

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074369.D
 Acq On : 20 Sep 2022 16:51
 Operator : VA/SY
 Sample : N4668-02
 Misc : 6.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D22007-17.5

Quant Time: Sep 21 02:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

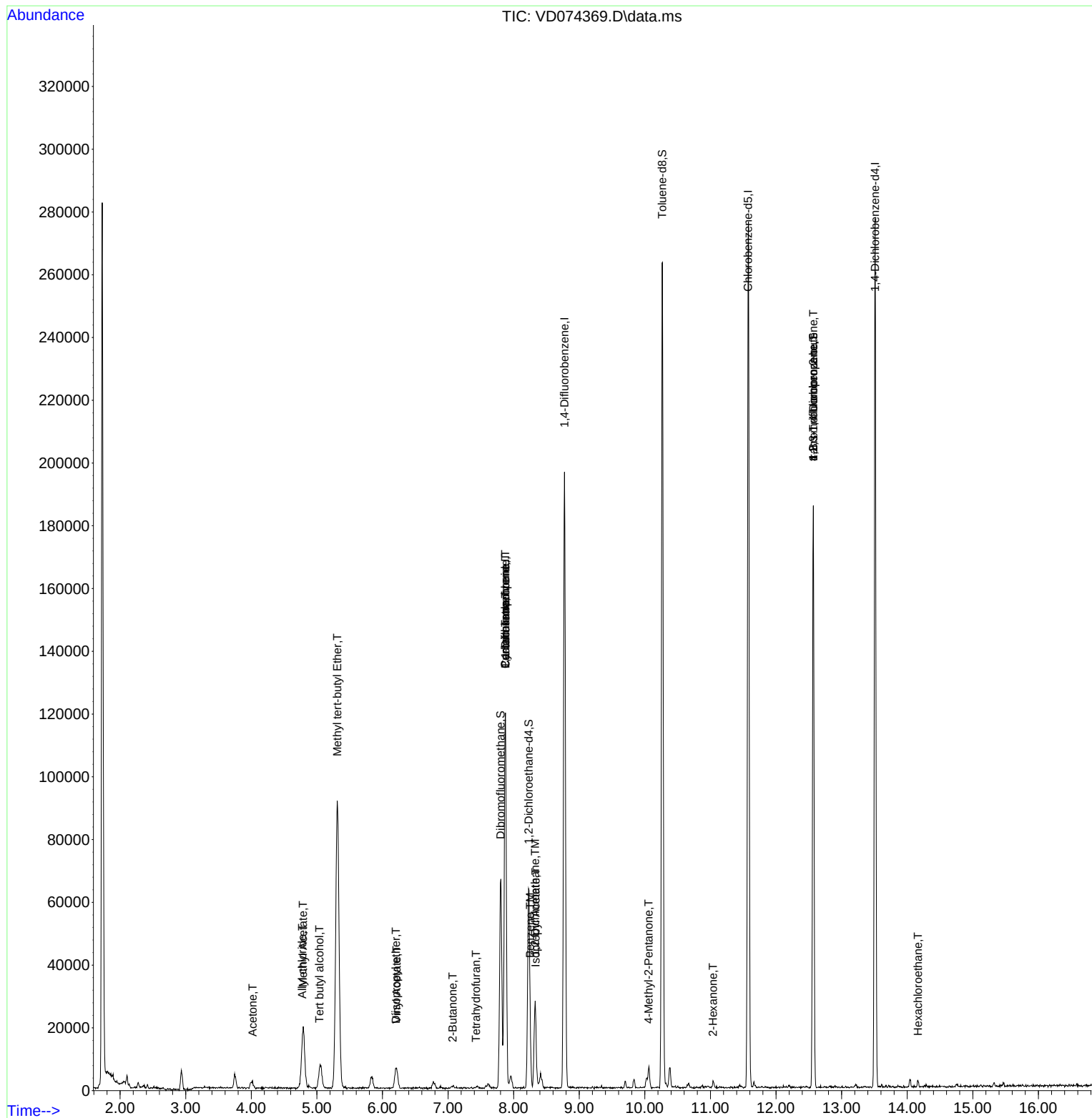
Internal Standards						
1) Pentafluorobenzene	7.875	168	94418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	175408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	161305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46983	51.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.180%			
35) Dibromofluoromethane	7.799	113	48920	42.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.700%			
50) Toluene-d8	10.263	98	186642	46.822	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.569	95	55694	40.095	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.040	59	14985	241.112	ug/l #	74
14) Allyl chloride	4.775	41	3343	2.281	ug/l #	46
16) Acetone	4.022	43	2722	13.138	ug/l #	81
18) Methyl Acetate	4.787	43	7054	11.402	ug/l #	51
19) Methyl tert-butyl Ether	5.310	73	159626	73.621	ug/l	98
20) Methylene Chloride	4.793	84	11162	Below Cal	#	83
22) Diisopropyl ether	6.205	45	8122	2.632	ug/l	98
23) Vinyl Acetate	6.216	43	4147	16.723	ug/l #	71
25) 2-Butanone	7.069	43	483	1.565	ug/l #	48
29) Tetrahydrofuran	7.428	42	420	2.375	ug/l #	45
31) Cyclohexane	7.875	56	2172	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	7060	4.004	ug/l #	50
38) Carbon Tetrachloride	7.875	117	9352	5.984	ug/l #	15
40) Benzene	8.251	78	9695	1.961	ug/l	91
42) 1,2-Dichloroethane	8.328	62	2691	2.131	ug/l	86
43) Isopropyl Acetate	8.334	43	5832	4.474	ug/l #	54
51) 4-Methyl-2-Pentanone	10.057	43	1820	2.658	ug/l #	34
59) 2-Hexanone	11.040	43	631	1.317	ug/l	68
76) 1,2,3-Trichloropropane	12.569	75	29508	43.466	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	29508	108.937	ug/l #	100
90) Hexachloroethane	14.163	117	1756	1.833	ug/l #	11

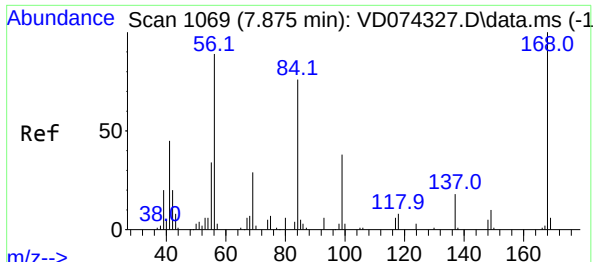
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
D22007-17.5

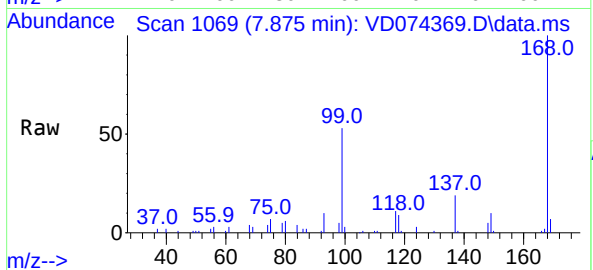
Quant Time: Sep 21 02:25:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 17 04:16:54 2022
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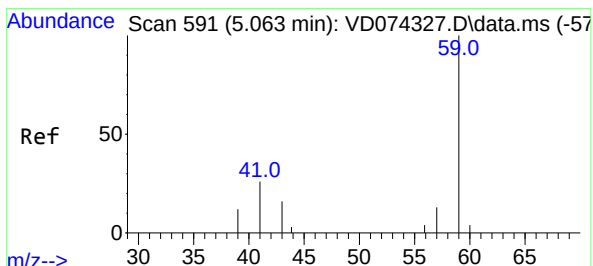
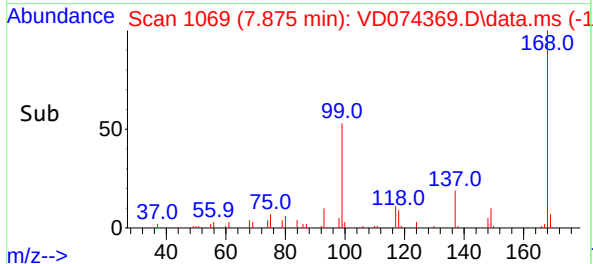
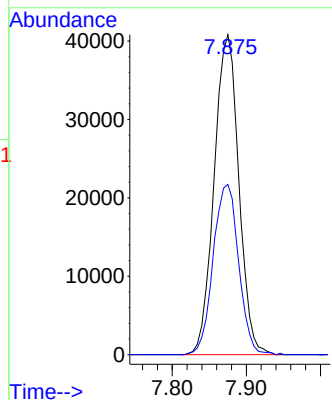


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

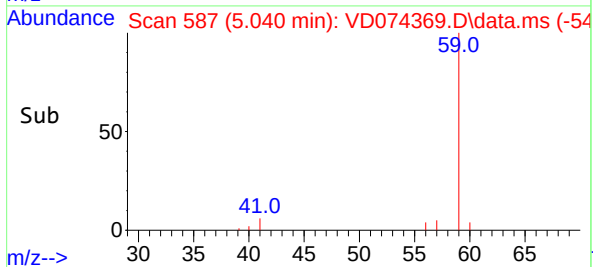
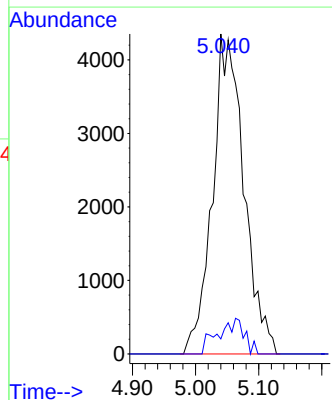
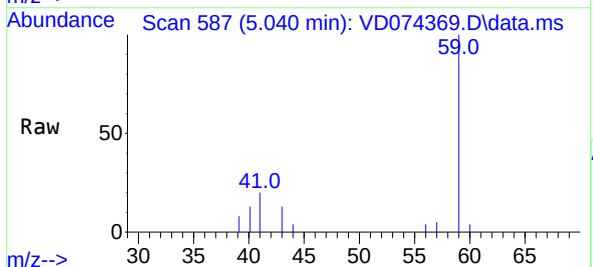


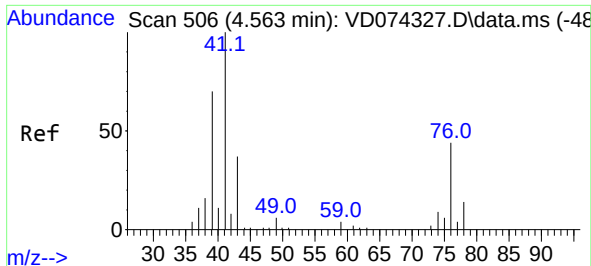
Tgt Ion:168 Resp: 94418
Ion Ratio Lower Upper
168 100
99 53.2 43.0 64.6



#11
Tert butyl alcohol
Concen: 241.112 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.023 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 59 Resp: 14985
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

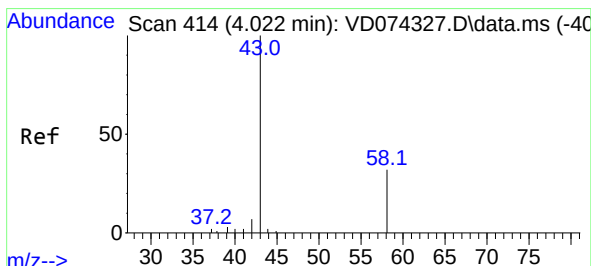
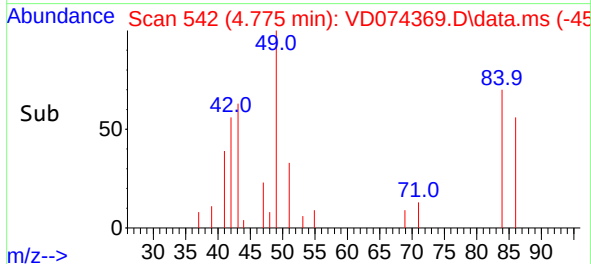
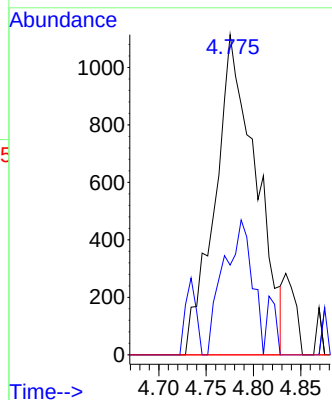
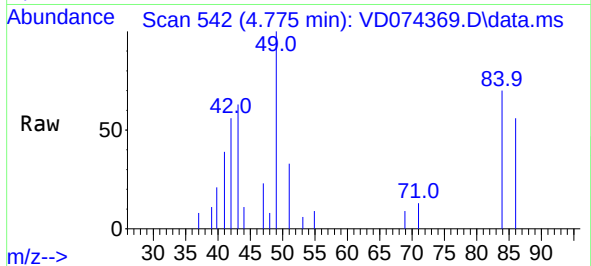




#14
Allyl chloride
Concen: 2.281 ug/l
RT: 4.775 min Scan# 541
Delta R.T. 0.212 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

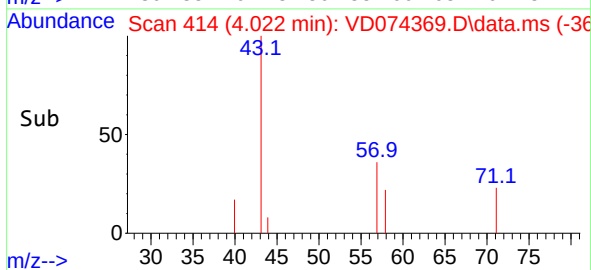
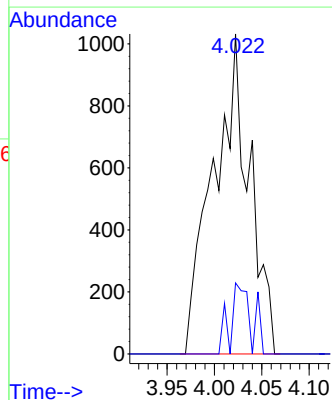
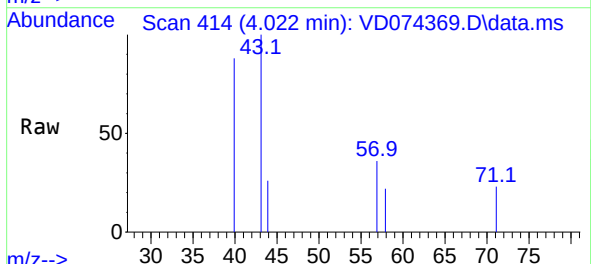
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

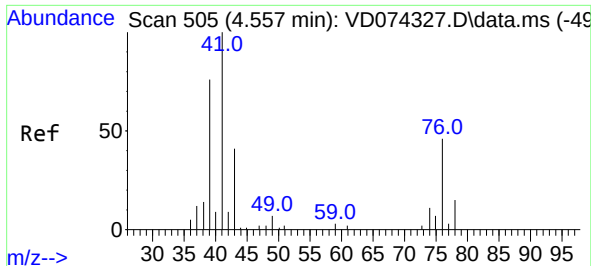
Tgt Ion: 41 Resp: 3343
Ion Ratio Lower Upper
41 100
39 29.5 52.8 79.2#
76 0.0 32.9 49.3#



#16
Acetone
Concen: 13.138 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
58 22.2 26.4 39.6#

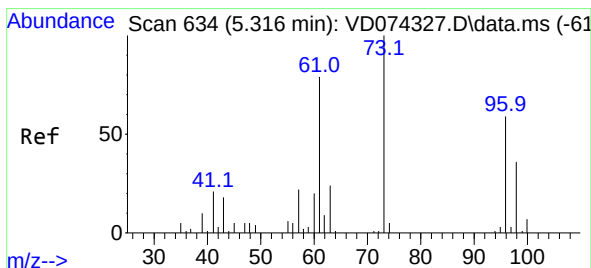
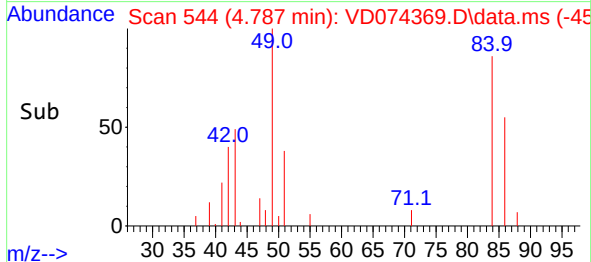
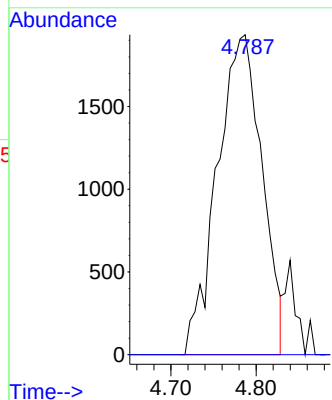
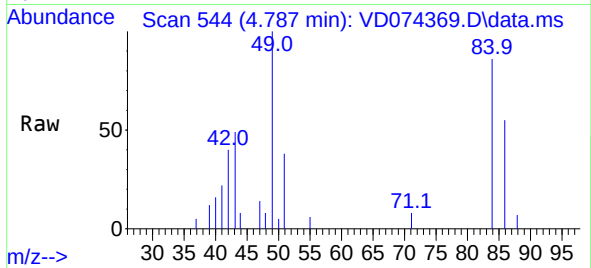




#18
Methyl Acetate
Concen: 11.402 ug/l
RT: 4.787 min Scan# 544
Delta R.T. 0.230 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

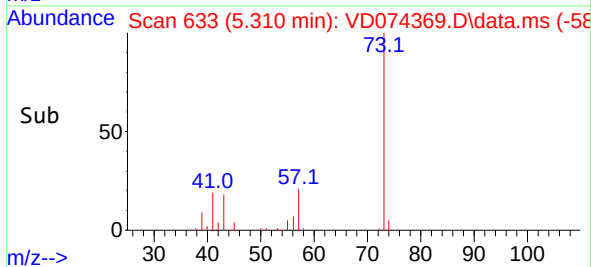
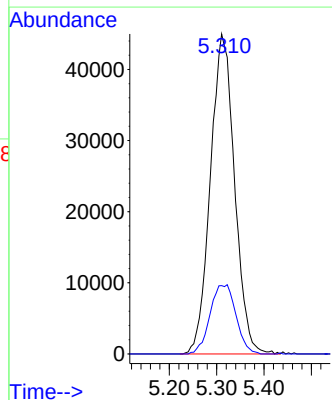
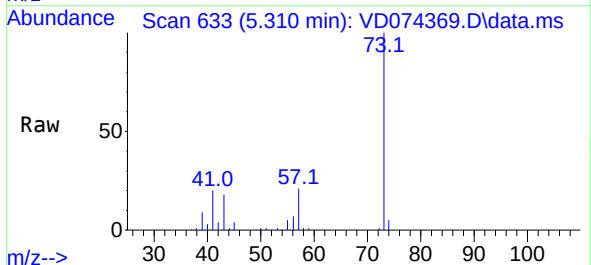
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

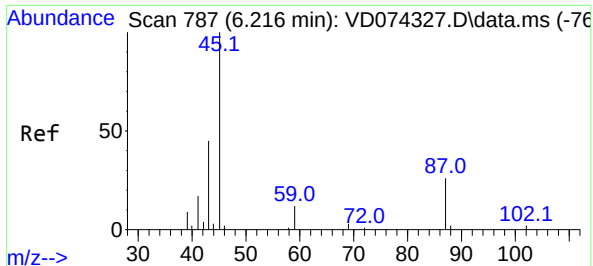
Tgt Ion: 43 Resp: 7054
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#19
Methyl tert-butyl Ether
Concen: 73.621 ug/l
RT: 5.310 min Scan# 633
Delta R.T. -0.006 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 73 Resp: 159626
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.6

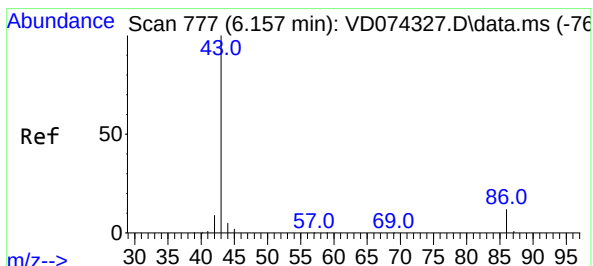
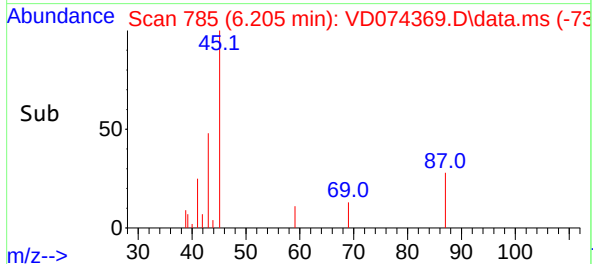
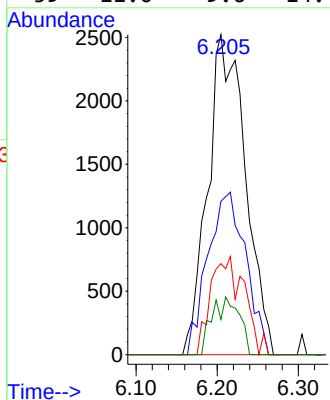
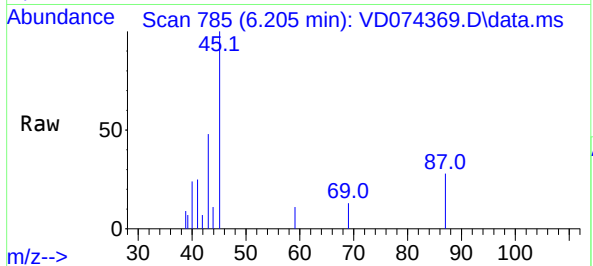




#22
Diisopropyl ether
Concen: 2.632 ug/l
RT: 6.205 min Scan# 785
Delta R.T. -0.011 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

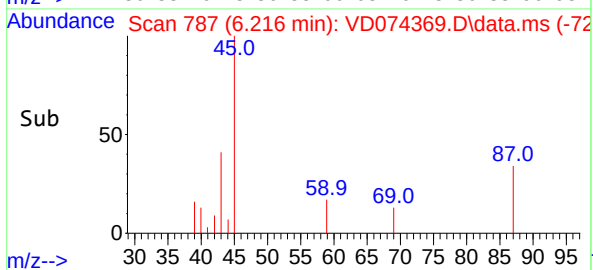
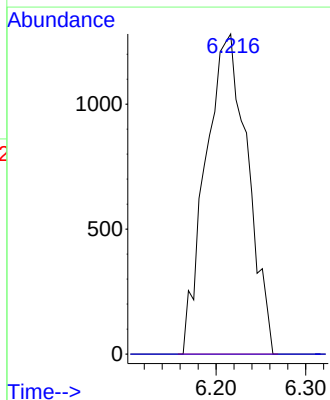
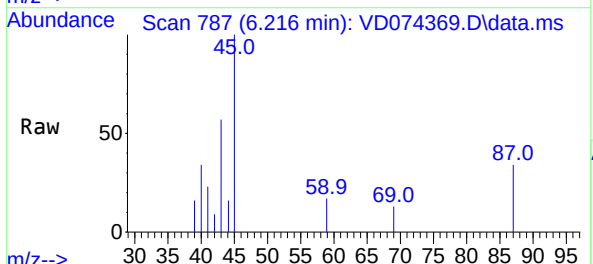
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

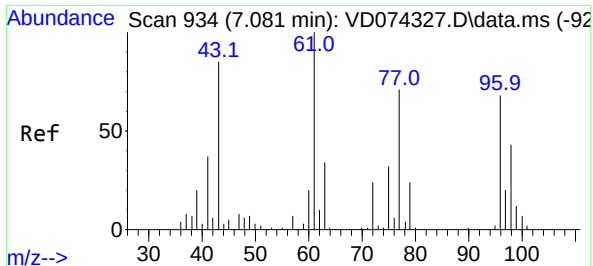
Tgt Ion:	45	Resp:	8122
Ion	Ratio	Lower	Upper
45	100		
43	47.9	38.9	58.3
87	28.4	21.0	31.4
59	11.0	9.6	14.4



#23
Vinyl Acetate
Concen: 16.723 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.059 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion:	43	Resp:	4147
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#





#25

2-Butanone

Concen: 1.565 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

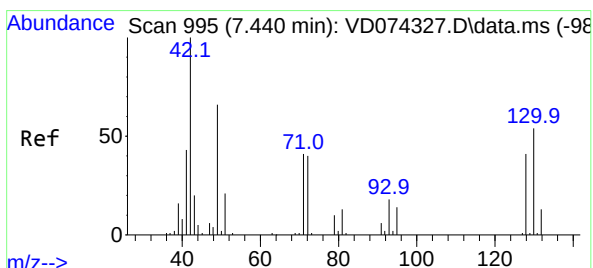
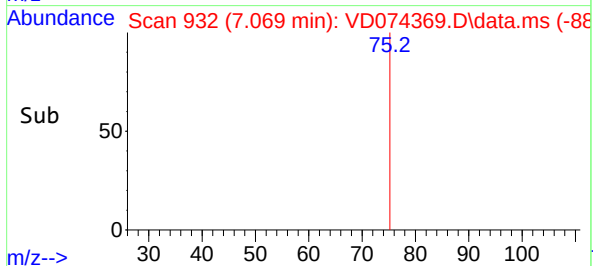
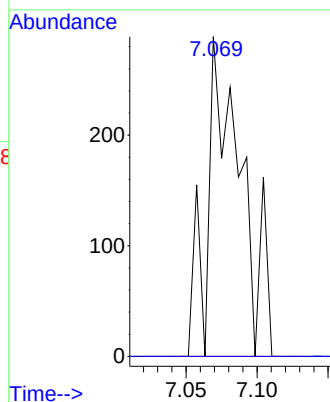
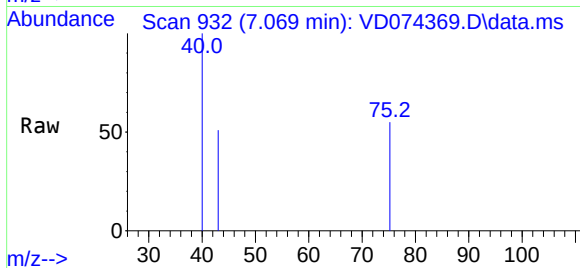
D22007-17.5

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#



#29

Tetrahydrofuran

Concen: 2.375 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.012 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

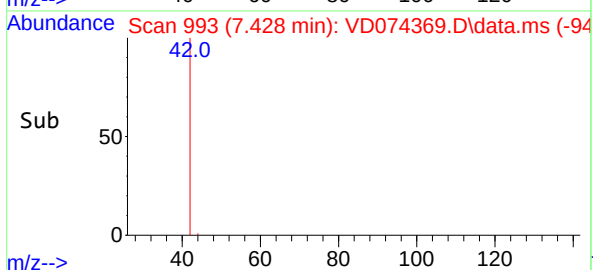
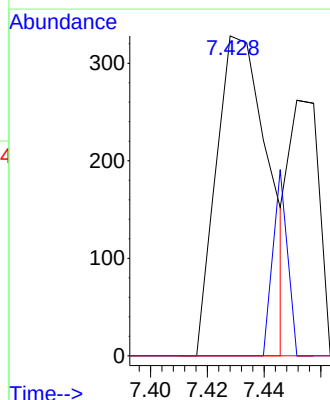
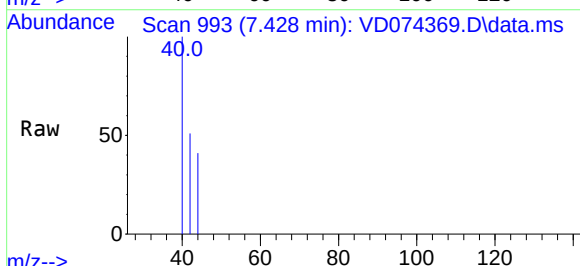
Tgt Ion: 42 Resp: 420

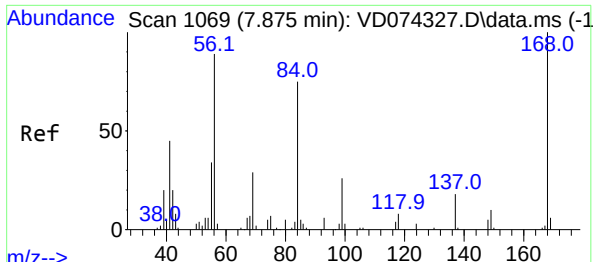
Ion Ratio Lower Upper

42 100

72 16.0 36.1 54.1#

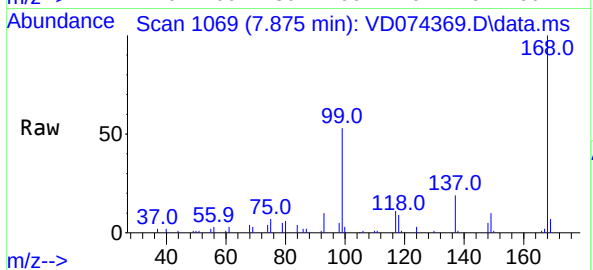
71 0.0 34.1 51.1#



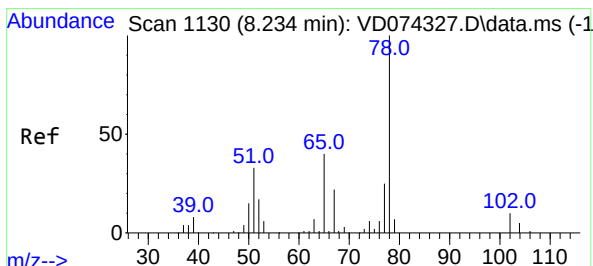
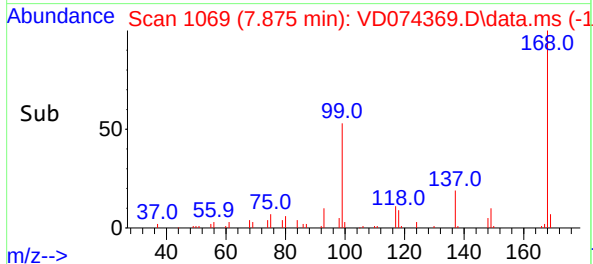
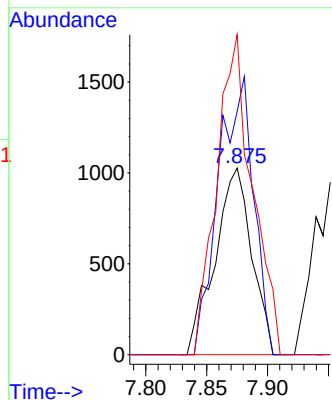


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

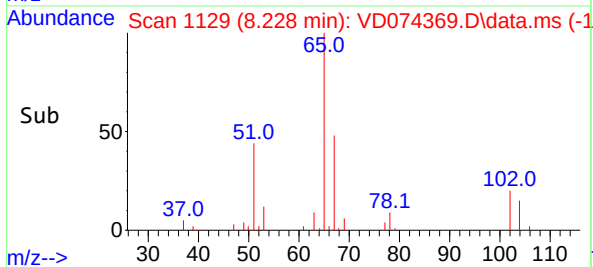
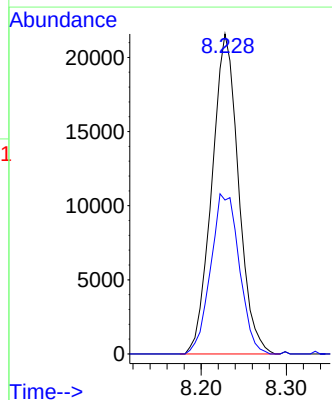
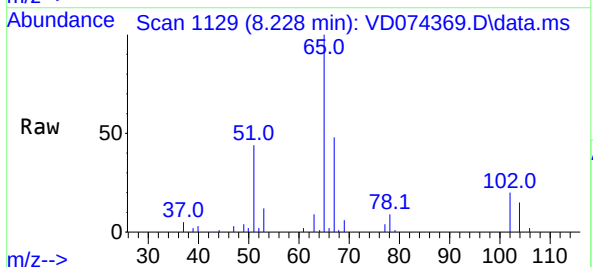


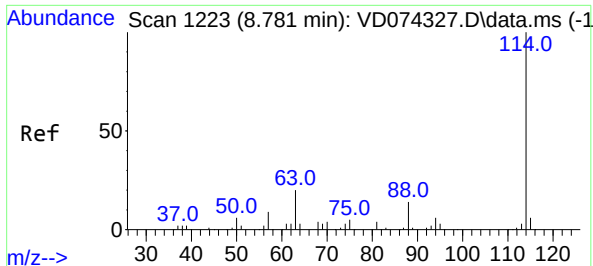
Tgt Ion: 56 Resp: 2172
Ion Ratio Lower Upper
56 100
69 130.3 25.7 38.5#
84 171.5 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.088 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 65 Resp: 46983
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.6

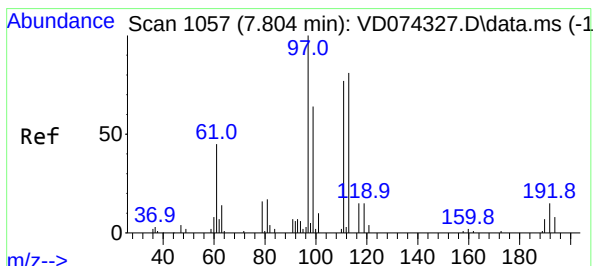
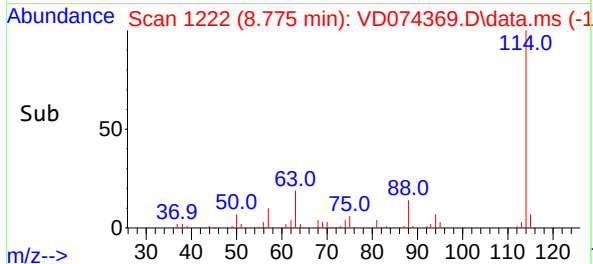
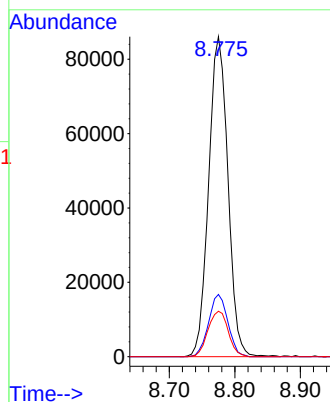
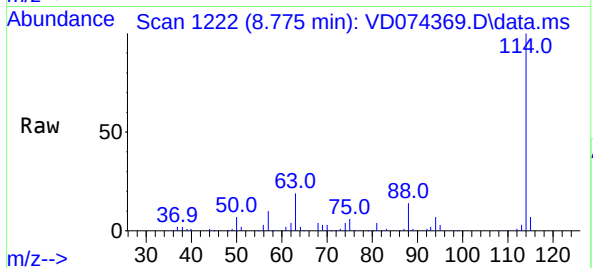




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

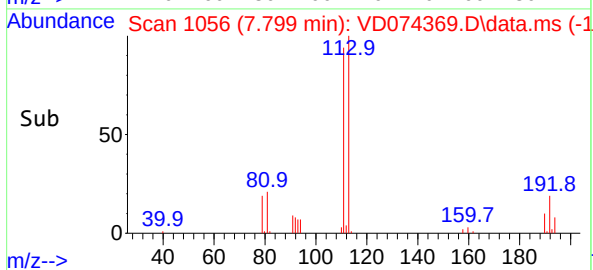
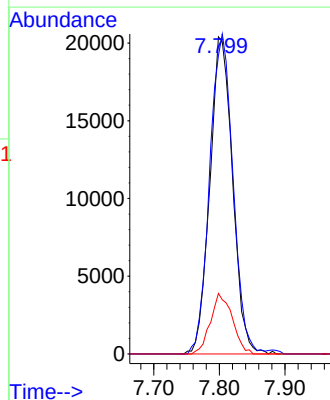
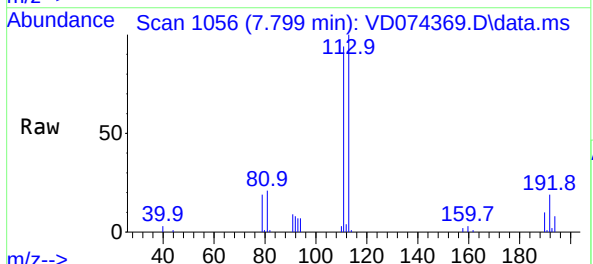
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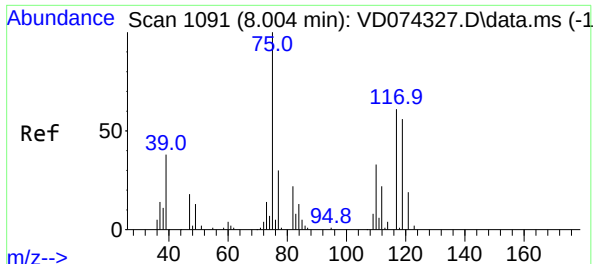
Tgt Ion:114 Resp: 175408
Ion Ratio Lower Upper
114 100
63 19.5 0.0 37.6
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 42.346 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.005 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion:113 Resp: 48920
Ion Ratio Lower Upper
113 100
111 103.8 83.0 124.6
192 18.4 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.004 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

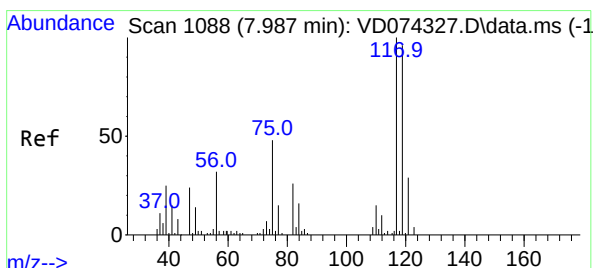
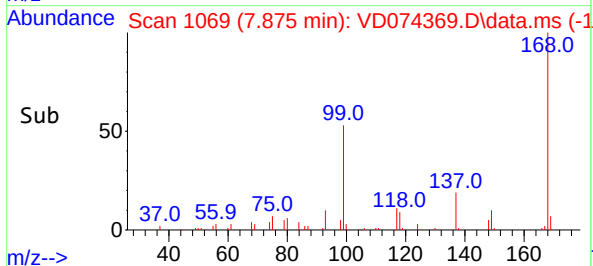
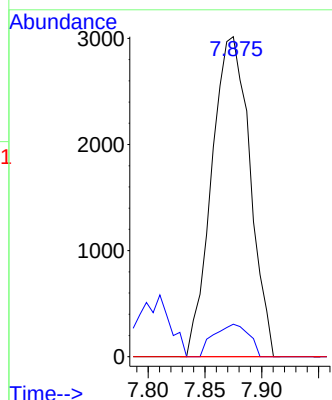
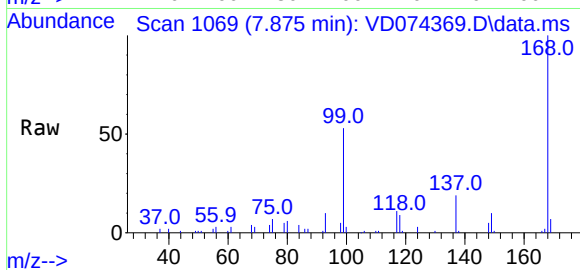
Instrument :

MSVOA_D

ClientSampleId :

D22007-17.5

Tgt Ion: 75	Resp:	7060
Ion Ratio	Lower	Upper
75	100	
110	9.4	17.5 52.5#
77	0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.984 ug/l

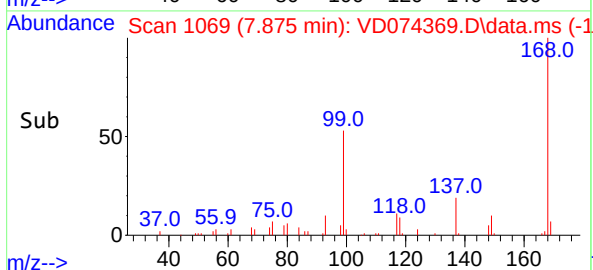
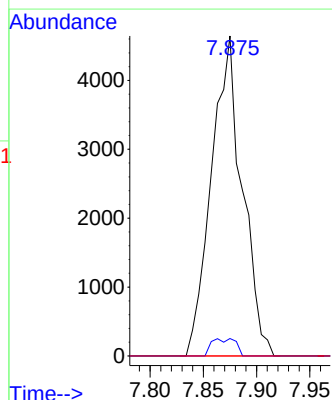
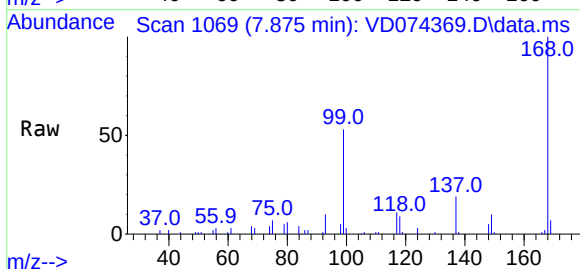
RT: 7.875 min Scan# 1069

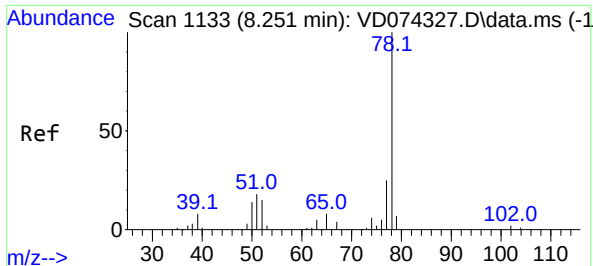
Delta R.T. -0.112 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Tgt Ion: 117	Resp:	9352
Ion Ratio	Lower	Upper
117	100	
119	5.5	78.8 118.2#
121	0.0	23.9 35.9#

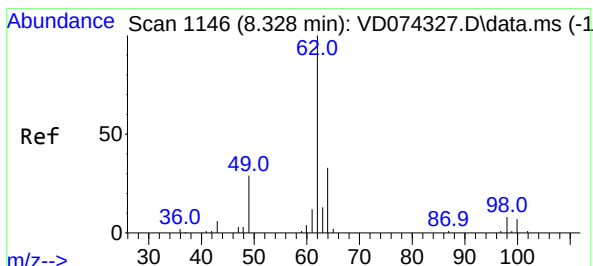
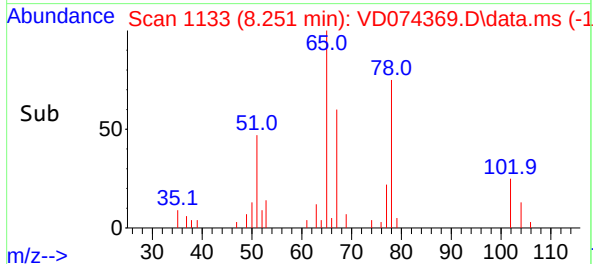
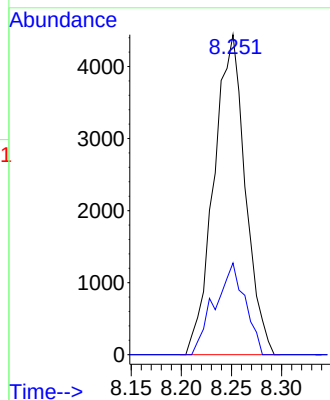
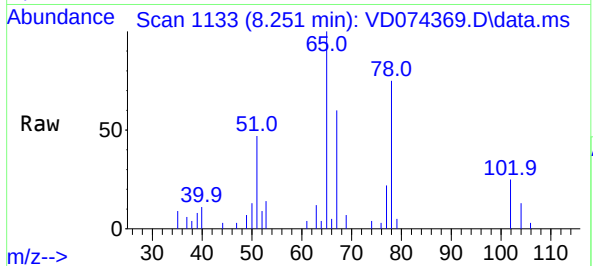




#40
Benzene
Concen: 1.961 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

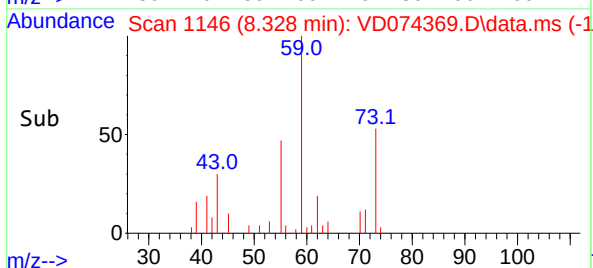
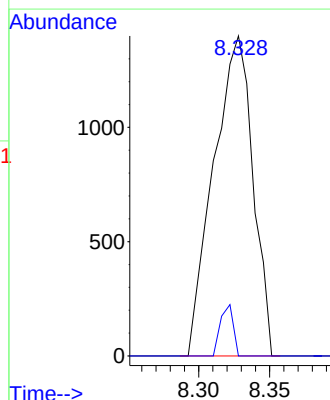
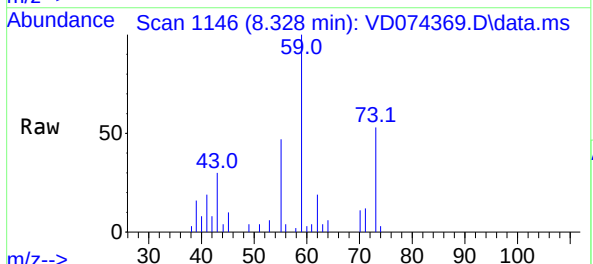
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

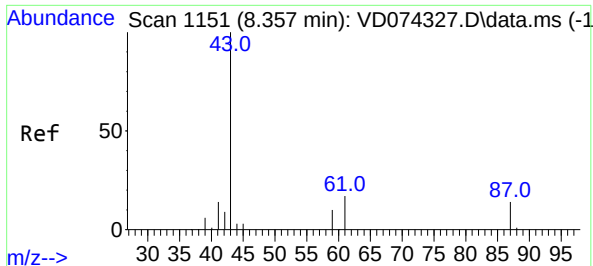
Tgt Ion: 78 Resp: 9695
Ion Ratio Lower Upper
78 100
77 28.6 19.4 29.2



#42
1,2-Dichloroethane
Concen: 2.131 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 62 Resp: 2691
Ion Ratio Lower Upper
62 100
98 5.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 4.474 ug/l

RT: 8.334 min Scan# 1151

Delta R.T. -0.023 min

Lab File: VD074369.D

Acq: 20 Sep 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :

D22007-17.5

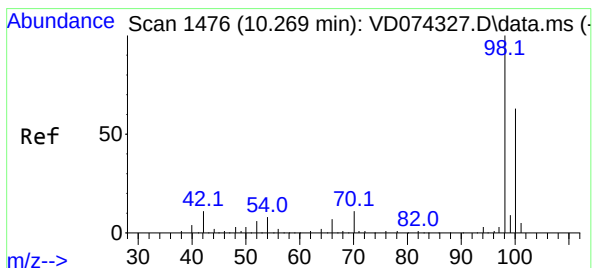
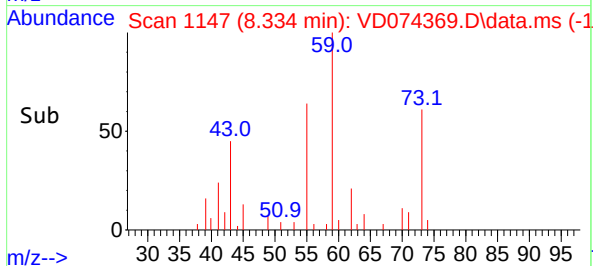
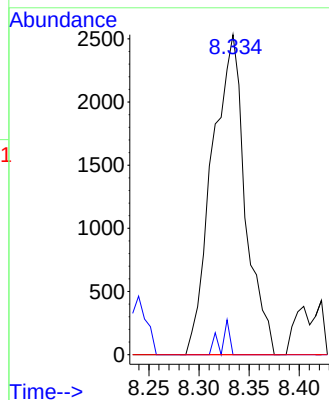
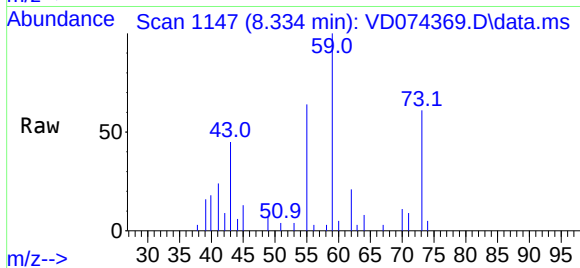
Tgt Ion: 43 Resp: 5832

Ion Ratio Lower Upper

43 100

61 2.7 24.5 36.7#

87 0.0 10.8 16.2#



#50

Toluene-d8

Concen: 46.822 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD074369.D

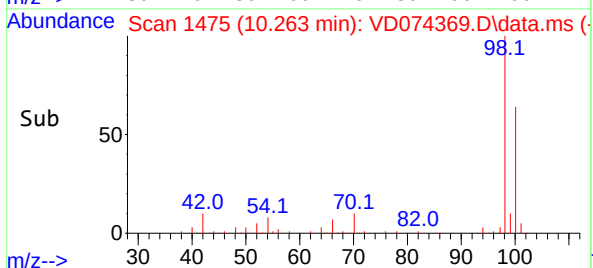
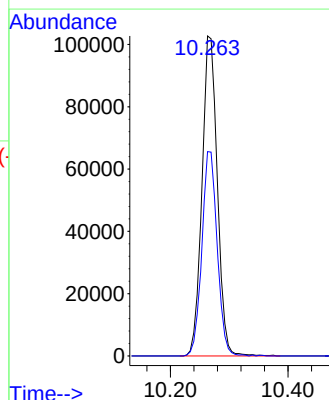
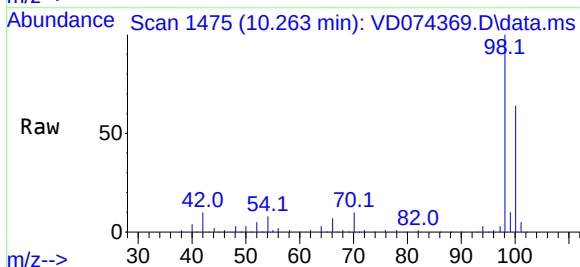
Acq: 20 Sep 2022 16:51

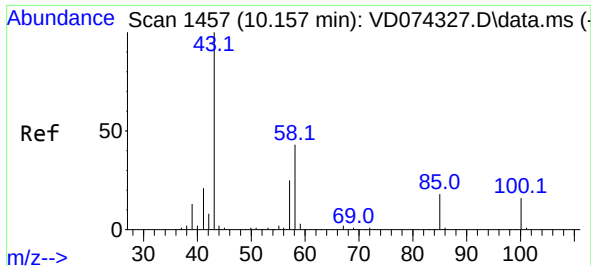
Tgt Ion: 98 Resp: 186642

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8

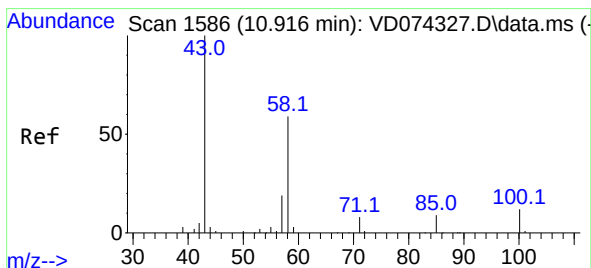
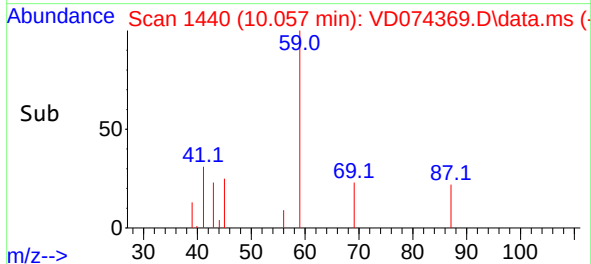
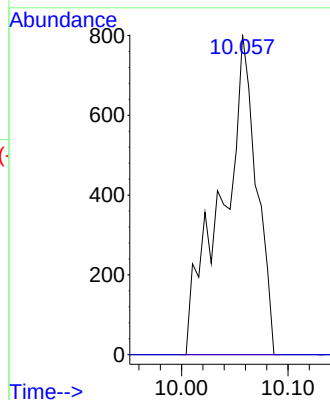
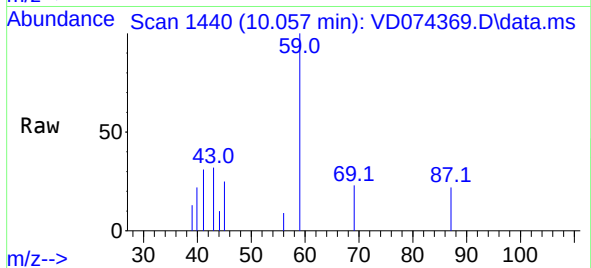




#51
4-Methyl-2-Pentanone
Concen: 2.658 ug/l
RT: 10.057 min Scan# 1457
Delta R.T. -0.100 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

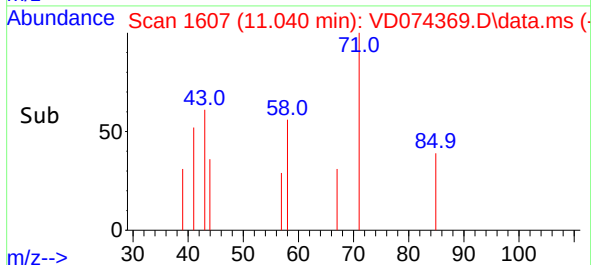
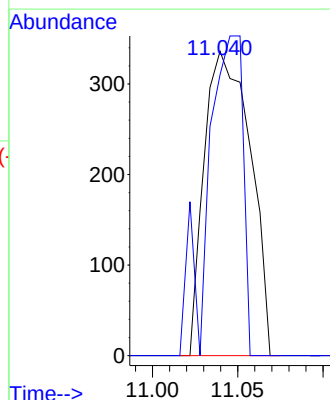
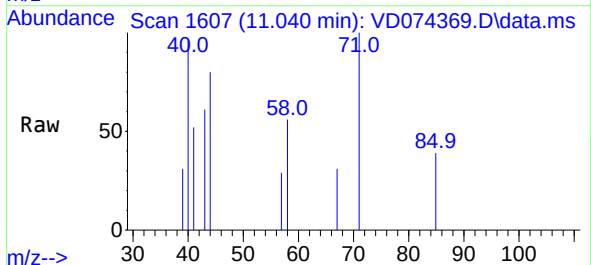
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

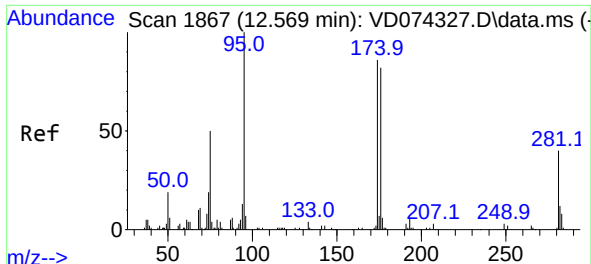
Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
58 0.0 33.3 49.9#



#59
2-Hexanone
Concen: 1.317 ug/l
RT: 11.040 min Scan# 1607
Delta R.T. 0.124 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 80.5 28.6 85.8

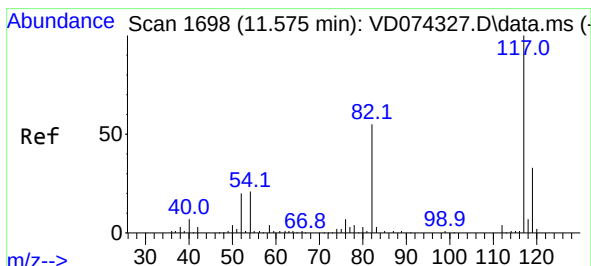
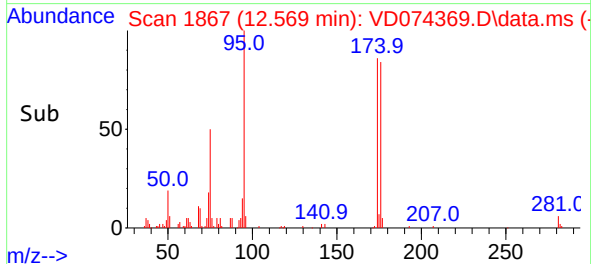
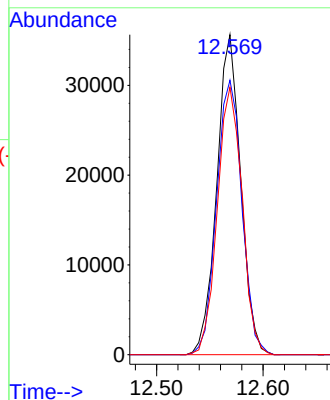
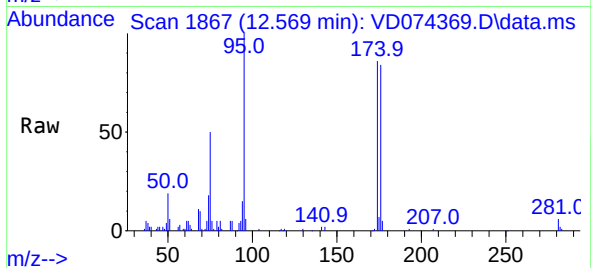




#62
4-Bromofluorobenzene
Concen: 40.095 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

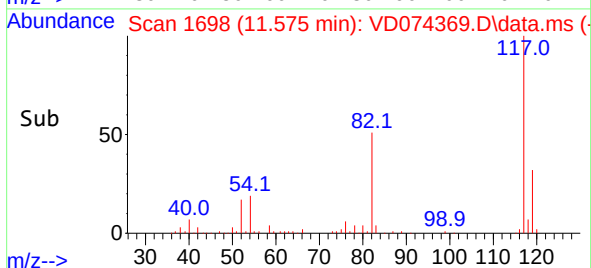
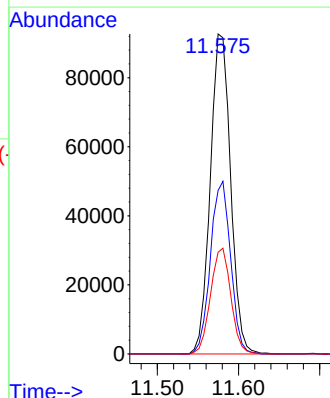
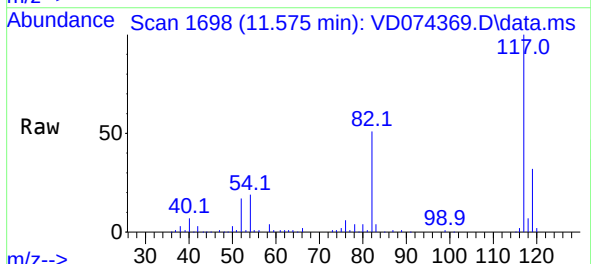
Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

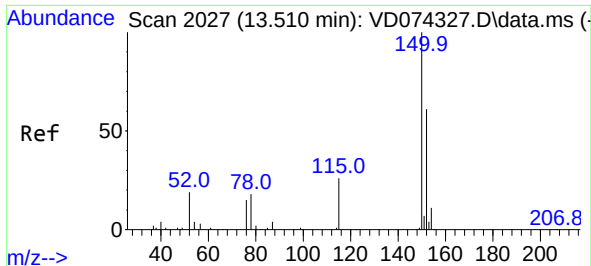
Tgt Ion:	95	Resp:	55694
Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.2
176	86.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

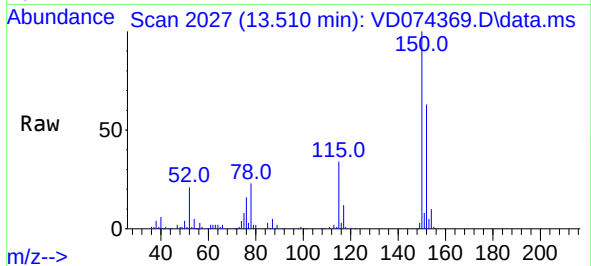
Tgt Ion:	117	Resp:	161305
Ion	Ratio	Lower	Upper
117	100		
82	51.1	44.2	66.2
119	31.8	25.4	38.0



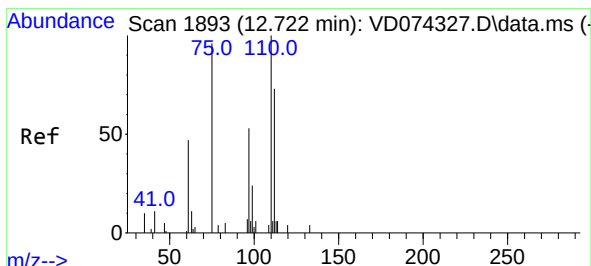
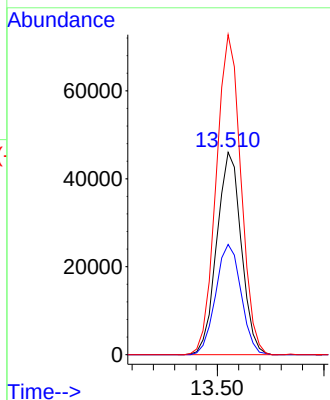
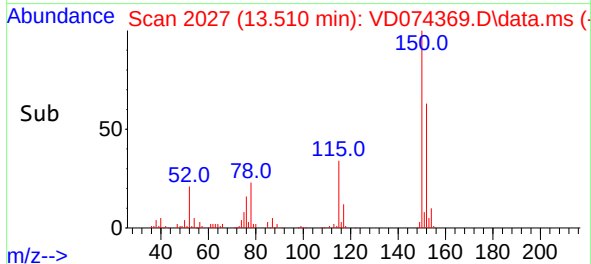


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

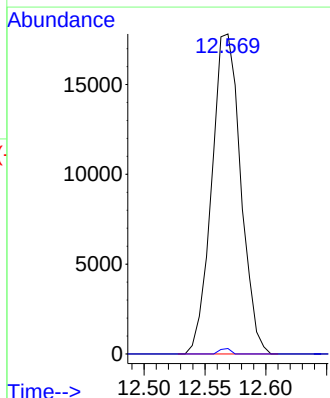
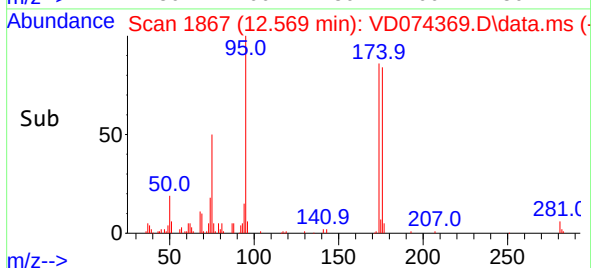
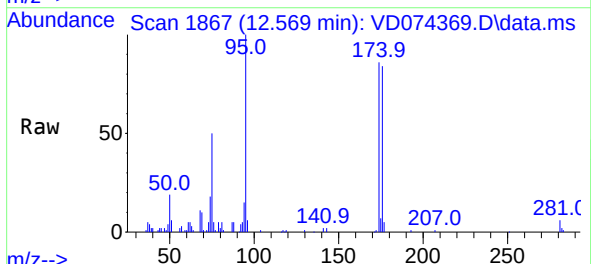


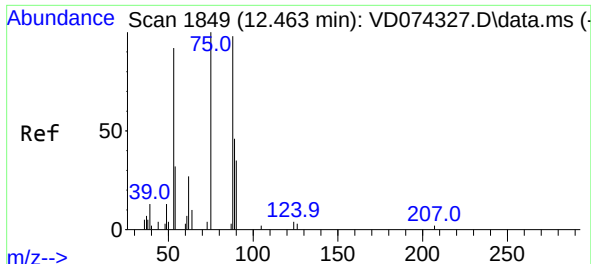
Tgt Ion:152 Resp: 73374
Ion Ratio Lower Upper
152 100
115 56.4 28.4 85.2
150 159.5 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 43.466 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 75 Resp: 29508
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

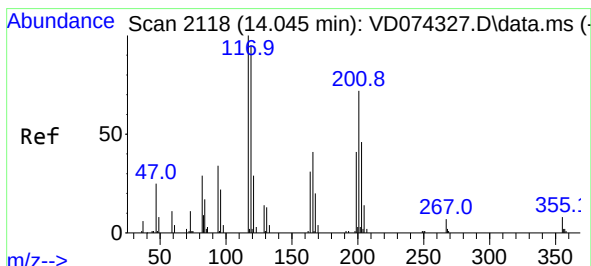
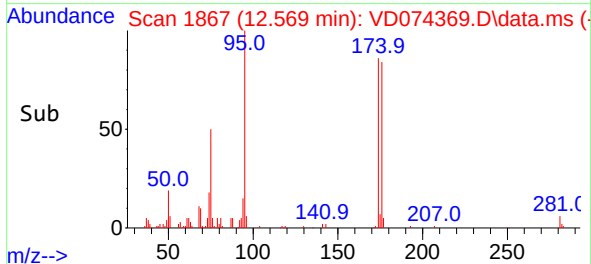
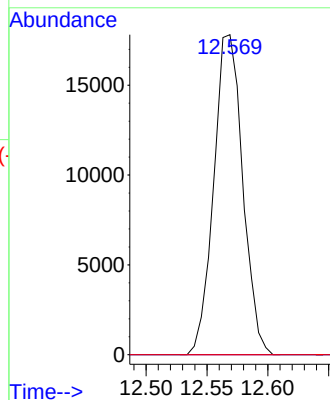
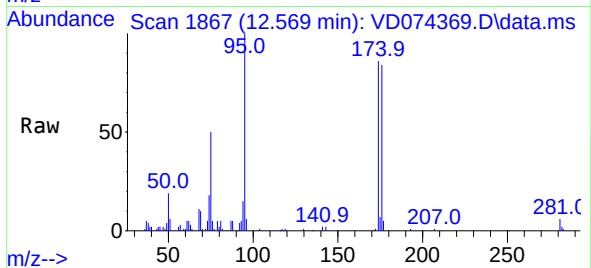




#81
trans-1,4-Dichloro-2-butene
Concen: 108.937 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Instrument :
MSVOA_D
ClientSampleId :
D22007-17.5

Tgt Ion: 75 Resp: 29508
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#90
Hexachloroethane
Concen: 1.833 ug/l
RT: 14.163 min Scan# 2138
Delta R.T. 0.118 min
Lab File: VD074369.D
Acq: 20 Sep 2022 16:51

Tgt Ion: 117 Resp: 1756
Ion Ratio Lower Upper
117 100
201 0.0 38.0 113.9#

