

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071468.D
 Acq On : 25 Dec 2021 20:00
 Operator : VA/SY
 Sample : M5223-02
 Misc : 5.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-19-(40-45)-12-22-21

Quant Time: Dec 27 00:51:54 2021
 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)

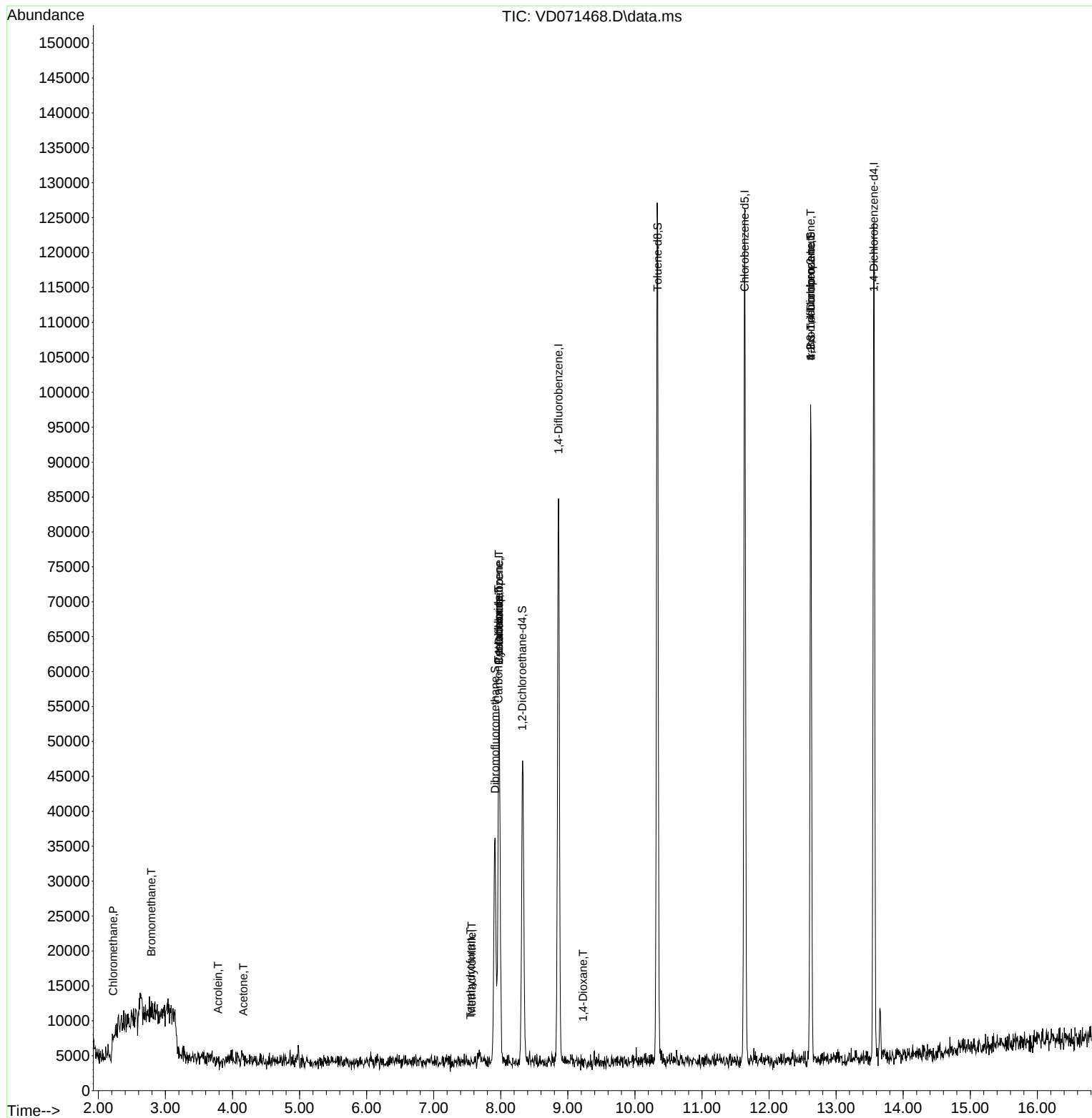
Internal Standards						
1) Pentafluorobenzene	7.973	168	34714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	64121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	64117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	29932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	34381	74.574	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.140%			
35) Dibromofluoromethane	7.914	113	21278	49.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.760%			
50) Toluene-d8	10.338	98	80992	49.733	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.620	95	27773	47.992	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.980%			
Target Compounds			Qvalue			
3) Chloromethane	2.220	50	476	1.022	ug/l #	42
5) Bromomethane	2.791	94	585	1.498	ug/l #	19
13) Acrolein	3.785	56	90	4.041	ug/l #	13
16) Acetone	4.162	43	1266	10.933	ug/l #	40
20) Methylene Chloride	4.967	84	352	Below Cal	#	67
29) Tetrahydrofuran	7.550	42	120	1.445	ug/l #	34
31) Cyclohexane	7.973	56	1189	1.518	ug/l #	24
36) 1,1-Dichloropropene	7.973	75	3444	5.002	ug/l #	45
38) Carbon Tetrachloride	7.967	117	4374	6.439	ug/l #	12
41) Methacrylonitrile	7.567	41	221	1.171	ug/l #	23
49) 1,4-Dioxane	9.226	88	68	22.679	ug/l #	23
76) 1,2,3-Trichloropropane	12.620	75	16205	45.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	16205	128.745	ug/l #	18

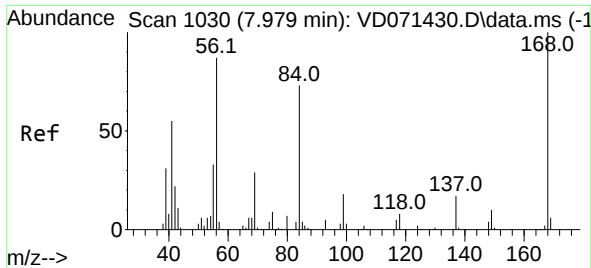
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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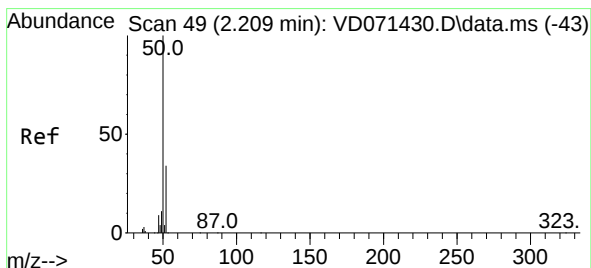
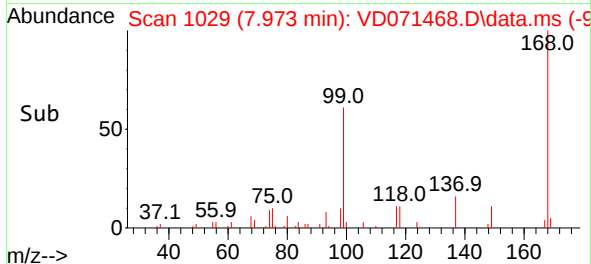
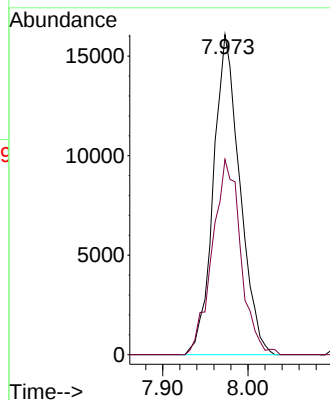
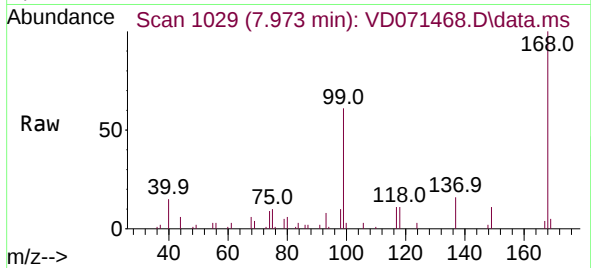




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

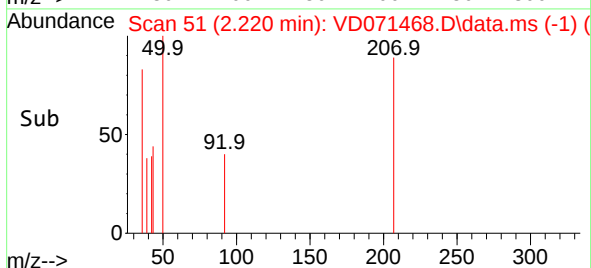
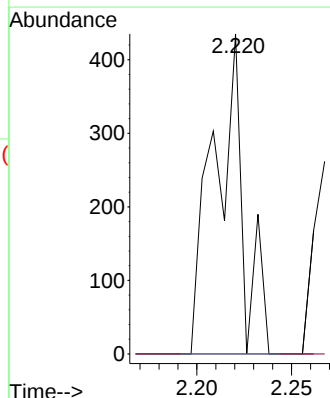
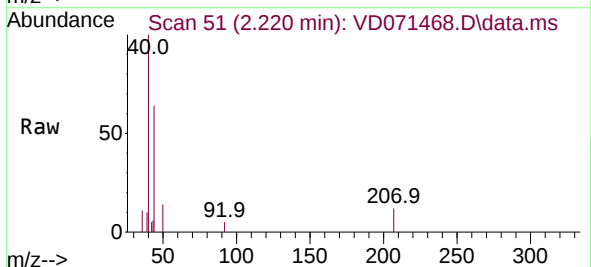
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

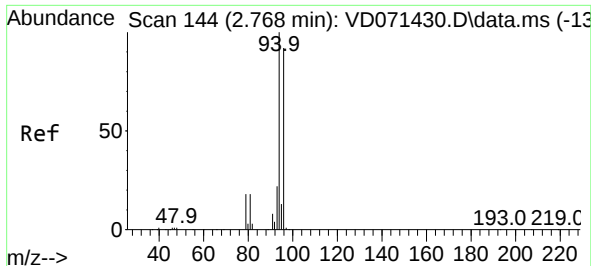
Tgt Ion:168 Resp: 34714
Ion Ratio Lower Upper
168 100
99 61.0 46.6 69.8



#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

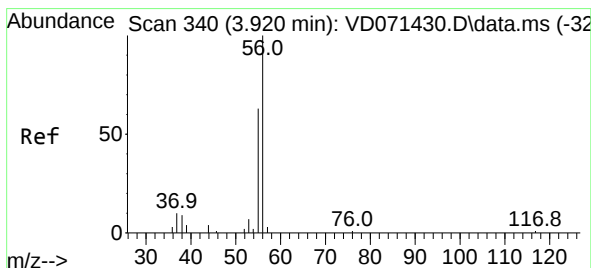
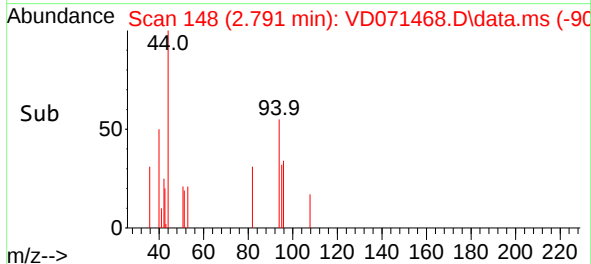
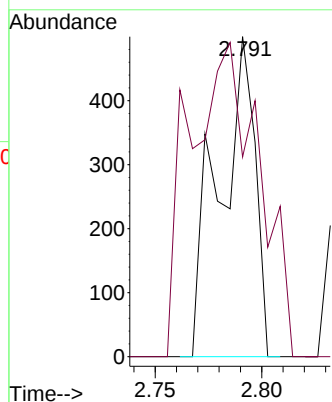
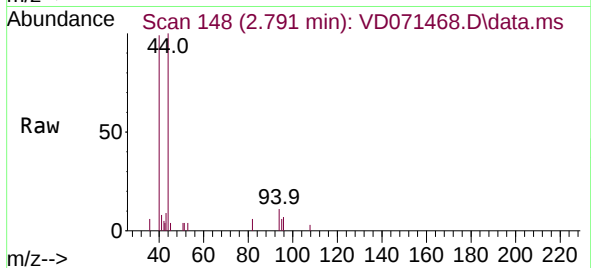




#5
Bromomethane
Concen: 1.498 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.041 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

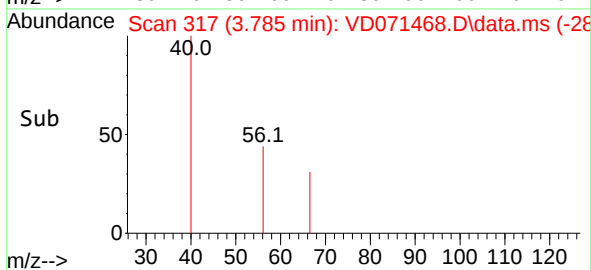
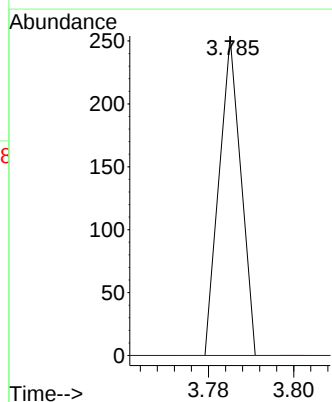
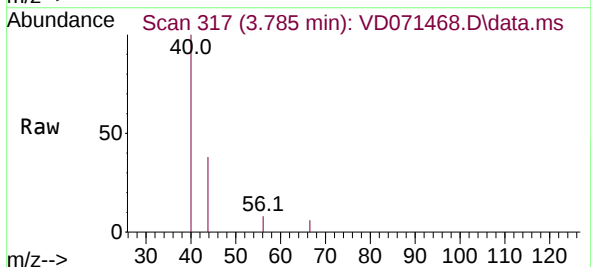
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

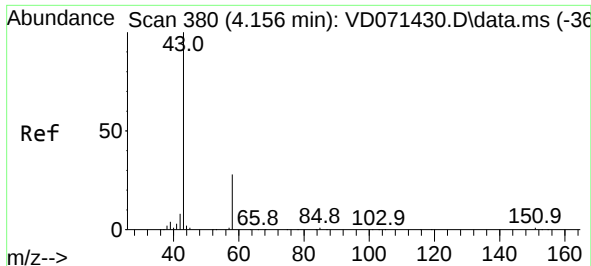
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 15.4 74.8 112.2#



#13
Acrolein
Concen: 4.041 ug/l
RT: 3.785 min Scan# 317
Delta R.T. -0.129 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

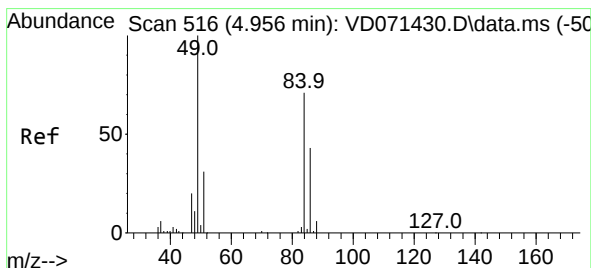
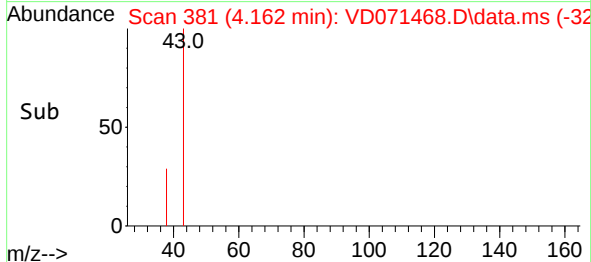
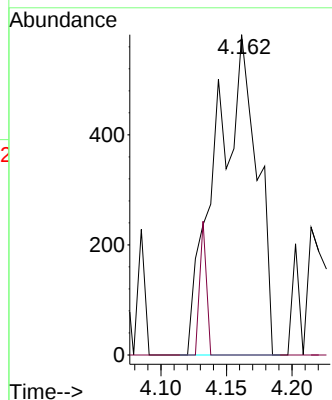
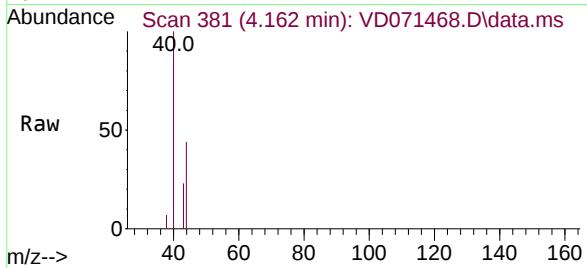




#16
Acetone
Concen: 10.933 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

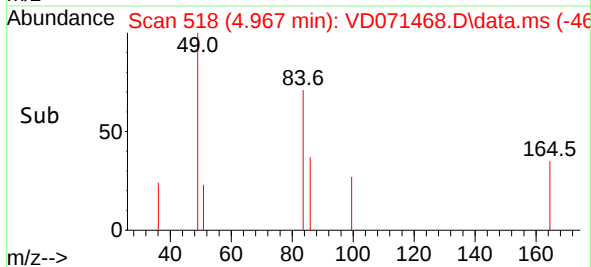
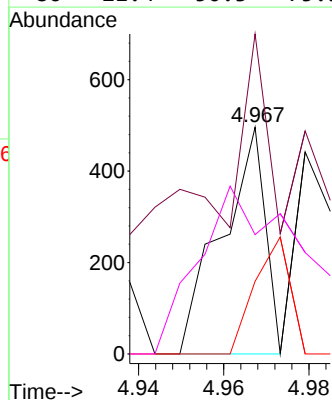
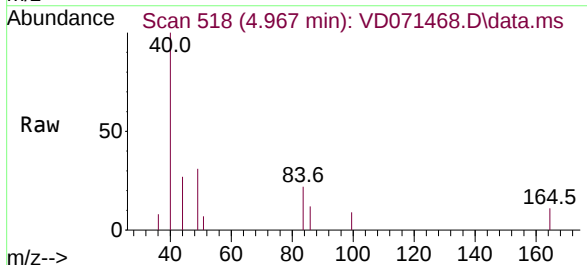
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

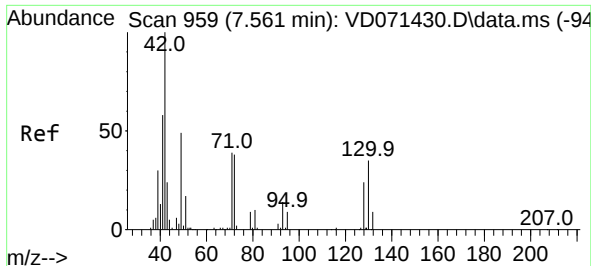
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion: 84 Resp: 352
Ion Ratio Lower Upper
84 100
49 88.1 95.8 143.6#
51 32.1 30.9 46.3
86 21.4 50.3 75.5#





#29

Tetrahydrofuran

Concen: 1.445 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD071468.D

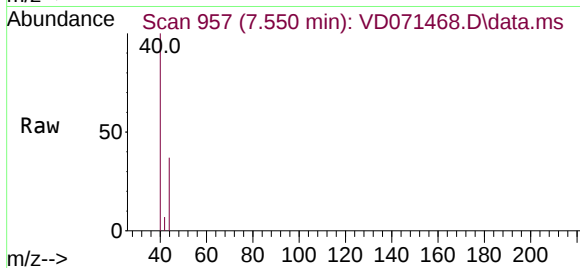
Acq: 25 Dec 2021 20:00

Instrument :

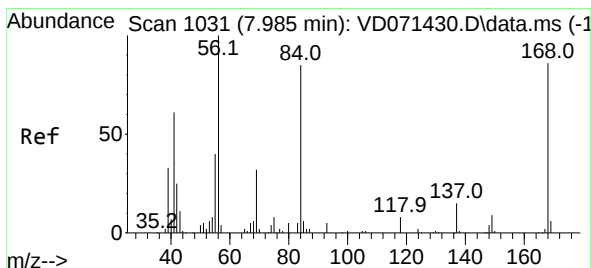
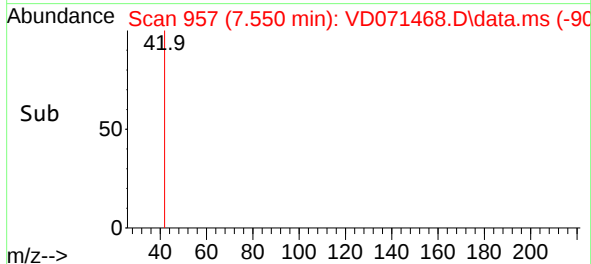
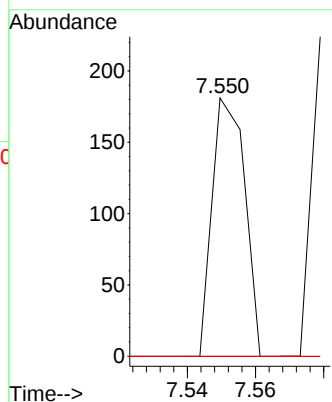
MSVOA_D

ClientSampleId :

DB-19-(40-45)-12-22-21



Tgt Ion: 42	Resp:	120
Ion	Ratio	Lower Upper
42	100	
72	0.0	33.7 50.5#
71	0.0	32.7 49.1#



#31

Cyclohexane

Concen: 1.518 ug/l

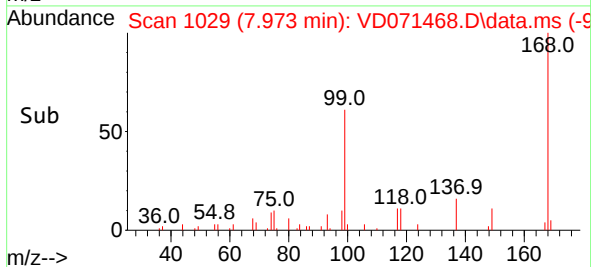
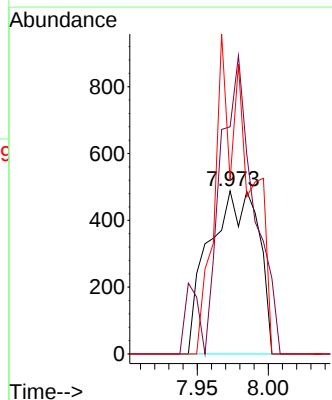
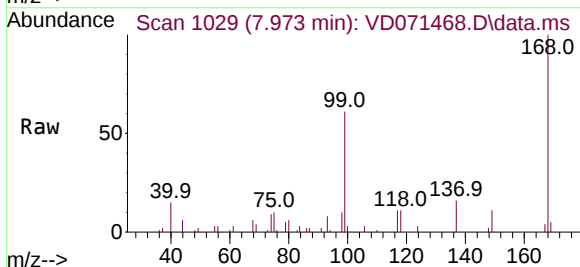
RT: 7.973 min Scan# 1029

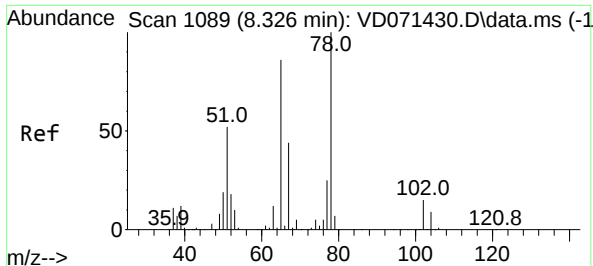
Delta R.T. -0.012 min

Lab File: VD071468.D

Acq: 25 Dec 2021 20:00

Tgt Ion: 56	Resp:	1189
Ion	Ratio	Lower Upper
56	100	
69	139.3	25.9 38.9#
84	106.4	64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 74.574 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071468.D

Acq: 25 Dec 2021 20:00

Instrument :

MSVOA_D

ClientSampleId :

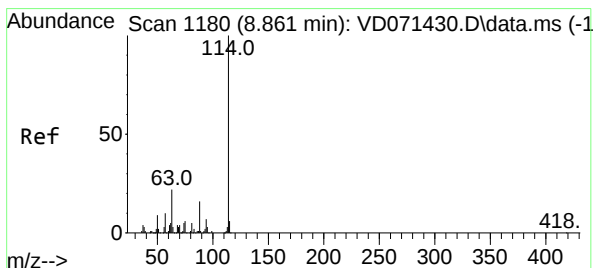
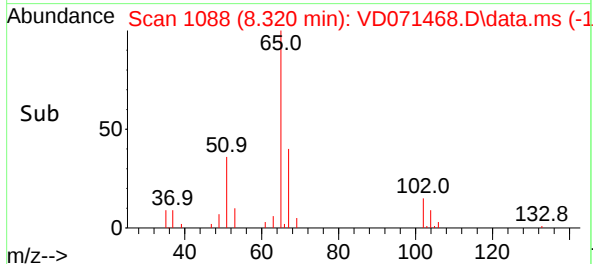
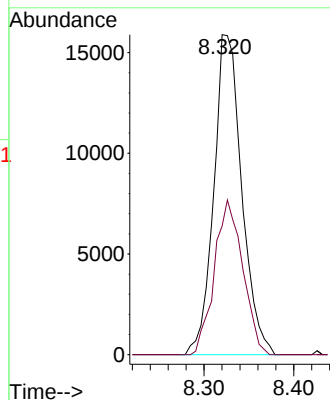
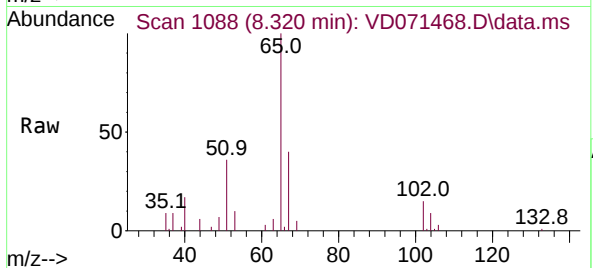
DB-19-(40-45)-12-22-21

Tgt Ion: 65 Resp: 34381

Ion Ratio Lower Upper

65 100

67 48.9 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: VD071468.D

Acq: 25 Dec 2021 20:00

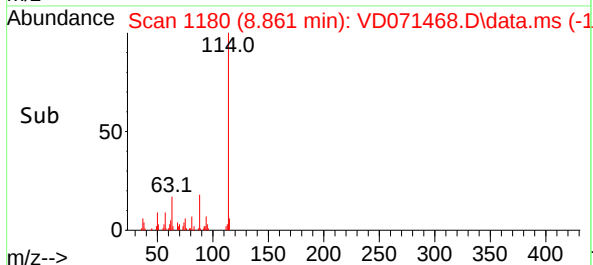
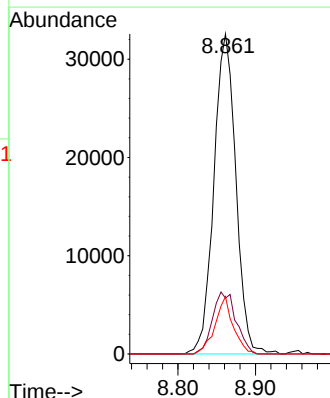
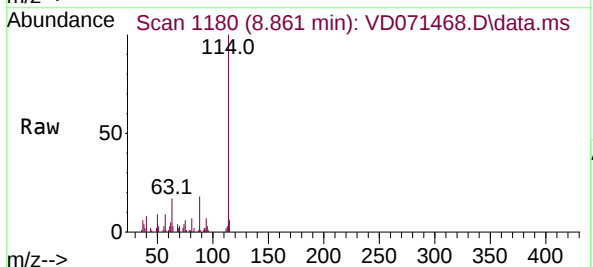
Tgt Ion:114 Resp: 64121

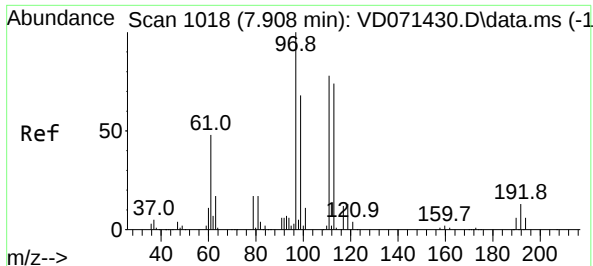
Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.8

88 17.9 0.0 32.8

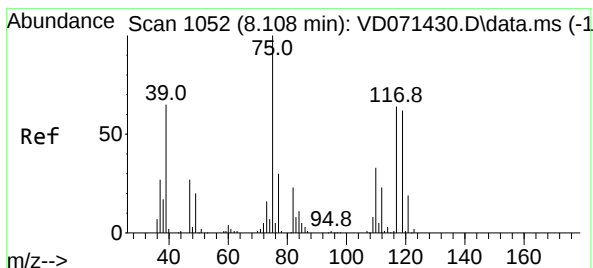
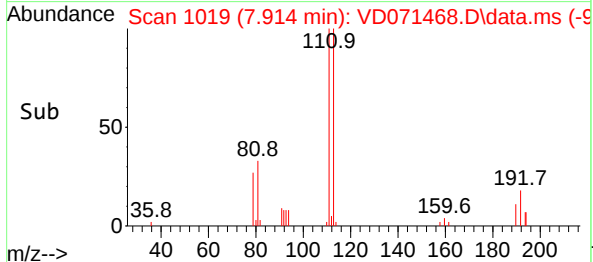
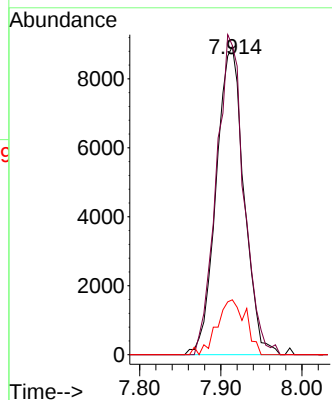
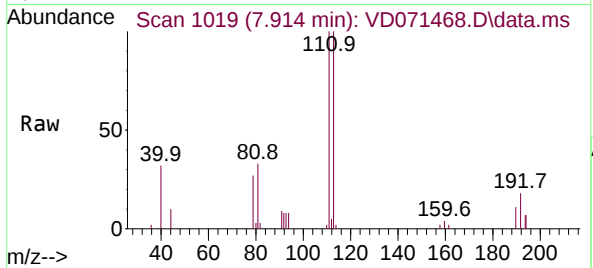




#35
Dibromofluoromethane
Concen: 49.375 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

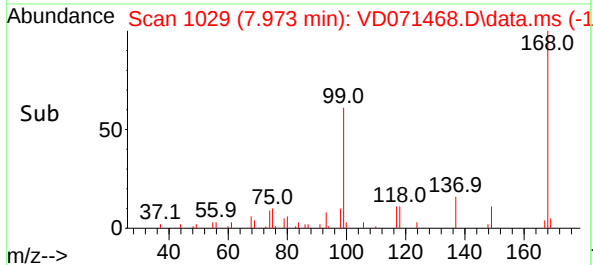
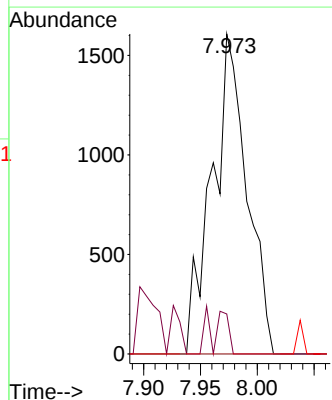
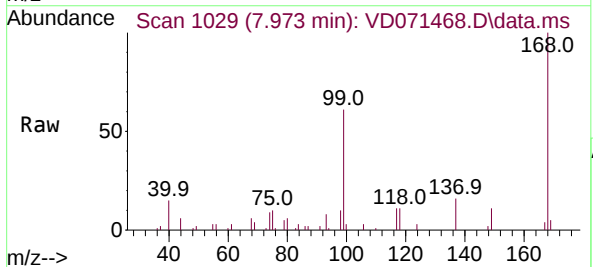
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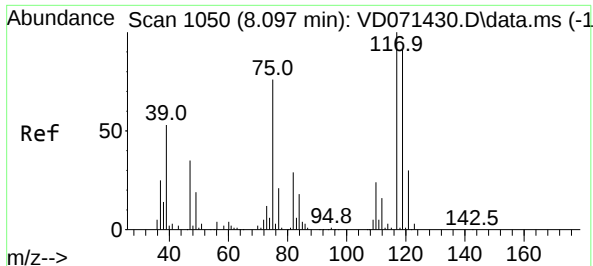
Tgt Ion:113 Resp: 21278
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 18.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

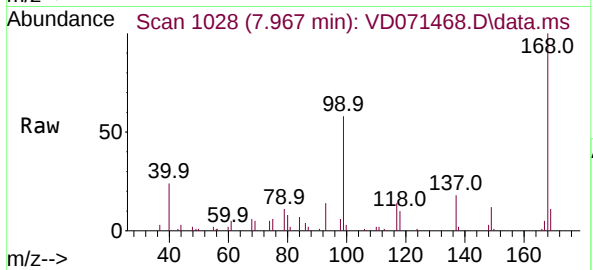
Tgt Ion: 75 Resp: 3444
Ion Ratio Lower Upper
75 100
110 4.3 17.8 53.4#
77 0.0 24.8 37.2#



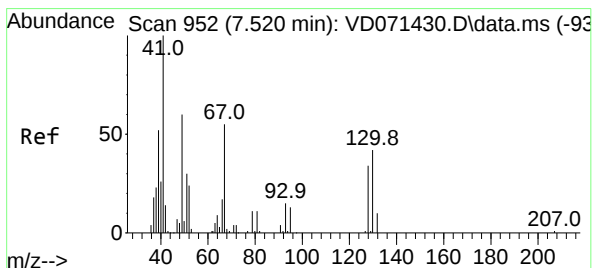
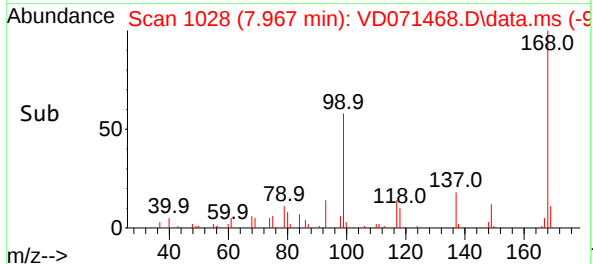
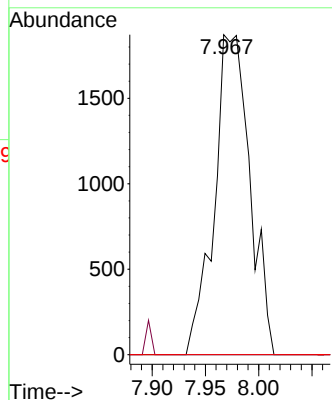


#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

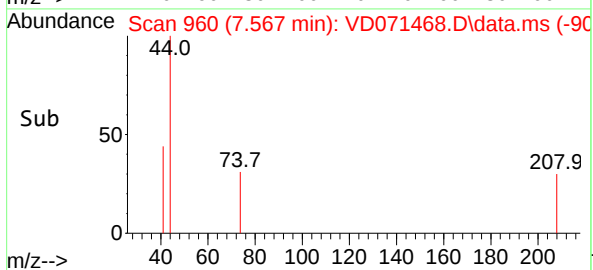
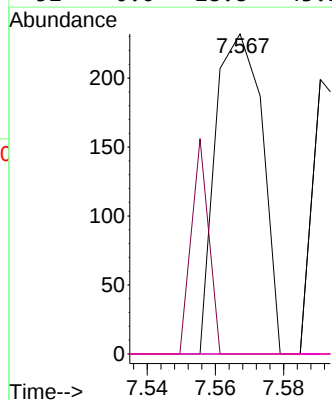
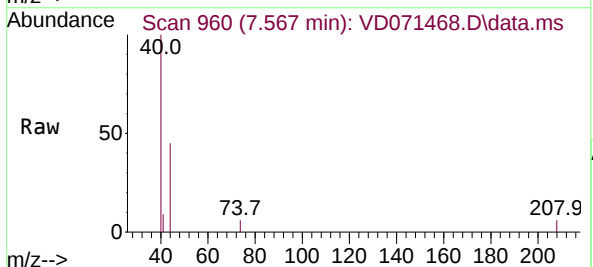


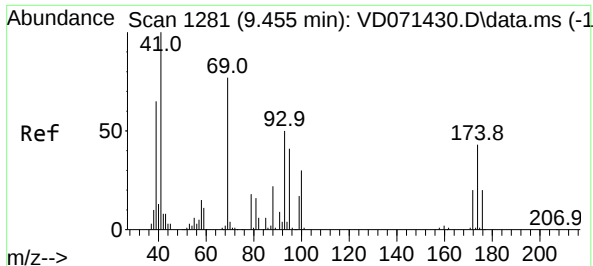
Tgt Ion:117 Resp: 4374
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.171 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.041 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion: 41 Resp: 221
Ion Ratio Lower Upper
41 100
39 24.9 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

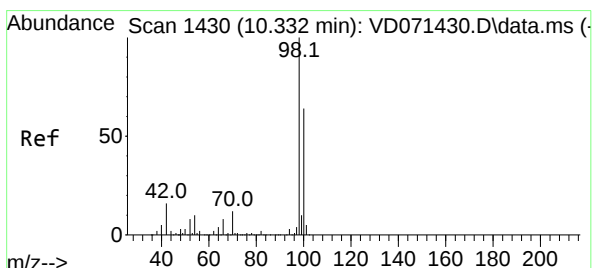
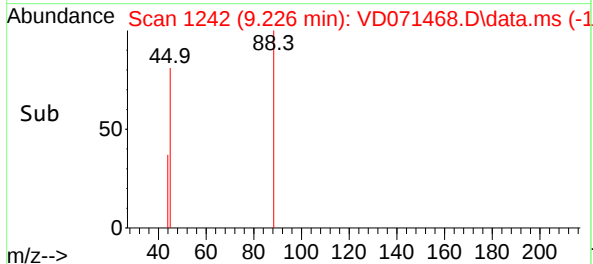
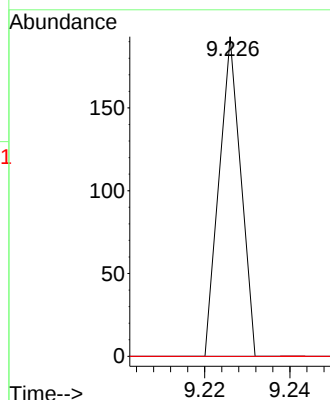
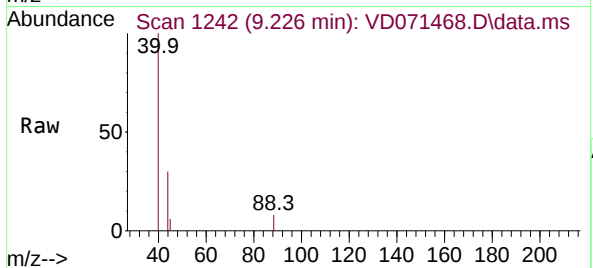




#49
1,4-Dioxane
Concen: 22.679 ug/l
RT: 9.226 min Scan# 11
Delta R.T. -0.229 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

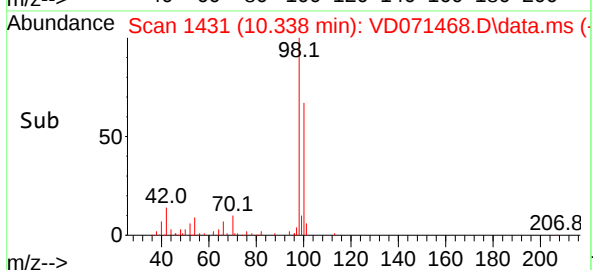
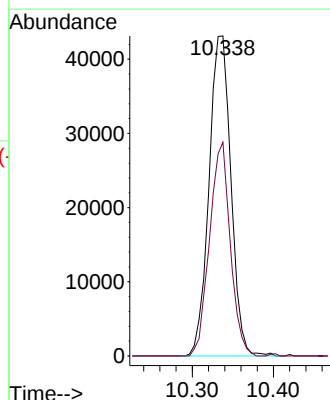
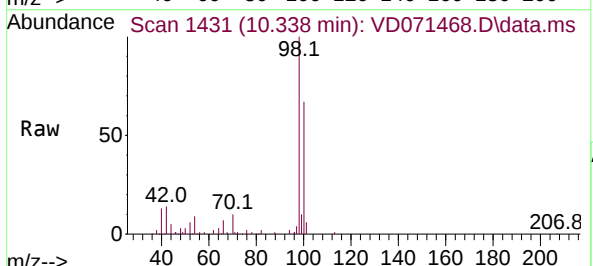
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

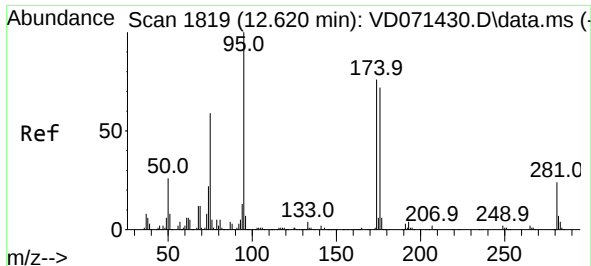
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 49.733 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion: 98 Resp: 80992
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.6

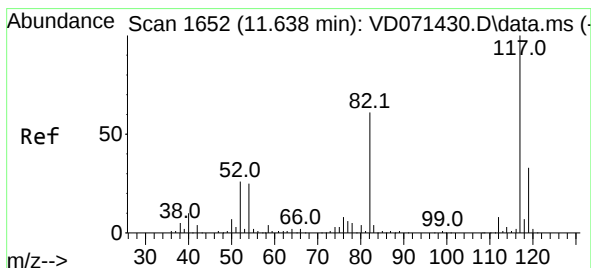
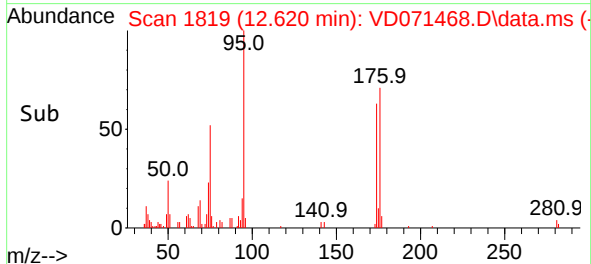
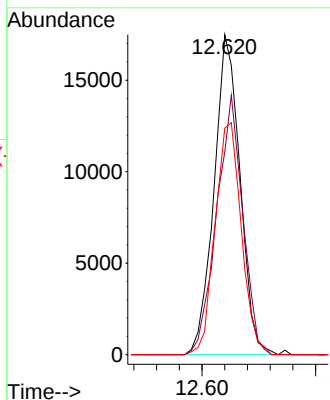
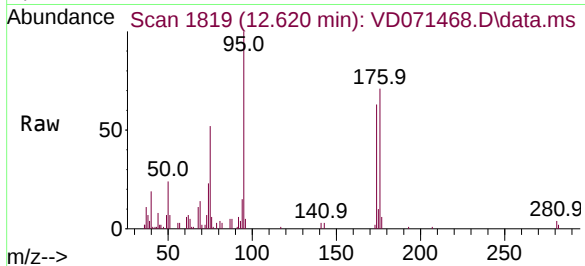




#62
4-Bromofluorobenzene
Concen: 47.992 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

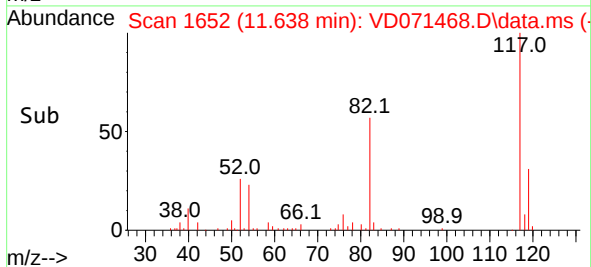
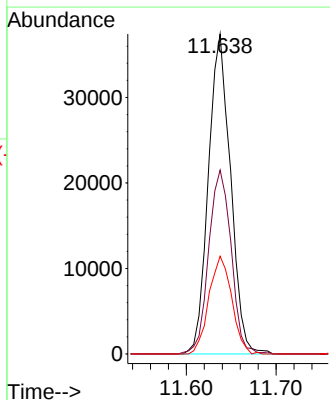
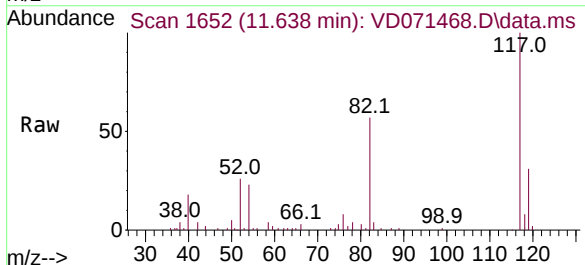
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

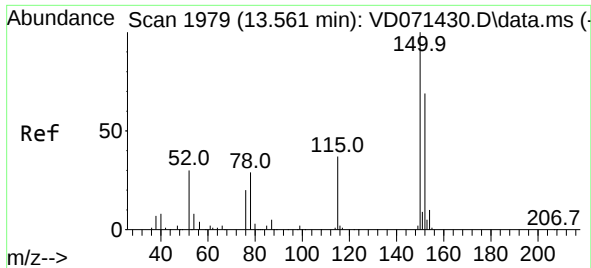
Tgt Ion:	95	Resp:	27773
Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	159.4
176	73.3	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071468.D
Acq: 25 Dec 2021 20:00

Tgt Ion:	117	Resp:	64117
Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.7	67.1
119	30.5	26.2	39.4

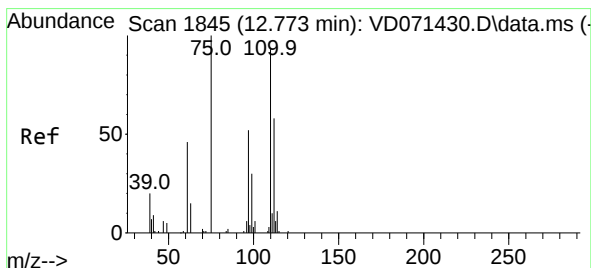
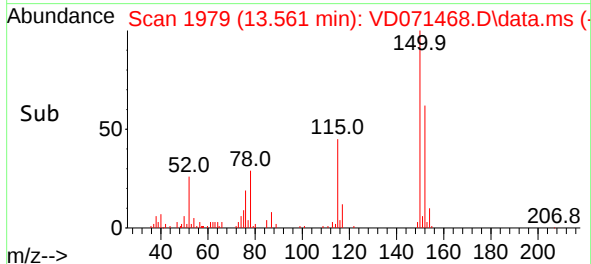
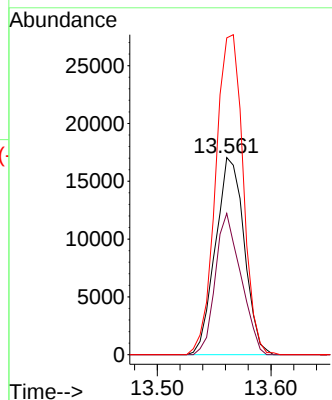
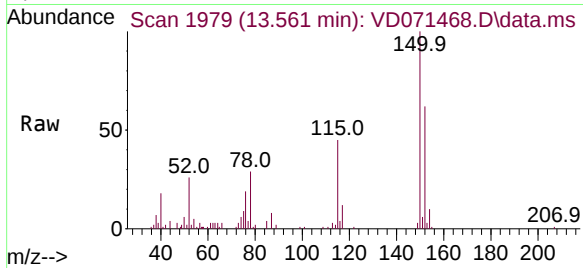




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD071468.D
 Acq: 25 Dec 2021 20:00

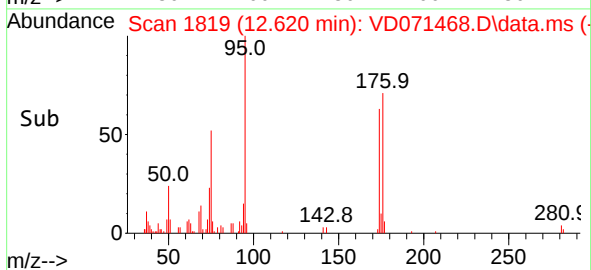
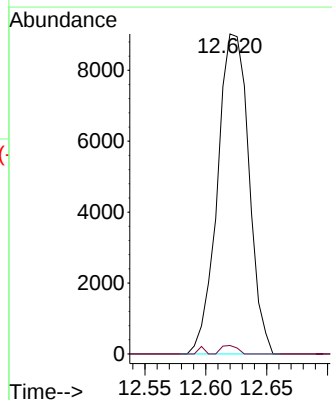
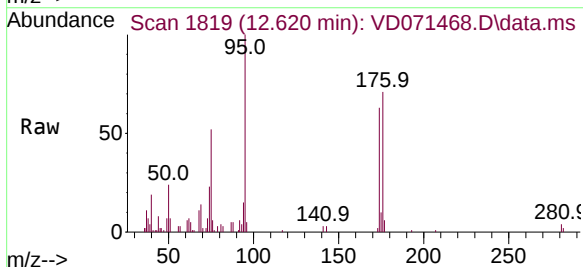
Instrument :
 MSVOA_D
 ClientSampleId :
 DB-19-(40-45)-12-22-21

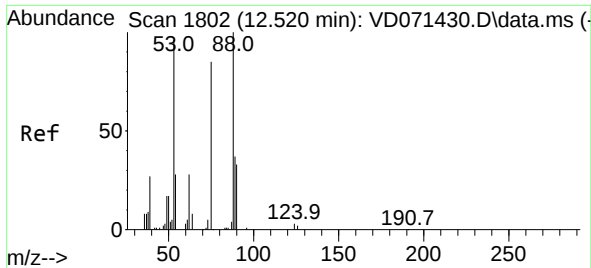
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	29.8	89.3
150	155.4	0.0	349.2



#76
 1,2,3-Trichloropropane
 Concen: 45.565 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071468.D
 Acq: 25 Dec 2021 20:00

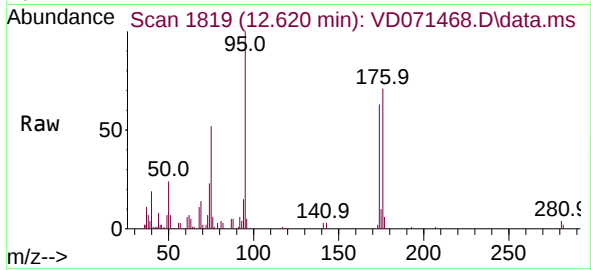
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.745 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071468.D
 Acq: 25 Dec 2021 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-19-(40-45)-12-22-21



Tgt Ion: 75 Resp: 16205
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

