

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076792.D
 Acq On : 19 Jul 2023 15:54
 Operator : KP/SY
 Sample : 03657-03
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BERGENSWITCH-COMP2

Quant Time: Jul 20 05:00:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	153561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	345762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	322126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132750	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93379	61.051	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.100%
35) Dibromofluoromethane	7.805	113	113166	52.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.160%
50) Toluene-d8	10.269	98	434642	55.918	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.840%
62) 4-Bromofluorobenzene	12.575	95	116367	46.278	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.560%

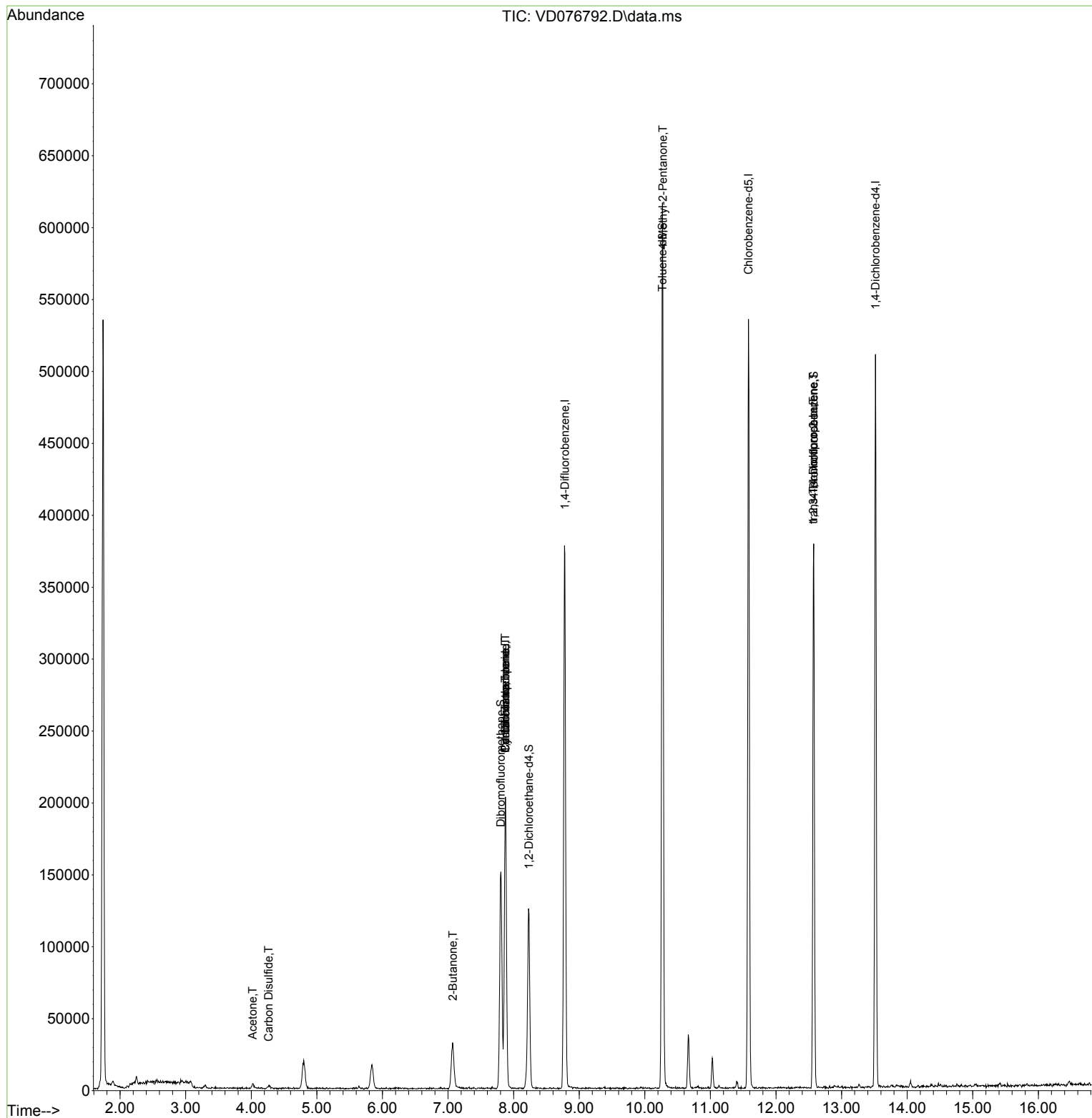
Target Compounds					Qvalue	
16) Acetone	4.022	43	4683	12.820	ug/l	93
17) Carbon Disulfide	4.264	76	3674	1.037	ug/l	# 77
20) Methylene Chloride	4.805	84	16277	Below Cal	#	91
25) 2-Butanone	7.075	43	1138	2.328	ug/l	89
31) Cyclohexane	7.875	56	3633	1.614	ug/l	# 42
36) 1,1-Dichloropropene	7.875	75	13108	4.617	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	15620	5.746	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.275	43	1750	1.326	ug/l	# 1
76) 1,2,3-Trichloropropane	12.569	75	63753	50.500	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	63753	107.477	ug/l	# 17

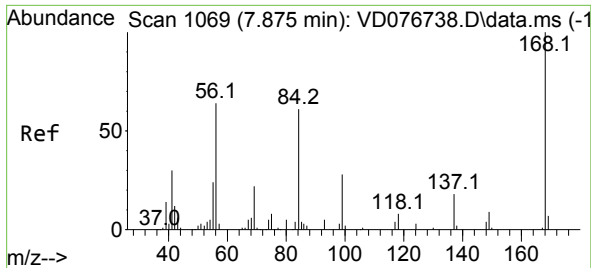
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 05:00:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

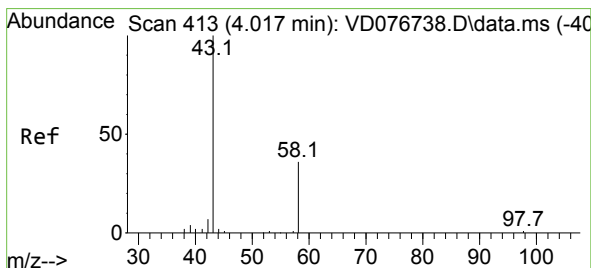
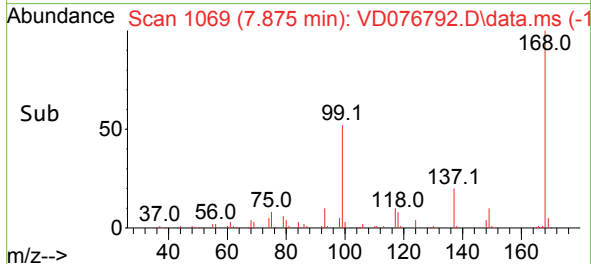
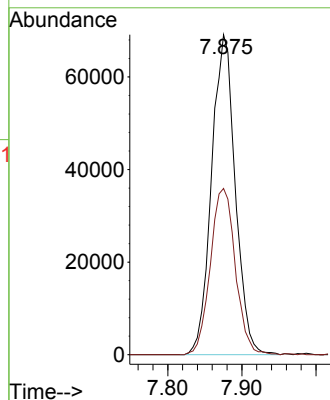
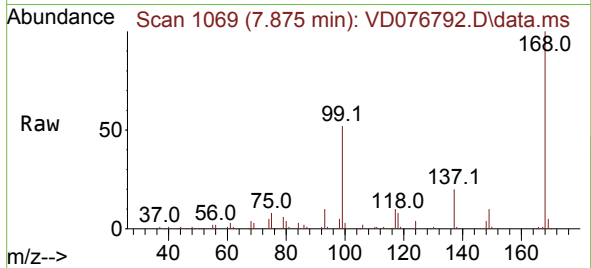




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

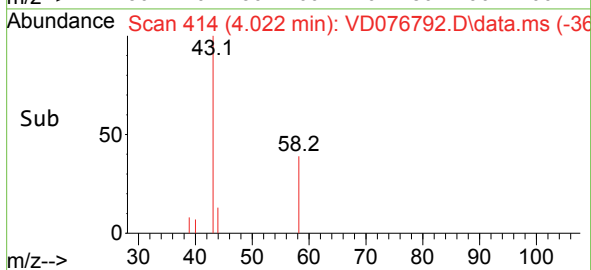
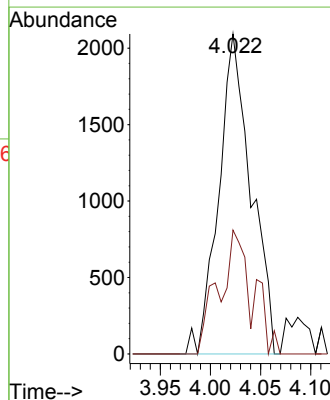
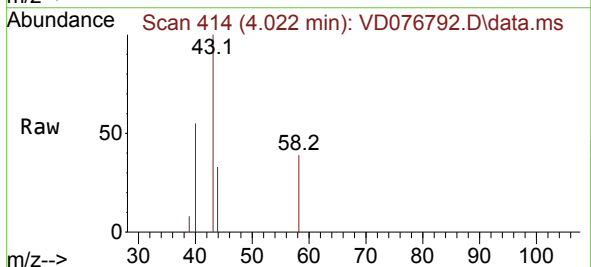
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

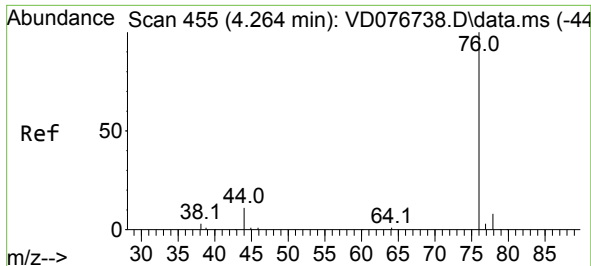
Tgt Ion:168 Resp: 153561
Ion Ratio Lower Upper
168 100
99 51.9 36.7 55.1



#16
Acetone
Concen: 12.820 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 43 Resp: 4683
Ion Ratio Lower Upper
43 100
58 38.7 34.7 52.1

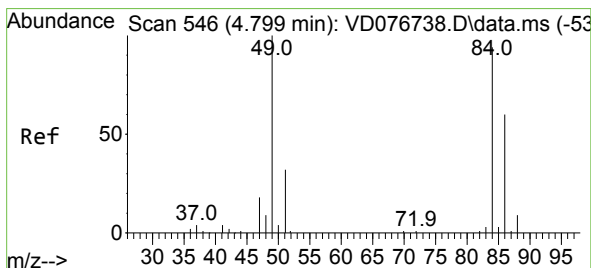
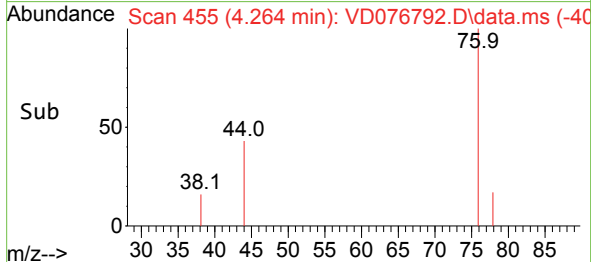
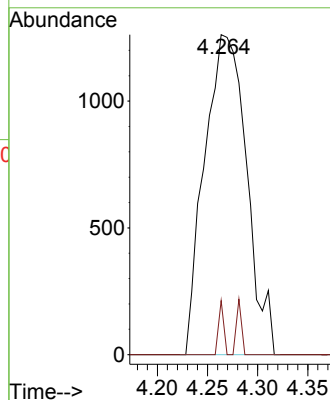
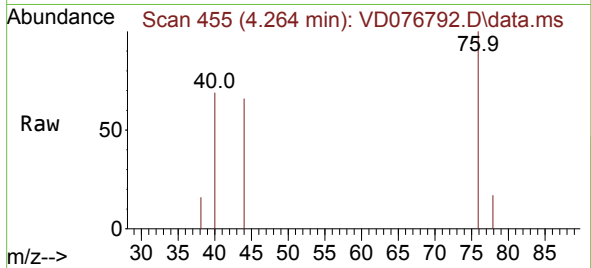




#17
Carbon Disulfide
Concen: 1.037 ug/l
RT: 4.264 min Scan# 411
Delta R.T. -0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

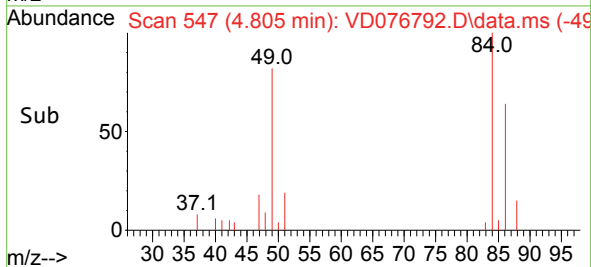
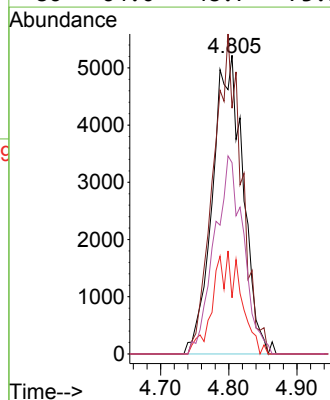
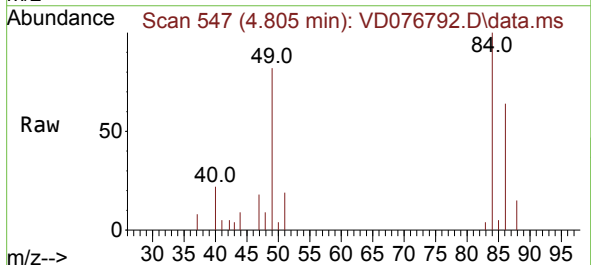
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

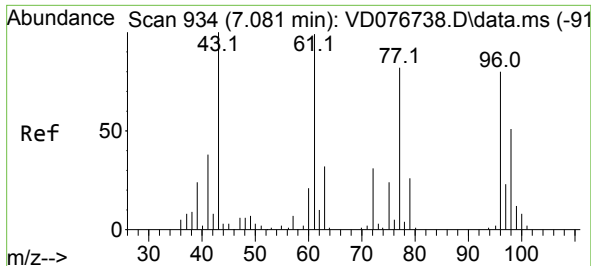
Tgt Ion: 76 Resp: 3674
Ion Ratio Lower Upper
76 100
78 16.9 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 84 Resp: 16277
Ion Ratio Lower Upper
84 100
49 82.3 71.4 107.2
51 18.8 24.5 36.7#
86 64.0 48.7 73.1

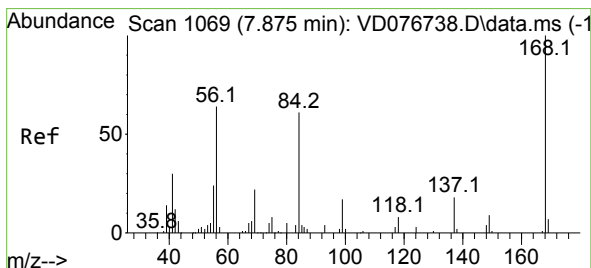
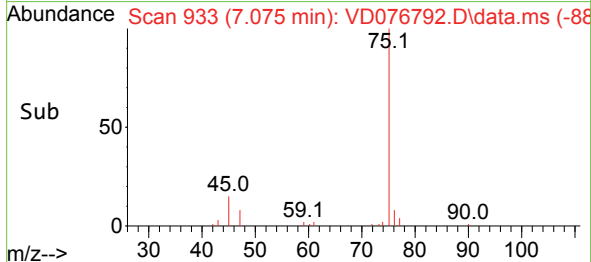
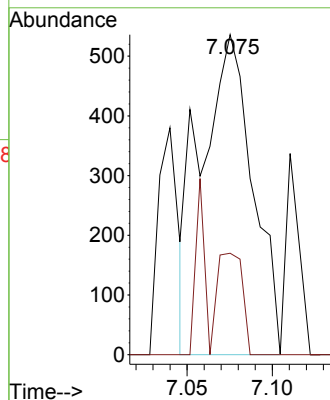
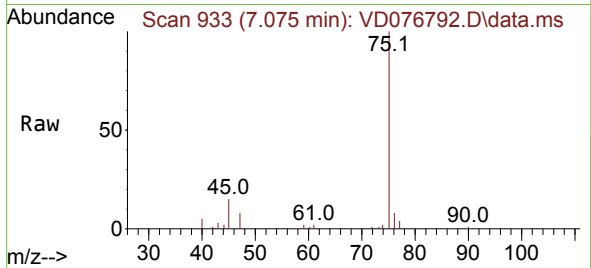




#25
2-Butanone
Concen: 2.328 ug/l
RT: 7.075 min Scan# 913
Delta R.T. -0.006 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

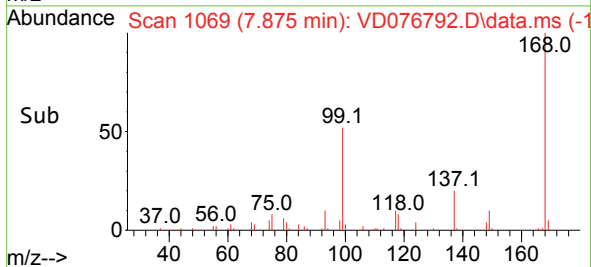
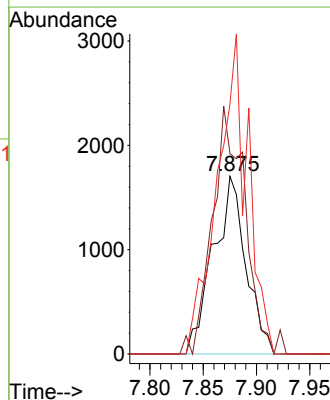
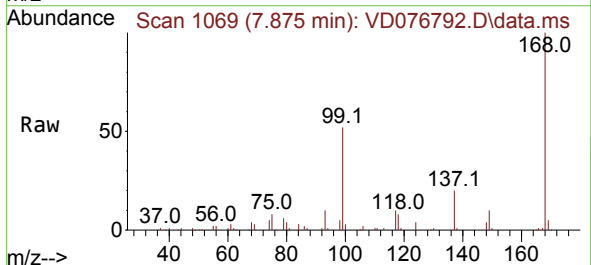
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

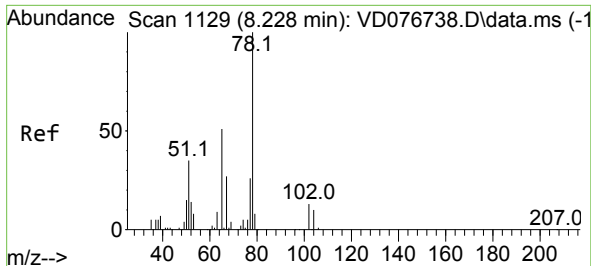
Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
72 31.7 30.7 46.1



#31
Cyclohexane
Concen: 1.614 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 56 Resp: 3633
Ion Ratio Lower Upper
56 100
69 112.8 28.6 43.0#
84 140.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 61.051 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD076792.D

Acq: 19 Jul 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :

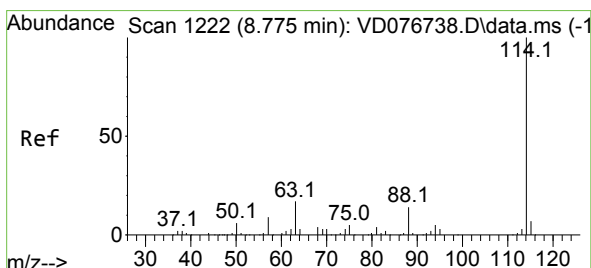
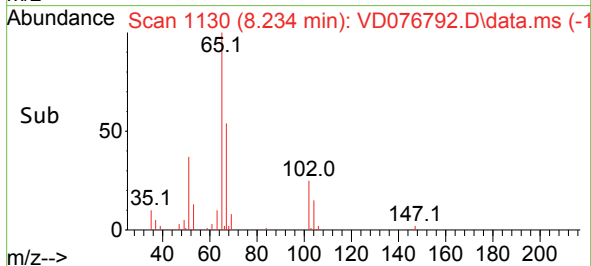
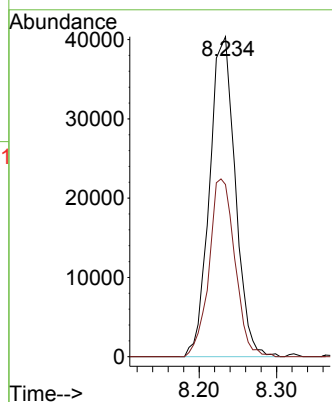
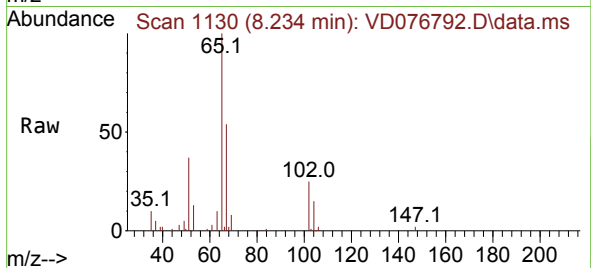
BERGENSWITCH-COMP2

Tgt Ion: 65 Resp: 93379

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076792.D

Acq: 19 Jul 2023 15:54

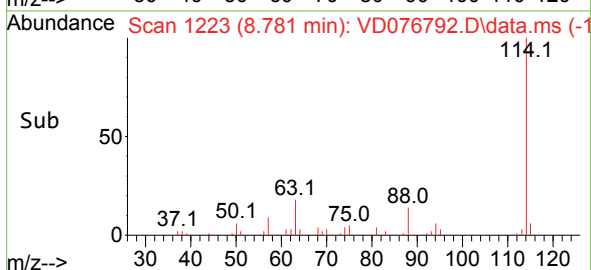
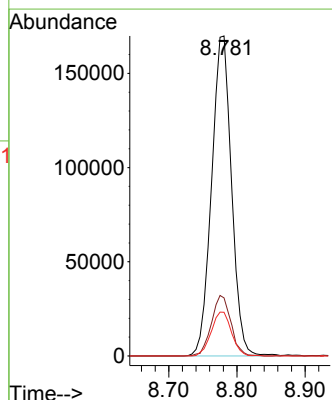
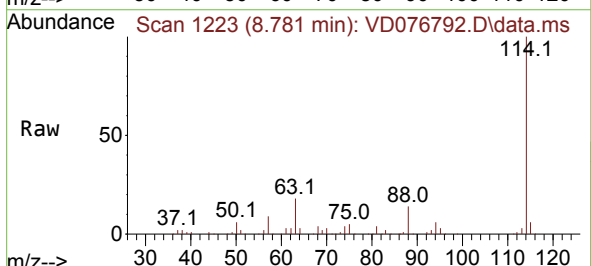
Tgt Ion: 114 Resp: 345762

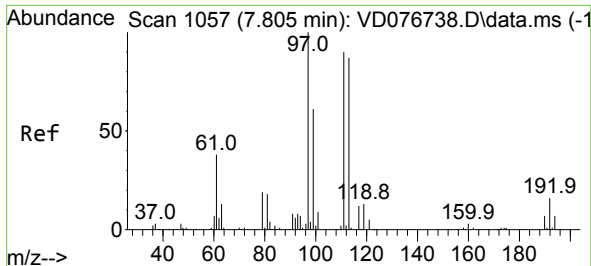
Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 13.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.083 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076792.D

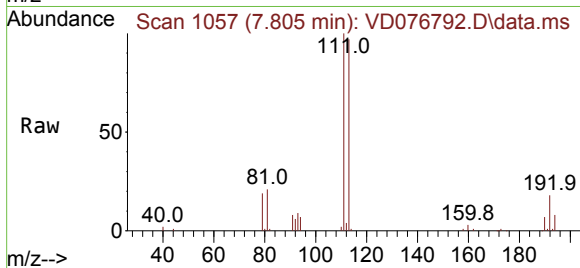
Acq: 19 Jul 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :

BERGENSWITCH-COMP2



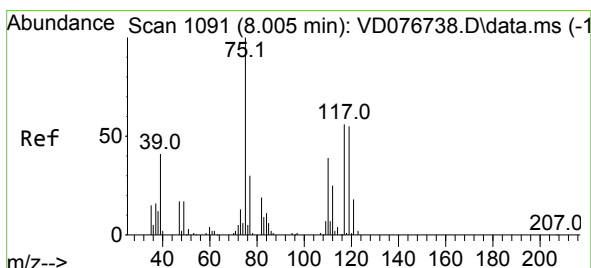
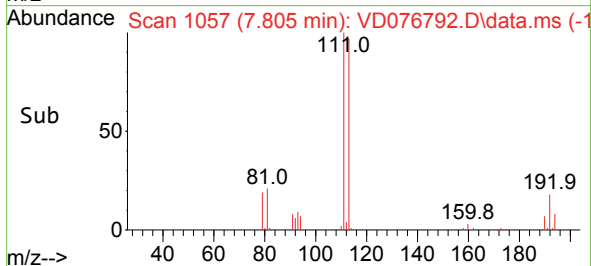
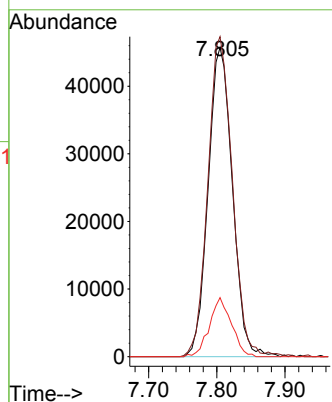
Tgt Ion:113 Resp: 113166

Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 17.4 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076792.D

Acq: 19 Jul 2023 15:54

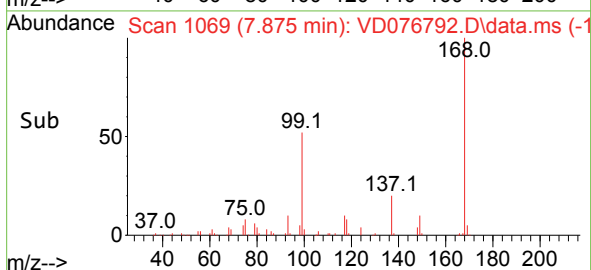
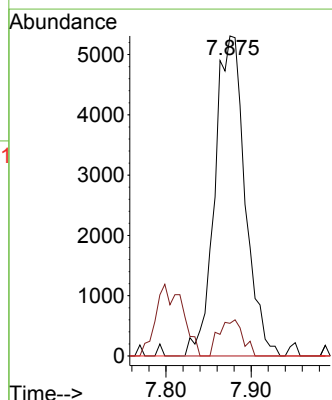
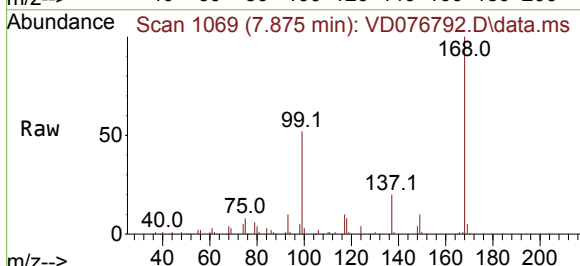
Tgt Ion: 75 Resp: 13108

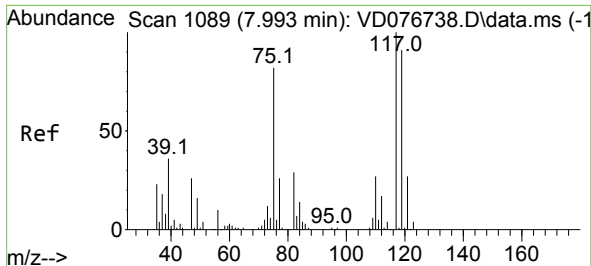
Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.6#

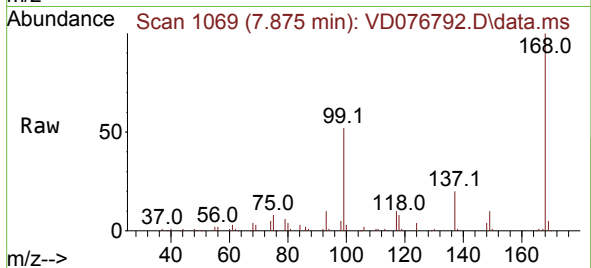
77 0.0 24.7 37.1#



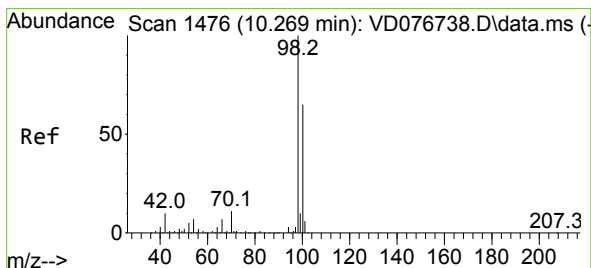
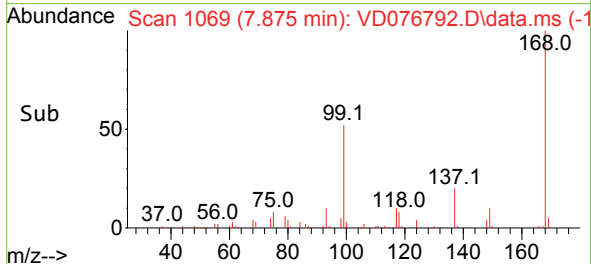
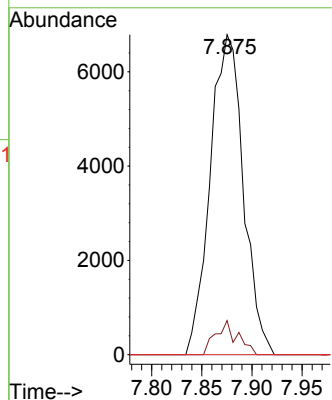


#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

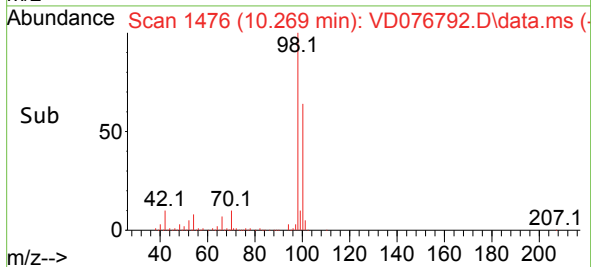
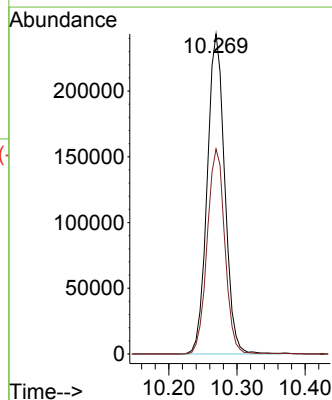
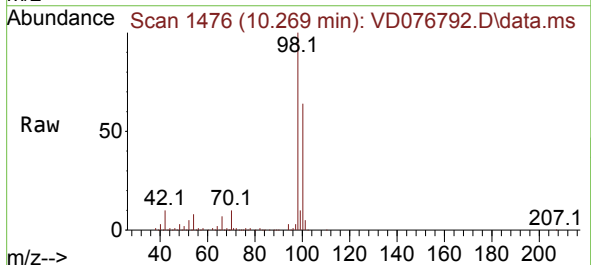


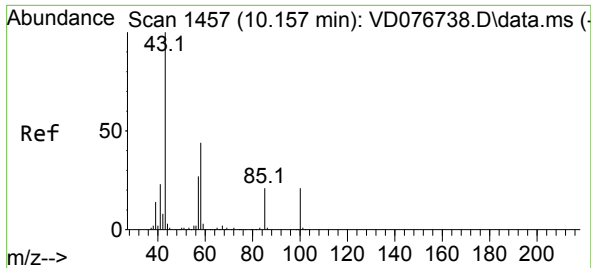
Tgt Ion:117 Resp: 15620
Ion Ratio Lower Upper
117 100
119 10.6 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.918 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 98 Resp: 434642
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

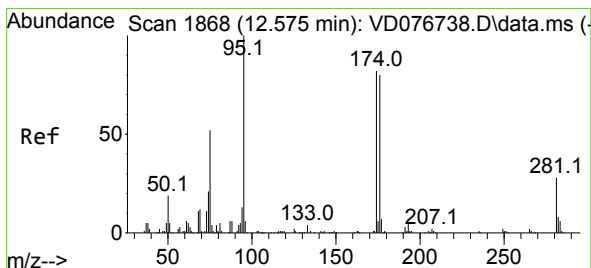
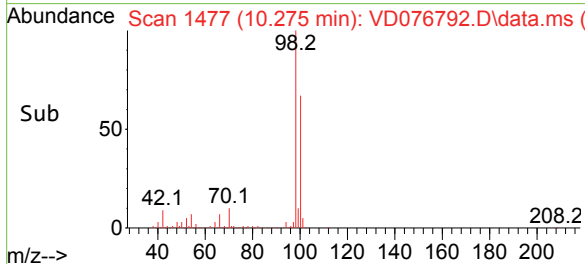
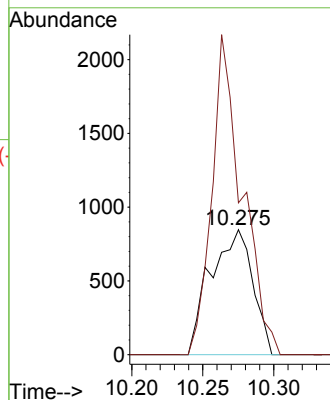
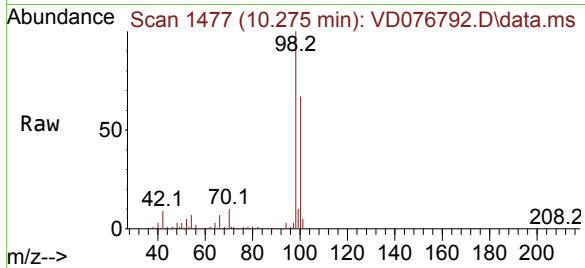




#51
4-Methyl-2-Pentanone
Concen: 1.326 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

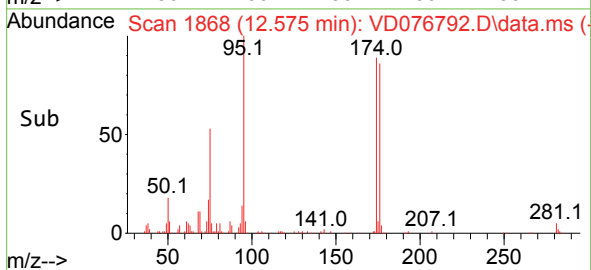
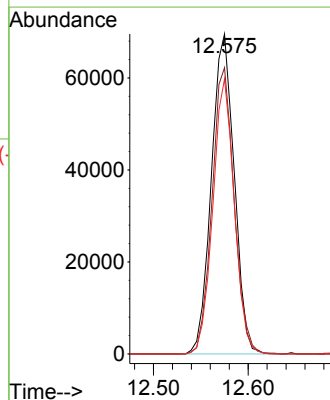
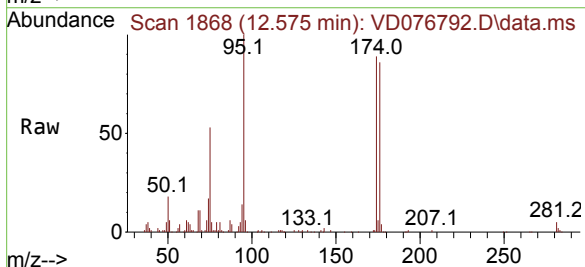
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

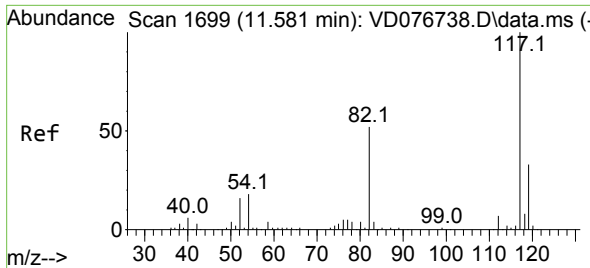
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
58 183.6 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 46.278 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 95 Resp: 116367
Ion Ratio Lower Upper
95 100
174 86.9 0.0 201.8
176 80.9 0.0 191.8

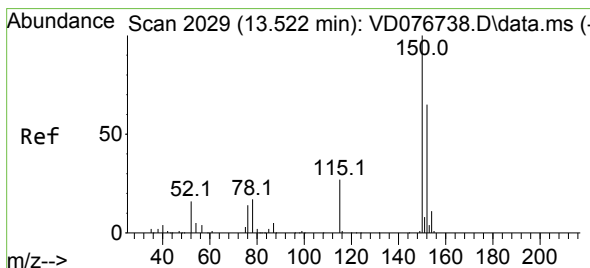
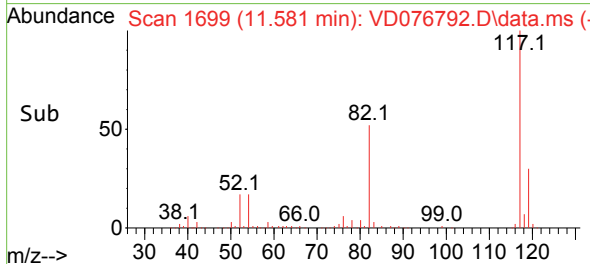
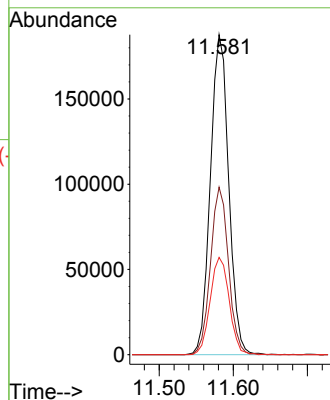
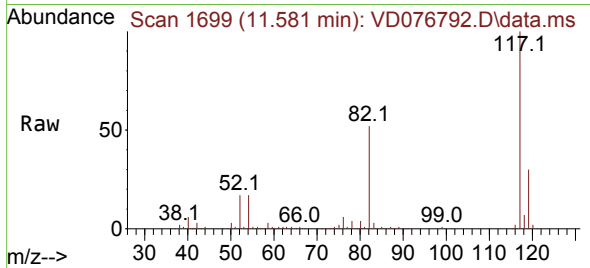




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

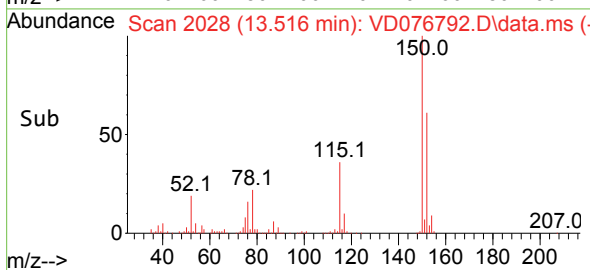
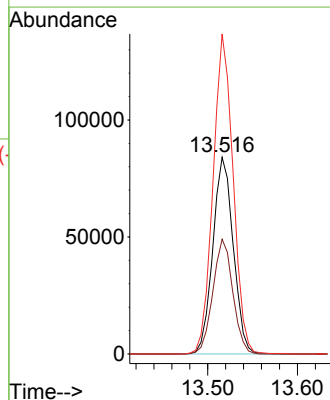
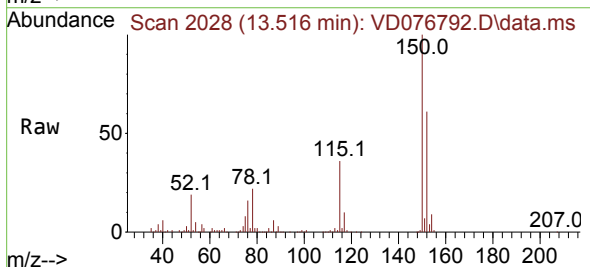
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

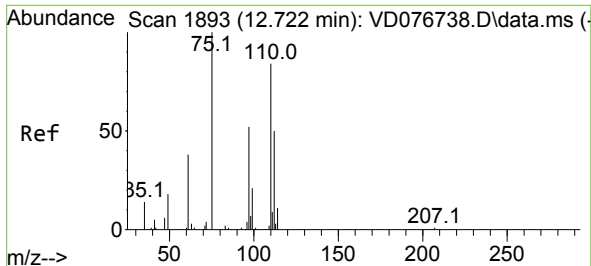
Tgt Ion:117 Resp: 322126
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 30.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion:152 Resp: 132750
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 159.8 0.0 353.6

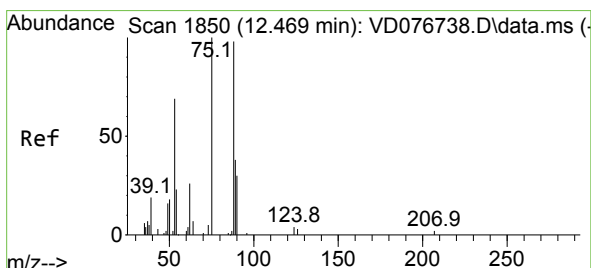
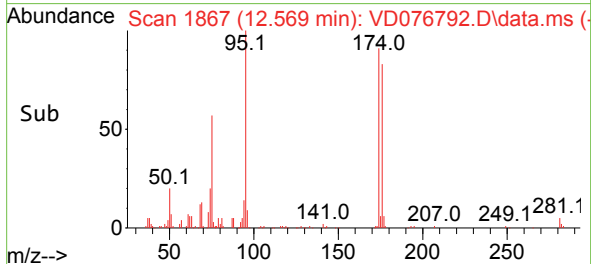
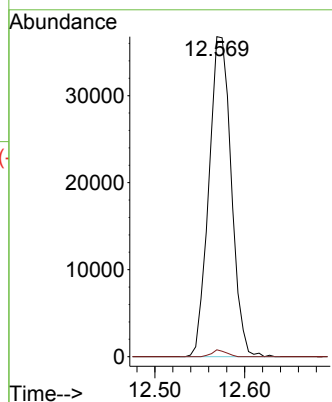
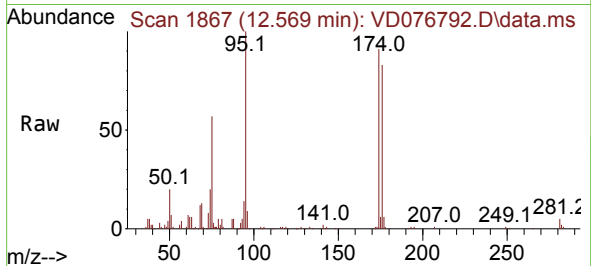




#76
1,2,3-Trichloropropane
Concen: 50.500 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP2

Tgt Ion: 75 Resp: 63753
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.477 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076792.D
Acq: 19 Jul 2023 15:54

Tgt Ion: 75 Resp: 63753
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

