

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010422\
 Data File : VD071594.D
 Acq On : 04 Jan 2022 15:44
 Operator : VA/SY
 Sample : M5329-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 05 01:28:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

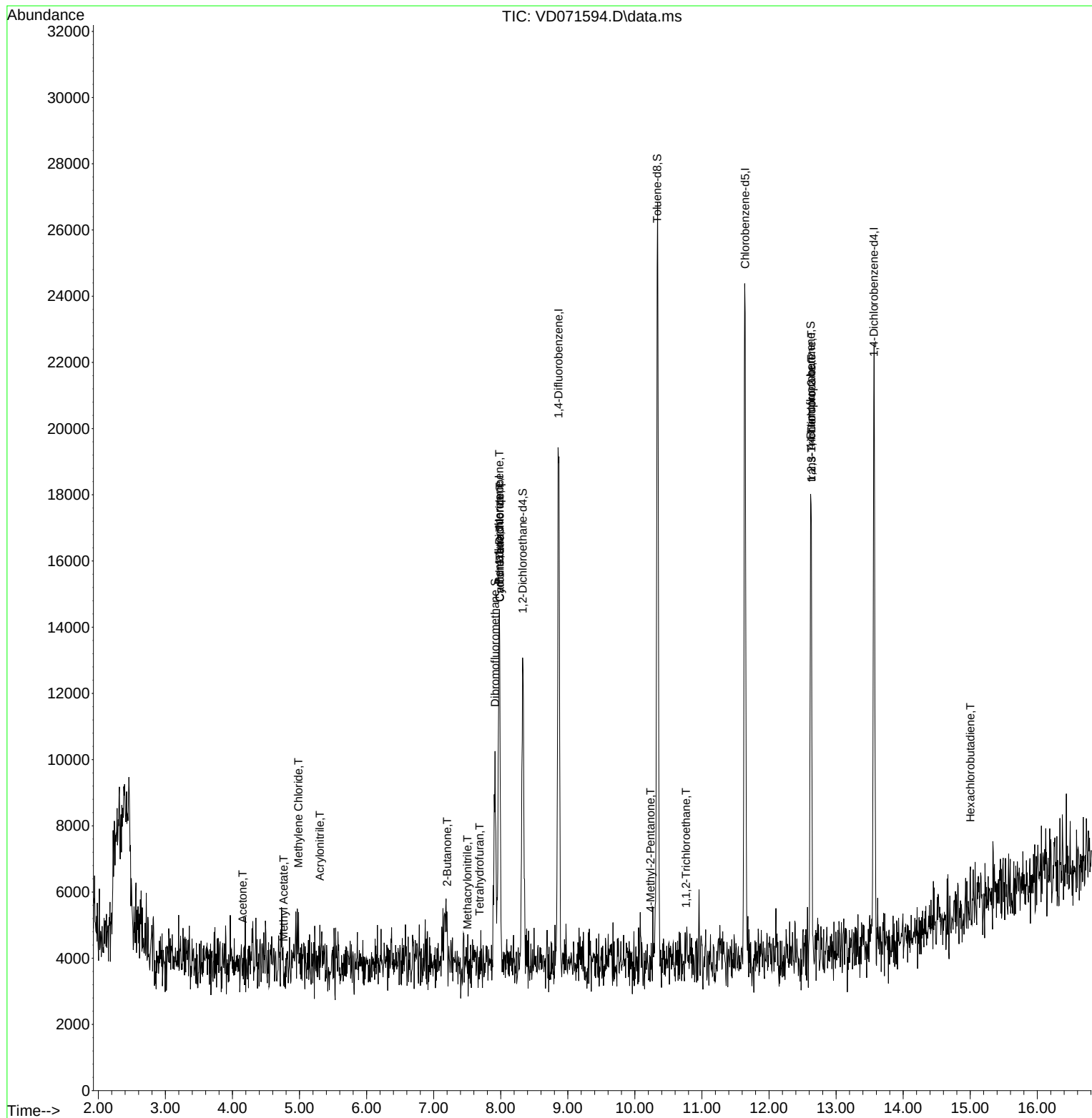
Internal Standards						
1) Pentafluorobenzene	7.973	168	6749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	12827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	11550	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7197	80.294	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.580%			
35) Dibromofluoromethane	7.914	113	4125	47.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.700%			
50) Toluene-d8	10.332	98	14928	45.822	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.640%			
62) 4-Bromofluorobenzene	12.620	95	4407	38.068	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.140%			
Target Compounds					Qvalue	
15) Acrylonitrile	5.303	53	53	2.830	ug/l #	19
16) Acetone	4.150	43	61	2.709	ug/l #	40
18) Methyl Acetate	4.762	43	76	1.094	ug/l #	51
20) Methylene Chloride	4.985	84	685	1.529	ug/l #	53
25) 2-Butanone	7.203	43	55	2.045	ug/l #	45
29) Tetrahydrofuran	7.685	42	56	3.468	ug/l #	34
31) Cyclohexane	7.985	56	213	1.399	ug/l #	17
36) 1,1-Dichloropropene	7.979	75	777	5.642	ug/l #	41
38) Carbon Tetrachloride	7.985	117	668	4.916	ug/l #	12
41) Methacrylonitrile	7.503	41	70	1.853	ug/l #	12
51) 4-Methyl-2-Pentanone	10.232	43	154	2.320	ug/l #	34
55) 1,1,2-Trichloroethane	10.761	97	75	1.113	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	2598	51.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.632	75	2598	145.129	ug/l #	18
94) Hexachlorobutadiene	15.002	225	68	1.669	ug/l #	19

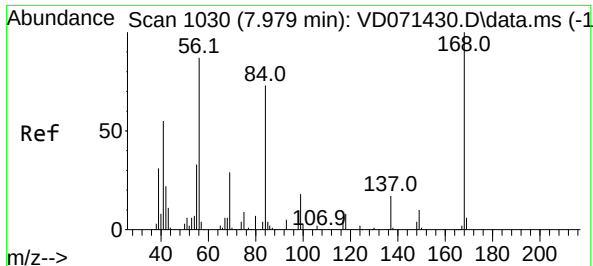
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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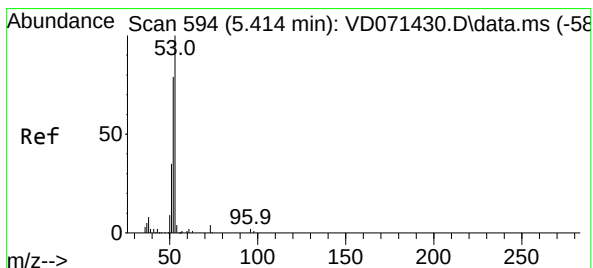
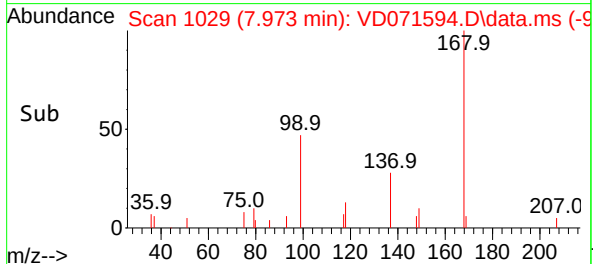
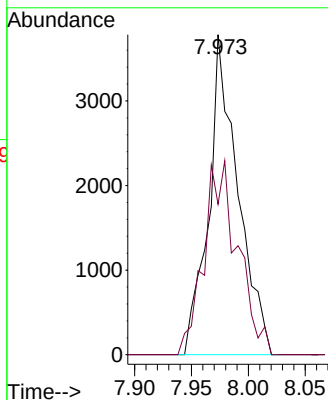
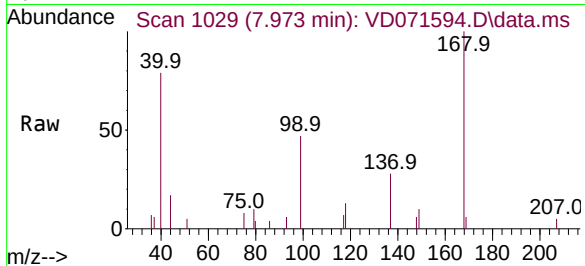




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

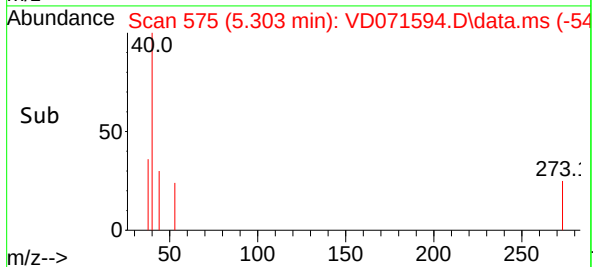
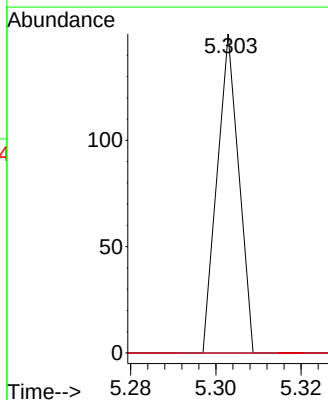
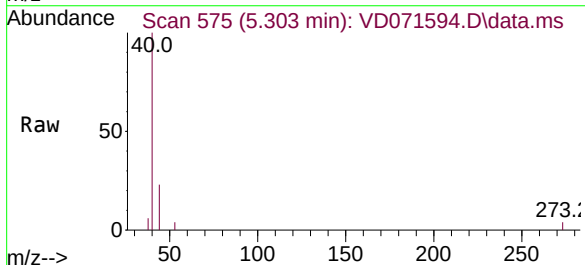
Instrument :
MSVOA_D
ClientSampleId :

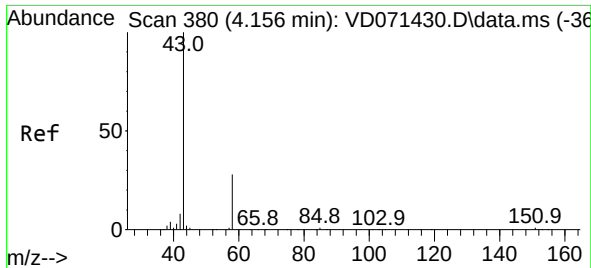
Tgt Ion:168 Resp: 6749
Ion Ratio Lower Upper
168 100
99 47.0 46.6 69.8



#15
Acrylonitrile
Concen: 2.830 ug/l
RT: 5.303 min Scan# 575
Delta R.T. -0.117 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Tgt Ion: 53 Resp: 53
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

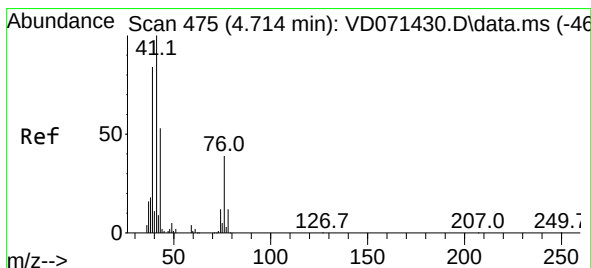
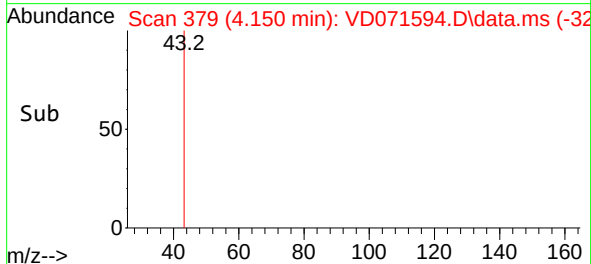
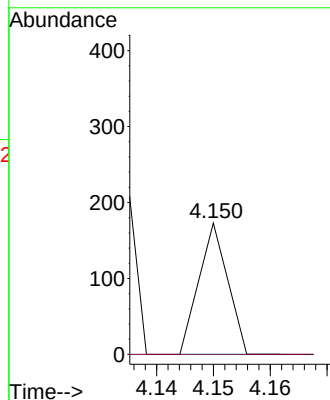
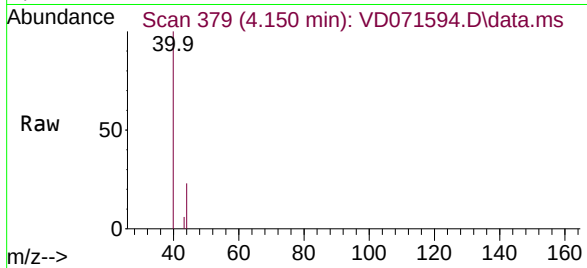




#16
Acetone
Concen: 2.709 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

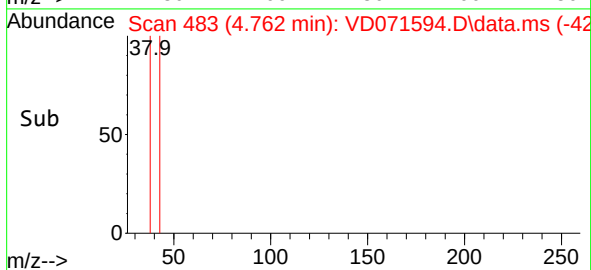
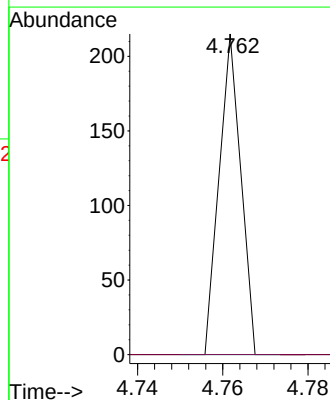
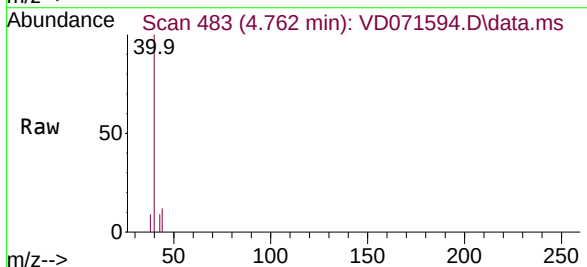
Instrument :
MSVOA_D
ClientSampleId :

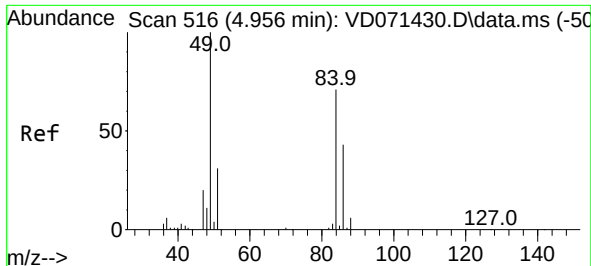
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.094 ug/l
RT: 4.762 min Scan# 483
Delta R.T. 0.042 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

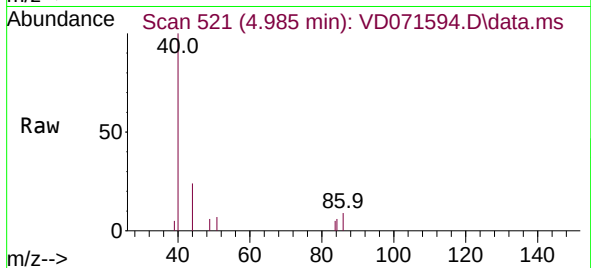
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



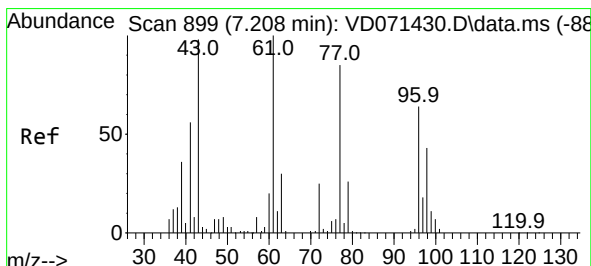
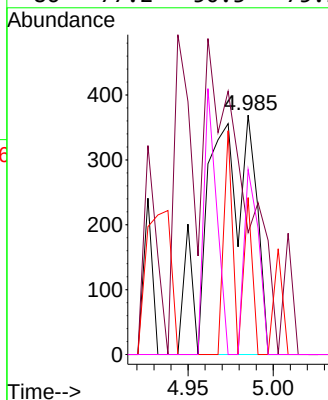
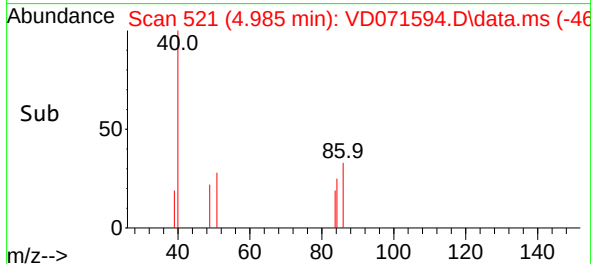


#20
Methylene Chloride
Concen: 1.529 ug/l
RT: 4.985 min Scan# 516
Delta R.T. 0.024 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

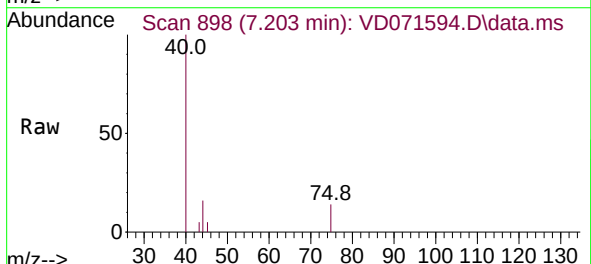
Instrument :
MSVOA_D
ClientSampleId :



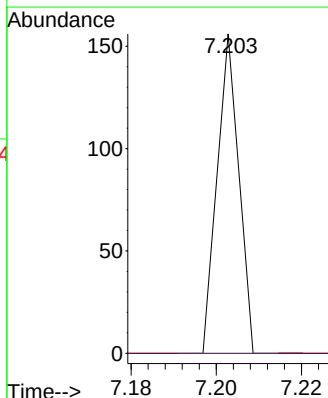
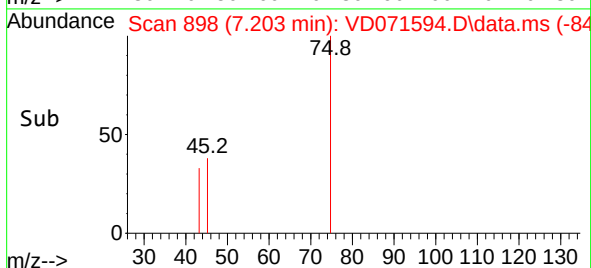
Tgt Ion: 84 Resp: 685
Ion Ratio Lower Upper
84 100
49 50.9 95.8 143.6#
51 65.6 30.9 46.3#
86 77.2 50.3 75.5#

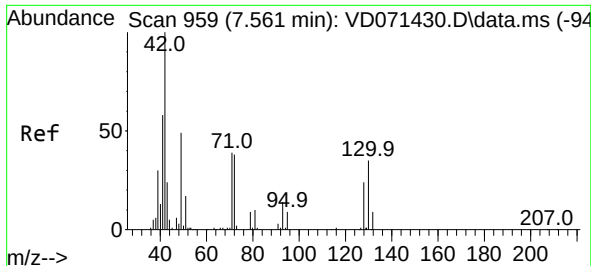


#25
2-Butanone
Concen: 2.045 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44



Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 3.468 ug/l

RT: 7.685 min Scan# 91

Delta R.T. 0.130 min

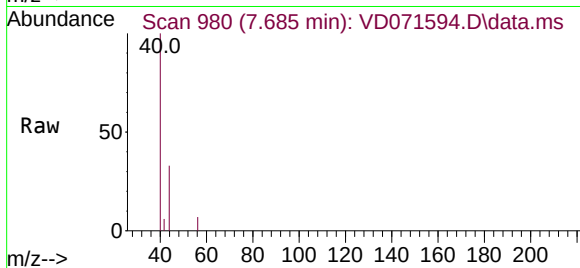
Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

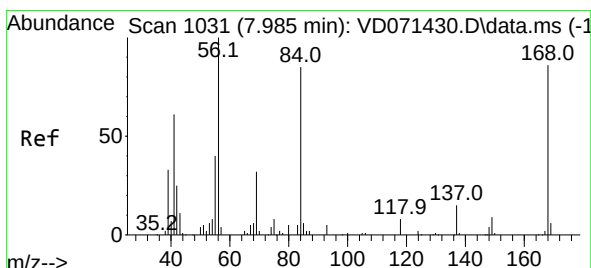
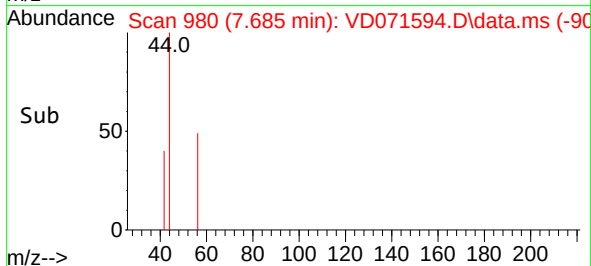
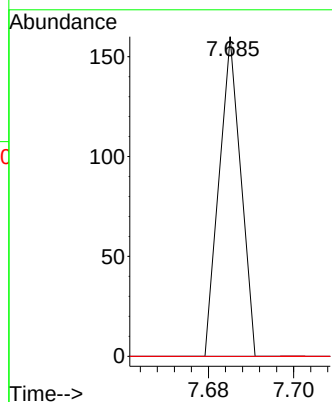
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	56
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#31

Cyclohexane

Concen: 1.399 ug/l

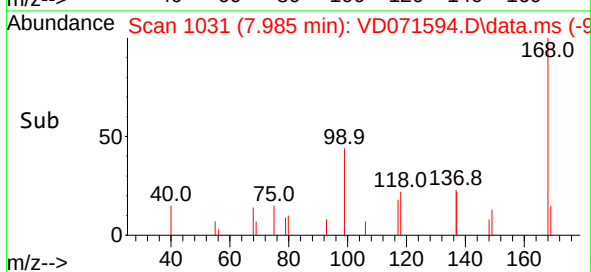
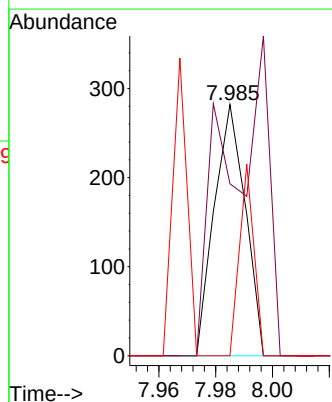
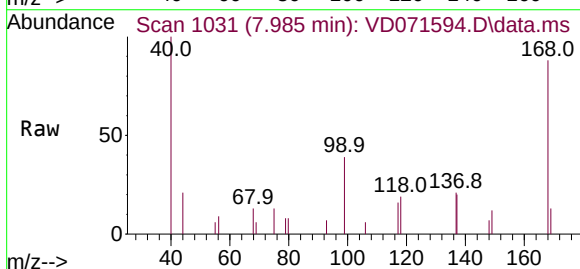
RT: 7.985 min Scan# 1031

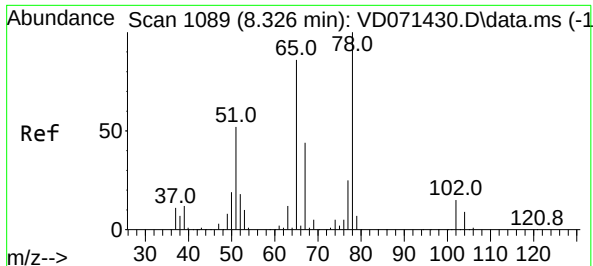
Delta R.T. 0.000 min

Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

Tgt Ion:	56	Resp:	213
Ion	Ratio	Lower	Upper
56	100		
69	68.4	25.9	38.9#
84	0.0	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 80.294 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

Instrument :

MSVOA_D

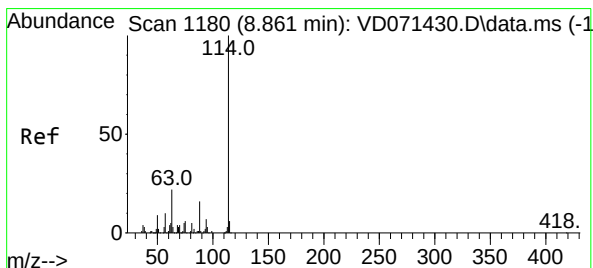
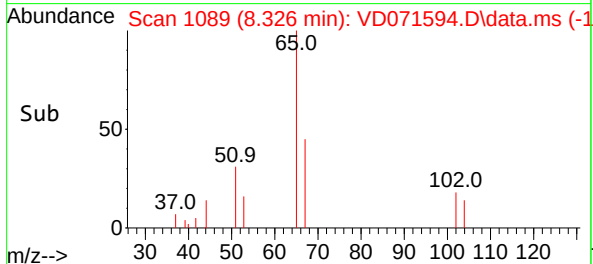
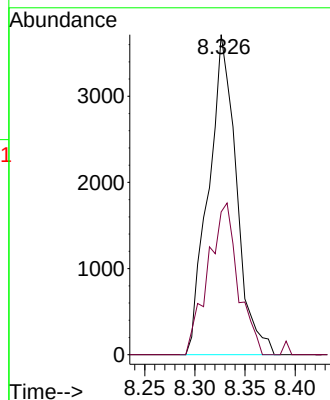
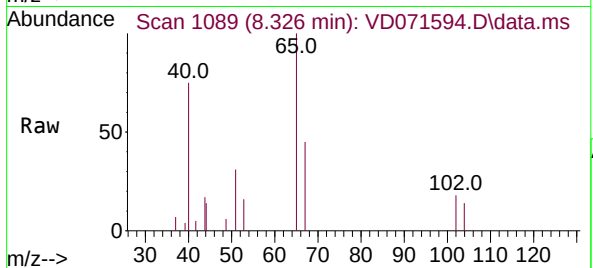
ClientSampleId :

Tgt Ion: 65 Resp: 7197

Ion Ratio Lower Upper

65 100

67 50.9 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

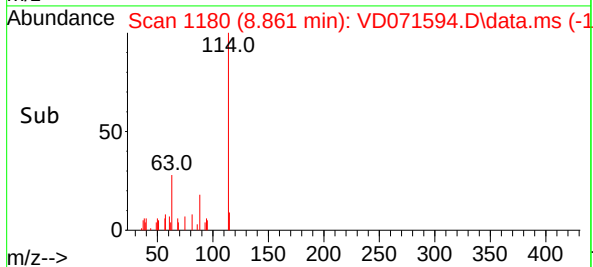
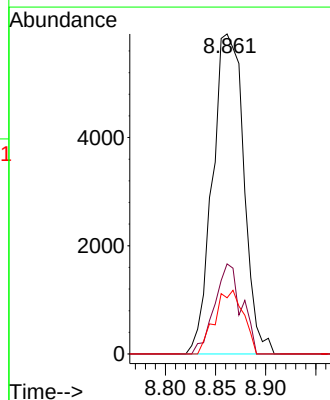
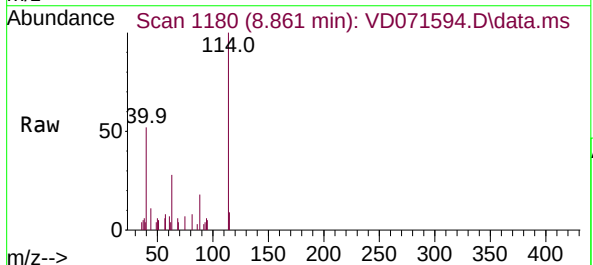
Tgt Ion: 114 Resp: 12827

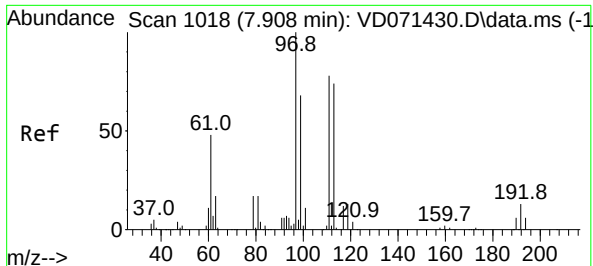
Ion Ratio Lower Upper

114 100

63 28.2 0.0 41.8

88 17.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.850 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

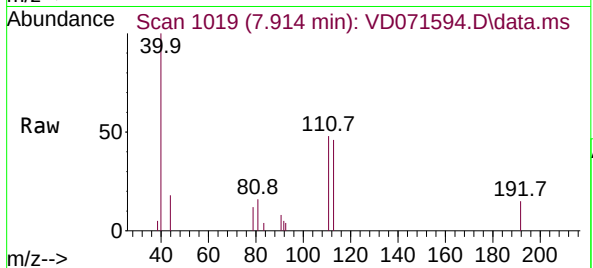
Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

Instrument :

MSVOA_D

ClientSampleId :



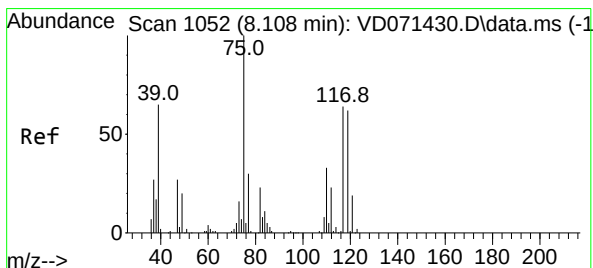
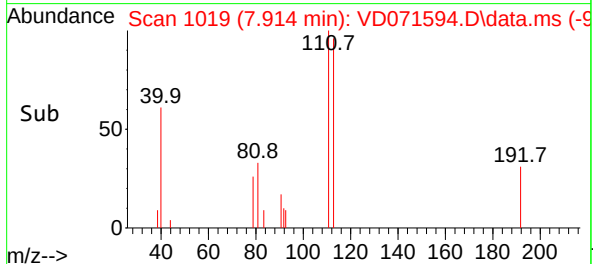
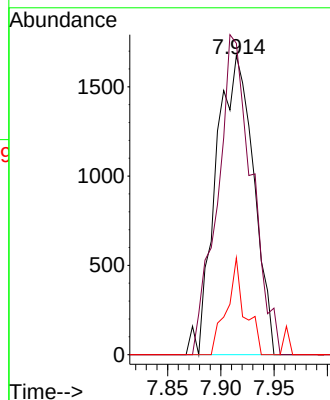
Tgt Ion:113 Resp: 4125

Ion Ratio Lower Upper

113 100

111 97.3 82.0 123.0

192 15.7 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.642 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

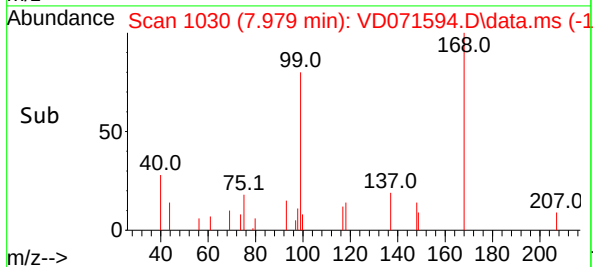
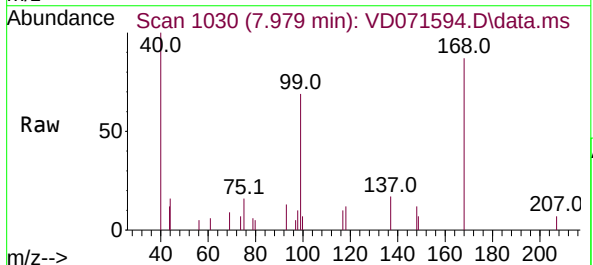
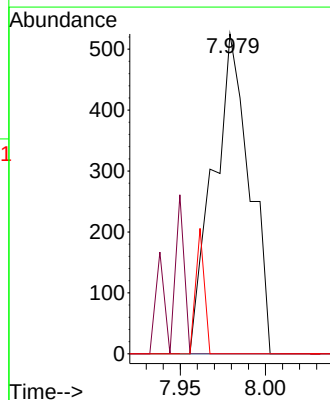
Tgt Ion: 75 Resp: 777

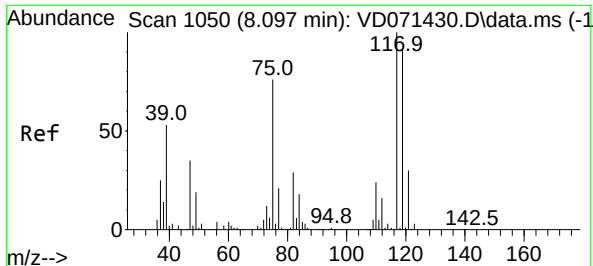
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

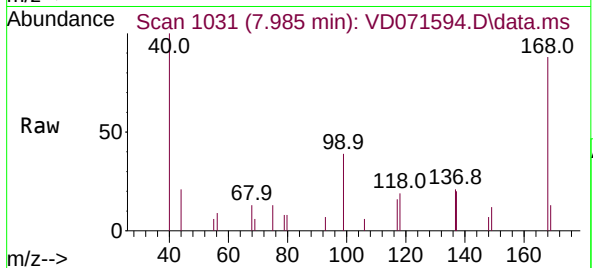
77 0.0 24.8 37.2#



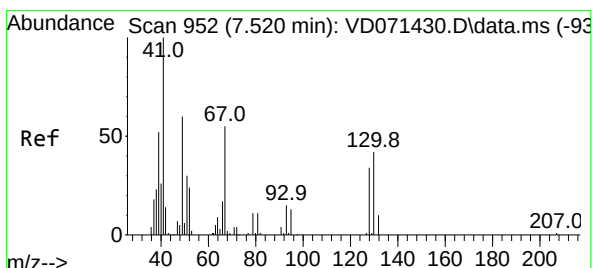
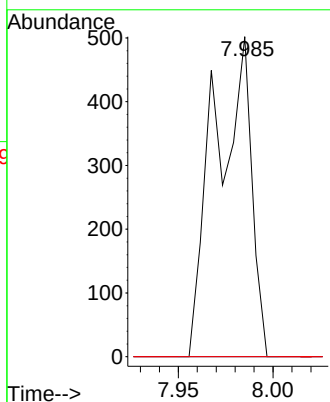
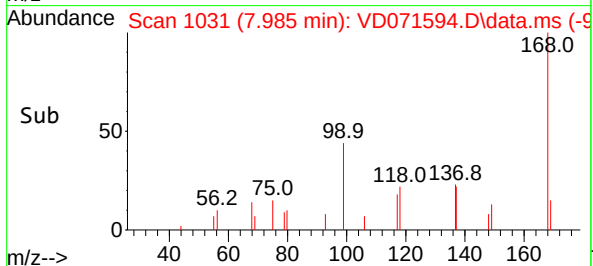


#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 7.985 min Scan# 1050
Delta R.T. -0.112 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Instrument :
MSVOA_D
ClientSampleId :

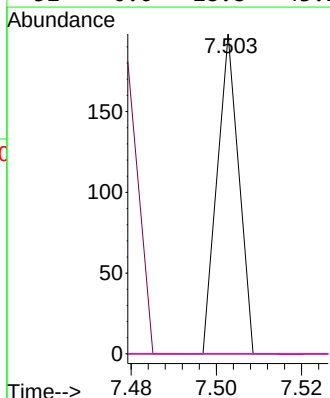
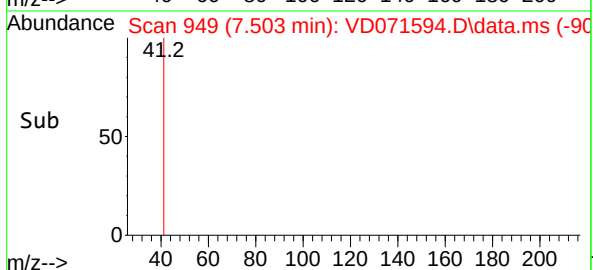
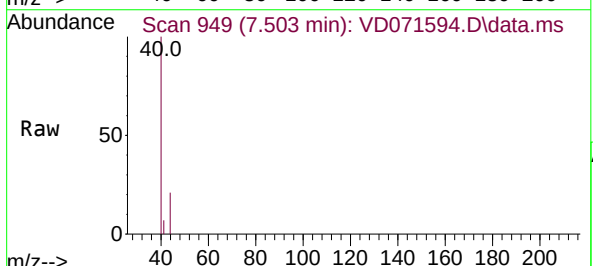


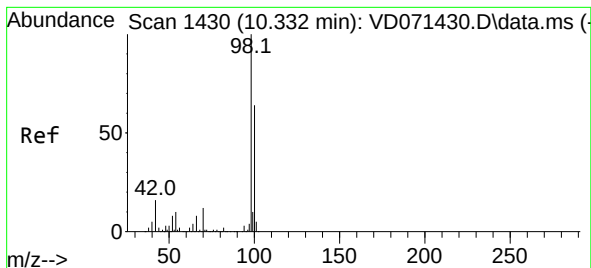
Tgt Ion:117 Resp: 668
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.853 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.023 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#50

Toluene-d8

Concen: 45.822 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

Instrument :

MSVOA_D

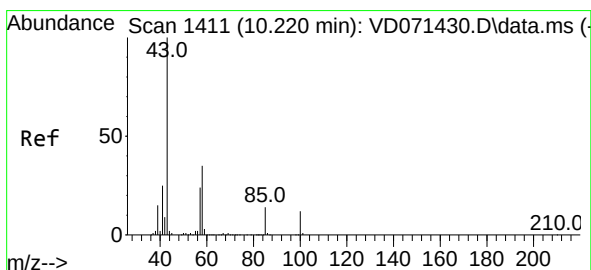
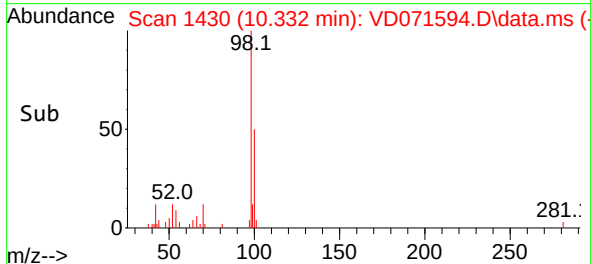
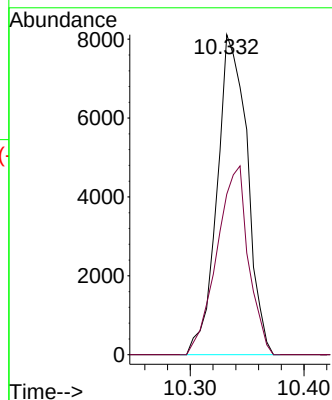
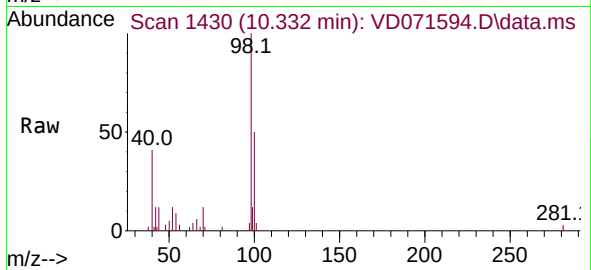
ClientSampleId :

Tgt Ion: 98 Resp: 14928

Ion Ratio Lower Upper

98 100

100 61.9 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 2.320 ug/l

RT: 10.232 min Scan# 1413

Delta R.T. 0.012 min

Lab File: VD071594.D

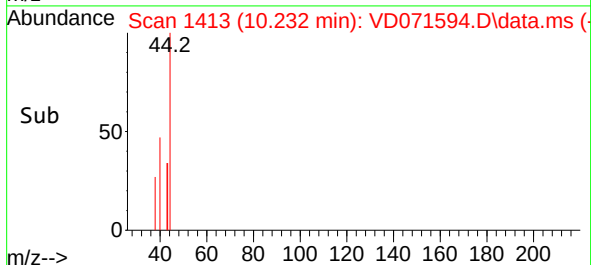
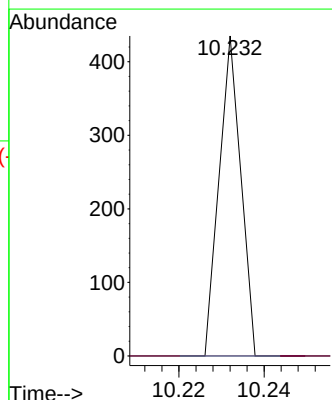
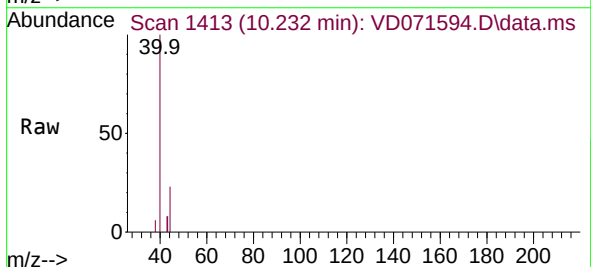
Acq: 04 Jan 2022 15:44

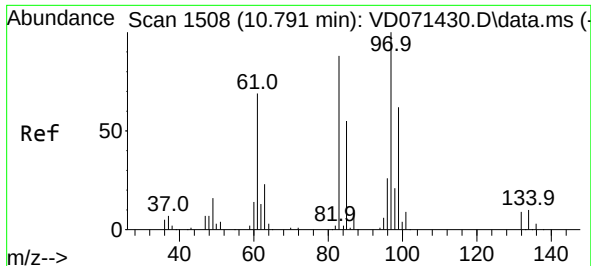
Tgt Ion: 43 Resp: 154

Ion Ratio Lower Upper

43 100

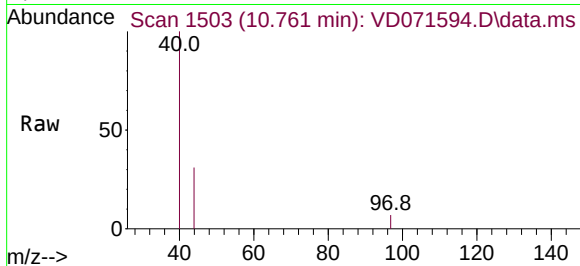
58 0.0 33.1 49.7#



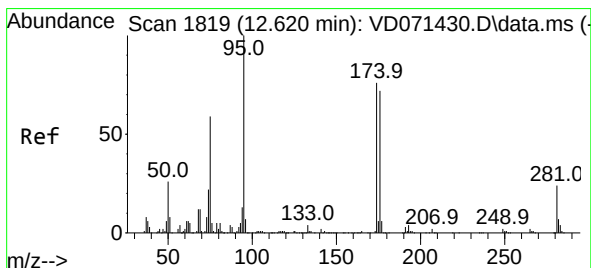
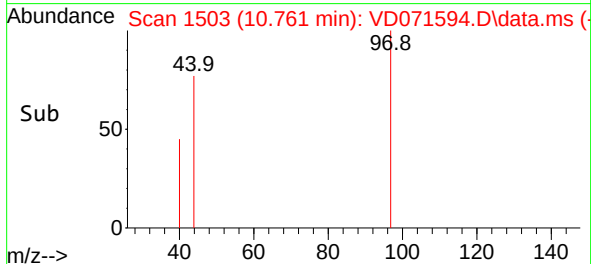
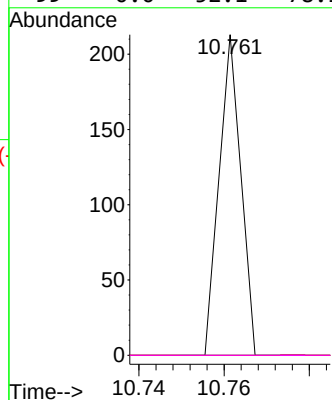


#55
1,1,2-Trichloroethane
Concen: 1.113 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Instrument :
MSVOA_D
ClientSampleId :

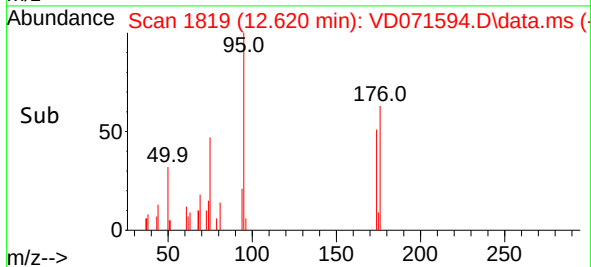
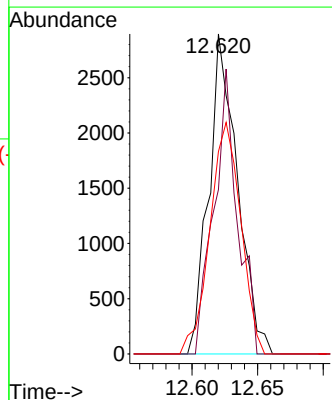
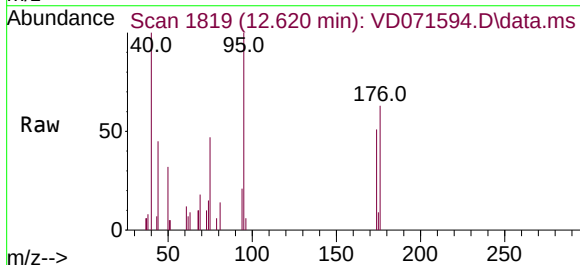


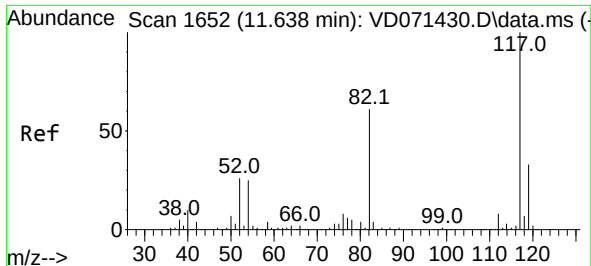
Tgt Ion:	97	Resp:	75
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.2	97.8#
85	0.0	43.4	65.0#
99	0.0	52.1	78.1#



#62
4-Bromofluorobenzene
Concen: 38.068 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

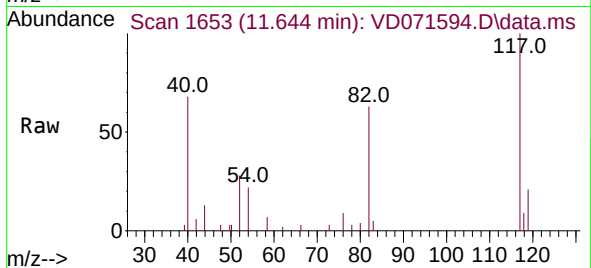
Tgt Ion:	95	Resp:	4407
Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	159.4
176	78.0	0.0	154.0



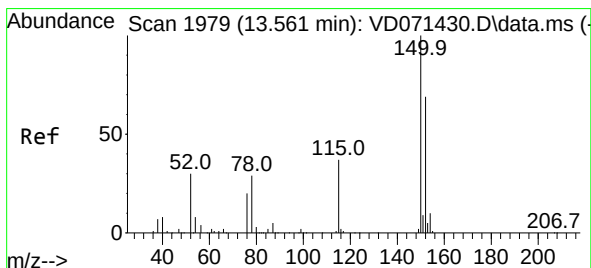
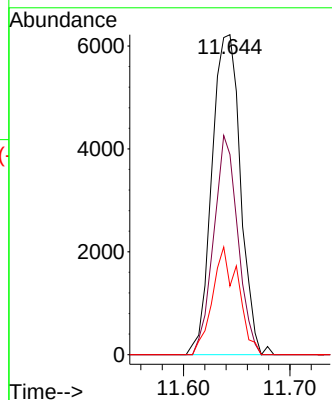
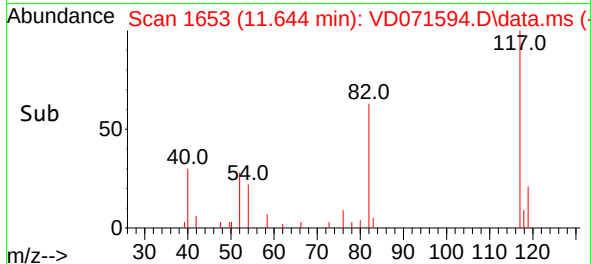


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Instrument :
MSVOA_D
ClientSampleId :

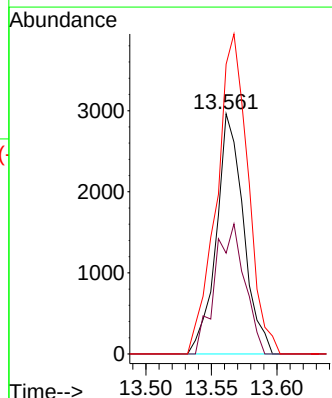
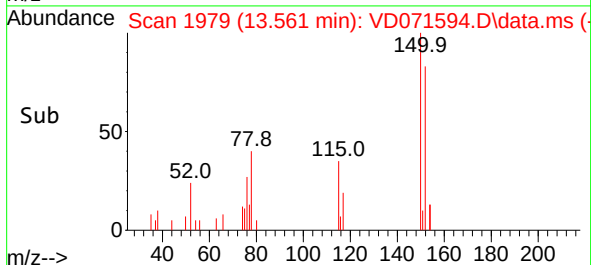
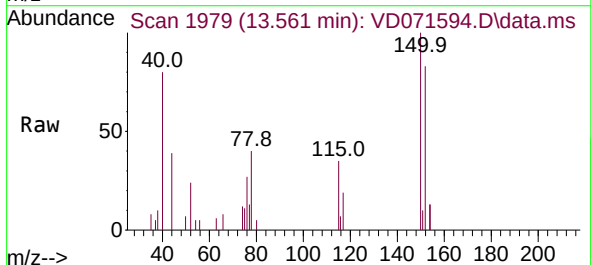


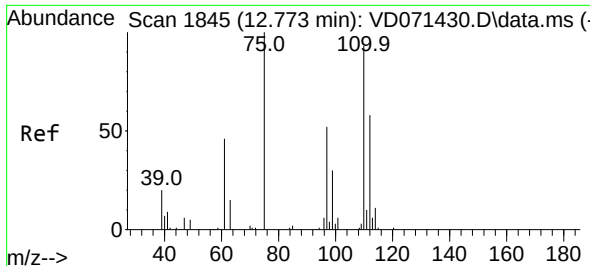
Tgt Ion:117 Resp: 11550
Ion Ratio Lower Upper
117 100
82 62.6 44.7 67.1
119 21.4 26.2 39.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Tgt Ion:152 Resp: 4257
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 154.0 0.0 349.2

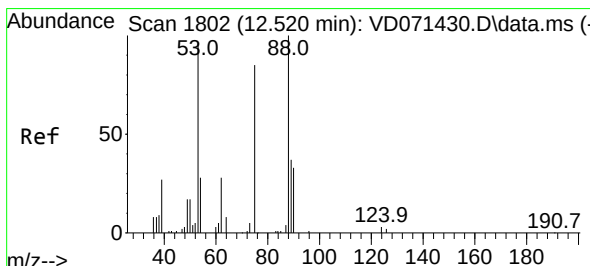
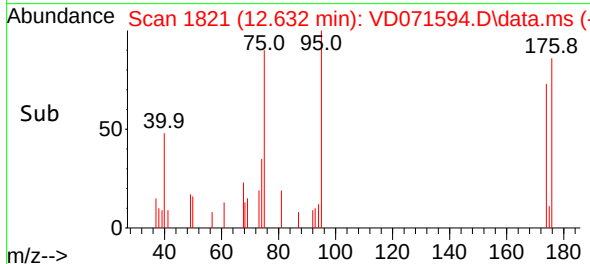
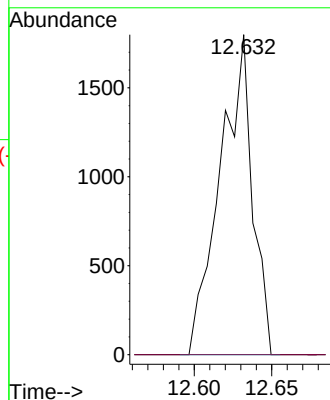
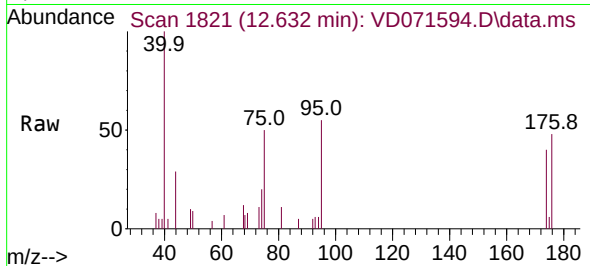




#76
1,2,3-Trichloropropane
Concen: 51.363 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

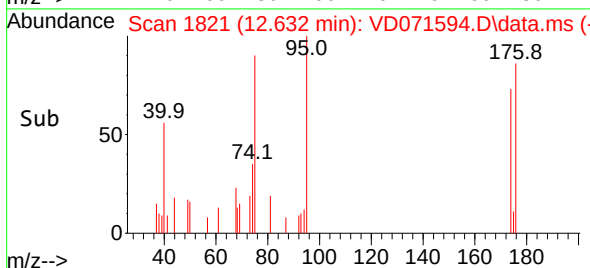
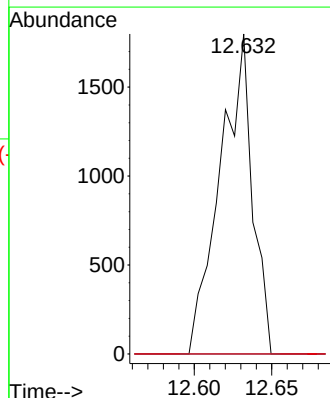
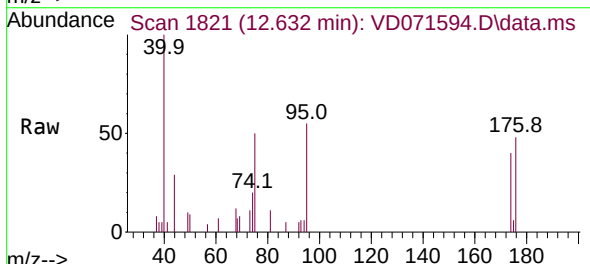
Instrument :
MSVOA_D
ClientSampleId :

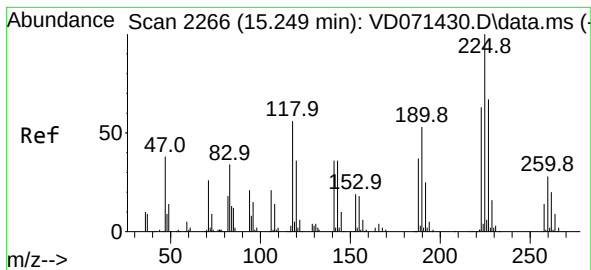
Tgt Ion: 75 Resp: 2598
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.129 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD071594.D
Acq: 04 Jan 2022 15:44

Tgt Ion: 75 Resp: 2598
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#94

Hexachlorobutadiene

Concen: 1.669 ug/l

RT: 15.002 min Scan# 21

Delta R.T. -0.247 min

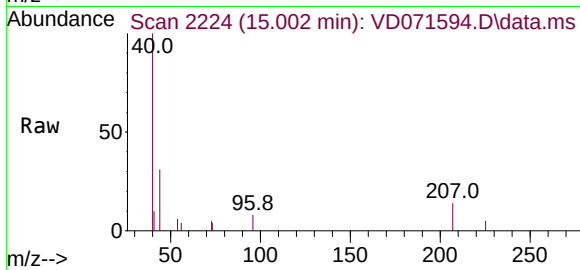
Lab File: VD071594.D

Acq: 04 Jan 2022 15:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	225	Resp:	68
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.8	95.3#
227	0.0	31.6	94.8#

