

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071673.D
 Acq On : 11 Jan 2022 16:20
 Operator : VA/SY
 Sample : N1103-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-011122

Quant Time: Jan 12 04:27:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	336172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	639760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	528003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	174537	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	227322	52.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.100%	
35) Dibromofluoromethane	7.908	113	208712	49.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.720%	
50) Toluene-d8	10.332	98	794373	50.191	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.626	95	209880	37.633	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.260%	

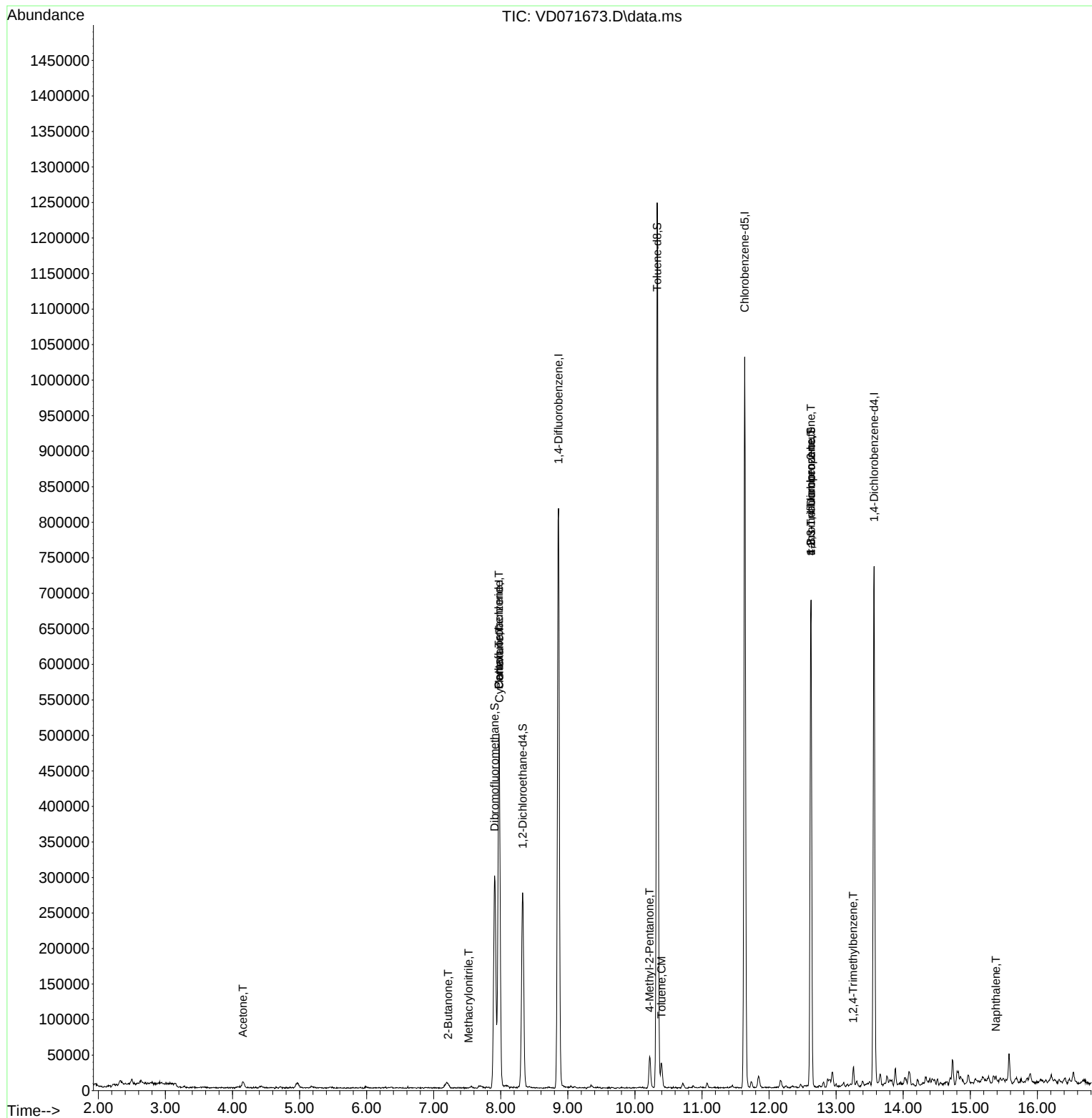
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.985	85	769	Below Cal	#	43
3) Chloromethane	2.215	50	870	Below Cal	#	1
5) Bromomethane	2.779	94	357	Below Cal		84
11) Tert butyl alcohol	5.214	59	622	Below Cal	#	75
16) Acetone	4.156	43	15055	15.075	ug/l	90
18) Methyl Acetate	4.720	43	402	Below Cal	#	56
20) Methylene Chloride	4.967	84	5292	Below Cal	#	76
25) 2-Butanone	7.214	43	5476	4.641	ug/l	# 89
31) Cyclohexane	7.979	56	12017	2.315	ug/l	# 50
38) Carbon Tetrachloride	7.973	117	37496	6.139	ug/l	# 19
41) Methacrylonitrile	7.520	41	70	1.170	ug/l	# 25
51) 4-Methyl-2-Pentanone	10.220	43	31159	11.195	ug/l	97
52) Toluene	10.397	92	12631	1.208	ug/l	100
76) 1,2,3-Trichloropropane	12.626	75	120323	71.344	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	120323	198.899	ug/l	# 3
84) 1,2,4-Trimethylbenzene	13.255	105	12452	1.201	ug/l	96
95) Naphthalene	15.384	128	6437	1.316	ug/l	97

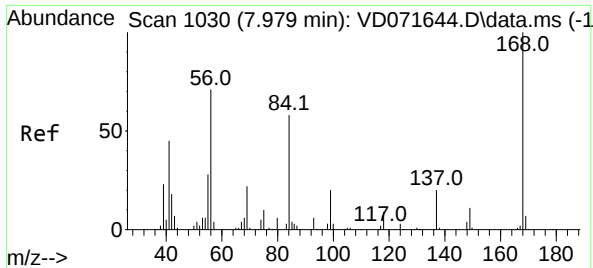
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

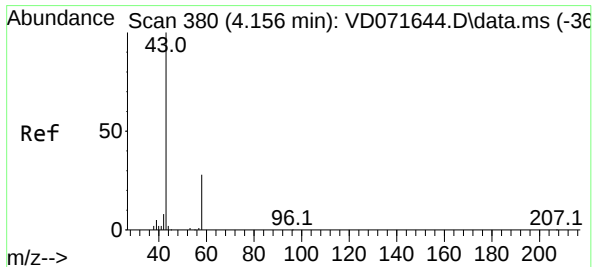
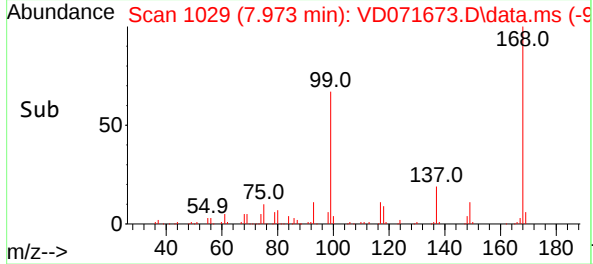
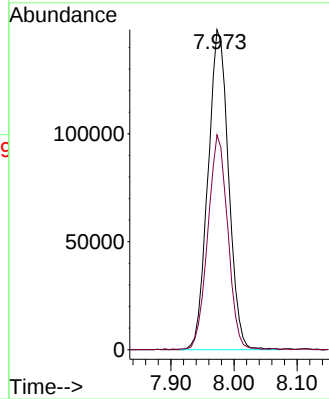
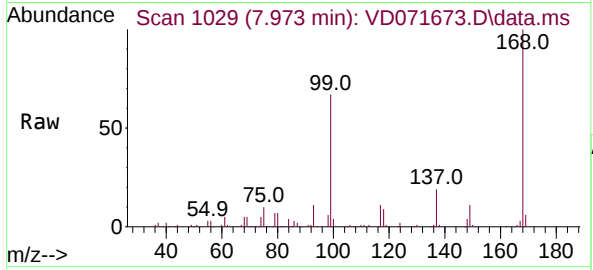




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

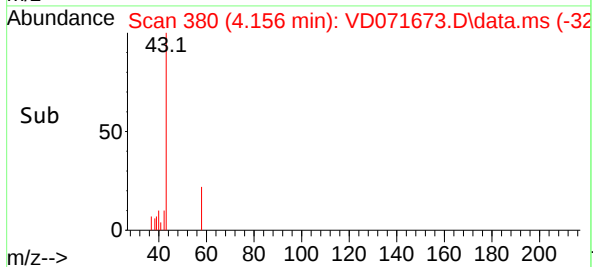
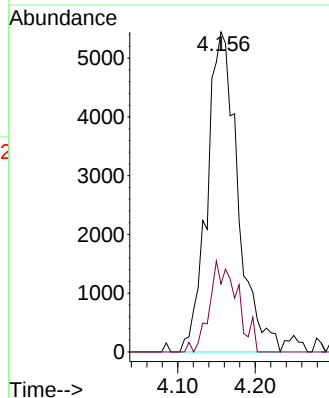
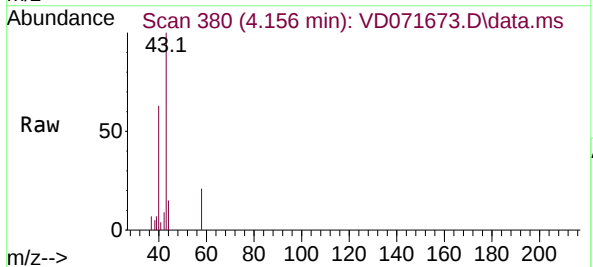
Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

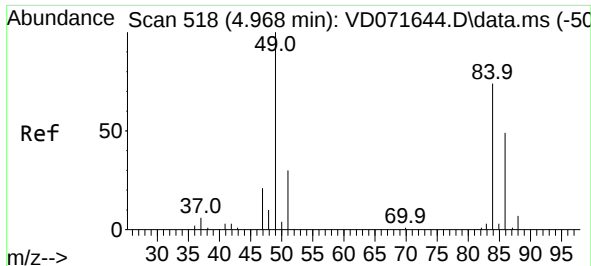
Tgt Ion:168 Resp: 336172
Ion Ratio Lower Upper
168 100
99 67.1 51.8 77.6



#16
Acetone
Concen: 15.075 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion: 43 Resp: 15055
Ion Ratio Lower Upper
43 100
58 21.3 21.0 31.6

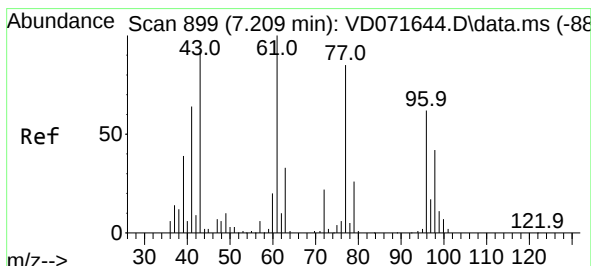
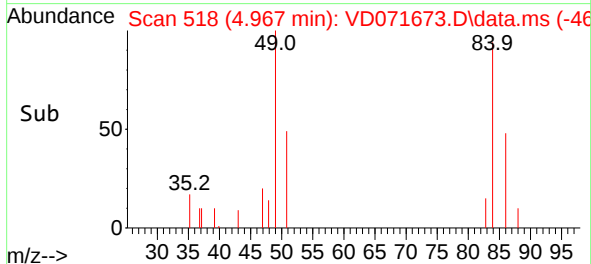
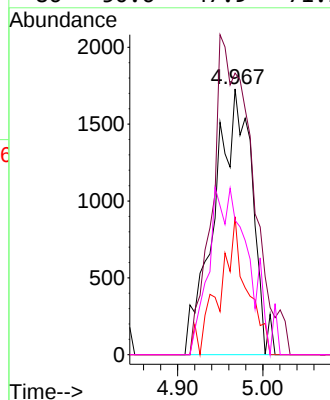
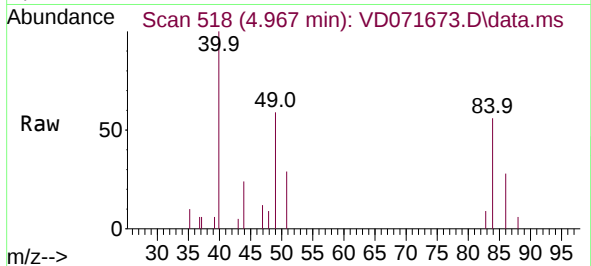




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

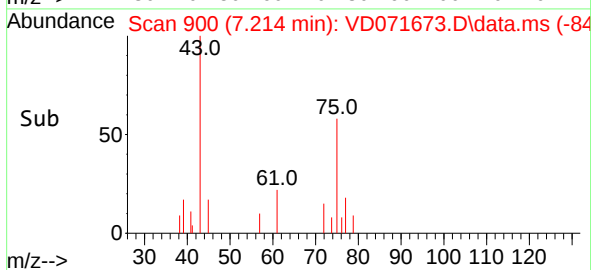
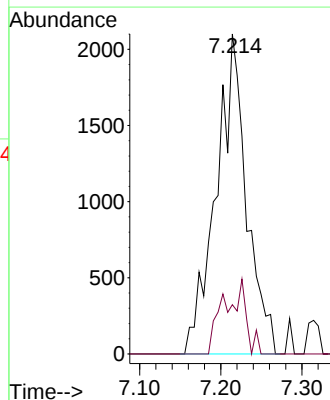
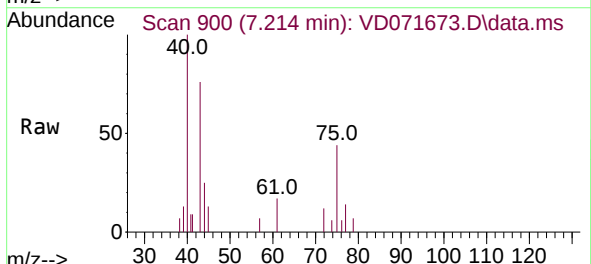
Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

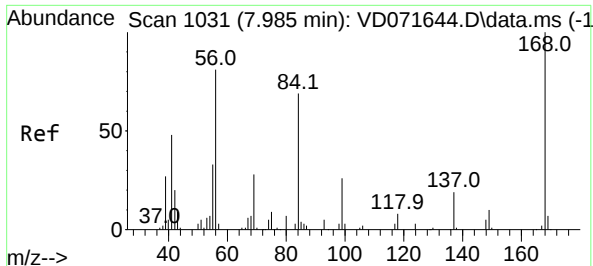
Tgt Ion:	84	Resp:	5292
Ion	Ratio	Lower	Upper
84	100		
49	106.0	118.6	178.0#
51	51.9	37.8	56.6
86	50.6	47.9	71.9



#25
2-Butanone
Concen: 4.641 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion:	43	Resp:	5476
Ion	Ratio	Lower	Upper
43	100		
72	15.4	16.4	24.6#





#31

Cyclohexane

Concen: 2.315 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VD071673.D

Acq: 11 Jan 2022 16:20

Instrument :

MSVOA_D

ClientSampleId :

CL-01-011122

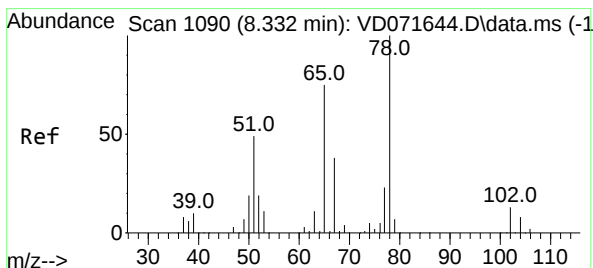
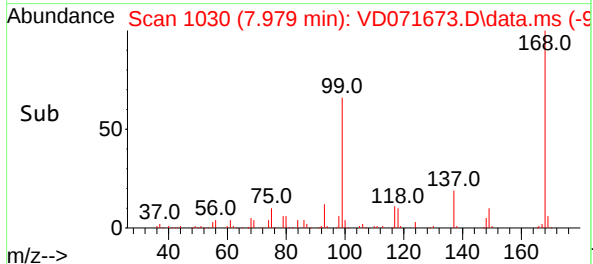
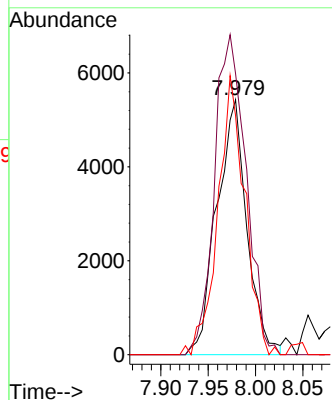
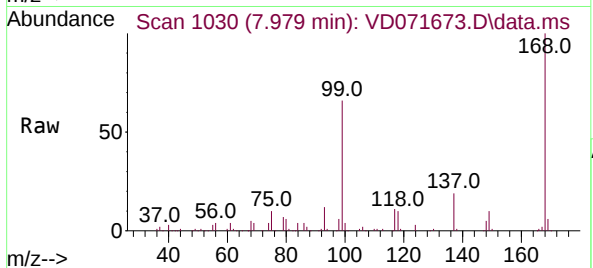
Tgt Ion: 56 Resp: 12017

Ion Ratio Lower Upper

56 100

69 110.3 21.7 32.5#

84 93.8 65.7 98.5



#33

1,2-Dichloroethane-d4

Concen: 52.553 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071673.D

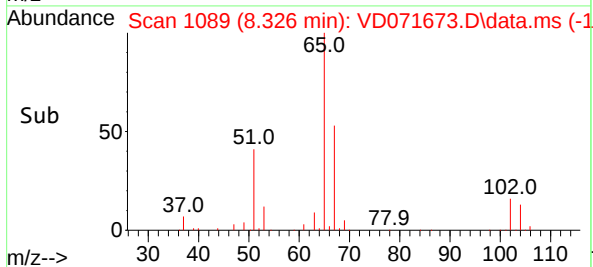
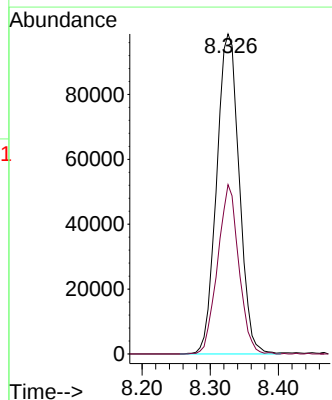
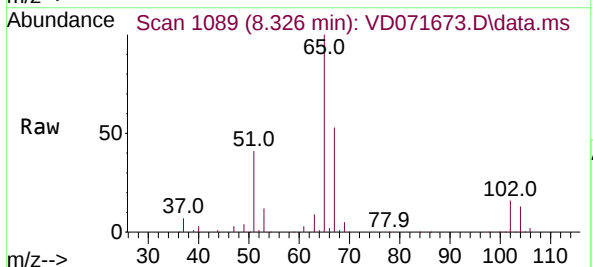
Acq: 11 Jan 2022 16:20

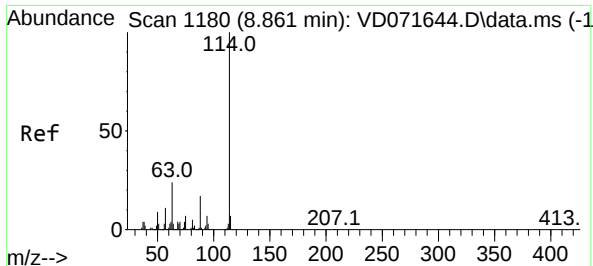
Tgt Ion: 65 Resp: 227322

Ion Ratio Lower Upper

65 100

67 49.6 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071673.D

Acq: 11 Jan 2022 16:20

Instrument :

MSVOA_D

ClientSampleId :

CL-01-011122

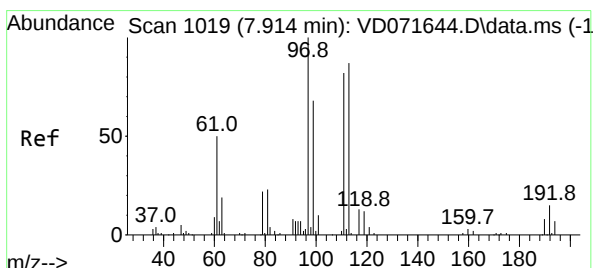
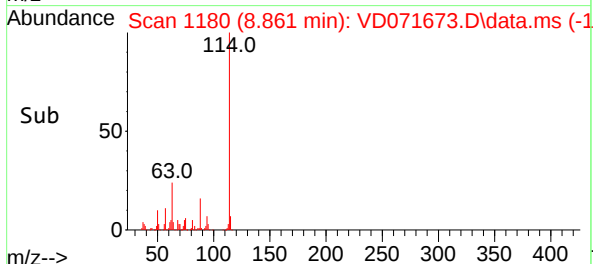
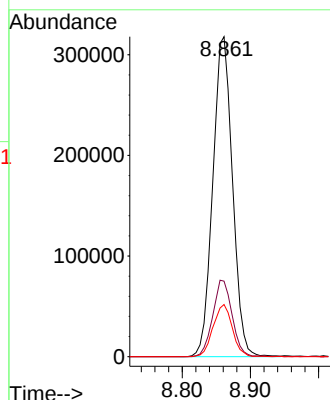
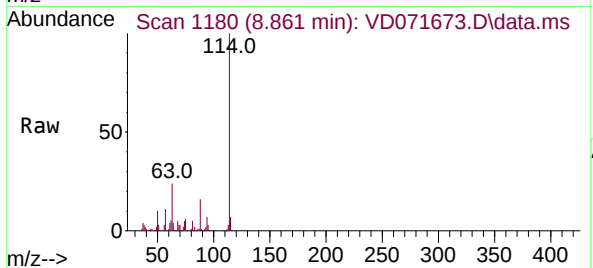
Tgt Ion:114 Resp: 639760

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.2

88 16.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.364 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071673.D

Acq: 11 Jan 2022 16:20

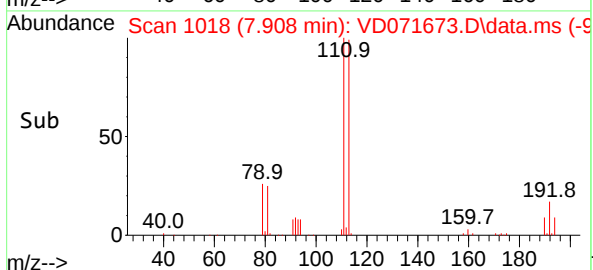
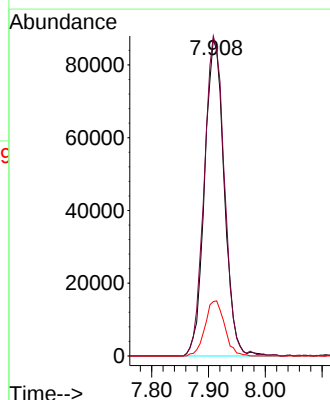
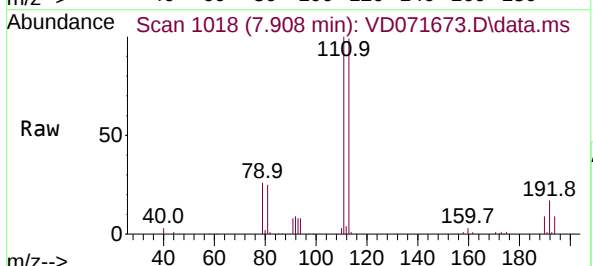
Tgt Ion:113 Resp: 208712

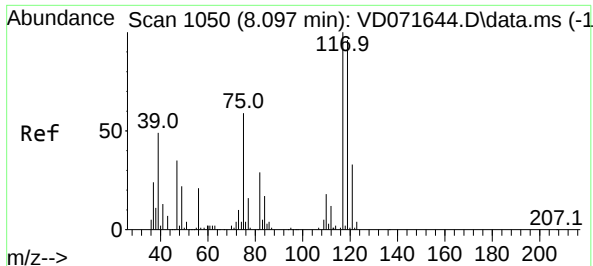
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

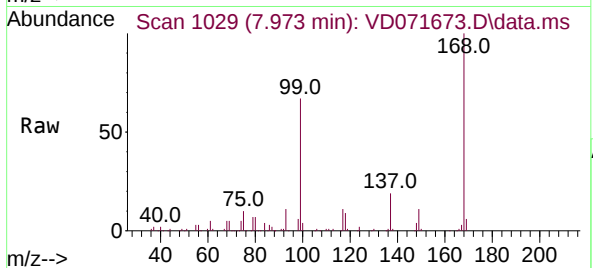
192 17.3 14.2 21.2



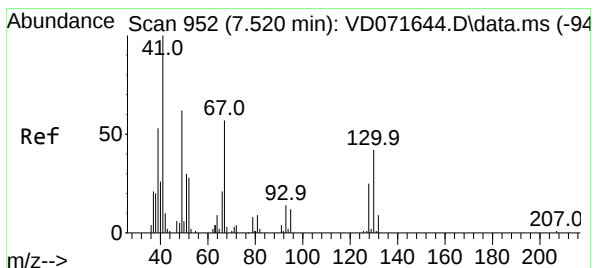
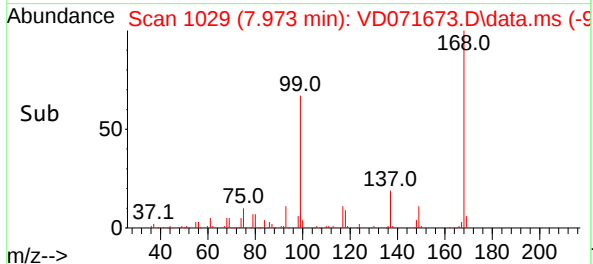
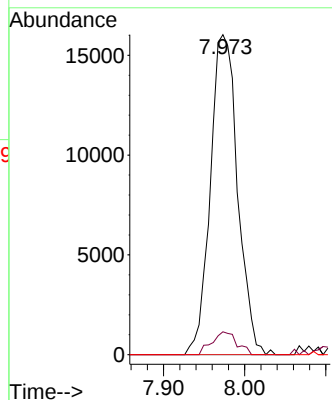


#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

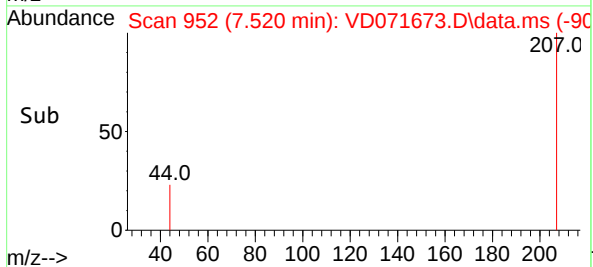
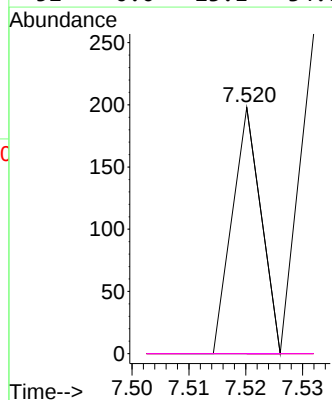
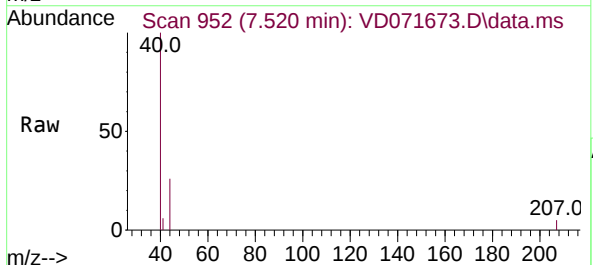


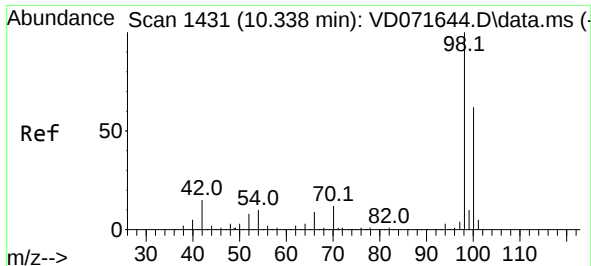
Tgt Ion:117 Resp: 37496
Ion Ratio Lower Upper
117 100
119 7.1 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.170 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.000 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

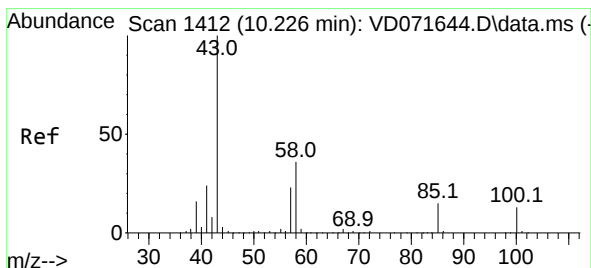
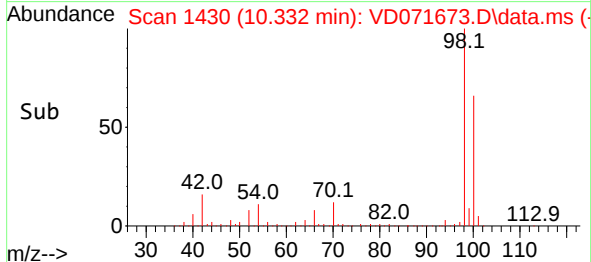
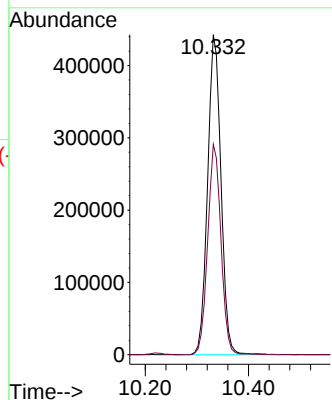
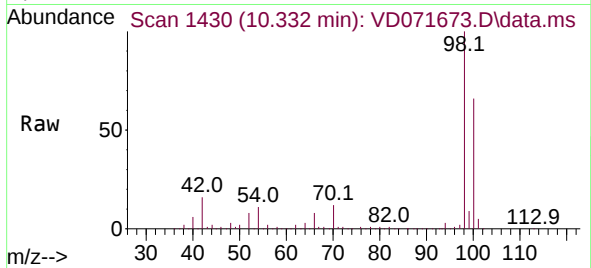




#50
Toluene-d8
Concen: 50.191 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

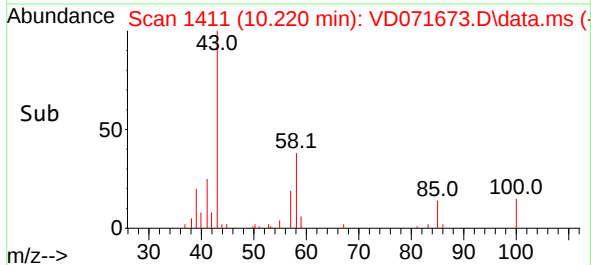
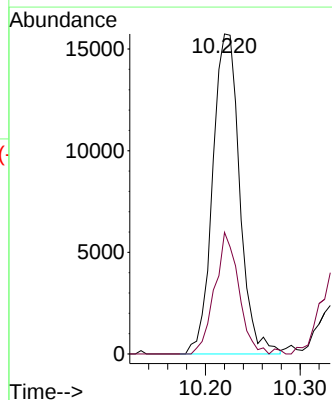
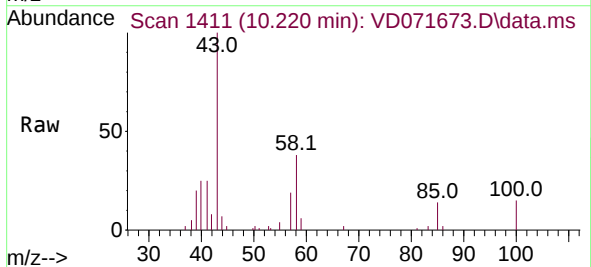
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MSVOA_D
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CL-01-011122

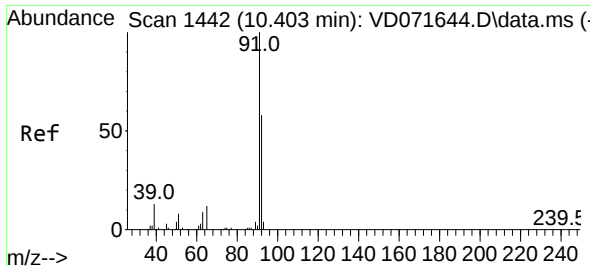
Tgt Ion: 98 Resp: 794373
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 11.195 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion: 43 Resp: 31159
Ion Ratio Lower Upper
43 100
58 33.7 28.2 42.2

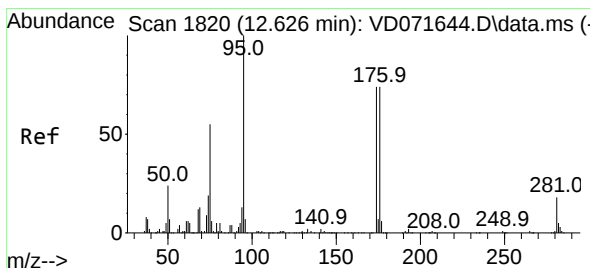
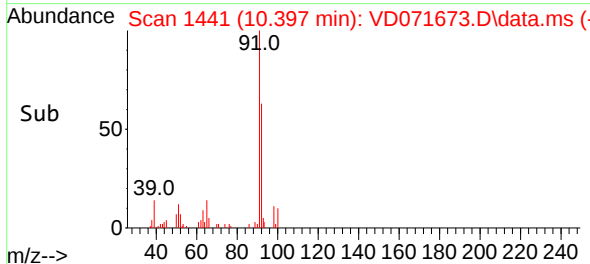
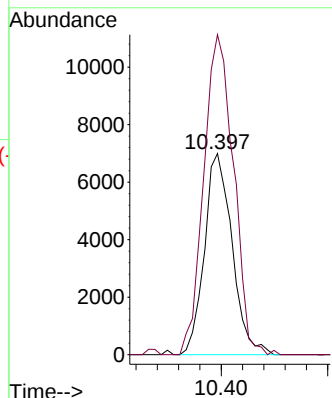
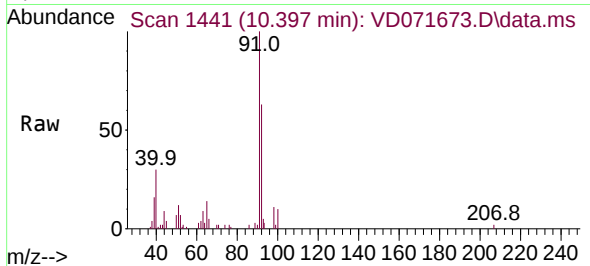




#52
Toluene
Concen: 1.208 ug/l
RT: 10.397 min Scan# 1442
Delta R.T. -0.005 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

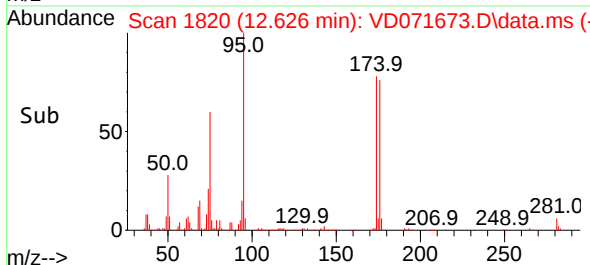
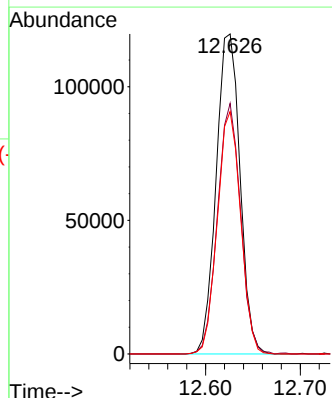
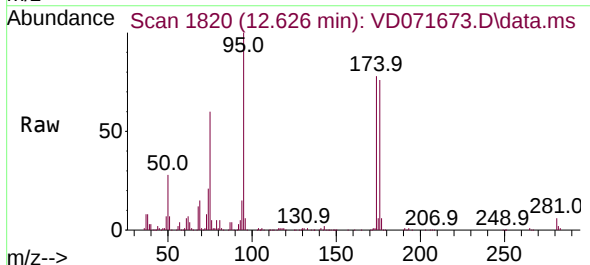
Instrument :
MSVOA_D
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CL-01-011122

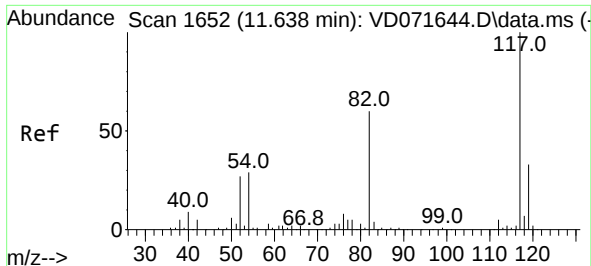
Tgt Ion: 92 Resp: 12631
Ion Ratio Lower Upper
92 100
91 171.3 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 37.633 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion: 95 Resp: 209880
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.0
176 73.8 0.0 146.4

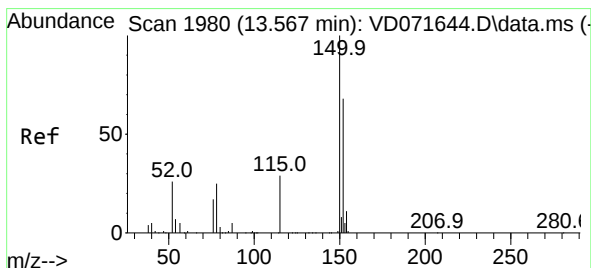
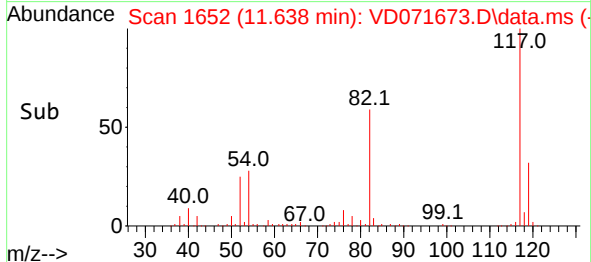
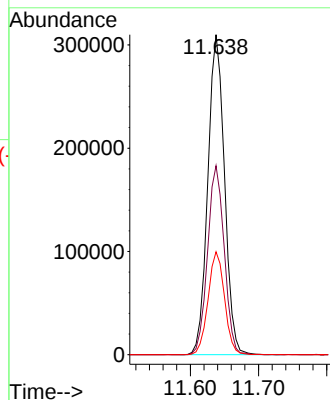
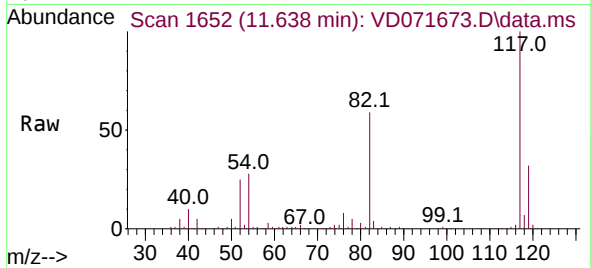




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

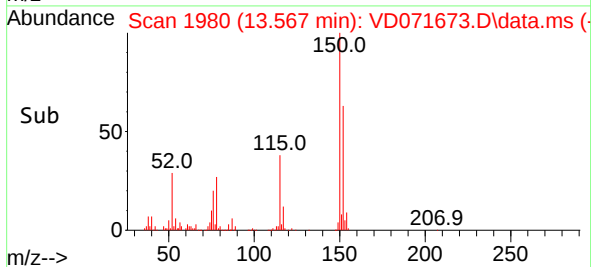
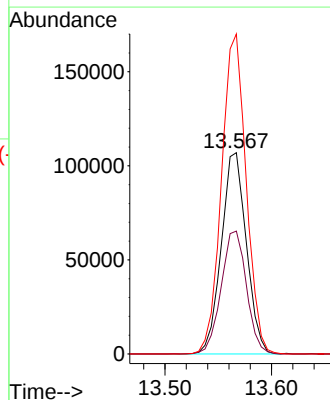
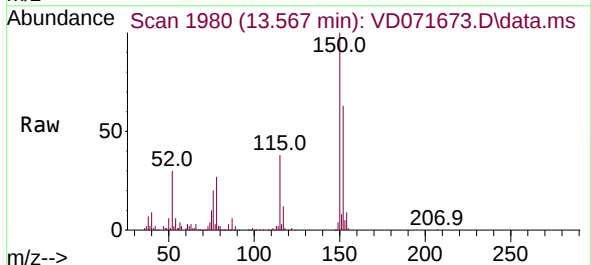
Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

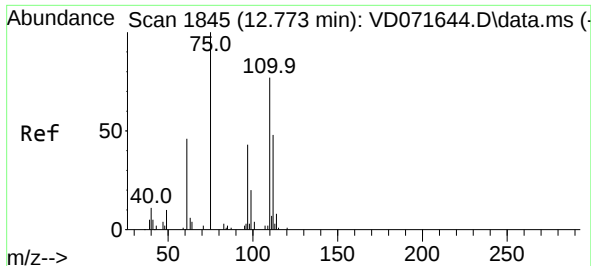
Tgt Ion:117 Resp: 528003
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion:152 Resp: 174537
Ion Ratio Lower Upper
152 100
115 61.8 31.5 94.5
150 156.4 0.0 348.0

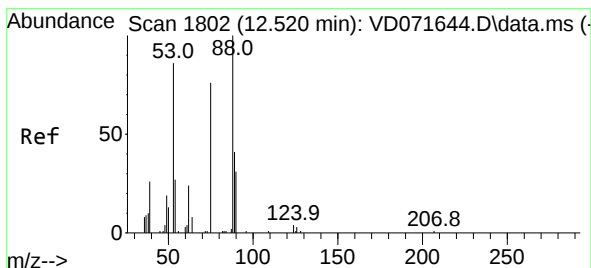
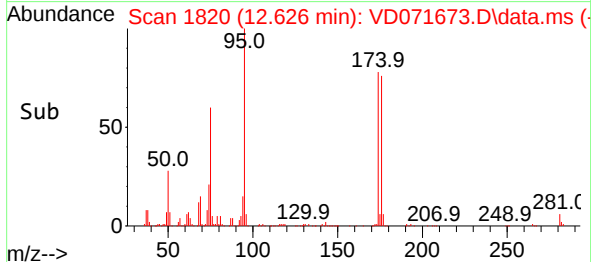
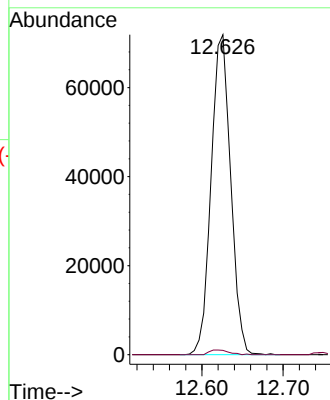
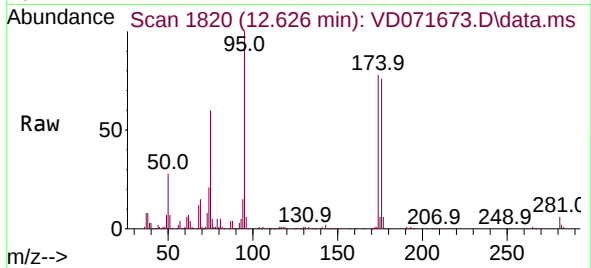




#76
1,2,3-Trichloropropane
Concen: 71.344 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

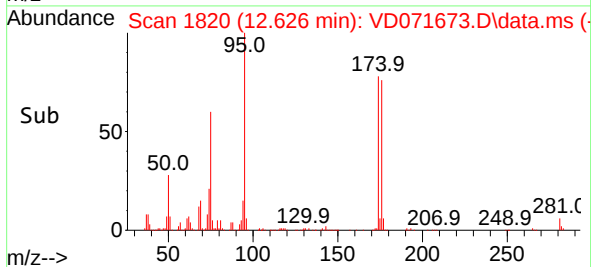
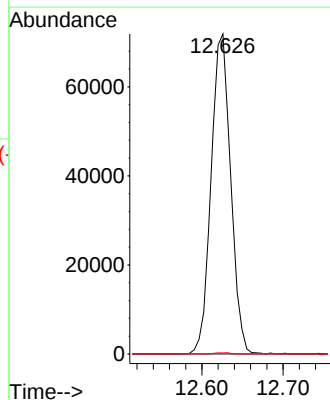
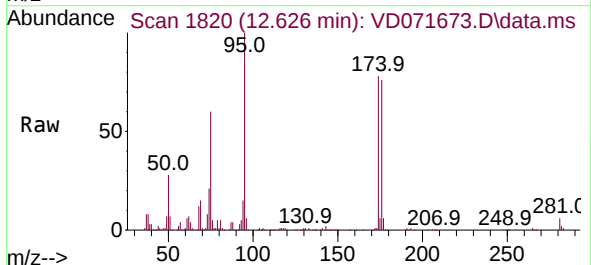
Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

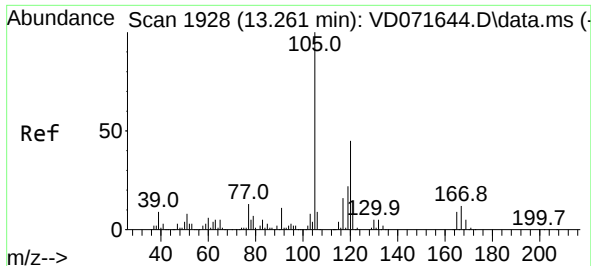
Tgt Ion: 75 Resp: 120323
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 198.899 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion: 75 Resp: 120323
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.3 37.2 55.8#

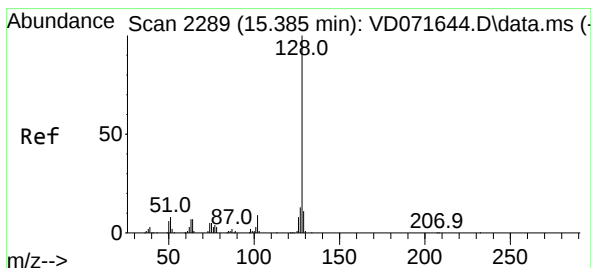
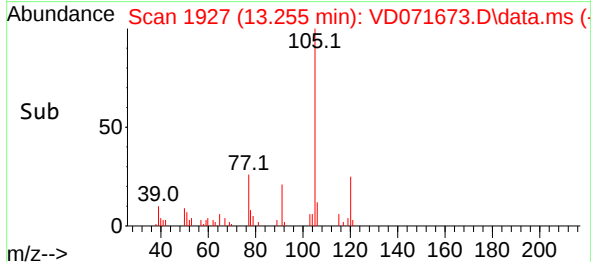
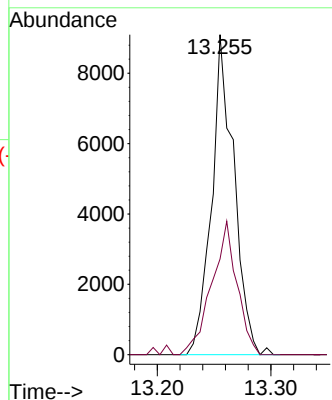
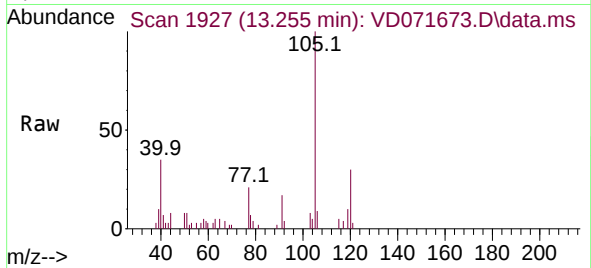




#84
1,2,4-Trimethylbenzene
Concen: 1.201 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Instrument :
MSVOA_D
ClientSampleId :
CL-01-011122

Tgt Ion:105 Resp: 12452
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.9



#95
Naphthalene
Concen: 1.316 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD071673.D
Acq: 11 Jan 2022 16:20

Tgt Ion:128 Resp: 6437
Ion Ratio Lower Upper
128 100
127 12.0 10.9 16.3
129 11.8 9.1 13.7

