

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052493.D
 Acq On : 22 Dec 2022 15:52
 Operator : JC/MD
 Sample : N6188-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA5

Quant Time: Dec 23 00:32:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	197857	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	179908	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	90849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	70660	3.525	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.916	69	63362	3.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.568	65	30396	3.524	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.400%
20) 2-Butanone-d5	4.623	46	297804	47.909	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.820%
24) Chloroform-d	5.060	84	126894	3.752	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.000%
26) 1,2-Dichloroethane-d4	5.697	65	76937	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
32) Benzene-d6	5.723	84	271233	4.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.687	67	92842	4.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.896	98	243094	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	8.176	79	34884	4.798	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.629	63	227857	57.282	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.560%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	84209	4.671	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	85715	4.634	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.793	76	14089	0.295	ug/L	100
15) Methyl Acetate	3.083	43	155669	15.420	ug/L #	55
18) trans-1,2-Dichloroethene	3.353	96	52885	3.463	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	65921	3.933	ug/L	99
30) Cyclohexane	5.382	56	143530	5.866	ug/L #	83
33) Benzene	5.771	78	20826	0.321	ug/L	100
34) Trichloroethene	6.536	95	49098	3.241	ug/L	98
35) Methylcyclohexane	6.758	83	371324	16.255	ug/L	95
37) 1,2-Dichloropropane	6.758	63	3373	0.187	ug/L #	1
40) 4-Methyl-2-pentanone	7.851	43	26934	2.038	ug/L #	50
45) 1,1,2-Trichloroethane	8.366	97	72295	5.645	ug/L #	18
47) Tetrachloroethene	8.549	164	27122	2.565	ug/L	99
49) Dibromochloromethane	8.549	129	25487	1.879	ug/L #	11
52) Ethylbenzene	9.565	91	37186	0.578	ug/L	97
53) m,p-Xylene	9.690	106	14599	0.616	ug/L	97
54) o-Xylene	10.095	106	6419	0.282	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.758	83	2676	0.151	ug/L #	91
60) Isopropylbenzene	10.481	105	29199	0.496	ug/L #	95
62) 1,3,5-Trimethylbenzene	11.083	105	14787	0.304	ug/L	99

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QLast Update : Thu Dec 22 00:28:27 2022
Response via : Initial Calibration

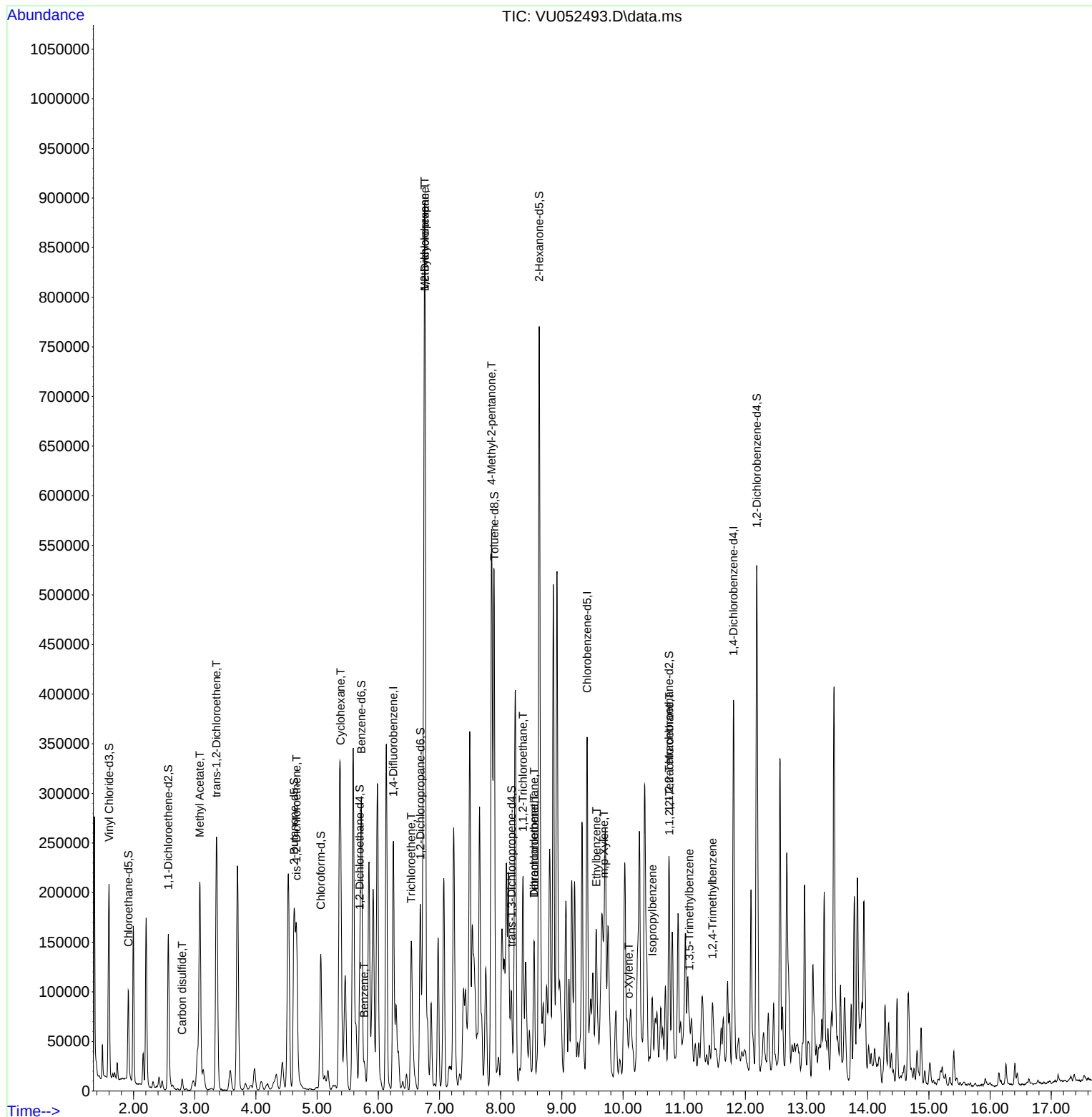
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.465	105	23452	0.480 ug/L	99

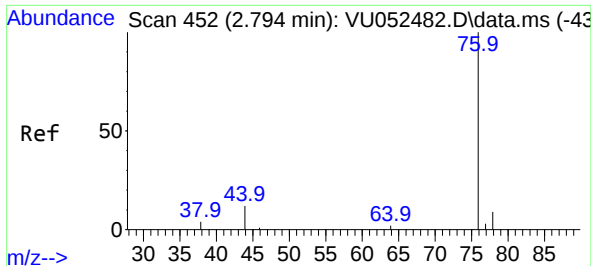
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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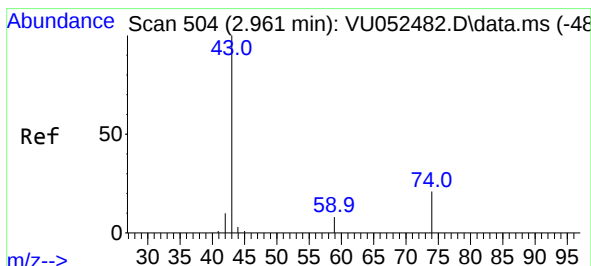
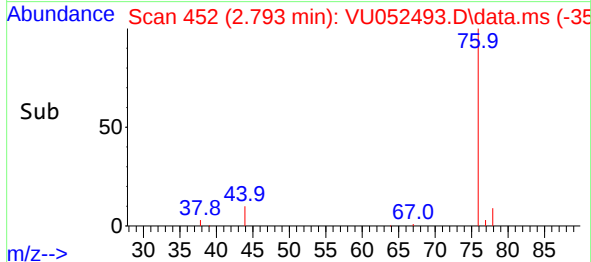
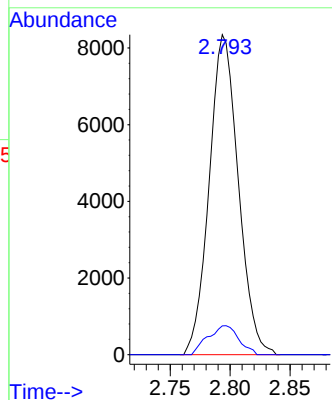
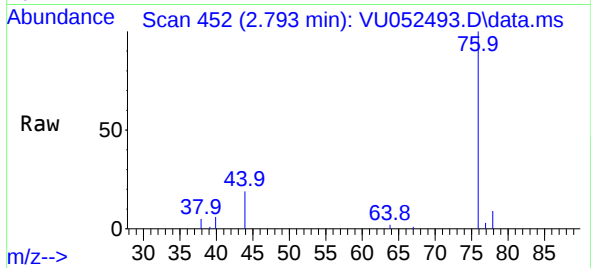




#14
Carbon disulfide
Concen: 0.295 ug/L
RT: 2.793 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

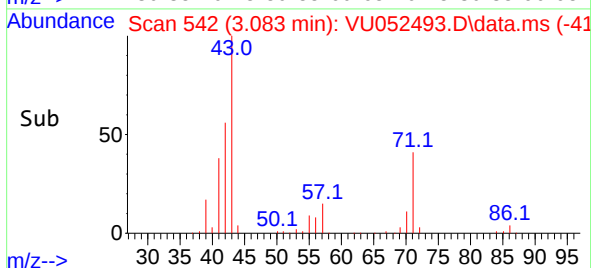
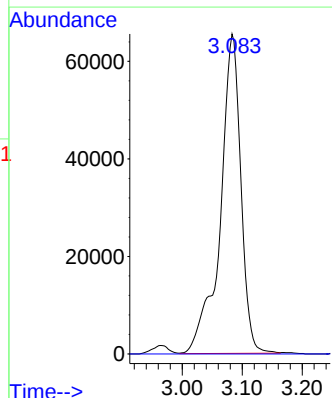
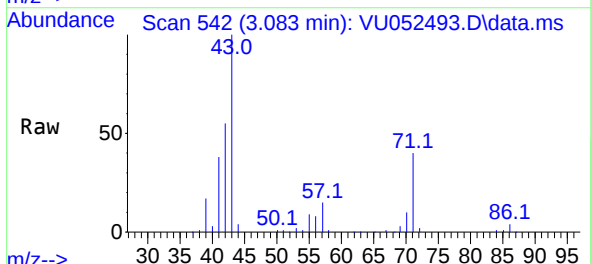
Instrument :
MSVOA_U
ClientSampleId :
GBQA5

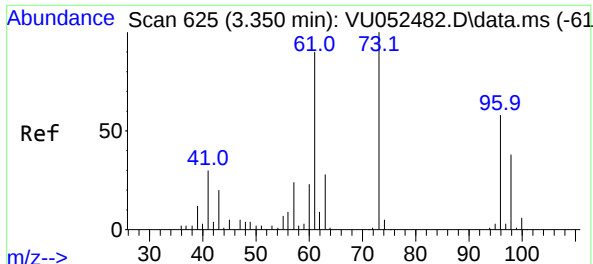
Tgt Ion: 76 Resp: 14089
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#15
Methyl Acetate
Concen: 15.420 ug/L
RT: 3.083 min Scan# 542
Delta R.T. 0.119 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 43 Resp: 155669
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

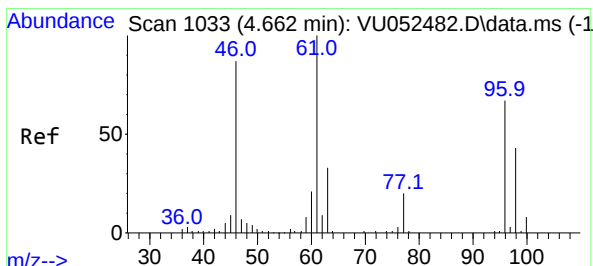
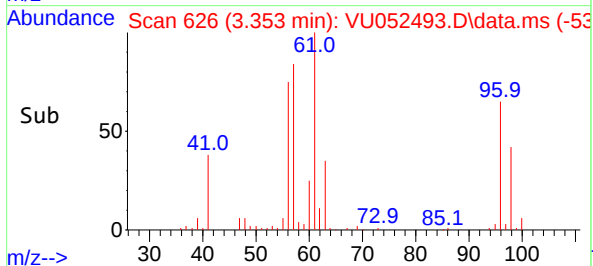
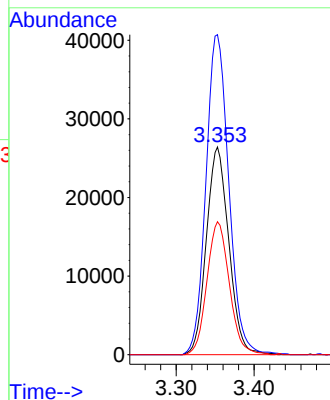
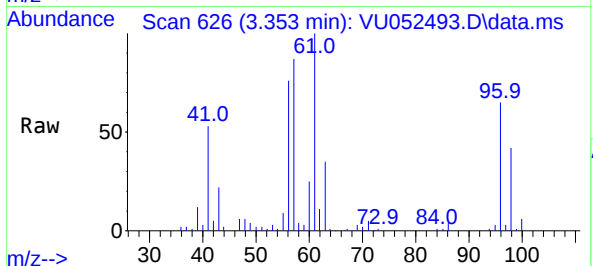




#18
trans-1,2-Dichloroethene
Concen: 3.463 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

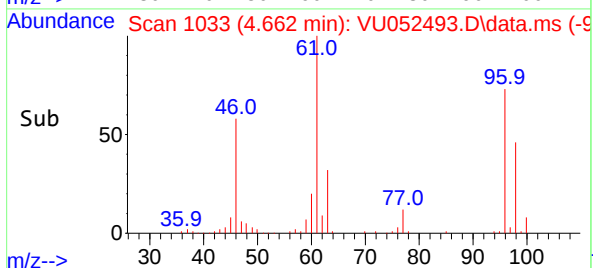
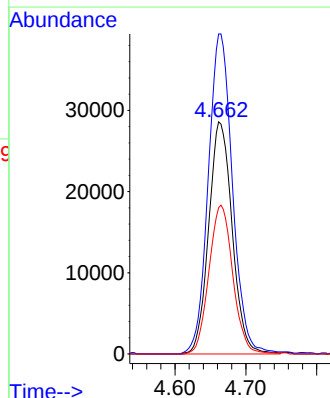
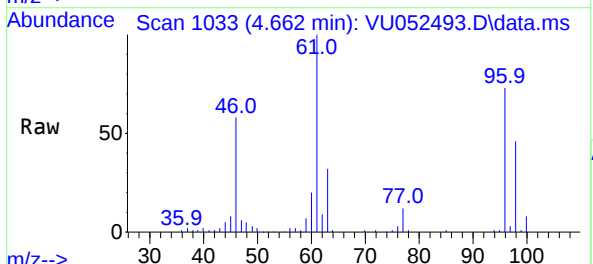
Instrument :
MSVOA_U
ClientSampleId :
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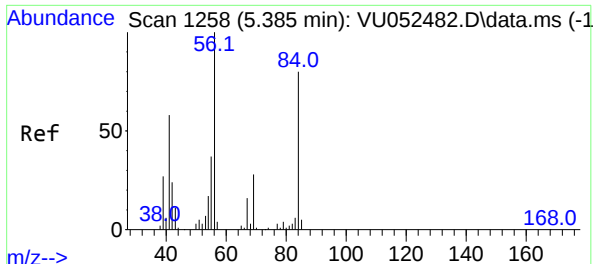
Tgt Ion: 96 Resp: 52885
Ion Ratio Lower Upper
96 100
61 154.1 108.3 201.1
98 64.0 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 3.933 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 96 Resp: 65921
Ion Ratio Lower Upper
96 100
61 137.8 96.9 180.1
98 63.0 44.7 83.1

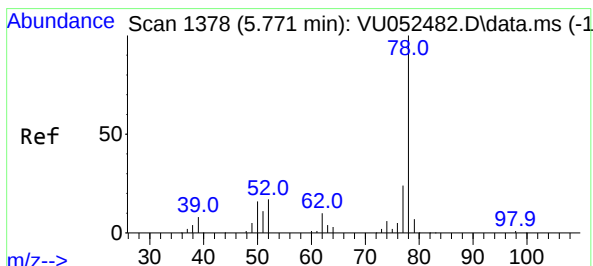
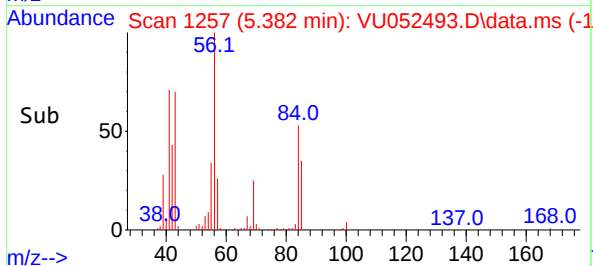
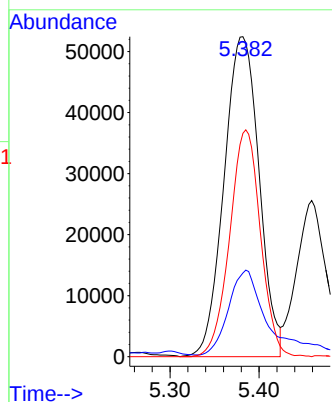
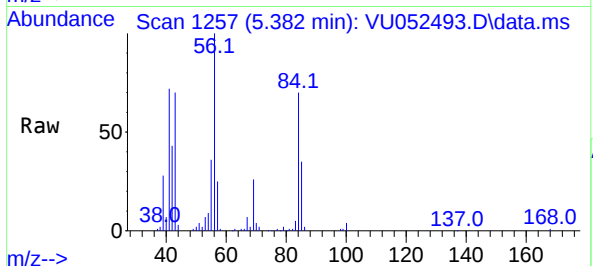




#30
Cyclohexane
Concen: 5.866 ug/L
RT: 5.382 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

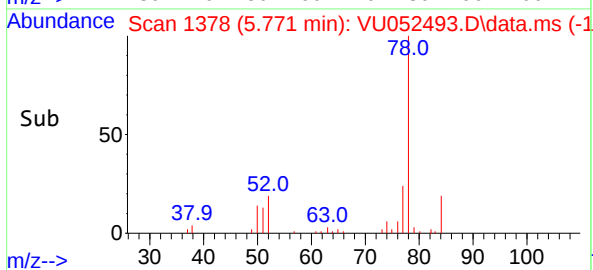
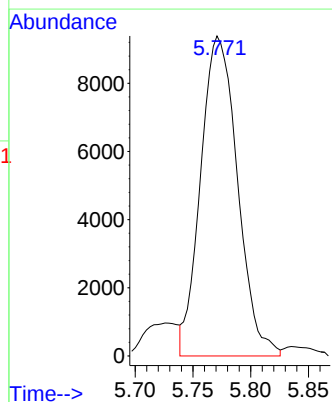
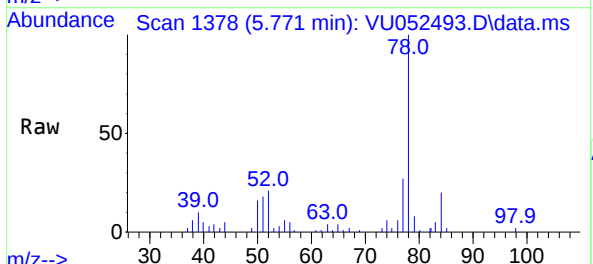
Instrument :
MSVOA_U
ClientSampleId :
GBQA5

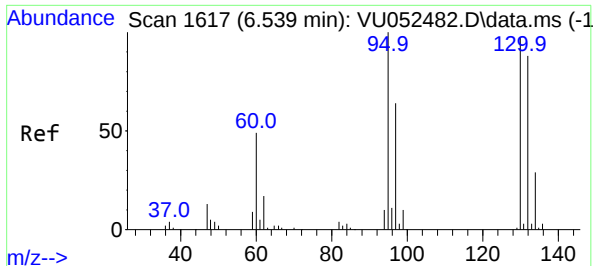
Tgt Ion: 56 Resp: 143530
Ion Ratio Lower Upper
56 100
69 32.0 23.0 34.6
84 62.3 64.4 96.6#



#33
Benzene
Concen: 0.321 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 78 Resp: 20826



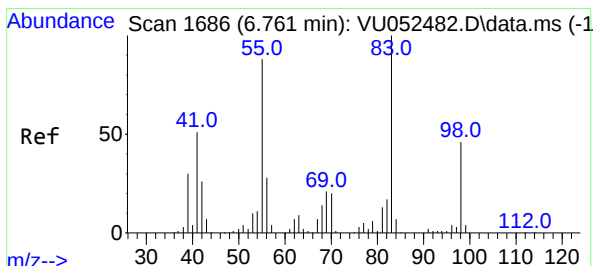
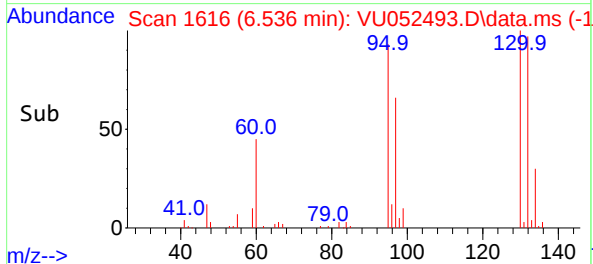
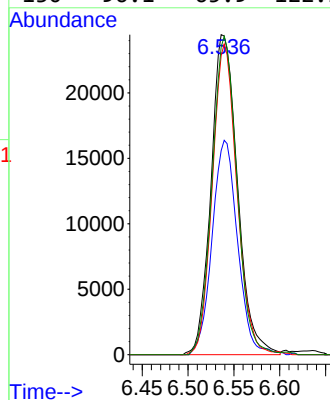
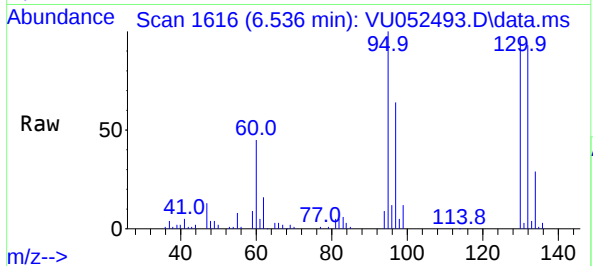


#34
Trichloroethene
Concen: 3.241 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Instrument :
MSVOA_U
ClientSampleId :
GBQA5

Tgt Ion: 95 Resp: 49098

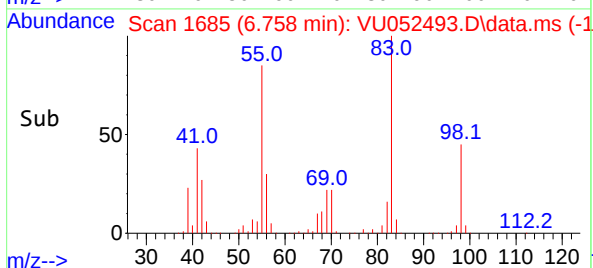
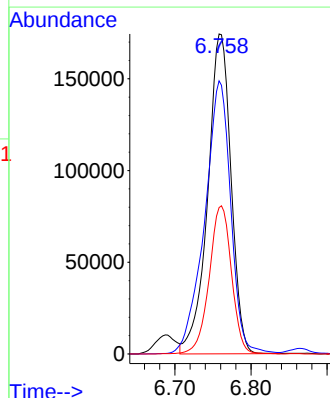
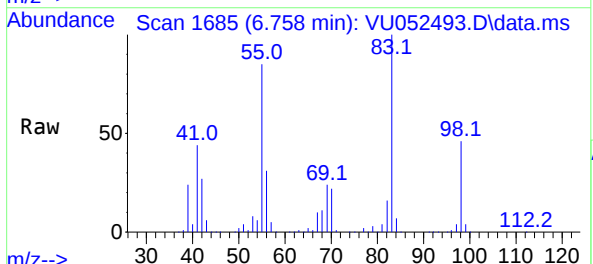
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.3	86.1
132	93.5	63.9	118.7
130	96.1	65.9	122.5

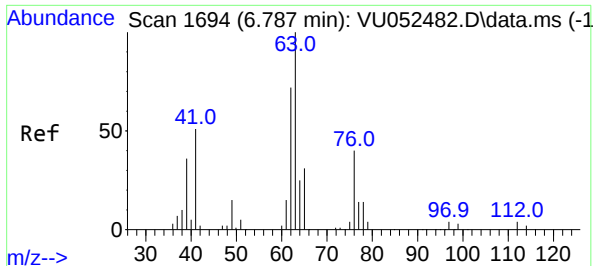


#35
Methylcyclohexane
Concen: 16.255 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 83 Resp: 371324

Ion	Ratio	Lower	Upper
83	100		
55	95.9	71.4	107.0
98	44.4	36.5	54.7

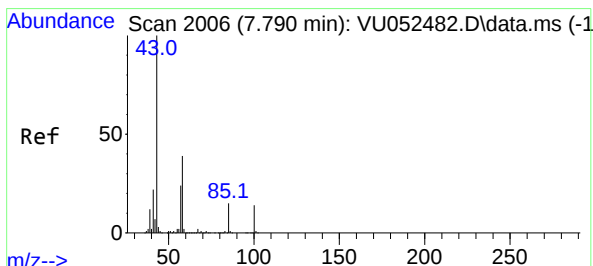
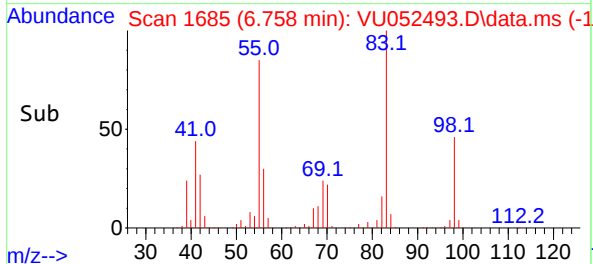
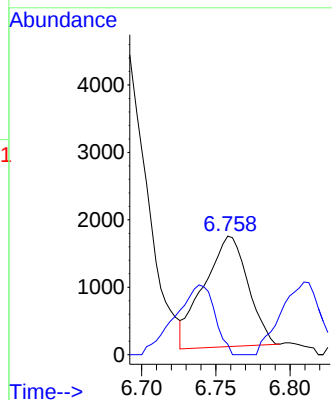
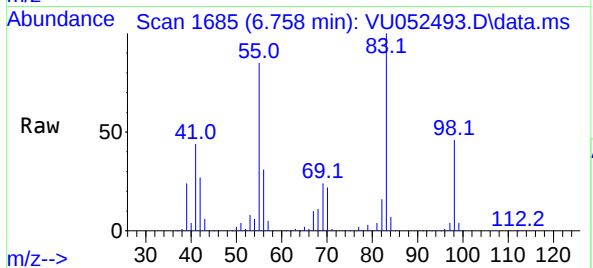




#37
1,2-Dichloropropane
Concen: 0.187 ug/L
RT: 6.758 min Scan# 1
Delta R.T. -0.032 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

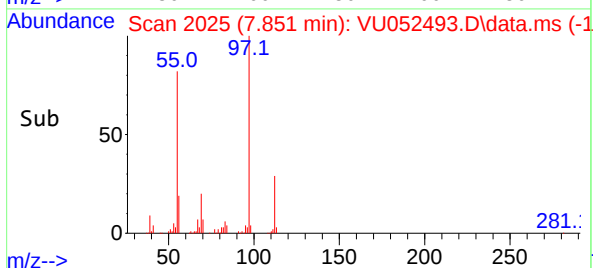
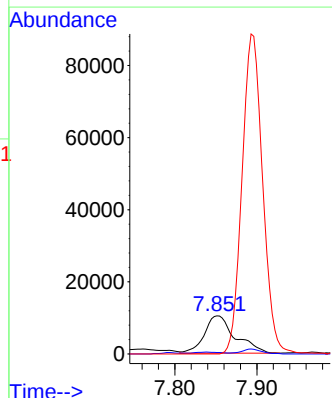
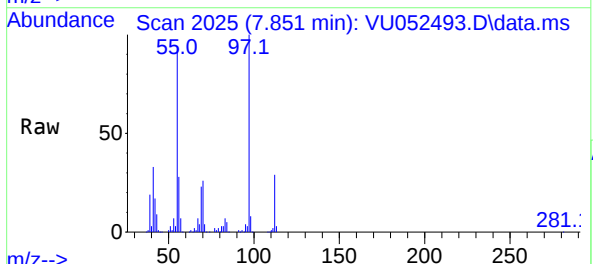
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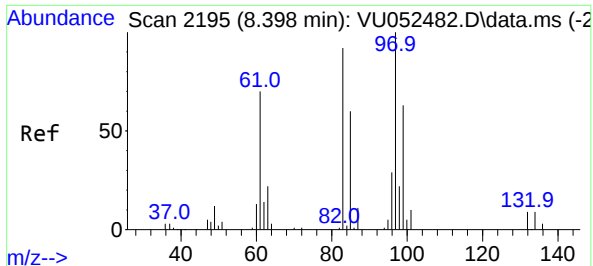
Tgt Ion: 63 Resp: 3373
Ion Ratio Lower Upper
63 100
112 56.9 3.0 4.6#



#40
4-Methyl-2-pentanone
Concen: 2.038 ug/L
RT: 7.851 min Scan# 2025
Delta R.T. 0.061 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 43 Resp: 26934
Ion Ratio Lower Upper
43 100
58 4.5 30.6 45.8#
100 0.0 10.4 15.6#

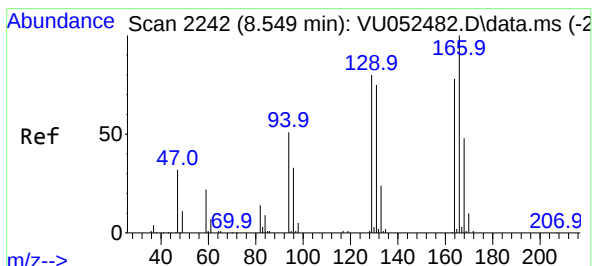
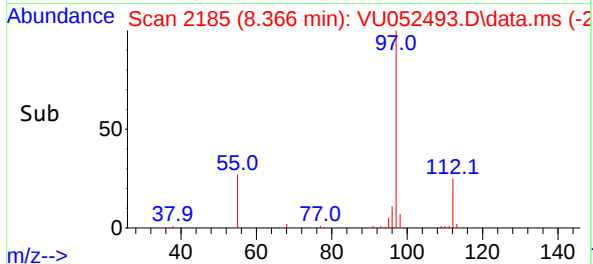
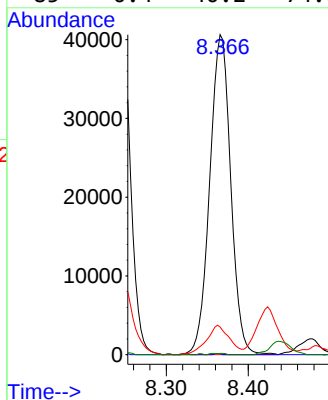
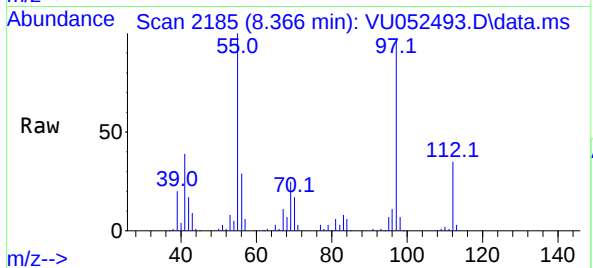




#45
1,1,2-Trichloroethane
Concen: 5.645 ug/L
RT: 8.366 min Scan# 2195
Delta R.T. -0.032 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

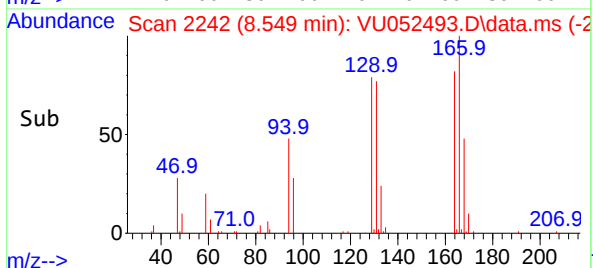
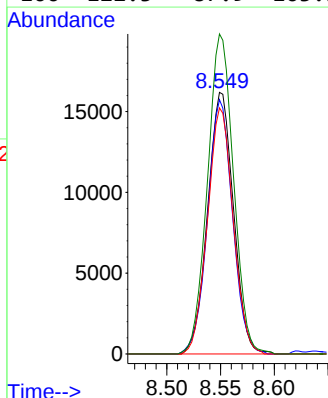
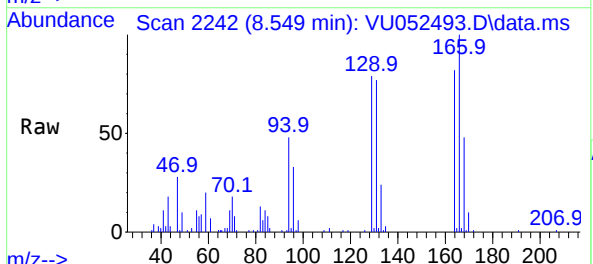
Instrument : MSVOA_U
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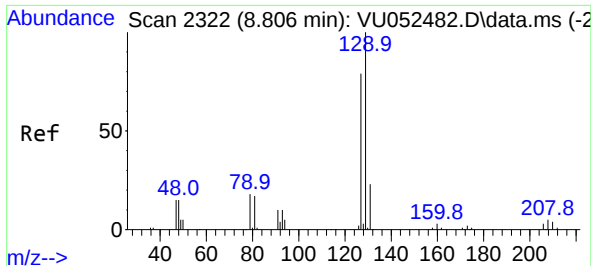
Tgt Ion:	97	Resp:	72295
Ion	Ratio	Lower	Upper
97	100		
99	0.3	42.0	78.0#
83	8.7	63.2	117.4#
85	0.4	40.2	74.6#



#47
Tetrachloroethene
Concen: 2.565 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion:	164	Resp:	27122
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.1	126.5
131	94.1	66.5	123.5
166	122.3	87.9	163.3

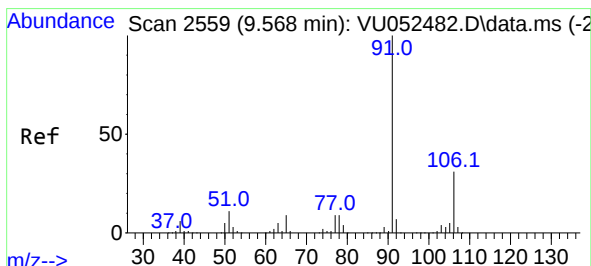
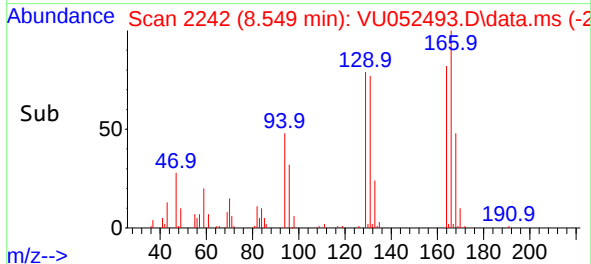
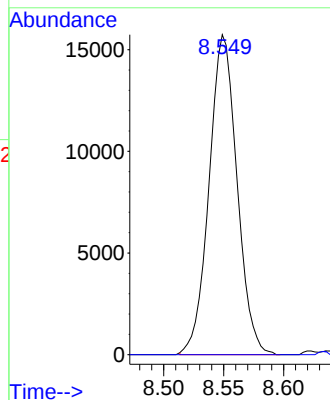
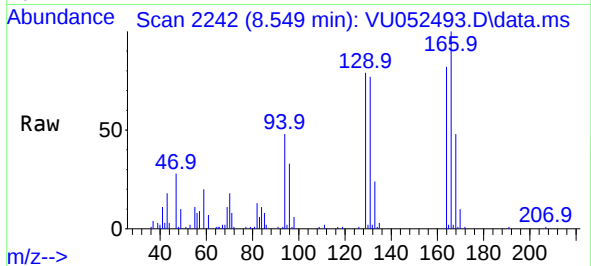




#49
Dibromochloromethane
Concen: 1.879 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

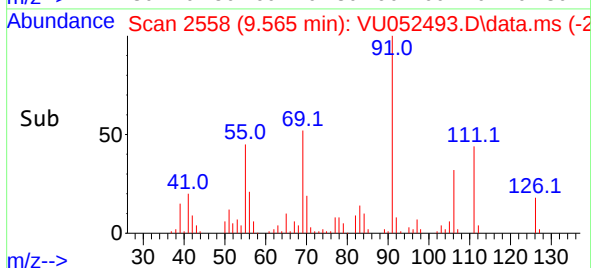
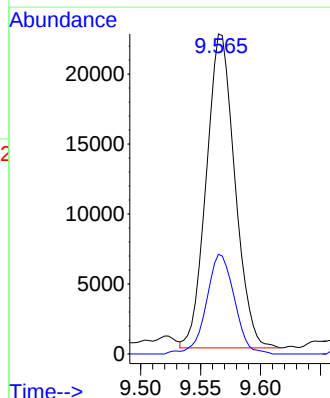
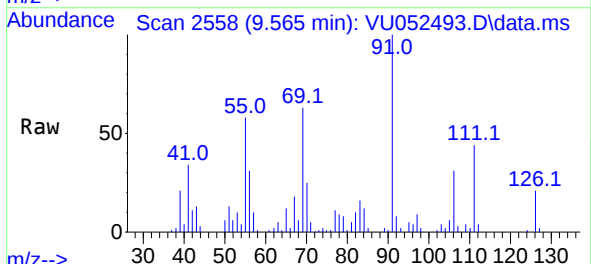
Instrument :
MSVOA_U
ClientSampleId :
GBQA5

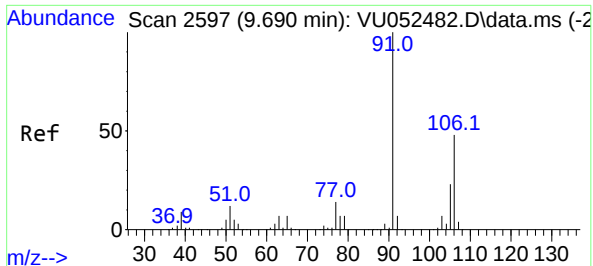
Tgt Ion:129 Resp: 25487
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#



#52
Ethylbenzene
Concen: 0.578 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion: 91 Resp: 37186
Ion Ratio Lower Upper
91 100
106 31.2 20.9 38.7

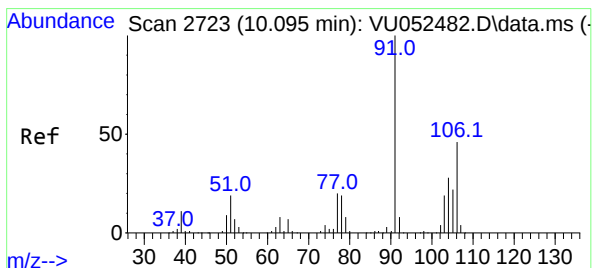
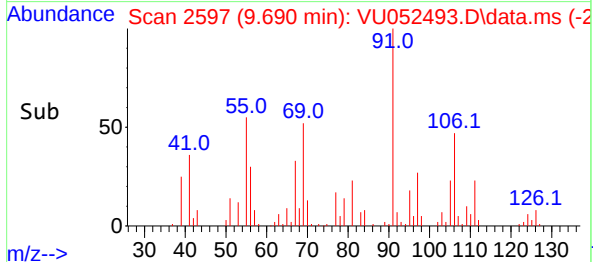
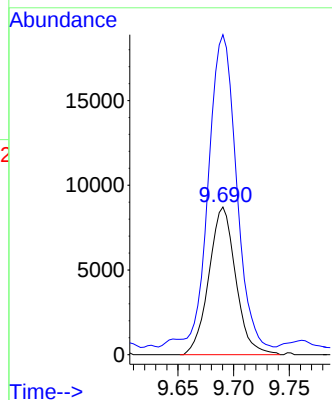
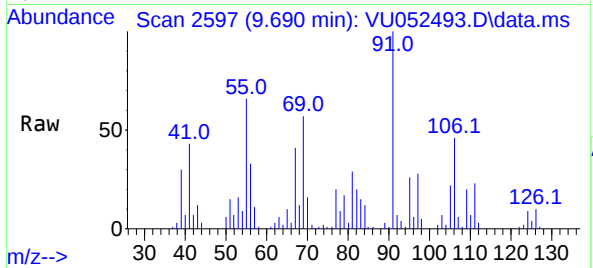




#53
m,p-Xylene
Concen: 0.616 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

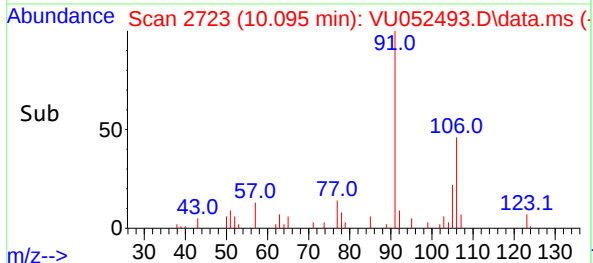
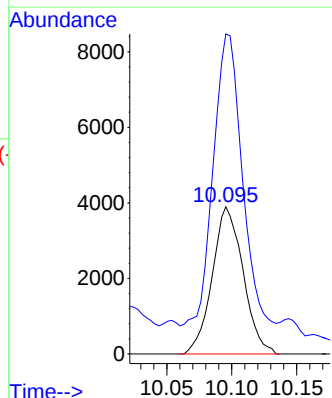
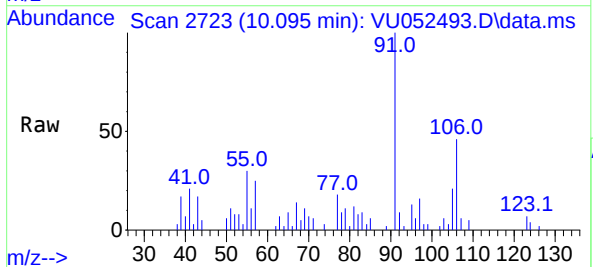
Instrument :
MSVOA_U
ClientSampleId :
GBQA5

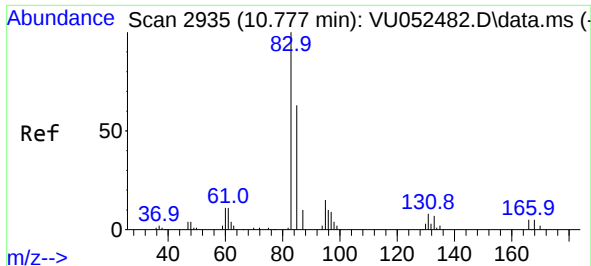
Tgt Ion:106 Resp: 14599
Ion Ratio Lower Upper
106 100
91 216.7 148.2 275.2



#54
o-Xylene
Concen: 0.282 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion:106 Resp: 6419
Ion Ratio Lower Upper
106 100
91 217.5 153.2 284.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.151 ug/L

RT: 10.758 min Scan# 2929

Delta R.T. -0.019 min

Lab File: VU052493.D

Acq: 22 Dec 2022 15:52

Instrument :

MSVOA_U

ClientSampleId :

GBQA5

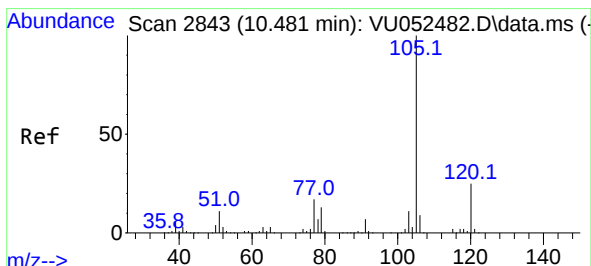
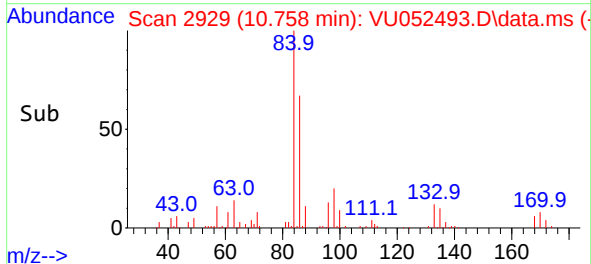
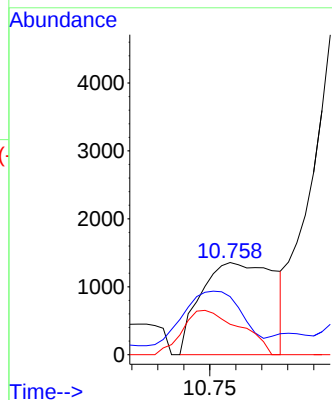
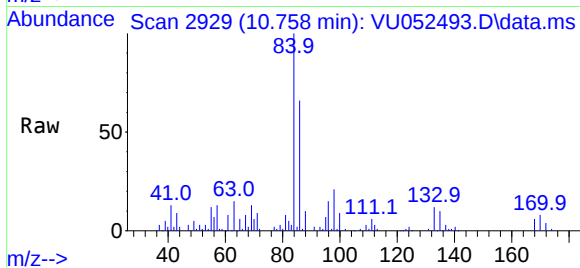
Tgt Ion: 83 Resp: 2676

Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

131 33.0 6.0 9.0#



#60

Isopropylbenzene

Concen: 0.496 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU052493.D

Acq: 22 Dec 2022 15:52

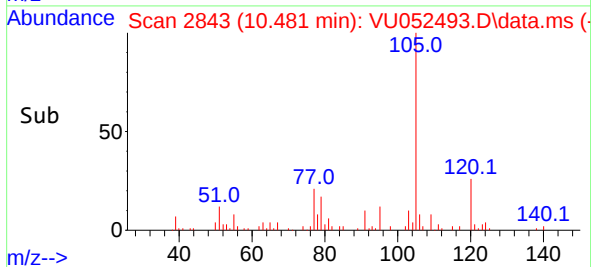
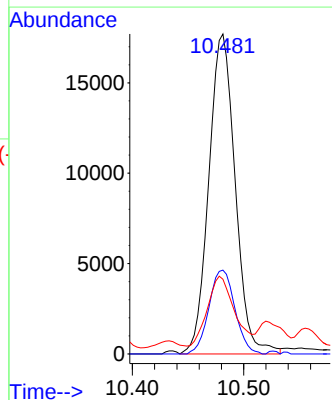
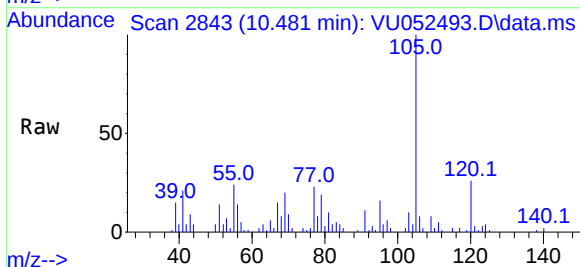
Tgt Ion:105 Resp: 29199

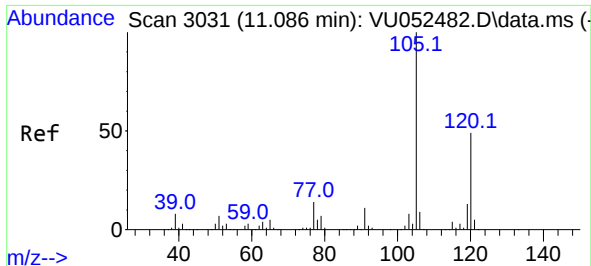
Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 22.4 13.8 20.8#

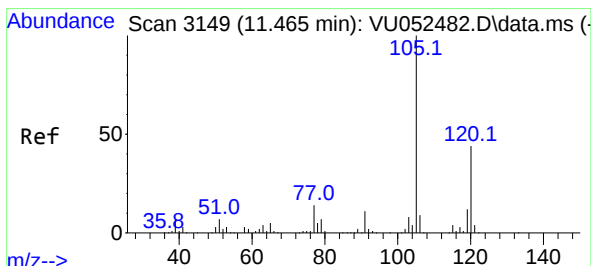
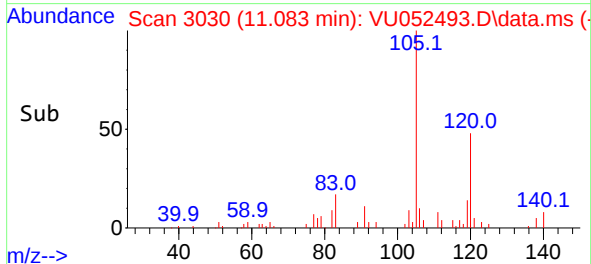
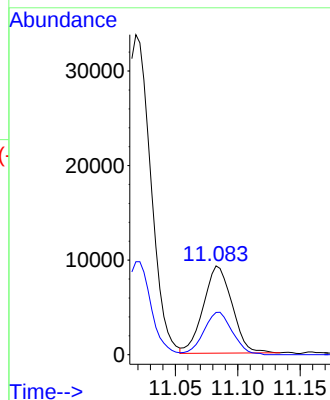
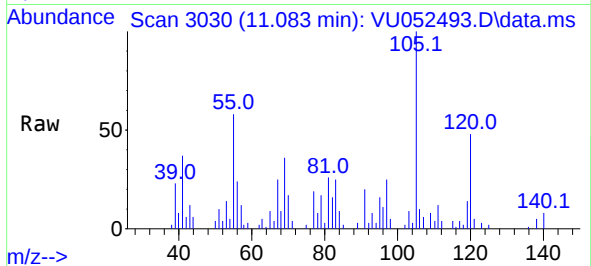




#62
1,3,5-Trimethylbenzene
Concen: 0.304 ug/L
RT: 11.083 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Instrument :
MSVOA_U
ClientSampleId :
GBQA5

Tgt Ion:105 Resp: 14787
Ion Ratio Lower Upper
105 100
120 48.6 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 0.480 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052493.D
Acq: 22 Dec 2022 15:52

Tgt Ion:105 Resp: 23452
Ion Ratio Lower Upper
105 100
120 44.1 35.6 53.4

