

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071744.D
 Acq On : 19 Jan 2022 15:13
 Operator : VA/SY
 Sample : N1183-01RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 04:58:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

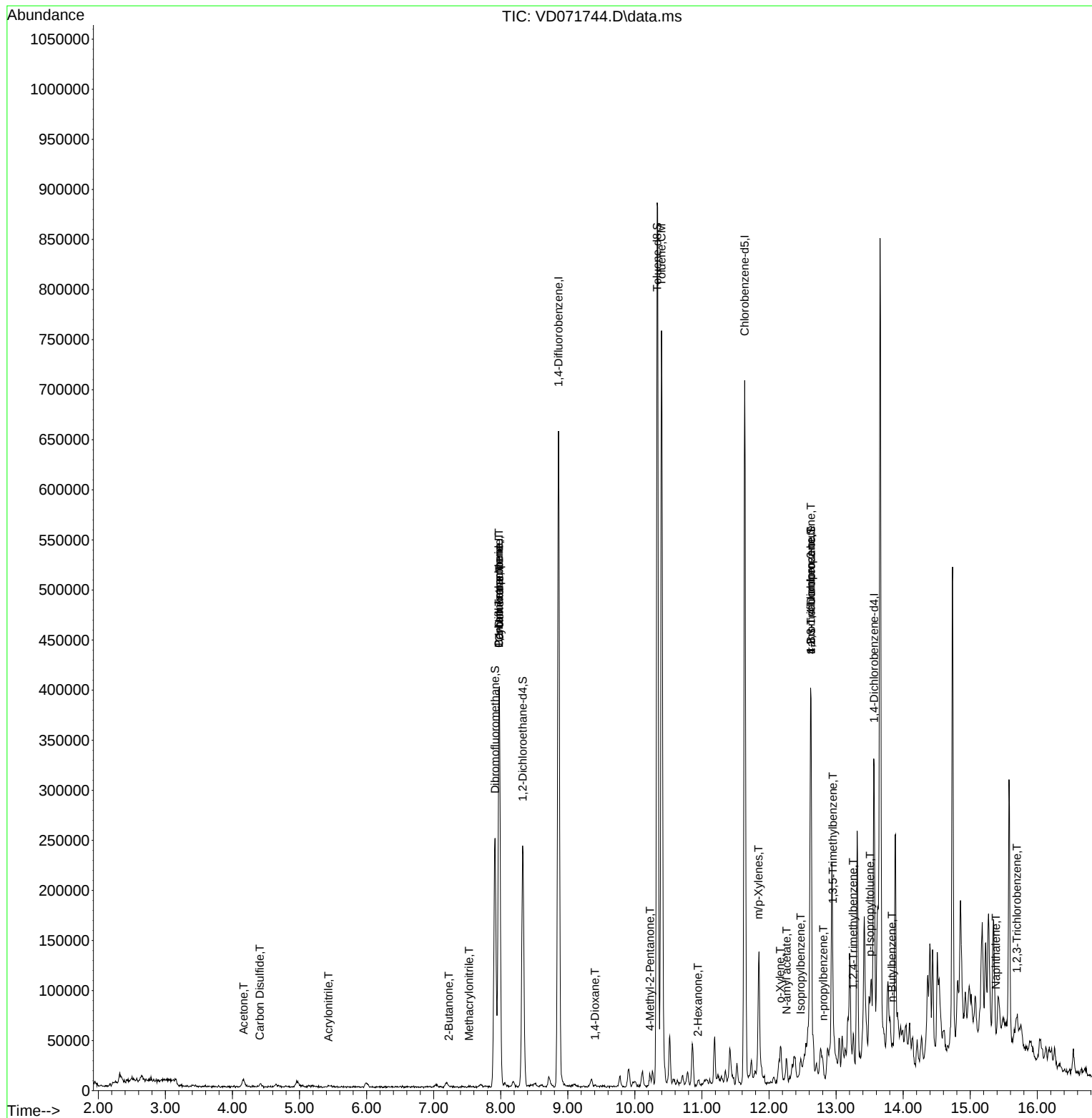
Internal Standards						
1) Pentafluorobenzene	7.973	168	272011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	509092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	358519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	52497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186572	53.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.914	113	172244	51.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.400%	
50) Toluene-d8	10.332	98	564142	44.793	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.580%	
62) 4-Bromofluorobenzene	12.626	95	118877	26.787	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 53.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	73	Below Cal	#	6
3) Chloromethane	2.215	50	403	Below Cal	#	43
5) Bromomethane	2.785	94	657	Below Cal	#	70
11) Tert butyl alcohol	5.191	59	859	Below Cal	#	75
15) Acrylonitrile	5.432	53	860	1.291	ug/l #	49
16) Acetone	4.168	43	13450	16.645	ug/l	97
17) Carbon Disulfide	4.409	76	4406	1.189	ug/l #	74
18) Methyl Acetate	4.697	43	229	Below Cal	#	56
20) Methylene Chloride	4.950	84	1447	Below Cal	#	71
25) 2-Butanone	7.226	43	1327	1.390	ug/l #	56
31) Cyclohexane	7.979	56	10880	2.552	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	25913	5.399	ug/l #	51
38) Carbon Tetrachloride	7.973	117	29981	6.169	ug/l #	20
41) Methacrylonitrile	7.526	41	54	1.169	ug/l #	25
49) 1,4-Dioxane	9.403	88	58	3.162	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	8132	3.672	ug/l	95
52) Toluene	10.397	92	297527	35.745	ug/l	97
59) 2-Hexanone	10.938	43	2583	1.670	ug/l #	29
68) m/p-Xylenes	11.844	106	15944	3.404	ug/l	97
69) o-Xylene	12.167	106	6427	1.450	ug/l	96
73) Isopropylbenzene	12.473	105	8920	2.364	ug/l	93
74) N-amyl acetate	12.261	43	5968	6.449	ug/l #	70
76) 1,2,3-Trichloropropane	12.626	75	68806	135.641	ug/l #	100
78) n-propylbenzene	12.808	91	6360	1.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	7258	2.303	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.626	75	68806	378.150	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.255	105	20757	6.659	ug/l	99
86) p-Isopropyltoluene	13.508	119	4697	1.387	ug/l	98
89) n-Butylbenzene	13.832	91	4026	1.187	ug/l #	72
95) Naphthalene	15.385	128	1658	1.127	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.696	180	793	1.120	ug/l	58

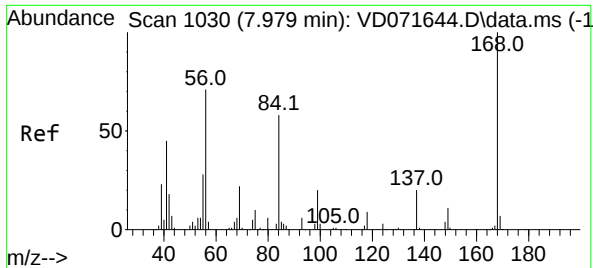
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
Data File : VD071744.D
Acq On : 19 Jan 2022 15:13
Operator : VA/SY
Sample : N1183-01RE
Misc : 5.06G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 20 04:58:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

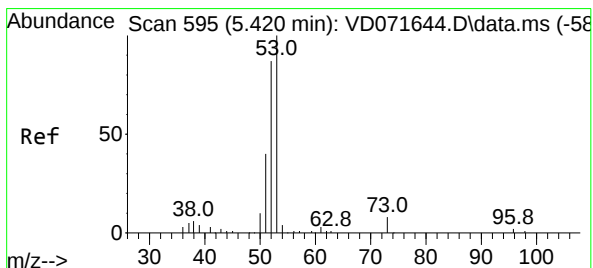
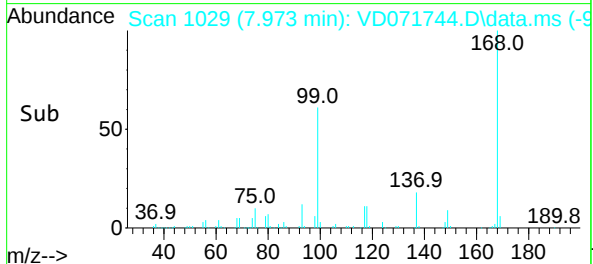
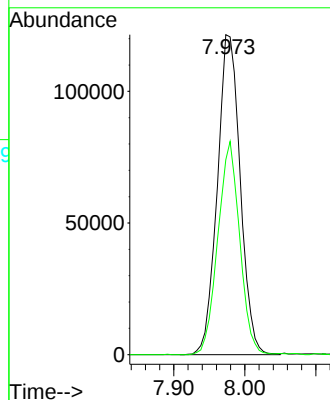
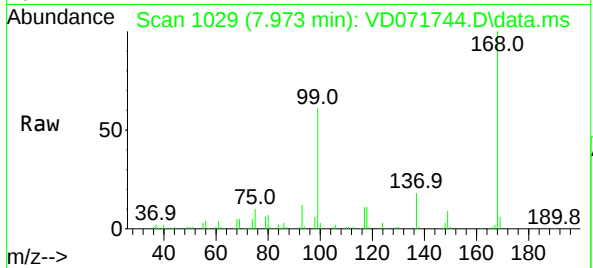




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

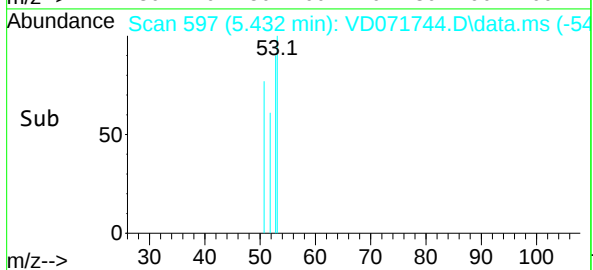
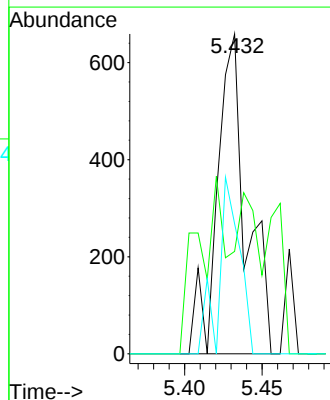
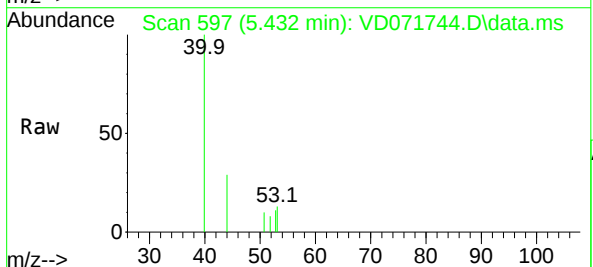
Instrument :
MSVOA_D
ClientSampleId :

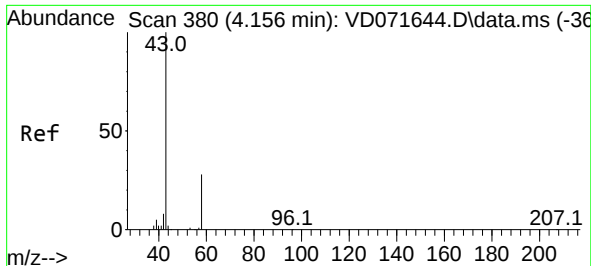
Tgt Ion:168 Resp: 272011
Ion Ratio Lower Upper
168 100
99 60.9 51.8 77.6



#15
Acrylonitrile
Concen: 1.291 ug/l
RT: 5.432 min Scan# 597
Delta R.T. 0.012 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 53 Resp: 860
Ion Ratio Lower Upper
53 100
52 15.5 65.6 98.4#
51 39.7 31.2 46.8

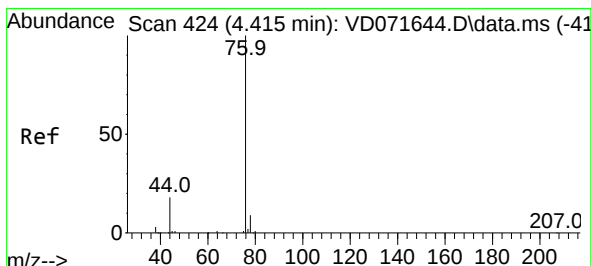
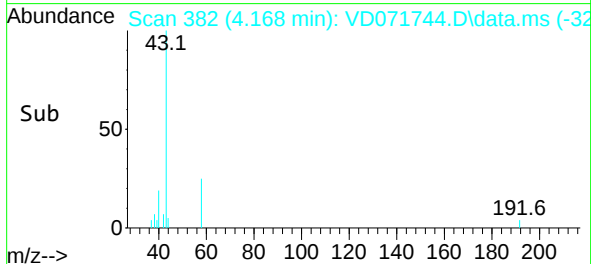
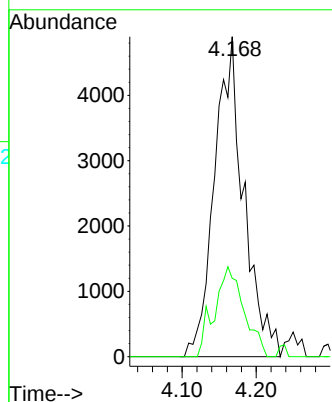
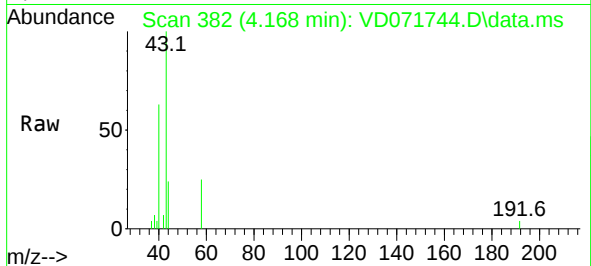




#16
Acetone
Concen: 16.645 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.013 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

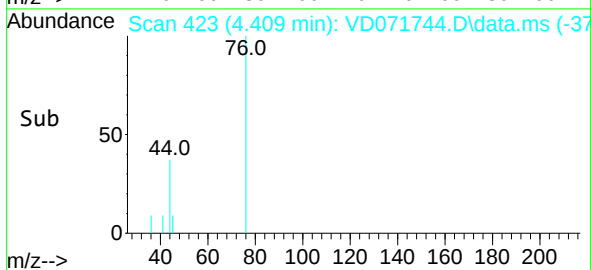
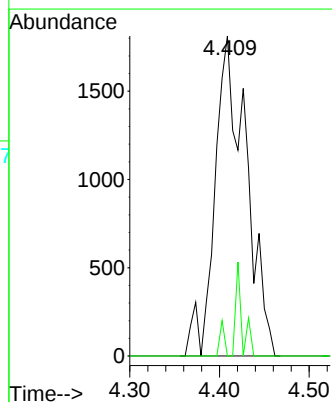
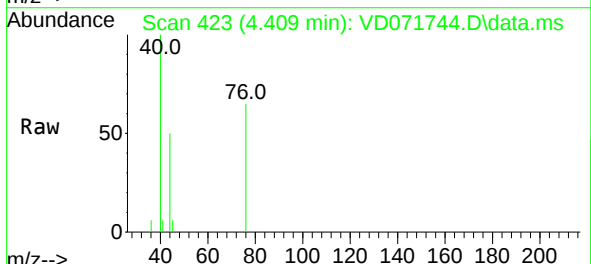
Instrument :
MSVOA_D
ClientSampleId :

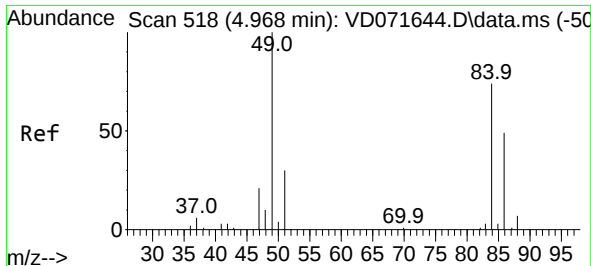
Tgt Ion: 43 Resp: 13450
Ion Ratio Lower Upper
43 100
58 24.5 21.0 31.6



#17
Carbon Disulfide
Concen: 1.189 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 76 Resp: 4406
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.017 min

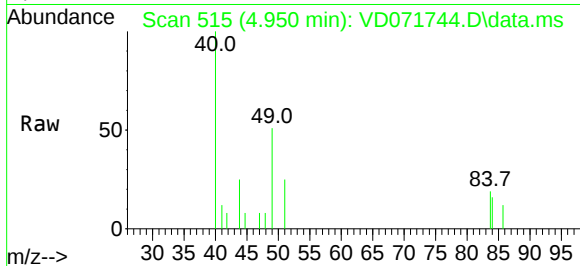
Lab File: VD071744.D

Acq: 19 Jan 2022 15:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 1447

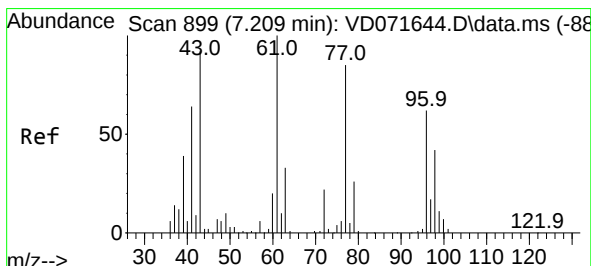
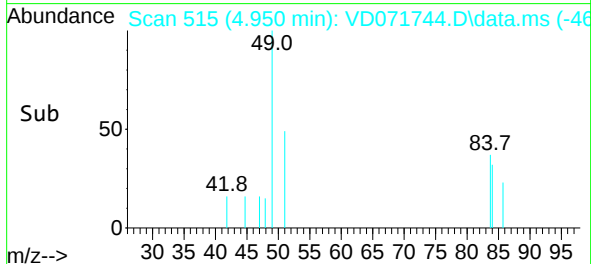
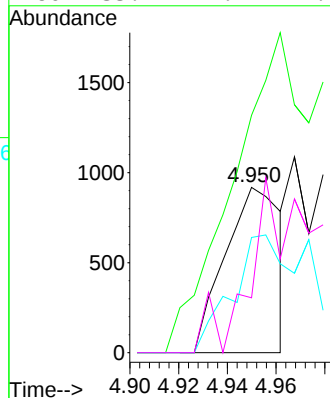
Ion Ratio Lower Upper

84 100

49 116.4 118.6 178.0#

51 69.7 37.8 56.6#

86 33.2 47.9 71.9#



#25

2-Butanone

Concen: 1.390 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.018 min

Lab File: VD071744.D

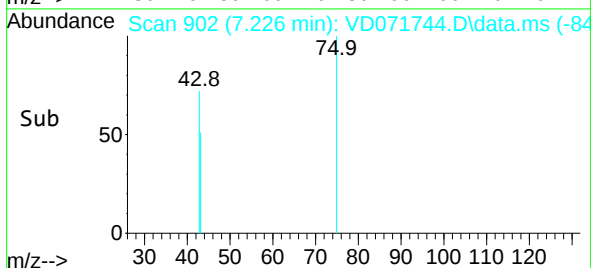
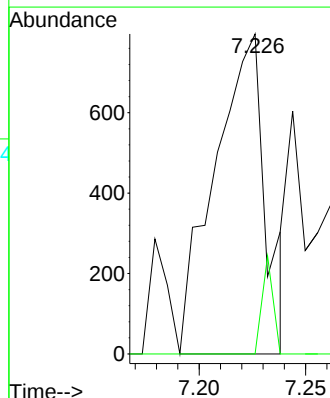
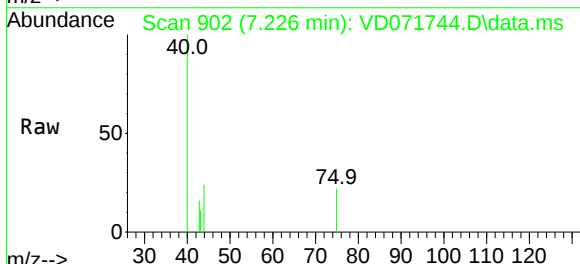
Acq: 19 Jan 2022 15:13

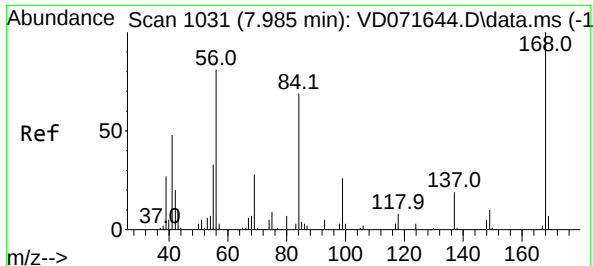
Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

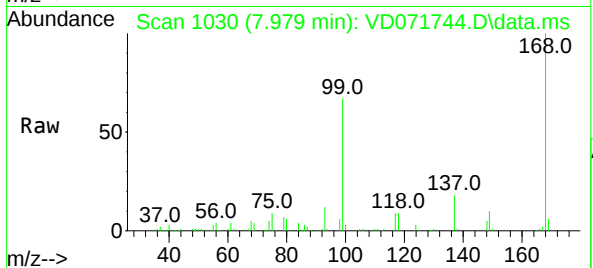
72 0.0 16.4 24.6#



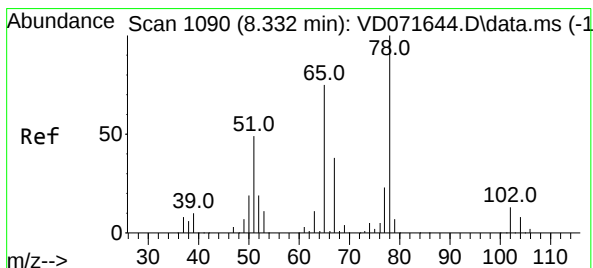
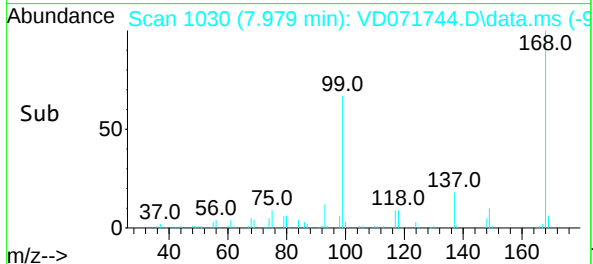
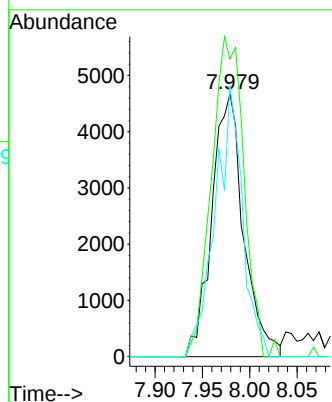


#31
Cyclohexane
Concen: 2.552 ug/l
RT: 7.979 min Scan# 10880
Delta R.T. -0.011 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Instrument :
MSVOA_D
ClientSampleId :

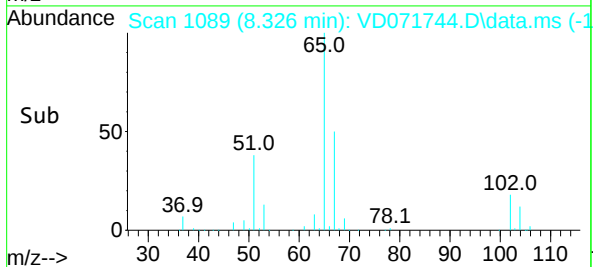
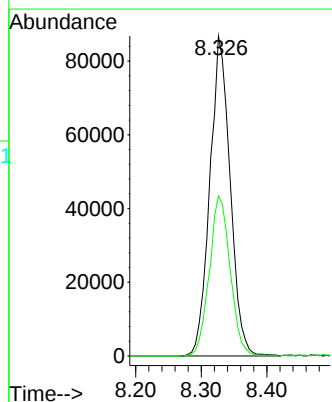
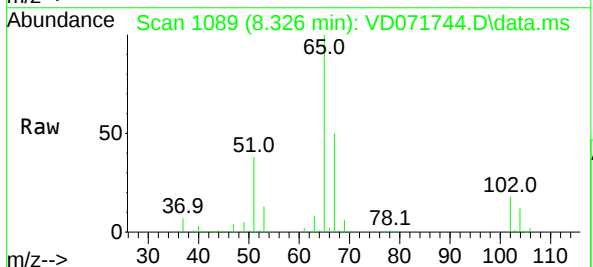


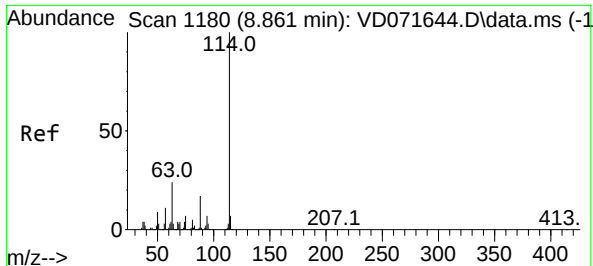
Tgt Ion: 56 Resp: 10880
Ion Ratio Lower Upper
56 100
69 113.3 21.7 32.5#
84 103.0 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 53.306 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 65 Resp: 186572
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071744.D

Acq: 19 Jan 2022 15:13

Instrument :

MSVOA_D

ClientSampleId :

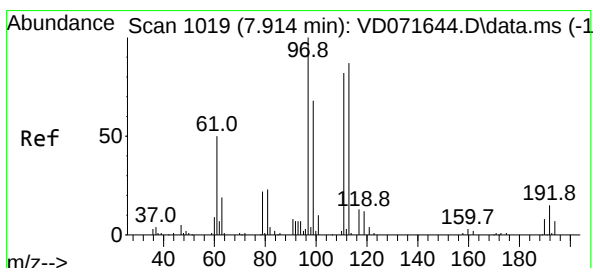
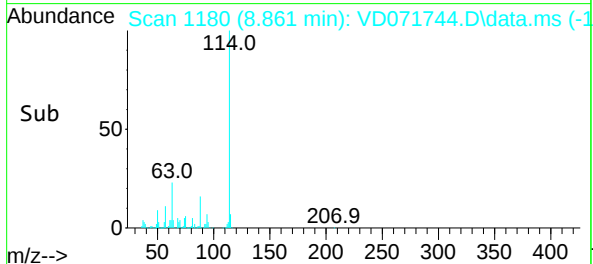
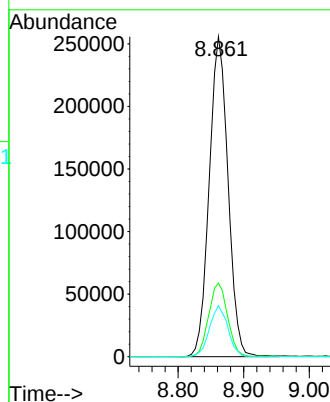
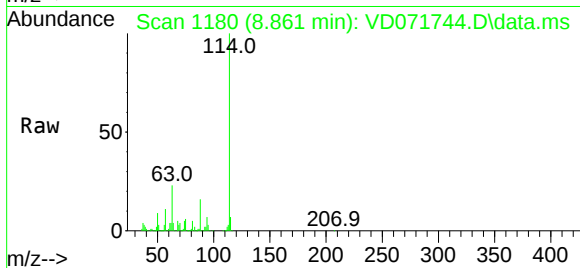
Tgt Ion:114 Resp: 509092

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.2

88 15.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.195 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071744.D

Acq: 19 Jan 2022 15:13

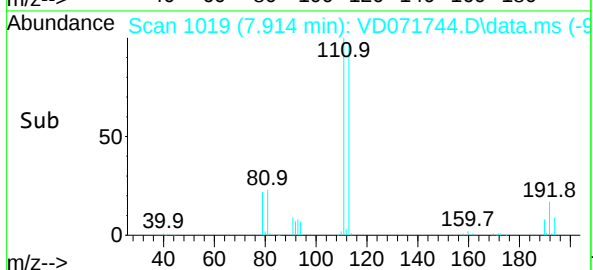
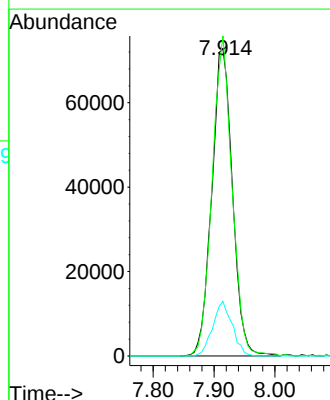
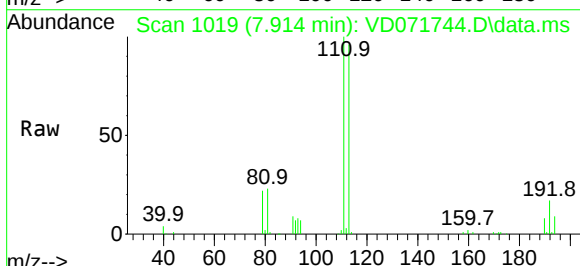
Tgt Ion:113 Resp: 172244

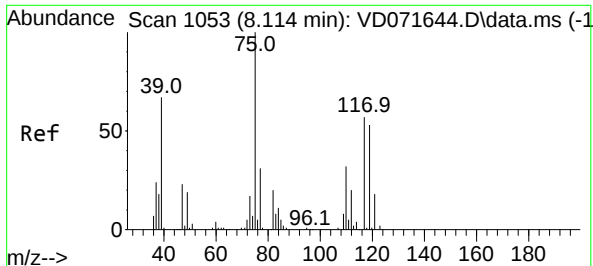
Ion Ratio Lower Upper

113 100

111 100.0 82.2 123.4

192 16.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.399 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071744.D

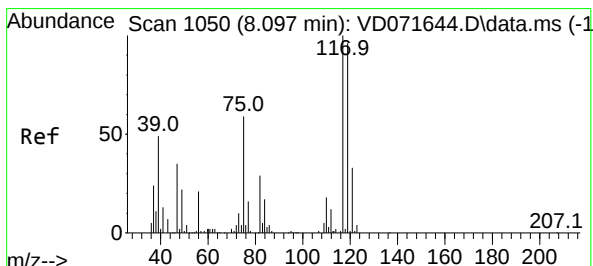
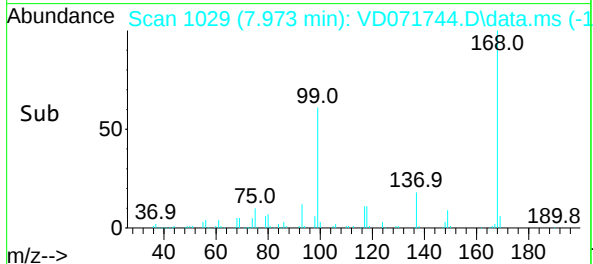
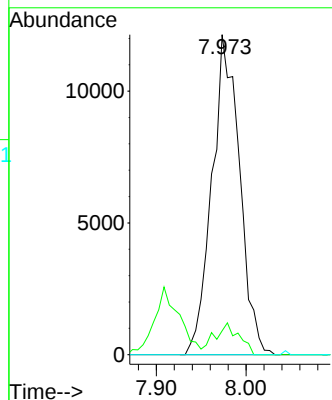
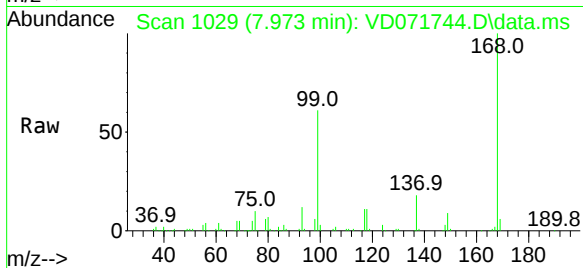
Acq: 19 Jan 2022 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	25913
Ion Ratio	Lower	Upper	
75	100		
110	8.7	16.0	48.0#
77	0.0	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.169 ug/l

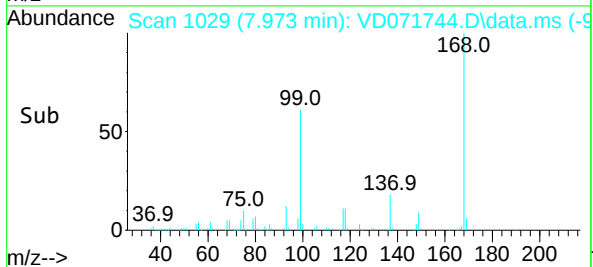
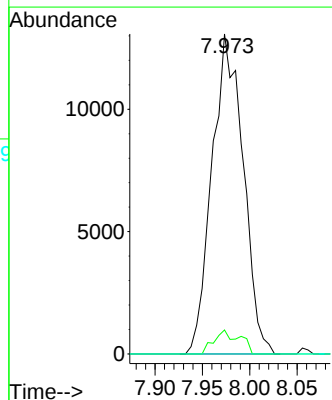
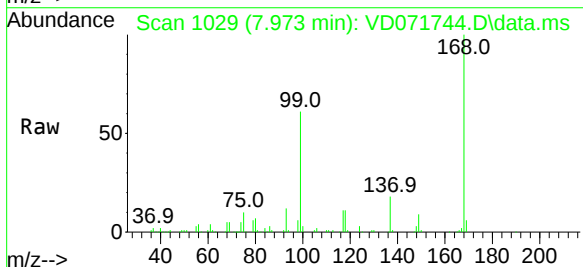
RT: 7.973 min Scan# 1029

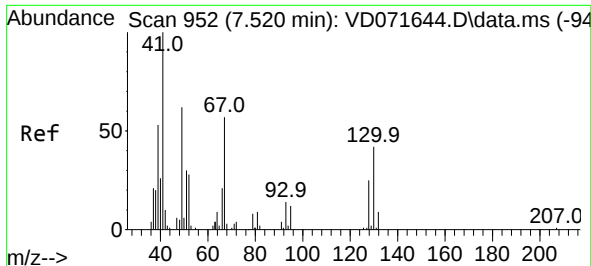
Delta R.T. -0.123 min

Lab File: VD071744.D

Acq: 19 Jan 2022 15:13

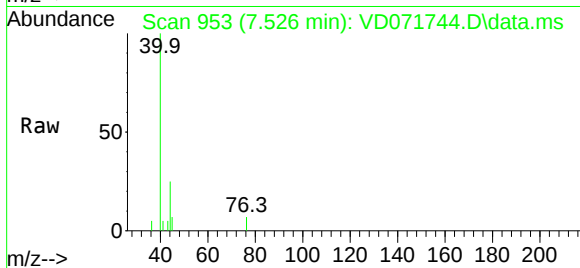
Tgt Ion:	117	Resp:	29981
Ion Ratio	Lower	Upper	
117	100		
119	7.5	73.4	110.2#
121	0.0	23.9	35.9#



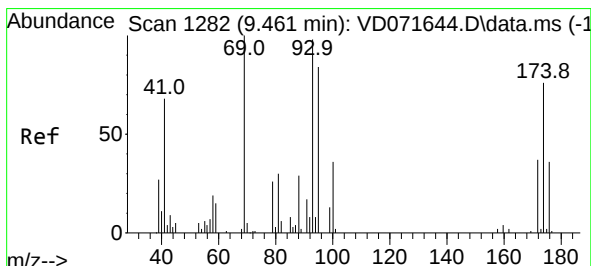
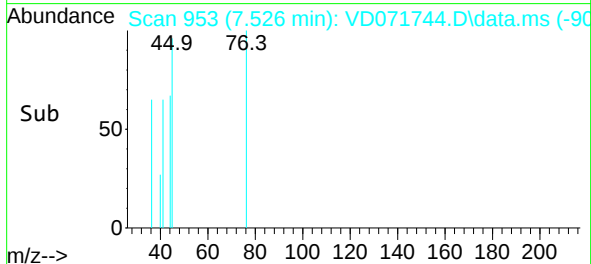
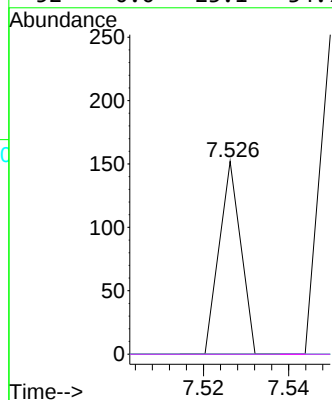


#41
Methacrylonitrile
Concen: 1.169 ug/l
RT: 7.526 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Instrument :
MSVOA_D
ClientSampleId :

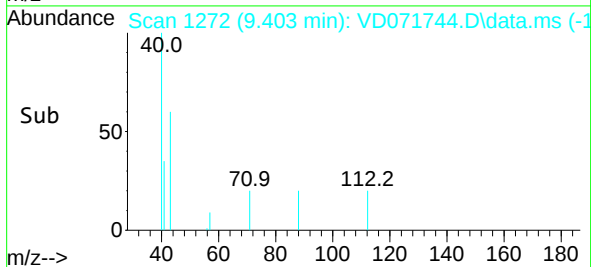
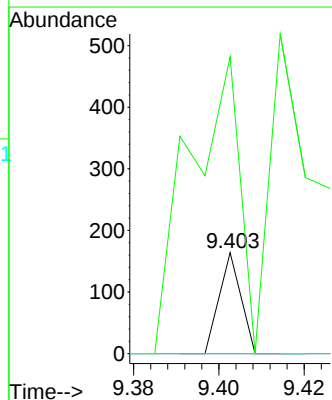
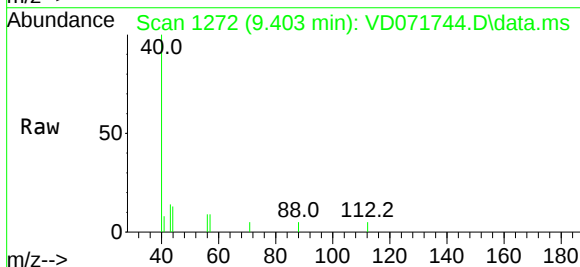


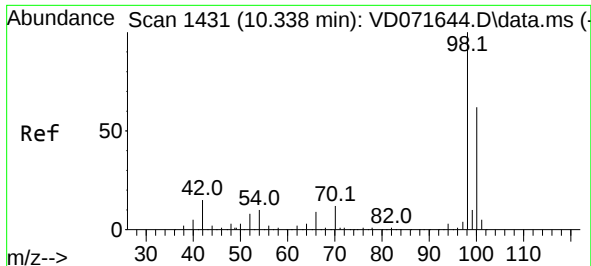
Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.9	70.3#
67	0.0	49.3	73.9#
52	0.0	23.1	34.7#



#49
1,4-Dioxane
Concen: 3.162 ug/l
RT: 9.403 min Scan# 1272
Delta R.T. -0.052 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion:	88	Resp:	58
Ion	Ratio	Lower	Upper
88	100		
43	682.8	34.6	52.0#
58	0.0	62.0	93.0#

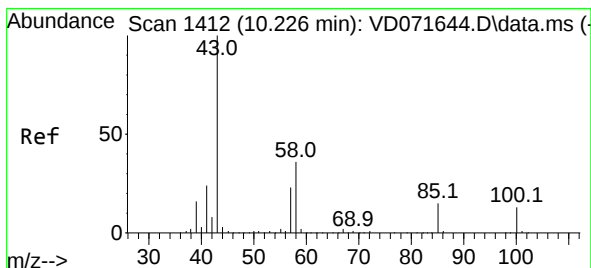
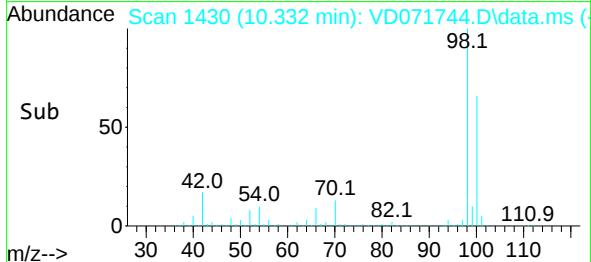
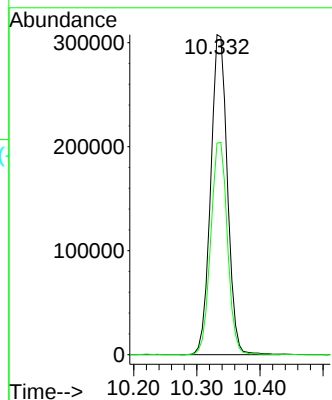
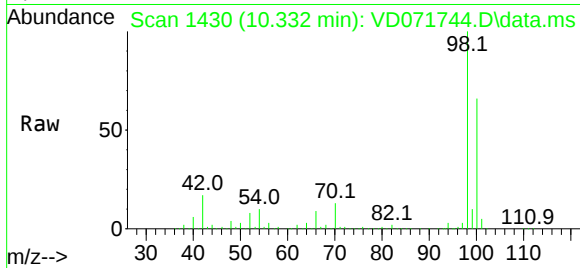




#50
Toluene-d8
Concen: 44.793 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

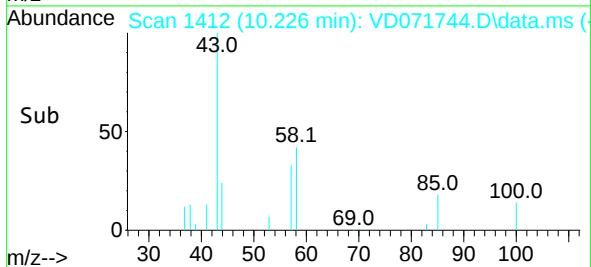
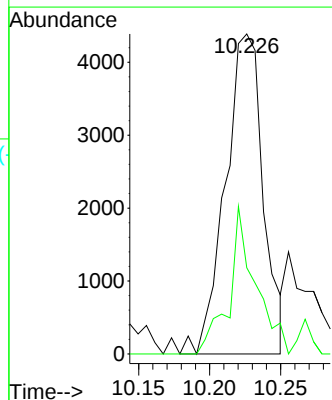
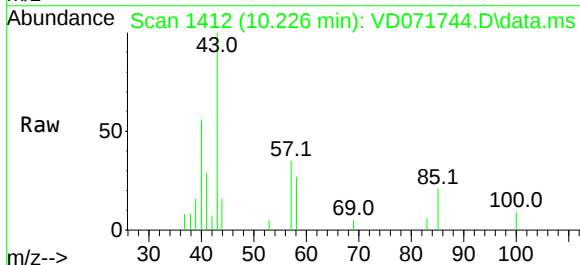
Instrument :
MSVOA_D
ClientSampleId :

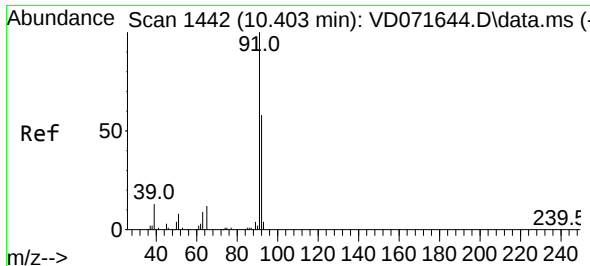
Tgt Ion: 98 Resp: 564142
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.672 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 43 Resp: 8132
Ion Ratio Lower Upper
43 100
58 32.2 28.2 42.2

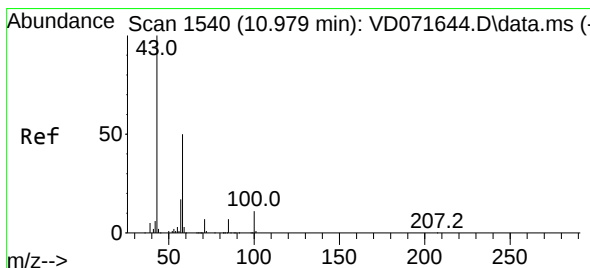
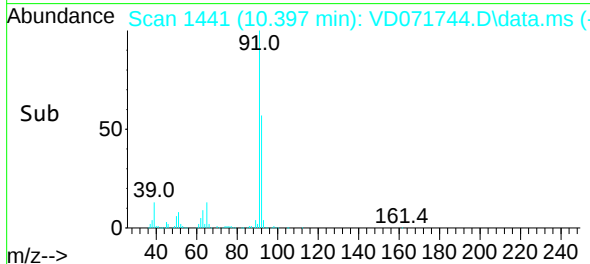
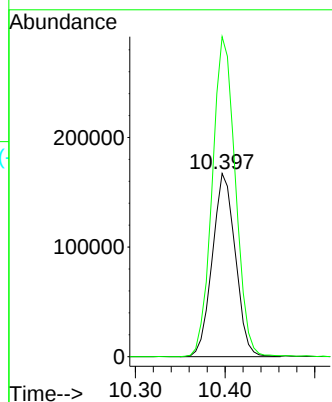
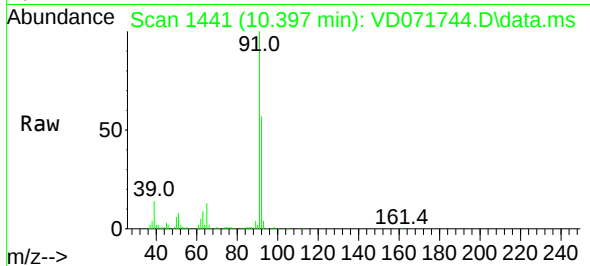




#52
Toluene
Concen: 35.745 ug/l
RT: 10.397 min Scan# 1442
Delta R.T. -0.005 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

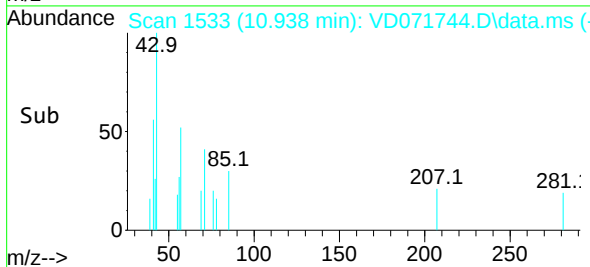
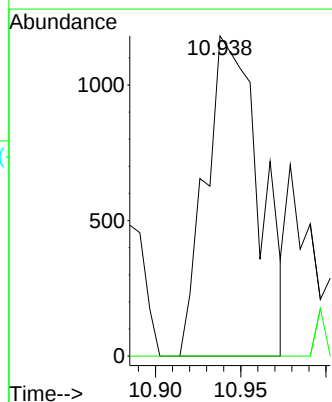
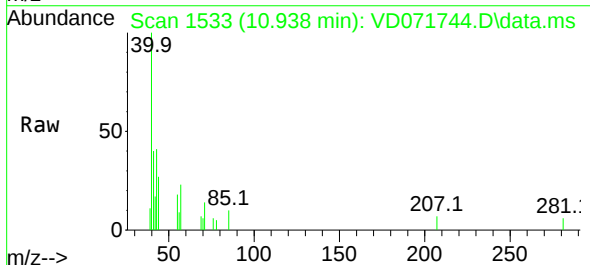
Instrument :
MSVOA_D
ClientSampleId :

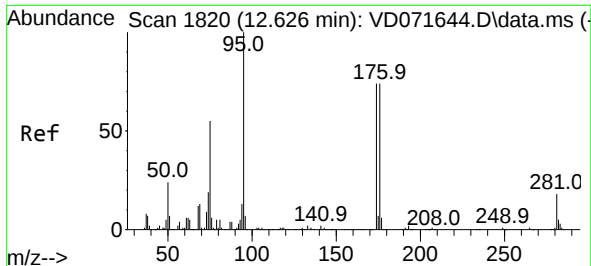
Tgt Ion: 92 Resp: 297527
Ion Ratio Lower Upper
92 100
91 176.2 137.3 205.9



#59
2-Hexanone
Concen: 1.670 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 43 Resp: 2583
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.8#

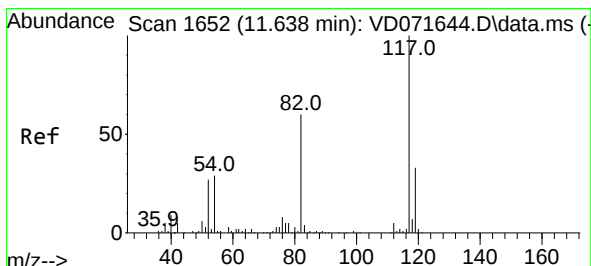
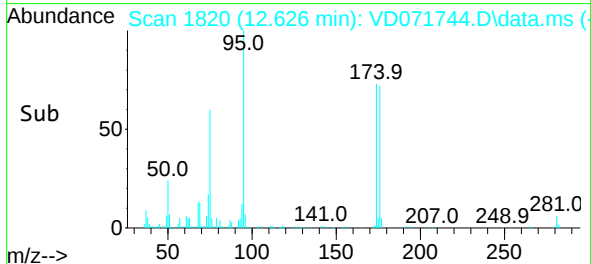
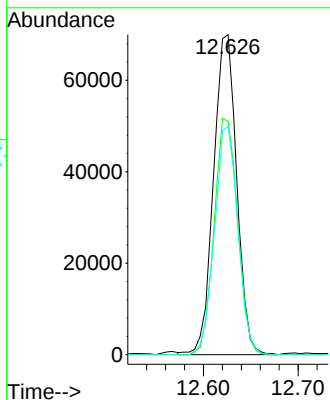
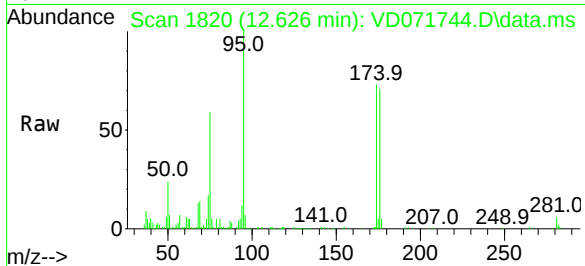




#62
4-Bromofluorobenzene
Concen: 26.787 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

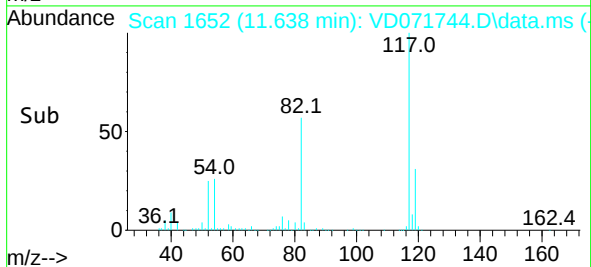
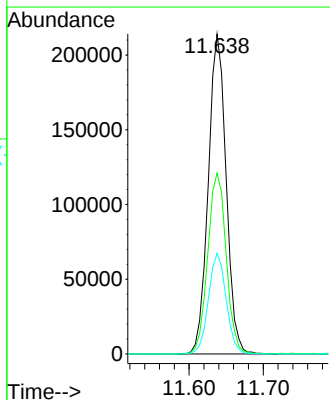
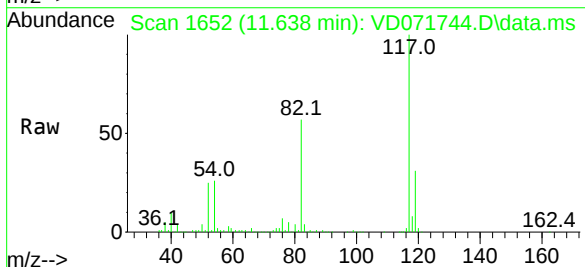
Instrument :
MSVOA_D
ClientSampleId :

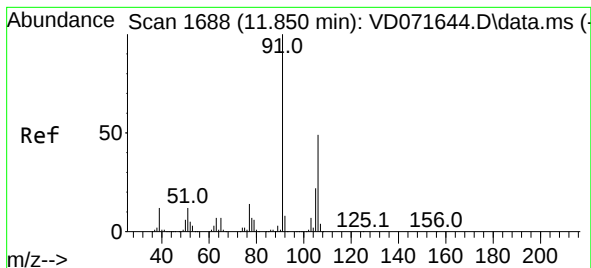
Tgt Ion: 95 Resp: 118877
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.0
176 71.7 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 117 Resp: 358519
Ion Ratio Lower Upper
117 100
82 56.5 46.9 70.3
119 31.5 26.6 39.8

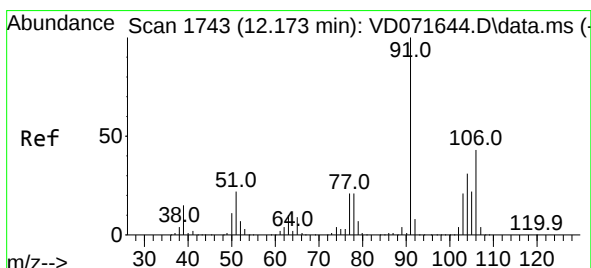
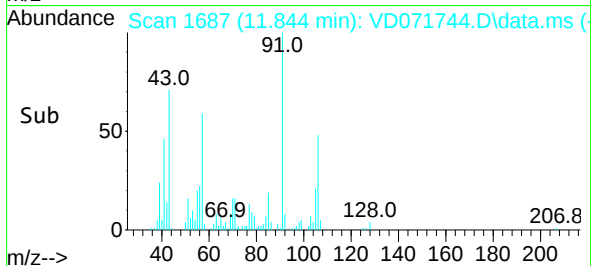
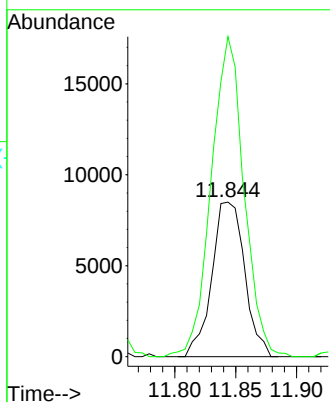
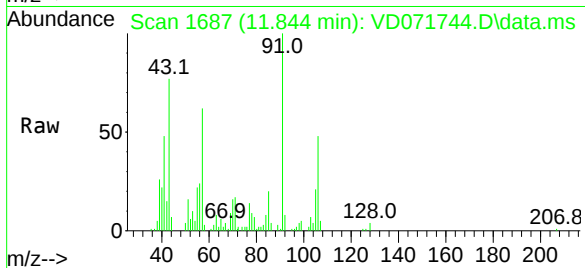




#68
m/p-Xylenes
Concen: 3.404 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.005 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

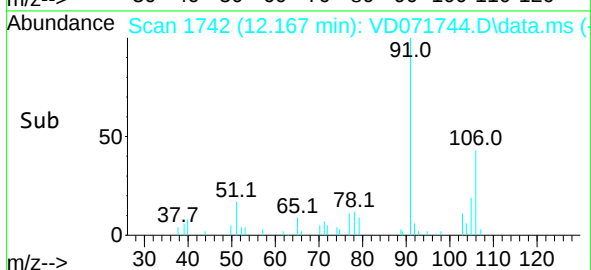
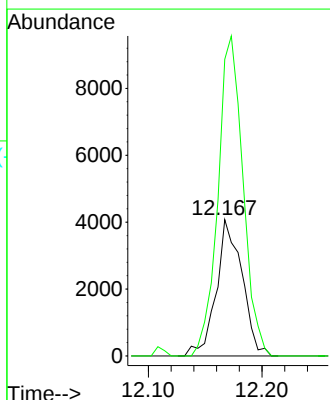
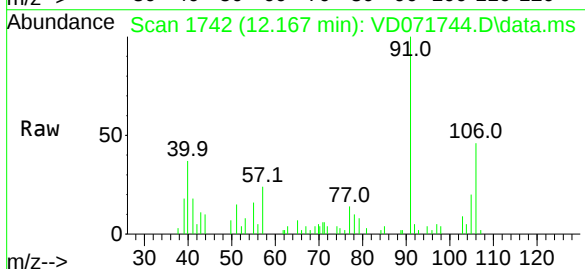
Instrument :
MSVOA_D
ClientSampleId :

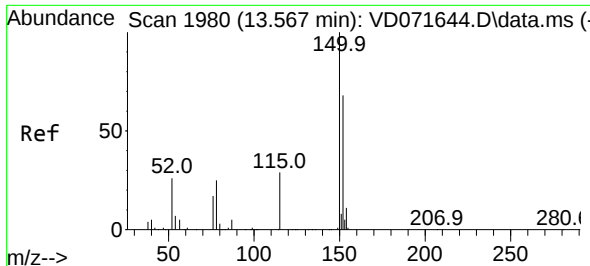
Tgt Ion:106 Resp: 15944
Ion Ratio Lower Upper
106 100
91 206.7 168.6 252.8



#69
o-Xylene
Concen: 1.450 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion:106 Resp: 6427
Ion Ratio Lower Upper
106 100
91 228.2 110.9 332.9

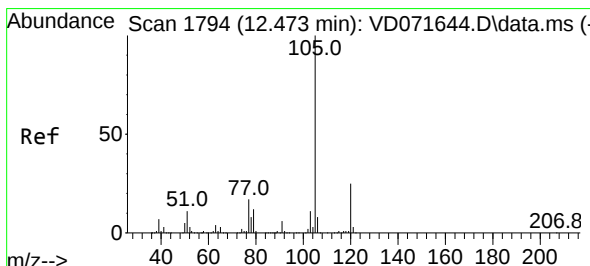
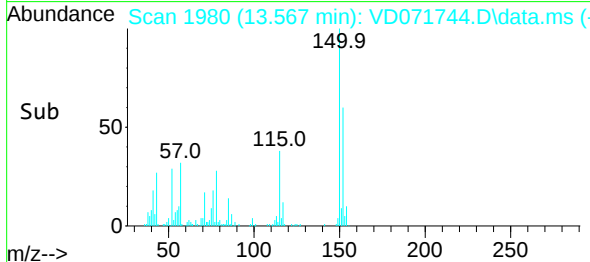
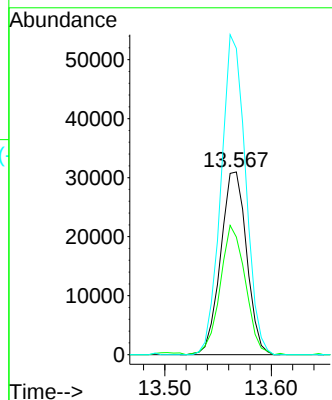
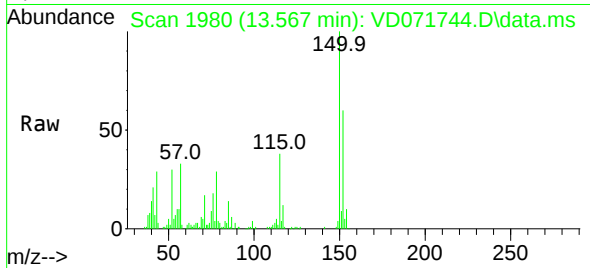




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD071744.D
 Acq: 19 Jan 2022 15:13

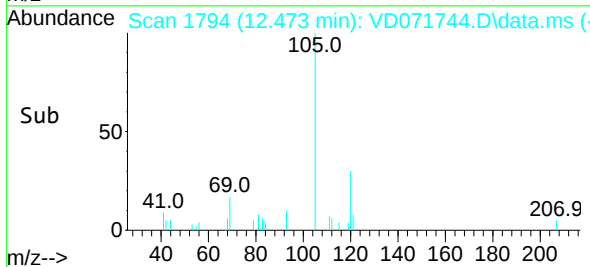
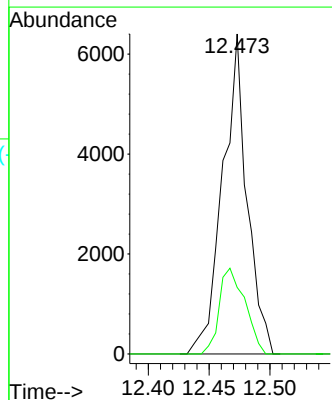
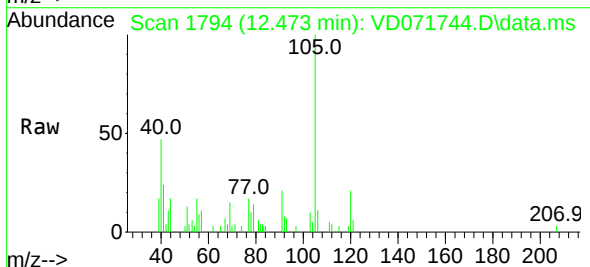
Instrument :
 MSVOA_D
 ClientSampleId :

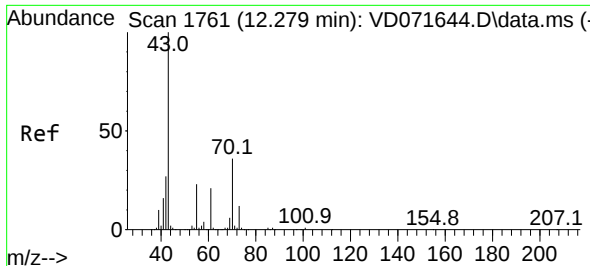
Tgt Ion:152 Resp: 52497
 Ion Ratio Lower Upper
 152 100
 115 68.6 31.5 94.5
 150 165.8 0.0 348.0



#73
 Isopropylbenzene
 Concen: 2.364 ug/l
 RT: 12.473 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VD071744.D
 Acq: 19 Jan 2022 15:13

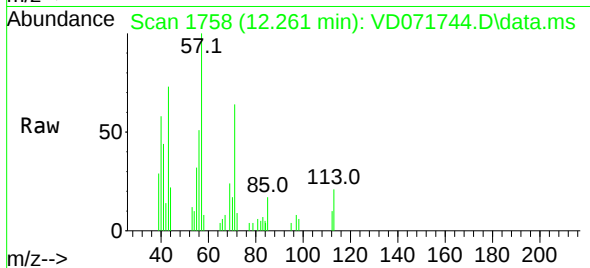
Tgt Ion:105 Resp: 8920
 Ion Ratio Lower Upper
 105 100
 120 28.3 12.5 37.5



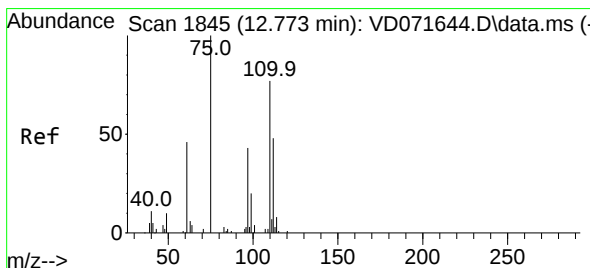
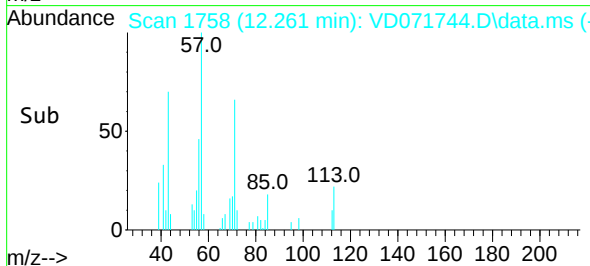
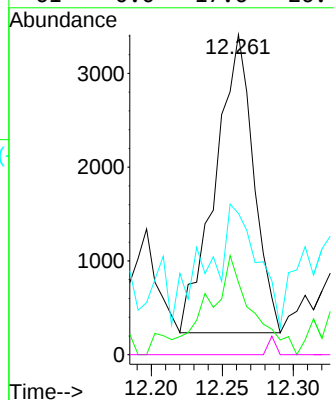


#74
N-amy1 acetate
Concen: 6.449 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.017 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Instrument :
MSVOA_D
ClientSampleId :

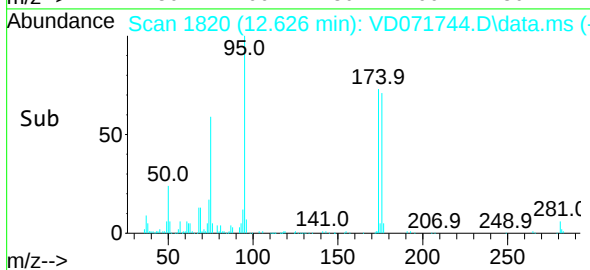
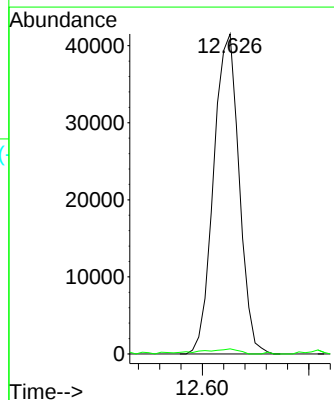
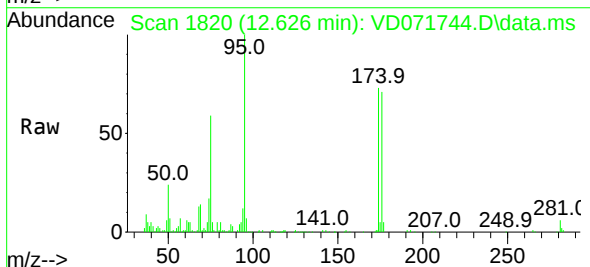


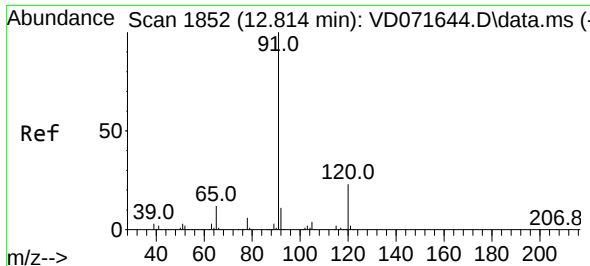
Tgt Ion: 43	Resp: 5968
Ion Ratio	Lower Upper
43 100	
70 37.1	29.5 44.3
55 53.2	19.1 28.7#
61 0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 135.641 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 75	Resp: 68806
Ion Ratio	Lower Upper
75 100	
77 2.2	0.0 0.0#

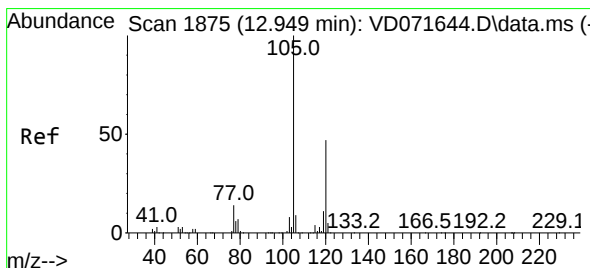
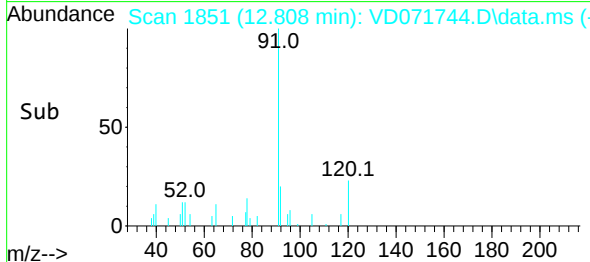
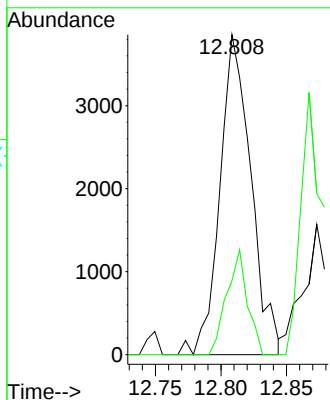
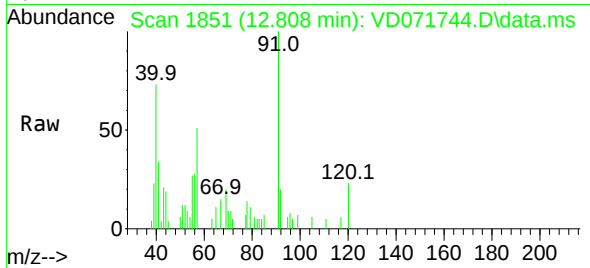




#78
n-propylbenzene
Concen: 1.340 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

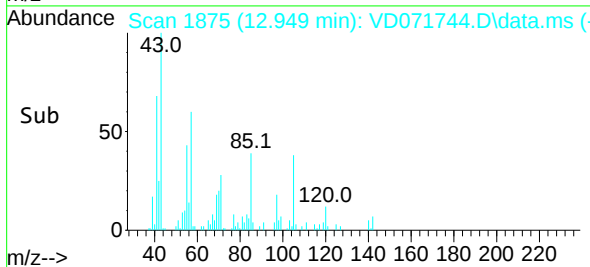
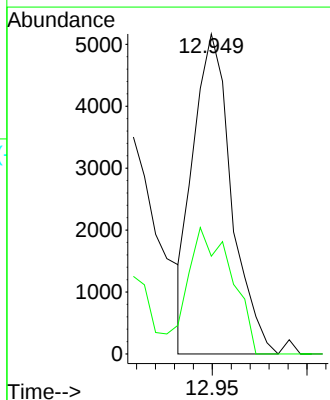
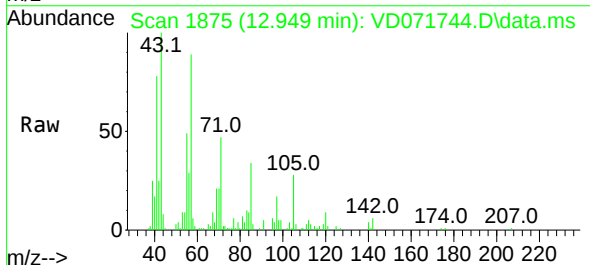
Instrument :
MSVOA_D
ClientSampleId :

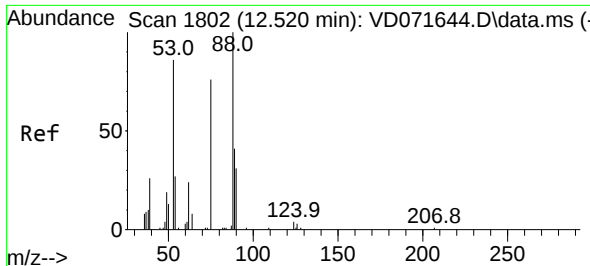
Tgt Ion: 91 Resp: 6360
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.7



#80
1,3,5-Trimethylbenzene
Concen: 2.303 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 105 Resp: 7258
Ion Ratio Lower Upper
105 100
120 44.8 24.2 72.6

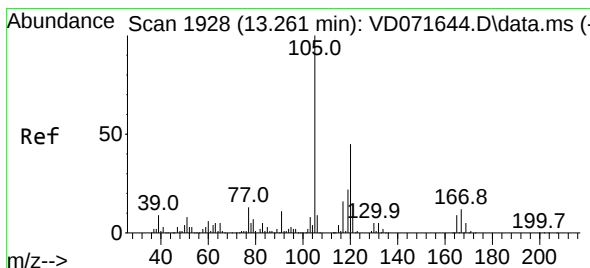
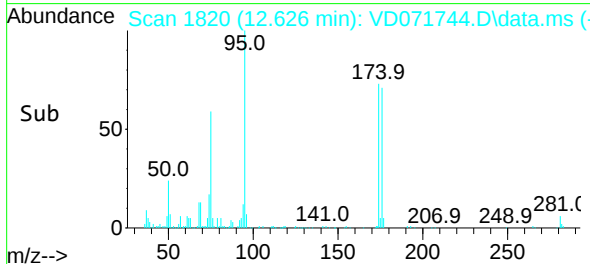
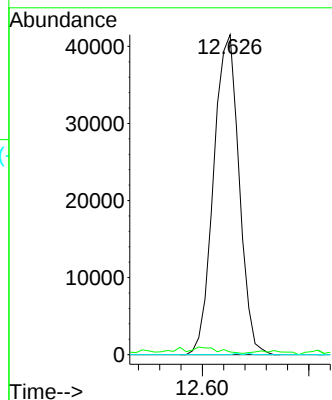
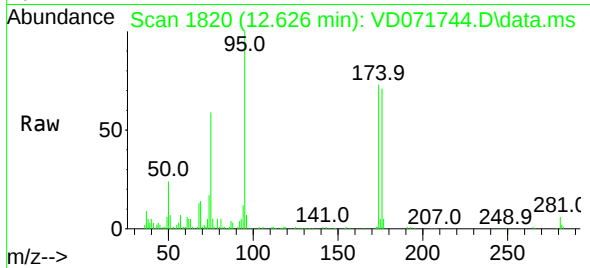




#81
trans-1,4-Dichloro-2-butene
Concen: 378.150 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

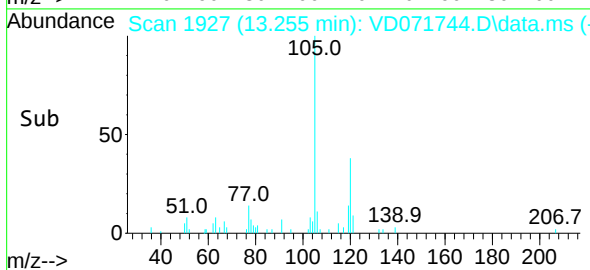
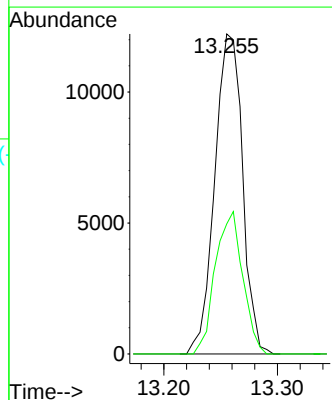
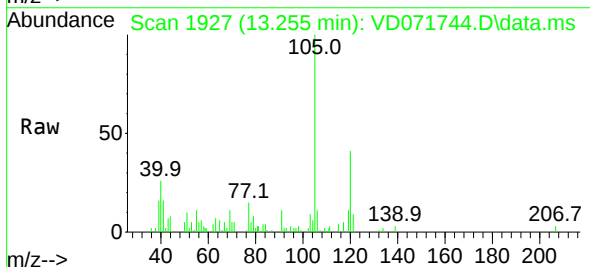
Instrument :
MSVOA_D
ClientSampleId :

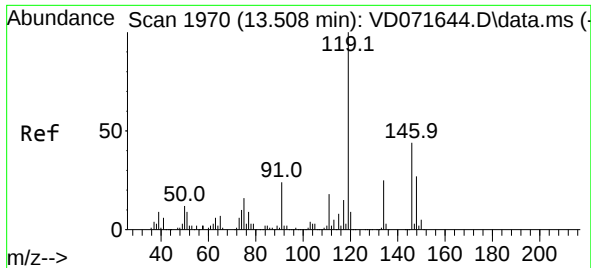
Tgt Ion: 75 Resp: 68806
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.2 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 6.659 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 105 Resp: 20757
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9

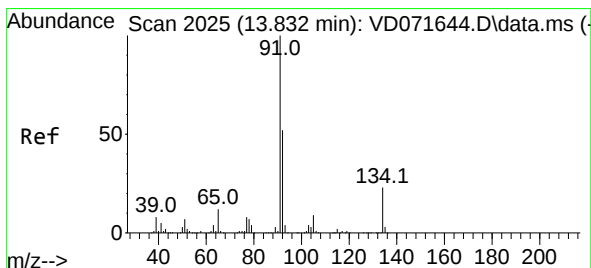
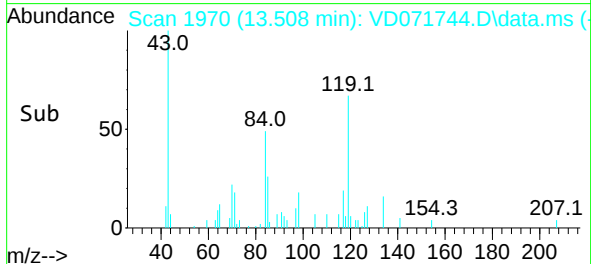
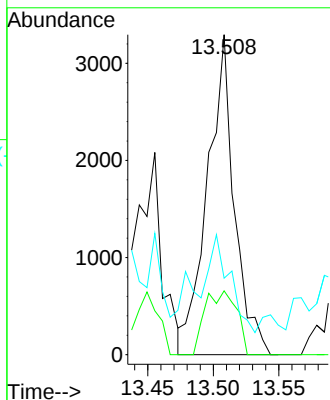
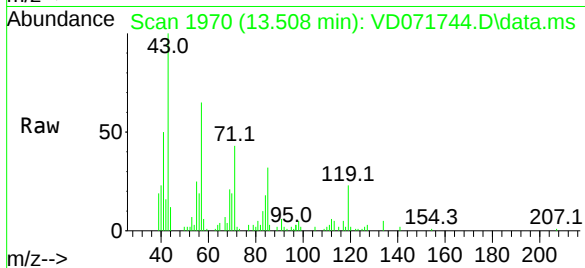




#86
p-Isopropyltoluene
Concen: 1.387 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

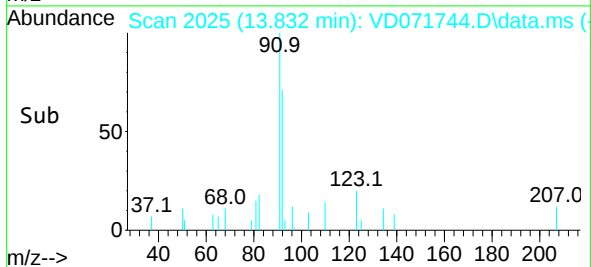
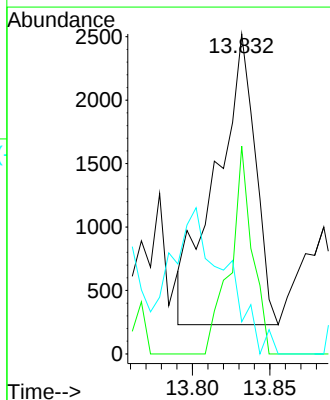
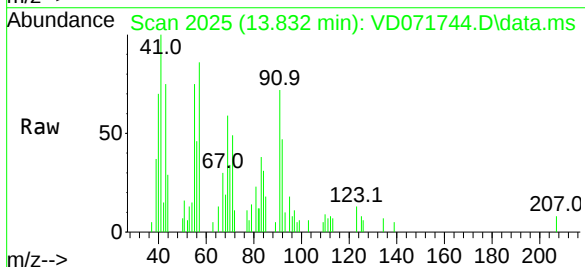
Instrument :
MSVOA_D
ClientSampleId :

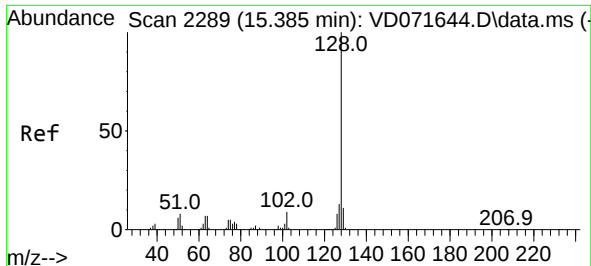
Tgt Ion:119 Resp: 4697
Ion Ratio Lower Upper
119 100
134 23.5 12.7 38.1
91 25.2 12.4 37.2



#89
n-Butylbenzene
Concen: 1.187 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.001 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion: 91 Resp: 4026
Ion Ratio Lower Upper
91 100
92 40.0 26.6 79.8
134 0.0 12.1 36.3#

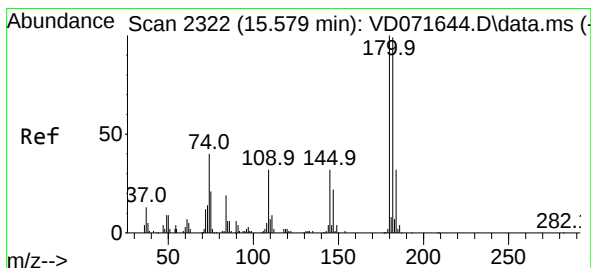
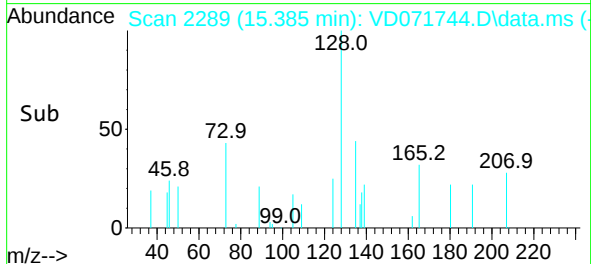
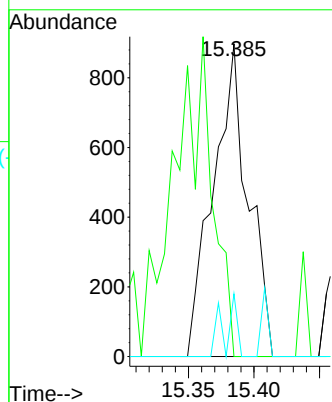
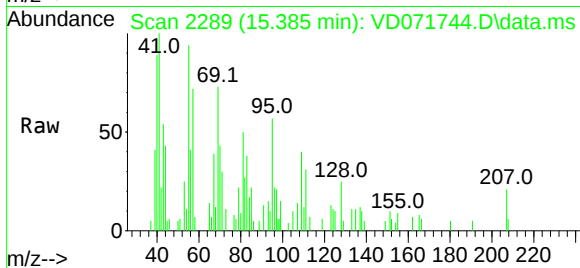




#95
Naphthalene
Concen: 1.127 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.001 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1658
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 3.3 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.696 min Scan# 2342
Delta R.T. 0.118 min
Lab File: VD071744.D
Acq: 19 Jan 2022 15:13

Tgt Ion:180 Resp: 793
Ion Ratio Lower Upper
180 100
182 48.0 47.0 141.2
145 17.3 16.4 49.2

