

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052544.D
 Acq On : 23 Dec 2022 17:55
 Operator : JC/MD
 Sample : N6171-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD3

Quant Time: Dec 24 03:58:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	165697	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	155228	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	86808	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	62355	3.715	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.912	69	59920	4.139	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.565	65	29526	4.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.642	46	196197	37.689	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.380%
24) Chloroform-d	5.057	84	128392	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.700	65	79092	4.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.726	84	271085	5.094	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	6.687	67	94798	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.893	98	226411	5.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
43) trans-1,3-Dichloroprop...	8.176	79	31992	5.100	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.000%
46) 2-Hexanone-d5	8.632	63	197368	57.506	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.020%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	84684	5.445	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	92284	5.222	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
15) Methyl Acetate	3.038	43	15005	1.775	ug/L #	55
18) trans-1,2-Dichloroethene	3.350	96	190148	14.868	ug/L	100
22) cis-1,2-Dichloroethene	4.662	96	72046	5.133	ug/L	97
27) 1,2-Dichloroethane	5.771	62	40949	2.199	ug/L #	83
30) Cyclohexane	5.385	56	58208	2.757	ug/L	95
33) Benzene	5.771	78	4618260	82.598	ug/L	100
34) Trichloroethene	6.536	95	6050	0.463	ug/L	92
35) Methylcyclohexane	6.758	83	27131	1.376	ug/L	98
37) 1,2-Dichloropropane	6.687	63	10143	0.650	ug/L #	88
42) Toluene	7.964	91	263412	4.914	ug/L	99
45) 1,1,2-Trichloroethane	8.366	97	1334	0.121	ug/L #	21
48) 2-Hexanone	8.632	43	22504	2.619	ug/L #	72
52) Ethylbenzene	9.565	91	304582	5.490	ug/L	99
53) m,p-Xylene	9.687	106	102809	5.026	ug/L	97
54) o-Xylene	10.095	106	1218637	62.142	ug/L	98
55) Styrene	10.095	104	62516	1.832	ug/L #	1
60) Isopropylbenzene	10.478	105	421124	7.485	ug/L	99
61) 1,2,3-Trichloropropane	11.285	75	20070	1.612	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.086	105	149313	3.218	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 24 03:53:16 2022
Response via : Initial Calibration

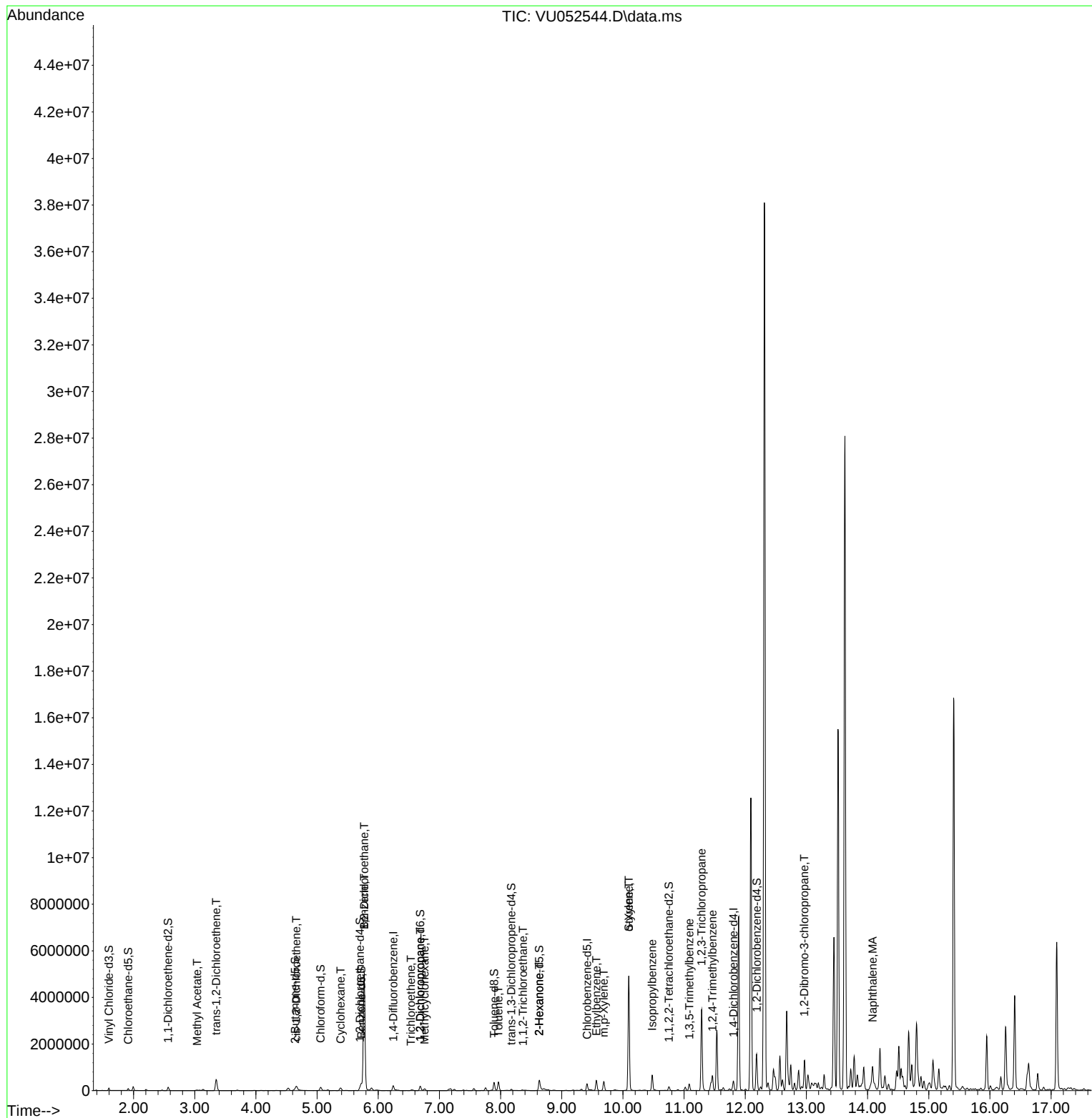
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.465	105	328291	7.028	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.967	75	5146	1.826	ug/L #	7
71) Naphthalene	14.082	128	780750	22.308	ug/L #	84

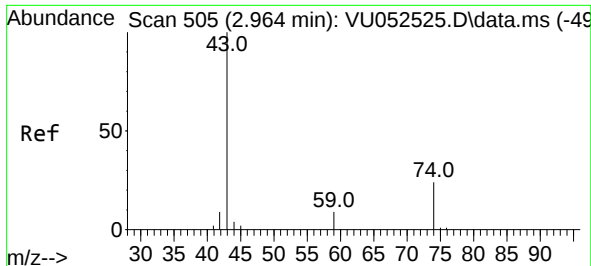
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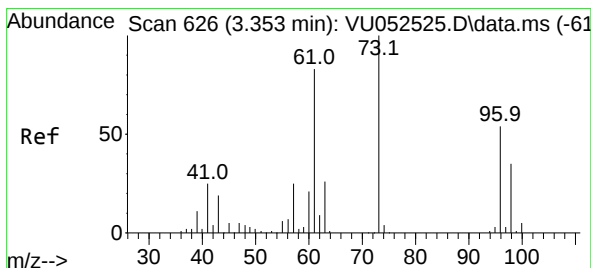
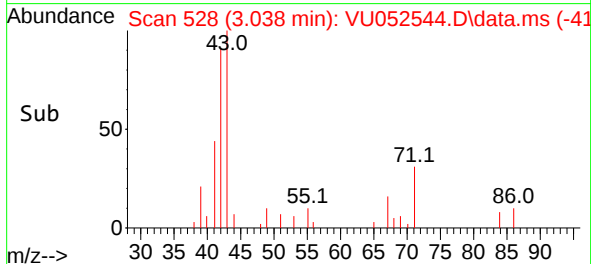
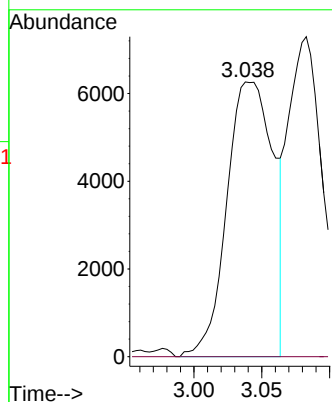
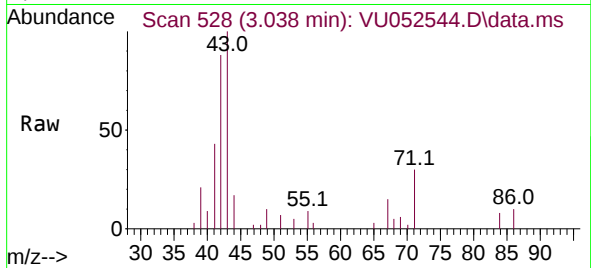




#15
Methyl Acetate
Concen: 1.775 ug/L
RT: 3.038 min Scan# 51
Delta R.T. 0.074 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

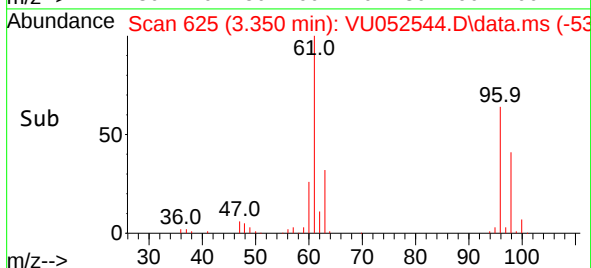
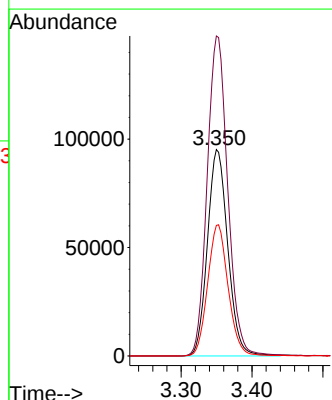
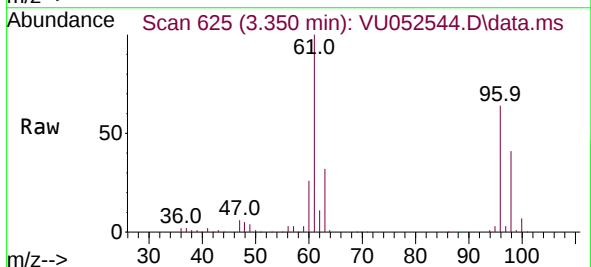
Instrument :
MSVOA_U
ClientSampleId :
GBQD3

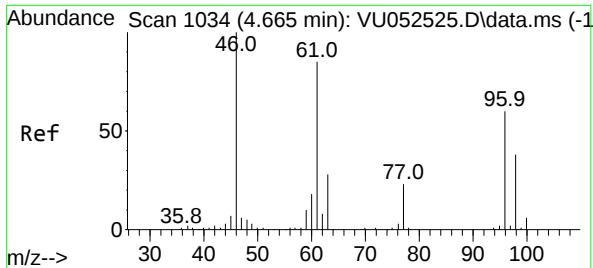
Tgt Ion: 43 Resp: 15005
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#18
trans-1,2-Dichloroethene
Concen: 14.868 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion: 96 Resp: 190148
Ion Ratio Lower Upper
96 100
61 155.1 108.3 201.1
98 63.3 44.0 81.6

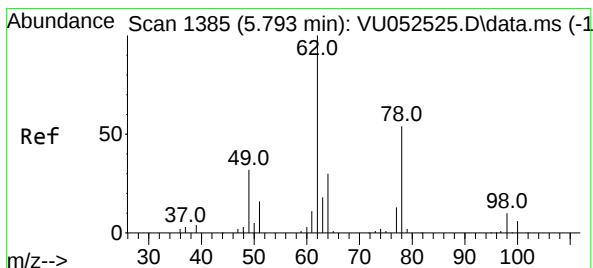
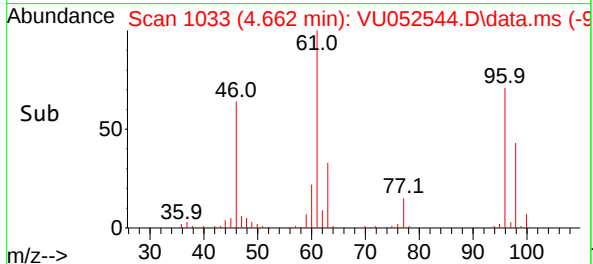
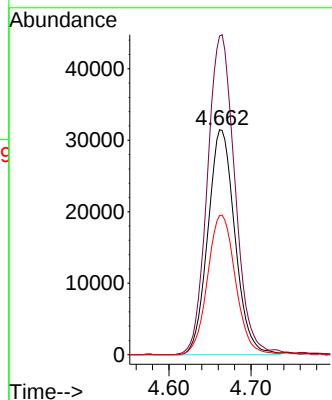
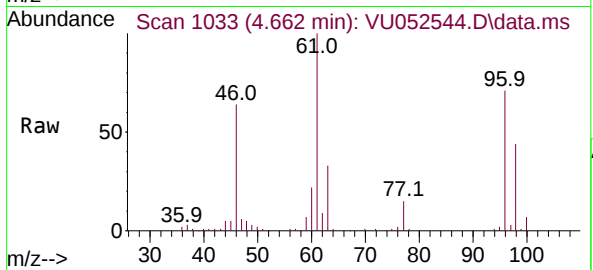




#22
 cis-1,2-Dichloroethene
 Concen: 5.133 ug/L
 RT: 4.662 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU052544.D
 Acq: 23 Dec 2022 17:55

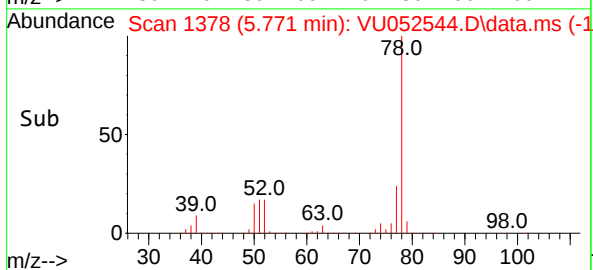
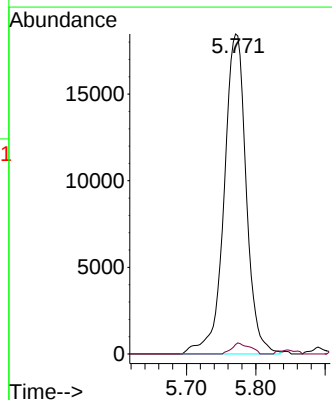
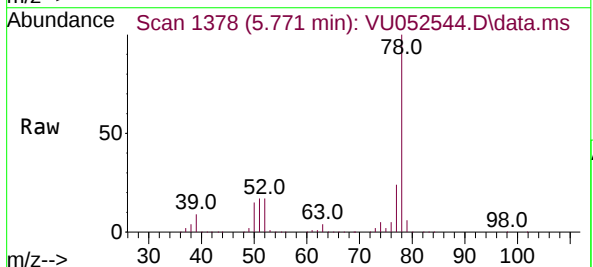
Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD3

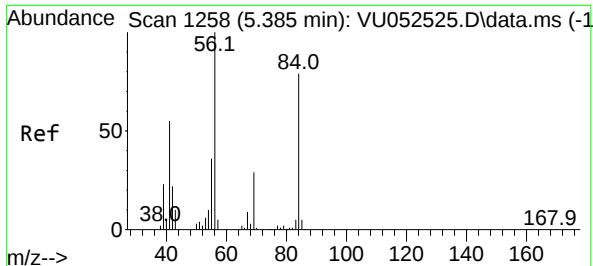
Tgt Ion: 96 Resp: 72046
 Ion Ratio Lower Upper
 96 100
 61 141.7 96.9 180.1
 98 61.9 44.7 83.1



#27
 1,2-Dichloroethane
 Concen: 2.199 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.023 min
 Lab File: VU052544.D
 Acq: 23 Dec 2022 17:55

Tgt Ion: 62 Resp: 40949
 Ion Ratio Lower Upper
 62 100
 98 2.9 7.4 11.2#





#30

Cyclohexane

Concen: 2.757 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052544.D

Acq: 23 Dec 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

GBQD3

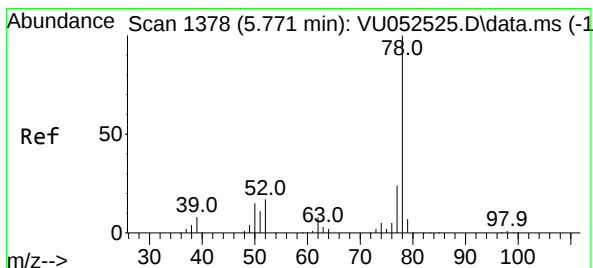
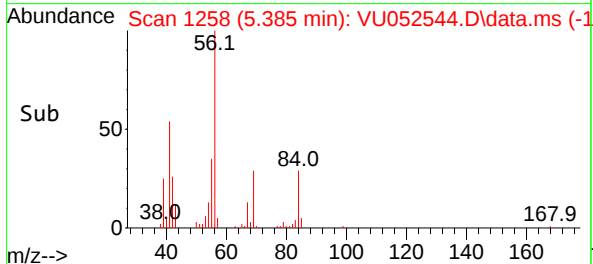
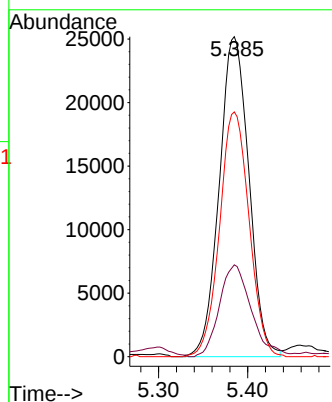
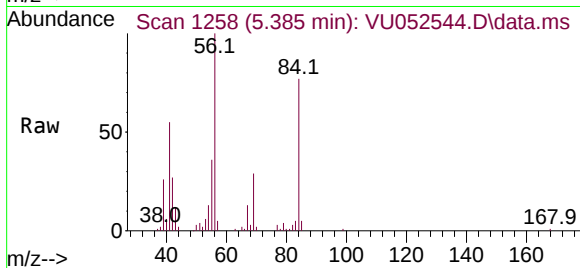
Tgt Ion: 56 Resp: 58208

Ion Ratio Lower Upper

56 100

69 30.9 23.0 34.6

84 76.1 64.4 96.6



#33

Benzene

Concen: 82.598 ug/L

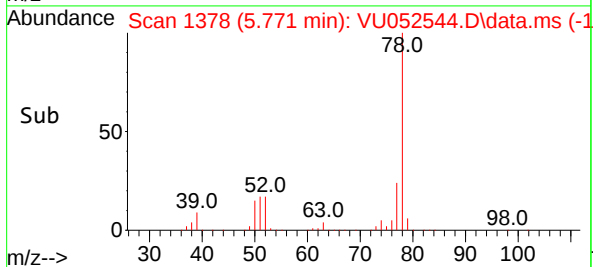
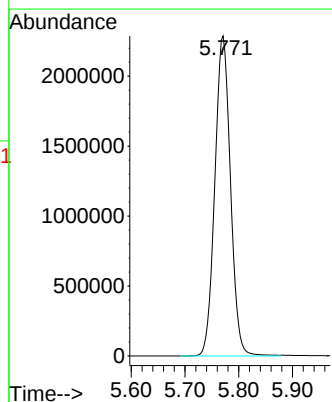
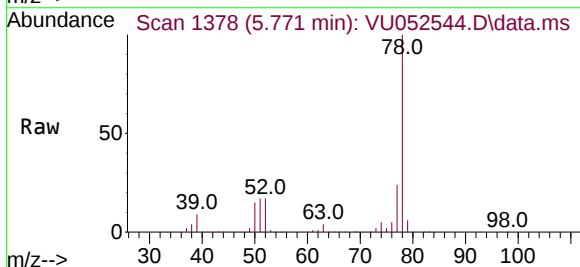
RT: 5.771 min Scan# 1378

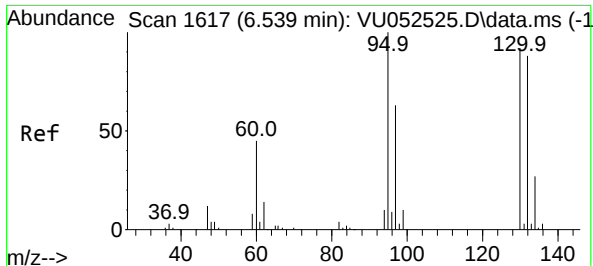
Delta R.T. -0.000 min

Lab File: VU052544.D

Acq: 23 Dec 2022 17:55

Tgt Ion: 78 Resp: 4618260



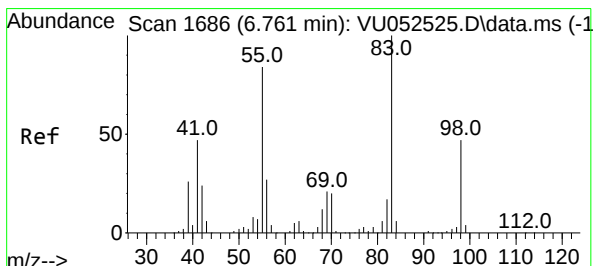
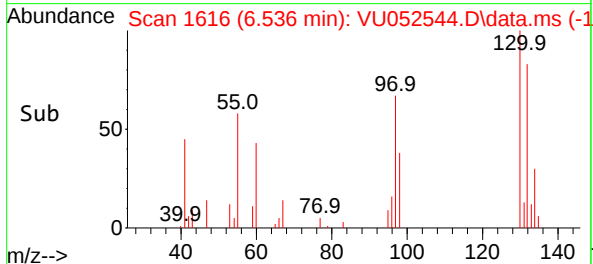
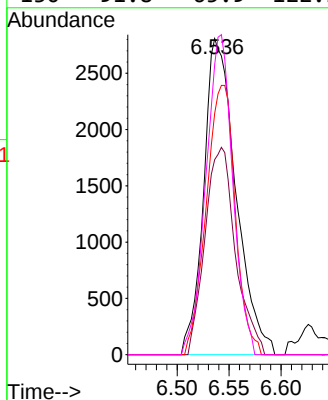
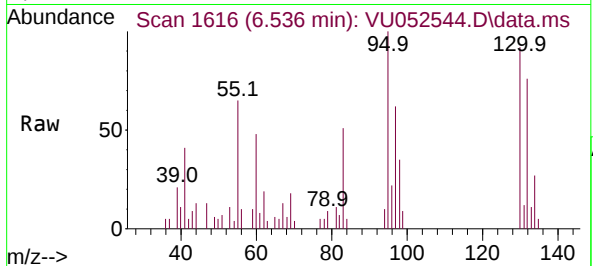


#34
Trichloroethene
Concen: 0.463 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Instrument :
MSVOA_U
ClientSampleId :
GBQD3

Tgt Ion: 95 Resp: 6050

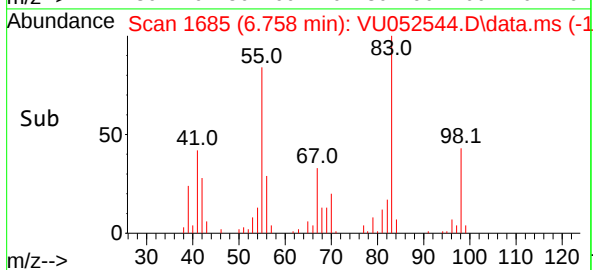
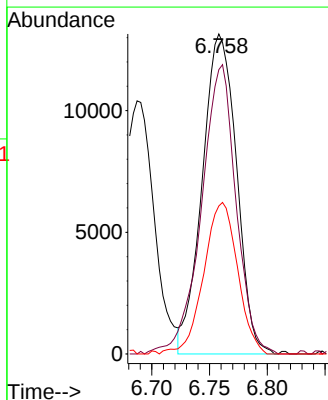
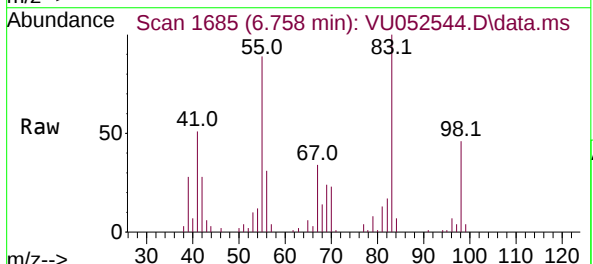
Ion	Ratio	Lower	Upper
95	100		
97	61.7	46.3	86.1
132	76.4	63.9	118.7
130	91.8	65.9	122.5

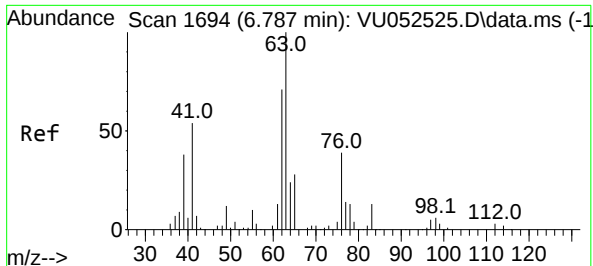


#35
Methylcyclohexane
Concen: 1.376 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion: 83 Resp: 27131

Ion	Ratio	Lower	Upper
83	100		
55	91.4	71.4	107.0
98	46.8	36.5	54.7





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052544.D

Acq: 23 Dec 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

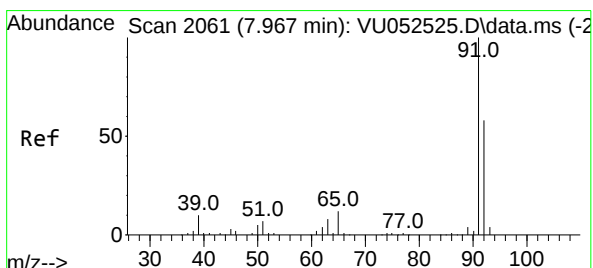
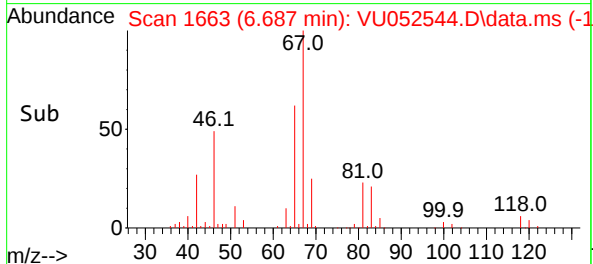
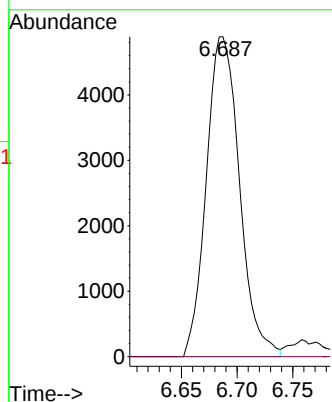
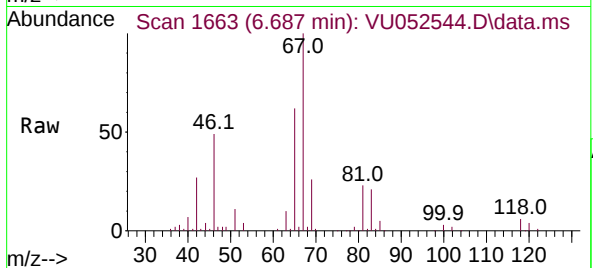
GBQD3

Tgt Ion: 63 Resp: 10143

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#42

Toluene

Concen: 4.914 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052544.D

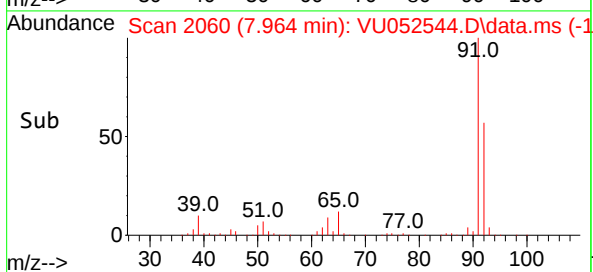
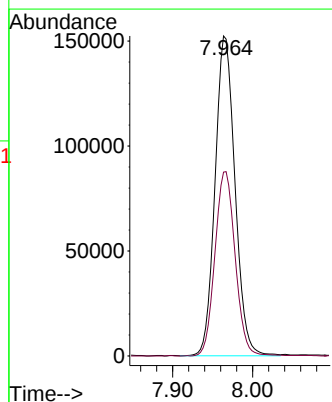
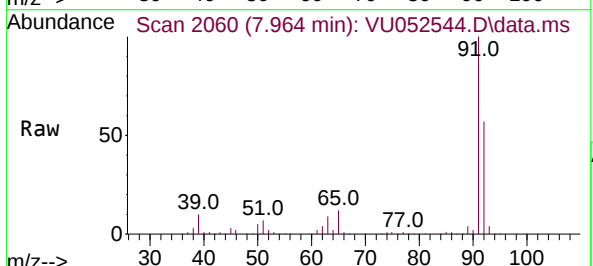
Acq: 23 Dec 2022 17:55

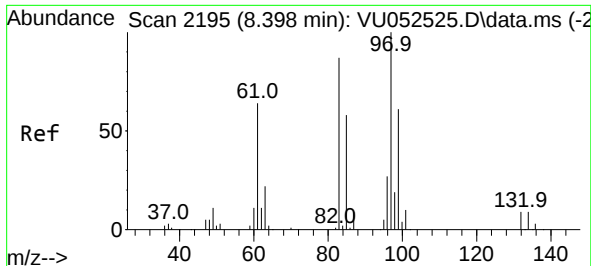
Tgt Ion: 91 Resp: 263412

Ion Ratio Lower Upper

91 100

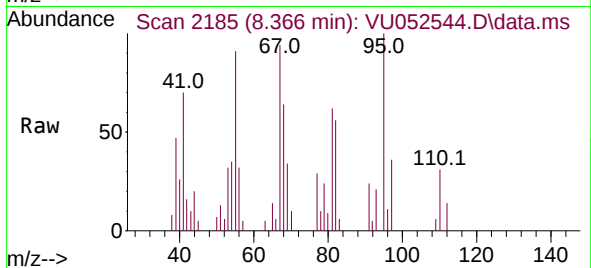
92 57.4 40.6 75.4



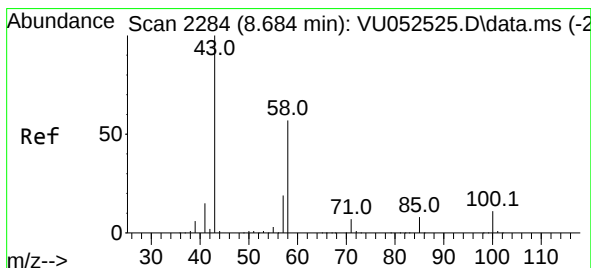
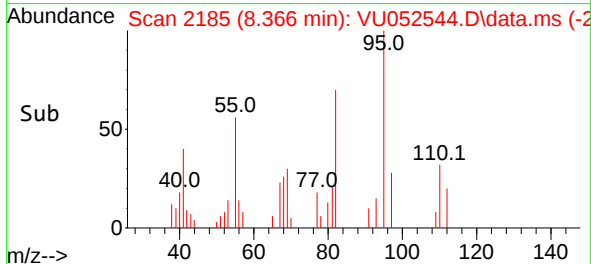
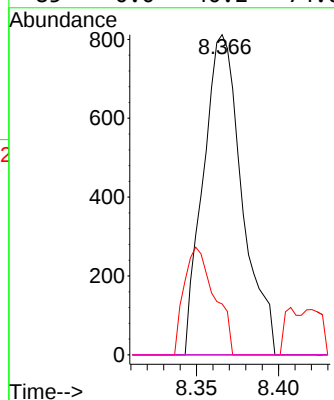


#45
1,1,2-Trichloroethane
Concen: 0.121 ug/L
RT: 8.366 min Scan# 2195
Delta R.T. -0.032 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Instrument :
MSVOA_U
ClientSampleId :
GBQD3

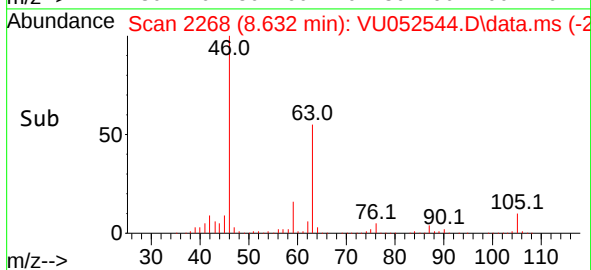
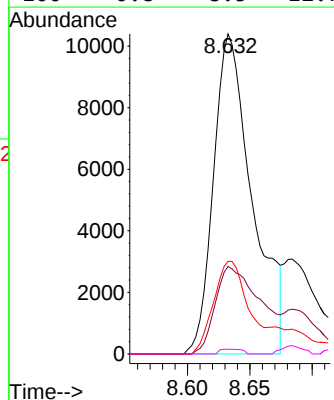
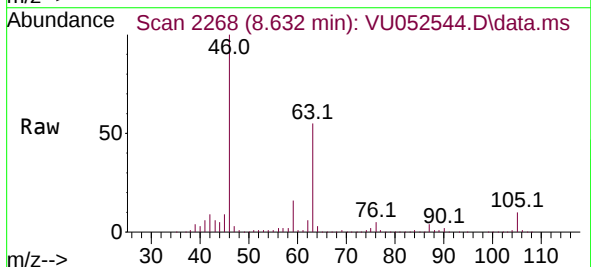


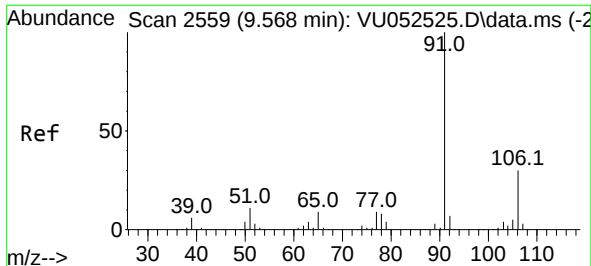
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.0	78.0#
83	15.9	63.2	117.4#
85	0.0	40.2	74.6#



#48
2-Hexanone
Concen: 2.619 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.051 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	44.1	66.1#
57	26.3	14.6	21.8#
100	0.8	8.5	12.7#

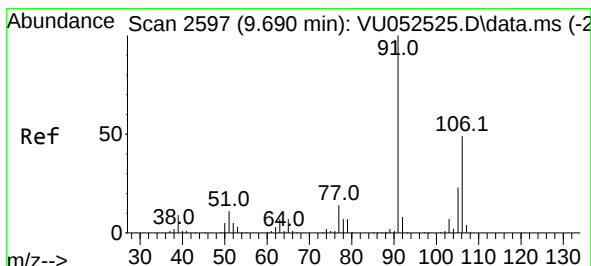
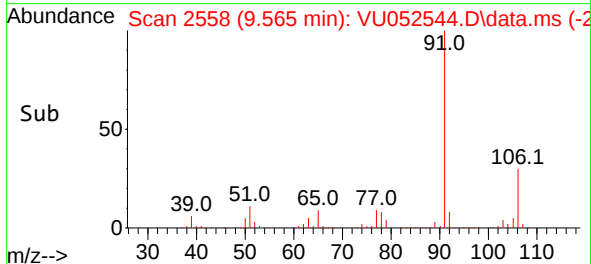
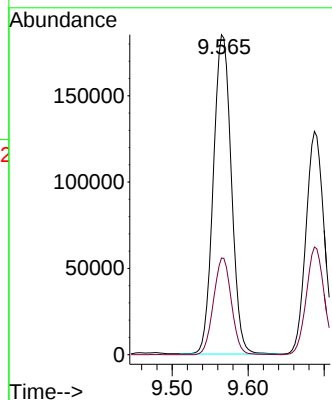
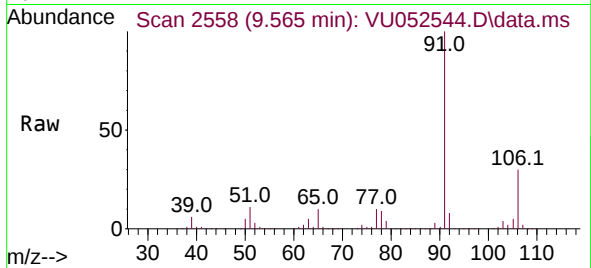




#52
Ethylbenzene
Concen: 5.490 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

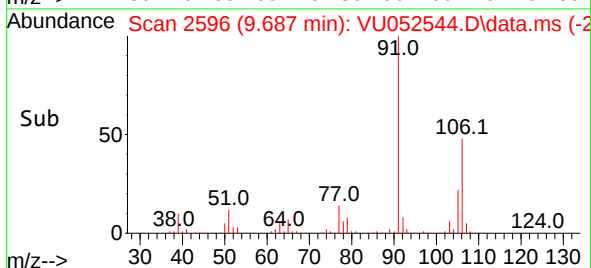
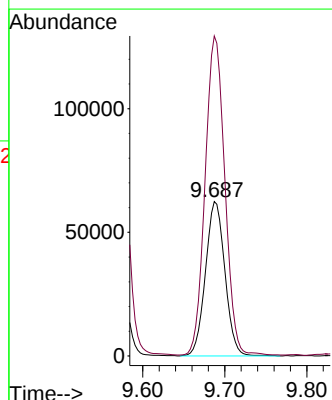
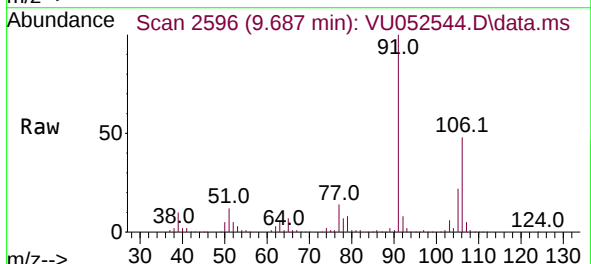
Instrument :
MSVOA_U
ClientSampleId :
GBQD3

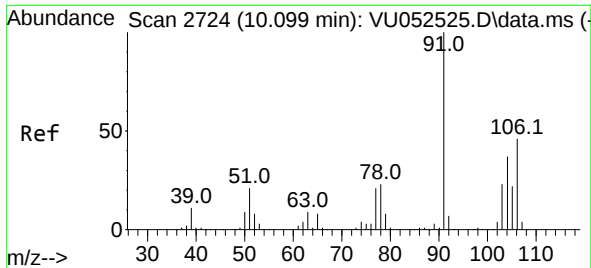
Tgt Ion: 91 Resp: 304582
Ion Ratio Lower Upper
91 100
106 30.2 20.9 38.7



#53
m,p-Xylene
Concen: 5.026 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion: 106 Resp: 102809
Ion Ratio Lower Upper
106 100
91 207.3 148.2 275.2

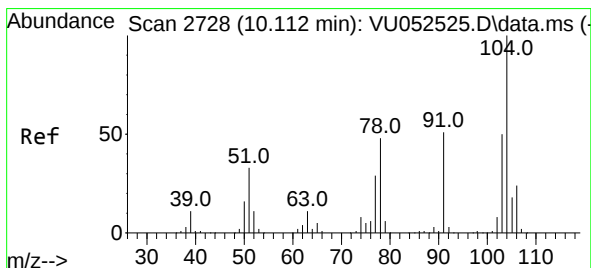
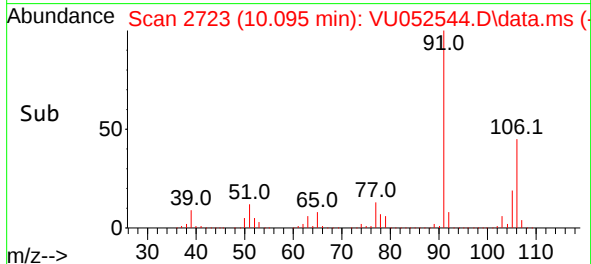
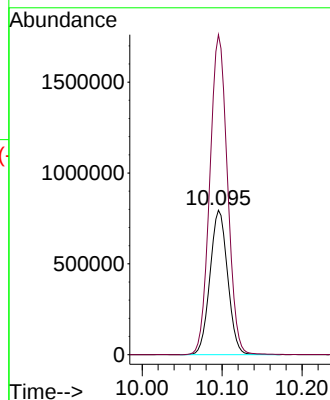
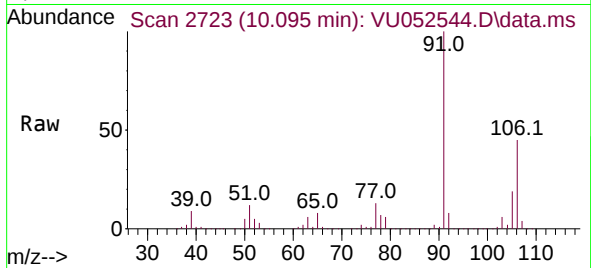




#54
o-Xylene
Concen: 62.142 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

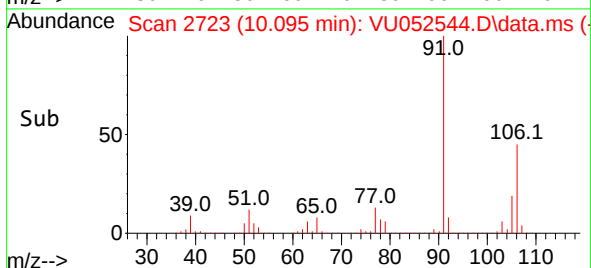
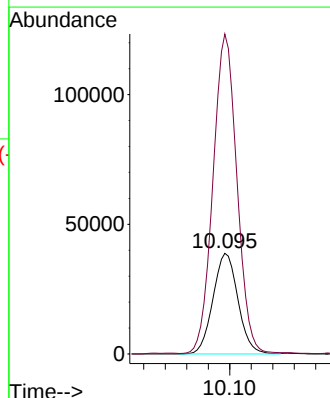
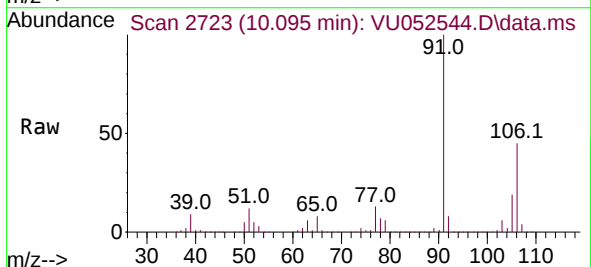
Instrument :
MSVOA_U
ClientSampleId :
GBQD3

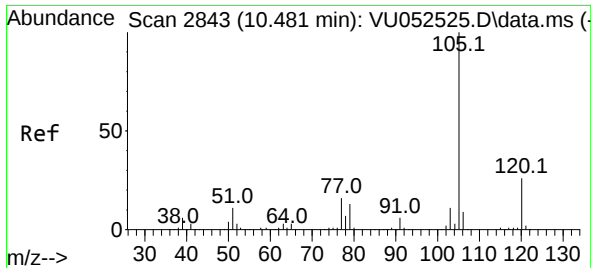
Tgt Ion:106 Resp: 1218637
Ion Ratio Lower Upper
106 100
91 221.5 153.2 284.4



#55
Styrene
Concen: 1.832 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.016 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion:104 Resp: 62516
Ion Ratio Lower Upper
104 100
78 317.9 33.4 62.0#

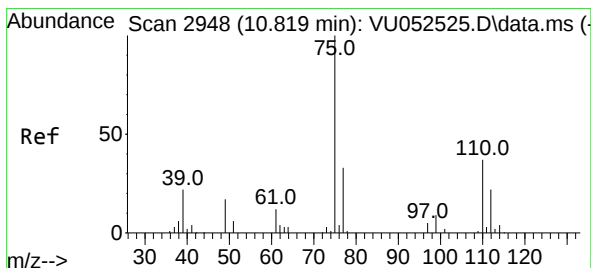
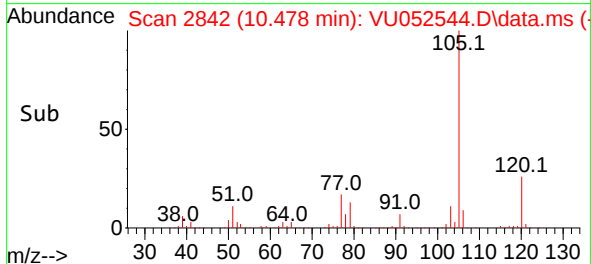
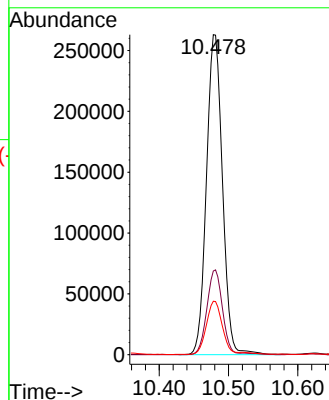
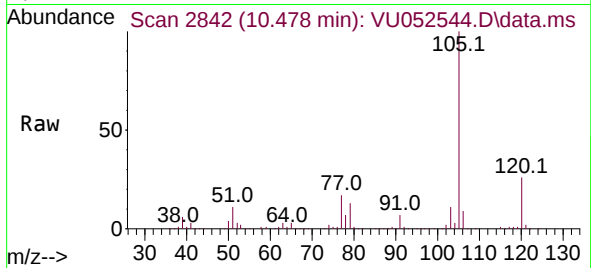




#60
Isopropylbenzene
Concen: 7.485 ug/L
RT: 10.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

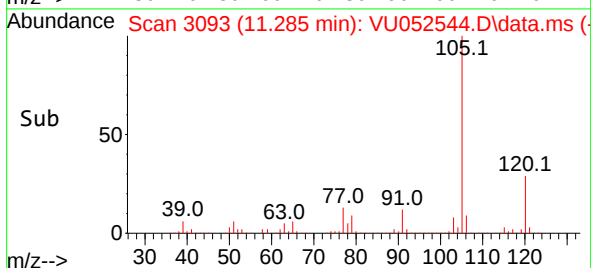
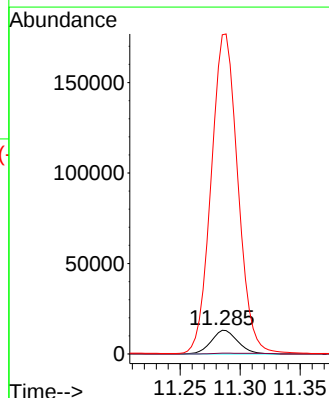
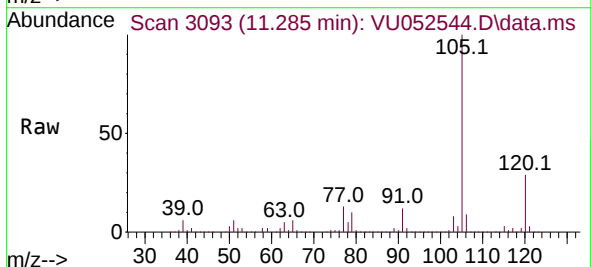
Instrument :
MSVOA_U
ClientSampleId :
GBQD3

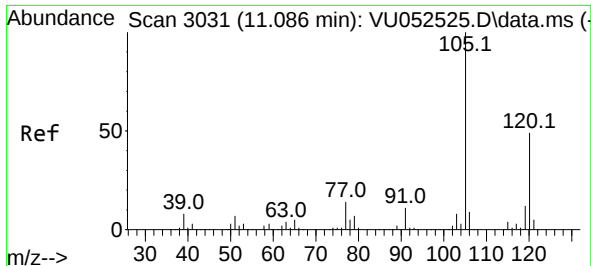
Tgt Ion:105 Resp: 421124
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 1.612 ug/L
RT: 11.285 min Scan# 3093
Delta R.T. 0.466 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion: 75 Resp: 20070
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 1363.7 25.9 38.9#





#62

1,3,5-Trimethylbenzene

Concen: 3.218 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052544.D

Acq: 23 Dec 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

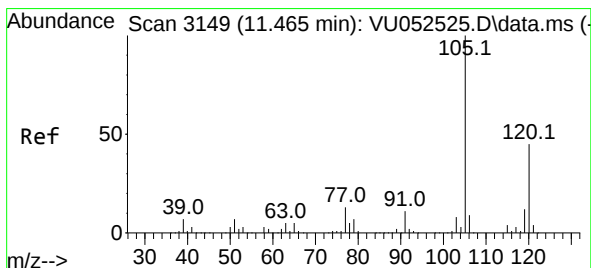
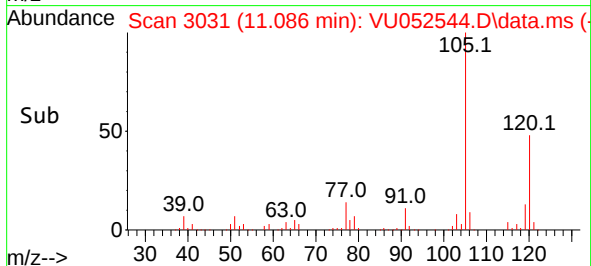
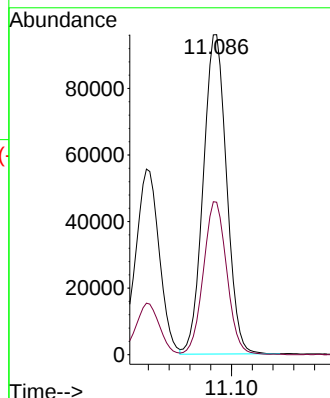
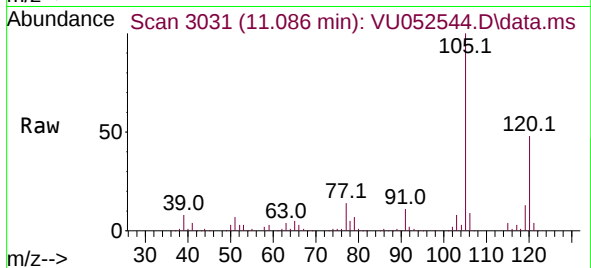
GBQD3

Tgt Ion:105 Resp: 149313

Ion Ratio Lower Upper

105 100

120 48.2 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 7.028 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052544.D

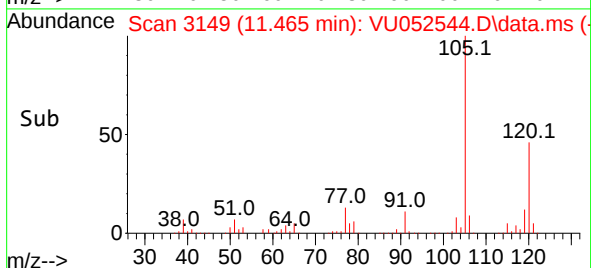
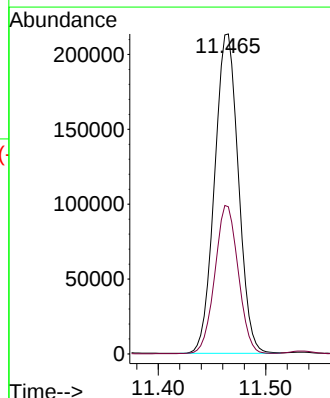
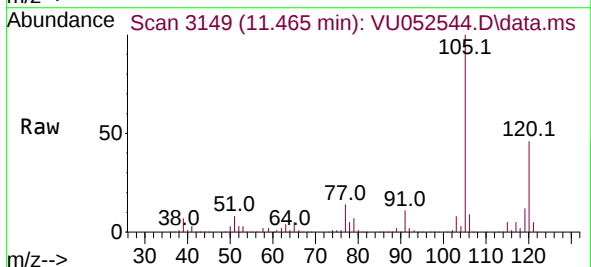
Acq: 23 Dec 2022 17:55

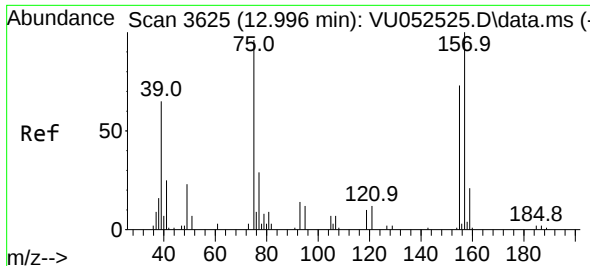
Tgt Ion:105 Resp: 328291

Ion Ratio Lower Upper

105 100

120 45.5 35.6 53.4

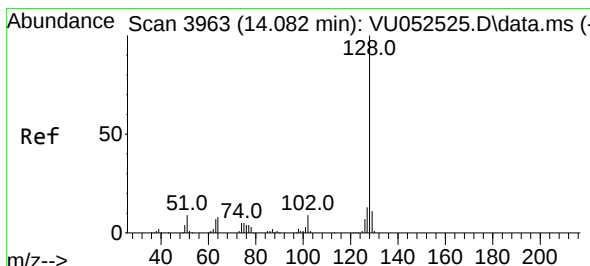
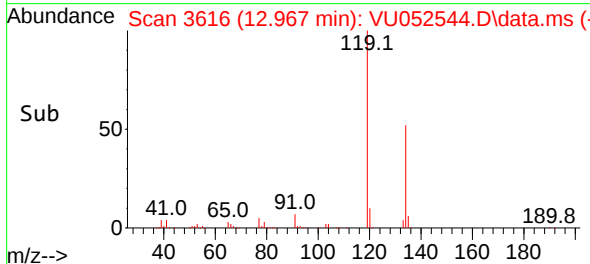
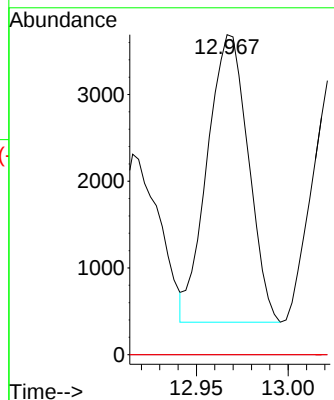
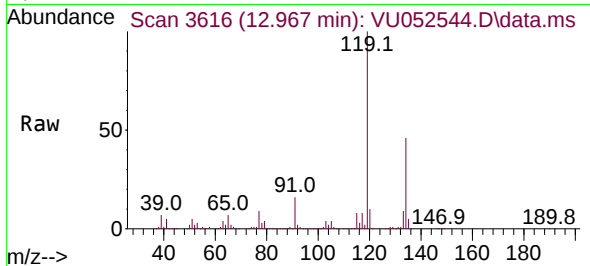




#68
1,2-Dibromo-3-chloropropane
Concen: 1.826 ug/L
RT: 12.967 min Scan# 3616
Delta R.T. -0.029 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Instrument :
MSVOA_U
ClientSampleId :
GBQD3

Tgt Ion: 75 Resp: 5146
Ion Ratio Lower Upper
75 100
155 0.0 62.2 93.2#
157 0.0 73.0 109.4#



#71
Naphthalene
Concen: 22.308 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052544.D
Acq: 23 Dec 2022 17:55

Tgt Ion:128 Resp: 780750
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 10.9 10.6 16.0

