

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049495.D
 Acq On : 29 Jun 2022 06:06
 Operator : SY/MD
 Sample : N3457-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D2-20220621

Quant Time: Jun 29 08:03:23 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)

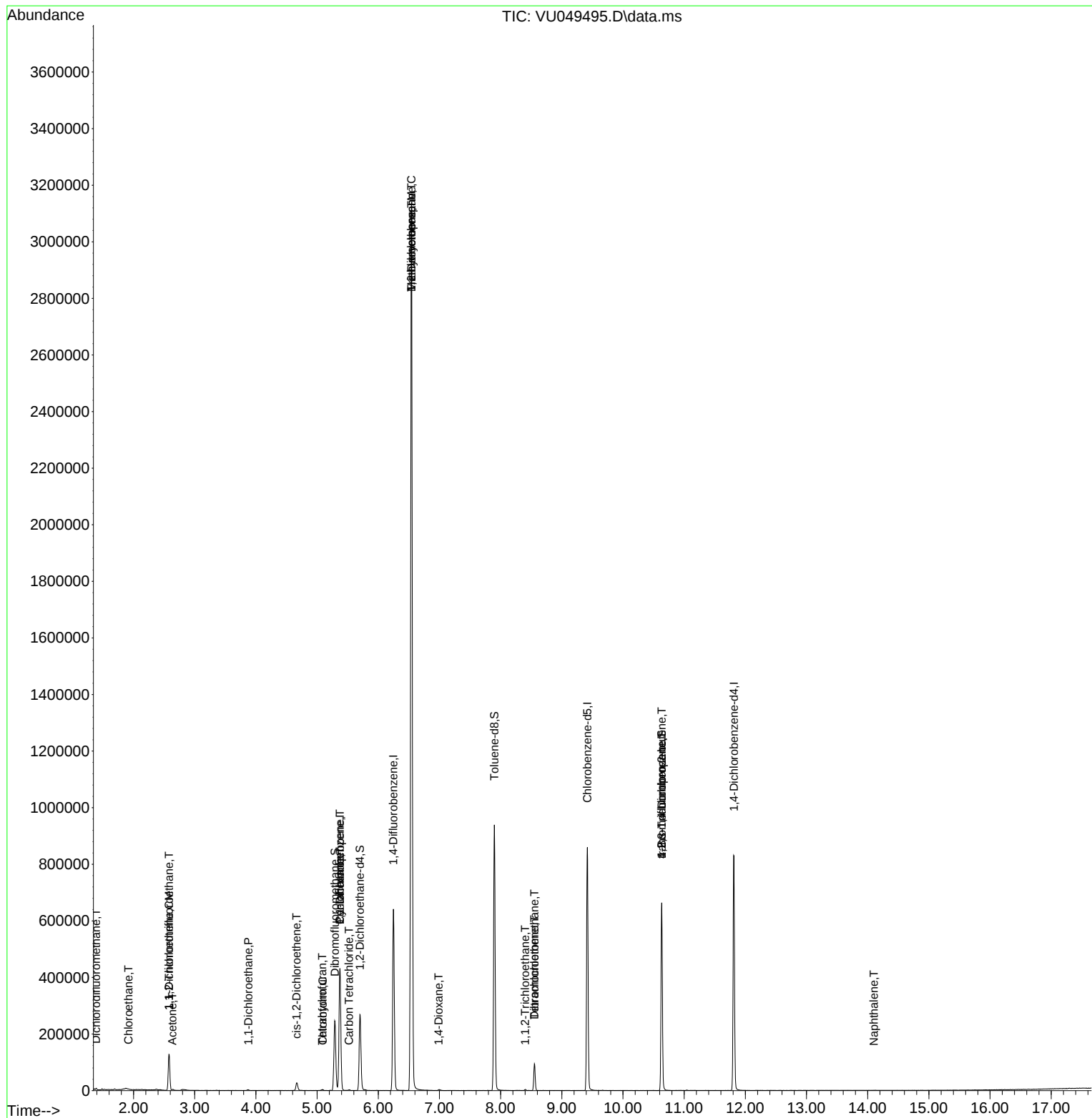
Internal Standards						
1) Pentafluorobenzene	5.372	168	299854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	523075	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	474633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	219791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	203940	44.162	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.320%
35) Dibromofluoromethane	5.289	113	164352	44.910	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.820%
50) Toluene-d8	7.896	98	619821	47.486	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.980%
62) 4-Bromofluorobenzene	10.633	95	231325	46.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.520%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	1182	0.245	ug/l	92
3) Chloromethane	1.520	50	1763	Below Cal		97
6) Chloroethane	1.916	64	86	1.952	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	38476	11.567	ug/l	95
12) 1,1-Dichloroethene	2.578	96	11801	3.623	ug/l	100
16) Acetone	2.636	43	1830	0.786	ug/l	93
20) Methylene Chloride	3.048	84	185	Below Cal	#	48
24) 1,1-Dichloroethane	3.877	63	3454	0.478	ug/l #	82
27) cis-1,2-Dichloroethene	4.665	96	15024	3.704	ug/l	94
29) Tetrahydrofuran	5.083	42	871	0.364	ug/l #	32
30) Chloroform	5.093	83	2562	0.359	ug/l	94
31) Cyclohexane	5.372	56	6018	0.868	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24193	4.559	ug/l #	47
38) Carbon Tetrachloride	5.520	117	1603	0.288	ug/l #	91
39) Methylcyclohexane	6.543	83	13299	2.091	ug/l #	1
44) Trichloroethene	6.543	130	1045763	274.591	ug/l	88
45) 1,2-Dichloropropane	6.543	63	3640	0.820	ug/l #	1
49) 1,4-Dioxane	6.986	88	1467	11.500	ug/l #	1
55) 1,1,2-Trichloroethane	8.401	97	1306	0.332	ug/l #	90
60) Dibromochloromethane	8.552	129	20352	4.971	ug/l #	11
64) Tetrachloroethene	8.552	164	20878	6.858	ug/l	95
76) 1,2,3-Trichloropropane	10.633	75	115319	15.478	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.633	75	115319	57.157	ug/l #	15
95) Naphthalene	14.102	128	241	1.749	ug/l #	69

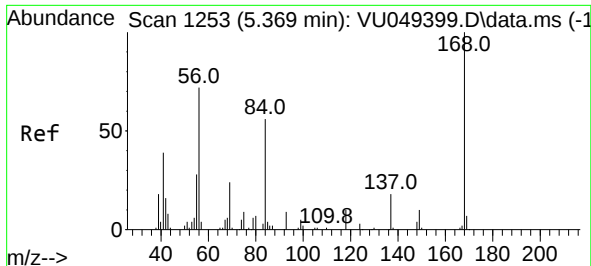
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
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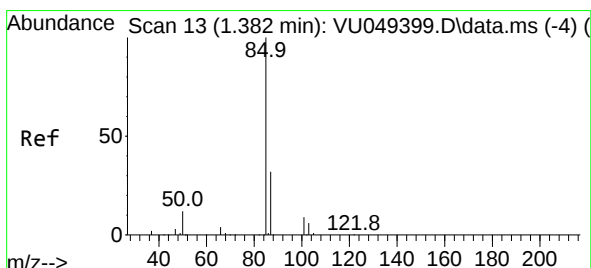
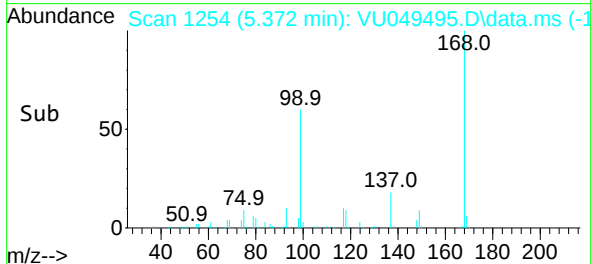
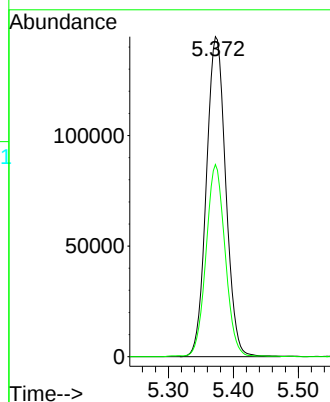
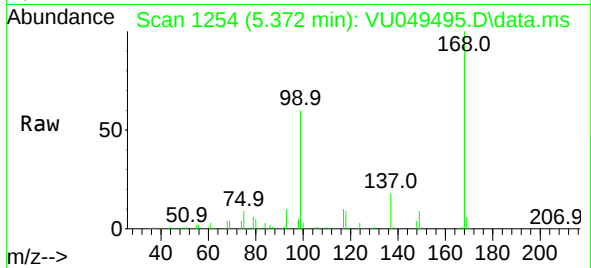




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

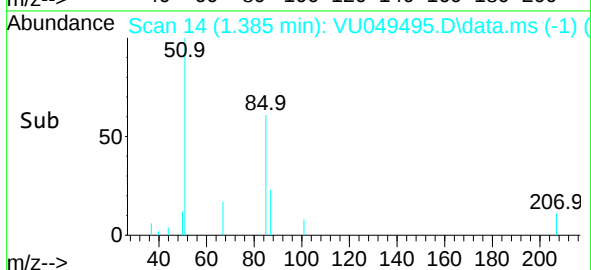
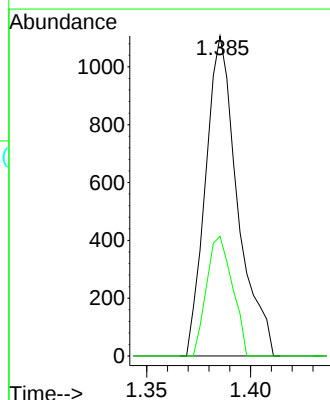
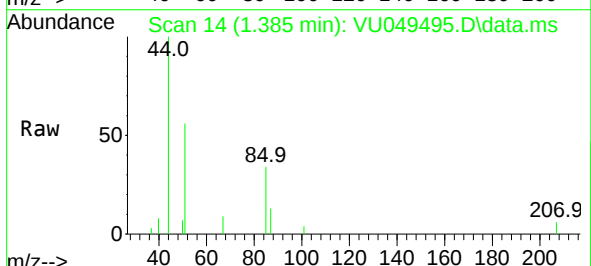
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

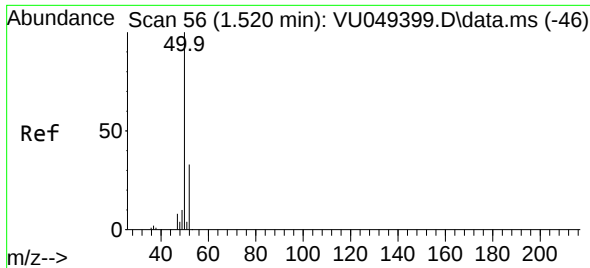
Tgt Ion:168 Resp: 299854
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#2
Dichlorodifluoromethane
Concen: 0.245 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

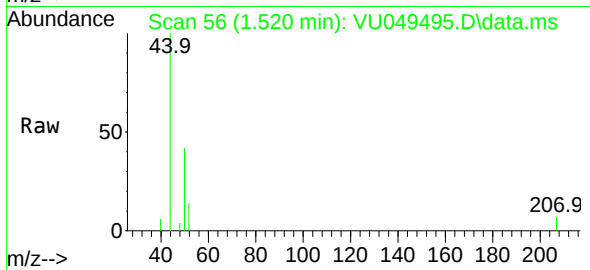
Tgt Ion: 85 Resp: 1182
Ion Ratio Lower Upper
85 100
87 37.4 16.4 49.2



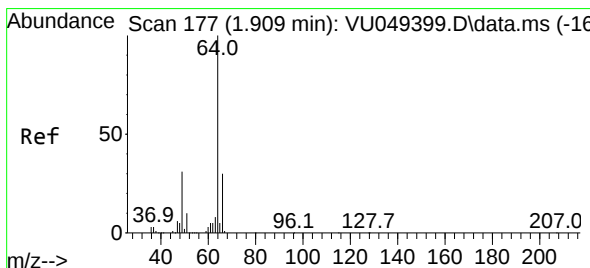
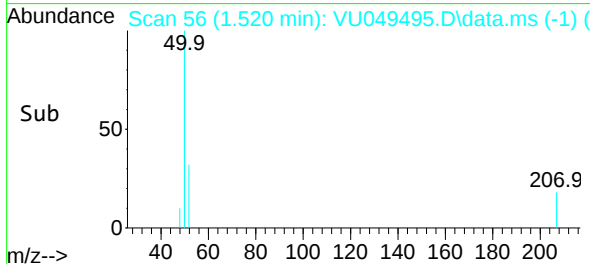
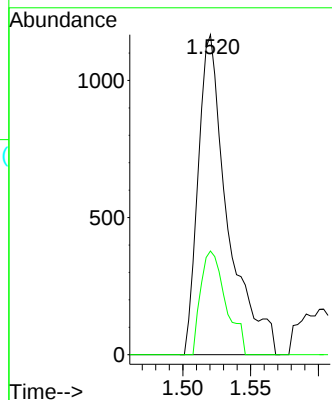


#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

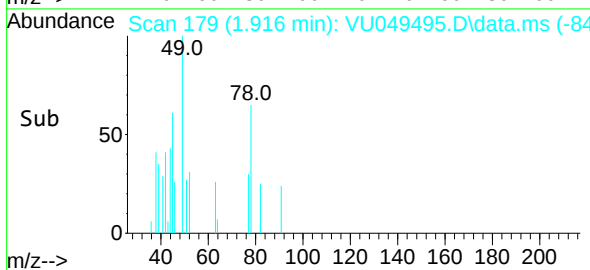
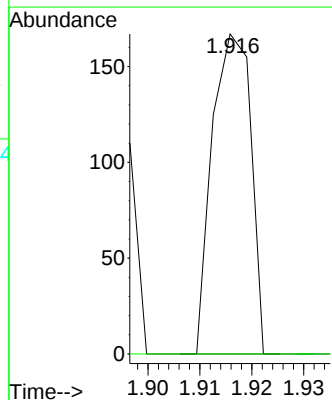
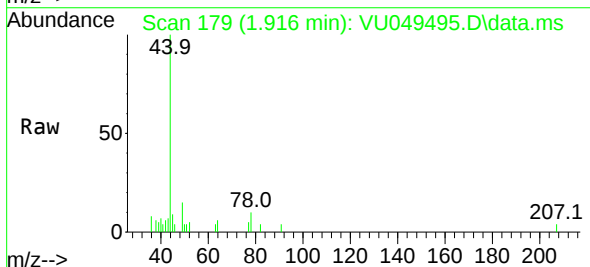


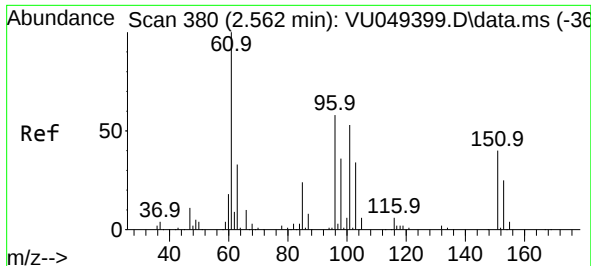
Tgt Ion: 50 Resp: 1763
Ion Ratio Lower Upper
50 100
52 32.4 27.4 41.2



#6
Chloroethane
Concen: 1.952 ug/l
RT: 1.916 min Scan# 179
Delta R.T. 0.007 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

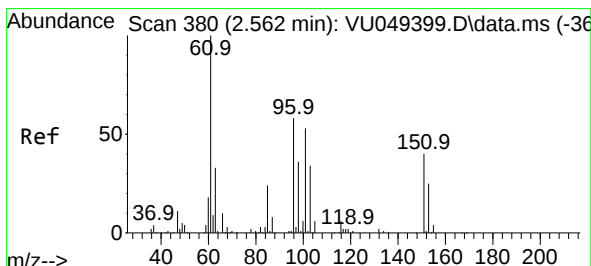
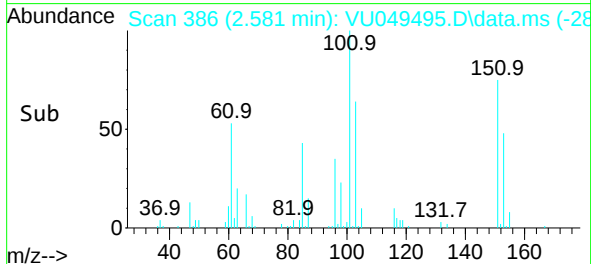
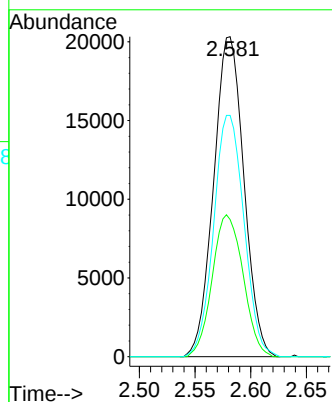
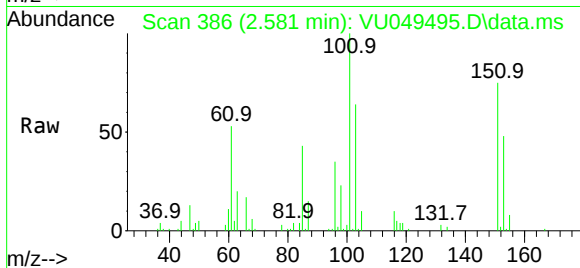




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.567 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.020 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

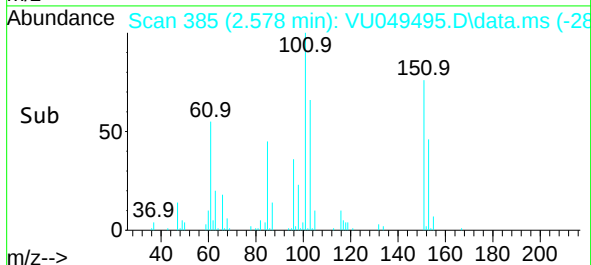
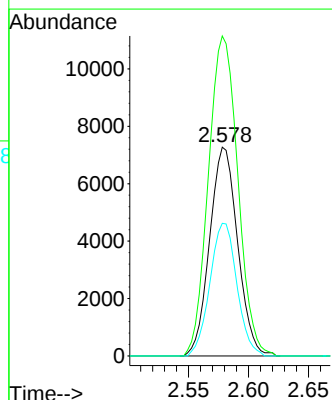
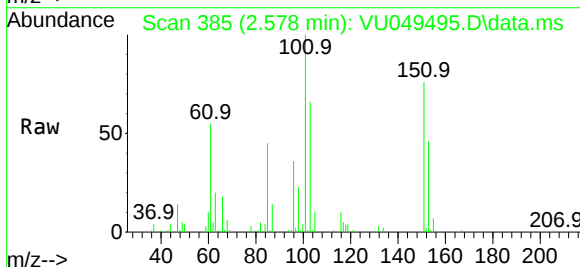
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

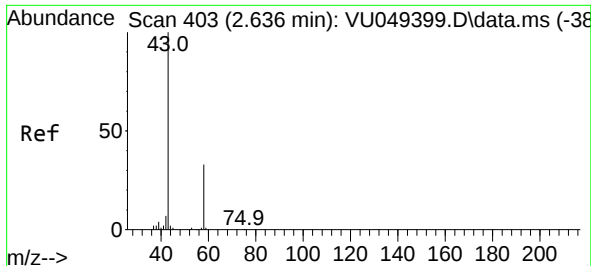
Tgt Ion:101 Resp: 38476
Ion Ratio Lower Upper
101 100
85 45.1 33.9 50.9
151 75.5 64.0 96.0



#12
1,1-Dichloroethene
Concen: 3.623 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 96 Resp: 11801
Ion Ratio Lower Upper
96 100
61 153.3 122.2 183.2
98 63.5 50.7 76.1





#16

Acetone

Concen: 0.786 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

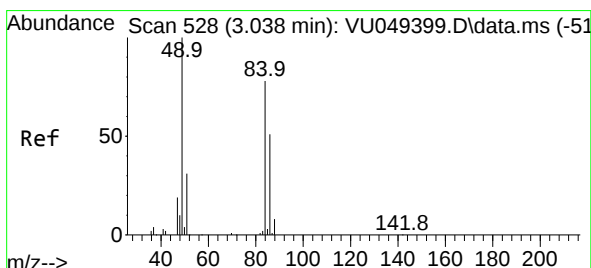
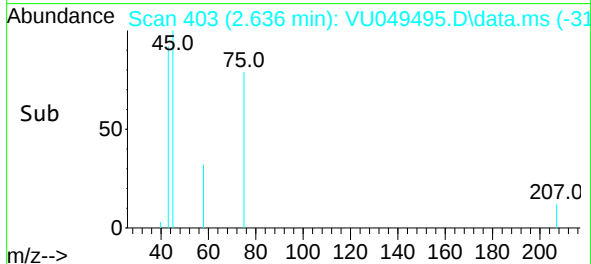
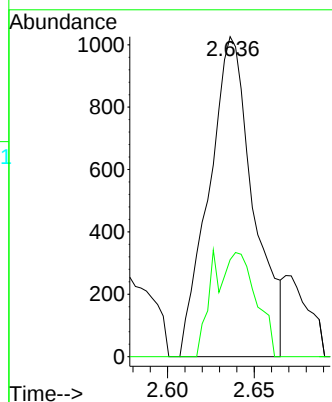
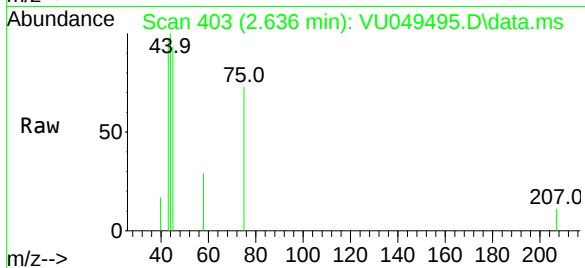
RE125D2-20220621

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

58 30.3 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.048 min Scan# 531

Delta R.T. 0.010 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Tgt Ion: 84 Resp: 185

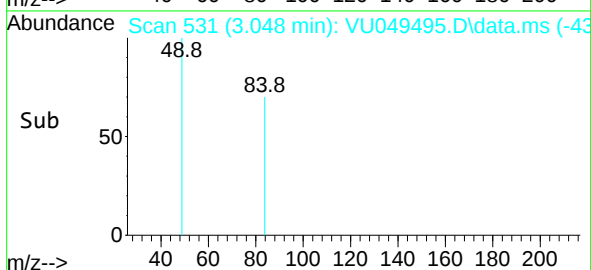
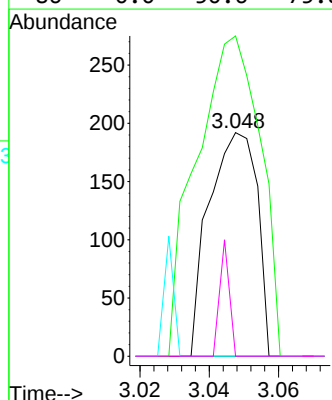
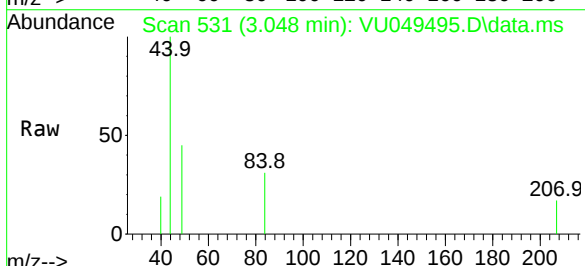
Ion Ratio Lower Upper

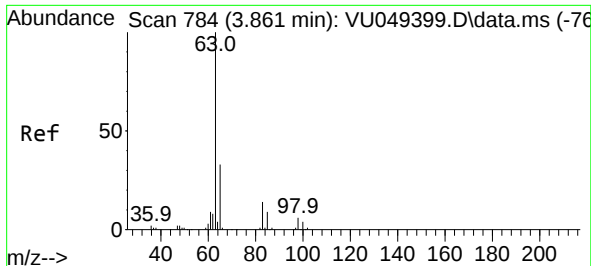
84 100

49 143.2 86.6 129.8#

51 0.0 26.6 40.0#

86 0.0 50.6 75.8#

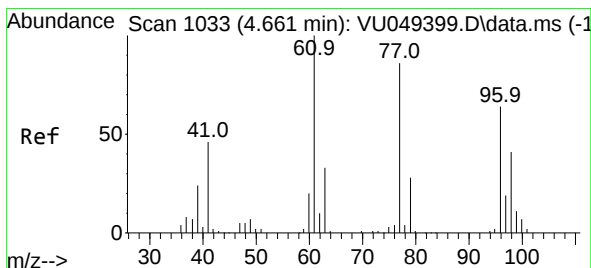
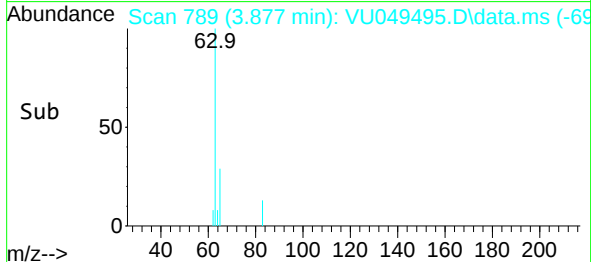
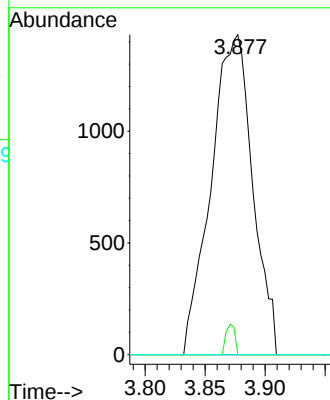
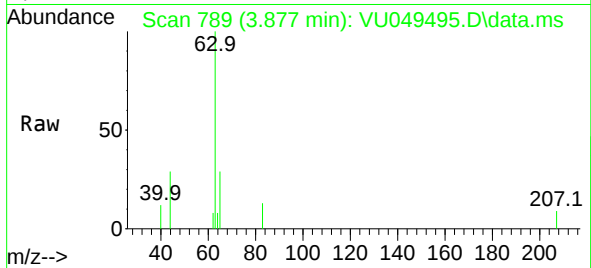




#24
1,1-Dichloroethane
Concen: 0.478 ug/l
RT: 3.877 min Scan# 71
Delta R.T. 0.016 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

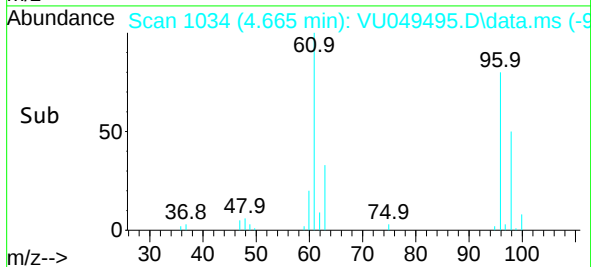
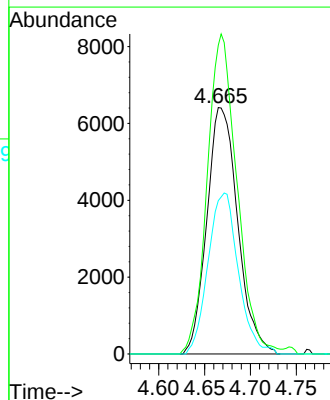
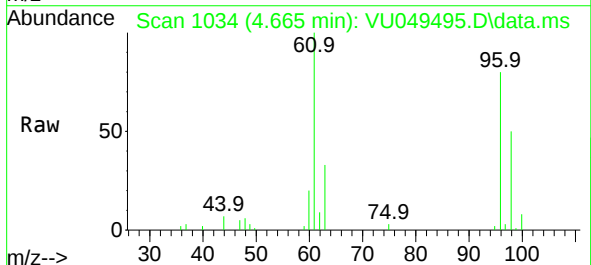
Instrument :
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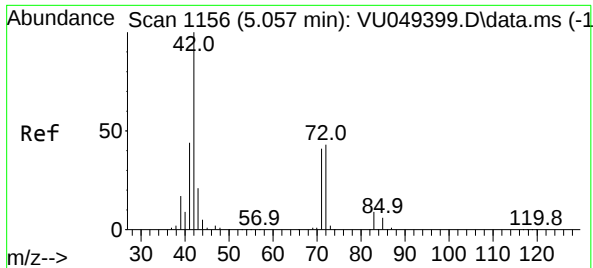
Tgt Ion: 63 Resp: 3454
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 3.704 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 96 Resp: 15024
Ion Ratio Lower Upper
96 100
61 124.8 0.0 271.6
98 64.1 0.0 128.2





#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.026 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621

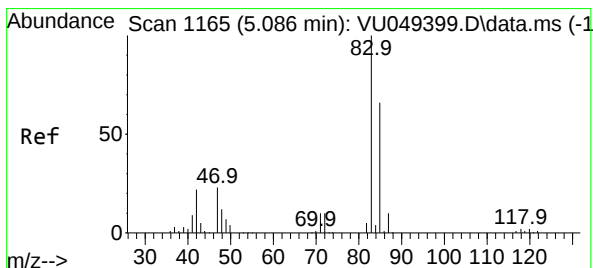
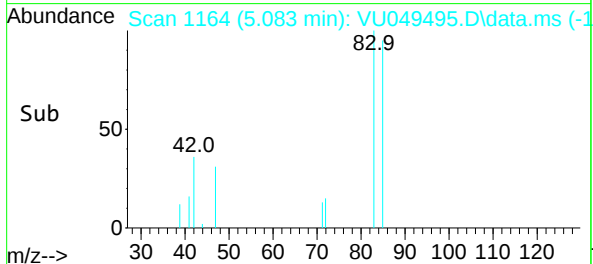
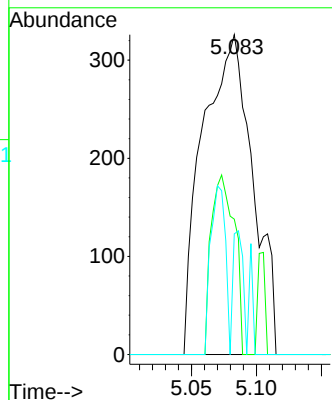
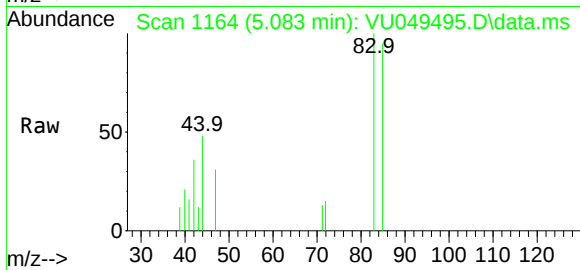
Tgt Ion: 42 Resp: 871

Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

71 7.7 40.3 60.5#



#30

Chloroform

Concen: 0.359 ug/l

RT: 5.093 min Scan# 1167

Delta R.T. 0.007 min

Lab File: VU049495.D

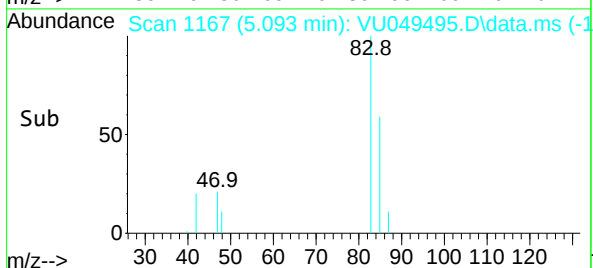
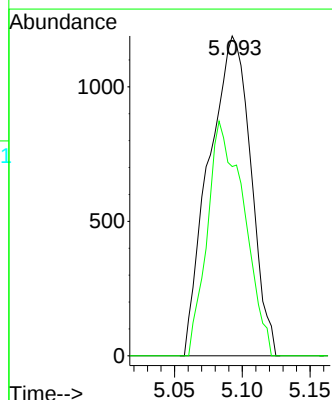
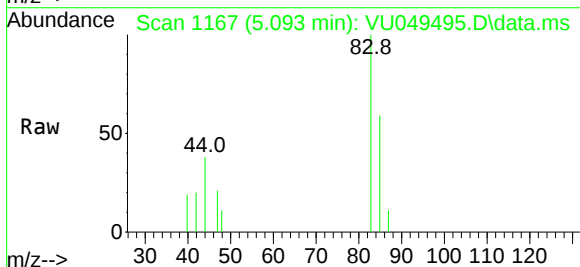
Acq: 29 Jun 2022 06:06

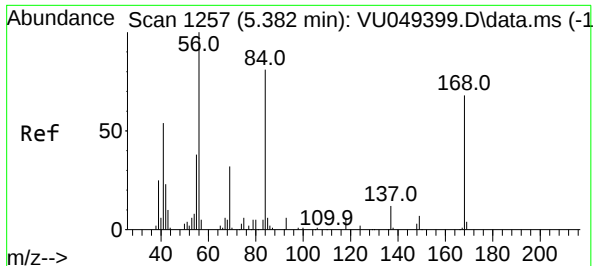
Tgt Ion: 83 Resp: 2562

Ion Ratio Lower Upper

83 100

85 59.2 51.2 76.8





#31

Cyclohexane

Concen: 0.868 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.009 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621

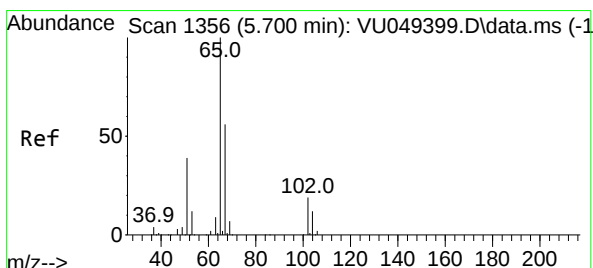
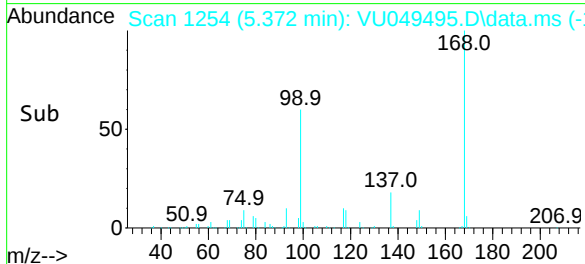
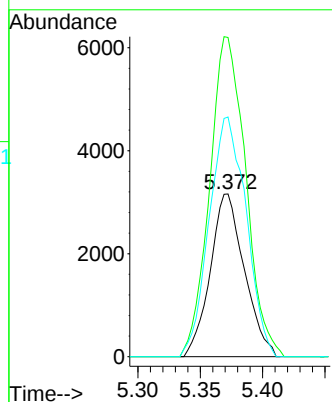
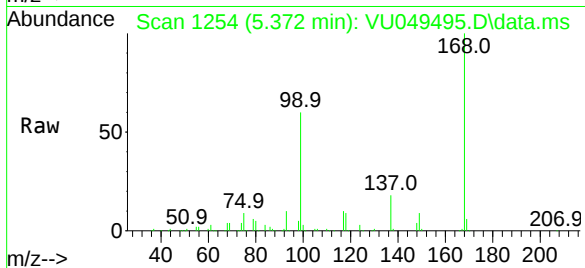
Tgt Ion: 56 Resp: 6018

Ion Ratio Lower Upper

56 100

69 196.0 27.8 41.8#

84 147.2 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 44.162 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049495.D

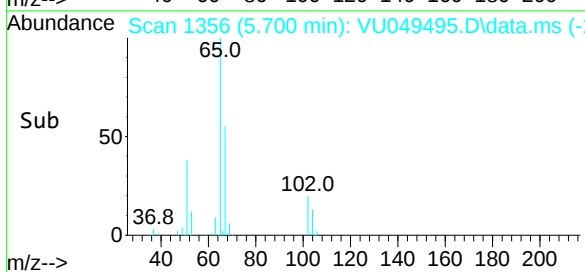
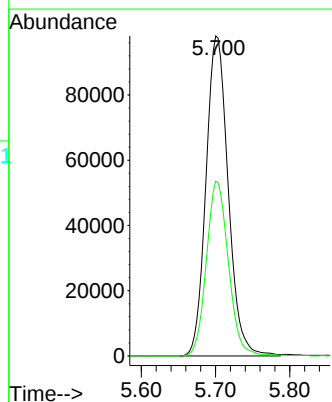
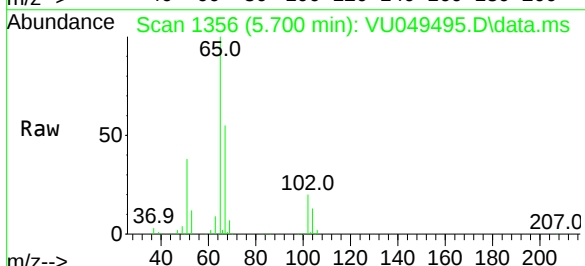
Acq: 29 Jun 2022 06:06

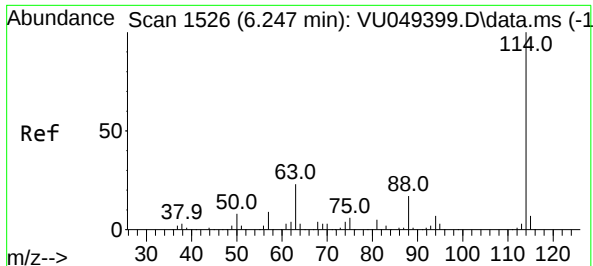
Tgt Ion: 65 Resp: 203940

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621

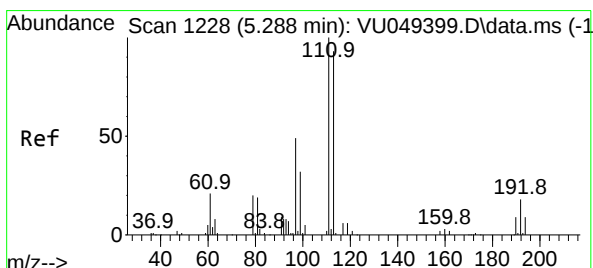
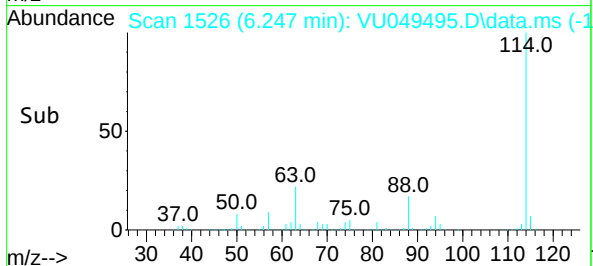
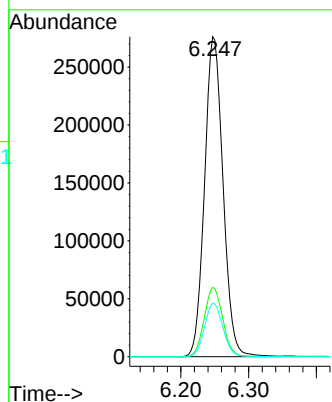
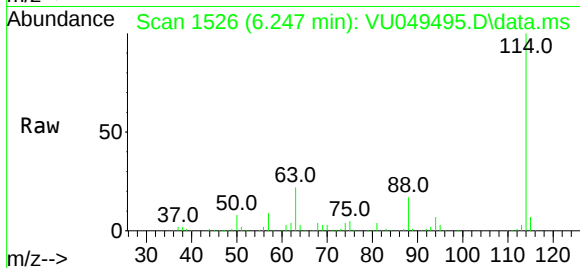
Tgt Ion:114 Resp: 523075

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.910 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

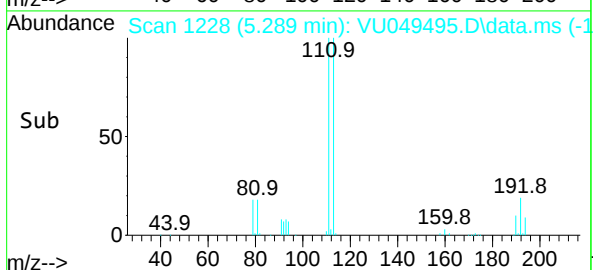
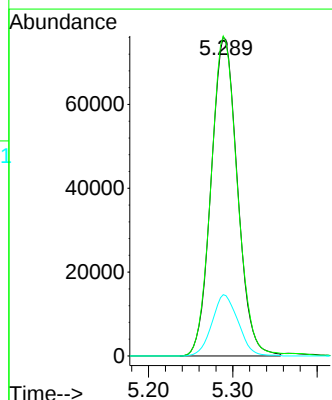
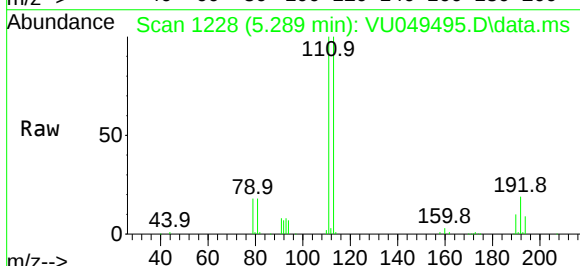
Tgt Ion:113 Resp: 164352

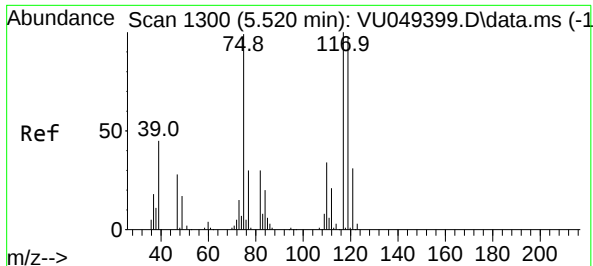
Ion Ratio Lower Upper

113 100

111 100.6 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.559 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049495.D

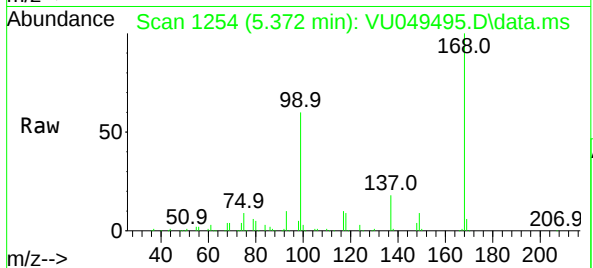
Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621



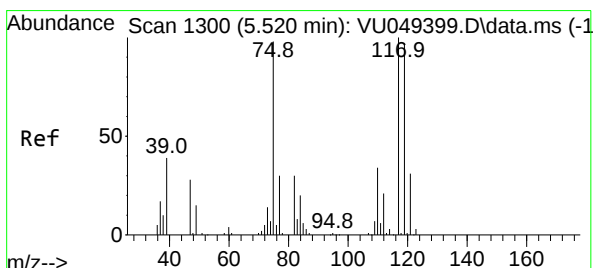
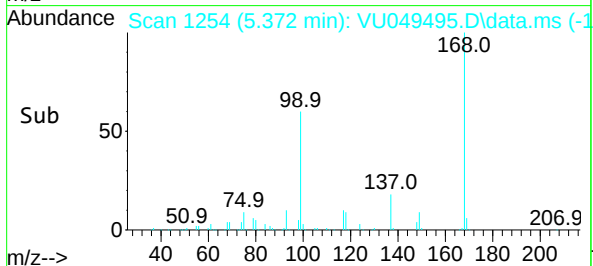
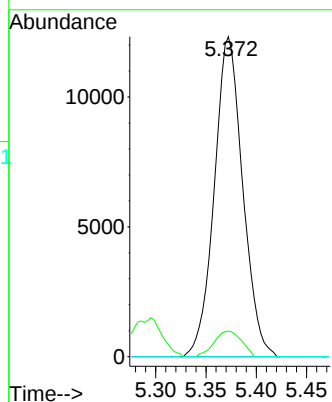
Tgt Ion: 75 Resp: 24193

Ion Ratio Lower Upper

75 100

110 7.7 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 0.288 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

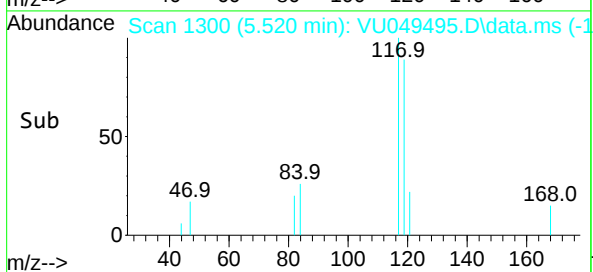
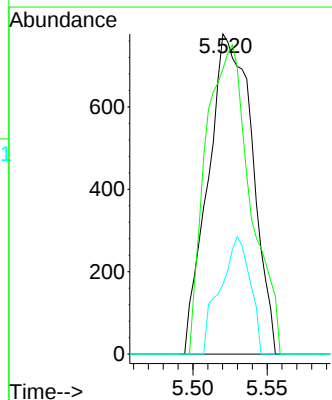
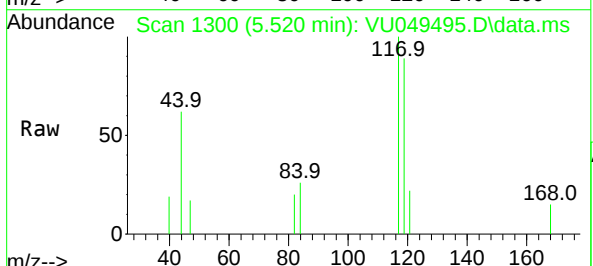
Tgt Ion: 117 Resp: 1603

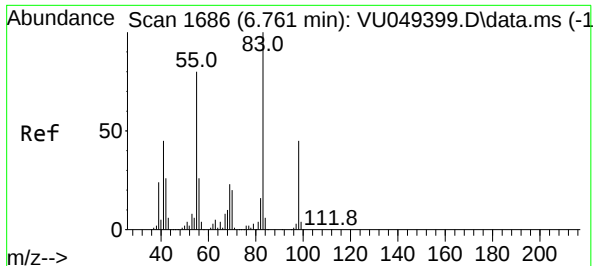
Ion Ratio Lower Upper

117 100

119 89.1 76.8 115.2

121 21.8 24.7 37.1#





#39

Methylcyclohexane

Concen: 2.091 ug/l

RT: 6.543 min Scan# 1

Delta R.T. -0.218 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621

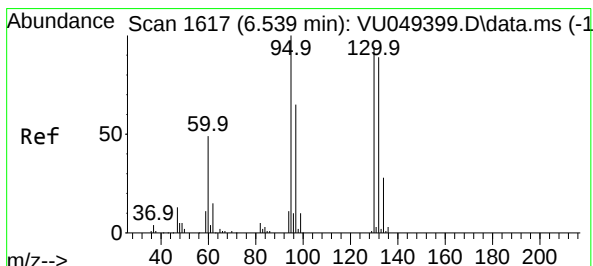
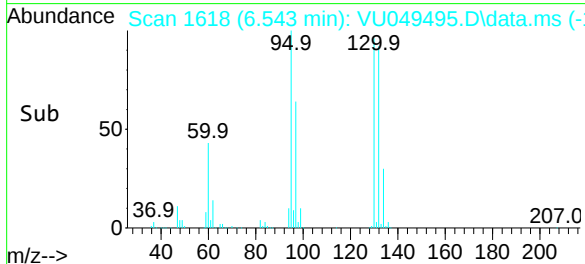
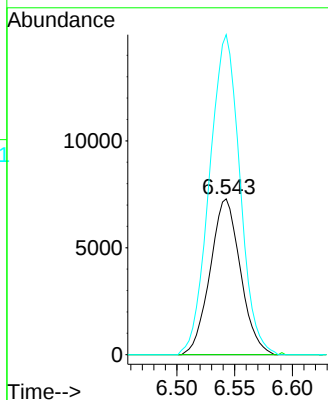
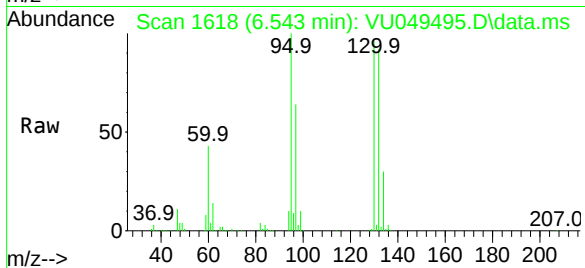
Tgt Ion: 83 Resp: 13299

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 205.2 37.3 55.9#



#44

Trichloroethene

Concen: 274.591 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049495.D

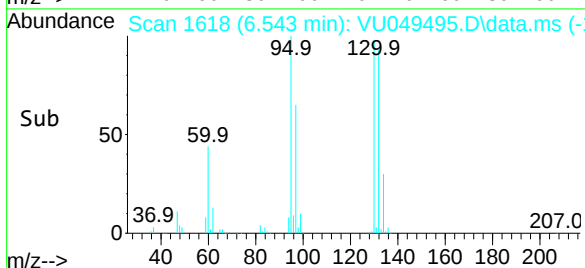
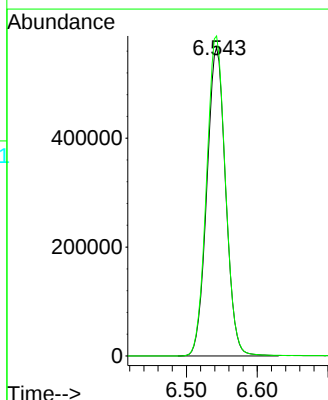
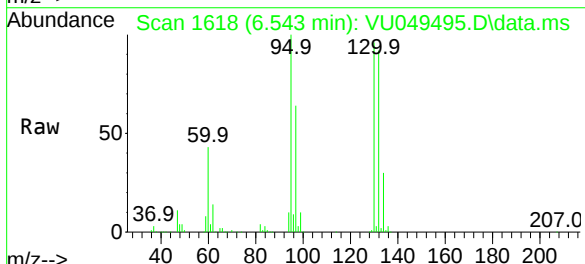
Acq: 29 Jun 2022 06:06

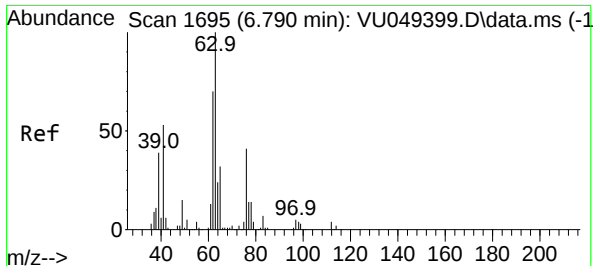
Tgt Ion:130 Resp: 1045763

Ion Ratio Lower Upper

130 100

95 103.8 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.820 ug/l

RT: 6.543 min Scan# 1

Delta R.T. -0.247 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

Instrument :

MSVOA_U

ClientSampleId :

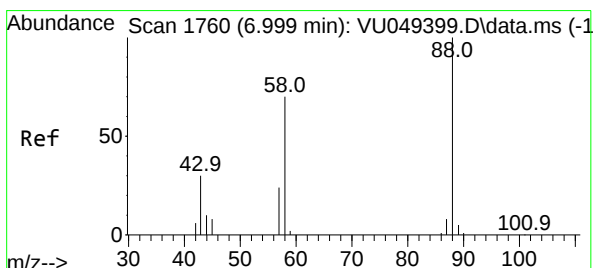
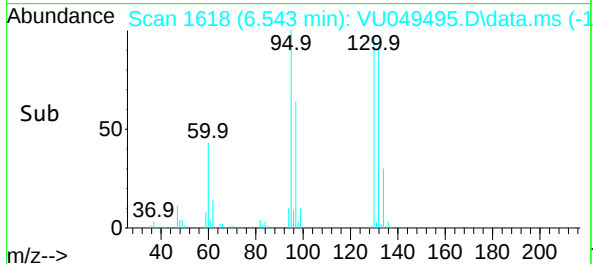
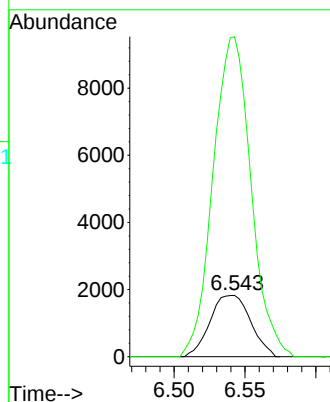
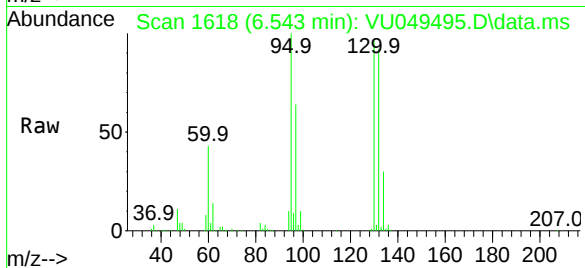
RE125D2-20220621

Tgt Ion: 63 Resp: 3640

Ion Ratio Lower Upper

63 100

65 521.6 25.0 37.4#



#49

1,4-Dioxane

Concen: 11.500 ug/l

RT: 6.986 min Scan# 1756

Delta R.T. -0.013 min

Lab File: VU049495.D

Acq: 29 Jun 2022 06:06

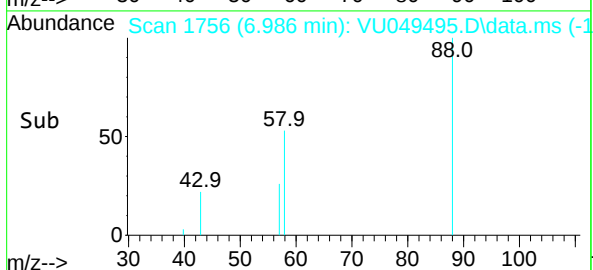
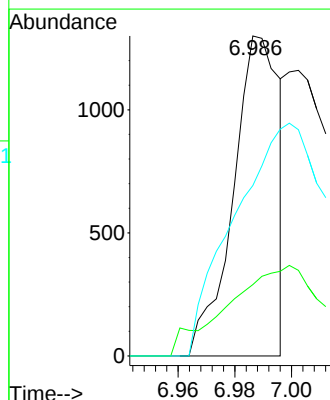
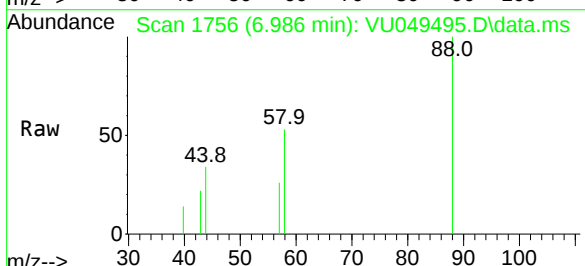
Tgt Ion: 88 Resp: 1467

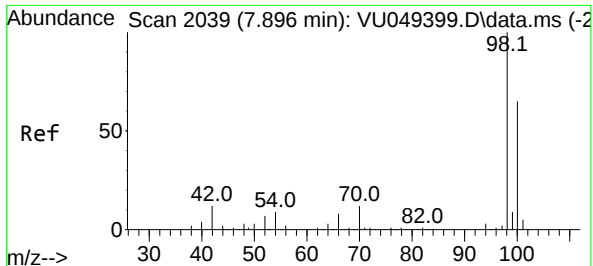
Ion Ratio Lower Upper

88 100

43 65.1 0.0 0.0#

58 167.1 15.4 23.0#

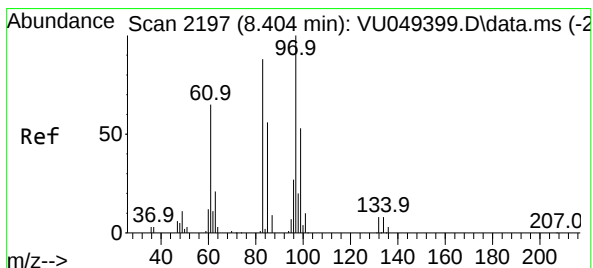
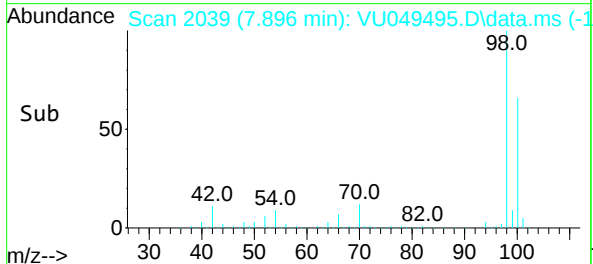
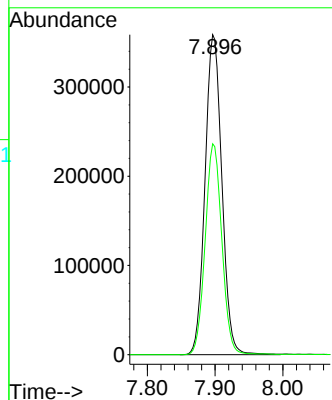
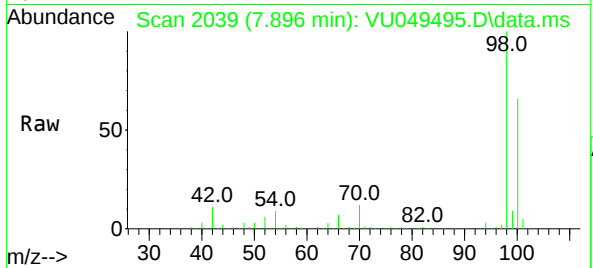




#50
Toluene-d8
Concen: 47.486 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

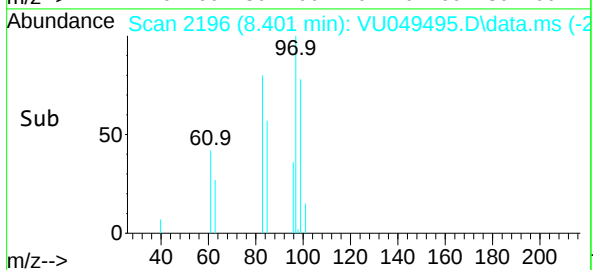
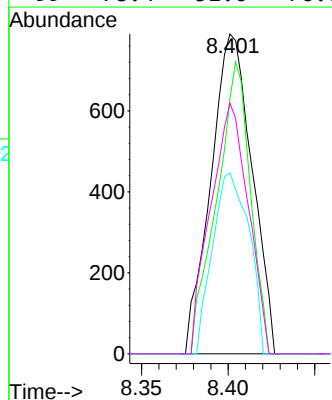
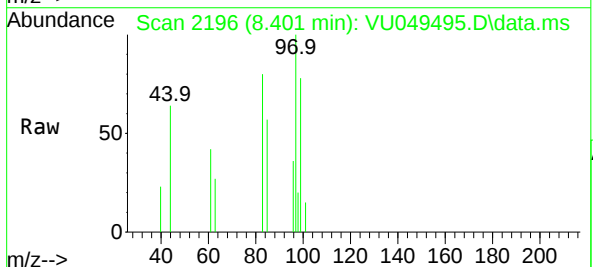
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

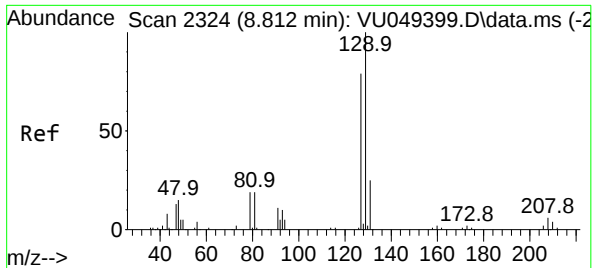
Tgt Ion: 98 Resp: 619821
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.332 ug/l
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 97 Resp: 1306
Ion Ratio Lower Upper
97 100
83 79.7 70.2 105.4
85 56.6 44.6 66.8
99 78.4 51.0 76.6#

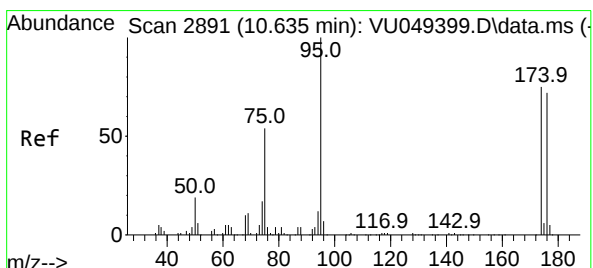
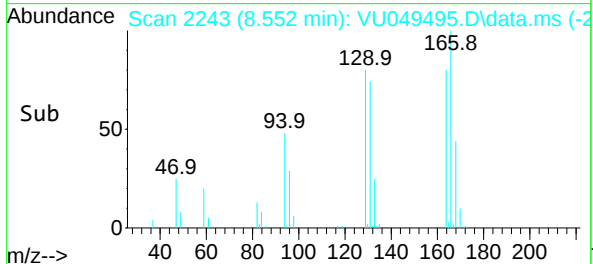
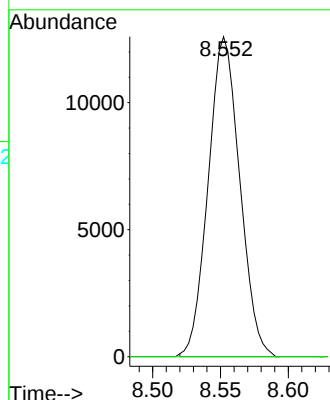
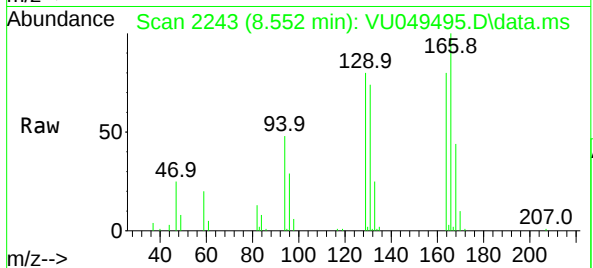




#60
Dibromochloromethane
Concen: 4.971 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

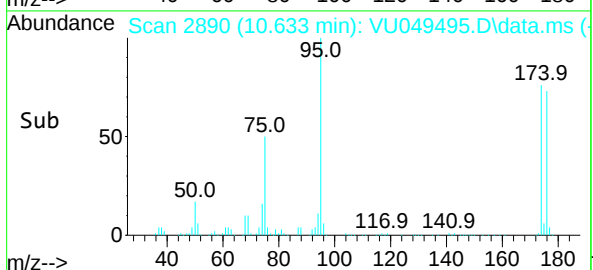
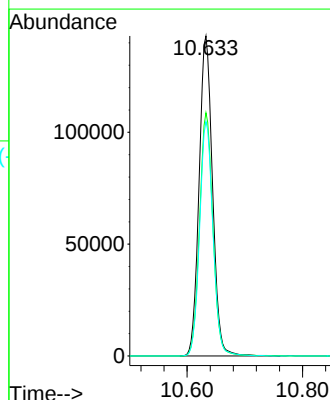
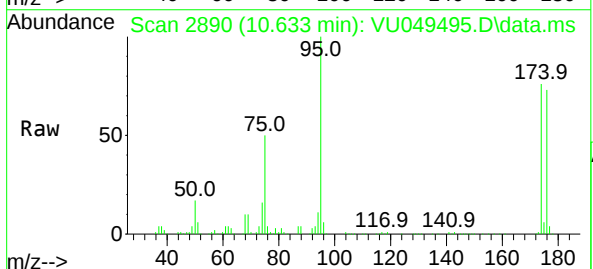
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

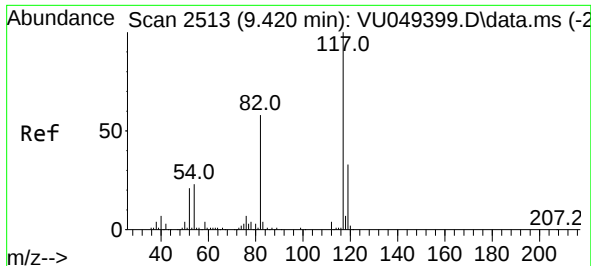
Tgt Ion:129 Resp: 20352
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.264 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 95 Resp: 231325
Ion Ratio Lower Upper
95 100
174 75.4 0.0 182.0
176 72.6 0.0 177.8

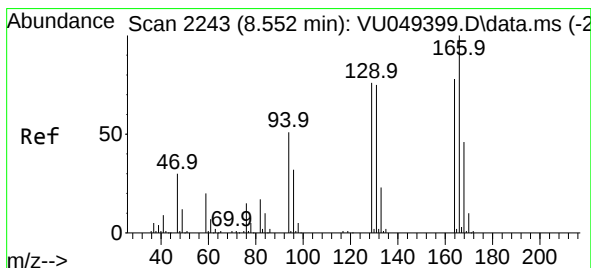
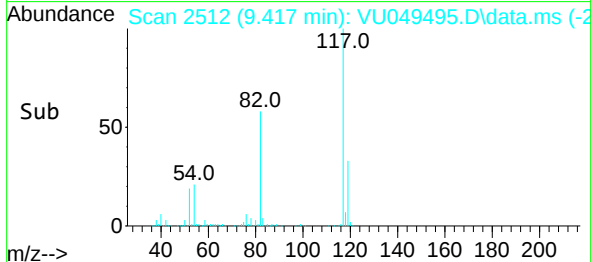
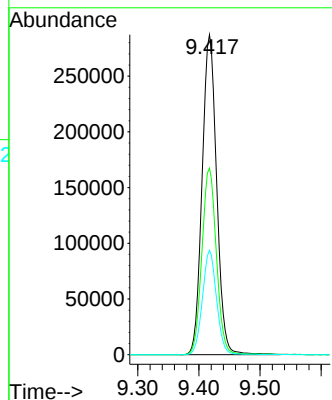
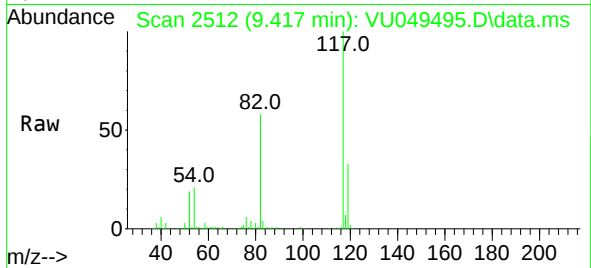




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

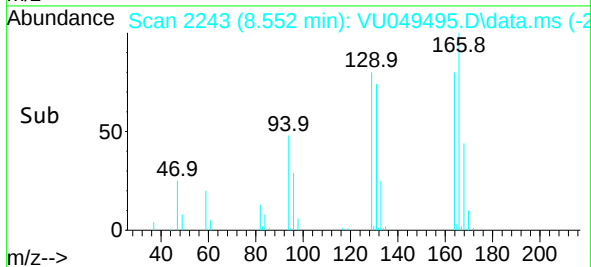
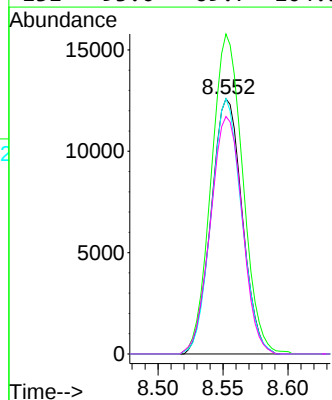
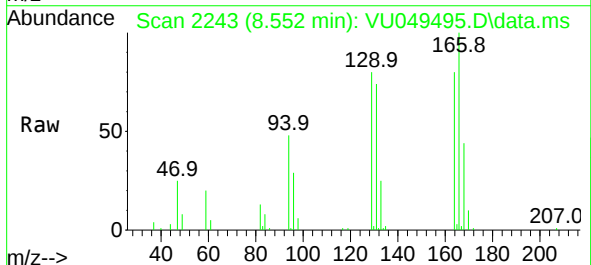
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

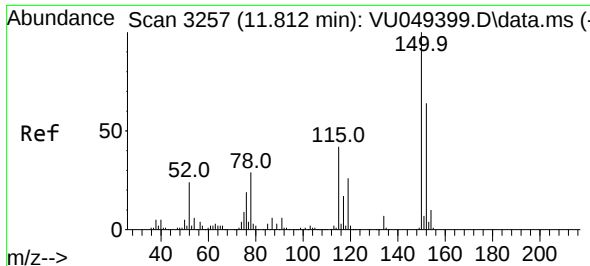
Tgt Ion:117 Resp: 474633
Ion Ratio Lower Upper
117 100
82 58.3 41.7 62.5
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 6.858 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion:164 Resp: 20878
Ion Ratio Lower Upper
164 100
166 125.4 100.0 150.0
129 100.1 72.0 108.0
131 93.0 69.7 104.5

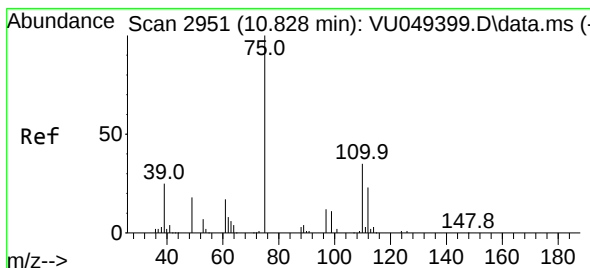
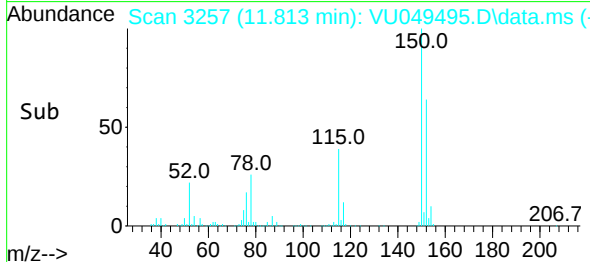
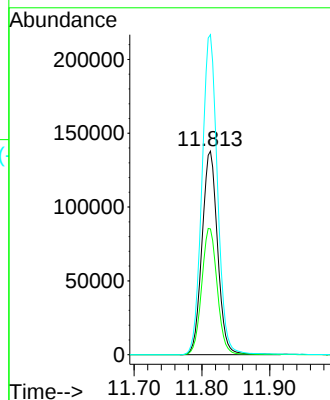
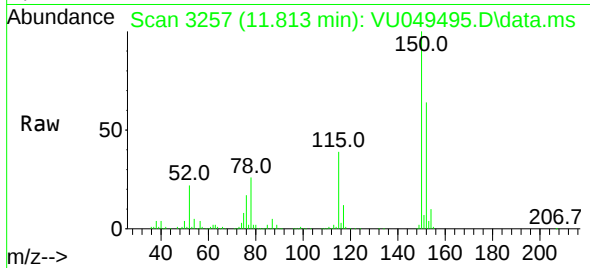




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.813 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049495.D
 Acq: 29 Jun 2022 06:06

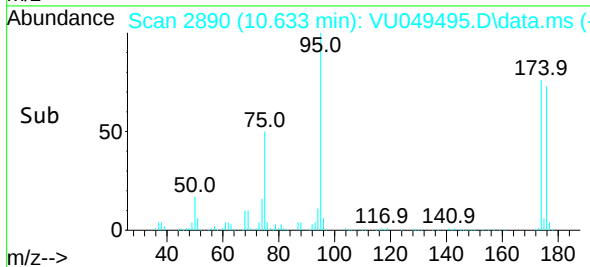
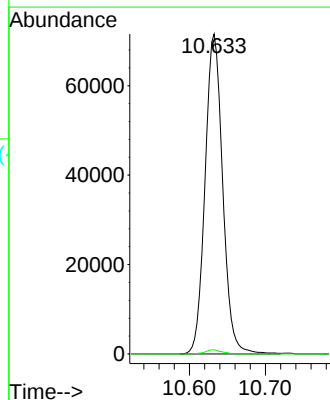
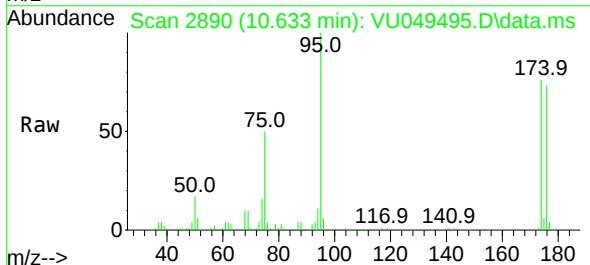
Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D2-20220621

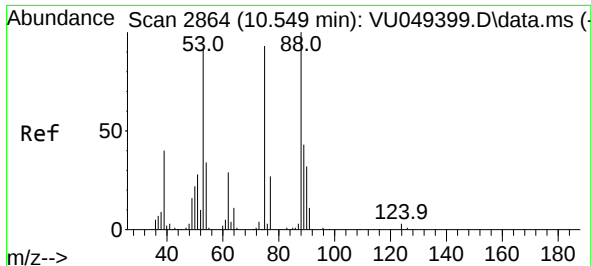
Tgt Ion:152 Resp: 219791
 Ion Ratio Lower Upper
 152 100
 115 61.9 37.0 110.9
 150 157.3 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.478 ug/l
 RT: 10.633 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049495.D
 Acq: 29 Jun 2022 06:06

Tgt Ion: 75 Resp: 115319
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

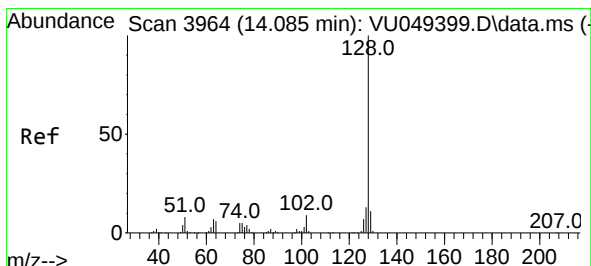
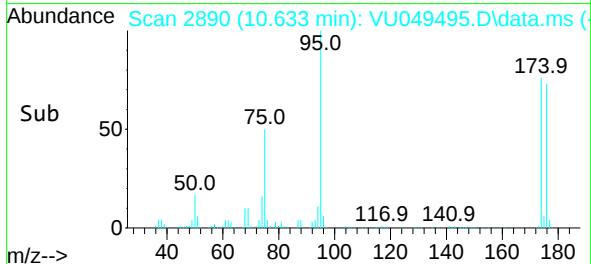
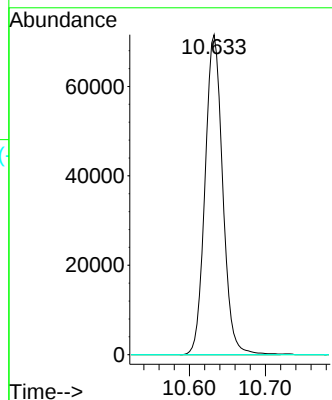
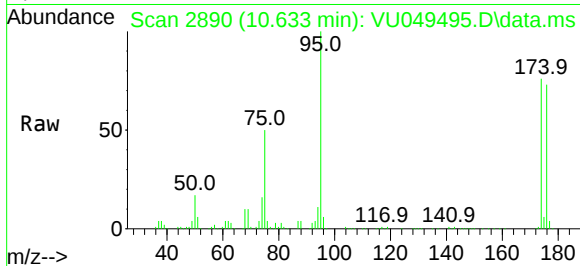




#81
trans-1,4-Dichloro-2-butene
Concen: 57.157 ug/l
RT: 10.633 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621

Tgt Ion: 75 Resp: 115319
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.749 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049495.D
Acq: 29 Jun 2022 06:06

Tgt Ion: 128 Resp: 241
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

