

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074065.D
 Acq On : 12 Aug 2022 16:19
 Operator : VA/SY
 Sample : N4121-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 23:48:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

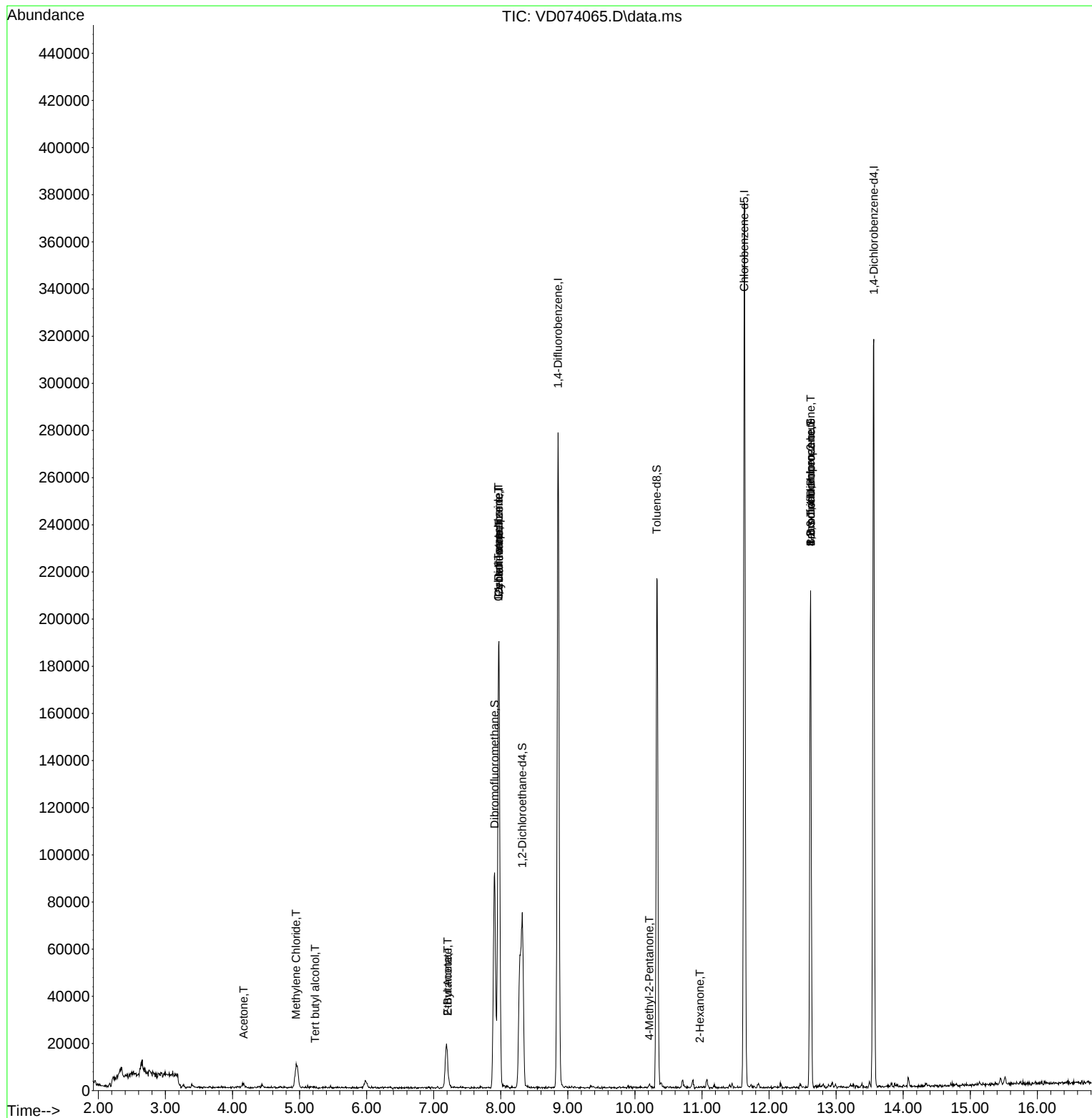
Internal Standards						
1) Pentafluorobenzene	7.973	168	135862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	233791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	204146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	82714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55089	51.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.320%
35) Dibromofluoromethane	7.908	113	63324	40.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.560%
50) Toluene-d8	10.326	98	147067	34.441	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	68.880%
62) 4-Bromofluorobenzene	12.620	95	63798	33.410	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.820%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	369	Below Cal	#	43
3) Chloromethane	2.209	50	735	Below Cal	#	54
11) Tert butyl alcohol	5.232	59	143	9.380	ug/l #	74
16) Acetone	4.167	43	3446	15.852	ug/l #	65
18) Methyl Acetate	4.709	43	64	Below Cal	#	49
20) Methylene Chloride	4.950	84	7944	2.656	ug/l	97
25) 2-Butanone	7.208	43	2008	5.907	ug/l #	46
31) Cyclohexane	7.973	56	3406	1.428	ug/l #	25
36) 1,1-Dichloropropene	7.967	75	11044	4.674	ug/l #	49
37) Ethyl Acetate	7.208	43	2008	2.388	ug/l #	59
38) Carbon Tetrachloride	7.967	117	14296	5.366	ug/l #	17
51) 4-Methyl-2-Pentanone	10.214	43	892	1.081	ug/l	96
59) 2-Hexanone	10.967	43	631	1.141	ug/l #	23
71) Bromoform	12.620	173	1042	1.144	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	34637	45.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	34637	122.414	ug/l #	13

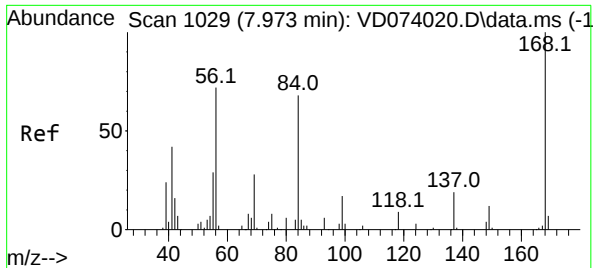
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration

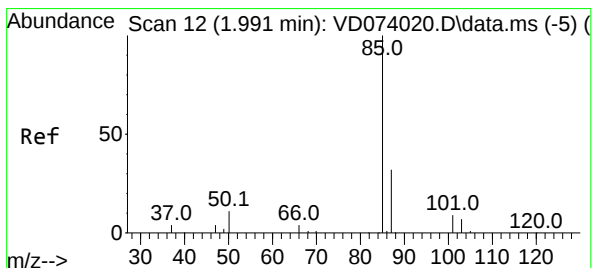
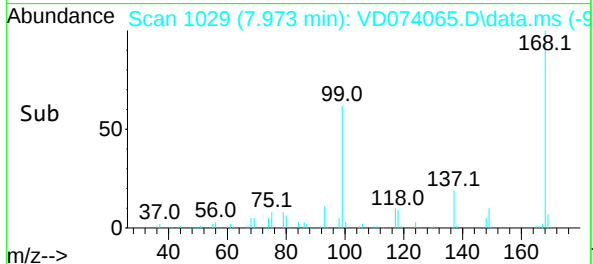
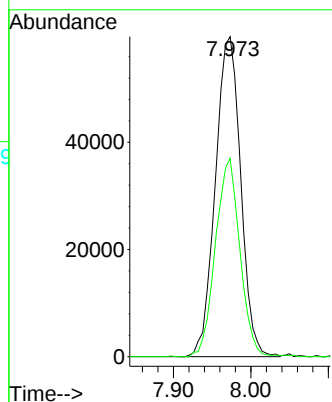
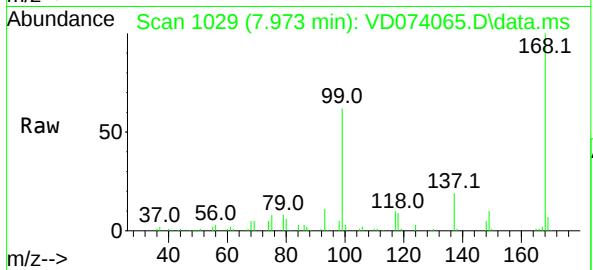




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

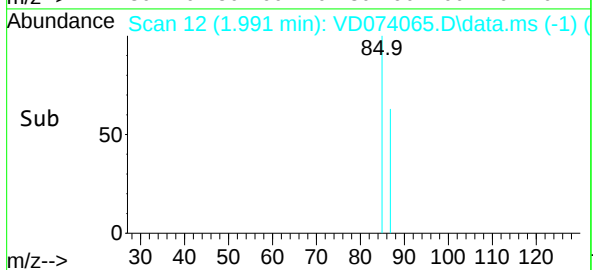
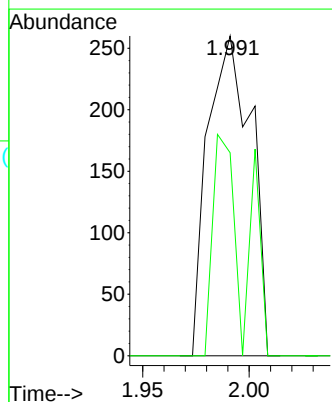
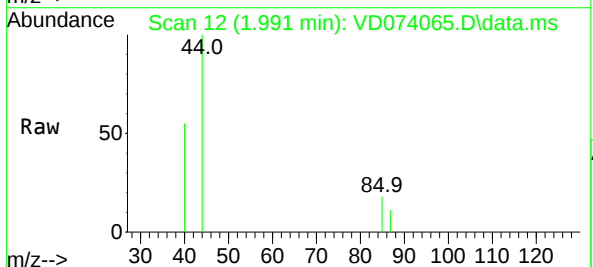
Instrument :
MSVOA_D
ClientSampleId :

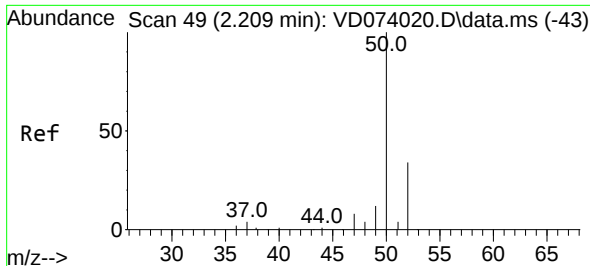
Tgt Ion:168 Resp: 135862
Ion Ratio Lower Upper
168 100
99 61.9 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

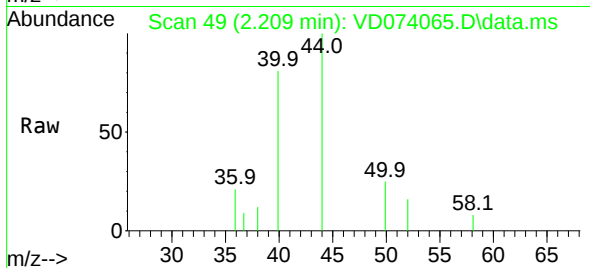
Tgt Ion: 85 Resp: 369
Ion Ratio Lower Upper
85 100
87 63.5 16.0 47.9



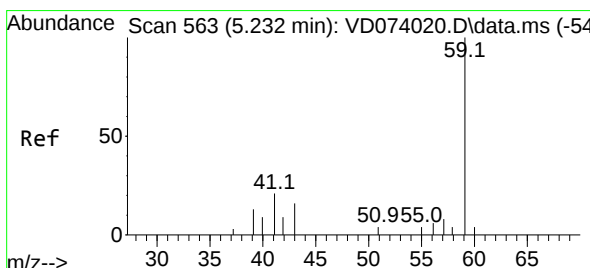
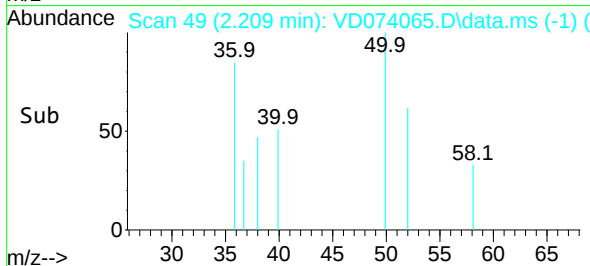
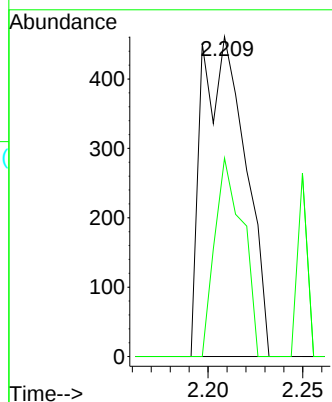


#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

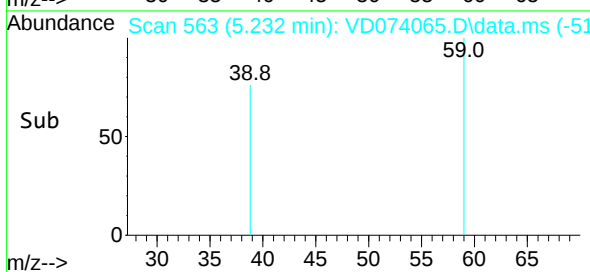
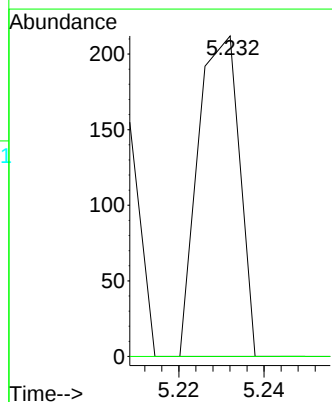
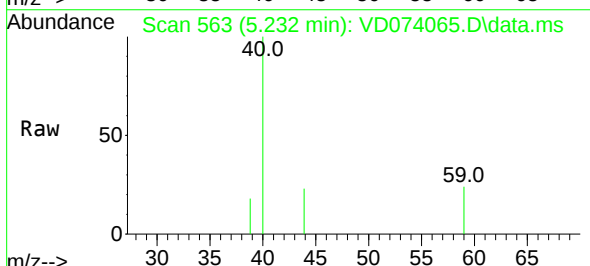


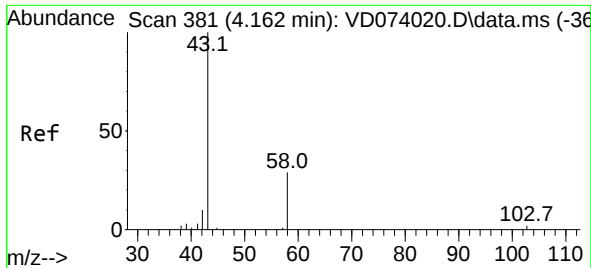
Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 62.0 28.1 42.1#



#11
Tert butyl alcohol
Concen: 9.380 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

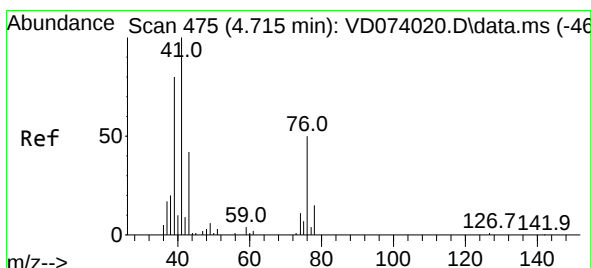
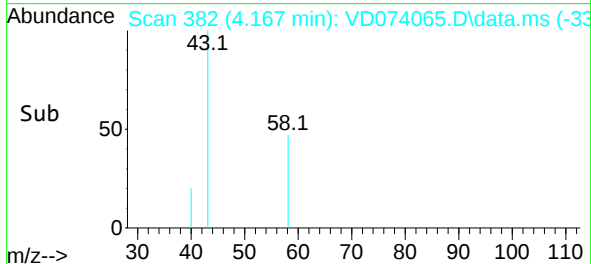
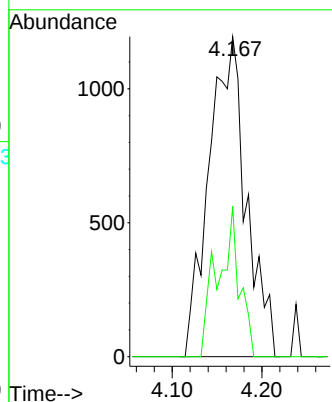
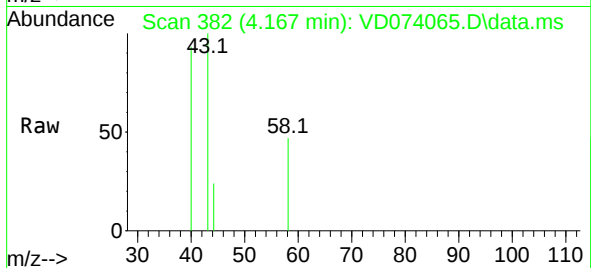




#16
Acetone
Concen: 15.852 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.005 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

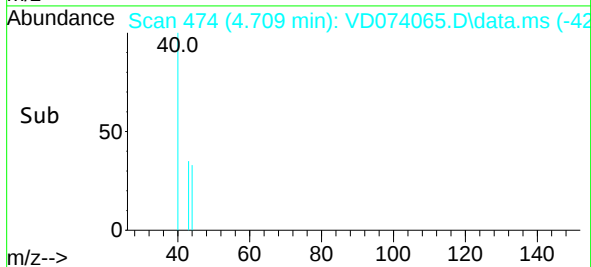
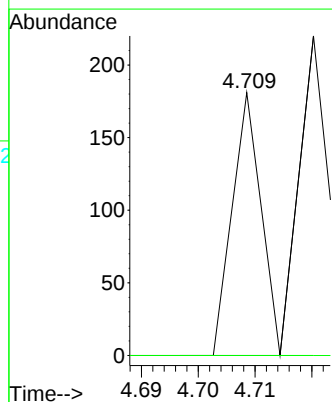
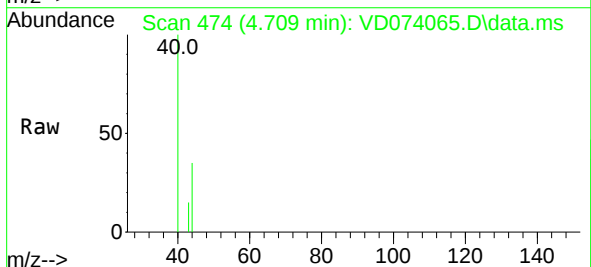
Instrument :
MSVOA_D
ClientSampleId :

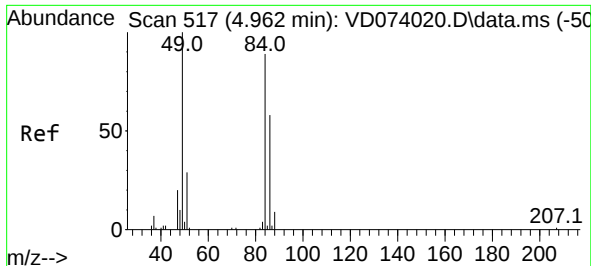
Tgt Ion: 43 Resp: 3446
Ion Ratio Lower Upper
43 100
58 46.9 22.8 34.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

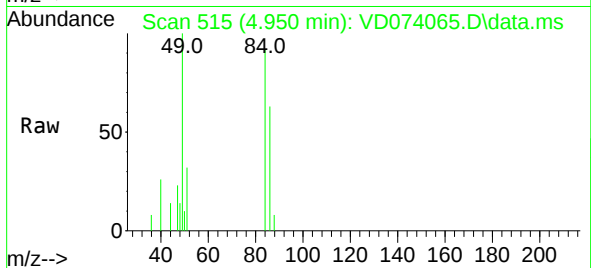
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



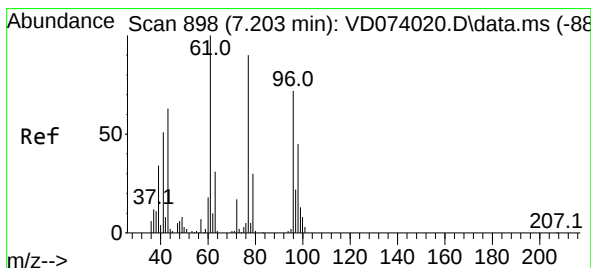
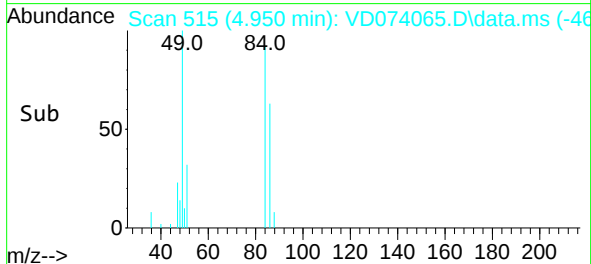
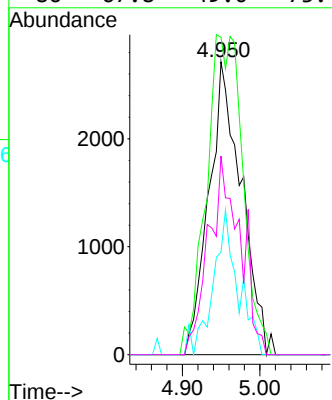


#20
Methylene Chloride
Concen: 2.656 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

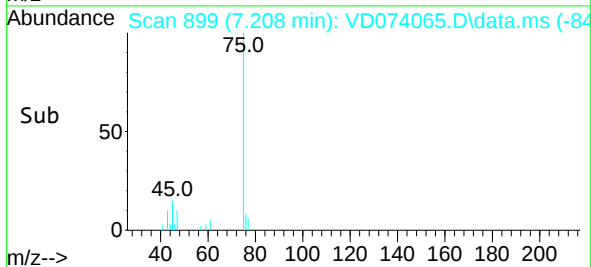
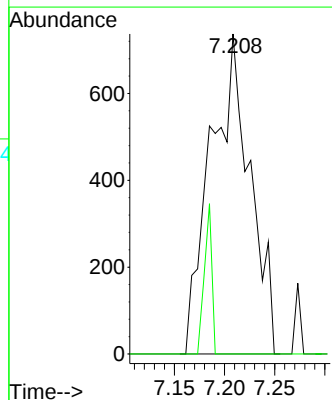
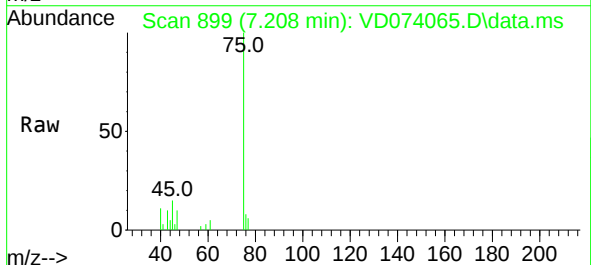


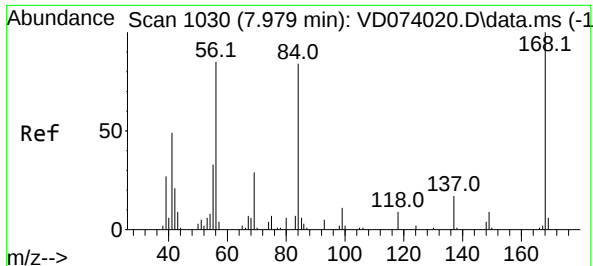
Tgt Ion: 84	Resp: 7944
Ion Ratio	Lower Upper
84 100	
49 108.4	85.8 128.6
51 35.1	28.0 42.0
86 67.8	49.0 73.4



#25
2-Butanone
Concen: 5.907 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.005 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

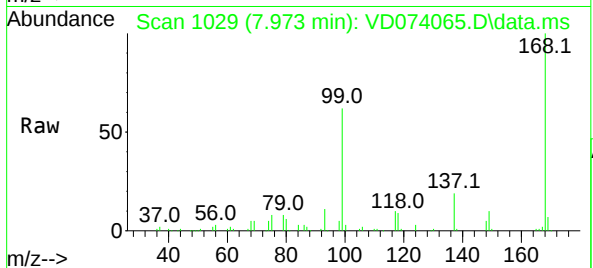
Tgt Ion: 43	Resp: 2008
Ion Ratio	Lower Upper
43 100	
72 0.0	23.0 34.6#



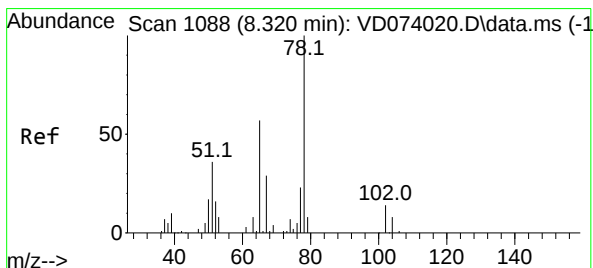
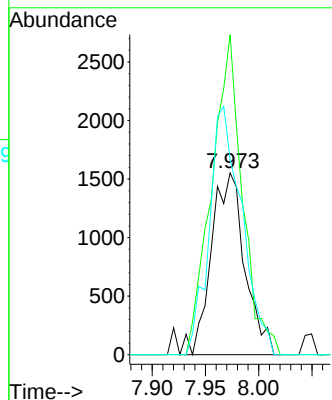
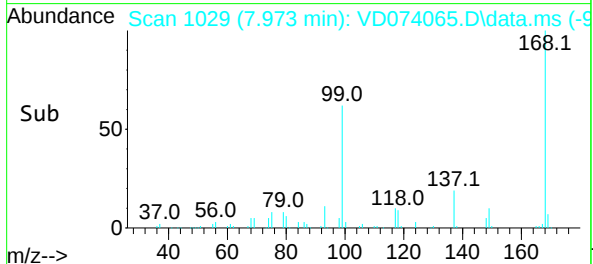


#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

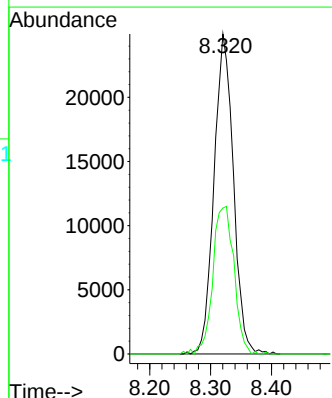
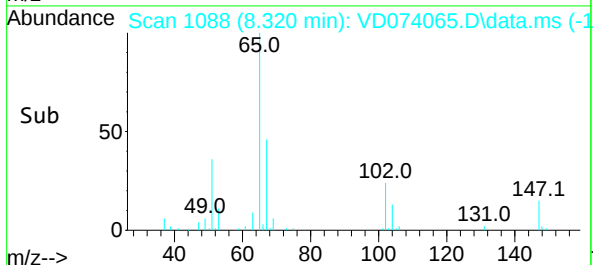
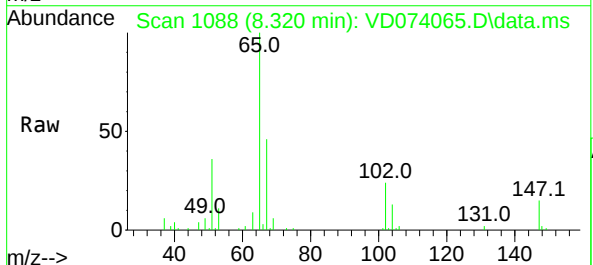


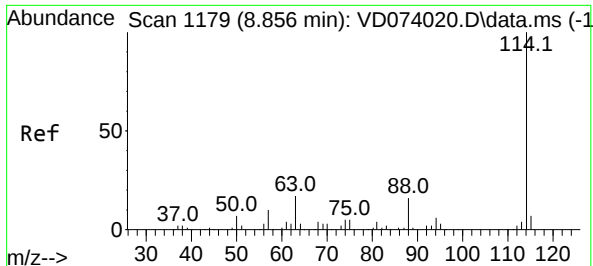
Tgt Ion: 56 Resp: 3406
Ion Ratio Lower Upper
56 100
69 176.1 27.9 41.9#
84 107.4 75.8 113.6



#33
1,2-Dichloroethane-d4
Concen: 51.662 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 65 Resp: 55089
Ion Ratio Lower Upper
65 100
67 50.4 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074065.D

Acq: 12 Aug 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

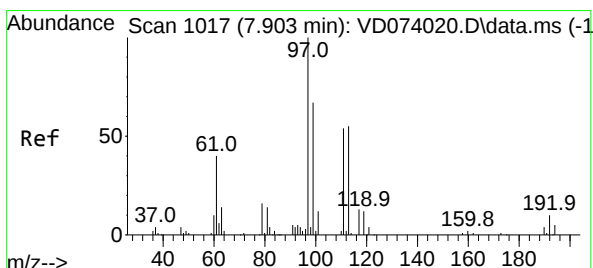
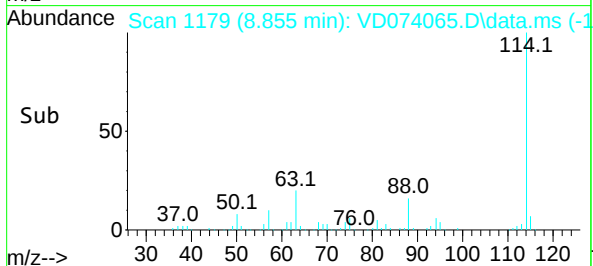
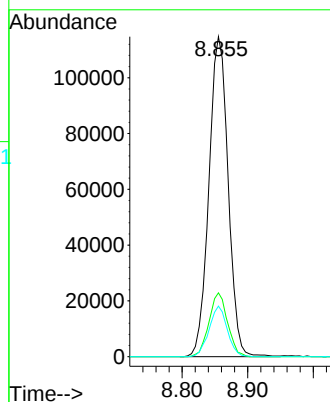
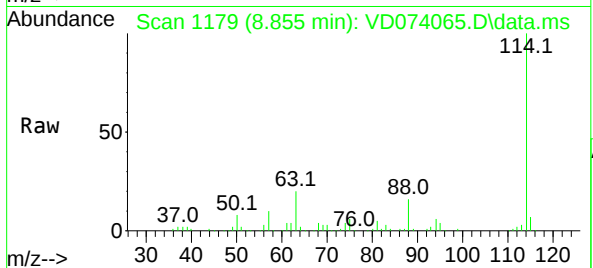
Tgt Ion:114 Resp: 233791

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 40.780 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.005 min

Lab File: VD074065.D

Acq: 12 Aug 2022 16:19

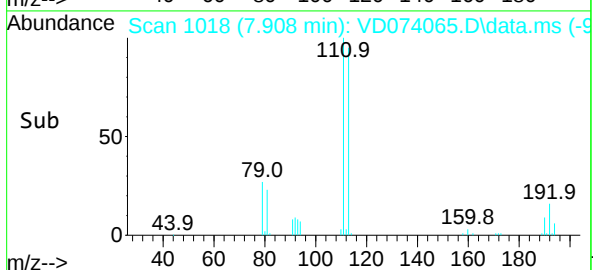
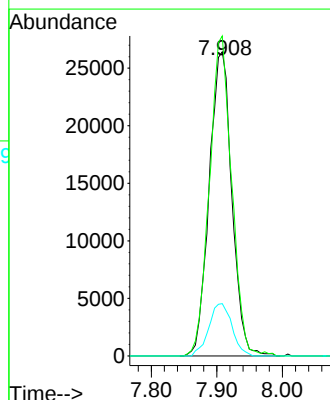
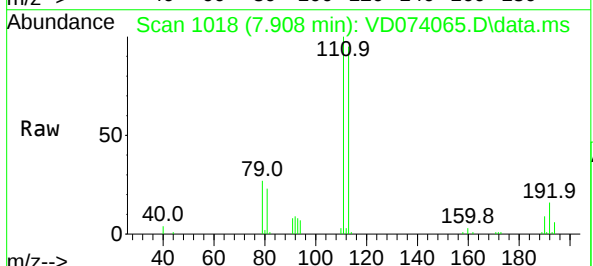
Tgt Ion:113 Resp: 63324

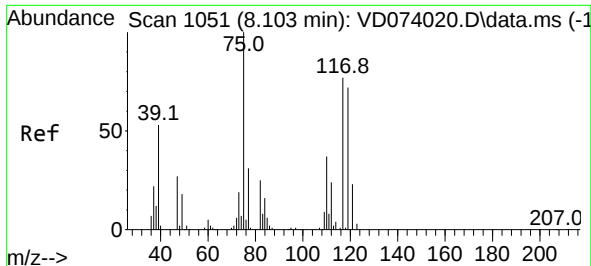
Ion Ratio Lower Upper

113 100

111 103.7 80.0 120.0

192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.967 min Scan# 11044

Delta R.T. -0.136 min

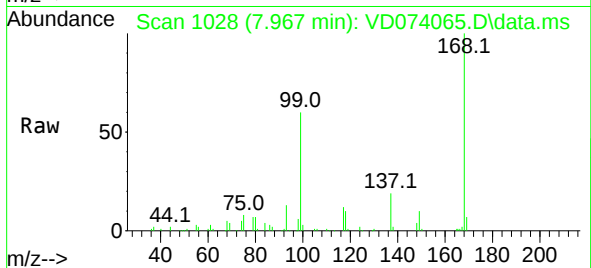
Lab File: VD074065.D

Acq: 12 Aug 2022 16:19

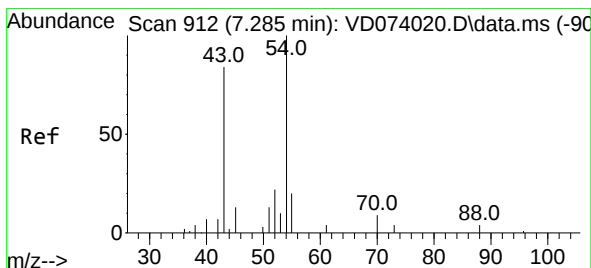
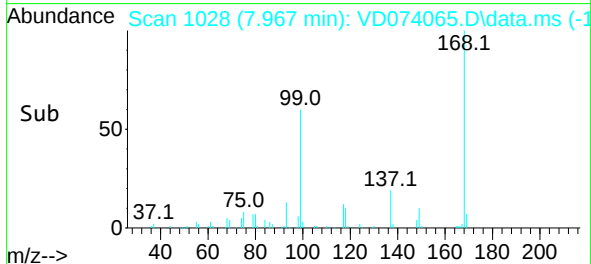
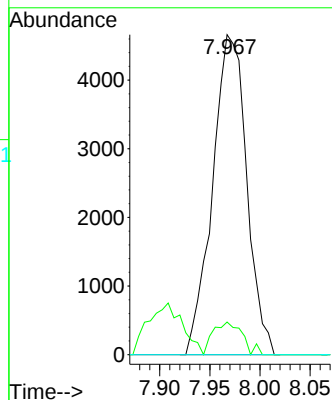
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	11044
Ion Ratio	Lower	Upper	
75	100		
110	8.8	18.4	55.4#
77	0.0	24.6	36.8#



#37

Ethyl Acetate

Concen: 2.388 ug/l

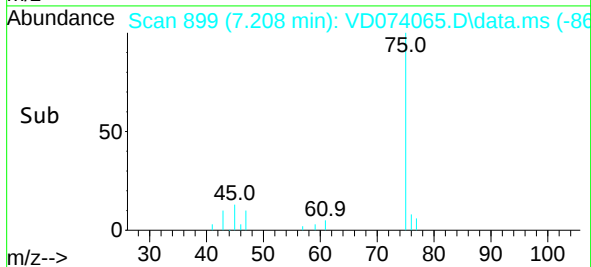
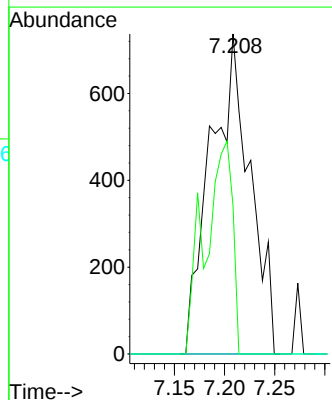
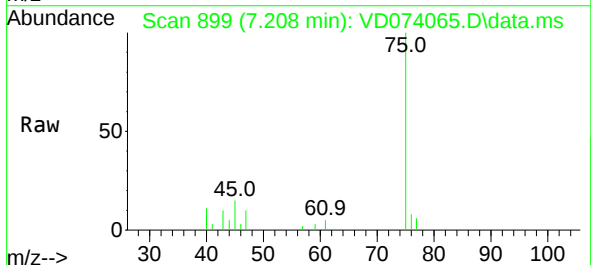
RT: 7.208 min Scan# 899

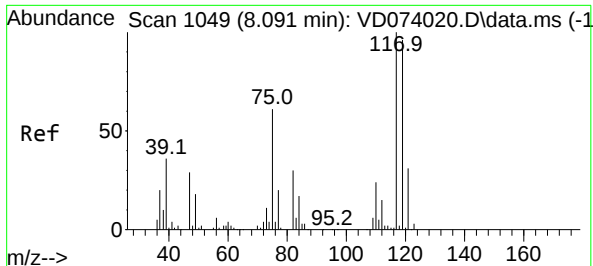
Delta R.T. -0.077 min

Lab File: VD074065.D

Acq: 12 Aug 2022 16:19

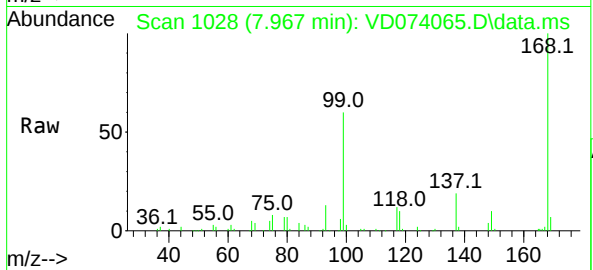
Tgt Ion:	43	Resp:	2008
Ion Ratio	Lower	Upper	
43	100		
61	33.8	11.0	16.6#
70	0.0	10.2	15.2#



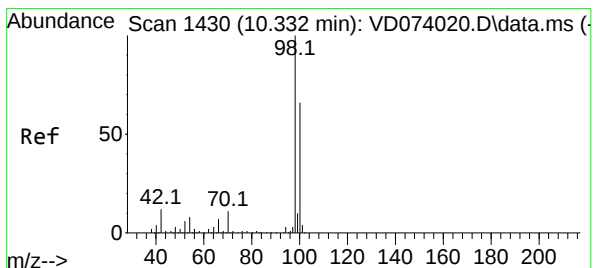
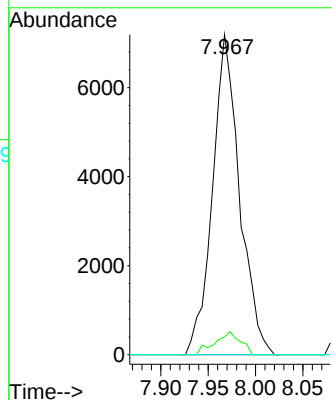
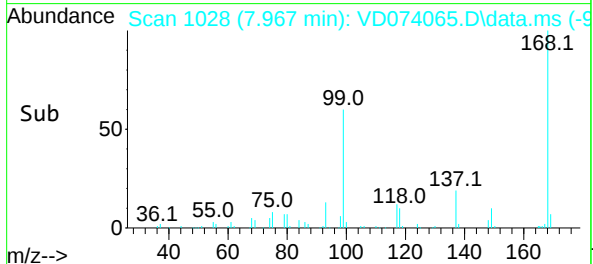


#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

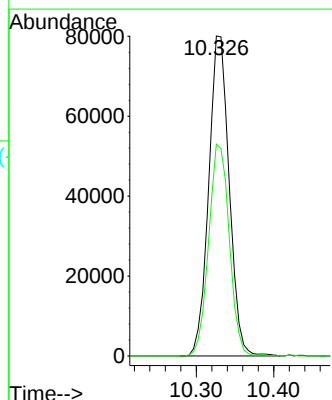
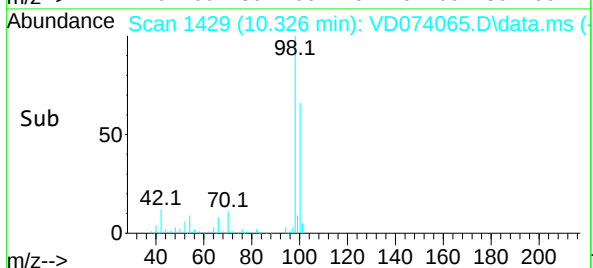
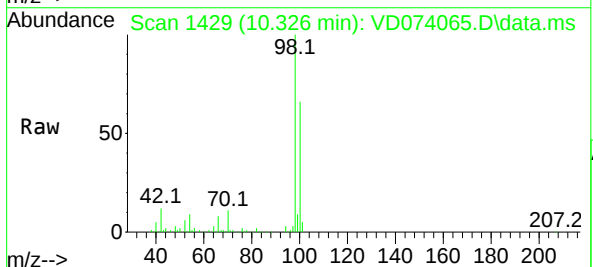


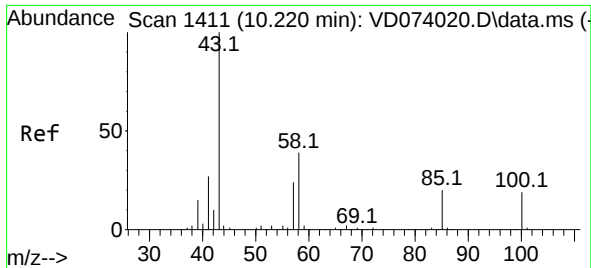
Tgt Ion:117 Resp: 14296
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 34.441 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 98 Resp: 147067
Ion Ratio Lower Upper
98 100
100 66.7 51.3 76.9

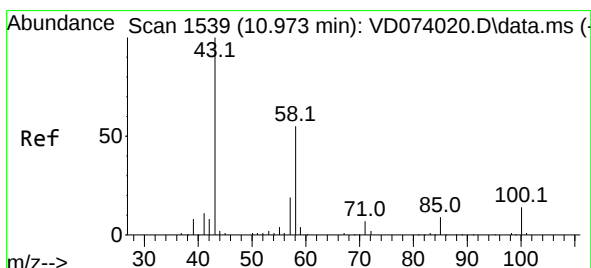
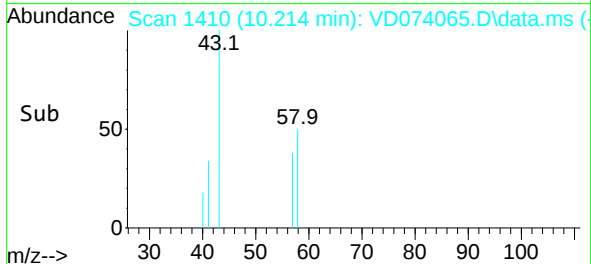
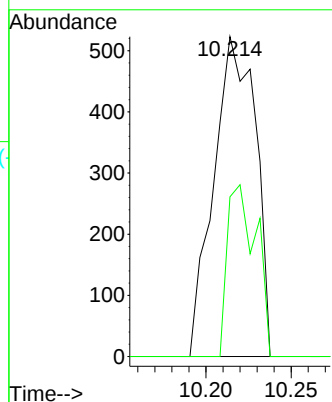
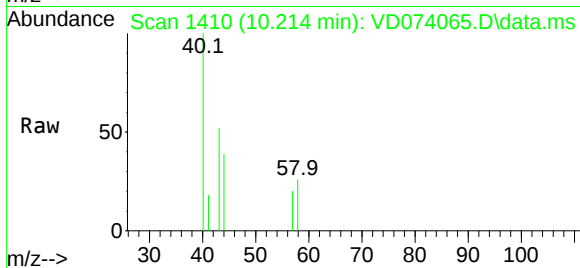




#51
4-Methyl-2-Pentanone
Concen: 1.081 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

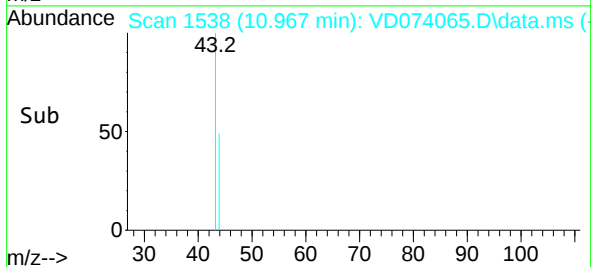
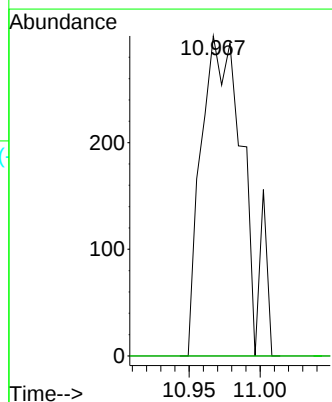
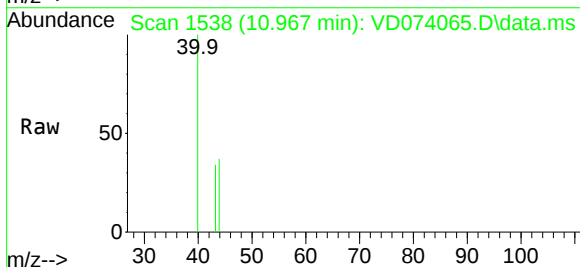
Instrument :
MSVOA_D
ClientSampleId :

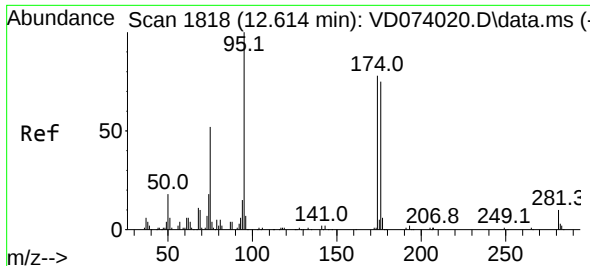
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 37.0 31.7 47.5



#59
2-Hexanone
Concen: 1.141 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

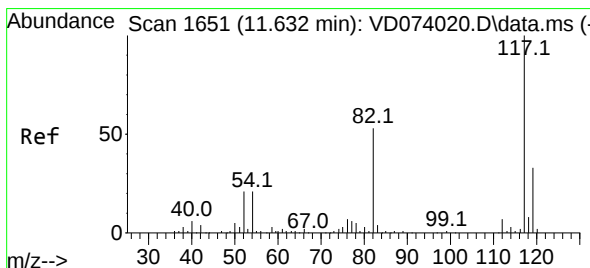
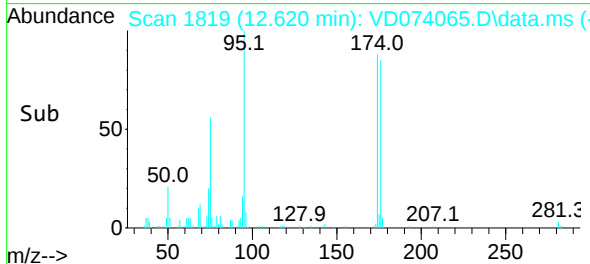
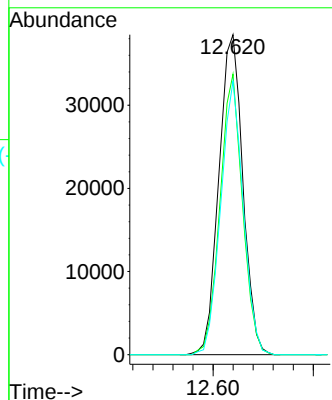
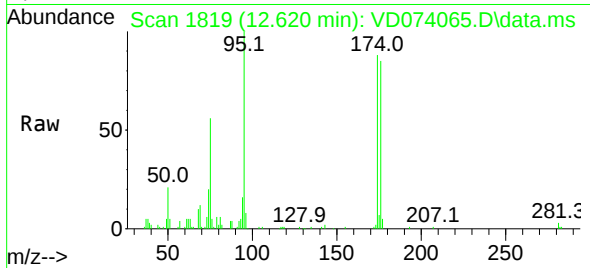




#62
4-Bromofluorobenzene
Concen: 33.410 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

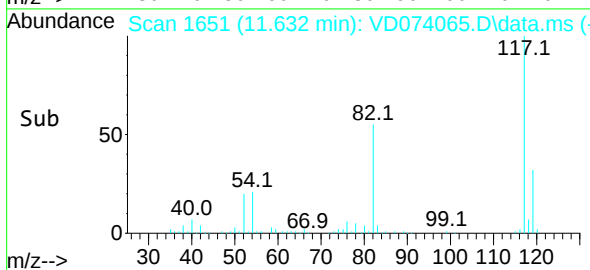
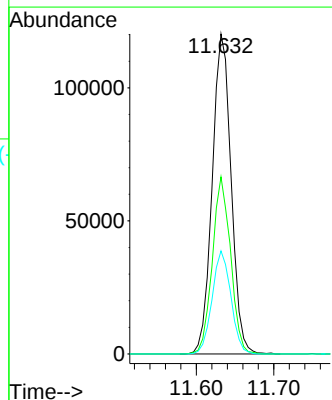
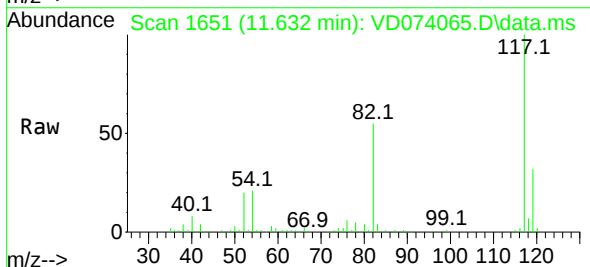
Instrument :
MSVOA_D
ClientSampleId :

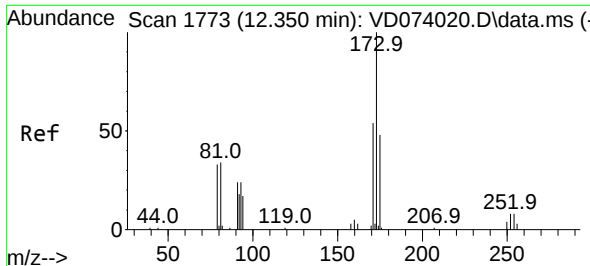
Tgt Ion: 95 Resp: 63798
Ion Ratio Lower Upper
95 100
174 82.4 0.0 162.6
176 80.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 117 Resp: 204146
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 32.2 25.8 38.8

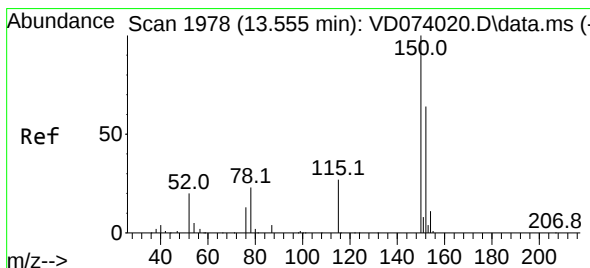
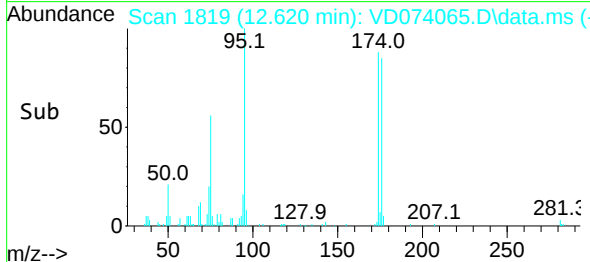
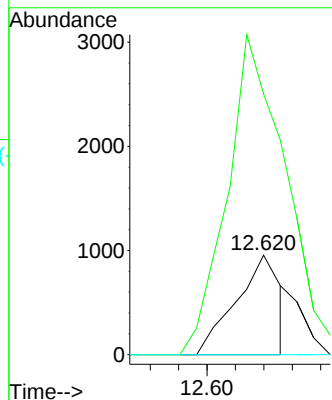
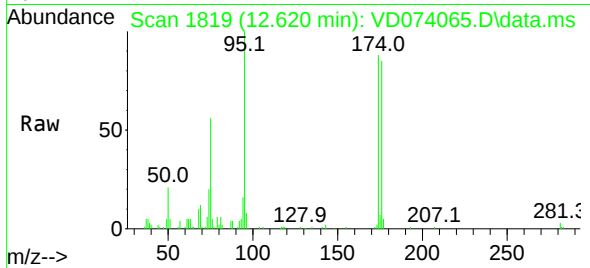




#71
Bromoform
Concen: 1.144 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

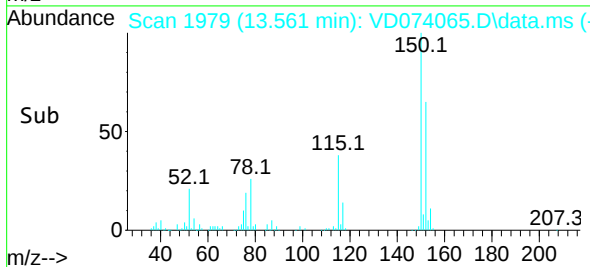
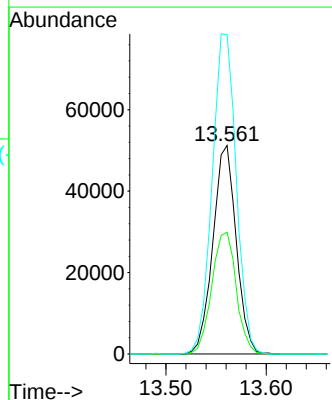
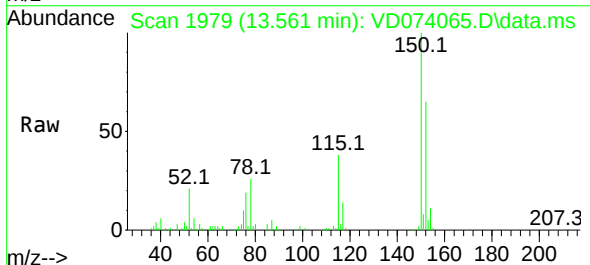
Instrument :
MSVOA_D
ClientSampleId :

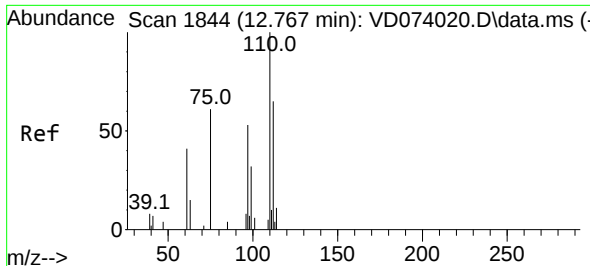
Tgt Ion:173 Resp: 1042
Ion Ratio Lower Upper
173 100
175 353.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion:152 Resp: 82714
Ion Ratio Lower Upper
152 100
115 61.0 29.9 89.8
150 158.3 0.0 342.8

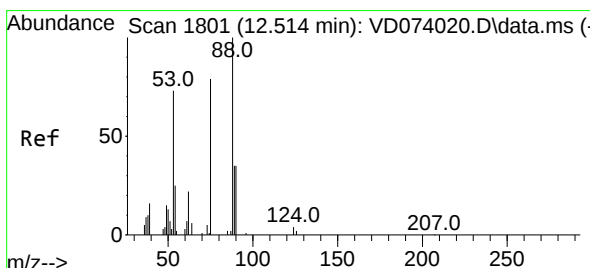
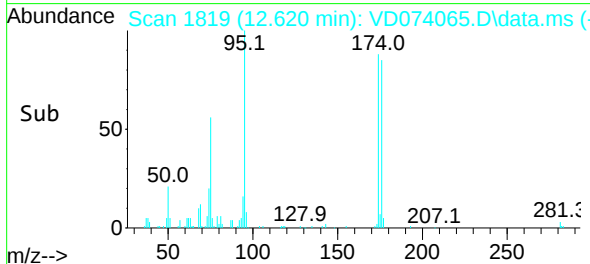
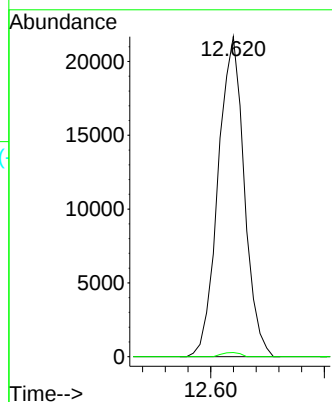
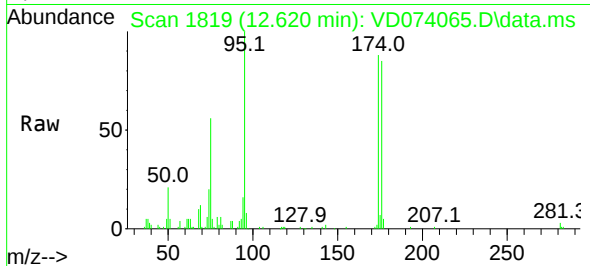




#76
1,2,3-Trichloropropane
Concen: 45.865 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34637
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.414 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074065.D
Acq: 12 Aug 2022 16:19

Tgt Ion: 75 Resp: 34637
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.2 38.3 57.5#

