

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052512.D
 Acq On : 22 Dec 2022 23:39
 Operator : JC/MD
 Sample : N6170-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB3

Quant Time: Dec 23 06:42:53 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	168574	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	165197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	73192	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	69421	4.065	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.916	69	64119	4.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.568	65	31033	4.223	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.632	46	314667	59.415	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.840%
24) Chloroform-d	5.060	84	130903	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.700	65	82600	4.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	5.726	84	269558	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.687	67	95348	4.890	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.896	98	211810	4.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.176	79	32800	4.913	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.629	63	228686	62.610	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.220%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	85954	5.193	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	76587	5.140	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	2207	0.175	ug/L #	1
13) Acetone	2.658	43	31225	7.998	ug/L	99
15) Methyl Acetate	2.961	43	4436	0.516	ug/L #	55
16) Methylene chloride	3.047	84	6193	0.347	ug/L	95
18) trans-1,2-Dichloroethene	3.353	96	52996	4.073	ug/L	98
21) 2-Butanone	4.732	43	10184	1.771	ug/L #	65
22) cis-1,2-Dichloroethene	4.665	96	221536	15.514	ug/L	96
33) Benzene	5.774	78	12011	0.202	ug/L	100
34) Trichloroethene	6.539	95	1270406	91.328	ug/L	99
37) 1,2-Dichloropropane	6.687	63	9792	0.590	ug/L #	88
42) Toluene	7.967	91	13602	0.238	ug/L	98
45) 1,1,2-Trichloroethane	8.549	97	9565	0.813	ug/L #	1
47) Tetrachloroethene	8.552	164	1015415	104.576	ug/L	98
48) 2-Hexanone	8.677	43	7167	0.784	ug/L #	46
49) Dibromochloromethane	8.549	129	1008509	80.988	ug/L #	11
61) 1,2,3-Trichloropropane	11.806	75	9486	0.904	ug/L #	70

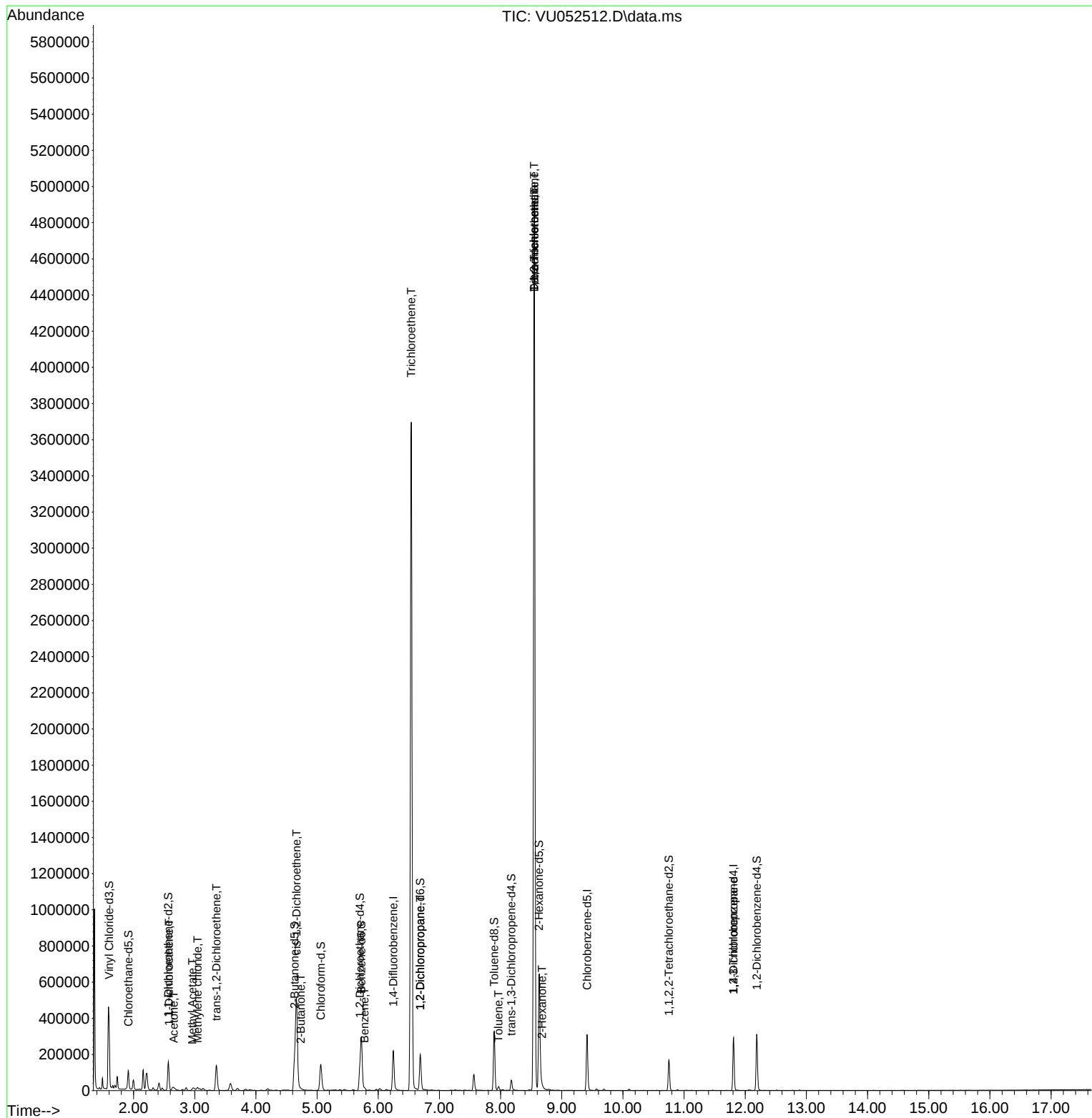
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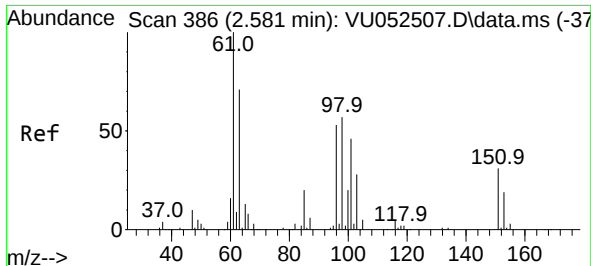
Instrument :
MSVOA_U
ClientSampleId :
GBQB3

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





#12

1,1-Dichloroethene

Concen: 0.175 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA_U

ClientSampleId :

GBQB3

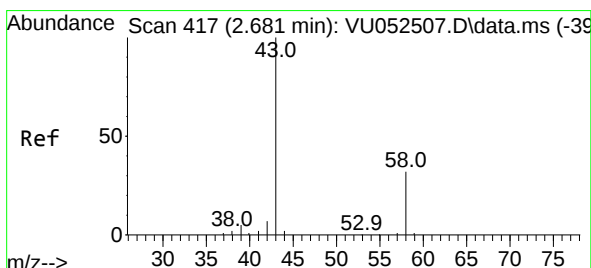
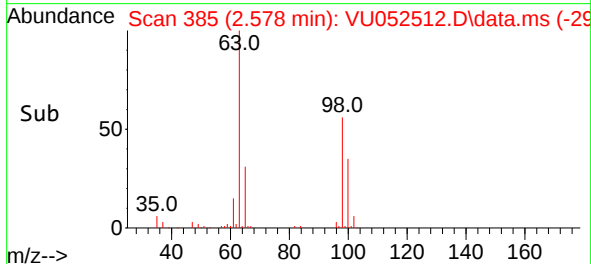
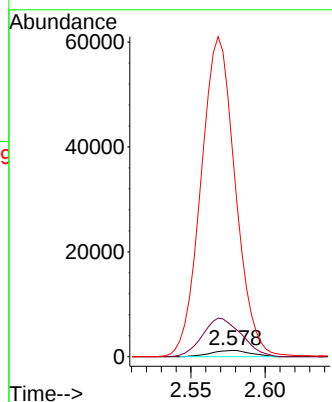
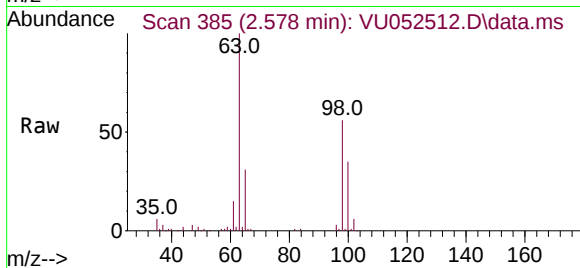
Tgt Ion: 96 Resp: 2207

Ion Ratio Lower Upper

96 100

61 484.6 135.4 251.4#

63 3295.7 95.4 177.2#



#13

Acetone

Concen: 7.998 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.022 min

Lab File: VU052512.D

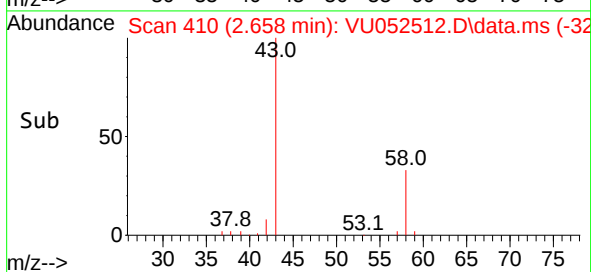
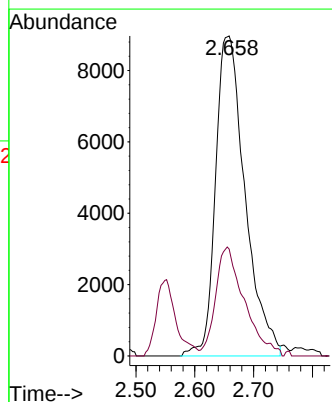
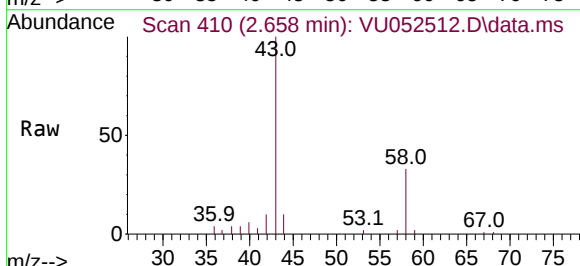
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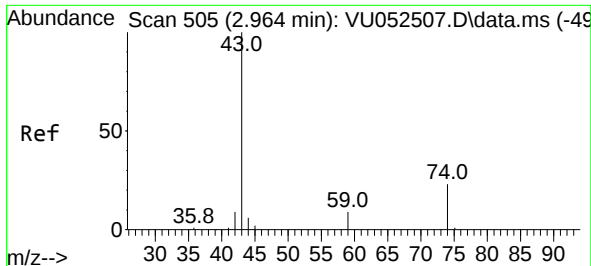
Tgt Ion: 43 Resp: 31225

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4

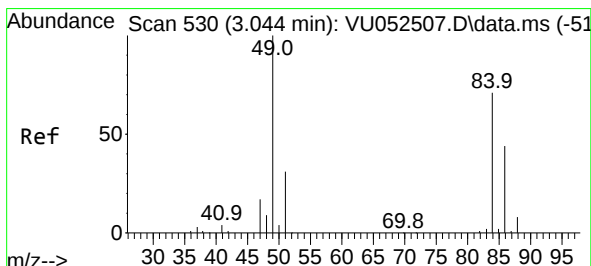
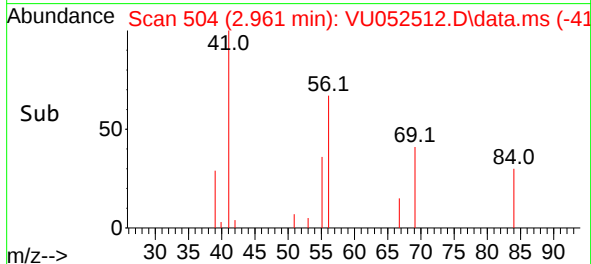
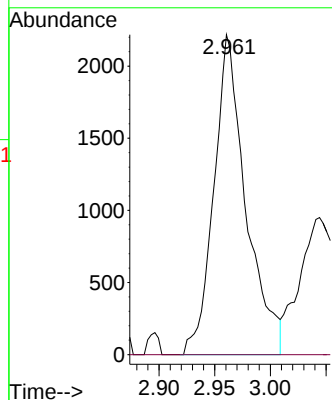
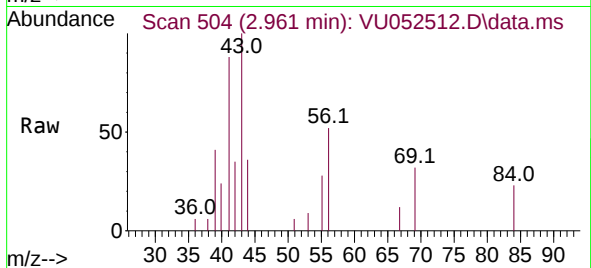




#15
Methyl Acetate
Concen: 0.516 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

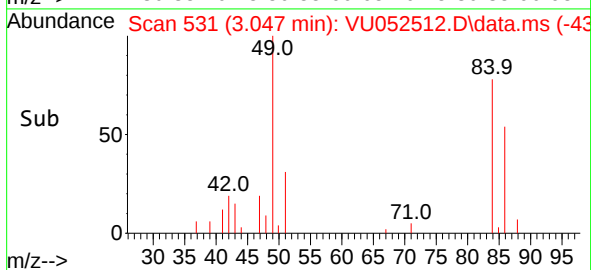
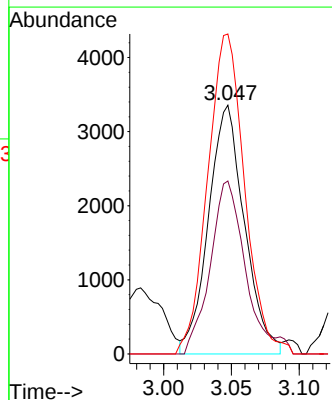
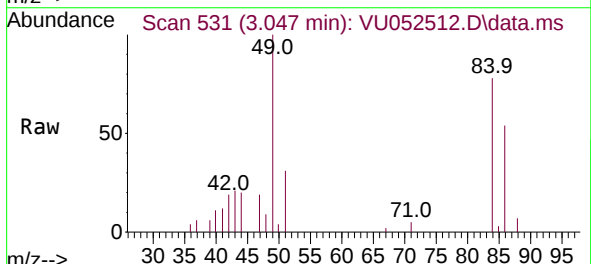
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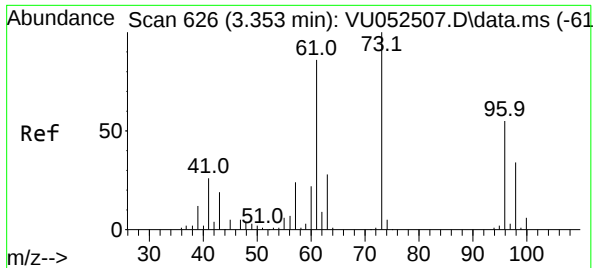
Tgt Ion: 43 Resp: 4436
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#16
Methylene chloride
Concen: 0.347 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

Tgt Ion: 84 Resp: 6193
Ion Ratio Lower Upper
84 100
86 69.5 44.7 83.1
49 128.6 93.3 173.3

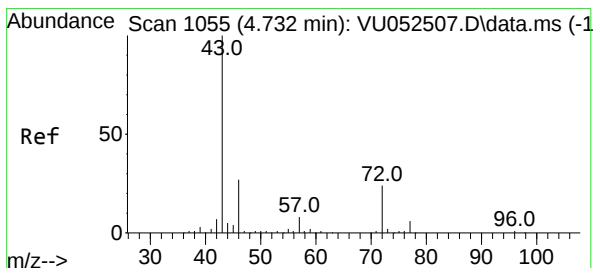
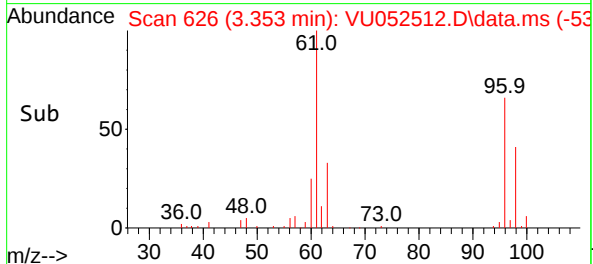
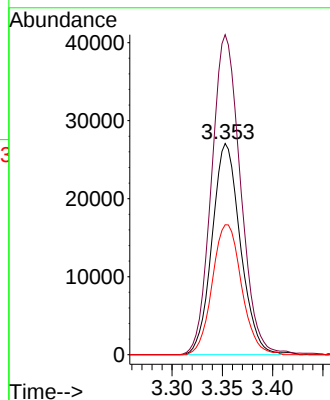
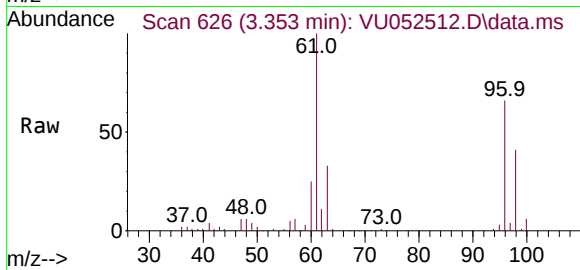




#18
trans-1,2-Dichloroethene
Concen: 4.073 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

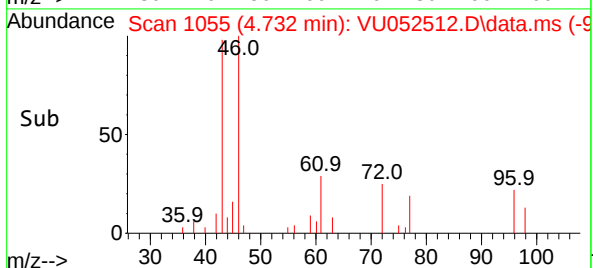
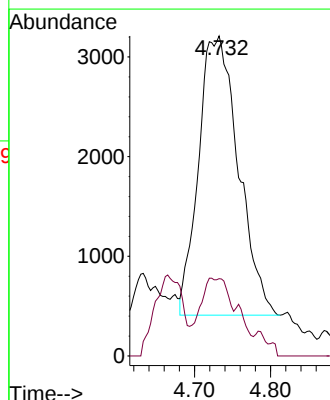
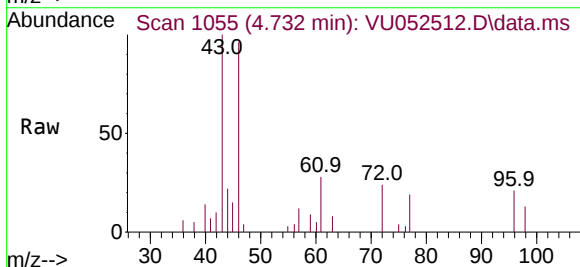
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ClientSampleId :
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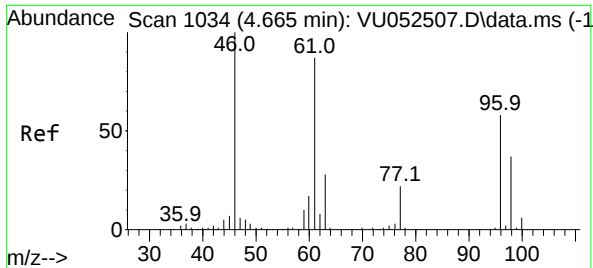
Tgt Ion: 96 Resp: 52996
Ion Ratio Lower Upper
96 100
61 151.5 108.3 201.1
98 61.6 44.0 81.6



#21
2-Butanone
Concen: 1.771 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

Tgt Ion: 43 Resp: 10184
Ion Ratio Lower Upper
43 100
72 6.1 11.6 34.7#

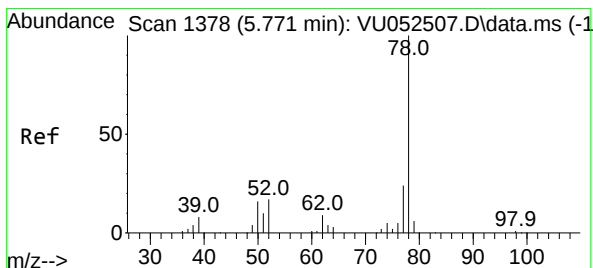
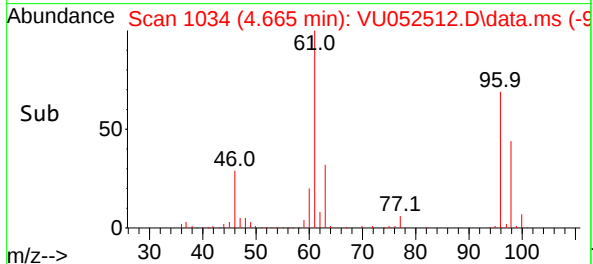
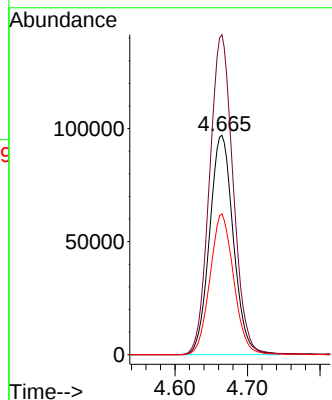
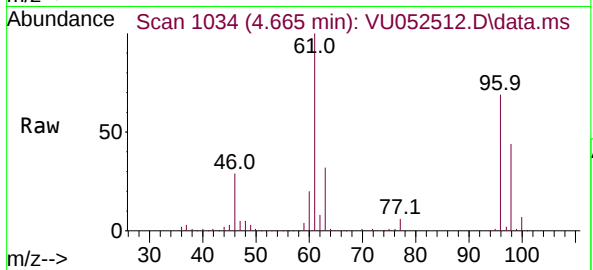




#22
 cis-1,2-Dichloroethene
 Concen: 15.514 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052512.D
 Acq: 22 Dec 2022 23:39

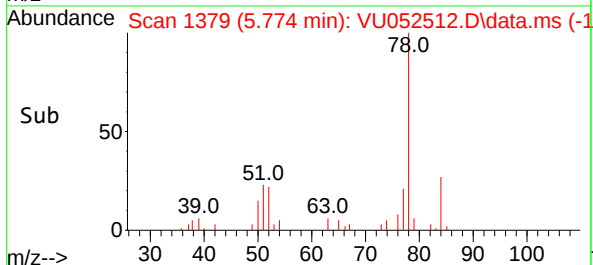
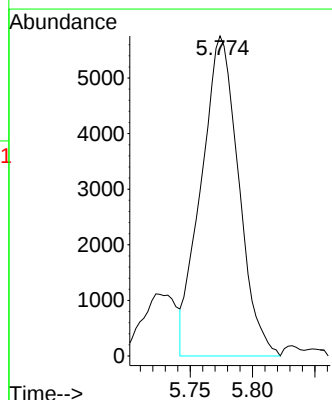
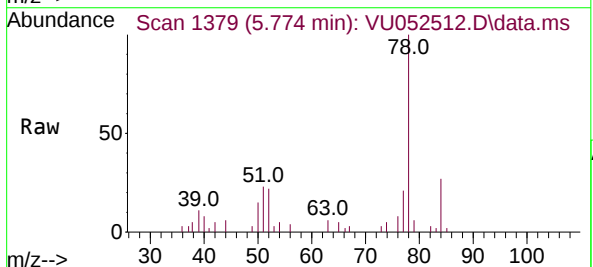
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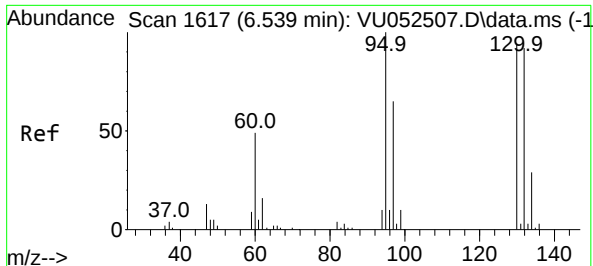
Tgt Ion: 96 Resp: 221536
 Ion Ratio Lower Upper
 96 100
 61 145.9 96.9 180.1
 98 64.2 44.7 83.1



#33
 Benzene
 Concen: 0.202 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. 0.003 min
 Lab File: VU052512.D
 Acq: 22 Dec 2022 23:39

Tgt Ion: 78 Resp: 12011

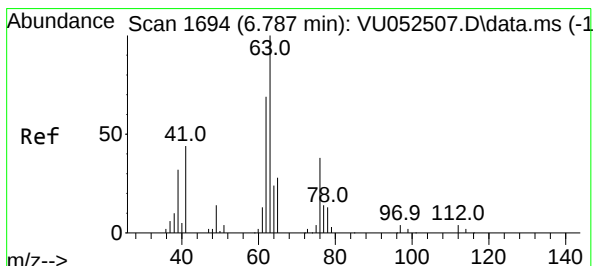
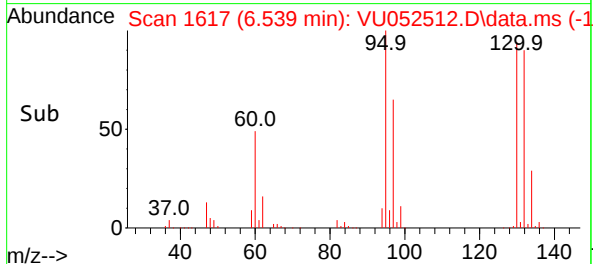
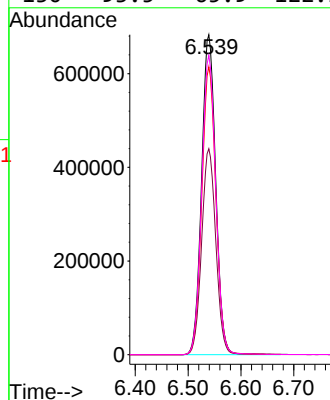
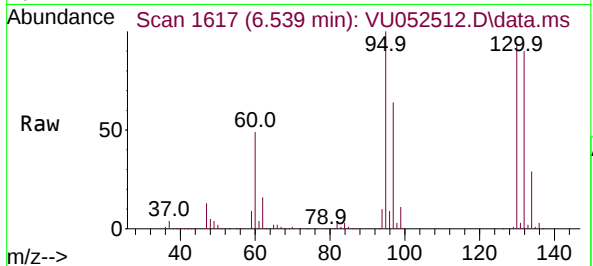




#34
Trichloroethene
Concen: 91.328 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

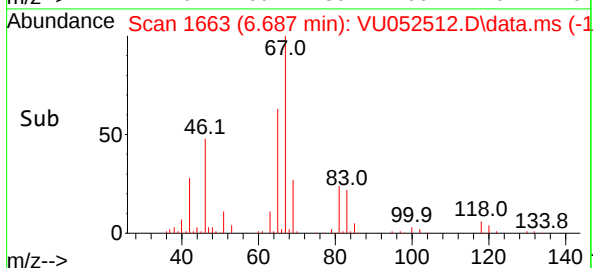
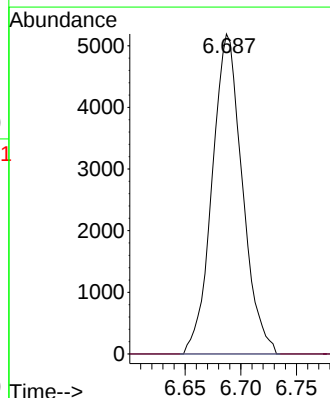
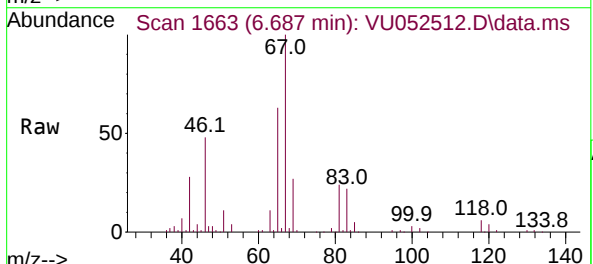
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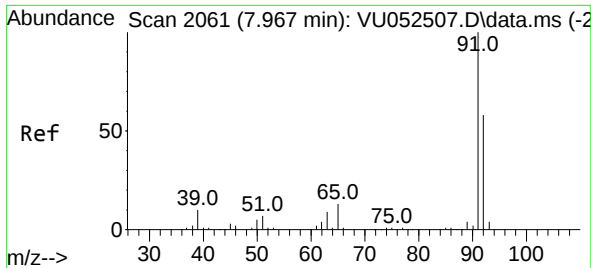
Tgt Ion: 95 Resp: 1270406
Ion Ratio Lower Upper
95 100
97 64.4 46.3 86.1
132 90.0 63.9 118.7
130 93.5 65.9 122.5



#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

Tgt Ion: 63 Resp: 9792
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#42

Toluene

Concen: 0.238 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA_U

ClientSampleId :

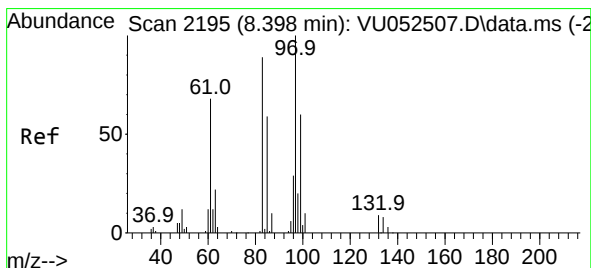
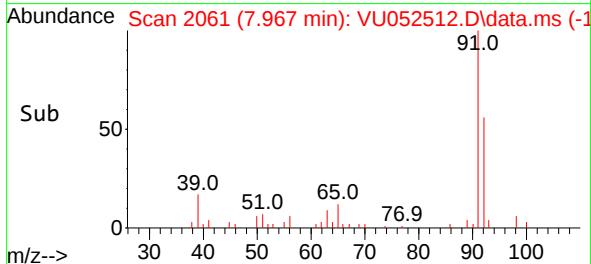
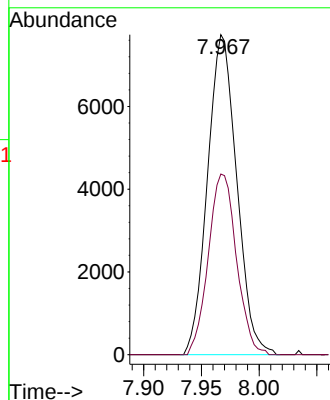
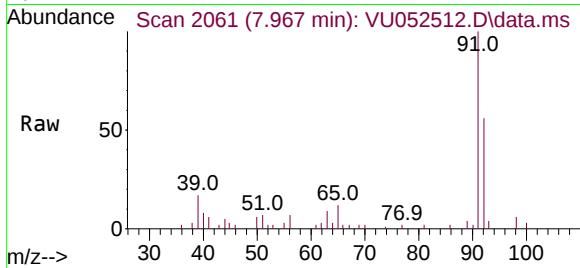
GBQB3

Tgt Ion: 91 Resp: 13602

Ion Ratio Lower Upper

91 100

92 56.4 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 0.813 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Tgt Ion: 97 Resp: 9565

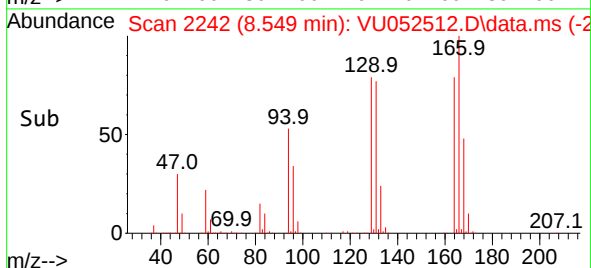
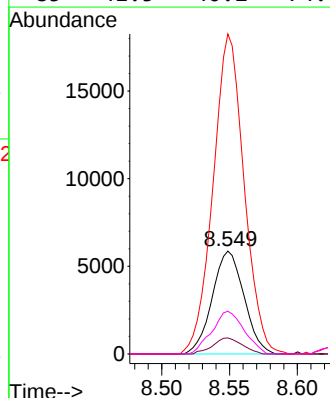
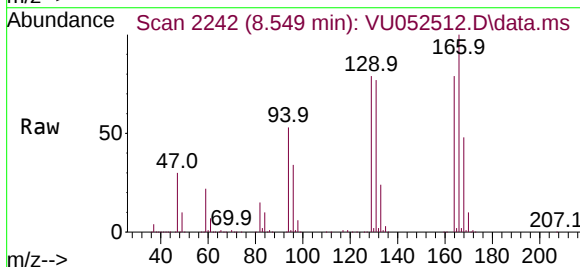
Ion Ratio Lower Upper

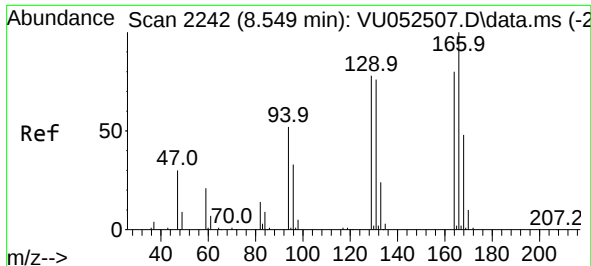
97 100

99 15.5 42.0 78.0#

83 311.2 63.2 117.4#

85 41.5 40.2 74.6

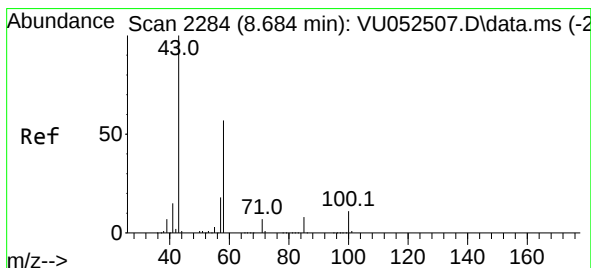
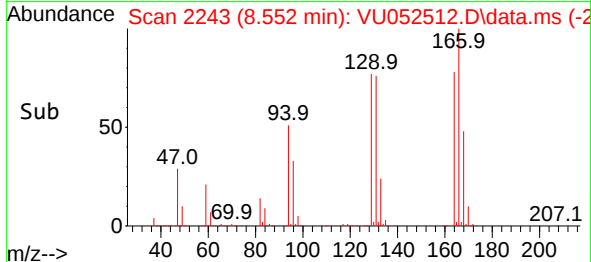
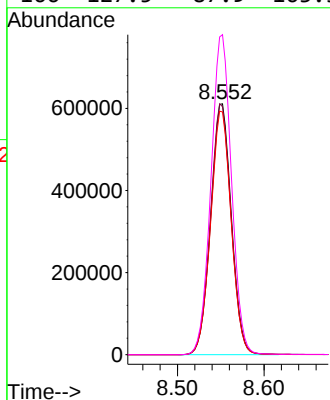
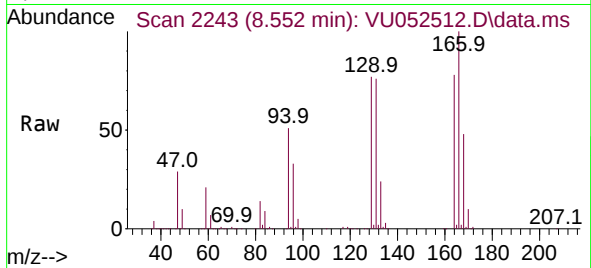




#47
Tetrachloroethene
Concen: 104.576 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

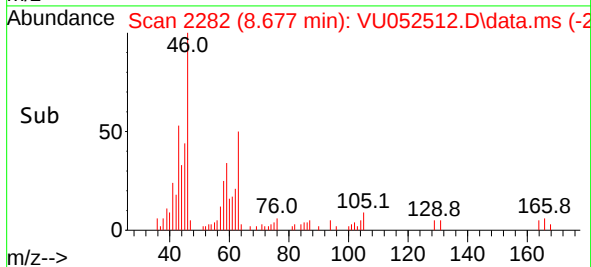
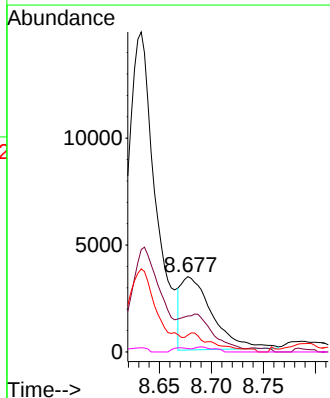
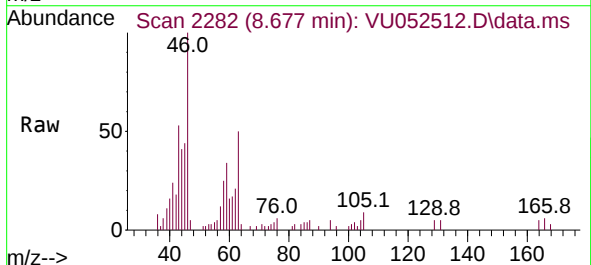
Instrument :
MSVOA_U
ClientSampleId :
GBQB3

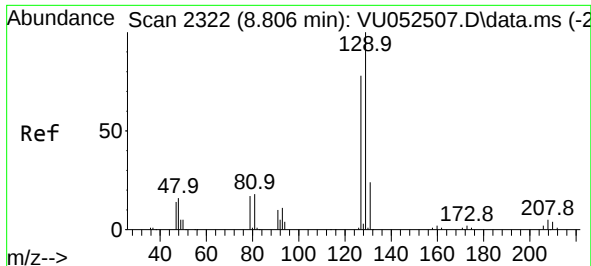
Tgt Ion:164 Resp: 1015415
Ion Ratio Lower Upper
164 100
129 98.8 68.1 126.5
131 96.7 66.5 123.5
166 127.5 87.9 163.3



#48
2-Hexanone
Concen: 0.784 ug/L
RT: 8.677 min Scan# 2282
Delta R.T. -0.006 min
Lab File: VU052512.D
Acq: 22 Dec 2022 23:39

Tgt Ion: 43 Resp: 7167
Ion Ratio Lower Upper
43 100
58 0.0 44.1 66.1#
57 15.3 14.6 21.8
100 3.1 8.5 12.7#





#49

Dibromochloromethane

Concen: 80.988 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Instrument :

MSVOA_U

ClientSampleId :

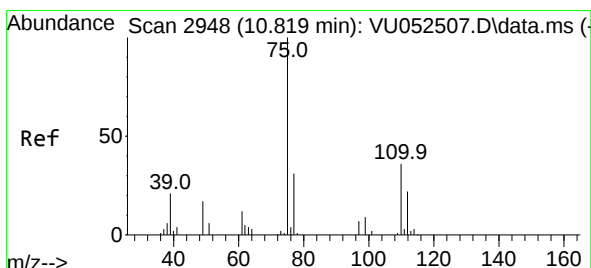
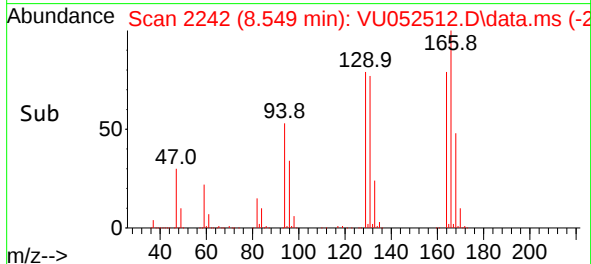
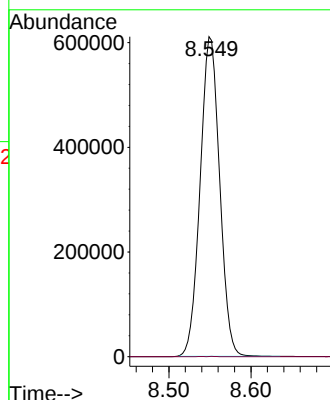
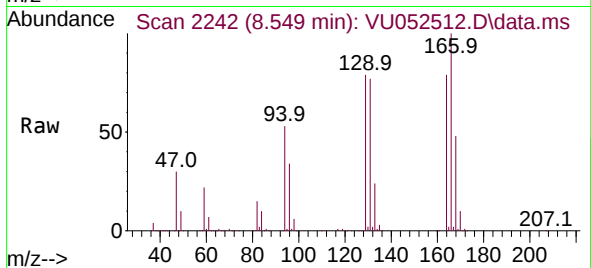
GBQB3

Tgt Ion:129 Resp: 1008509

Ion Ratio Lower Upper

129 100

127 0.1 54.2 100.6#



#61

1,2,3-Trichloropropane

Concen: 0.904 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU052512.D

Acq: 22 Dec 2022 23:39

Tgt Ion: 75 Resp: 9486

Ion Ratio Lower Upper

75 100

110 2.8 27.9 41.9#

77 33.4 25.9 38.9

