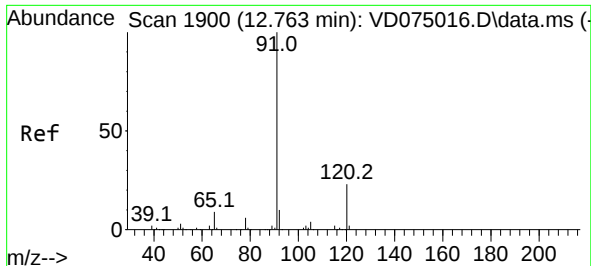
Tgt Ion:106 Resp: 4419
Ion Ratio Lower Upper
106 100
91 202.8 157.1 235.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:152 Resp: 110891
Ion Ratio Lower Upper
152 100
115 57.4 28.0 84.0
150 158.3 0.0 342.0

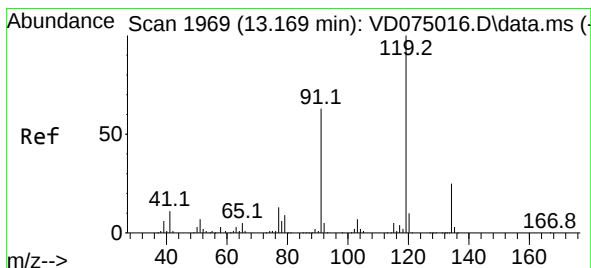
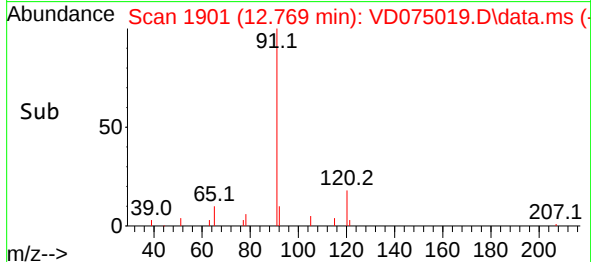
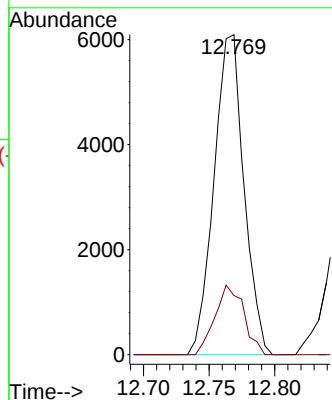
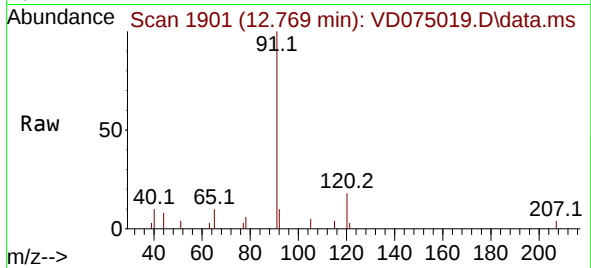




#78
n-propylbenzene
Concen: 1.078 ug/l
RT: 12.769 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

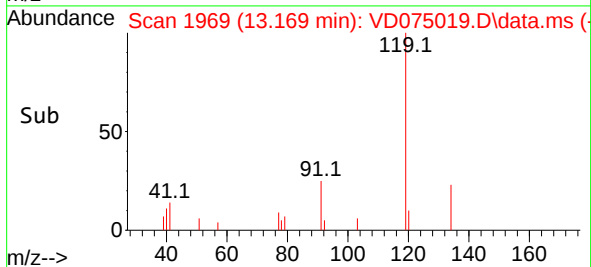
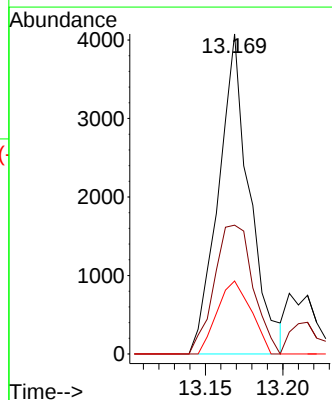
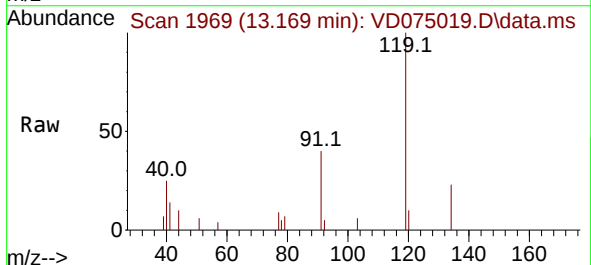
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MSVOA_D
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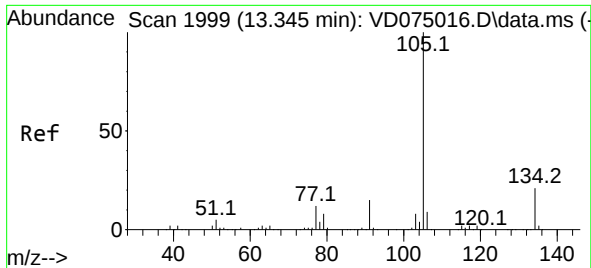
Tgt Ion: 91 Resp: 9678
Ion Ratio Lower Upper
91 100
120 20.9 11.6 34.8



#83
tert-Butylbenzene
Concen: 1.089 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 119 Resp: 5686
Ion Ratio Lower Upper
119 100
91 50.3 31.4 94.0
134 24.8 13.6 40.7

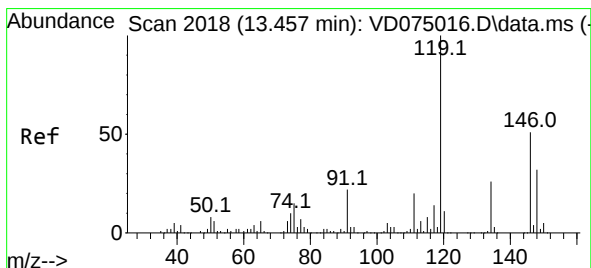
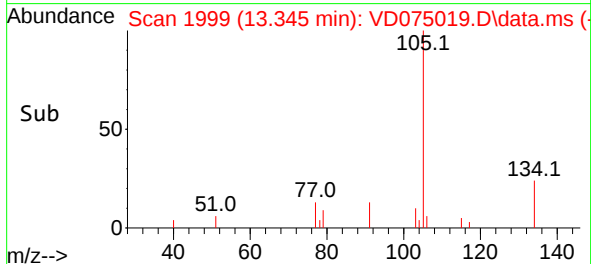
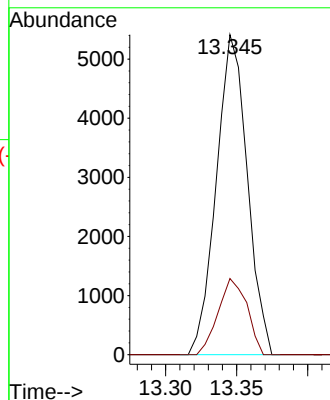
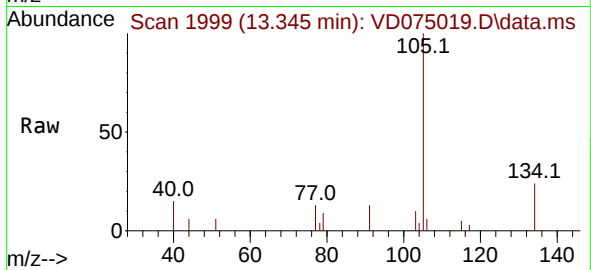




#85
 sec-Butylbenzene
 Concen: 1.010 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD075019.D
 Acq: 14 Dec 2022 13:25

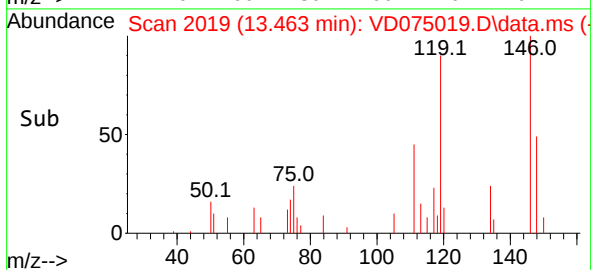
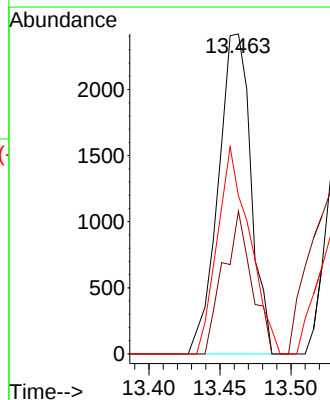
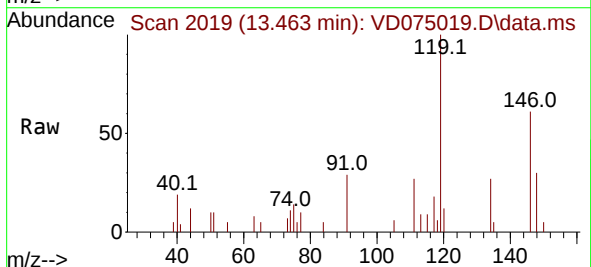
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

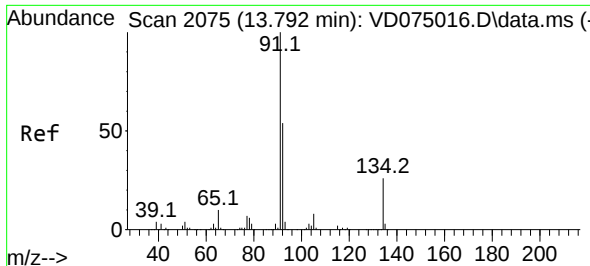
Tgt Ion:105 Resp: 8205
 Ion Ratio Lower Upper
 105 100
 134 22.2 10.3 30.8



#87
 1,3-Dichlorobenzene
 Concen: 1.101 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD075019.D
 Acq: 14 Dec 2022 13:25

Tgt Ion:146 Resp: 3881
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 63.9 31.8 95.4

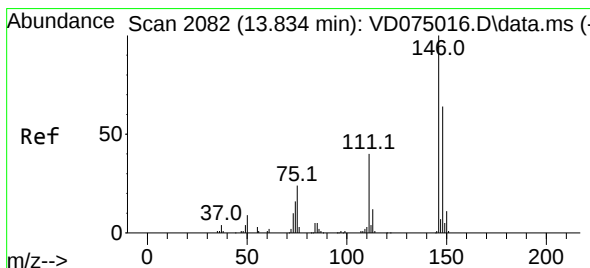
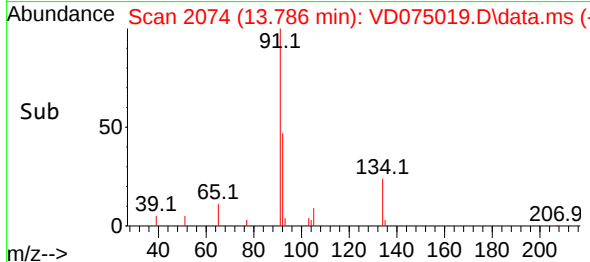
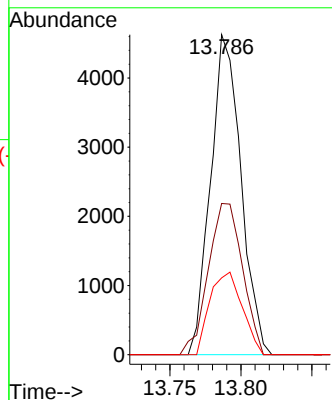
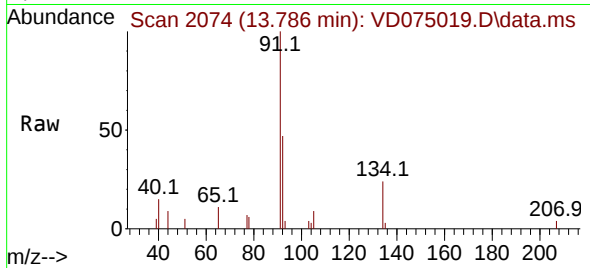




#89
n-Butylbenzene
Concen: 1.087 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

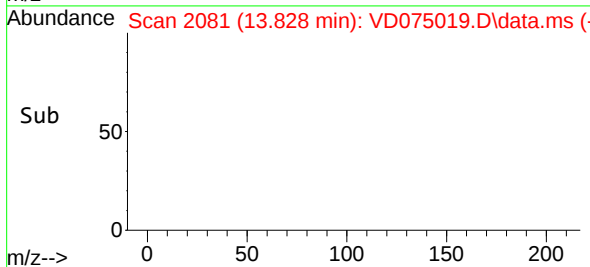
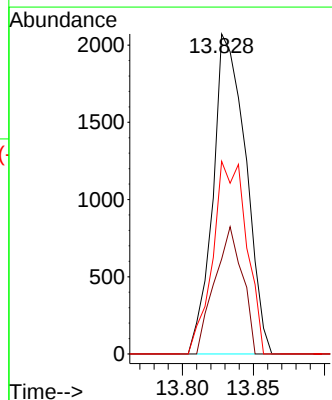
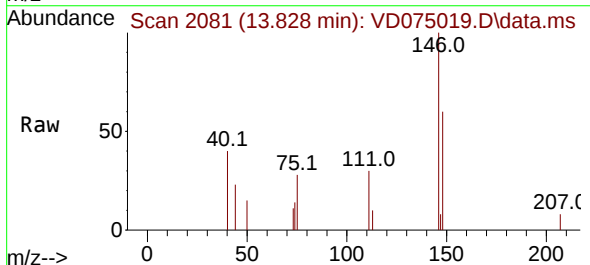
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

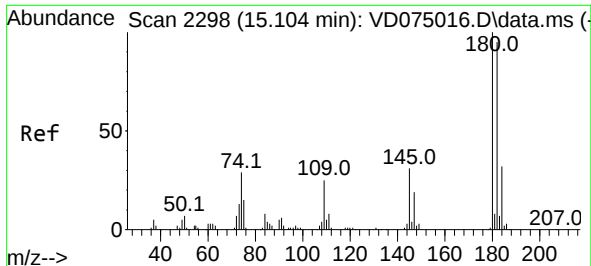
Tgt Ion: 91	Resp:	6877	
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	27.5	13.1	39.3



#91
1,2-Dichlorobenzene
Concen: 1.102 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:146	Resp:	3316	
Ion	Ratio	Lower	Upper
146	100		
111	33.7	19.6	58.7
148	62.0	31.3	93.8





#93

1,2,4-Trichlorobenzene

Concen: 1.615 ug/l

RT: 15.098 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

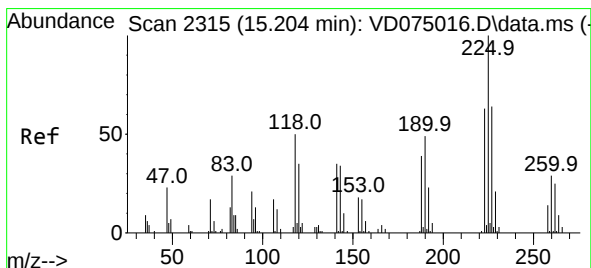
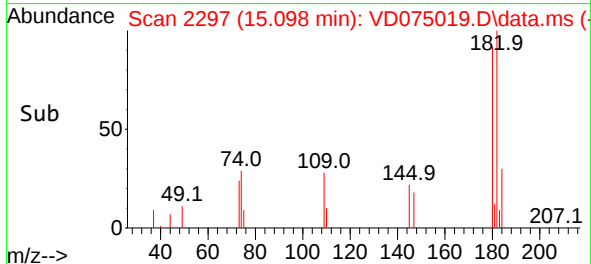
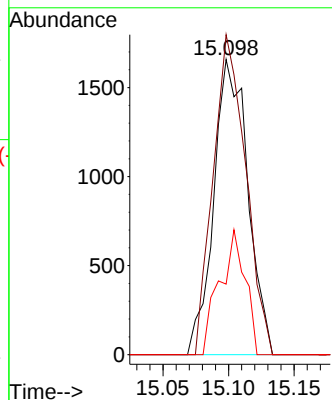
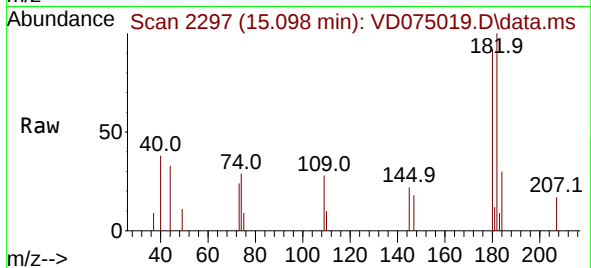
Tgt Ion:180 Resp: 2996

Ion Ratio Lower Upper

180 100

182 103.5 47.1 141.4

145 31.6 14.8 44.4



#94

Hexachlorobutadiene

Concen: 1.133 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

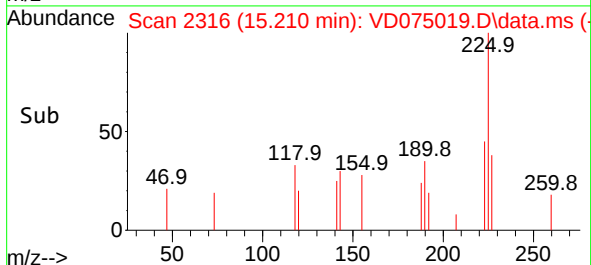
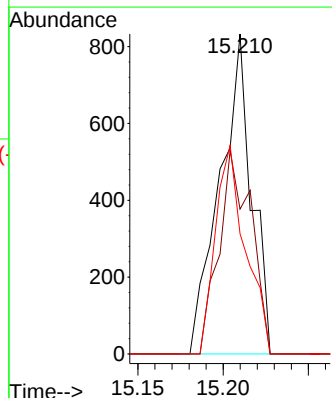
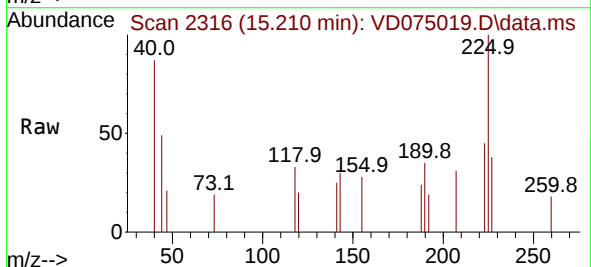
Tgt Ion:225 Resp: 1082

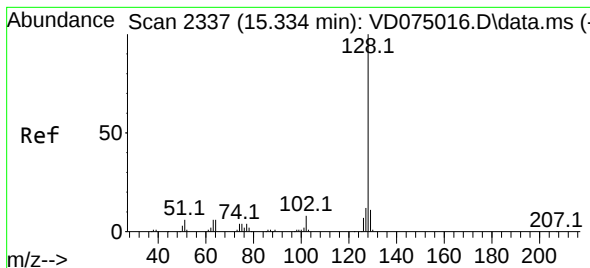
Ion Ratio Lower Upper

225 100

223 64.2 32.3 96.9

227 61.2 31.8 95.4





#95

Naphthalene

Concen: 2.162 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

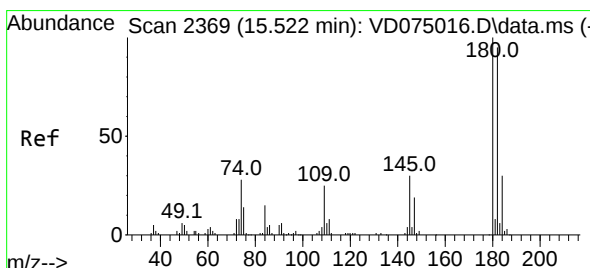
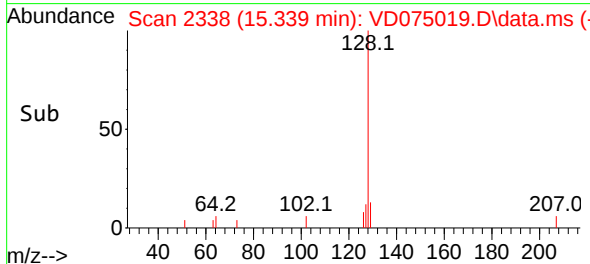
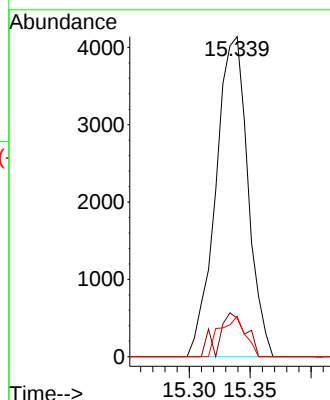
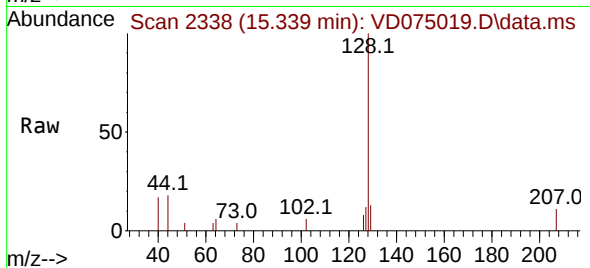
Tgt Ion:128 Resp: 7585

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.4

129 10.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 2.074 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD075019.D

Acq: 14 Dec 2022 13:25

Tgt Ion:180 Resp: 3264

Ion Ratio Lower Upper

180 100

182 98.3 47.6 142.8

145 30.2 15.8 47.4

