

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072953.D
 Acq On : 12 May 2022 17:50
 Operator : VA/SY
 Sample : N2782-04
 Misc : 6.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P019-SS001-0006-01

Quant Time: May 13 05:56:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	307254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	557093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	535061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	199952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186260	46.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.400%
35) Dibromofluoromethane	7.909	113	188268	48.119	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.240%
50) Toluene-d8	10.332	98	665888	47.446	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.620	95	222514	42.520	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.040%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	659	Below Cal		92
11) Tert butyl alcohol	5.185	59	10683	30.958 ug/l	#	79
16) Acetone	4.162	43	4993	Below Cal		91
18) Methyl Acetate	4.544	43	54	Below Cal	#	55
20) Methylene Chloride	4.962	84	17612	Below Cal	#	85
31) Cyclohexane	7.967	56	7535	1.081 ug/l	#	9
36) 1,1-Dichloropropene	7.973	75	26192	4.117 ug/l	#	51
38) Carbon Tetrachloride	7.979	117	32678	4.948 ug/l	#	15
76) 1,2,3-Trichloropropane	12.620	75	109846	49.267 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	109846	113.295 ug/l	#	7

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

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Response via : Initial Calibration

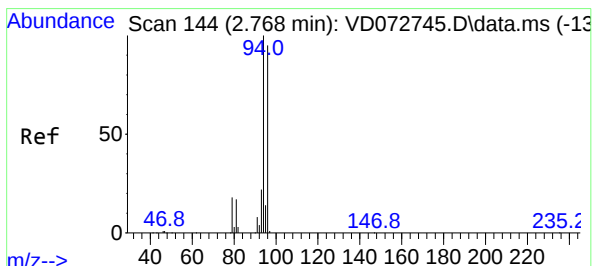
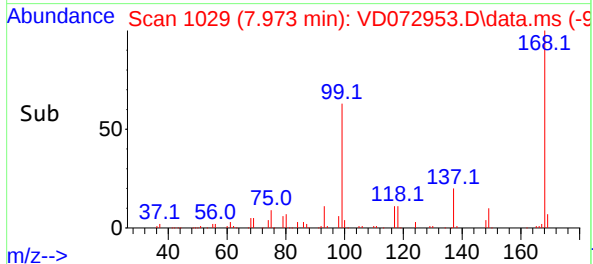
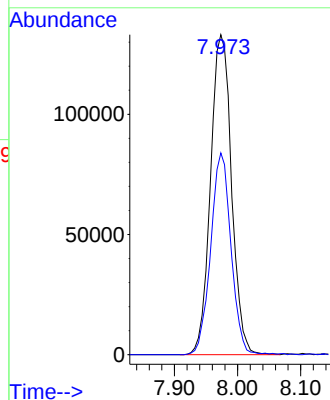
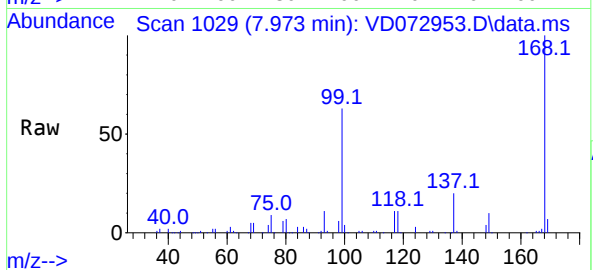




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

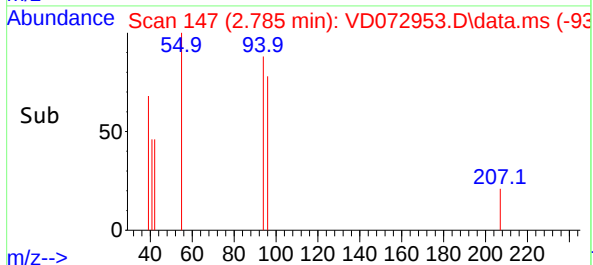
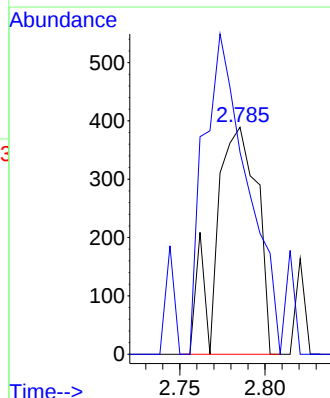
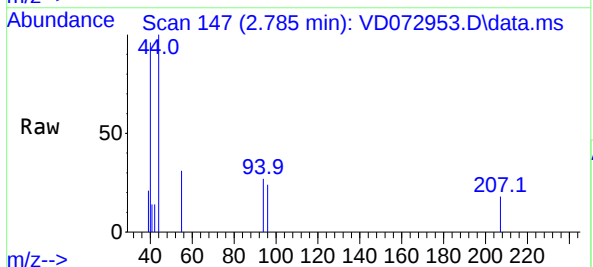
Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

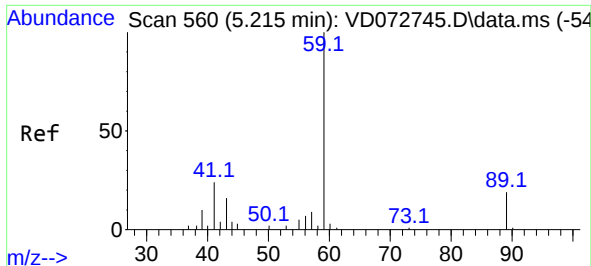
Tgt Ion:168 Resp: 307254
Ion Ratio Lower Upper
168 100
99 63.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

Tgt Ion: 94 Resp: 659
Ion Ratio Lower Upper
94 100
96 88.9 77.6 116.4





#11

Tert butyl alcohol

Concen: 30.958 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD072953.D

Acq: 12 May 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

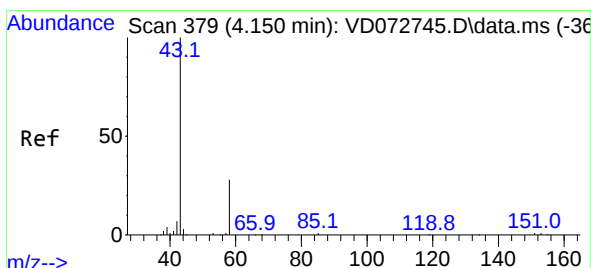
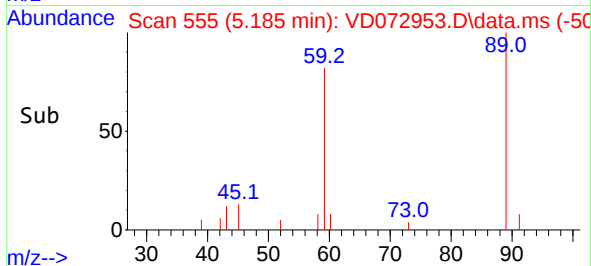
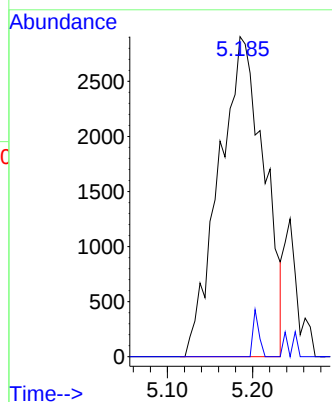
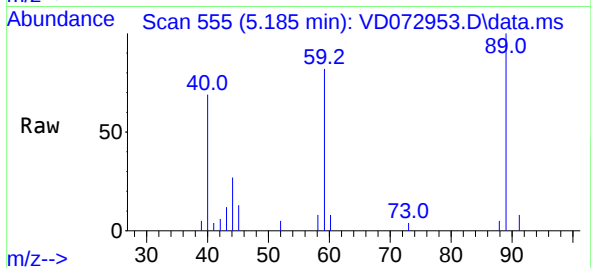
P019-SS001-0006-01

Tgt Ion: 59 Resp: 10683

Ion Ratio Lower Upper

59 100

57 1.9 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.162 min Scan# 381

Delta R.T. 0.012 min

Lab File: VD072953.D

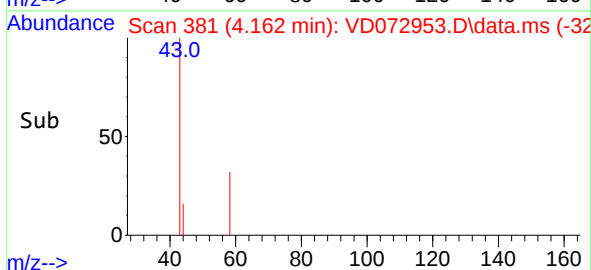
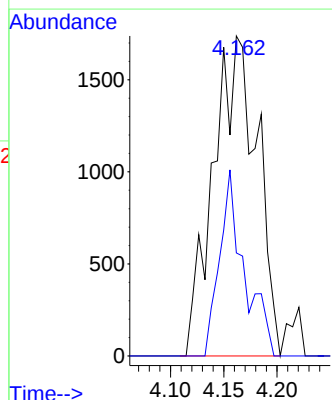
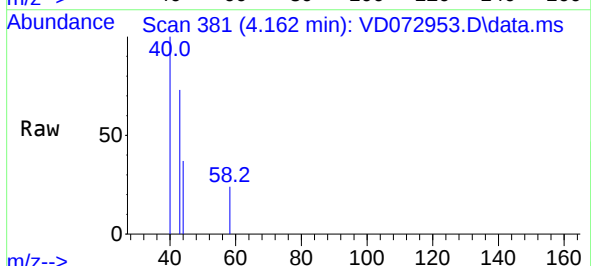
Acq: 12 May 2022 17:50

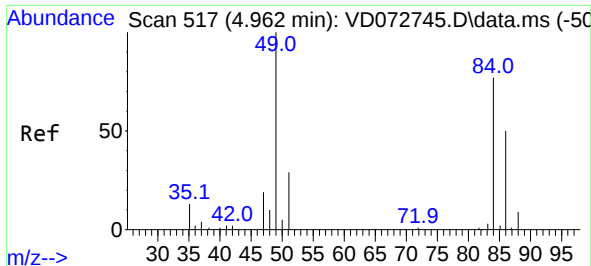
Tgt Ion: 43 Resp: 4993

Ion Ratio Lower Upper

43 100

58 32.2 22.1 33.1

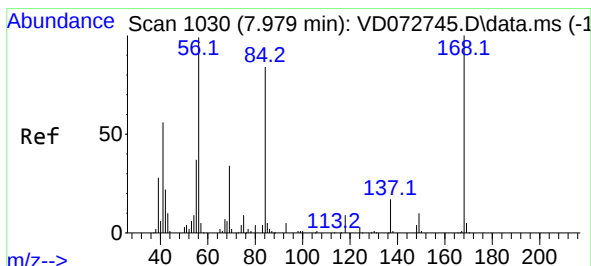
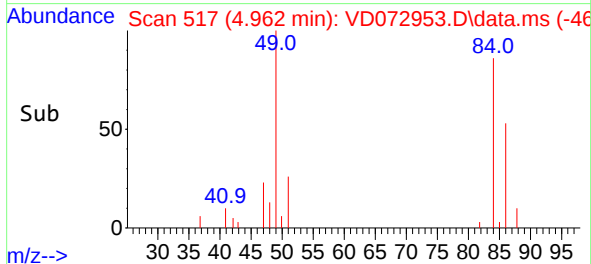
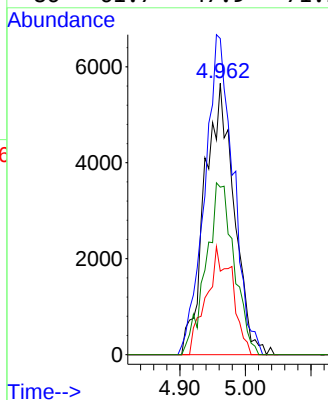
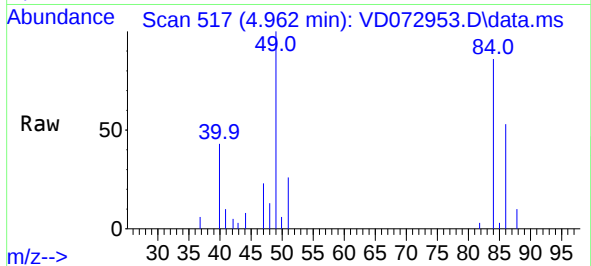




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

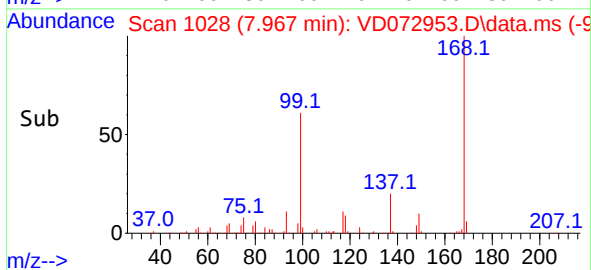
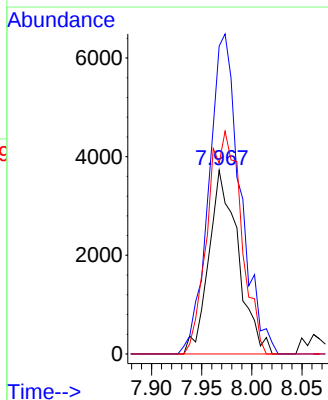
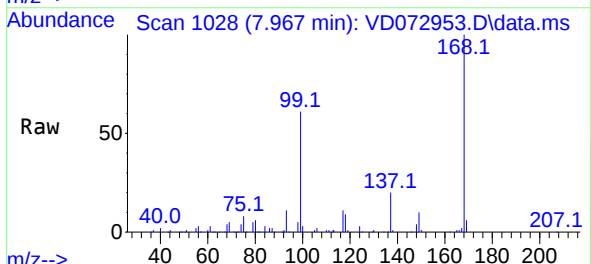
Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

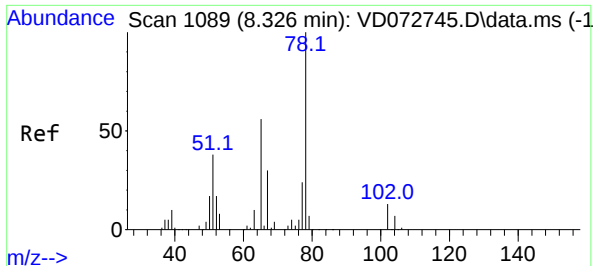
Tgt Ion:	84	Resp:	17612
Ion	Ratio	Lower	Upper
84	100		
49	116.5	112.8	169.2
51	30.8	32.6	48.8#
86	61.7	47.9	71.9



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

Tgt Ion:	56	Resp:	7535
Ion	Ratio	Lower	Upper
56	100		
69	167.6	25.4	38.2#
84	103.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.700 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072953.D

Acq: 12 May 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

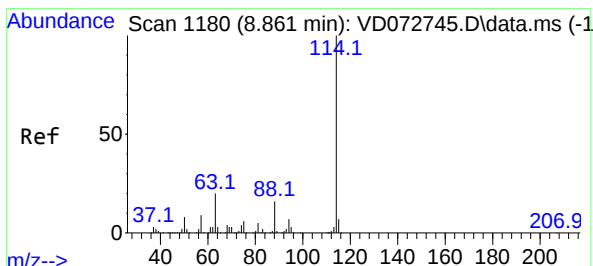
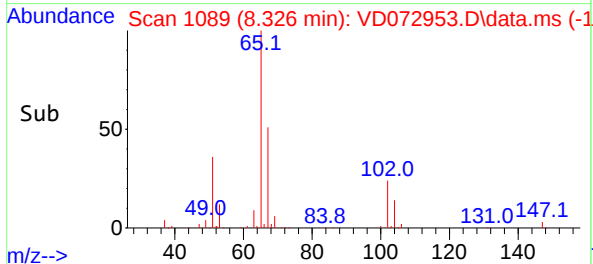
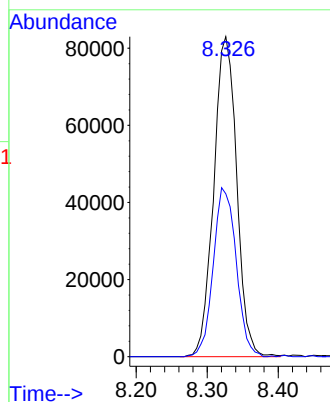
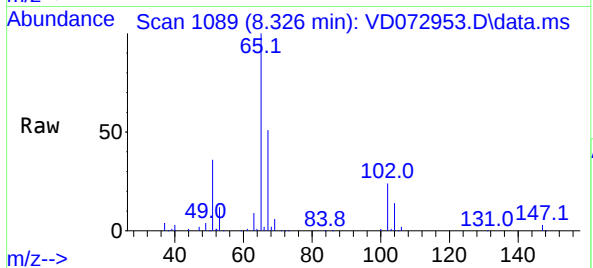
P019-SS001-0006-01

Tgt Ion: 65 Resp: 186260

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD072953.D

Acq: 12 May 2022 17:50

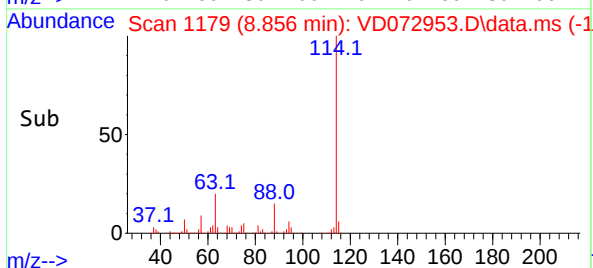
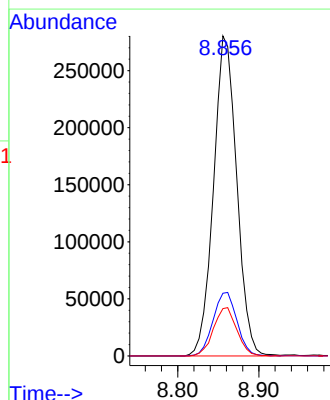
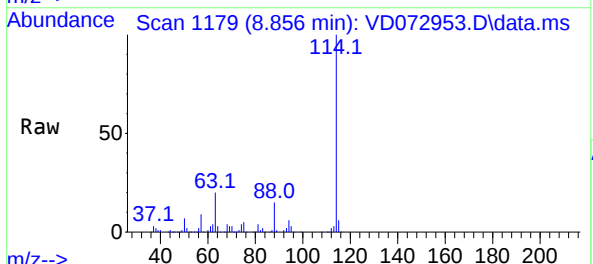
Tgt Ion: 114 Resp: 557093

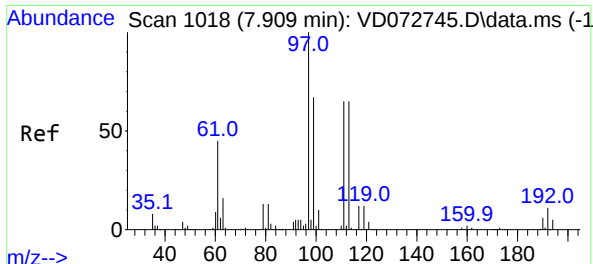
Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 14.8 0.0 33.2

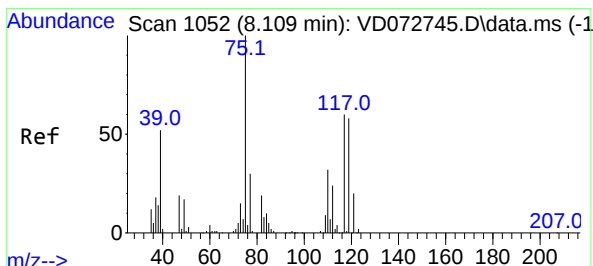
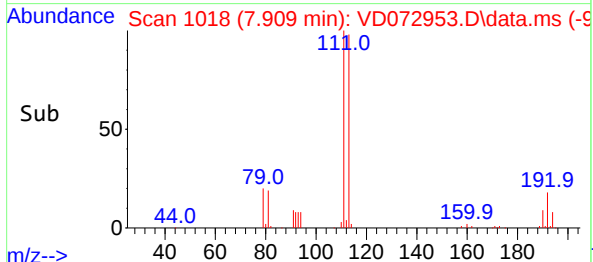
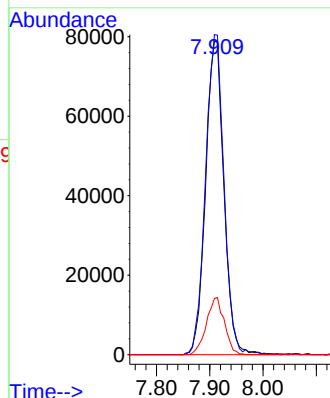
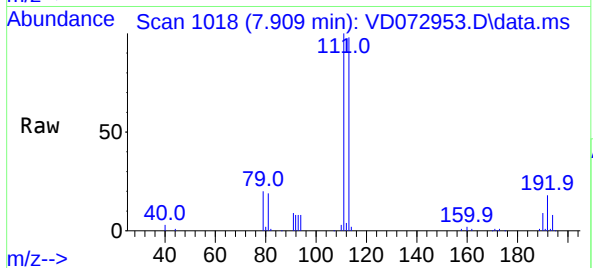




#35
Dibromofluoromethane
Concen: 48.119 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

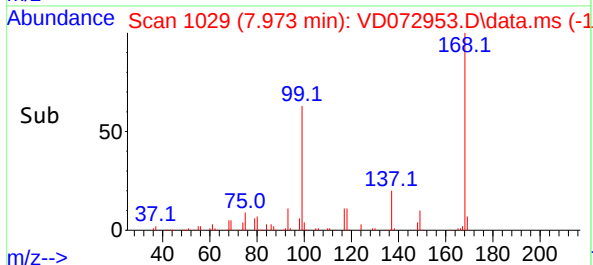
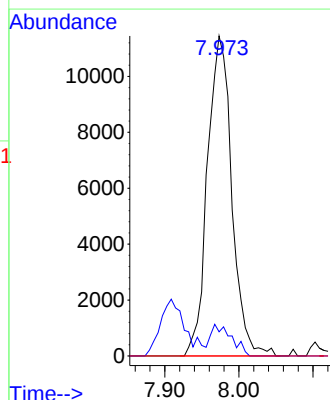
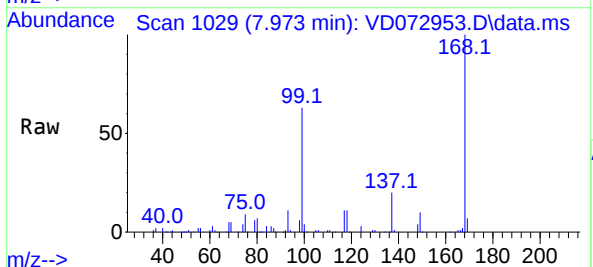
Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

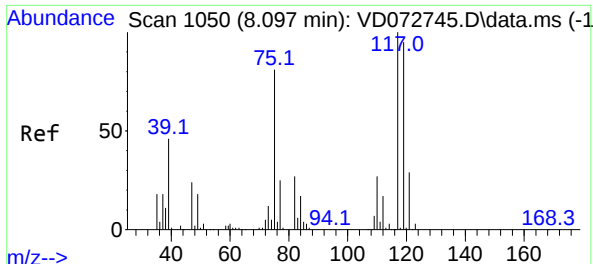
Tgt Ion:113 Resp: 188268
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.117 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

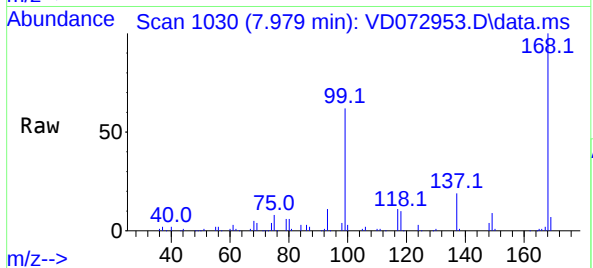
Tgt Ion: 75 Resp: 26192
Ion Ratio Lower Upper
75 100
110 8.3 16.4 49.1#
77 0.0 24.2 36.2#



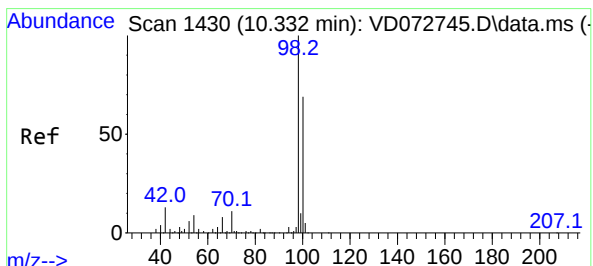
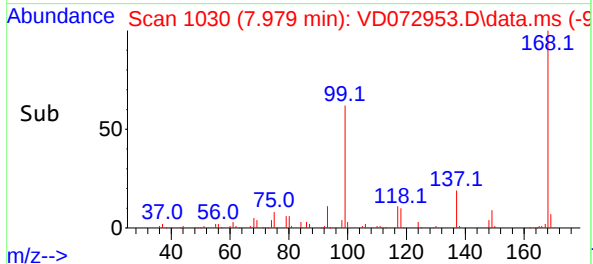
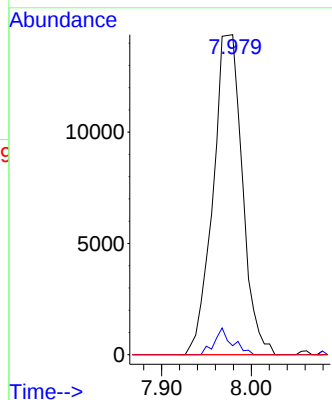


#38
Carbon Tetrachloride
Concen: 4.948 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

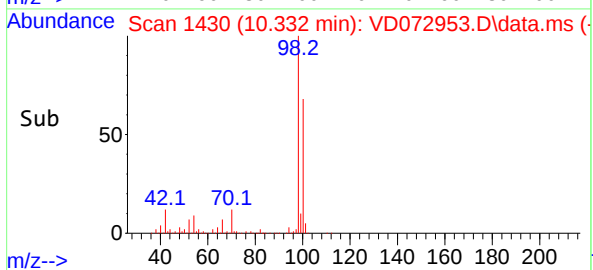
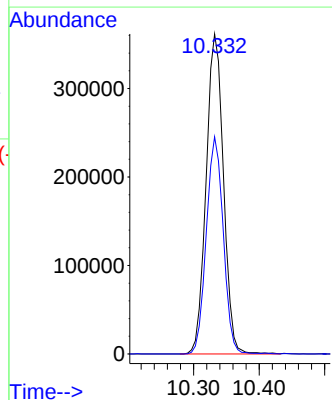
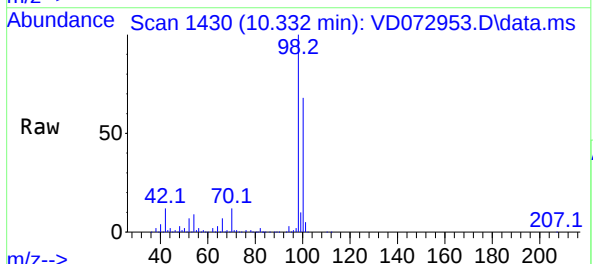


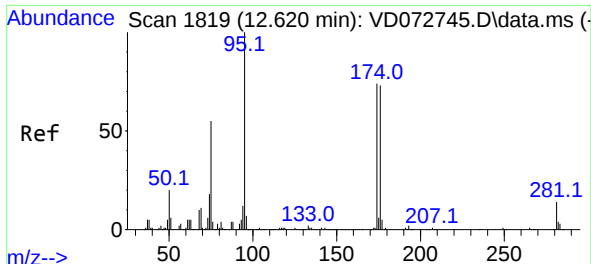
Tgt Ion:117 Resp: 32678
Ion Ratio Lower Upper
117 100
119 2.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.446 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

Tgt Ion: 98 Resp: 665888
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

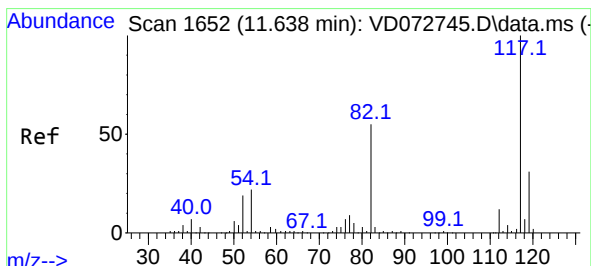
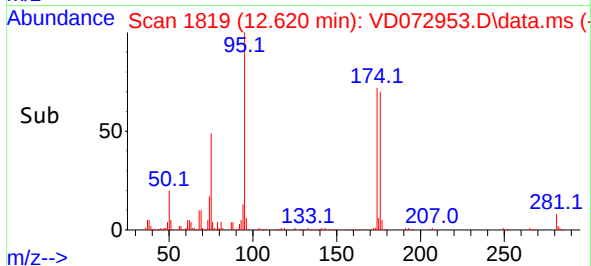
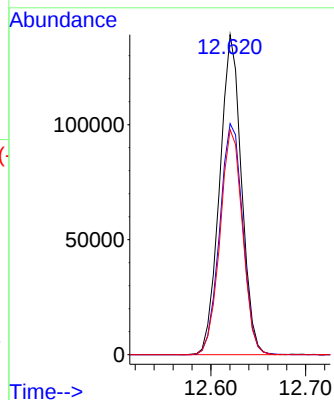
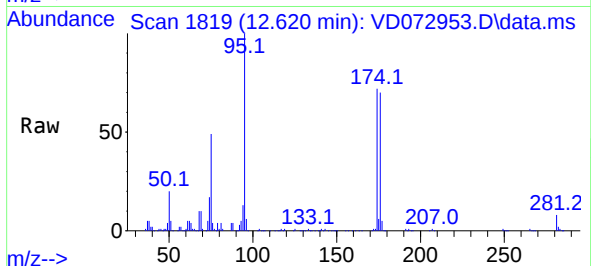




#62
4-Bromofluorobenzene
Concen: 42.520 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

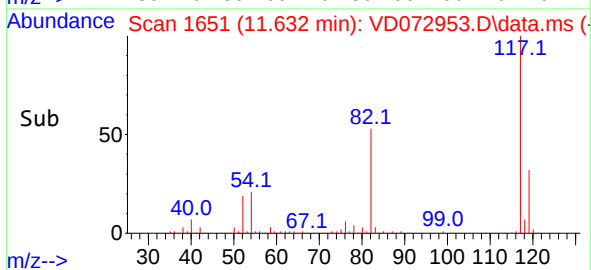
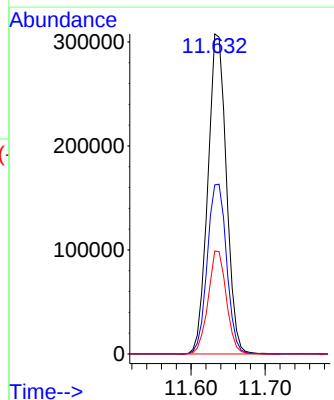
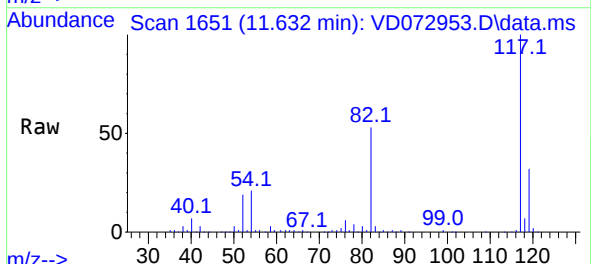
Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

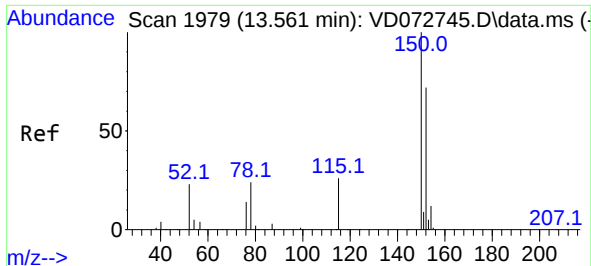
Tgt Ion: 95 Resp: 222514
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 72.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

Tgt Ion: 117 Resp: 535061
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 32.2 26.6 40.0

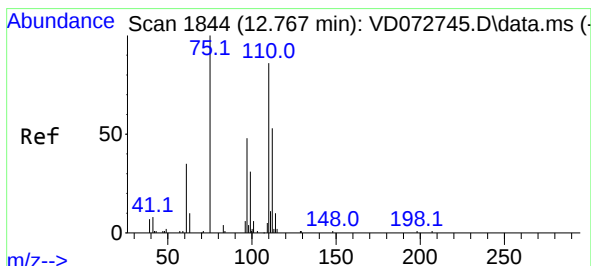
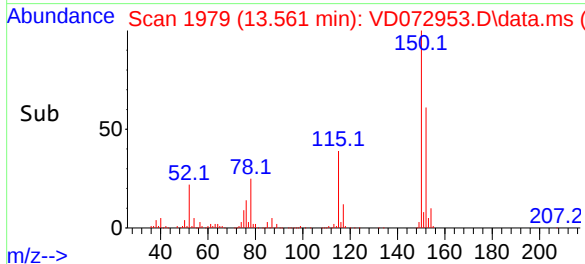
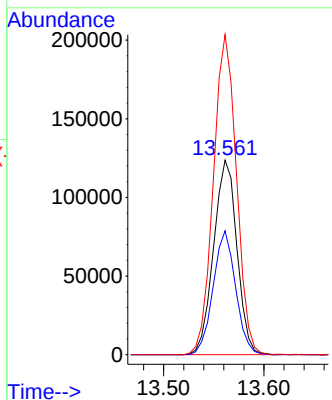
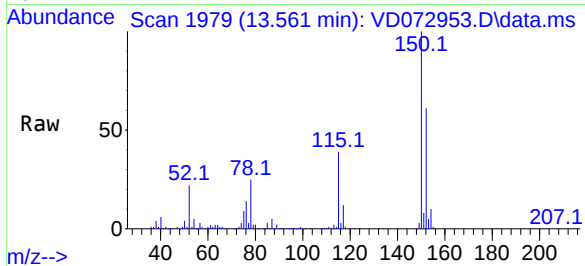




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

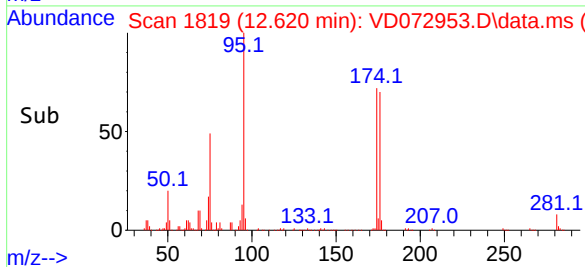
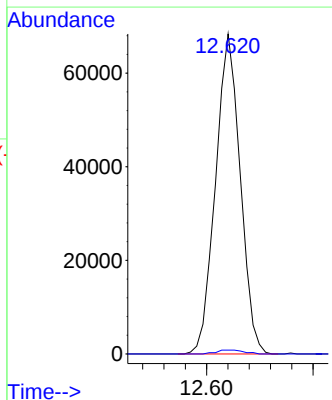
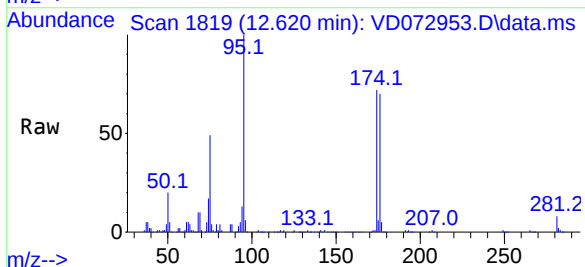
Instrument :
MSVOA_D
ClientSampleId :
P019-SS001-0006-01

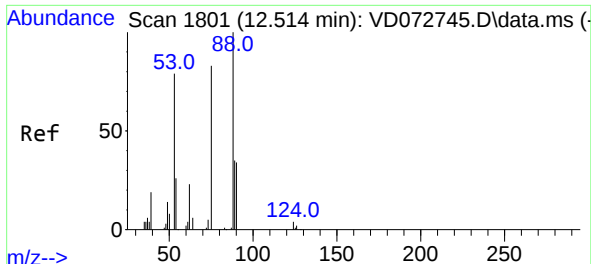
Tgt Ion:152 Resp: 199952
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 162.8 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 49.267 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072953.D
Acq: 12 May 2022 17:50

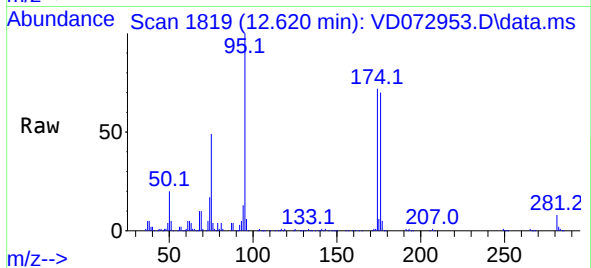
Tgt Ion: 75 Resp: 109846
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.295 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072953.D
 Acq: 12 May 2022 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 P019-SS001-0006-01



Tgt Ion: 75 Resp: 109846
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

