

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049493.D
 Acq On : 29 Jun 2022 05:19
 Operator : SY/MD
 Sample : N3457-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE132D5-20220620

Quant Time: Jun 29 08:02:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

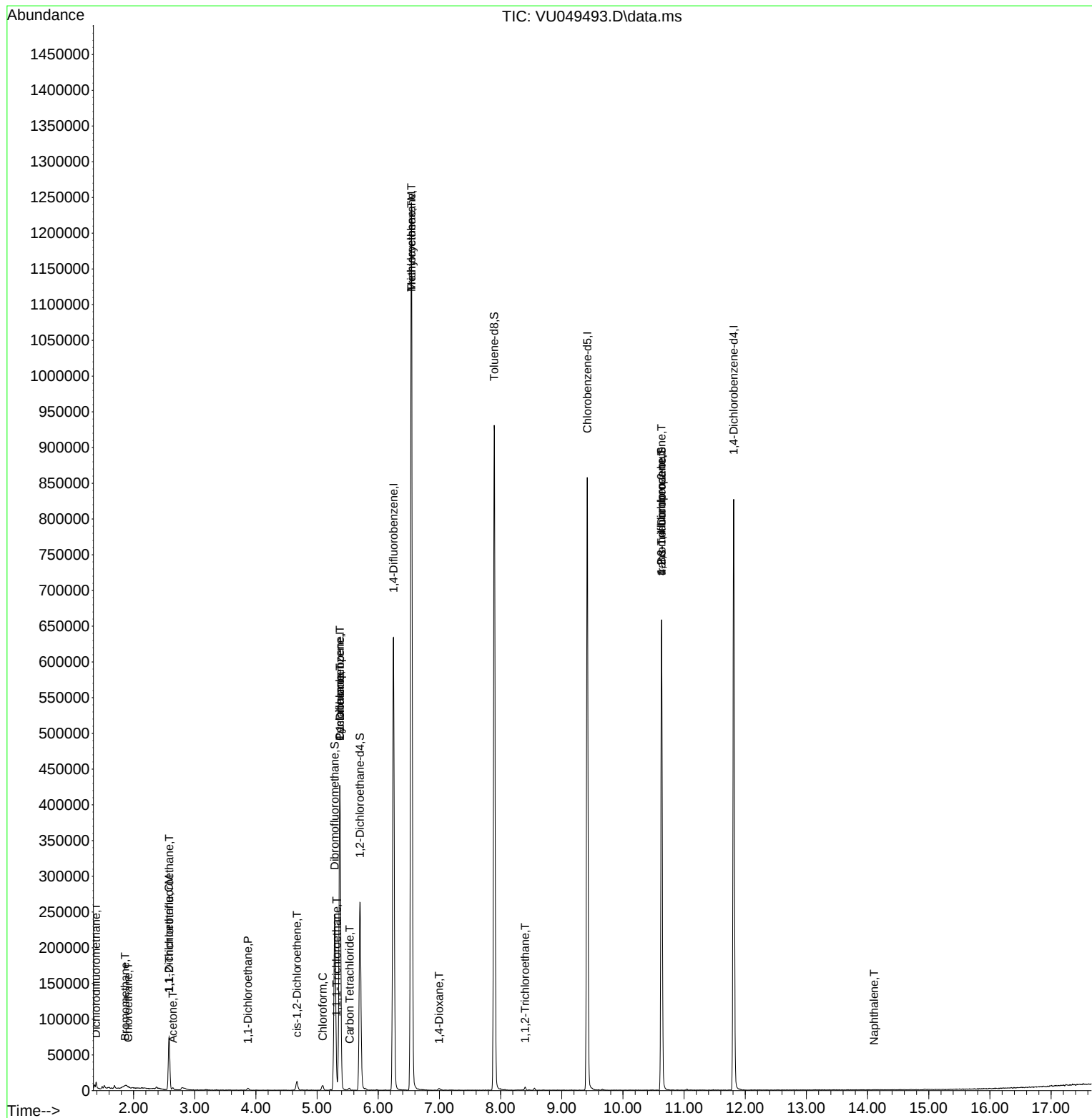
Internal Standards						
1) Pentafluorobenzene	5.372	168	292758	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	515208	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	472450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	221938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	199494	44.247	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.500%
35) Dibromofluoromethane	5.288	113	160258	44.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.920%
50) Toluene-d8	7.896	98	618831	48.134	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.260%
62) 4-Bromofluorobenzene	10.632	95	227864	46.268	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.540%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	2890	0.614	ug/l	99
3) Chloromethane	1.520	50	3463	Below Cal		94
5) Bromomethane	1.861	94	323	0.219	ug/l #	72
6) Chloroethane	1.912	64	111	1.964	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	24443	7.526	ug/l	94
12) 1,1-Dichloroethene	2.578	96	5480	1.723	ug/l	96
16) Acetone	2.642	43	2748	1.209	ug/l	100
20) Methylene Chloride	3.041	84	45	Below Cal	#	83
24) 1,1-Dichloroethane	3.867	63	3759	0.533	ug/l #	82
27) cis-1,2-Dichloroethene	4.671	96	7001	1.768	ug/l	93
30) Chloroform	5.092	83	5830	0.836	ug/l	98
31) Cyclohexane	5.372	56	6401	0.946	ug/l #	1
32) 1,1,1-Trichloroethane	5.317	97	1500	0.248	ug/l #	45
36) 1,1-Dichloropropene	5.372	75	23909	4.575	ug/l #	48
38) Carbon Tetrachloride	5.533	117	1802	0.329	ug/l	98
39) Methylcyclohexane	6.542	83	5039	0.804	ug/l #	1
44) Trichloroethene	6.542	130	418604	111.593	ug/l	89
49) 1,4-Dioxane	6.996	88	2307	18.361	ug/l #	1
55) 1,1,2-Trichloroethane	8.401	97	1348	0.348	ug/l #	89
76) 1,2,3-Trichloropropane	10.632	75	113379	15.070	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	113379	55.652	ug/l #	15
95) Naphthalene	14.108	128	451	1.761	ug/l #	69

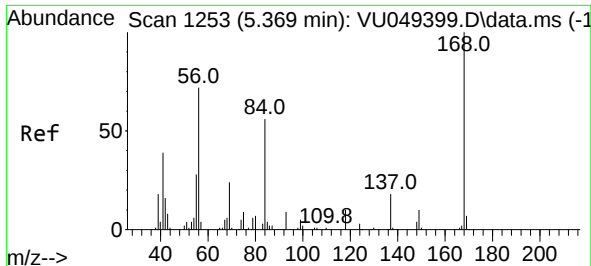
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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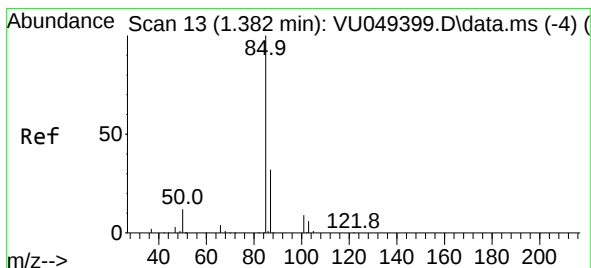
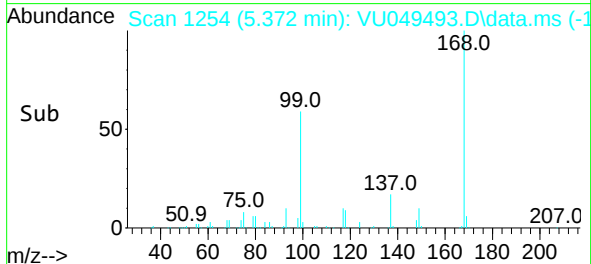
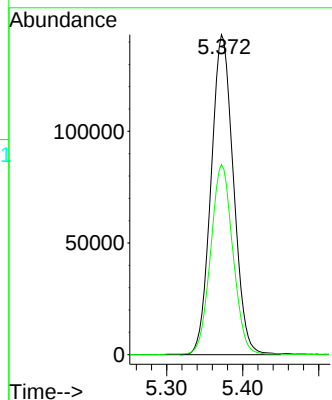
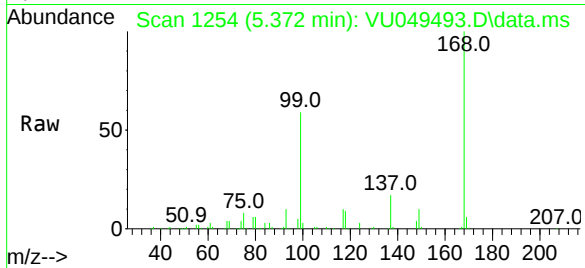




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

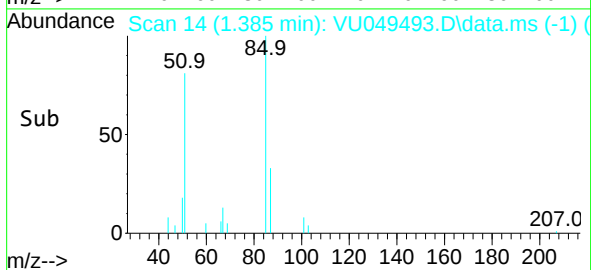
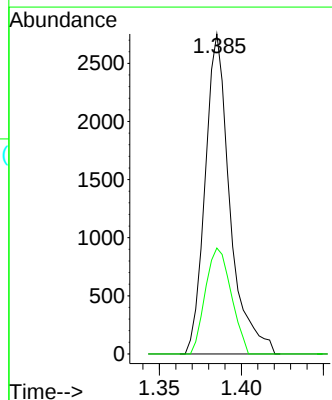
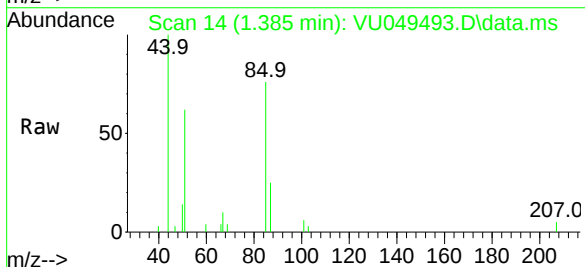
Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620

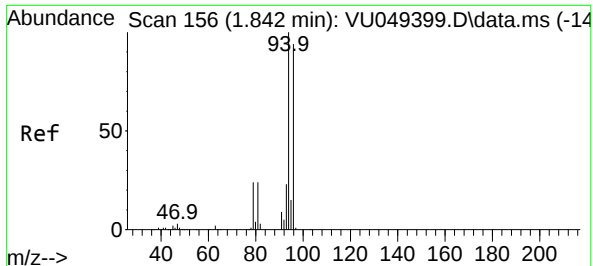
Tgt Ion:168 Resp: 292758
Ion Ratio Lower Upper
168 100
99 59.3 39.3 58.9#



#2
Dichlorodifluoromethane
Concen: 0.614 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 85 Resp: 2890
Ion Ratio Lower Upper
85 100
87 33.1 16.4 49.2

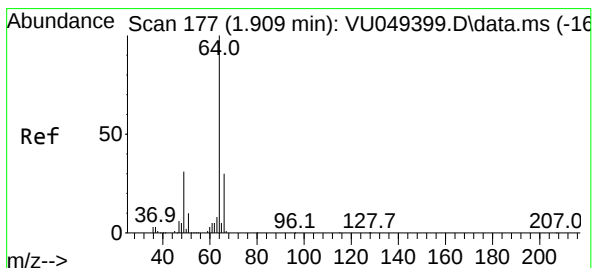
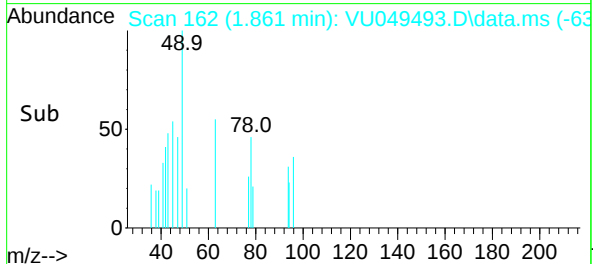
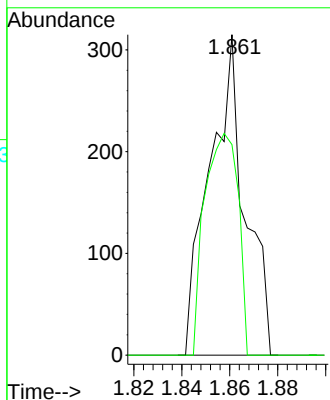
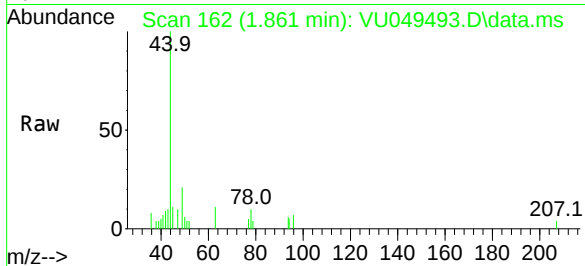




#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.861 min Scan# 110
Delta R.T. 0.019 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

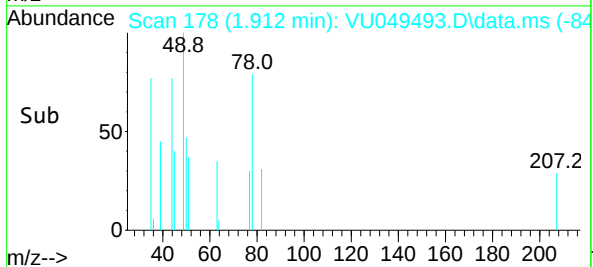
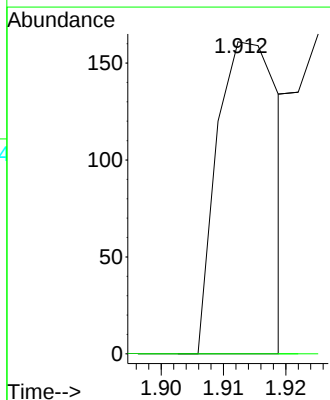
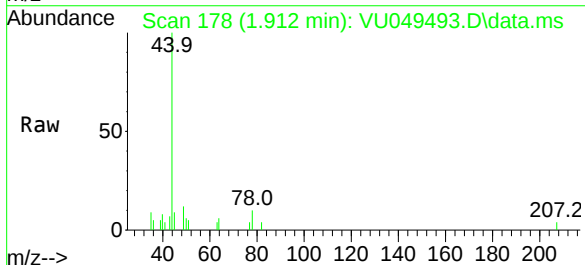
Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620

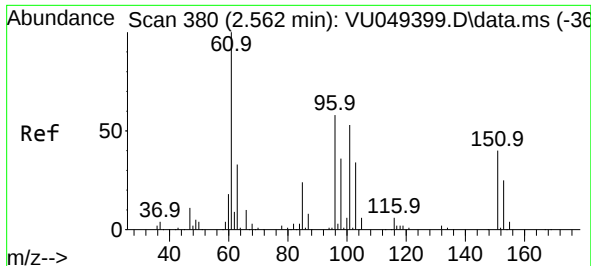
Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 65.7 73.7 110.5#



#6
Chloroethane
Concen: 1.964 ug/l
RT: 1.912 min Scan# 178
Delta R.T. 0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 64 Resp: 111
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

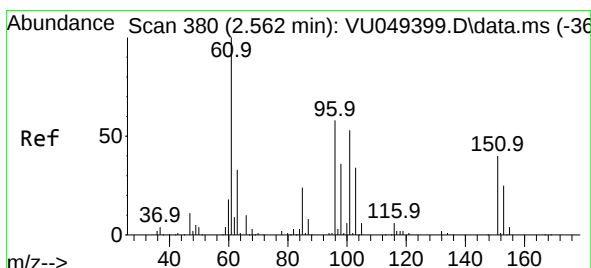
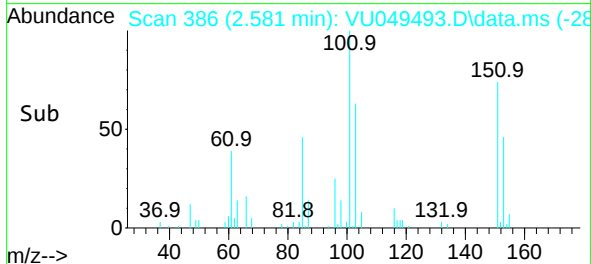
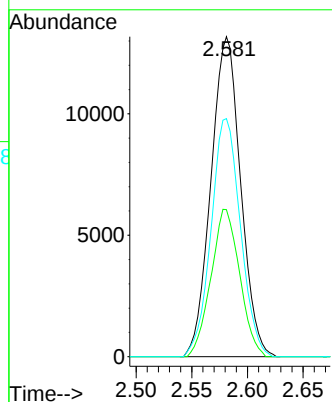
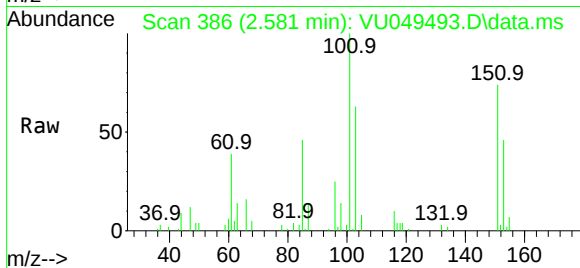




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.526 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

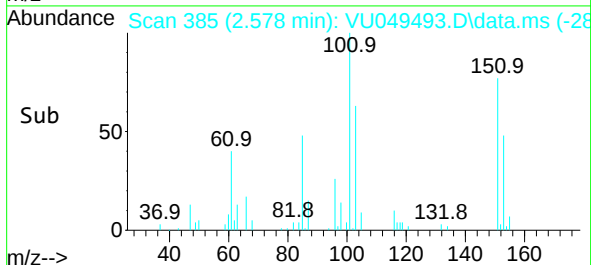
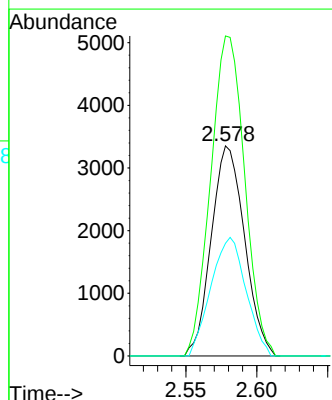
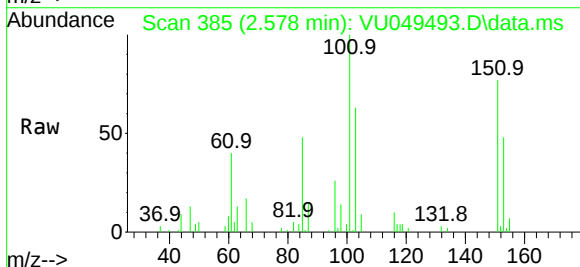
Instrument :
MSVOA_U
ClientSampleId :
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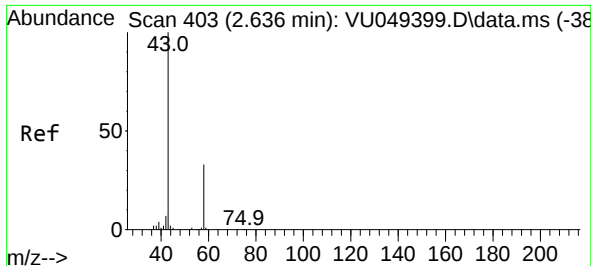
Tgt Ion:101 Resp: 24443
Ion Ratio Lower Upper
101 100
85 44.5 33.9 50.9
151 73.7 64.0 96.0



#12
1,1-Dichloroethene
Concen: 1.723 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 96 Resp: 5480
Ion Ratio Lower Upper
96 100
61 152.3 122.2 183.2
98 53.6 50.7 76.1

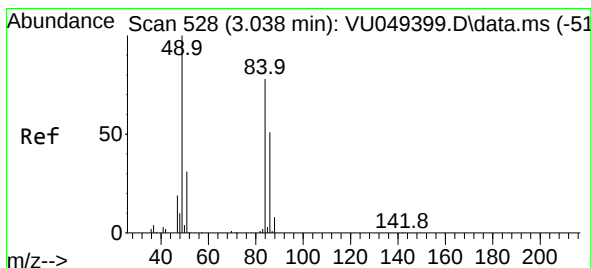
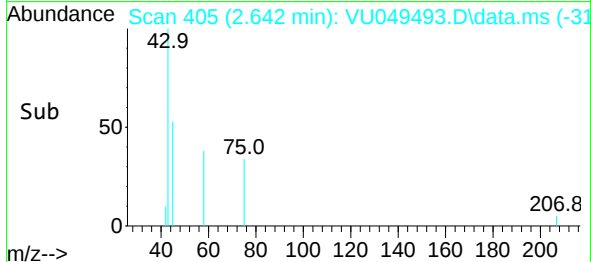
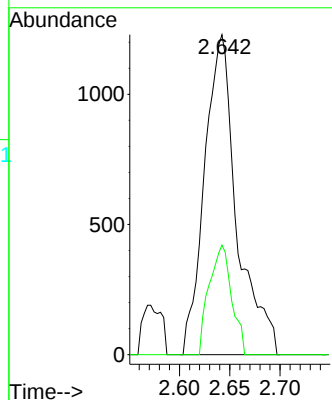
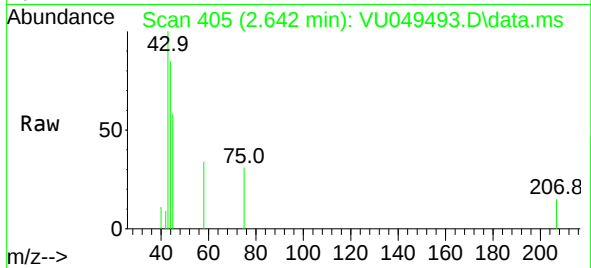




#16
Acetone
Concen: 1.209 ug/l
RT: 2.642 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

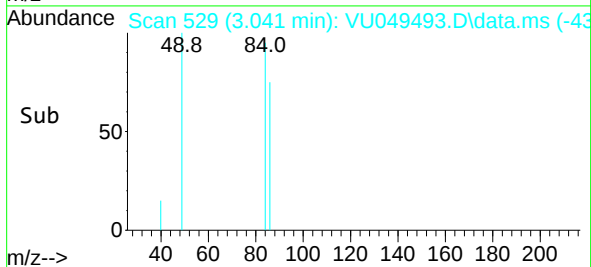
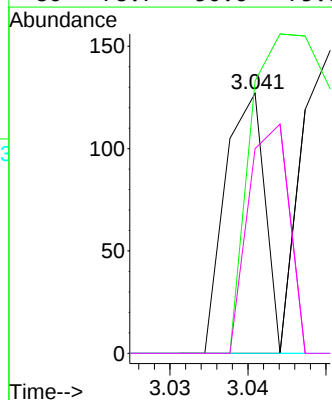
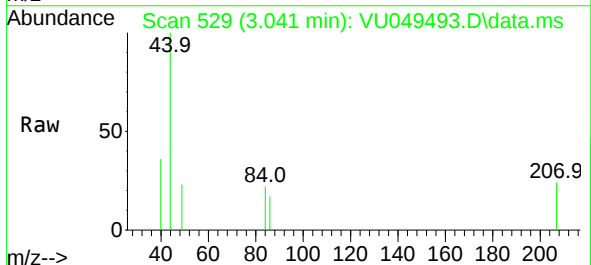
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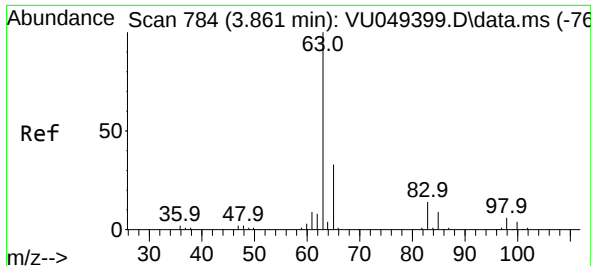
Tgt Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 84 Resp: 45
Ion Ratio Lower Upper
84 100
49 104.7 86.6 129.8
51 0.0 26.6 40.0#
86 78.7 50.6 75.8#

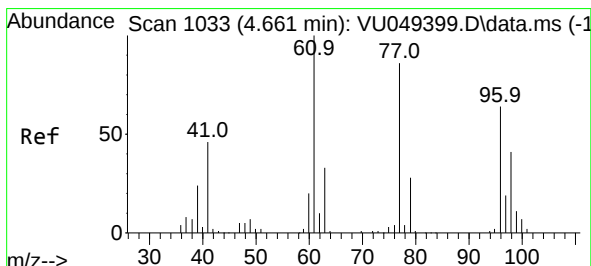
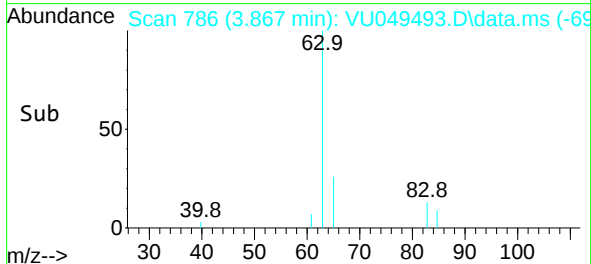
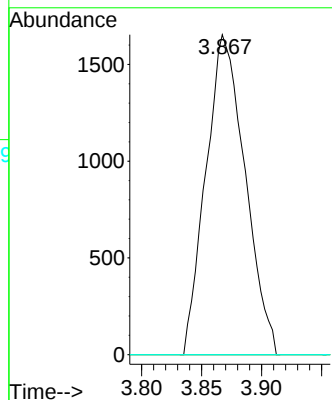
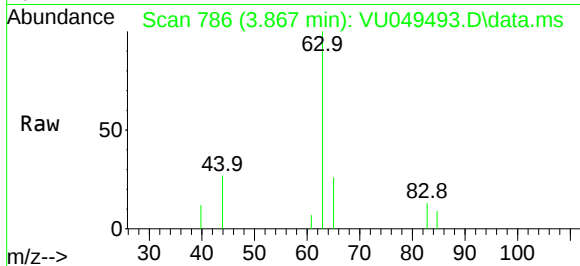




#24
1,1-Dichloroethane
Concen: 0.533 ug/l
RT: 3.867 min Scan# 71
Delta R.T. 0.006 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

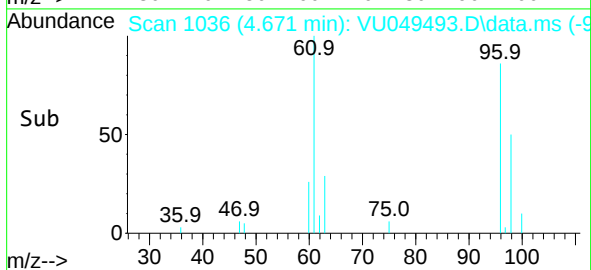
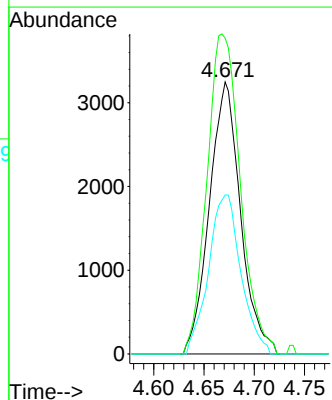
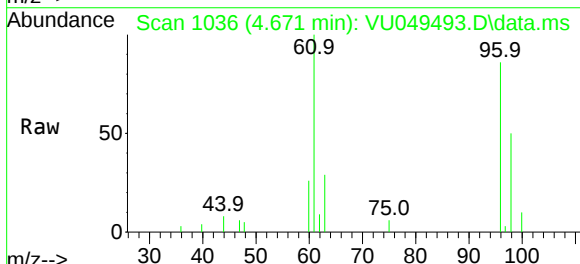
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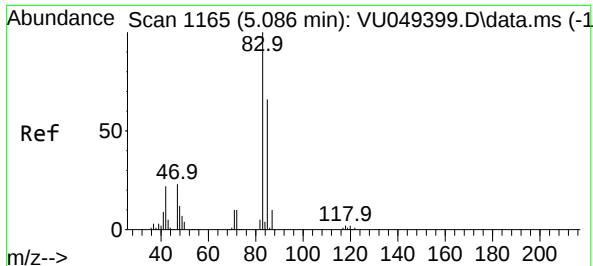
Tgt Ion: 63 Resp: 3759
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 1.768 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 96 Resp: 7001
Ion Ratio Lower Upper
96 100
61 125.9 0.0 271.6
98 60.7 0.0 128.2

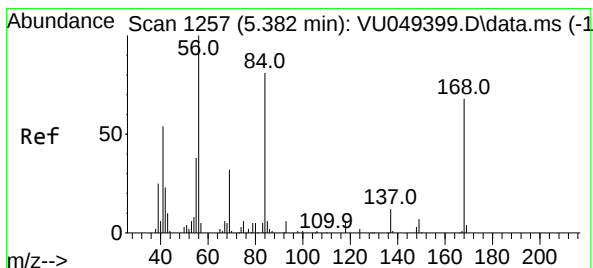
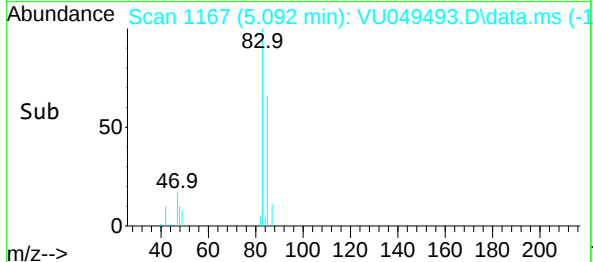
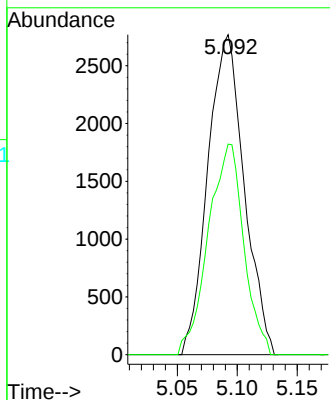
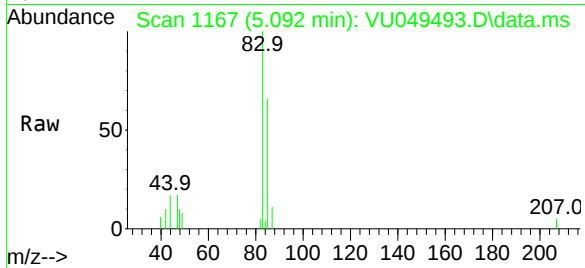




#30
Chloroform
Concen: 0.836 ug/l
RT: 5.092 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

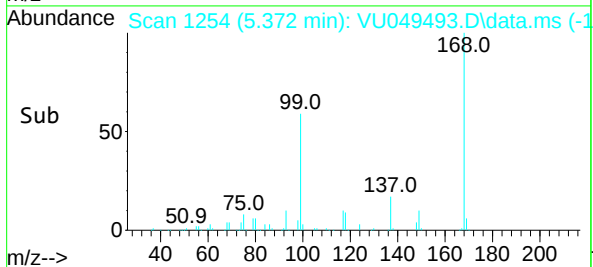
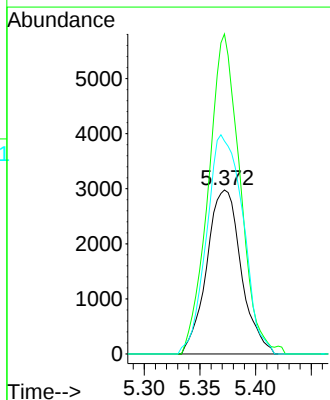
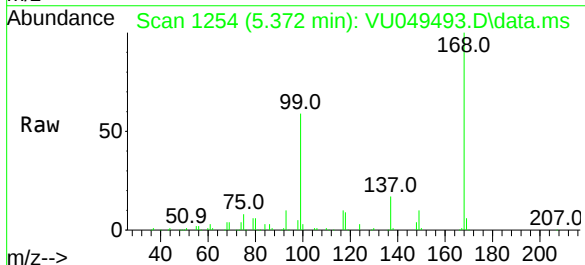
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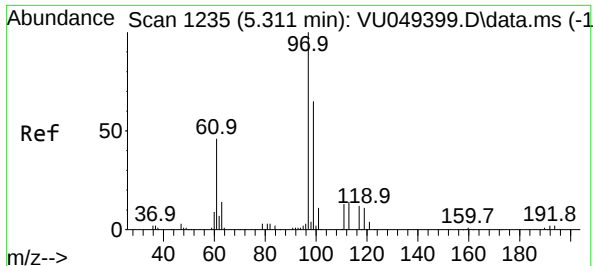
Tgt Ion: 83 Resp: 5830
Ion Ratio Lower Upper
83 100
85 65.8 51.2 76.8



#31
Cyclohexane
Concen: 0.946 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 56 Resp: 6401
Ion Ratio Lower Upper
56 100
69 195.0 27.8 41.8#
84 129.8 74.2 111.4#





#32

1,1,1-Trichloroethane

Concen: 0.248 ug/l

RT: 5.317 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

Instrument :

MSVOA_U

ClientSampleId :

RE132D5-20220620

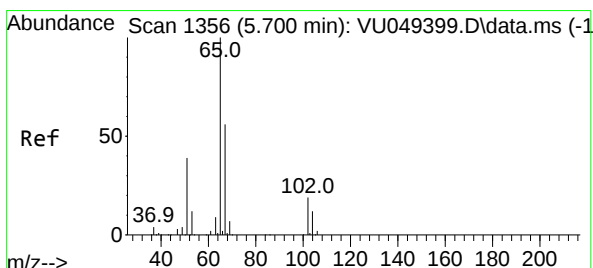
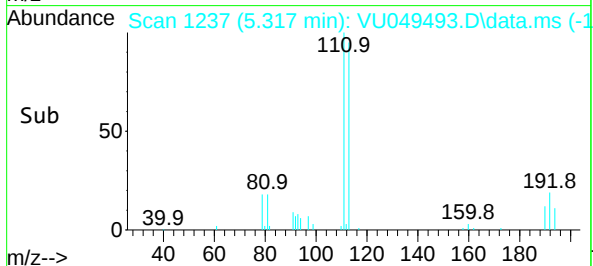
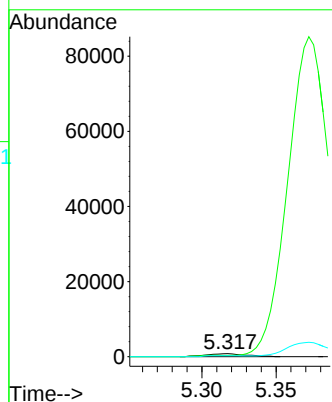
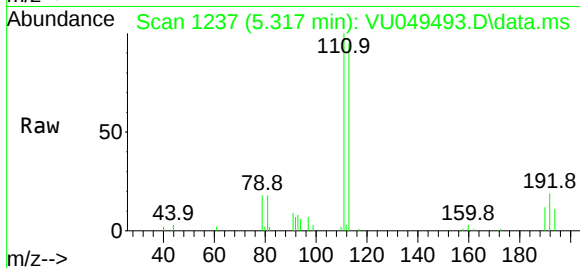
Tgt Ion: 97 Resp: 1500

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 34.2 35.1 52.7#



#33

1,2-Dichloroethane-d4

Concen: 44.247 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049493.D

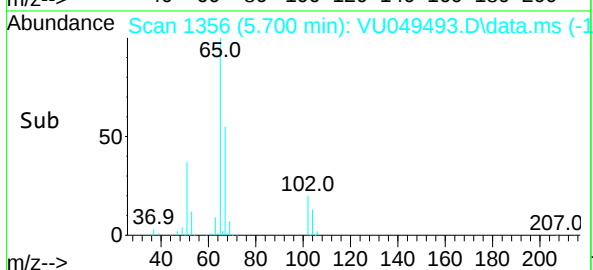
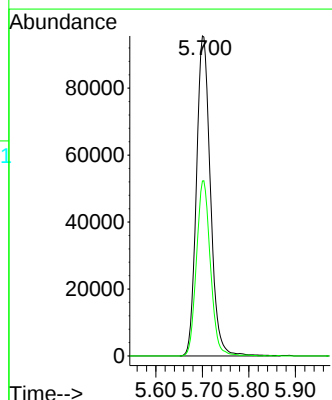
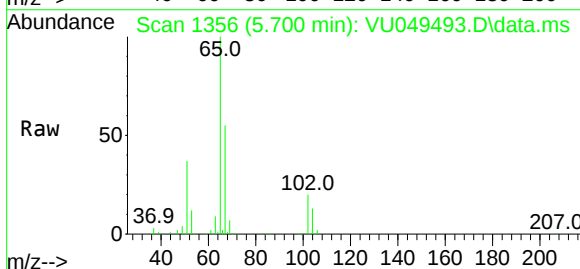
Acq: 29 Jun 2022 05:19

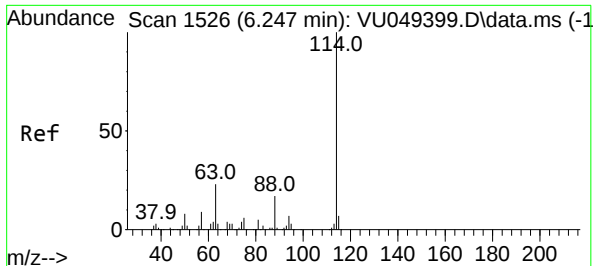
Tgt Ion: 65 Resp: 199494

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

Instrument :

MSVOA_U

ClientSampleId :

RE132D5-20220620

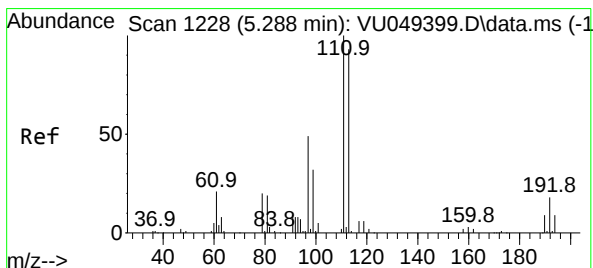
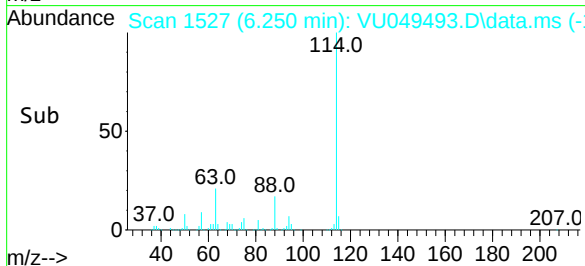
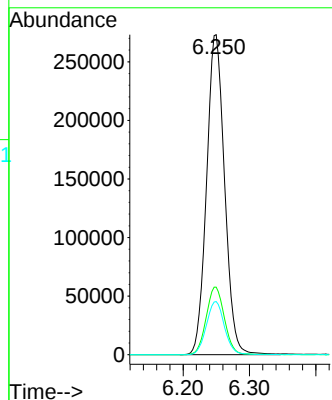
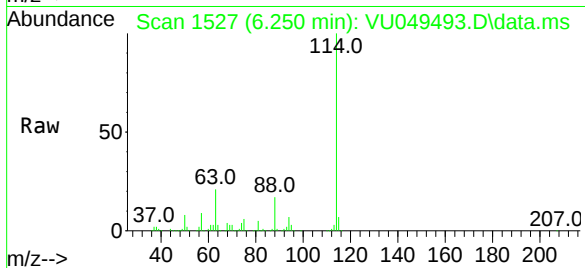
Tgt Ion:114 Resp: 515208

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.460 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

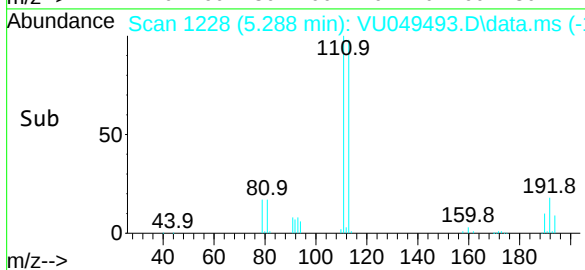
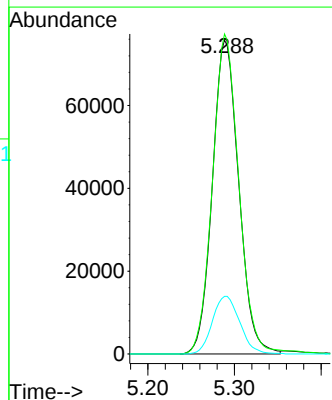
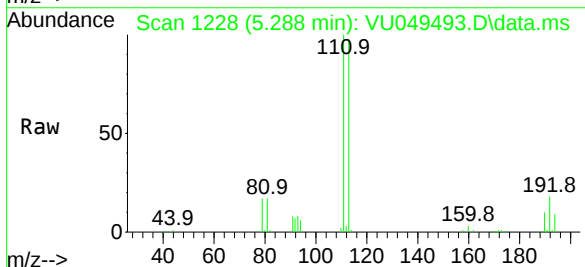
Tgt Ion:113 Resp: 160258

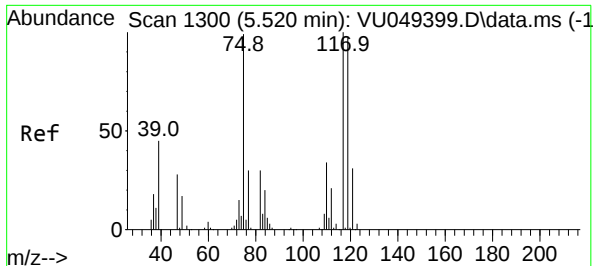
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.575 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

Instrument :

MSVOA_U

ClientSampleId :

RE132D5-20220620

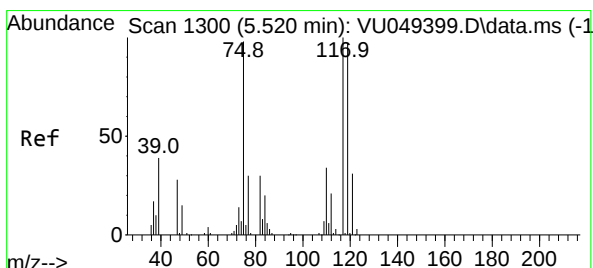
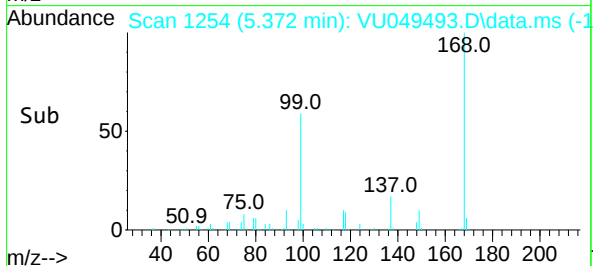
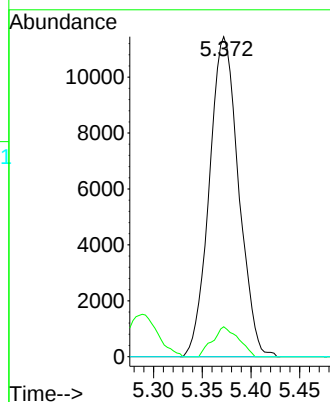
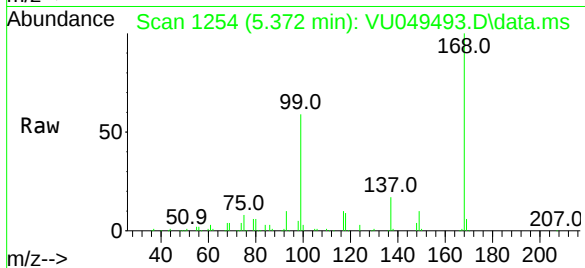
Tgt Ion: 75 Resp: 23909

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 0.329 ug/l

RT: 5.533 min Scan# 1304

Delta R.T. 0.013 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

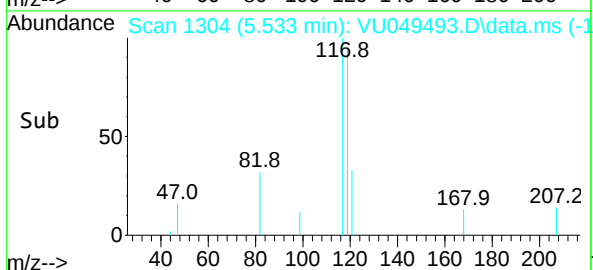
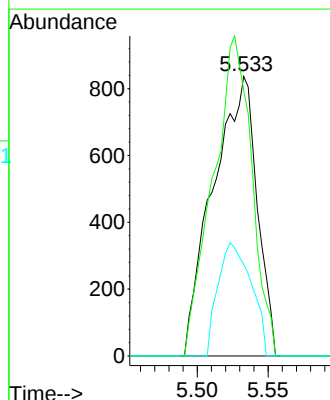
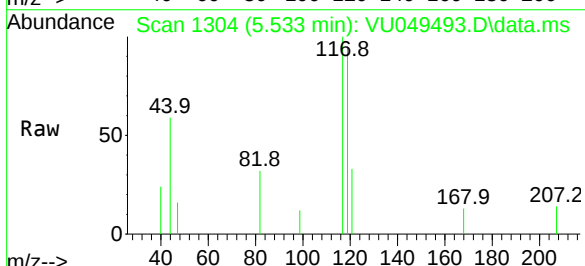
Tgt Ion: 117 Resp: 1802

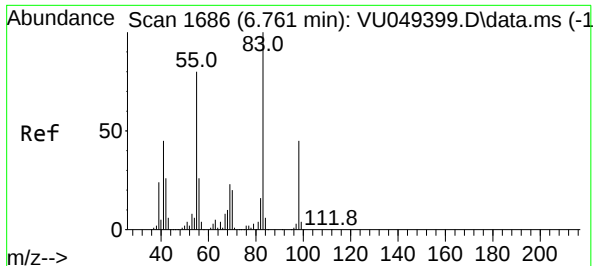
Ion Ratio Lower Upper

117 100

119 95.0 76.8 115.2

121 32.7 24.7 37.1





#39

Methylcyclohexane

Concen: 0.804 ug/l

RT: 6.542 min Scan# 1

Delta R.T. -0.219 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

Instrument :

MSVOA_U

ClientSampleId :

RE132D5-20220620

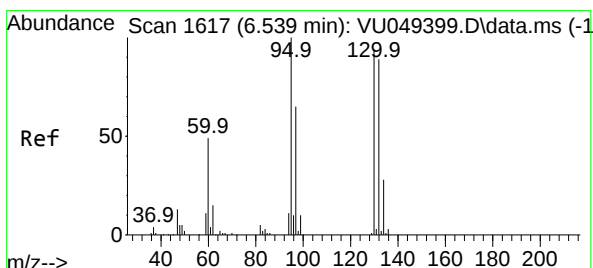
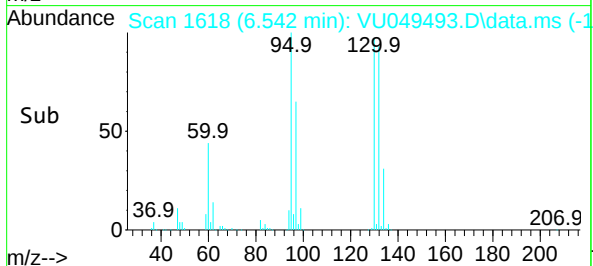
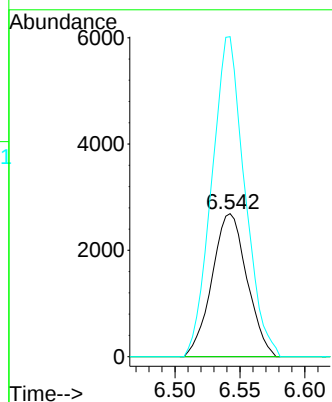
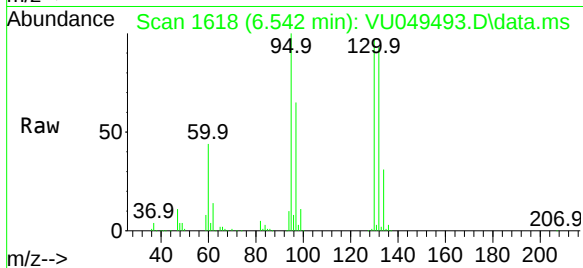
Tgt Ion: 83 Resp: 5039

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 223.8 37.3 55.9#



#44

Trichloroethene

Concen: 111.593 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049493.D

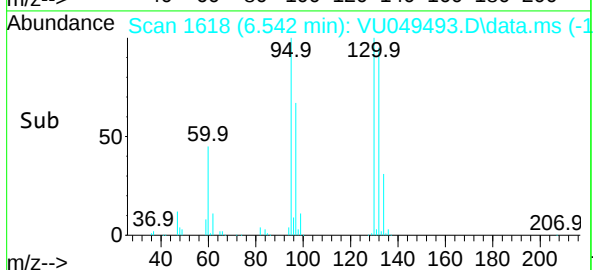
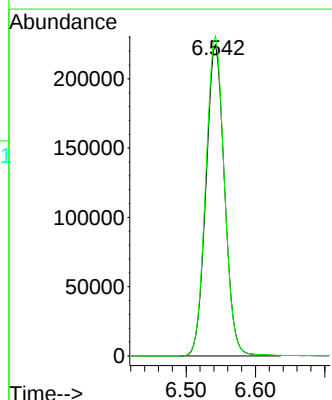
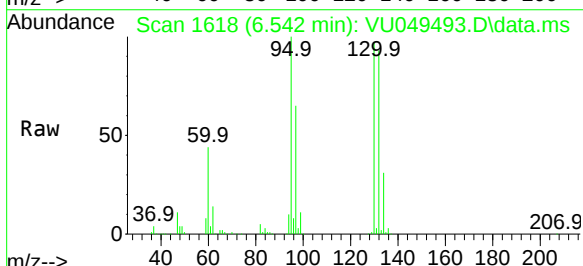
Acq: 29 Jun 2022 05:19

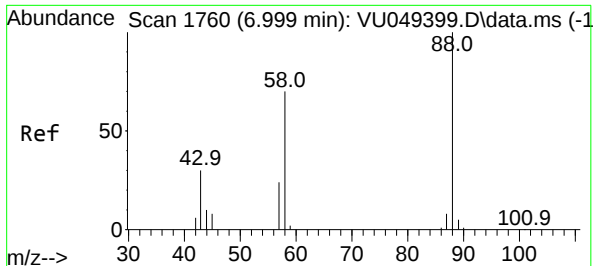
Tgt Ion:130 Resp: 418604

Ion Ratio Lower Upper

130 100

95 102.9 0.0 184.6





#49

1,4-Dioxane

Concen: 18.361 ug/l

RT: 6.996 min Scan# 1759

Delta R.T. -0.003 min

Lab File: VU049493.D

Acq: 29 Jun 2022 05:19

Instrument :

MSVOA_U

ClientSampleId :

RE132D5-20220620

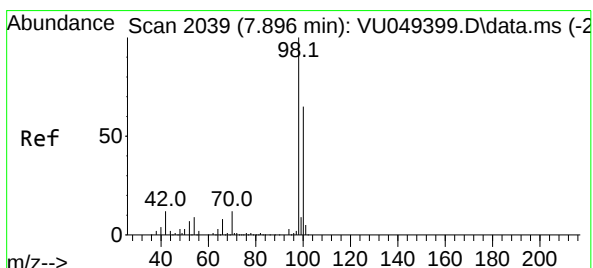
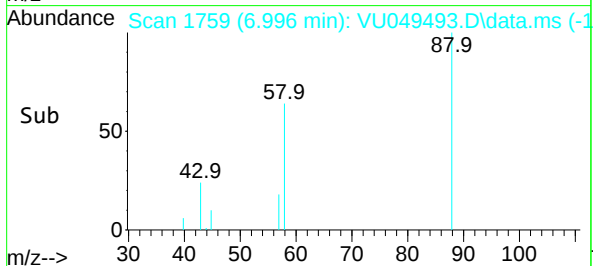
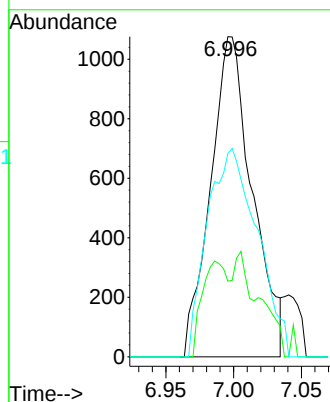
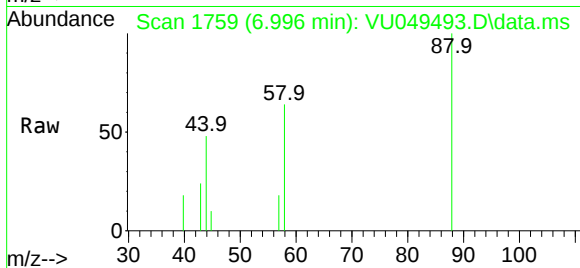
Tgt Ion: 88 Resp: 2307

Ion Ratio Lower Upper

88 100

43 19.1 0.0 0.0#

58 77.8 15.4 23.0#



#50

Toluene-d8

Concen: 48.134 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049493.D

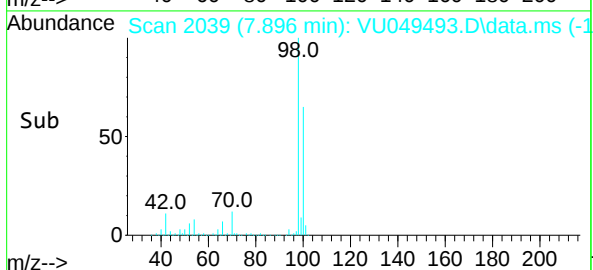
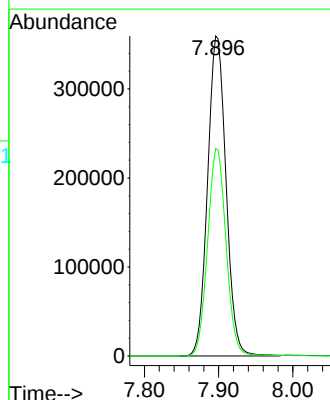
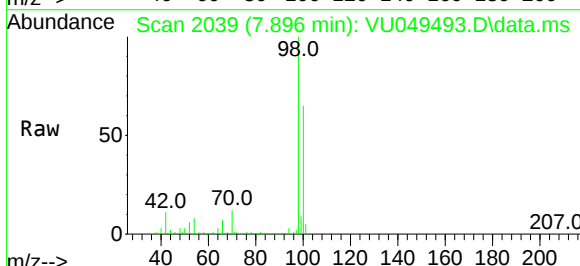
Acq: 29 Jun 2022 05:19

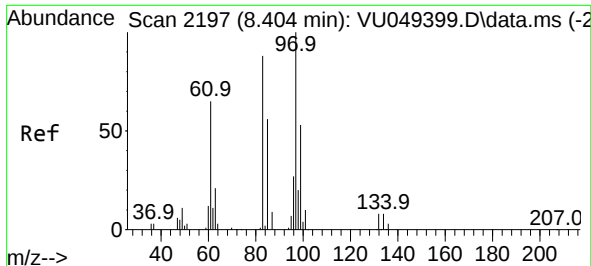
Tgt Ion: 98 Resp: 618831

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5

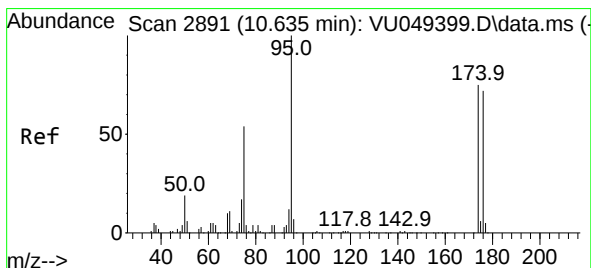
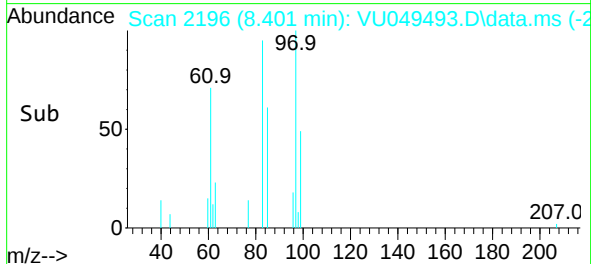
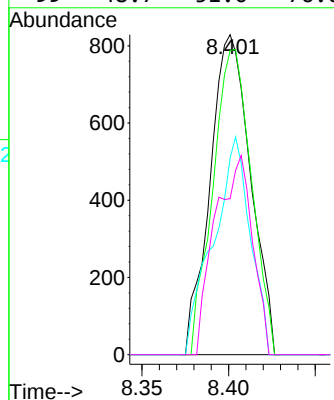
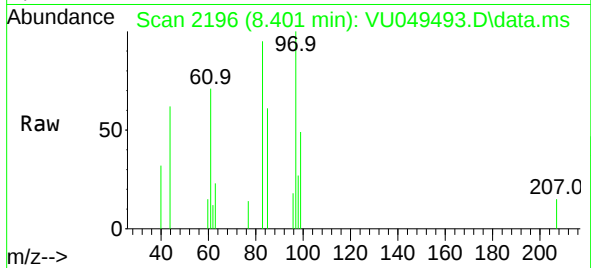




#55
1,1,2-Trichloroethane
Concen: 0.348 ug/l
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

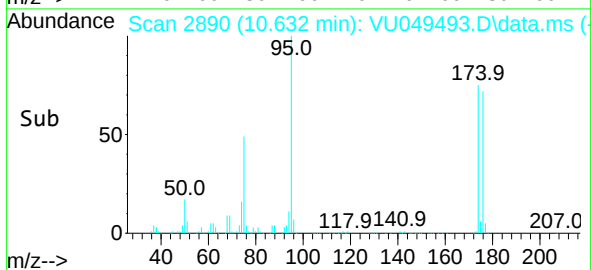
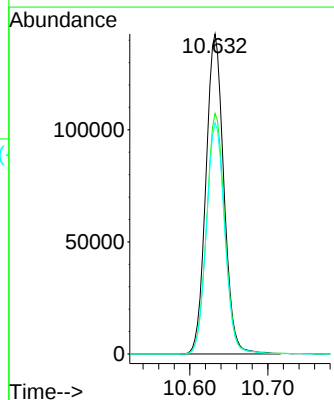
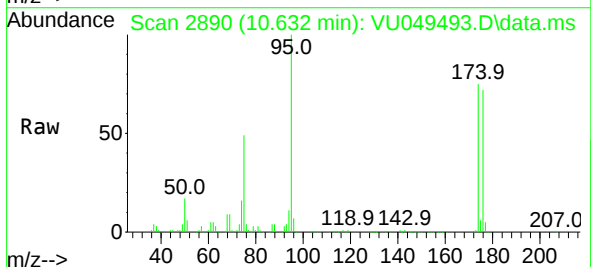
Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620

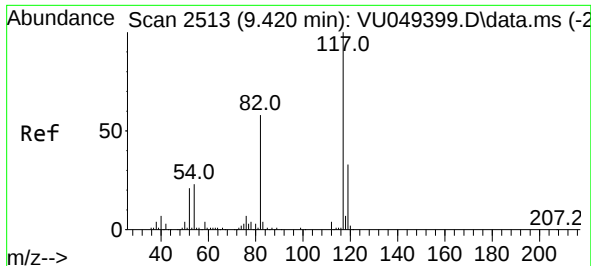
Tgt Ion: 97	Resp:	1348	
Ion	Ratio	Lower	Upper
97	100		
83	95.1	70.2	105.4
85	61.4	44.6	66.8
99	48.7	51.0	76.6#



#62
4-Bromofluorobenzene
Concen: 46.268 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion: 95	Resp: 227864
Ion Ratio	Lower Upper
95 100	
174 76.5	0.0 182.0
176 73.8	0.0 177.8

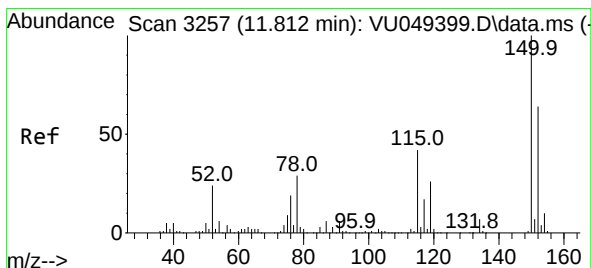
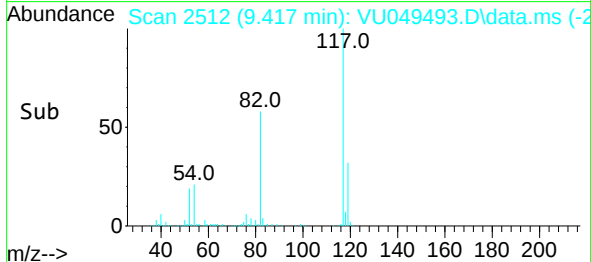
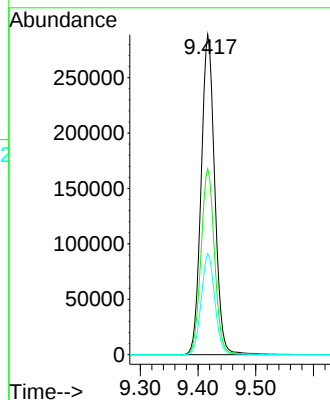
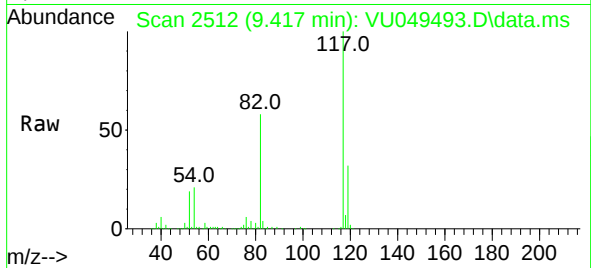




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

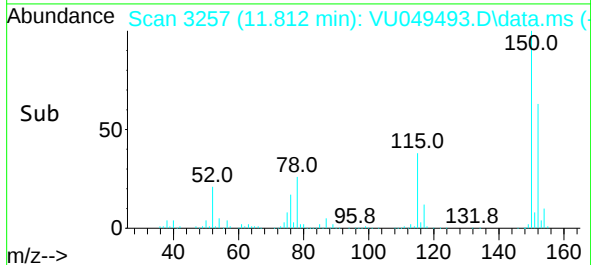
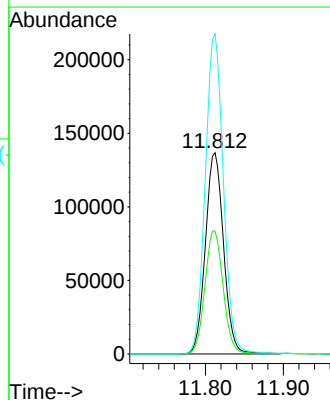
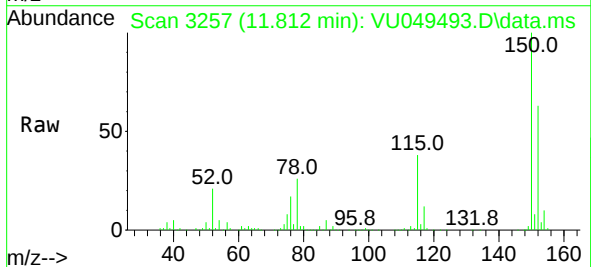
Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620

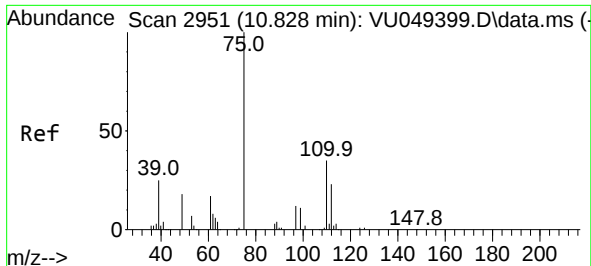
Tgt Ion:117 Resp: 472450
Ion Ratio Lower Upper
117 100
82 58.0 41.7 62.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Tgt Ion:152 Resp: 221938
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 158.2 0.0 342.2

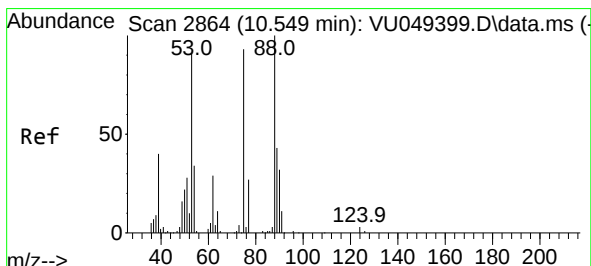
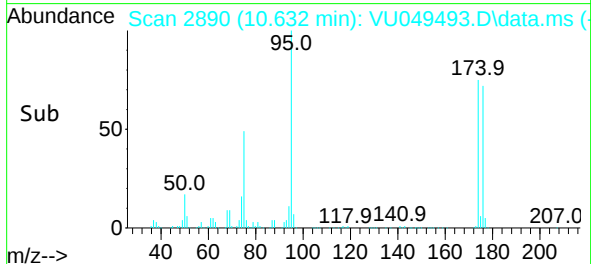
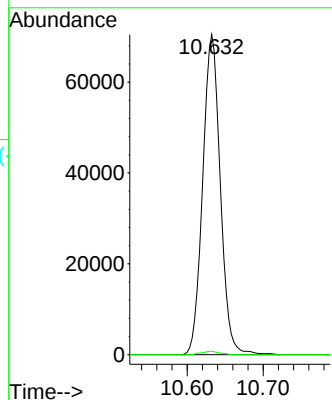
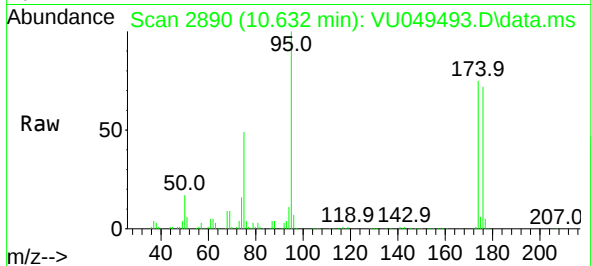




#76
1,2,3-Trichloropropane
Concen: 15.070 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

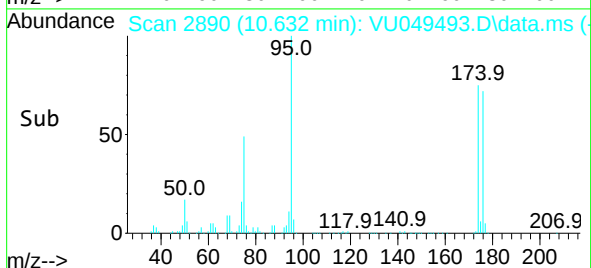
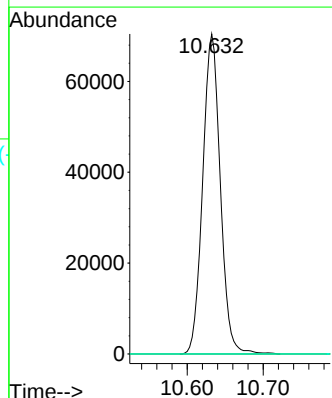
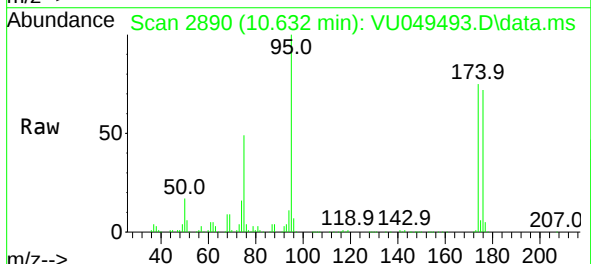
Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620

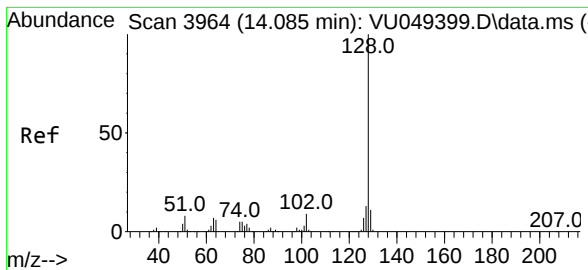
Tgt Ion: 75 Resp: 113379
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.652 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

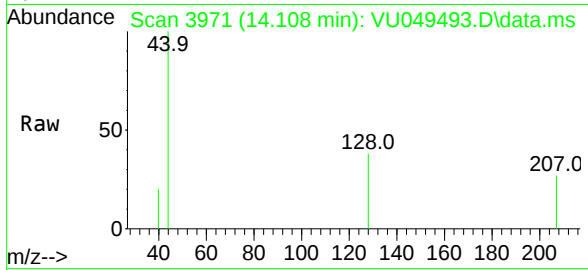
Tgt Ion: 75 Resp: 113379
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 1.761 ug/l
RT: 14.108 min Scan# 3964
Delta R.T. 0.023 min
Lab File: VU049493.D
Acq: 29 Jun 2022 05:19

Instrument :
MSVOA_U
ClientSampleId :
RE132D5-20220620



Tgt Ion:128 Resp: 451
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

