

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080822\
 Data File : VD073977.D
 Acq On : 08 Aug 2022 17:23
 Operator : VA/SY
 Sample : N3995-03
 Misc : 4.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

Quant Time: Aug 08 18:18:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:36:42 2022
 Response via : Initial Calibration

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

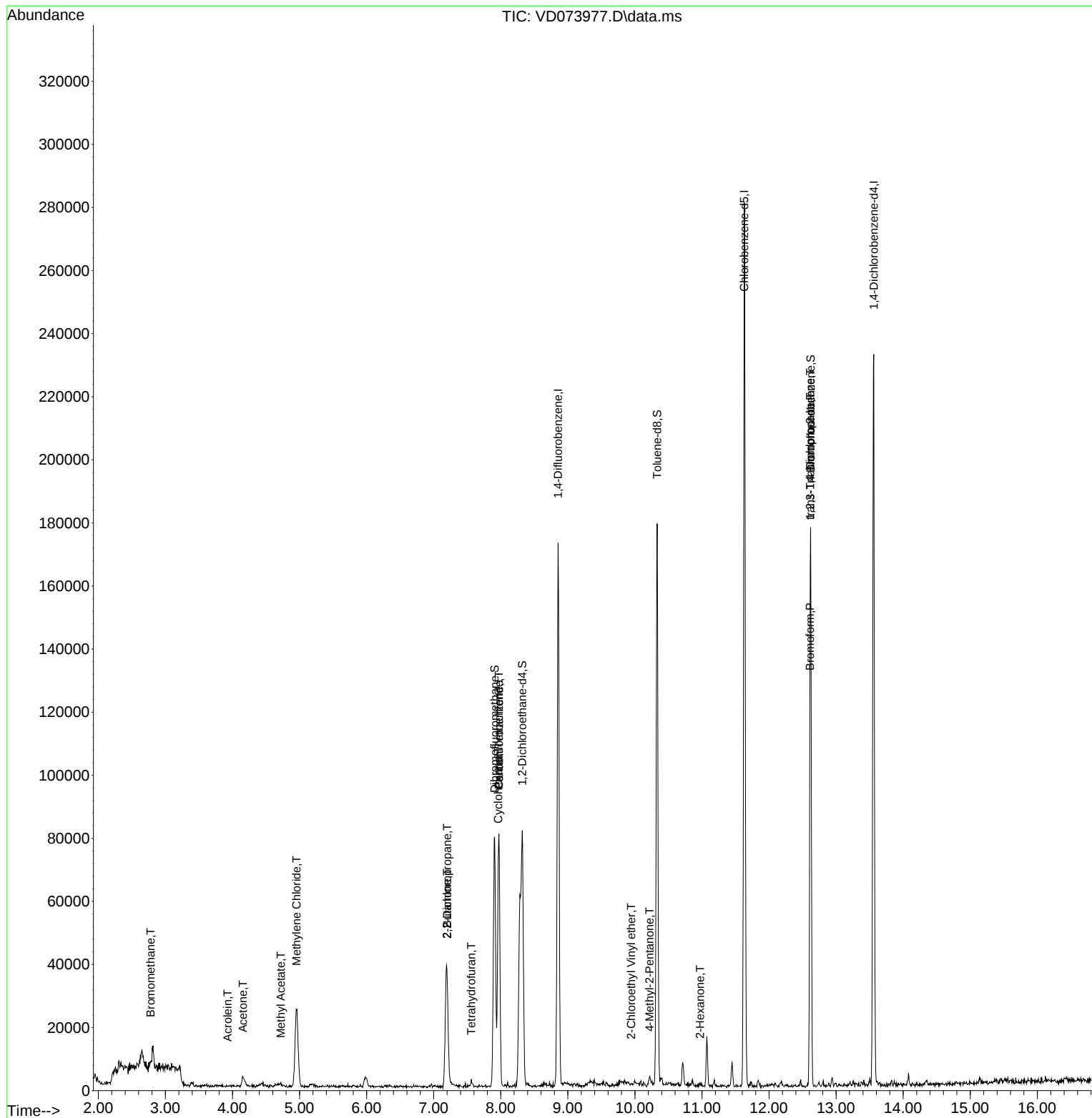
Internal Standards						
1) Pentafluorobenzene	7.973	168	58403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	143895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	156293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	60967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	57262	140.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 280.500%#	
35) Dibromofluoromethane	7.908	113	55350	62.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.880%	
50) Toluene-d8	10.332	98	120112	49.161	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.620	95	52534	44.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	752	Below Cal		96
5) Bromomethane	2.779	94	1295	1.619 ug/l	#	22
11) Tert butyl alcohol	5.220	59	435	Below Cal	#	86
13) Acrolein	3.926	56	54	32.879 ug/l	#	15
16) Acetone	4.156	43	6165	50.606 ug/l		98
18) Methyl Acetate	4.720	43	1997	4.566 ug/l	#	84
20) Methylene Chloride	4.956	84	19697	22.182 ug/l		93
25) 2-Butanone	7.203	43	4180	27.954 ug/l	#	71
26) 2,2-Dichloropropane	7.203	77	3223	2.984 ug/l	#	54
29) Tetrahydrofuran	7.561	42	1073	12.149 ug/l	#	60
31) Cyclohexane	7.961	56	2201	2.213 ug/l	#	53
38) Carbon Tetrachloride	7.973	117	6620	4.247 ug/l	#	13
51) 4-Methyl-2-Pentanone	10.220	43	1255	2.480 ug/l	#	79
58) 2-Chloroethyl Vinyl ether	9.944	63	103	17.331 ug/l	#	43
59) 2-Hexanone	10.973	43	511	1.525 ug/l	#	24
71) Bromoform	12.608	173	730	1.058 ug/l	#	1
76) 1,2,3-Trichloropropane	12.614	75	28486	50.704 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.614	75	28486	127.298 ug/l	#	11

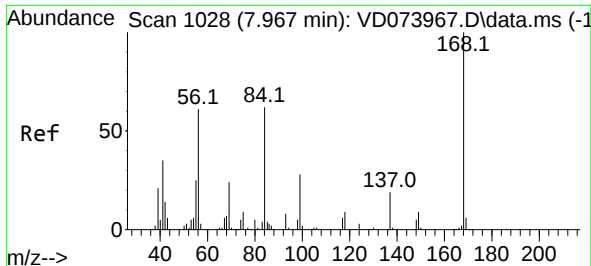
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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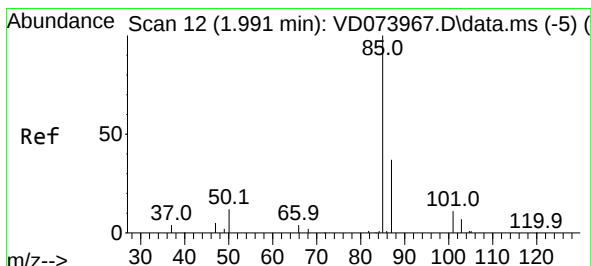
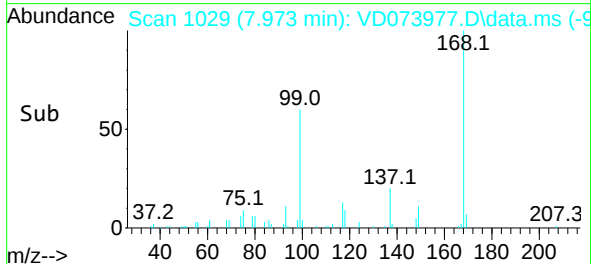
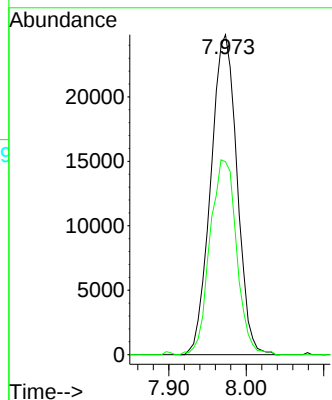
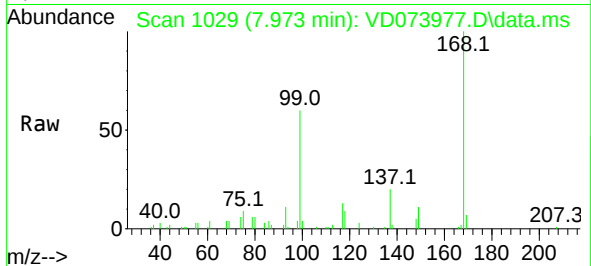




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

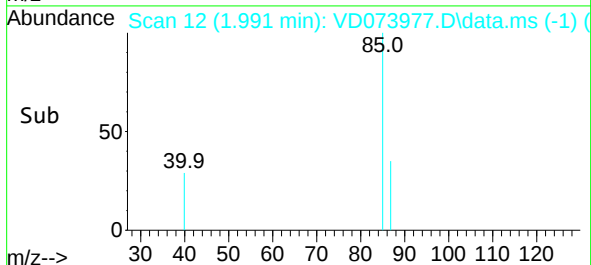
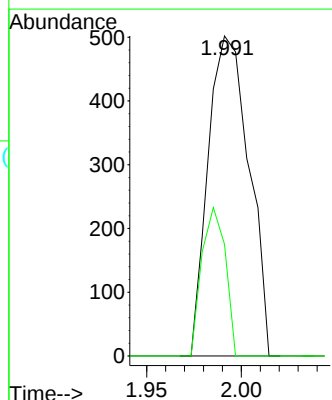
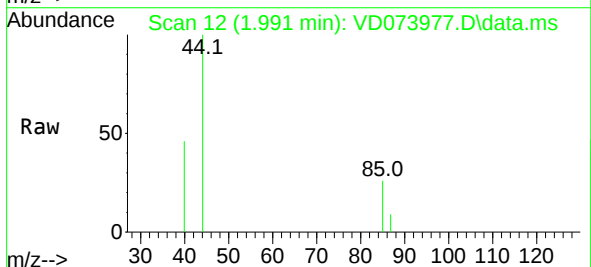
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

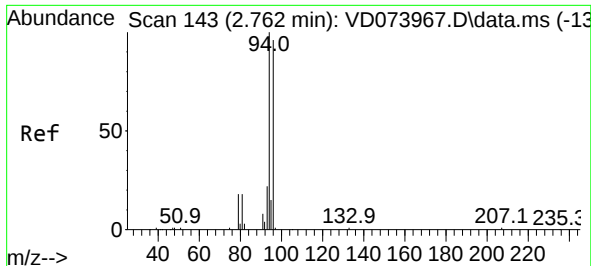
Tgt Ion:168 Resp: 58403
Ion Ratio Lower Upper
168 100
99 60.3 46.2 69.4



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 85 Resp: 752
Ion Ratio Lower Upper
85 100
87 34.9 18.7 56.1

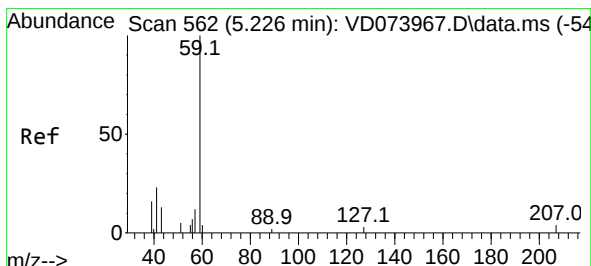
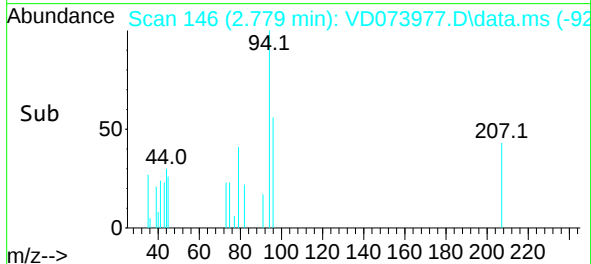
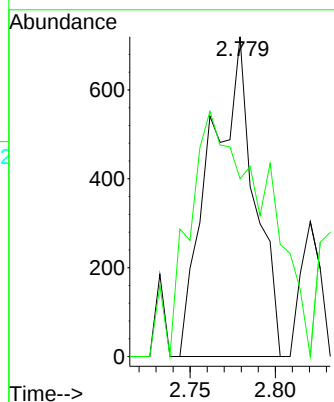
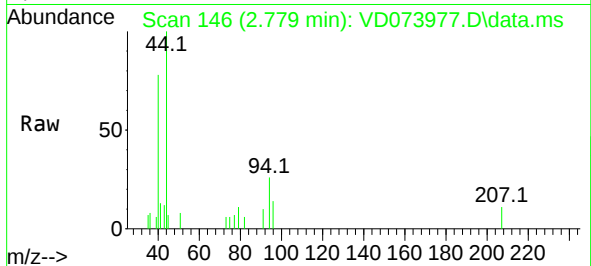




#5
Bromomethane
Concen: 1.619 ug/l
RT: 2.779 min Scan# 143
Delta R.T. 0.018 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

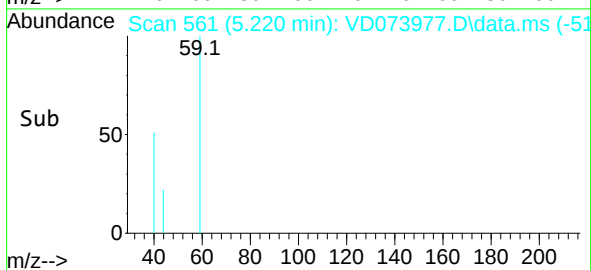
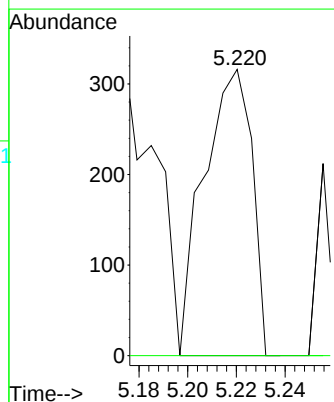
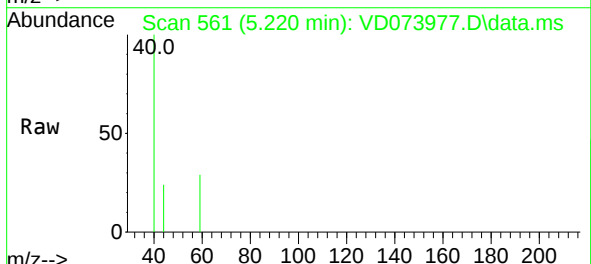
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

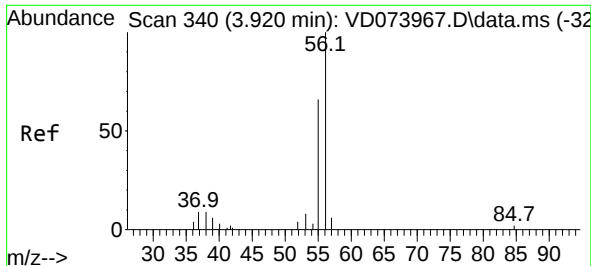
Tgt Ion: 94 Resp: 1295
Ion Ratio Lower Upper
94 100
96 20.4 77.0 115.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 0.0 3.8 5.6#





#13

Acrolein

Concen: 32.879 ug/l

RT: 3.926 min Scan# 341

Delta R.T. 0.006 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

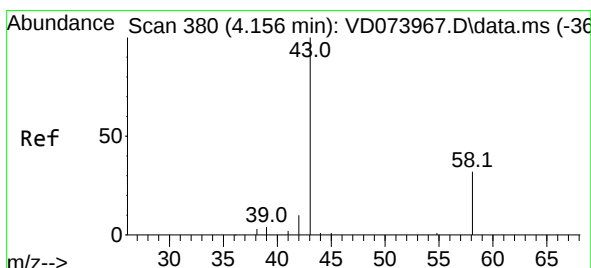
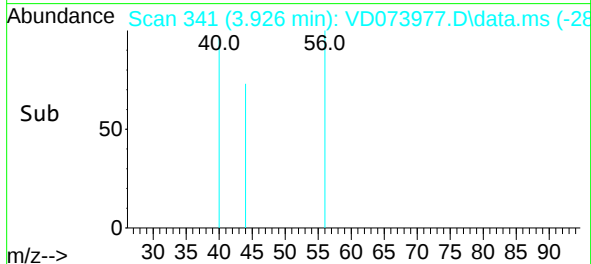
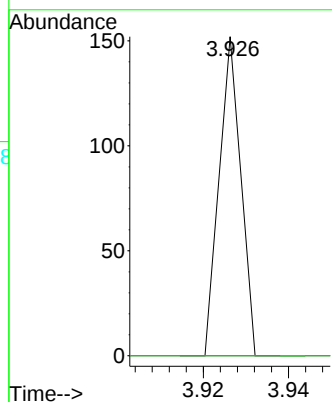
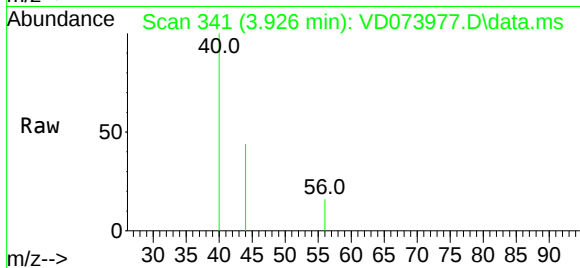
COMP-3

Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



#16

Acetone

Concen: 50.606 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073977.D

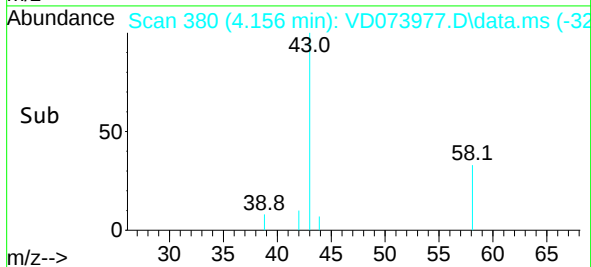
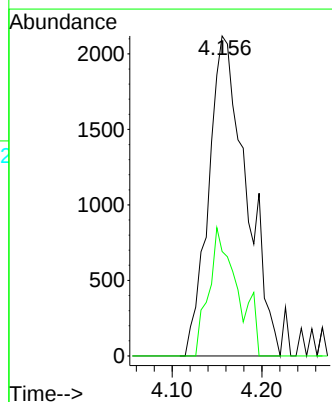
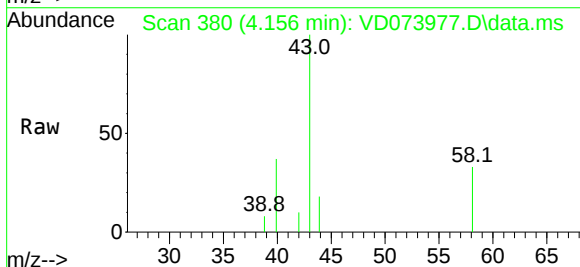
Acq: 08 Aug 2022 17:23

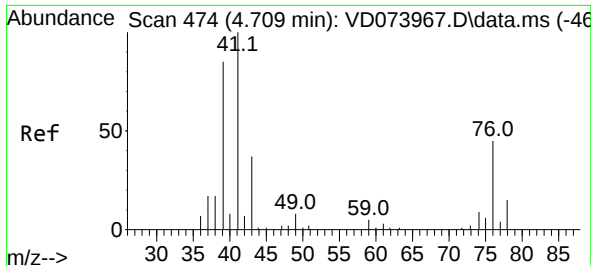
Tgt Ion: 43 Resp: 6165

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.0

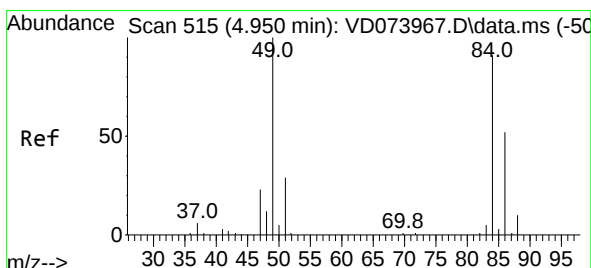
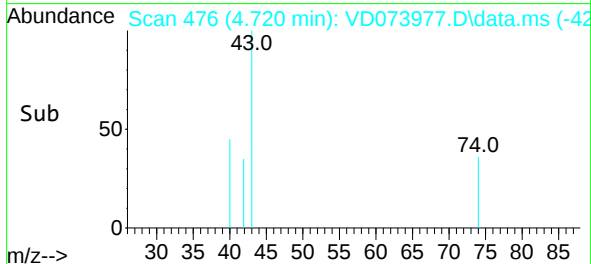
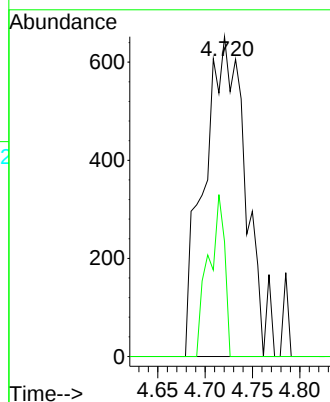
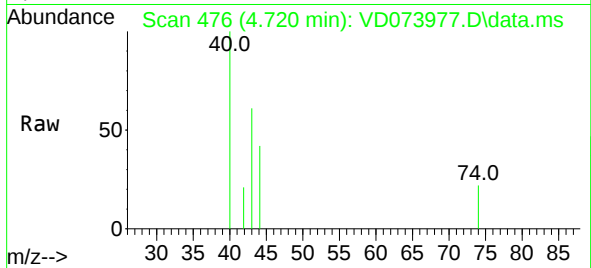




#18
Methyl Acetate
Concen: 4.566 ug/l
RT: 4.720 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

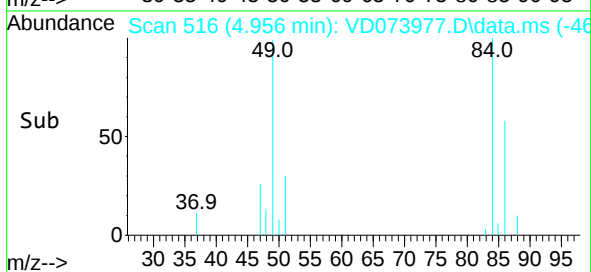
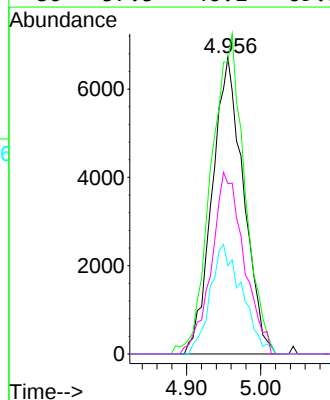
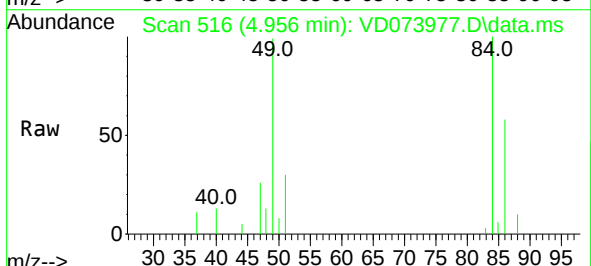
Instrument :
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ClientSampleId :
COMP-3

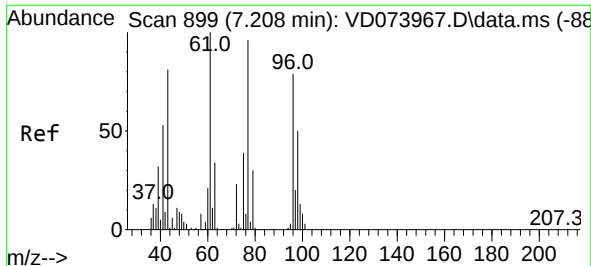
Tgt Ion: 43 Resp: 1997
Ion Ratio Lower Upper
43 100
74 19.5 22.1 33.1#



#20
Methylene Chloride
Concen: 22.182 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 84 Resp: 19697
Ion Ratio Lower Upper
84 100
49 98.6 87.9 131.9
51 29.9 25.7 38.5
86 57.5 46.1 69.1

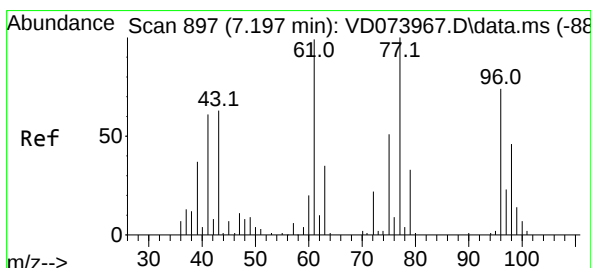
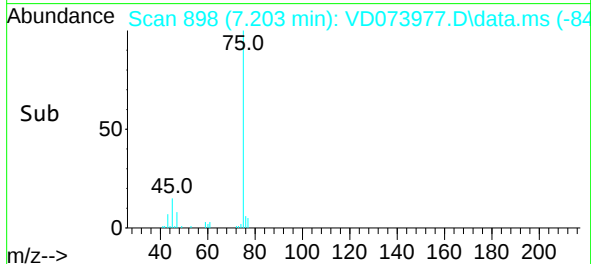
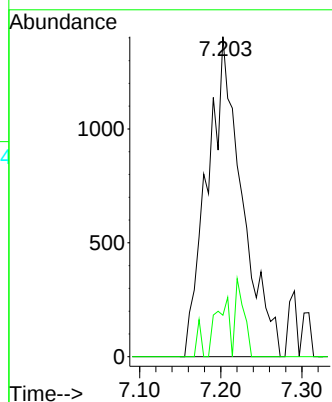
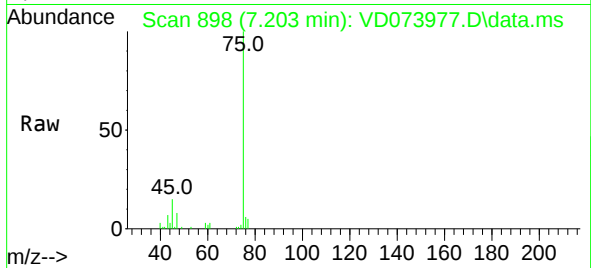




#25
2-Butanone
Concen: 27.954 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

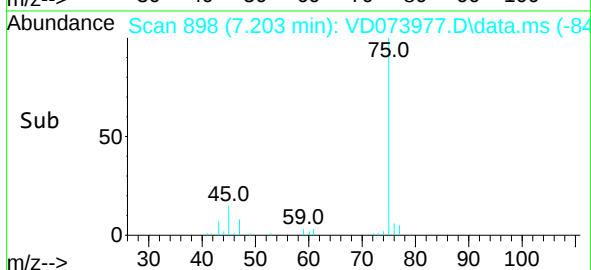
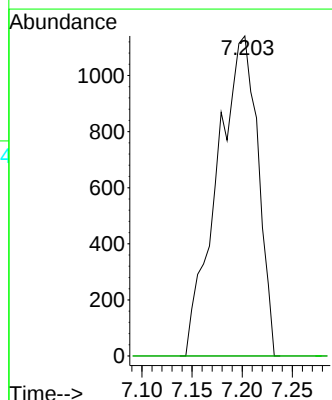
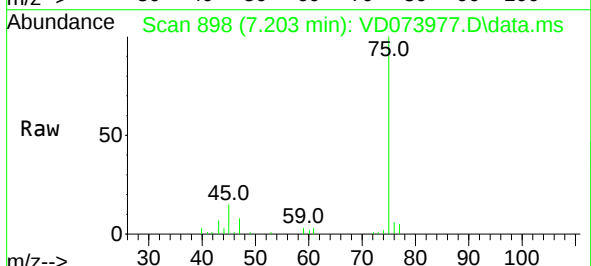
Instrument :
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ClientSampleId :
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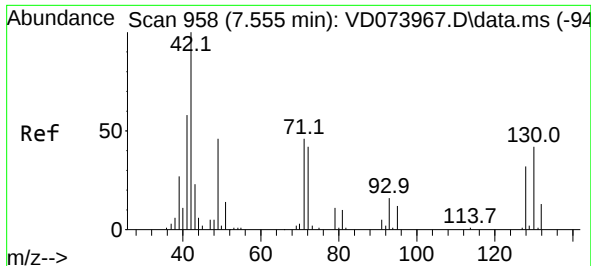
Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
72 13.0 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 2.984 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 77 Resp: 3223
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#





#29

Tetrahydrofuran

Concen: 12.149 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

COMP-3

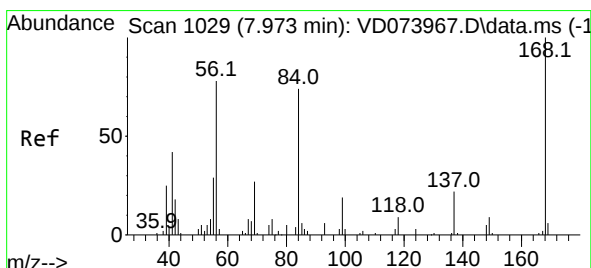
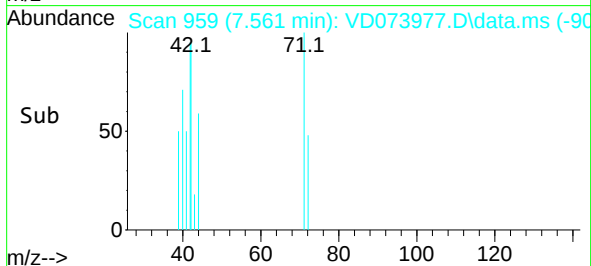
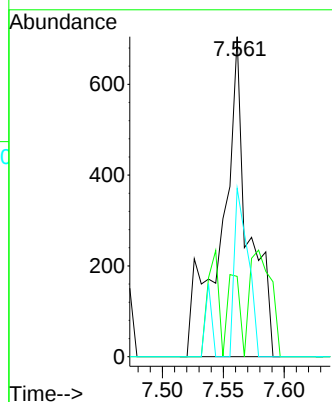
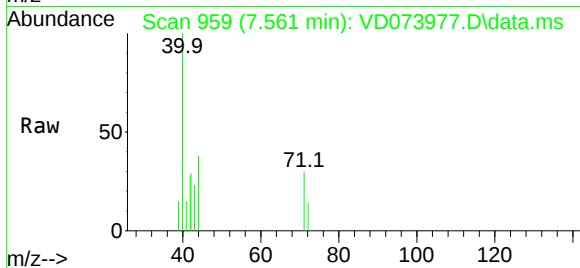
Tgt Ion: 42 Resp: 1073

Ion Ratio Lower Upper

42 100

72 11.7 37.0 55.6#

71 27.1 36.9 55.3#



#31

Cyclohexane

Concen: 2.213 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.012 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

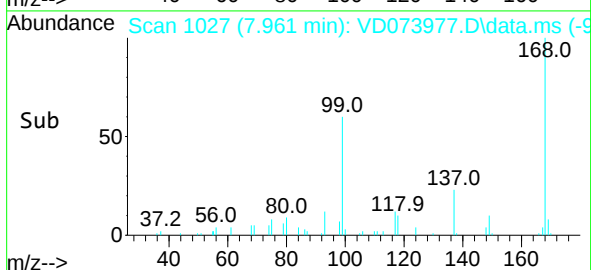
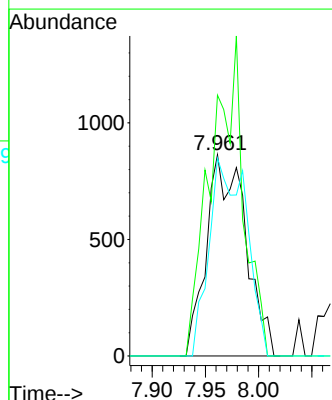
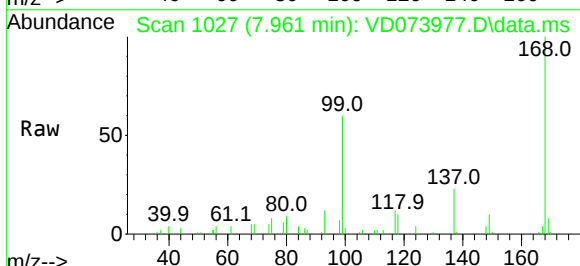
Tgt Ion: 56 Resp: 2201

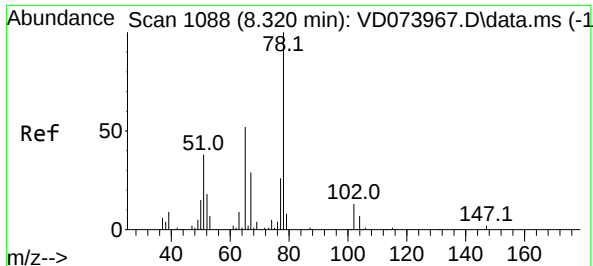
Ion Ratio Lower Upper

56 100

69 129.5 27.6 41.4#

84 98.3 75.4 113.0





#33

1,2-Dichloroethane-d4

Concen: 140.248 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073977.D

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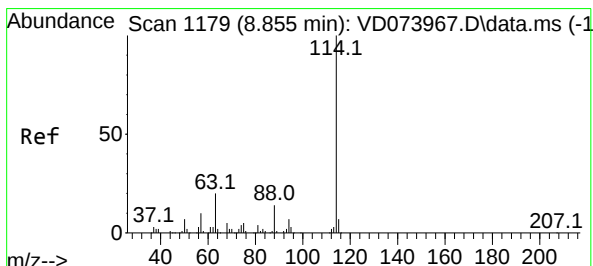
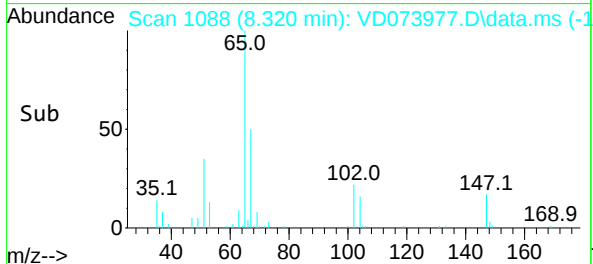
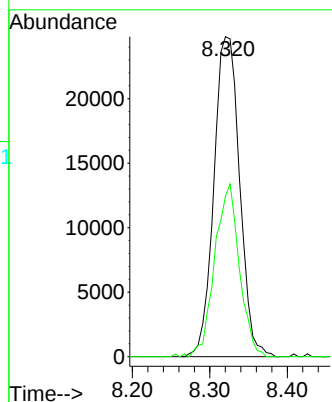
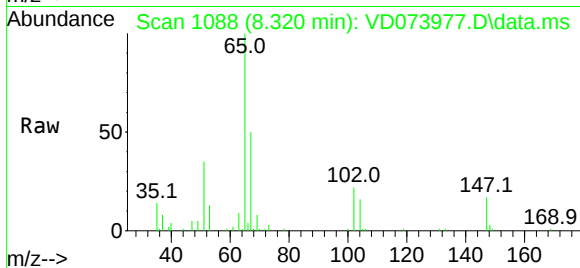
COMP-3

Tgt Ion: 65 Resp: 57262

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

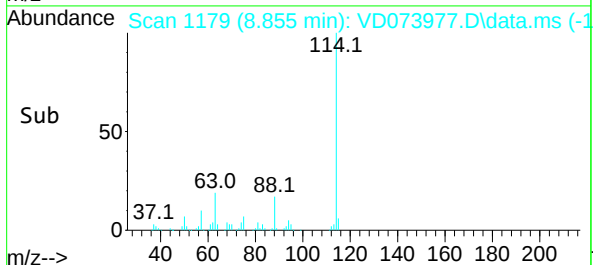
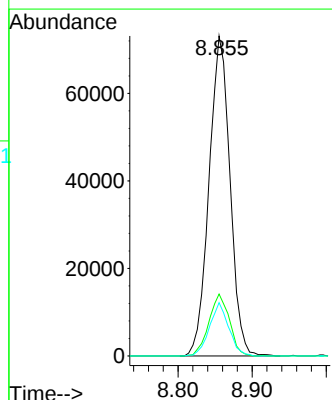
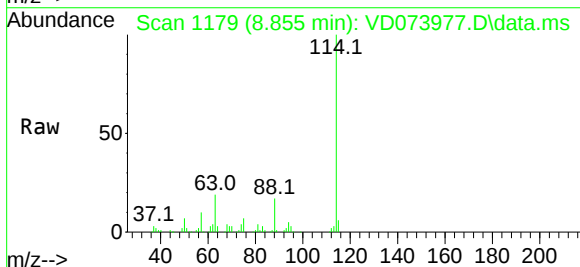
Tgt Ion: 114 Resp: 143895

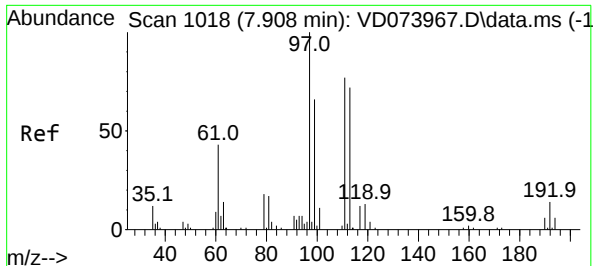
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

88 16.6 0.0 28.0





#35

Dibromofluoromethane

Concen: 62.436 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073977.D

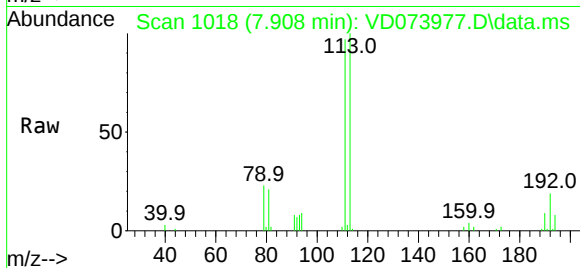
Acq: 08 Aug 2022 17:23

Instrument :

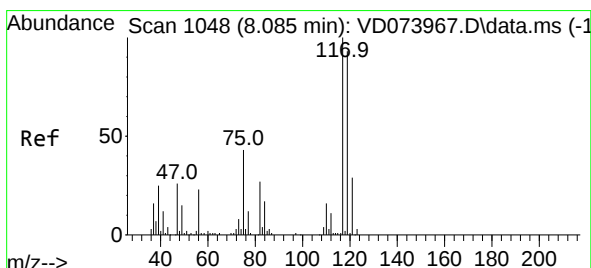
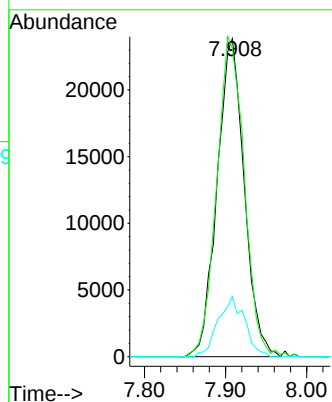
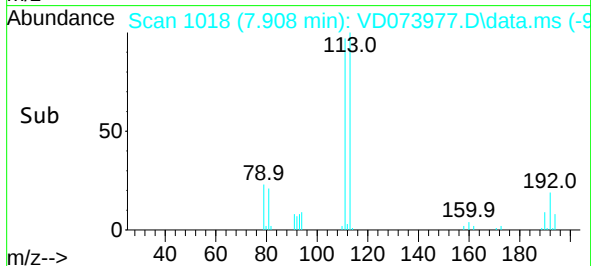
MSVOA_D

ClientSampleId :

COMP-3



Tgt Ion:	113	Resp:	55350
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	18.6	14.8	22.2



#38

Carbon Tetrachloride

Concen: 4.247 ug/l

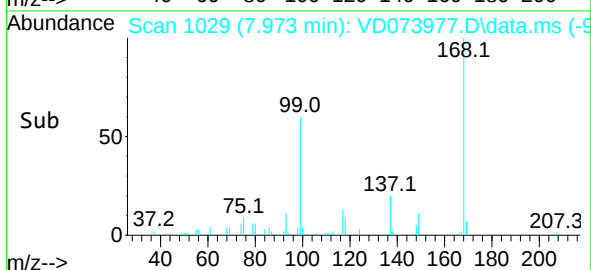
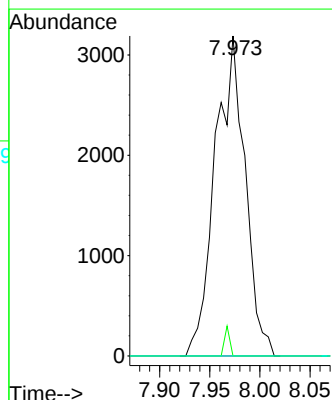
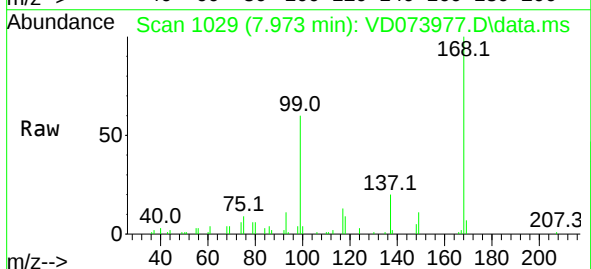
RT: 7.973 min Scan# 1029

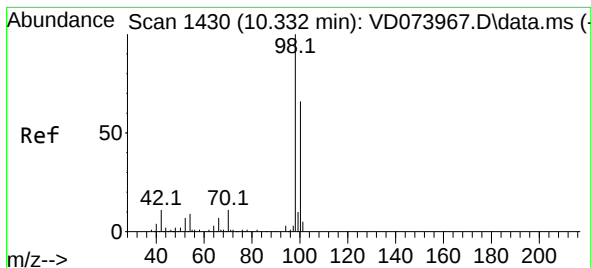
Delta R.T. -0.112 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

Tgt Ion:	117	Resp:	6620
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.7	112.1#
121	0.0	23.4	35.0#





#50

Toluene-d8

Concen: 49.161 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073977.D

Acq: 08 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

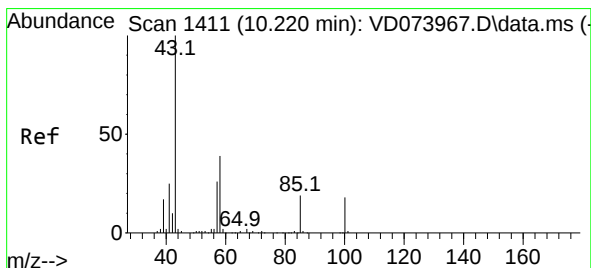
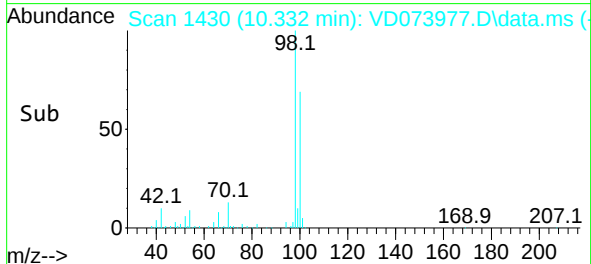
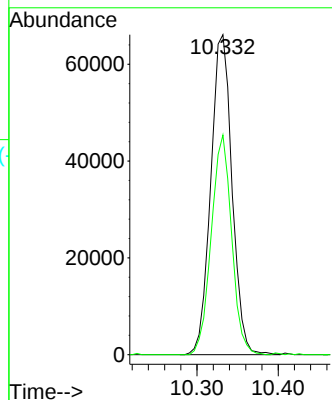
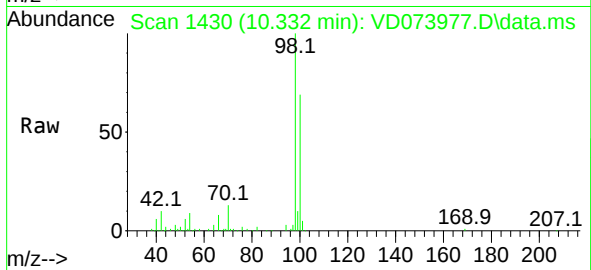
COMP-3

Tgt Ion: 98 Resp: 120112

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 2.480 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD073977.D

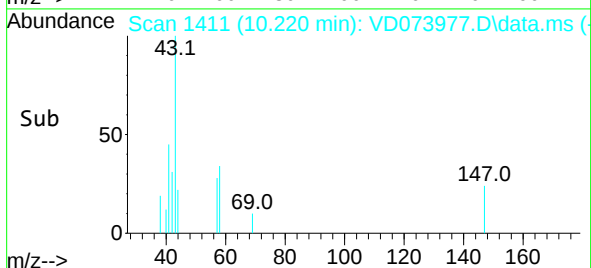
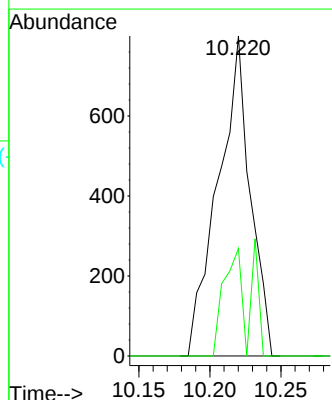
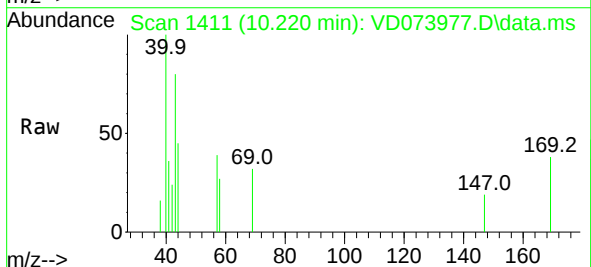
Acq: 08 Aug 2022 17:23

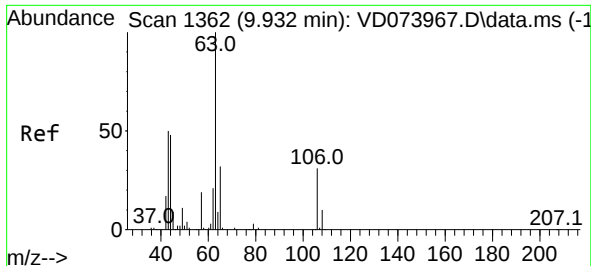
Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

58 26.9 31.6 47.4#

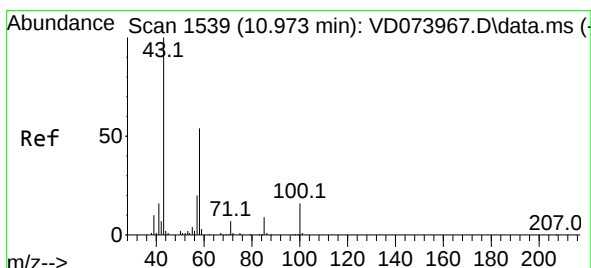
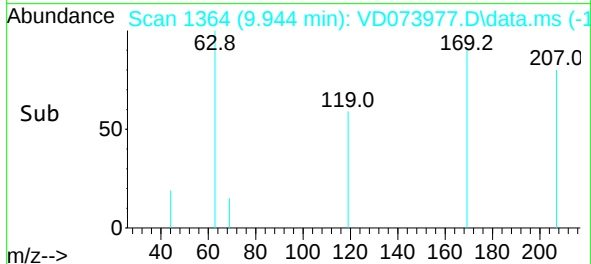
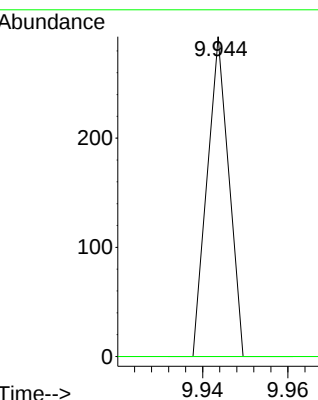
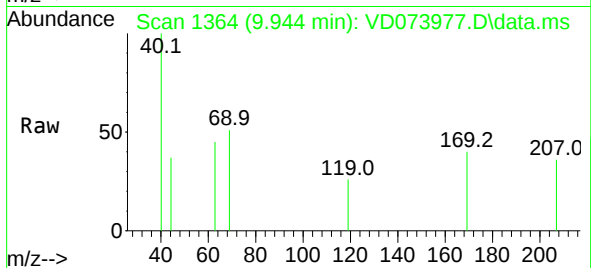




#58
2-Chloroethyl Vinyl ether
Concen: 17.331 ug/l
RT: 9.944 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

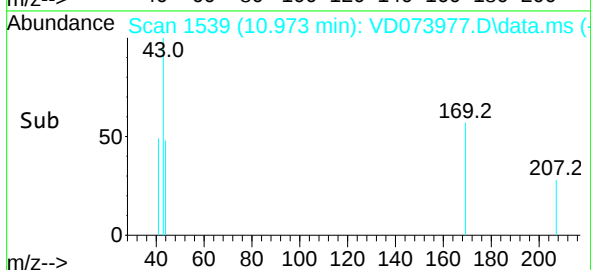
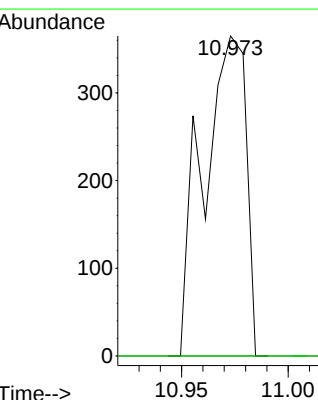
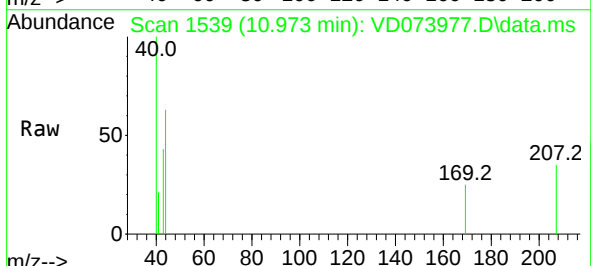
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

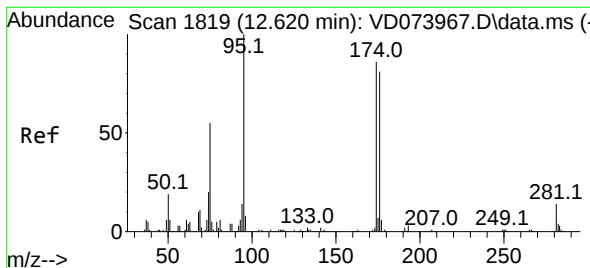
Tgt Ion: 63 Resp: 103
Ion Ratio Lower Upper
63 100
106 0.0 25.2 37.8#



#59
2-Hexanone
Concen: 1.525 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#

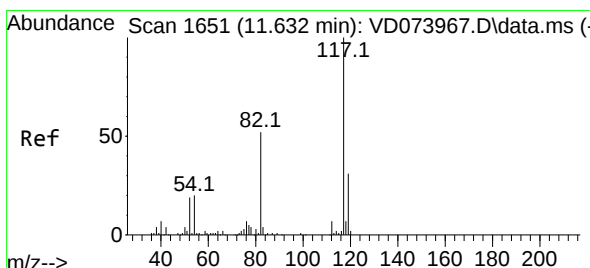
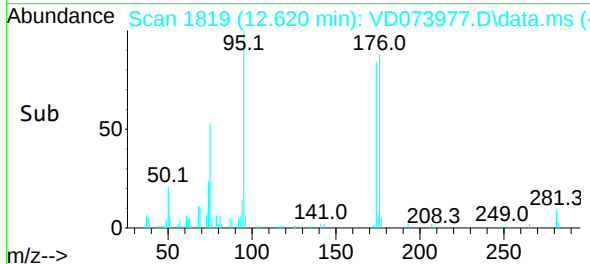
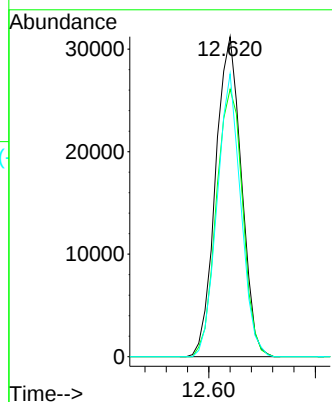
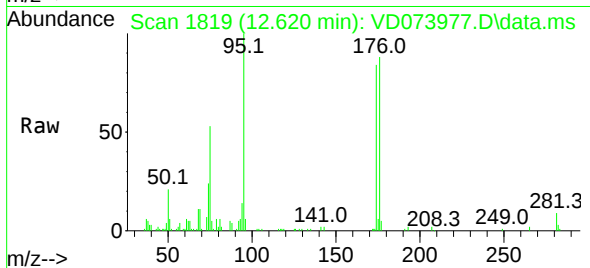




#62
4-Bromofluorobenzene
Concen: 44.465 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

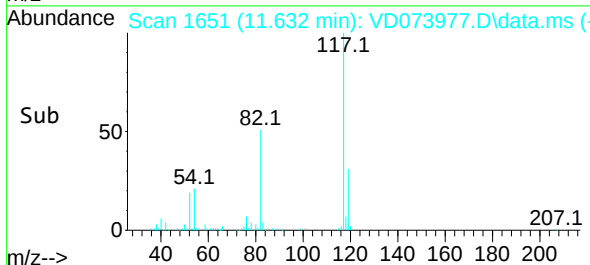
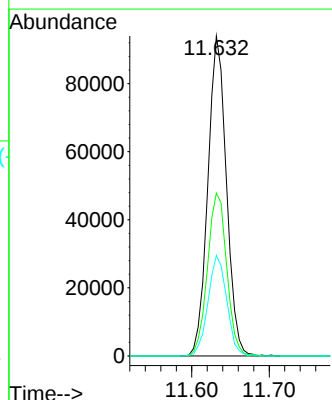
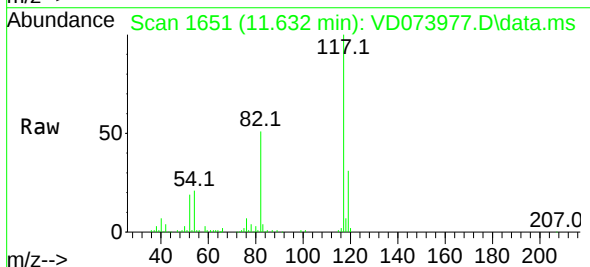
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

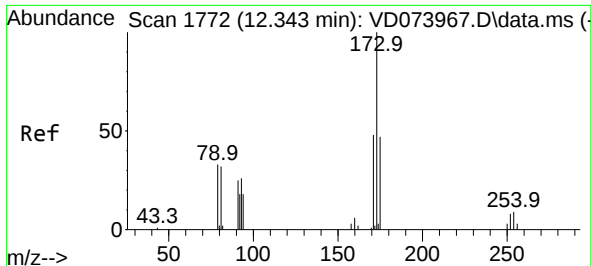
Tgt Ion: 95 Resp: 52534
Ion Ratio Lower Upper
95 100
174 85.1 0.0 163.0
176 80.8 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 117 Resp: 156293
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 31.4 24.8 37.2

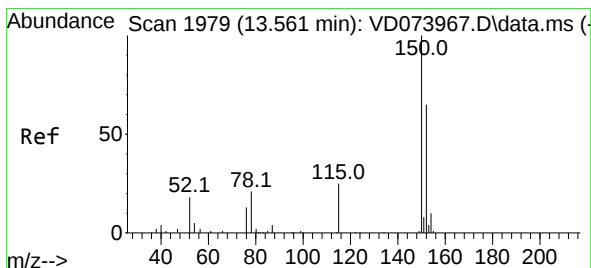
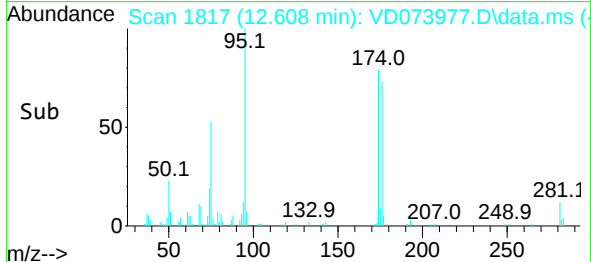
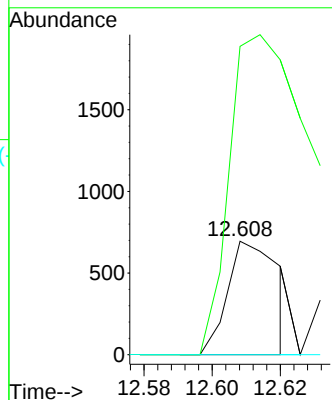
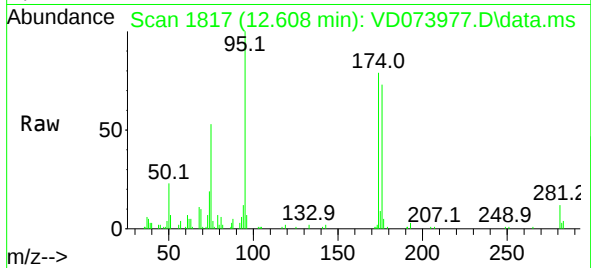




#71
Bromoform
Concen: 1.058 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. 0.265 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

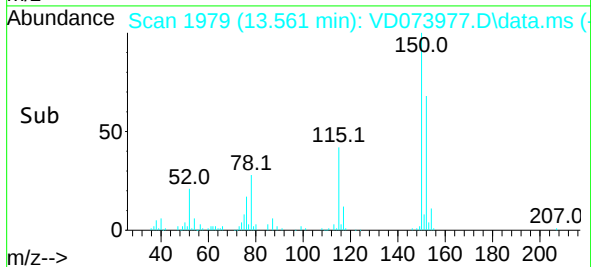
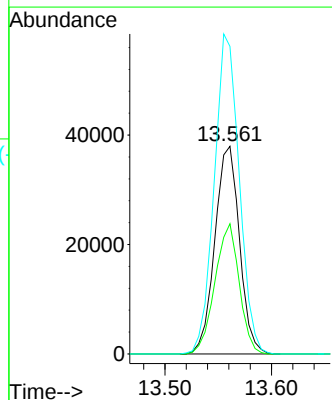
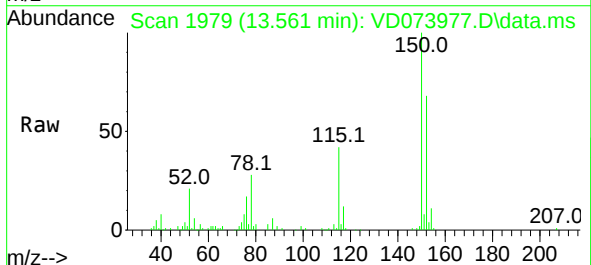
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

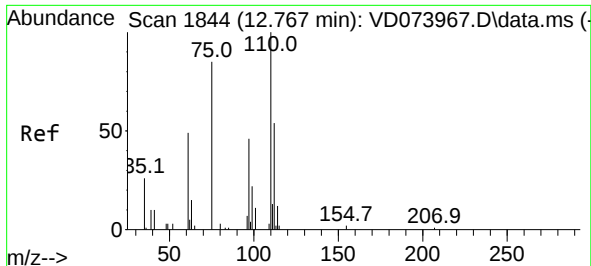
Tgt Ion:173 Resp: 730
Ion Ratio Lower Upper
173 100
175 297.9 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion:152 Resp: 60967
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.3
150 156.4 0.0 357.2

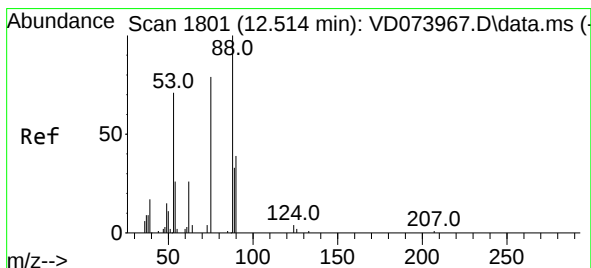
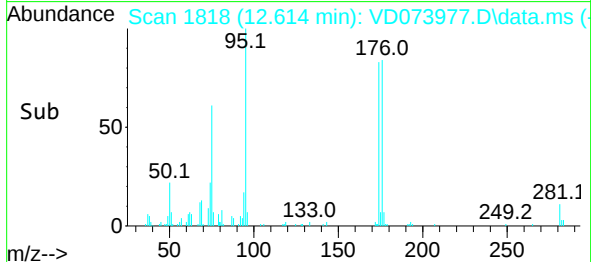
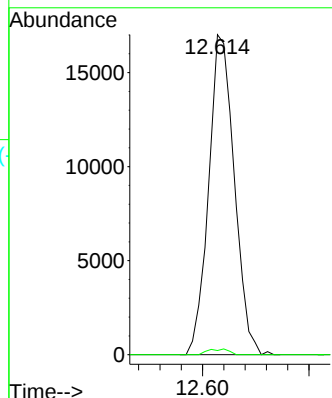
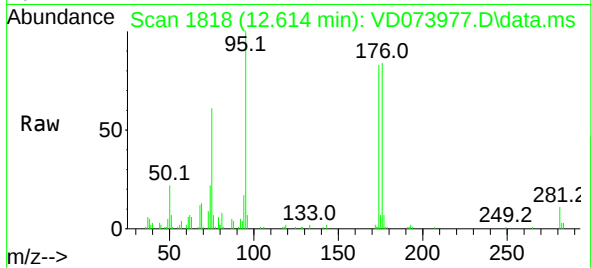




#76
1,2,3-Trichloropropane
Concen: 50.704 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
COMP-3

Tgt Ion: 75 Resp: 28486
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.298 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073977.D
Acq: 08 Aug 2022 17:23

Tgt Ion: 75 Resp: 28486
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 37.8 56.8#

