

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074110.D
 Acq On : 16 Aug 2022 19:18
 Operator : VA/SY
 Sample : N4189-11RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB17

Quant Time: Aug 16 20:53:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

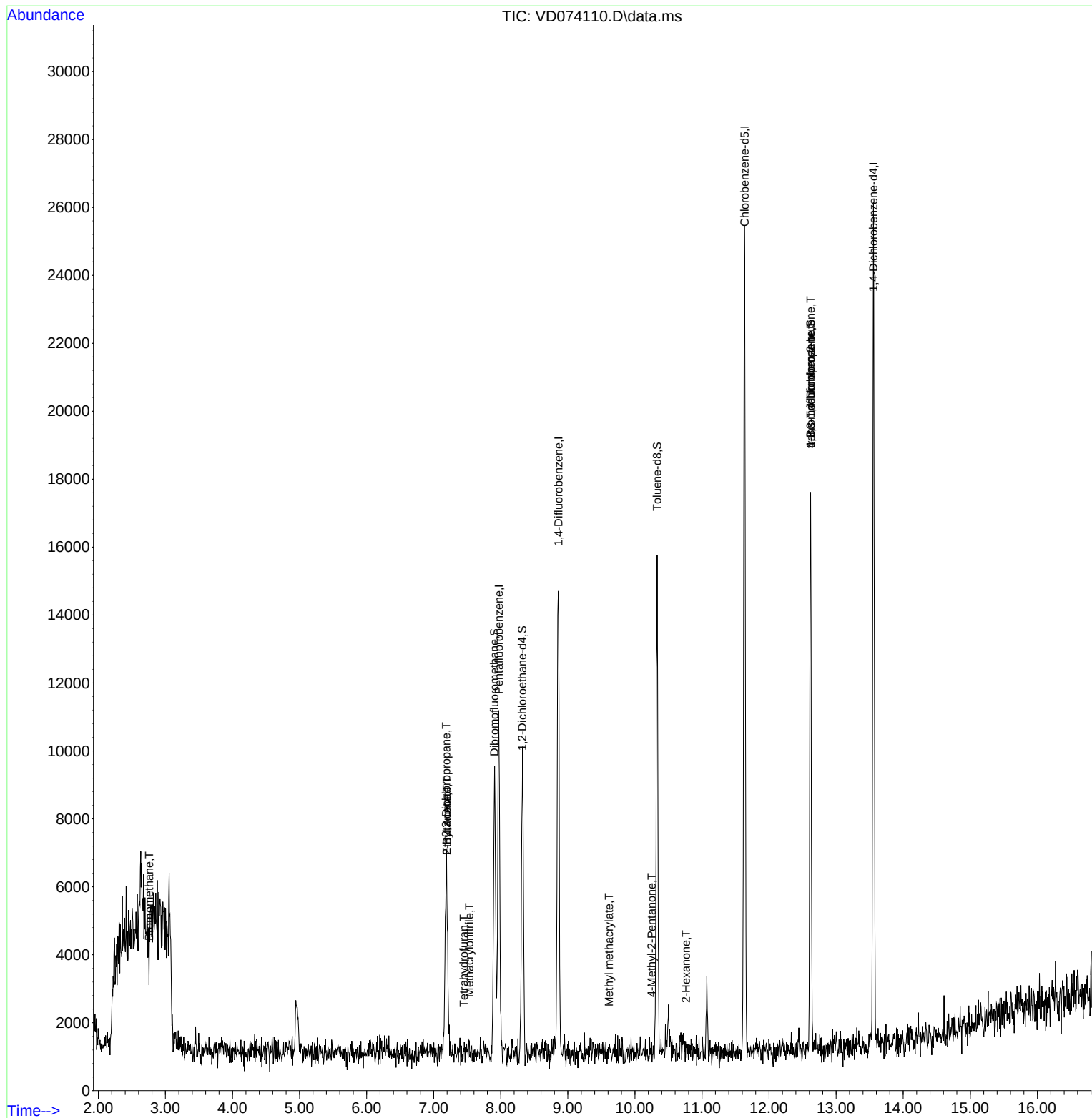
Internal Standards						
1) Pentafluorobenzene	7.973	168	7529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	12675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	14392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	6377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	6324	124.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 248.060%#	
35) Dibromofluoromethane	7.902	113	6088	75.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 150.320%#	
50) Toluene-d8	10.332	98	9670	39.322	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.640%	
62) 4-Bromofluorobenzene	12.620	95	5186	51.068	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.140%	
Target Compounds						
						Qvalue
3) Chloromethane	2.197	50	238	Below Cal	#	40
5) Bromomethane	2.756	94	139	1.565	ug/l #	1
6) Chloroethane	2.867	64	55	Below Cal	#	42
16) Acetone	4.150	43	66	Below Cal	#	47
18) Methyl Acetate	4.644	43	55	Below Cal	#	55
20) Methylene Chloride	4.967	84	628	Below Cal	#	59
25) 2-Butanone	7.197	43	99	5.144	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	156	1.149	ug/l #	54
29) Tetrahydrofuran	7.449	42	63	5.991	ug/l #	38
31) Cyclohexane	7.967	56	65	Below Cal	#	7
37) Ethyl Acetate	7.197	43	99	2.260	ug/l #	2
41) Methacrylonitrile	7.532	41	54	2.439	ug/l #	27
48) Methyl methacrylate	9.614	41	62	1.687	ug/l #	19
51) 4-Methyl-2-Pentanone	10.249	43	62	1.506	ug/l #	39
59) 2-Hexanone	10.761	43	58	2.061	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	3333	58.655	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	3333	163.581	ug/l #	7

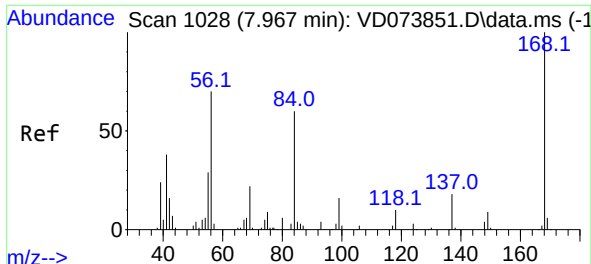
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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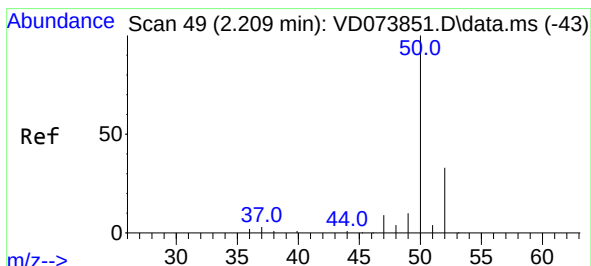
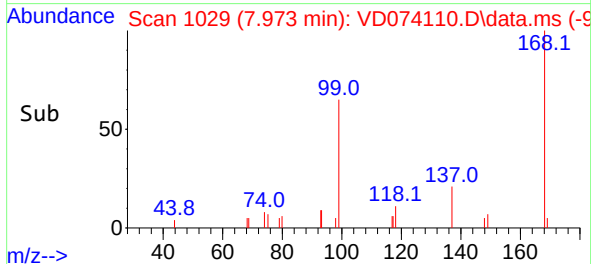
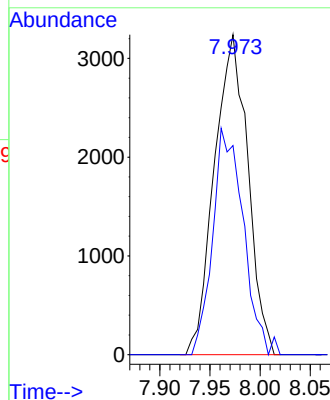
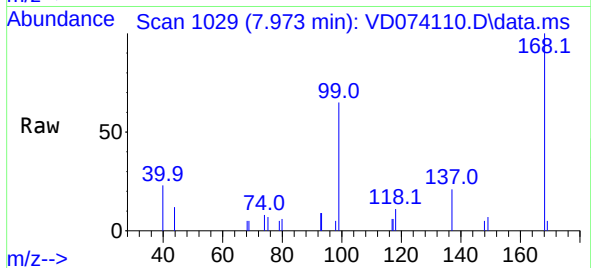




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

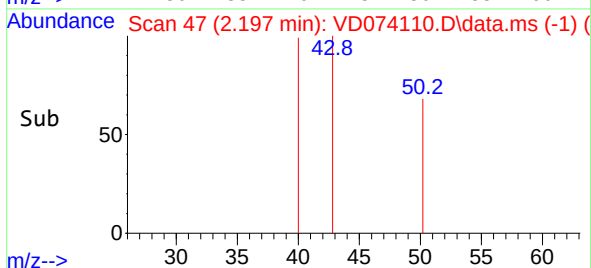
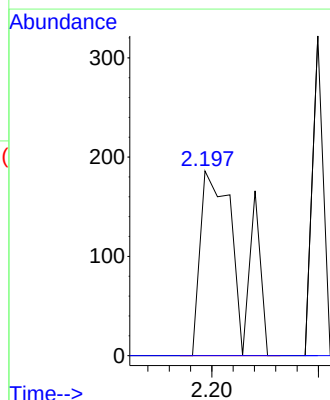
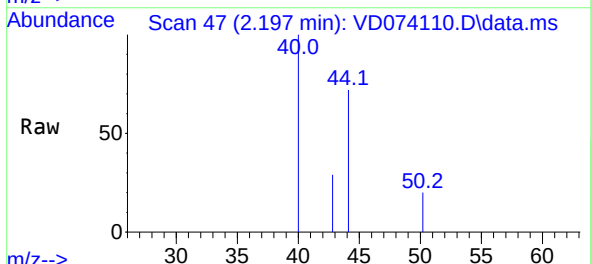
Instrument :
MSVOA_D
ClientSampleId :
SB17

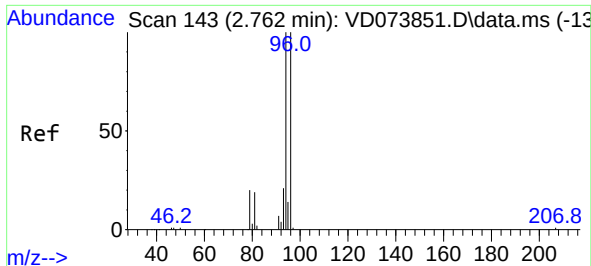
Tgt Ion:168 Resp: 7529
Ion Ratio Lower Upper
168 100
99 65.3 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

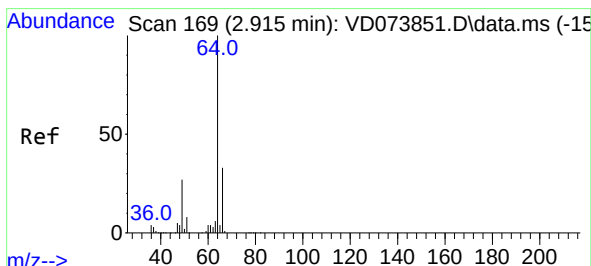
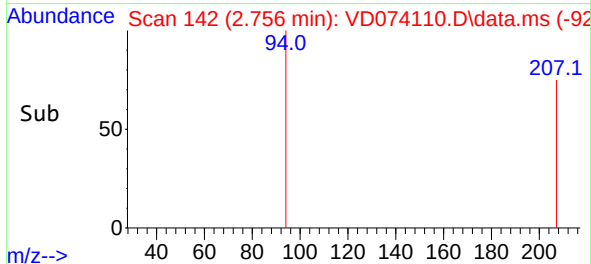
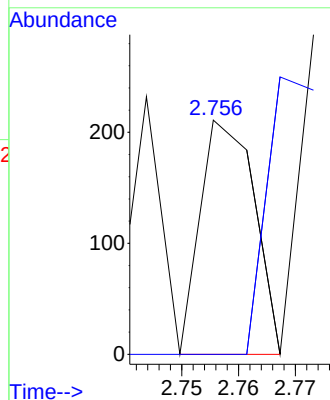
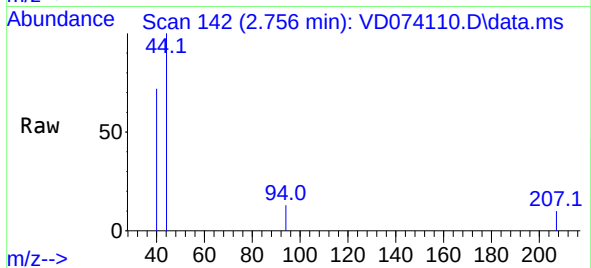




#5
Bromomethane
Concen: 1.565 ug/l
RT: 2.756 min Scan# 141
Delta R.T. -0.006 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

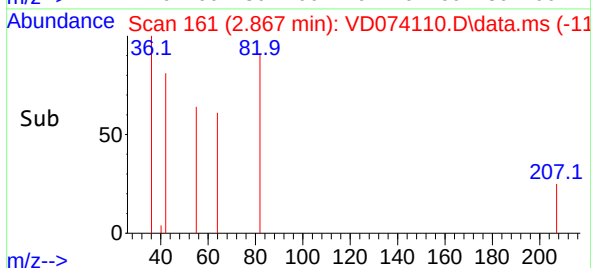
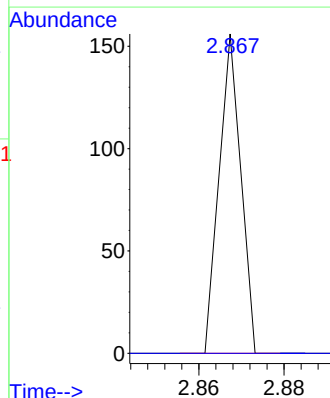
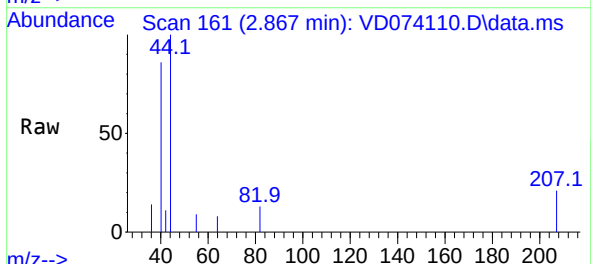
Instrument :
MSVOA_D
ClientSampleId :
SB17

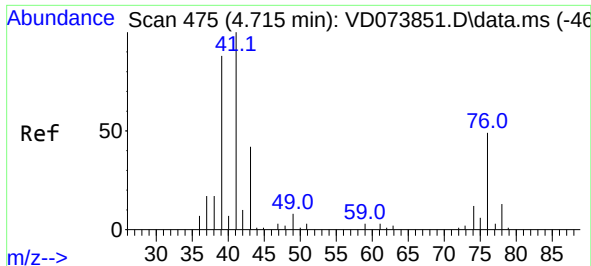
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#6
Chloroethane
Concen: Below Cal
RT: 2.867 min Scan# 161
Delta R.T. -0.048 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.644 min Scan# 4

Delta R.T. -0.071 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

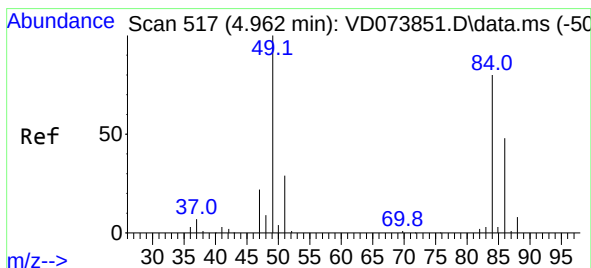
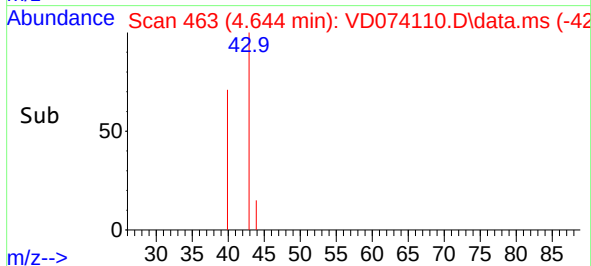
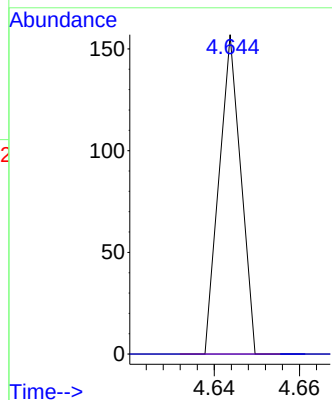
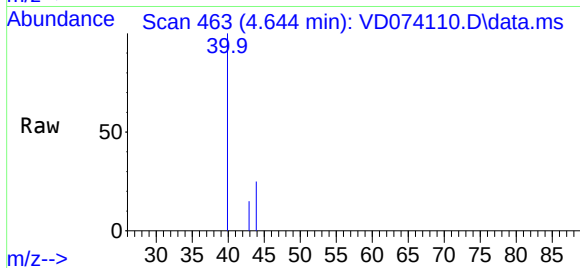
SB17

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

Tgt Ion: 84 Resp: 628

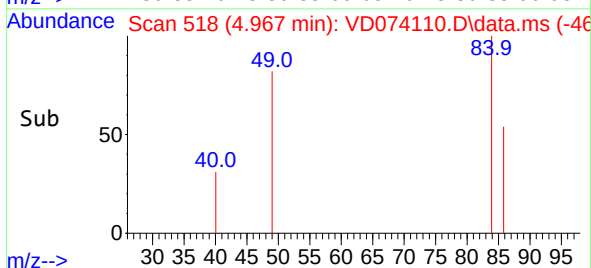
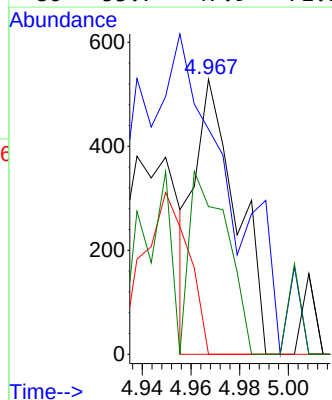
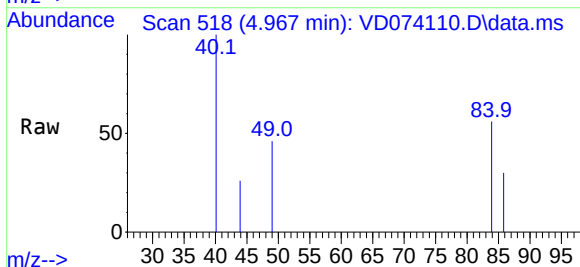
Ion Ratio Lower Upper

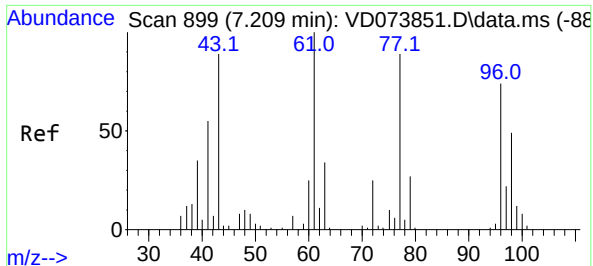
84 100

49 81.9 112.8 169.2#

51 0.0 32.6 48.8#

86 53.7 47.9 71.9

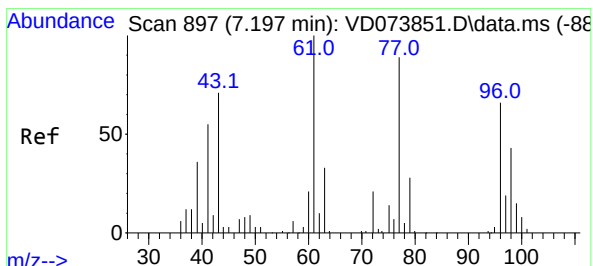
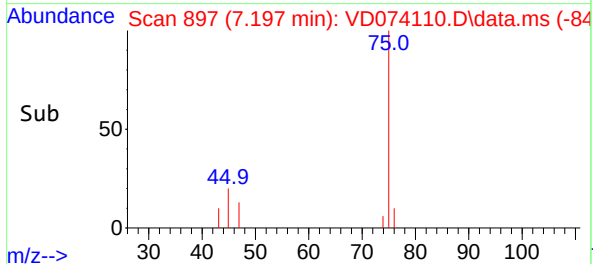
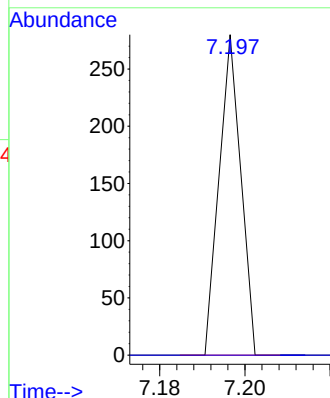
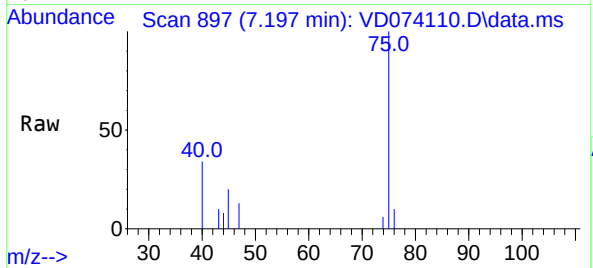




#25
2-Butanone
Concen: 5.144 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

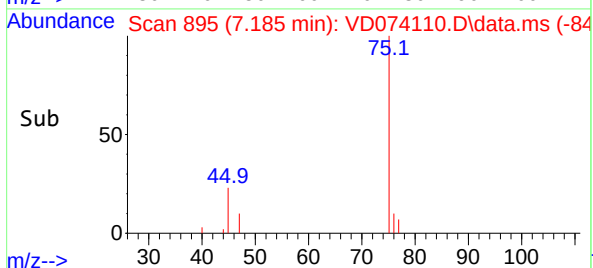
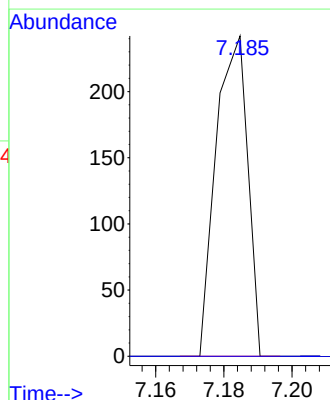
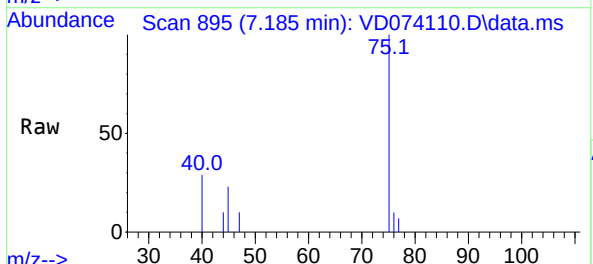
Instrument : MSVOA_D
ClientSampleId : SB17

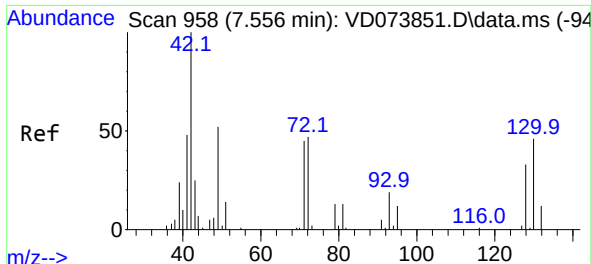
Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 1.149 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.012 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 77 Resp: 156
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 5.991 ug/l

RT: 7.449 min Scan# 94

Delta R.T. -0.107 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

SB17

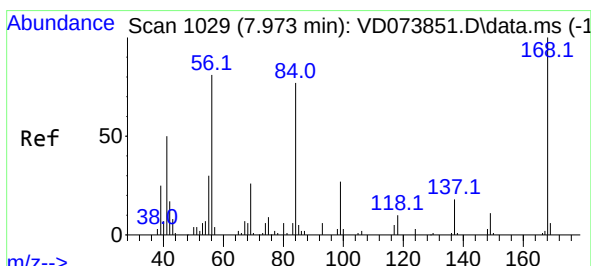
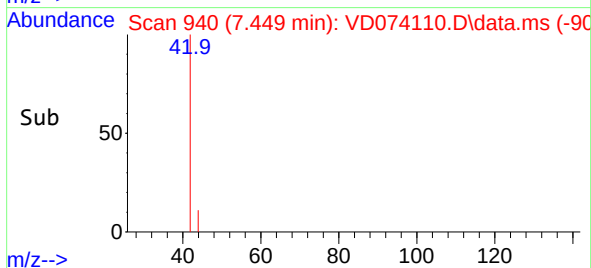
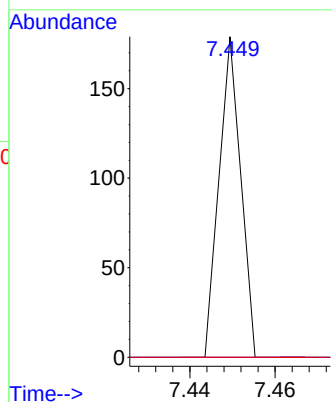
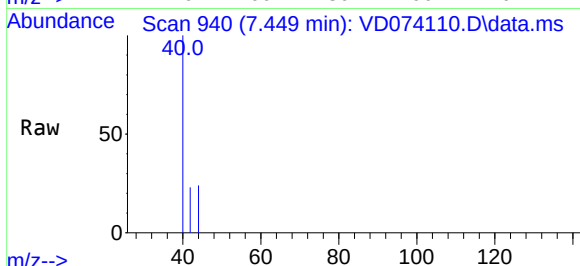
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

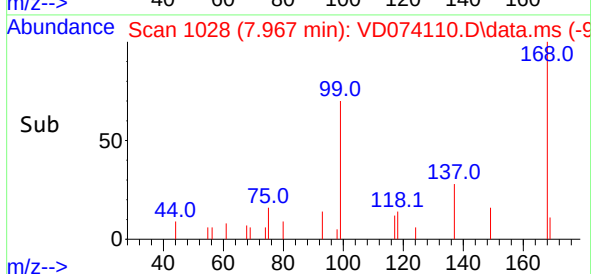
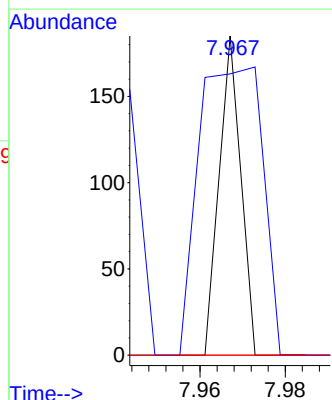
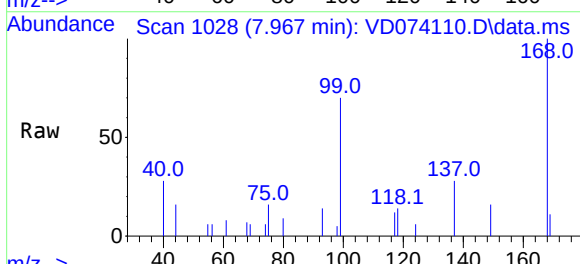
Tgt Ion: 56 Resp: 65

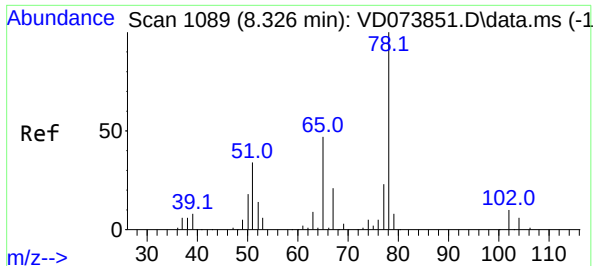
Ion Ratio Lower Upper

56 100

69 88.1 25.4 38.2#

84 0.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 124.027 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

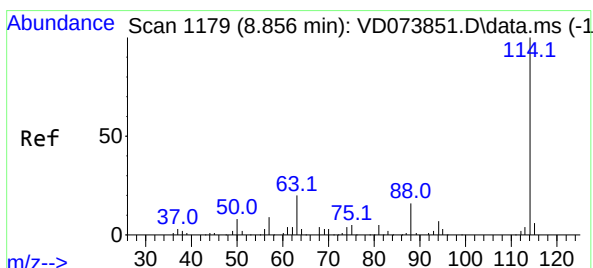
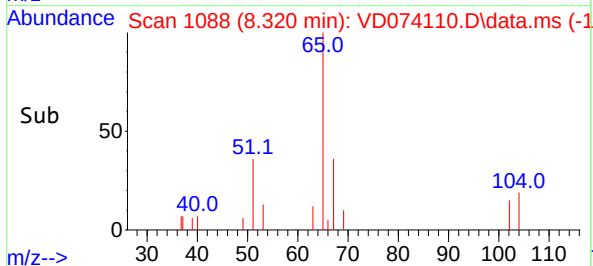
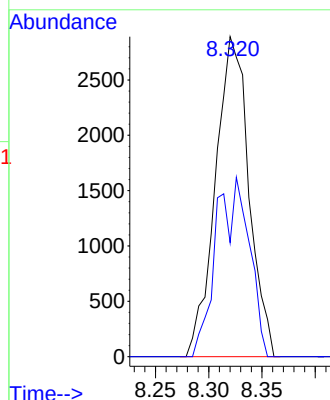
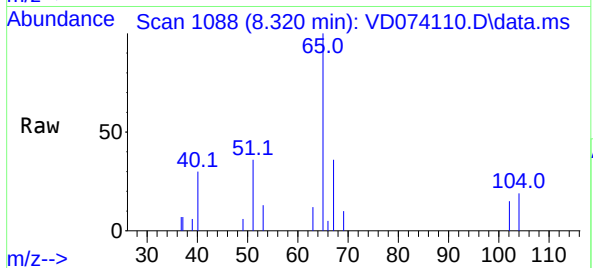
SB17

Tgt Ion: 65 Resp: 6324

Ion Ratio Lower Upper

65 100

67 27.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD074110.D

Acq: 16 Aug 2022 19:18

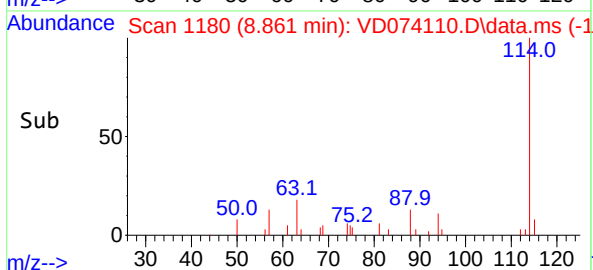
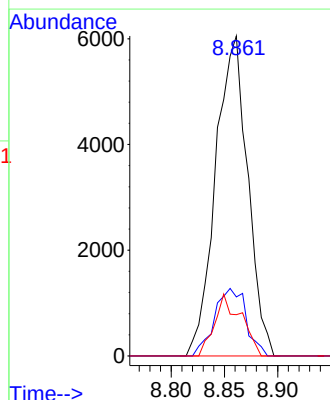
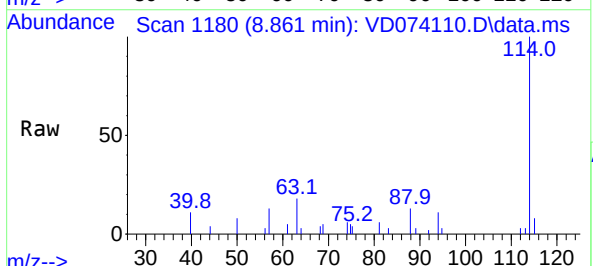
Tgt Ion: 114 Resp: 12675

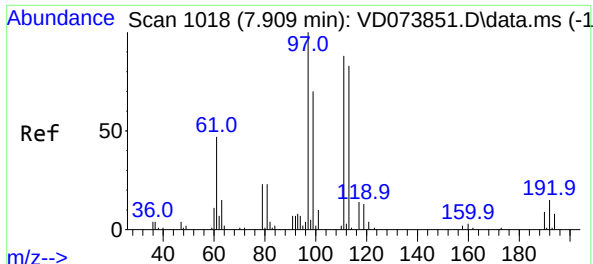
Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 12.9 0.0 33.2

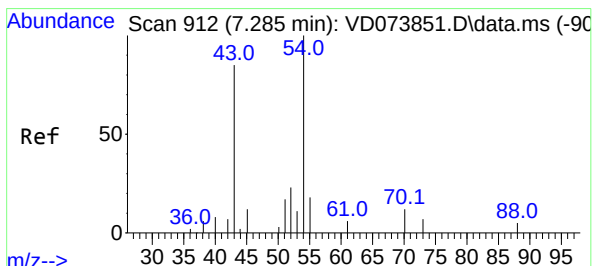
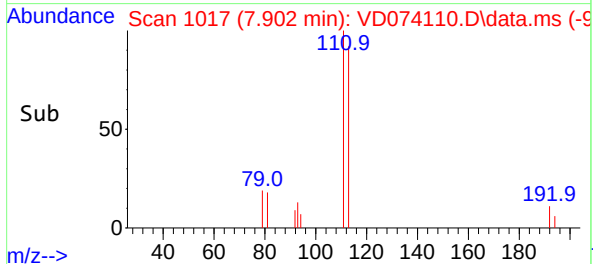
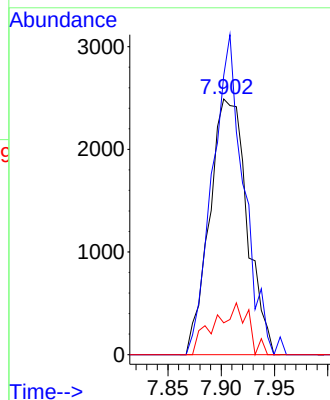
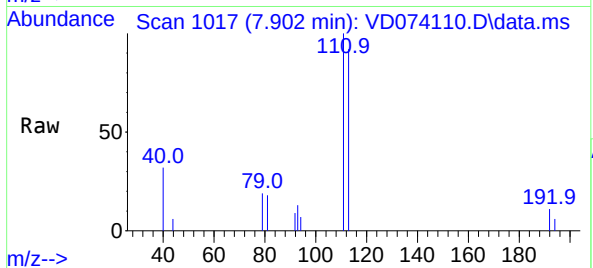




#35
Dibromofluoromethane
Concen: 75.165 ug/l
RT: 7.902 min Scan# 1018
Delta R.T. -0.007 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

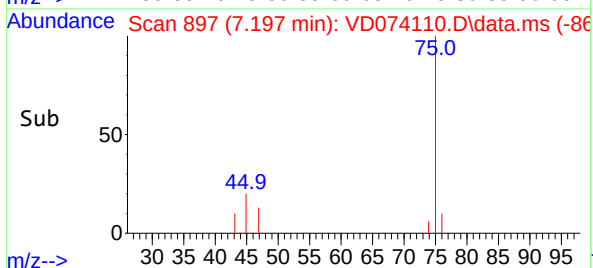
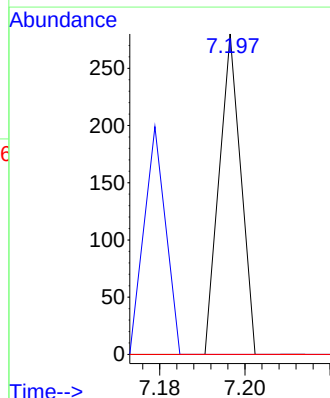
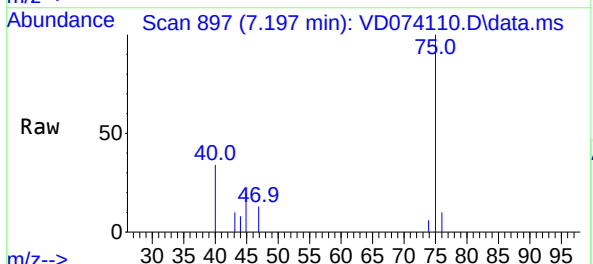
Instrument :
MSVOA_D
ClientSampleId :
SB17

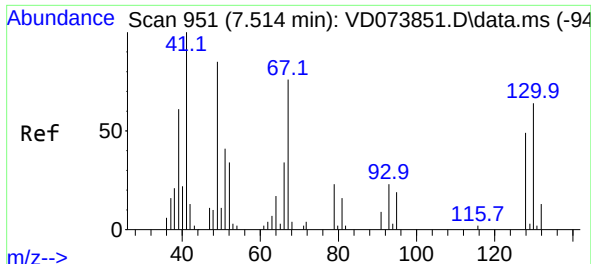
Tgt Ion:	113	Resp:	6088
Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.8	125.6
192	18.3	14.6	21.8



#37
Ethyl Acetate
Concen: 2.260 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.088 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion:	43	Resp:	99
Ion	Ratio	Lower	Upper
43	100		
61	70.7	9.8	14.8#
70	0.0	6.9	10.3#

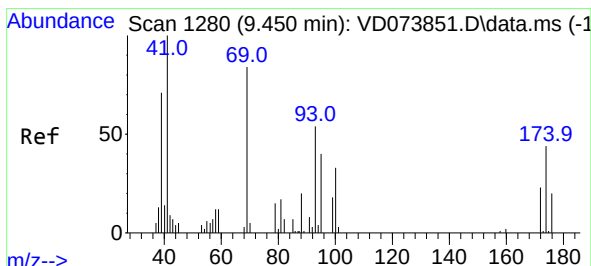
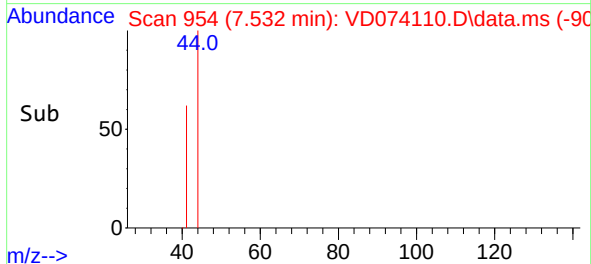
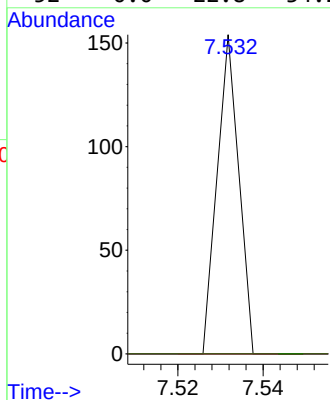
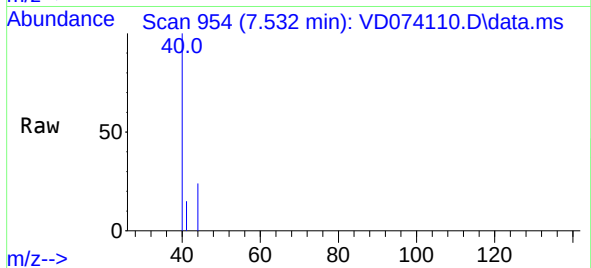




#41
Methacrylonitrile
Concen: 2.439 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

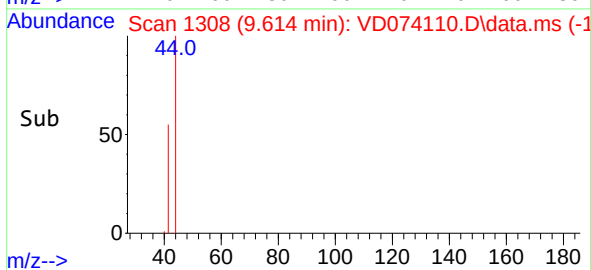
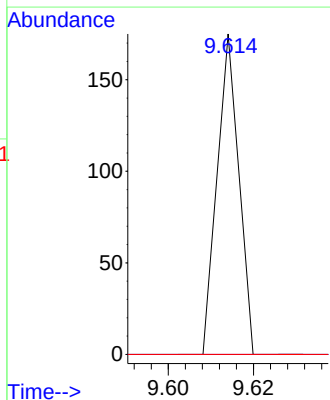
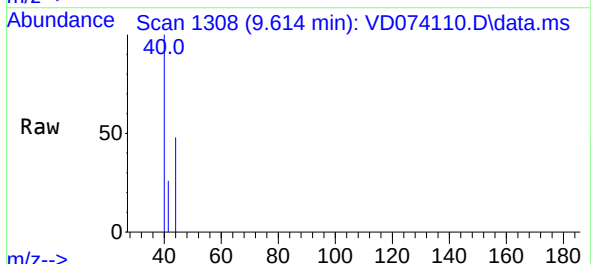
Instrument :
MSVOA_D
ClientSampleId :
SB17

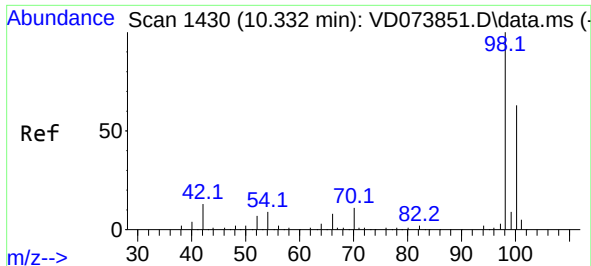
Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#48
Methyl methacrylate
Concen: 1.687 ug/l
RT: 9.614 min Scan# 1308
Delta R.T. 0.164 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion:	41	Resp:	62
Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	42.7	64.1#

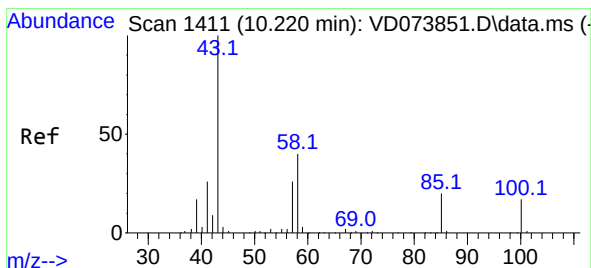
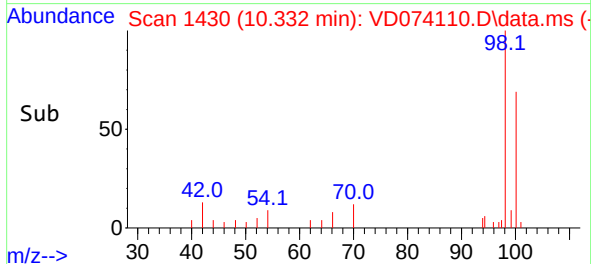
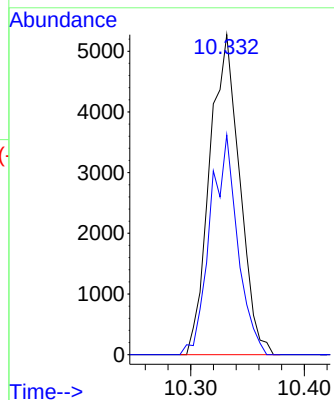
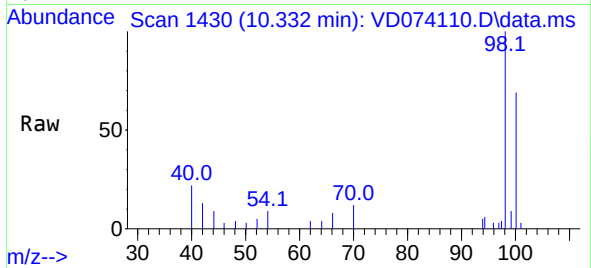




#50
Toluene-d8
Concen: 39.322 ug/l
RT: 10.332 min Scan# 1416
Delta R.T. -0.000 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

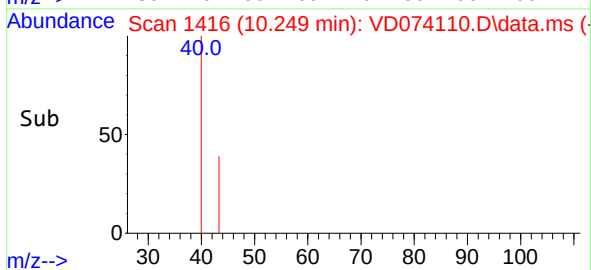
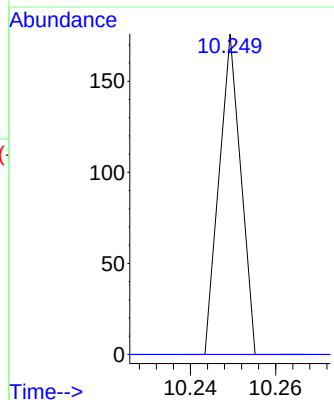
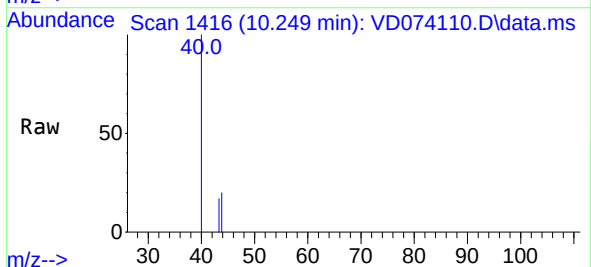
Instrument :
MSVOA_D
ClientSampleId :
SB17

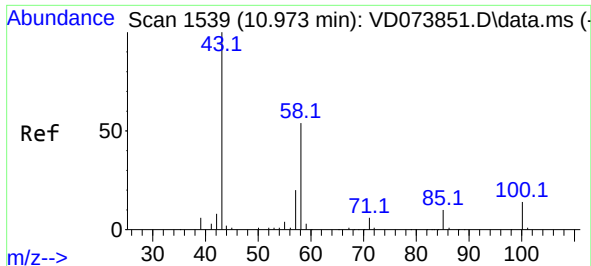
Tgt Ion: 98 Resp: 9670
Ion Ratio Lower Upper
98 100
100 63.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.506 ug/l
RT: 10.249 min Scan# 1416
Delta R.T. 0.029 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

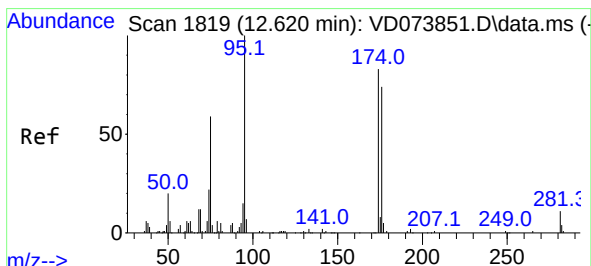
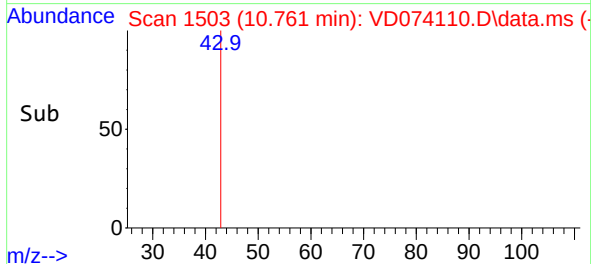
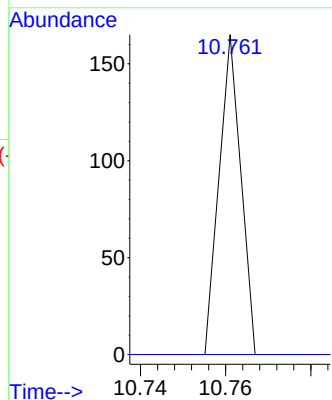
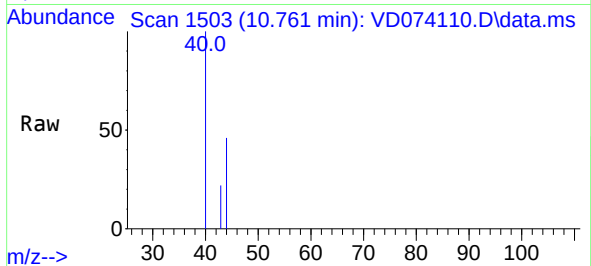




#59
2-Hexanone
Concen: 2.061 ug/l
RT: 10.761 min Scan# 11
Delta R.T. -0.212 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

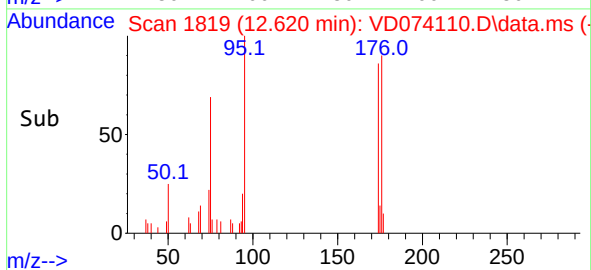
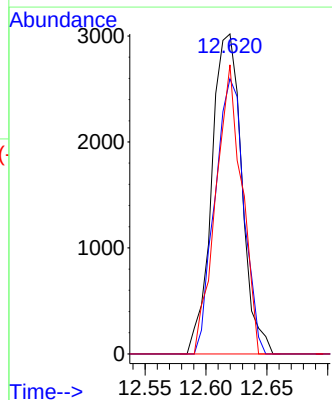
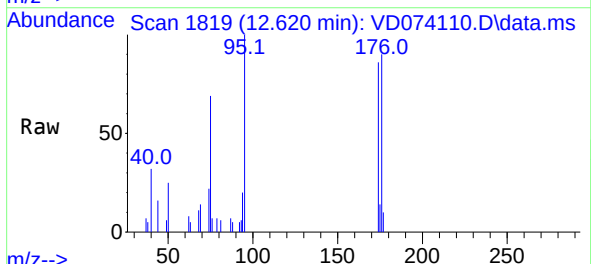
Instrument :
MSVOA_D
ClientSampleId :
SB17

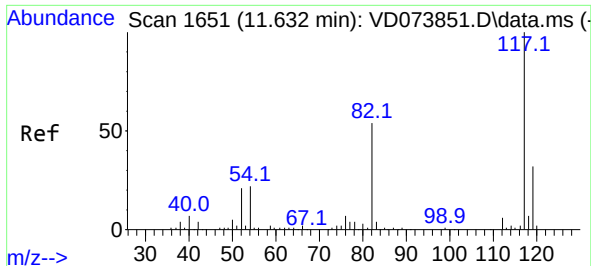
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 51.068 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 95 Resp: 5186
Ion Ratio Lower Upper
95 100
174 83.0 0.0 152.8
176 78.6 0.0 145.4

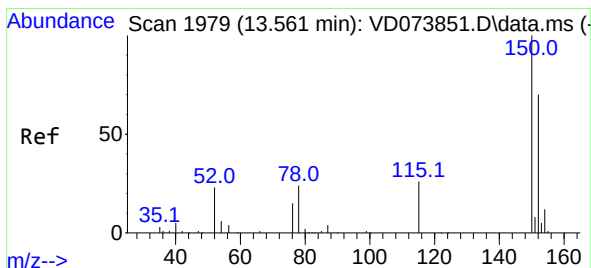
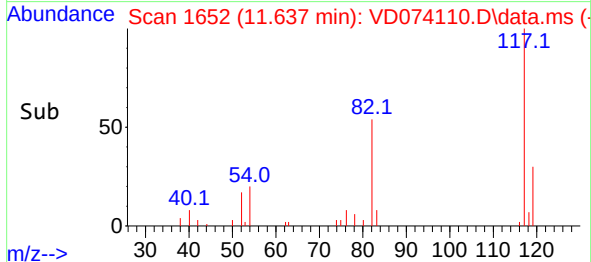
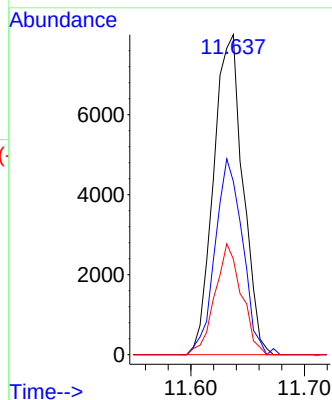
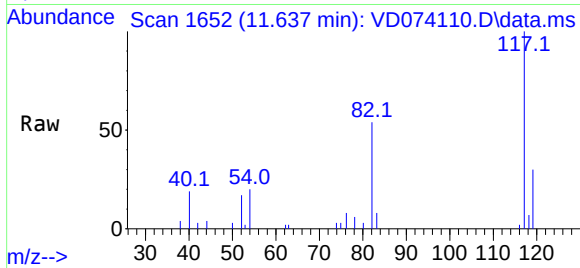




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

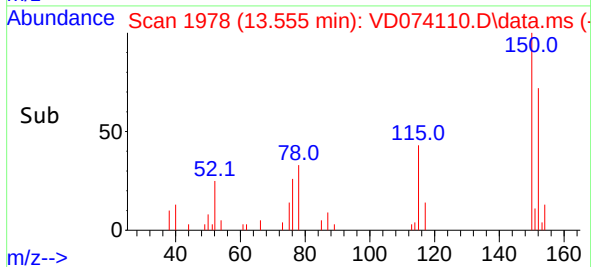
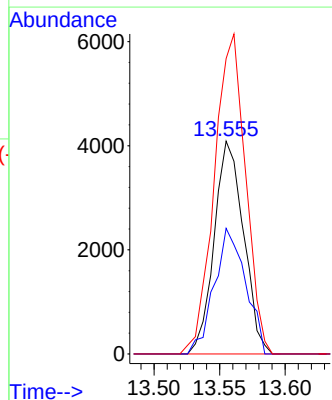
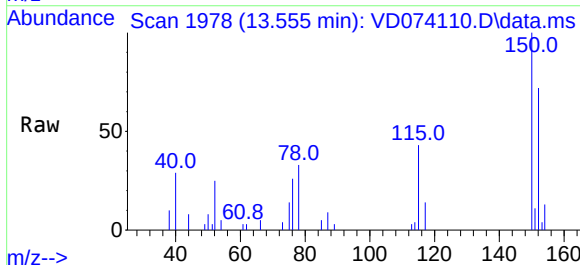
Instrument :
MSVOA_D
ClientSampleId :
SB17

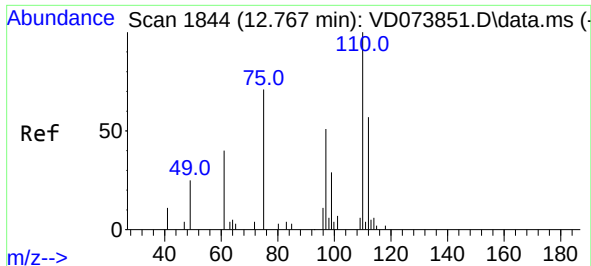
Tgt Ion:	117	Resp:	14392
Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.3	67.9
119	29.9	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion:	152	Resp:	6377
Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.3	93.8
150	159.7	0.0	348.6

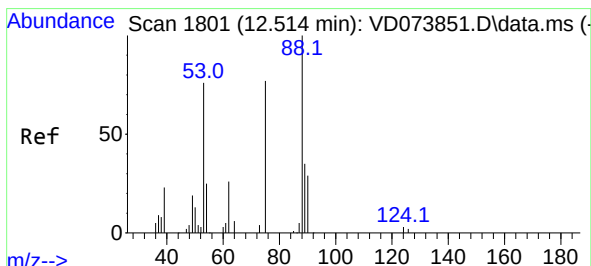
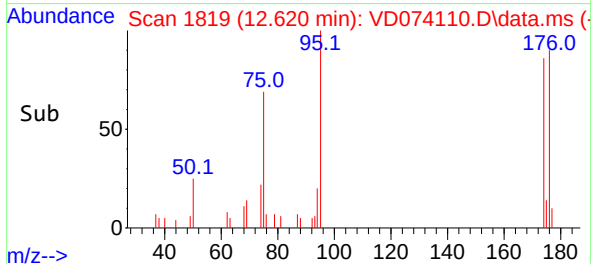
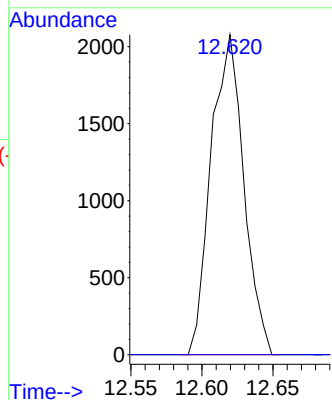
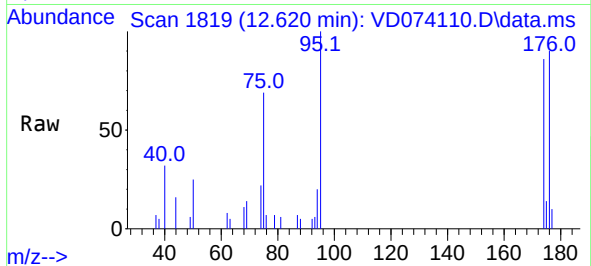




#76
1,2,3-Trichloropropane
Concen: 58.655 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Instrument :
MSVOA_D
ClientSampleId :
SB17

Tgt Ion: 75 Resp: 3333
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 163.581 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074110.D
Acq: 16 Aug 2022 19:18

Tgt Ion: 75 Resp: 3333
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

