

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052511.D
 Acq On : 22 Dec 2022 23:15
 Operator : JC/MD
 Sample : N6170-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB2

Quant Time: Dec 23 06:42:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	156122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	152661	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65779	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67441	4.264	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.916	69	61654	4.520	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.568	65	29996	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.633	46	295115	60.168	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.340%
24) Chloroform-d	5.060	84	125966	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.700	65	78273	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.726	84	255029	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.687	67	93201	5.173	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.896	98	201976	4.597	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.176	79	30984	5.022	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.400%
46) 2-Hexanone-d5	8.629	63	217622	64.474	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.940%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81959	5.358	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	71595	5.346	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	2689	0.230	ug/L #	1
15) Methyl Acetate	2.961	43	2082	0.261	ug/L #	55
16) Methylene chloride	3.047	84	7859	0.476	ug/L	96
18) trans-1,2-Dichloroethene	3.353	96	63617	5.279	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	273561	20.686	ug/L	98
33) Benzene	5.771	78	7549	0.137	ug/L	100
34) Trichloroethene	6.539	95	2408416	187.356	ug/L	97
37) 1,2-Dichloropropane	6.687	63	9507	0.620	ug/L #	88
42) Toluene	7.970	91	11387	0.216	ug/L	93
45) 1,1,2-Trichloroethane	8.549	97	21500	1.978	ug/L #	1
47) Tetrachloroethene	8.552	164	2236269	249.222	ug/L	98
48) 2-Hexanone	8.632	43	26320	3.114	ug/L #	74
49) Dibromochloromethane	8.552	129	2234115	194.143	ug/L #	11
52) Ethylbenzene	9.568	91	7100	0.130	ug/L	100
54) o-Xylene	10.099	106	2544	0.132	ug/L	73
61) 1,2,3-Trichloropropane	11.809	75	9297	0.985	ug/L #	67

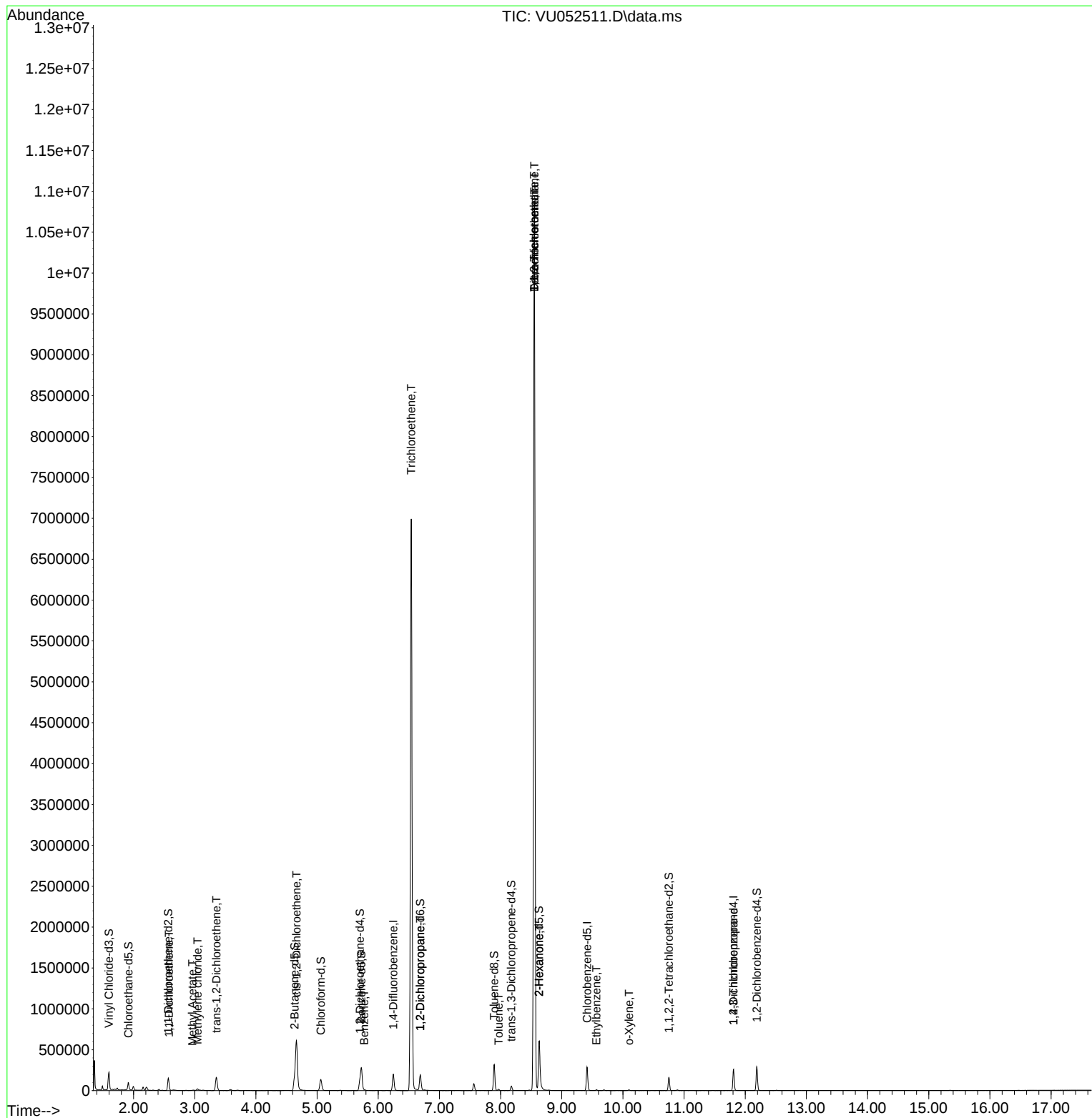
(#) = qualifier out of range (m) = manual integration (+) = signals summed

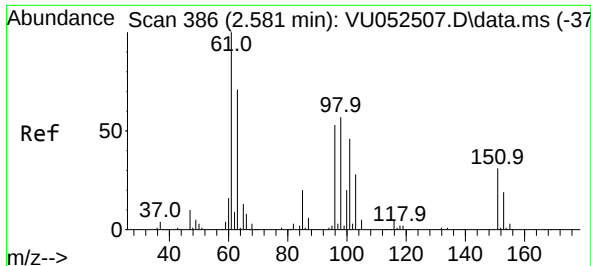
Instrument :
MSVOA_U
ClientSampleId :
GBQB2

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QLast Update : Fri Dec 23 06:08:56 2022
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.230 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

MSVOA_U

ClientSampleId :

GBQB2

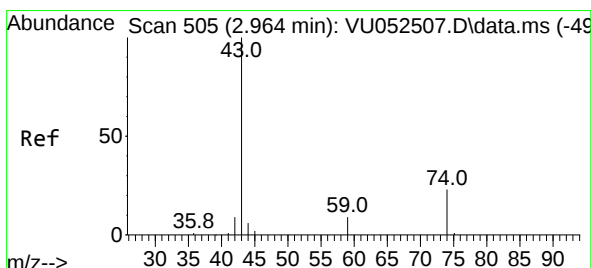
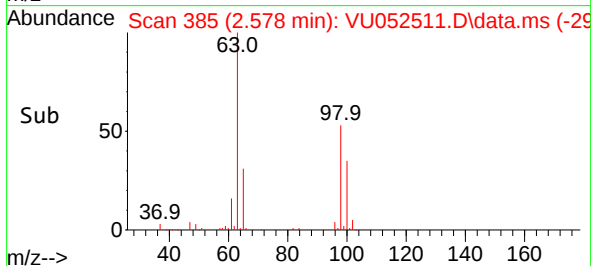
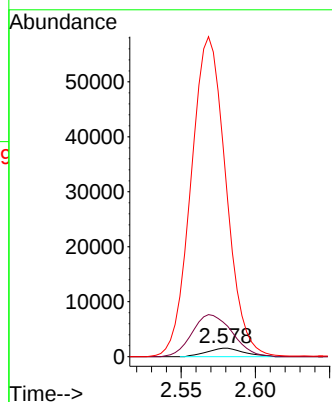
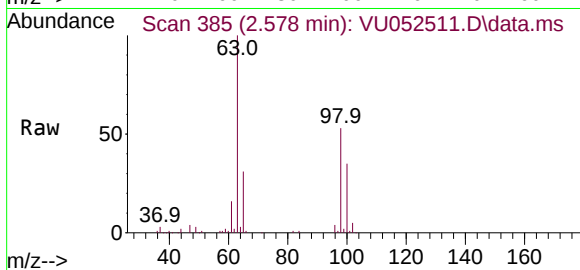
Tgt Ion: 96 Resp: 2689

Ion Ratio Lower Upper

96 100

61 406.8 135.4 251.4#

63 2488.0 95.4 177.2#



#15

Methyl Acetate

Concen: 0.261 ug/L

RT: 2.961 min Scan# 504

Delta R.T. -0.003 min

Lab File: VU052511.D

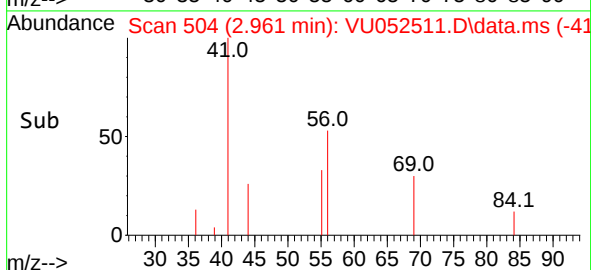
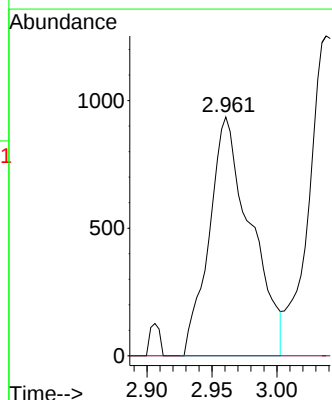
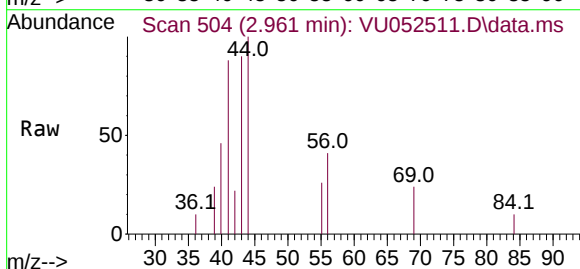
Acq: 22 Dec 2022 23:15

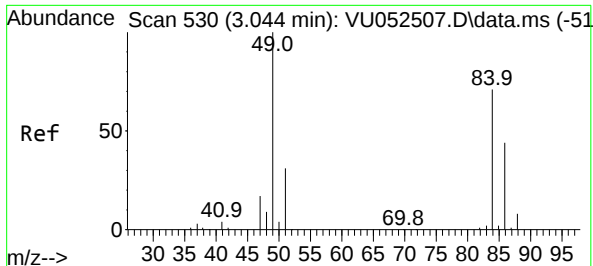
Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

74 0.0 16.9 25.3#

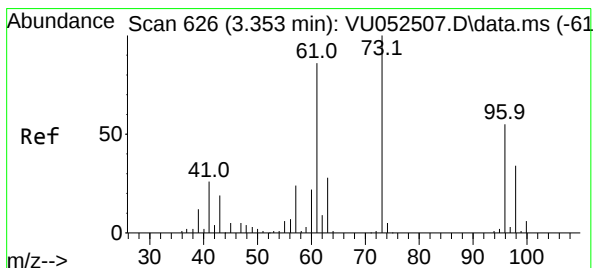
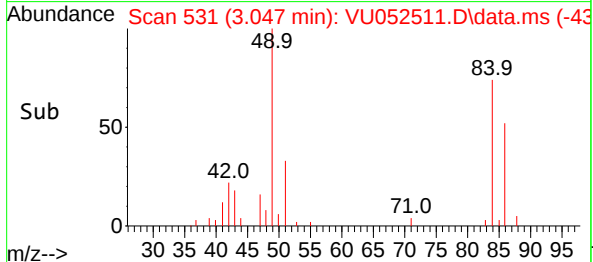
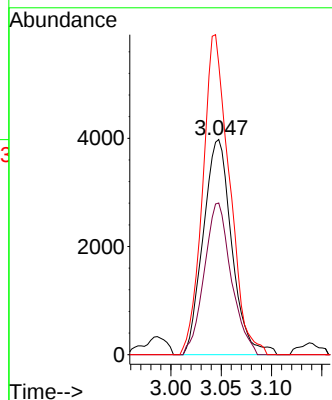
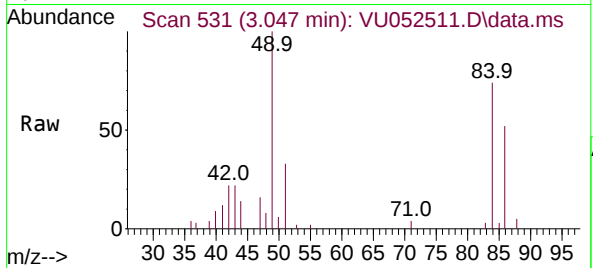




#16
Methylene chloride
Concen: 0.476 ug/L
RT: 3.047 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

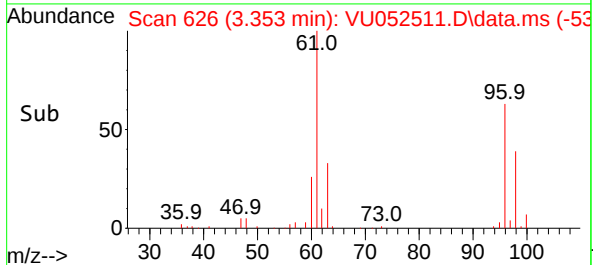
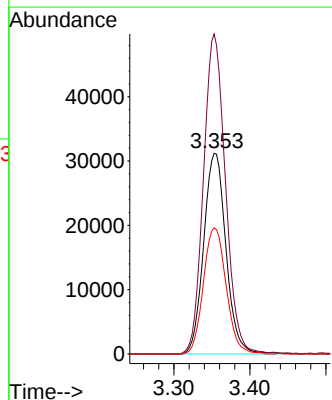
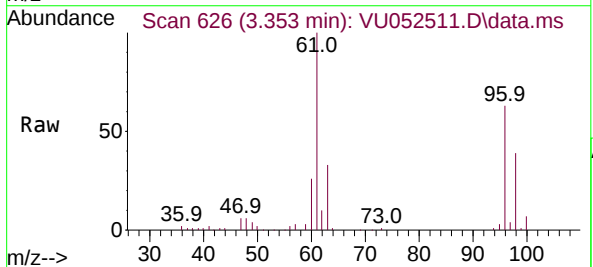
Instrument :
MSVOA_U
ClientSampleId :
GBQB2

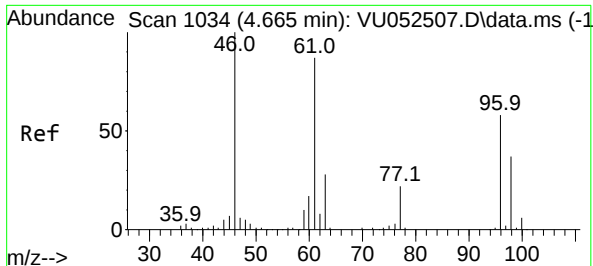
Tgt Ion: 84 Resp: 7859
Ion Ratio Lower Upper
84 100
86 70.5 44.7 83.1
49 135.0 93.3 173.3



#18
trans-1,2-Dichloroethene
Concen: 5.279 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 96 Resp: 63617
Ion Ratio Lower Upper
96 100
61 159.4 108.3 201.1
98 62.8 44.0 81.6





#22

cis-1,2-Dichloroethene

Concen: 20.686 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

MSVOA_U

ClientSampleId :

GBQB2

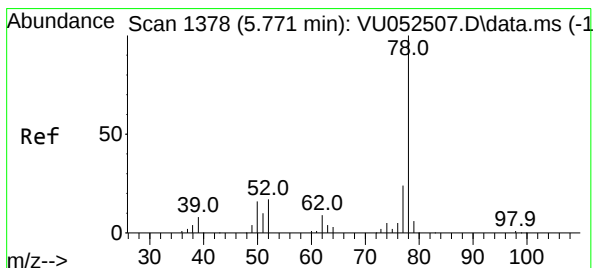
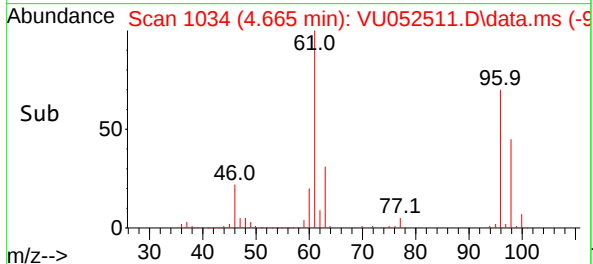
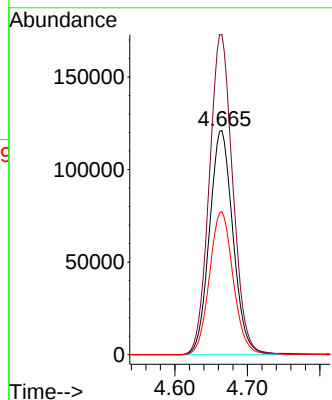
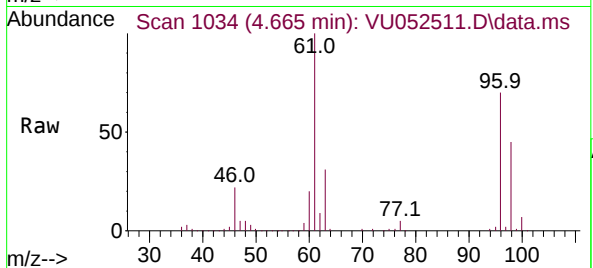
Tgt Ion: 96 Resp: 273561

Ion Ratio Lower Upper

96 100

61 142.8 96.9 180.1

98 63.8 44.7 83.1



#33

Benzene

Concen: 0.137 ug/L

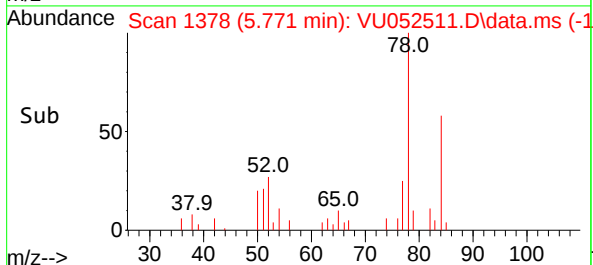
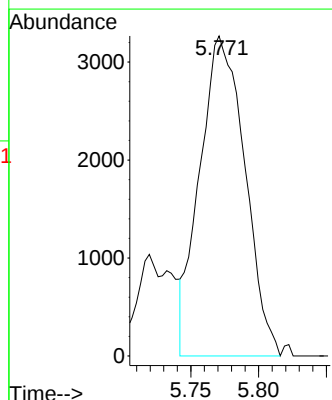
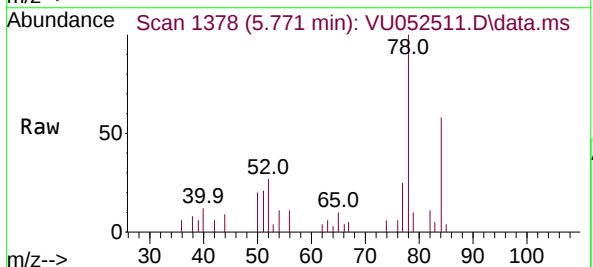
RT: 5.771 min Scan# 1378

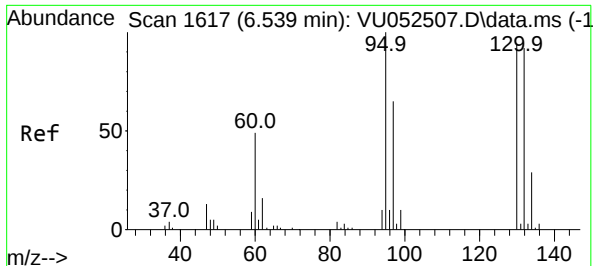
Delta R.T. 0.000 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Tgt Ion: 78 Resp: 7549



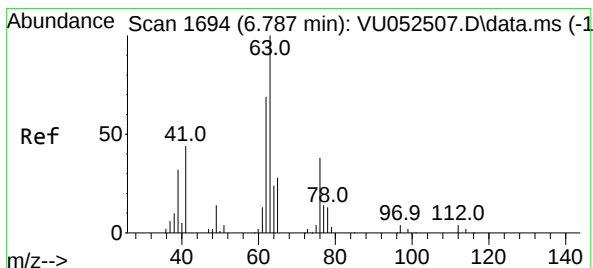
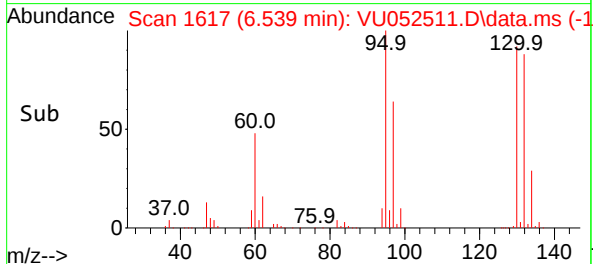
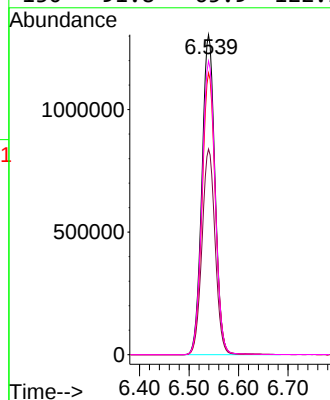
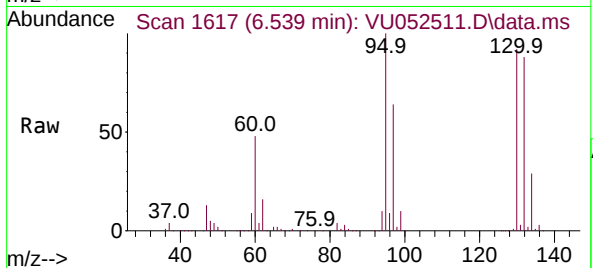


#34
Trichloroethene
Concen: 187.356 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Instrument :
MSVOA_U
ClientSampleId :
GBQB2

Tgt Ion: 95 Resp: 2408416

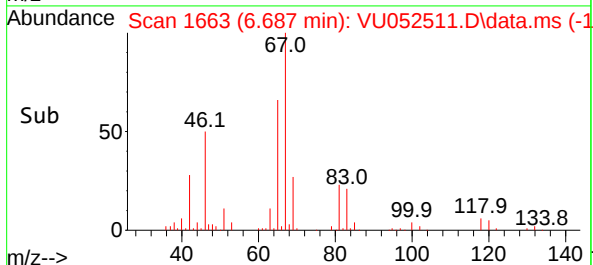
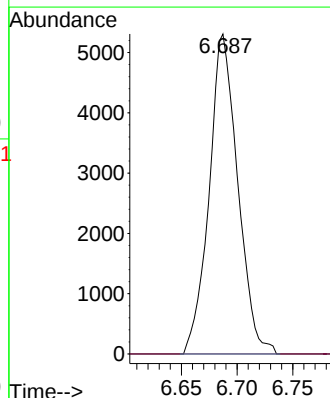
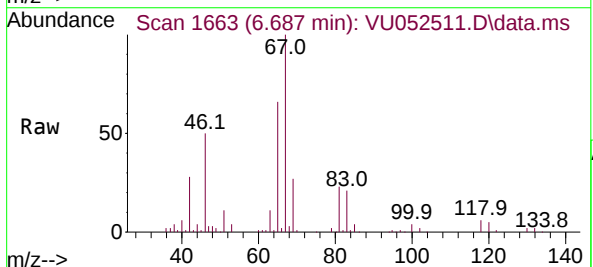
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.3	86.1
132	88.0	63.9	118.7
130	91.8	65.9	122.5

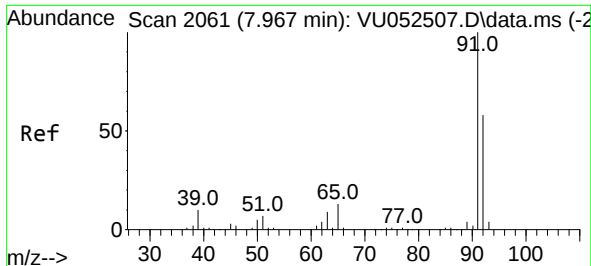


#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.099 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 63 Resp: 9507

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#





#42

Toluene

Concen: 0.216 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

MSVOA_U

ClientSampleId :

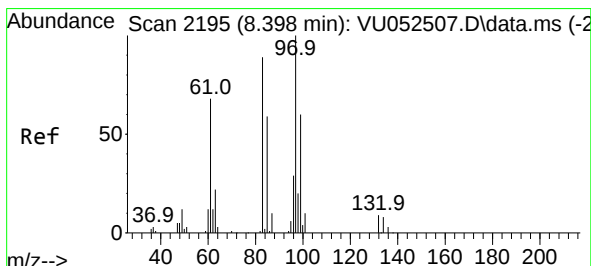
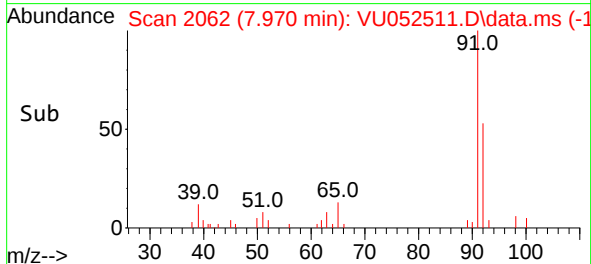
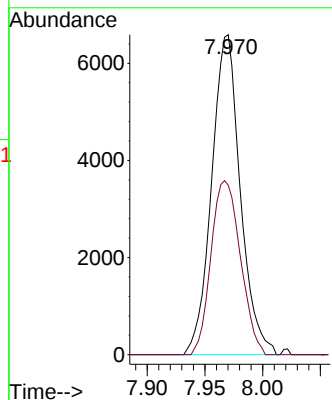
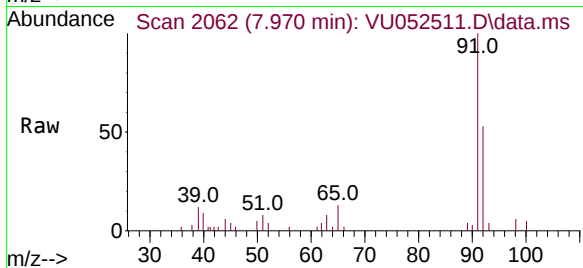
GBQB2

Tgt Ion: 91 Resp: 11387

Ion Ratio Lower Upper

91 100

92 53.0 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 1.978 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Tgt Ion: 97 Resp: 21500

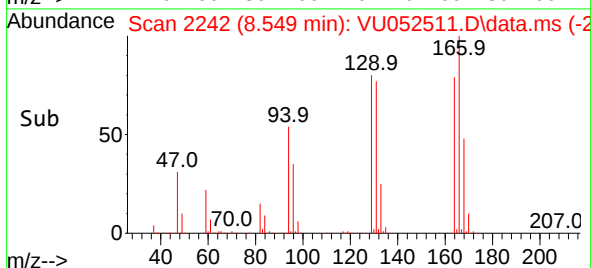
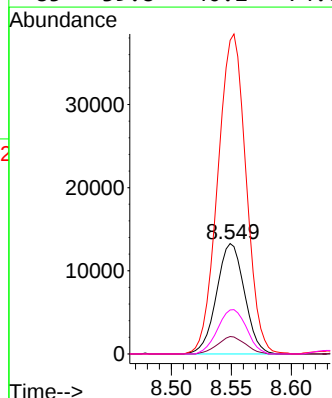
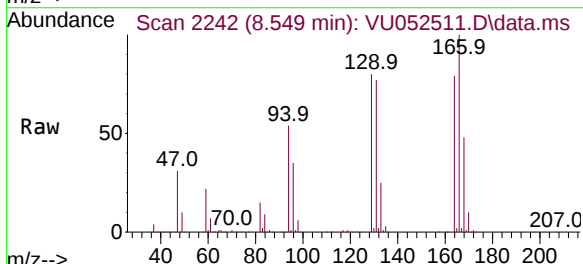
Ion Ratio Lower Upper

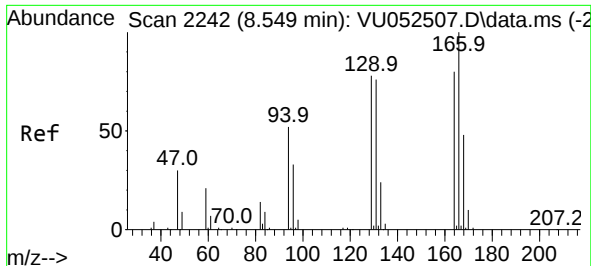
97 100

99 15.9 42.0 78.0#

83 283.9 63.2 117.4#

85 39.8 40.2 74.6#

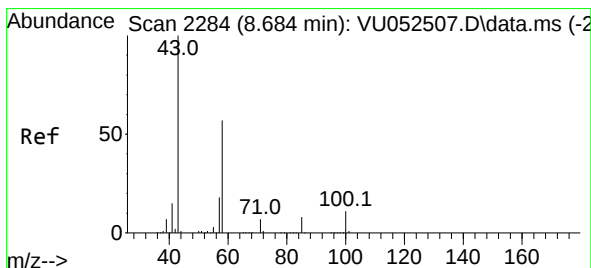
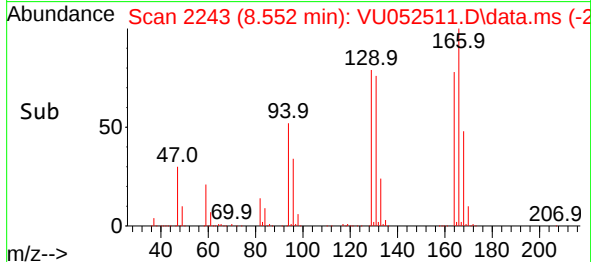
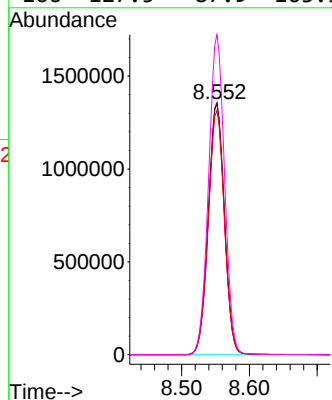
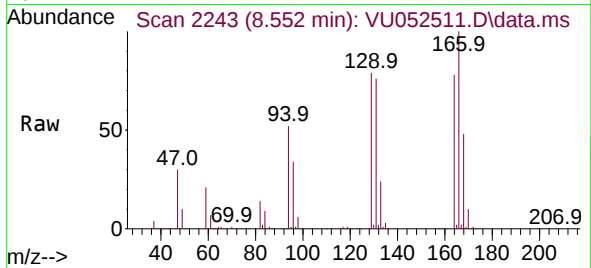




#47
Tetrachloroethene
Concen: 249.222 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

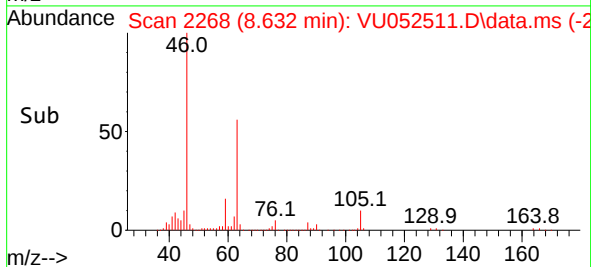
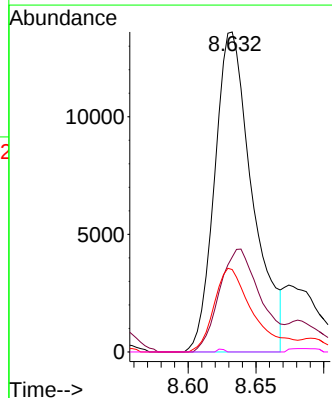
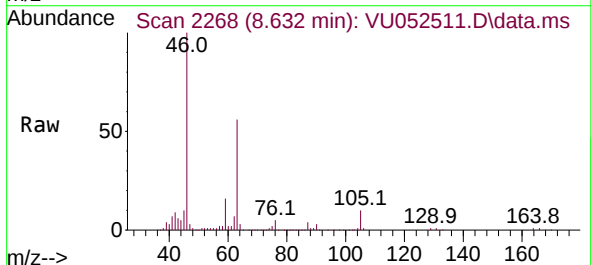
Instrument :
MSVOA_U
ClientSampleId :
GBQB2

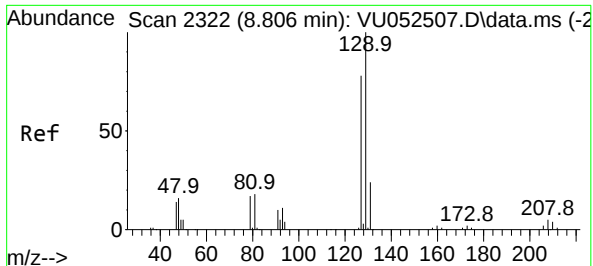
Tgt Ion:164 Resp: 2236269
Ion Ratio Lower Upper
164 100
129 100.4 68.1 126.5
131 97.3 66.5 123.5
166 127.5 87.9 163.3



#48
2-Hexanone
Concen: 3.114 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.051 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 43 Resp: 26320
Ion Ratio Lower Upper
43 100
58 35.7 44.1 66.1#
57 27.5 14.6 21.8#
100 0.2 8.5 12.7#





#49

Dibromochloromethane

Concen: 194.143 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

MSVOA_U

ClientSampleId :

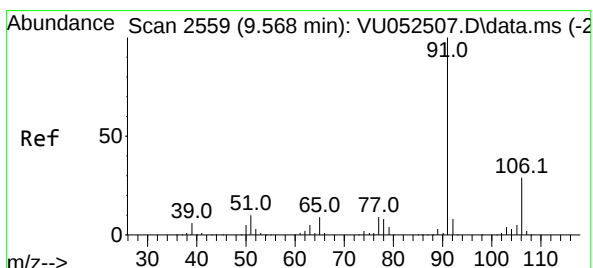
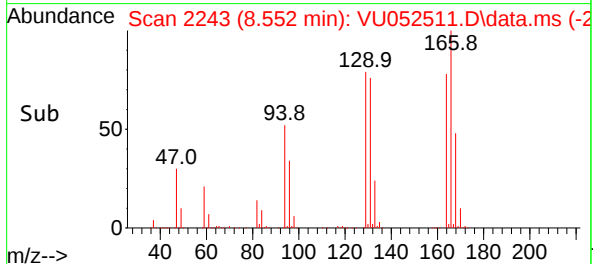
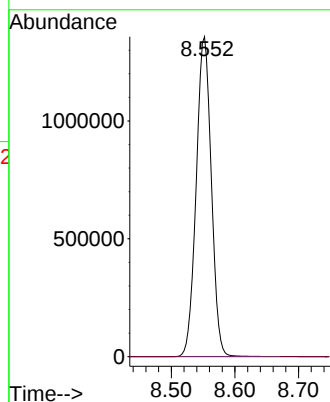
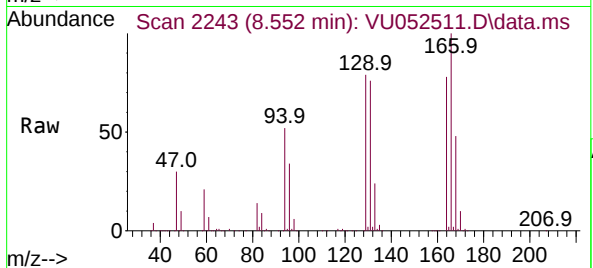
GBQB2

Tgt Ion:129 Resp: 2234115

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#52

Ethylbenzene

Concen: 0.130 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. 0.000 min

Lab File: VU052511.D

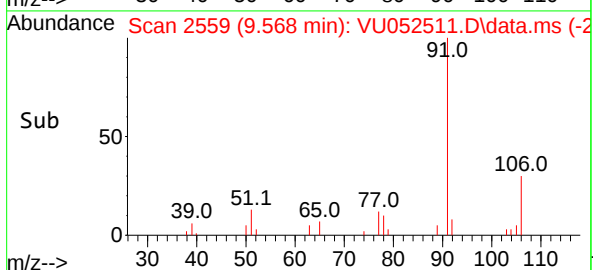
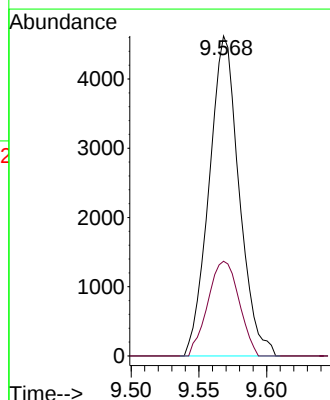
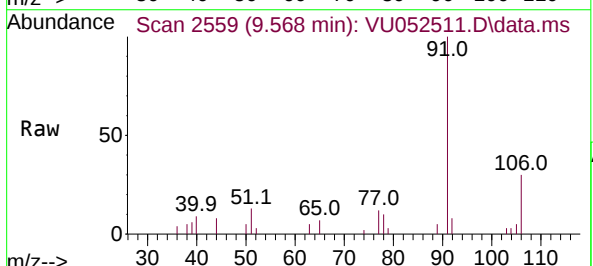
Acq: 22 Dec 2022 23:15

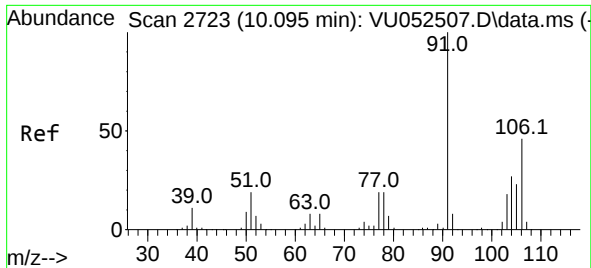
Tgt Ion: 91 Resp: 7100

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7

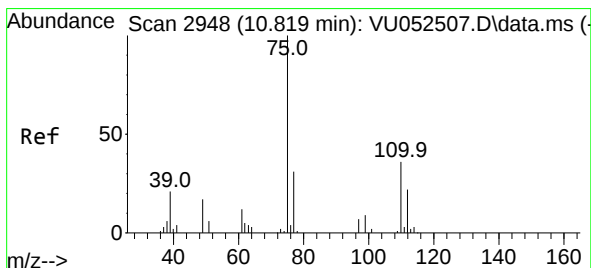
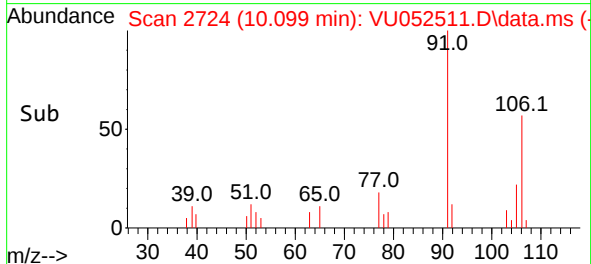
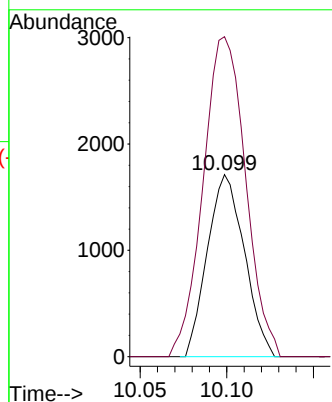
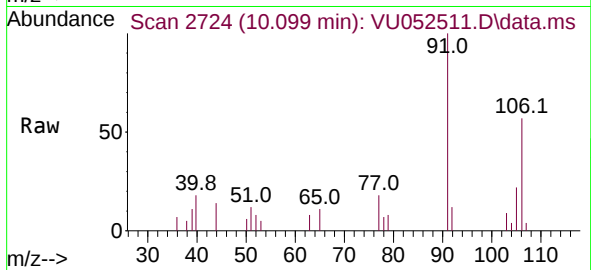




#54
o-Xylene
Concen: 0.132 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Instrument :
MSVOA_U
ClientSampleId :
GBQB2

Tgt Ion:106 Resp: 2544
Ion Ratio Lower Upper
106 100
91 175.7 153.2 284.4



#61
1,2,3-Trichloropropane
Concen: 0.985 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.991 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 75 Resp: 9297
Ion Ratio Lower Upper
75 100
110 1.0 27.9 41.9#
77 28.8 25.9 38.9

