

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052510.D
 Acq On : 22 Dec 2022 22:52
 Operator : JC/MD
 Sample : N6170-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB1

Quant Time: Dec 23 06:42:24 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	153825	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	149684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62623	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68044	4.366	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.916	69	60735	4.519	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.568	65	29841	4.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.645	46	312521	64.668	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.340%
24) Chloroform-d	5.060	84	122389	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.697	65	80237	5.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.726	84	247901	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.687	67	90691	5.134	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.896	98	197723	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.176	79	30712	5.077	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.632	63	228836	69.144	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.280%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	84554	5.638	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	69471	5.449	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	2397	0.208	ug/L #	1
14) Carbon disulfide	2.793	76	6770	0.182	ug/L	100
15) Methyl Acetate	2.964	43	5436	0.693	ug/L #	55
16) Methylene chloride	3.047	84	7536	0.463	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	4395	0.370	ug/L	89
22) cis-1,2-Dichloroethene	4.665	96	39304	3.016	ug/L	95
33) Benzene	5.774	78	9725	0.180	ug/L	100
34) Trichloroethene	6.539	95	1058103	83.949	ug/L	99
35) Methylcyclohexane	6.687	83	19731	1.038	ug/L #	14
37) 1,2-Dichloropropane	6.687	63	8812	0.586	ug/L #	88
42) Toluene	7.967	91	8368	0.162	ug/L	96
45) 1,1,2-Trichloroethane	8.549	97	5437	0.510	ug/L #	1
47) Tetrachloroethene	8.549	164	584769	66.466	ug/L	99
48) 2-Hexanone	8.632	43	27930	3.370	ug/L #	43
49) Dibromochloromethane	8.549	129	581639	51.549	ug/L #	11
54) o-Xylene	10.099	106	2371	0.125	ug/L	97
61) 1,2,3-Trichloropropane	11.809	75	9098	1.013	ug/L #	69

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Quant Time: Dec 23 06:42:24 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

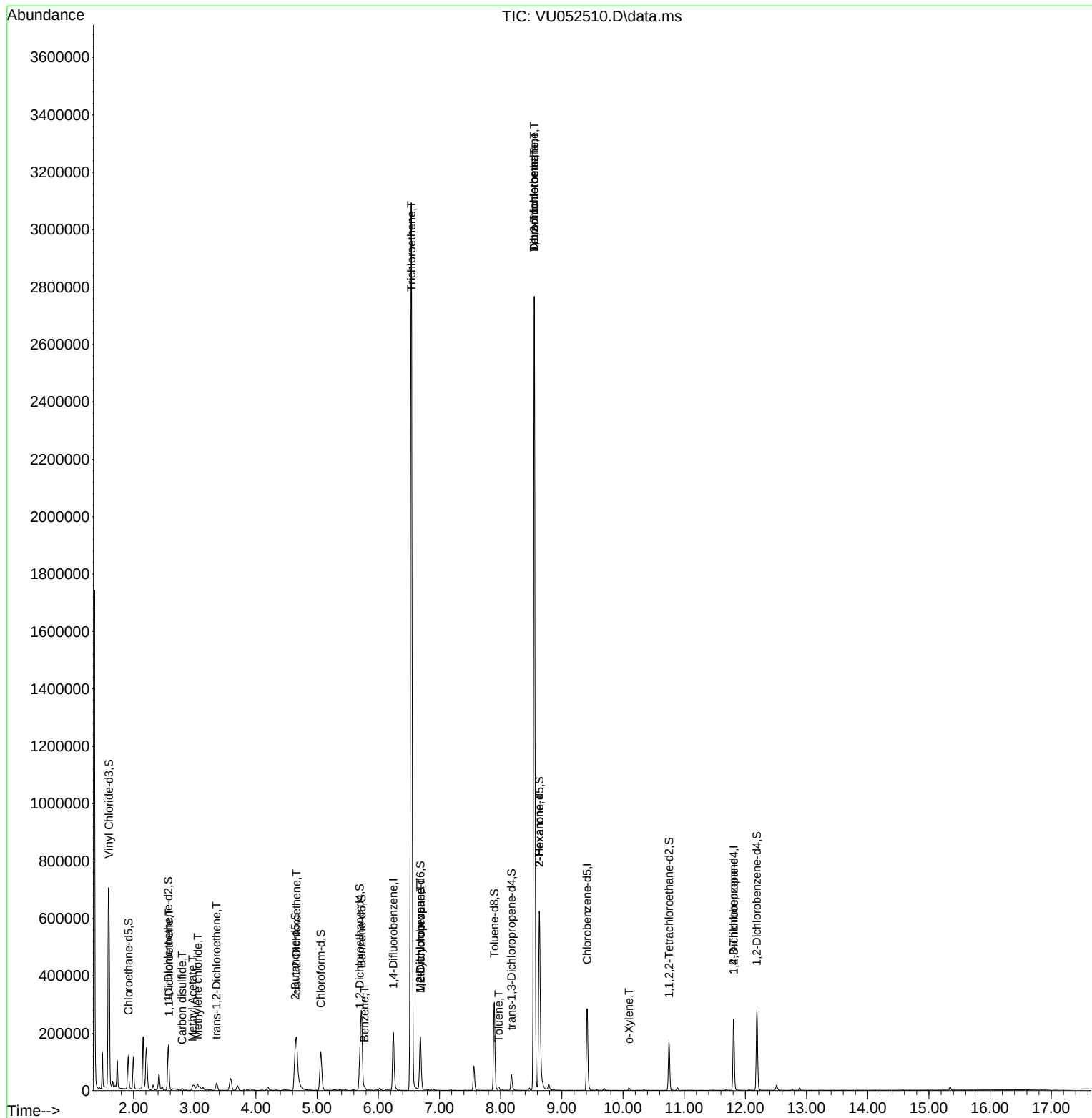
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

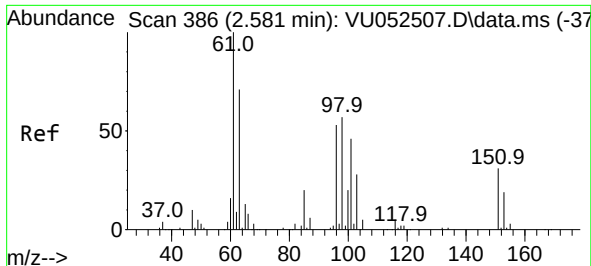
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#12

1,1-Dichloroethene

Concen: 0.208 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU052510.D

Acq: 22 Dec 2022 22:52

Instrument :

MSVOA_U

ClientSampleId :

GBQB1

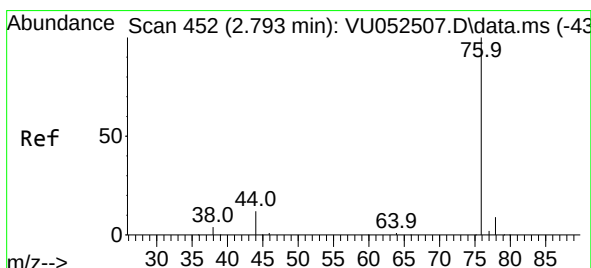
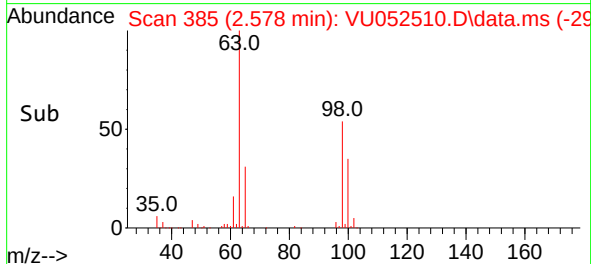
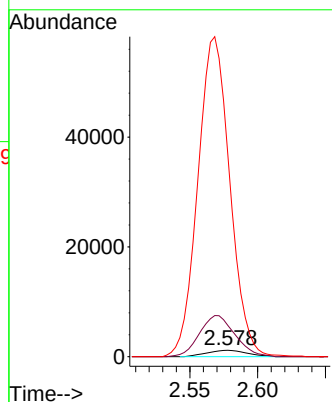
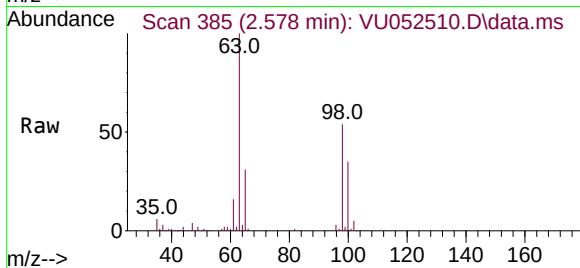
Tgt Ion: 96 Resp: 2397

Ion Ratio Lower Upper

96 100

61 488.4 135.4 251.4#

63 3148.5 95.4 177.2#



#14

Carbon disulfide

Concen: 0.182 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052510.D

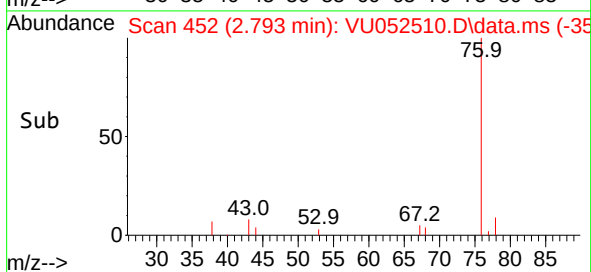
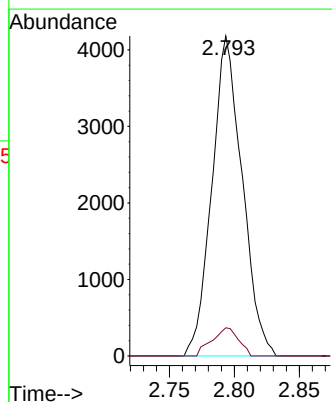
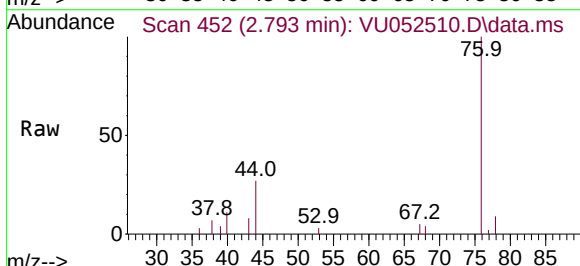
Acq: 22 Dec 2022 22:52

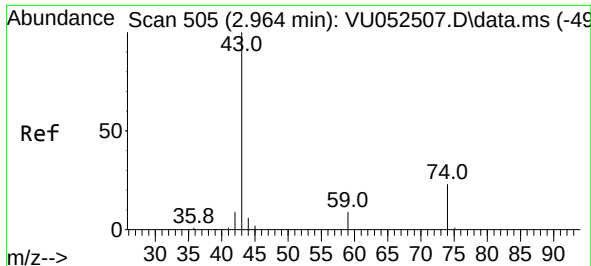
Tgt Ion: 76 Resp: 6770

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

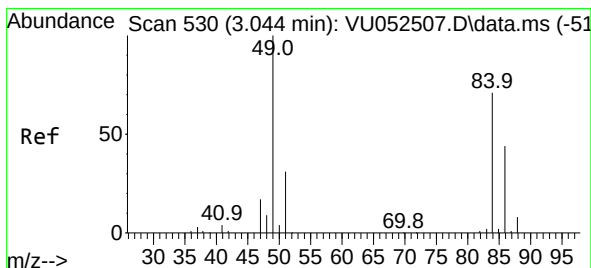
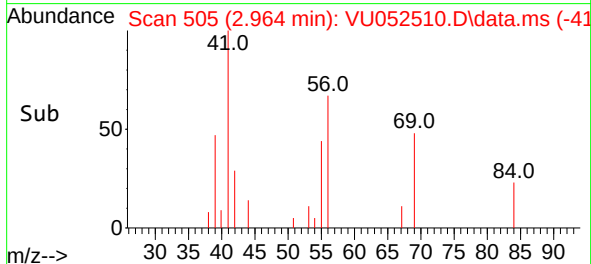
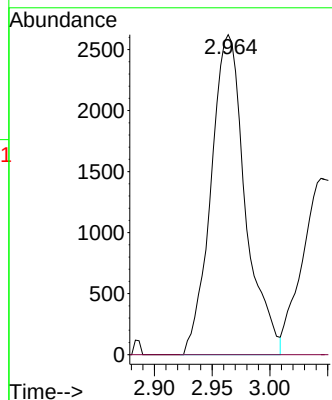
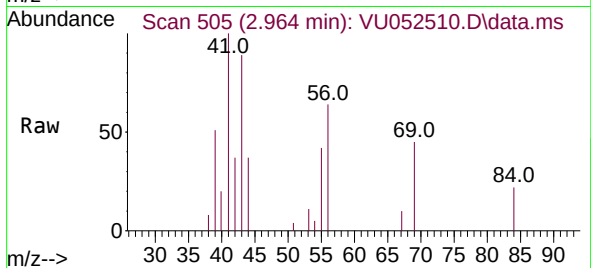




#15
Methyl Acetate
Concen: 0.693 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

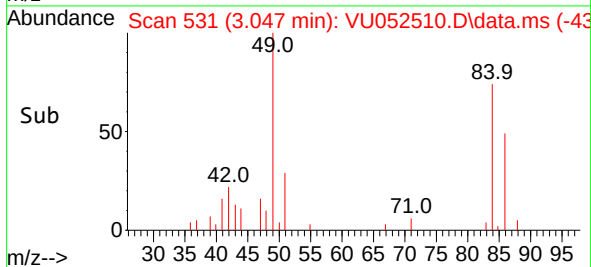
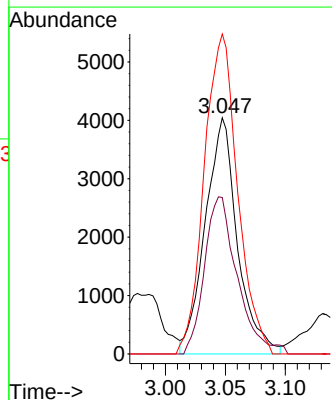
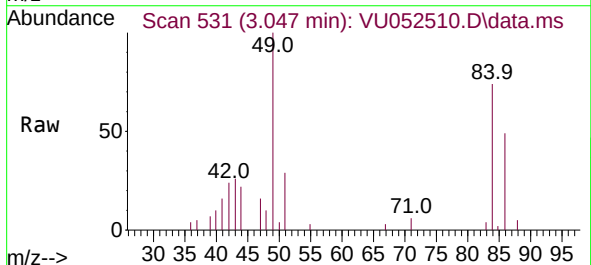
Instrument :
MSVOA_U
ClientSampleId :
GBQB1

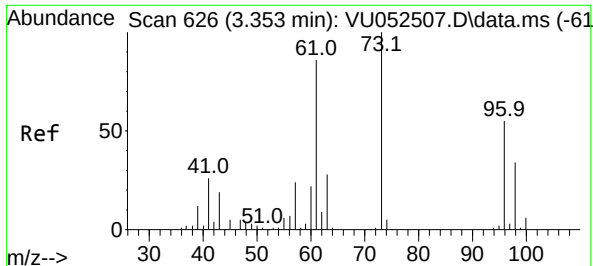
Tgt Ion: 43 Resp: 5436
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#16
Methylene chloride
Concen: 0.463 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion: 84 Resp: 7536
Ion Ratio Lower Upper
84 100
86 66.3 44.7 83.1
49 135.5 93.3 173.3

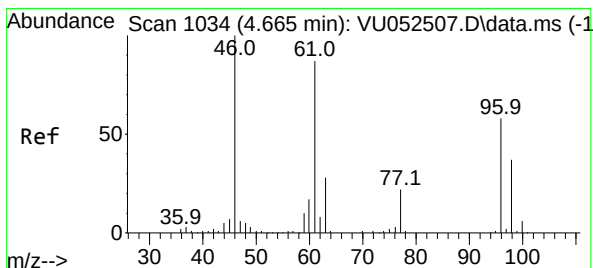
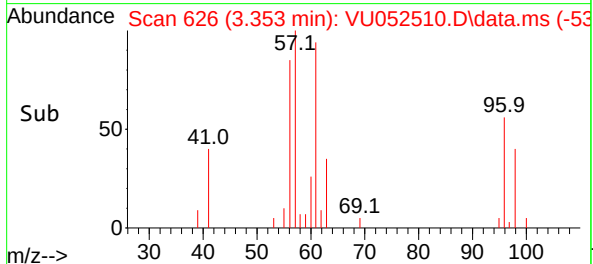
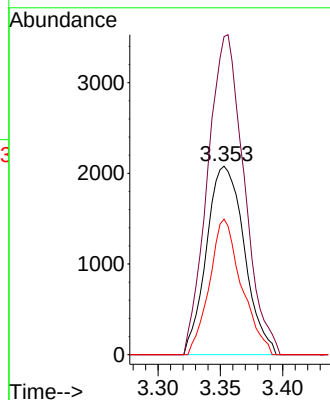
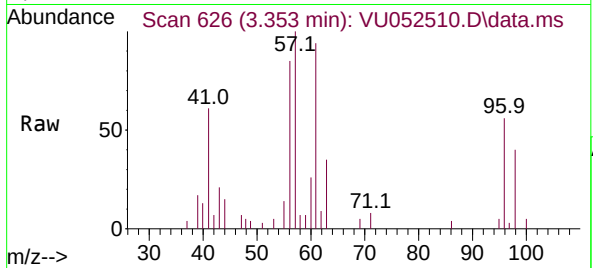




#18
trans-1,2-Dichloroethene
Concen: 0.370 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

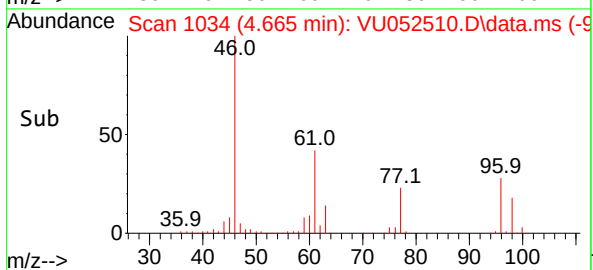
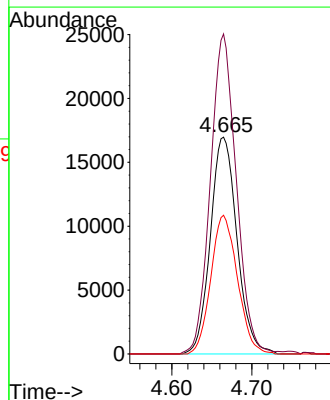
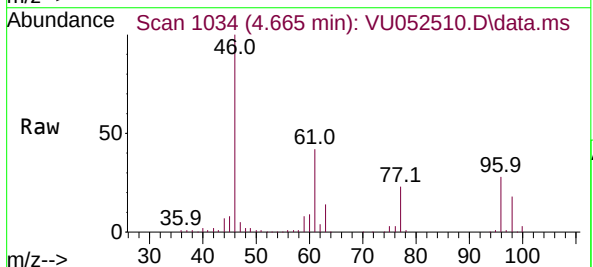
Instrument :
MSVOA_U
ClientSampleId :
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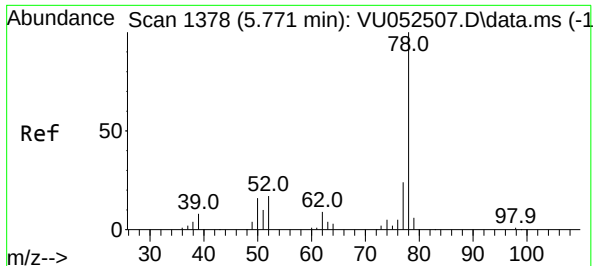
Tgt Ion: 96 Resp: 4395
Ion Ratio Lower Upper
96 100
61 168.8 108.3 201.1
98 71.9 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 3.016 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion: 96 Resp: 39304
Ion Ratio Lower Upper
96 100
61 147.5 96.9 180.1
98 64.0 44.7 83.1

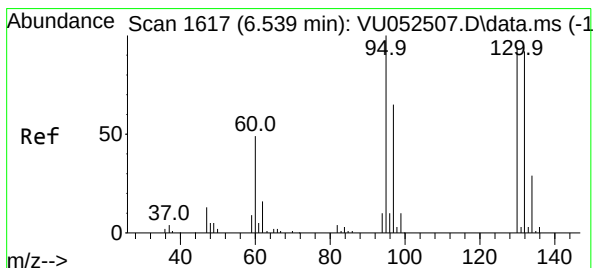
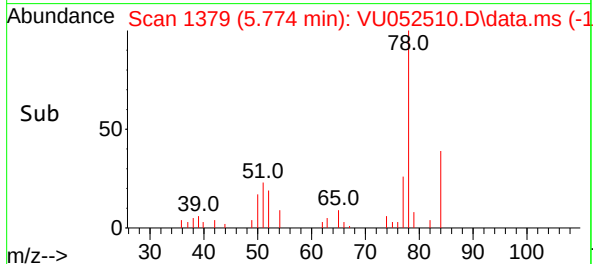
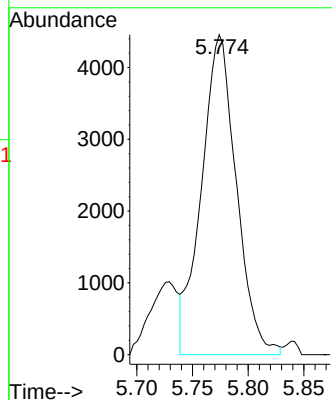
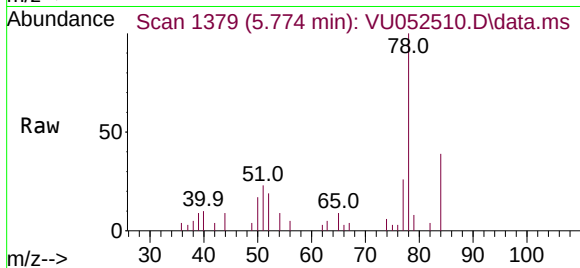




#33
Benzene
Concen: 0.180 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Instrument :
MSVOA_U
ClientSampleId :
GBQB1

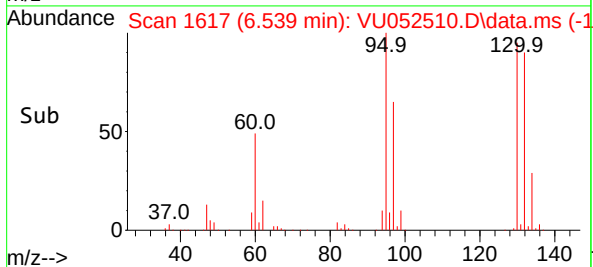
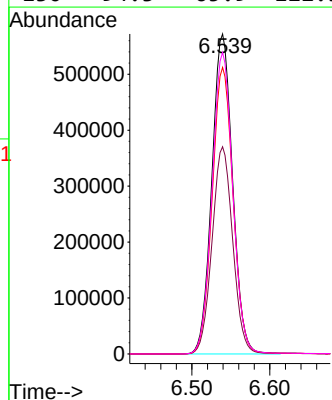
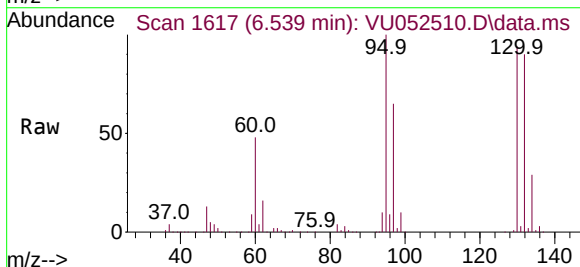
Tgt Ion: 78 Resp: 9725

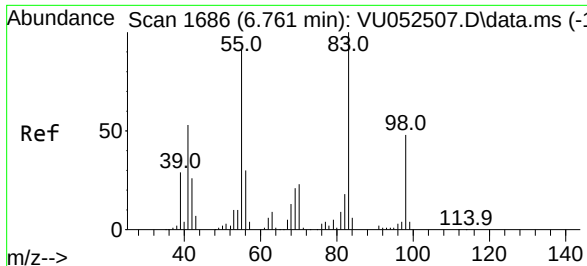


#34
Trichloroethene
Concen: 83.949 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion: 95 Resp: 1058103

Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.3	86.1
132	89.6	63.9	118.7
130	94.3	65.9	122.5

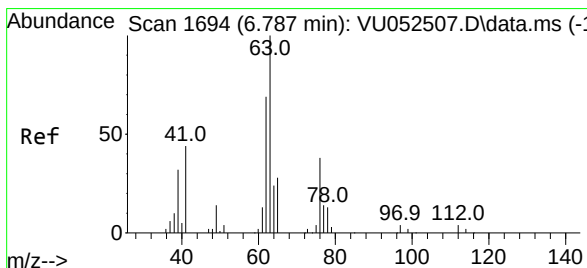
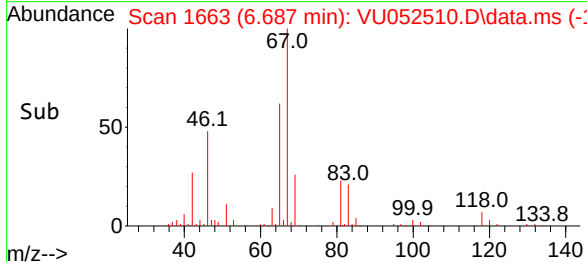
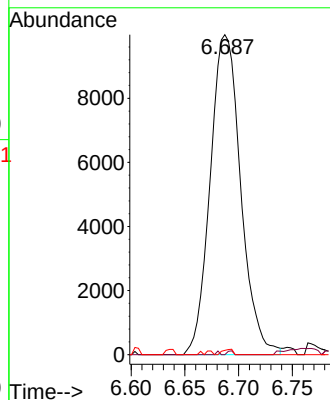
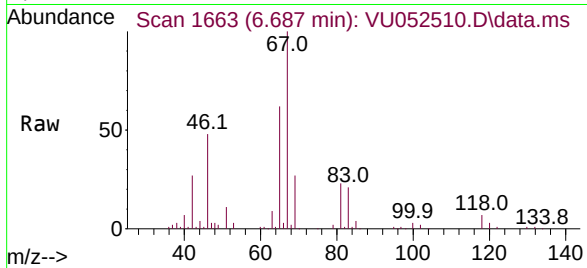




#35
Methylcyclohexane
Concen: 1.038 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

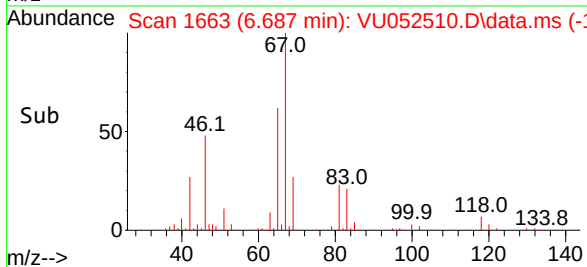
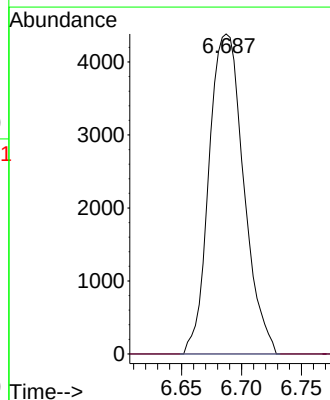
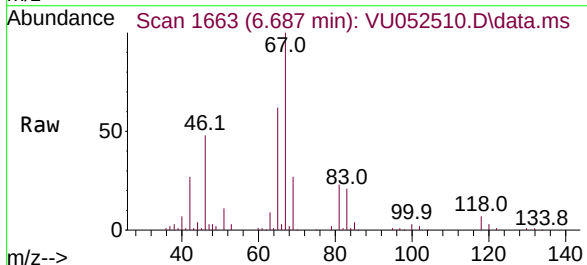
Instrument :
MSVOA_U
ClientSampleId :
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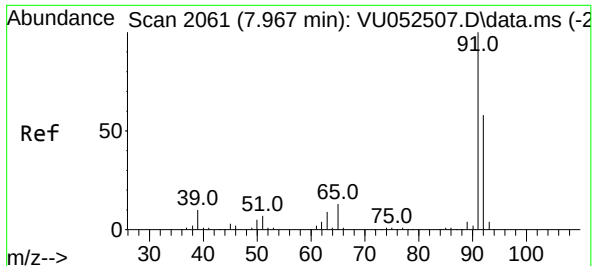
Tgt Ion: 83 Resp: 19731
Ion Ratio Lower Upper
83 100
55 0.2 71.4 107.0#
98 0.0 36.5 54.7#



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion: 63 Resp: 8812
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#42

Toluene

Concen: 0.162 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052510.D

Acq: 22 Dec 2022 22:52

Instrument :

MSVOA_U

ClientSampleId :

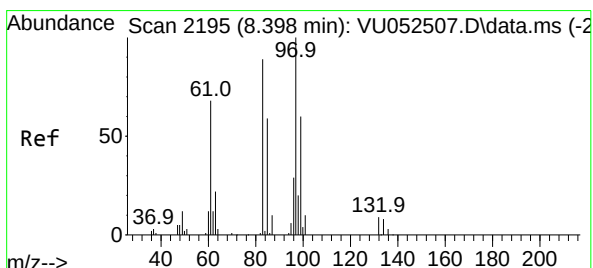
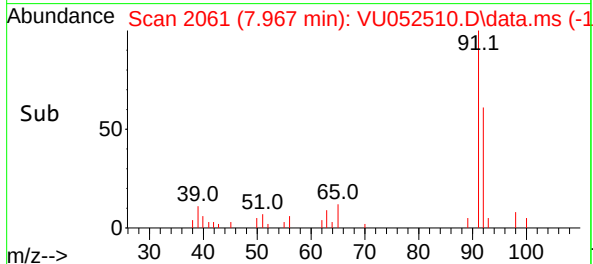
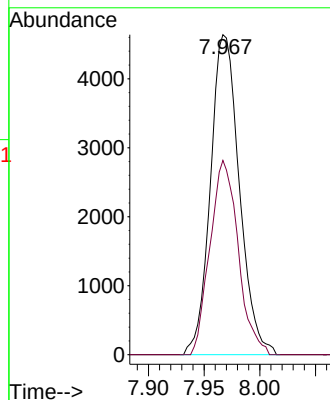
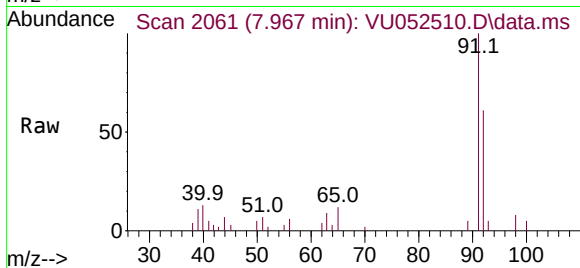
GBQB1

Tgt Ion: 91 Resp: 8368

Ion Ratio Lower Upper

91 100

92 60.7 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 0.510 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU052510.D

Acq: 22 Dec 2022 22:52

Tgt Ion: 97 Resp: 5437

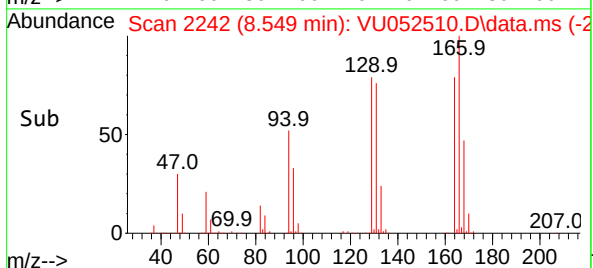
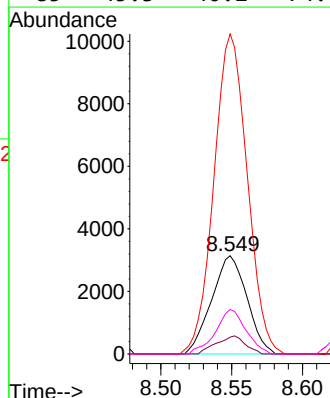
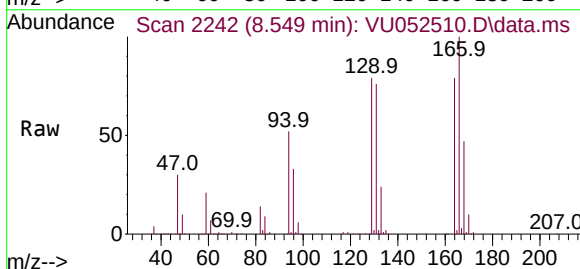
Ion Ratio Lower Upper

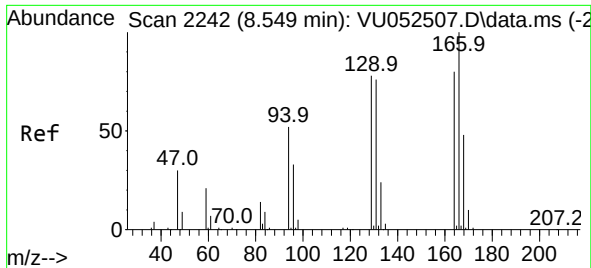
97 100

99 17.0 42.0 78.0#

83 325.8 63.2 117.4#

85 45.3 40.2 74.6

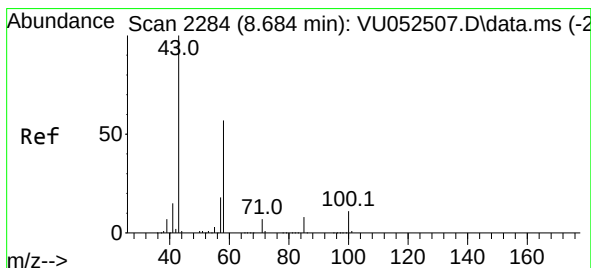
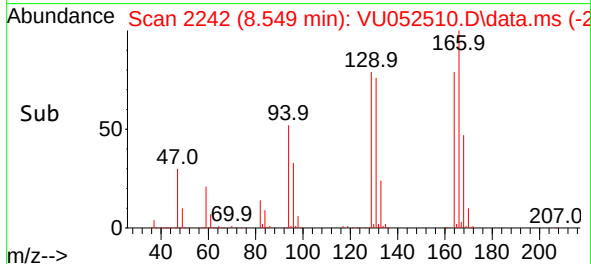
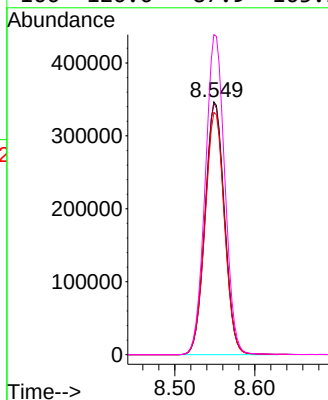
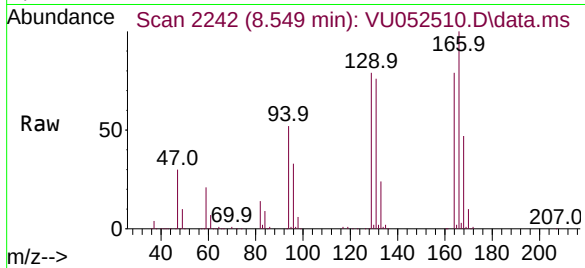




#47
Tetrachloroethene
Concen: 66.466 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

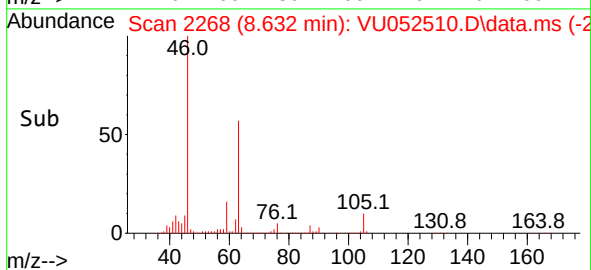
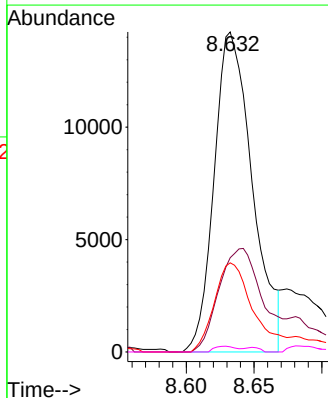
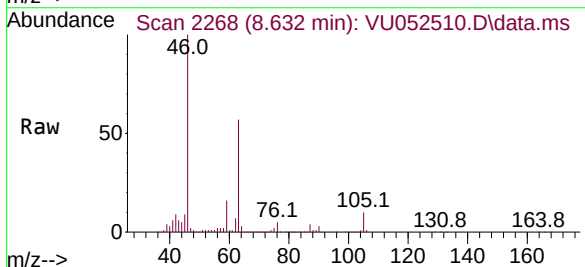
Instrument :
MSVOA_U
ClientSampleId :
GBQB1

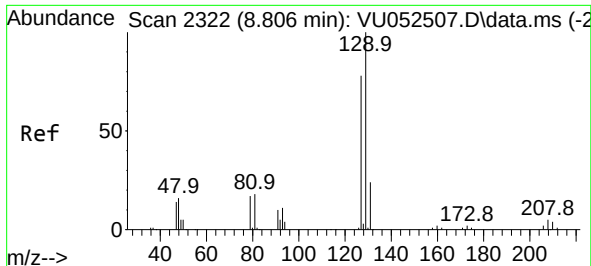
Tgt Ion:164 Resp: 584769
Ion Ratio Lower Upper
164 100
129 99.4 68.1 126.5
131 95.8 66.5 123.5
166 126.6 87.9 163.3



#48
2-Hexanone
Concen: 3.370 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.051 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion: 43 Resp: 27930
Ion Ratio Lower Upper
43 100
58 1.6 44.1 66.1#
57 28.4 14.6 21.8#
100 1.0 8.5 12.7#

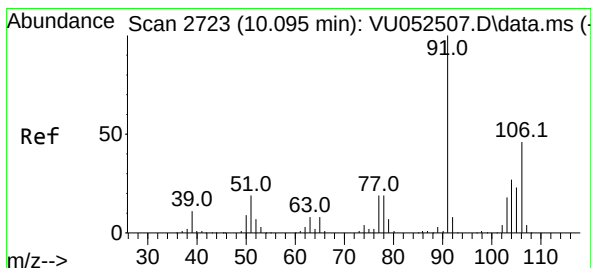
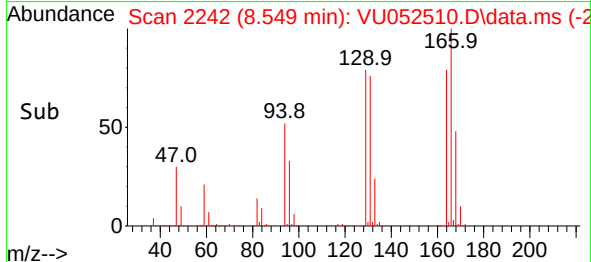
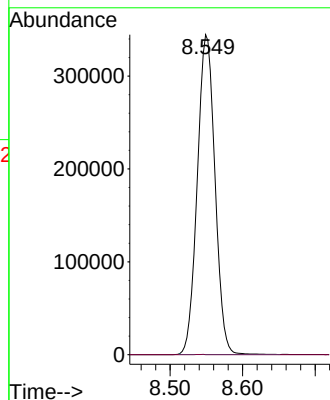
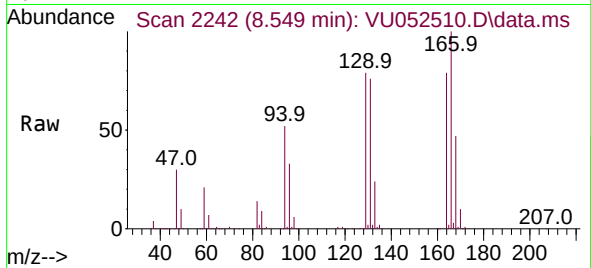




#49
Dibromochloromethane
Concen: 51.549 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

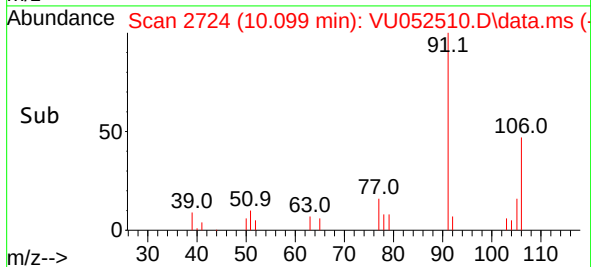
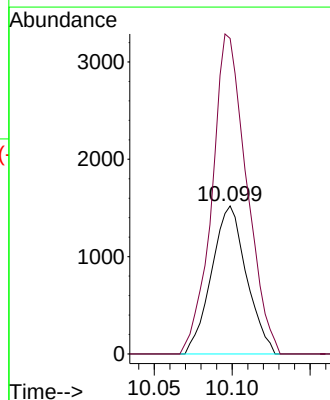
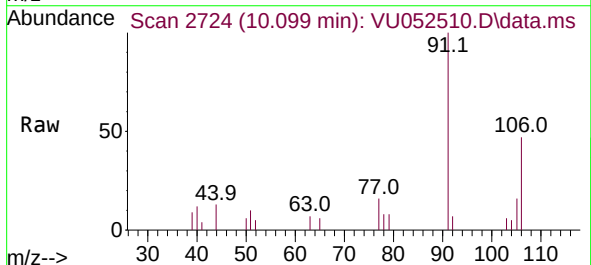
Instrument :
MSVOA_U
ClientSampleId :
GBQB1

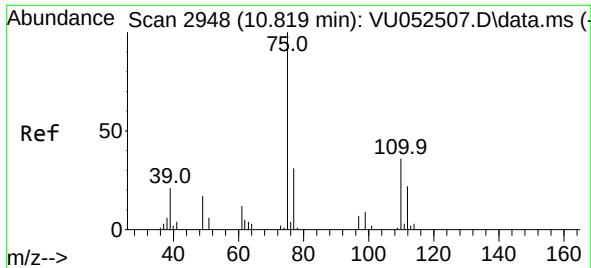
Tgt Ion:129 Resp: 581639
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#



#54
o-Xylene
Concen: 0.125 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU052510.D
Acq: 22 Dec 2022 22:52

Tgt Ion:106 Resp: 2371
Ion Ratio Lower Upper
106 100
91 213.3 153.2 284.4





#61
 1,2,3-Trichloropropane
 Concen: 1.013 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052510.D
 Acq: 22 Dec 2022 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB1

Tgt Ion: 75 Resp: 9098
 Ion Ratio Lower Upper
 75 100
 110 1.7 27.9 41.9#
 77 30.5 25.9 38.9

