

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071363.D
 Acq On : 16 Dec 2021 13:16
 Operator : VA/SY
 Sample : M5083-07RE
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:48:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

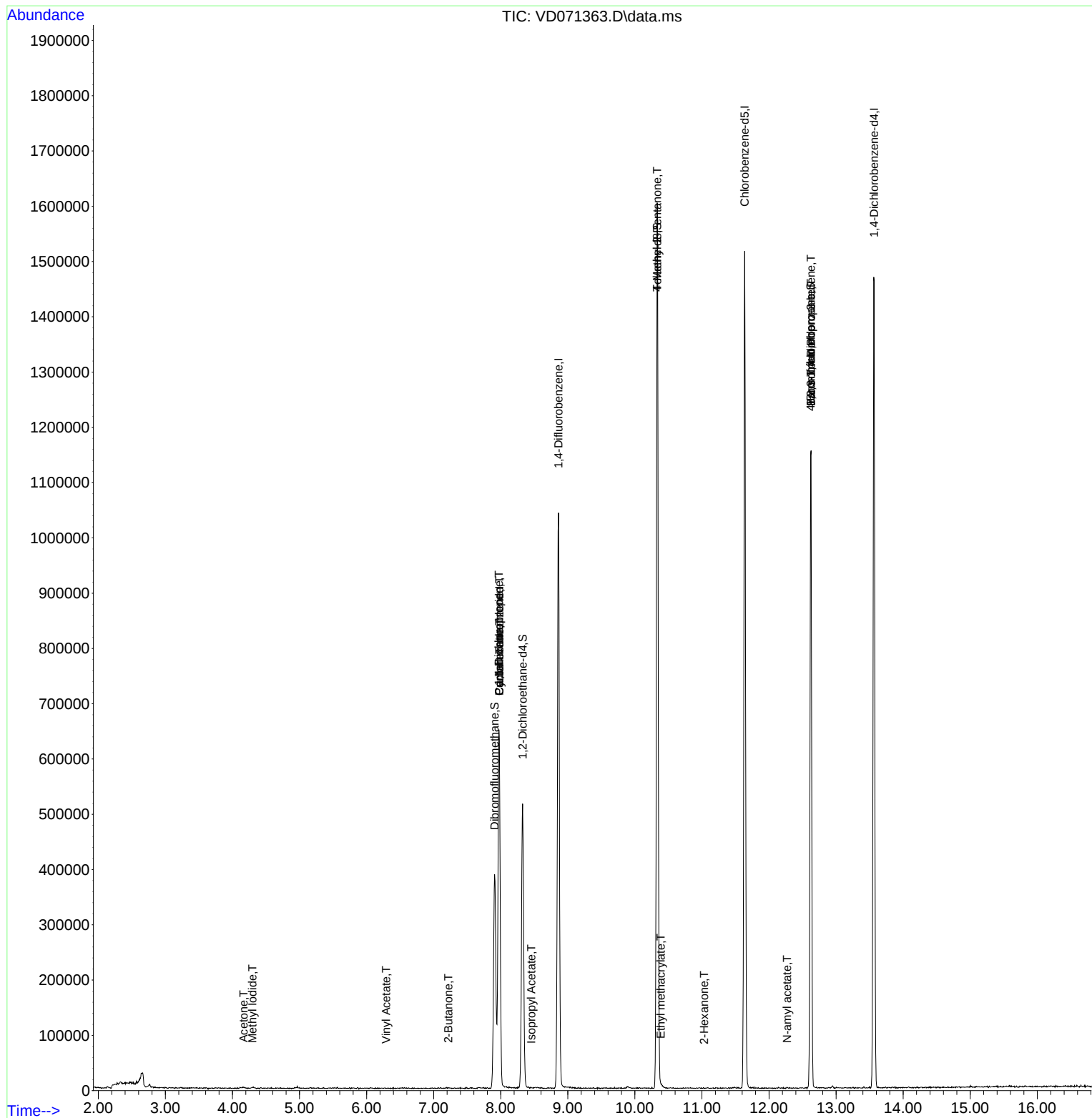
Internal Standards						
1) Pentafluorobenzene	7.979	168	460820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	832825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	788876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	364926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	402081	74.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.720%	
35) Dibromofluoromethane	7.908	113	275899	52.024	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.040%	
50) Toluene-d8	10.332	98	1039232	51.493	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.620	95	369203	52.775	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1780	4.861	ug/l #	62
11) Tert butyl alcohol	5.209	59	270	Below Cal	#	71
16) Acetone	4.168	43	2647	32.413	ug/l #	73
20) Methylene Chloride	4.973	84	1135	Below Cal	#	50
23) Vinyl Acetate	6.291	43	68	27.225	ug/l #	72
25) 2-Butanone	7.220	43	200	28.466	ug/l #	45
31) Cyclohexane	7.979	56	13517	1.470	ug/l #	40
36) 1,1-Dichloropropene	7.973	75	41599	5.344	ug/l #	50
38) Carbon Tetrachloride	7.979	117	52534	6.847	ug/l #	18
41) Methacrylonitrile	7.508	41	65	Below Cal	#	12
43) Isopropyl Acetate	8.456	43	74	5.232	ug/l #	47
51) 4-Methyl-2-Pentanone	10.332	43	6456	32.146	ug/l #	1
56) Ethyl methacrylate	10.385	69	61	5.980	ug/l #	1
59) 2-Hexanone	11.032	43	147	34.618	ug/l	93
71) Bromoform	12.626	173	4272	1.543	ug/l #	1
74) N-amyl acetate	12.267	43	403	5.750	ug/l #	55
76) 1,2,3-Trichloropropane	12.626	75	204545	58.830	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	204545	127.485	ug/l #	18

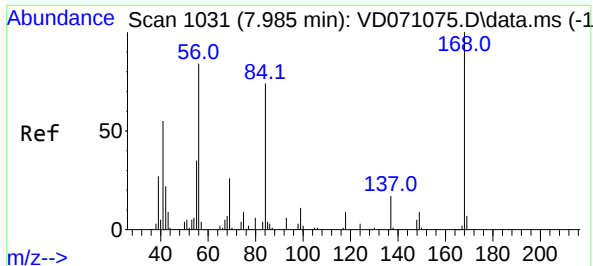
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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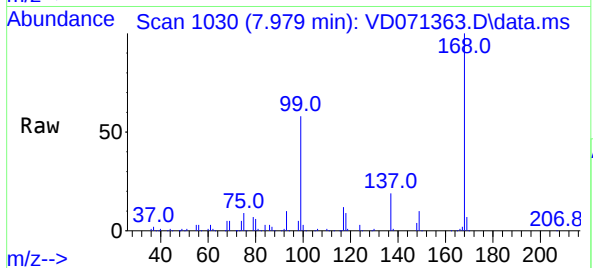
Quant Time: Dec 16 23:48:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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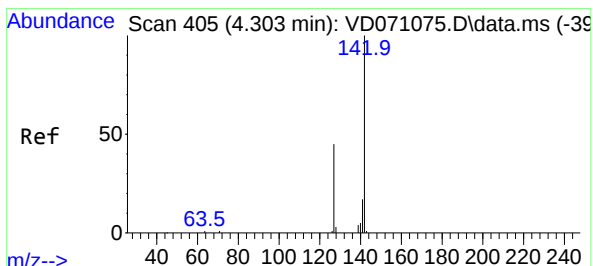
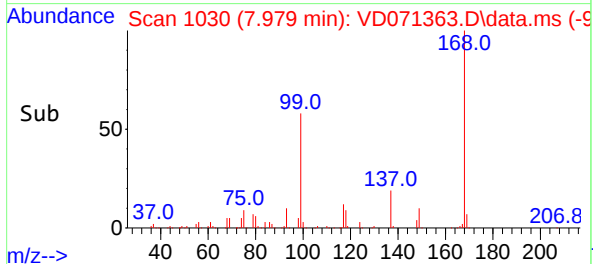
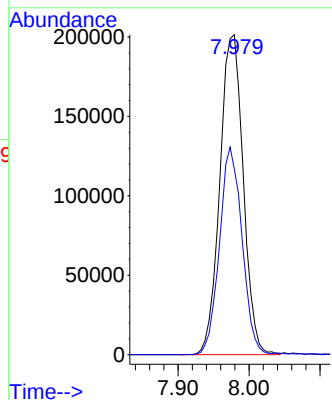


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :

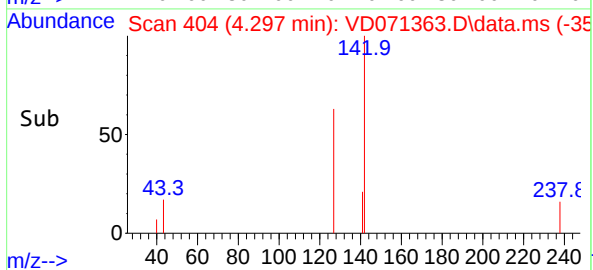
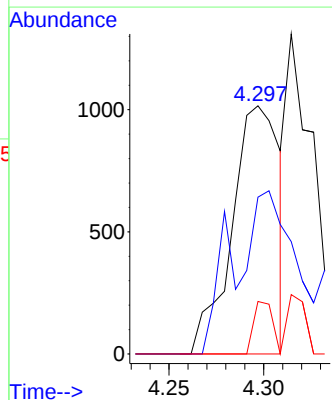
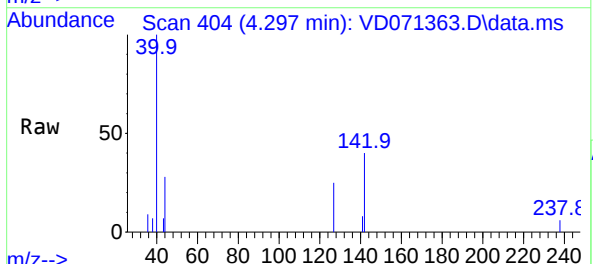


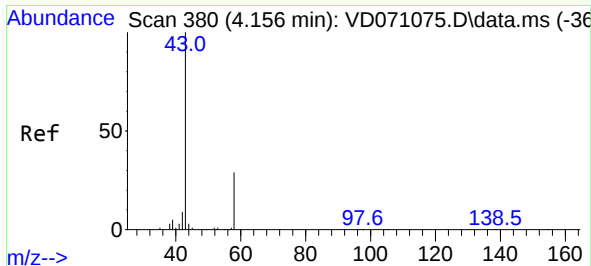
Tgt Ion:168 Resp: 460820
Ion Ratio Lower Upper
168 100
99 58.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.861 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion:142 Resp: 1780
Ion Ratio Lower Upper
142 100
127 73.0 35.0 52.4#
141 8.3 12.0 18.0#

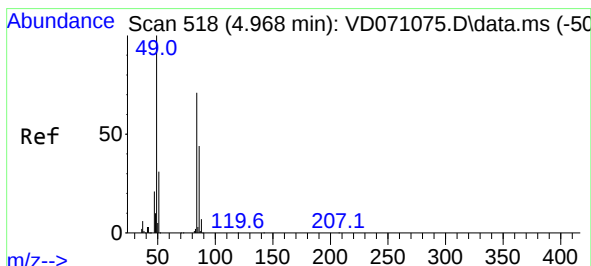
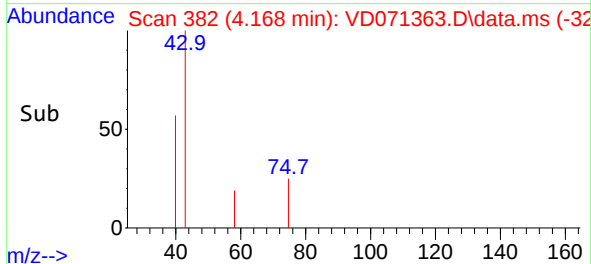
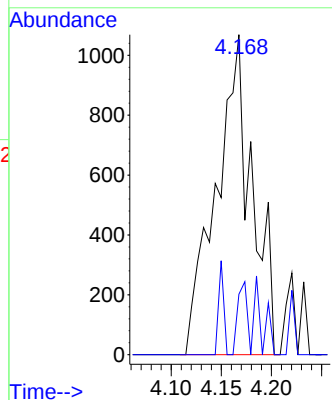
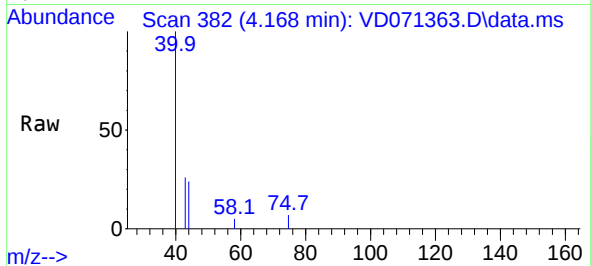




#16
Acetone
Concen: 32.413 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

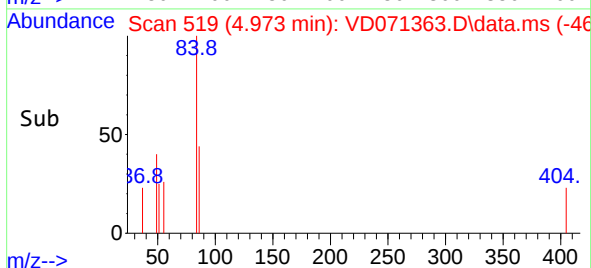
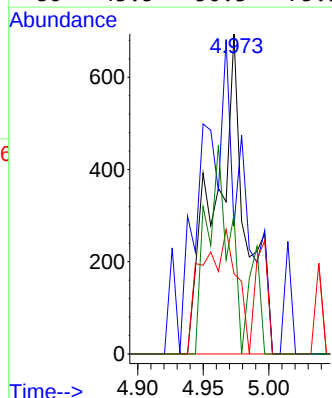
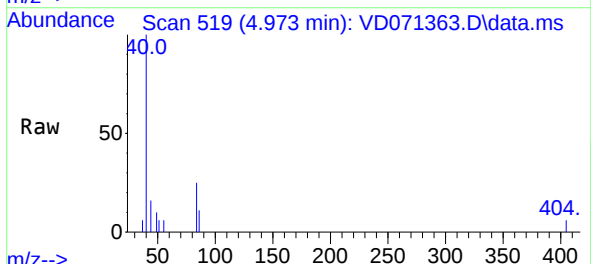
Instrument :
MSVOA_D
ClientSampleId :

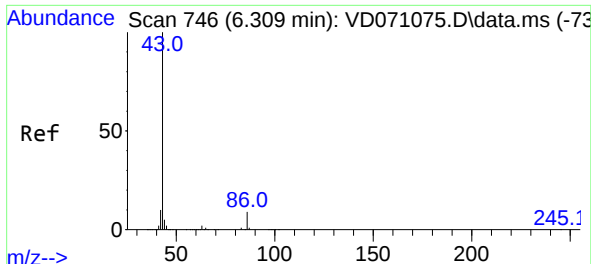
Tgt Ion: 43 Resp: 2647
Ion Ratio Lower Upper
43 100
58 18.9 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 84 Resp: 1135
Ion Ratio Lower Upper
84 100
49 39.9 95.8 143.6#
51 25.1 30.9 46.3#
86 43.5 50.3 75.5#

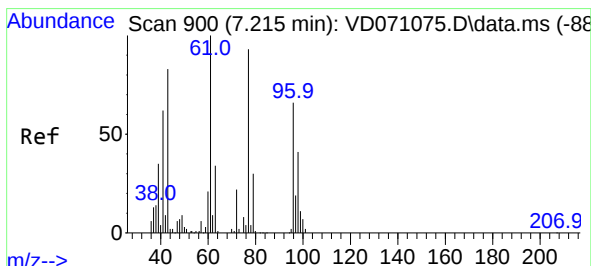
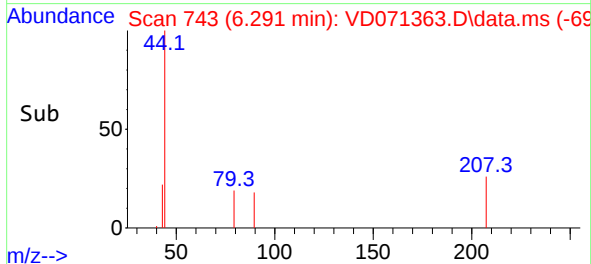
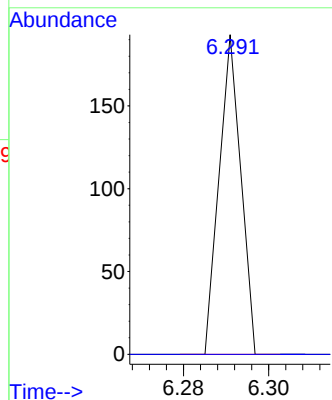
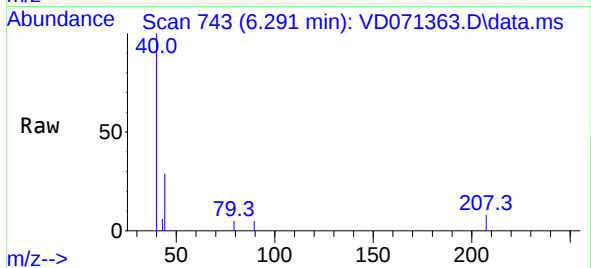




#23
 Vinyl Acetate
 Concen: 27.225 ug/l
 RT: 6.291 min Scan# 746
 Delta R.T. -0.018 min
 Lab File: VD071363.D
 Acq: 16 Dec 2021 13:16

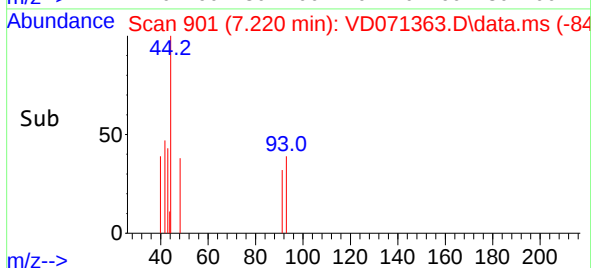
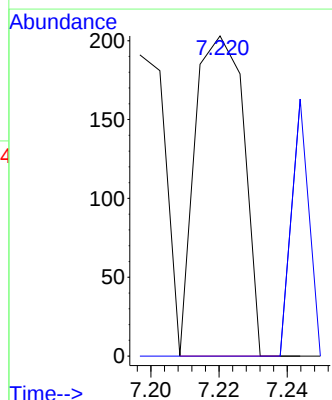
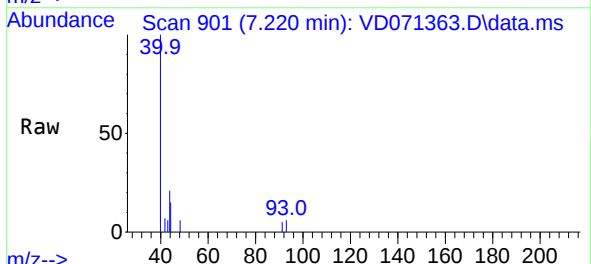
Instrument :
 MSVOA_D
 ClientSampleId :

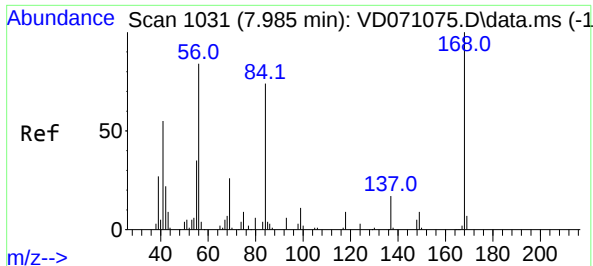
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.466 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071363.D
 Acq: 16 Dec 2021 13:16

Tgt Ion: 43 Resp: 200
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

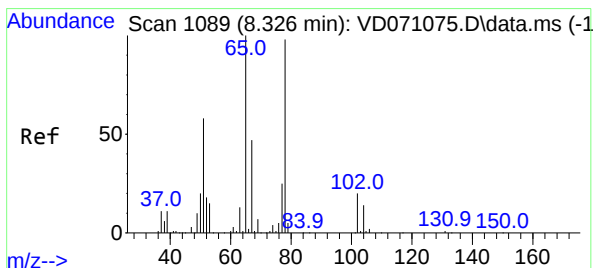
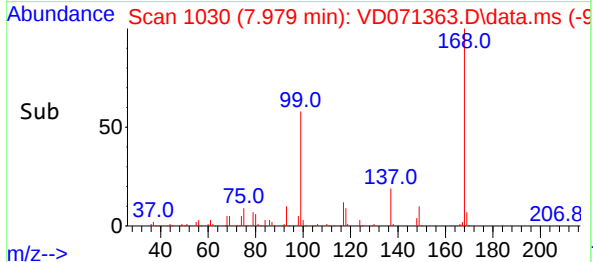
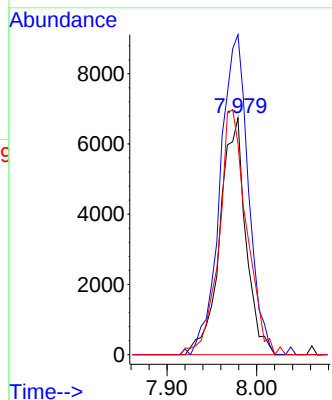
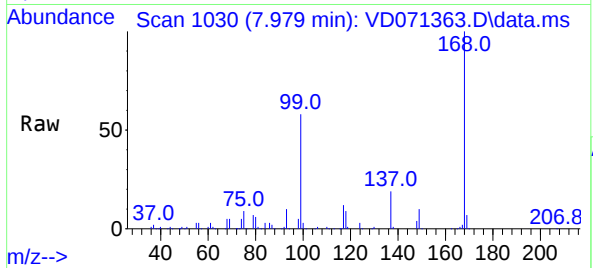




#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

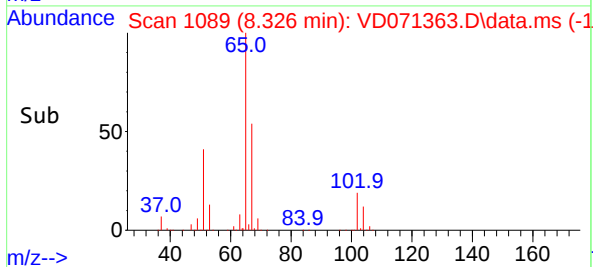
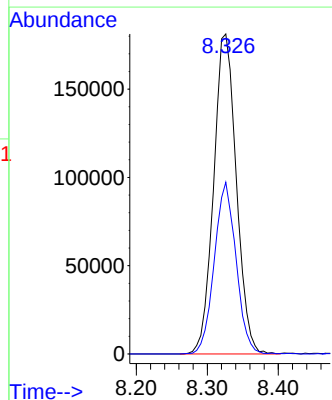
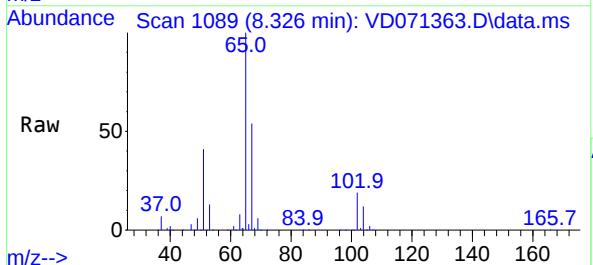
Instrument :
MSVOA_D
ClientSampleId :

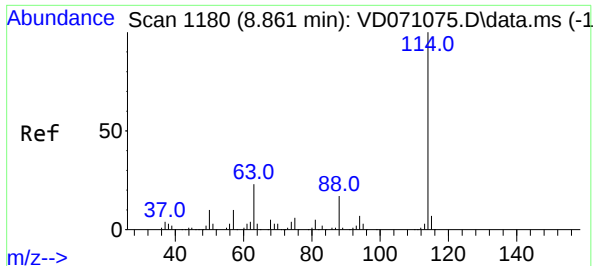
Tgt Ion: 56 Resp: 13517
Ion Ratio Lower Upper
56 100
69 135.2 25.9 38.9#
84 89.3 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 74.360 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 65 Resp: 402081
Ion Ratio Lower Upper
65 100
67 51.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071363.D

Acq: 16 Dec 2021 13:16

Instrument :

MSVOA_D

ClientSampleId :

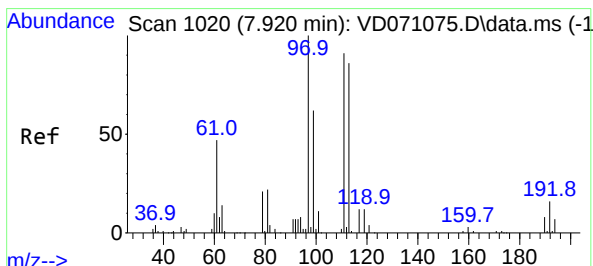
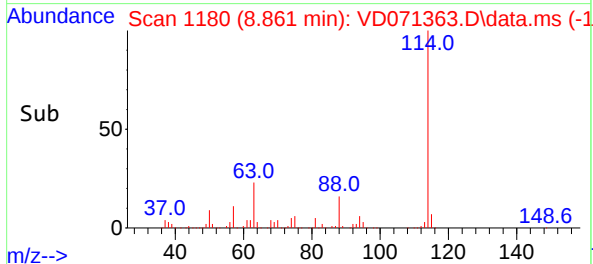
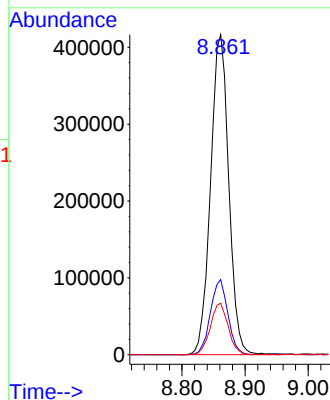
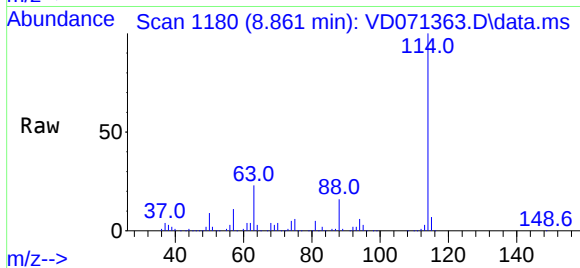
Tgt Ion:114 Resp: 832825

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.024 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071363.D

Acq: 16 Dec 2021 13:16

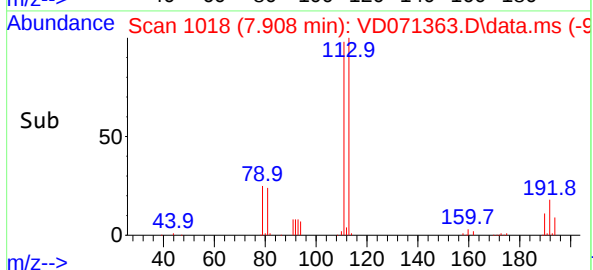
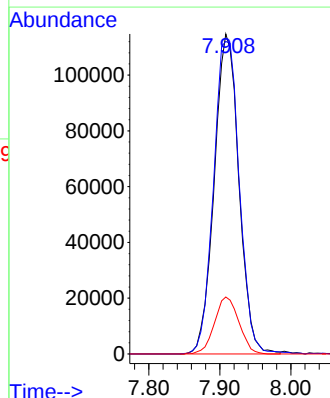
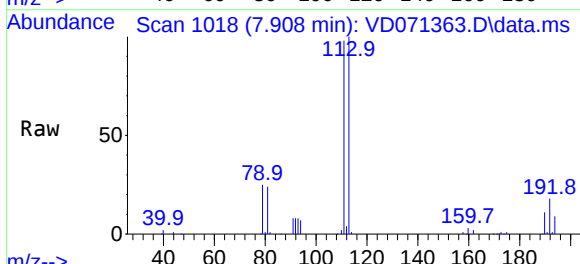
Tgt Ion:113 Resp: 275899

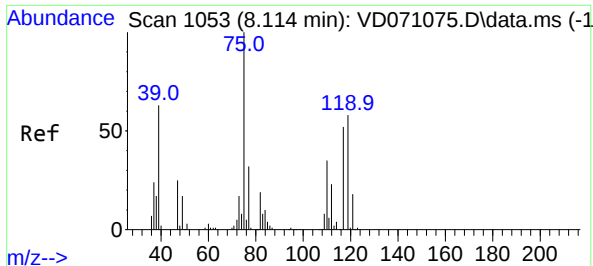
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 17.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.344 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071363.D

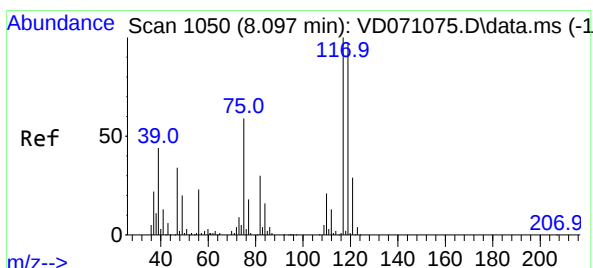
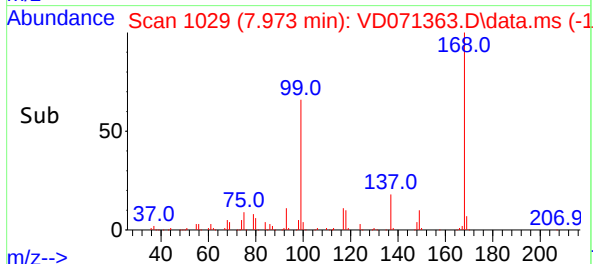
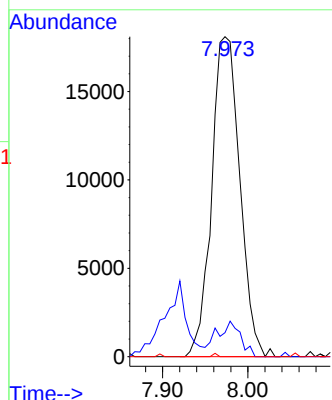
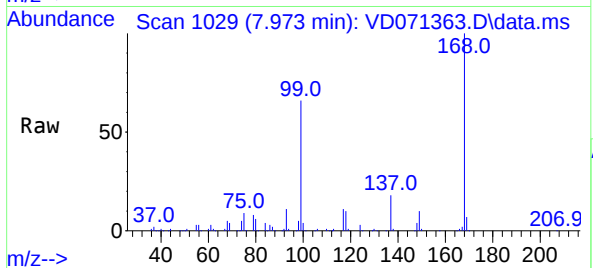
Acq: 16 Dec 2021 13:16

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	41599
Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.8	53.4#
77	0.2	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.847 ug/l

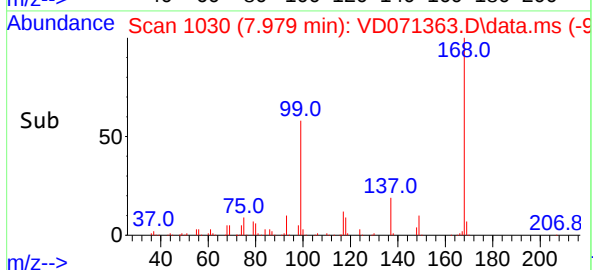
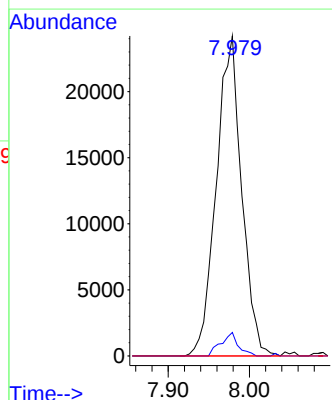
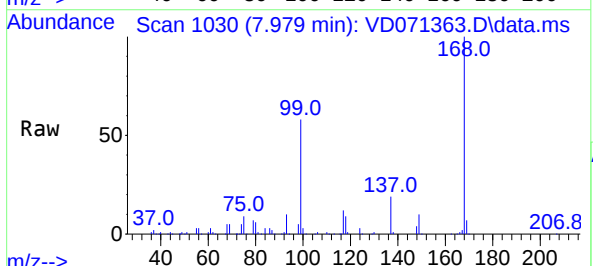
RT: 7.979 min Scan# 1030

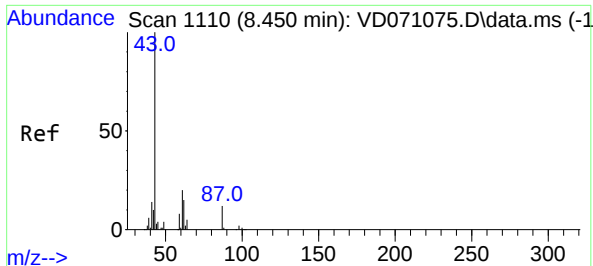
Delta R.T. -0.118 min

Lab File: VD071363.D

Acq: 16 Dec 2021 13:16

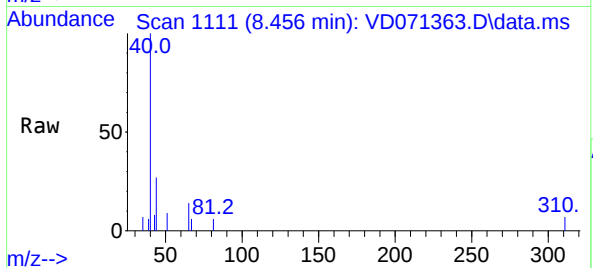
Tgt Ion:	117	Resp:	52534
Ion	Ratio	Lower	Upper
117	100		
119	7.3	75.8	113.6#
121	0.0	23.6	35.4#



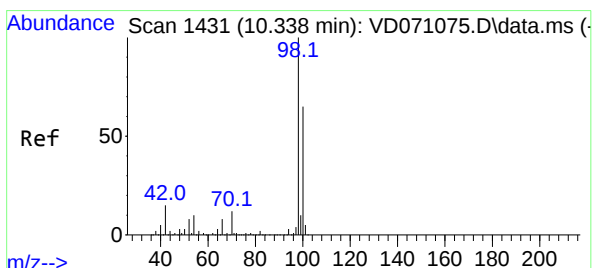
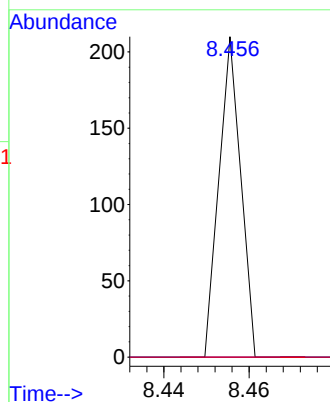
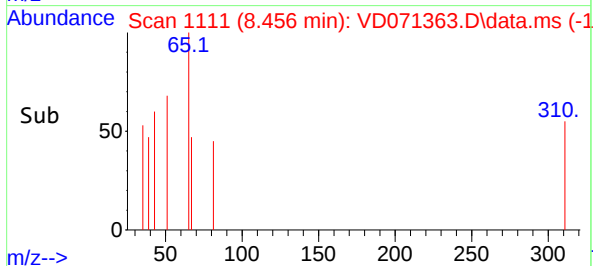


#43
Isopropyl Acetate
Concen: 5.232 ug/l
RT: 8.456 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :

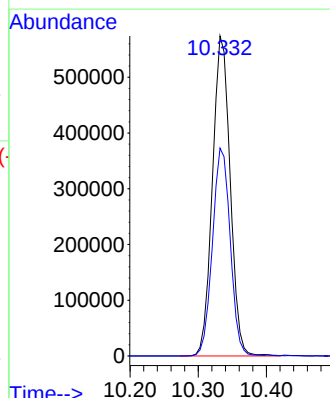
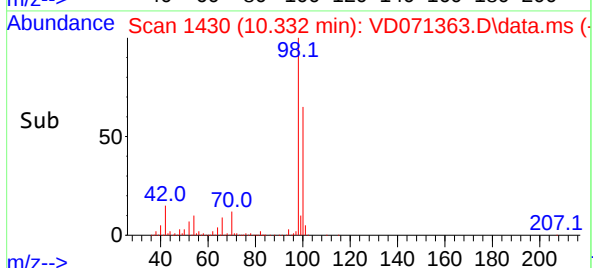
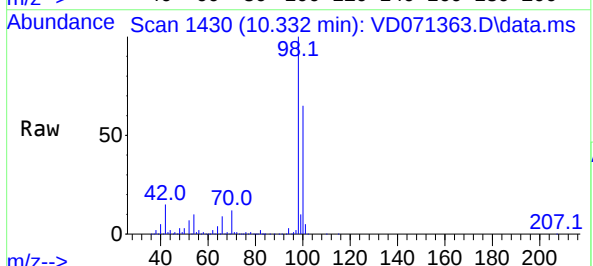


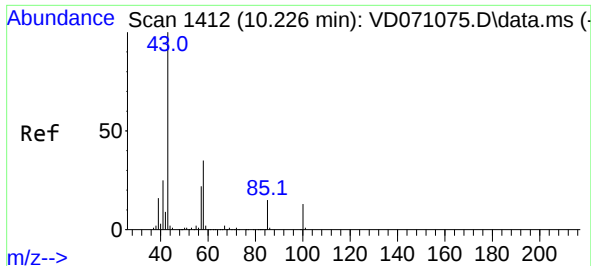
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.493 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

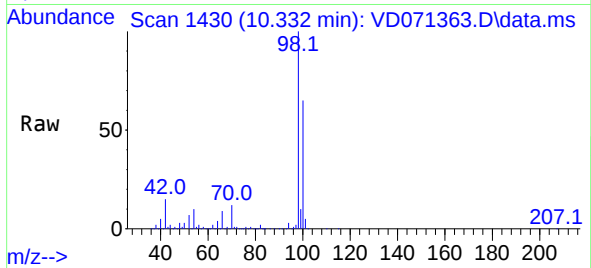
Tgt Ion: 98 Resp: 1039232
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



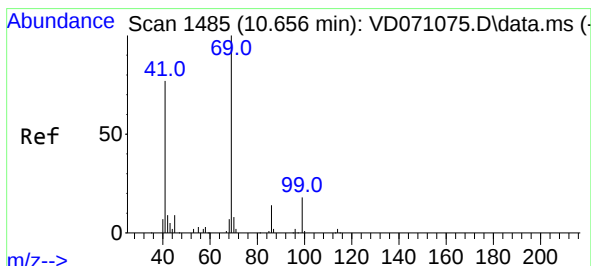
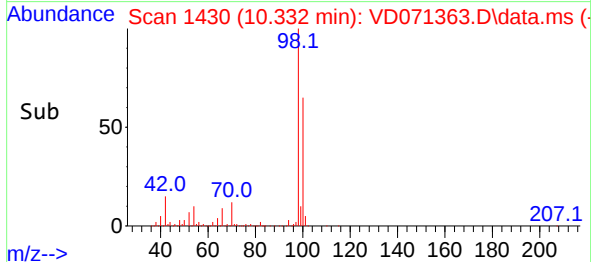
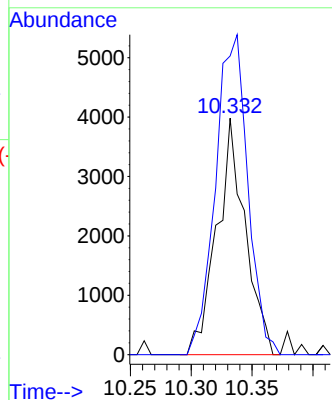


#51
4-Methyl-2-Pentanone
Concen: 32.146 ug/l
RT: 10.332 min Scan# 1412
Delta R.T. 0.106 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :

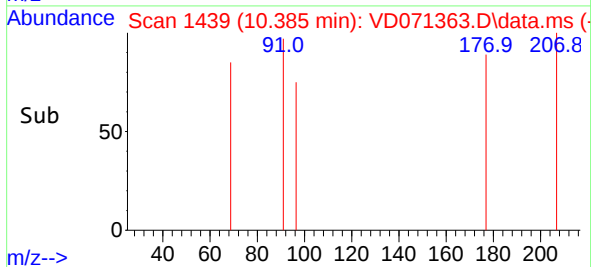
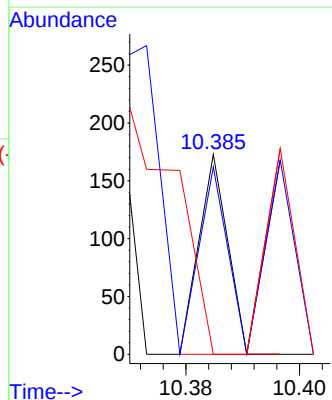
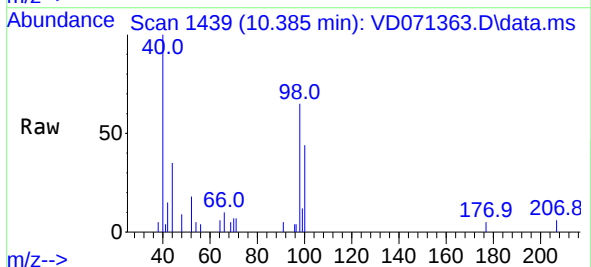


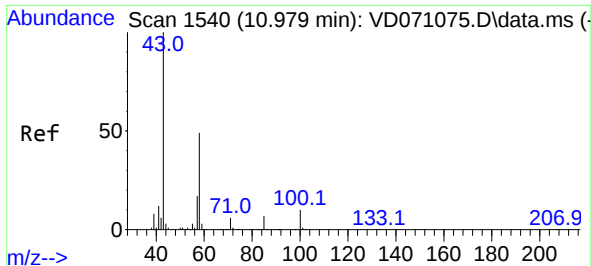
Tgt Ion: 43 Resp: 6456
Ion Ratio Lower Upper
43 100
58 154.4 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.980 ug/l
RT: 10.385 min Scan# 1439
Delta R.T. -0.271 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 103.3 19.8 29.8#

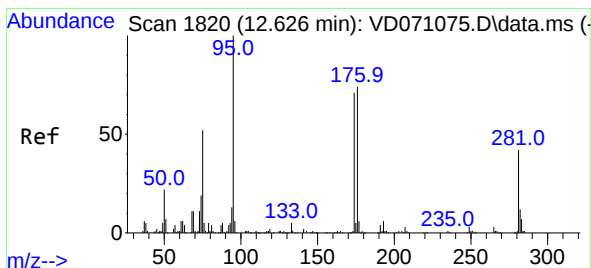
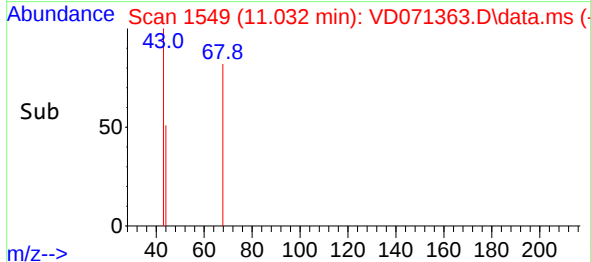
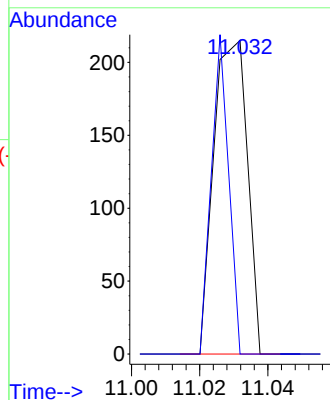
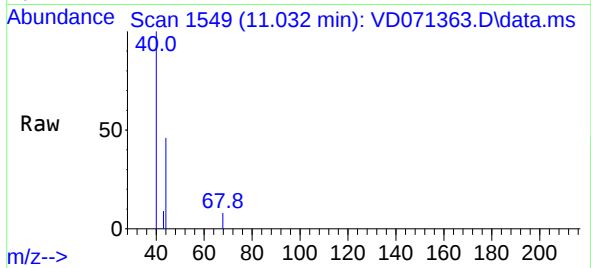




#59
2-Hexanone
Concen: 34.618 ug/l
RT: 11.032 min Scan# 11
Delta R.T. 0.053 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

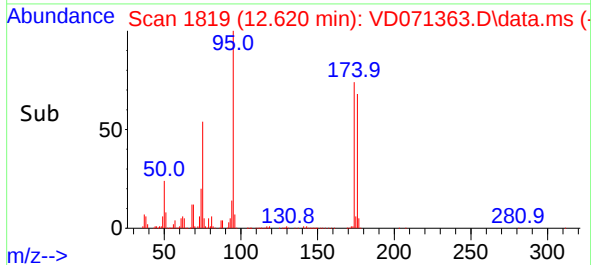
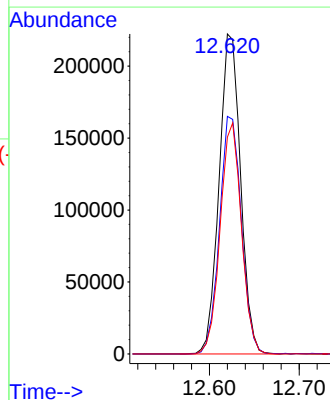
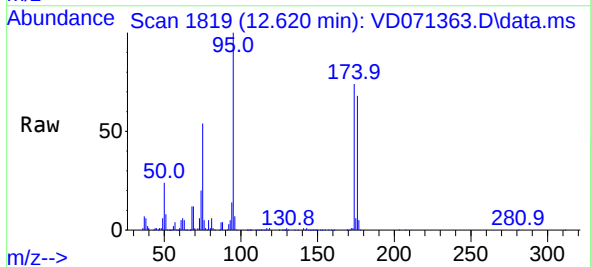
Instrument :
MSVOA_D
ClientSampleId :

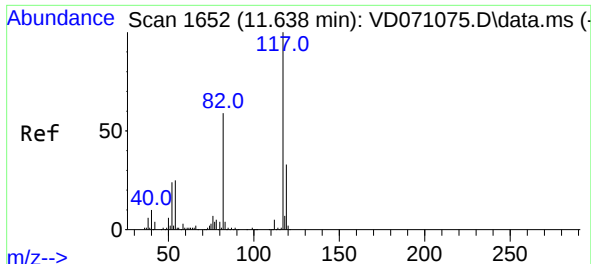
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 52.4 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 52.775 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 95 Resp: 369203
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 71.4 0.0 154.0

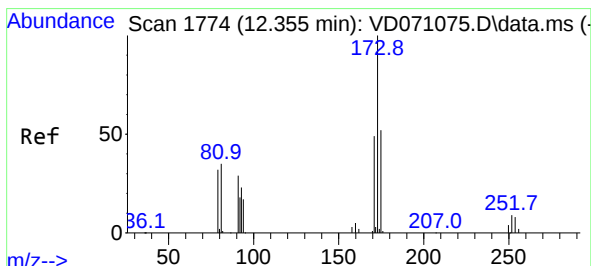
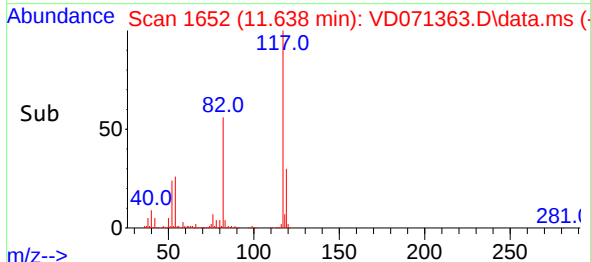
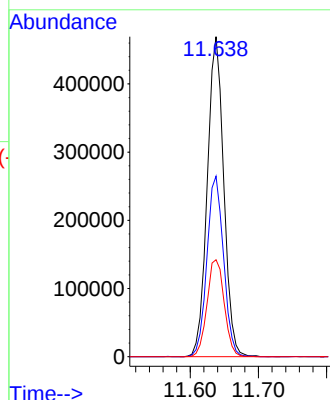
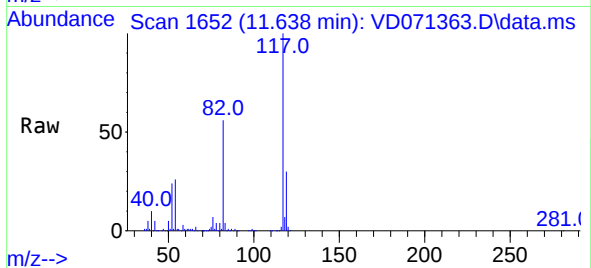




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

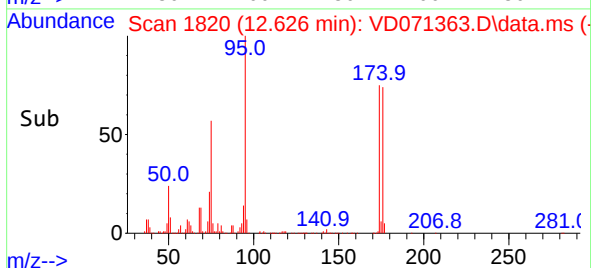
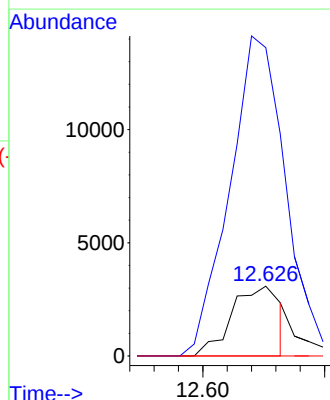
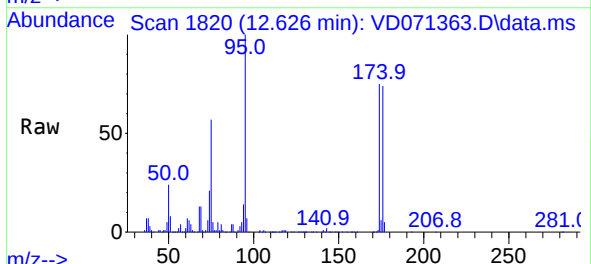
Instrument :
MSVOA_D
ClientSampleId :

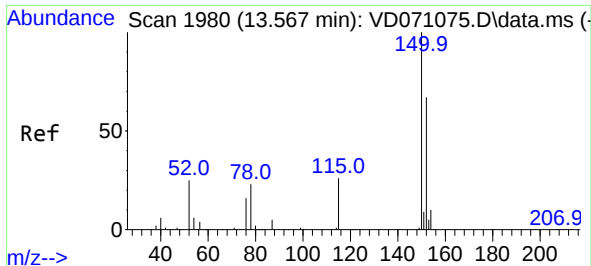
Tgt Ion:117 Resp: 788876
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 30.3 26.2 39.4



#71
Bromoform
Concen: 1.543 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion:173 Resp: 4272
Ion Ratio Lower Upper
173 100
175 464.7 24.1 72.2#
254 0.0 0.1 0.1#

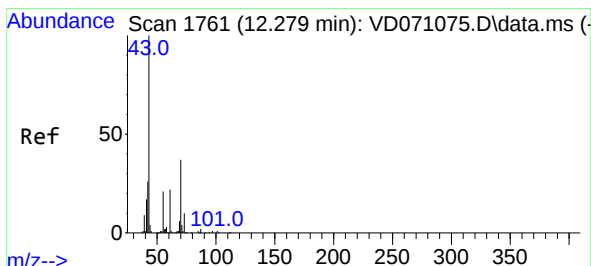
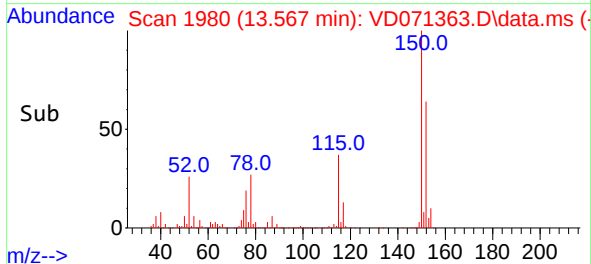
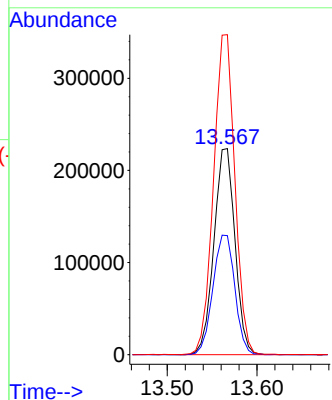
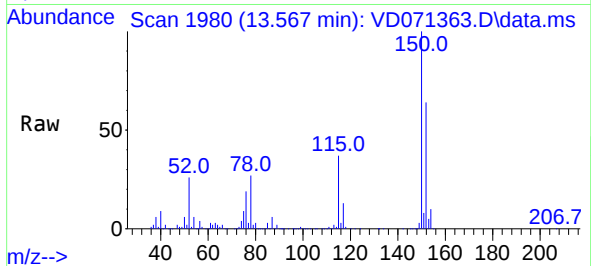




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

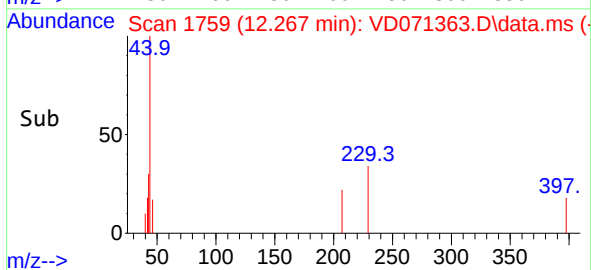
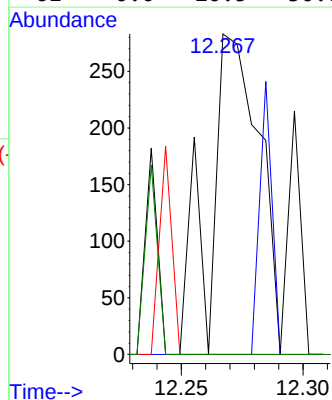
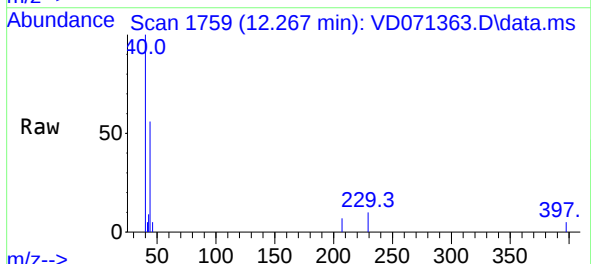
Instrument :
MSVOA_D
ClientSampleId :

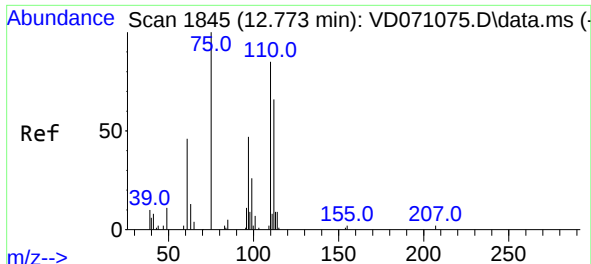
Tgt Ion:152 Resp: 364926
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 157.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.750 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 43 Resp: 403
Ion Ratio Lower Upper
43 100
70 21.1 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

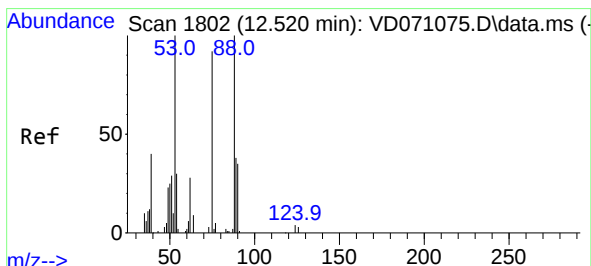
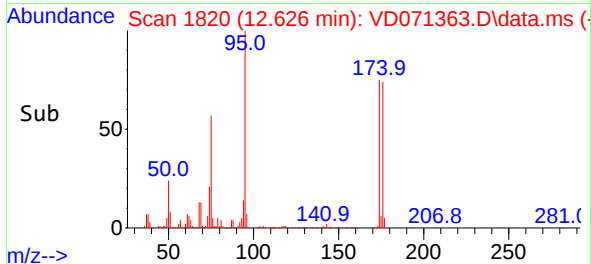
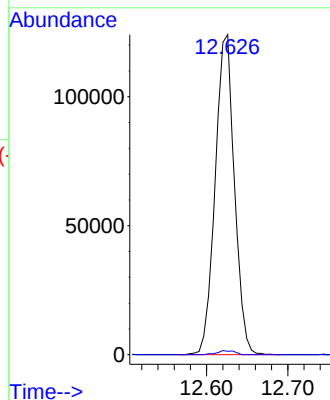
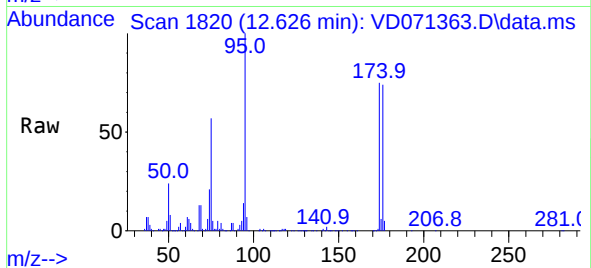




#76
1,2,3-Trichloropropane
Concen: 58.830 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 204545
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.485 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071363.D
Acq: 16 Dec 2021 13:16

Tgt Ion: 75 Resp: 204545
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#

