

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122722\
 Data File : VD075055.D
 Acq On : 27 Dec 2022 16:15
 Operator : KP/SY
 Sample : N6183-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-3

Quant Time: Dec 28 01:53:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

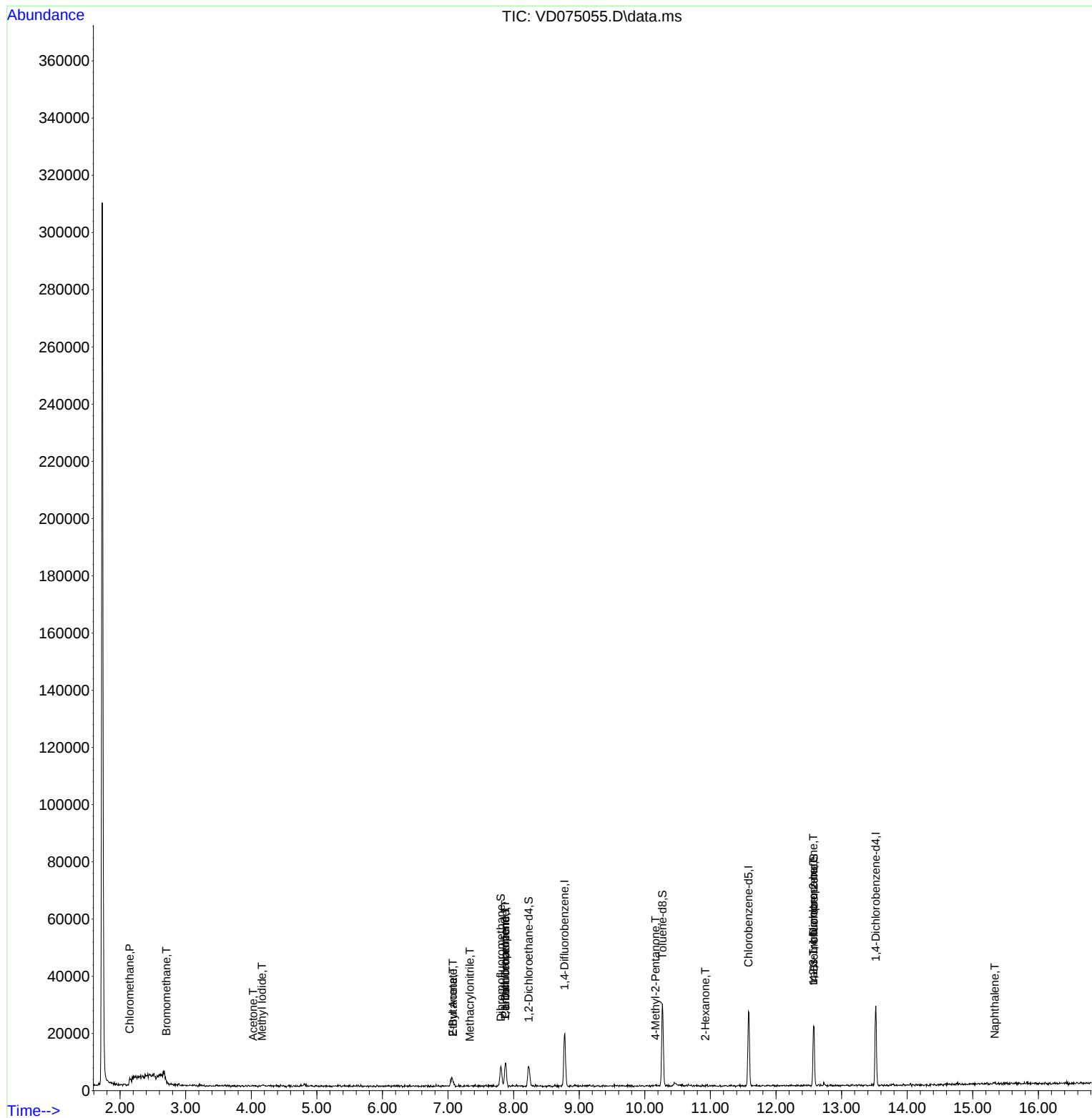
Internal Standards						
1) Pentafluorobenzene	7.875	168	7049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	16725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	15645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	7618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5873	85.237	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.480%#	
35) Dibromofluoromethane	7.805	113	5192	52.755	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.269	98	21233	53.395	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.800%	
62) 4-Bromofluorobenzene	12.575	95	8120	63.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.060%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	616	7.000	ug/l	92
5) Bromomethane	2.705	94	322	8.898	ug/l #	16
10) Methyl Iodide	4.164	142	323	5.953	ug/l #	44
16) Acetone	4.028	43	151	8.438	ug/l #	39
18) Methyl Acetate	4.564	43	63	Below Cal	#	44
20) Methylene Chloride	4.817	84	458	Below Cal	#	43
25) 2-Butanone	7.075	43	71	2.973	ug/l #	39
36) 1,1-Dichloropropene	7.869	75	204	1.605	ug/l #	40
37) Ethyl Acetate	7.075	43	71	1.106	ug/l #	65
38) Carbon Tetrachloride	7.875	117	790	7.187	ug/l #	13
41) Methacrylonitrile	7.334	41	57	1.427	ug/l #	19
51) 4-Methyl-2-Pentanone	10.163	43	274	4.294	ug/l #	31
59) 2-Hexanone	10.922	43	79	1.702	ug/l #	20
76) 1,2,3-Trichloropropane	12.569	75	3892	49.826	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	3892	115.480	ug/l #	19
95) Naphthalene	15.334	128	554	1.877	ug/l #	69

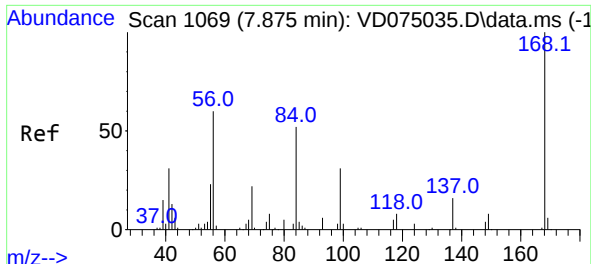
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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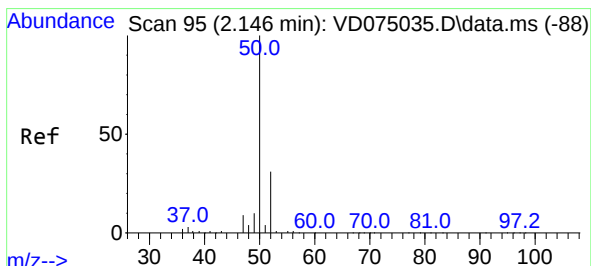
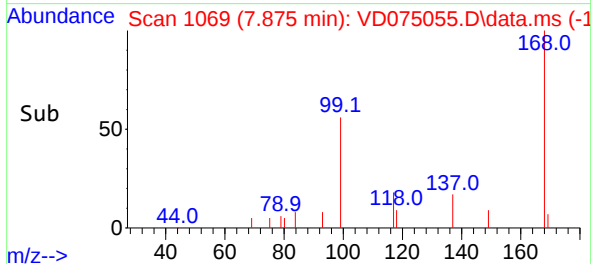
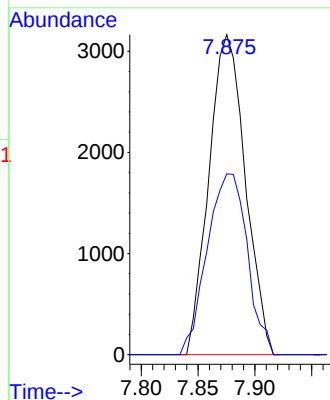
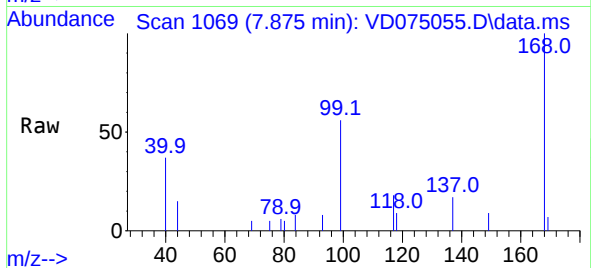




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

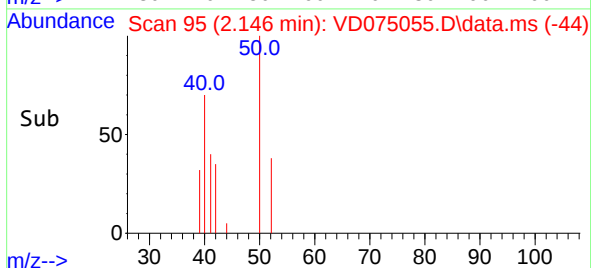
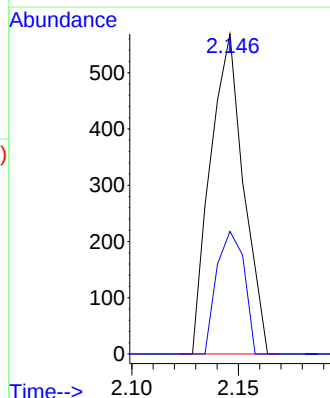
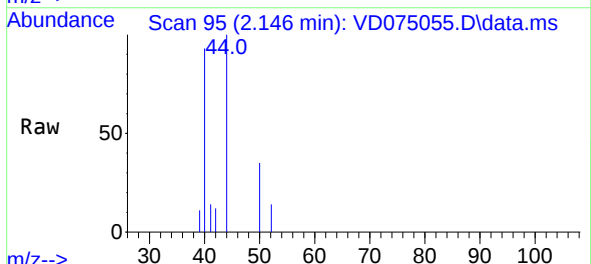
Instrument :
MSVOA_D
ClientSampleId :
R-3

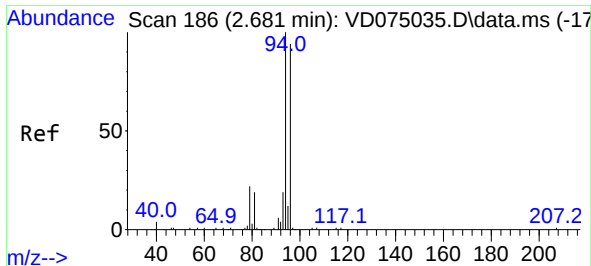
Tgt Ion:168 Resp: 7049
Ion Ratio Lower Upper
168 100
99 56.5 40.3 60.5



#3
Chloromethane
Concen: 7.000 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 38.3 27.2 40.8

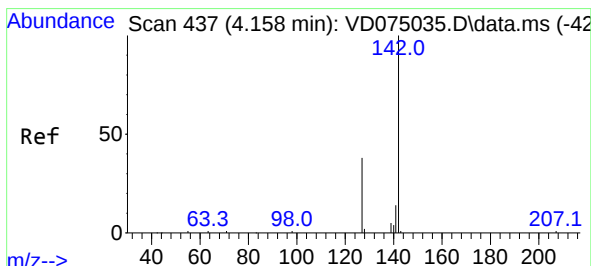
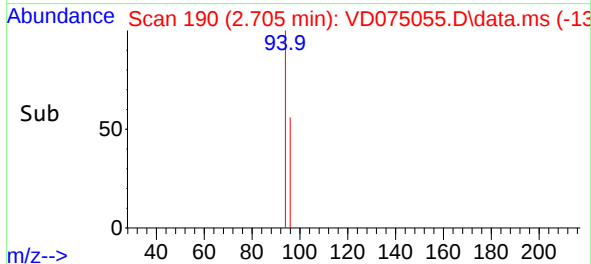
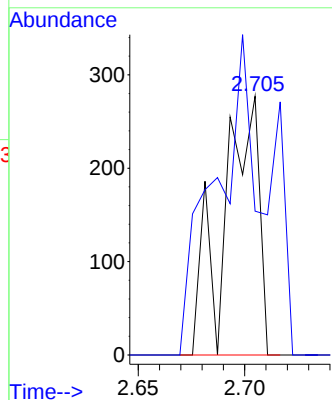
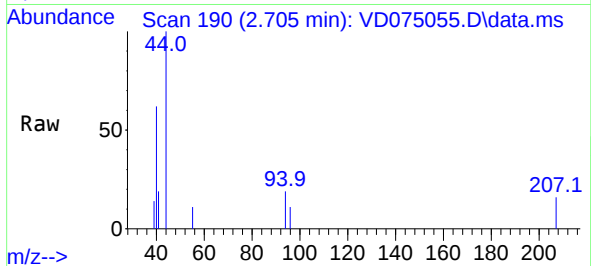




#5
Bromomethane
Concen: 8.898 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.024 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

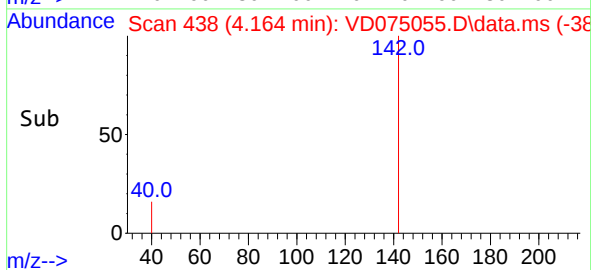
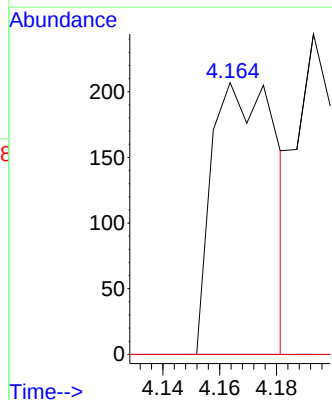
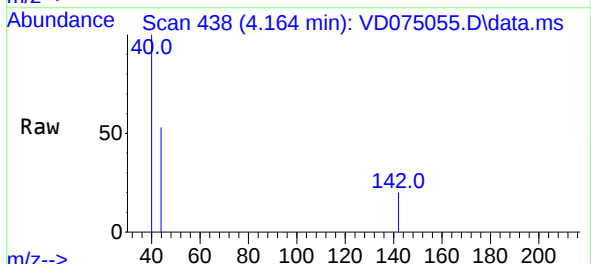
Instrument :
MSVOA_D
ClientSampleId :
R-3

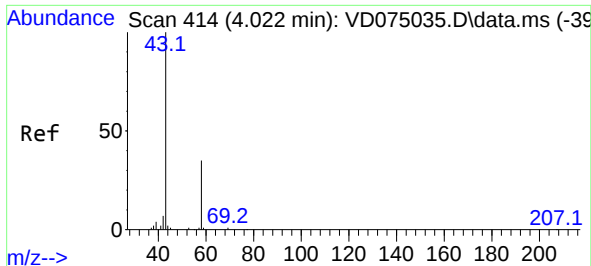
Tgt Ion: 94 Resp: 322
Ion Ratio Lower Upper
94 100
96 175.2 75.2 112.8#



#10
Methyl Iodide
Concen: 5.953 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 142 Resp: 323
Ion Ratio Lower Upper
142 100
127 0.0 31.4 47.2#
141 0.0 11.4 17.2#

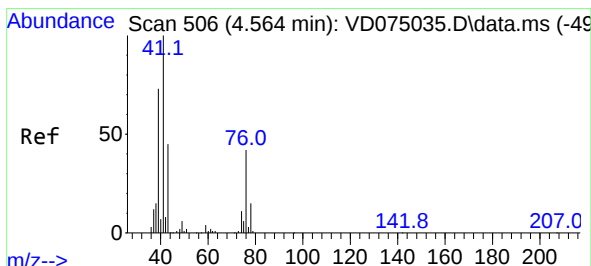
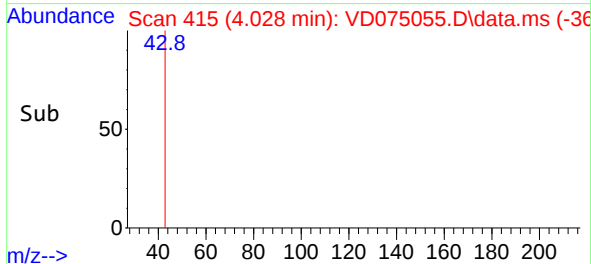
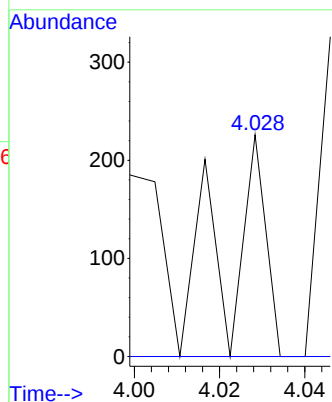
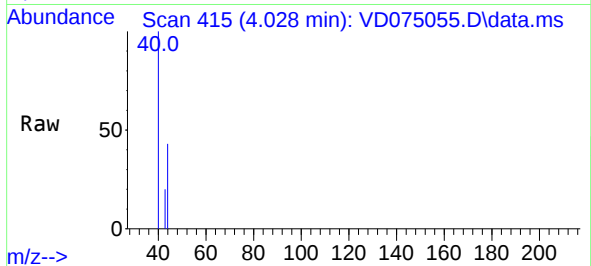




#16
Acetone
Concen: 8.438 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

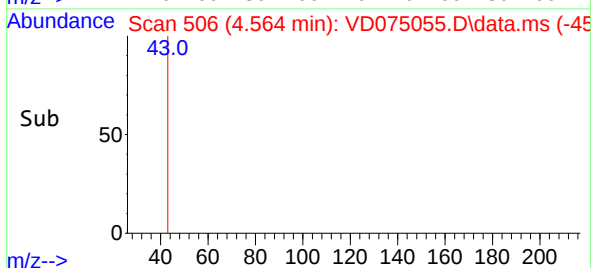
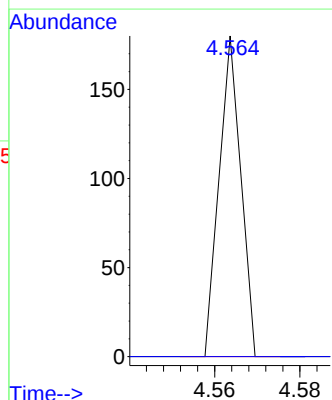
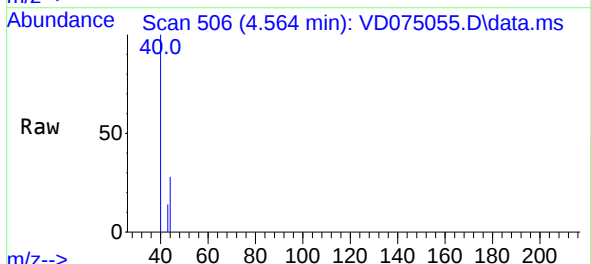
Instrument :
MSVOA_D
ClientSampleId :
R-3

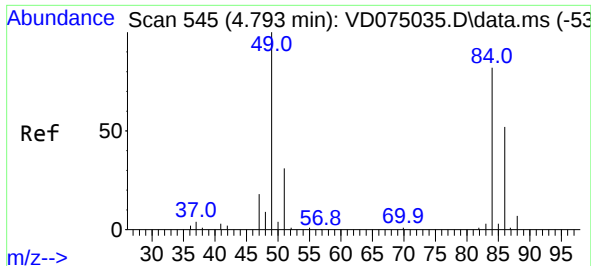
Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#



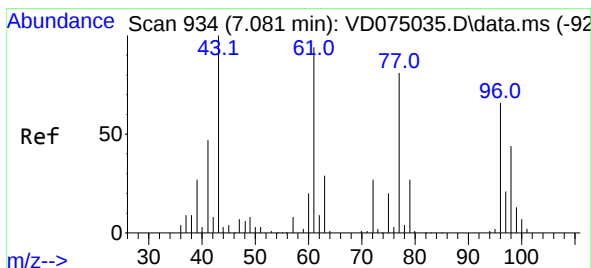
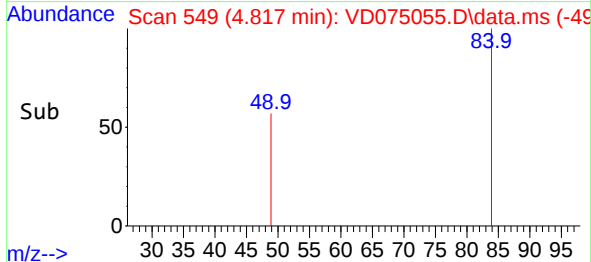
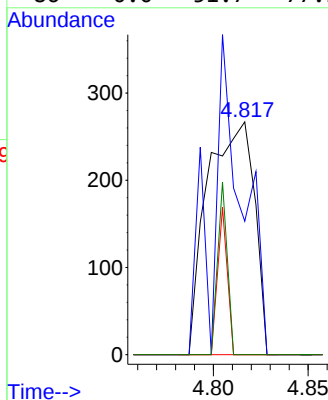
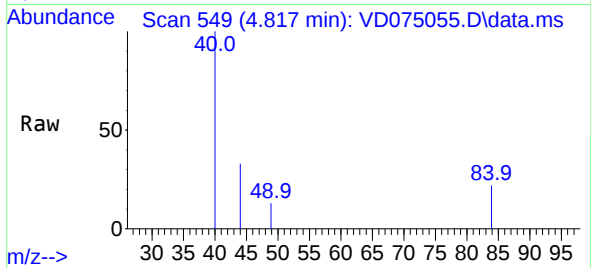


#20
Methylene Chloride
Concen: Below Cal
RT: 4.817 min Scan# 54
Delta R.T. 0.024 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Instrument :
MSVOA_D
ClientSampleId :
R-3

Tgt Ion: 84 Resp: 458

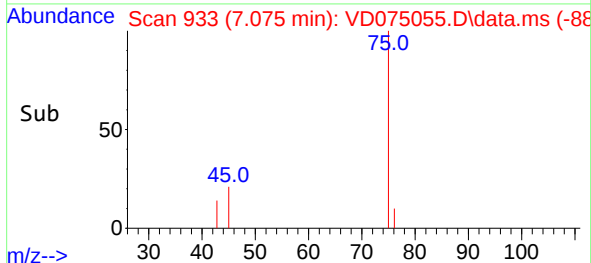
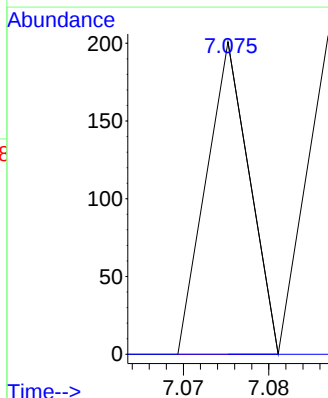
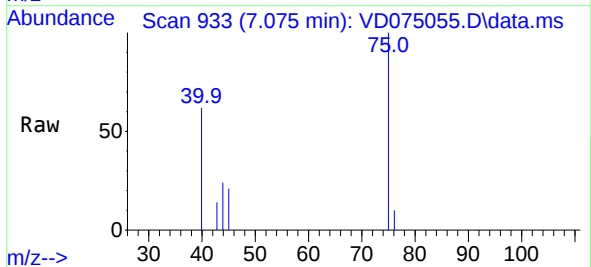
Ion	Ratio	Lower	Upper
84	100		
49	57.3	77.2	115.8#
51	0.0	24.1	36.1#
86	0.0	51.7	77.5#

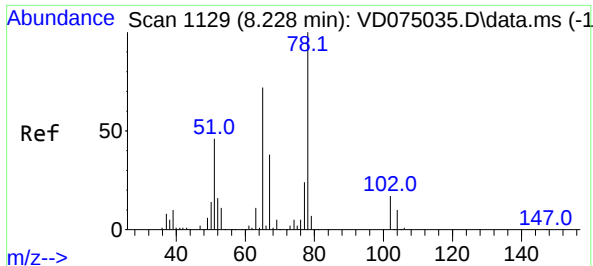


#25
2-Butanone
Concen: 2.973 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 43 Resp: 71

Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.4	42.6#





#33

1,2-Dichloroethane-d4

Concen: 85.237 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075055.D

Acq: 27 Dec 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

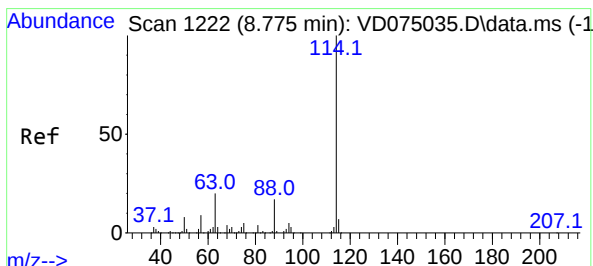
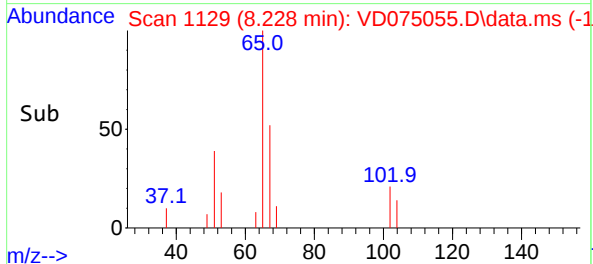
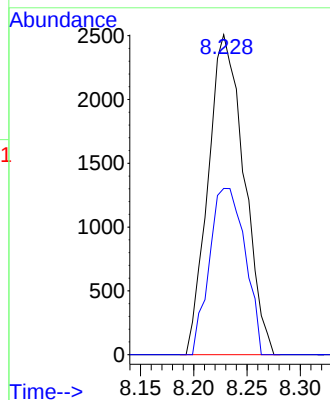
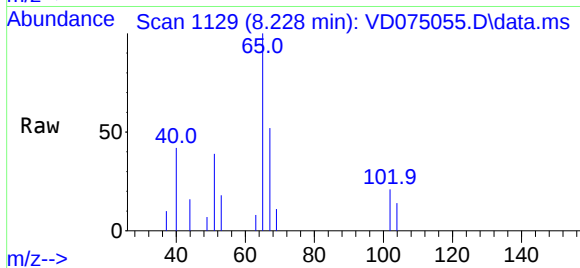
R-3

Tgt Ion: 65 Resp: 5873

Ion Ratio Lower Upper

65 100

67 51.6 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075055.D

Acq: 27 Dec 2022 16:15

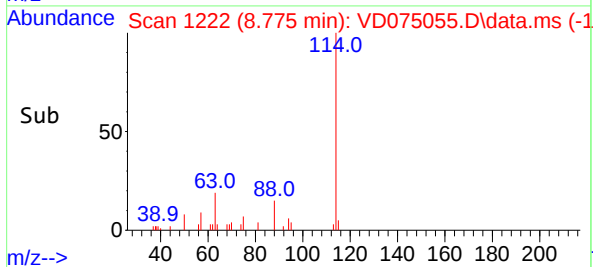
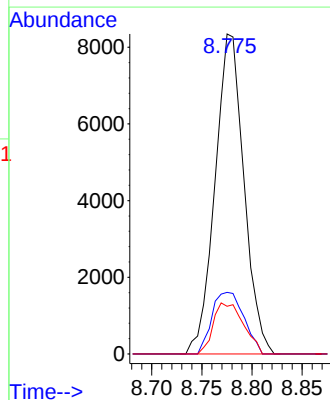
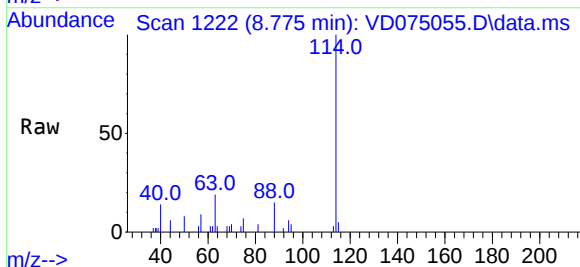
Tgt Ion: 114 Resp: 16725

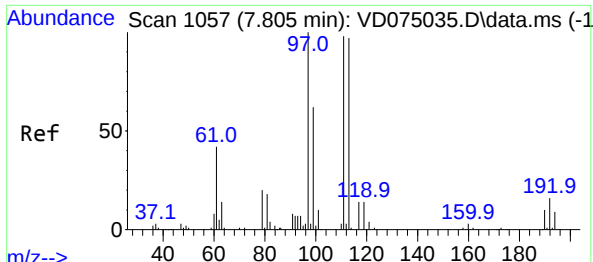
Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.8

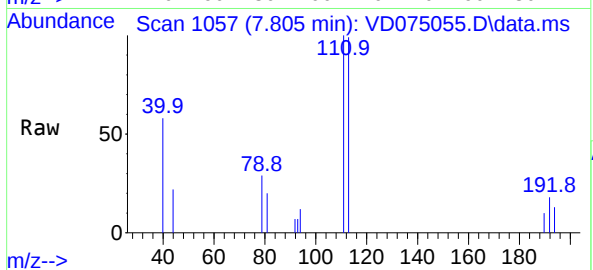
88 14.9 0.0 27.8



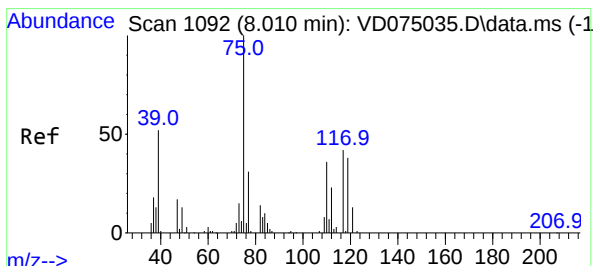
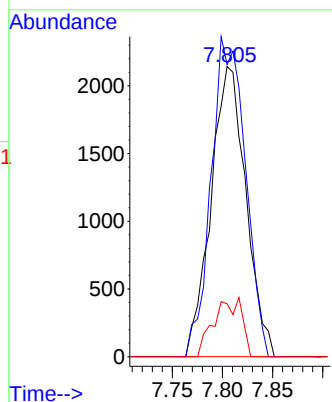
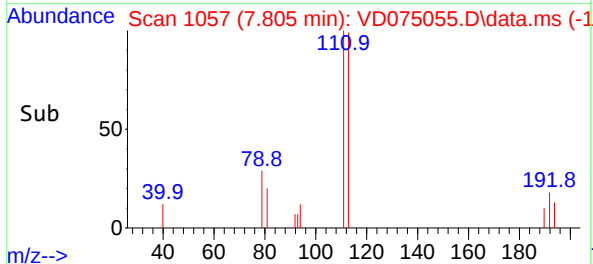


#35
Dibromofluoromethane
Concen: 52.755 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

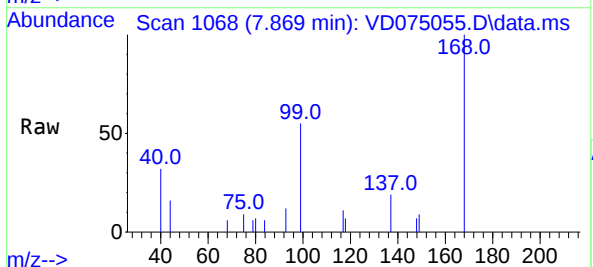
Instrument :
MSVOA_D
ClientSampleId :
R-3



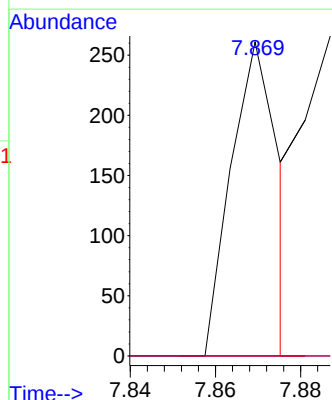
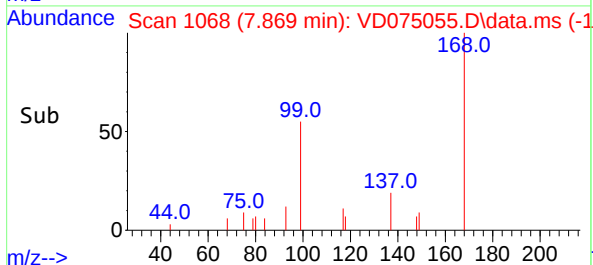
Tgt Ion:113 Resp: 5192
Ion Ratio Lower Upper
113 100
111 107.5 82.1 123.1
192 16.2 15.1 22.7

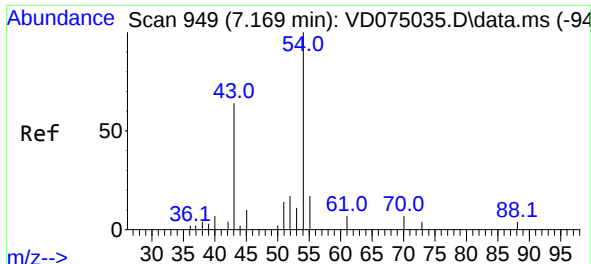


#36
1,1-Dichloropropene
Concen: 1.605 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15



Tgt Ion: 75 Resp: 204
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.106 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD075055.D

Acq: 27 Dec 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

R-3

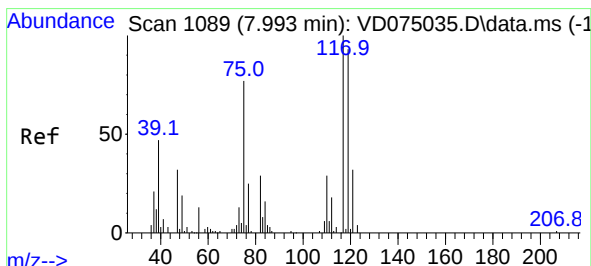
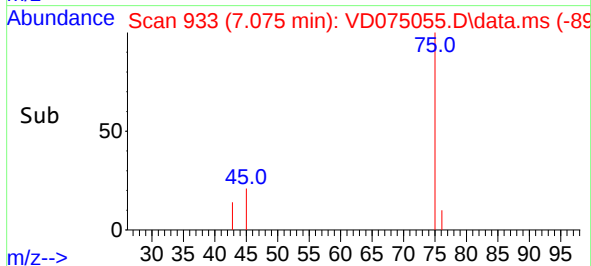
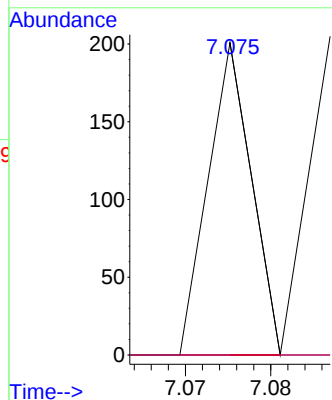
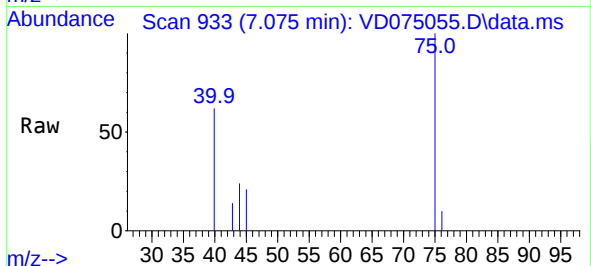
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

70 0.0 10.2 15.4#



#38

Carbon Tetrachloride

Concen: 7.187 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075055.D

Acq: 27 Dec 2022 16:15

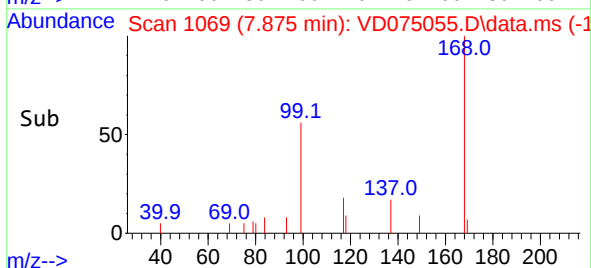
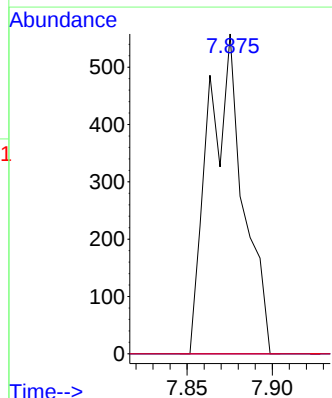
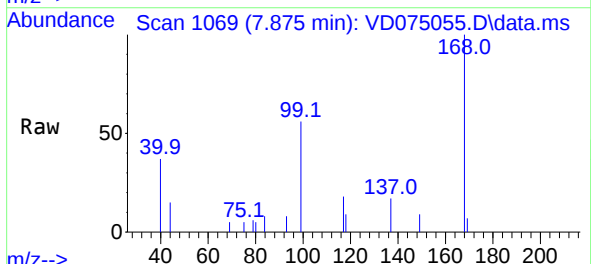
Tgt Ion: 117 Resp: 790

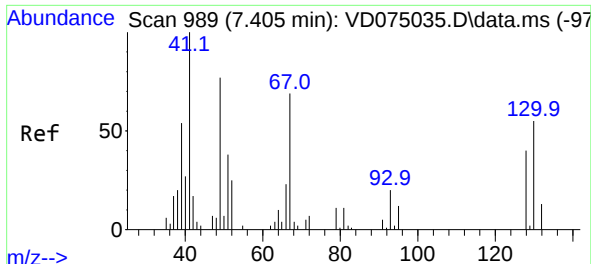
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 25.4 38.0#

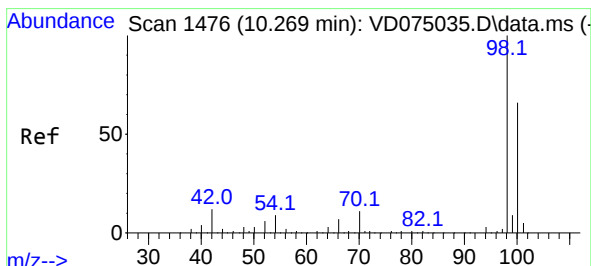
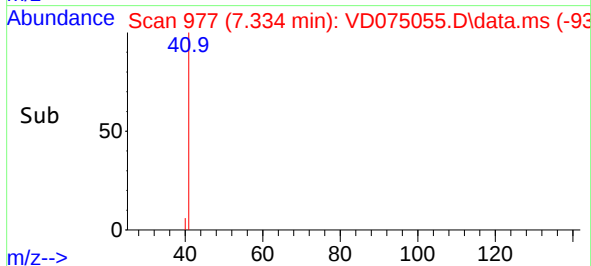
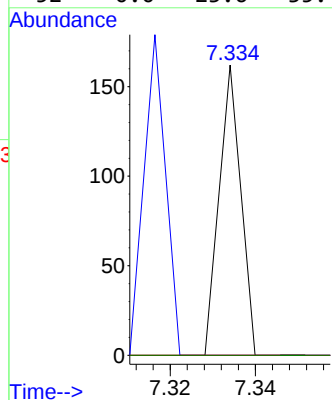
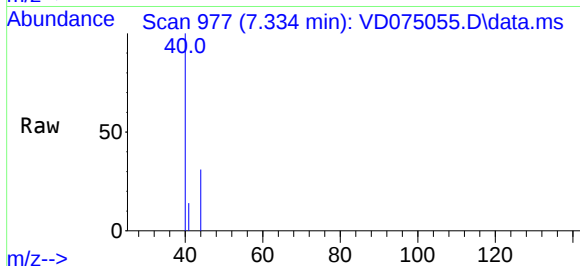




#41
Methacrylonitrile
Concen: 1.427 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.071 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

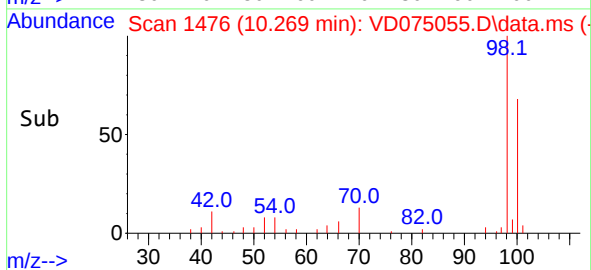
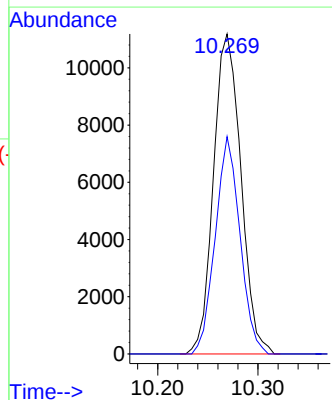
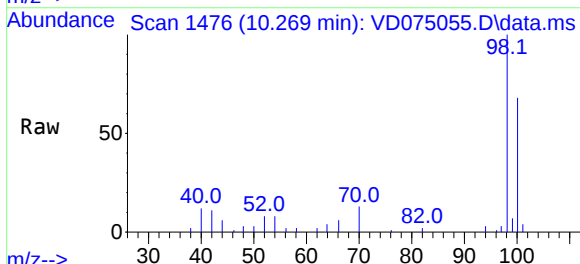
Instrument :
MSVOA_D
ClientSampleId :
R-3

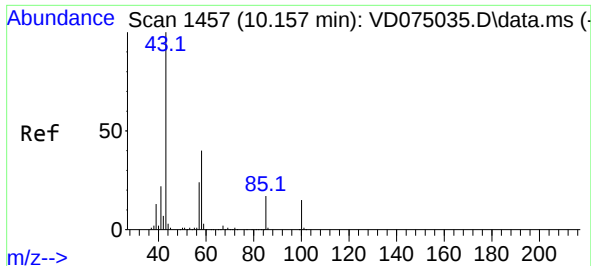
Tgt Ion: 41	Resp: 57
Ion Ratio	Lower Upper
41 100	
39 110.5	44.8 67.2#
67 0.0	69.6 104.4#
52 0.0	23.6 35.4#



#50
Toluene-d8
Concen: 53.395 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 98	Resp: 21233
Ion Ratio	Lower Upper
98 100	
100 61.3	52.2 78.2

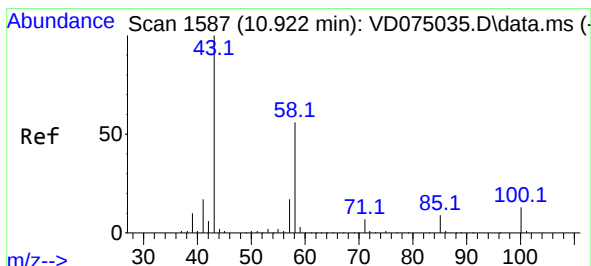
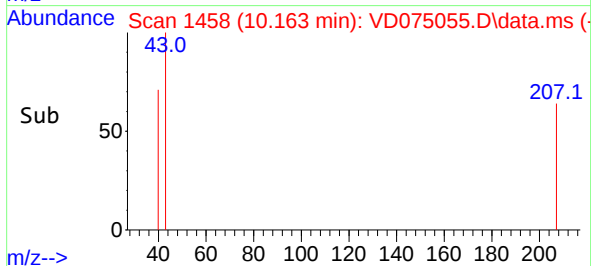
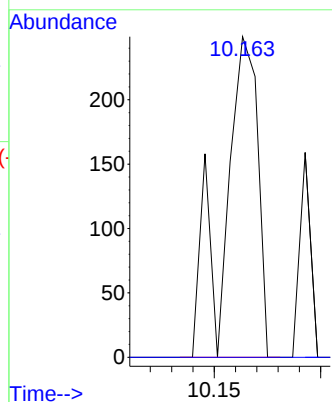
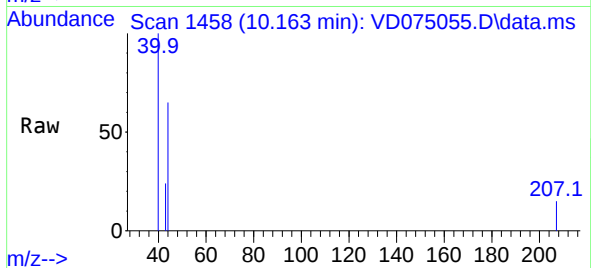




#51
4-Methyl-2-Pentanone
Concen: 4.294 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

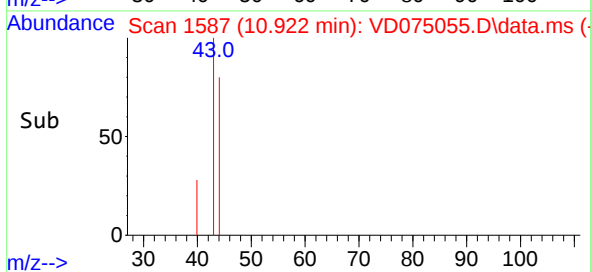
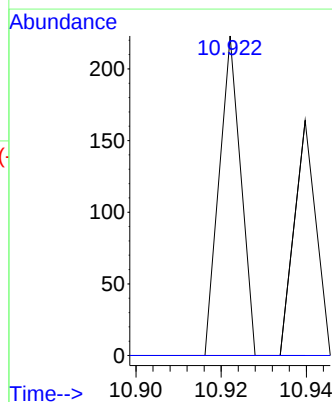
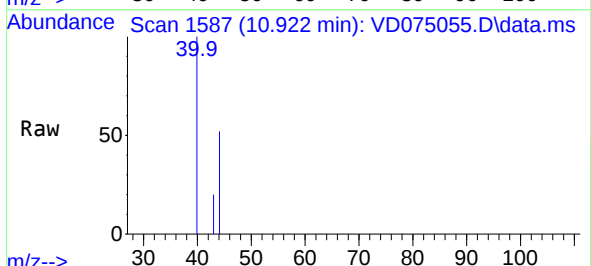
Instrument :
MSVOA_D
ClientSampleId :
R-3

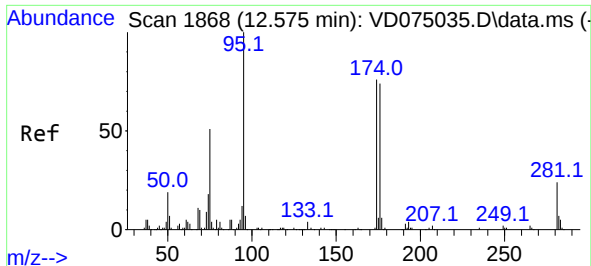
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#59
2-Hexanone
Concen: 1.702 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.4#

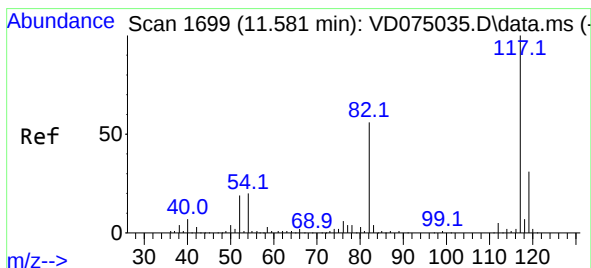
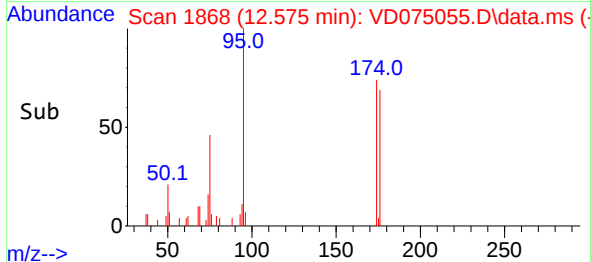
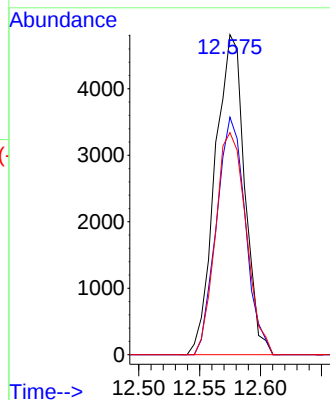
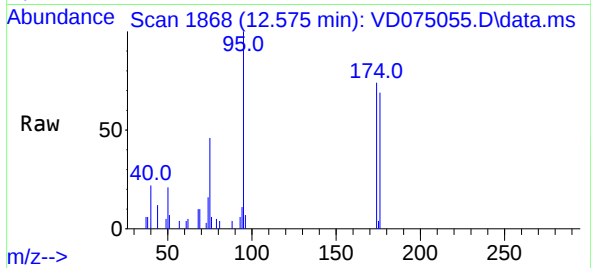




#62
4-Bromofluorobenzene
Concen: 63.031 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

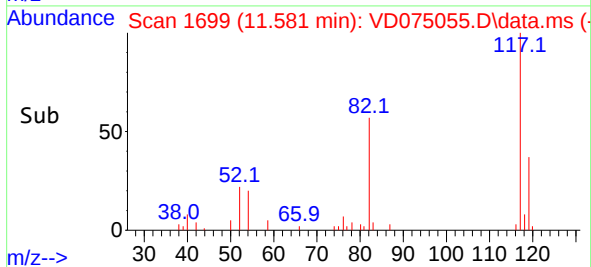
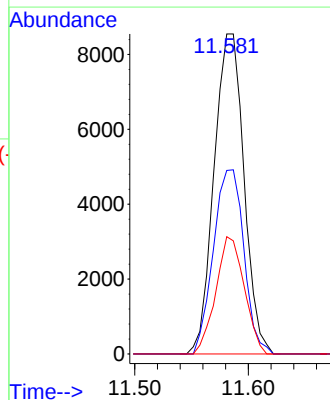
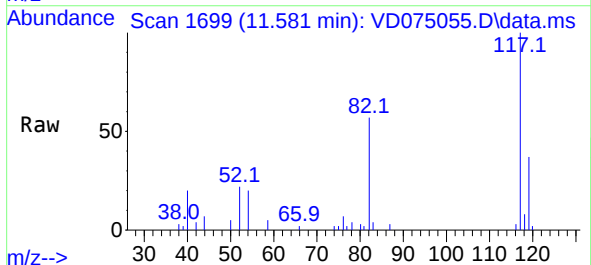
Instrument :
MSVOA_D
ClientSampleId :
R-3

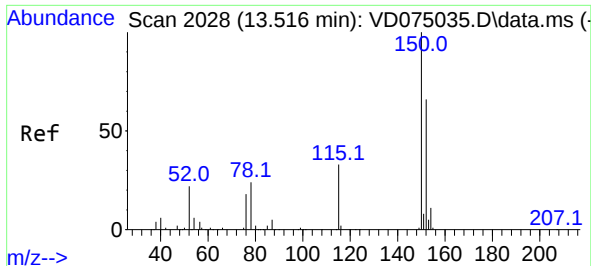
Tgt Ion:	95	Resp:	8120
Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	171.2
176	71.9	0.0	165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion:	117	Resp:	15645
Ion	Ratio	Lower	Upper
117	100		
82	57.3	40.9	61.3
119	36.7	25.5	38.3

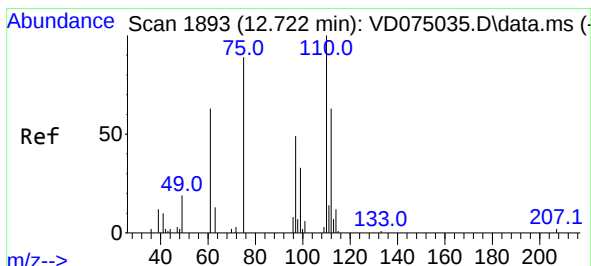
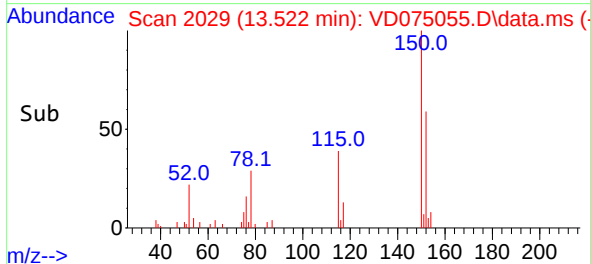
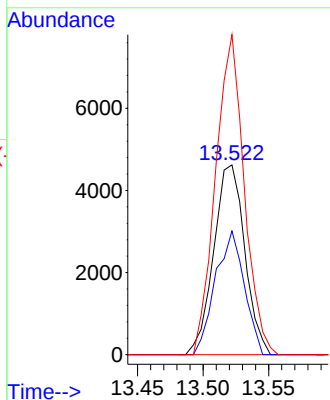
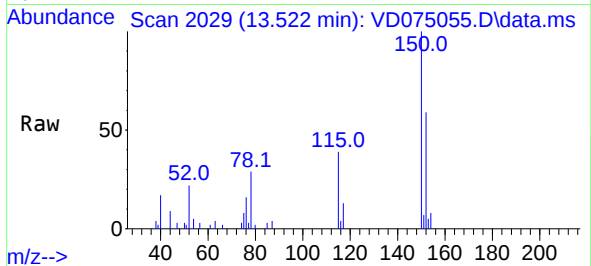




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

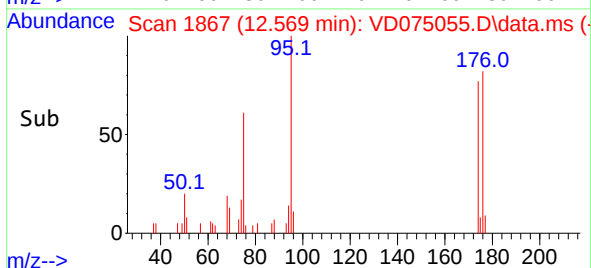
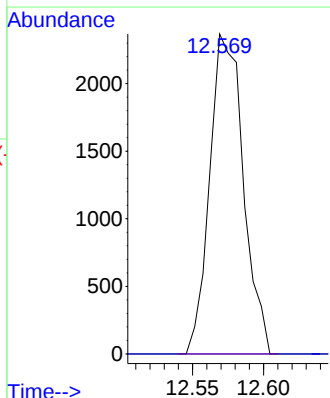
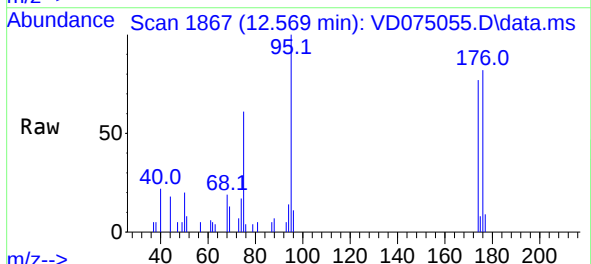
Instrument :
MSVOA_D
ClientSampleId :
R-3

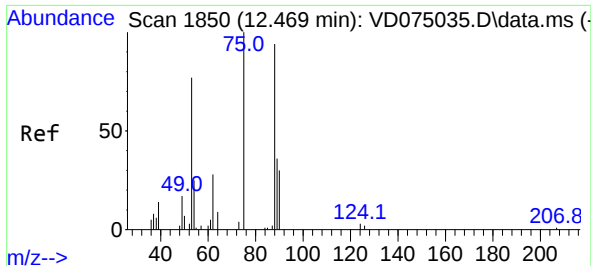
Tgt Ion:152 Resp: 7618
Ion Ratio Lower Upper
152 100
115 60.6 28.8 86.5
150 155.4 0.0 354.2



#76
1,2,3-Trichloropropane
Concen: 49.826 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion: 75 Resp: 3892
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

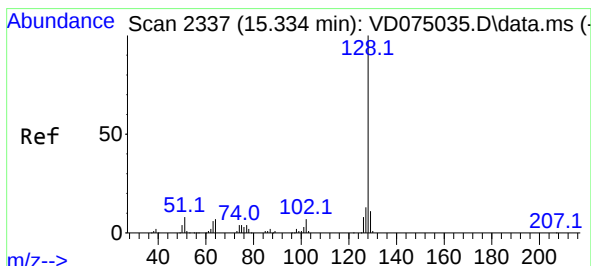
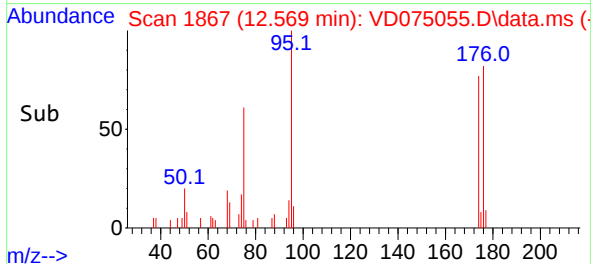
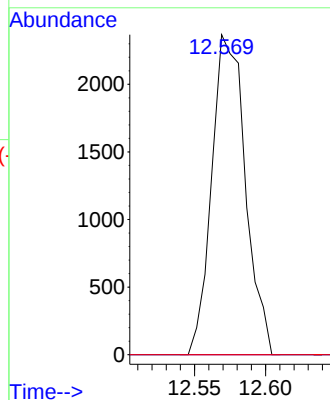
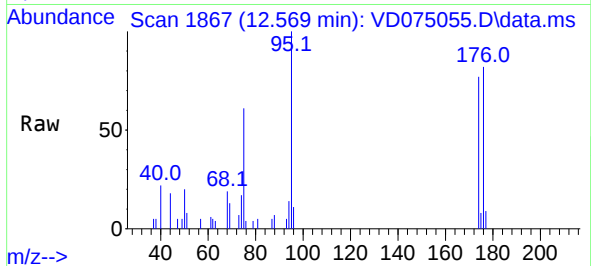




#81
trans-1,4-Dichloro-2-butene
Concen: 115.480 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Instrument :
MSVOA_D
ClientSampleId :
R-3

Tgt Ion: 75 Resp: 3892
Ion Ratio Lower Upper
75 100
53 0.0 60.0 90.0#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.877 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD075055.D
Acq: 27 Dec 2022 16:15

Tgt Ion:128 Resp: 554
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

