

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071469.D
 Acq On : 25 Dec 2021 20:28
 Operator : VA/SY
 Sample : M5223-04
 Misc : 7.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-17-(10-15)-12-22-21

Quant Time: Dec 27 00:52:04 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)

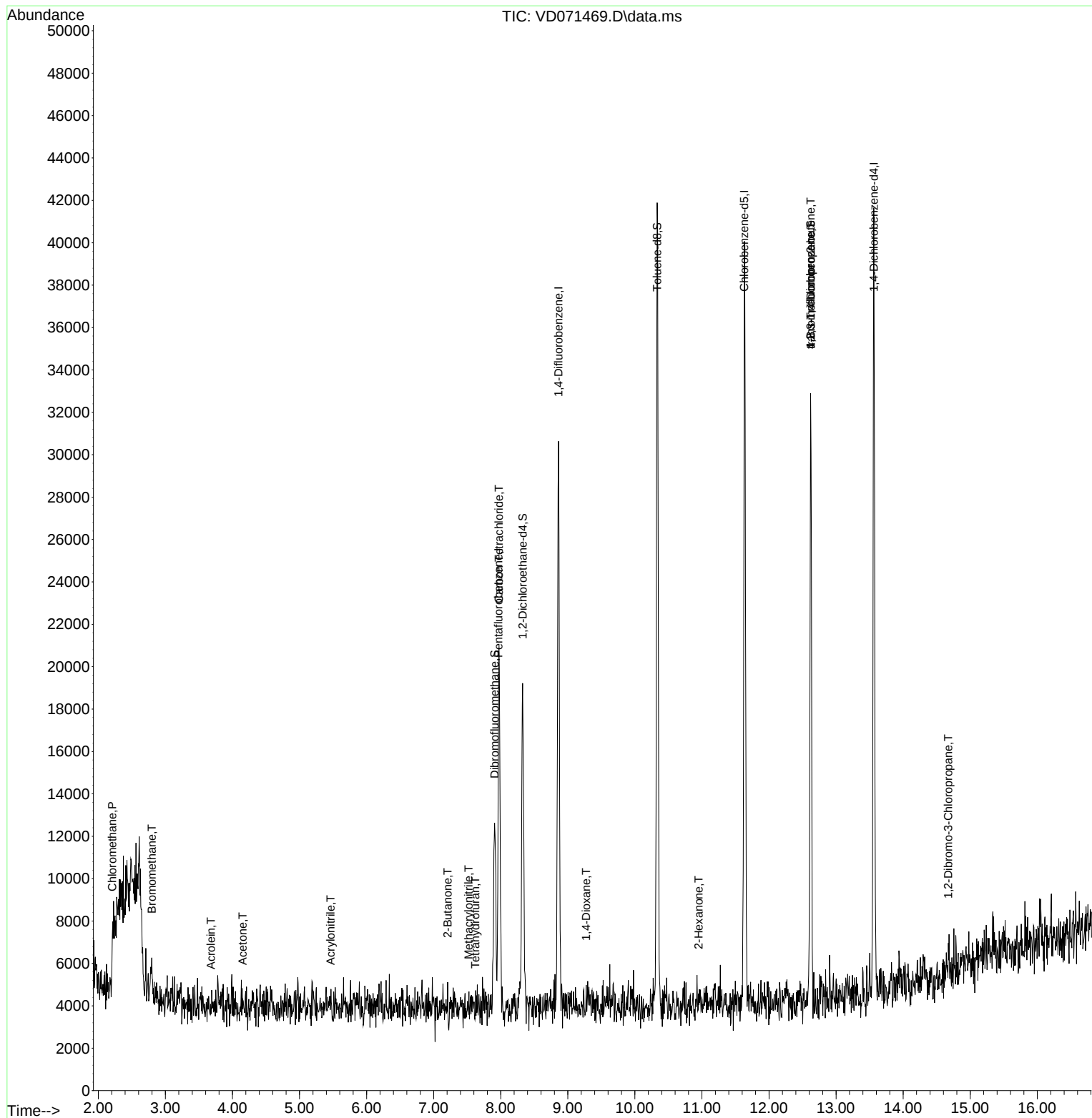
Internal Standards						
1) Pentafluorobenzene	7.967	168	11617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	18889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	18639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	8413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	11265	73.015	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.020%			
35) Dibromofluoromethane	7.908	113	5786	45.577	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.160%			
50) Toluene-d8	10.332	98	25131	52.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.620	95	8614	50.529	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.060%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	603	3.869	ug/l #	84
5) Bromomethane	2.797	94	852	6.520	ug/l	87
11) Tert butyl alcohol	5.179	59	69	Below Cal	#	71
13) Acrolein	3.679	56	70	9.392	ug/l #	13
15) Acrylonitrile	5.462	53	54	1.675	ug/l #	1
16) Acetone	4.150	43	450	11.612	ug/l #	40
20) Methylene Chloride	4.967	84	481	Below Cal	#	47
25) 2-Butanone	7.208	43	54	1.167	ug/l #	45
29) Tetrahydrofuran	7.620	42	67	2.411	ug/l #	34
38) Carbon Tetrachloride	7.973	117	1332	6.657	ug/l #	12
41) Methacrylonitrile	7.520	41	73	1.313	ug/l #	12
49) 1,4-Dioxane	9.273	88	55	62.268	ug/l #	23
59) 2-Hexanone	10.949	43	90	1.302	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	5328	53.300	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	5328	150.602	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.673	75	69	3.393	ug/l #	4

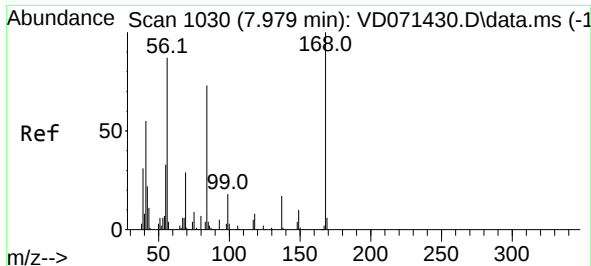
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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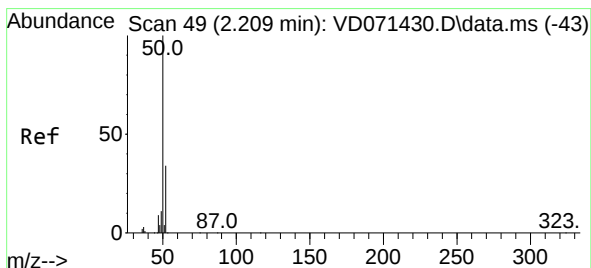
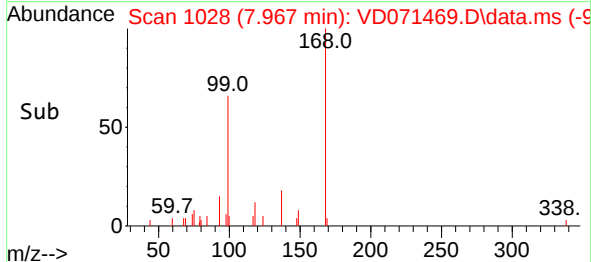
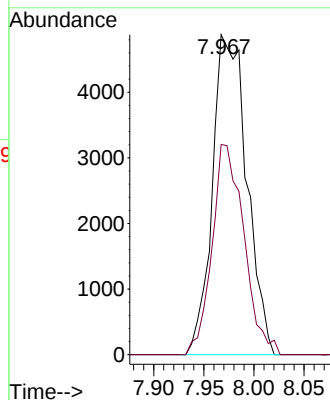
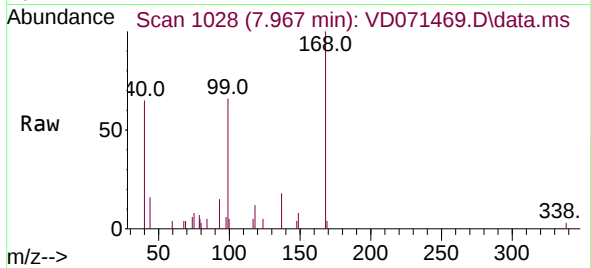




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

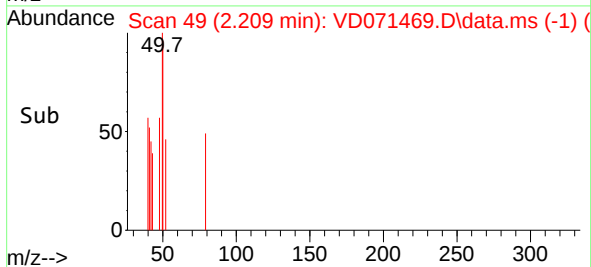
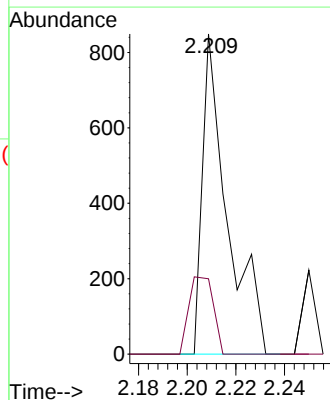
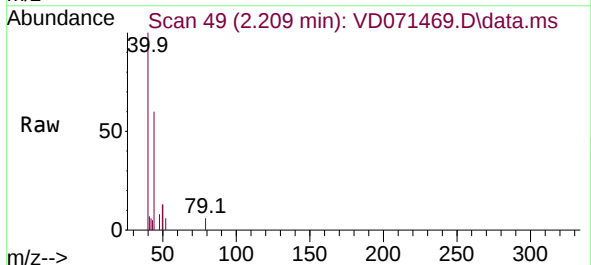
Instrument :
MSVOA_D
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DB-17-(10-15)-12-22-21

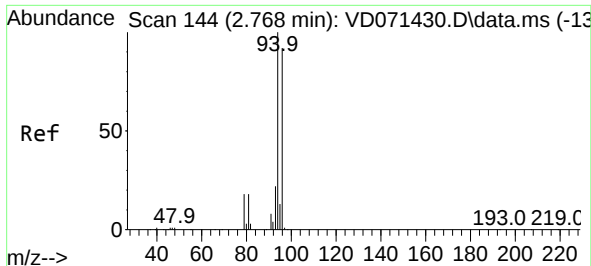
Tgt Ion:168 Resp: 11617
Ion Ratio Lower Upper
168 100
99 65.7 46.6 69.8



#3
Chloromethane
Concen: 3.869 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion: 50 Resp: 603
Ion Ratio Lower Upper
50 100
52 23.6 25.8 38.8#

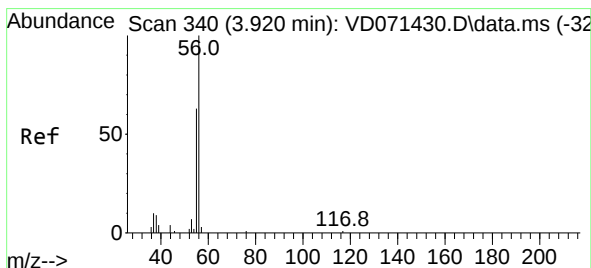
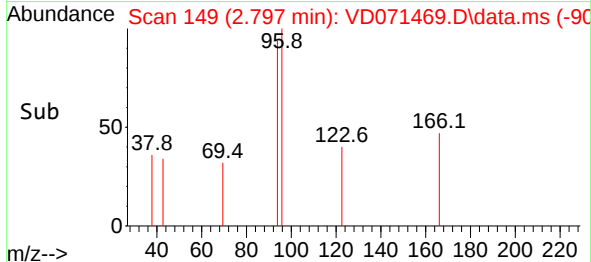
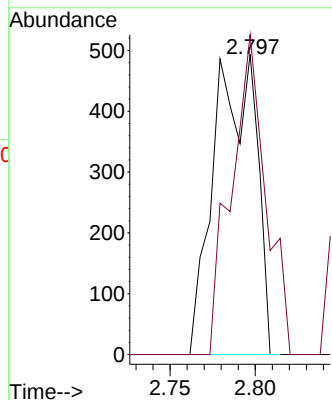
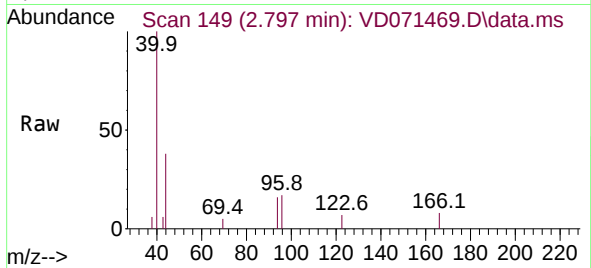




#5
Bromomethane
Concen: 6.520 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.047 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

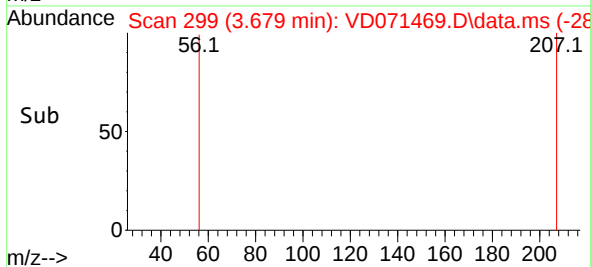
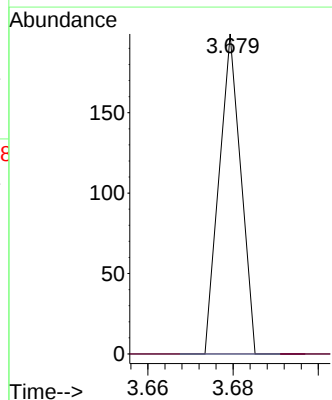
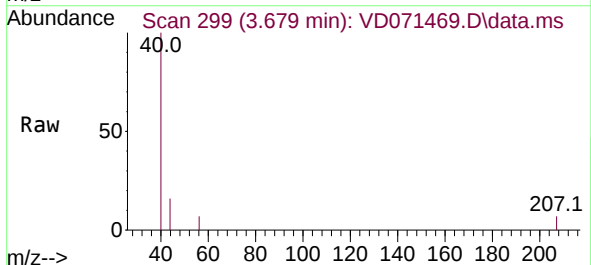
Instrument :
MSVOA_D
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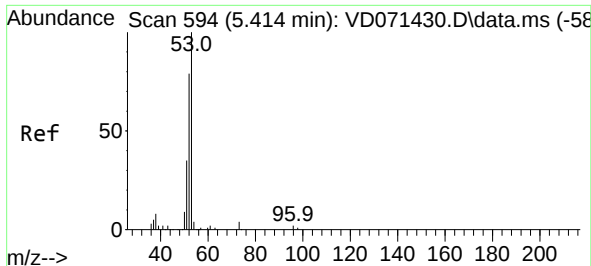
Tgt Ion: 94 Resp: 852
Ion Ratio Lower Upper
94 100
96 106.5 74.8 112.2



#13
Acrolein
Concen: 9.392 ug/l
RT: 3.679 min Scan# 299
Delta R.T. -0.235 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

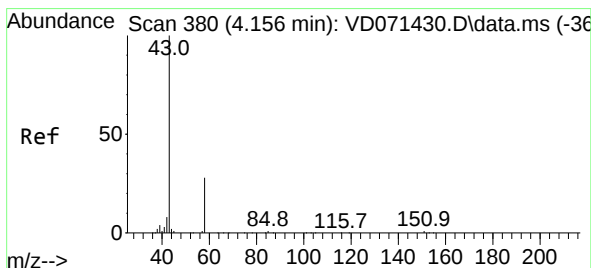
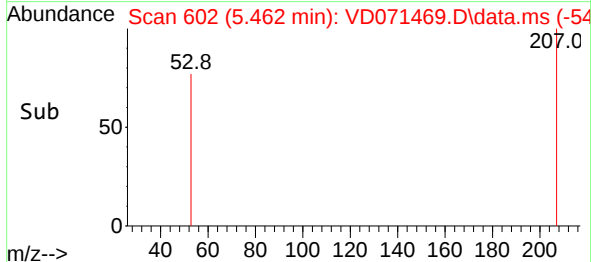
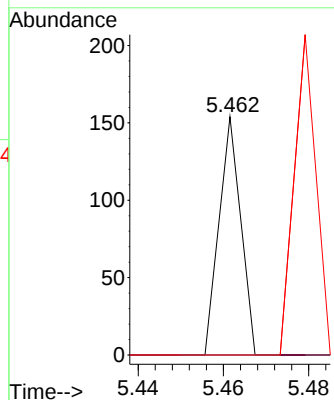
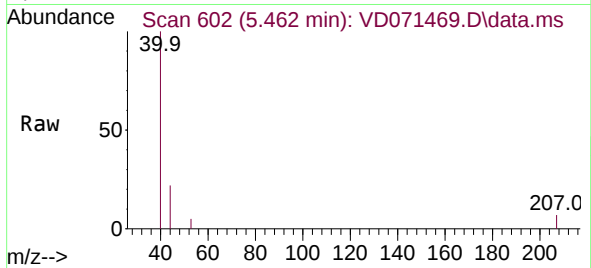




#15
Acrylonitrile
Concen: 1.675 ug/l
RT: 5.462 min Scan# 602
Delta R.T. 0.042 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

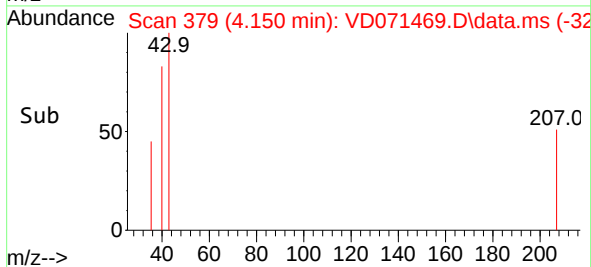
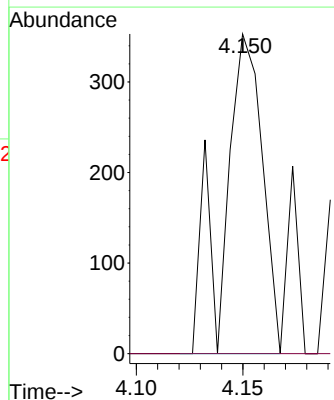
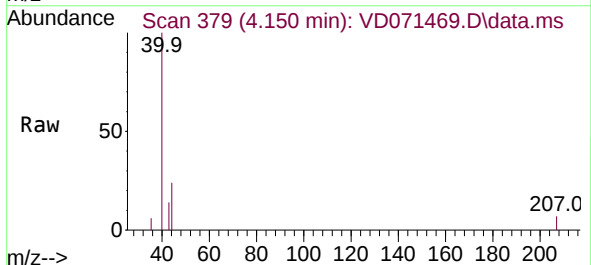
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(10-15)-12-22-21

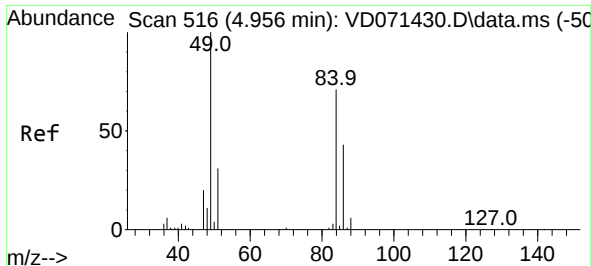
Tgt Ion: 53 Resp: 54
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 135.2 28.5 42.7#



#16
Acetone
Concen: 11.612 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

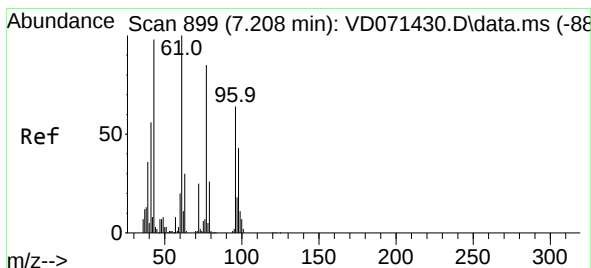
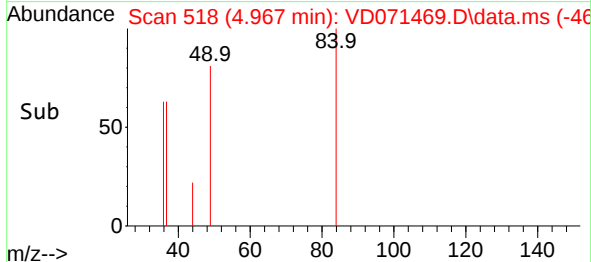
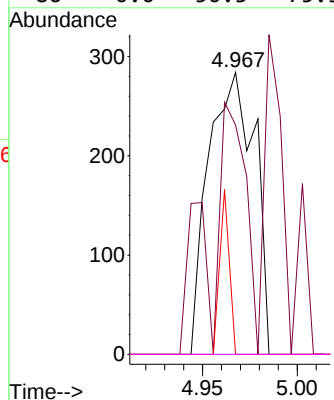
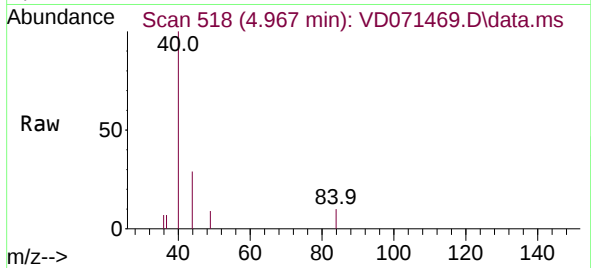




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

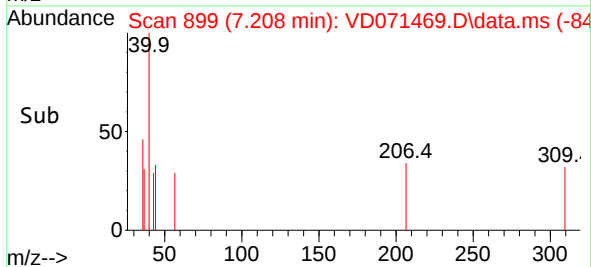
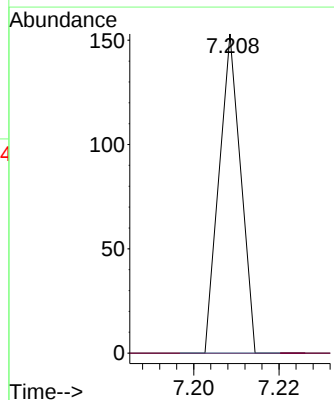
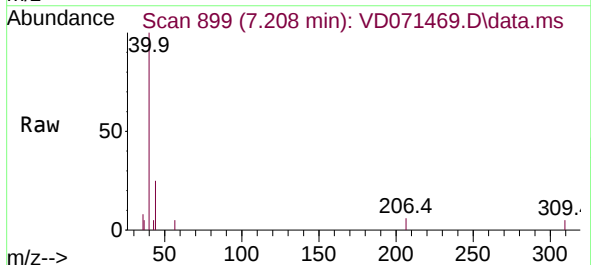
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(10-15)-12-22-21

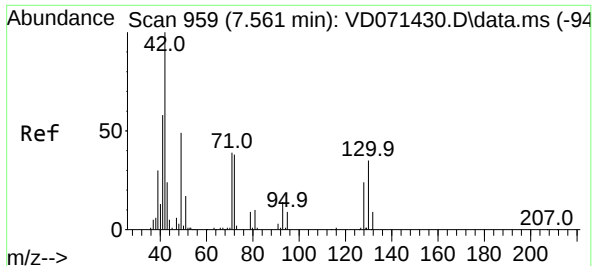
Tgt Ion:	84	Resp:	481
Ion	Ratio	Lower	Upper
84	100		
49	81.3	95.8	143.6#
51	0.0	30.9	46.3#
86	0.0	50.3	75.5#



#25
2-Butanone
Concen: 1.167 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#29

Tetrahydrofuran

Concen: 2.411 ug/l

RT: 7.620 min Scan# 90

Delta R.T. 0.065 min

Lab File: VD071469.D

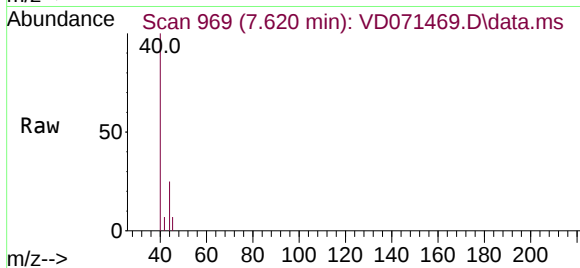
Acq: 25 Dec 2021 20:28

Instrument :

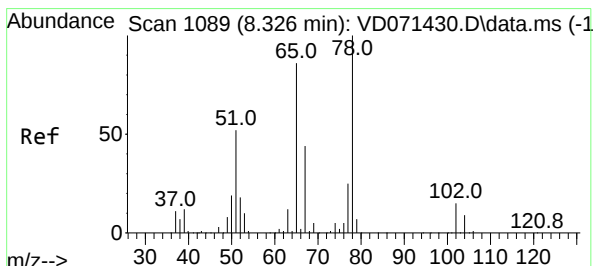
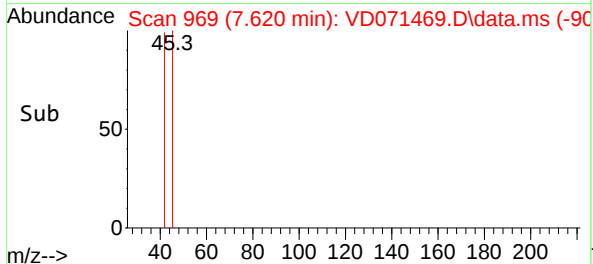
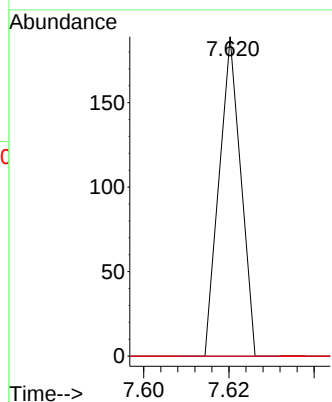
MSVOA_D

ClientSampleId :

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Tgt Ion:	42	Resp:	67
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 73.015 ug/l

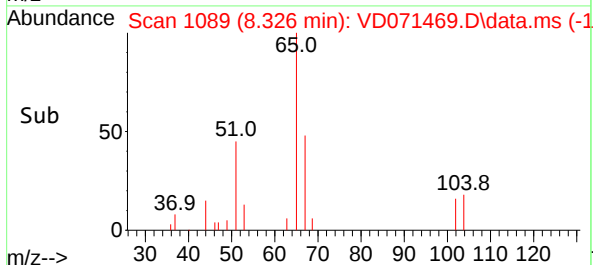
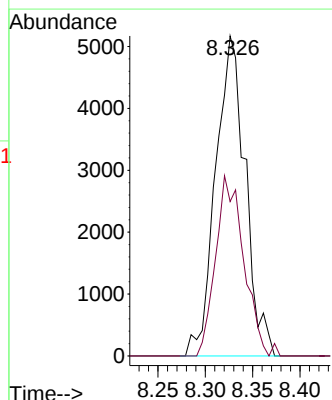
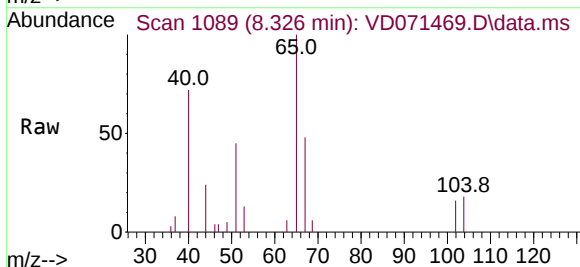
RT: 8.326 min Scan# 1089

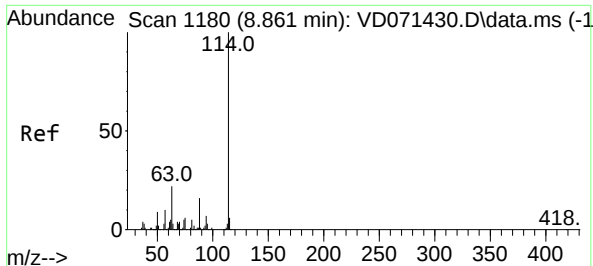
Delta R.T. 0.000 min

Lab File: VD071469.D

Acq: 25 Dec 2021 20:28

Tgt Ion:	65	Resp:	11265
Ion	Ratio	Lower	Upper
65	100		
67	53.0	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: VD071469.D

Acq: 25 Dec 2021 20:28

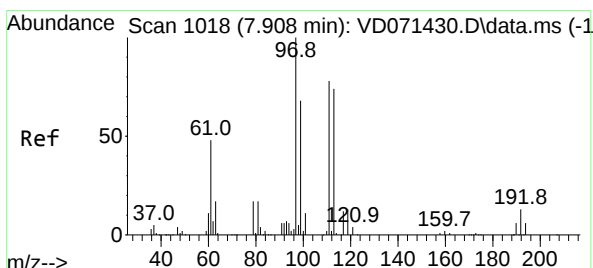
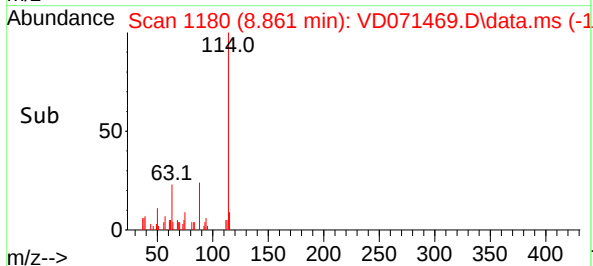
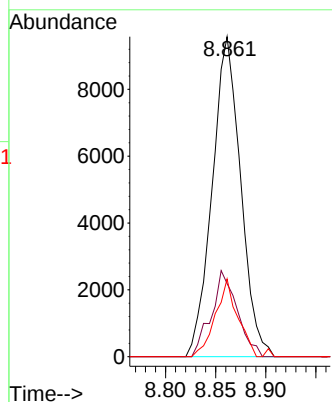
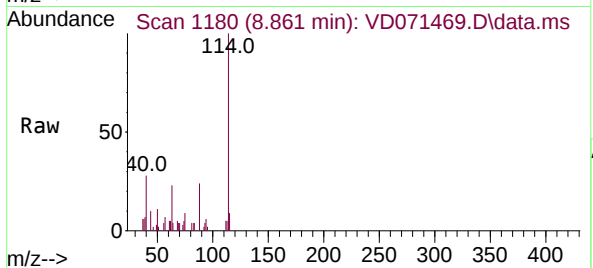
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	114	Resp:	18889
Ion Ratio	Lower	Upper	
114	100		
63	22.8	0.0	41.8
88	24.3	0.0	32.8



#35

Dibromofluoromethane

Concen: 45.577 ug/l

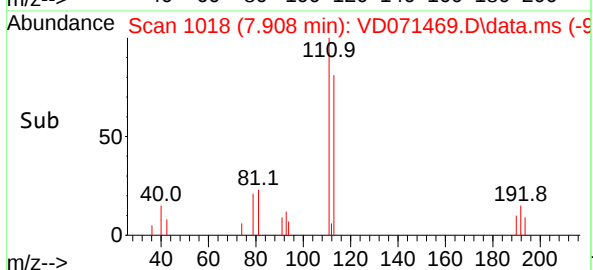
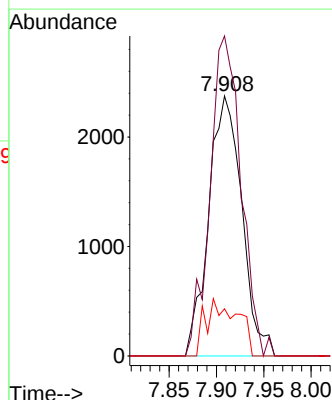
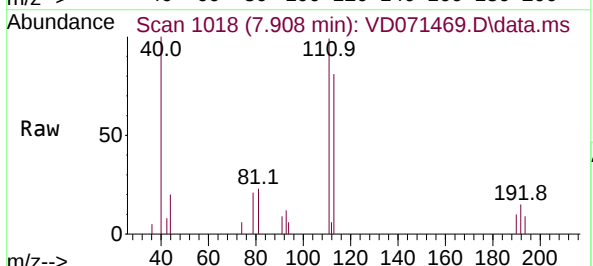
RT: 7.908 min Scan# 1018

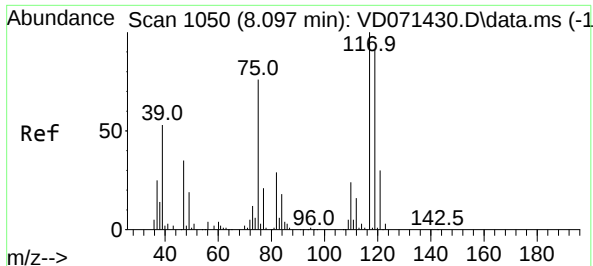
Delta R.T. 0.000 min

Lab File: VD071469.D

Acq: 25 Dec 2021 20:28

Tgt Ion:	113	Resp:	5786
Ion Ratio	Lower	Upper	
113	100		
111	115.3	82.0	123.0
192	21.1	15.2	22.8

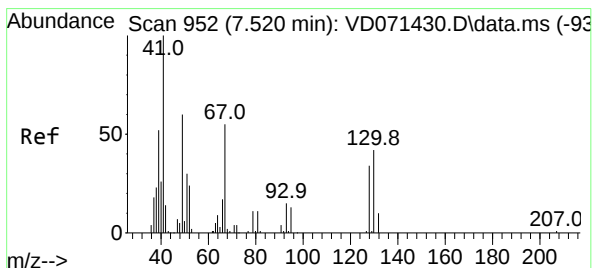
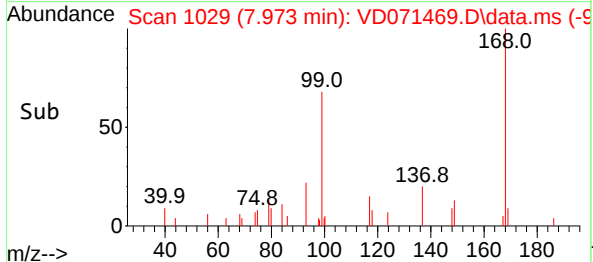
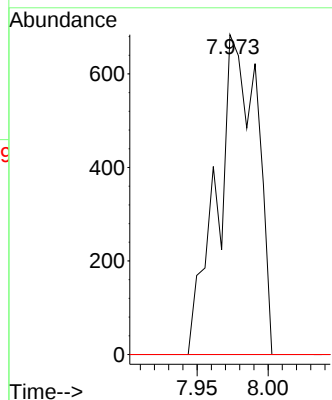
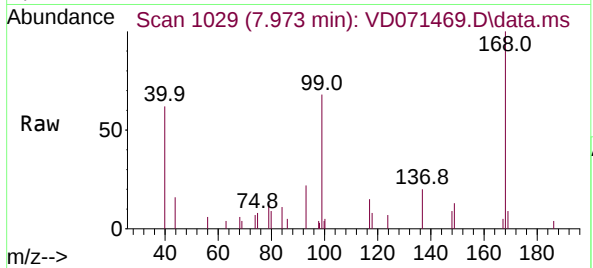




#38
Carbon Tetrachloride
Concen: 6.657 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

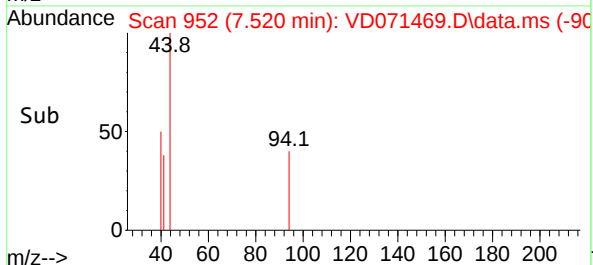
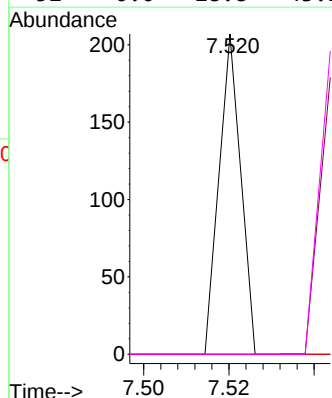
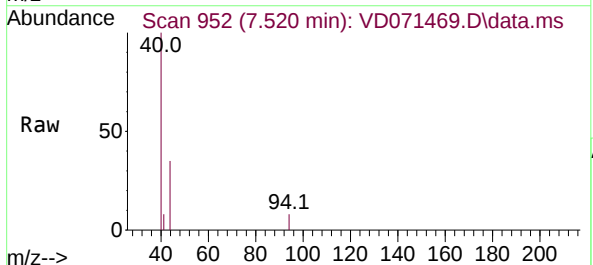
Instrument :
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DB-17-(10-15)-12-22-21

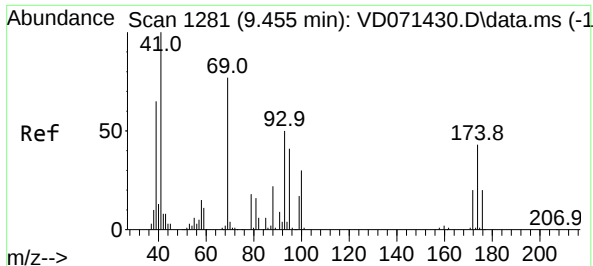
Tgt Ion:117 Resp: 1332
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.313 ug/l
RT: 7.520 min Scan# 952
Delta R.T. -0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion: 41 Resp: 73
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#





#49

1,4-Dioxane

Concen: 62.268 ug/l

RT: 9.273 min Scan# 11

Delta R.T. -0.182 min

Lab File: VD071469.D

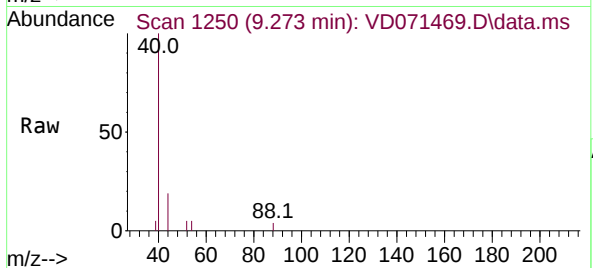
Acq: 25 Dec 2021 20:28

Instrument :

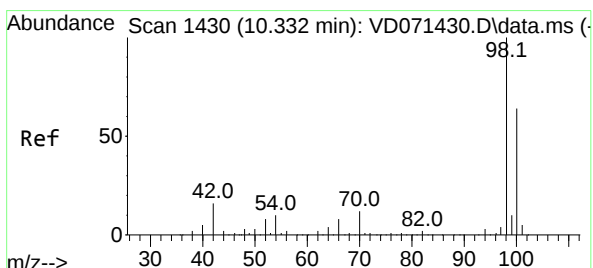
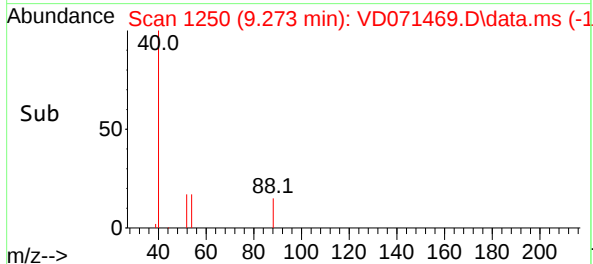
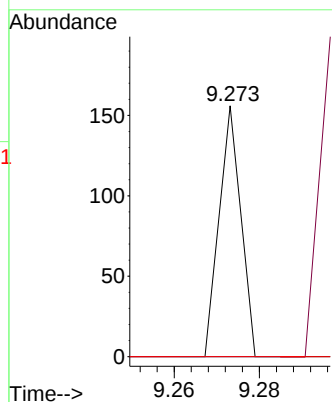
MSVOA_D

ClientSampleId :

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Tgt Ion:	88	Resp:	55
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.9	43.3#
58	0.0	56.3	84.5#



#50

Toluene-d8

Concen: 52.384 ug/l

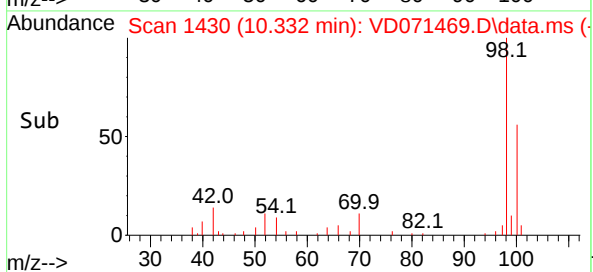
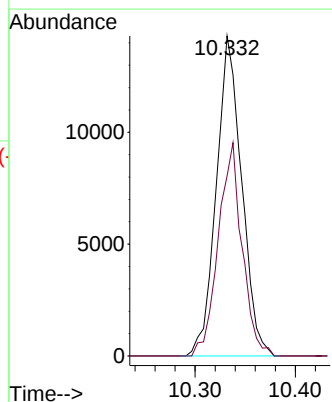
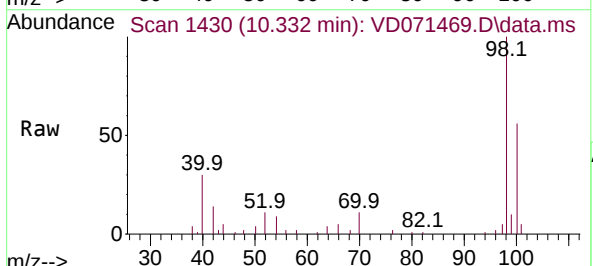
RT: 10.332 min Scan# 1430

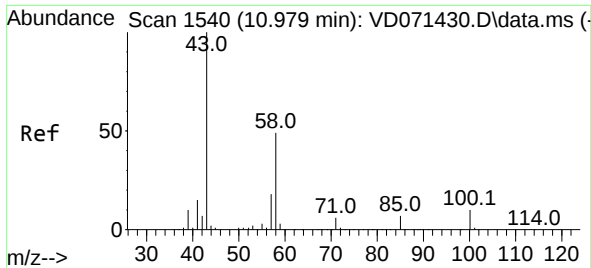
Delta R.T. -0.000 min

Lab File: VD071469.D

Acq: 25 Dec 2021 20:28

Tgt Ion:	98	Resp:	25131
Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.8	77.6

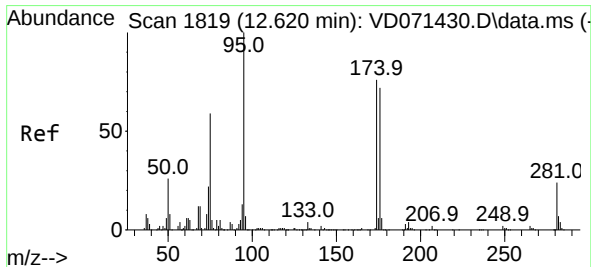
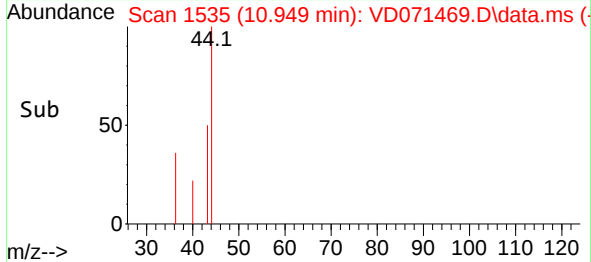
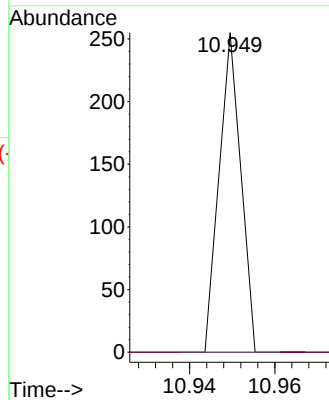
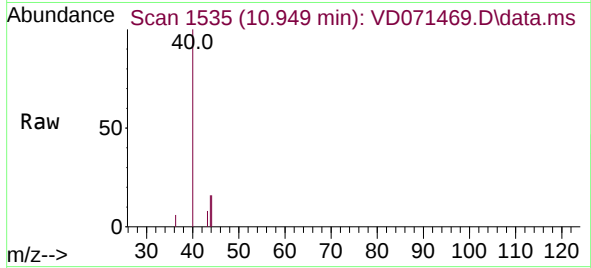




#59
2-Hexanone
Concen: 1.302 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

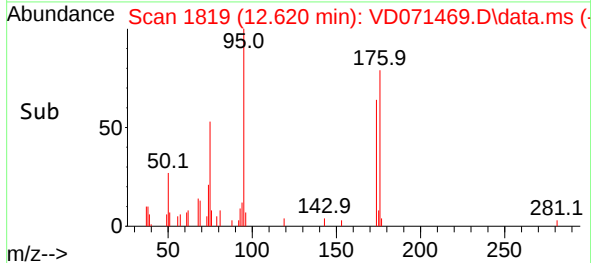
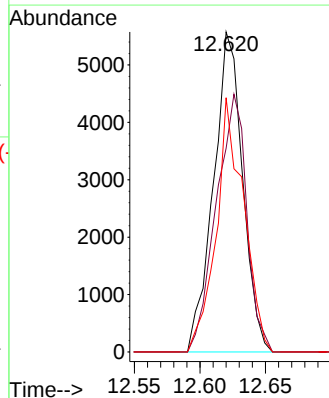
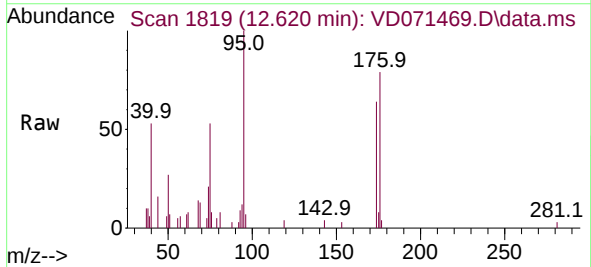
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(10-15)-12-22-21

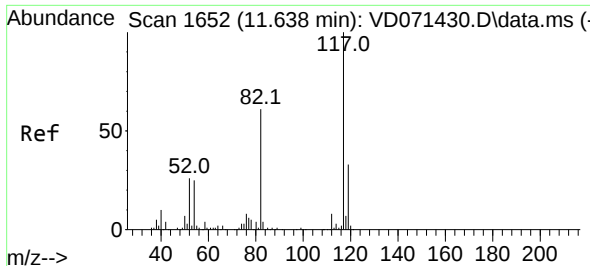
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 50.529 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion: 95 Resp: 8614
Ion Ratio Lower Upper
95 100
174 84.2 0.0 159.4
176 75.0 0.0 154.0

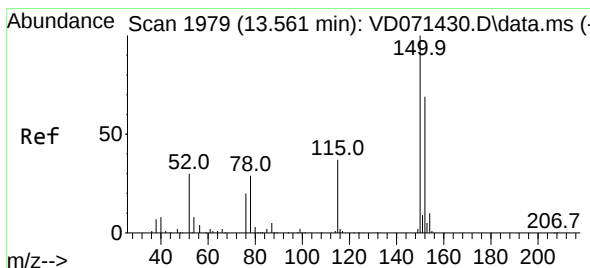
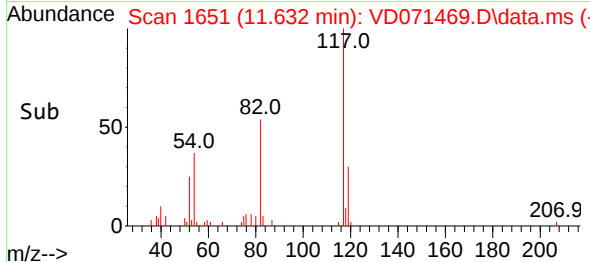
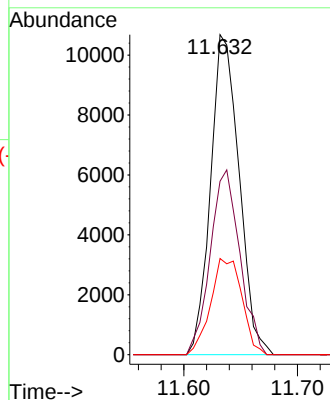
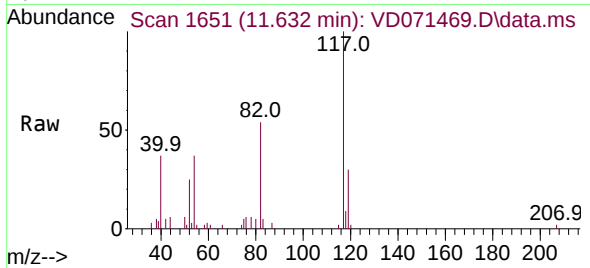




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

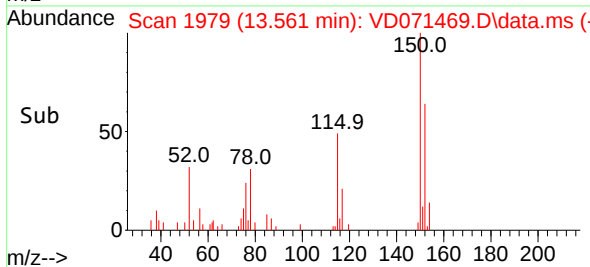
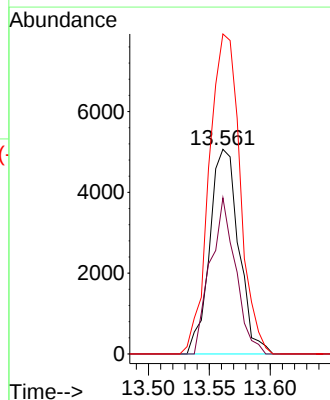
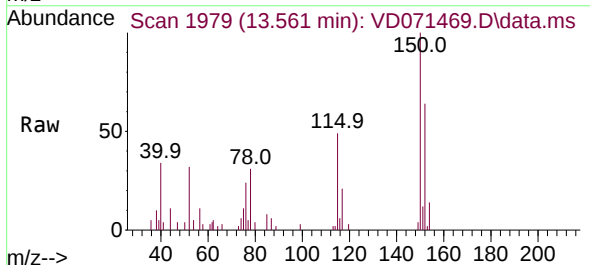
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(10-15)-12-22-21

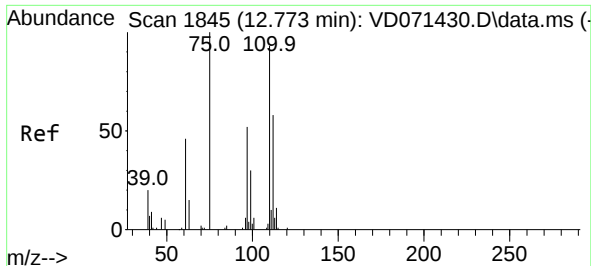
Tgt Ion:	117	Resp:	18639
Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.7	67.1
119	30.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

Tgt Ion:	152	Resp:	8413
Ion	Ratio	Lower	Upper
152	100		
115	66.3	29.8	89.3
150	166.1	0.0	349.2

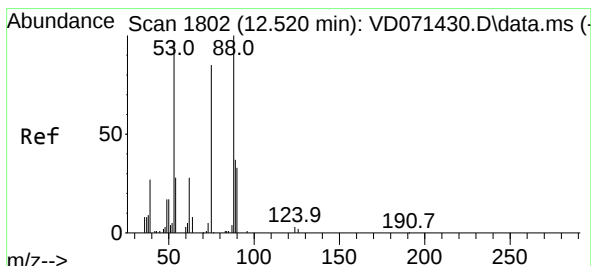
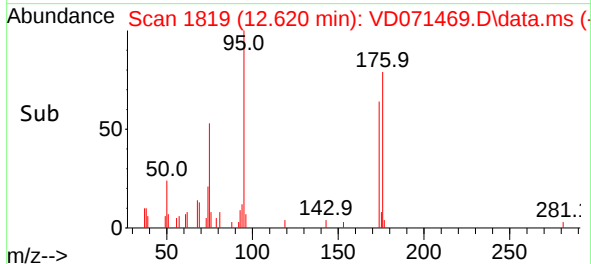
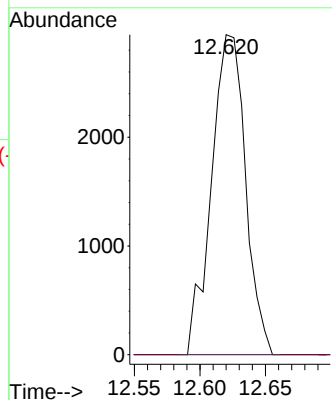
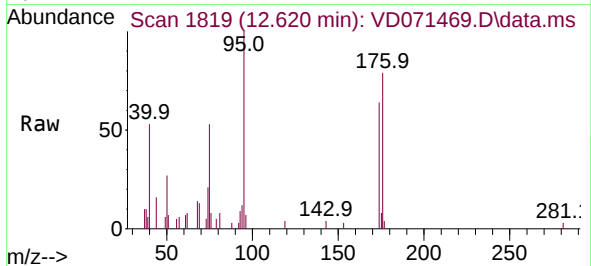




#76
1,2,3-Trichloropropane
Concen: 53.300 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

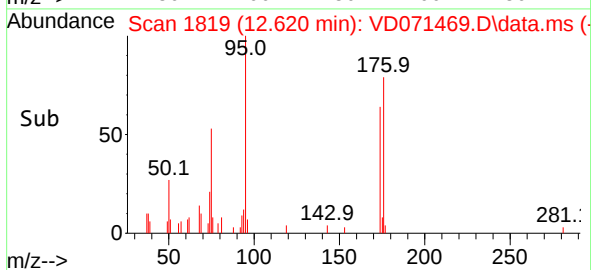
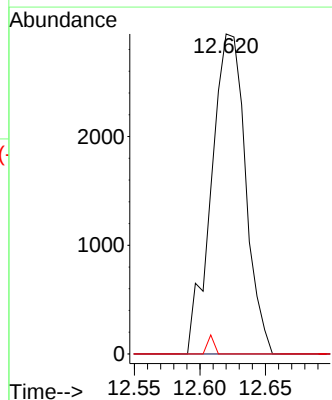
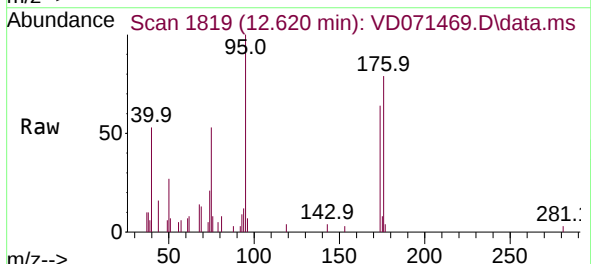
Instrument :
MSVOA_D
ClientSampleId :
DB-17-(10-15)-12-22-21

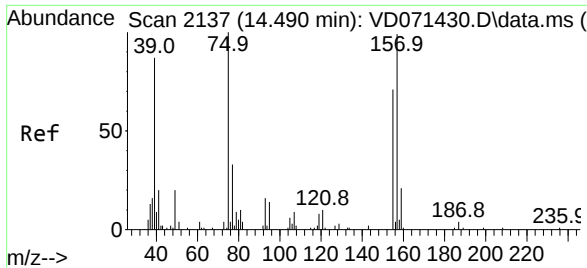
Tgt Ion: 75 Resp: 5328
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.602 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071469.D
Acq: 25 Dec 2021 20:28

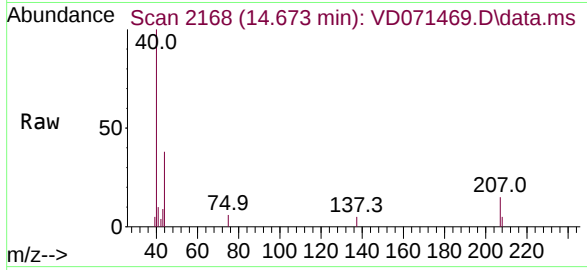
Tgt Ion: 75 Resp: 5328
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 1.2 34.5 51.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.393 ug/l
 RT: 14.673 min Scan# 21
 Delta R.T. 0.183 min
 Lab File: VD071469.D
 Acq: 25 Dec 2021 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-17-(10-15)-12-22-21



Tgt Ion:	75	Resp:	69
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#

