

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076489.D
 Acq On : 20 Jun 2023 13:46
 Operator : KP/SY
 Sample : 03289-05
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-12.0-14.0RE

Quant Time: Jun 21 06:45:56 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)

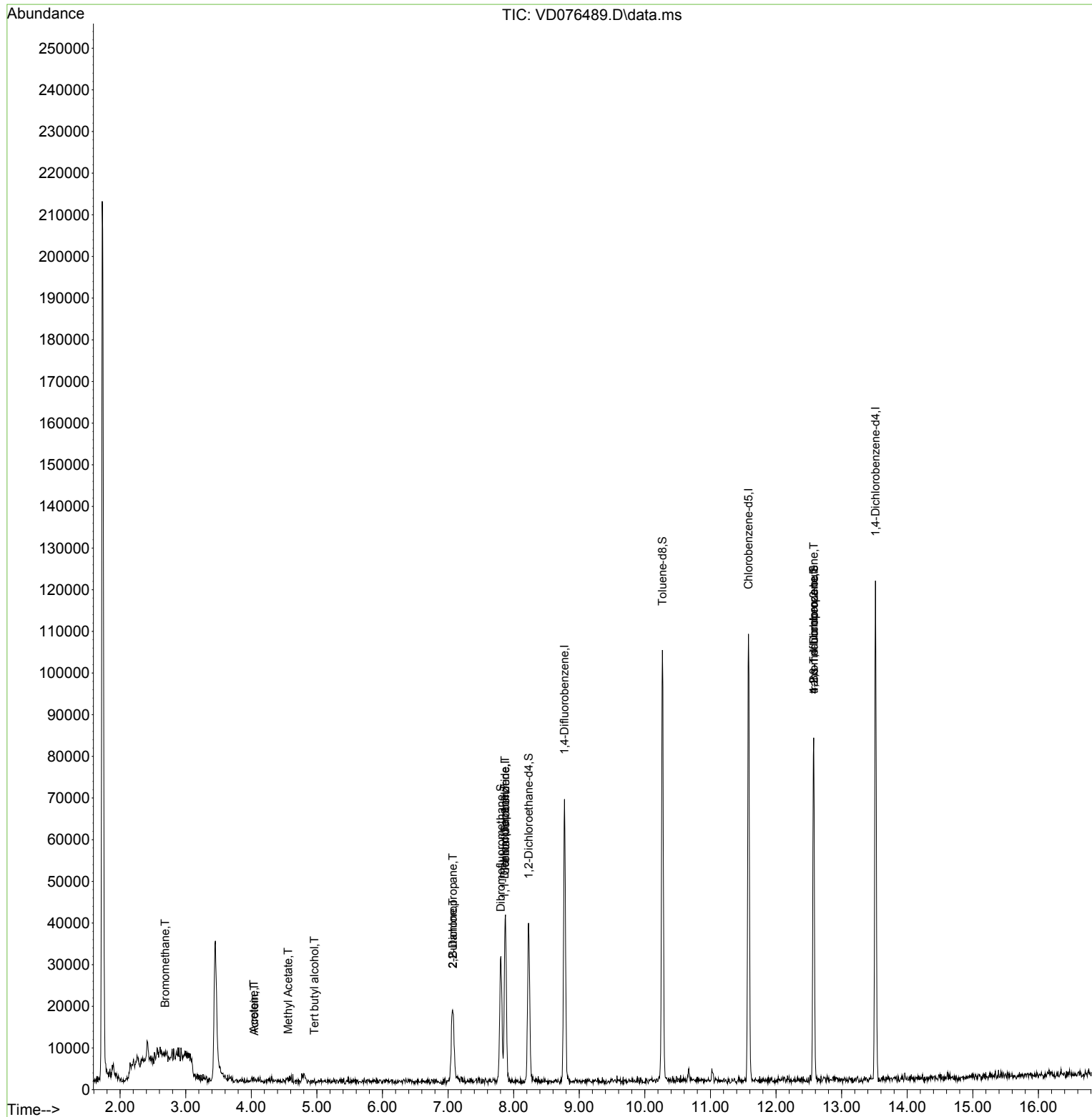
Internal Standards						
1) Pentafluorobenzene	7.875	168	30732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	58330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	60135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	31313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27379	88.919	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 177.840%#		
35) Dibromofluoromethane	7.804	113	21662	62.513	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 125.020%		
50) Toluene-d8	10.269	98	70559	53.691	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 107.380%		
62) 4-Bromofluorobenzene	12.575	95	25103	58.858	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 117.720%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	604	1.715	ug/l #	35
11) Tert butyl alcohol	4.963	59	81	3.047	ug/l #	73
13) Acrolein	4.046	56	64	2.235	ug/l #	15
16) Acetone	4.040	43	831	11.342	ug/l #	32
18) Methyl Acetate	4.563	43	2092	6.195	ug/l #	55
20) Methylene Chloride	4.793	84	1289	Below Cal	#	82
25) 2-Butanone	7.075	43	1286	11.348	ug/l #	37
26) 2,2-Dichloropropane	7.075	77	1693	3.162	ug/l #	49
28) Bromochloromethane	7.334	49	76	Below Cal	#	1
36) 1,1-Dichloropropene	7.863	75	2623	5.405	ug/l #	43
38) Carbon Tetrachloride	7.869	117	3292	7.590	ug/l #	21
76) 1,2,3-Trichloropropane	12.575	75	13699	44.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	13699	96.590	ug/l #	18

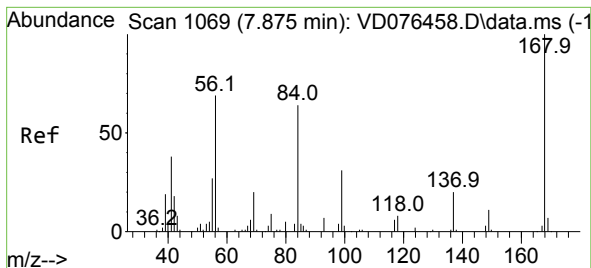
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076489.D

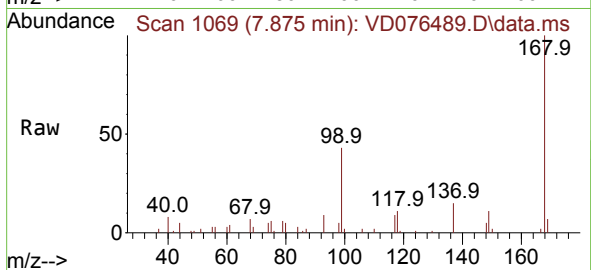
Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

SB-02-12.0-14.0RE

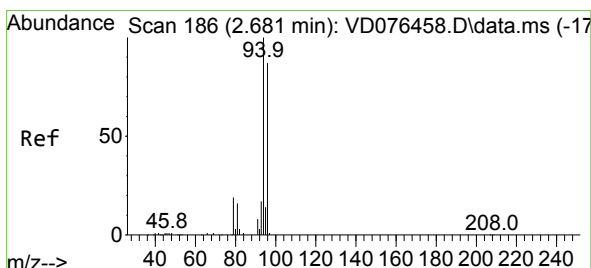
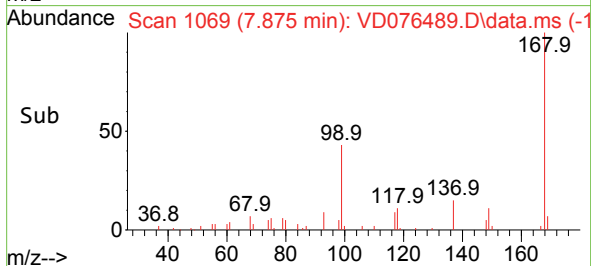
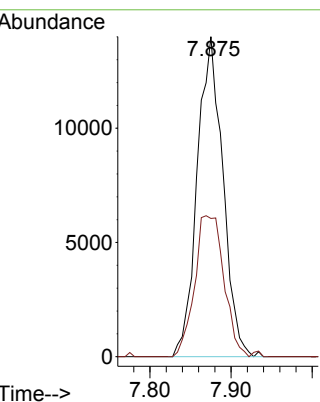


Tgt Ion:168 Resp: 30732

Ion Ratio Lower Upper

168 100

99 43.2 36.7 55.1



#5

Bromomethane

Concen: 1.715 ug/l

RT: 2.687 min Scan# 187

Delta R.T. 0.006 min

Lab File: VD076489.D

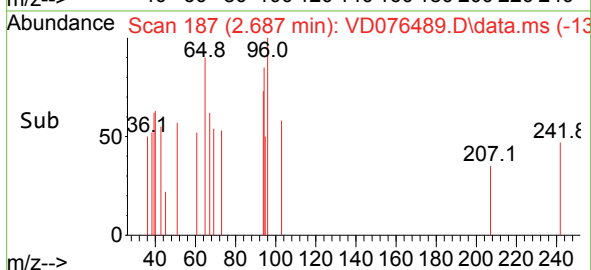
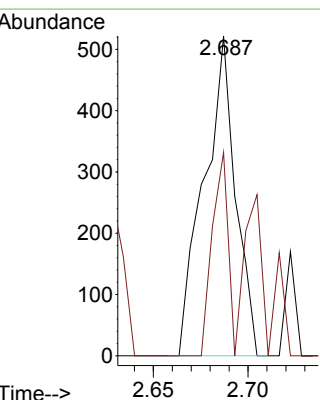
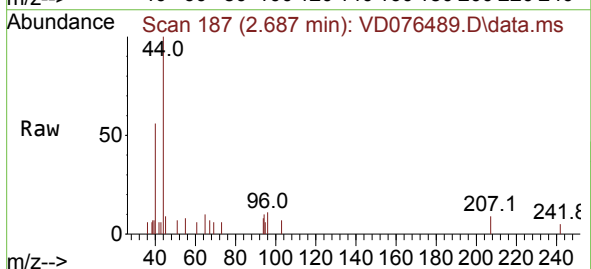
Acq: 20 Jun 2023 13:46

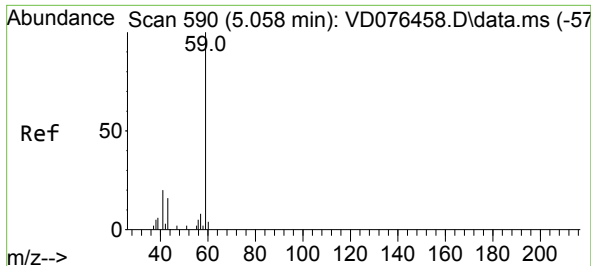
Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

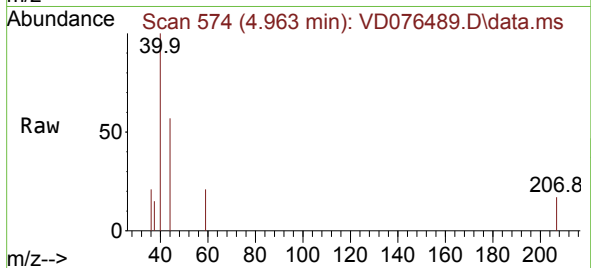
96 31.8 75.8 113.8#



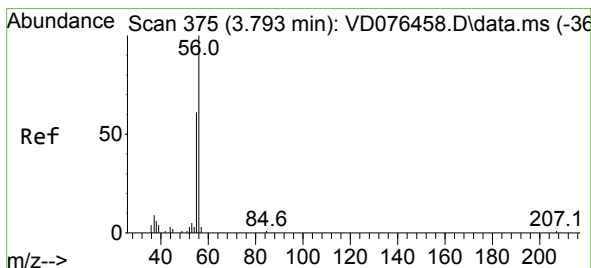
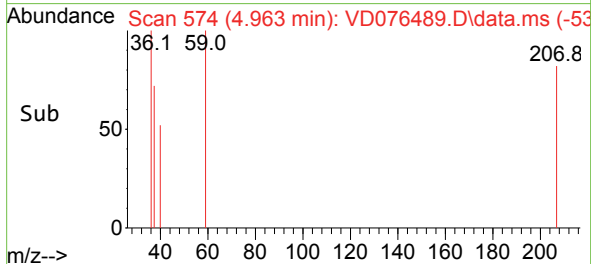
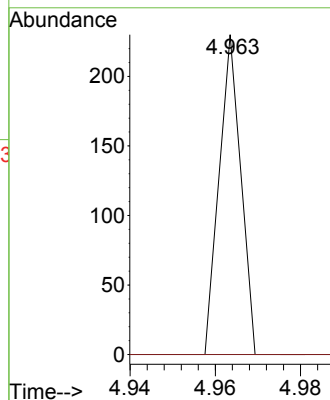


#11
Tert butyl alcohol
Concen: 3.047 ug/l
RT: 4.963 min Scan# 51
Delta R.T. -0.094 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0RE

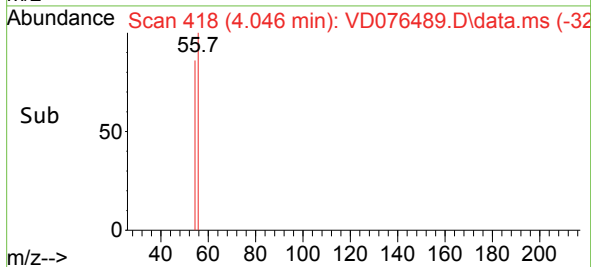
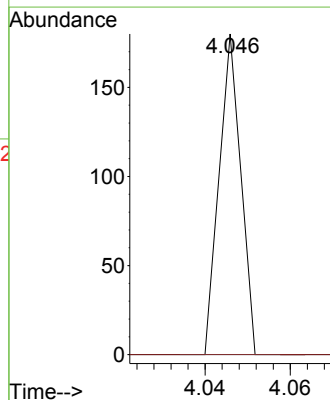
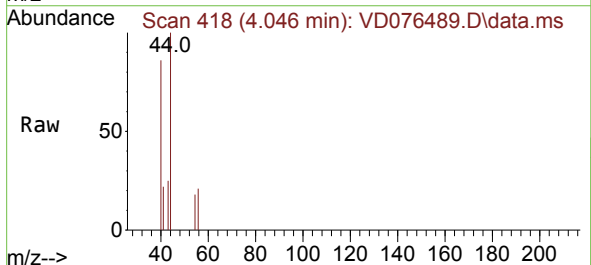


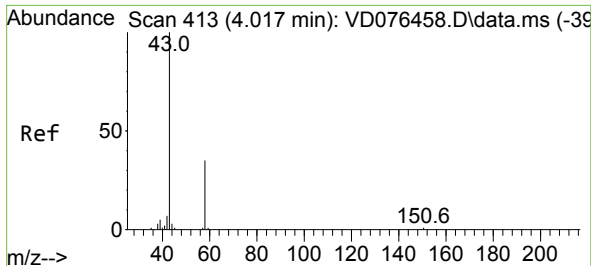
Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 2.235 ug/l
RT: 4.046 min Scan# 418
Delta R.T. 0.253 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 11.342 ug/l

RT: 4.040 min Scan# 41

Delta R.T. 0.023 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

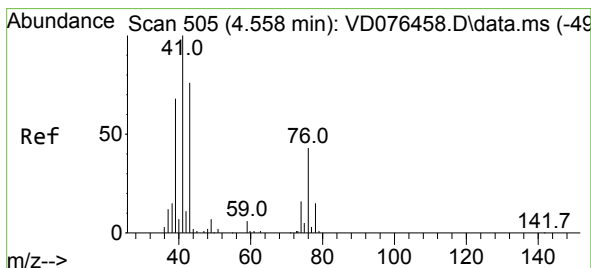
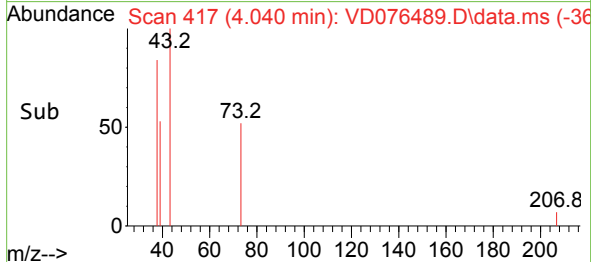
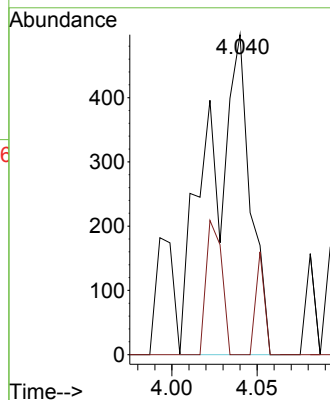
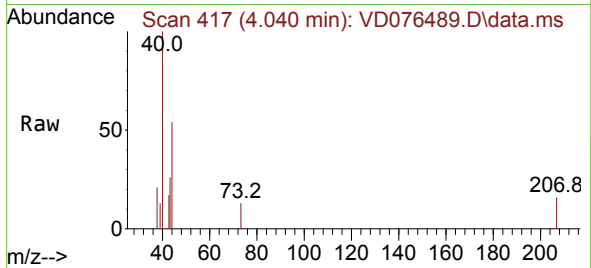
SB-02-12.0-14.0RE

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#18

Methyl Acetate

Concen: 6.195 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD076489.D

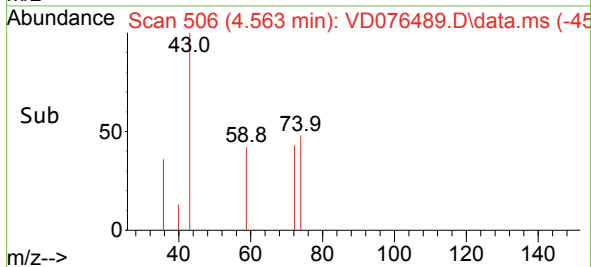
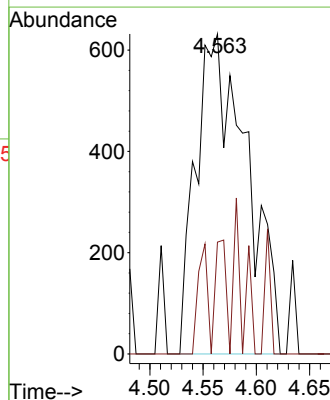
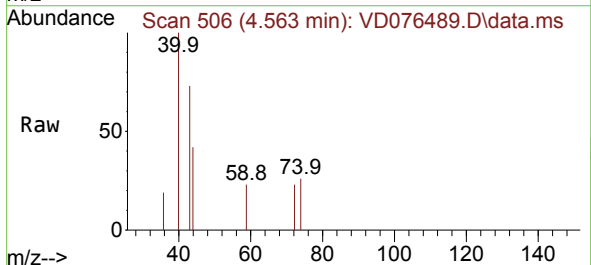
Acq: 20 Jun 2023 13:46

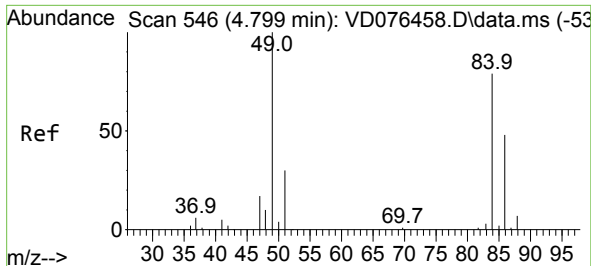
Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

74 7.5 26.4 39.6#

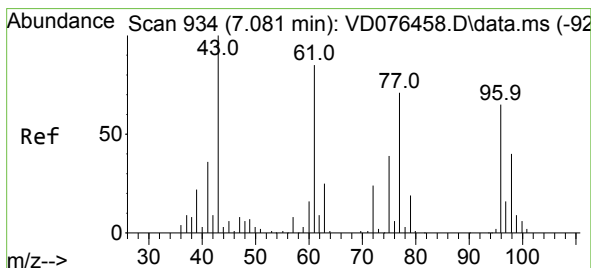
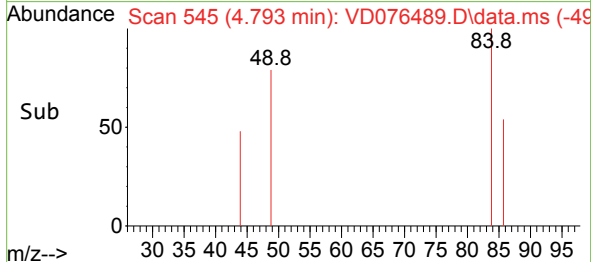
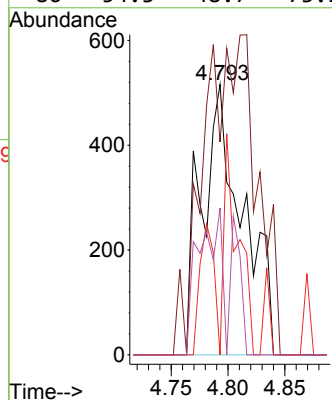
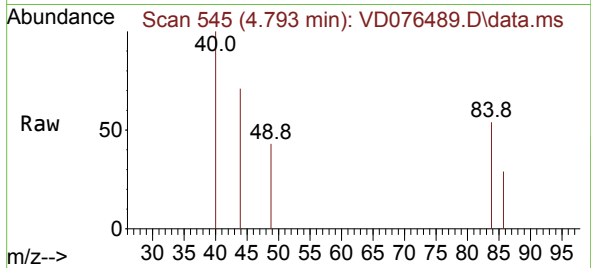




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

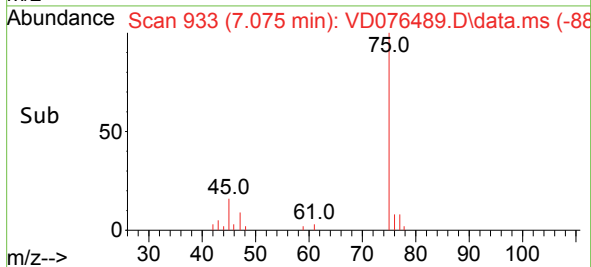
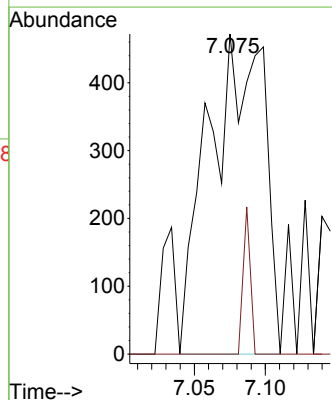
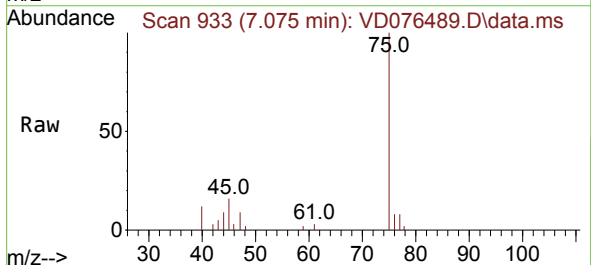
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0RE

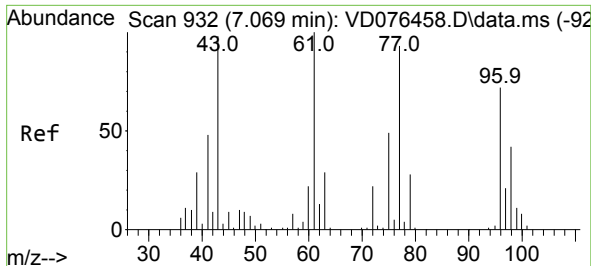
Tgt Ion:	84	Resp:	1289
Ion	Ratio	Lower	Upper
84	100		
49	78.7	71.4	107.2
51	0.0	24.5	36.7#
86	54.3	48.7	73.1



#25
2-Butanone
Concen: 11.348 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

Tgt Ion:	43	Resp:	1286
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#26

2,2-Dichloropropane

Concen: 3.162 ug/l

RT: 7.075 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

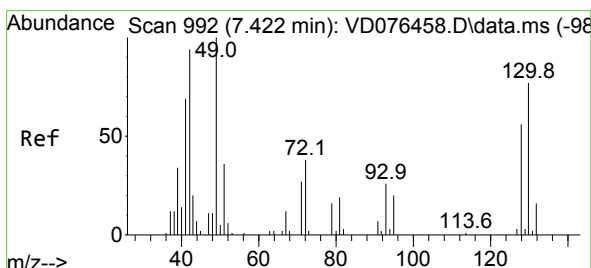
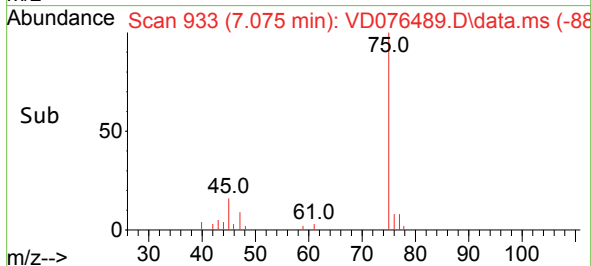
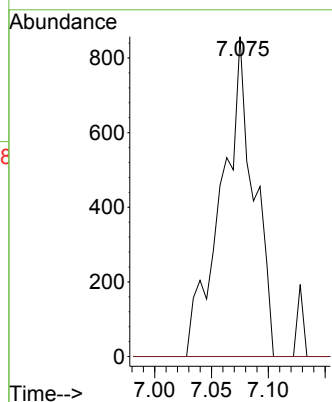
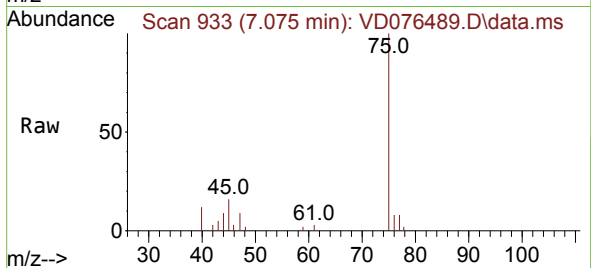
SB-02-12.0-14.0RE

Tgt Ion: 77 Resp: 1693

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.334 min Scan# 977

Delta R.T. -0.088 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

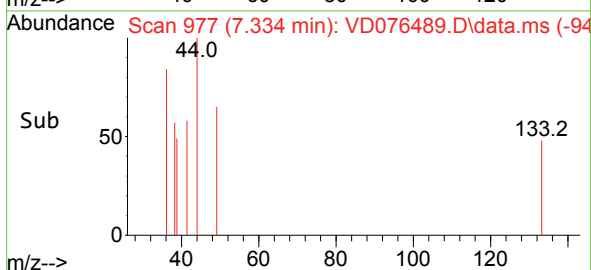
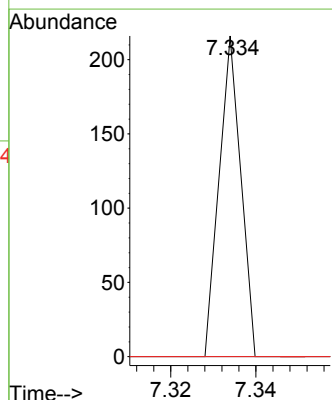
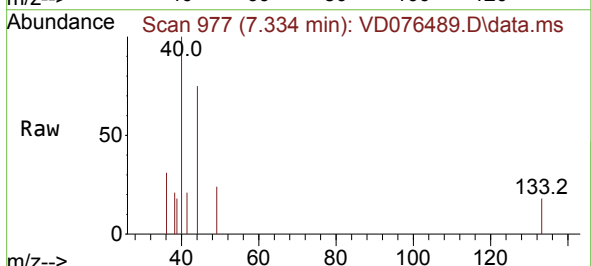
Tgt Ion: 49 Resp: 76

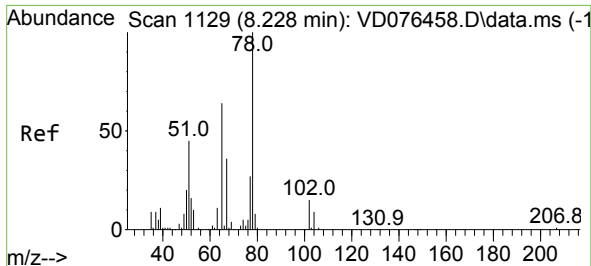
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 88.919 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

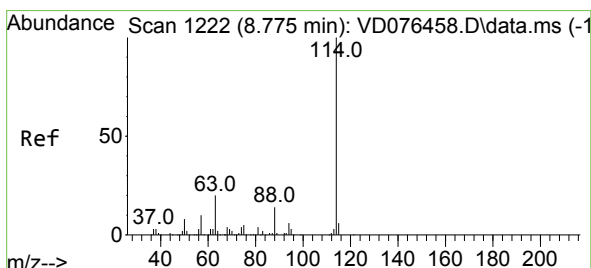
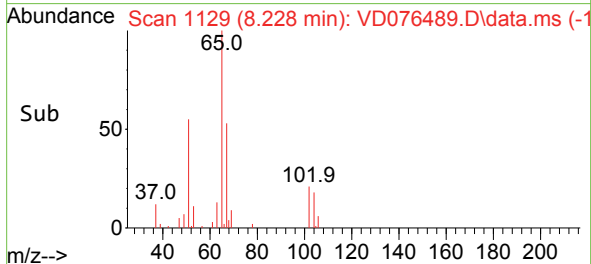
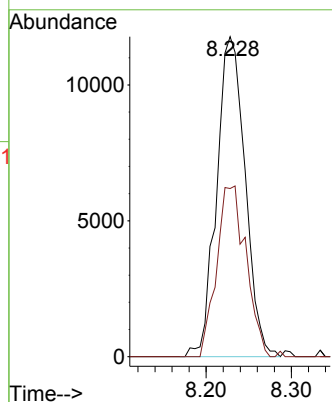
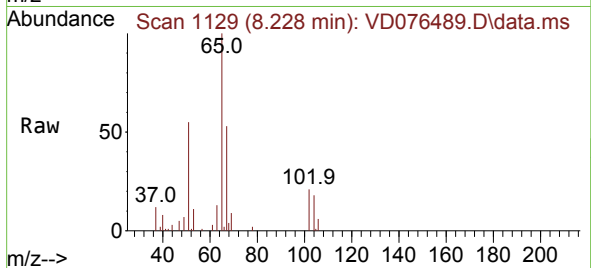
SB-02-12.0-14.0RE

Tgt Ion: 65 Resp: 27379

Ion Ratio Lower Upper

65 100

67 54.8 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: VD076489.D

Acq: 20 Jun 2023 13:46

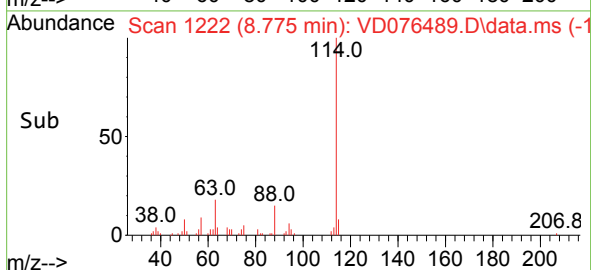
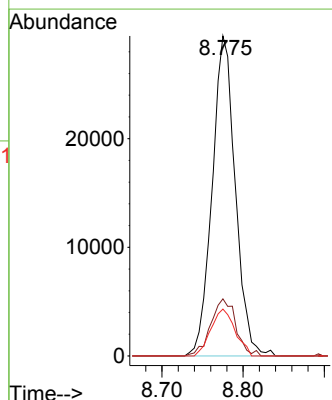
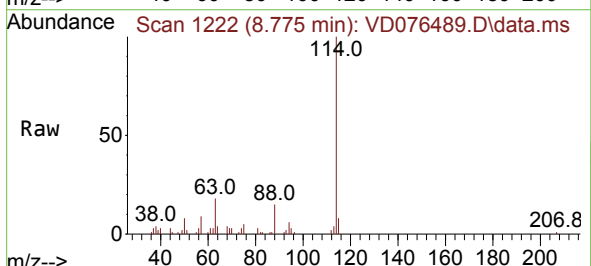
Tgt Ion: 114 Resp: 58330

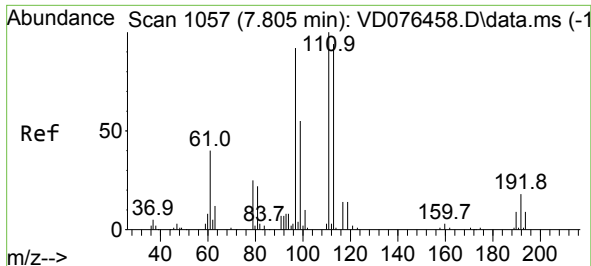
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 62.513 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

SB-02-12.0-14.0RE

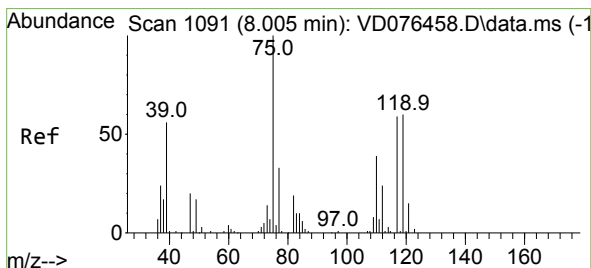
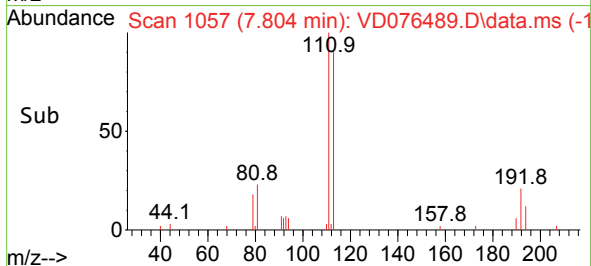
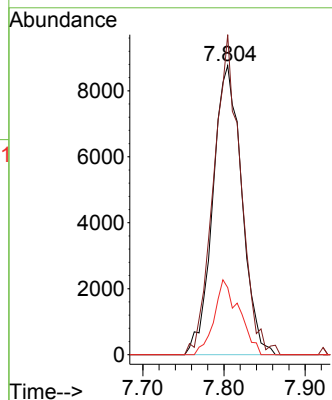
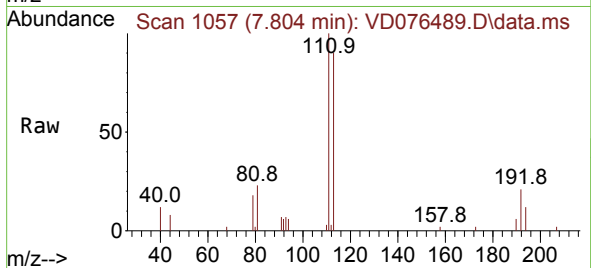
Tgt Ion:113 Resp: 21662

Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 22.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.405 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

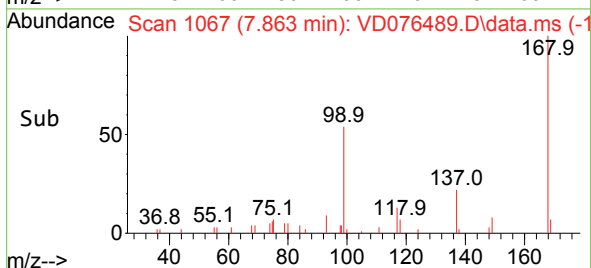
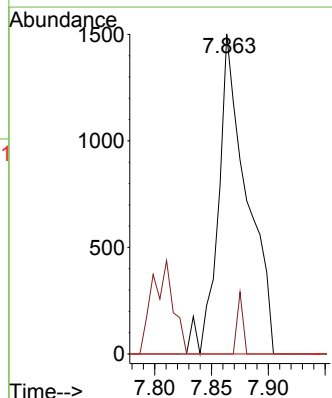
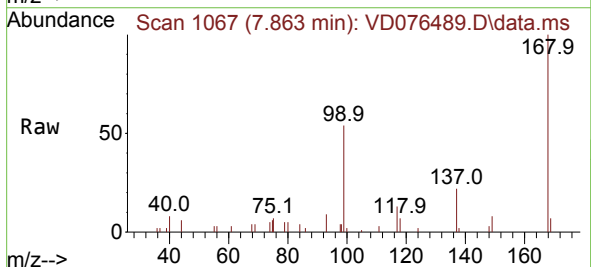
Tgt Ion: 75 Resp: 2623

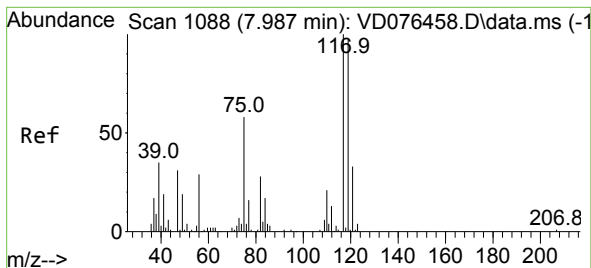
Ion Ratio Lower Upper

75 100

110 3.9 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.590 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076489.D

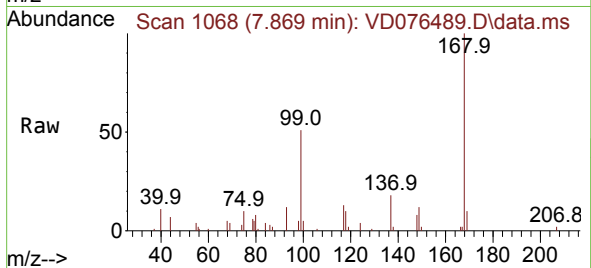
Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

SB-02-12.0-14.0RE



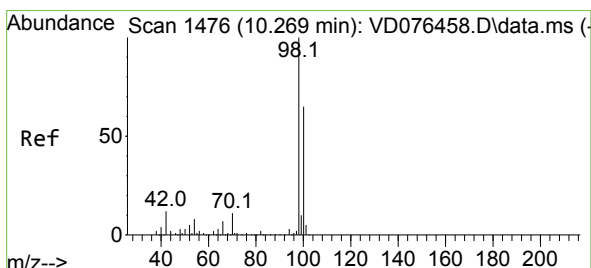
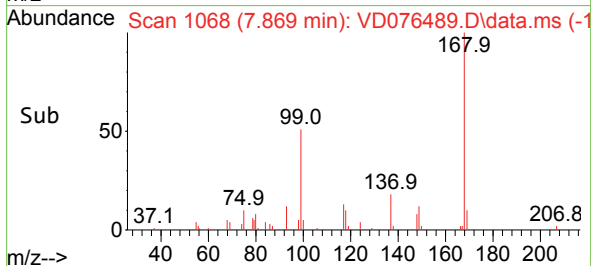
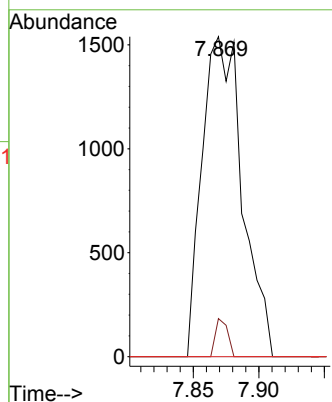
Tgt Ion:117 Resp: 3292

Ion Ratio Lower Upper

117 100

119 11.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.691 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076489.D

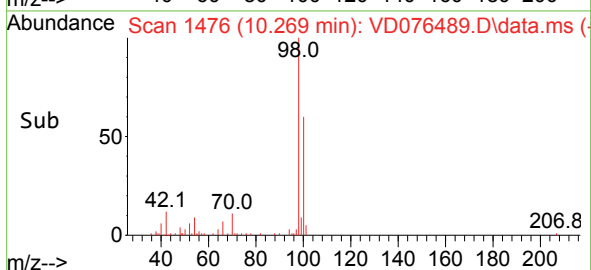
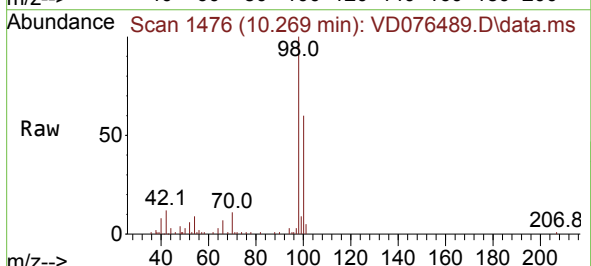
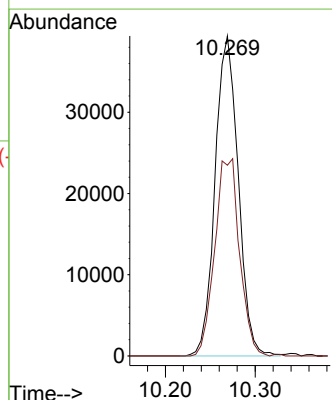
Acq: 20 Jun 2023 13:46

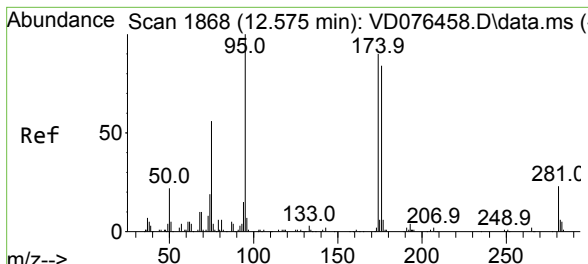
Tgt Ion: 98 Resp: 70559

Ion Ratio Lower Upper

98 100

100 66.1 50.3 75.5

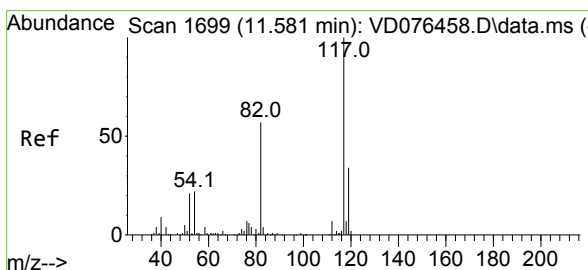
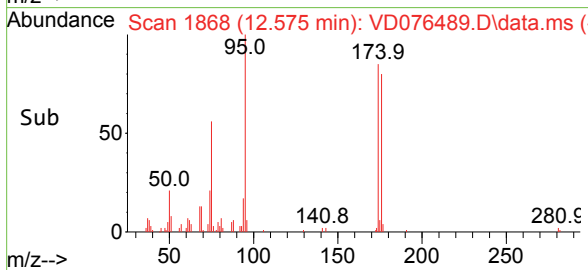
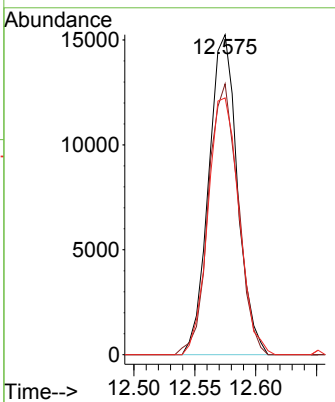
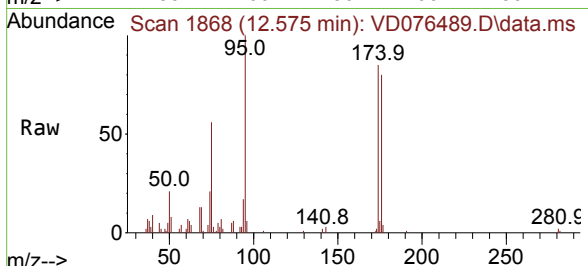




#62
4-Bromofluorobenzene
Concen: 58.858 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

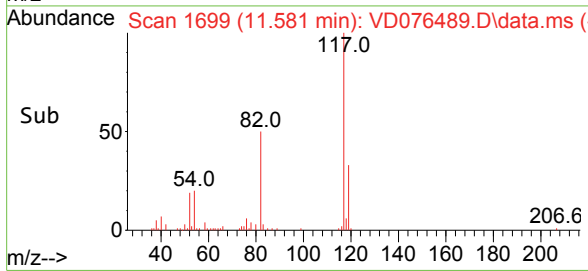
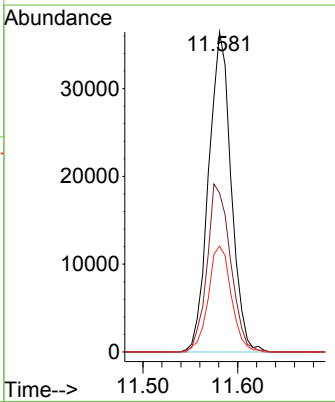
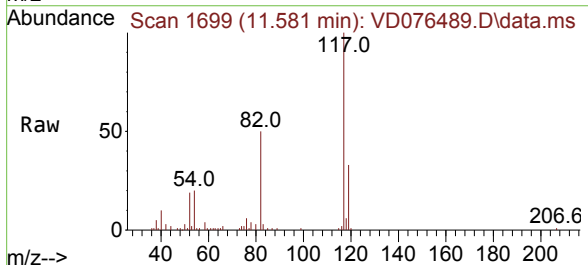
Instrument : MSVOA_D
ClientSampleId : SB-02-12.0-14.0RE

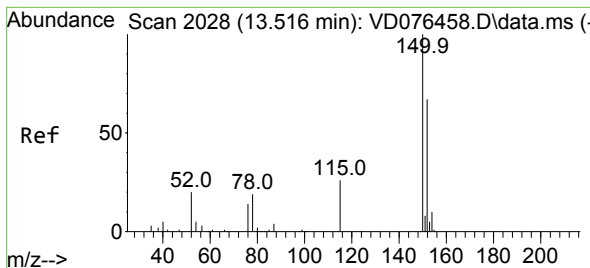
Tgt Ion:	95	Resp:	25103
Ion Ratio	Lower	Upper	
95	100		
174	86.9	0.0	201.8
176	86.3	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076489.D
Acq: 20 Jun 2023 13:46

Tgt Ion:	117	Resp:	60135
Ion Ratio	Lower	Upper	
117	100		
82	49.7	38.3	57.5
119	33.1	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD076489.D

Acq: 20 Jun 2023 13:46

Instrument :

MSVOA_D

ClientSampleId :

SB-02-12.0-14.0RE

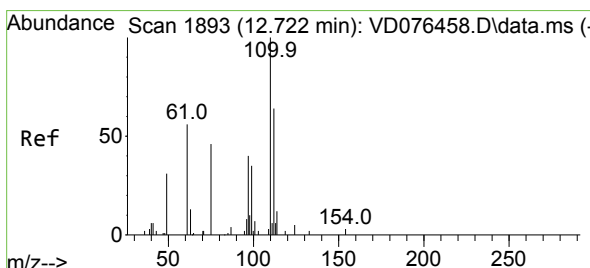
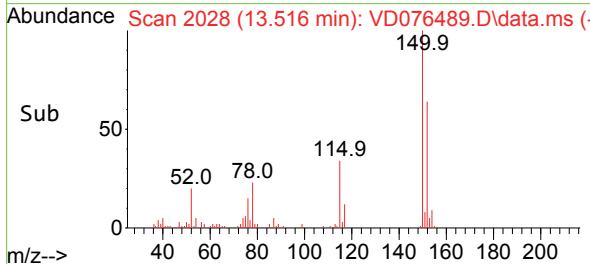
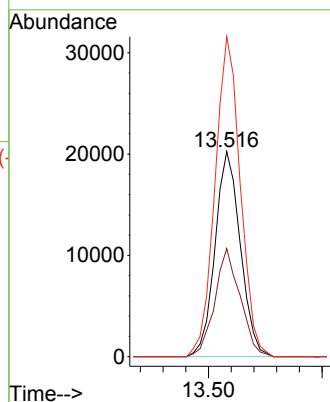
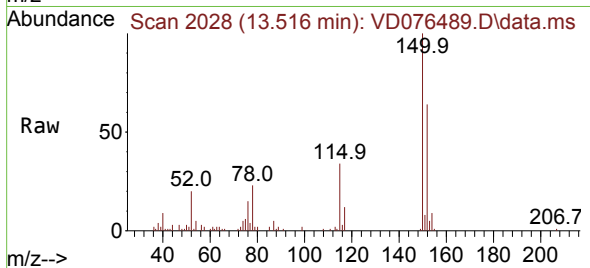
Tgt Ion:152 Resp: 31313

Ion Ratio Lower Upper

152 100

115 53.0 27.1 81.3

150 156.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 44.080 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076489.D

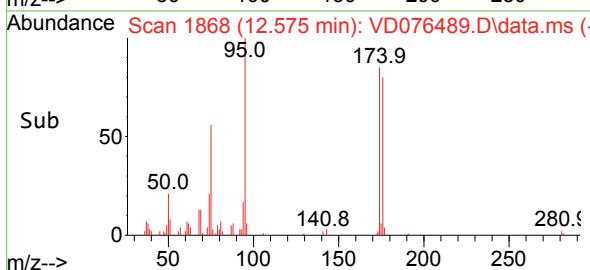
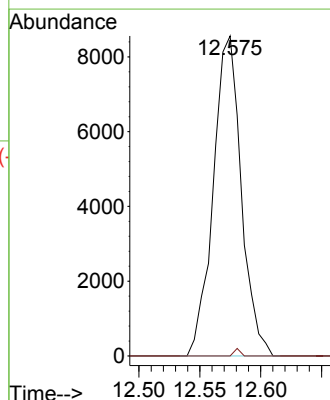
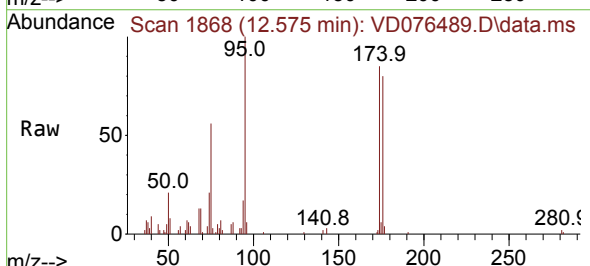
Acq: 20 Jun 2023 13:46

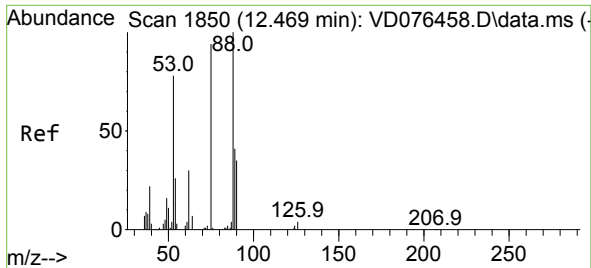
Tgt Ion: 75 Resp: 13699

Ion Ratio Lower Upper

75 100

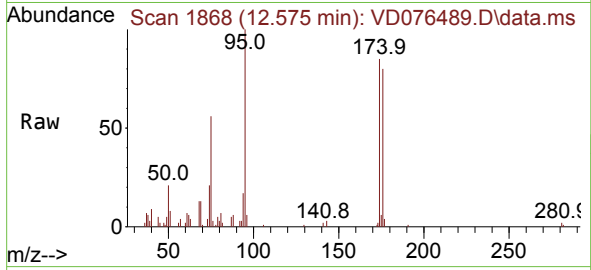
77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.590 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076489.D
 Acq: 20 Jun 2023 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-12.0-14.0RE



Tgt Ion:	75	Resp:	13699
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.4	37.9	56.9#

