

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072958.D
 Acq On : 12 May 2022 20:15
 Operator : VA/SY
 Sample : N2782-09
 Misc : 5.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P019-SS002-0006-01

Quant Time: May 13 05:57:58 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)

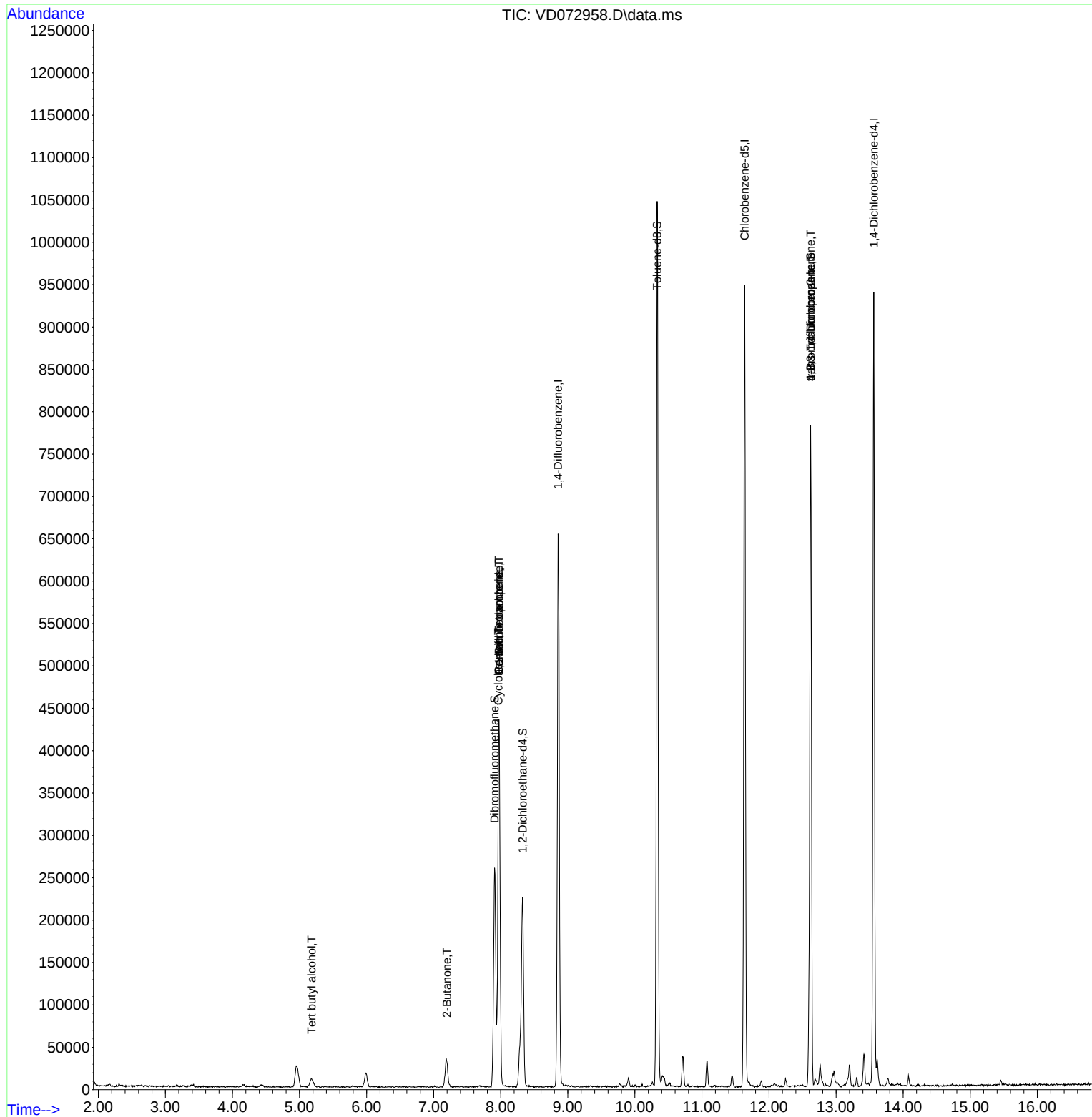
Internal Standards						
1) Pentafluorobenzene	7.973	168	313899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	561681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	547389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169481	41.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.180%
35) Dibromofluoromethane	7.908	113	184571	46.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.580%
50) Toluene-d8	10.332	98	688198	48.635	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.620	95	245028	46.440	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.880%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	424	Below Cal	#	54
11) Tert butyl alcohol	5.179	59	9906	28.099	ug/l #	75
16) Acetone	4.150	43	4968	Below Cal		100
18) Methyl Acetate	4.791	43	79	Below Cal	#	55
20) Methylene Chloride	4.962	84	21121	Below Cal		86
25) 2-Butanone	7.197	43	2080	1.752	ug/l	99
31) Cyclohexane	7.967	56	7653	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27455	4.280	ug/l #	52
38) Carbon Tetrachloride	7.973	117	33577	5.043	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	127679	46.466	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	127679	106.852	ug/l #	8

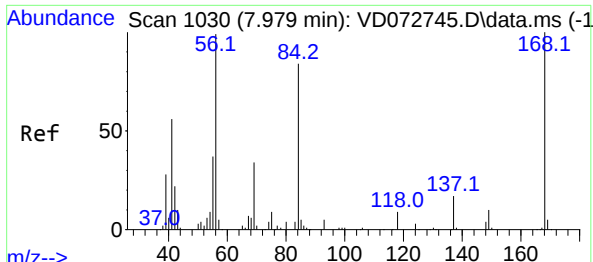
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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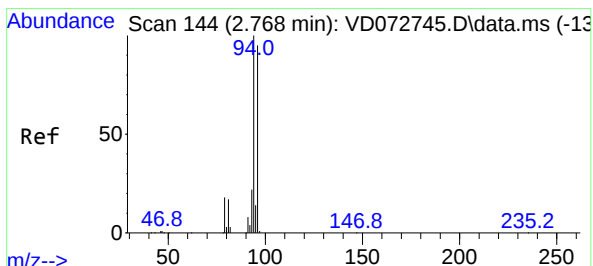
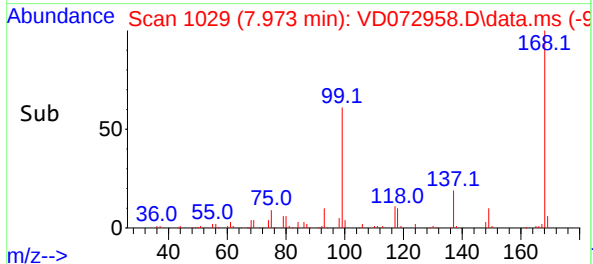
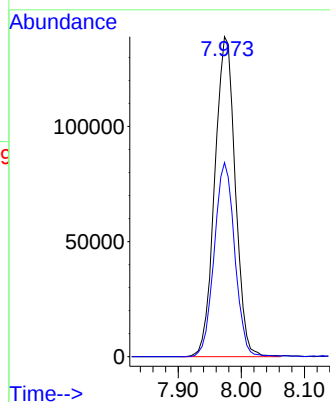
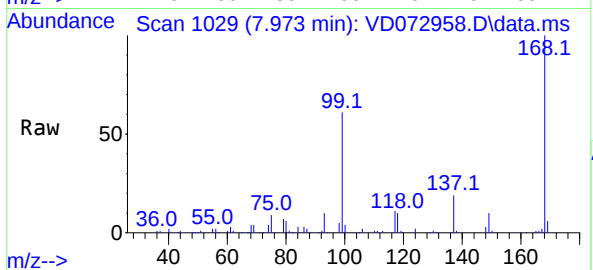




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

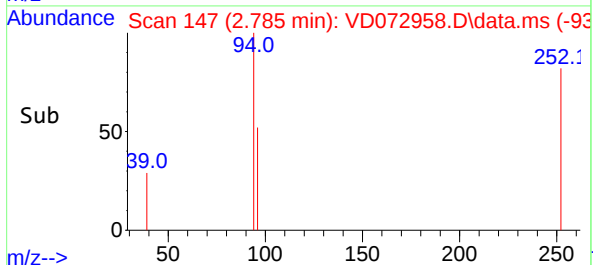
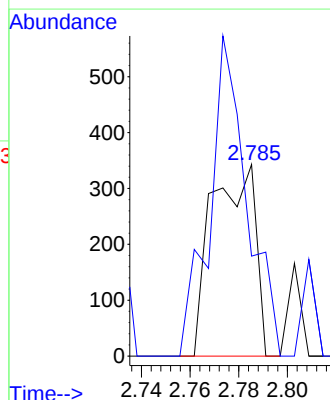
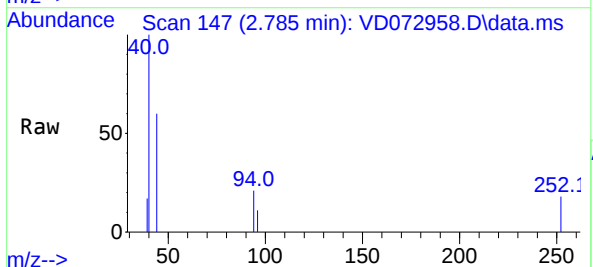
Instrument :
MSVOA_D
ClientSampleId :
P019-SS002-0006-01

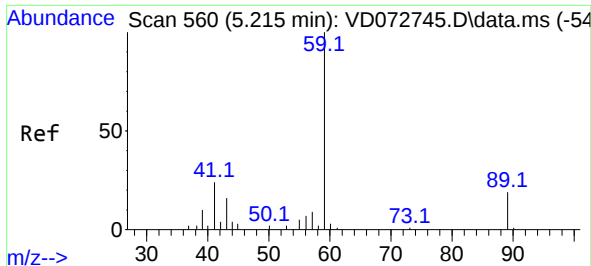
Tgt Ion:168 Resp: 313899
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 52.2 77.6 116.4#

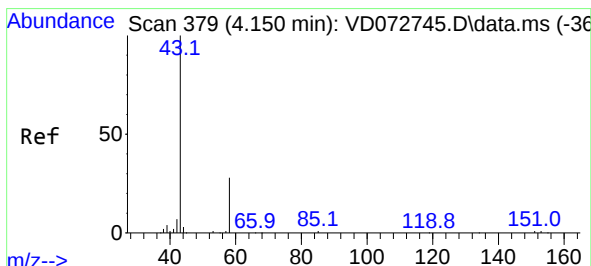
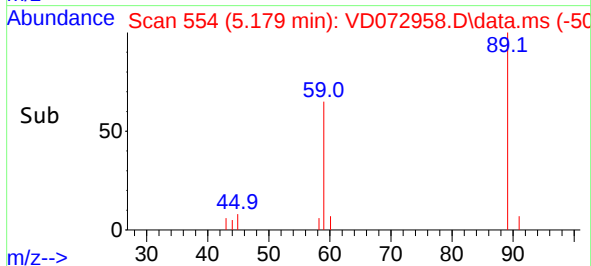
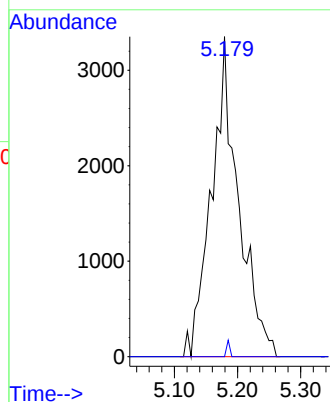
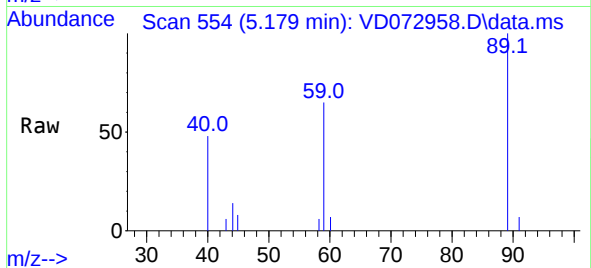




#11
Tert butyl alcohol
Concen: 28.099 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

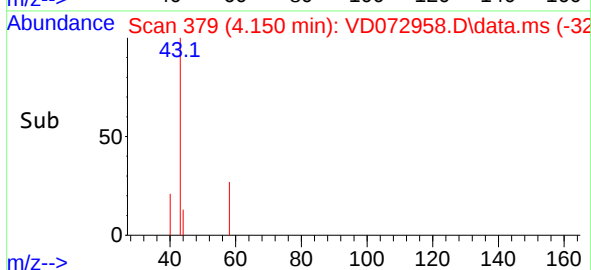
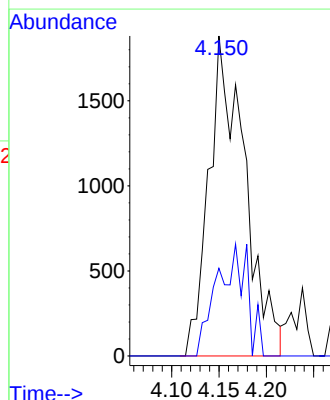
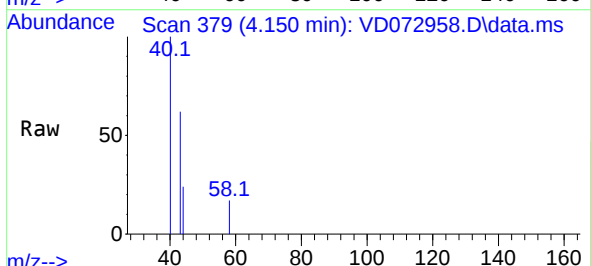
Instrument :
MSVOA_D
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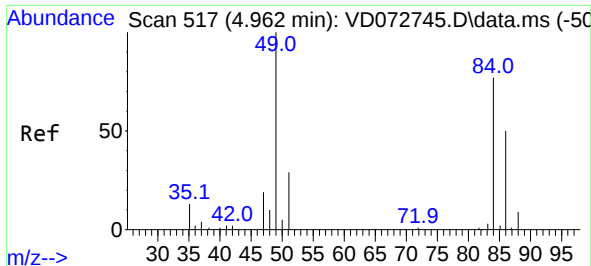
Tgt Ion: 59 Resp: 9906
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion: 43 Resp: 4968
Ion Ratio Lower Upper
43 100
58 27.4 22.1 33.1



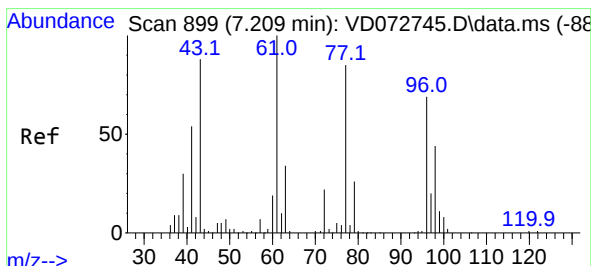
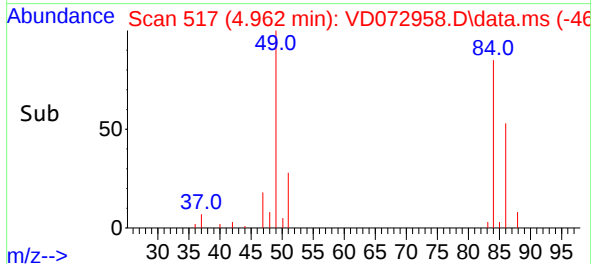
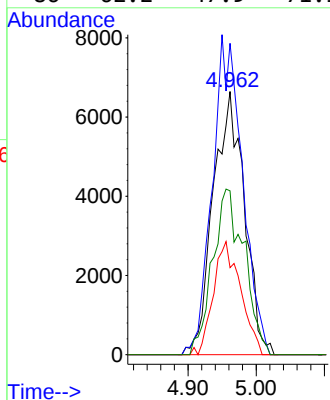
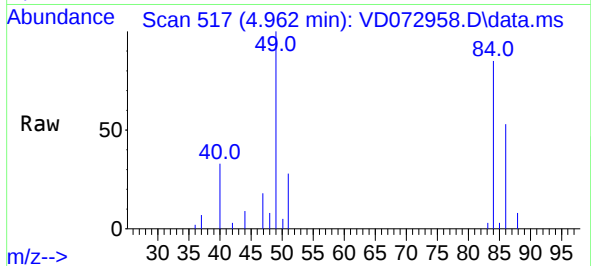


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :
P019-SS002-0006-01

Tgt Ion: 84 Resp: 21121

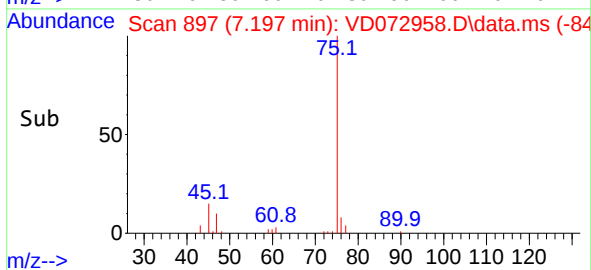
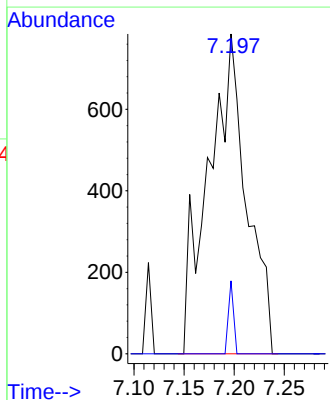
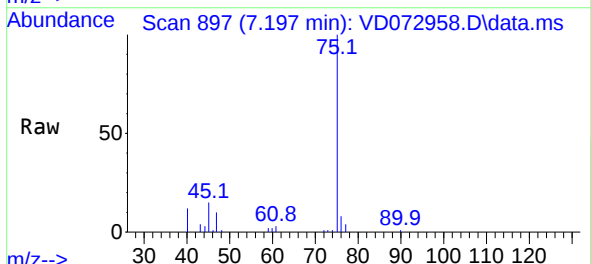
Ion	Ratio	Lower	Upper
84	100		
49	118.3	112.8	169.2
51	33.1	32.6	48.8
86	62.2	47.9	71.9

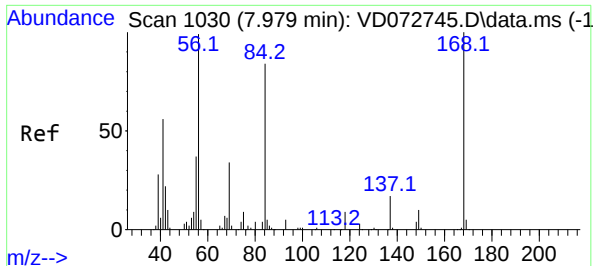


#25
2-Butanone
Concen: 1.752 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion: 43 Resp: 2080

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	27.8





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072958.D

Acq: 12 May 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

P019-SS002-0006-01

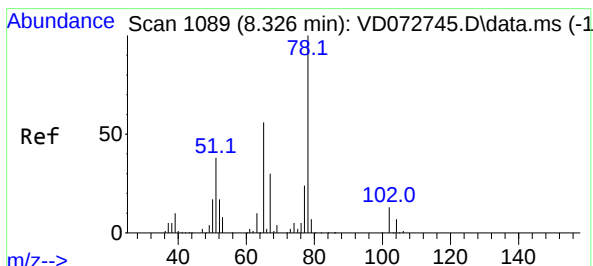
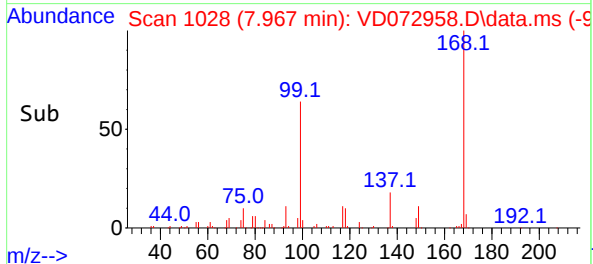
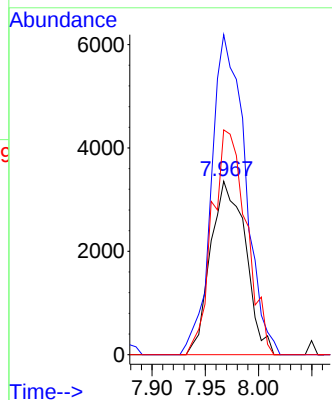
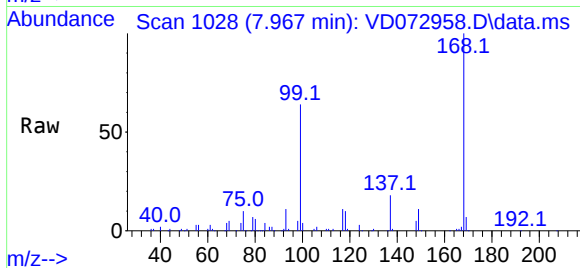
Tgt Ion: 56 Resp: 7653

Ion Ratio Lower Upper

56 100

69 184.5 25.4 38.2#

84 129.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 41.594 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072958.D

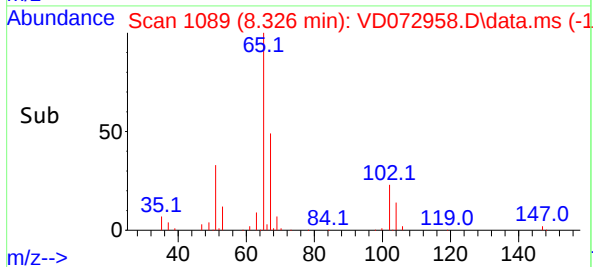
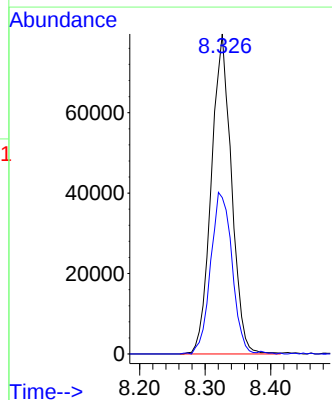
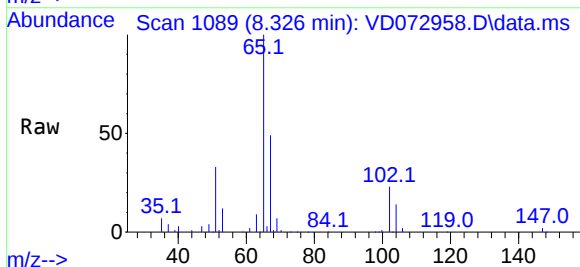
Acq: 12 May 2022 20:15

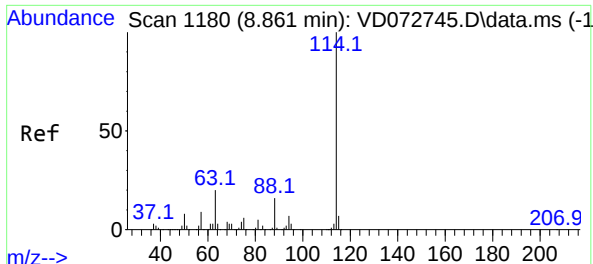
Tgt Ion: 65 Resp: 169481

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4

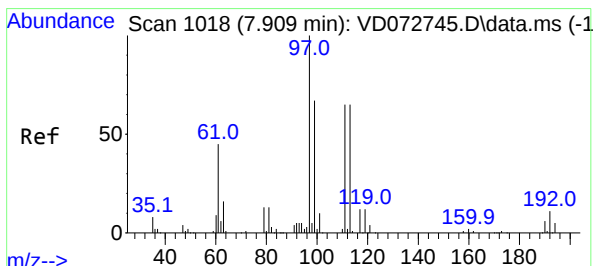
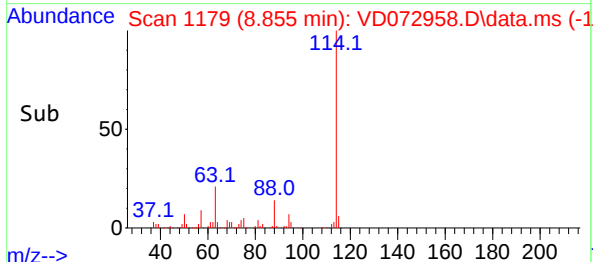
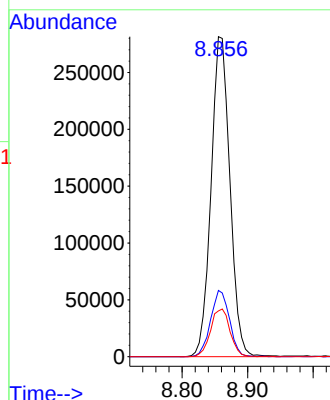
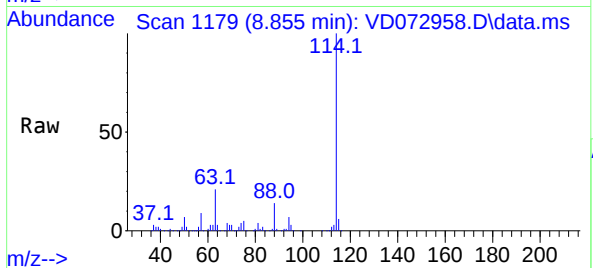




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

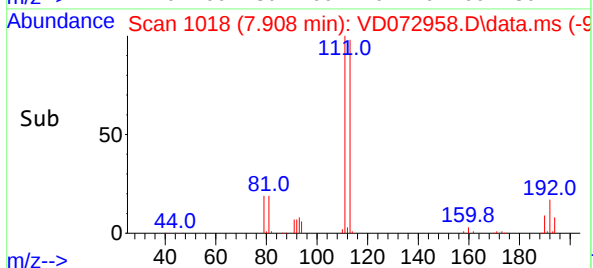
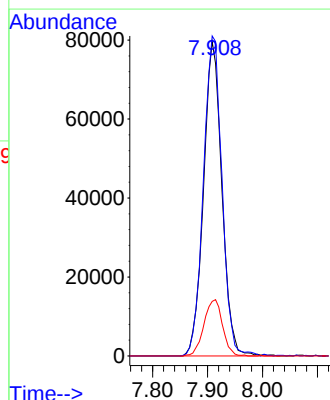
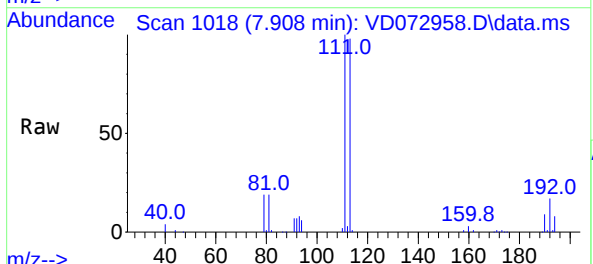
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P019-SS002-0006-01

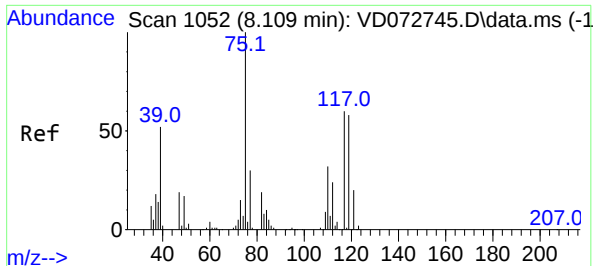
Tgt Ion:	114	Resp:	561681
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	46.6
88	14.3	0.0	33.2



#35
Dibromofluoromethane
Concen: 46.789 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion:	113	Resp:	184571
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.8	125.6
192	18.2	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.280 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072958.D

Acq: 12 May 2022 20:15

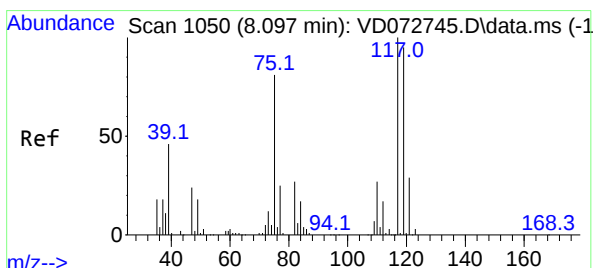
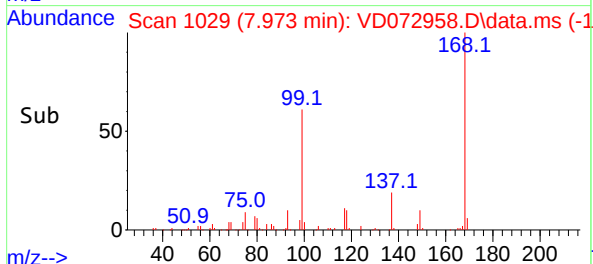
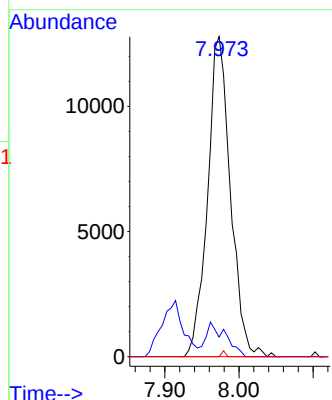
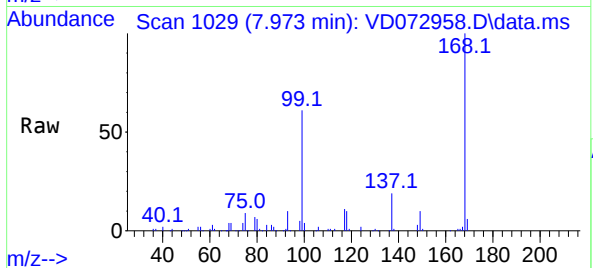
Instrument :

MSVOA_D

ClientSampleId :

P019-SS002-0006-01

Tgt Ion:	75	Resp:	27455
Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.4	49.1#
77	0.3	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.043 ug/l

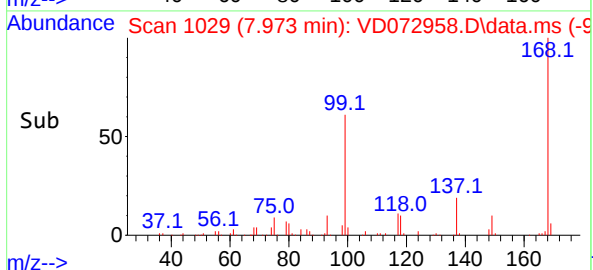
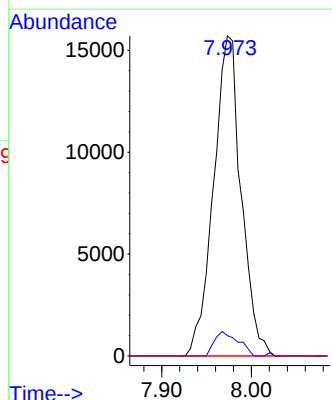
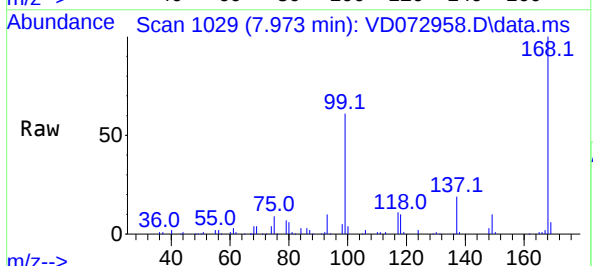
RT: 7.973 min Scan# 1029

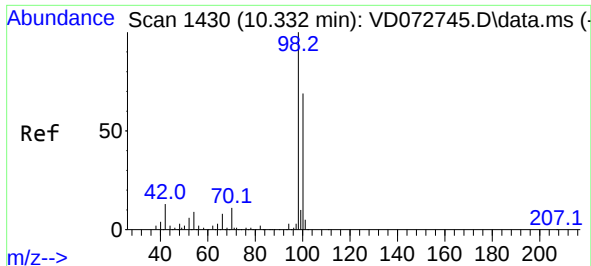
Delta R.T. -0.124 min

Lab File: VD072958.D

Acq: 12 May 2022 20:15

Tgt Ion:	117	Resp:	33577
Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.8	113.6#
121	0.0	24.5	36.7#

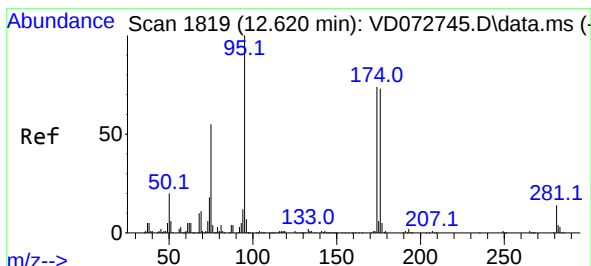
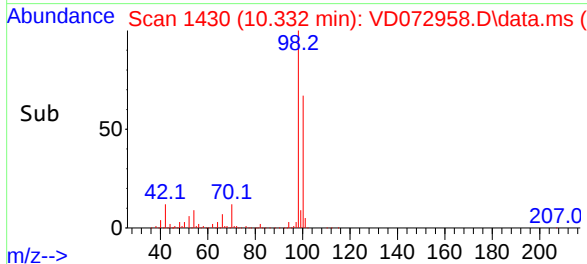
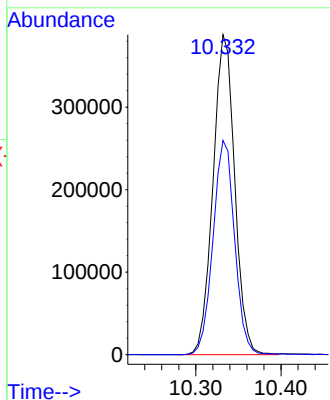
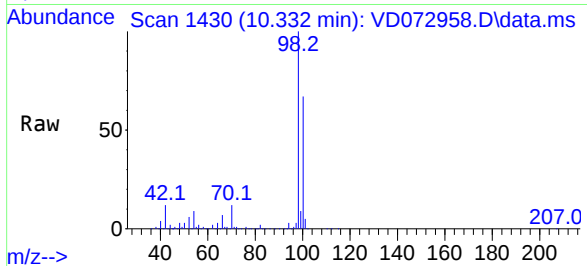




#50
Toluene-d8
Concen: 48.635 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

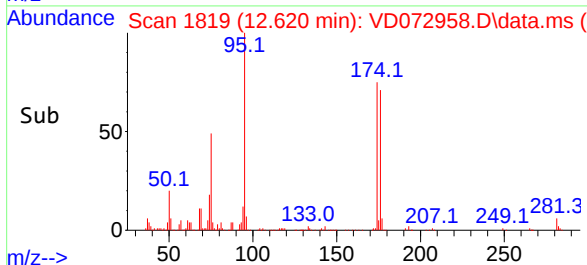
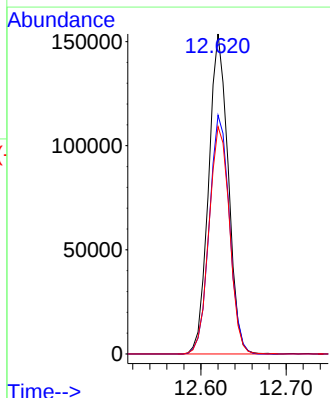
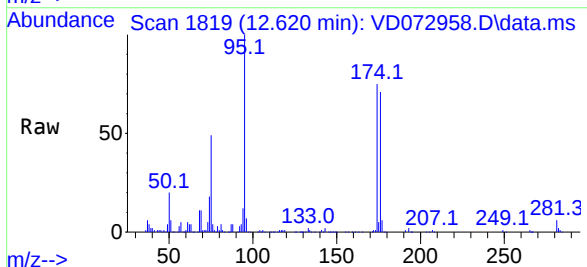
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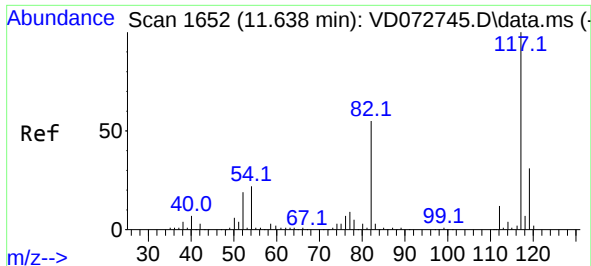
Tgt Ion: 98 Resp: 688198
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.440 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion: 95 Resp: 245028
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 74.3 0.0 145.4

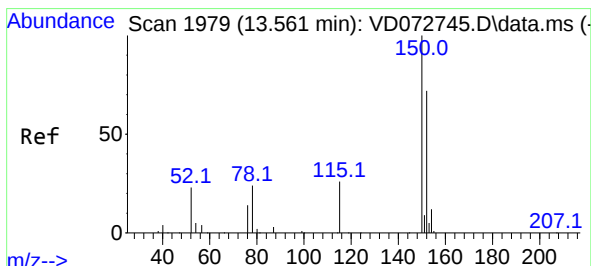
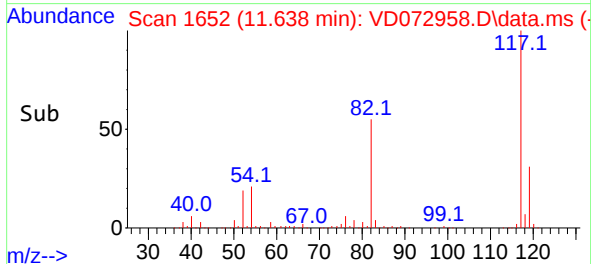
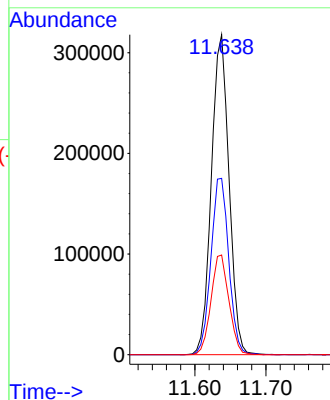
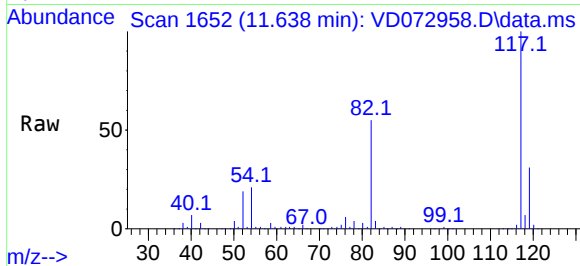




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

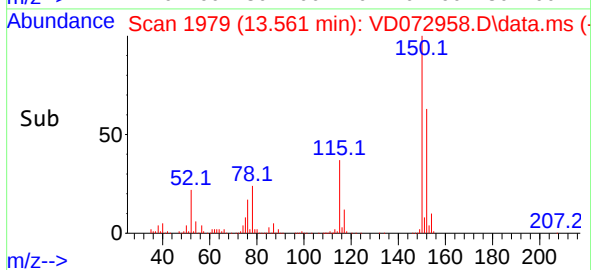
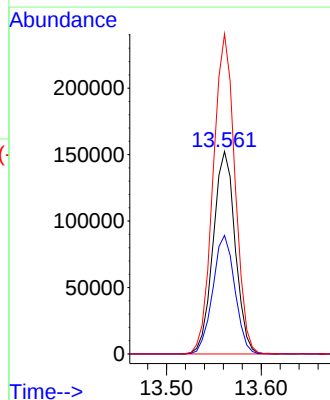
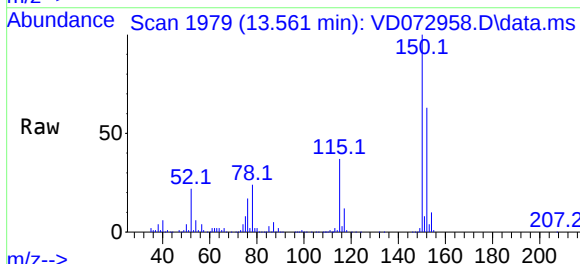
Instrument :
MSVOA_D
ClientSampleId :
P019-SS002-0006-01

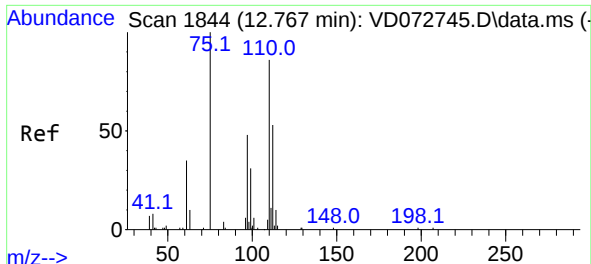
Tgt Ion:117 Resp: 547389
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 31.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion:152 Resp: 246427
Ion Ratio Lower Upper
152 100
115 58.7 31.3 93.8
150 156.6 0.0 348.6

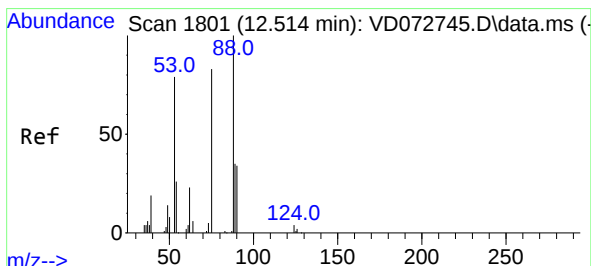
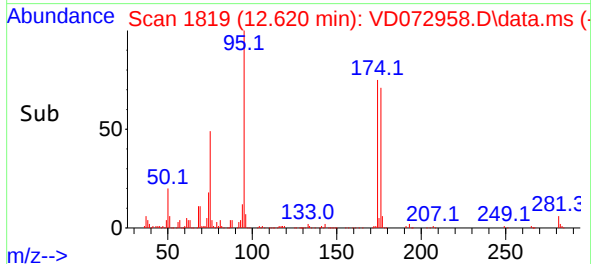
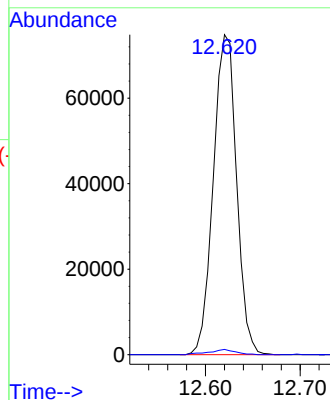
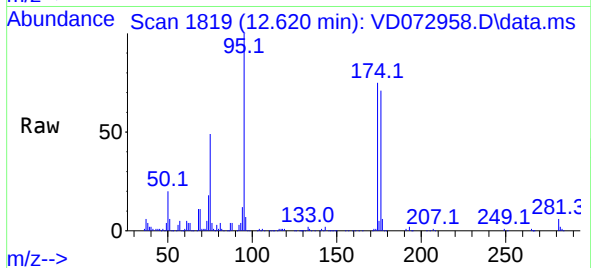




#76
1,2,3-Trichloropropane
Concen: 46.466 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :
P019-SS002-0006-01

Tgt Ion: 75 Resp: 127679
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.852 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072958.D
Acq: 12 May 2022 20:15

Tgt Ion: 75 Resp: 127679
Ion Ratio Lower Upper
75 100
53 1.4 86.5 129.7#
89 0.1 33.9 50.9#

