

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052516.D
 Acq On : 23 Dec 2022 01:13
 Operator : JC/MD
 Sample : N6169-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA1

Quant Time: Dec 23 06:43:58 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)

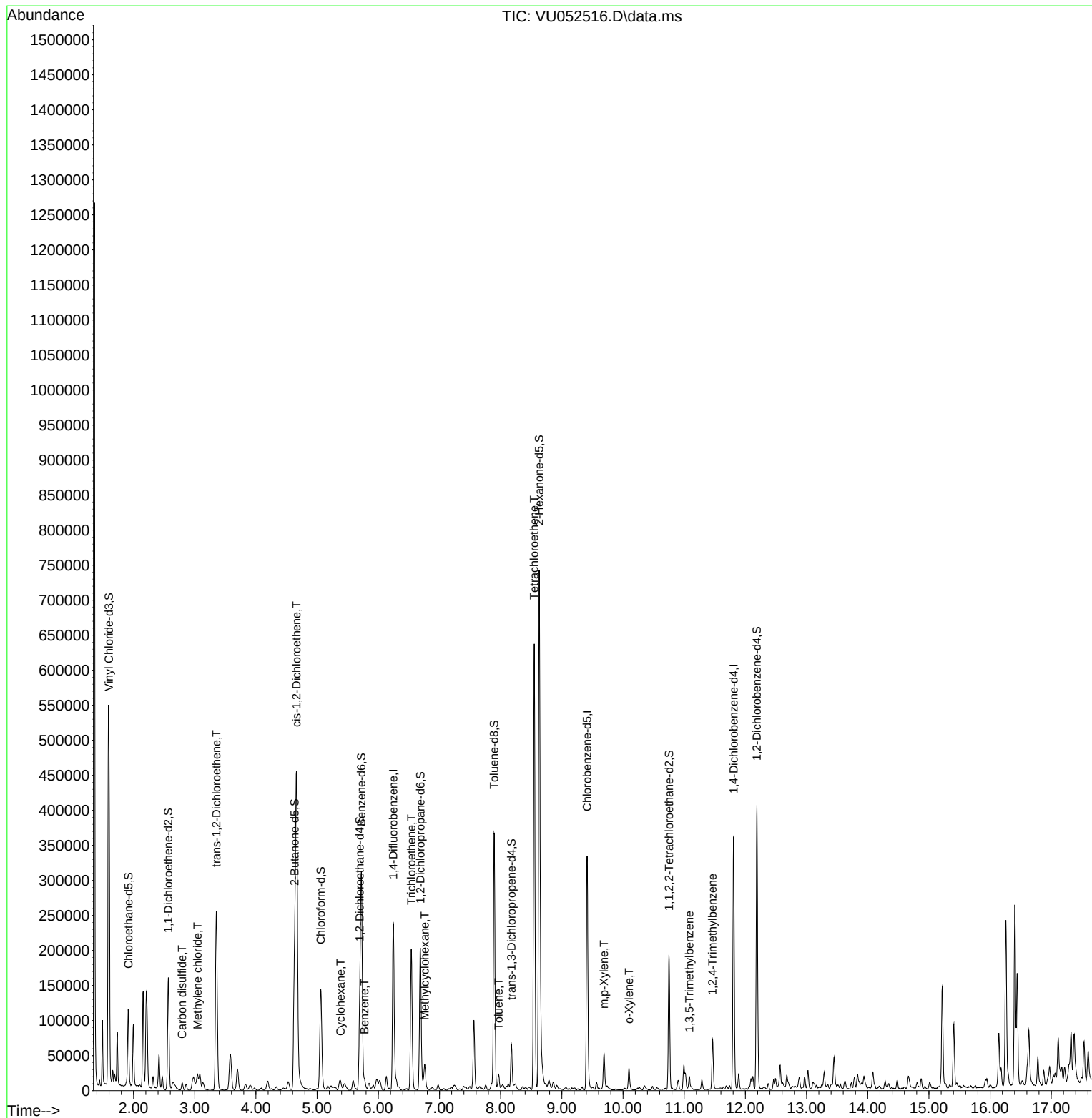
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	191391	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	182111	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	92936	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69277	3.573	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.916	69	64700	3.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.568	65	31958	3.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.633	46	355510	59.125	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.240%
24) Chloroform-d	5.060	84	136333	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.697	65	86649	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.723	84	289084	4.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.687	67	100157	4.660	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.893	98	239105	4.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.176	79	36232	4.923	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.629	63	265757	66.002	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.000%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	96891	5.310	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	94741	5.007	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.794	76	11363	0.246	ug/L #	91
16) Methylene chloride	3.044	84	7054	0.348	ug/L	96
18) trans-1,2-Dichloroethene	3.353	96	98780	6.687	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	192286	11.861	ug/L	99
30) Cyclohexane	5.382	56	6146	0.248	ug/L	86
33) Benzene	5.774	78	11761	0.179	ug/L	100
34) Trichloroethene	6.539	95	67759	4.419	ug/L	97
35) Methylcyclohexane	6.758	83	13488	0.583	ug/L	98
42) Toluene	7.967	91	12970	0.206	ug/L	97
47) Tetrachloroethene	8.549	164	137520	12.848	ug/L	99
53) m,p-Xylene	9.690	106	14093	0.587	ug/L	99
54) o-Xylene	10.099	106	7993	0.347	ug/L	92
62) 1,3,5-Trimethylbenzene	11.086	105	9391	0.189	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	38932	0.778	ug/L	100

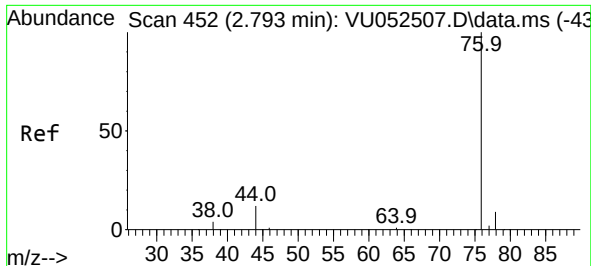
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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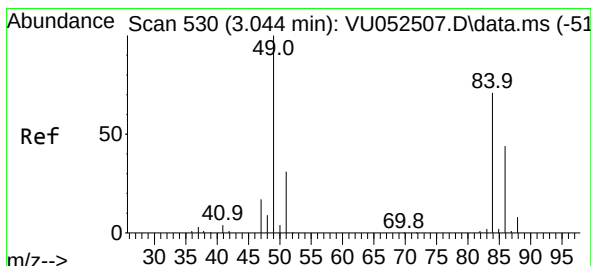
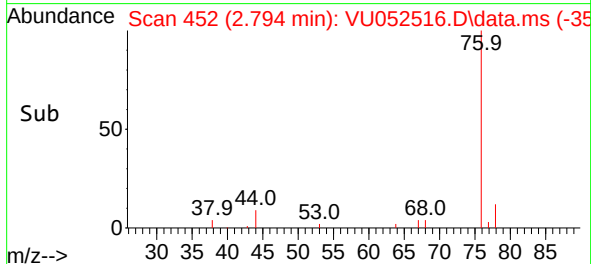
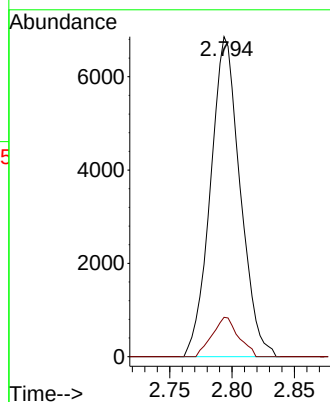
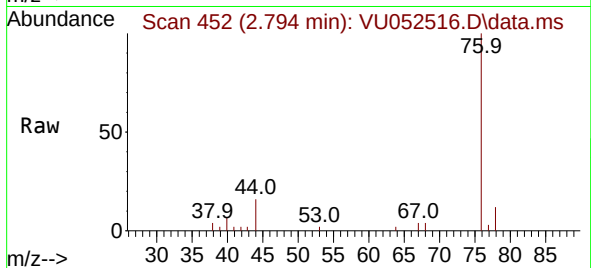




#14
Carbon disulfide
Concen: 0.246 ug/L
RT: 2.794 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

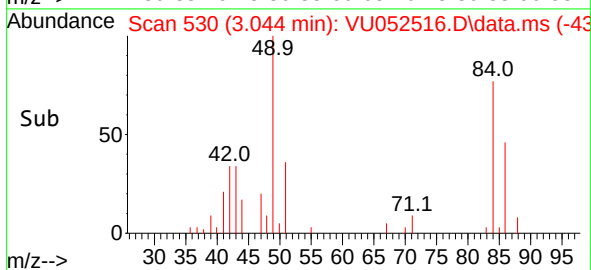
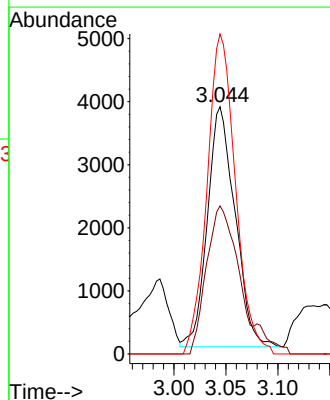
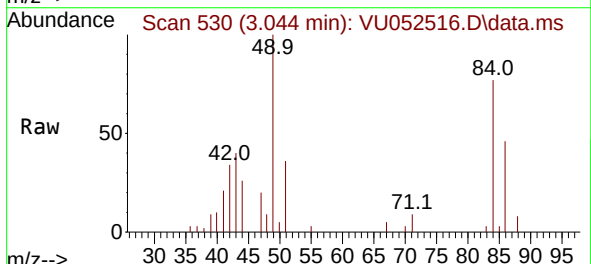
Instrument :
MSVOA_U
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GBQA1

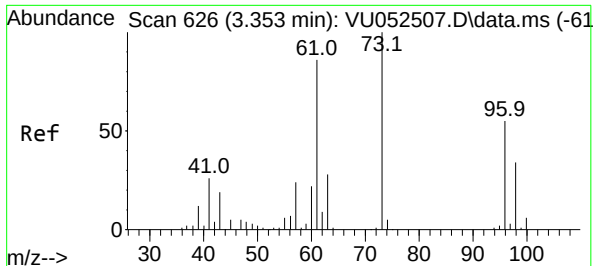
Tgt Ion: 76 Resp: 11363
Ion Ratio Lower Upper
76 100
78 12.3 7.1 10.7#



#16
Methylene chloride
Concen: 0.348 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Tgt Ion: 84 Resp: 7054
Ion Ratio Lower Upper
84 100
86 59.9 44.7 83.1
49 129.5 93.3 173.3

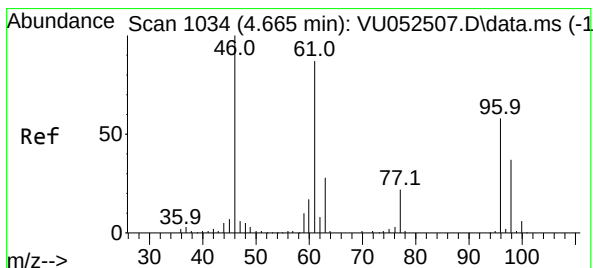
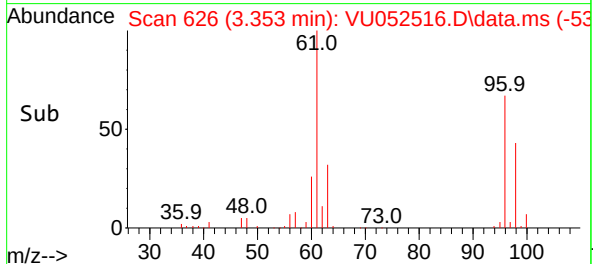
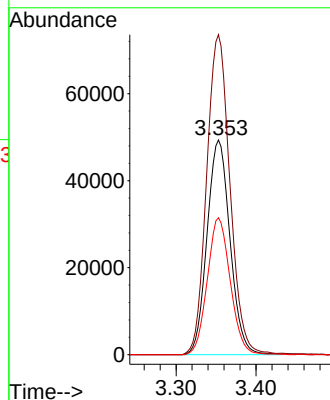
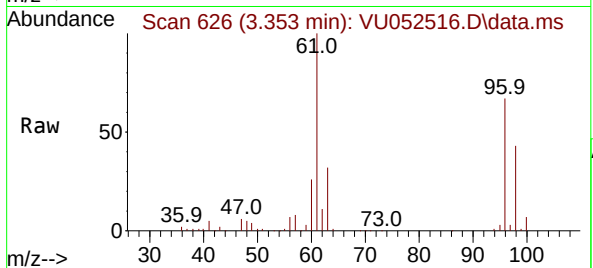




#18
trans-1,2-Dichloroethene
Concen: 6.687 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

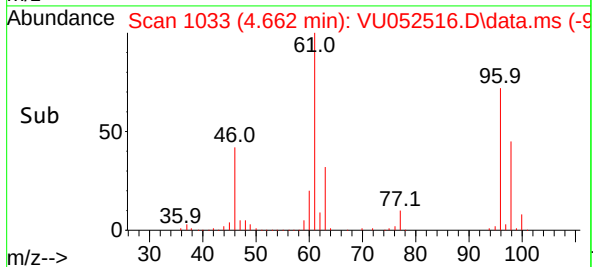
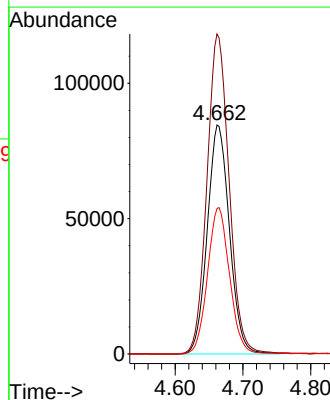
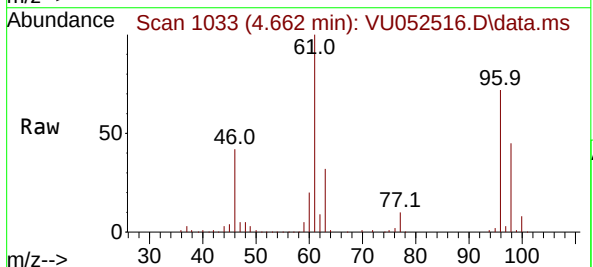
Instrument :
MSVOA_U
ClientSampleId :
GBQA1

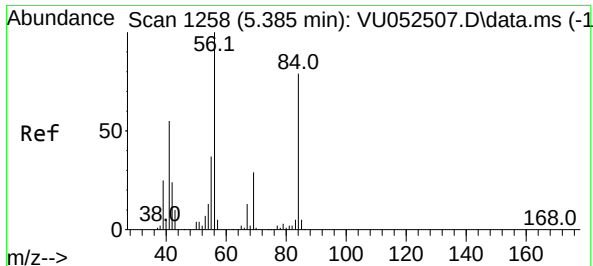
Tgt Ion: 96 Resp: 98780
Ion Ratio Lower Upper
96 100
61 149.0 108.3 201.1
98 63.8 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 11.861 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Tgt Ion: 96 Resp: 192286
Ion Ratio Lower Upper
96 100
61 139.7 96.9 180.1
98 63.5 44.7 83.1





#30

Cyclohexane

Concen: 0.248 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052516.D

Acq: 23 Dec 2022 01:13

Instrument :

MSVOA_U

ClientSampleId :

GBQA1

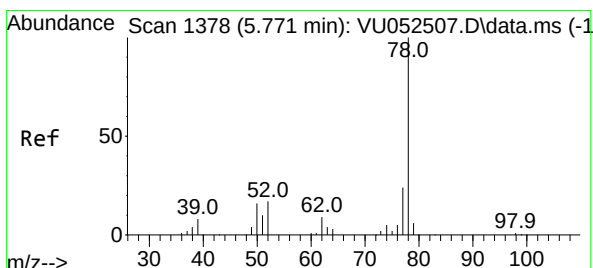
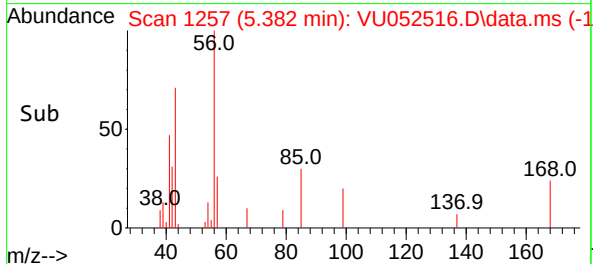
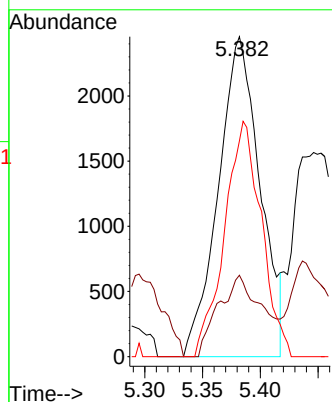
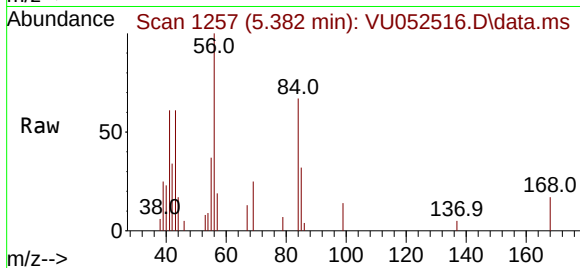
Tgt Ion: 56 Resp: 6146

Ion Ratio Lower Upper

56 100

69 27.0 23.0 34.6

84 65.3 64.4 96.6



#33

Benzene

Concen: 0.179 ug/L

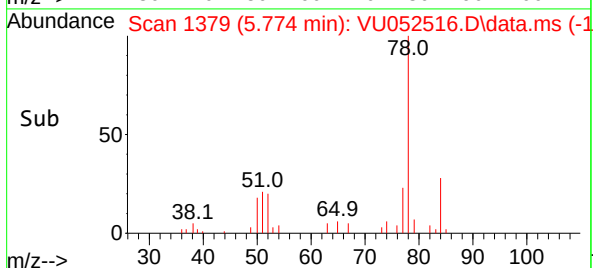
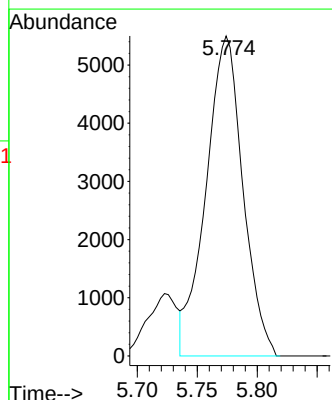
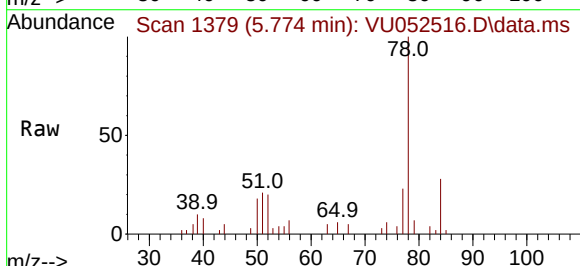
RT: 5.774 min Scan# 1379

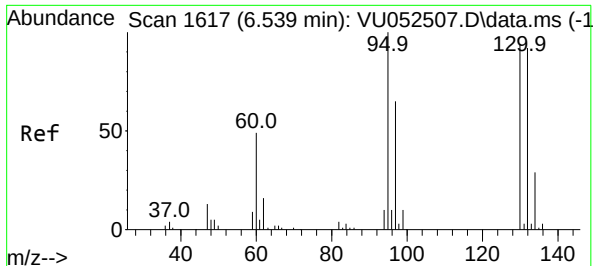
Delta R.T. 0.003 min

Lab File: VU052516.D

Acq: 23 Dec 2022 01:13

Tgt Ion: 78 Resp: 11761

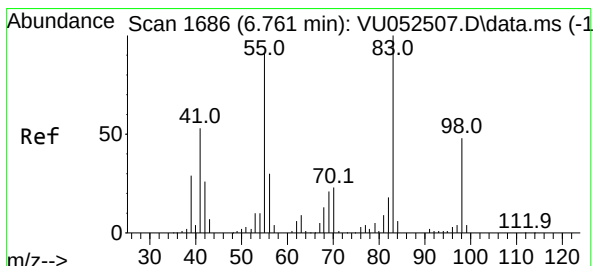
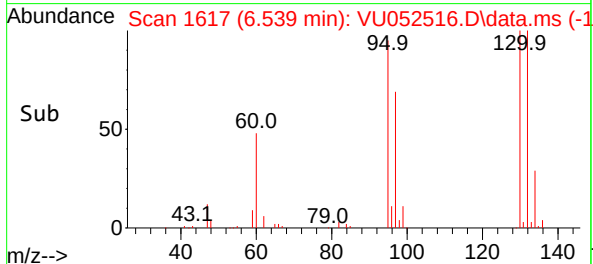
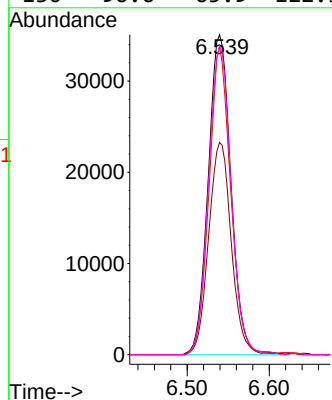
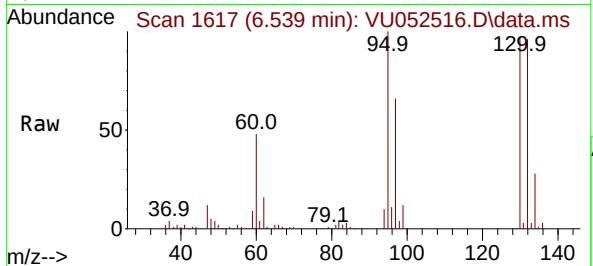




#34
Trichloroethene
Concen: 4.419 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

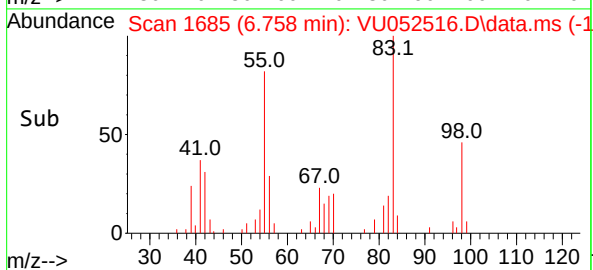
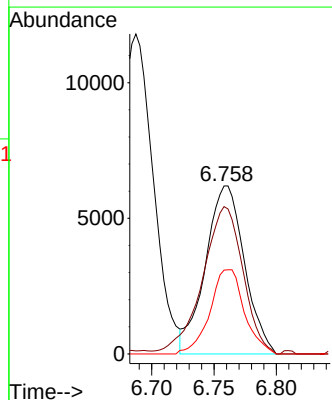
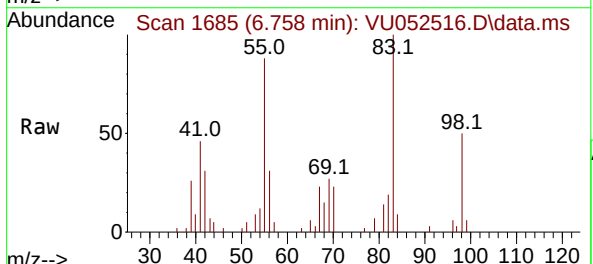
Instrument :
MSVOA_U
ClientSampleId :
GBQA1

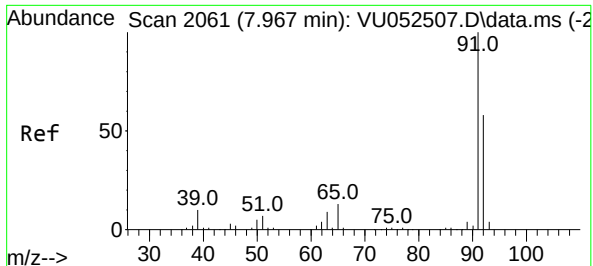
Tgt Ion: 95 Resp: 67759
Ion Ratio Lower Upper
95 100
97 66.3 46.3 86.1
132 96.4 63.9 118.7
130 96.6 65.9 122.5



#35
Methylcyclohexane
Concen: 0.583 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Tgt Ion: 83 Resp: 13488
Ion Ratio Lower Upper
83 100
55 91.2 71.4 107.0
98 44.3 36.5 54.7





#42

Toluene

Concen: 0.206 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052516.D

Acq: 23 Dec 2022 01:13

Instrument :

MSVOA_U

ClientSampleId :

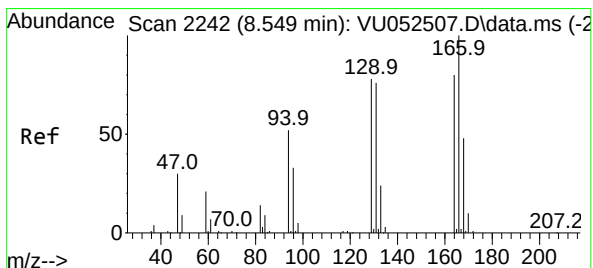
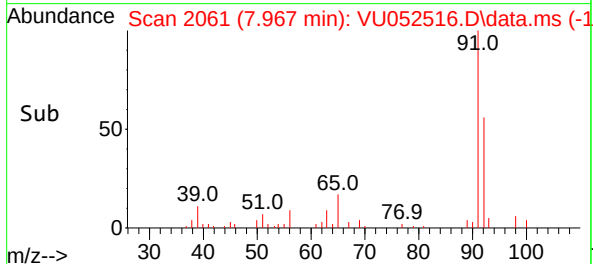
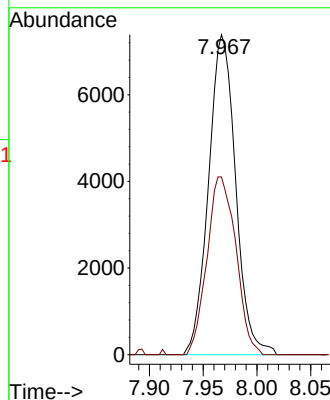
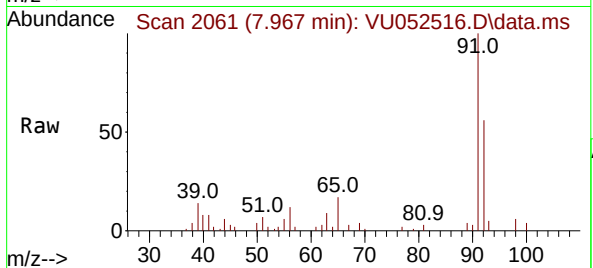
GBQA1

Tgt Ion: 91 Resp: 12970

Ion Ratio Lower Upper

91 100

92 55.5 40.6 75.4



#47

Tetrachloroethene

Concen: 12.848 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU052516.D

Acq: 23 Dec 2022 01:13

Tgt Ion: 164 Resp: 137520

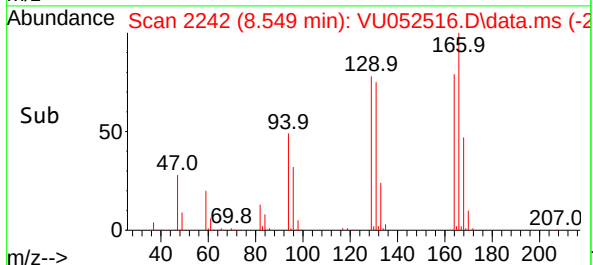
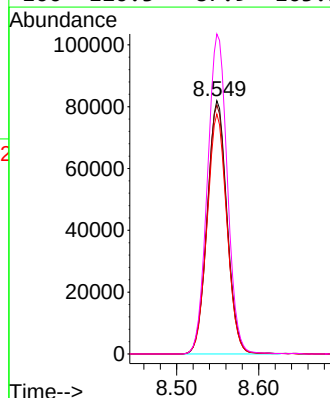
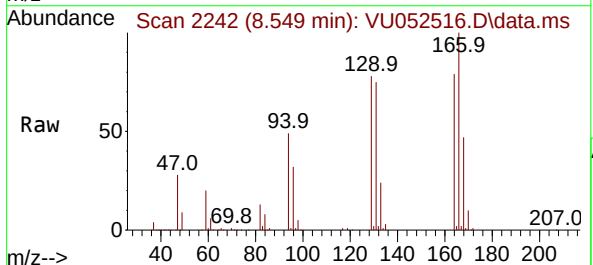
Ion Ratio Lower Upper

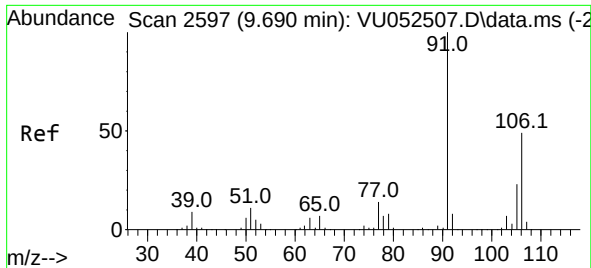
164 100

129 98.3 68.1 126.5

131 94.7 66.5 123.5

166 126.3 87.9 163.3

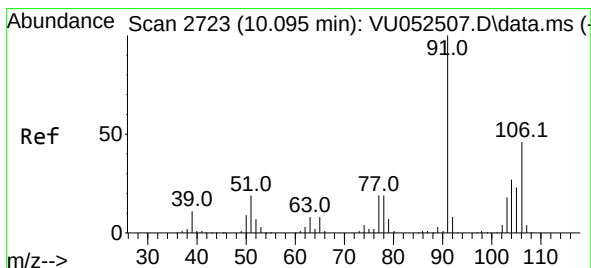
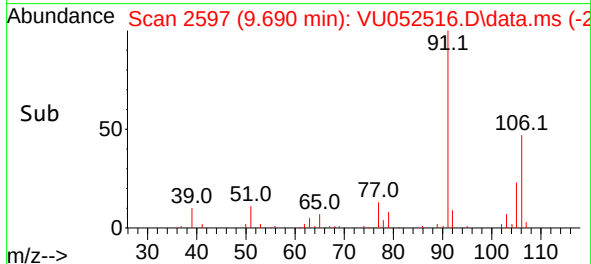
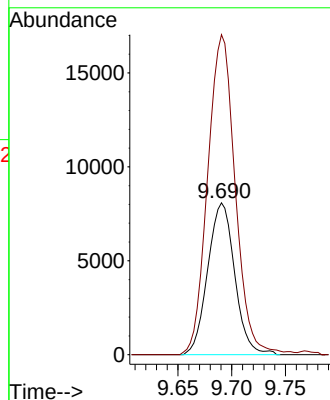
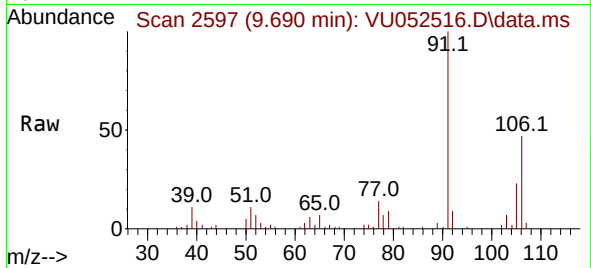




#53
m,p-Xylene
Concen: 0.587 ug/L
RT: 9.690 min Scan# 21
Delta R.T. 0.000 min
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Acq: 23 Dec 2022 01:13

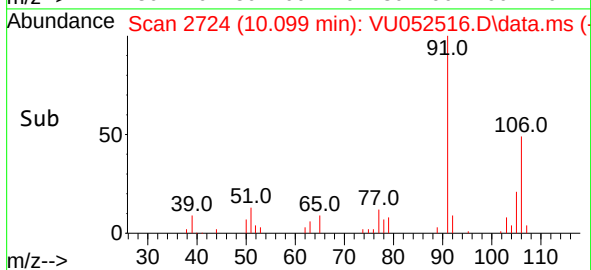
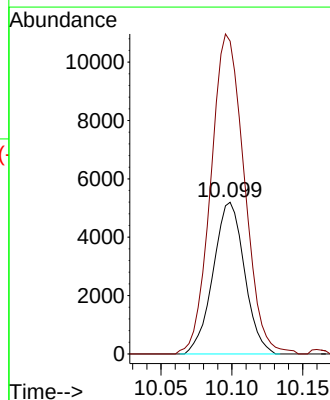
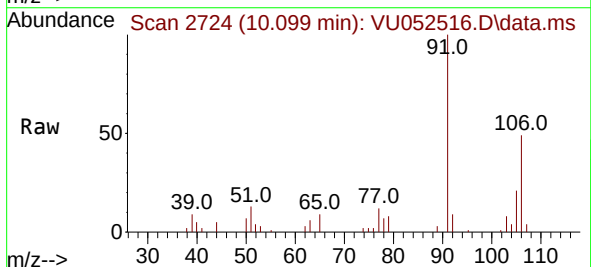
Instrument :
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GBQA1

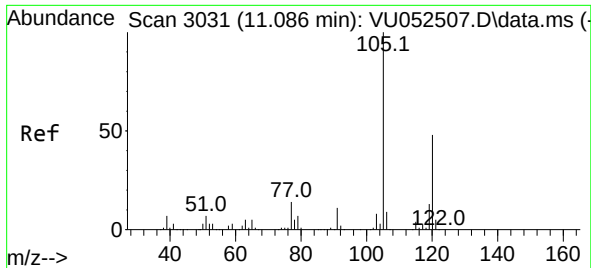
Tgt Ion:106 Resp: 14093
Ion Ratio Lower Upper
106 100
91 210.7 148.2 275.2



#54
o-Xylene
Concen: 0.347 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Tgt Ion:106 Resp: 7993
Ion Ratio Lower Upper
106 100
91 206.1 153.2 284.4

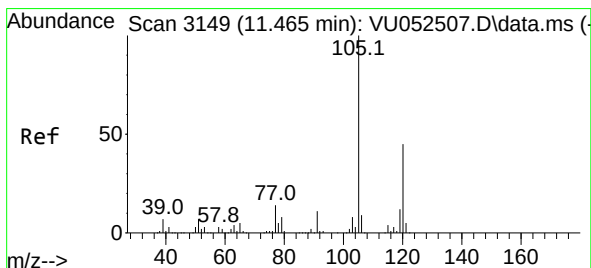
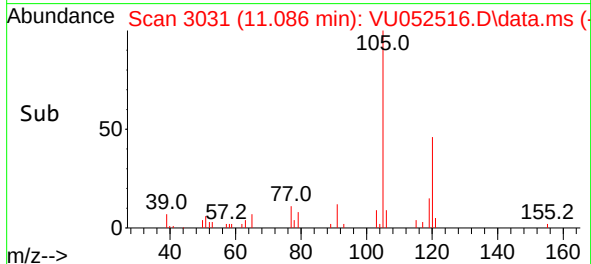
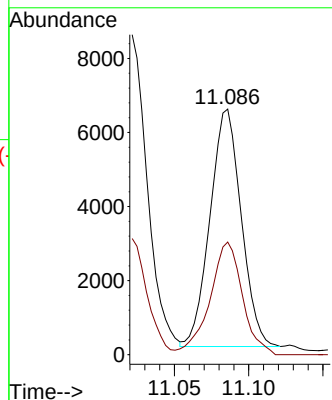
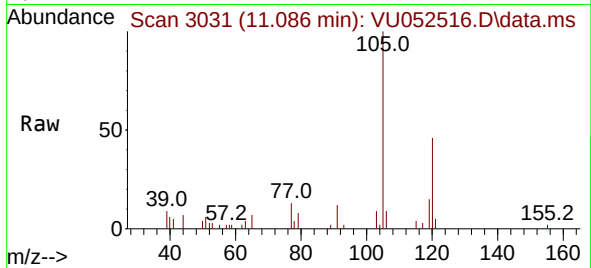




#62
1,3,5-Trimethylbenzene
Concen: 0.189 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Instrument :
MSVOA_U
ClientSampleId :
GBQA1

Tgt Ion:105 Resp: 9391
Ion Ratio Lower Upper
105 100
120 49.3 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 0.778 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052516.D
Acq: 23 Dec 2022 01:13

Tgt Ion:105 Resp: 38932
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

