

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071687.D
 Acq On : 12 Jan 2022 15:37
 Operator : VA/SY
 Sample : N1097-13
 Misc : 4.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3S

Quant Time: Jan 13 05:29:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

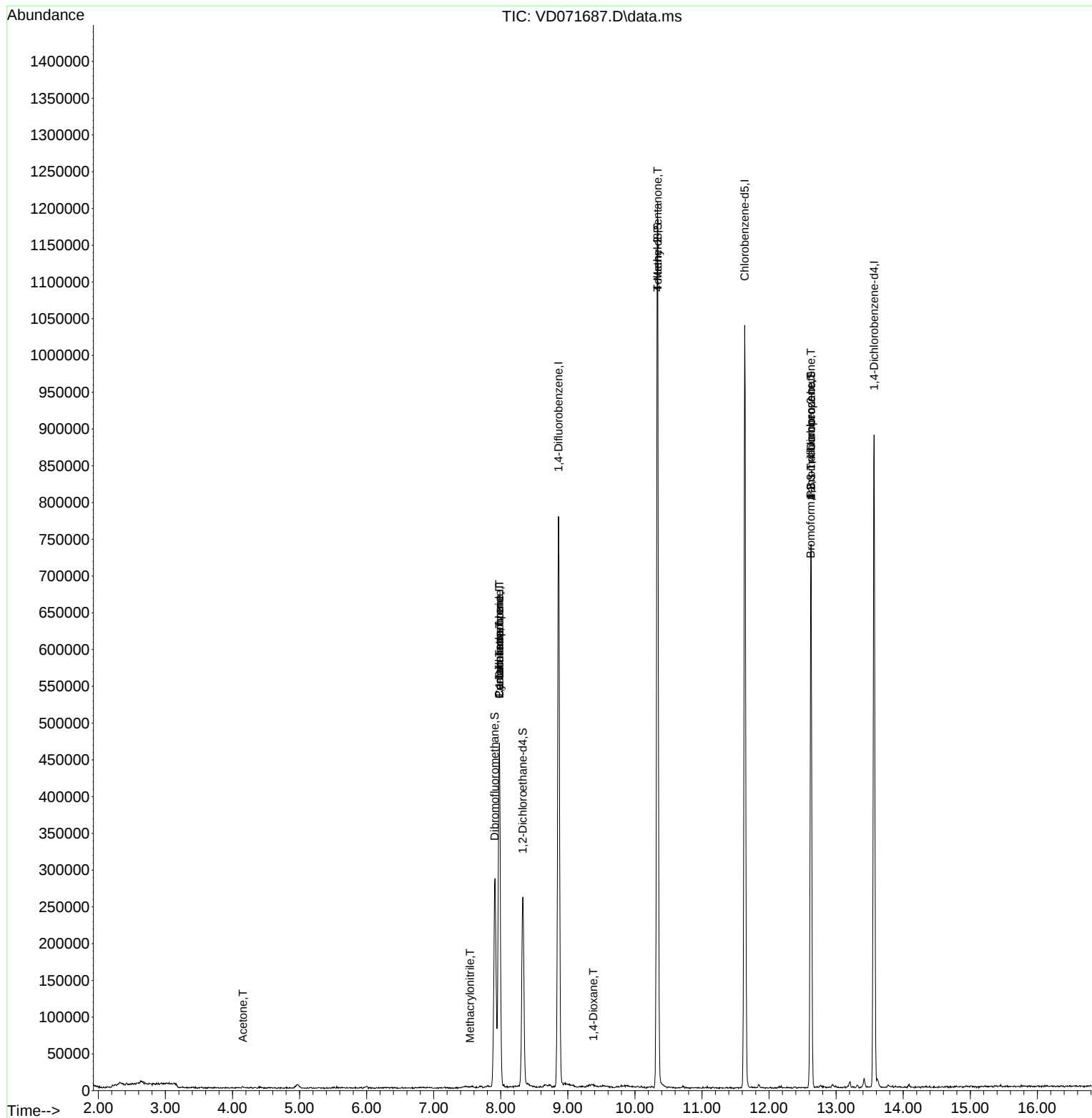
Internal Standards						
1) Pentafluorobenzene	7.979	168	318720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	598656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	531747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	214159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207479	50.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.180%	
35) Dibromofluoromethane	7.908	113	191864	48.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.980%	
50) Toluene-d8	10.338	98	770822	52.047	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.100%	
62) 4-Bromofluorobenzene	12.626	95	216589	41.503	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	256	Below Cal	#	41
3) Chloromethane	2.215	50	374	Below Cal	#	43
5) Bromomethane	2.785	94	528	Below Cal	#	29
11) Tert butyl alcohol	5.173	59	55	Below Cal	#	75
16) Acetone	4.156	43	1480	1.563	ug/l	95
18) Methyl Acetate	4.856	43	61	Below Cal	#	56
20) Methylene Chloride	4.967	84	3454	Below Cal	#	63
31) Cyclohexane	7.979	56	9930	2.059	ug/l	# 35
36) 1,1-Dichloropropene	7.979	75	29977	5.312	ug/l	# 52
38) Carbon Tetrachloride	7.979	117	36528	6.391	ug/l	# 19
41) Methacrylonitrile	7.544	41	66	1.170	ug/l	# 35
49) 1,4-Dioxane	9.379	88	56	2.596	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.338	43	4697	1.803	ug/l	# 1
71) Bromoform	12.620	173	1960	1.040	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	131403	63.499	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	131403	177.028	ug/l	# 3

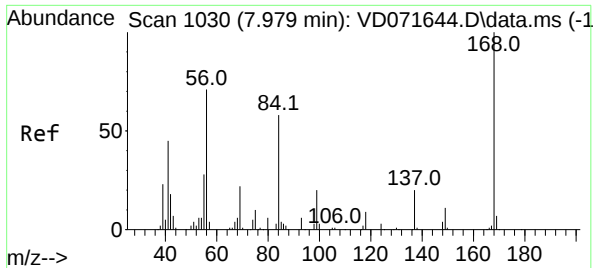
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
Data File : VD071687.D
Acq On : 12 Jan 2022 15:37
Operator : VA/SY
Sample : N1097-13
Misc : 4.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3S

Quant Time: Jan 13 05:29:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

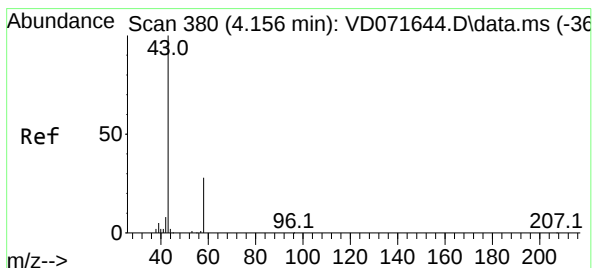
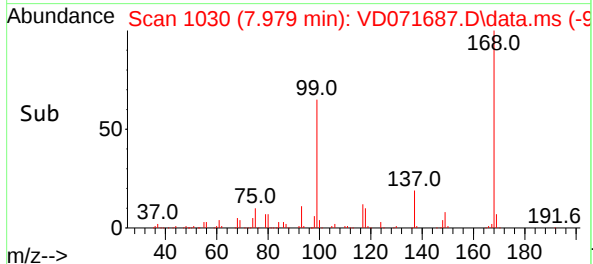
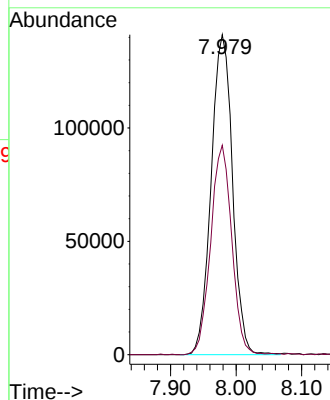
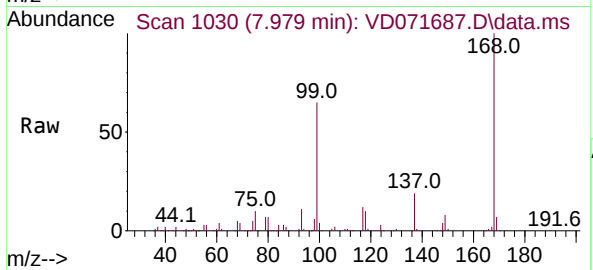




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

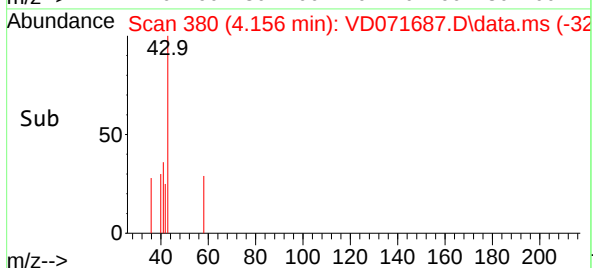
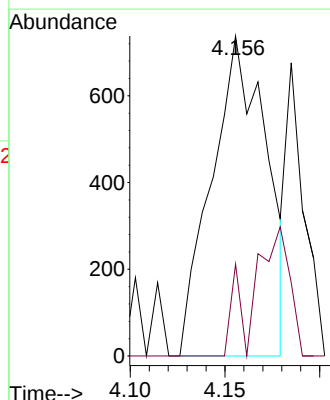
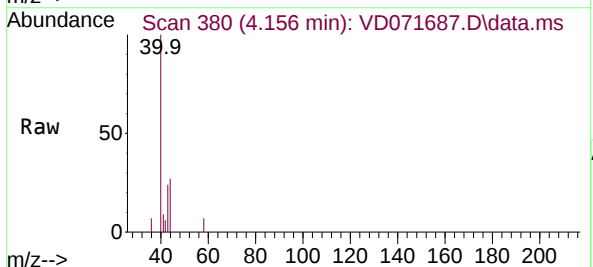
Instrument :
MSVOA_D
ClientSampleId :
TP-3S

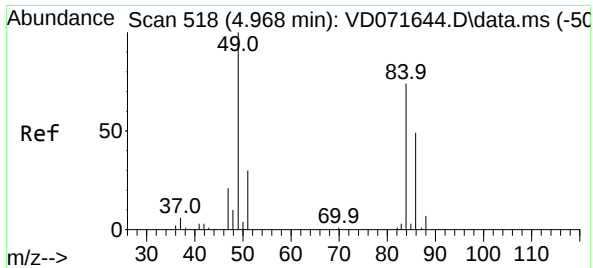
Tgt Ion:168 Resp: 318720
Ion Ratio Lower Upper
168 100
99 65.5 51.8 77.6



#16
Acetone
Concen: 1.563 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 28.7 21.0 31.6

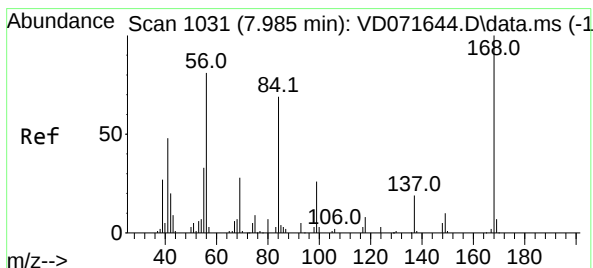
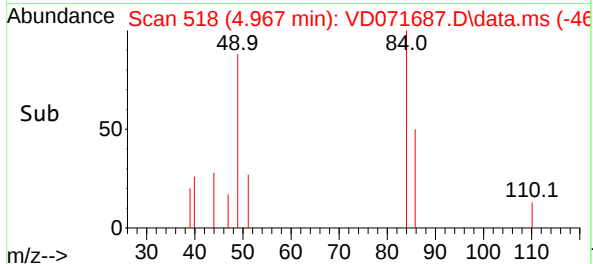
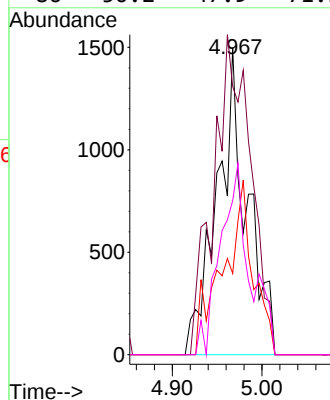
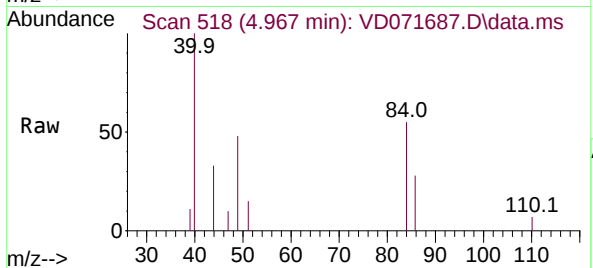




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

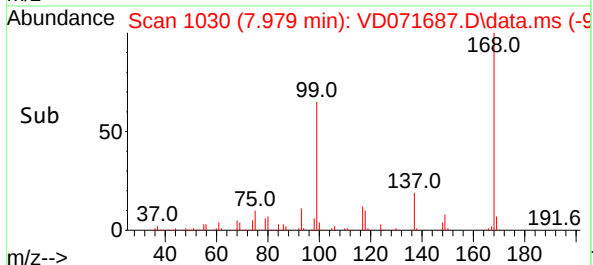
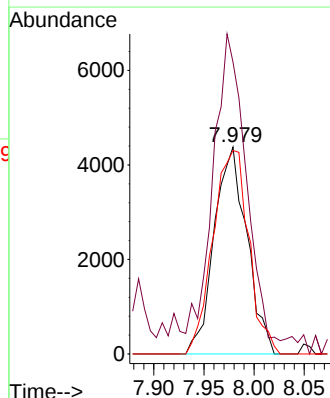
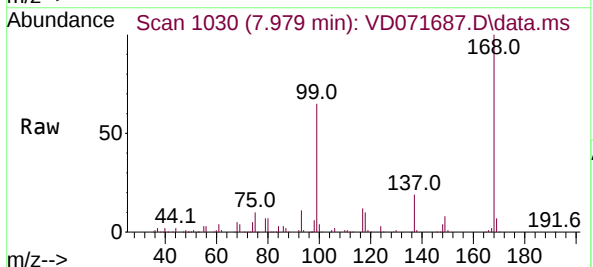
Instrument :
MSVOA_D
ClientSampleId :
TP-3S

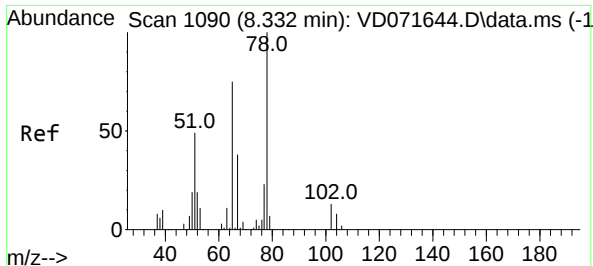
Tgt Ion:	84	Resp:	3454
Ion	Ratio	Lower	Upper
84	100		
49	87.5	118.6	178.0#
51	26.5	37.8	56.6#
86	50.2	47.9	71.9



#31
Cyclohexane
Concen: 2.059 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

Tgt Ion:	56	Resp:	9930
Ion	Ratio	Lower	Upper
56	100		
69	134.7	21.7	32.5#
84	98.4	65.7	98.5





#33

1,2-Dichloroethane-d4

Concen: 50.592 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

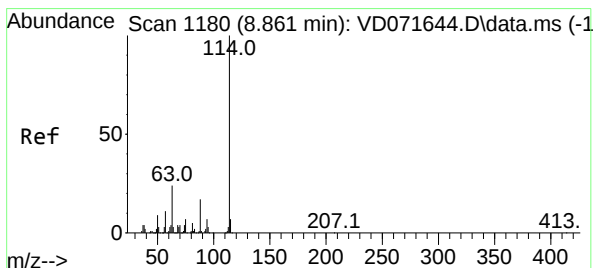
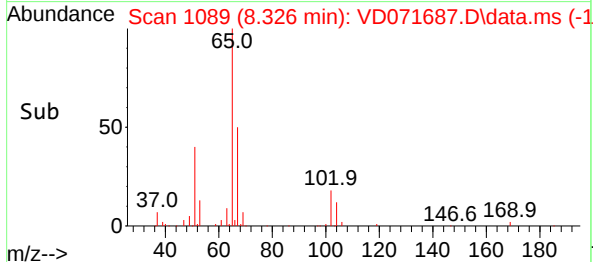
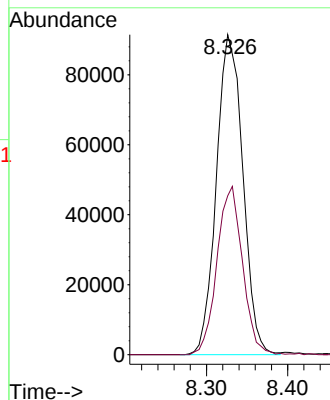
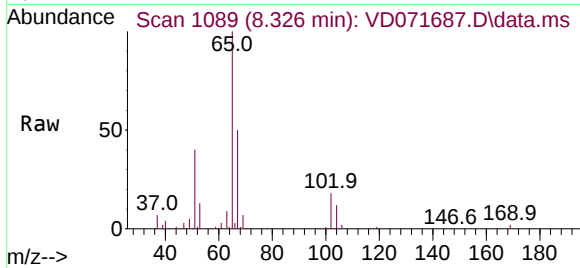
TP-3S

Tgt Ion: 65 Resp: 207479

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

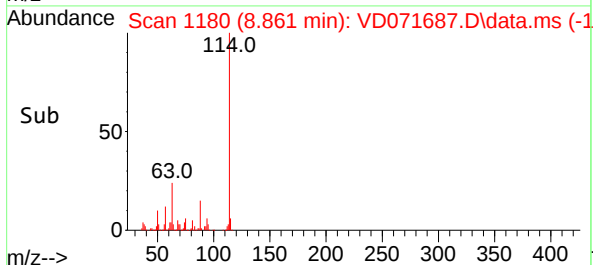
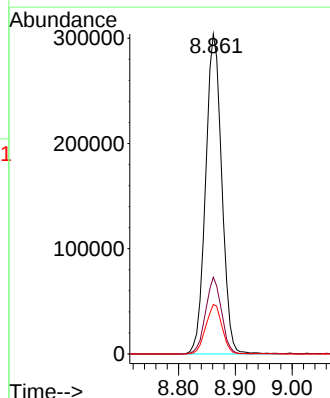
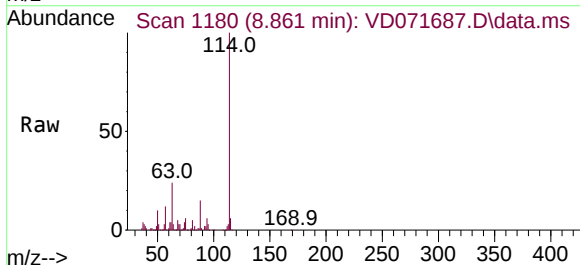
Tgt Ion: 114 Resp: 598656

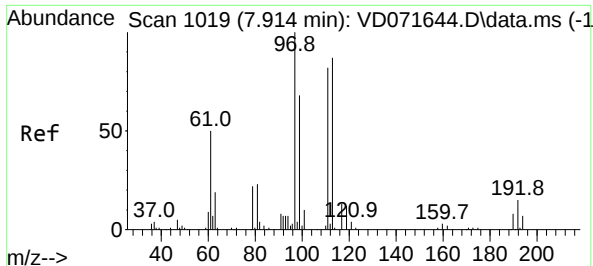
Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.2

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.495 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3S

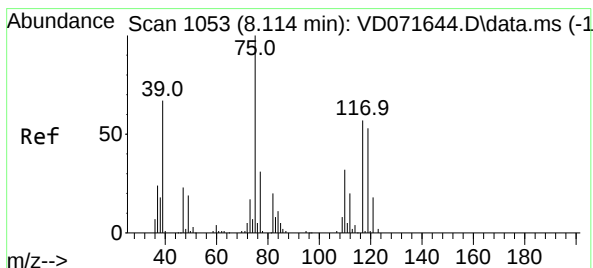
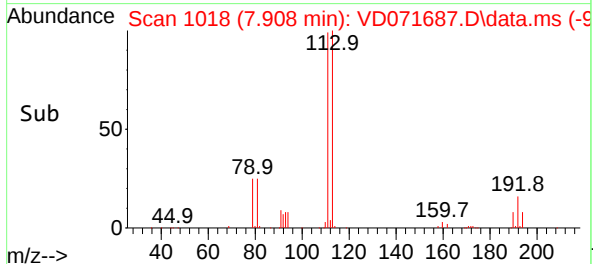
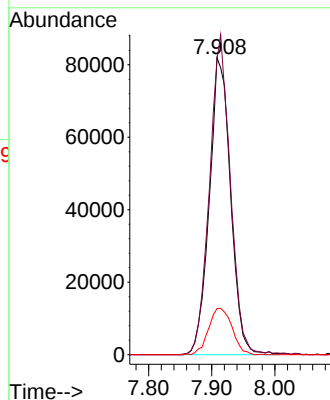
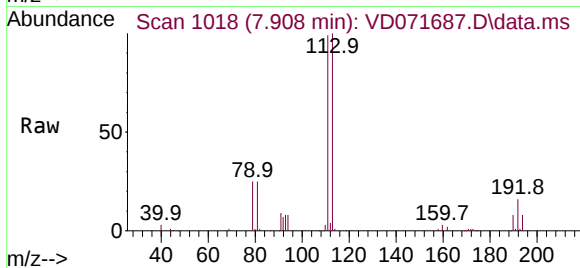
Tgt Ion:113 Resp: 191864

Ion Ratio Lower Upper

113 100

111 105.8 82.2 123.4

192 17.2 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.312 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

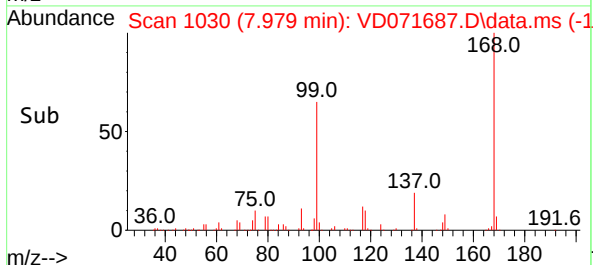
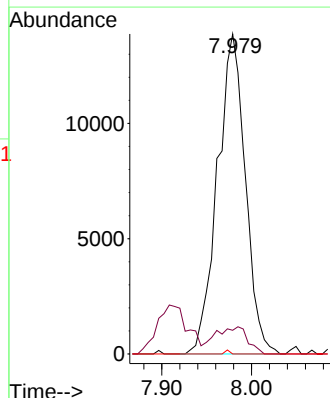
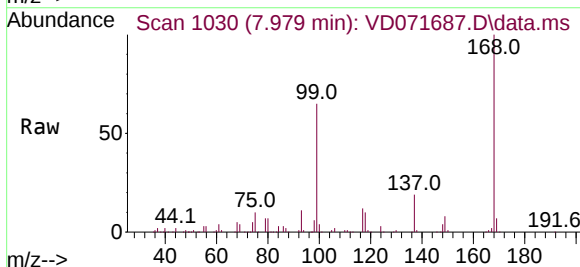
Tgt Ion: 75 Resp: 29977

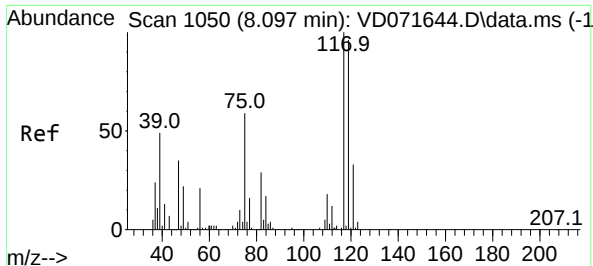
Ion Ratio Lower Upper

75 100

110 9.4 16.0 48.0#

77 0.2 24.5 36.7#

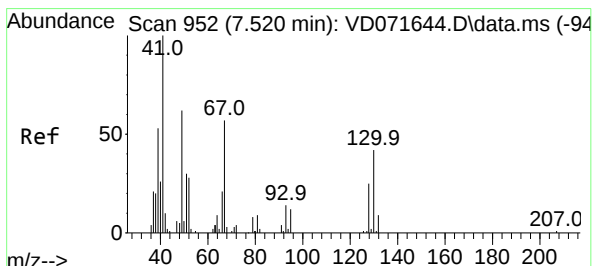
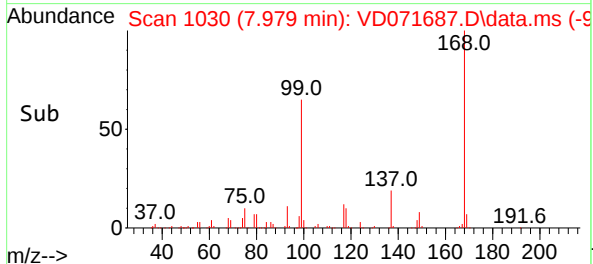
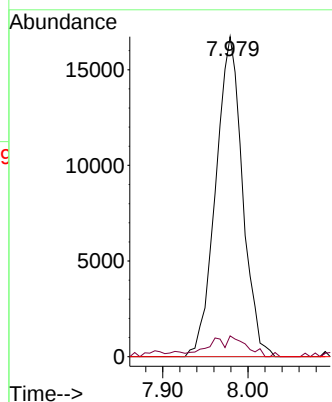
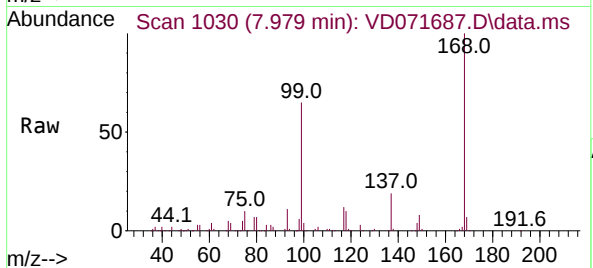




#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

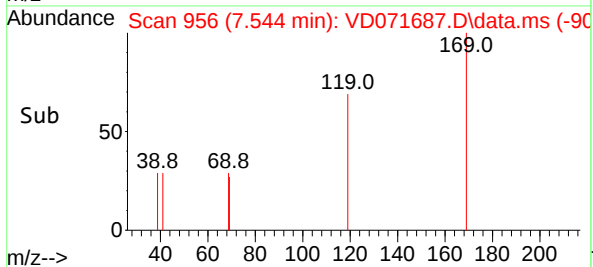
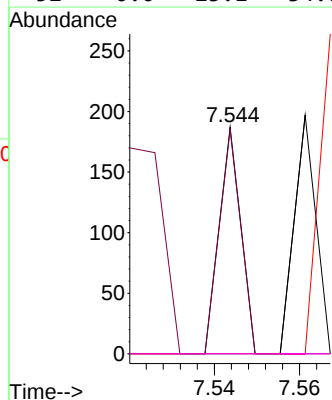
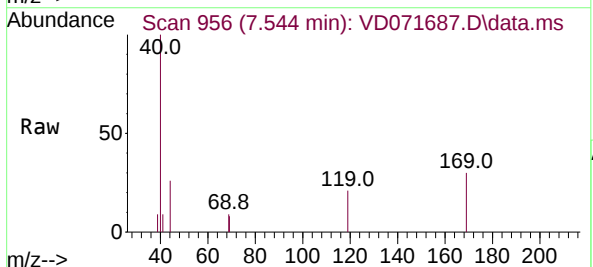
Instrument :
MSVOA_D
ClientSampleId :
TP-3S

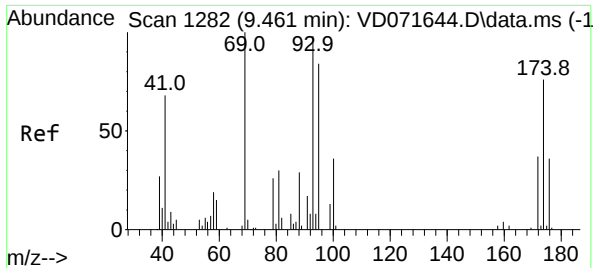
Tgt Ion:117 Resp: 36528
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.170 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.024 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 98.5 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

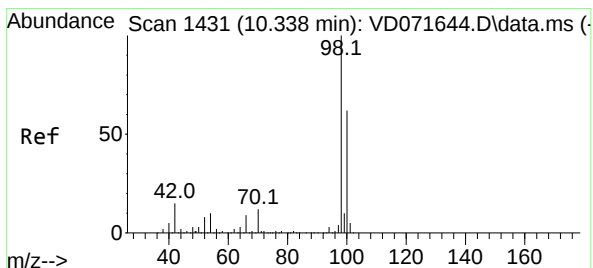
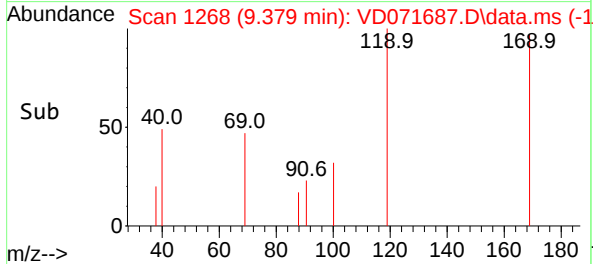
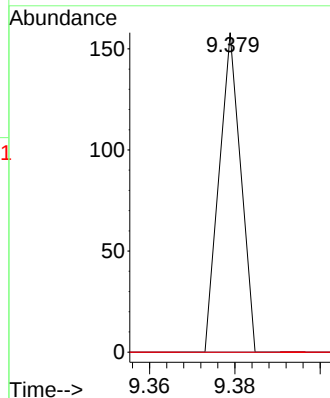
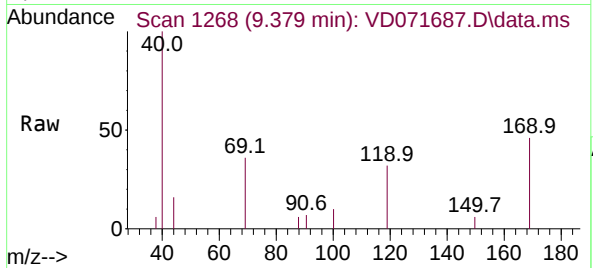




#49
1,4-Dioxane
Concen: 2.596 ug/l
RT: 9.379 min Scan# 1268
Delta R.T. -0.076 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

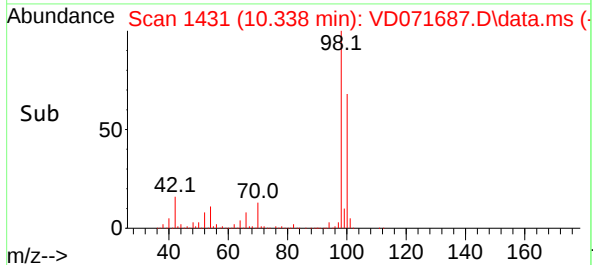
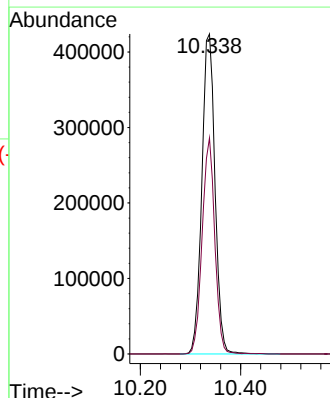
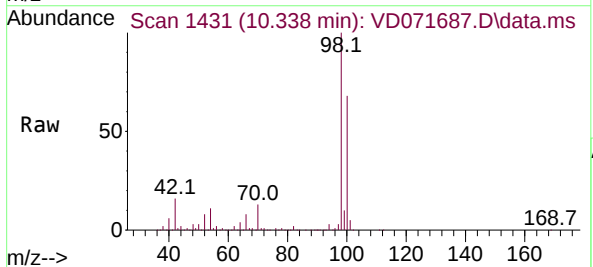
Instrument :
MSVOA_D
ClientSampleId :
TP-3S

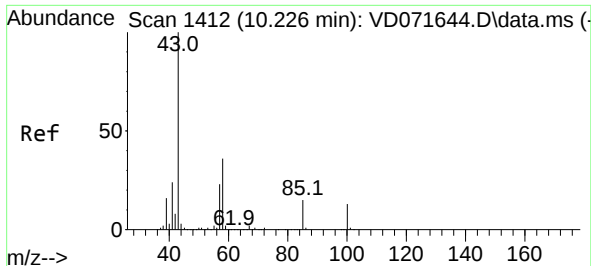
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 34.6 52.0#
58 0.0 62.0 93.0#



#50
Toluene-d8
Concen: 52.047 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

Tgt Ion: 98 Resp: 770822
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.803 ug/l

RT: 10.338 min Scan# 1412

Delta R.T. 0.112 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

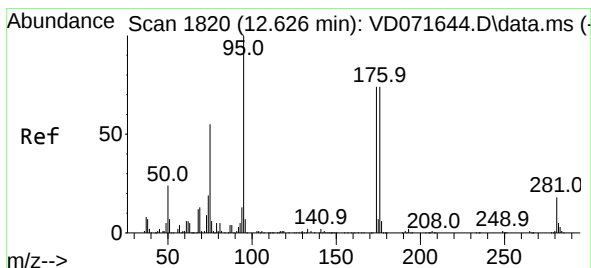
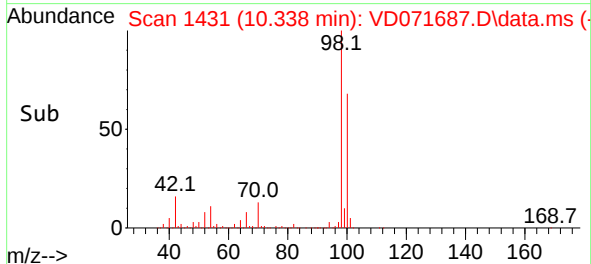
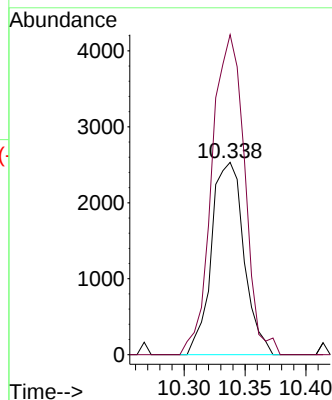
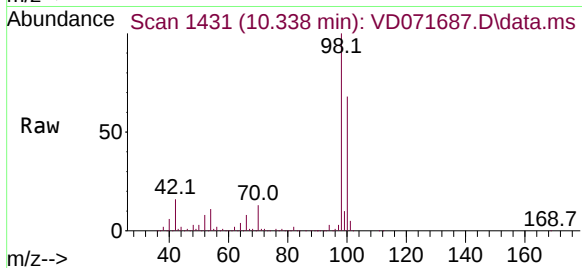
TP-3S

Tgt Ion: 43 Resp: 4697

Ion Ratio Lower Upper

43 100

58 167.5 28.2 42.2#



#62

4-Bromofluorobenzene

Concen: 41.503 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071687.D

Acq: 12 Jan 2022 15:37

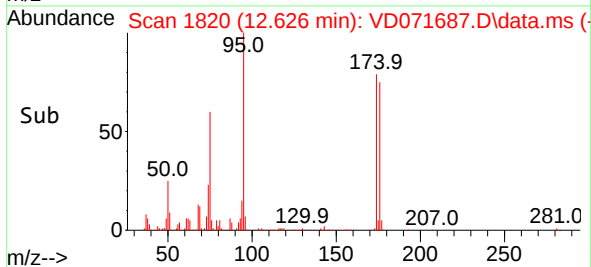
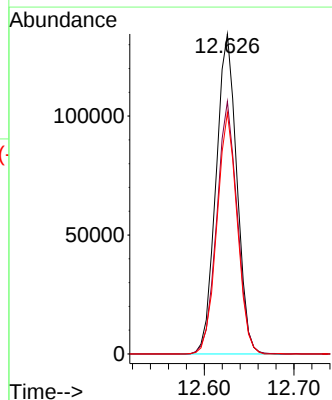
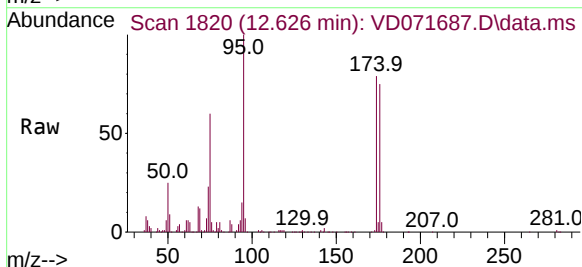
Tgt Ion: 95 Resp: 216589

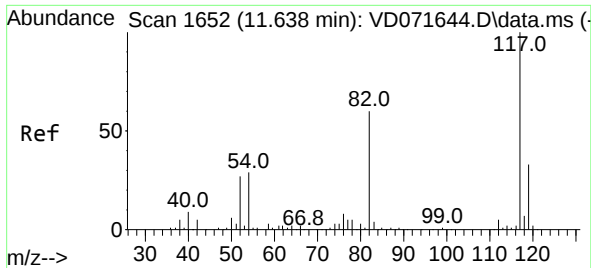
Ion Ratio Lower Upper

95 100

174 77.8 0.0 150.0

176 73.5 0.0 146.4

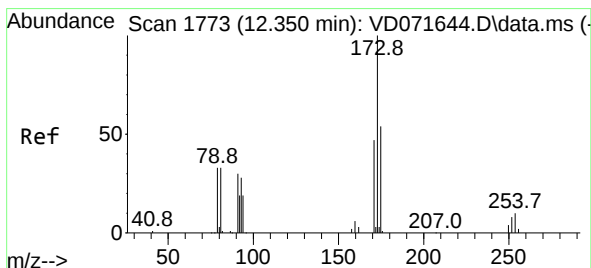
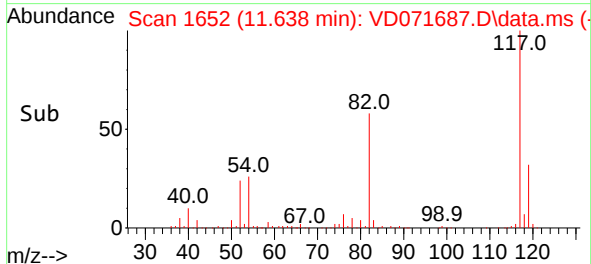
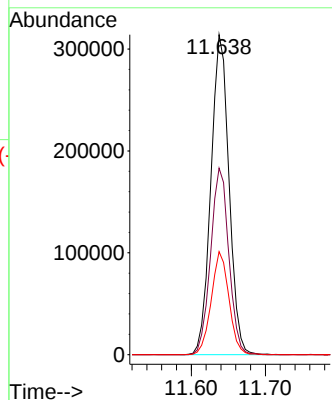
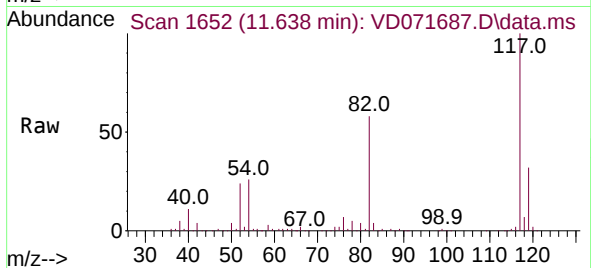




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

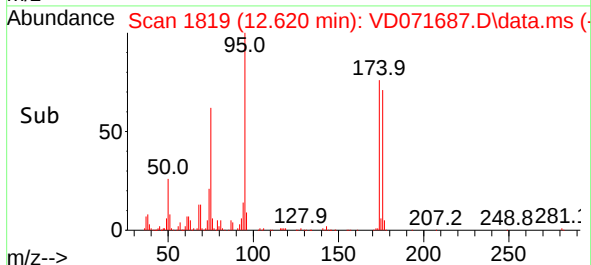
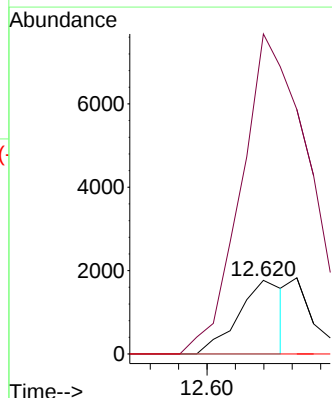
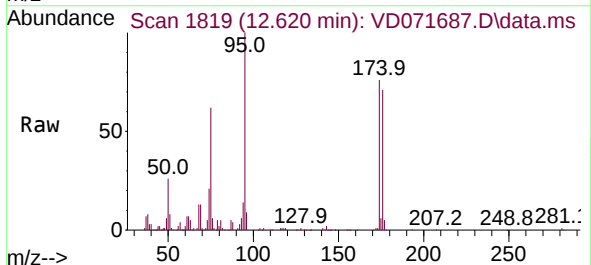
Instrument :
MSVOA_D
ClientSampleId :
TP-3S

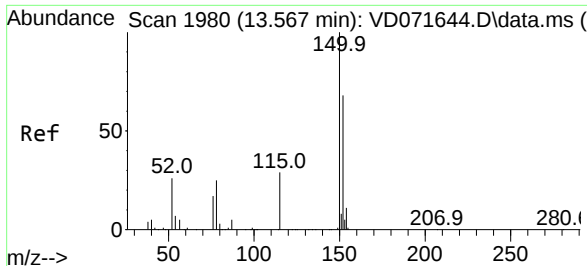
Tgt Ion:117 Resp: 531747
Ion Ratio Lower Upper
117 100
82 58.3 46.9 70.3
119 32.2 26.6 39.8



#71
Bromoform
Concen: 1.040 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071687.D
Acq: 12 Jan 2022 15:37

Tgt Ion:173 Resp: 1960
Ion Ratio Lower Upper
173 100
175 522.1 24.4 73.2#
254 0.0 0.1 0.1#

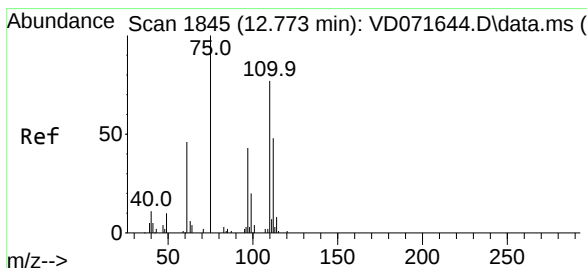
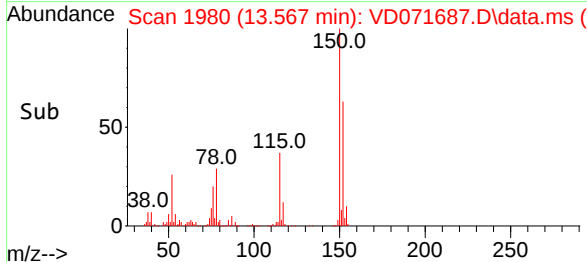
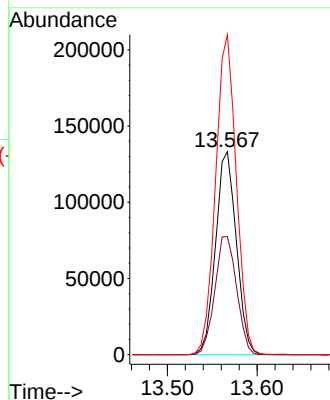
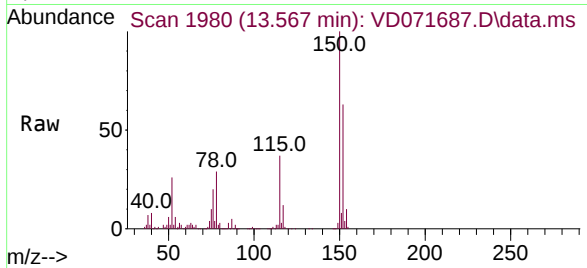




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071687.D
 Acq: 12 Jan 2022 15:37

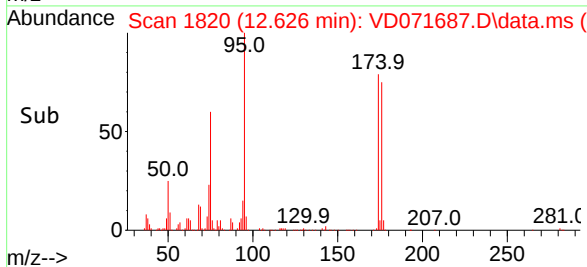
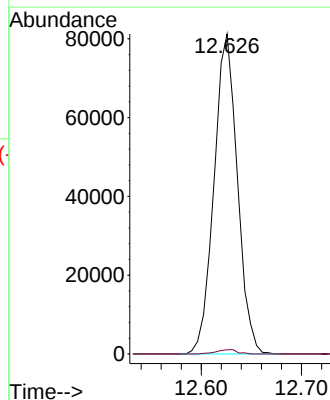
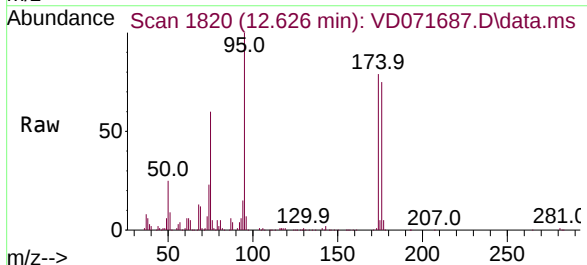
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3S

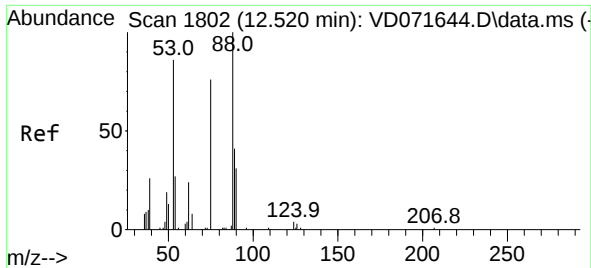
Tgt Ion:152 Resp: 214159
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.5 94.5
 150 157.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 63.499 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071687.D
 Acq: 12 Jan 2022 15:37

Tgt Ion: 75 Resp: 131403
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 177.028 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071687.D
 Acq: 12 Jan 2022 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3S

Tgt Ion: 75 Resp: 131403
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.0 37.2 55.8#

