

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072212.D
 Acq On : 16 Mar 2022 12:16
 Operator : VA/SY
 Sample : VD0316SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBL01

Quant Time: Mar 16 14:59:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	690956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1101564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1144433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	578571	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	302349	39.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.520%
35) Dibromofluoromethane	7.914	113	326647	42.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.280%
50) Toluene-d8	10.332	98	1373395	48.454	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.626	95	573802	52.100	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.200%

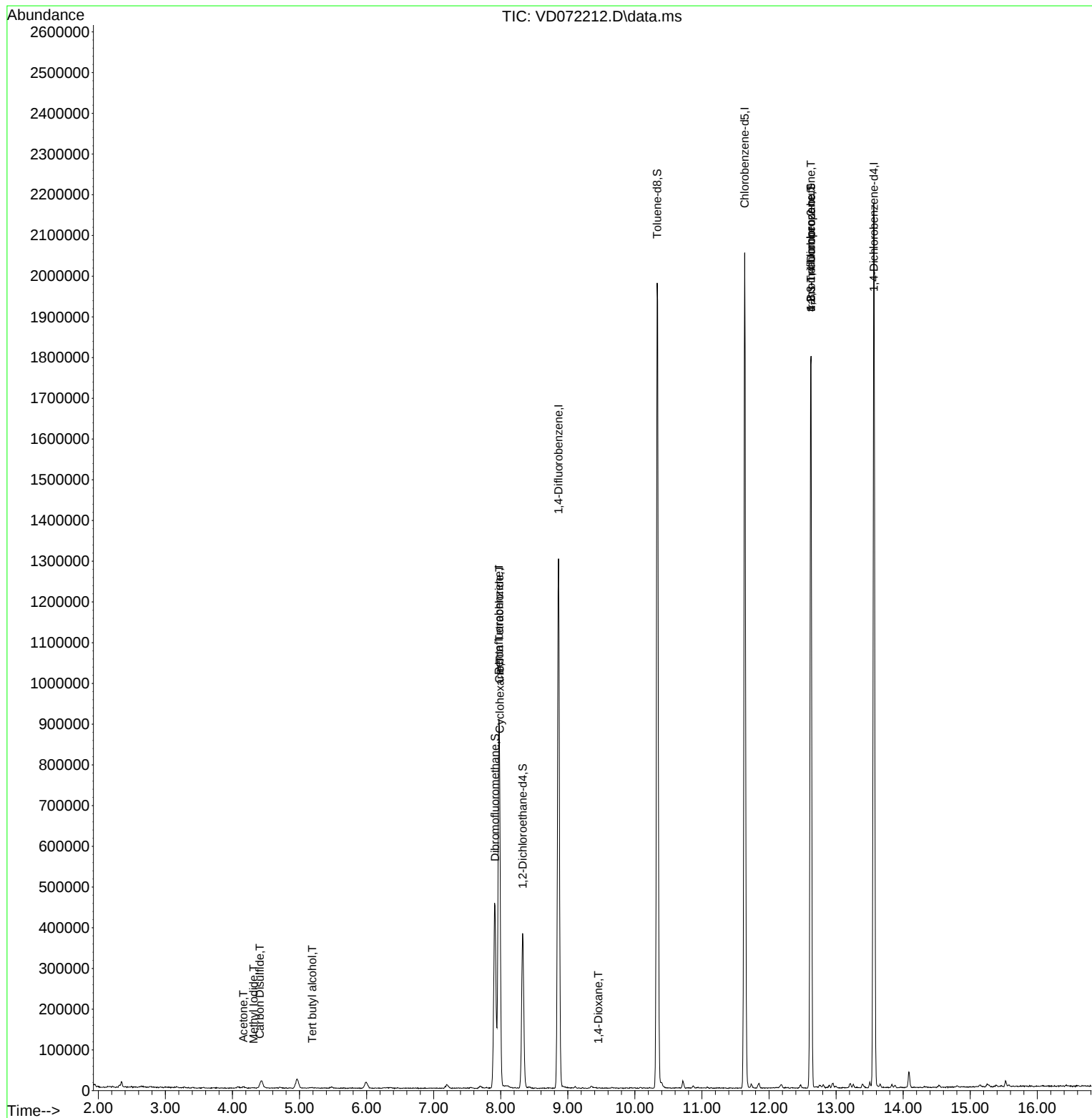
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	1637	2.448	ug/l #	67
11) Tert butyl alcohol	5.191	59	1000	2.240	ug/l #	74
16) Acetone	4.162	43	5389	3.223	ug/l	92
17) Carbon Disulfide	4.409	76	7685	2.004	ug/l	98
20) Methylene Chloride	4.962	84	17286	Below Cal	#	83
31) Cyclohexane	7.985	56	16471	1.369	ug/l #	1
38) Carbon Tetrachloride	7.979	117	68464	5.538	ug/l #	16
49) 1,4-Dioxane	9.455	88	150	2.989	ug/l #	21
76) 1,2,3-Trichloropropane	12.626	75	292596	45.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	292596	113.749	ug/l #	7

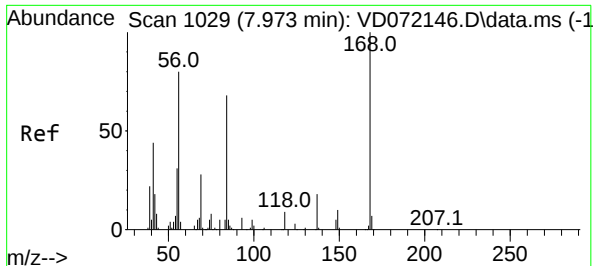
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072212.D
Acq On : 16 Mar 2022 12:16
Operator : VA/SY
Sample : VD0316SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Quant Time: Mar 16 14:59:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

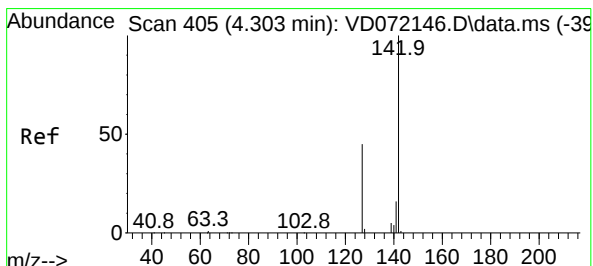
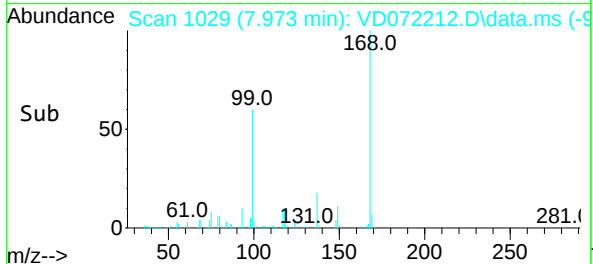
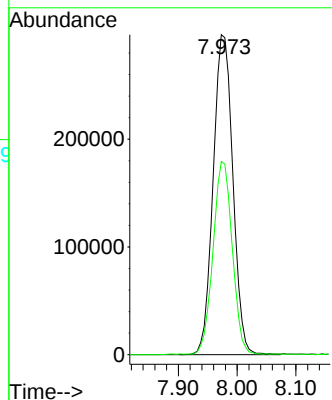
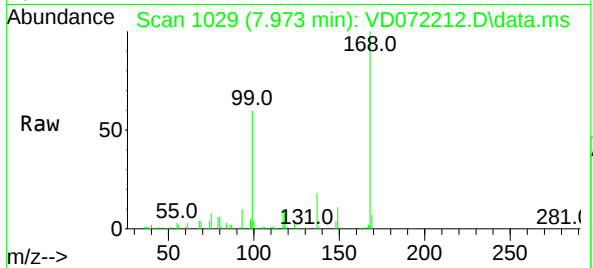




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

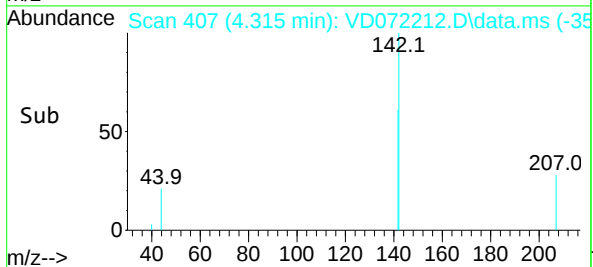
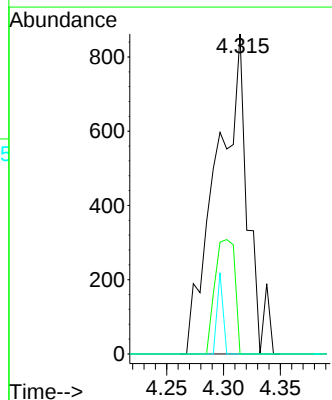
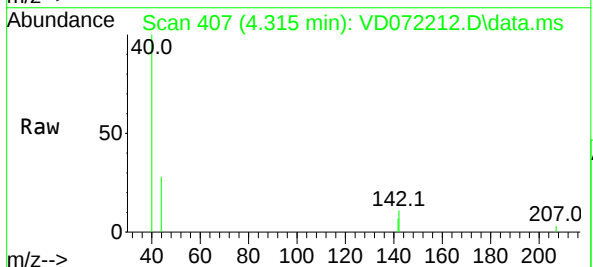
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

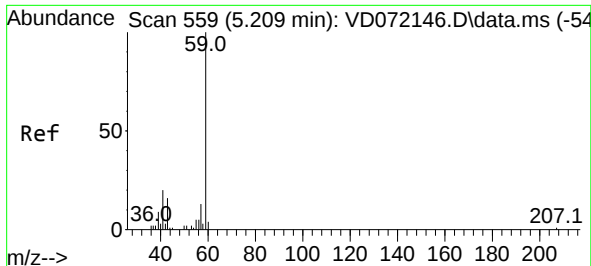
Tgt Ion:168 Resp: 690956
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#10
Methyl Iodide
Concen: 2.448 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion:142 Resp: 1637
Ion Ratio Lower Upper
142 100
127 23.0 37.3 55.9#
141 4.7 11.7 17.5#

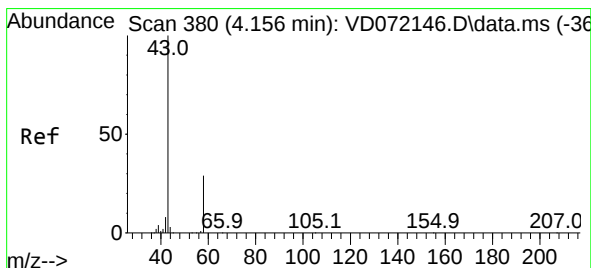
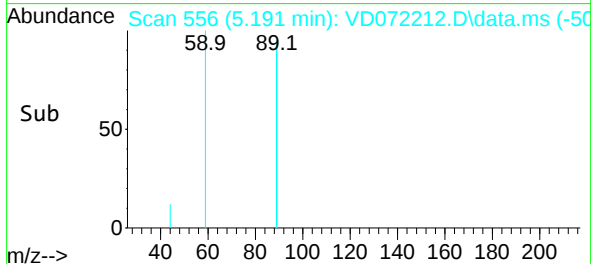
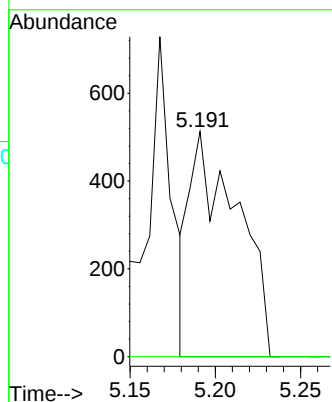
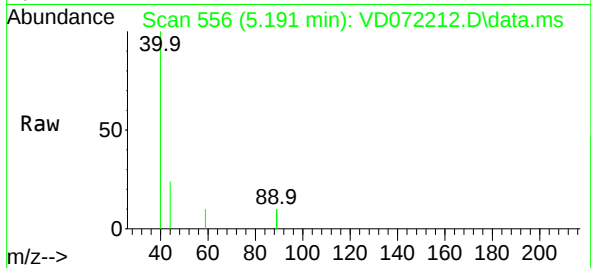




#11
Tert butyl alcohol
Concen: 2.240 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

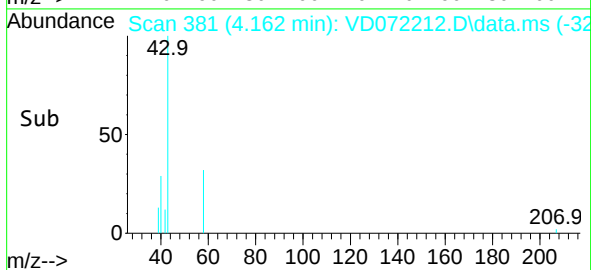
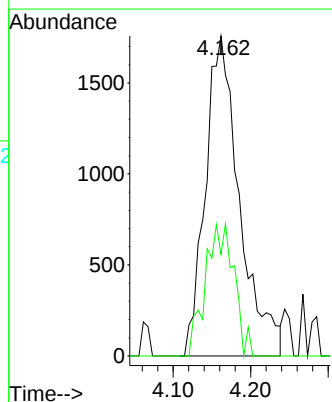
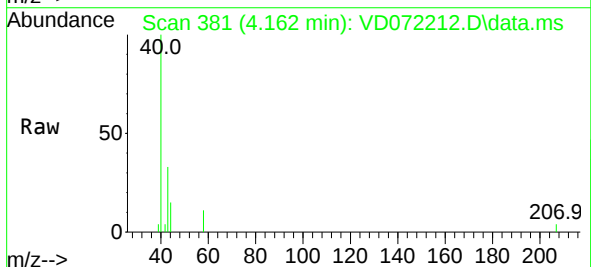
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

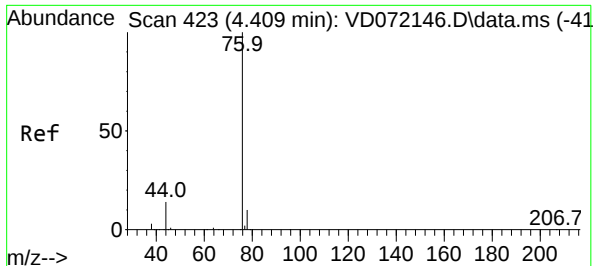
Tgt Ion: 59 Resp: 1000
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.223 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
58 31.7 22.1 33.1

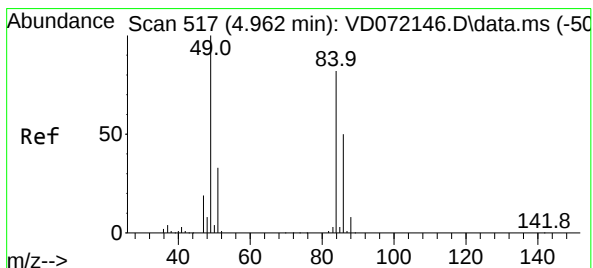
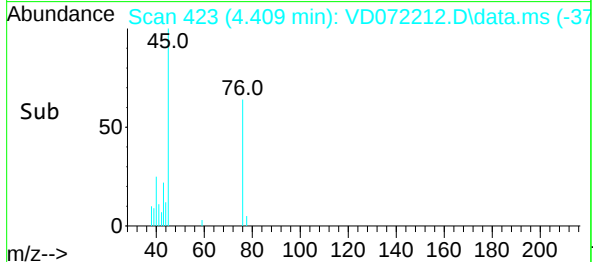
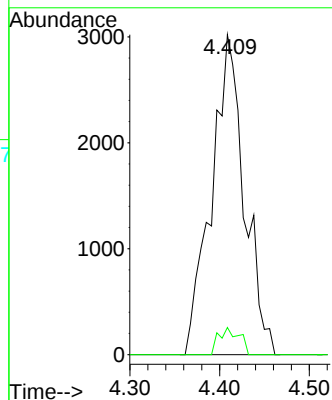
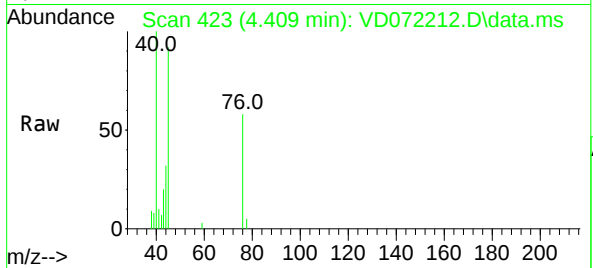




#17
Carbon Disulfide
Concen: 2.004 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

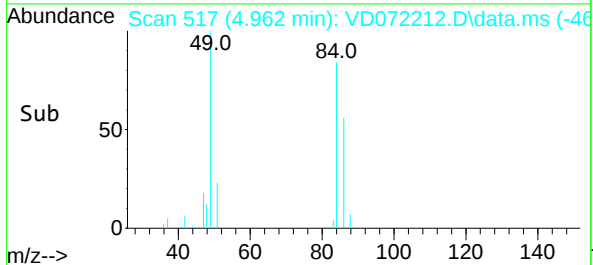
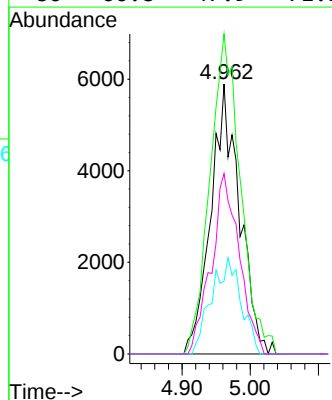
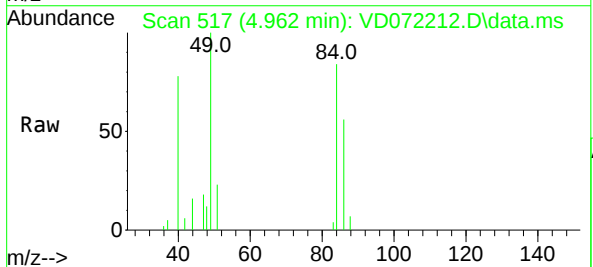
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

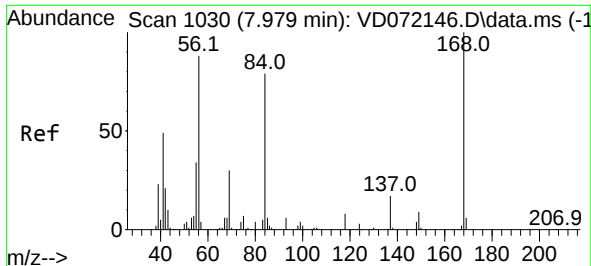
Tgt Ion: 76 Resp: 7685
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion: 84 Resp: 17286
Ion Ratio Lower Upper
84 100
49 118.5 112.8 169.2
51 26.9 32.6 48.8#
86 66.8 47.9 71.9





#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.985 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD072212.D

Acq: 16 Mar 2022 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBL01

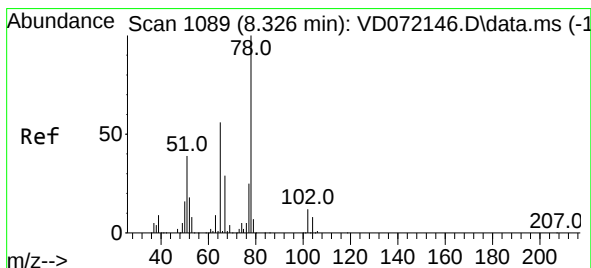
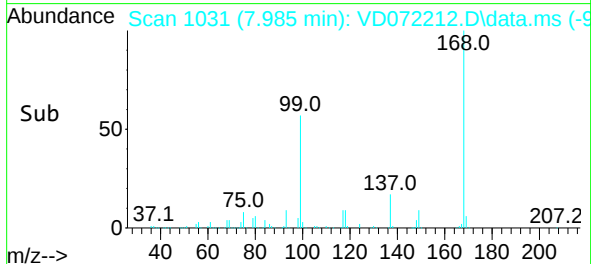
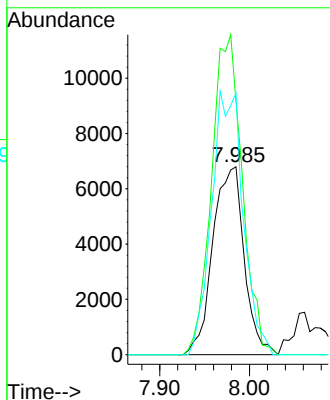
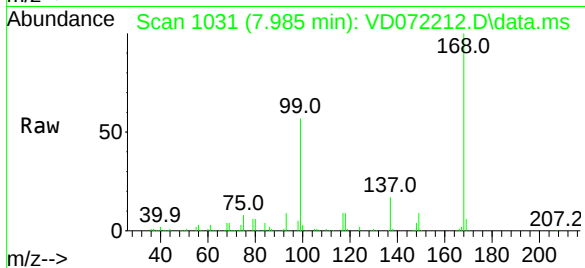
Tgt Ion: 56 Resp: 16471

Ion Ratio Lower Upper

56 100

69 134.8 25.4 38.2#

84 139.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 39.264 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072212.D

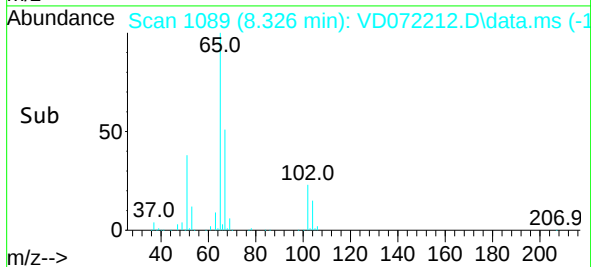
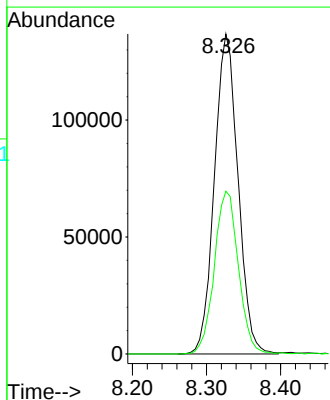
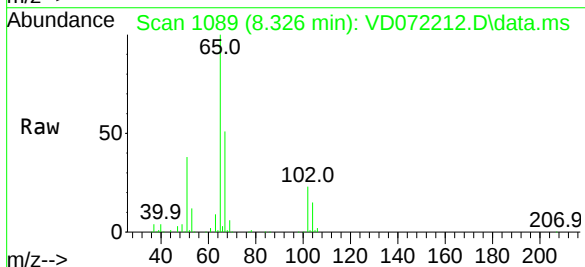
Acq: 16 Mar 2022 12:16

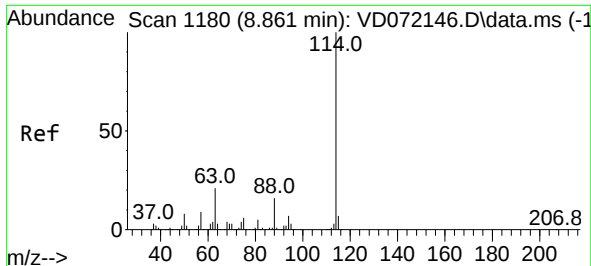
Tgt Ion: 65 Resp: 302349

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072212.D

Acq: 16 Mar 2022 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBL01

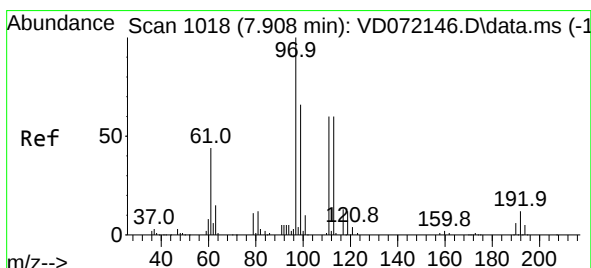
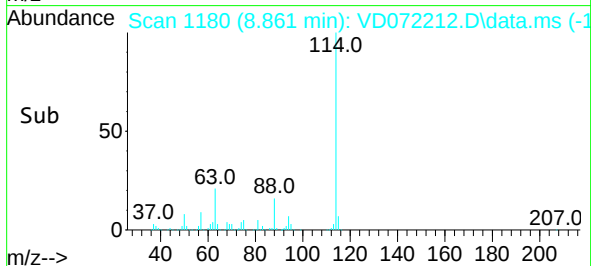
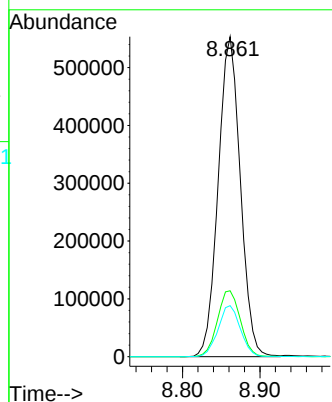
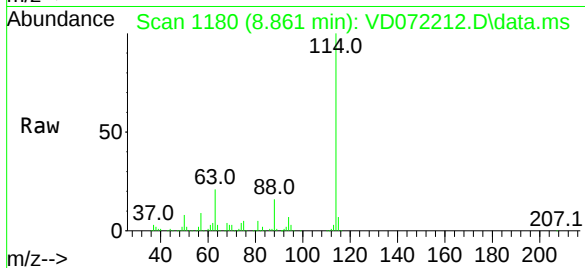
Tgt Ion:114 Resp: 1101564

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 42.138 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072212.D

Acq: 16 Mar 2022 12:16

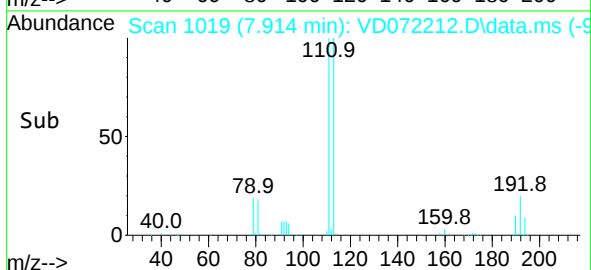
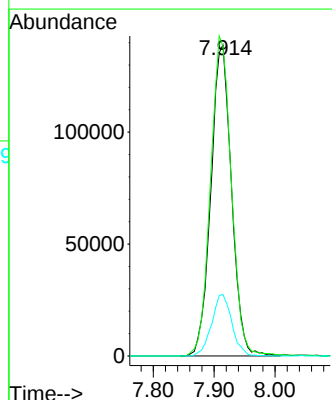
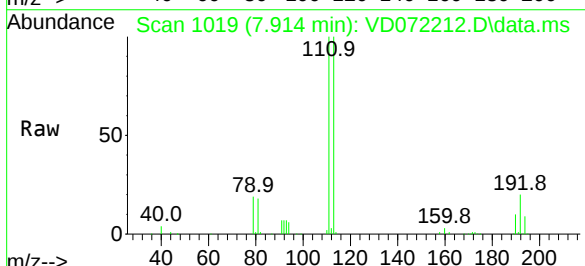
Tgt Ion:113 Resp: 326647

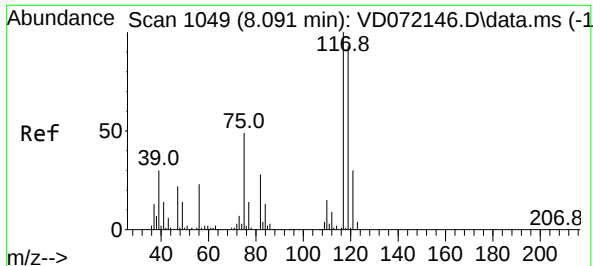
Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 19.4 14.6 21.8

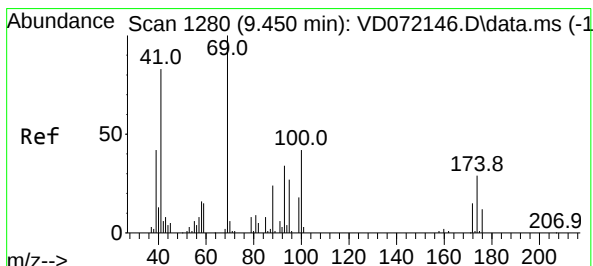
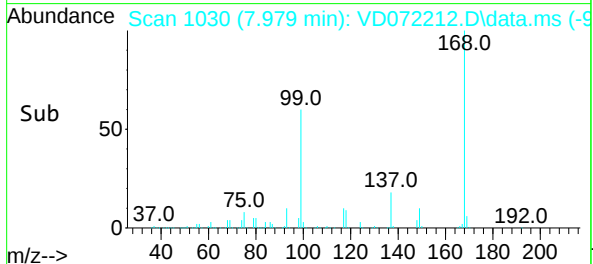
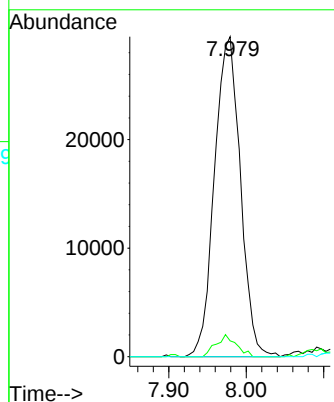
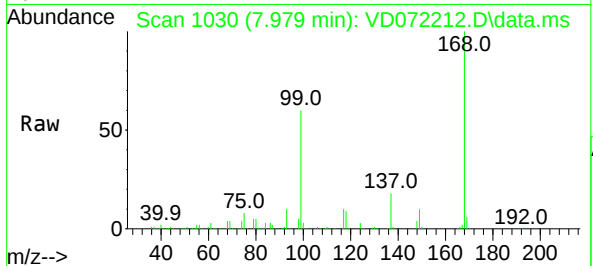




#38
Carbon Tetrachloride
Concen: 5.538 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

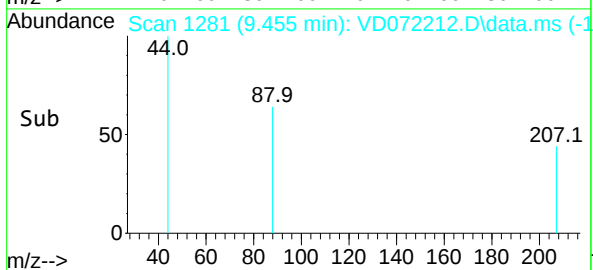
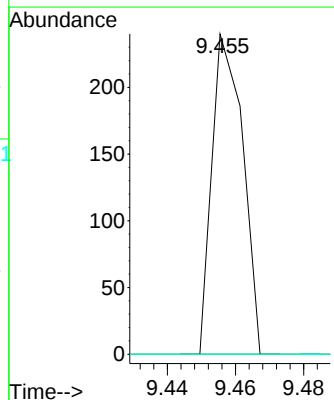
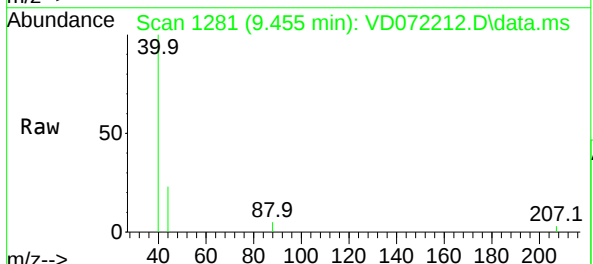
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

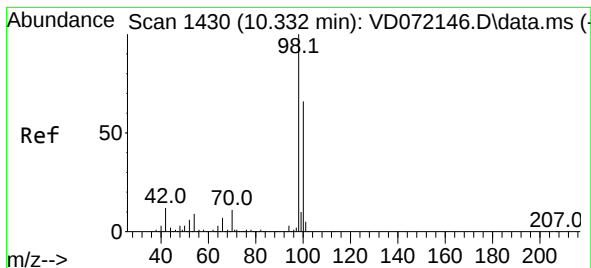
Tgt Ion:117 Resp: 68464
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 2.989 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion: 88 Resp: 150
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

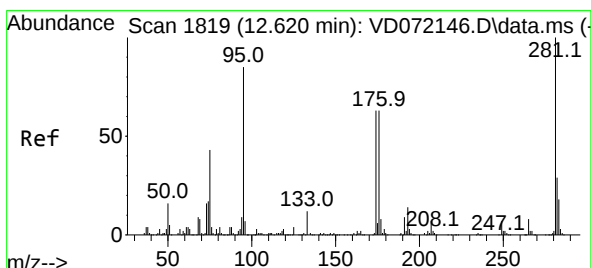
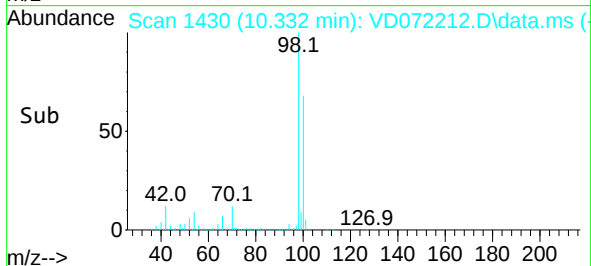
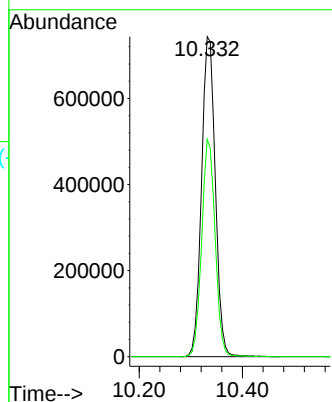
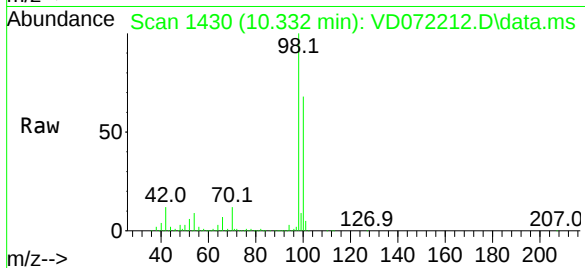




#50
Toluene-d8
Concen: 48.454 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

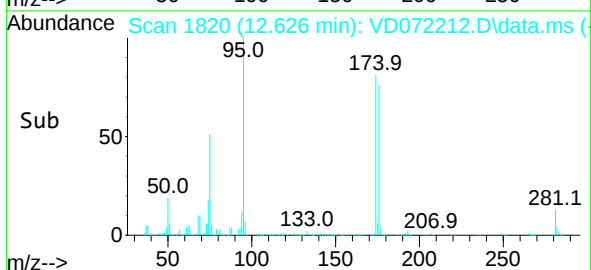
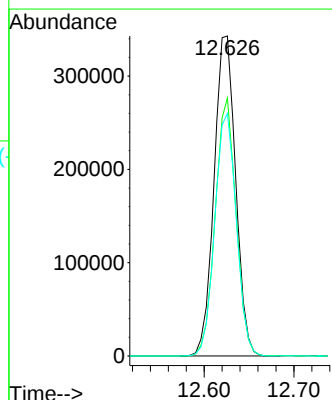
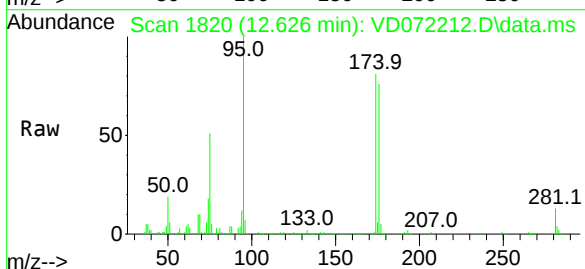
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

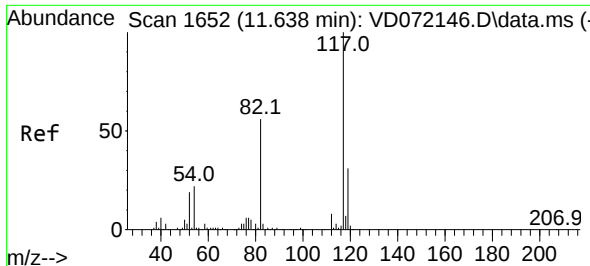
Tgt Ion: 98 Resp: 1373395
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.100 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion: 95 Resp: 573802
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 75.4 0.0 145.4

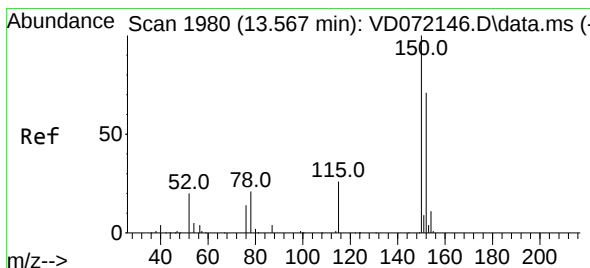
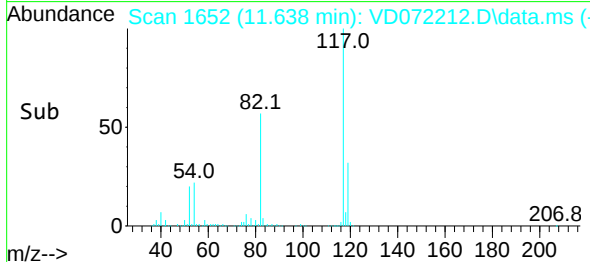
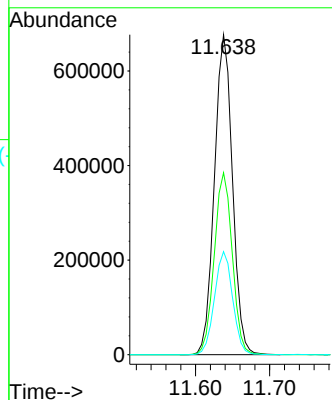
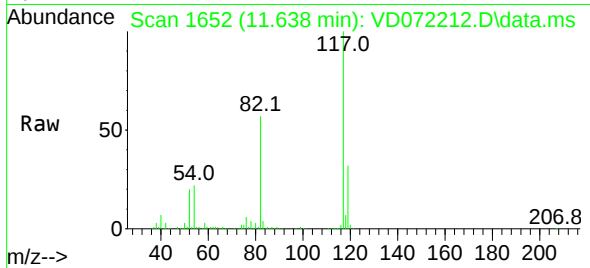




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

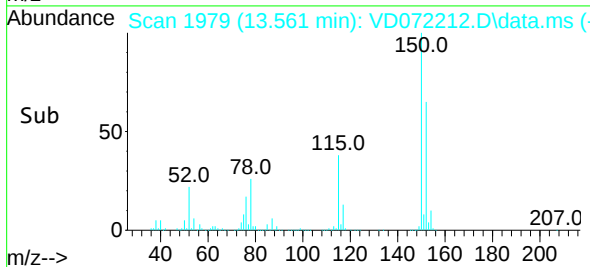
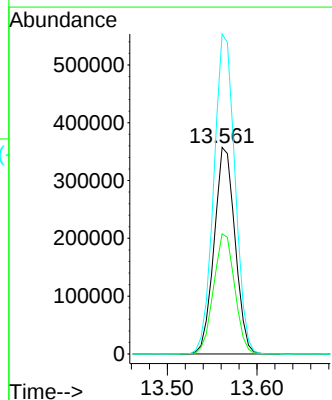
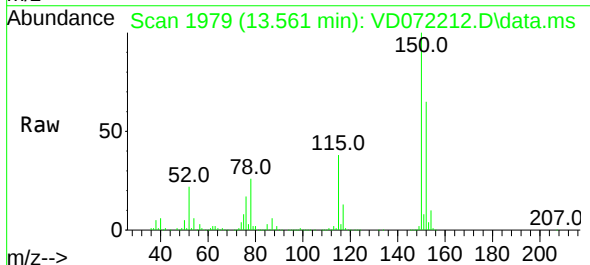
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

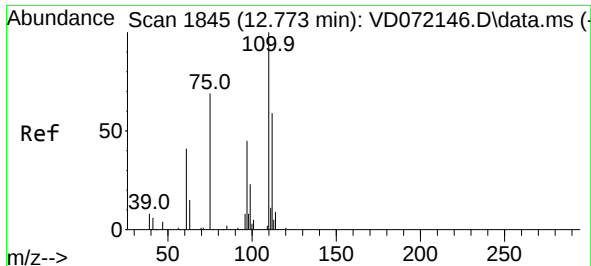
Tgt Ion:117 Resp: 1144433
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion:152 Resp: 578571
Ion Ratio Lower Upper
152 100
115 58.7 31.3 93.8
150 156.7 0.0 348.6

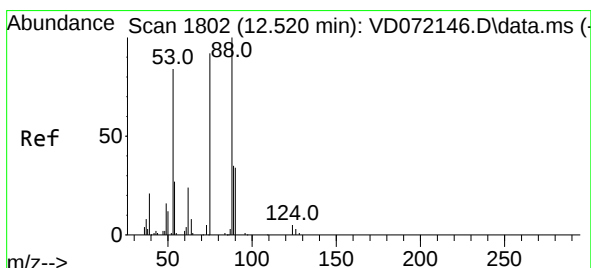
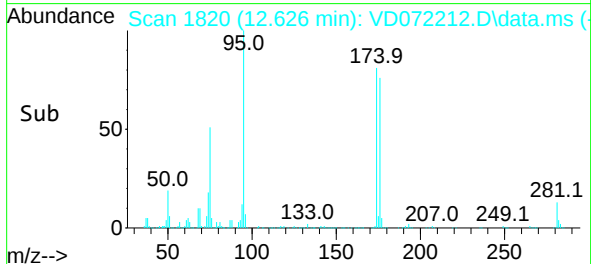
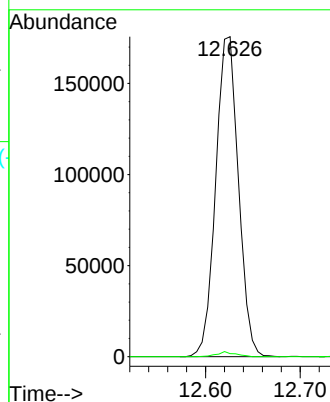
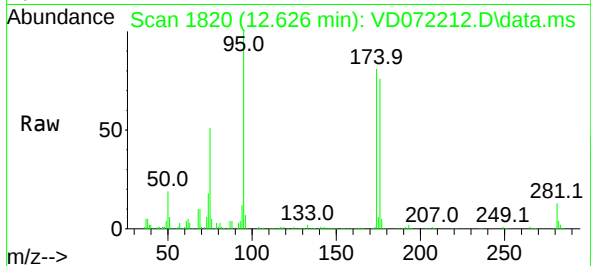




#76
1,2,3-Trichloropropane
Concen: 45.846 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Tgt Ion: 75 Resp: 292596
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.749 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072212.D
Acq: 16 Mar 2022 12:16

Tgt Ion: 75 Resp: 292596
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#

