

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052517.D
 Acq On : 23 Dec 2022 01:36
 Operator : JC/MD
 Sample : N6169-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA2

Quant Time: Dec 23 06:44:16 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	194797	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	183695	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	88236	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69157	3.504	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.916	69	66904	3.931	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.600%
11) 1,1-Dichloroethene-d2	2.568	65	31522	3.712	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.200%
20) 2-Butanone-d5	4.633	46	347733	56.820	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.640%
24) Chloroform-d	5.060	84	135981	4.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.697	65	84568	4.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.726	84	285727	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.687	67	100617	4.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.896	98	232980	4.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.176	79	34326	4.624	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.629	63	255240	62.843	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.680%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	95568	5.192	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	89326	4.972	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
5) Vinyl chloride	1.604	62	2744	0.121	ug/L #	1
14) Carbon disulfide	2.797	76	13427	0.286	ug/L	98
15) Methyl Acetate	2.961	43	4803	0.483	ug/L #	55
16) Methylene chloride	3.044	84	7524	0.365	ug/L	94
18) trans-1,2-Dichloroethene	3.353	96	97158	6.462	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	217289	13.168	ug/L	100
33) Benzene	5.771	78	11194	0.169	ug/L	100
34) Trichloroethene	6.539	95	80815	5.225	ug/L	98
37) 1,2-Dichloropropane	6.690	63	9651	0.523	ug/L #	88
42) Toluene	7.970	91	12108	0.191	ug/L	100
47) Tetrachloroethene	8.549	164	172928	16.016	ug/L	98
48) 2-Hexanone	8.681	43	8181	0.804	ug/L #	80
49) Dibromochloromethane	8.549	129	166899	12.053	ug/L #	11
53) m,p-Xylene	9.690	106	7808	0.323	ug/L	83
54) o-Xylene	10.095	106	6064	0.261	ug/L	96
61) 1,2,3-Trichloropropane	11.806	75	12474	0.986	ug/L #	70
63) 1,2,4-Trimethylbenzene	11.465	105	10741	0.226	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 23 06:08:56 2022
Response via : Initial Calibration

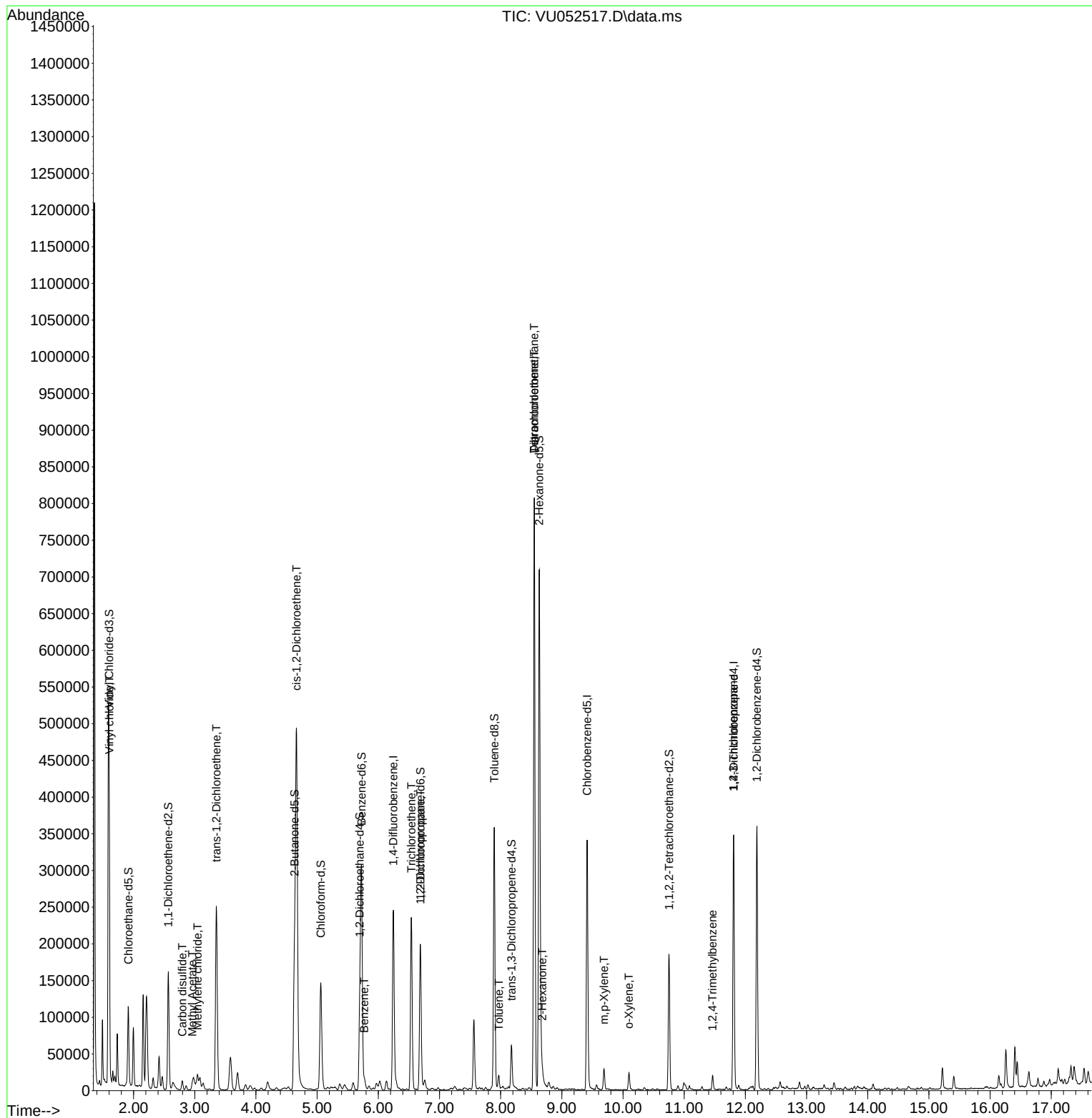
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

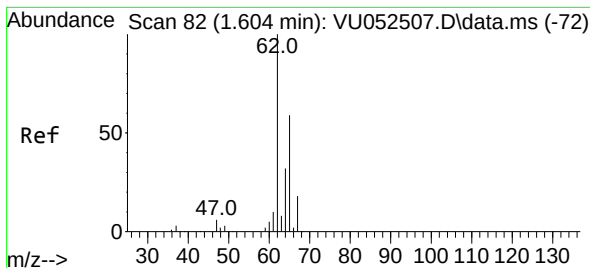
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 0.121 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052517.D

Acq: 23 Dec 2022 01:36

Instrument :

MSVOA_U

ClientSampleId :

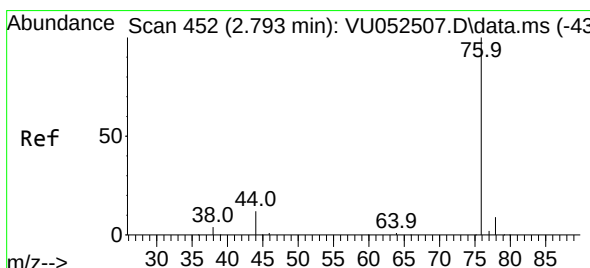
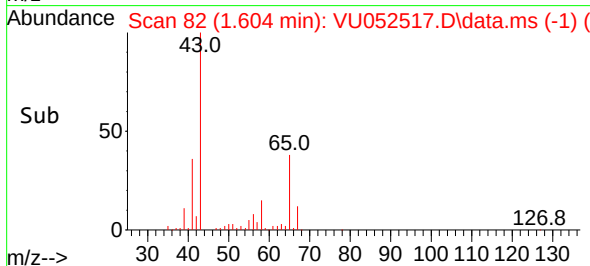
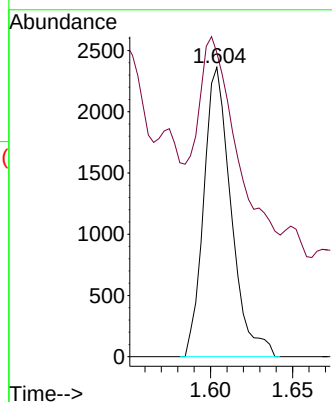
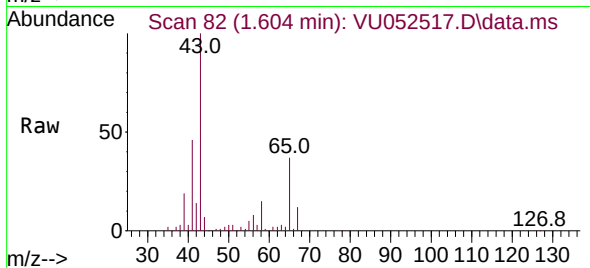
GBQA2

Tgt Ion: 62 Resp: 2744

Ion Ratio Lower Upper

62 100

64 105.1 24.4 45.4#



#14

Carbon disulfide

Concen: 0.286 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052517.D

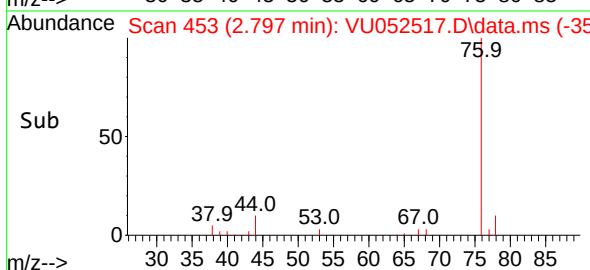
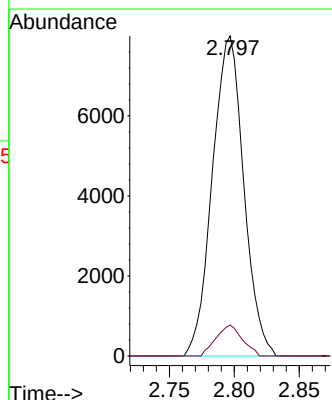
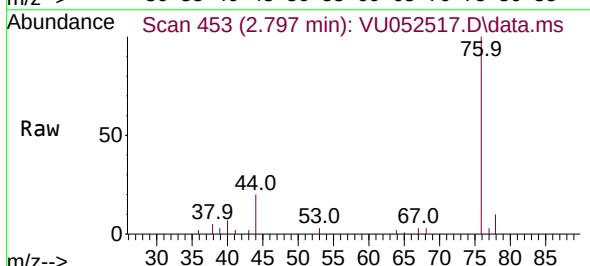
Acq: 23 Dec 2022 01:36

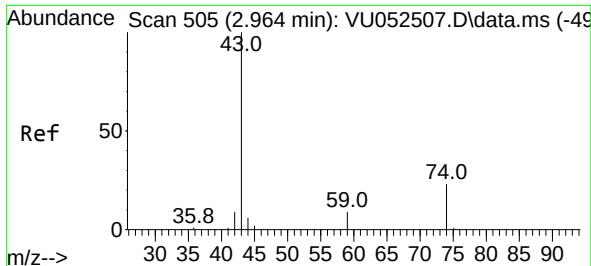
Tgt Ion: 76 Resp: 13427

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

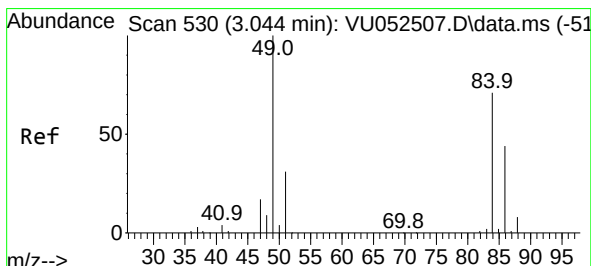
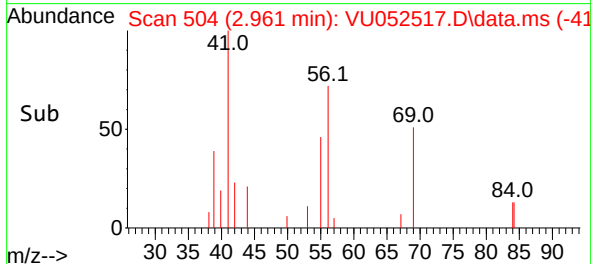
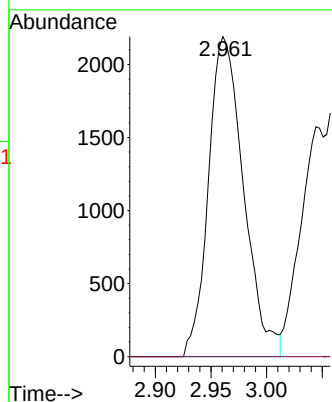
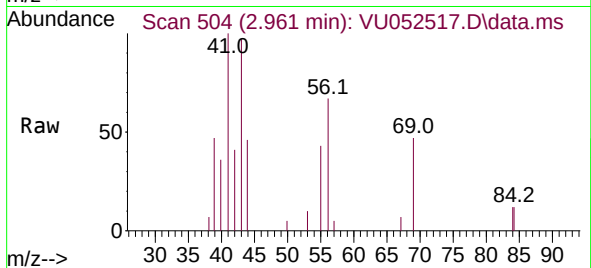




#15
Methyl Acetate
Concen: 0.483 ug/L
RT: 2.961 min Scan# 505
Delta R.T. -0.003 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

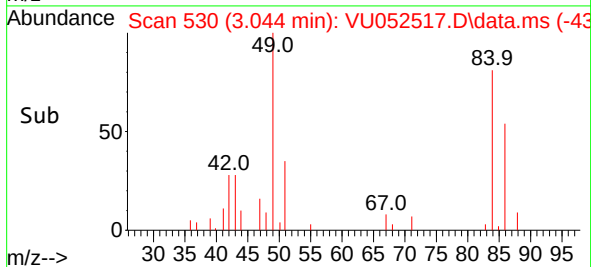
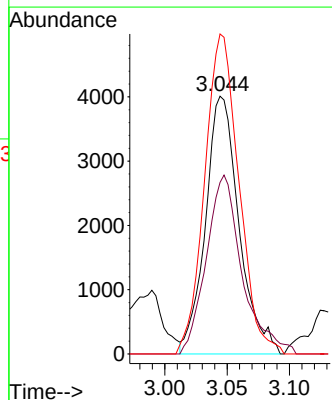
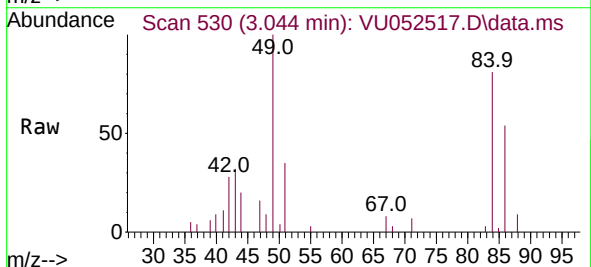
Instrument :
MSVOA_U
ClientSampleId :
GBQA2

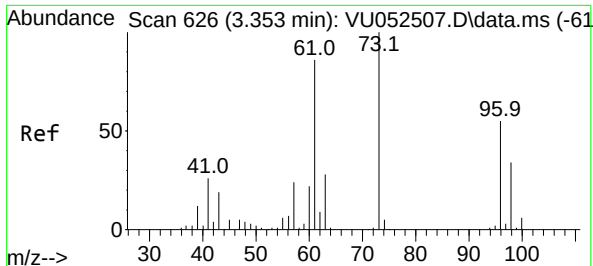
Tgt Ion: 43 Resp: 4803
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#16
Methylene chloride
Concen: 0.365 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Tgt Ion: 84 Resp: 7524
Ion Ratio Lower Upper
84 100
86 66.5 44.7 83.1
49 124.1 93.3 173.3

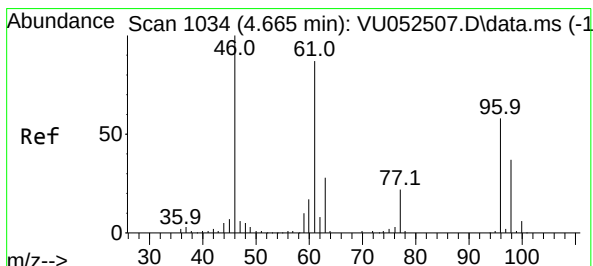
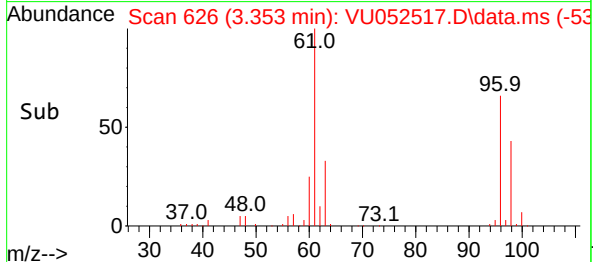
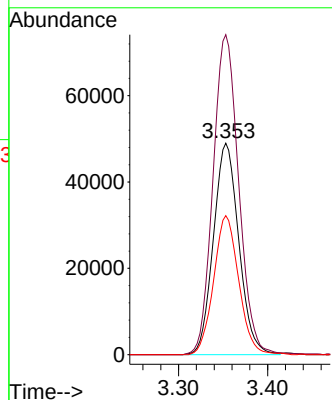
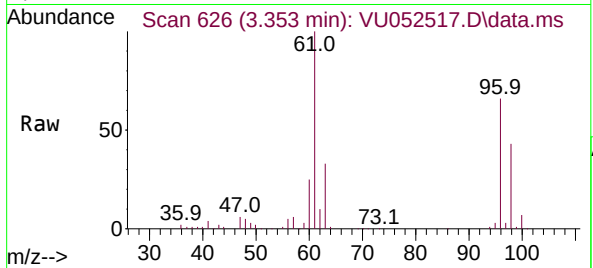




#18
trans-1,2-Dichloroethene
Concen: 6.462 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

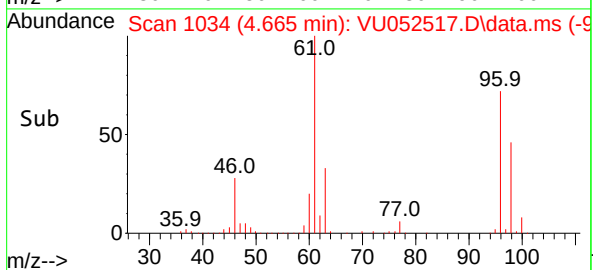
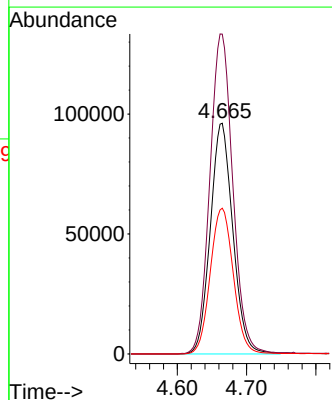
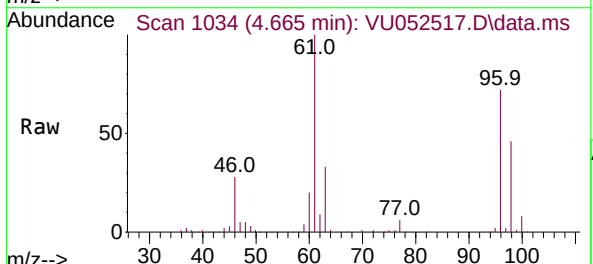
Instrument :
MSVOA_U
ClientSampleId :
GBQA2

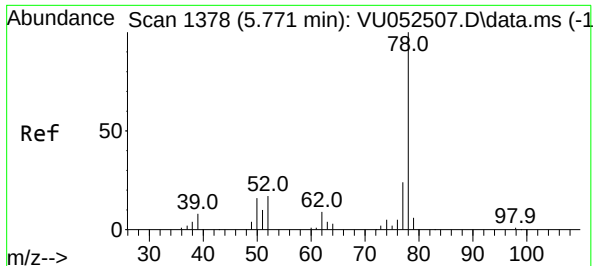
Tgt Ion: 96 Resp: 97158
Ion Ratio Lower Upper
96 100
61 151.3 108.3 201.1
98 65.8 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 13.168 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Tgt Ion: 96 Resp: 217289
Ion Ratio Lower Upper
96 100
61 138.6 96.9 180.1
98 63.2 44.7 83.1

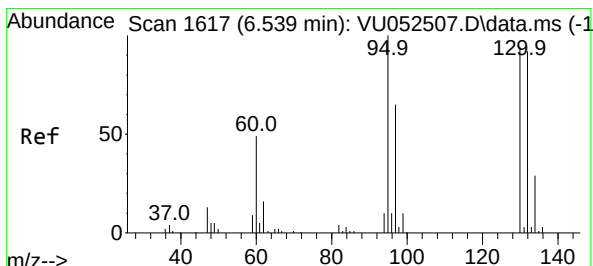
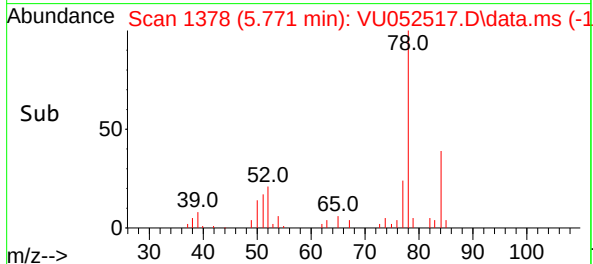
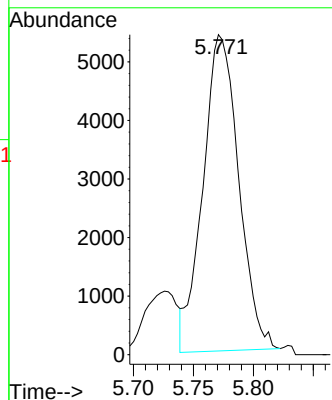
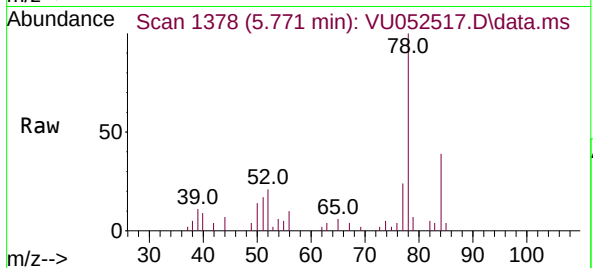




#33
Benzene
Concen: 0.169 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Instrument :
MSVOA_U
ClientSampleId :
GBQA2

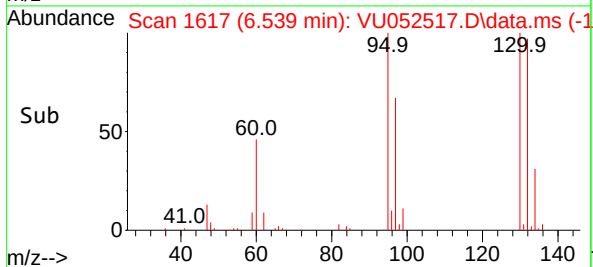
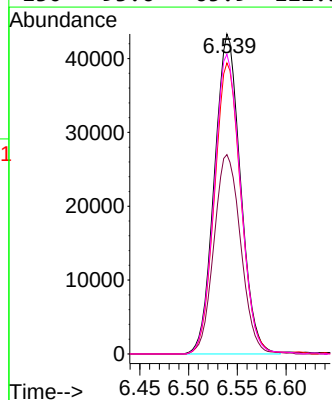
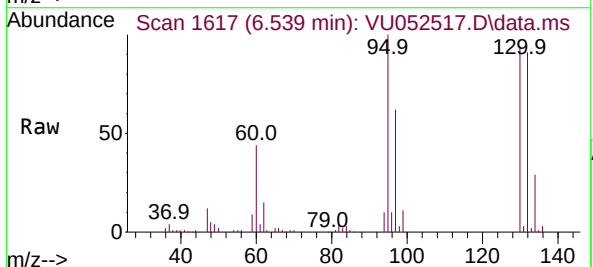
Tgt Ion: 78 Resp: 11194

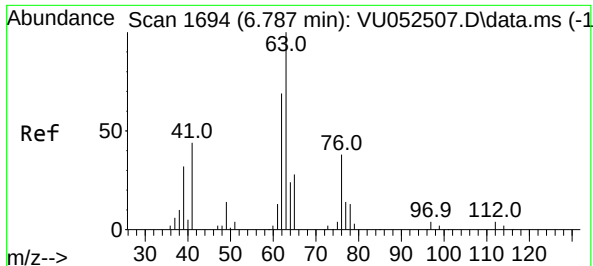


#34
Trichloroethene
Concen: 5.225 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Tgt Ion: 95 Resp: 80815

Ion	Ratio	Lower	Upper
95	100		
97	62.3	46.3	86.1
132	91.0	63.9	118.7
130	93.6	65.9	122.5





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU052517.D

Acq: 23 Dec 2022 01:36

Instrument :

MSVOA_U

ClientSampleId :

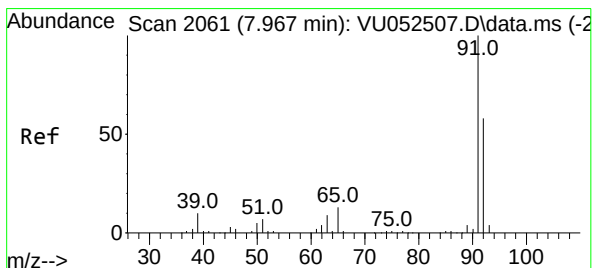
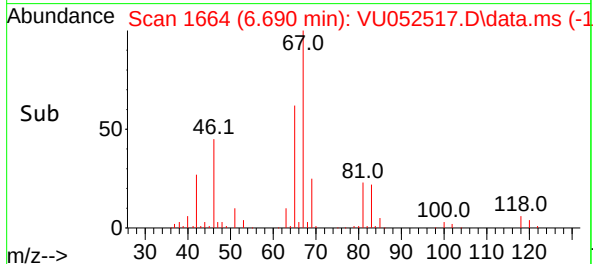
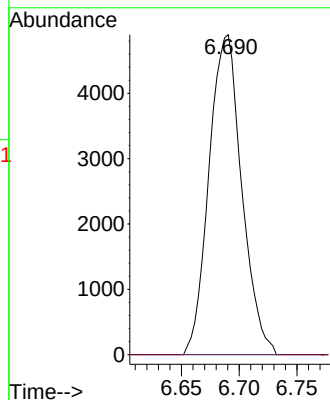
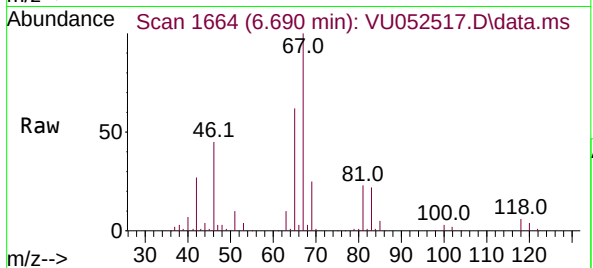
GBQA2

Tgt Ion: 63 Resp: 9651

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#42

Toluene

Concen: 0.191 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU052517.D

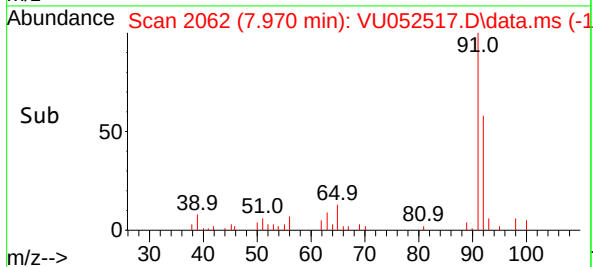
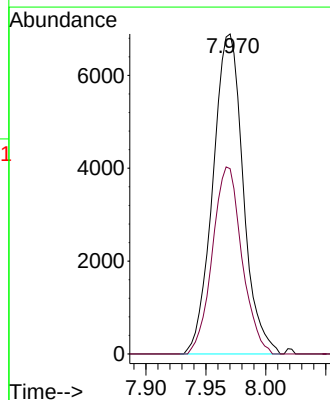
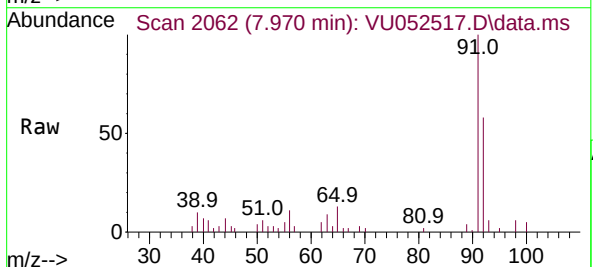
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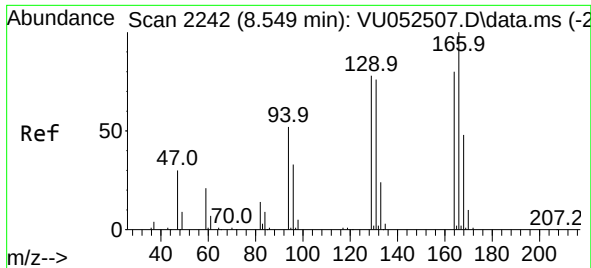
Tgt Ion: 91 Resp: 12108

Ion Ratio Lower Upper

91 100

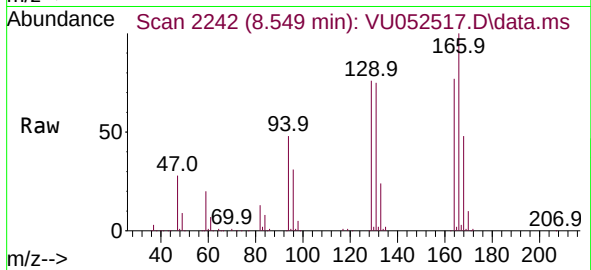
92 57.9 40.6 75.4



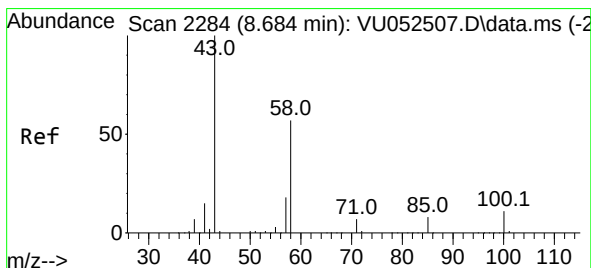
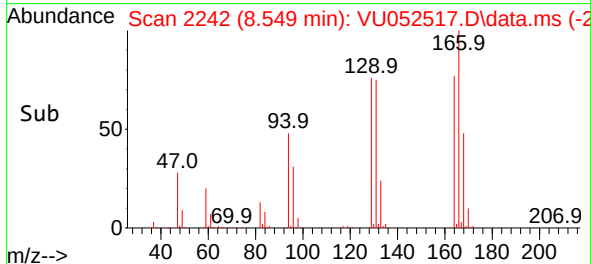
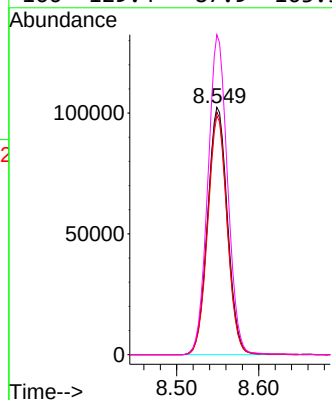


#47
Tetrachloroethene
Concen: 16.016 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Instrument :
MSVOA_U
ClientSampleId :
GBQA2

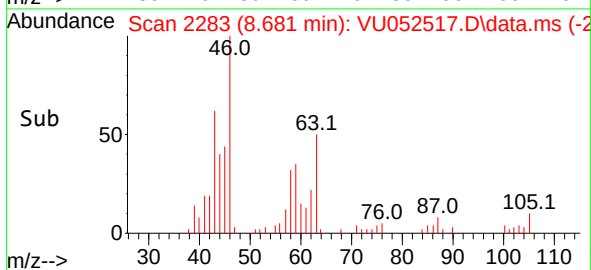
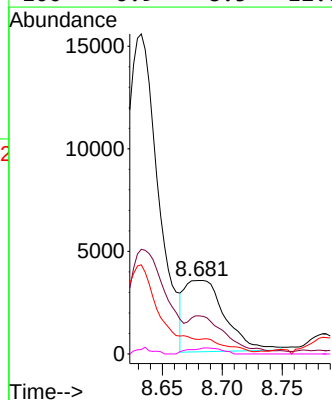
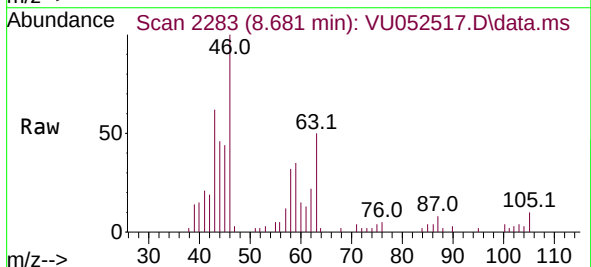


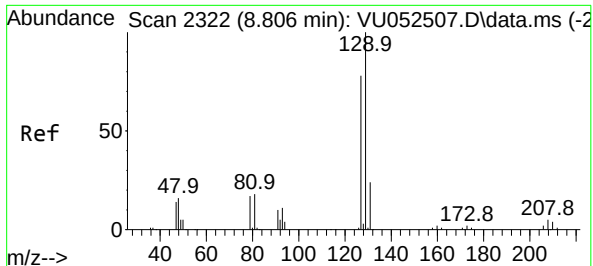
Tgt Ion:164 Resp: 172928
Ion Ratio Lower Upper
164 100
129 98.1 68.1 126.5
131 96.6 66.5 123.5
166 129.4 87.9 163.3



#48
2-Hexanone
Concen: 0.804 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. -0.003 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Tgt Ion: 43 Resp: 8181
Ion Ratio Lower Upper
43 100
58 42.7 44.1 66.1#
57 3.3 14.6 21.8#
100 6.9 8.5 12.7#





#49

Dibromochloromethane

Concen: 12.053 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU052517.D

Acq: 23 Dec 2022 01:36

Instrument :

MSVOA_U

ClientSampleId :

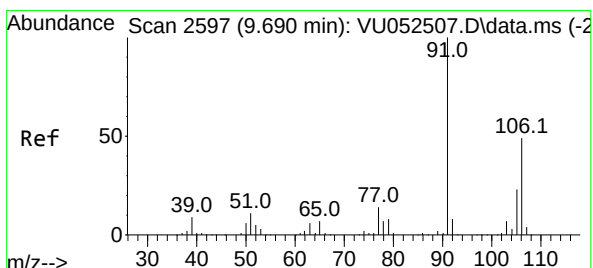
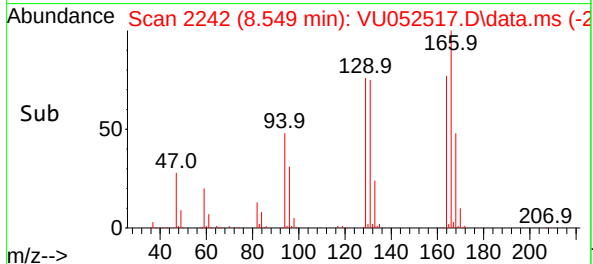
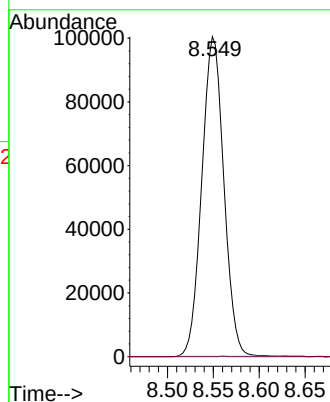
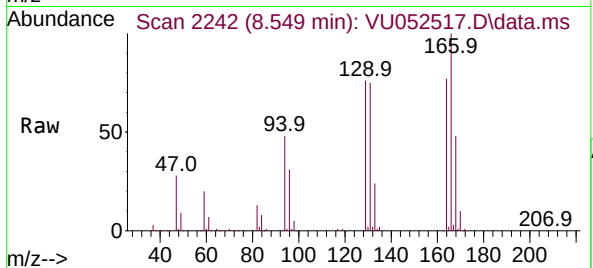
GBQA2

Tgt Ion:129 Resp: 166899

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#53

m,p-Xylene

Concen: 0.323 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. 0.000 min

Lab File: VU052517.D

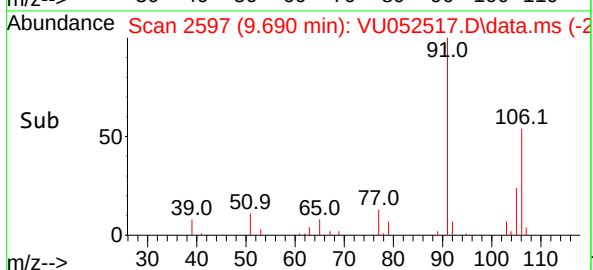
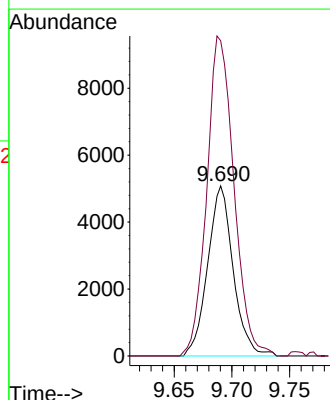
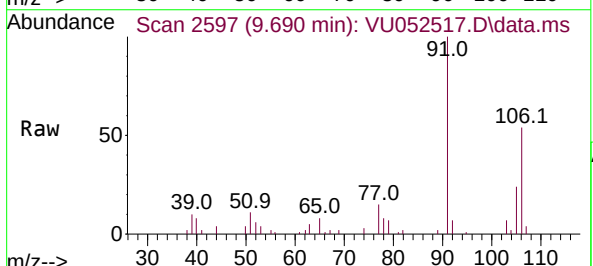
Acq: 23 Dec 2022 01:36

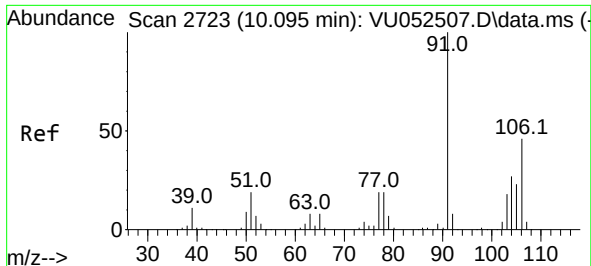
Tgt Ion:106 Resp: 7808

Ion Ratio Lower Upper

106 100

91 185.2 148.2 275.2

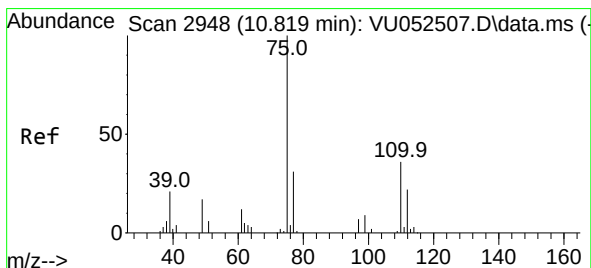
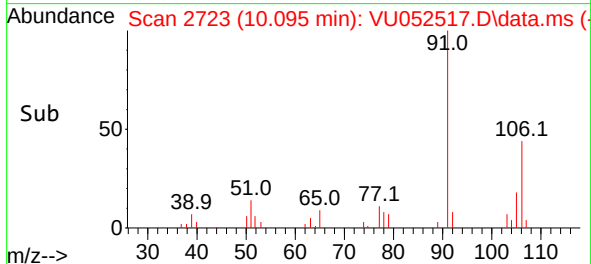
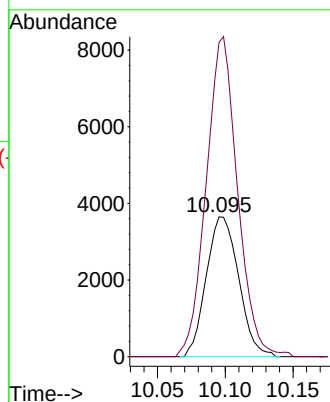
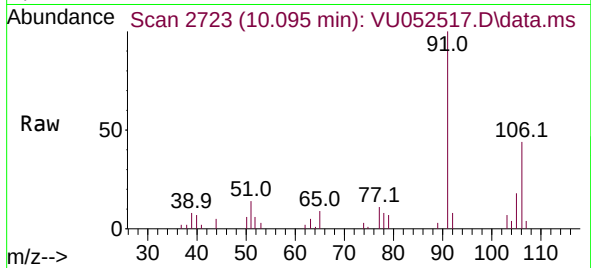




#54
o-Xylene
Concen: 0.261 ug/L
RT: 10.095 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

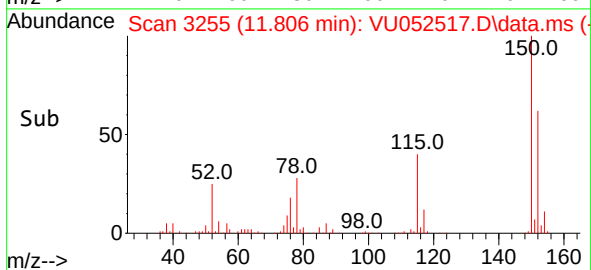
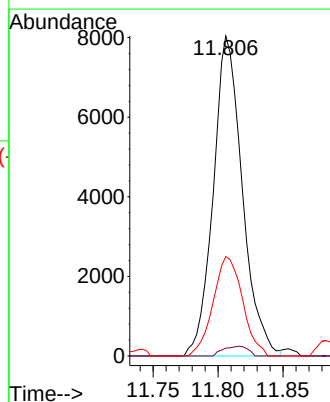
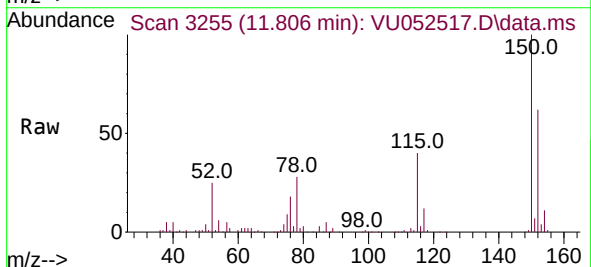
Instrument :
MSVOA_U
ClientSampleId :
GBQA2

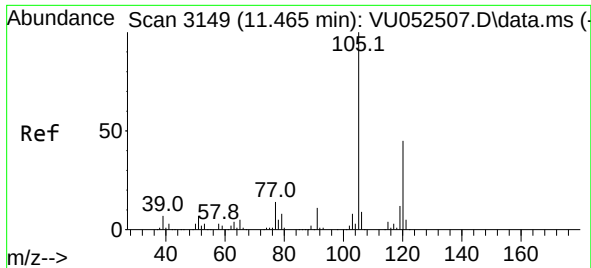
Tgt Ion:106 Resp: 6064
Ion Ratio Lower Upper
106 100
91 224.9 153.2 284.4



#61
1,2,3-Trichloropropane
Concen: 0.986 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU052517.D
Acq: 23 Dec 2022 01:36

Tgt Ion: 75 Resp: 12474
Ion Ratio Lower Upper
75 100
110 2.6 27.9 41.9#
77 31.5 25.9 38.9





#63

1,2,4-Trimethylbenzene

Concen: 0.226 ug/L

RT: 11.465 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052517.D

Acq: 23 Dec 2022 01:36

Instrument :

MSVOA_U

ClientSampleId :

GBQA2

Tgt Ion:105 Resp: 10741

Ion Ratio Lower Upper

105 100

120 45.5 35.6 53.4

