

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061422\
 Data File : VU049137.D
 Acq On : 15 Jun 2022 00:53
 Operator : SY/MD
 Sample : N3274-03 250X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 07:22:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 05:38:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	137552	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	123903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	61962	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53924	4.487	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.913	69	39497	4.854	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.568	65	22959	4.749	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.636	46	194962	60.751	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.500%
24) Chloroform-d	5.064	84	94265	4.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.703	65	53377	5.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.729	84	192721	5.163	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.694	67	62461	4.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.899	98	168681	5.019	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.179	79	26344	4.681	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.636	63	121823	53.658	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.320%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	55776	5.499	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	61532	5.175	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3606	0.312	ug/L #	67
9) Trichlorofluoromethane	2.141	101	6728	0.501	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	605	0.076	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	3443	0.445	ug/L #	1
16) Methylene chloride	3.048	84	33160	3.259	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	4257	0.497	ug/L	87
22) cis-1,2-Dichloroethene	4.668	96	84723	8.840	ug/L	99
27) 1,2-Dichloroethane	5.797	62	2731	0.244	ug/L #	93
34) Trichloroethene	6.555	95	14975754	1589.060	ug/L	91
35) Methylcyclohexane	6.697	83	14312	0.906	ug/L #	16
37) 1,2-Dichloropropane	6.690	63	6987	0.690	ug/L #	89
40) 4-Methyl-2-pentanone	7.793	43	10946	1.454	ug/L #	89
42) Toluene	7.970	91	99951	2.557	ug/L	98
47) Tetrachloroethene	8.552	164	37741	5.807	ug/L	95
49) Dibromochloromethane	8.555	129	39241	4.870	ug/L #	10
53) m,p-Xylene	9.694	106	3406	0.215	ug/L	94
61) 1,2,3-Trichloropropane	11.812	75	8587	1.235	ug/L #	70

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 15 07:22:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jun 15 05:38:08 2022
Response via : Initial Calibration

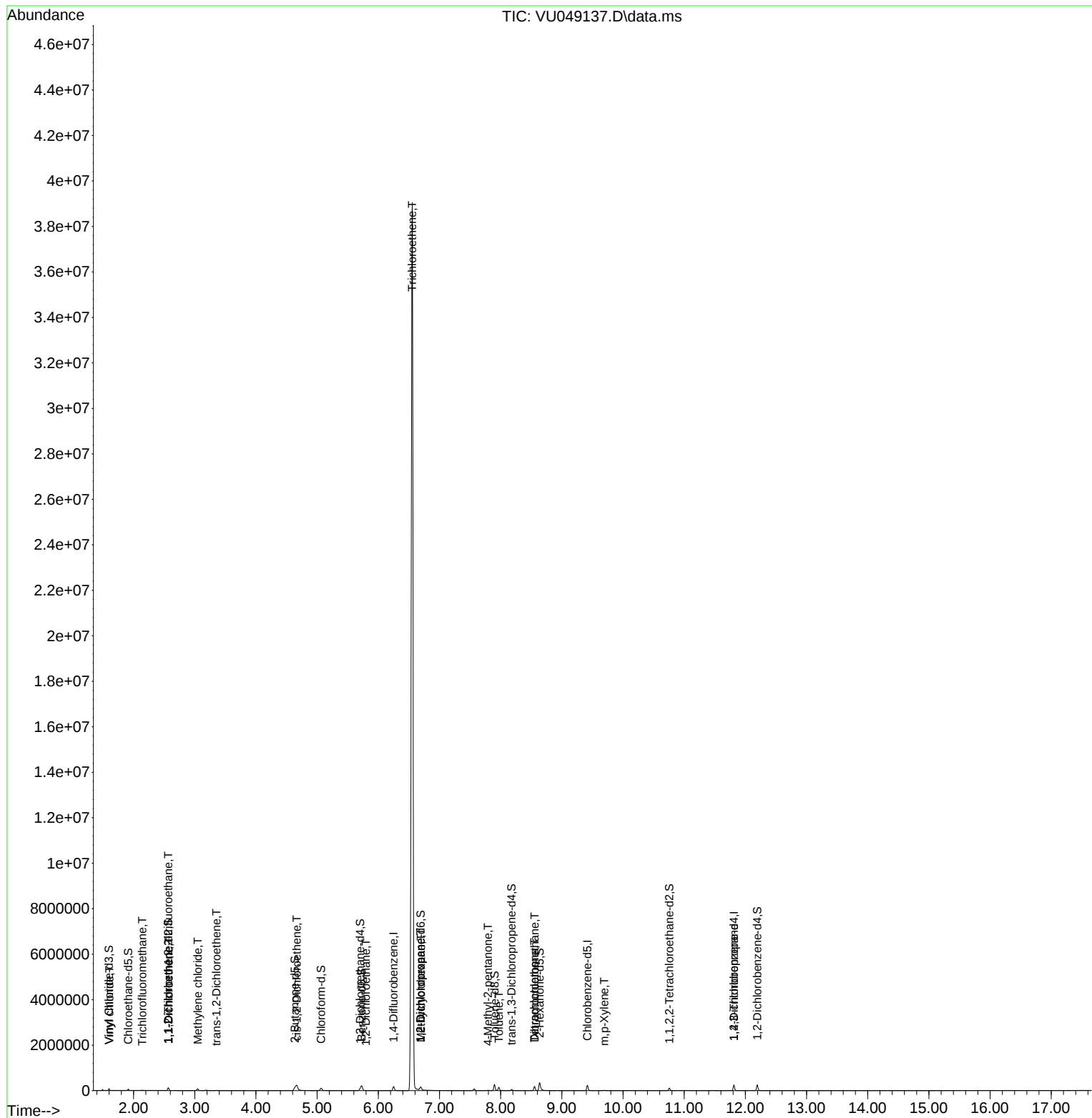
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

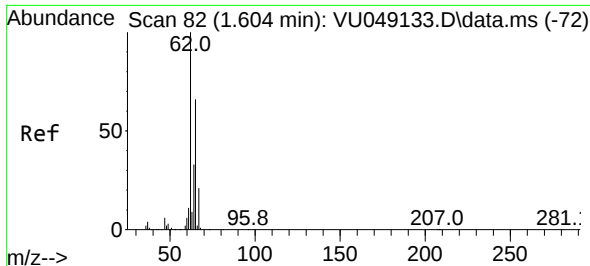
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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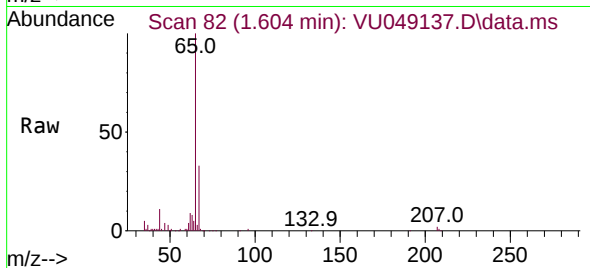
Quant Time: Jun 15 07:22:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
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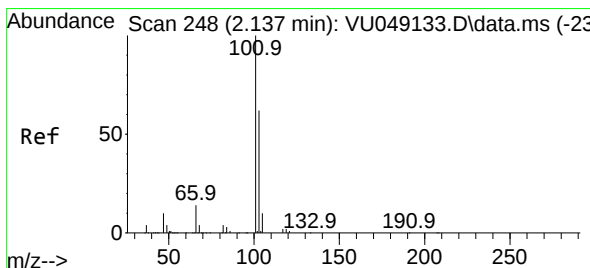
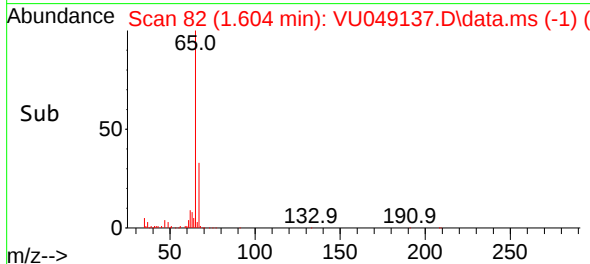
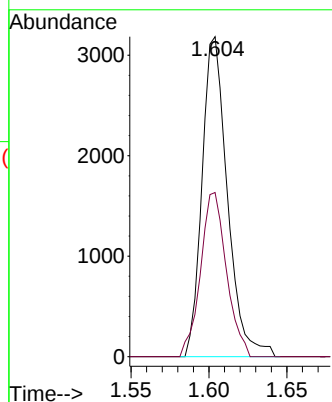


#5
 Vinyl chloride
 Concen: 0.312 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049137.D
 Acq: 15 Jun 2022 00:53

Instrument :
 MSVOA_U
 ClientSampleId :

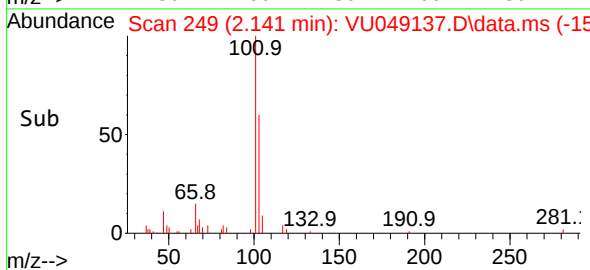
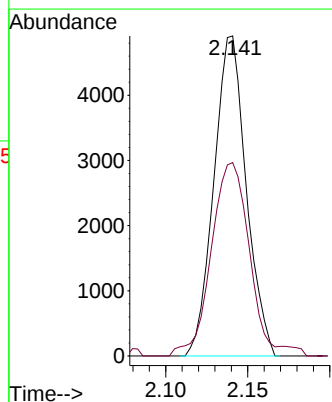
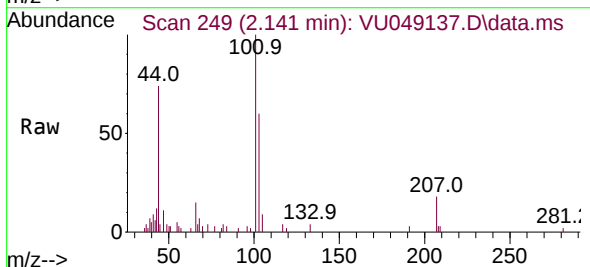


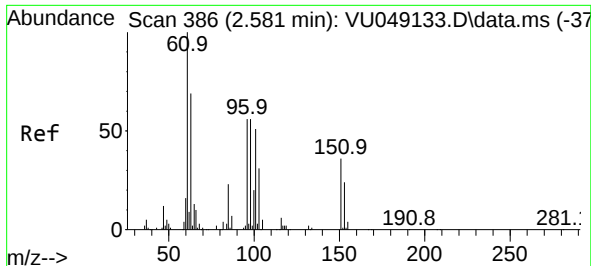
Tgt Ion: 62 Resp: 3606
 Ion Ratio Lower Upper
 62 100
 64 51.3 22.8 42.4#



#9
 Trichlorofluoromethane
 Concen: 0.501 ug/L
 RT: 2.141 min Scan# 249
 Delta R.T. 0.003 min
 Lab File: VU049137.D
 Acq: 15 Jun 2022 00:53

Tgt Ion: 101 Resp: 6728
 Ion Ratio Lower Upper
 101 100
 103 71.7 53.5 80.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.076 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.016 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

Instrument :

MSVOA_U

ClientSampleId :

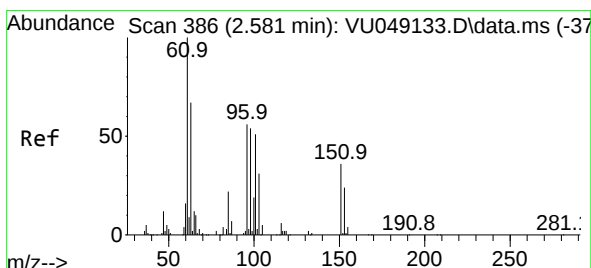
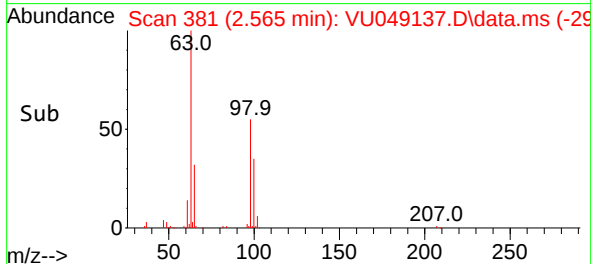
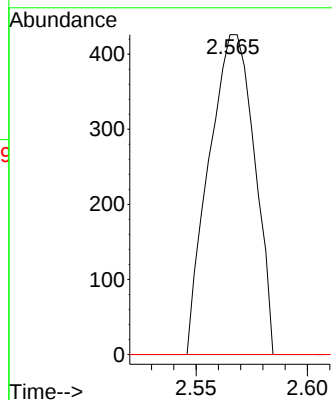
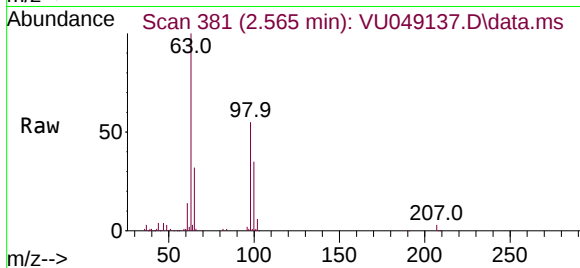
Tgt Ion:101 Resp: 605

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 56.8 85.2#



#12

1,1-Dichloroethene

Concen: 0.445 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.006 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

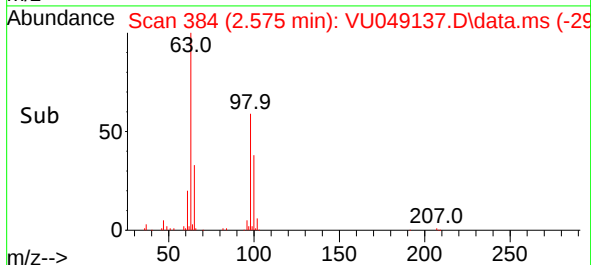
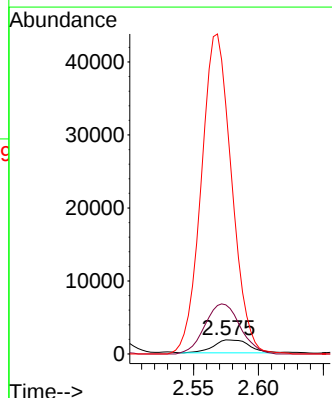
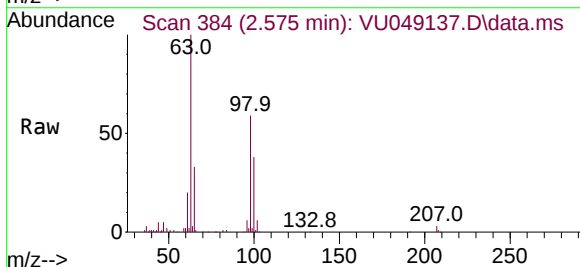
Tgt Ion: 96 Resp: 3443

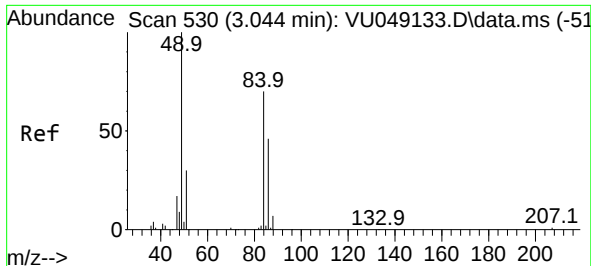
Ion Ratio Lower Upper

96 100

61 348.3 127.2 236.2#

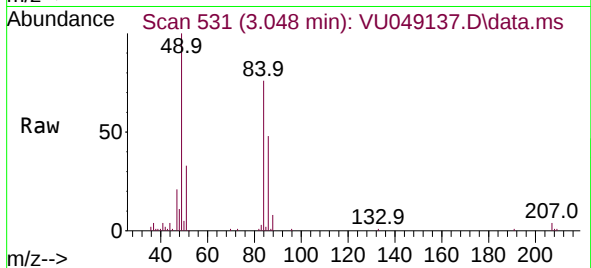
63 1765.3 94.7 175.9#



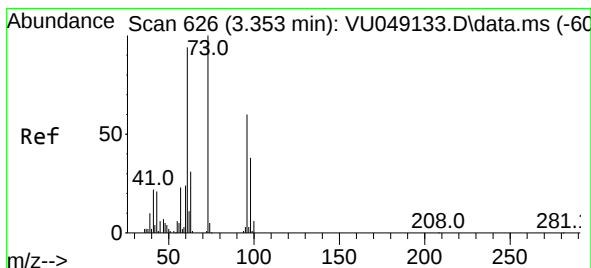
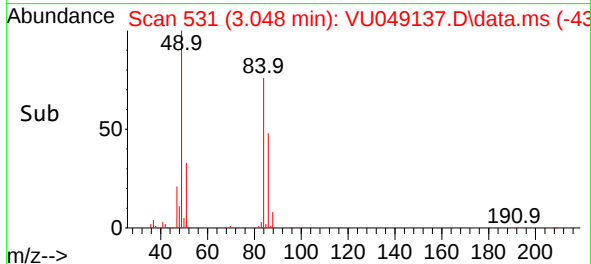
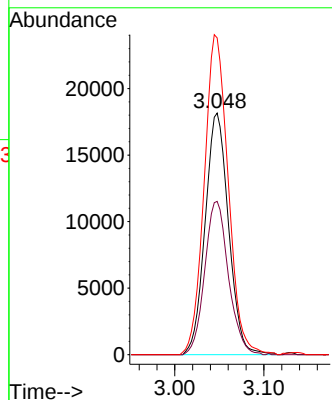


#16
Methylene chloride
Concen: 3.259 ug/L
RT: 3.048 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

Instrument :
MSVOA_U
ClientSampleId :

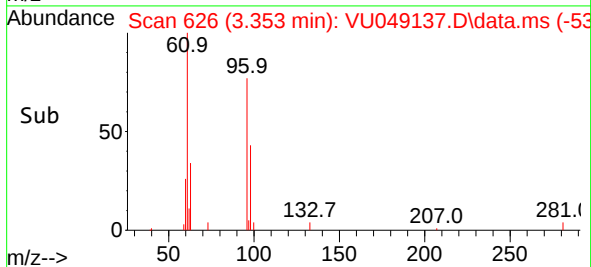
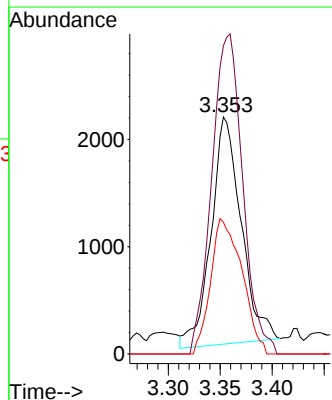
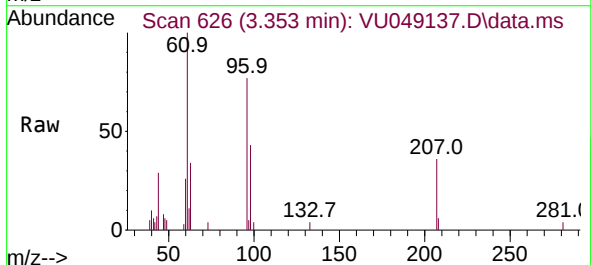


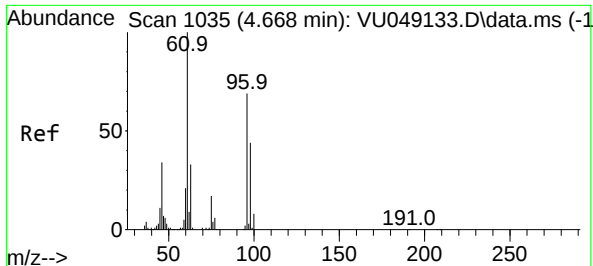
Tgt Ion: 84 Resp: 33160
Ion Ratio Lower Upper
84 100
86 63.4 43.6 81.0
49 131.2 90.2 167.6



#18
trans-1,2-Dichloroethene
Concen: 0.497 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

Tgt Ion: 96 Resp: 4257
Ion Ratio Lower Upper
96 100
61 130.1 103.3 191.9
98 55.5 44.0 81.8





#22

cis-1,2-Dichloroethene

Concen: 8.840 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

Instrument :

MSVOA_U

ClientSampleId :

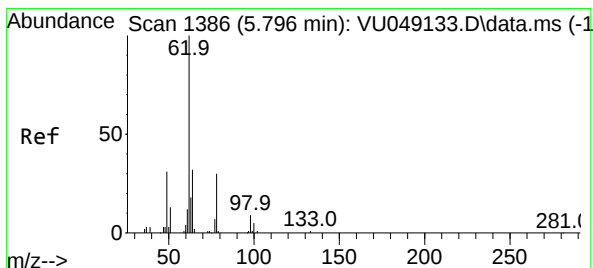
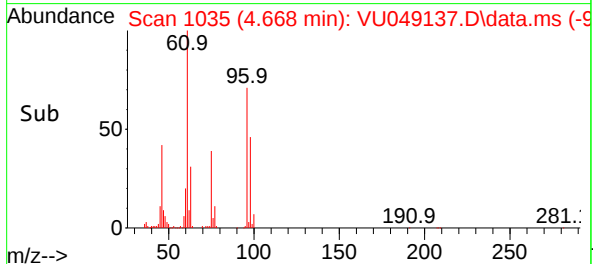
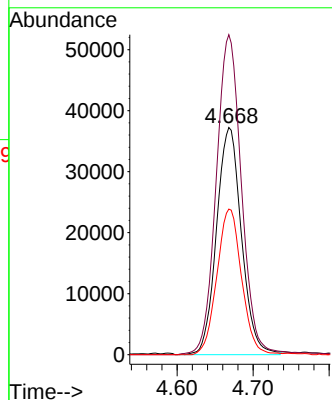
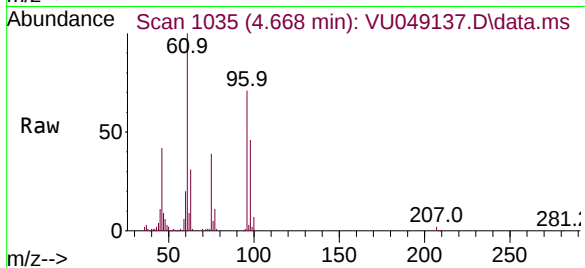
Tgt Ion: 96 Resp: 84723

Ion Ratio Lower Upper

96 100

61 140.9 99.5 184.9

98 64.1 44.8 83.2



#27

1,2-Dichloroethane

Concen: 0.244 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU049137.D

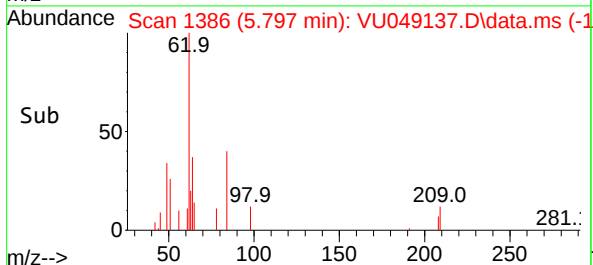
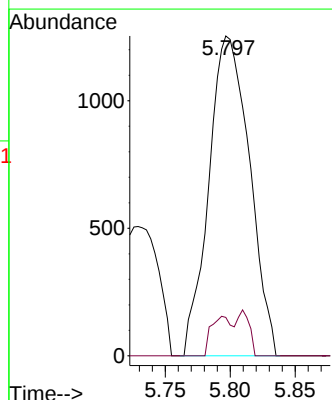
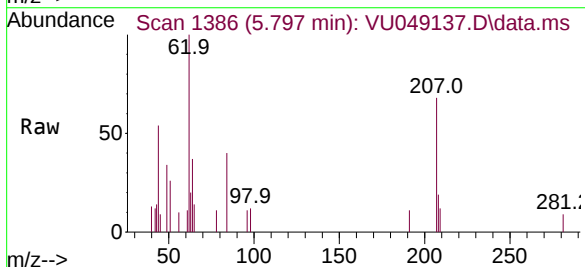
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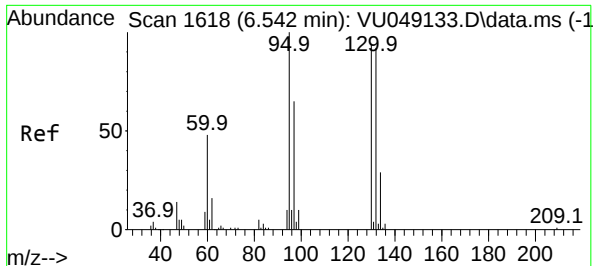
Tgt Ion: 62 Resp: 2731

Ion Ratio Lower Upper

62 100

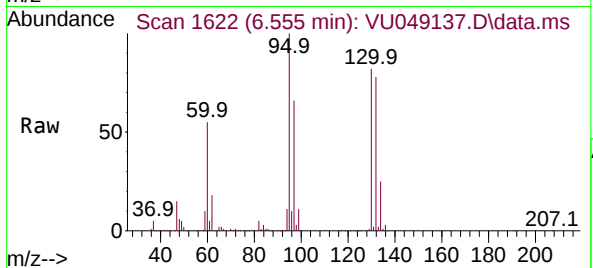
98 12.0 7.6 11.4#



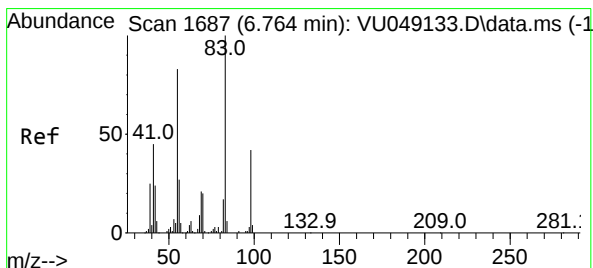
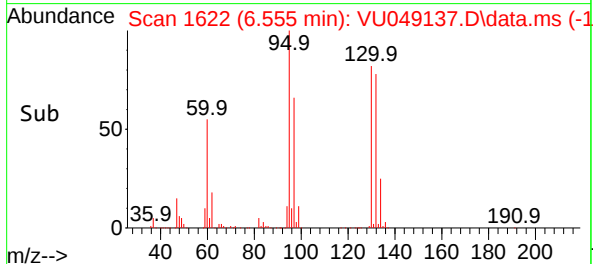
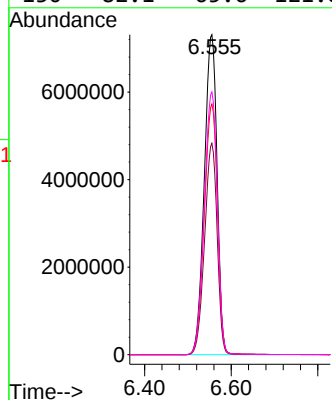


#34
Trichloroethene
Concen: 1589.060 ug/L
RT: 6.555 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

Instrument :
MSVOA_U
ClientSampleId :

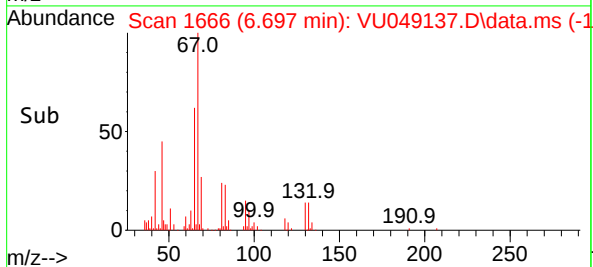
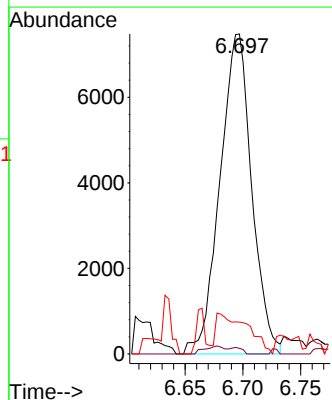
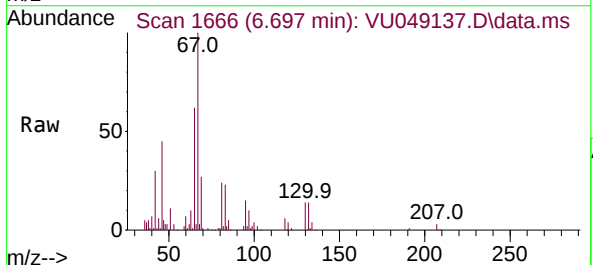


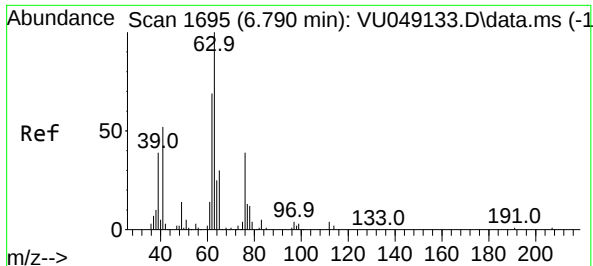
Tgt Ion: 95 Resp:14975754
Ion Ratio Lower Upper
95 100
97 66.0 45.3 84.1
132 78.3 61.5 114.3
130 82.1 65.6 121.8



#35
Methylcyclohexane
Concen: 0.906 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.067 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

Tgt Ion: 83 Resp: 14312
Ion Ratio Lower Upper
83 100
55 0.7 66.9 100.3#
98 0.0 35.5 53.3#





#37

1,2-Dichloropropane

Concen: 0.690 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

Instrument :

MSVOA_U

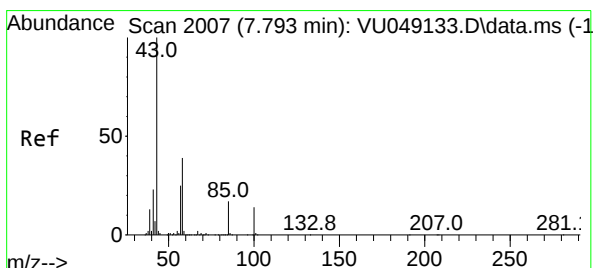
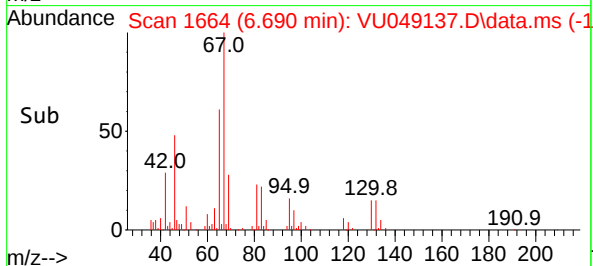
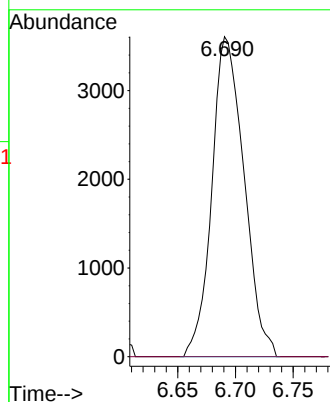
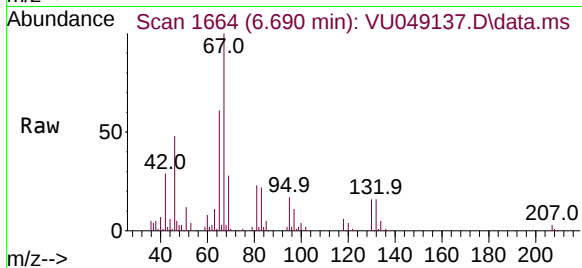
ClientSampleId :

Tgt Ion: 63 Resp: 6987

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#40

4-Methyl-2-pentanone

Concen: 1.454 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

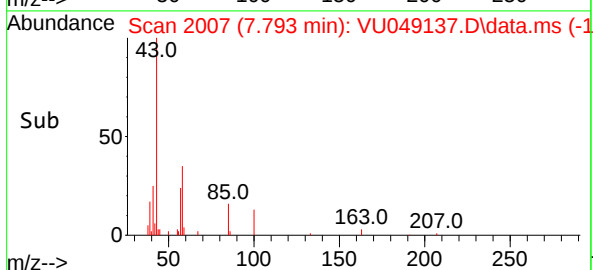
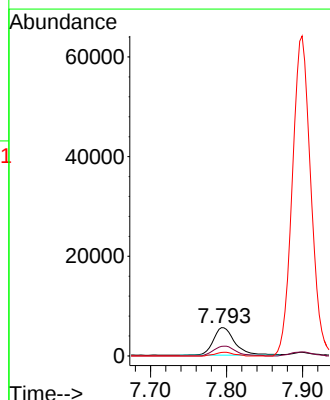
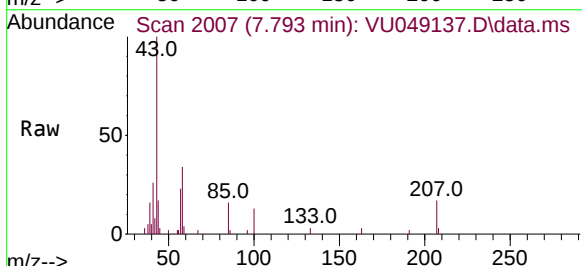
Tgt Ion: 43 Resp: 10946

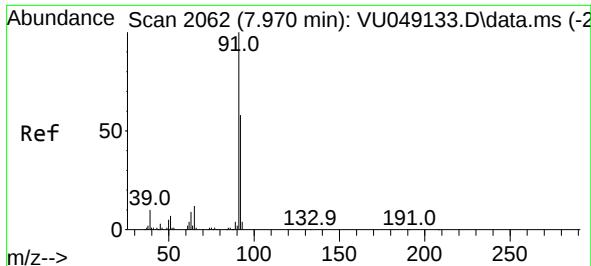
Ion Ratio Lower Upper

43 100

58 37.1 31.4 47.2

100 0.0 10.5 15.7#

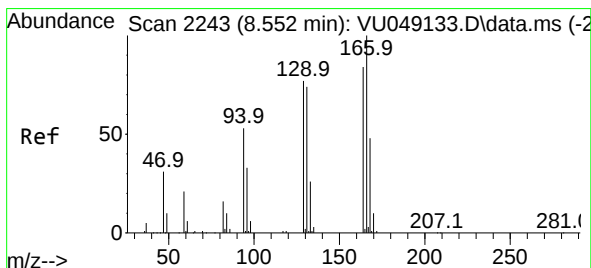
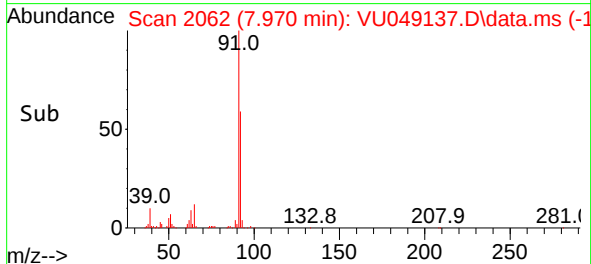
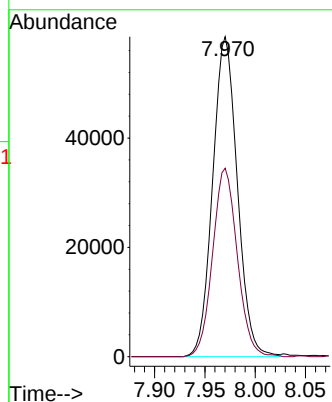
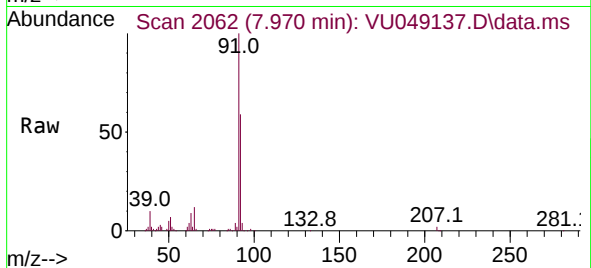




#42
Toluene
Concen: 2.557 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

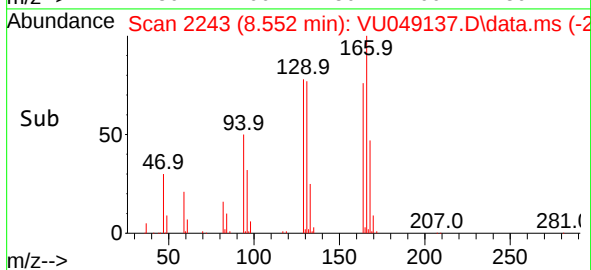
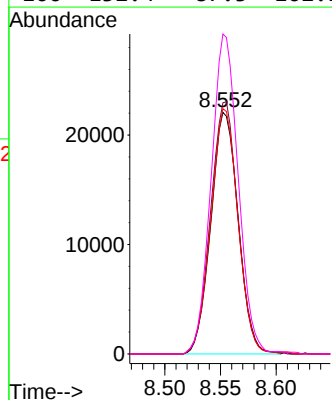
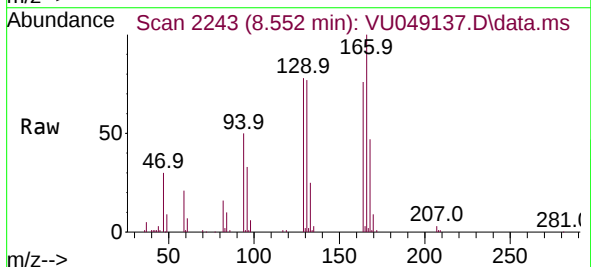
Instrument :
MSVOA_U
ClientSampleId :

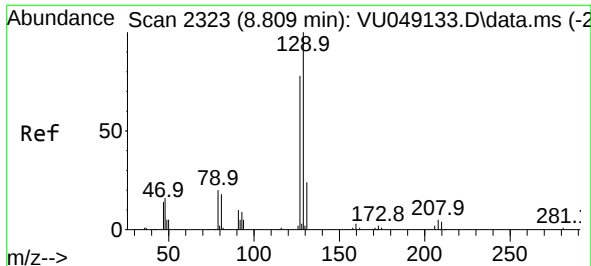
Tgt Ion: 91 Resp: 99951
Ion Ratio Lower Upper
91 100
92 58.9 40.0 74.2



#47
Tetrachloroethene
Concen: 5.807 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049137.D
Acq: 15 Jun 2022 00:53

Tgt Ion: 164 Resp: 37741
Ion Ratio Lower Upper
164 100
129 103.9 69.8 129.6
131 101.5 67.8 125.8
166 132.4 87.3 162.1





#49

Dibromochloromethane

Concen: 4.870 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

Instrument :

MSVOA_U

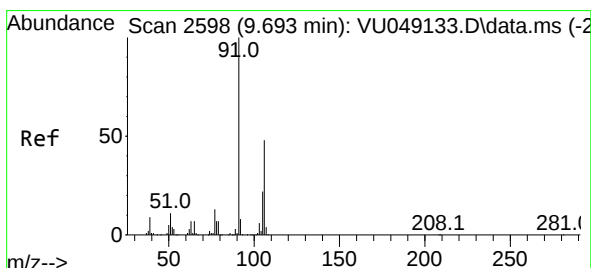
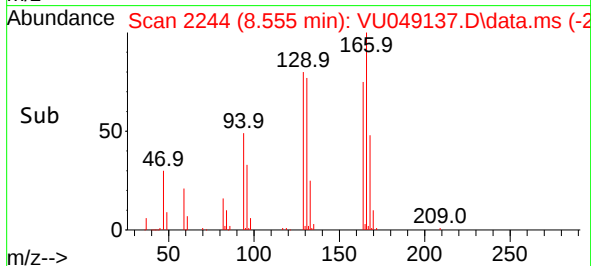
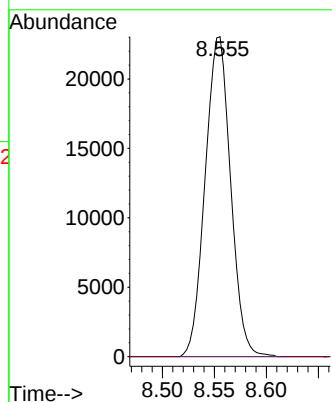
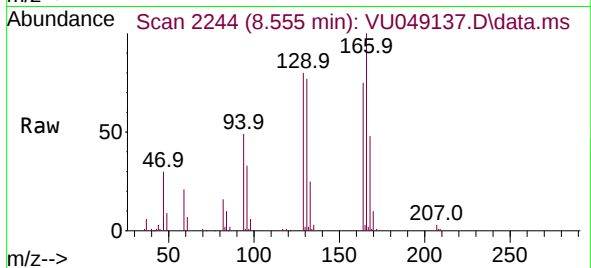
ClientSampleId :

Tgt Ion:129 Resp: 39241

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#53

m,p-Xylene

Concen: 0.215 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU049137.D

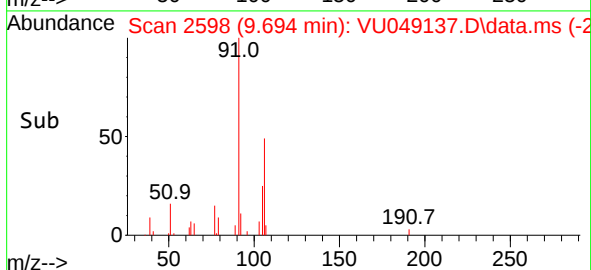
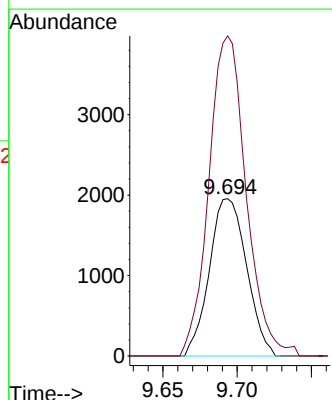
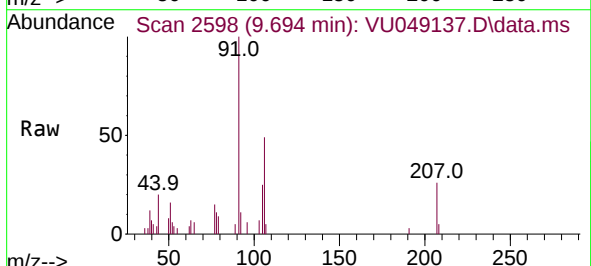
Acq: 15 Jun 2022 00:53

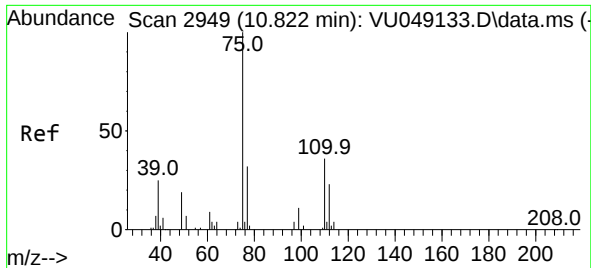
Tgt Ion:106 Resp: 3406

Ion Ratio Lower Upper

106 100

91 203.4 148.5 275.7





#61

1,2,3-Trichloropropane

Concen: 1.235 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.991 min

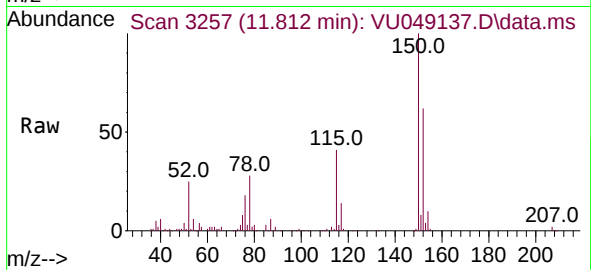
Lab File: VU049137.D

Acq: 15 Jun 2022 00:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 8587

Ion Ratio Lower Upper

75 100

110 3.2 29.0 43.4#

77 33.7 26.2 39.2

