

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076499.D
 Acq On : 20 Jun 2023 18:48
 Operator : KP/SY
 Sample : 03316-01
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-4-061623

Quant Time: Jun 21 06:49:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

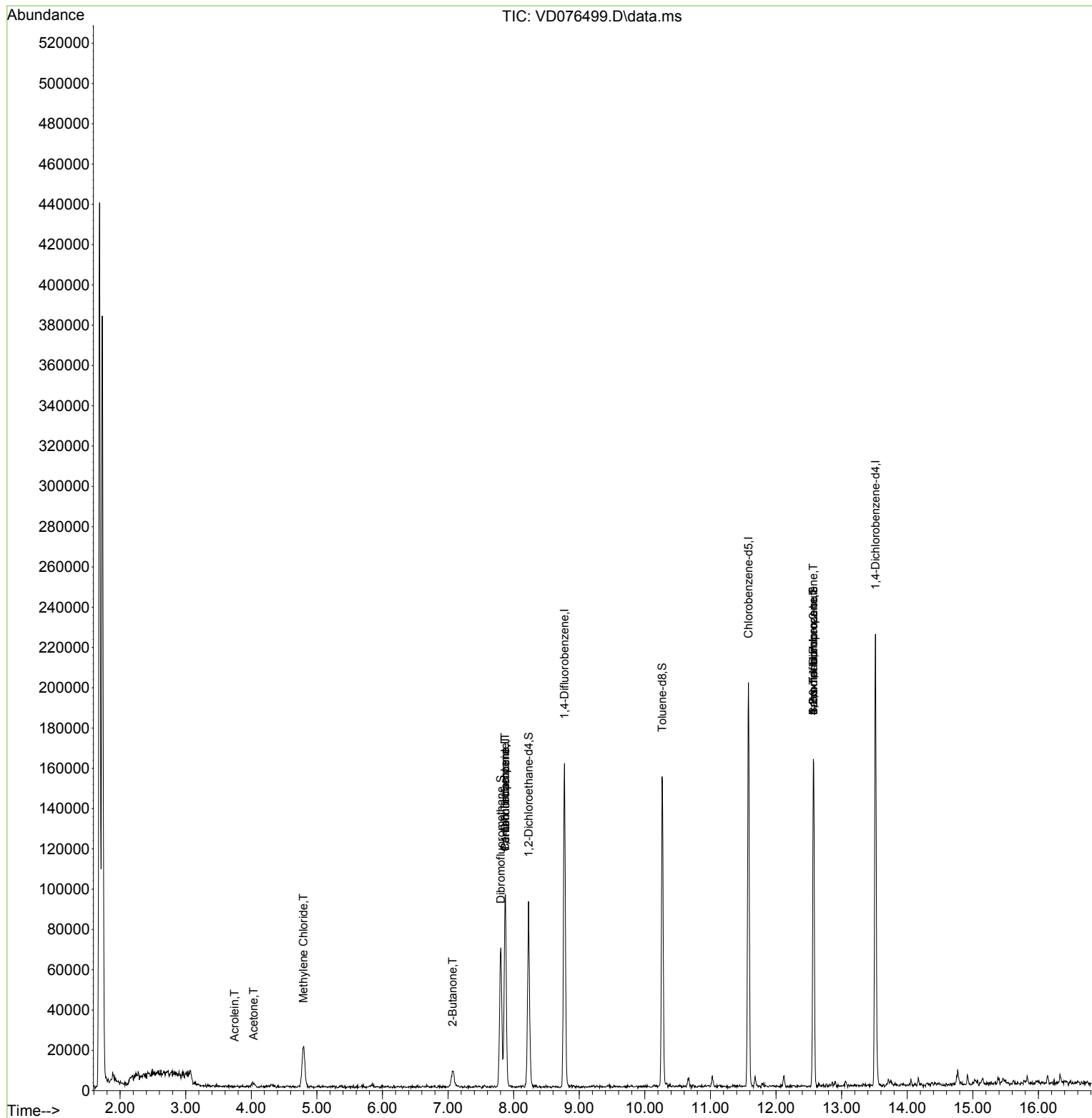
Internal Standards						
1) Pentafluorobenzene	7.875	168	74682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	137805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	115395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	57281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60768	81.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.420%	
35) Dibromofluoromethane	7.805	113	48168	58.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.680%	
50) Toluene-d8	10.263	98	104425	33.634	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 67.260%	
62) 4-Bromofluorobenzene	12.569	95	50778	50.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
13) Acrolein	3.746	56	86	1.236	ug/l #	15
16) Acetone	4.034	43	3456	19.410	ug/l	87
20) Methylene Chloride	4.793	84	14443	7.937	ug/l #	77
25) 2-Butanone	7.069	43	550	1.997	ug/l #	37
28) Bromochloromethane	7.463	49	67	Below Cal	#	1
31) Cyclohexane	7.881	56	1058	Below Cal	#	55
36) 1,1-Dichloropropene	7.869	75	5730	4.998	ug/l #	47
38) Carbon Tetrachloride	7.869	117	7258	7.083	ug/l #	16
71) Bromoform	12.569	173	553	1.175	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	27627	48.596	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	27627	106.486	ug/l #	17

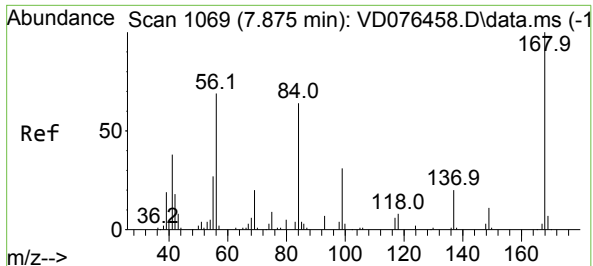
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-4-061623

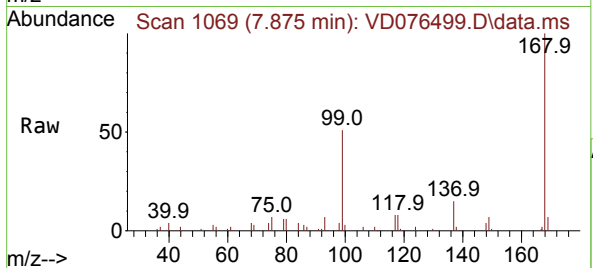
Quant Time: Jun 21 06:49:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



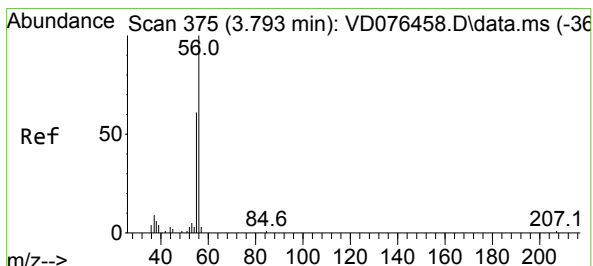
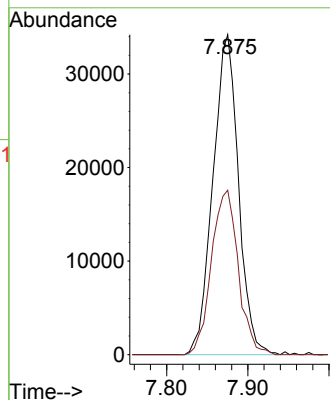
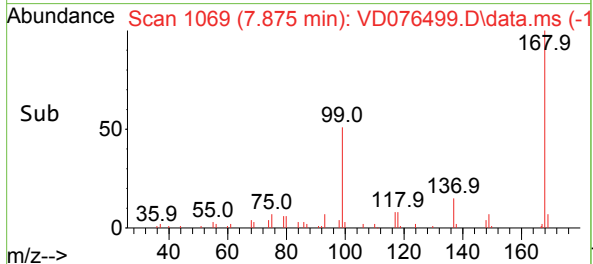


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Instrument :
MSVOA_D
ClientSampleId :
SU-4-061623

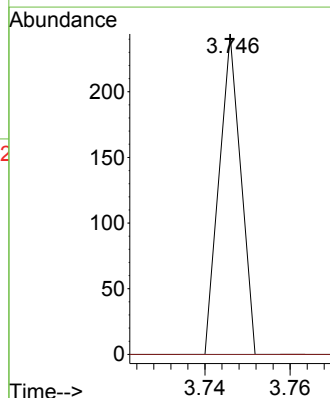
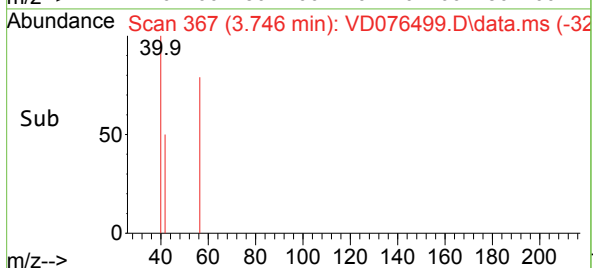
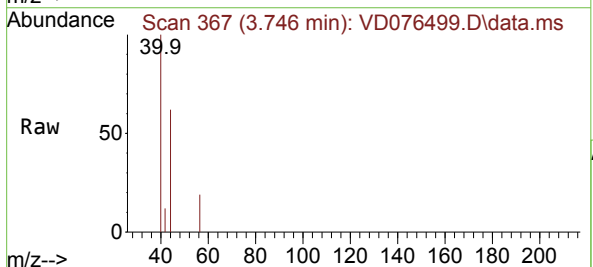


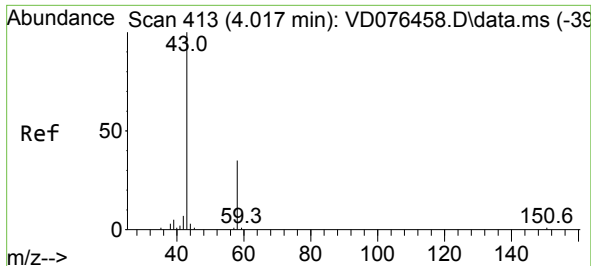
Tgt Ion:168 Resp: 74682
Ion Ratio Lower Upper
168 100
99 51.4 36.7 55.1



#13
Acrolein
Concen: 1.236 ug/l
RT: 3.746 min Scan# 367
Delta R.T. -0.047 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 19.410 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.018 min

Lab File: VD076499.D

Acq: 20 Jun 2023 18:48

Instrument :

MSVOA_D

ClientSampleId :

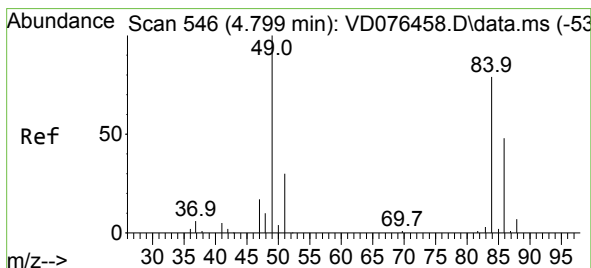
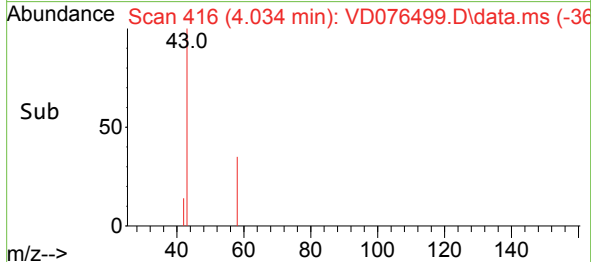
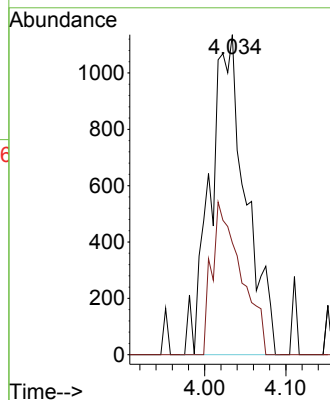
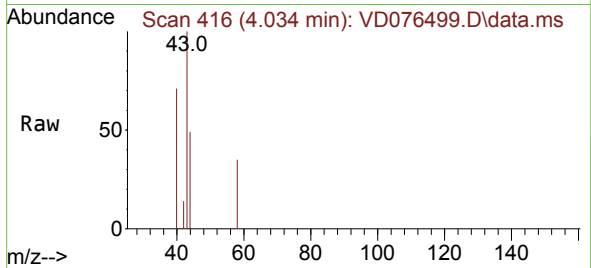
SU-4-061623

Tgt Ion: 43 Resp: 3456

Ion Ratio Lower Upper

43 100

58 34.9 34.7 52.1



#20

Methylene Chloride

Concen: 7.937 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076499.D

Acq: 20 Jun 2023 18:48

Tgt Ion: 84 Resp: 14443

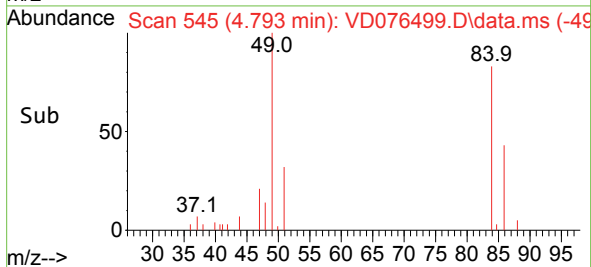
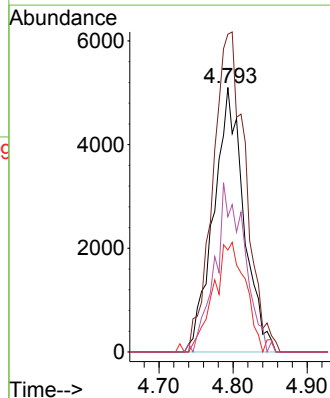
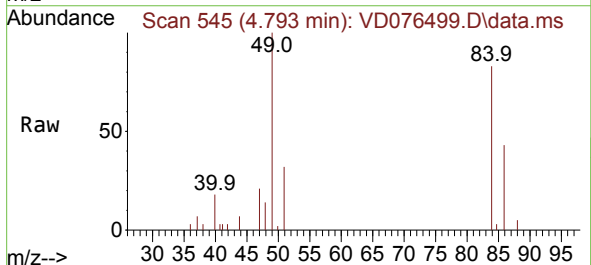
Ion Ratio Lower Upper

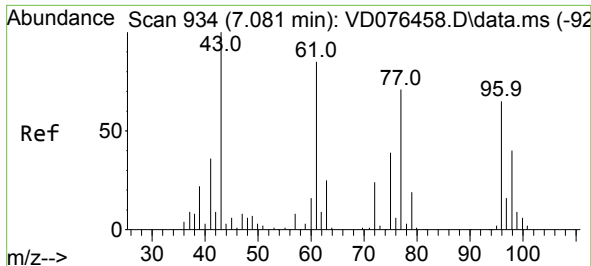
84 100

49 120.1 71.4 107.2#

51 38.5 24.5 36.7#

86 51.2 48.7 73.1

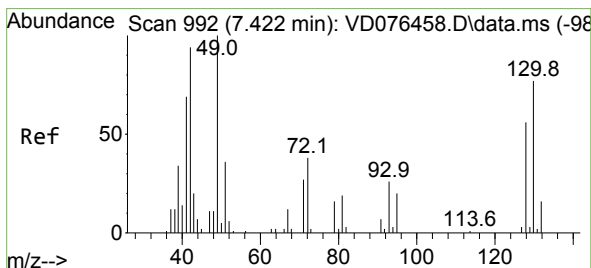
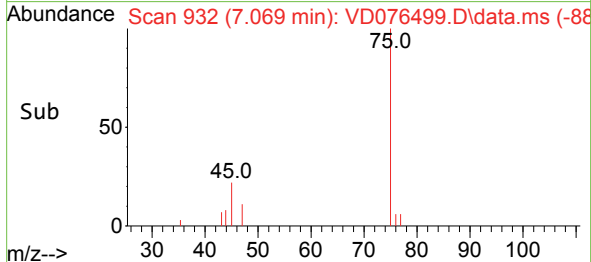
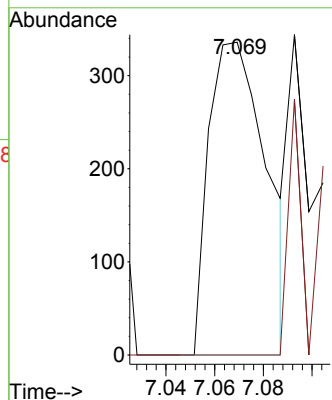
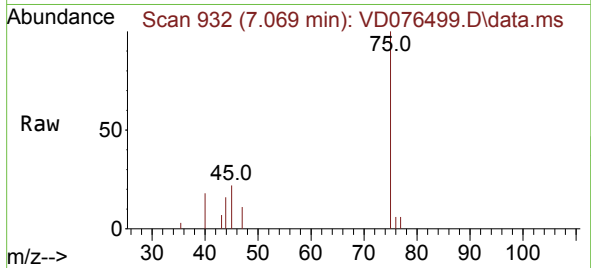




#25
2-Butanone
Concen: 1.997 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

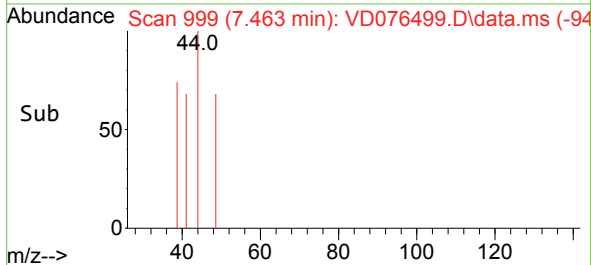
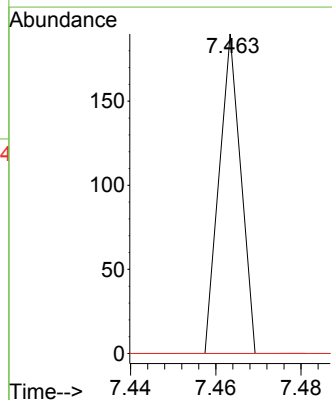
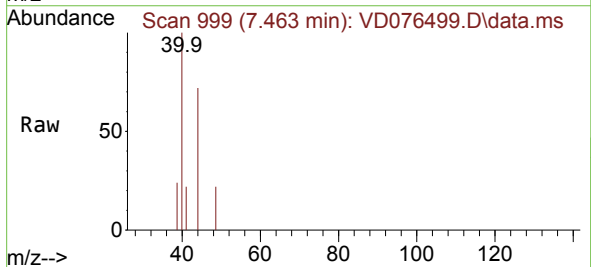
Instrument :
MSVOA_D
ClientSampleId :
SU-4-061623

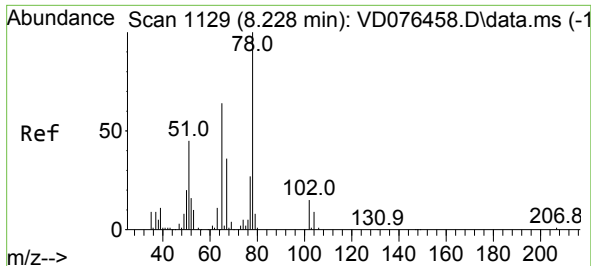
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.463 min Scan# 999
Delta R.T. 0.041 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion: 49 Resp: 67
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 81.214 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076499.D

Acq: 20 Jun 2023 18:48

Instrument :

MSVOA_D

ClientSampleId :

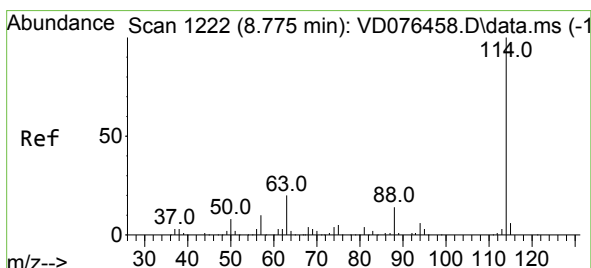
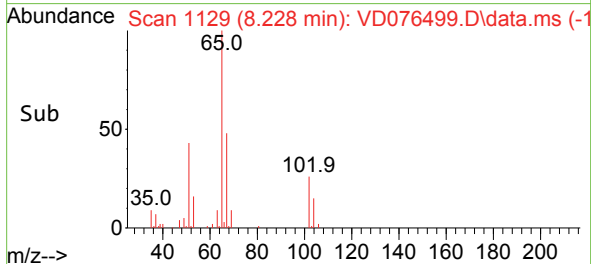
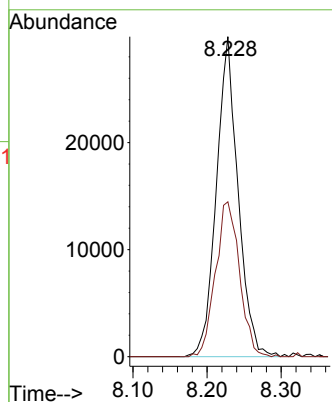
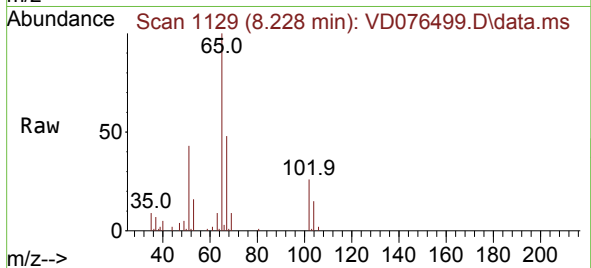
SU-4-061623

Tgt Ion: 65 Resp: 60768

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076499.D

Acq: 20 Jun 2023 18:48

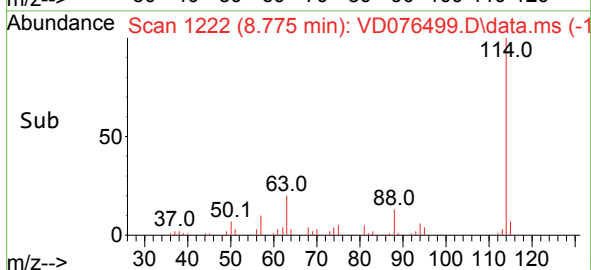
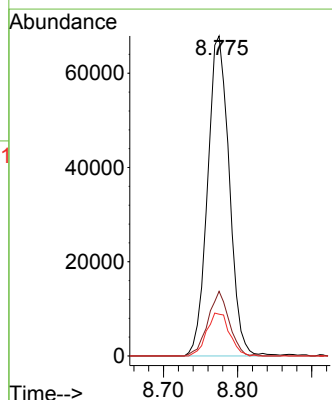
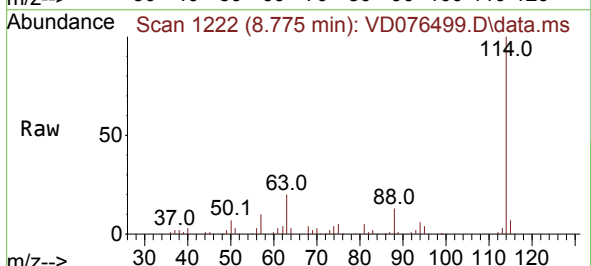
Tgt Ion: 114 Resp: 137805

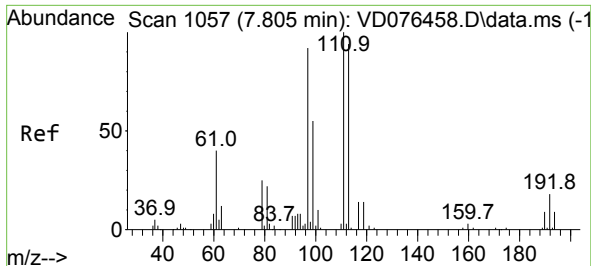
Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 13.1 0.0 26.2

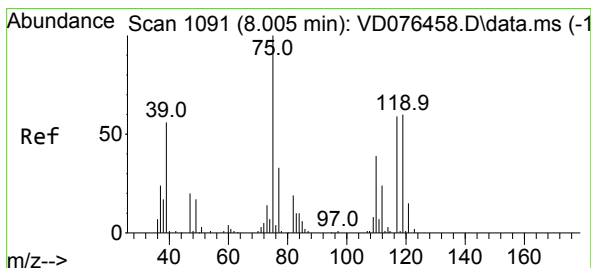
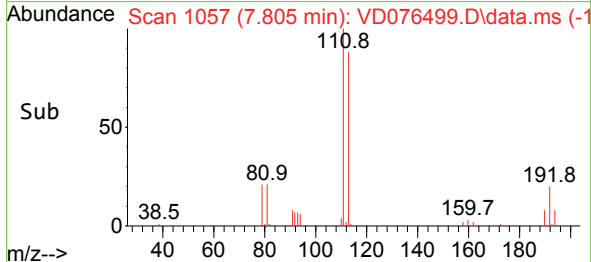
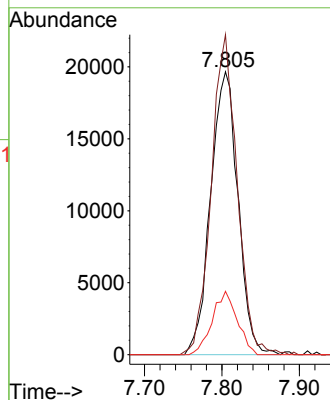
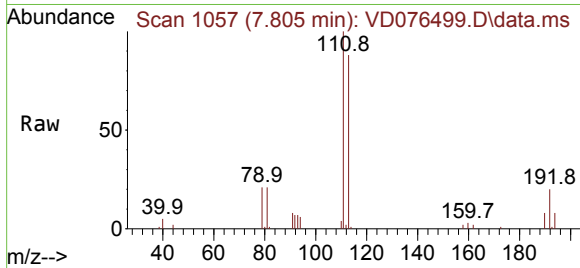




#35
Dibromofluoromethane
Concen: 58.838 ug/l
RT: 7.805 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

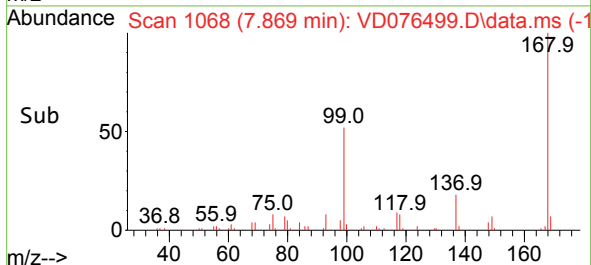
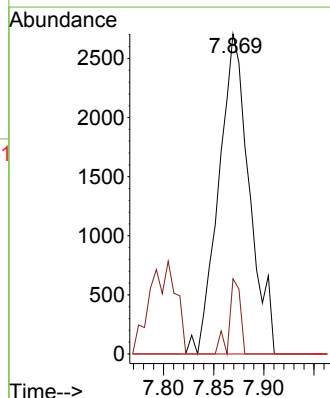
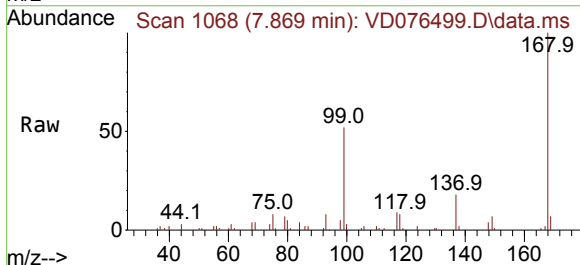
Instrument :
MSVOA_D
ClientSampleId :
SU-4-061623

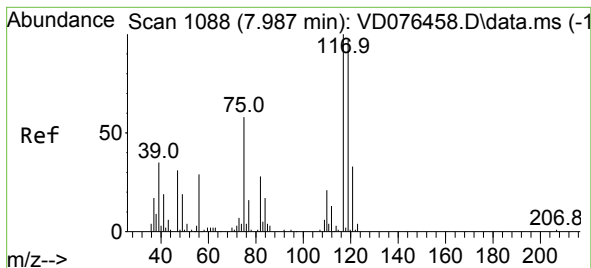
Tgt Ion:113 Resp: 48168
Ion Ratio Lower Upper
113 100
111 107.3 84.7 127.1
192 20.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion: 75 Resp: 5730
Ion Ratio Lower Upper
75 100
110 8.5 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.083 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076499.D

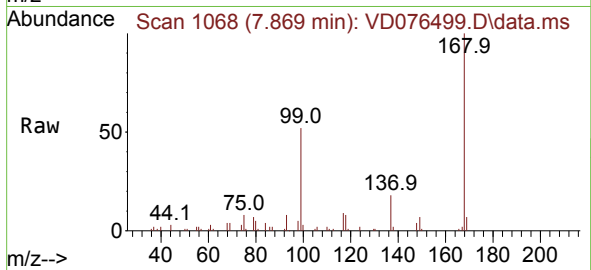
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Instrument :

MSVOA_D

ClientSampleId :

SU-4-061623



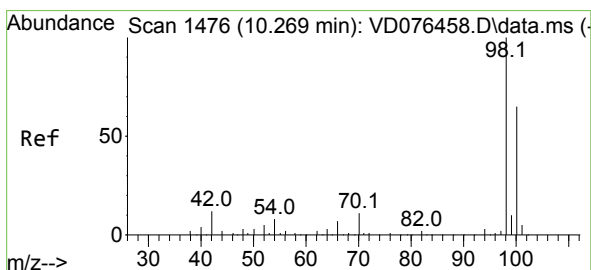
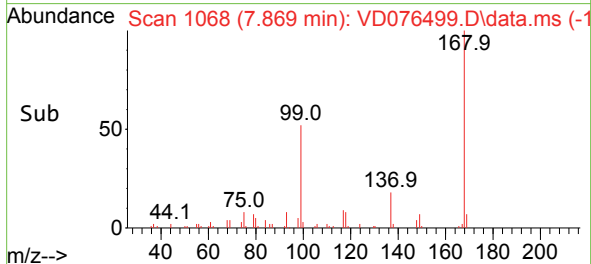
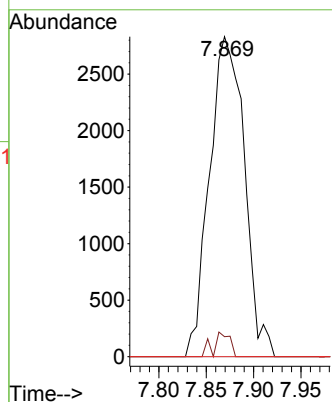
Tgt Ion:117 Resp: 7258

Ion Ratio Lower Upper

117 100

119 6.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 33.634 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD076499.D

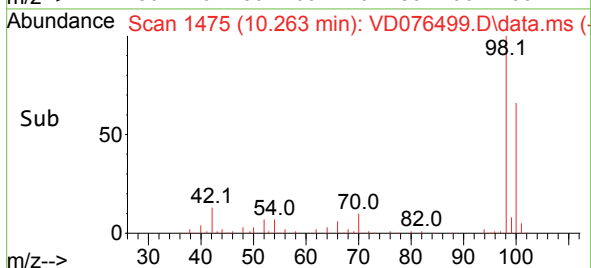
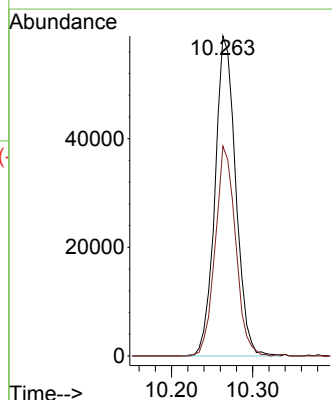
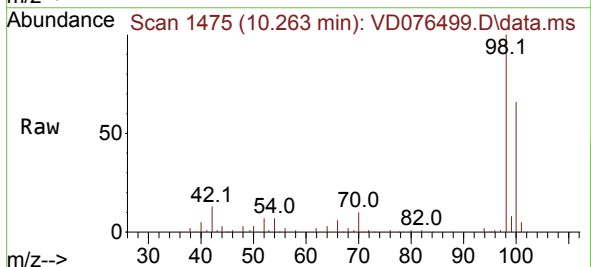
Acq: 20 Jun 2023 18:48

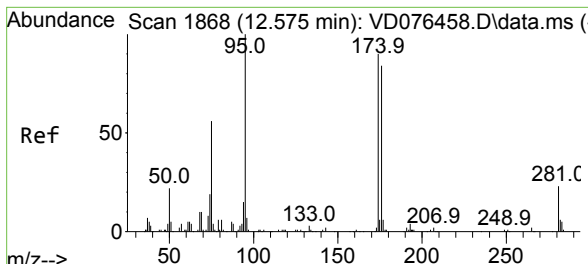
Tgt Ion: 98 Resp: 104425

Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5

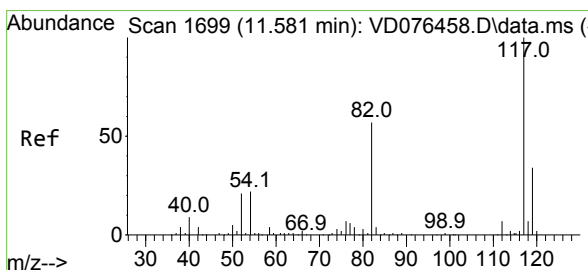
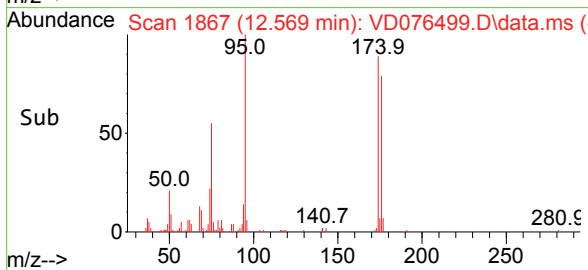
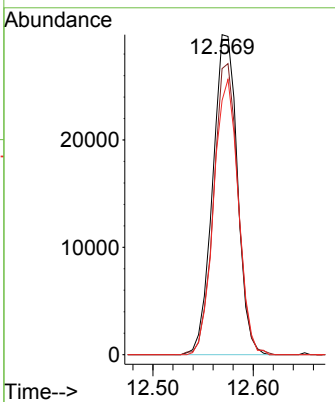
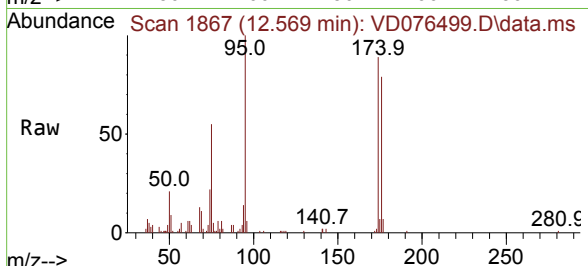




#62
4-Bromofluorobenzene
Concen: 50.394 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

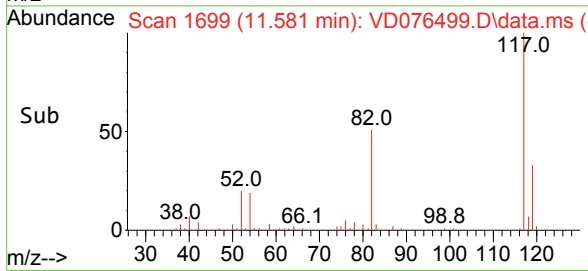
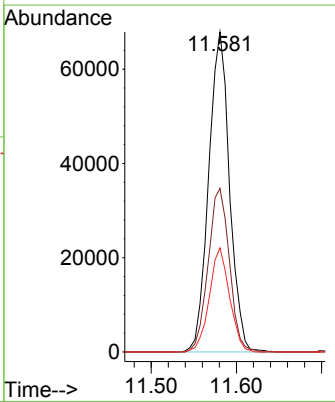
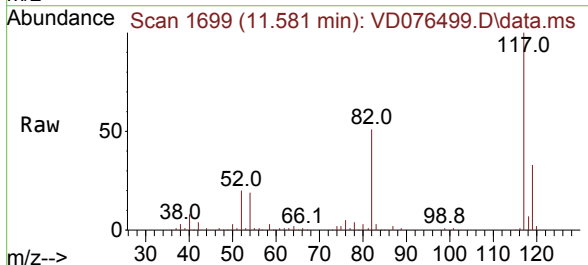
Instrument :
MSVOA_D
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SU-4-061623

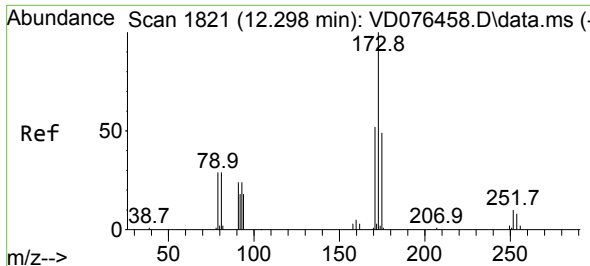
Tgt Ion:	95	Resp:	50778
Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	201.8
176	85.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion:	117	Resp:	115395
Ion	Ratio	Lower	Upper
117	100		
82	51.1	38.3	57.5
119	32.5	25.0	37.4

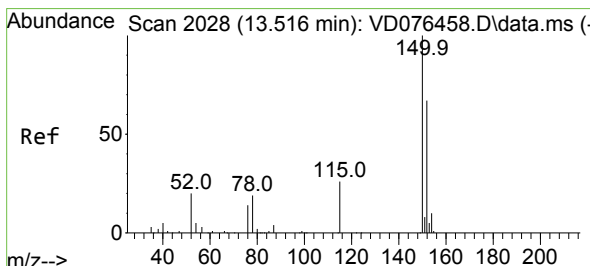
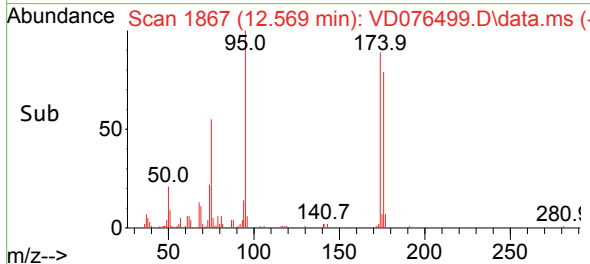
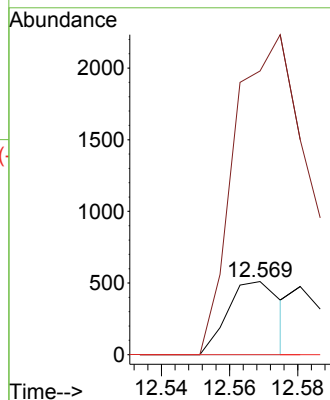
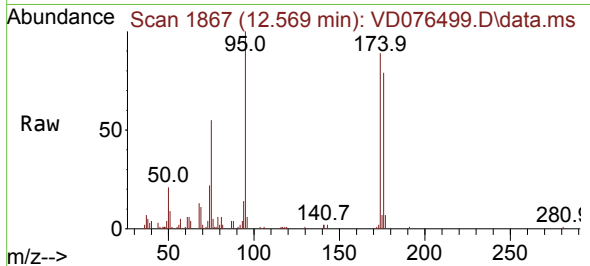




#71
Bromoform
Concen: 1.175 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.270 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

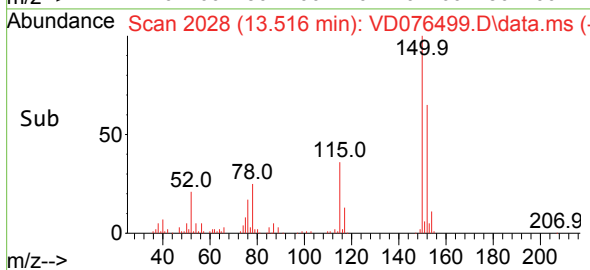
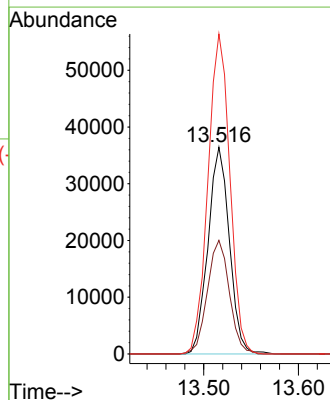
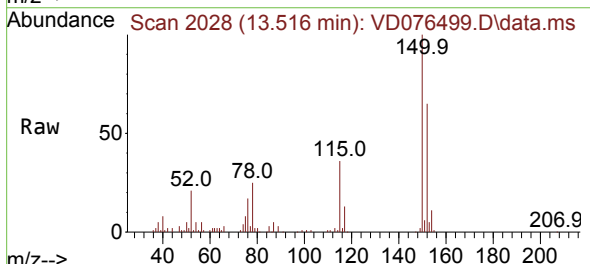
Instrument :
MSVOA_D
ClientSampleId :
SU-4-061623

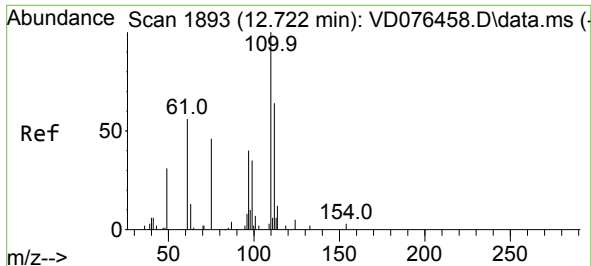
Tgt Ion:173 Resp: 553
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion:152 Resp: 57281
Ion Ratio Lower Upper
152 100
115 56.6 27.1 81.3
150 158.2 0.0 353.6

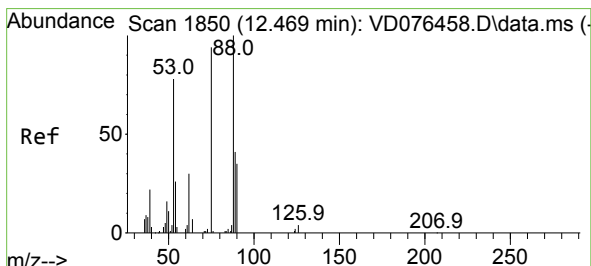
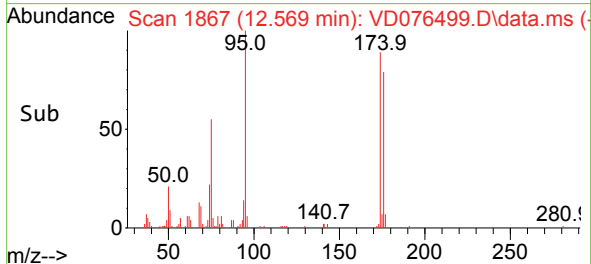
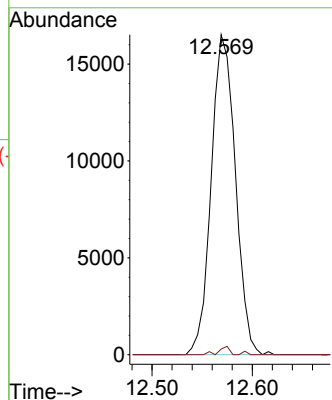
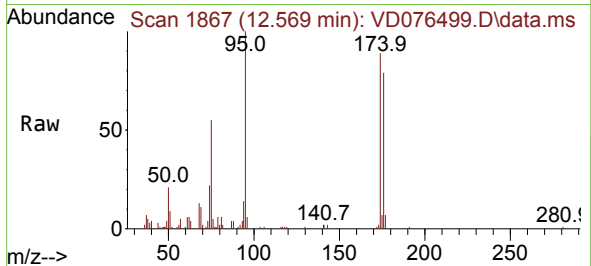




#76
1,2,3-Trichloropropane
Concen: 48.596 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Instrument :
MSVOA_D
ClientSampleId :
SU-4-061623

Tgt Ion: 75 Resp: 27627
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.486 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076499.D
Acq: 20 Jun 2023 18:48

Tgt Ion: 75 Resp: 27627
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

