

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070964.D
 Acq On : 10 Nov 2021 10:48
 Operator : VA/SY
 Sample : VD1110SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:26:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

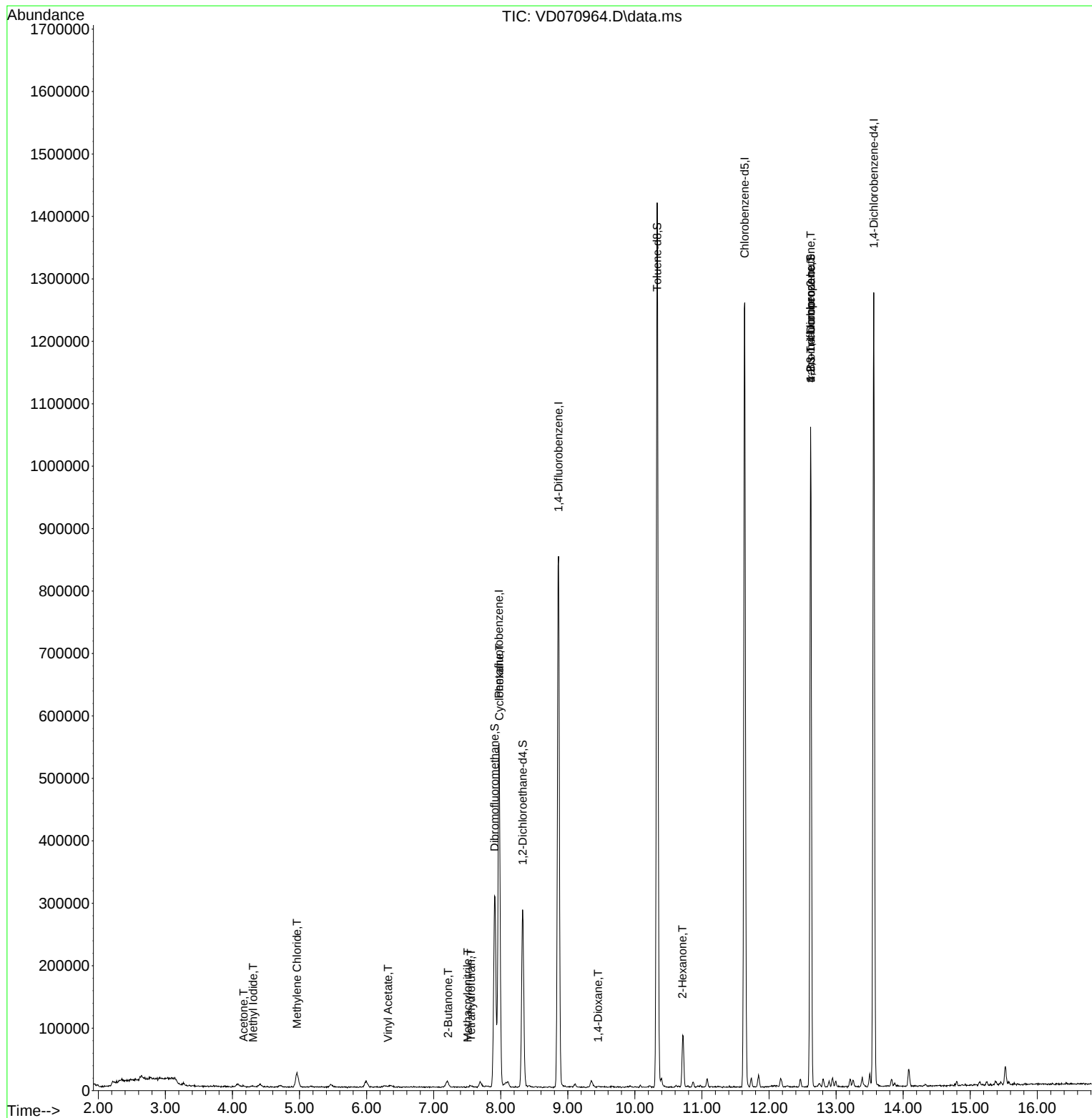
Internal Standards						
1) Pentafluorobenzene	7.973	168	390077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	718008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	702390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	321630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217002	52.250	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.500%	
35) Dibromofluoromethane	7.909	113	220976	54.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.080%	
50) Toluene-d8	10.332	98	917476	57.823	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.640%	
62) 4-Bromofluorobenzene	12.620	95	339890	59.494	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.980%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	1777	6.367	ug/l #	40
13) Acrolein	3.926	56	64	Below Cal	#	1
16) Acetone	4.168	43	3267	22.478	ug/l #	84
20) Methylene Chloride	4.962	84	15216	2.822	ug/l	95
23) Vinyl Acetate	6.320	43	3343	21.357	ug/l #	85
25) 2-Butanone	7.214	43	2602	22.016	ug/l #	45
29) Tetrahydrofuran	7.556	42	1473	1.746	ug/l #	50
31) Cyclohexane	7.979	56	13090	1.533	ug/l #	29
41) Methacrylonitrile	7.509	41	791	3.847	ug/l #	38
49) 1,4-Dioxane	9.450	88	64	2.377	ug/l #	1
59) 2-Hexanone	10.708	43	85	15.969	ug/l	69
76) 1,2,3-Trichloropropane	12.620	75	179901	65.481	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	179901	121.029	ug/l #	18

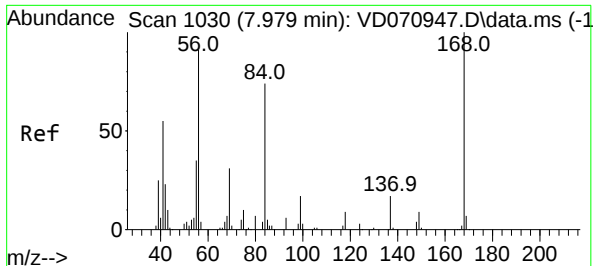
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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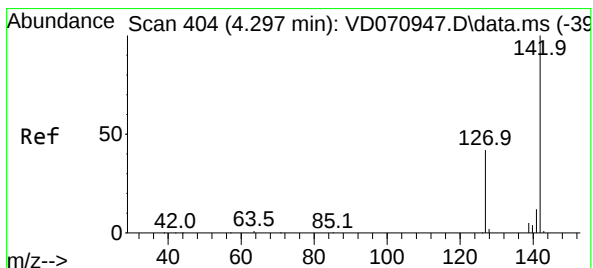
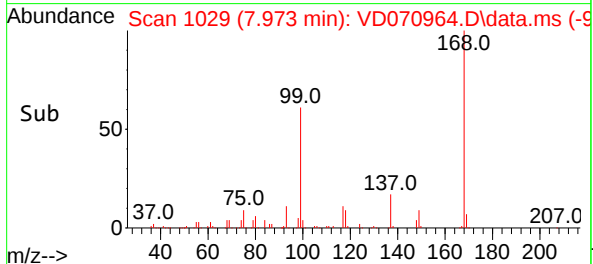
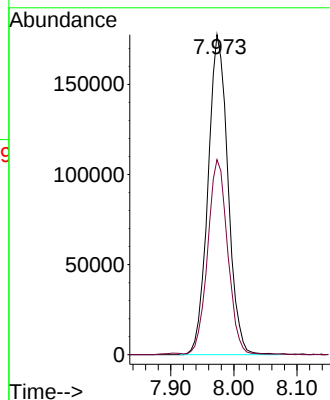
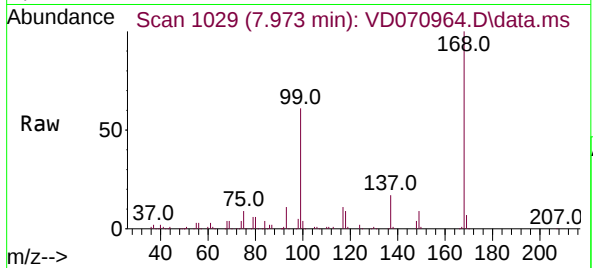




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

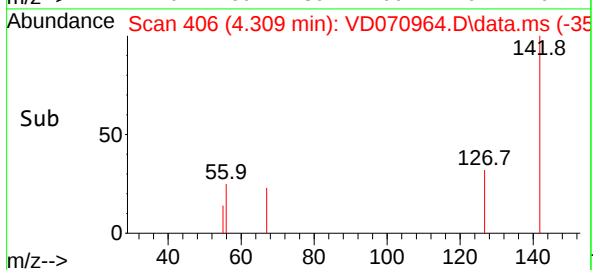
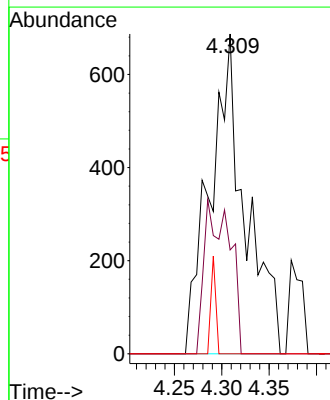
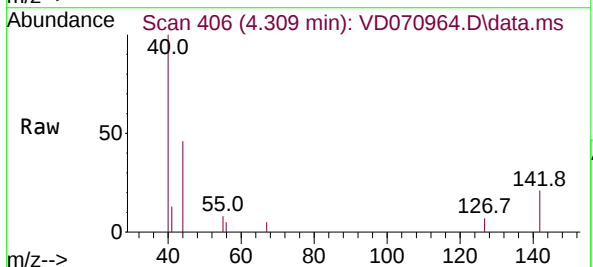
Instrument :
MSVOA_D
ClientSampleId :

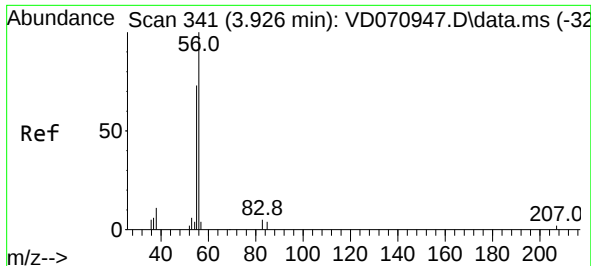
Tgt Ion:168 Resp: 390077
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#10
Methyl Iodide
Concen: 6.367 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion:142 Resp: 1777
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

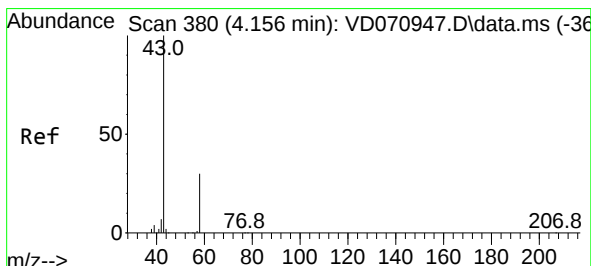
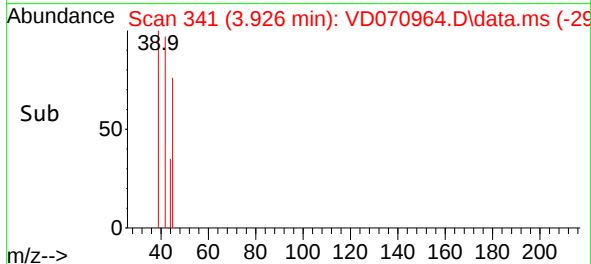
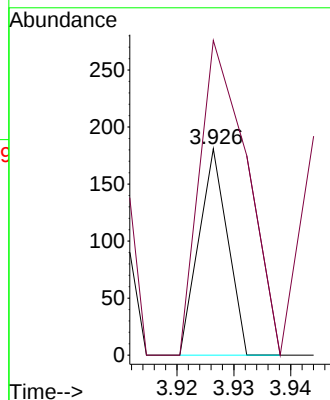
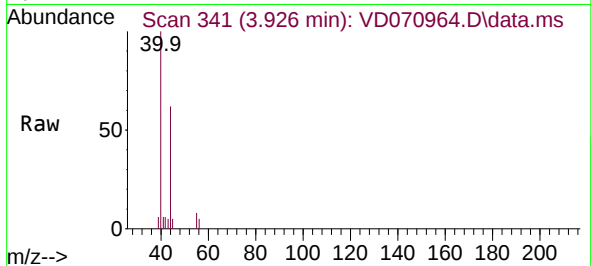




#13
Acrolein
Concen: Below Cal
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

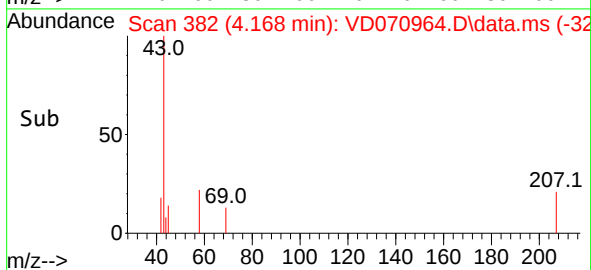
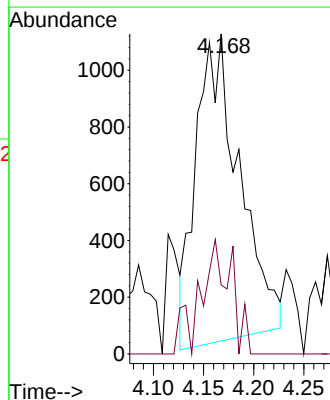
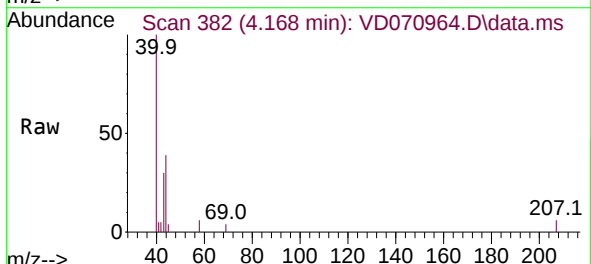
Instrument :
MSVOA_D
ClientSampleId :

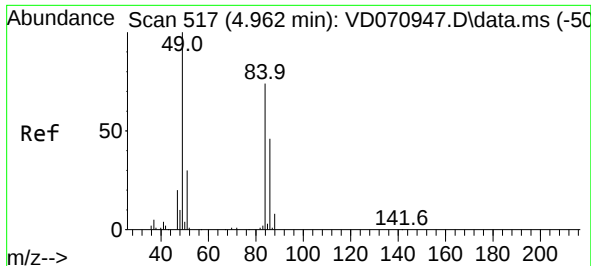
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 248.4 58.6 87.8#



#16
Acetone
Concen: 22.478 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

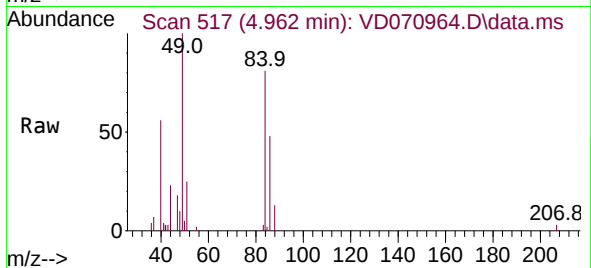
Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
58 25.7 27.8 41.8#



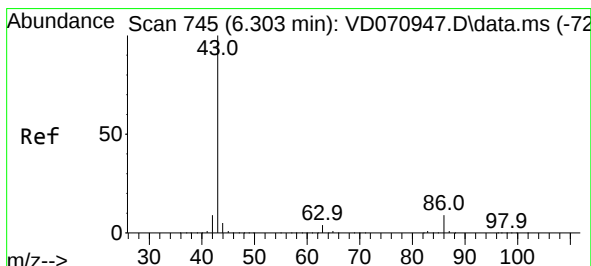
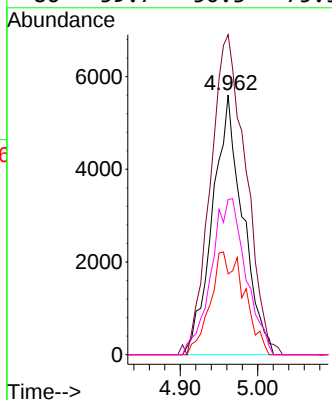
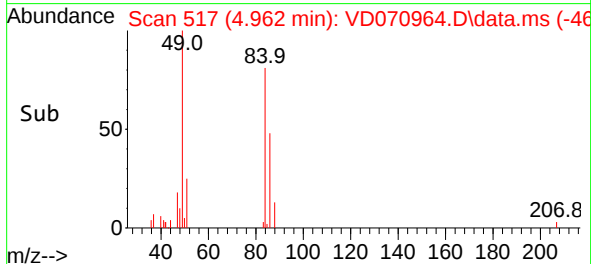


#20
Methylene Chloride
Concen: 2.822 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Instrument :
MSVOA_D
ClientSampleId :

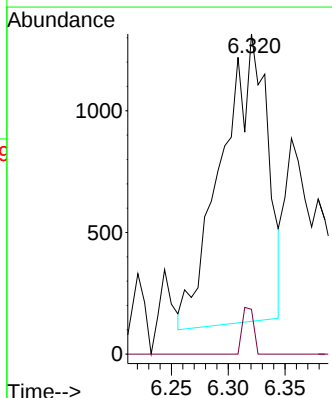
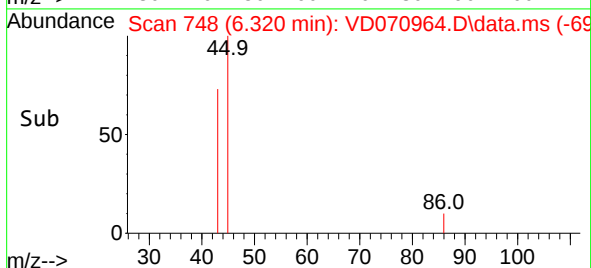
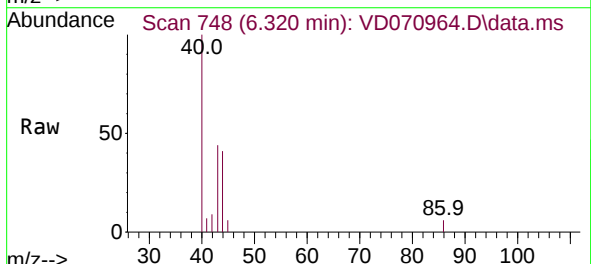


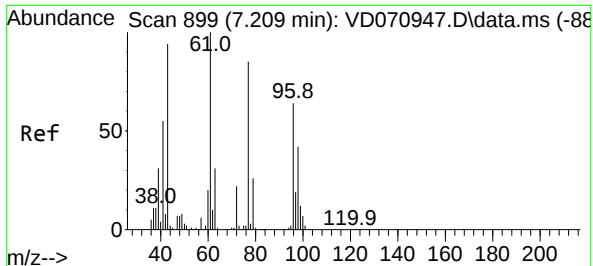
Tgt Ion:	84	Resp:	15216
Ion	Ratio	Lower	Upper
84	100		
49	123.2	95.8	143.6
51	31.1	30.9	46.3
86	59.7	50.3	75.5



#23
Vinyl Acetate
Concen: 21.357 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion:	43	Resp:	3343
Ion	Ratio	Lower	Upper
43	100		
86	16.0	8.2	12.4

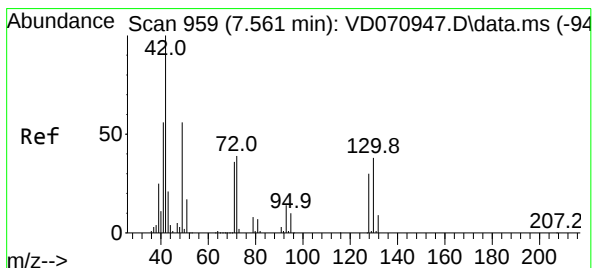
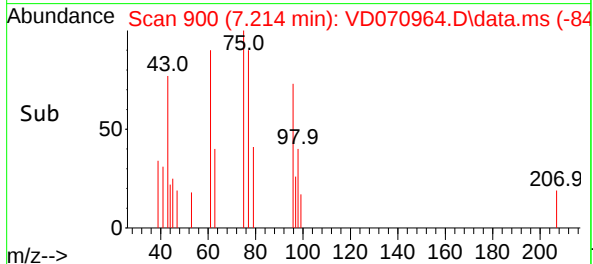
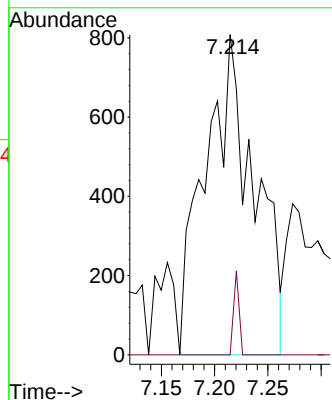
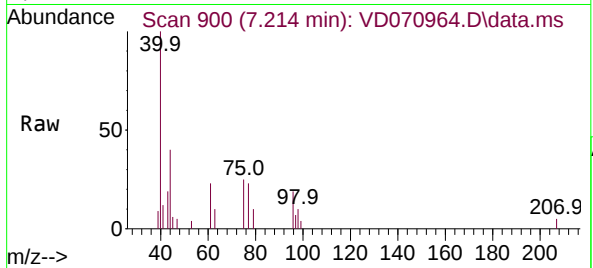




#25
2-Butanone
Concen: 22.016 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

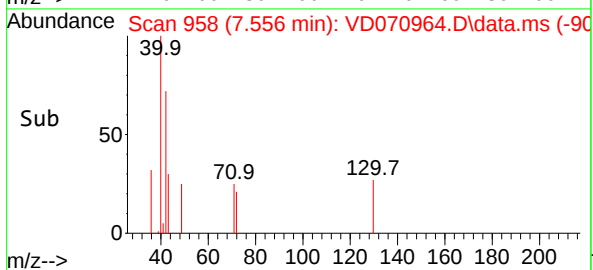
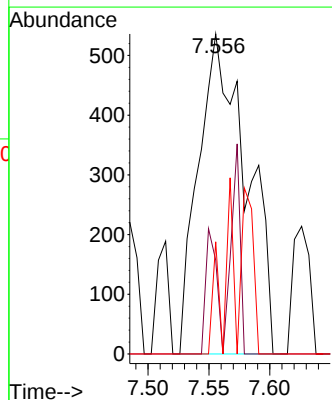
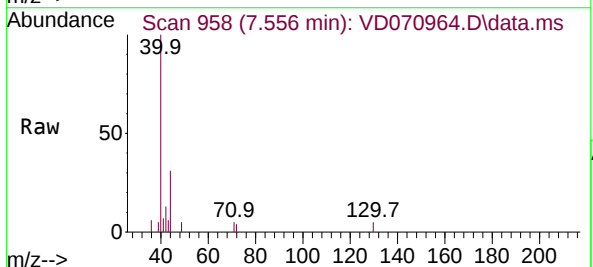
Instrument :
MSVOA_D
ClientSampleId :

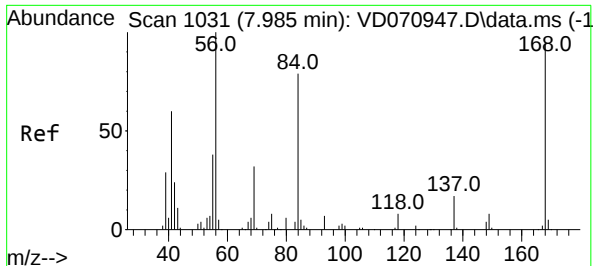
Tgt Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.746 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.005 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion: 42 Resp: 1473
Ion Ratio Lower Upper
42 100
72 8.8 33.7 50.5#
71 11.5 32.7 49.1#

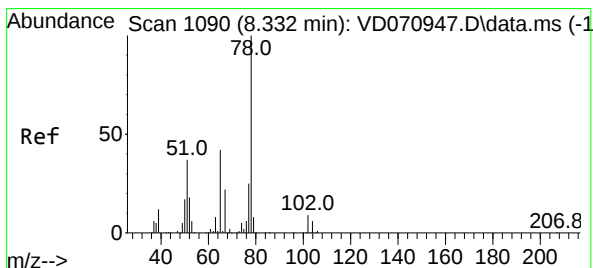
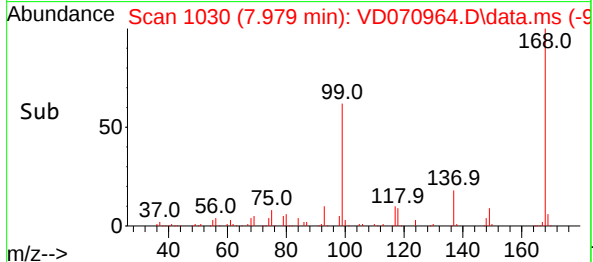
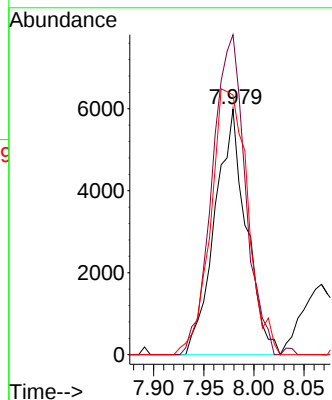
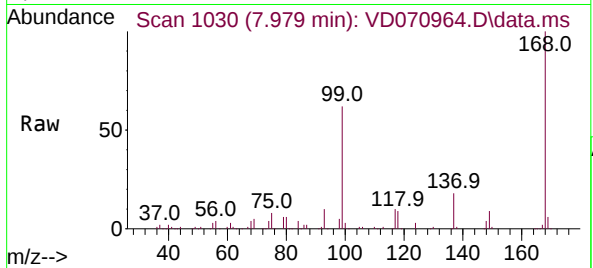




#31
Cyclohexane
Concen: 1.533 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

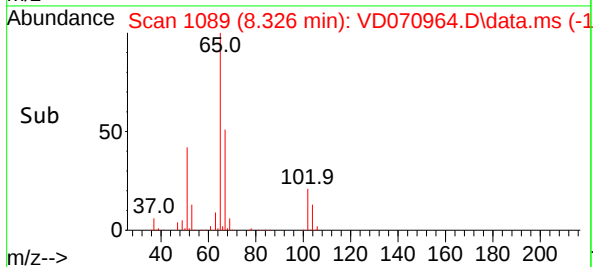
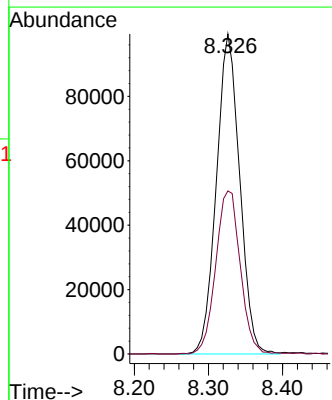
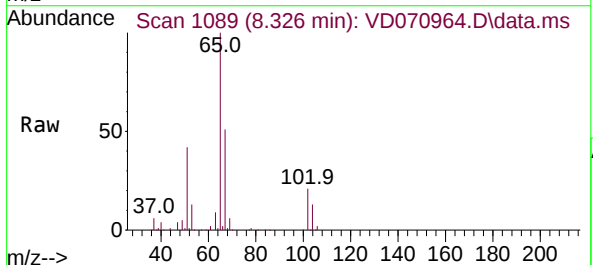
Instrument :
MSVOA_D
ClientSampleId :

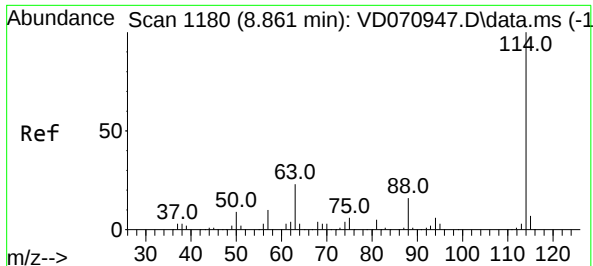
Tgt Ion: 56 Resp: 13090
Ion Ratio Lower Upper
56 100
69 130.3 25.9 38.9#
84 105.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 52.250 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion: 65 Resp: 217002
Ion Ratio Lower Upper
65 100
67 53.7 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: VD070964.D

Acq: 10 Nov 2021 10:48

Instrument :

MSVOA_D

ClientSampleId :

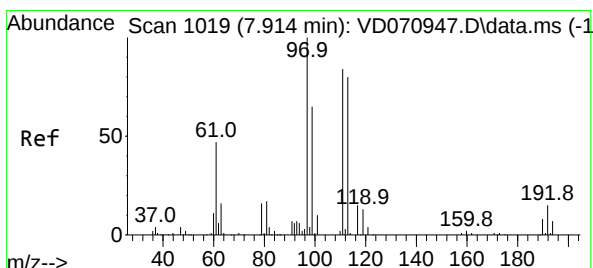
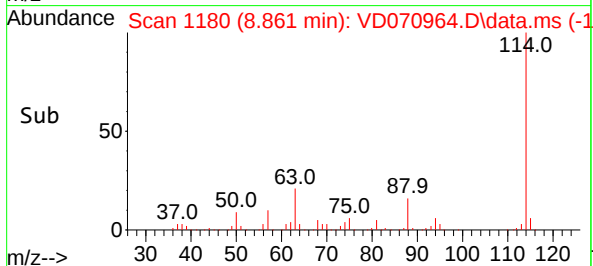
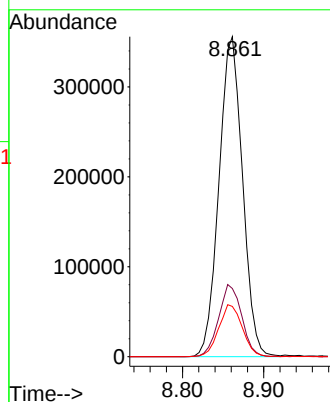
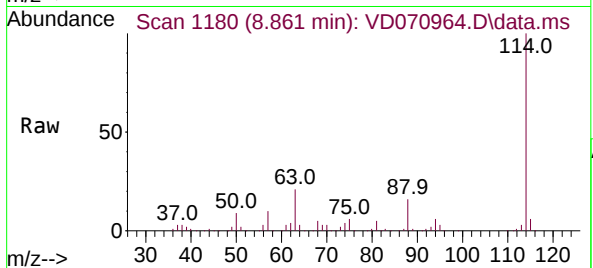
Tgt Ion:114 Resp: 718008

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.541 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD070964.D

Acq: 10 Nov 2021 10:48

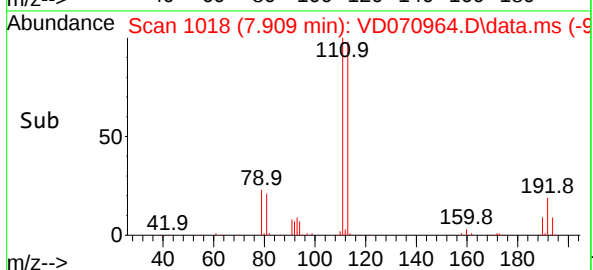
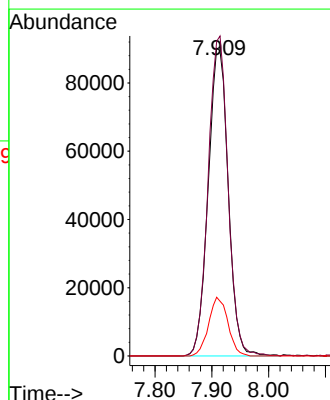
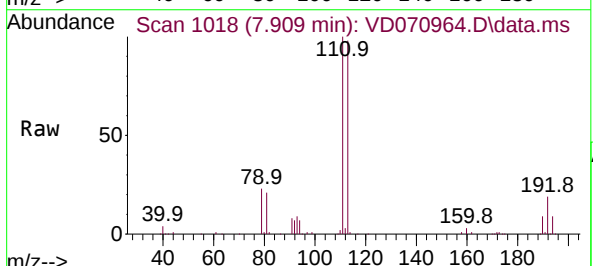
Tgt Ion:113 Resp: 220976

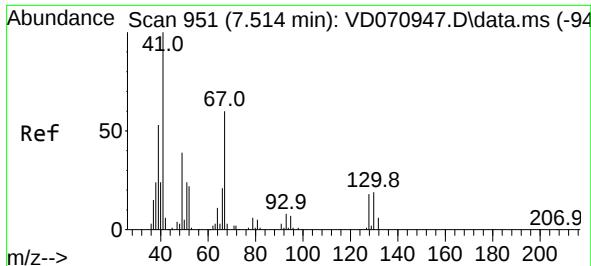
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

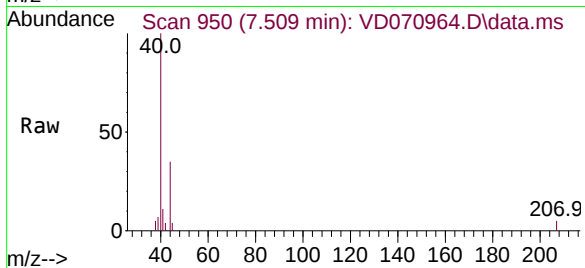
192 18.4 15.2 22.8



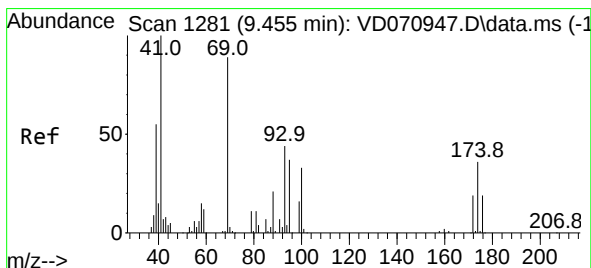
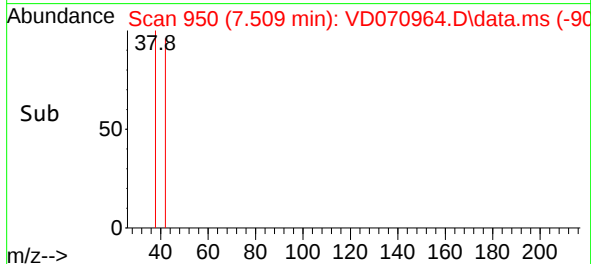
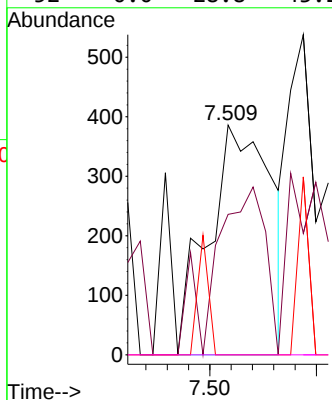


#41
Methacrylonitrile
Concen: 3.847 ug/l
RT: 7.509 min Scan# 91
Delta R.T. -0.005 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Instrument :
MSVOA_D
ClientSampleId :

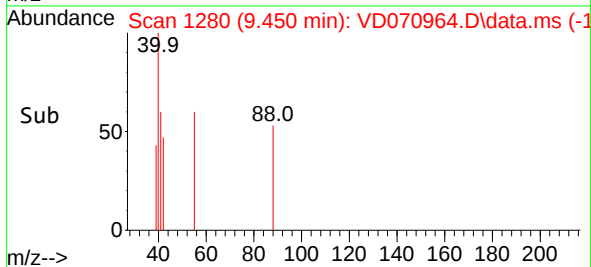
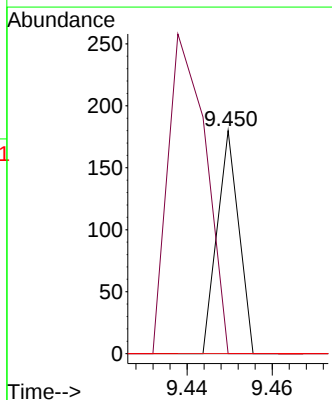
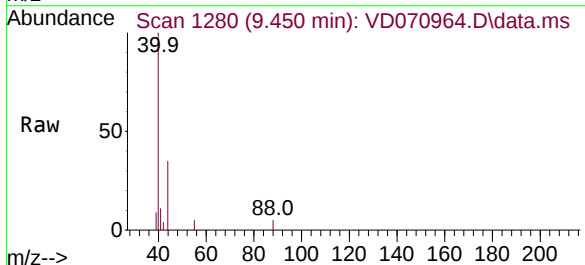


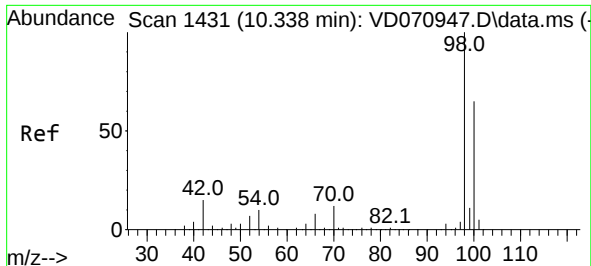
Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.9	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#49
1,4-Dioxane
Concen: 2.377 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.005 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion	Ratio	Lower	Upper
88	100		
43	246.9	28.9	43.3#
58	0.0	56.3	84.5#

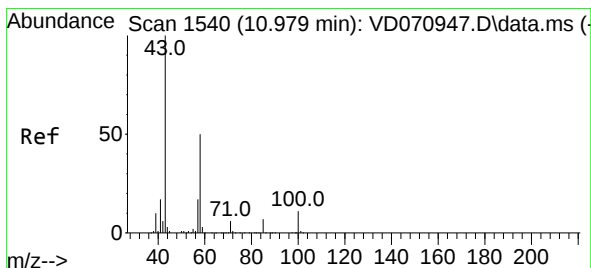
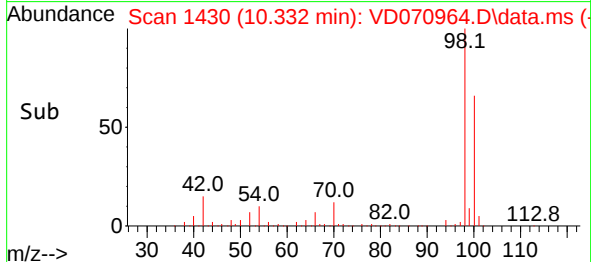
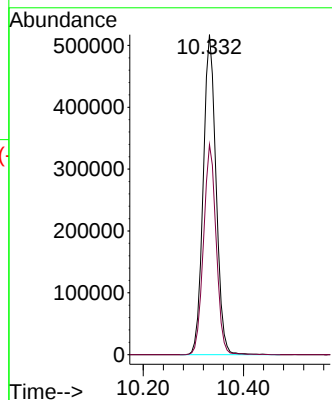
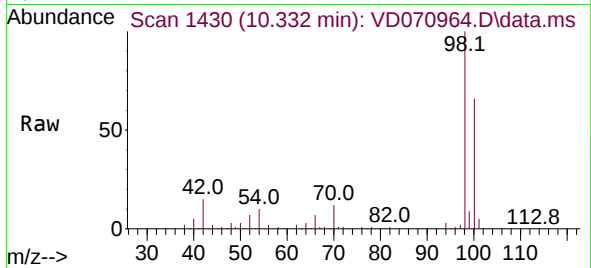




#50
Toluene-d8
Concen: 57.823 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

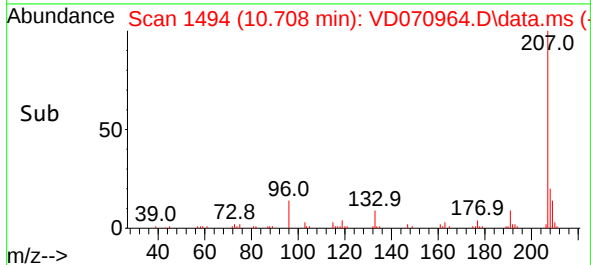
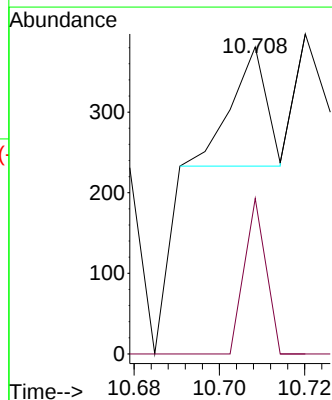
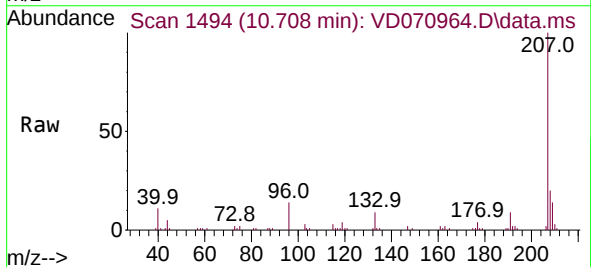
Instrument :
MSVOA_D
ClientSampleId :

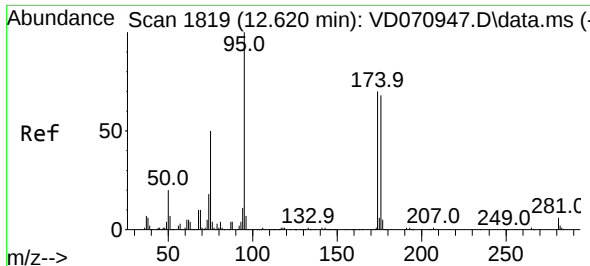
Tgt Ion: 98 Resp: 917476
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#59
2-Hexanone
Concen: 15.969 ug/l
RT: 10.708 min Scan# 1494
Delta R.T. -0.271 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 80.0 28.7 86.1

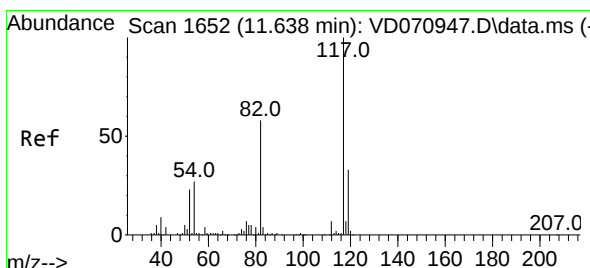
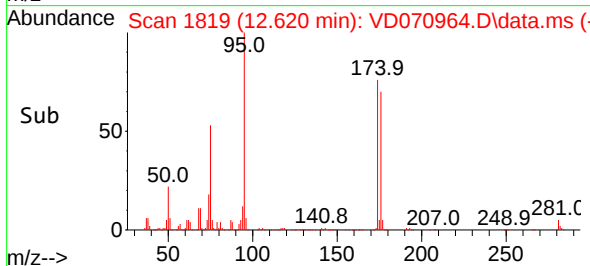
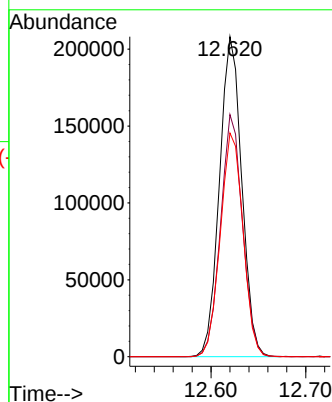
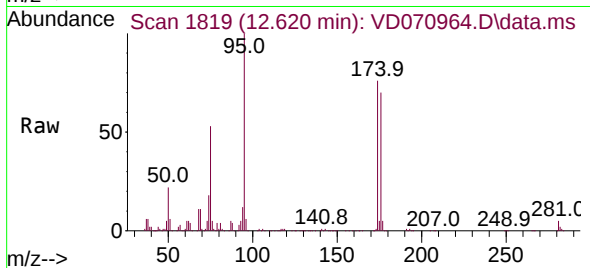




#62
4-Bromofluorobenzene
Concen: 59.494 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

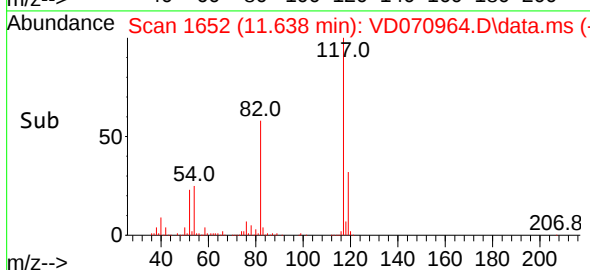
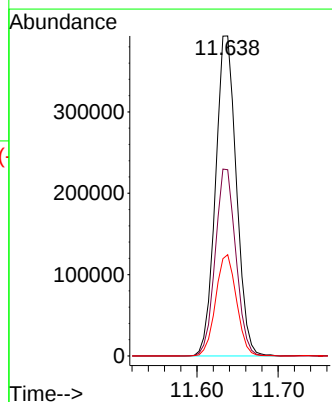
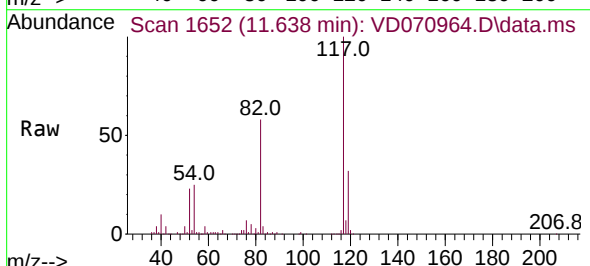
Instrument :
MSVOA_D
ClientSampleId :

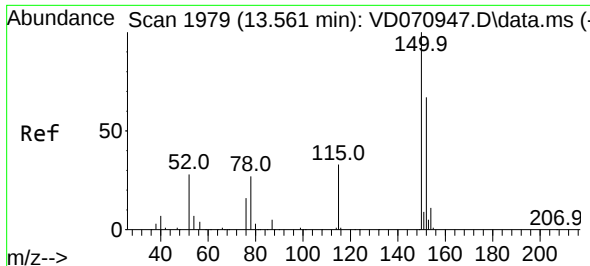
Tgt Ion: 95 Resp: 339890
Ion Ratio Lower Upper
95 100
174 74.6 0.0 159.4
176 71.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070964.D
Acq: 10 Nov 2021 10:48

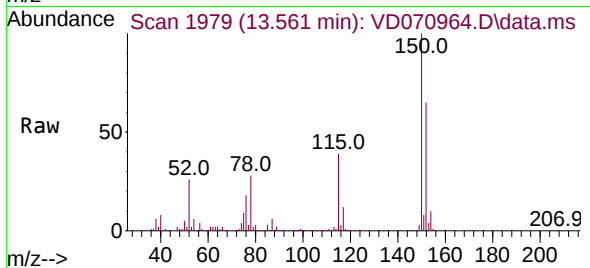
Tgt Ion: 117 Resp: 702390
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 31.7 26.2 39.4



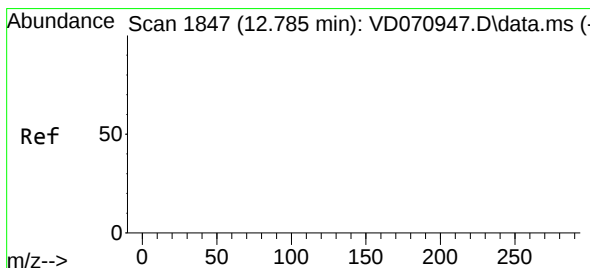
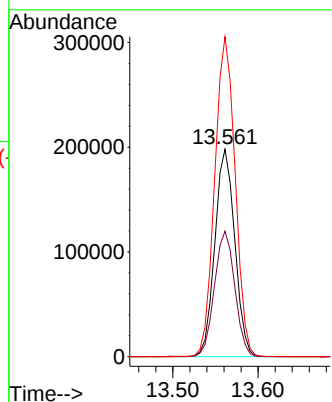
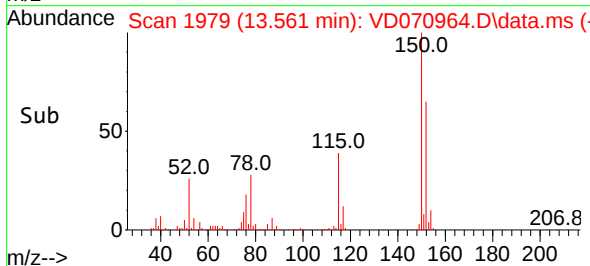


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD070964.D
 Acq: 10 Nov 2021 10:48

Instrument :
 MSVOA_D
 ClientSampleId :

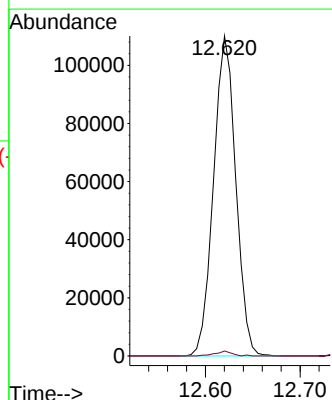
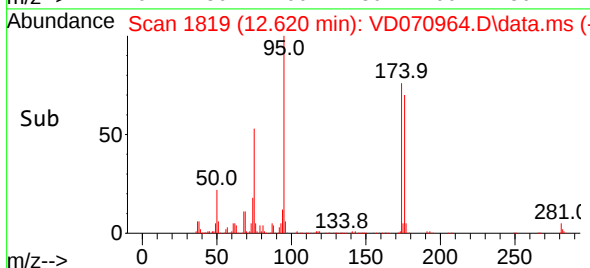
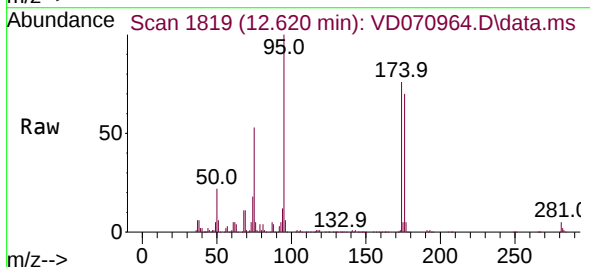


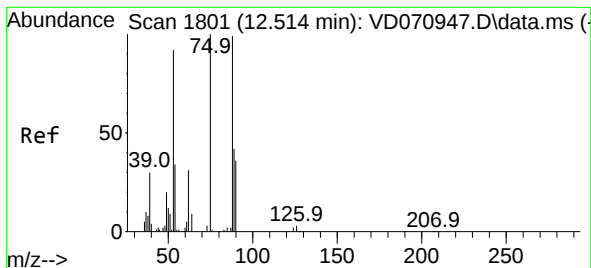
Tgt Ion:152 Resp: 321630
 Ion Ratio Lower Upper
 152 100
 115 61.6 29.8 89.3
 150 158.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 65.481 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD070964.D
 Acq: 10 Nov 2021 10:48

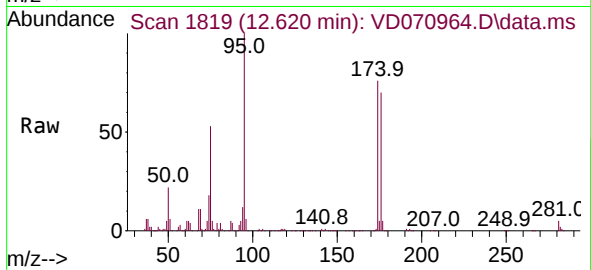
Tgt Ion: 75 Resp: 179901
 Ion Ratio Lower Upper
 75 100
 77 1.2 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.029 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070964.D
 Acq: 10 Nov 2021 10:48

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 179901
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

