

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074067.D
 Acq On : 12 Aug 2022 17:18
 Operator : VA/SY
 Sample : N4183-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 23:48:19 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)

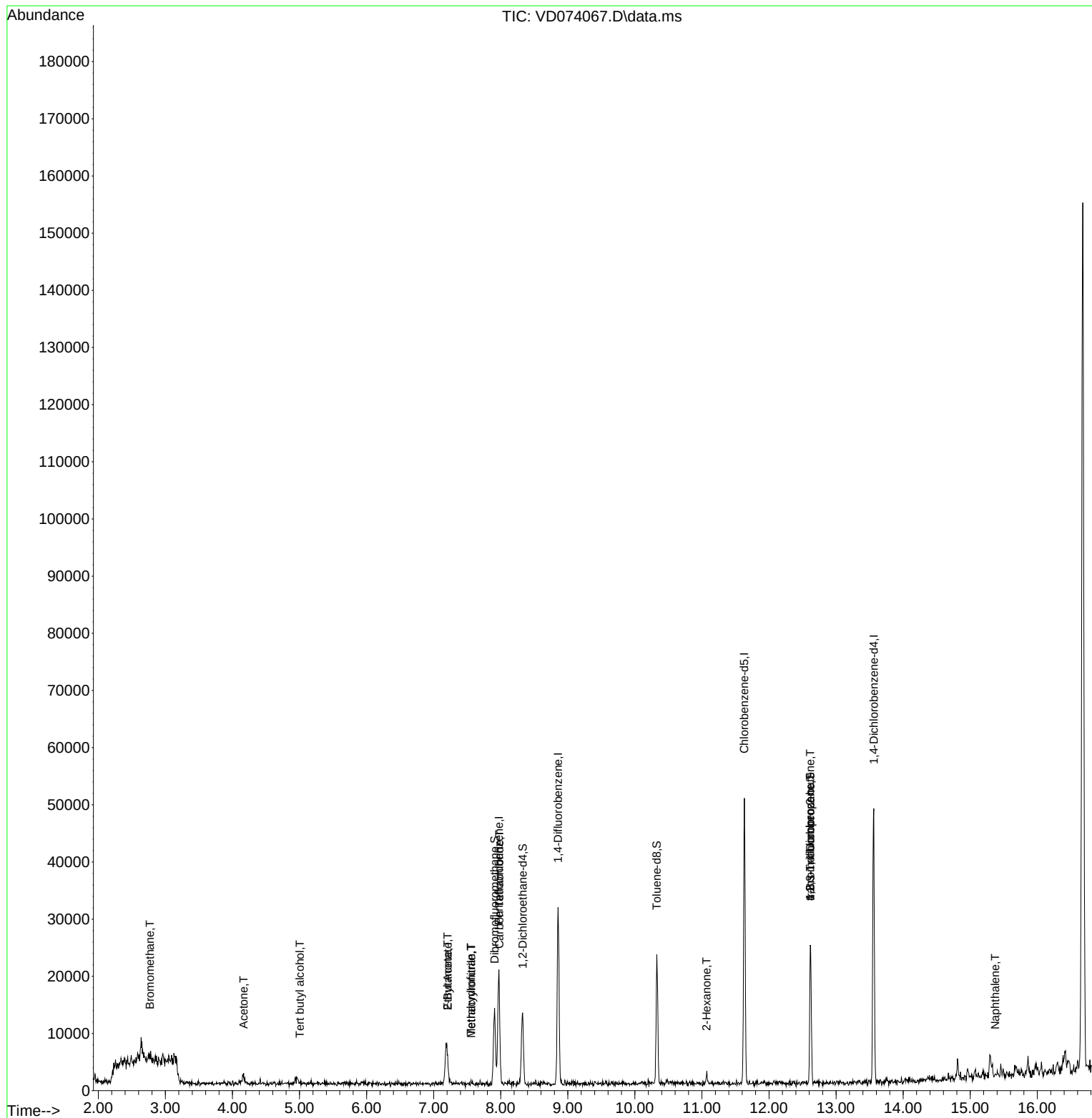
Internal Standards						
1) Pentafluorobenzene	7.973	168	13567	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	24901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	26531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9924	100.179	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	200.360%	#
35) Dibromofluoromethane	7.908	113	8514	51.478	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	102.960%	
50) Toluene-d8	10.326	98	15712	34.566	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	69.140%	
62) 4-Bromofluorobenzene	12.614	95	8142	40.032	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	80.060%	
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	54	Below Cal	#	40
5) Bromomethane	2.768	94	495	2.488	ug/l #	61
11) Tert butyl alcohol	5.003	59	59	15.684	ug/l #	74
16) Acetone	4.168	43	2494	114.888	ug/l #	86
18) Methyl Acetate	4.603	43	90	Below Cal	#	49
25) 2-Butanone	7.209	43	116	3.417	ug/l #	46
29) Tetrahydrofuran	7.556	42	59	2.823	ug/l #	31
37) Ethyl Acetate	7.209	43	116	1.295	ug/l #	1
38) Carbon Tetrachloride	7.979	117	1566	5.519	ug/l #	13
41) Methacrylonitrile	7.561	41	72	1.471	ug/l #	18
59) 2-Hexanone	11.067	43	62	1.052	ug/l #	23
76) 1,2,3-Trichloropropane	12.614	75	4670	39.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	4670	105.532	ug/l #	13
95) Naphthalene	15.373	128	559	1.403	ug/l #	69

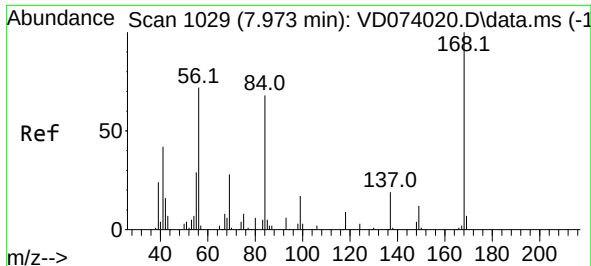
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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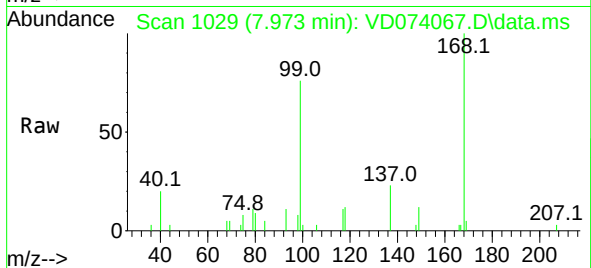
Quant Time: Aug 12 23:48:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration



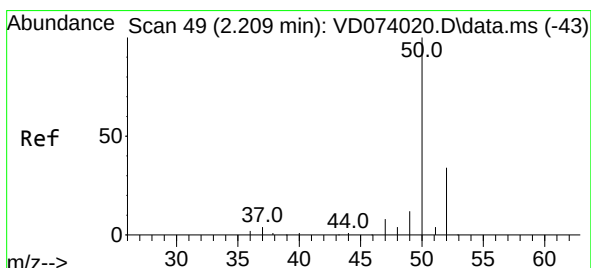
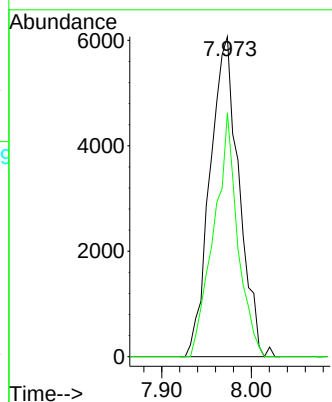
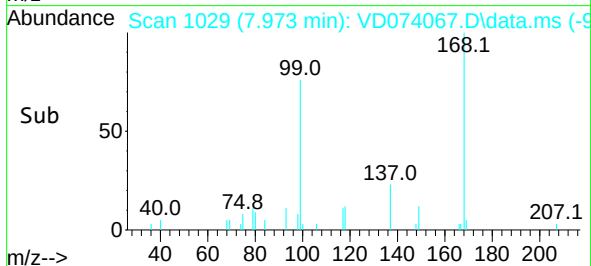


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Instrument :
MSVOA_D
ClientSampleId :

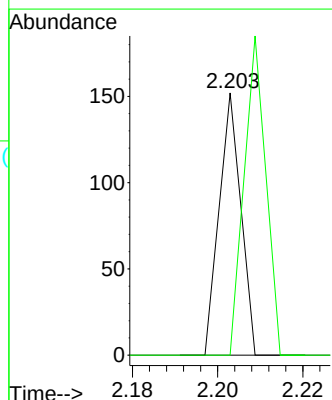
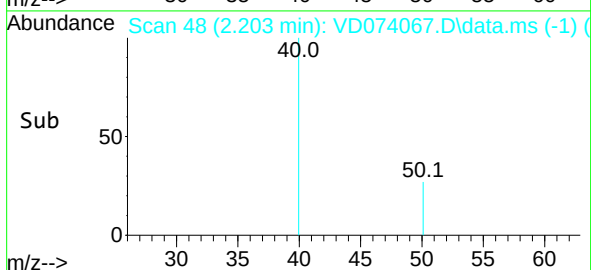
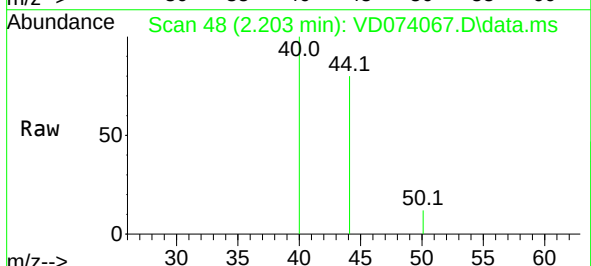


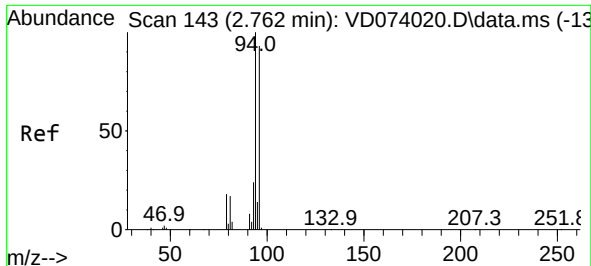
Tgt Ion:168 Resp: 13567
Ion Ratio Lower Upper
168 100
99 76.2 48.3 72.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Tgt Ion: 50 Resp: 54
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#

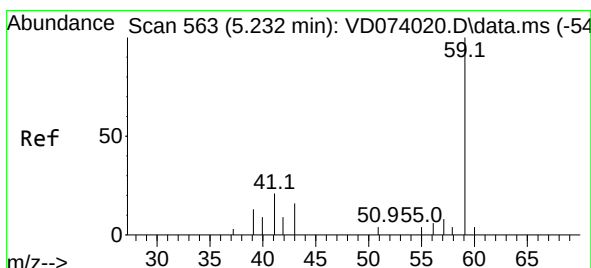
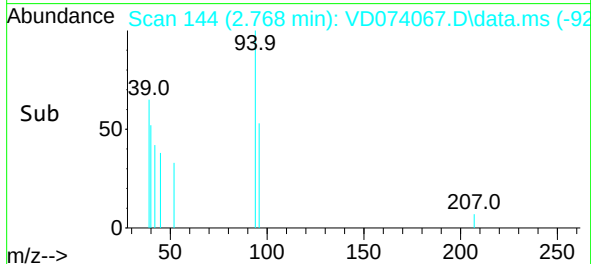
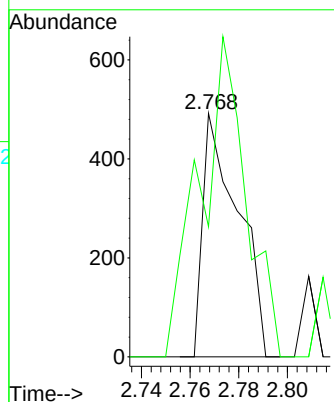
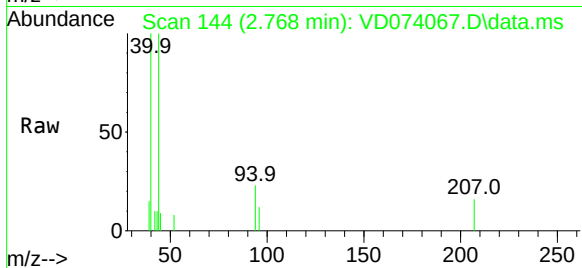




#5
Bromomethane
Concen: 2.488 ug/l
RT: 2.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

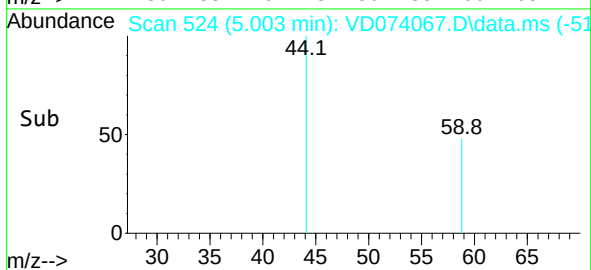
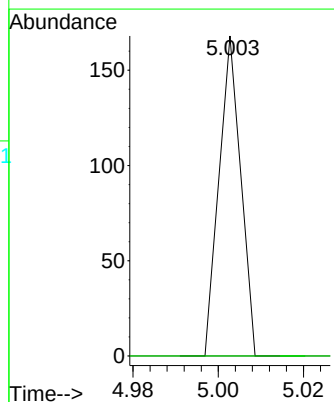
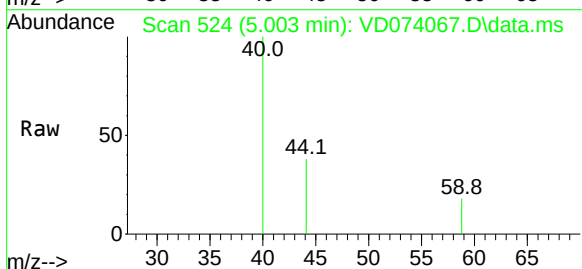
Instrument :
MSVOA_D
ClientSampleId :

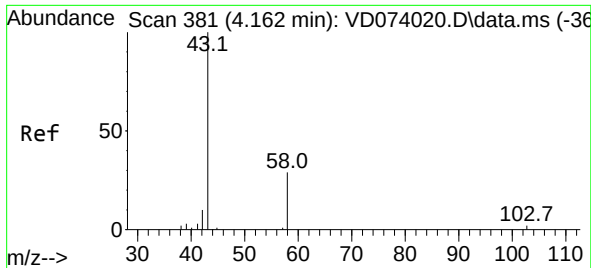
Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 53.5 72.0 108.0#



#11
Tert butyl alcohol
Concen: 15.684 ug/l
RT: 5.003 min Scan# 524
Delta R.T. -0.229 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

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

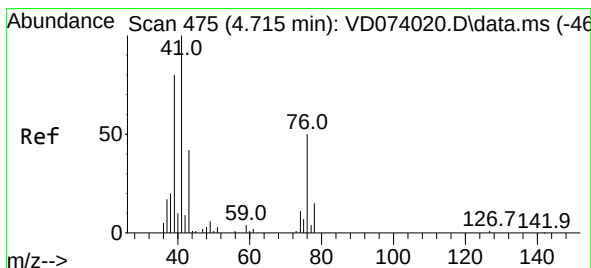
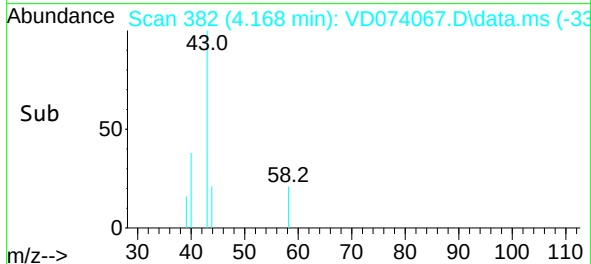
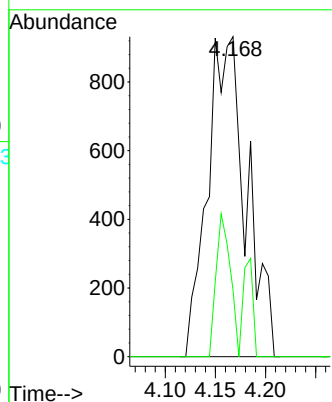
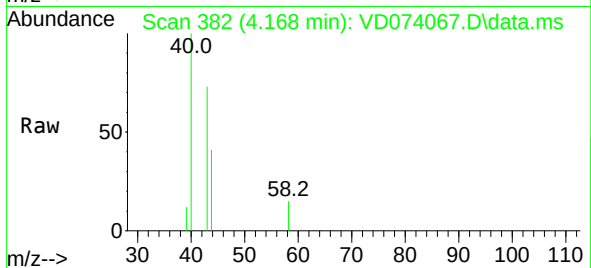




#16
Acetone
Concen: 114.888 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

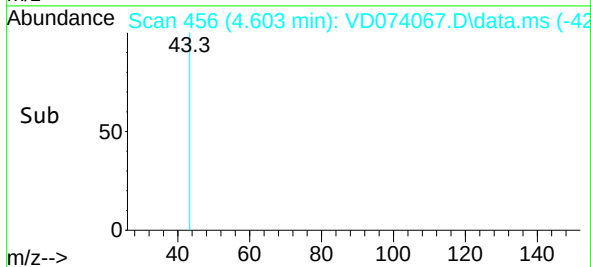
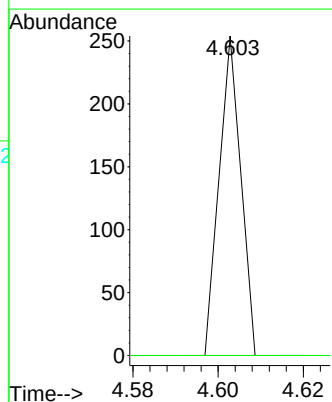
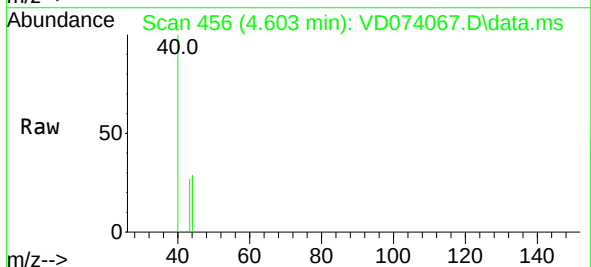
Instrument :
MSVOA_D
ClientSampleId :

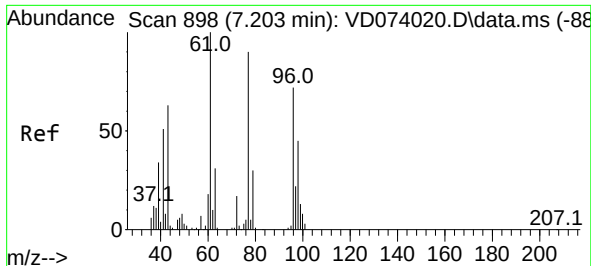
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
58 20.9 22.8 34.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.603 min Scan# 456
Delta R.T. -0.112 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#25

2-Butanone

Concen: 3.417 ug/l

RT: 7.209 min Scan# 89

Delta R.T. 0.006 min

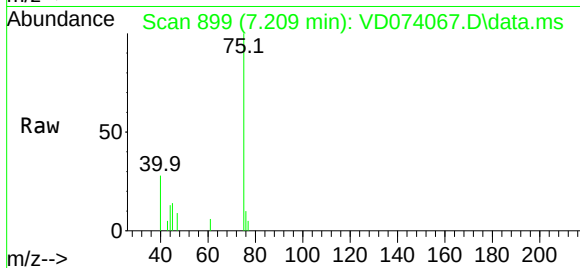
Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

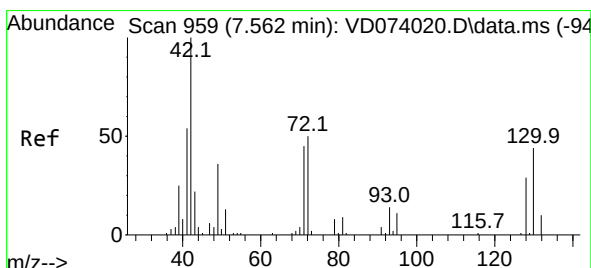
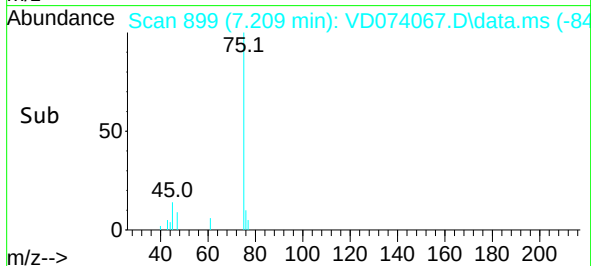
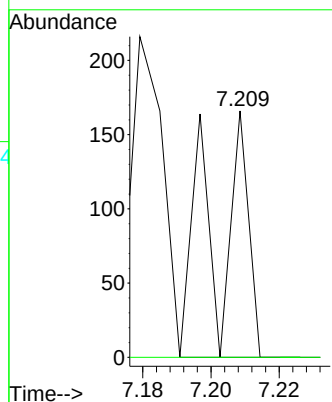


Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#29

Tetrahydrofuran

Concen: 2.823 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

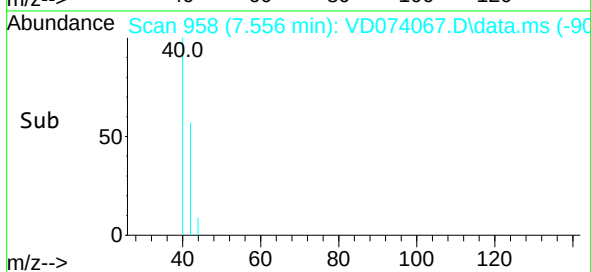
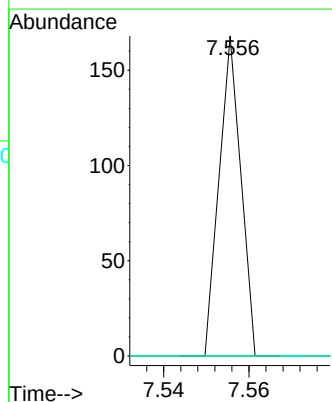
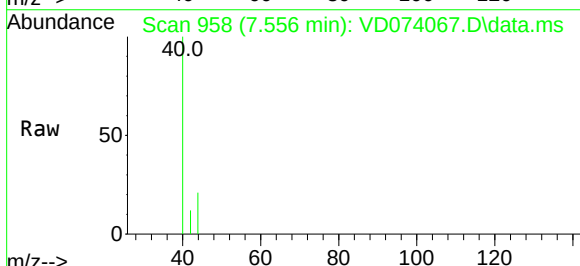
Tgt Ion: 42 Resp: 59

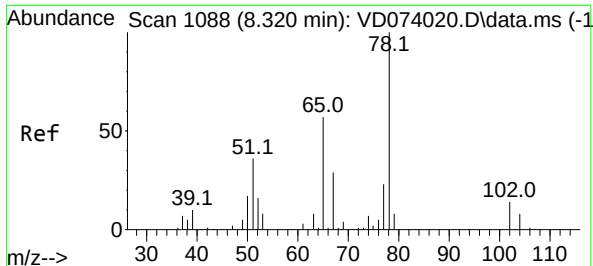
Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.2#

71 0.0 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 100.179 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

Instrument :

MSVOA_D

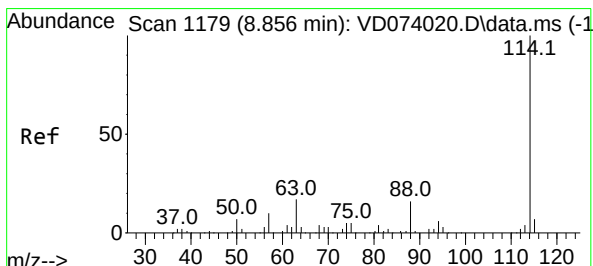
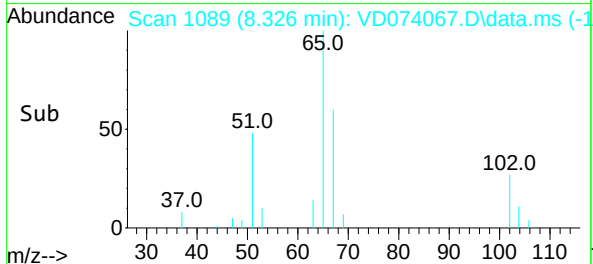
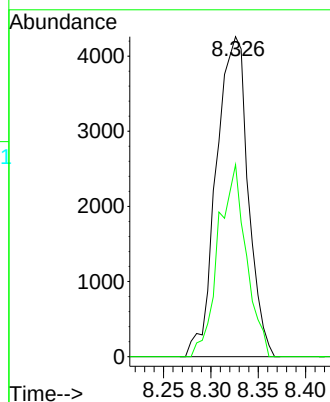
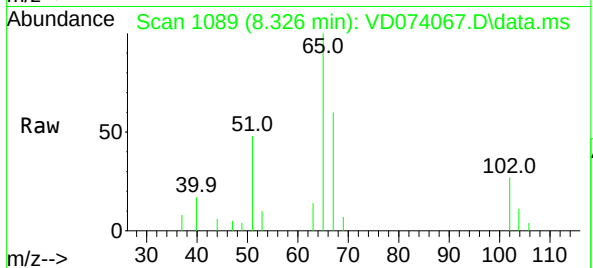
ClientSampleId :

Tgt Ion: 65 Resp: 9924

Ion Ratio Lower Upper

65 100

67 52.9 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: VD074067.D

Acq: 12 Aug 2022 17:18

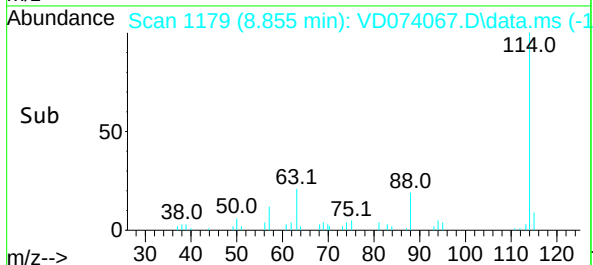
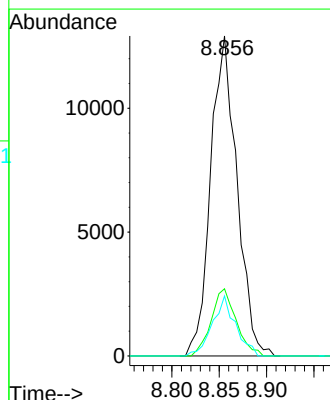
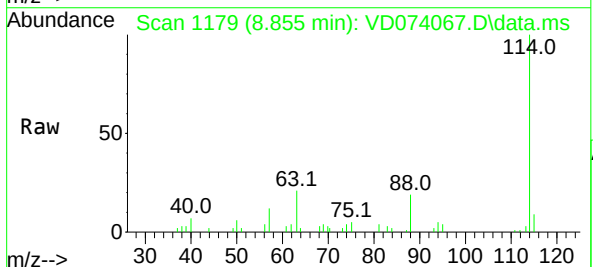
Tgt Ion: 114 Resp: 24901

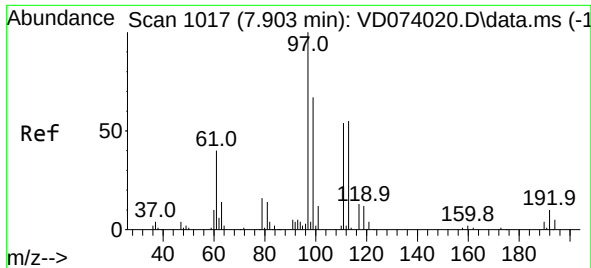
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 18.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.478 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.005 min

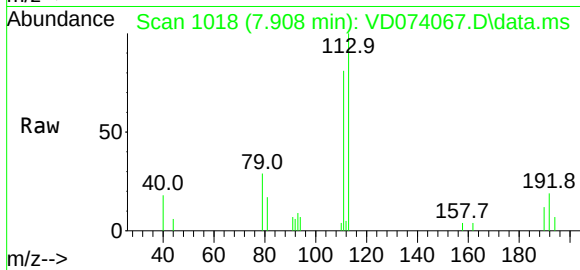
Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

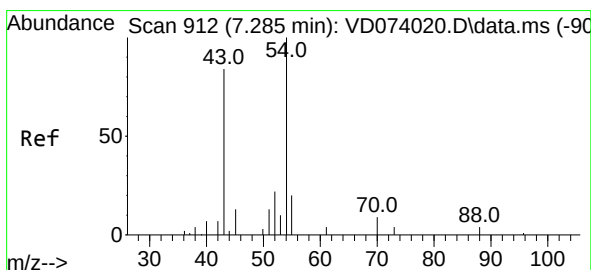
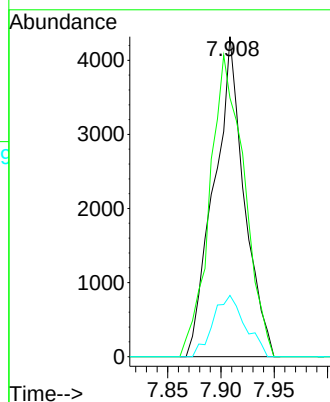
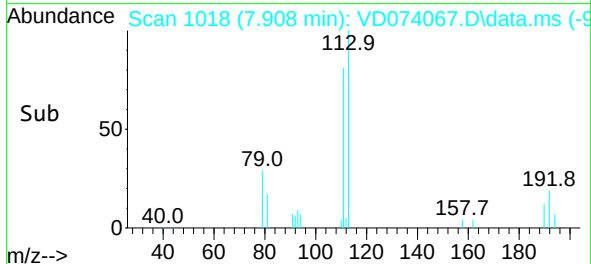
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	8514
Ion	Ratio	Lower	Upper
113	100		
111	107.5	80.0	120.0
192	20.3	14.2	21.4



#37

Ethyl Acetate

Concen: 1.295 ug/l

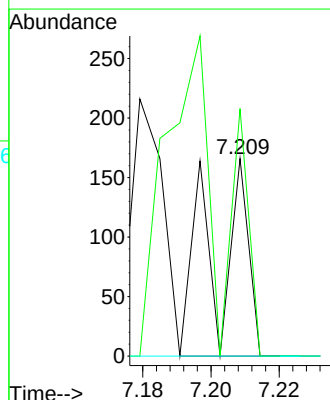
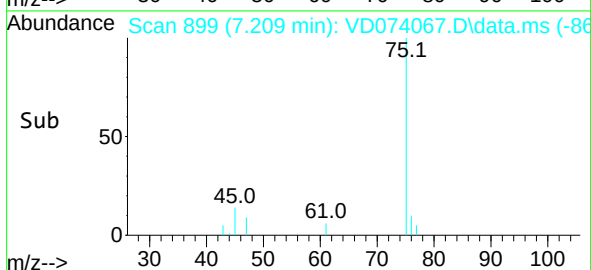
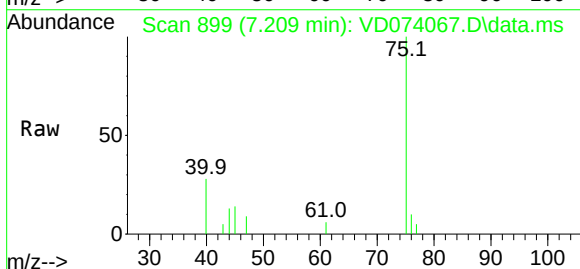
RT: 7.209 min Scan# 899

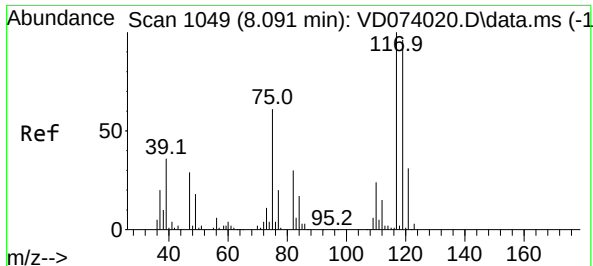
Delta R.T. -0.076 min

Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

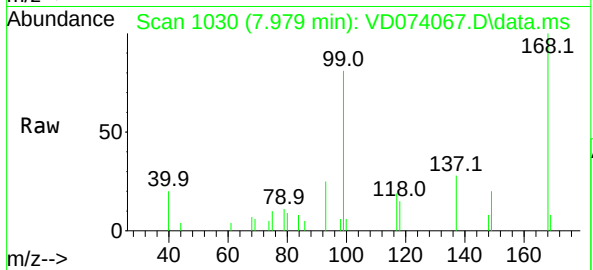
Tgt Ion:	43	Resp:	116
Ion	Ratio	Lower	Upper
43	100		
61	260.3	11.0	16.6#
70	0.0	10.2	15.2#



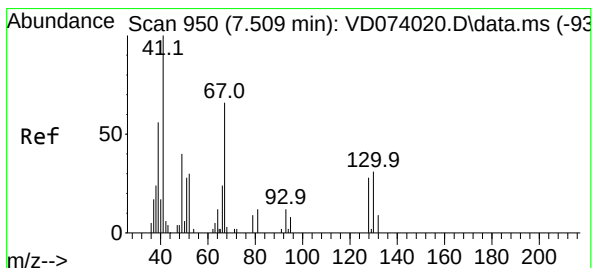
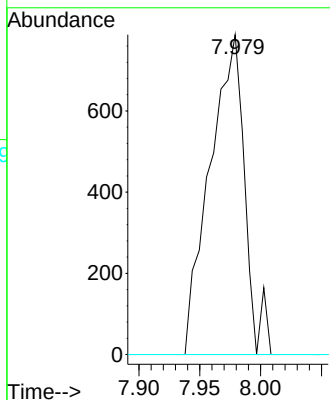
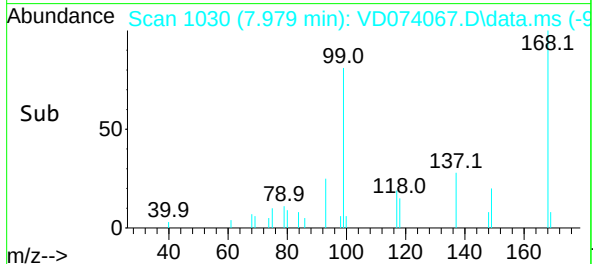


#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

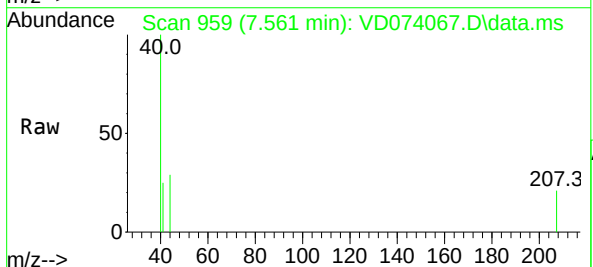
Instrument :
MSVOA_D
ClientSampleId :



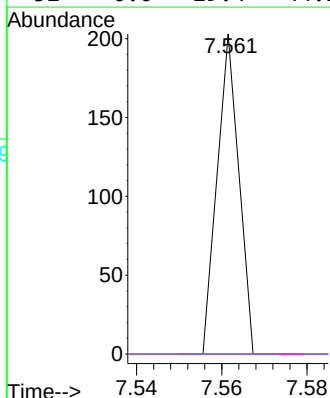
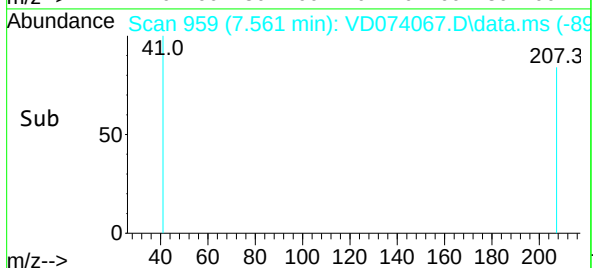
Tgt Ion:117 Resp: 1566
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 25.2 37.8#

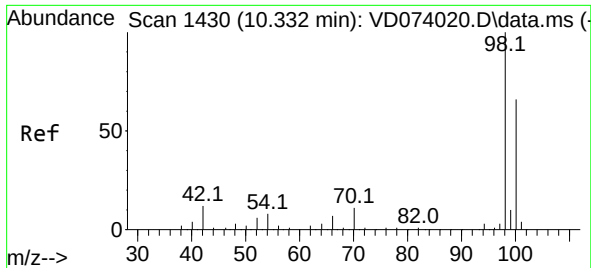


#41
Methacrylonitrile
Concen: 1.471 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.052 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18



Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 48.2 72.4#
67 0.0 66.3 99.5#
52 0.0 29.4 44.2#

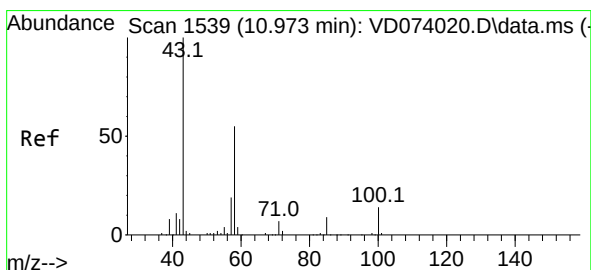
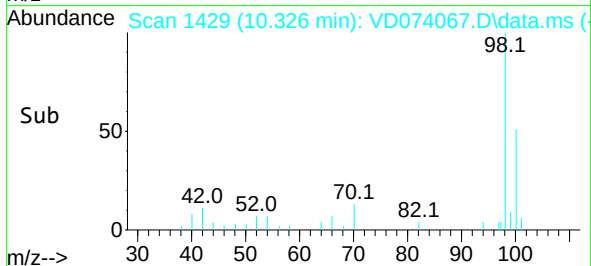
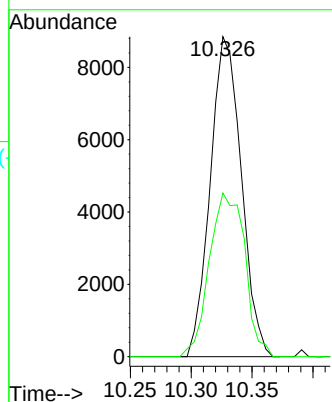
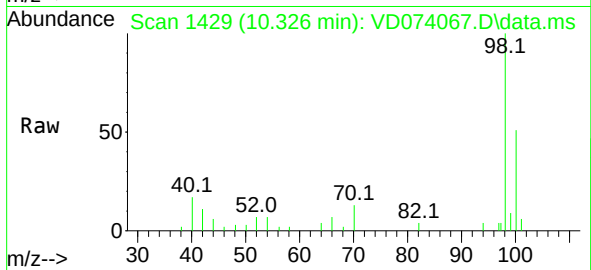




#50
Toluene-d8
Concen: 34.566 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

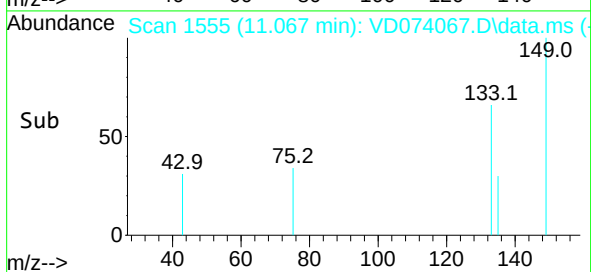
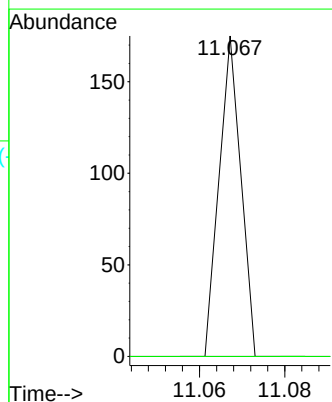
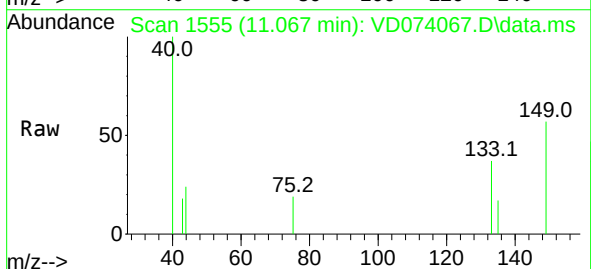
Instrument :
MSVOA_D
ClientSampleId :

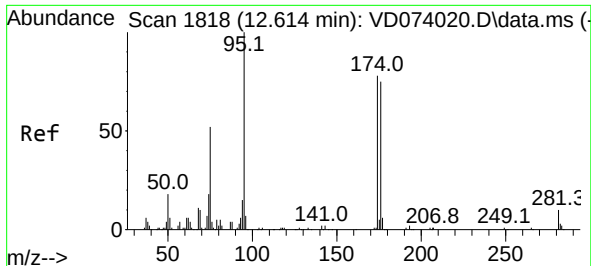
Tgt Ion: 98 Resp: 15712
Ion Ratio Lower Upper
98 100
100 58.3 51.3 76.9



#59
2-Hexanone
Concen: 1.052 ug/l
RT: 11.067 min Scan# 1555
Delta R.T. 0.094 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

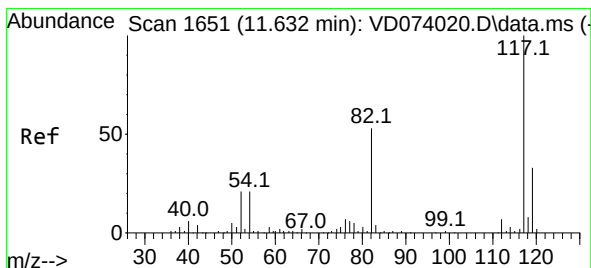
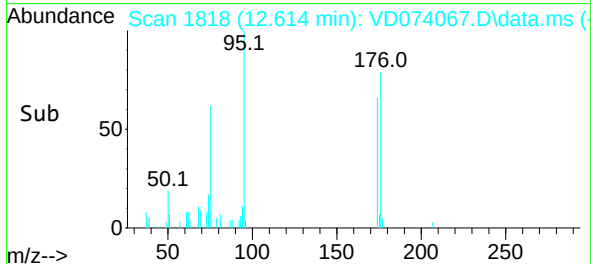
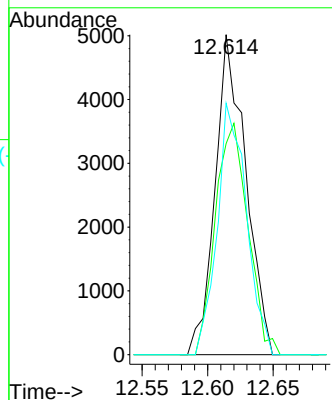
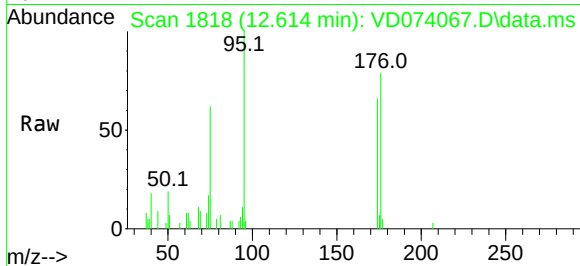




#62
4-Bromofluorobenzene
Concen: 40.032 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

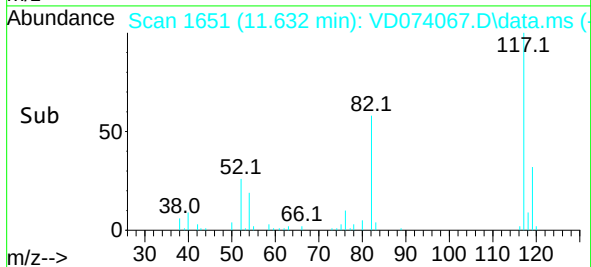
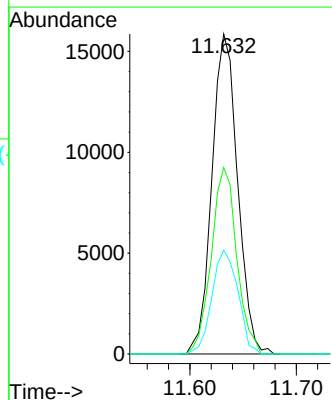
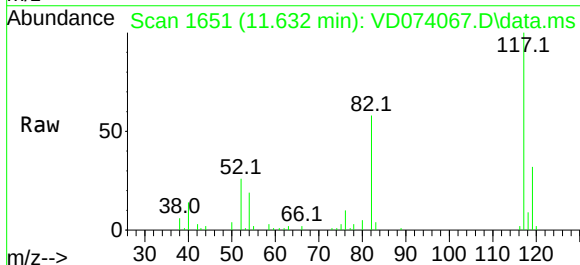
Instrument :
MSVOA_D
ClientSampleId :

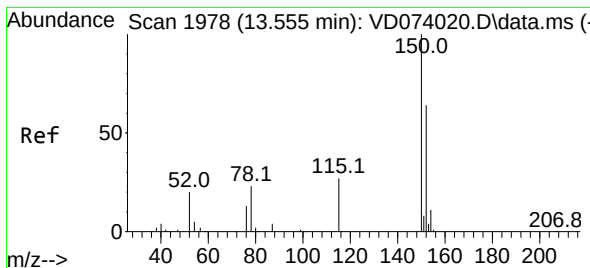
Tgt Ion:	95	Resp:	8142
Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	162.6
176	74.9	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Tgt Ion:	117	Resp:	26531
Ion	Ratio	Lower	Upper
117	100		
82	58.3	42.7	64.1
119	32.5	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1978

Delta R.T. 0.006 min

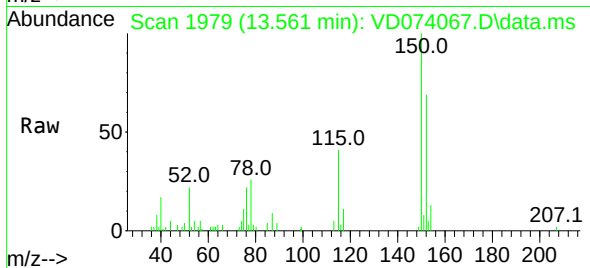
Lab File: VD074067.D

Acq: 12 Aug 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :



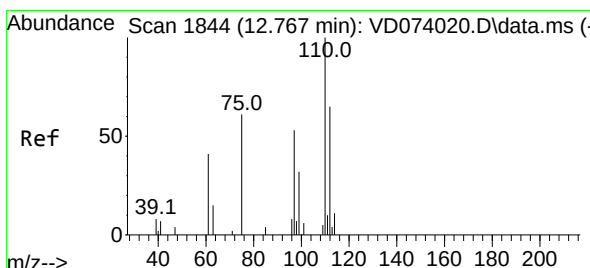
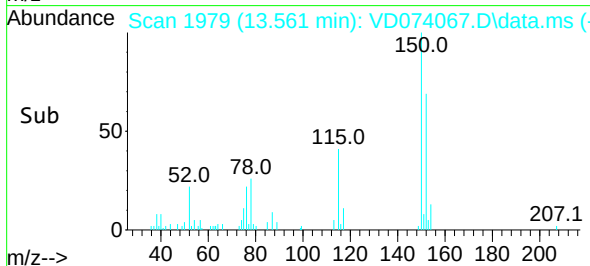
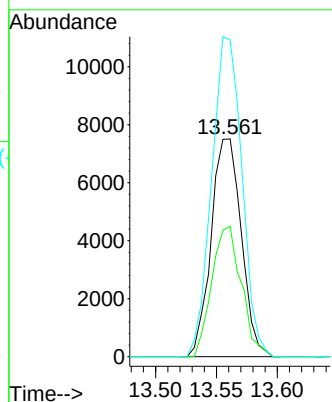
Tgt Ion:152 Resp: 12936

Ion Ratio Lower Upper

152 100

115 58.6 29.9 89.8

150 147.5 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 39.540 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. -0.153 min

Lab File: VD074067.D

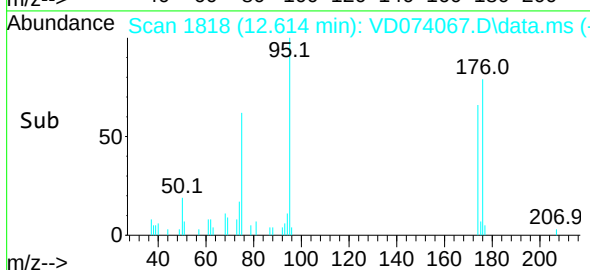
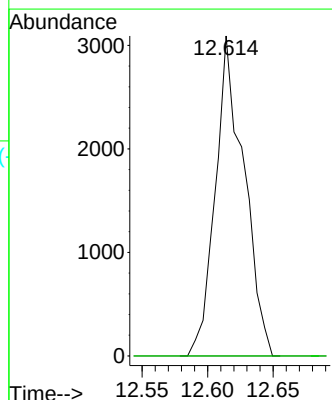
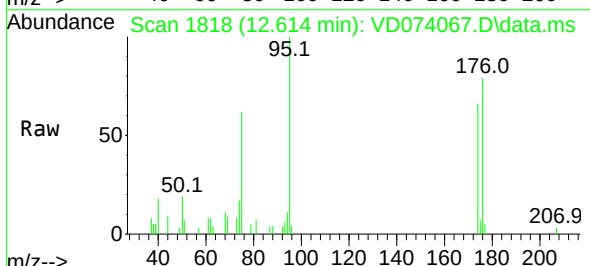
Acq: 12 Aug 2022 17:18

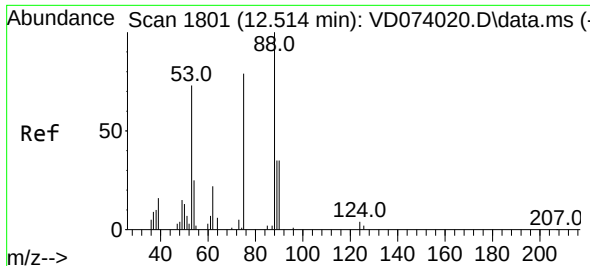
Tgt Ion: 75 Resp: 4670

Ion Ratio Lower Upper

75 100

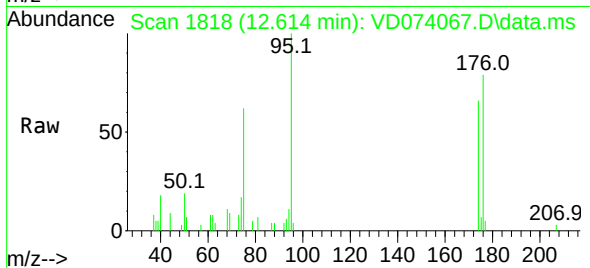
77 0.0 0.0 0.0



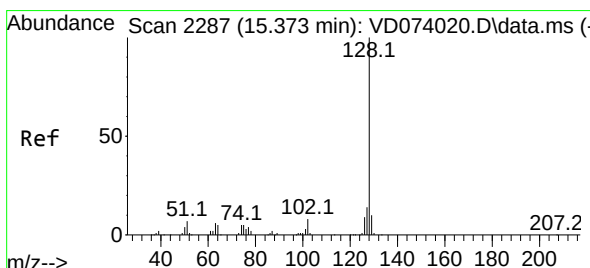
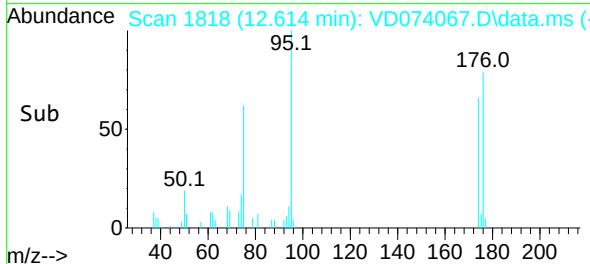
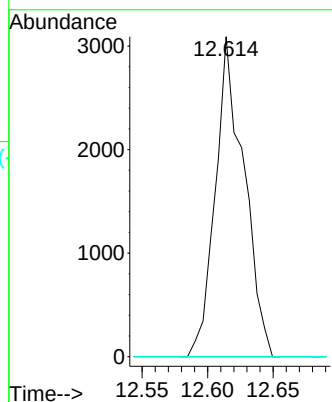


#81
trans-1,4-Dichloro-2-butene
Concen: 105.532 ug/l
RT: 12.614 min Scan# 1801
Delta R.T. 0.100 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 4670
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 1.403 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VD074067.D
Acq: 12 Aug 2022 17:18

Tgt Ion: 128 Resp: 559
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.5 12.7#

