

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072819.D
 Acq On : 05 May 2022 19:34
 Operator : VA/SY
 Sample : N2674-01
 Misc : 4.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-2-050322

Quant Time: May 06 03:52:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

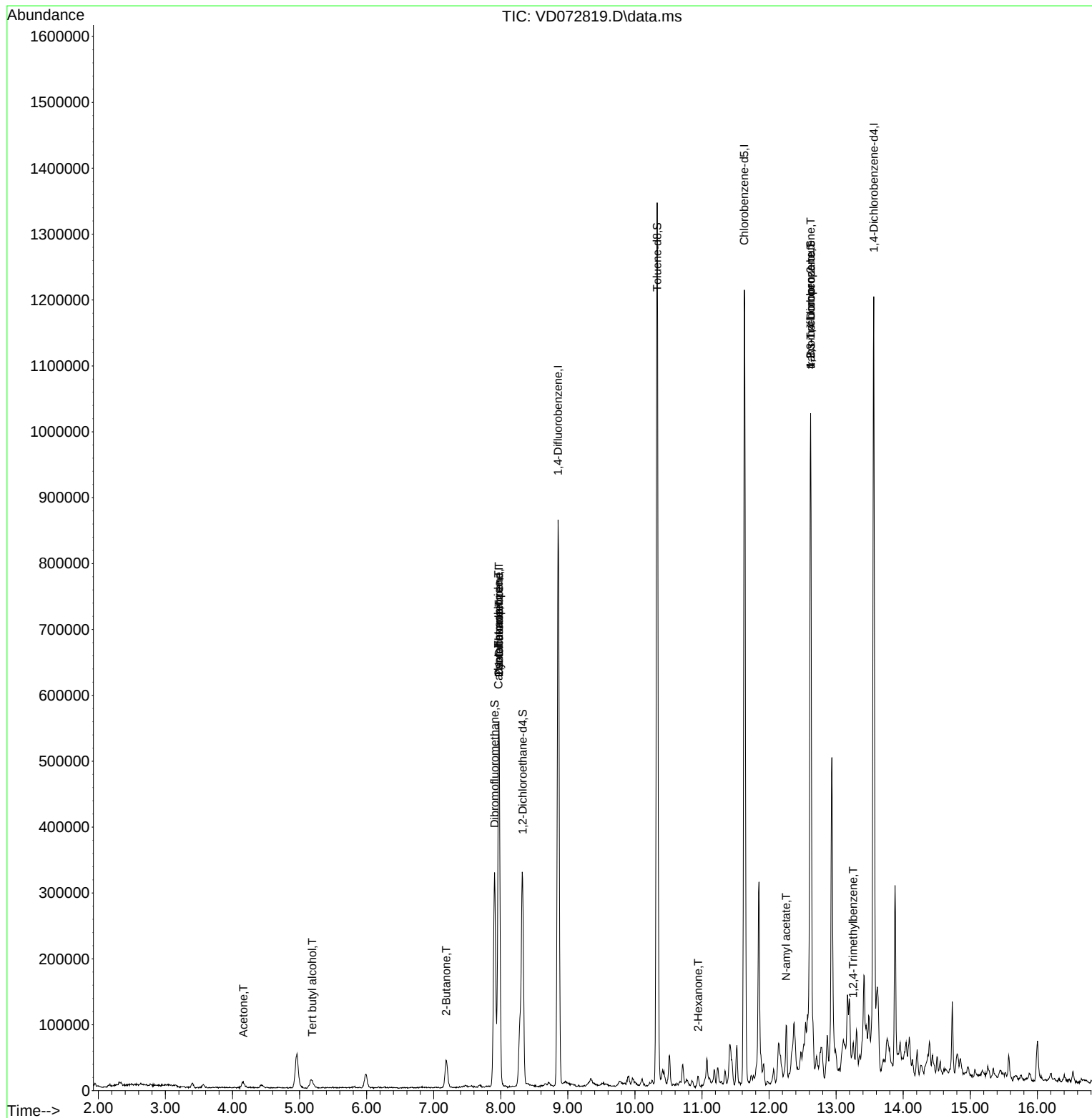
Internal Standards						
1) Pentafluorobenzene	7.973	168	381717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	703654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	663406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	253381	51.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.280%	
35) Dibromofluoromethane	7.908	113	228246	46.186	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.380%	
50) Toluene-d8	10.332	98	853383	48.141	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.280%	
62) 4-Bromofluorobenzene	12.620	95	324901	49.154	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	628	Below Cal		97
11) Tert butyl alcohol	5.191	59	12603	29.398	ug/l #	74
16) Acetone	4.162	43	16275	3.819	ug/l #	89
18) Methyl Acetate	4.726	43	173	Below Cal	#	55
20) Methylene Chloride	4.962	84	36986	Below Cal		90
25) 2-Butanone	7.185	43	2935	2.033	ug/l #	52
31) Cyclohexane	7.973	56	10913	1.260	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	35046	4.361	ug/l #	52
38) Carbon Tetrachloride	7.967	117	43681	5.237	ug/l #	17
59) 2-Hexanone	10.944	43	7021	2.945	ug/l #	27
74) N-amyl acetate	12.255	43	19354	3.650	ug/l #	69
76) 1,2,3-Trichloropropane	12.620	75	174610	57.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	174610	131.583	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	24190	1.340	ug/l	100

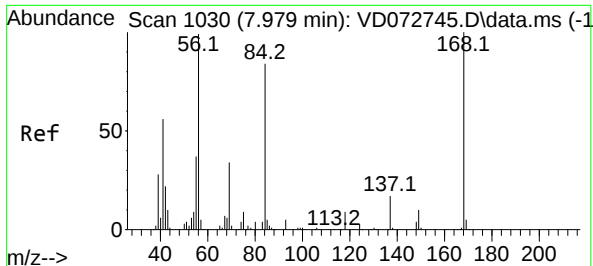
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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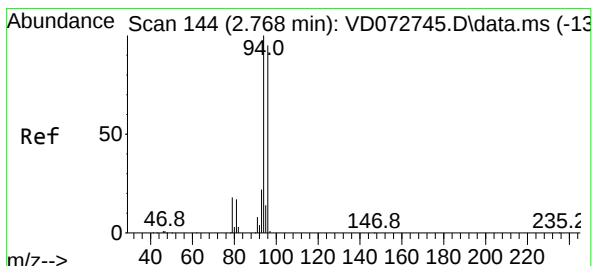
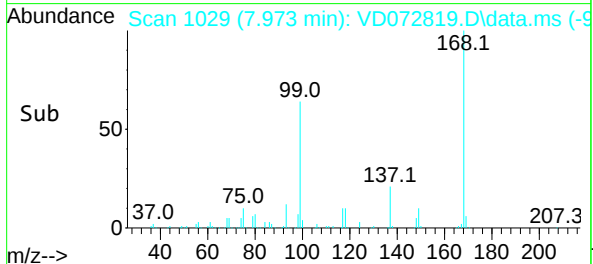
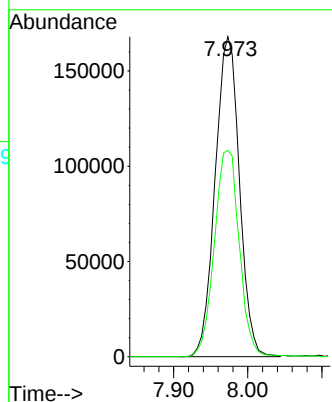
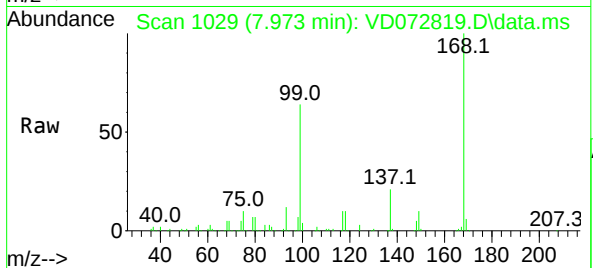




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

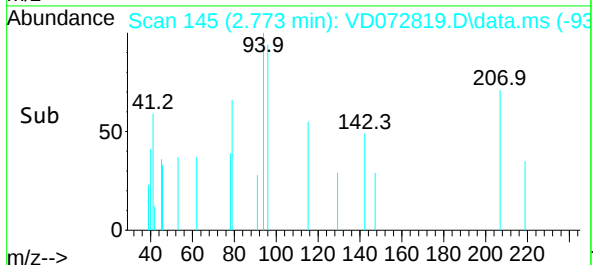
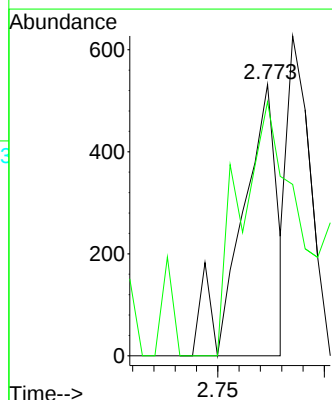
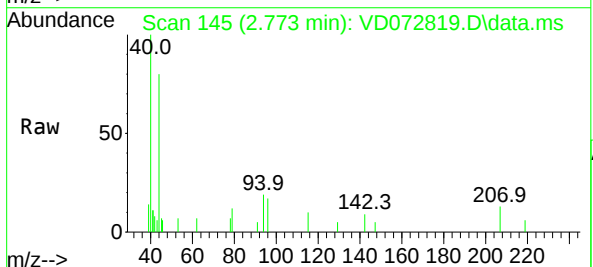
Instrument :
MSVOA_D
ClientSampleId :
BU-2-050322

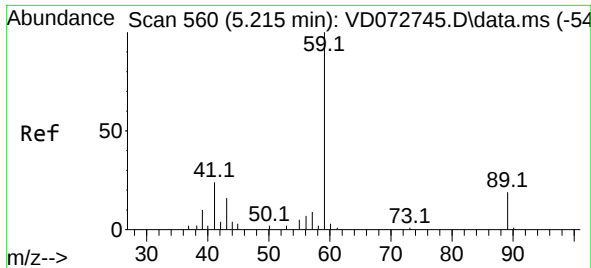
Tgt Ion:168 Resp: 381717
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 93.6 77.6 116.4

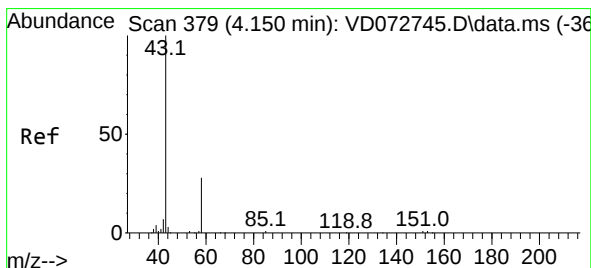
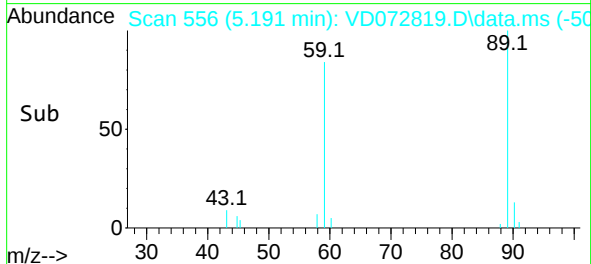
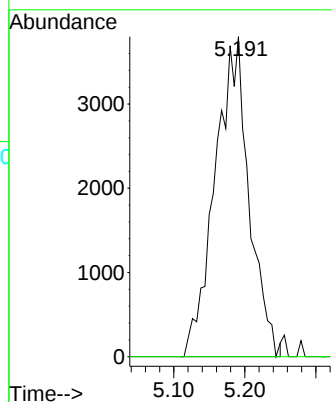
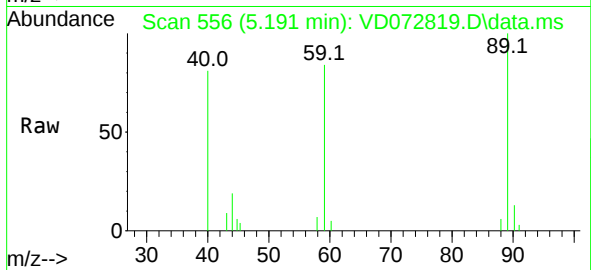




#11
Tert butyl alcohol
Concen: 29.398 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

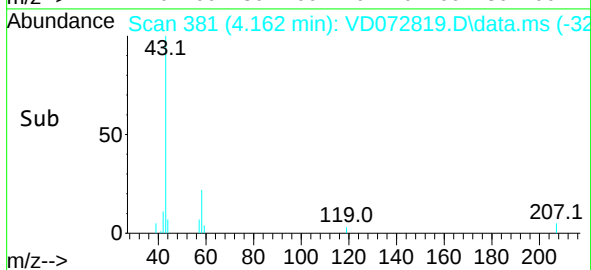
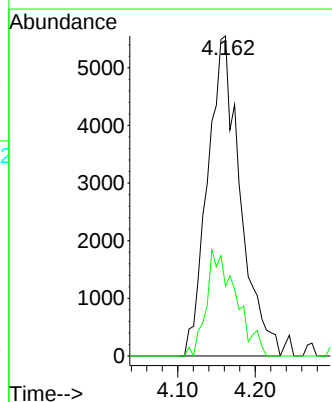
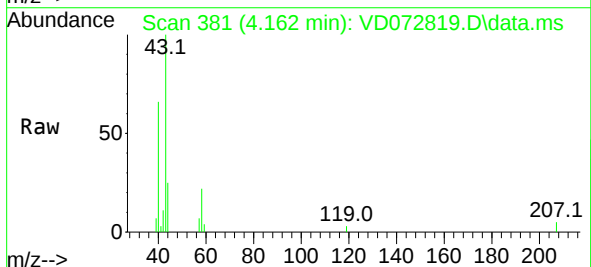
Instrument :
MSVOA_D
ClientSampleId :
BU-2-050322

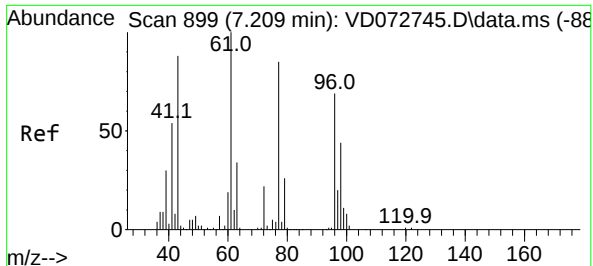
Tgt Ion: 59 Resp: 12603
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.819 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 43 Resp: 16275
Ion Ratio Lower Upper
43 100
58 21.8 22.1 33.1#





#25

2-Butanone

Concen: 2.033 ug/l

RT: 7.185 min Scan# 899

Delta R.T. -0.024 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

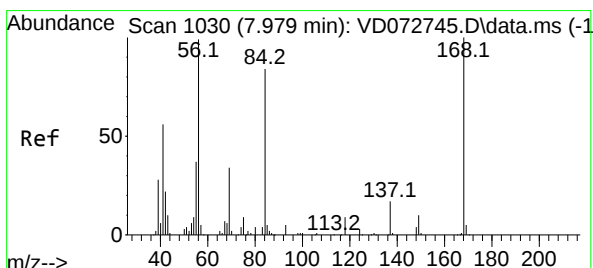
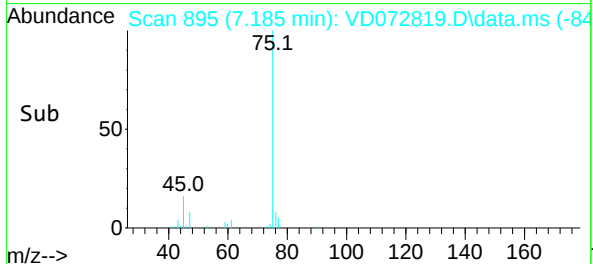
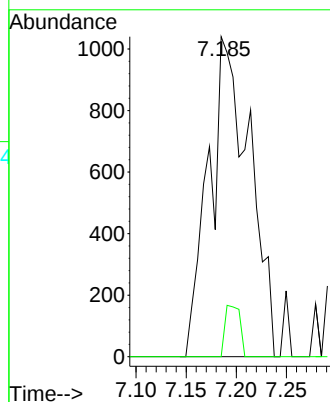
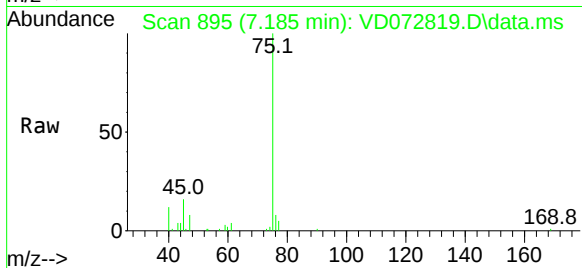
BU-2-050322

Tgt Ion: 43 Resp: 2935

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

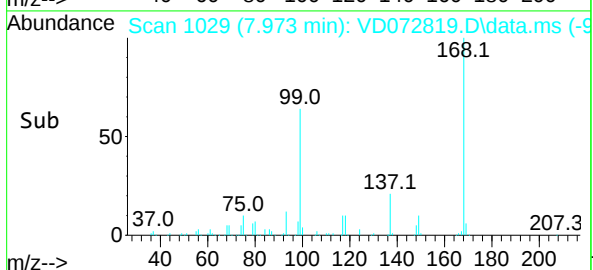
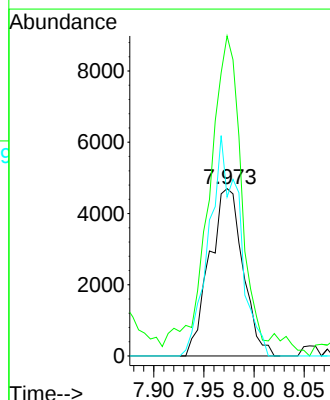
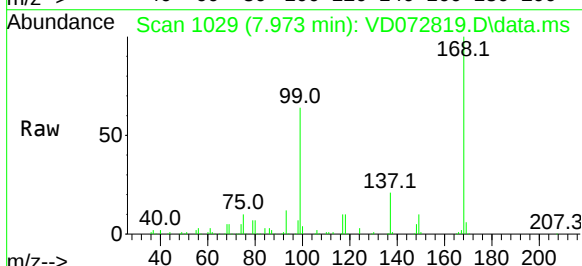
Tgt Ion: 56 Resp: 10913

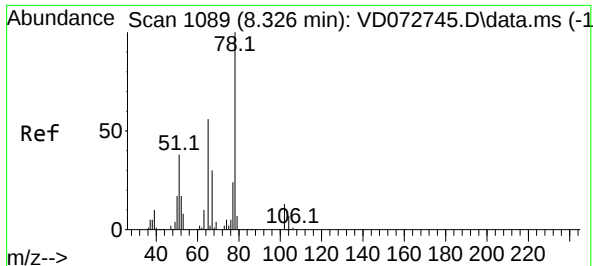
Ion Ratio Lower Upper

56 100

69 182.2 25.4 38.2#

84 95.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.137 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

Instrument :

MSVOA_D

ClientSampleId :

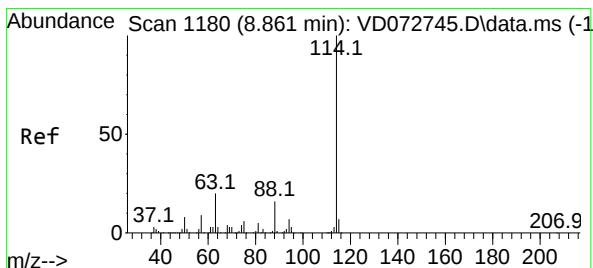
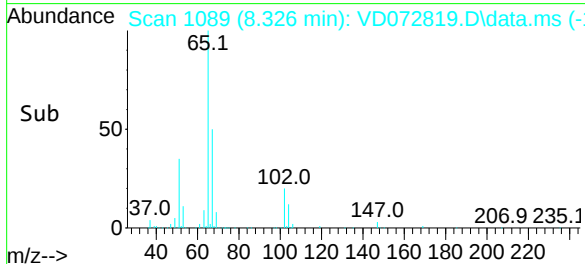
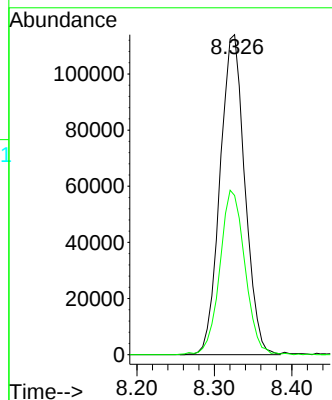
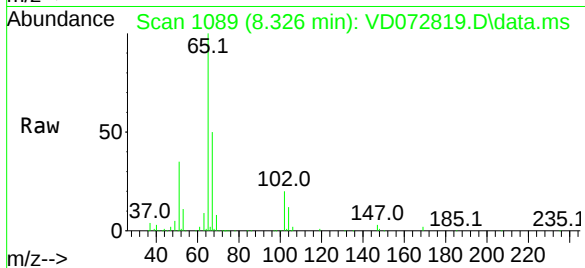
BU-2-050322

Tgt Ion: 65 Resp: 253381

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

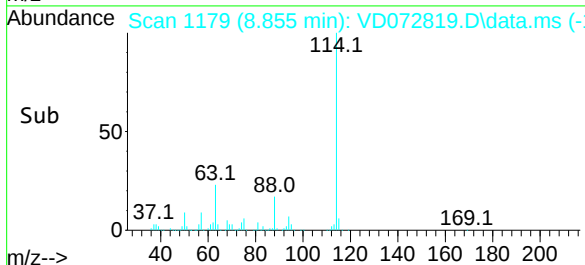
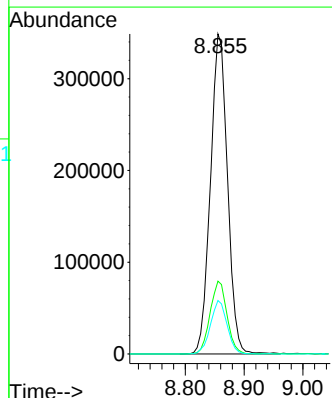
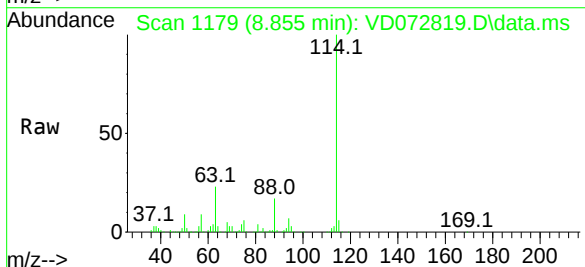
Tgt Ion: 114 Resp: 703654

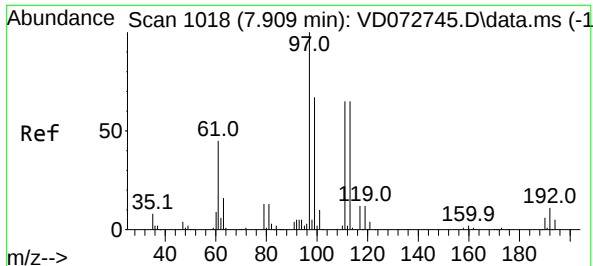
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.186 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

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MSVOA_D

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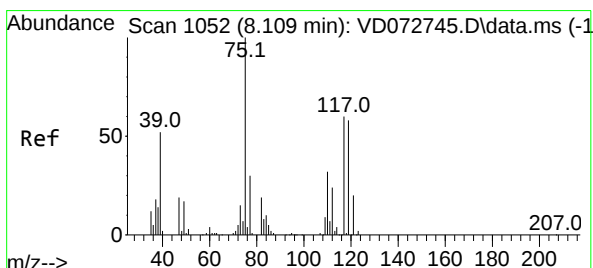
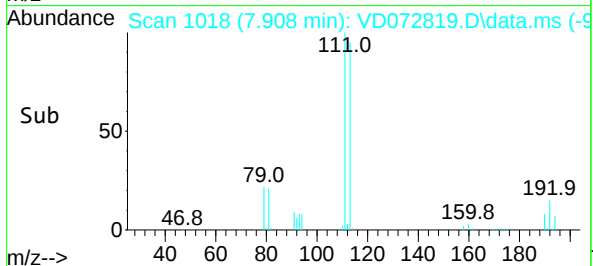
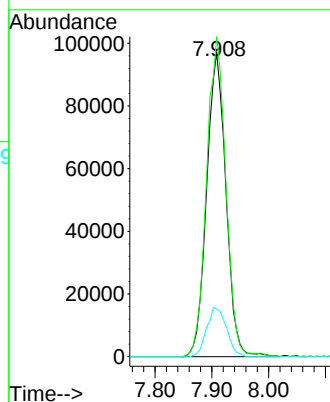
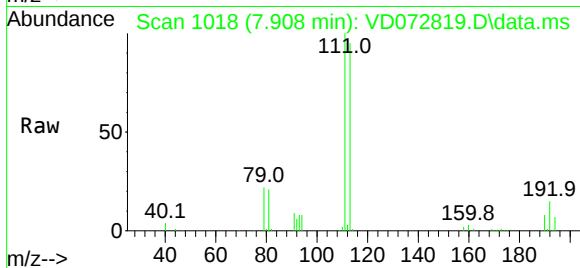
Tgt Ion:113 Resp: 228246

Ion Ratio Lower Upper

113 100

111 105.6 83.8 125.6

192 16.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.361 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072819.D

Acq: 05 May 2022 19:34

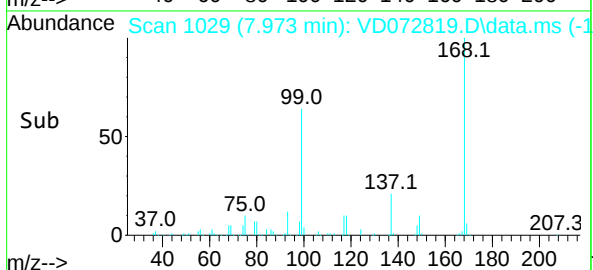
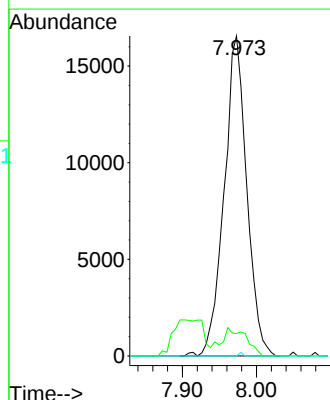
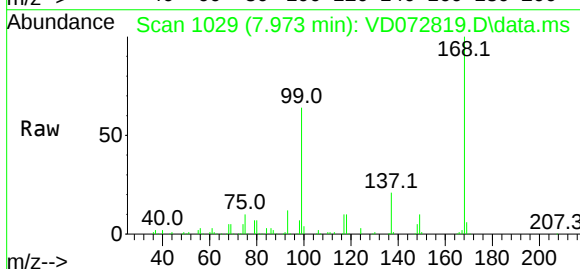
Tgt Ion: 75 Resp: 35046

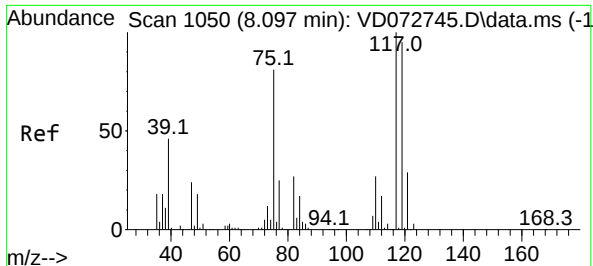
Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.2 24.2 36.2#

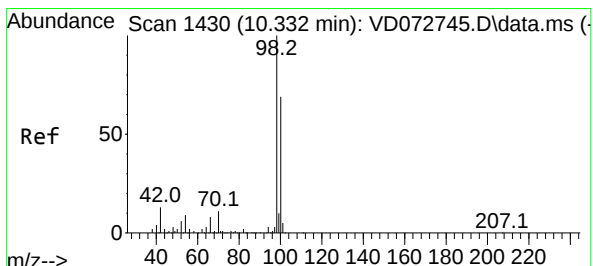
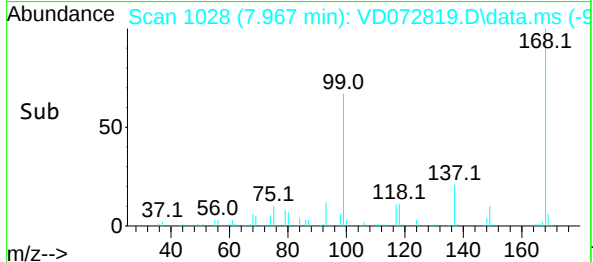
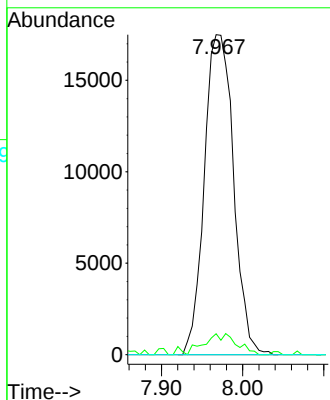
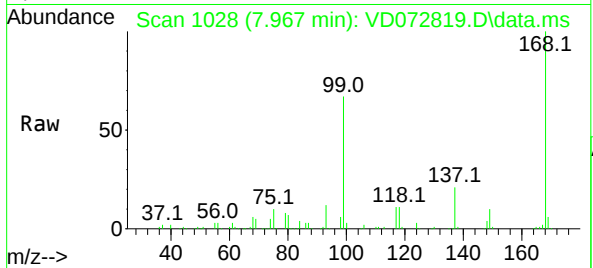




#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

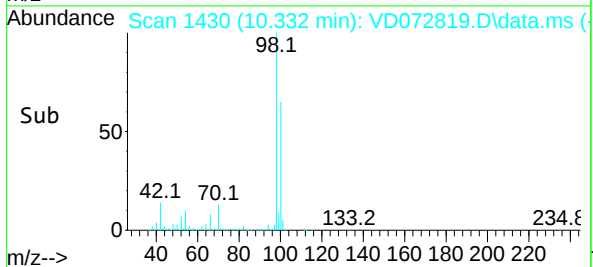
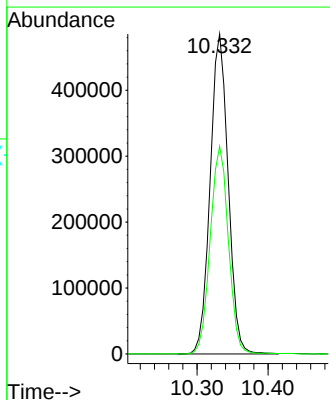
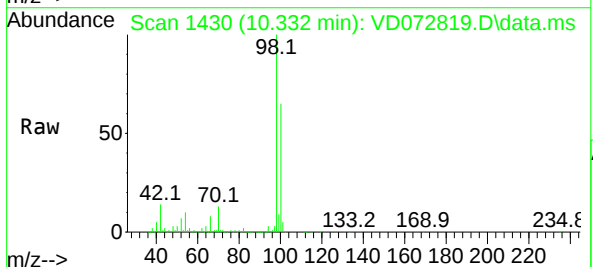
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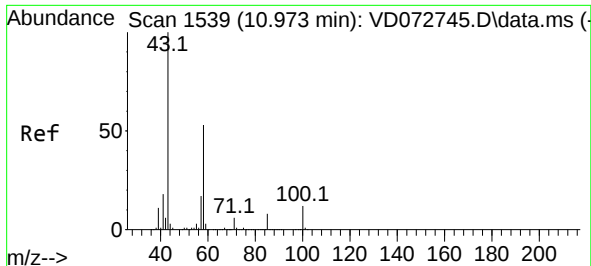
Tgt Ion:117 Resp: 43681
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.141 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 98 Resp: 853383
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

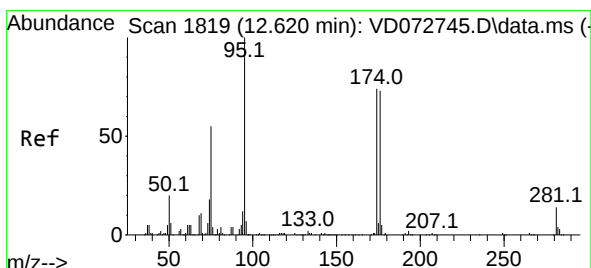
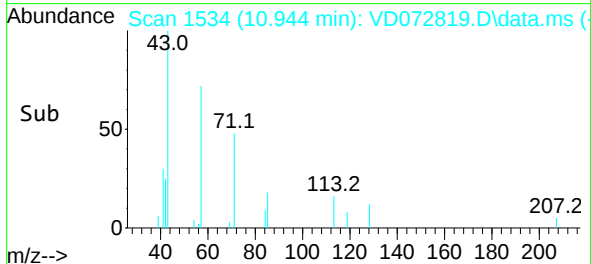
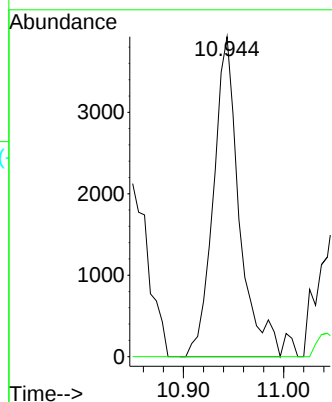
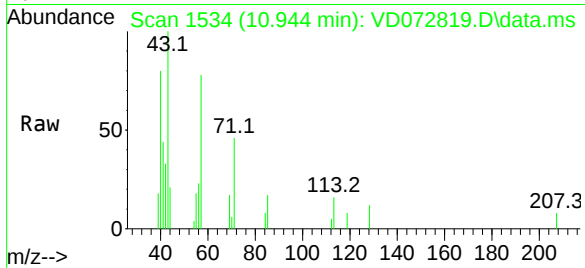




#59
2-Hexanone
Concen: 2.945 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

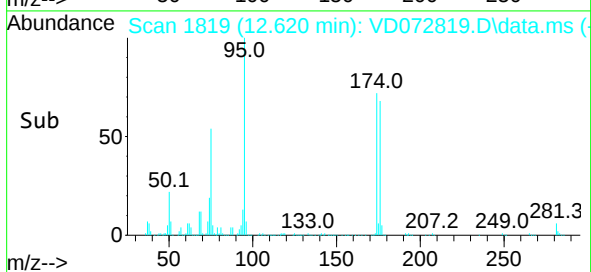
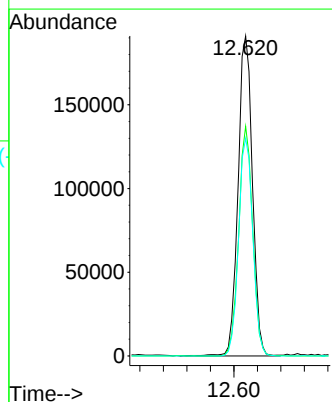
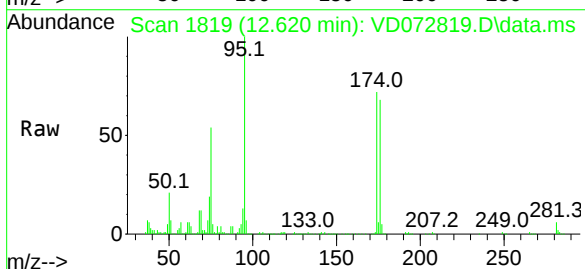
Instrument :
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ClientSampleId :
BU-2-050322

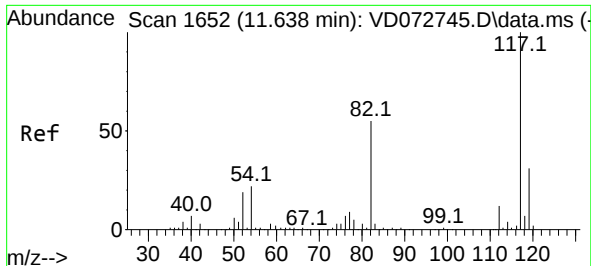
Tgt Ion: 43 Resp: 7021
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 49.154 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 95 Resp: 324901
Ion Ratio Lower Upper
95 100
174 69.6 0.0 152.8
176 66.9 0.0 145.4

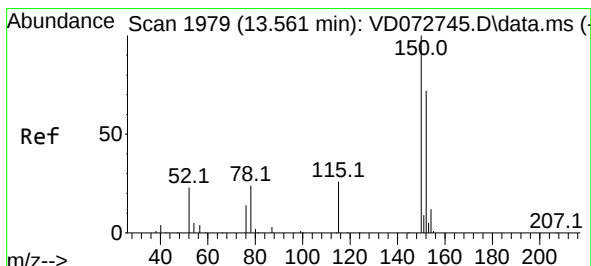
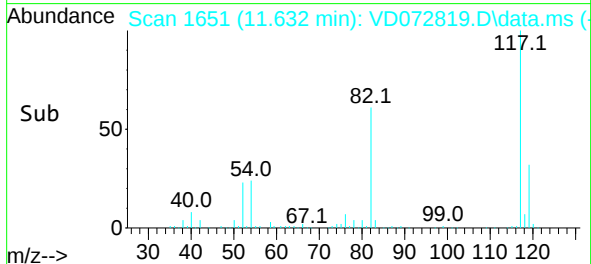
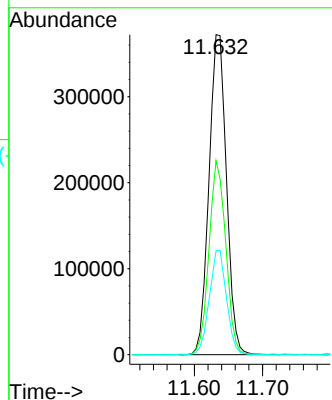
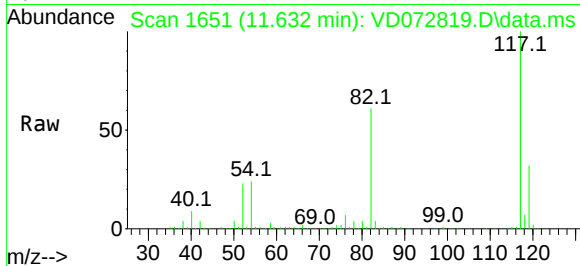




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

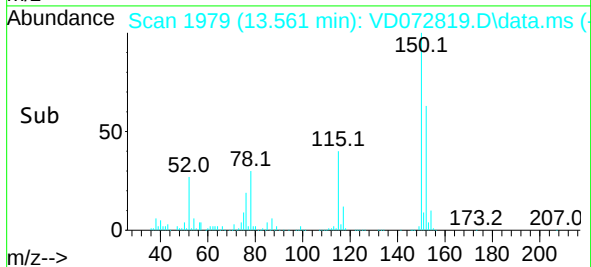
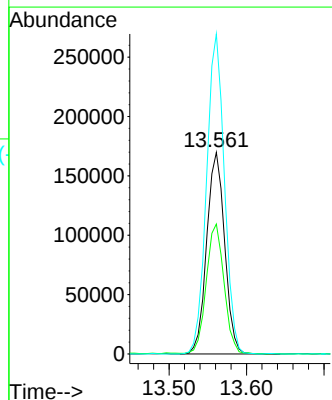
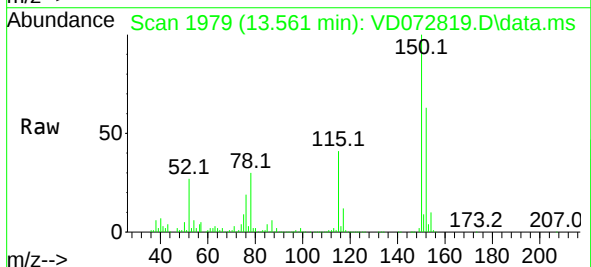
Instrument :
MSVOA_D
ClientSampleId :
BU-2-050322

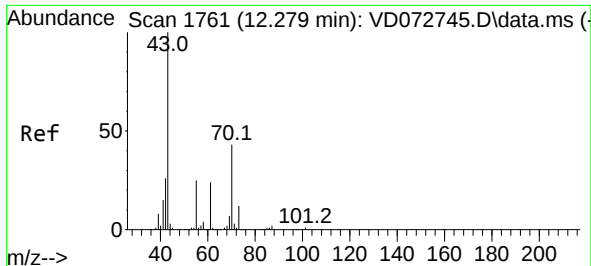
Tgt Ion:117 Resp: 663406
Ion Ratio Lower Upper
117 100
82 60.6 45.3 67.9
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion:152 Resp: 273665
Ion Ratio Lower Upper
152 100
115 64.1 31.3 93.8
150 157.7 0.0 348.6

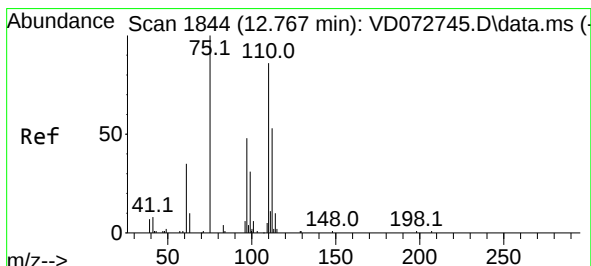
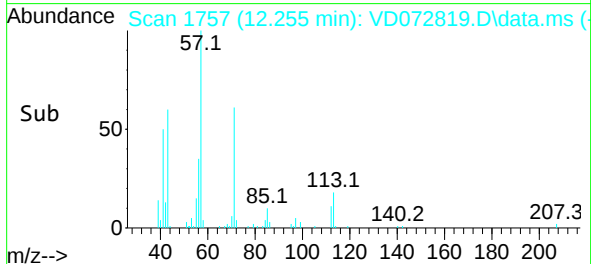
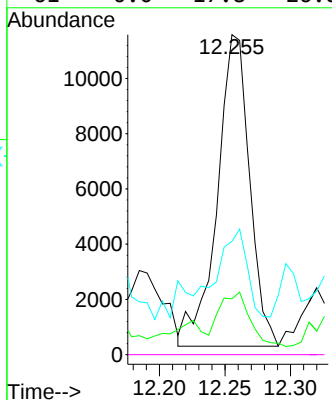
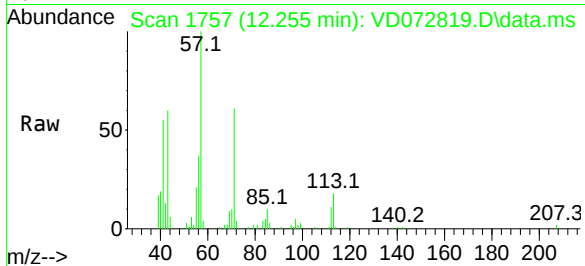




#74
N-ethyl acetate
Concen: 3.650 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

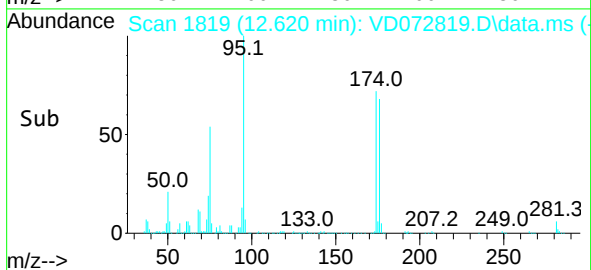
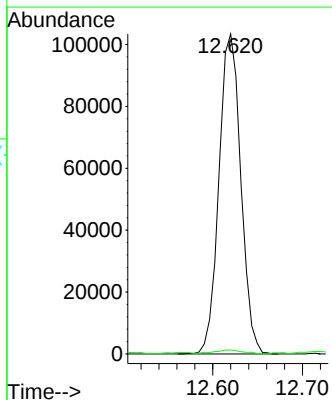
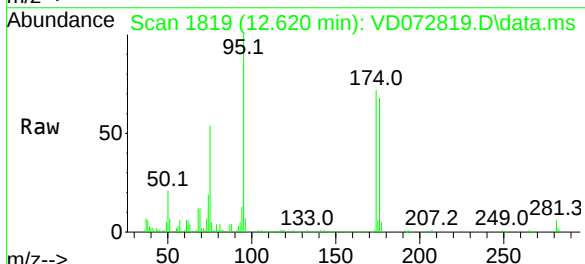
Instrument :
MSVOA_D
ClientSampleId :
BU-2-050322

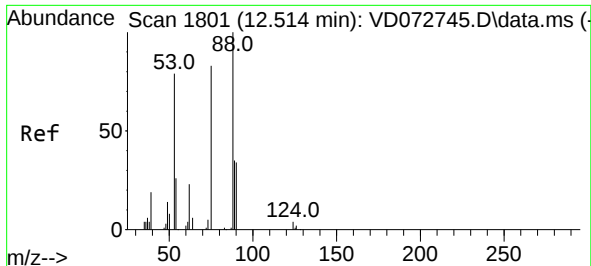
Tgt Ion: 43	Resp: 19354
Ion Ratio	Lower Upper
43 100	
70 16.3	31.3 46.9#
55 21.7	20.0 30.0
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 57.220 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 75	Resp: 174610
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#

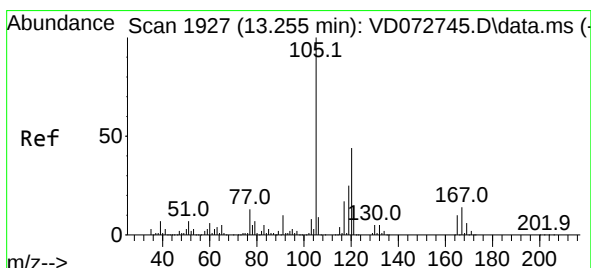
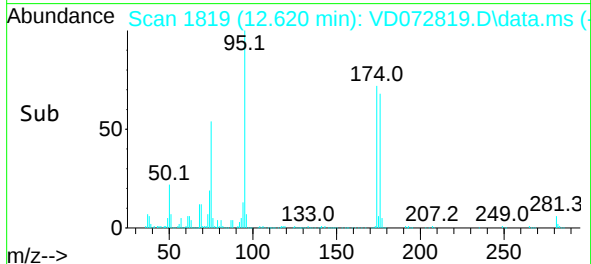
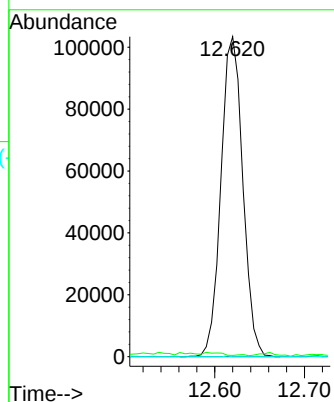
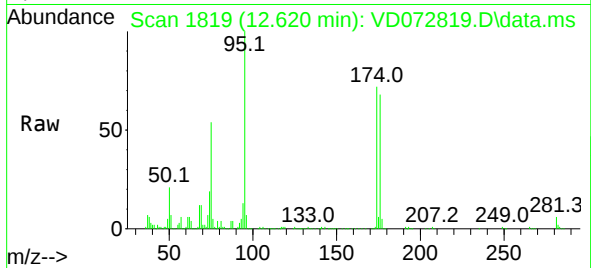




#81
trans-1,4-Dichloro-2-butene
Concen: 131.583 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Instrument :
MSVOA_D
ClientSampleId :
BU-2-050322

Tgt Ion: 75 Resp: 174610
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.340 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072819.D
Acq: 05 May 2022 19:34

Tgt Ion: 105 Resp: 24190
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.8

