

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
 Data File : VU052576.D
 Acq On : 27 Dec 2022 19:46
 Operator : JC/MD
 Sample : N6169-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA6

Quant Time: Dec 28 01:25:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	179530	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	168392	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	88591	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55969	3.077	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.600%
7) Chloroethane-d5	1.916	69	57182	3.646	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.000%
11) 1,1-Dichloroethene-d2	2.565	65	25985	3.320	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.629	46	324373	57.510	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.020%
24) Chloroform-d	5.060	84	128826	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.697	65	77607	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.722	84	261192	4.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.687	67	93559	4.708	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.893	98	229961	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.176	79	33609	4.939	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.629	63	240789	64.673	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	88371	5.237	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	88452	4.904	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	19081	0.913	ug/L	99
12) 1,1-Dichloroethene	2.578	96	4259	0.317	ug/L #	1
14) Carbon disulfide	2.793	76	19968	0.461	ug/L	97
16) Methylene chloride	3.051	84	11483	0.605	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	54852	3.958	ug/L	100
22) cis-1,2-Dichloroethene	4.661	96	482222	31.710	ug/L	95
25) Chloroform	5.079	83	19384	0.664	ug/L	99
30) Cyclohexane	5.385	56	141647	6.185	ug/L #	84
33) Benzene	5.771	78	17149	0.283	ug/L	100
34) Trichloroethene	6.539	95	705454	49.752	ug/L	99
35) Methylcyclohexane	6.758	83	368036	17.213	ug/L	95
42) Toluene	7.964	91	13600	0.234	ug/L	93
47) Tetrachloroethene	8.552	164	1925747	194.566	ug/L	98
52) Ethylbenzene	9.565	91	60388	1.003	ug/L	97
53) m,p-Xylene	9.690	106	28466	1.283	ug/L	95
54) o-Xylene	10.095	106	4283	0.201	ug/L	92
60) Isopropylbenzene	10.478	105	43327	0.755	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	40480	0.855	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	91799	1.926	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 28 01:18:16 2022
Response via : Initial Calibration

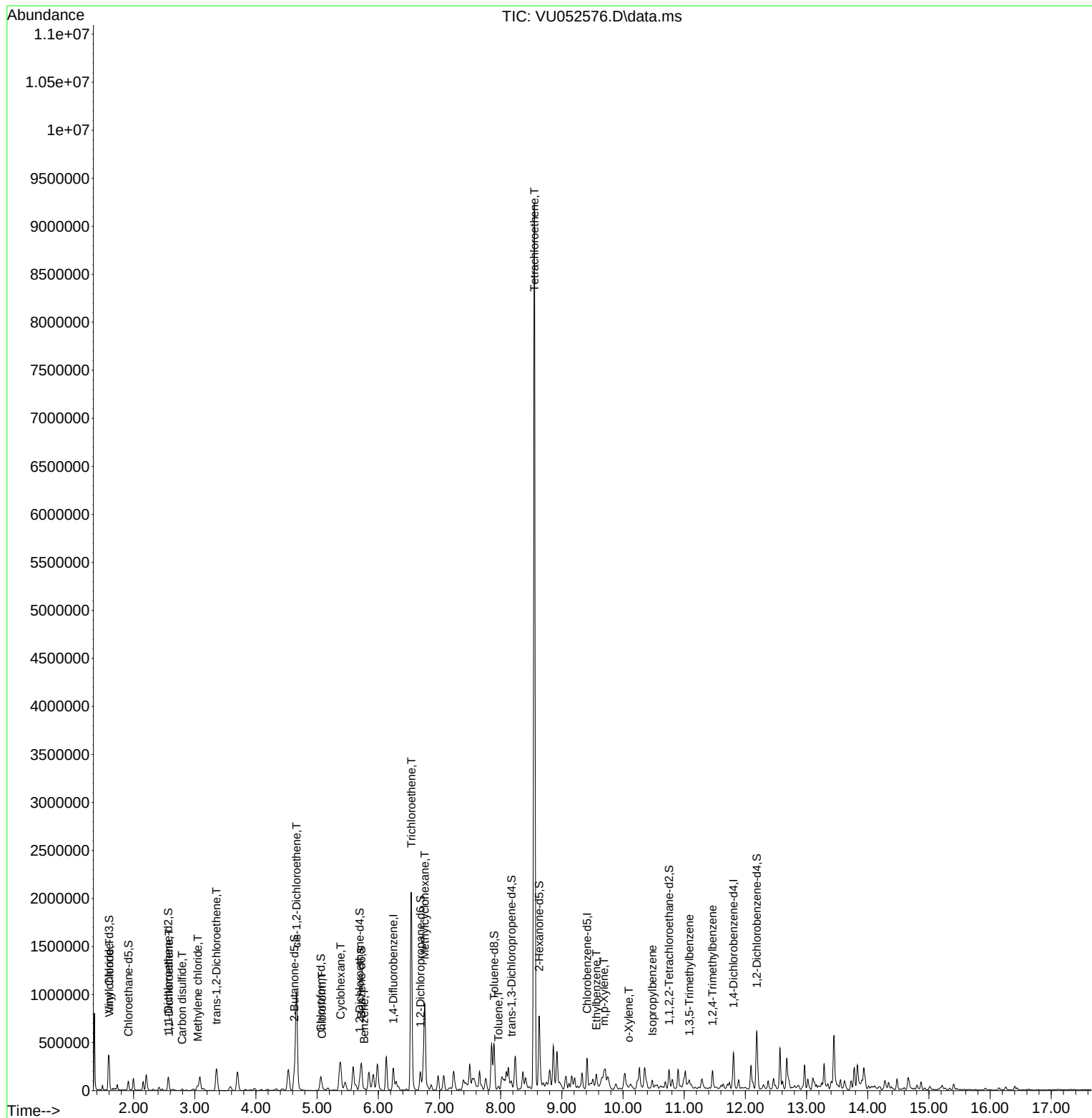
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

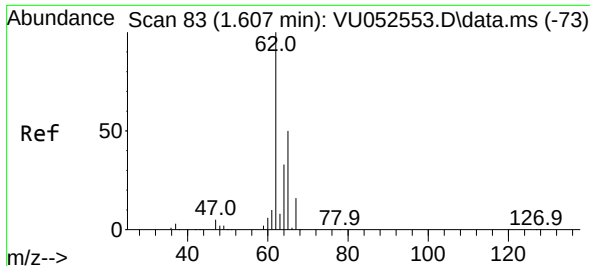
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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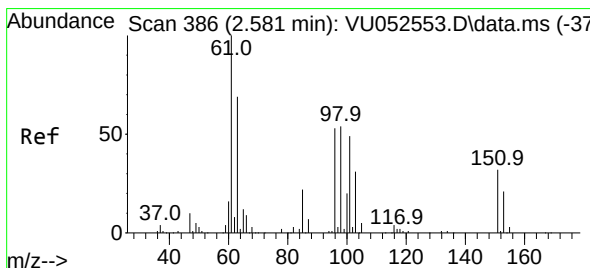
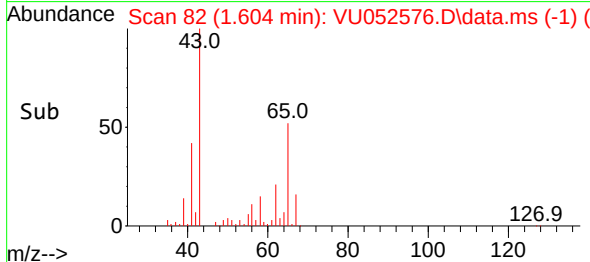
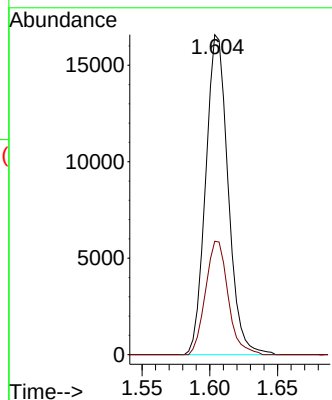
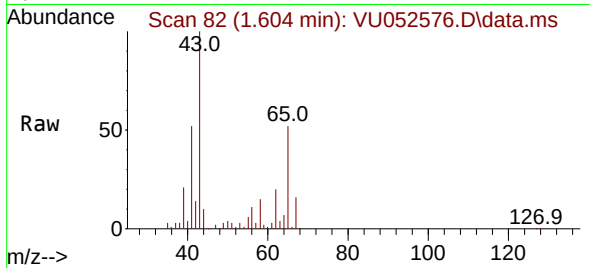




#5
 Vinyl chloride
 Concen: 0.913 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052576.D
 Acq: 27 Dec 2022 19:46

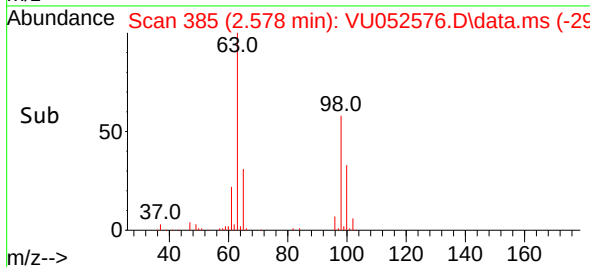
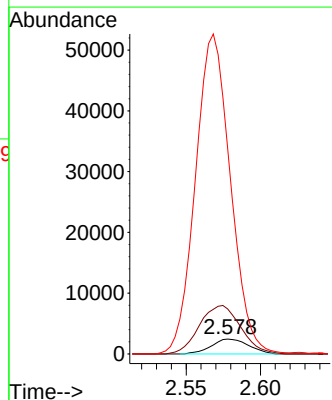
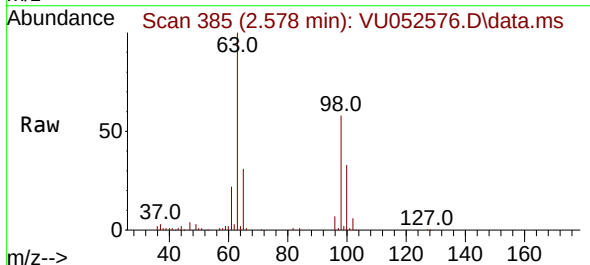
Instrument :
 MSVOA_U
 ClientSampleId :
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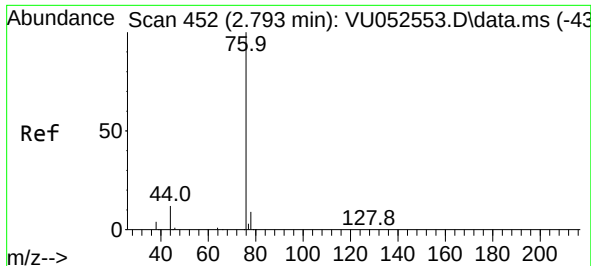
Tgt Ion: 62 Resp: 19081
 Ion Ratio Lower Upper
 62 100
 64 35.4 24.4 45.4



#12
 1,1-Dichloroethene
 Concen: 0.317 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052576.D
 Acq: 27 Dec 2022 19:46

Tgt Ion: 96 Resp: 4259
 Ion Ratio Lower Upper
 96 100
 61 300.8 135.4 251.4#
 63 1370.4 95.4 177.2#





#14

Carbon disulfide

Concen: 0.461 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052576.D

Acq: 27 Dec 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

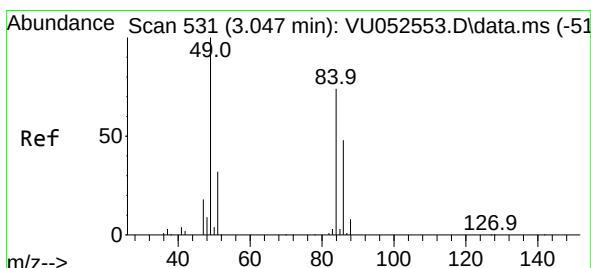
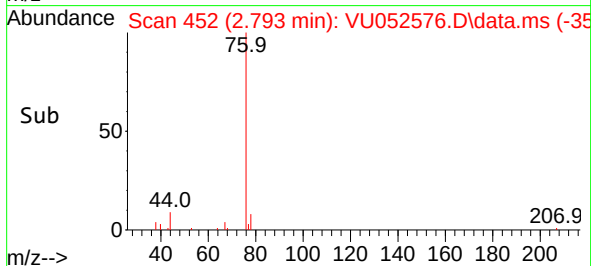
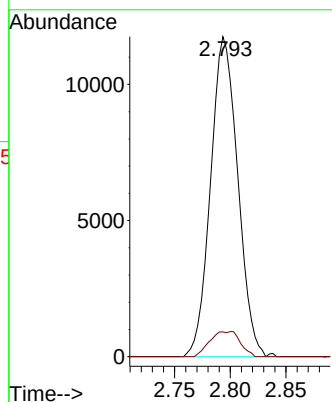
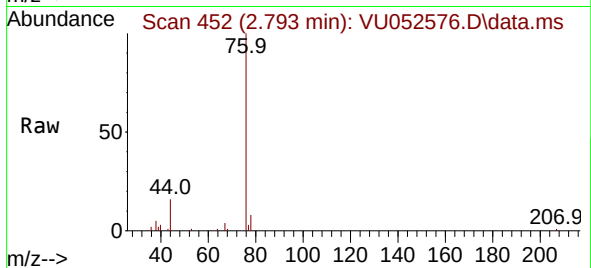
GBQA6

Tgt Ion: 76 Resp: 19968

Ion Ratio Lower Upper

76 100

78 7.7 7.1 10.7



#16

Methylene chloride

Concen: 0.605 ug/L

RT: 3.051 min Scan# 532

Delta R.T. 0.003 min

Lab File: VU052576.D

Acq: 27 Dec 2022 19:46

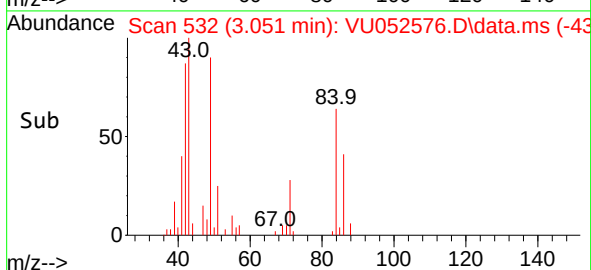
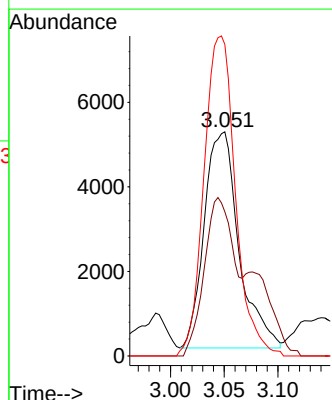
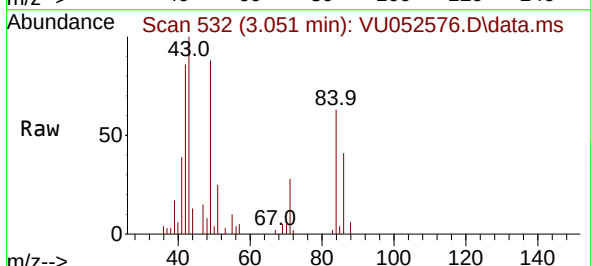
Tgt Ion: 84 Resp: 11483

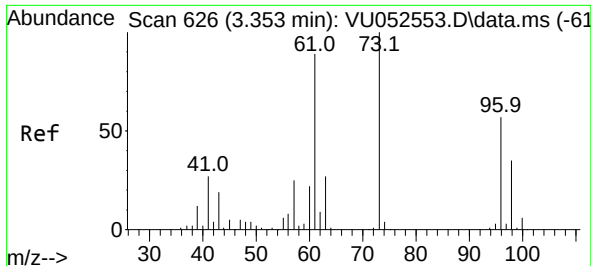
Ion Ratio Lower Upper

84 100

86 64.3 44.7 83.1

49 139.0 93.3 173.3

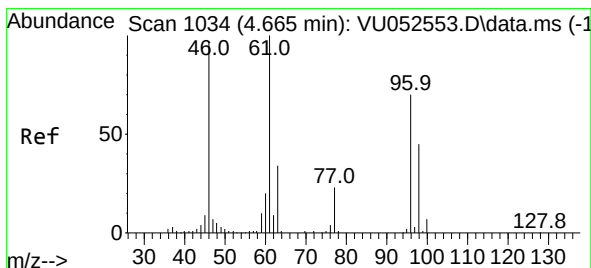
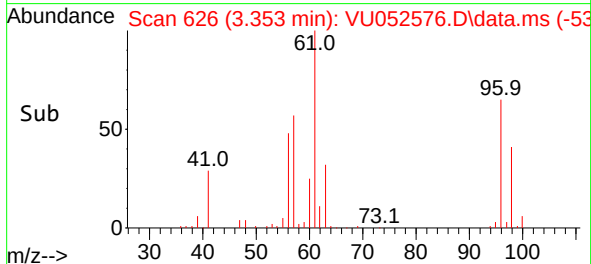
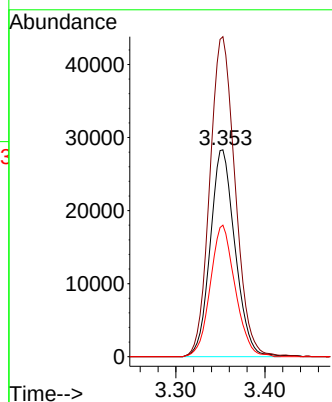
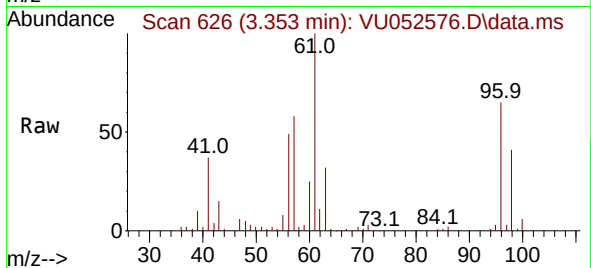




#18
trans-1,2-Dichloroethene
Concen: 3.958 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

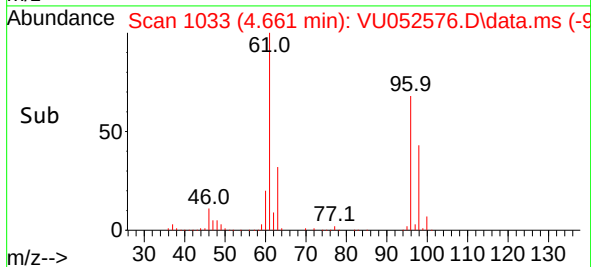
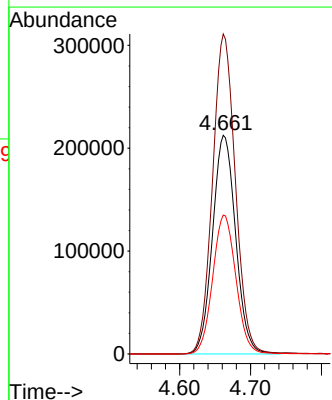
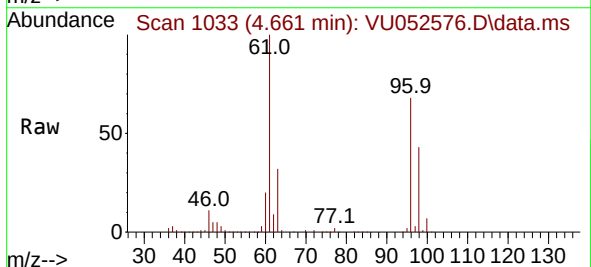
Instrument :
MSVOA_U
ClientSampleId :
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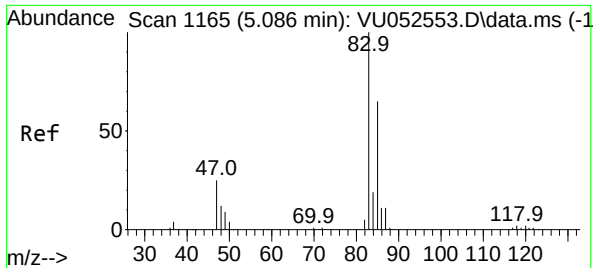
Tgt Ion: 96 Resp: 54852
Ion Ratio Lower Upper
96 100
61 154.7 108.3 201.1
98 63.6 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 31.710 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Tgt Ion: 96 Resp: 482222
Ion Ratio Lower Upper
96 100
61 146.3 96.9 180.1
98 63.5 44.7 83.1

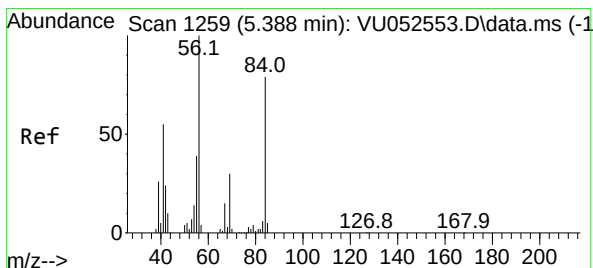
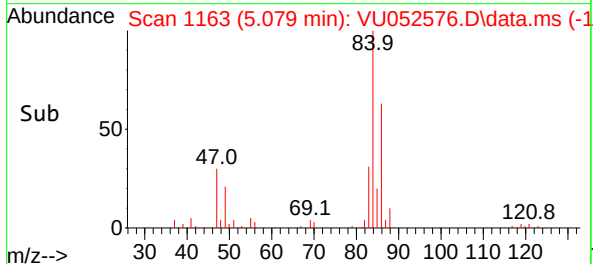
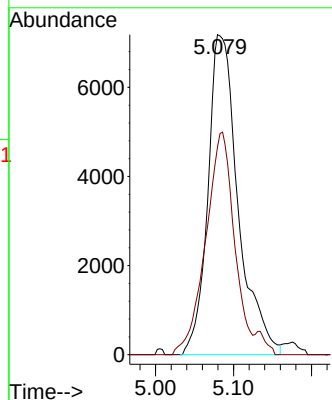
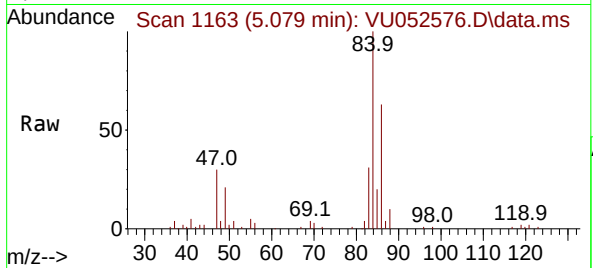




#25
Chloroform
Concen: 0.664 ug/L
RT: 5.079 min Scan# 1163
Delta R.T. -0.006 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

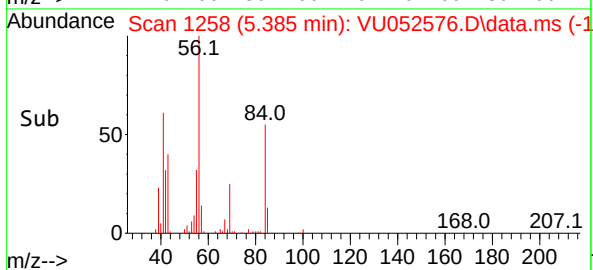
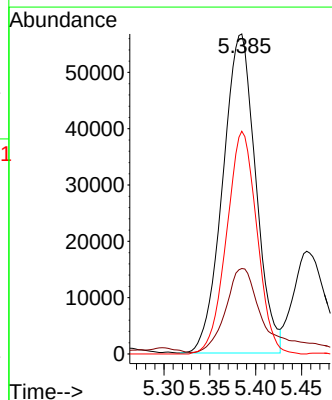
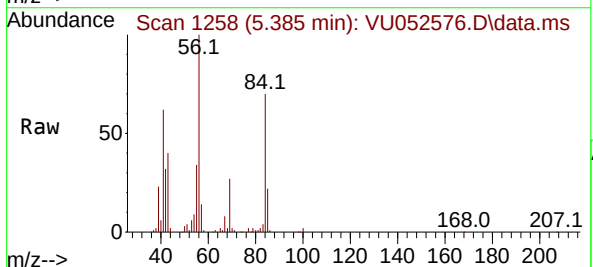
Instrument :
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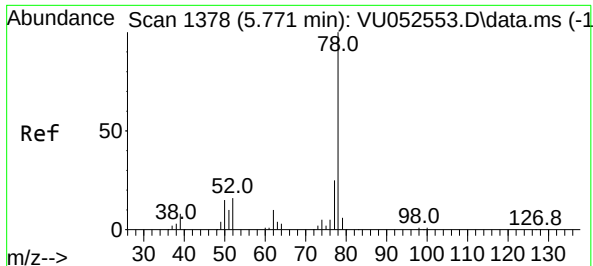
Tgt Ion: 83 Resp: 19384
Ion Ratio Lower Upper
83 100
85 64.9 44.7 83.1



#30
Cyclohexane
Concen: 6.185 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Tgt Ion: 56 Resp: 141647
Ion Ratio Lower Upper
56 100
69 32.9 23.0 34.6
84 64.2 64.4 96.6#

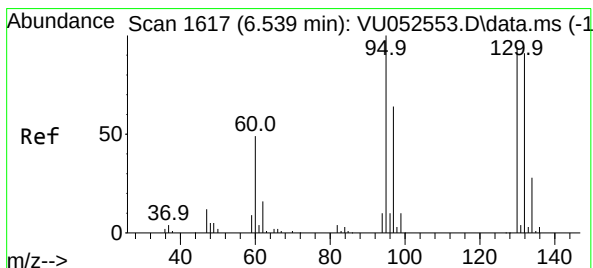
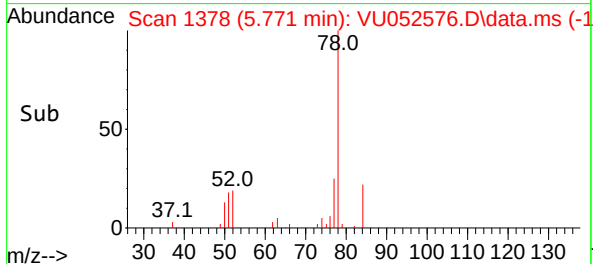
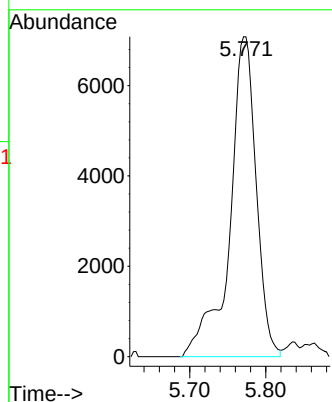
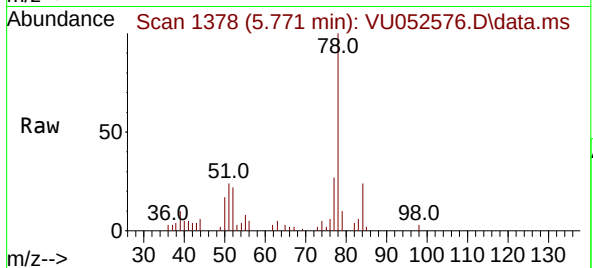




#33
Benzene
Concen: 0.283 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Instrument :
MSVOA_U
ClientSampleId :
GBQA6

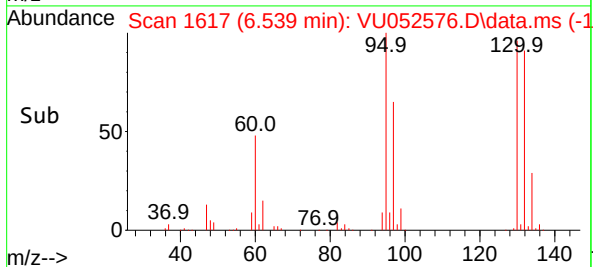
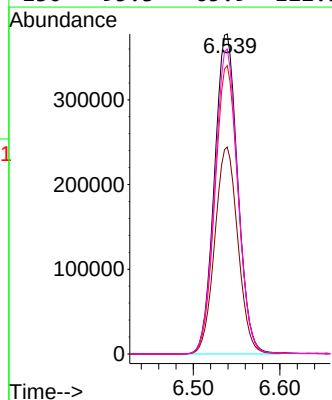
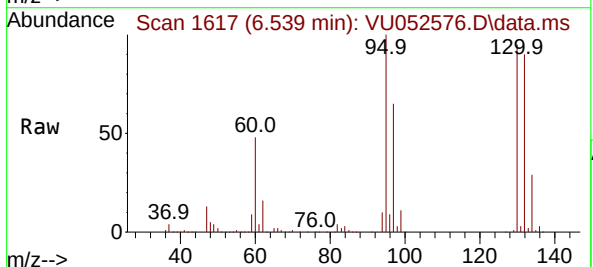
Tgt Ion: 78 Resp: 17149

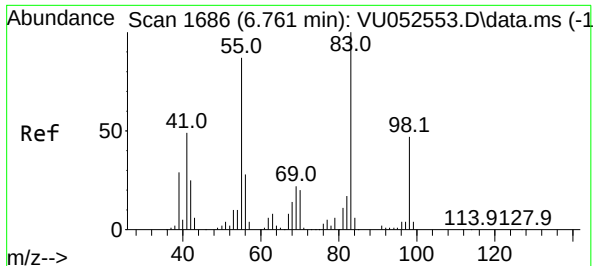


#34
Trichloroethene
Concen: 49.752 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
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Tgt Ion: 95 Resp: 705454

Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.3	86.1
132	90.1	63.9	118.7
130	95.3	65.9	122.5

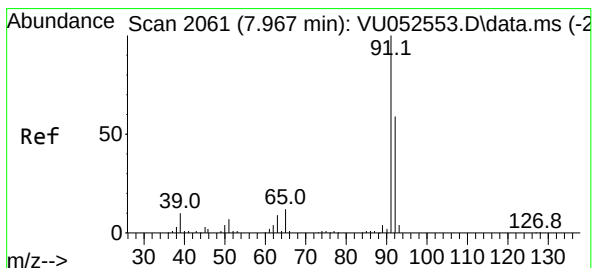
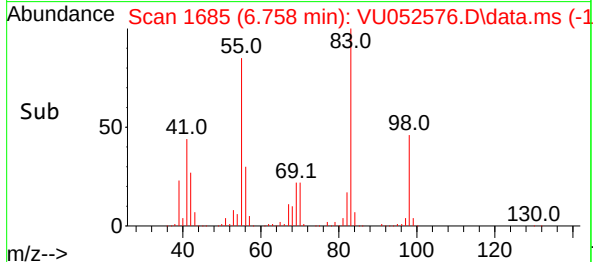
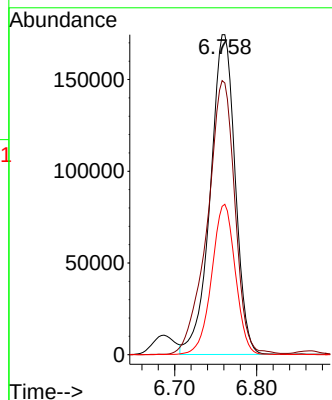
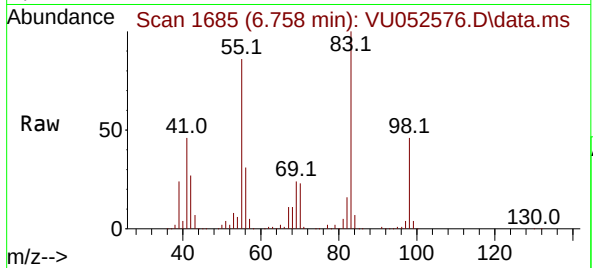




#35
Methylcyclohexane
Concen: 17.213 ug/L
RT: 6.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

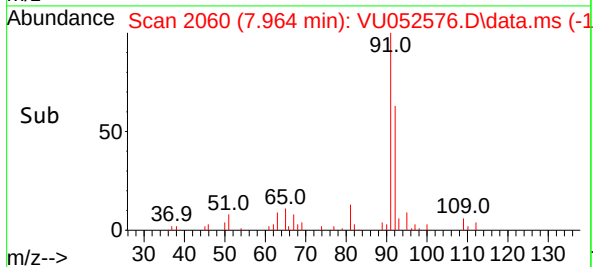
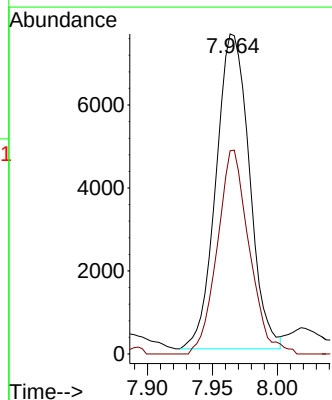
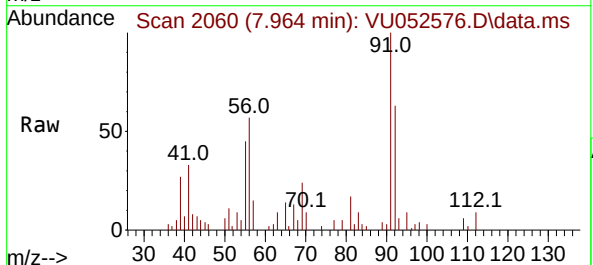
Instrument :
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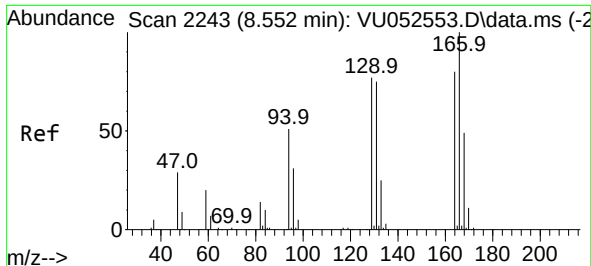
Tgt Ion: 83 Resp: 368036
Ion Ratio Lower Upper
83 100
55 95.1 71.4 107.0
98 44.8 36.5 54.7



#42
Toluene
Concen: 0.234 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

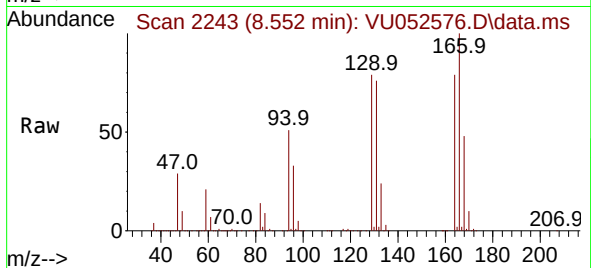
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Ion Ratio Lower Upper
91 100
92 63.5 40.6 75.4





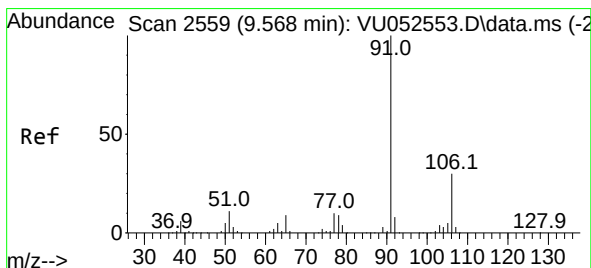
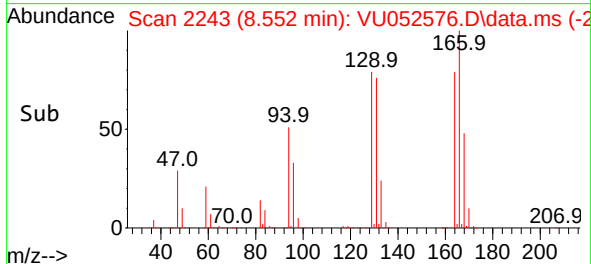
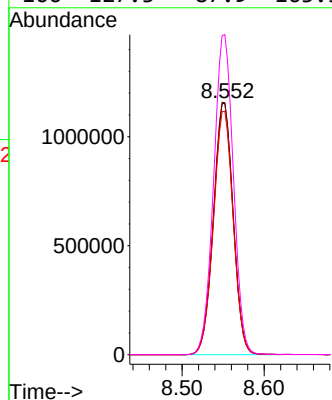
#47
Tetrachloroethene
Concen: 194.566 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Instrument :
MSVOA_U
ClientSampleId :
GBQA6



Tgt Ion:164 Resp: 1925747

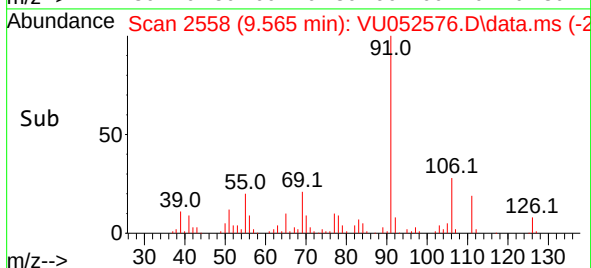
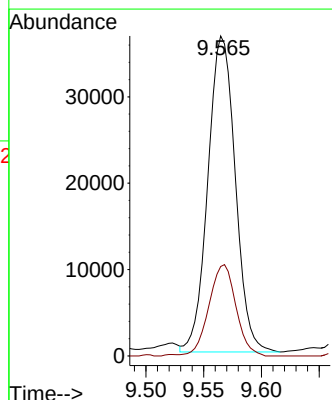
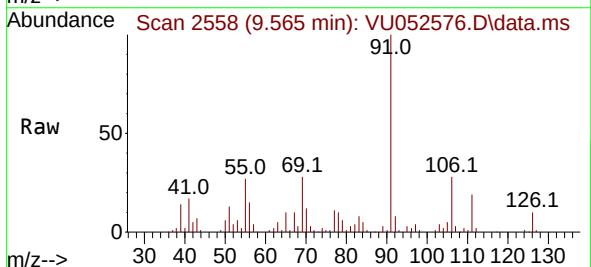
Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.1	126.5
131	96.8	66.5	123.5
166	127.3	87.9	163.3

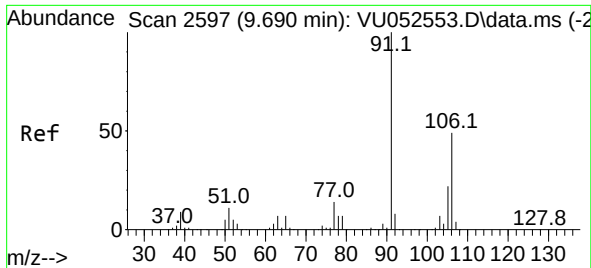


#52
Ethylbenzene
Concen: 1.003 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Tgt Ion: 91 Resp: 60388

Ion	Ratio	Lower	Upper
91	100		
106	28.0	20.9	38.7

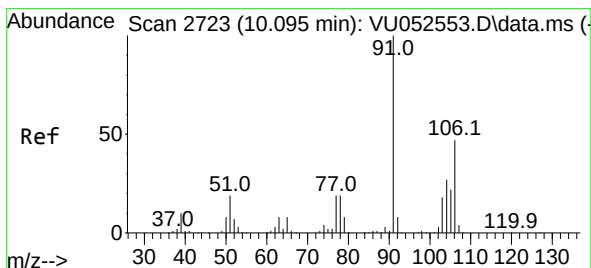
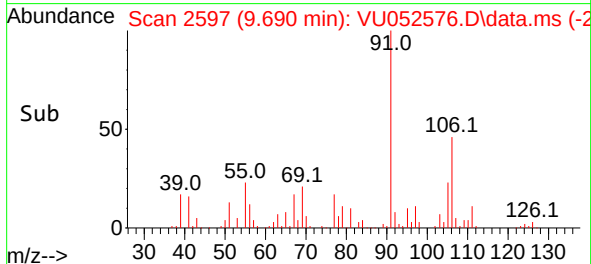
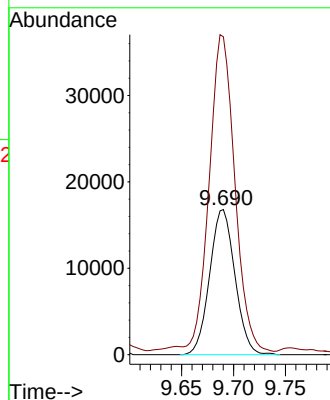
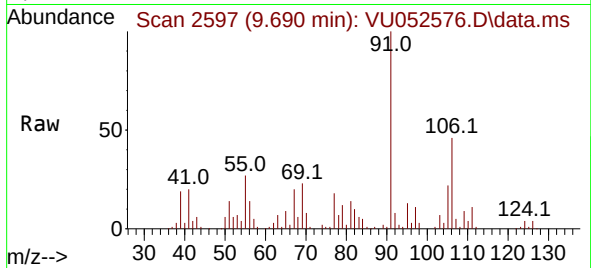




#53
m,p-Xylene
Concen: 1.283 ug/L
RT: 9.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

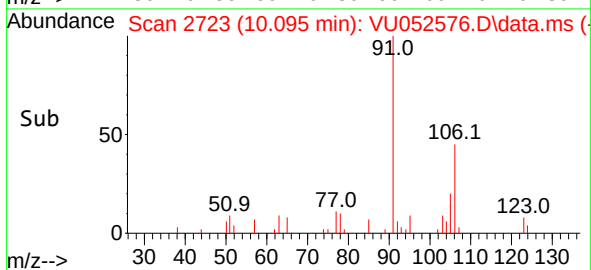
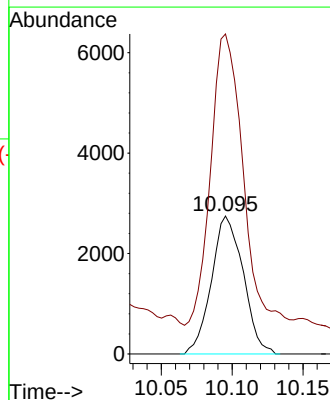
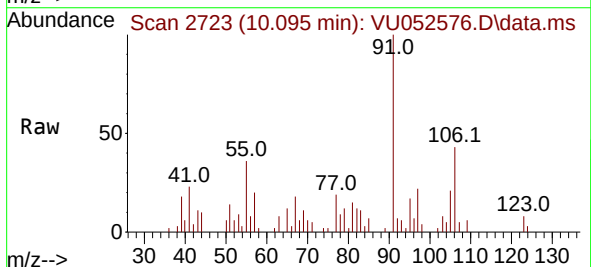
Instrument :
MSVOA_U
ClientSampleId :
GBQA6

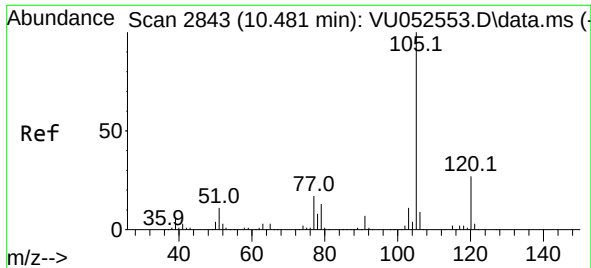
Tgt Ion:106 Resp: 28466
Ion Ratio Lower Upper
106 100
91 219.0 148.2 275.2



#54
o-Xylene
Concen: 0.201 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Tgt Ion:106 Resp: 4283
Ion Ratio Lower Upper
106 100
91 232.1 153.2 284.4

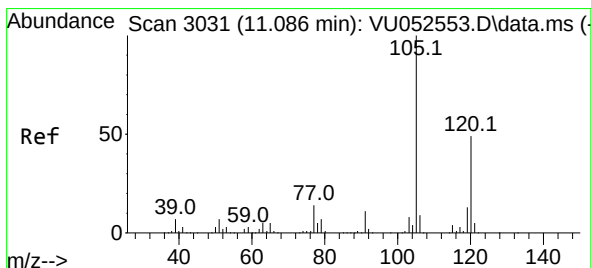
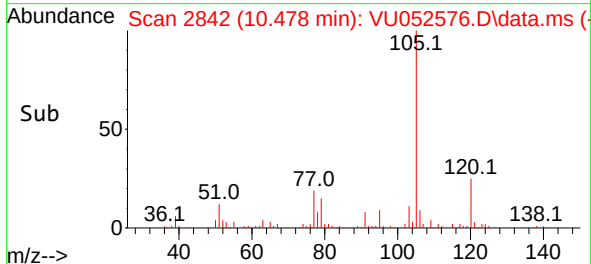
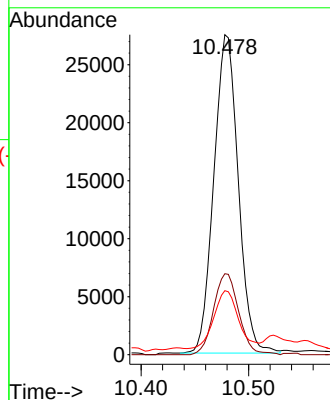
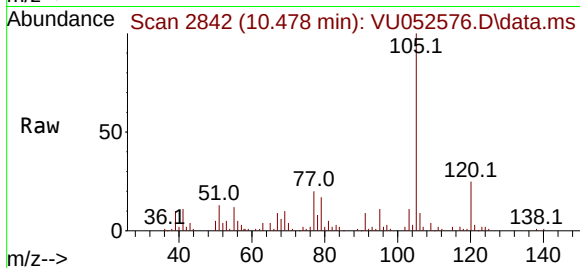




#60
Isopropylbenzene
Concen: 0.755 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

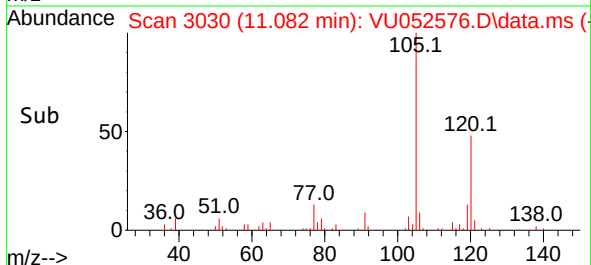
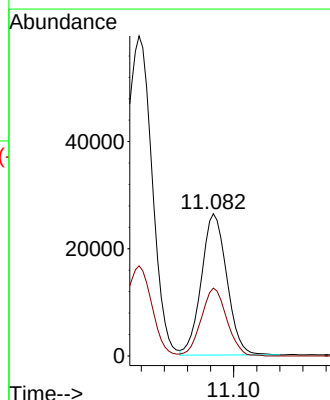
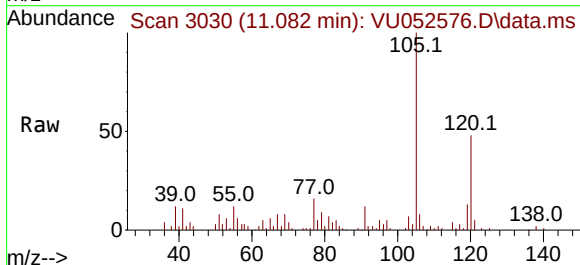
Instrument :
MSVOA_U
ClientSampleId :
GBQA6

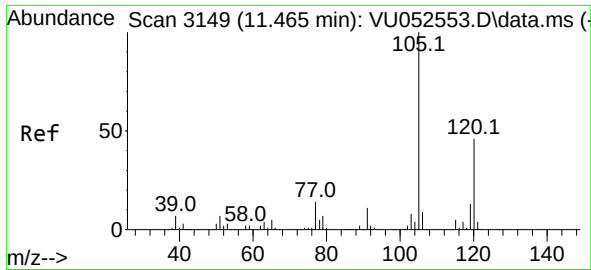
Tgt Ion:105 Resp: 43327
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 18.3 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 0.855 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VU052576.D
Acq: 27 Dec 2022 19:46

Tgt Ion:105 Resp: 40480
Ion Ratio Lower Upper
105 100
120 48.3 38.6 57.8





#63
 1,2,4-Trimethylbenzene
 Concen: 1.926 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.003 min
 Lab File: VU052576.D
 Acq: 27 Dec 2022 19:46

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA6

Tgt Ion:105 Resp: 91799
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.6 53.4

