

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073575.D
 Acq On : 14 Jun 2022 18:04
 Operator : VA/SY
 Sample : N3293-04
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30876

Quant Time: Jun 15 01:37:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

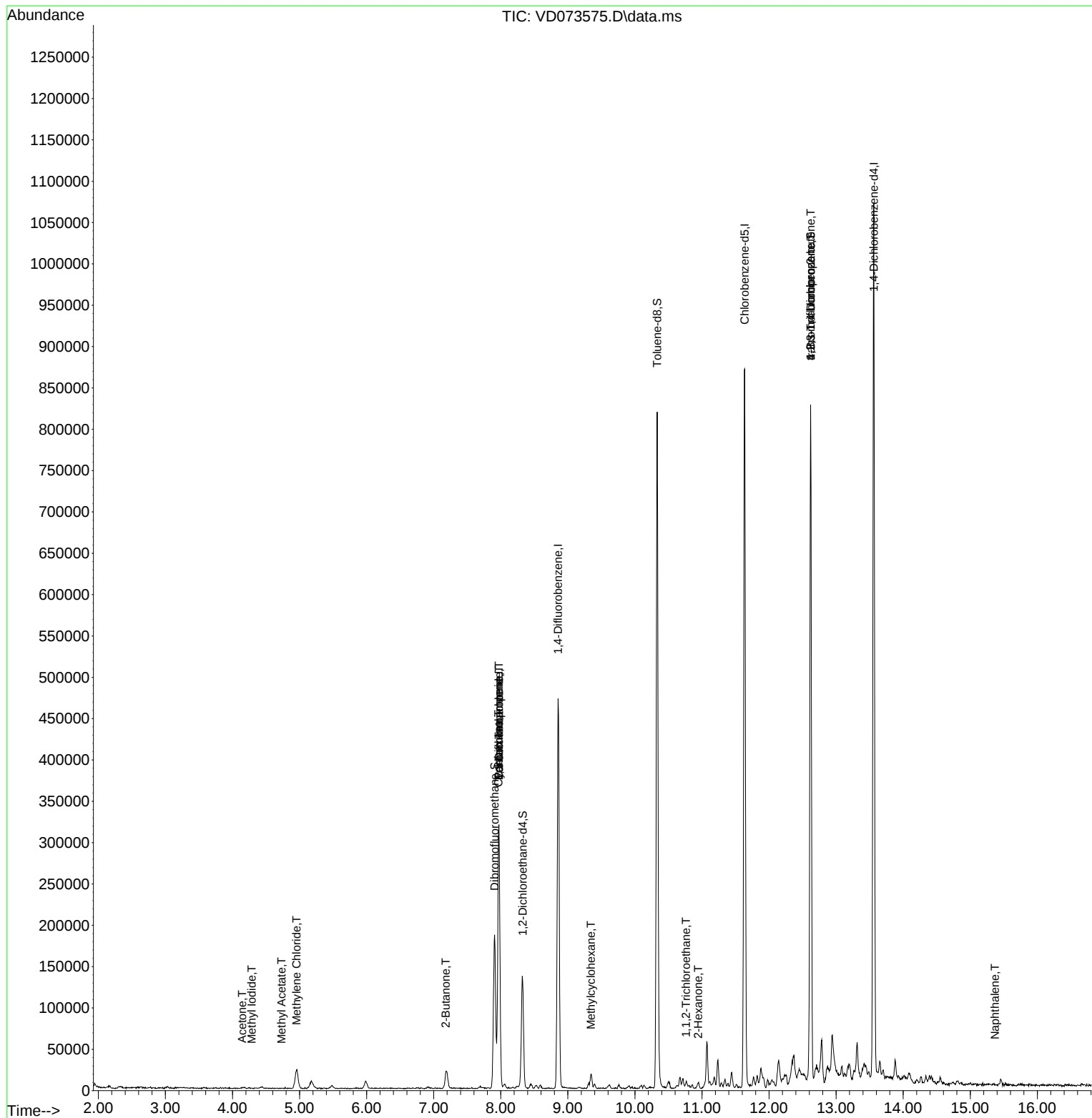
Internal Standards						
1) Pentafluorobenzene	7.973	168	234502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	415124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	523599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	112878	44.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.700%
35) Dibromofluoromethane	7.908	113	134616	50.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.860%
50) Toluene-d8	10.332	98	531164	52.628	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.260%
62) 4-Bromofluorobenzene	12.620	95	278572	76.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	152.060%#
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	295	4.266	ug/l #	38
11) Tert butyl alcohol	5.185	59	9275	Below Cal	#	74
16) Acetone	4.144	43	803	1.812	ug/l #	47
18) Methyl Acetate	4.732	43	69	1.423	ug/l #	55
20) Methylene Chloride	4.956	84	17723	3.334	ug/l #	77
25) 2-Butanone	7.179	43	1518	2.328	ug/l #	52
31) Cyclohexane	7.967	56	5548	1.309	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	18849	4.701	ug/l #	51
38) Carbon Tetrachloride	7.973	117	23353	5.568	ug/l #	16
39) Methylcyclohexane	9.344	83	6150	1.316	ug/l	98
55) 1,1,2-Trichloroethane	10.761	97	2768	1.193	ug/l #	15
59) 2-Hexanone	10.944	43	2547	2.359	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	134417	47.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	134417	112.557	ug/l #	7
95) Naphthalene	15.367	128	1300	4.318	ug/l #	70

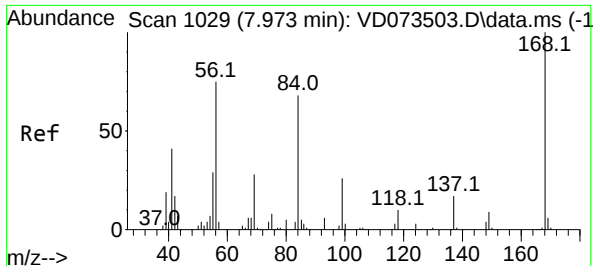
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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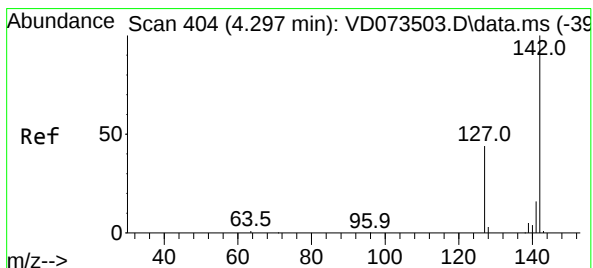
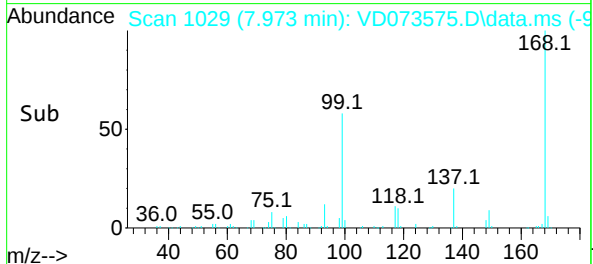
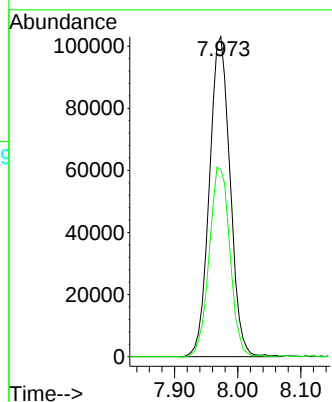
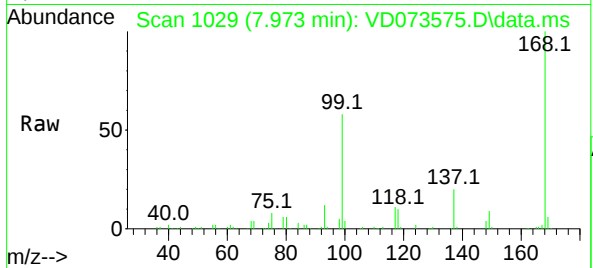




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

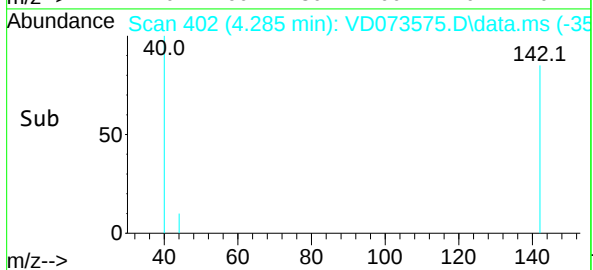
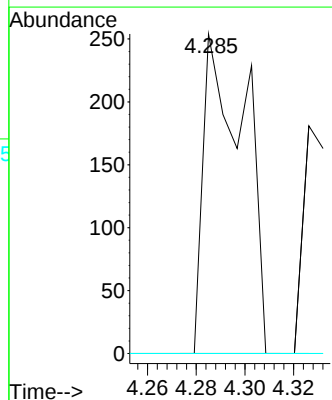
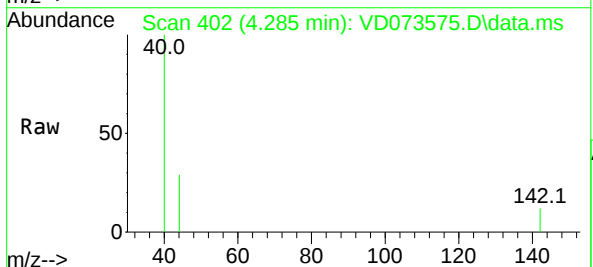
Instrument :
MSVOA_D
ClientSampleId :
30876

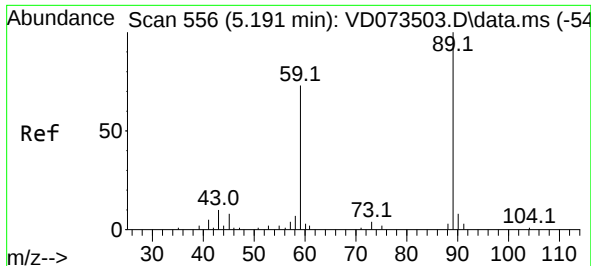
Tgt Ion:168 Resp: 234502
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.266 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion:142 Resp: 295
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

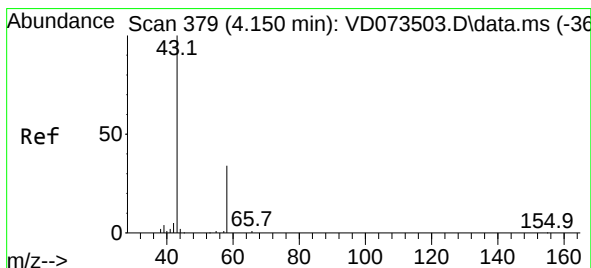
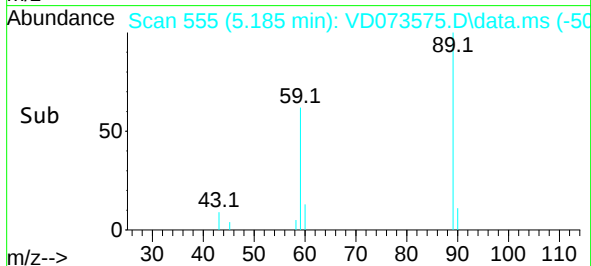
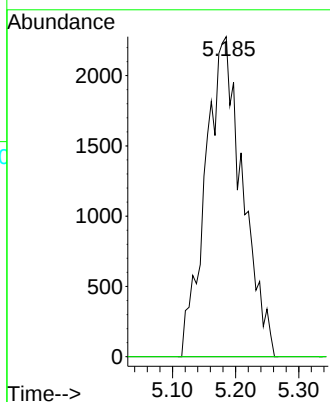
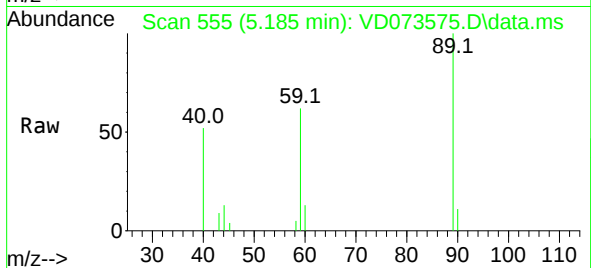




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

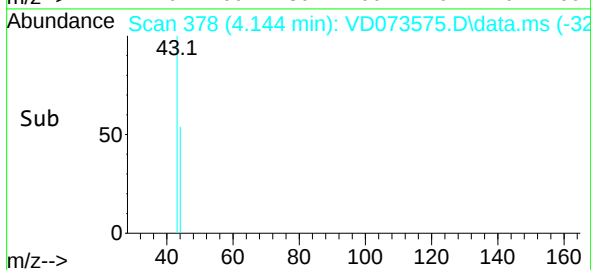
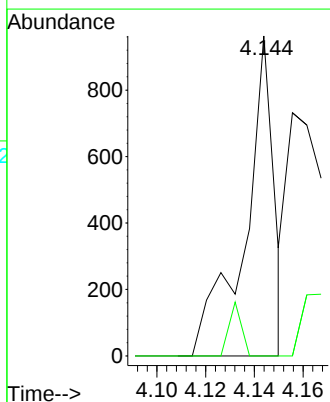
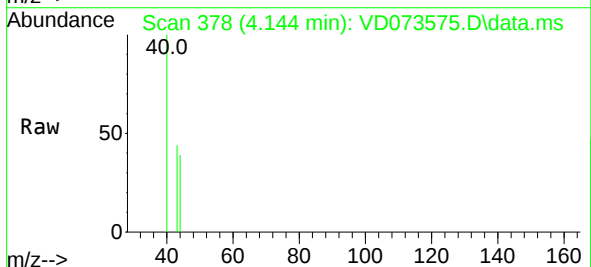
Instrument :
MSVOA_D
ClientSampleId :
30876

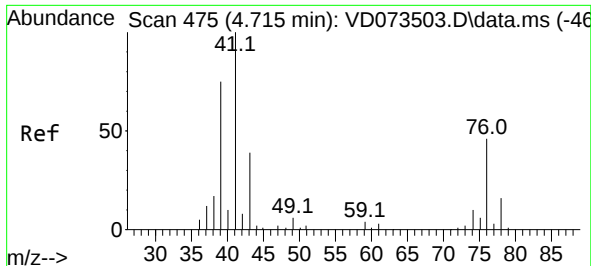
Tgt Ion: 59 Resp: 9275
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.812 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.006 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

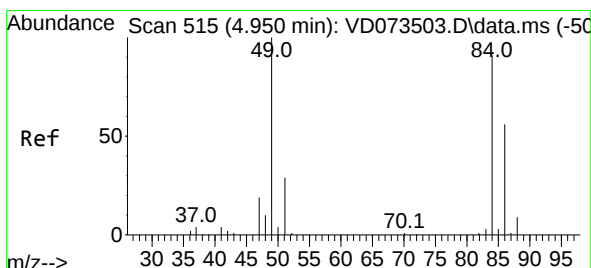
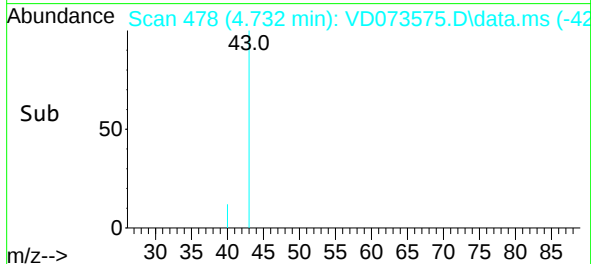
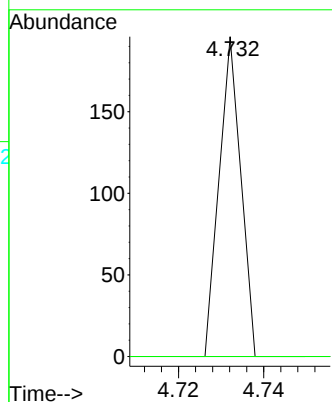
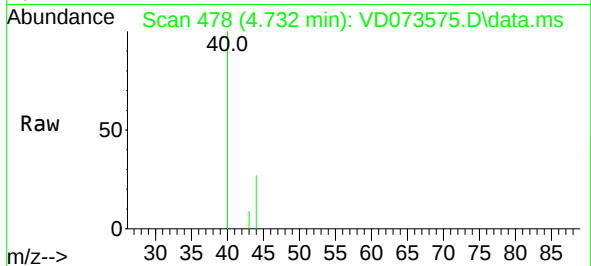




#18
Methyl Acetate
Concen: 1.423 ug/l
RT: 4.732 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

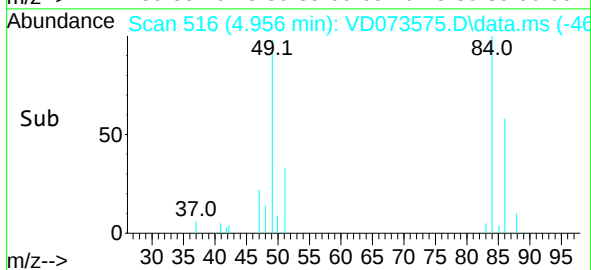
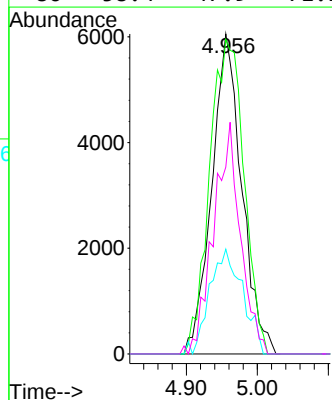
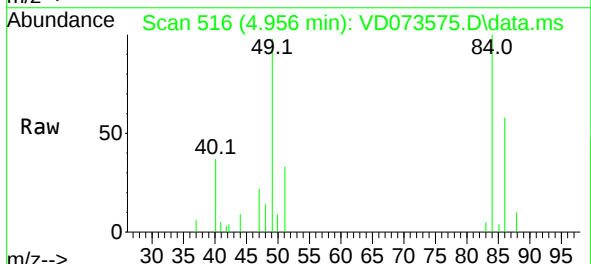
Instrument :
MSVOA_D
ClientSampleId :
30876

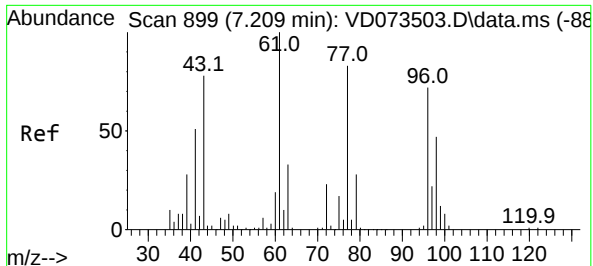
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.334 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 84 Resp: 17723
Ion Ratio Lower Upper
84 100
49 98.3 112.8 169.2#
51 32.7 32.6 48.8
86 58.4 47.9 71.9





#25

2-Butanone

Concen: 2.328 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.030 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

Instrument :

MSVOA_D

ClientSampleId :

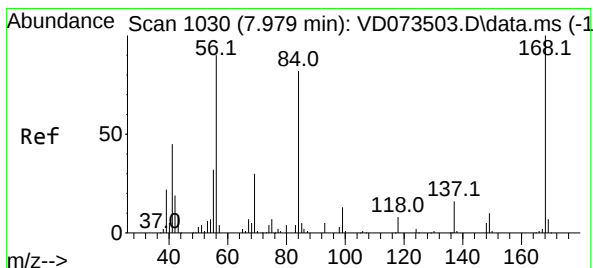
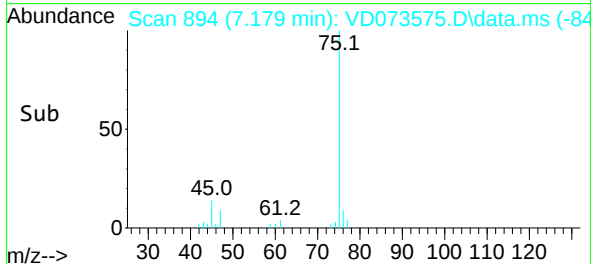
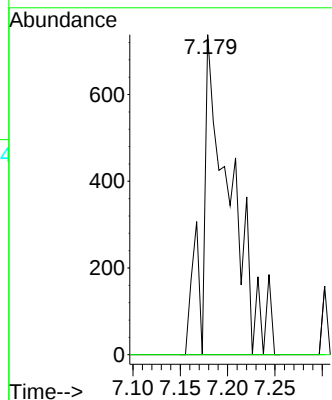
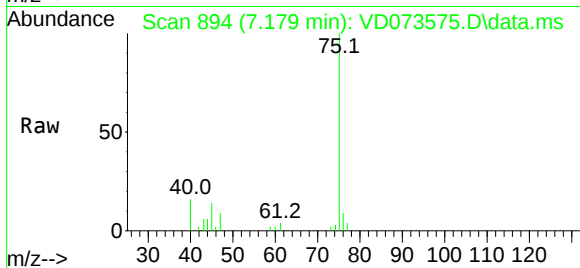
30876

Tgt Ion: 43 Resp: 1518

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

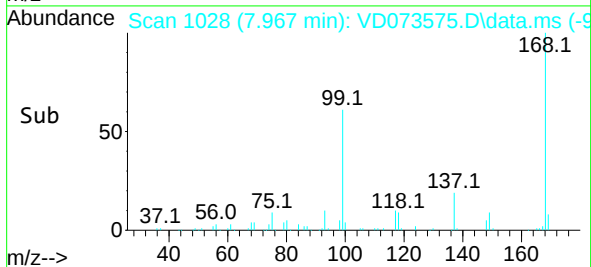
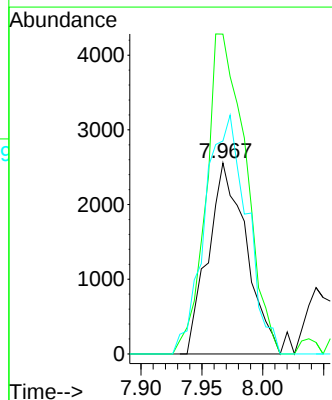
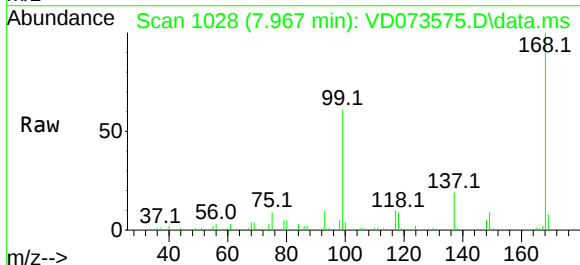
Tgt Ion: 56 Resp: 5548

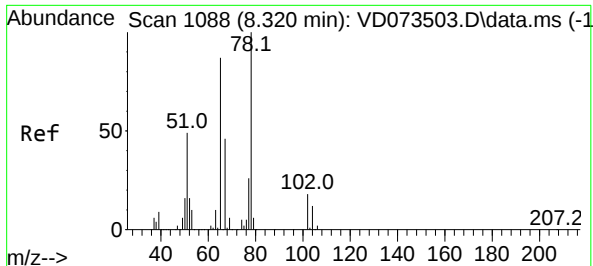
Ion Ratio Lower Upper

56 100

69 167.4 25.4 38.2#

84 111.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.855 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

Instrument :

MSVOA_D

ClientSampleId :

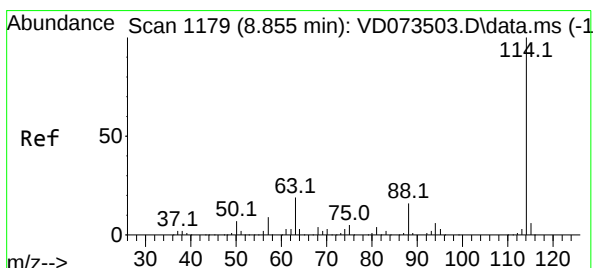
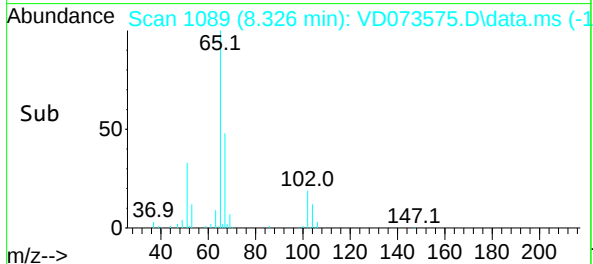
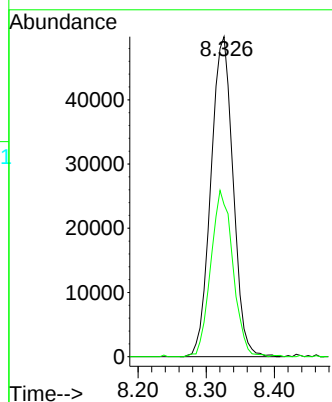
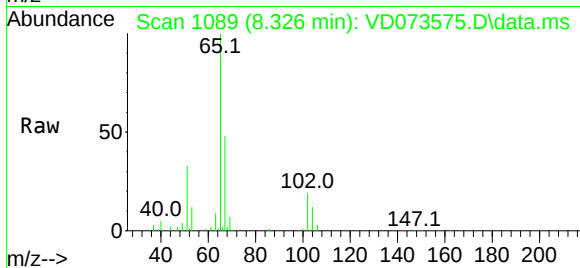
30876

Tgt Ion: 65 Resp: 112878

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

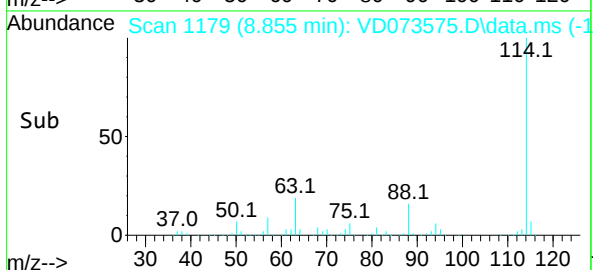
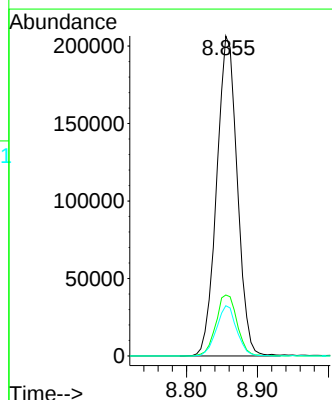
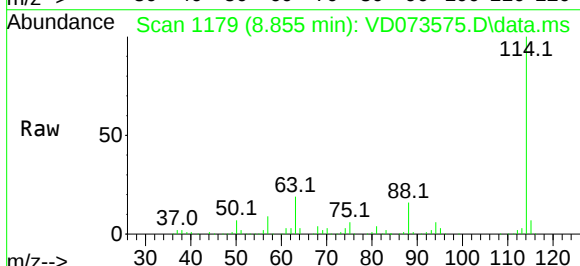
Tgt Ion: 114 Resp: 415124

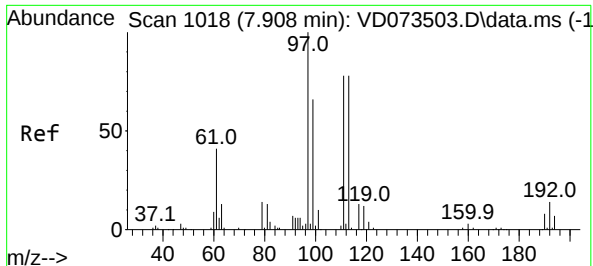
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

Instrument :

MSVOA_D

ClientSampleId :

30876

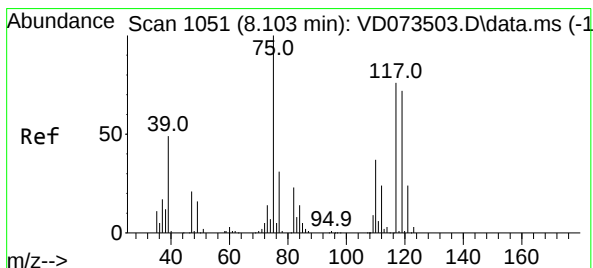
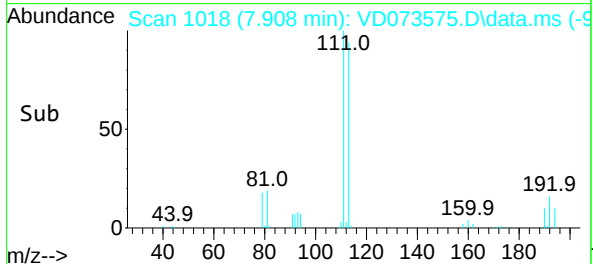
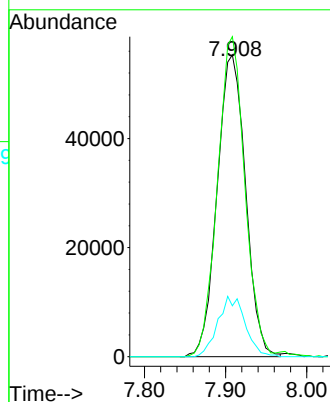
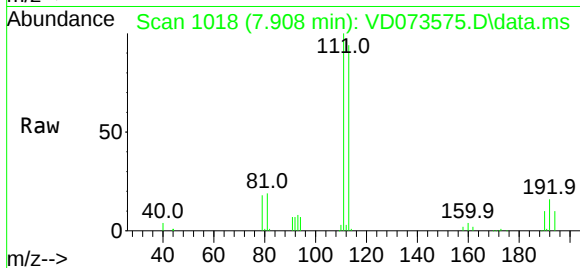
Tgt Ion:113 Resp: 134616

Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 19.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073575.D

Acq: 14 Jun 2022 18:04

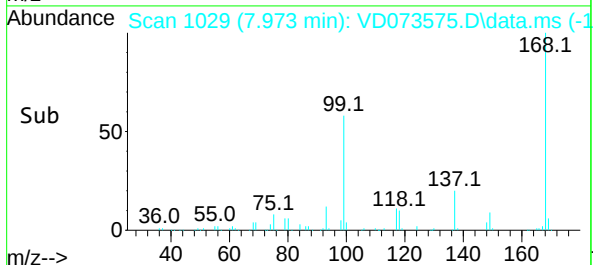
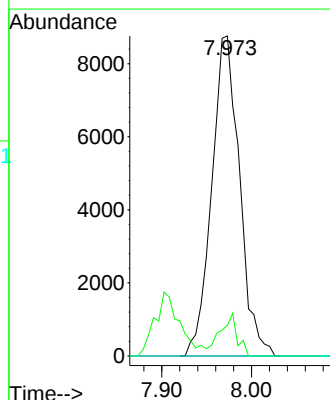
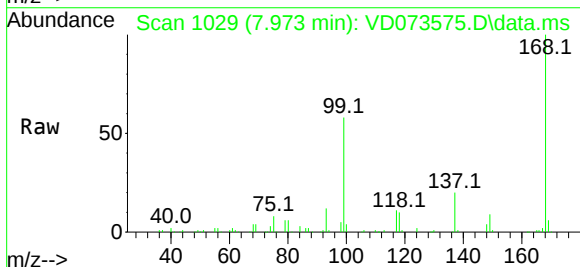
Tgt Ion: 75 Resp: 18849

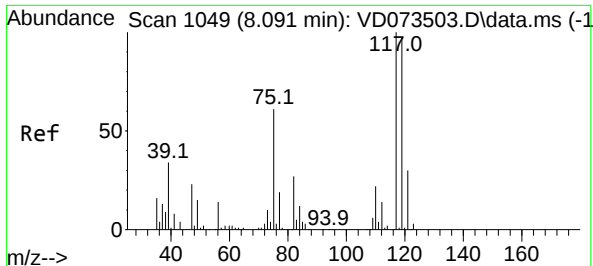
Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

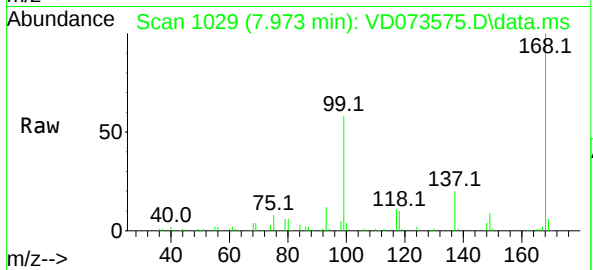
77 0.0 24.2 36.2#



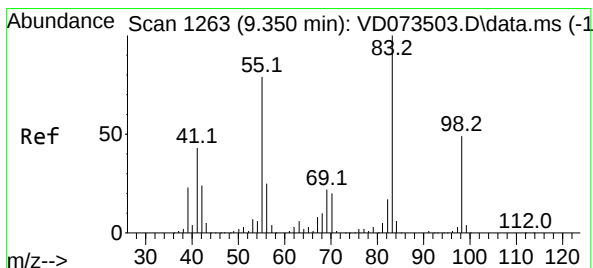
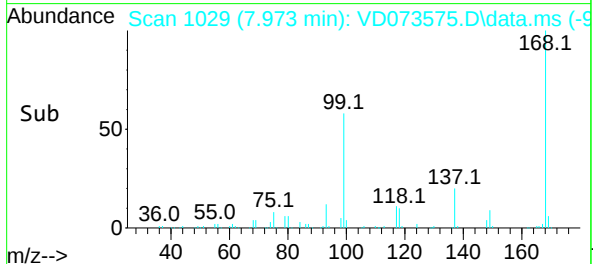
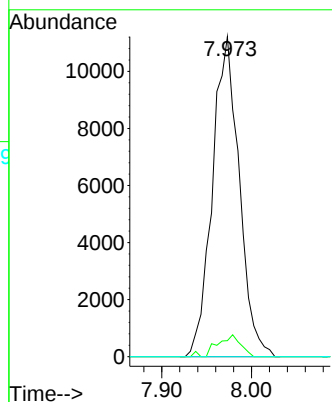


#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Instrument :
MSVOA_D
ClientSampleId :
30876

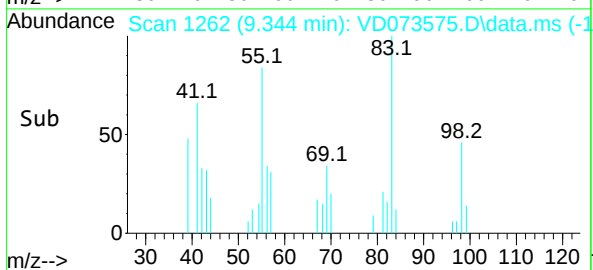
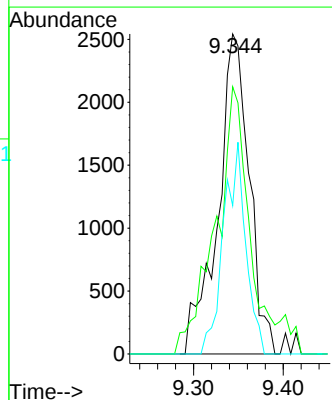
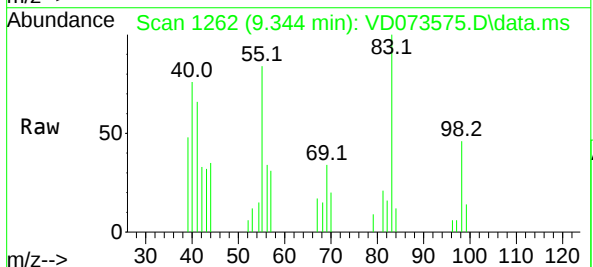


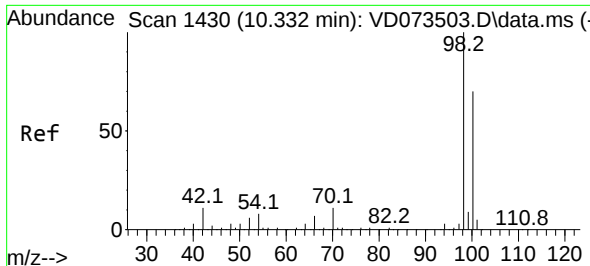
Tgt Ion:117 Resp: 23353
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.316 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 83 Resp: 6150
Ion Ratio Lower Upper
83 100
55 76.8 63.2 94.8
98 46.4 38.2 57.4

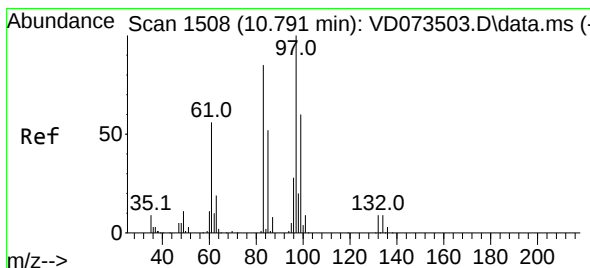
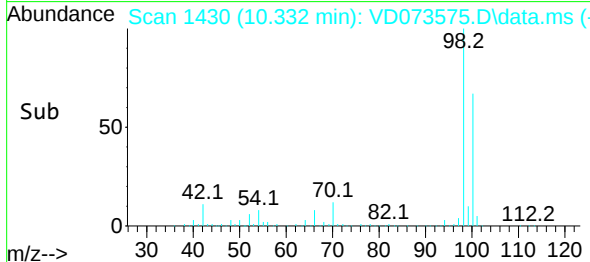
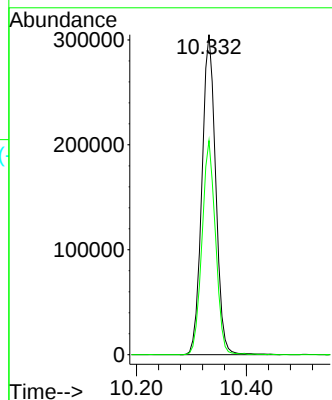
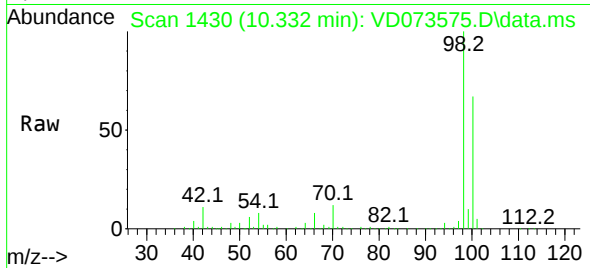




#50
Toluene-d8
Concen: 52.628 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

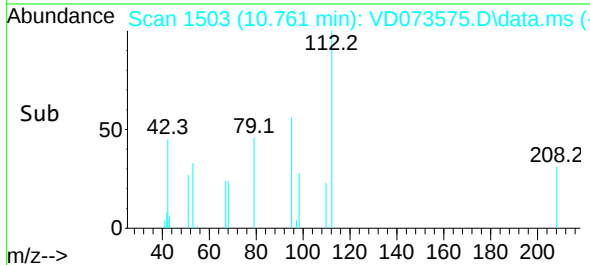
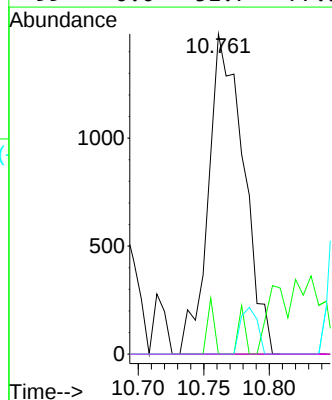
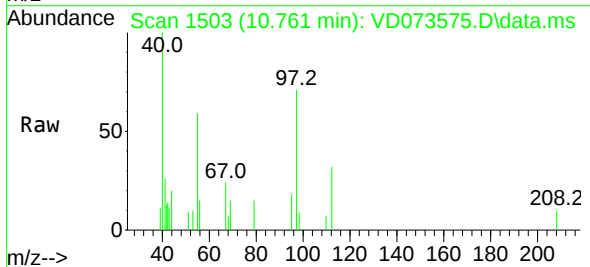
Instrument :
MSVOA_D
ClientSampleId :
30876

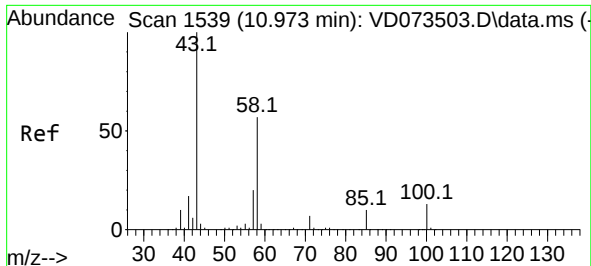
Tgt Ion: 98 Resp: 531164
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 1.193 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 97 Resp: 2768
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 0.0 42.6 63.8#
99 0.0 51.7 77.5#

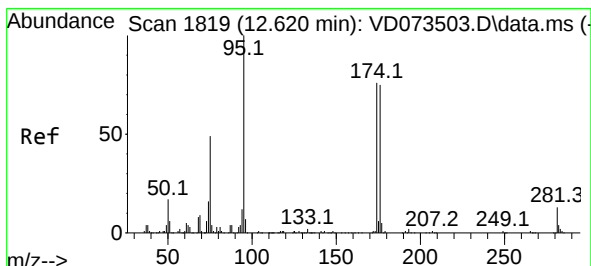
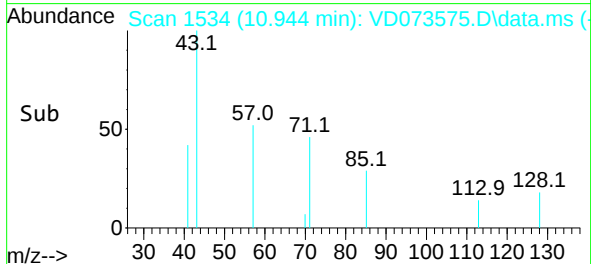
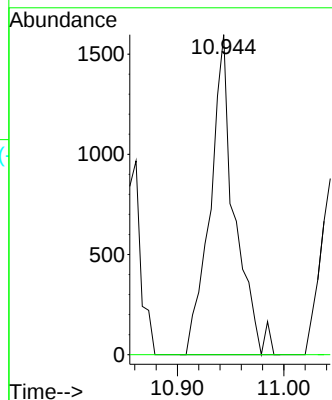
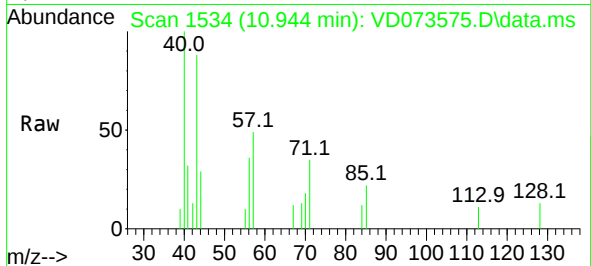




#59
2-Hexanone
Concen: 2.359 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

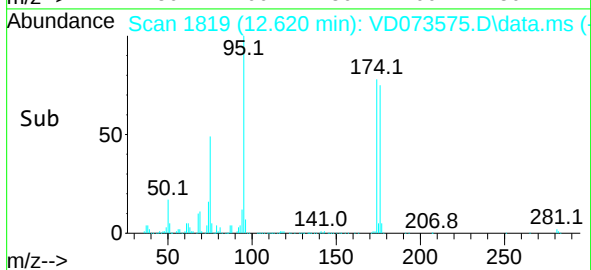
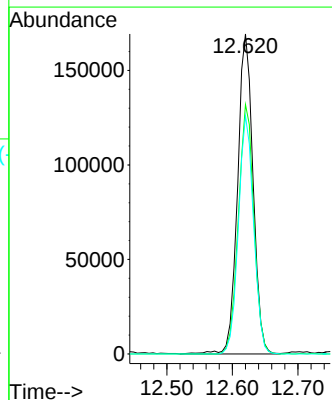
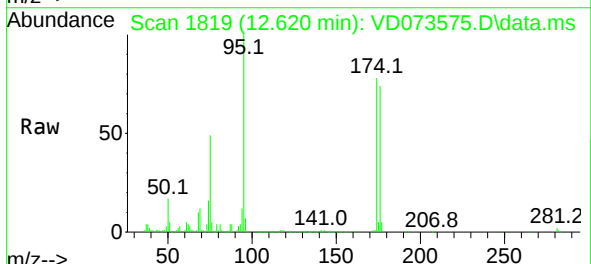
Instrument :
MSVOA_D
ClientSampleId :
30876

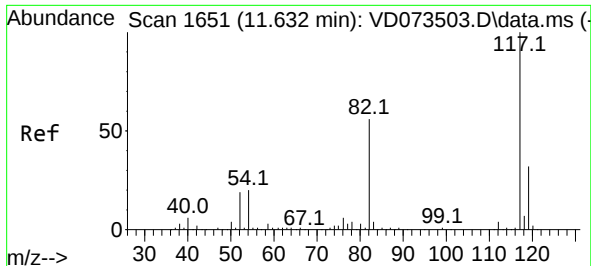
Tgt Ion: 43 Resp: 2547
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 76.031 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 95 Resp: 278572
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 72.9 0.0 145.4

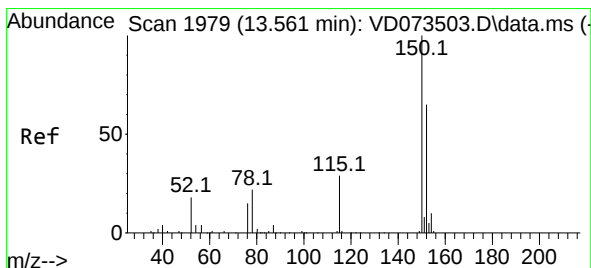
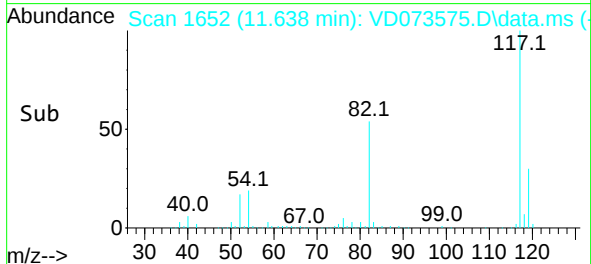
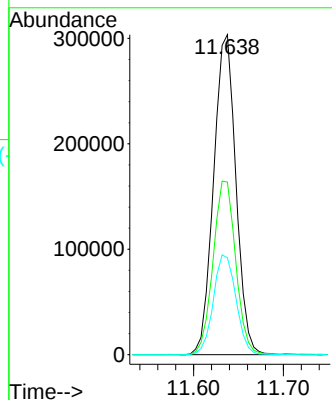
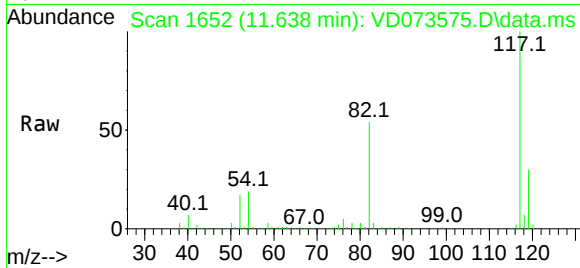




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

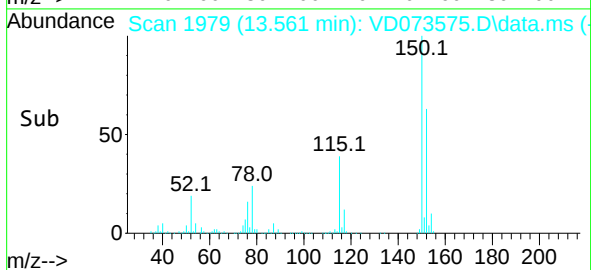
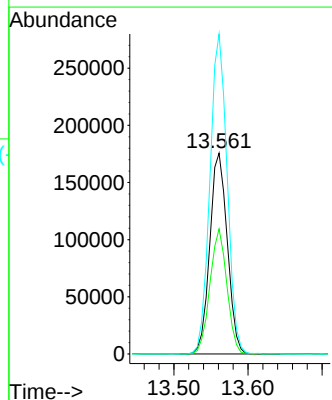
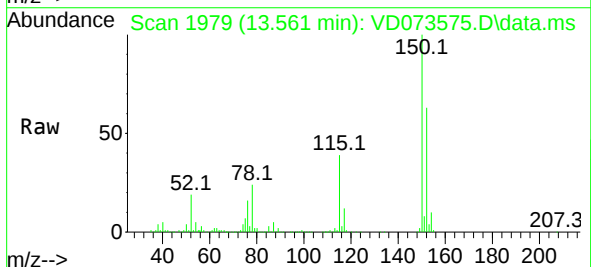
Instrument :
MSVOA_D
ClientSampleId :
30876

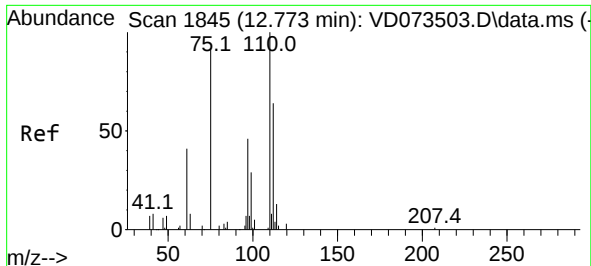
Tgt Ion:117 Resp: 523599
Ion Ratio Lower Upper
117 100
82 54.0 45.3 67.9
119 30.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion:152 Resp: 288536
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 156.1 0.0 348.6

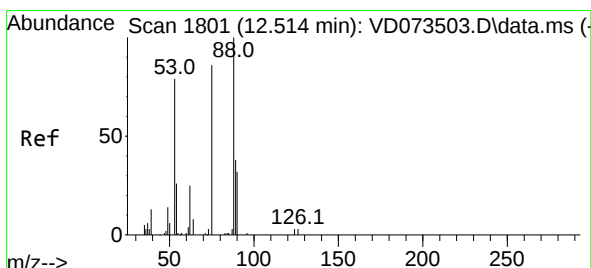
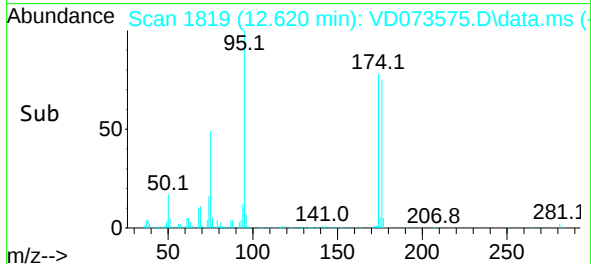
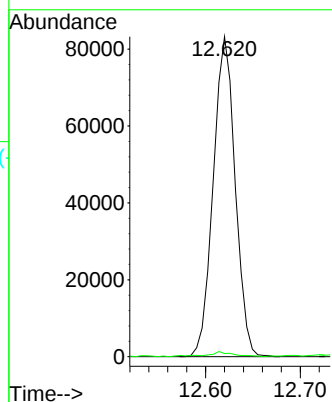
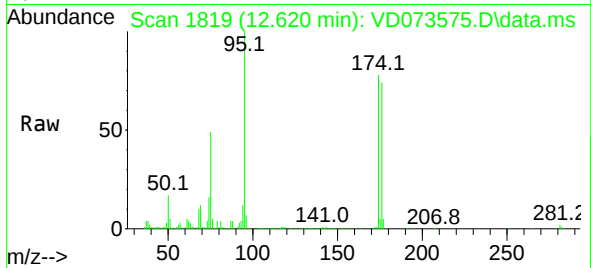




#76
1,2,3-Trichloropropane
Concen: 47.954 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

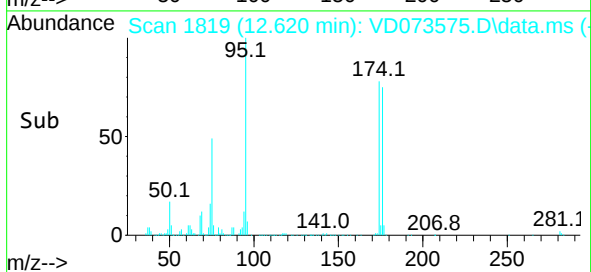
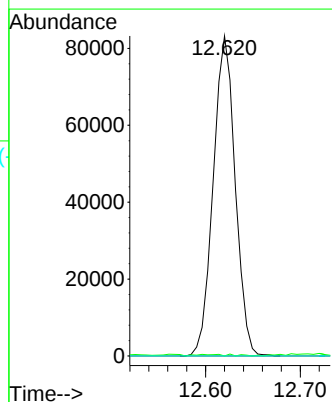
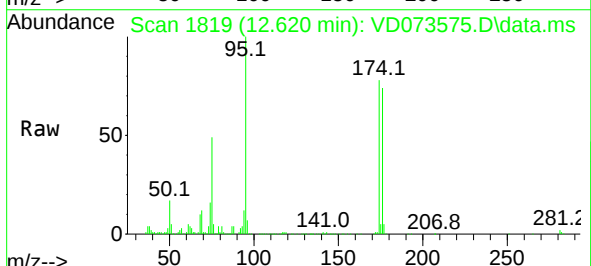
Instrument :
MSVOA_D
ClientSampleId :
30876

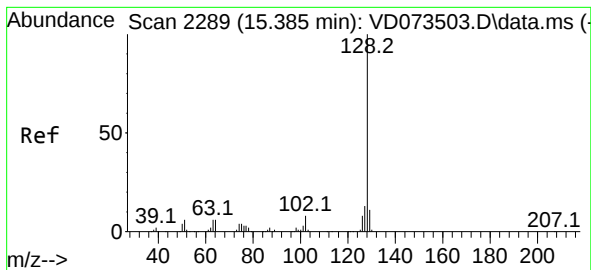
Tgt Ion: 75 Resp: 134417
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.557 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 75 Resp: 134417
Ion Ratio Lower Upper
75 100
53 0.5 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.318 ug/l
RT: 15.367 min Scan# 21
Delta R.T. -0.018 min
Lab File: VD073575.D
Acq: 14 Jun 2022 18:04

Instrument :
MSVOA_D
ClientSampleId :
30876

Tgt Ion:128 Resp: 1300
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

