

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074103.D
 Acq On : 16 Aug 2022 15:57
 Operator : VA/SY
 Sample : VD0816SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBL01

Quant Time: Aug 16 17:42:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

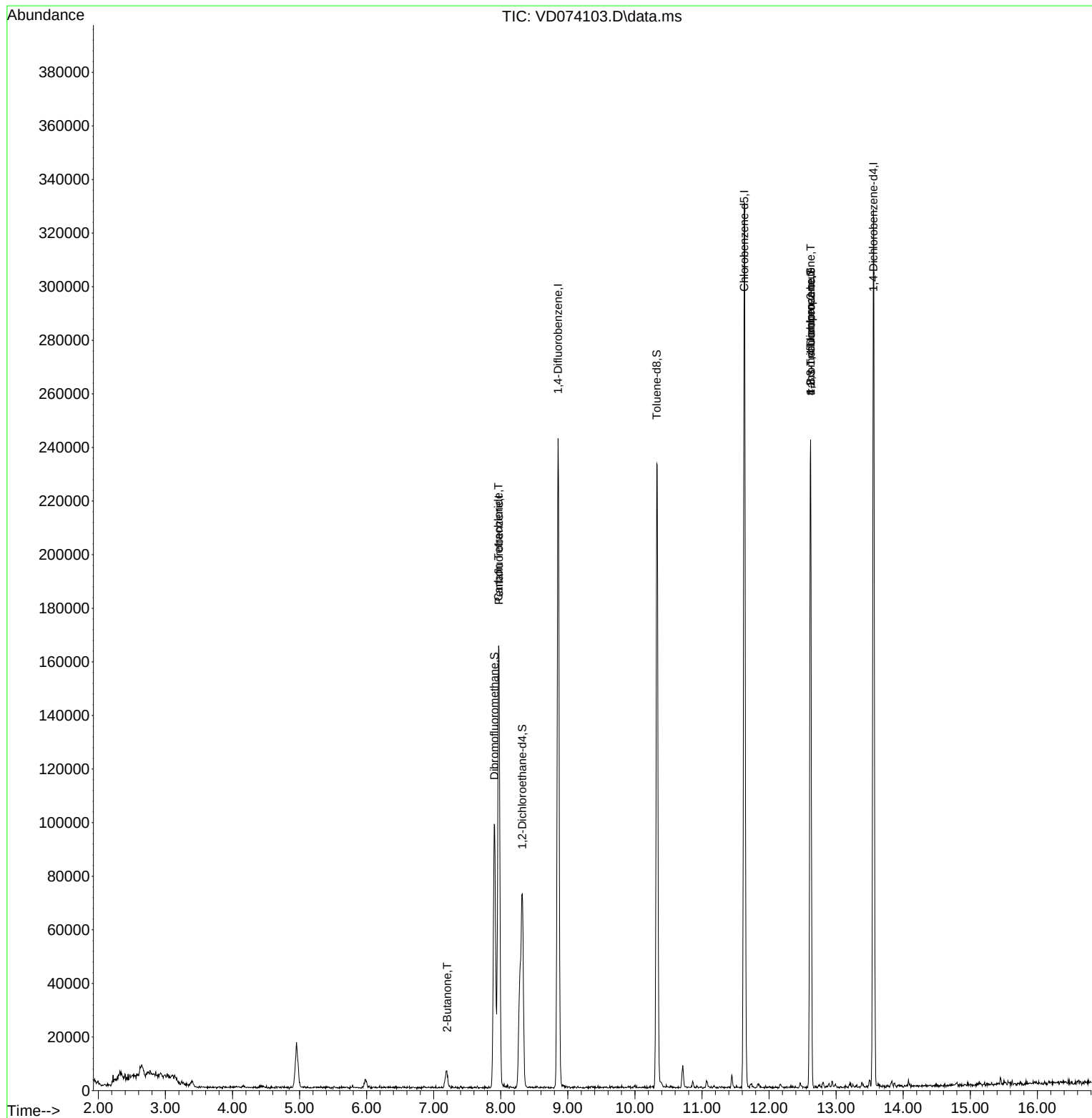
Internal Standards						
1) Pentafluorobenzene	7.973	168	118624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	209662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	193982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	84341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	53902	62.999	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.000%	
35) Dibromofluoromethane	7.902	113	67930	50.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.400%	
50) Toluene-d8	10.326	98	162933	40.054	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.100%	
62) 4-Bromofluorobenzene	12.620	95	76198	45.362	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1091	Below Cal	#	69
3) Chloromethane	2.203	50	496	Below Cal	#	79
6) Chloroethane	2.920	64	56	Below Cal	#	42
7) Trichlorofluoromethane	3.262	101	891	Below Cal	#	69
9) 1,1,2-Trichlorotrifluo...	4.103	101	62	Below Cal	#	20
11) Tert butyl alcohol	5.209	59	100	Below Cal	#	74
16) Acetone	4.156	43	746	Below Cal	#	47
17) Carbon Disulfide	4.409	76	182	Below Cal	#	74
18) Methyl Acetate	4.750	43	55	Below Cal	#	55
20) Methylene Chloride	4.956	84	12238	Below Cal	#	76
25) 2-Butanone	7.203	43	481	1.586	ug/l #	52
31) Cyclohexane	7.973	56	3132	Below Cal	#	38
38) Carbon Tetrachloride	7.967	117	13317	6.315	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	41999	55.883	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41999	155.853	ug/l #	7

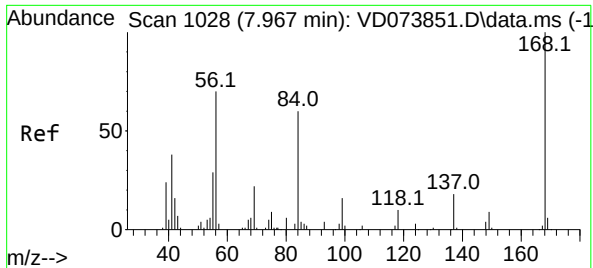
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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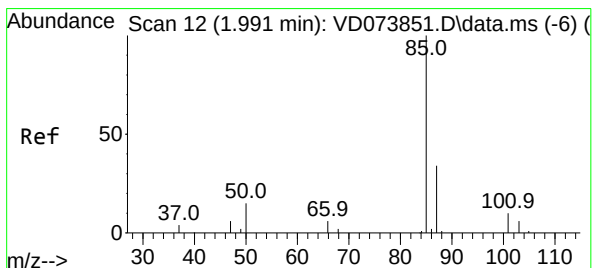
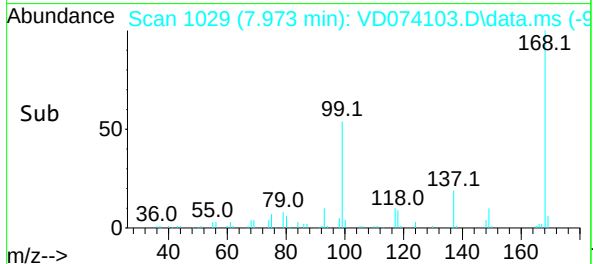
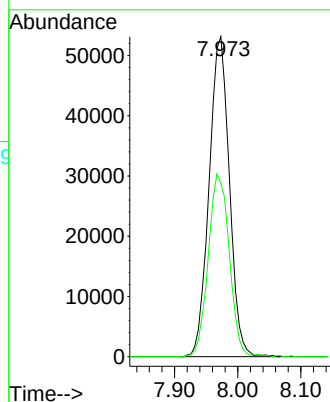
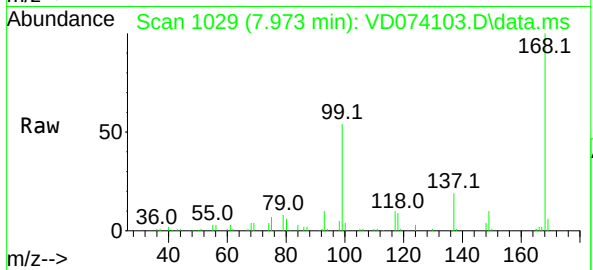




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

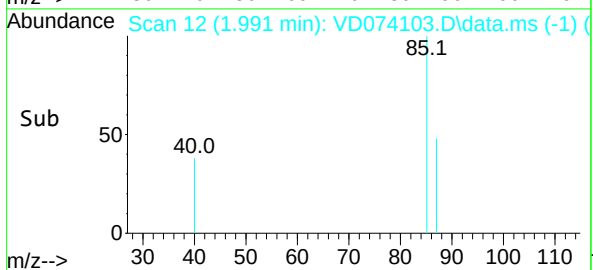
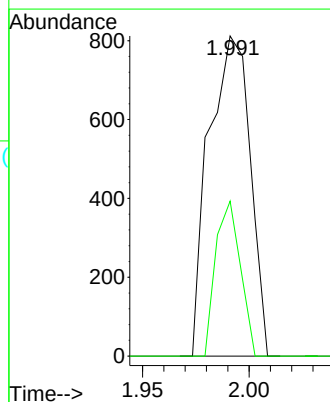
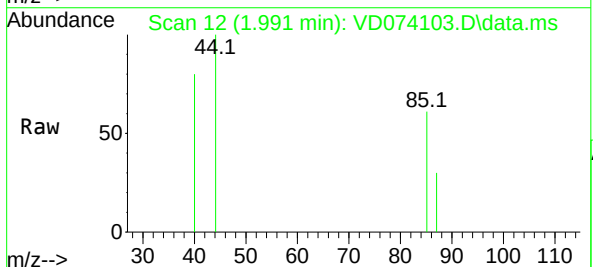
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

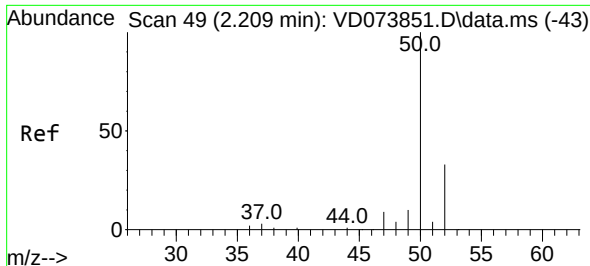
Tgt Ion:168 Resp: 118624
Ion Ratio Lower Upper
168 100
99 54.2 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion: 85 Resp: 1091
Ion Ratio Lower Upper
85 100
87 48.4 15.7 47.0#

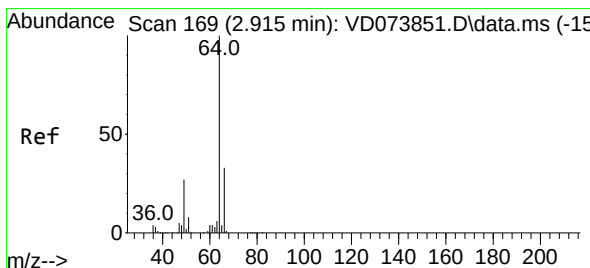
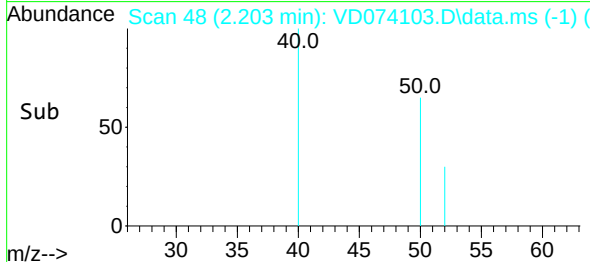
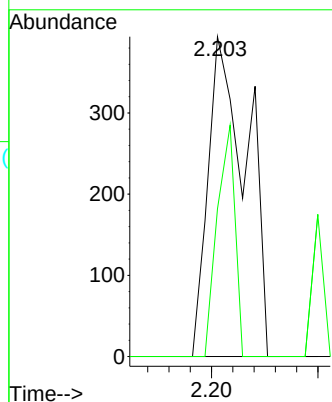
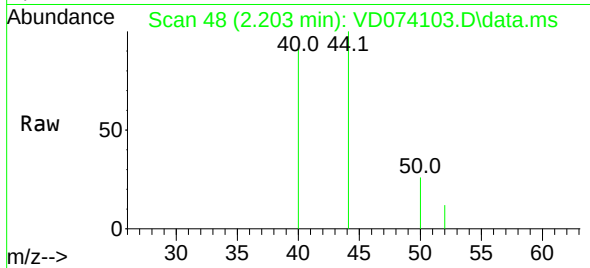




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

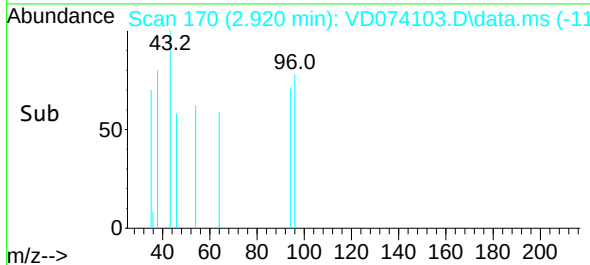
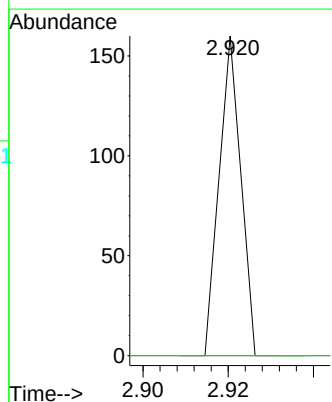
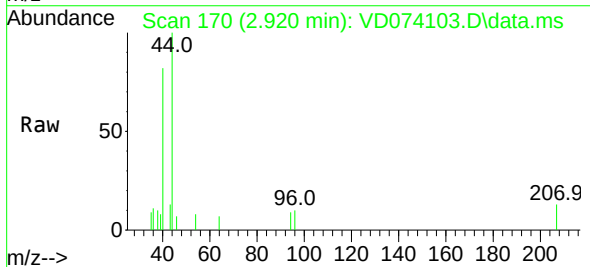
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

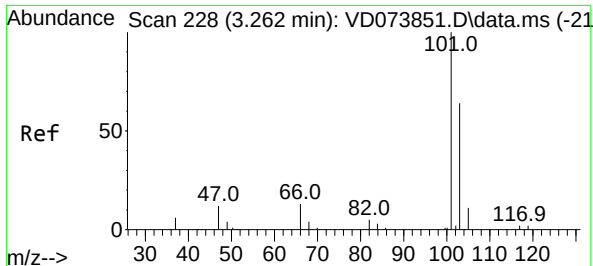
Tgt Ion: 50 Resp: 496
Ion Ratio Lower Upper
50 100
52 46.2 27.4 41.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. 0.005 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

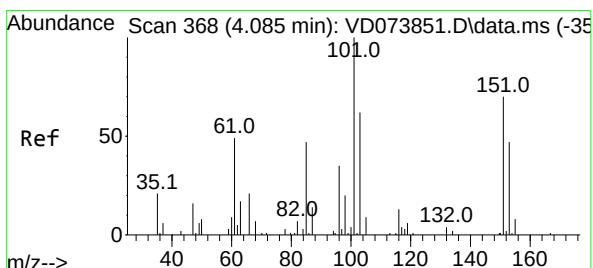
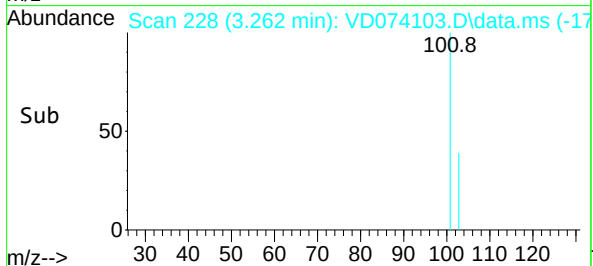
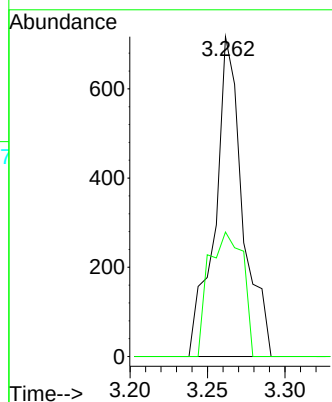
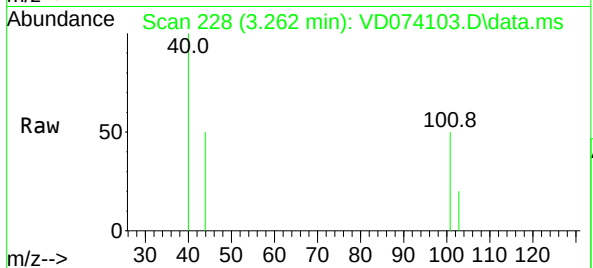




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.262 min Scan# 211
Delta R.T. -0.000 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

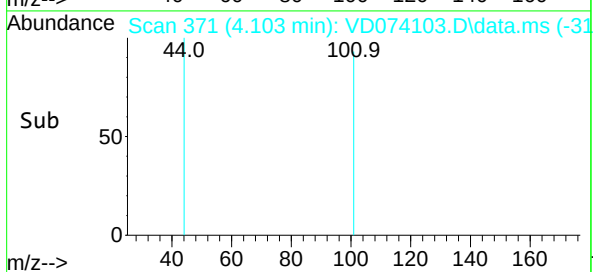
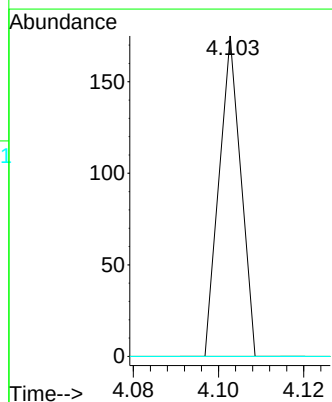
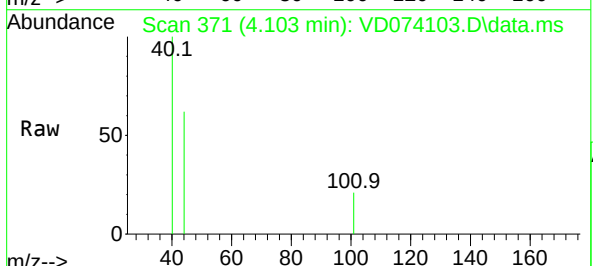
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

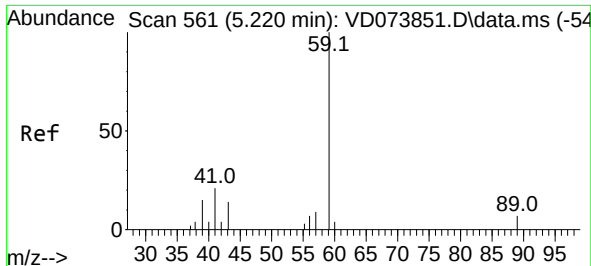
Tgt Ion:101 Resp: 891
Ion Ratio Lower Upper
101 100
103 38.9 50.1 75.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.103 min Scan# 371
Delta R.T. 0.018 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion:101 Resp: 62
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 57.3 85.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.209 min Scan# 51

Delta R.T. -0.011 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

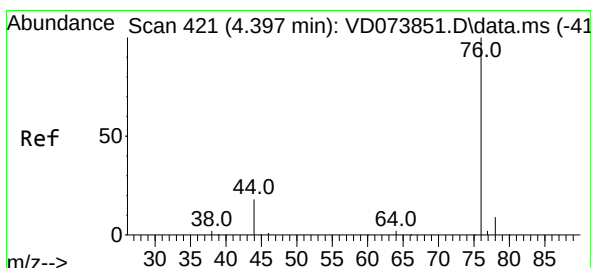
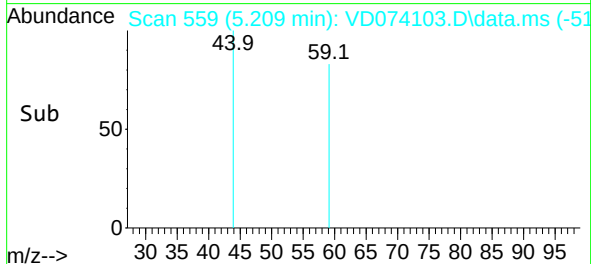
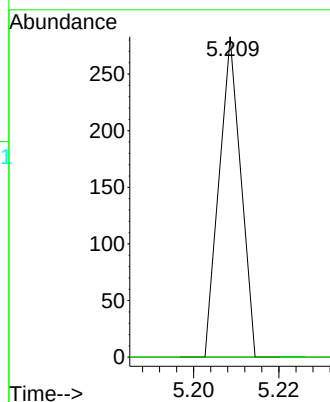
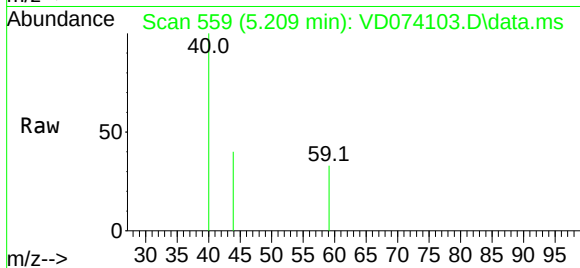
VD0816SBL01

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.409 min Scan# 423

Delta R.T. 0.012 min

Lab File: VD074103.D

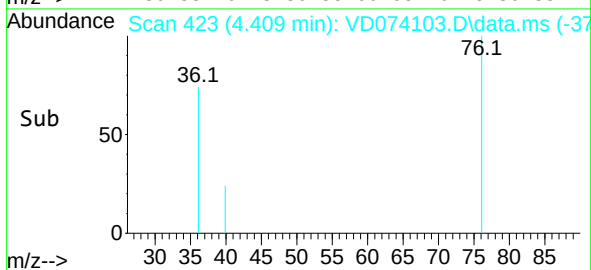
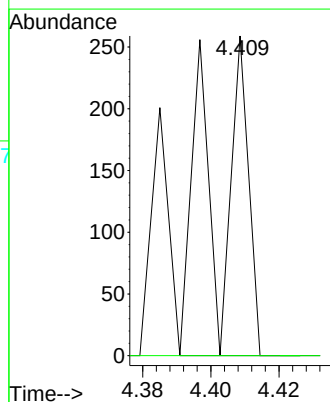
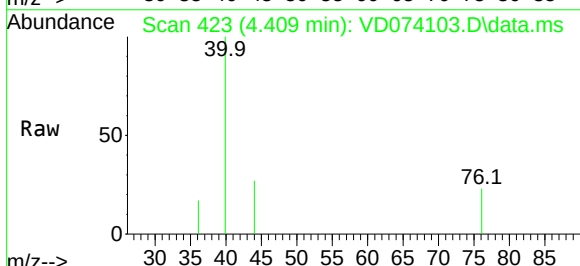
Acq: 16 Aug 2022 15:57

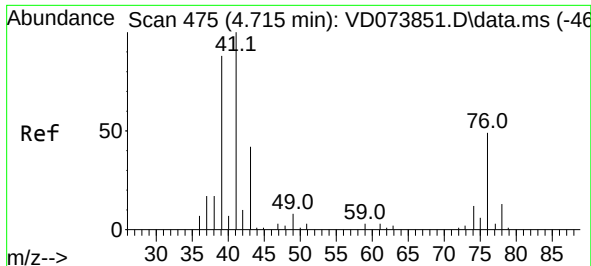
Tgt Ion: 76 Resp: 182

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

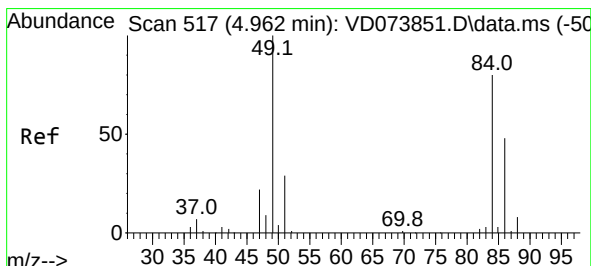
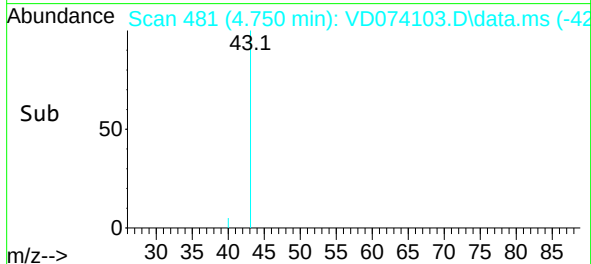
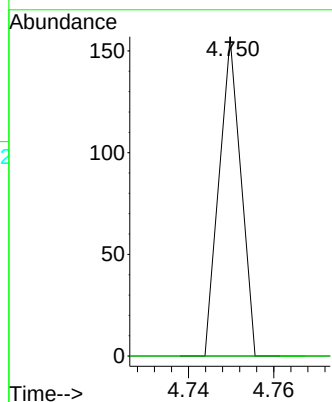
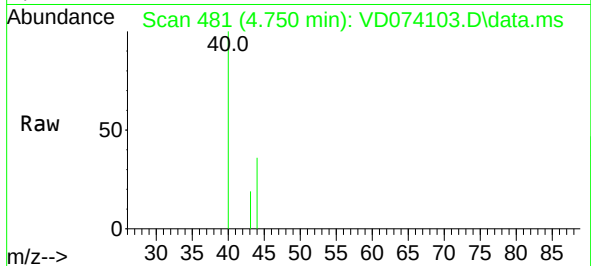




#18
Methyl Acetate
Concen: Below Cal
RT: 4.750 min Scan# 41
Delta R.T. 0.035 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

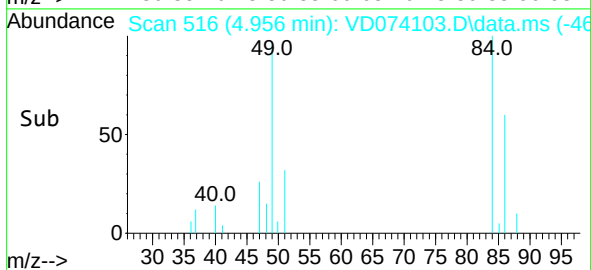
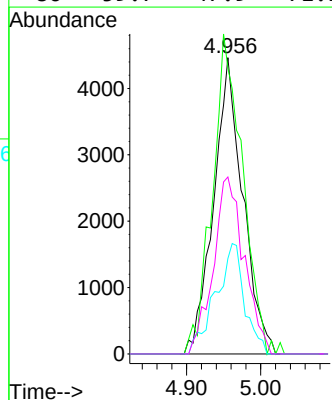
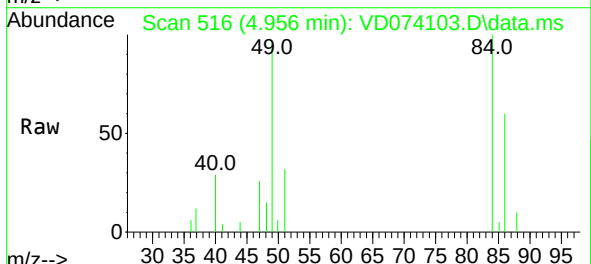
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

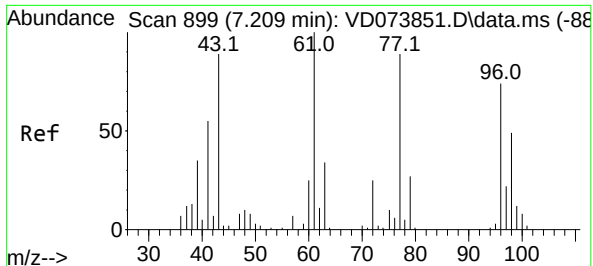
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion: 84 Resp: 12238
Ion Ratio Lower Upper
84 100
49 96.6 112.8 169.2#
51 32.2 32.6 48.8#
86 59.7 47.9 71.9





#25

2-Butanone

Concen: 1.586 ug/l

RT: 7.203 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

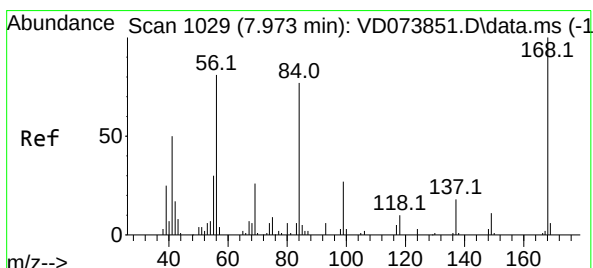
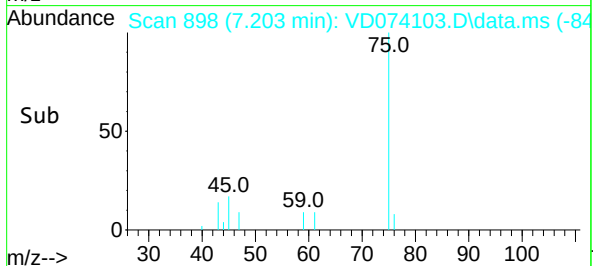
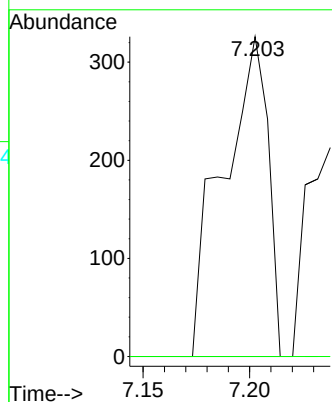
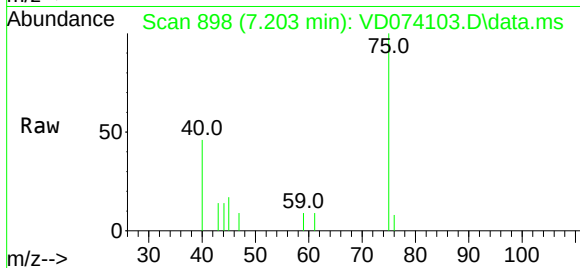
VD0816SBL01

Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

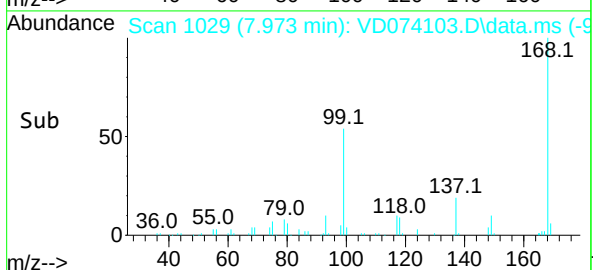
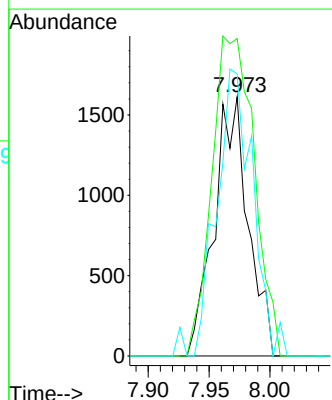
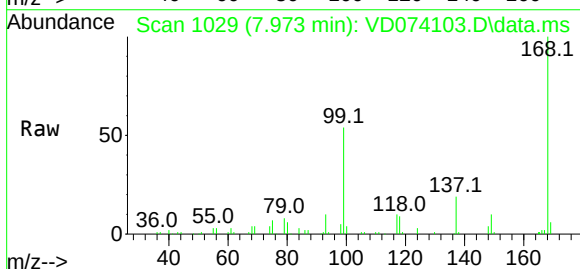
Tgt Ion: 56 Resp: 3132

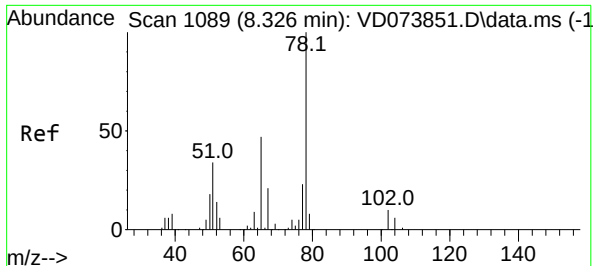
Ion Ratio Lower Upper

56 100

69 122.4 25.4 38.2#

84 97.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 62.999 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

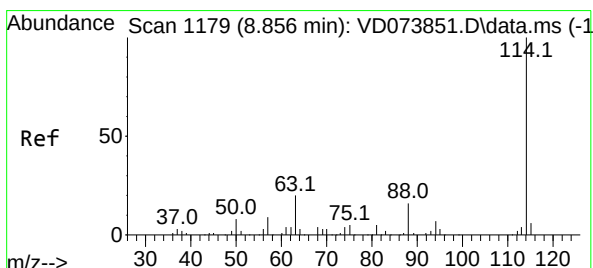
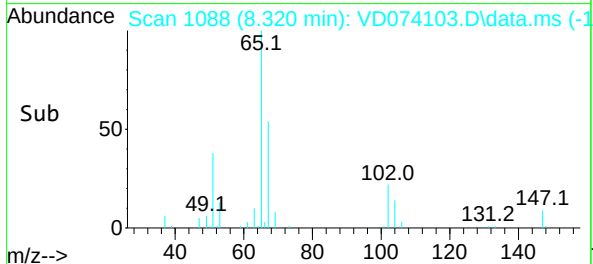
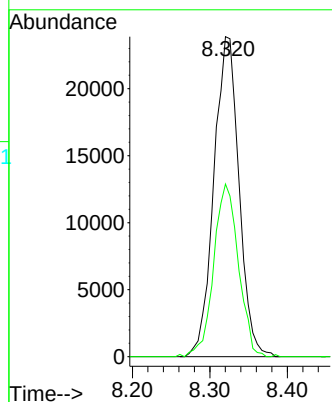
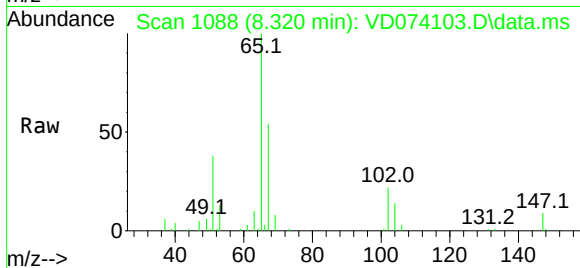
VD0816SBL01

Tgt Ion: 65 Resp: 53902

Ion Ratio Lower Upper

65 100

67 53.2 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: VD074103.D

Acq: 16 Aug 2022 15:57

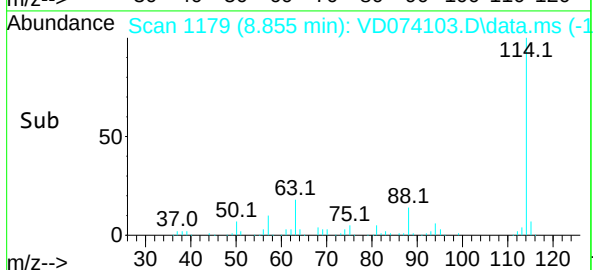
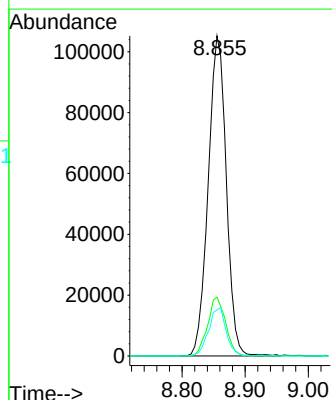
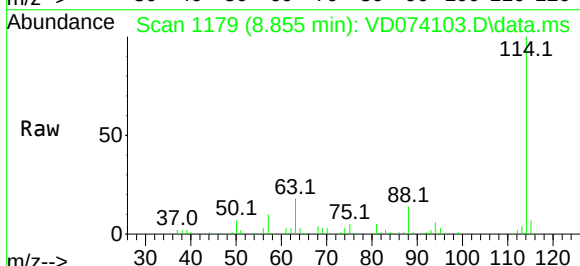
Tgt Ion: 114 Resp: 209662

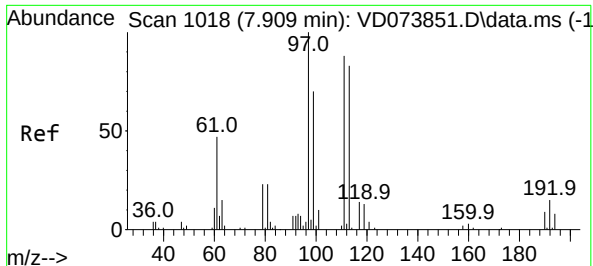
Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 14.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.702 ug/l

RT: 7.902 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBL01

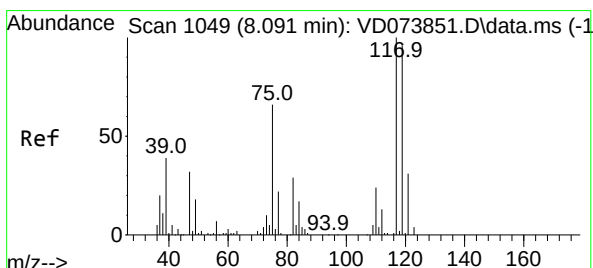
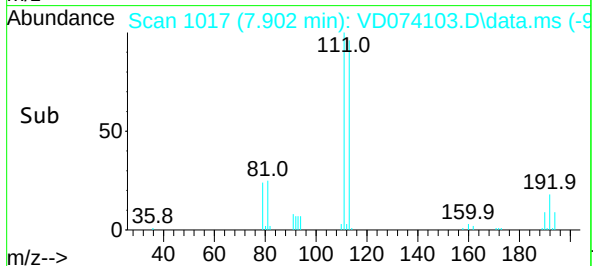
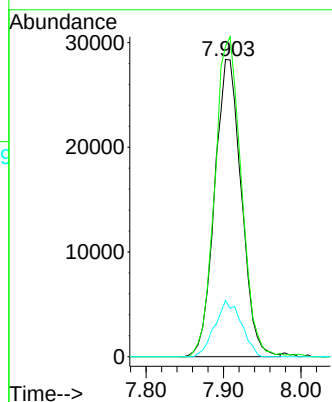
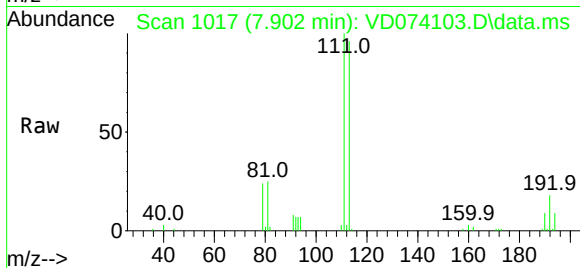
Tgt Ion:113 Resp: 67930

Ion Ratio Lower Upper

113 100

111 107.1 83.8 125.6

192 18.8 14.6 21.8



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD074103.D

Acq: 16 Aug 2022 15:57

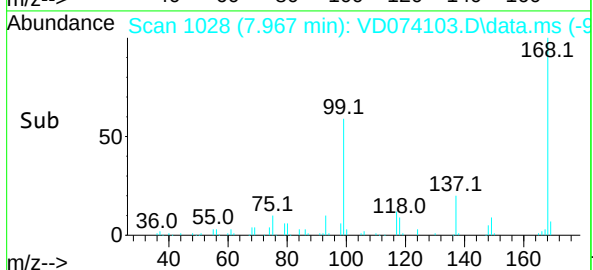
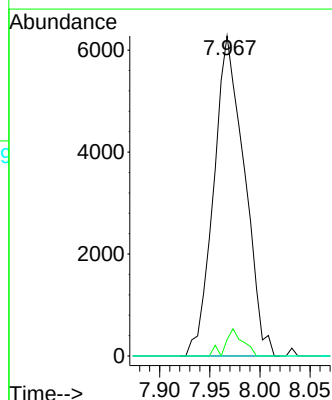
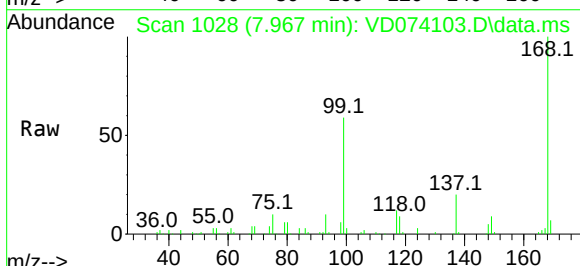
Tgt Ion:117 Resp: 13317

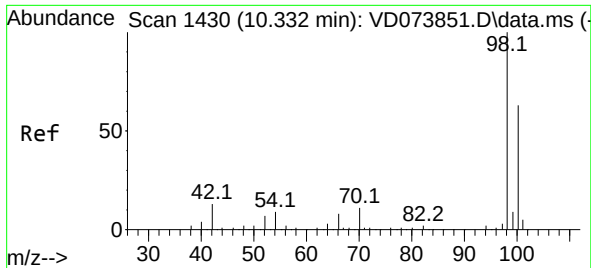
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

121 0.0 24.5 36.7#

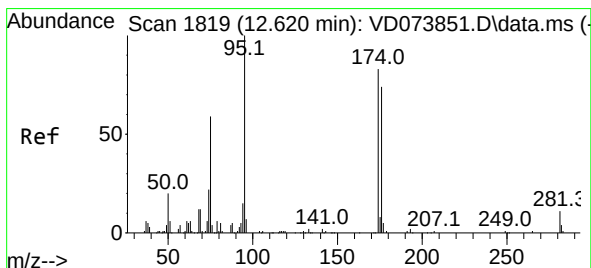
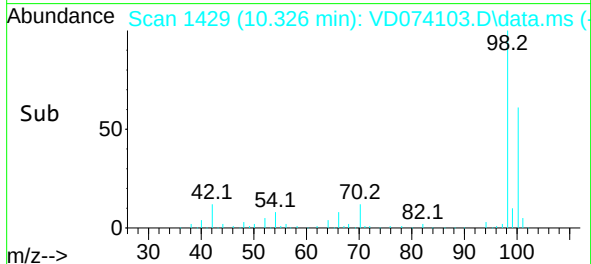
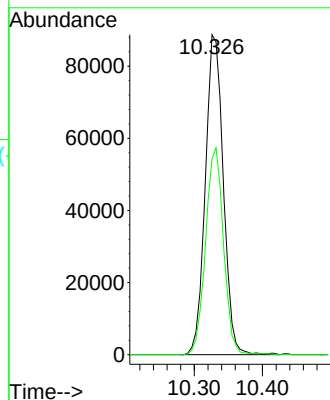
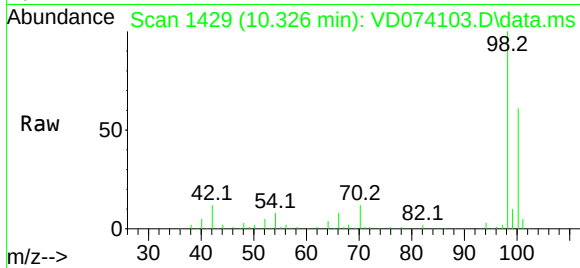




#50
Toluene-d8
Concen: 40.054 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

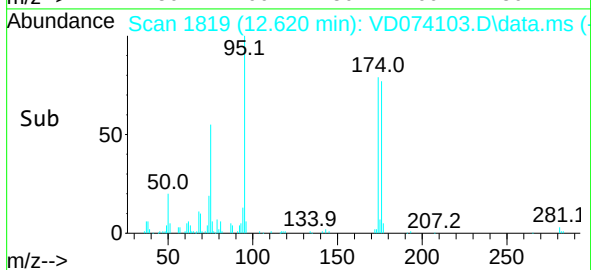
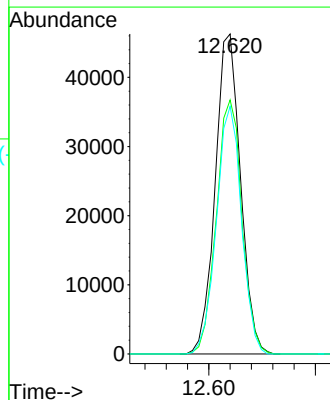
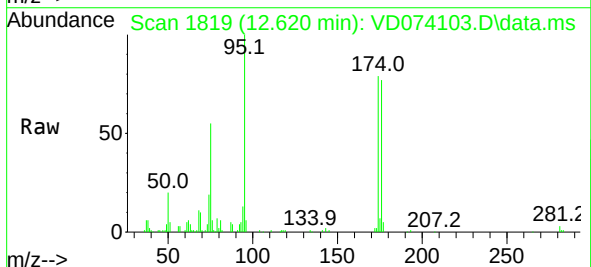
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

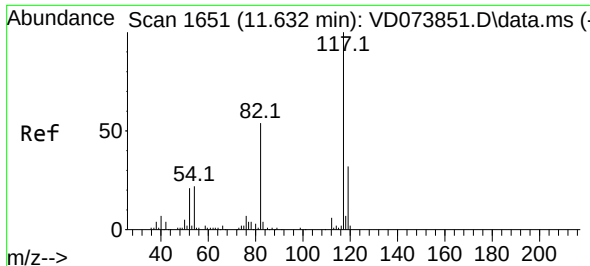
Tgt Ion: 98 Resp: 162933
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.362 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion: 95 Resp: 76198
Ion Ratio Lower Upper
95 100
174 80.3 0.0 152.8
176 76.5 0.0 145.4

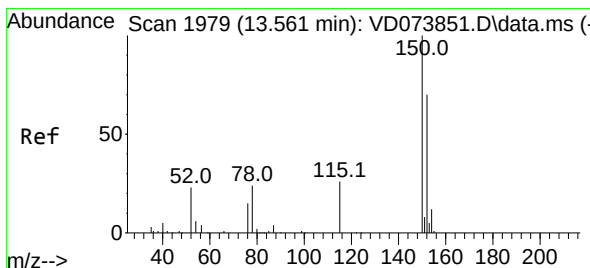
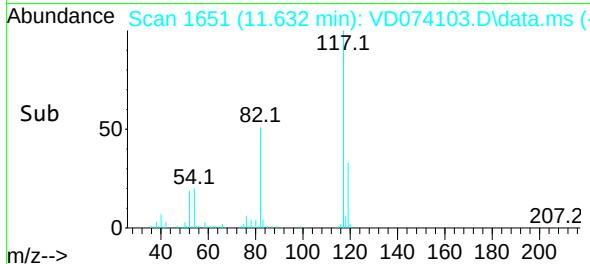
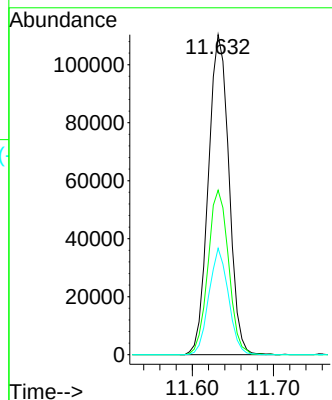
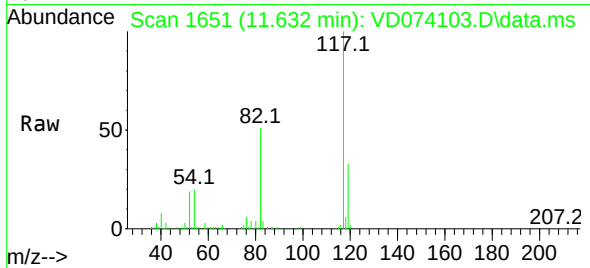




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

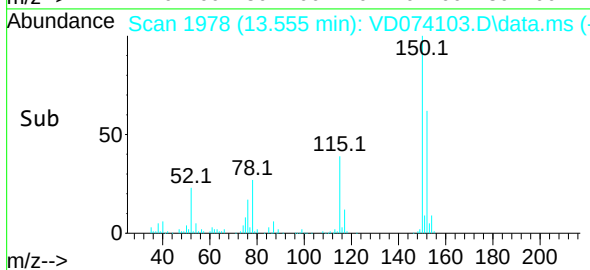
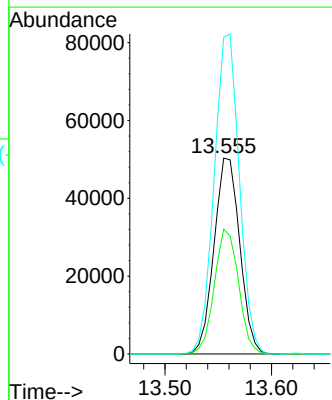
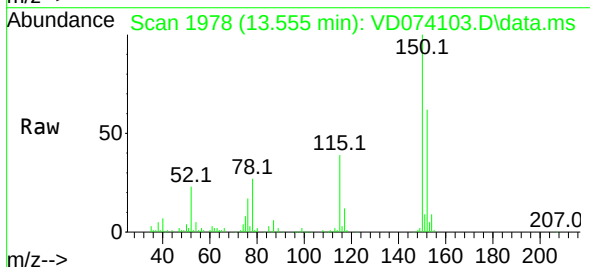
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

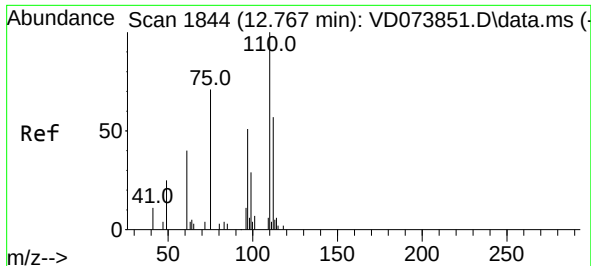
Tgt Ion:117 Resp: 193982
Ion Ratio Lower Upper
117 100
82 51.4 45.3 67.9
119 33.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion:152 Resp: 84341
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 159.8 0.0 348.6

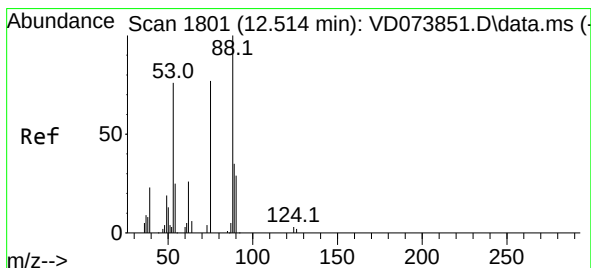
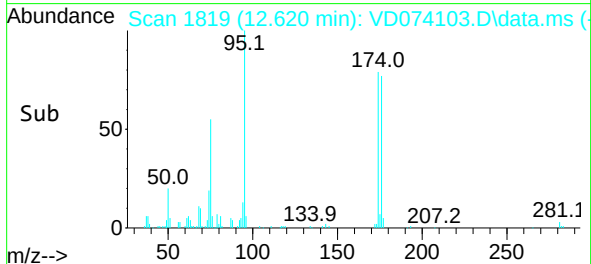
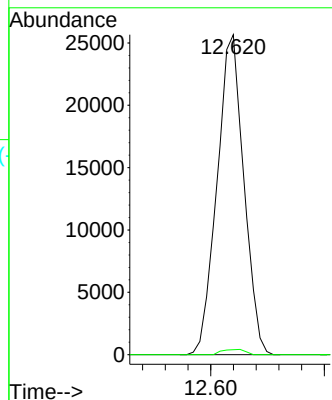
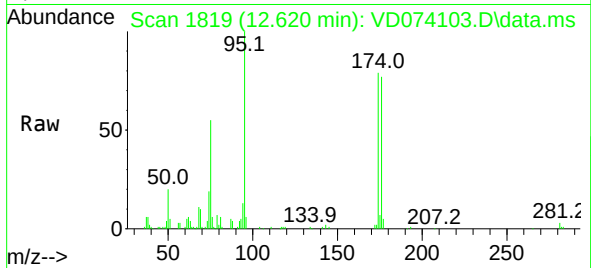




#76
1,2,3-Trichloropropane
Concen: 55.883 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBL01

Tgt Ion: 75 Resp: 41999
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074103.D
Acq: 16 Aug 2022 15:57

Tgt Ion: 75 Resp: 41999
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

