

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052547.D
 Acq On : 23 Dec 2022 19:05
 Operator : JC/MD
 Sample : N6171-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD6

Quant Time: Dec 24 03:58:59 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	6.282	114	148571	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.439	117	146475	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.815	152	73129	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.639	65	56543	3.757	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.967	69	53899	4.152	ug/L	0.05
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.632	65	26889	4.151	ug/L	0.06
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.767	46	250915	53.757	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.520%
24) Chloroform-d	5.124	84	120260	4.735	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.729	65	83228	5.650	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.000%
32) Benzene-d6	5.738	84	223186	4.444	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.783	67	85158	4.926	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.947	98	216367	5.132	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	8.224	79	34332	5.800	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.000%
46) 2-Hexanone-d5	8.677	63	180839	55.839	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.680%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	80894	5.512	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	82716	5.556	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
					Qvalue	
13) Acetone	2.661	43	39905	11.597	ug/L	51
15) Methyl Acetate	3.115	43	338465	44.650	ug/L #	55
17) Methyl tert-butyl Ether	3.462	73	4074	0.137	ug/L #	1
18) trans-1,2-Dichloroethene	3.433	96	1645	0.143	ug/L	94
21) 2-Butanone	4.674	43	9546	1.884	ug/L #	54
22) cis-1,2-Dichloroethene	4.742	96	46039	3.658	ug/L	91
25) Chloroform	5.163	83	83858	3.470	ug/L #	22
27) 1,2-Dichloroethane	5.783	62	17618	1.055	ug/L #	1
30) Cyclohexane	5.410	56	514716	25.837	ug/L	96
33) Benzene	5.783	78	1637702	31.041	ug/L	100
34) Trichloroethene	6.648	95	8424	0.683	ug/L #	20
35) Methylcyclohexane	6.841	83	198748	10.686	ug/L	89
38) Bromodichloromethane	7.224	83	16617	0.927	ug/L #	25
39) cis-1,3-Dichloropropene	7.626	75	3006	0.161	ug/L #	1
42) Toluene	8.018	91	350783	6.934	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	17886	1.715	ug/L #	19
48) 2-Hexanone	8.677	43	24031	2.963	ug/L #	70
52) Ethylbenzene	9.590	91	1299222	24.818	ug/L	100
53) m,p-Xylene	9.713	106	887277	45.964	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052547.D
 Acq On : 23 Dec 2022 19:05
 Operator : JC/MD
 Sample : N6171-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD6

Quant Time: Dec 24 03:58:59 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

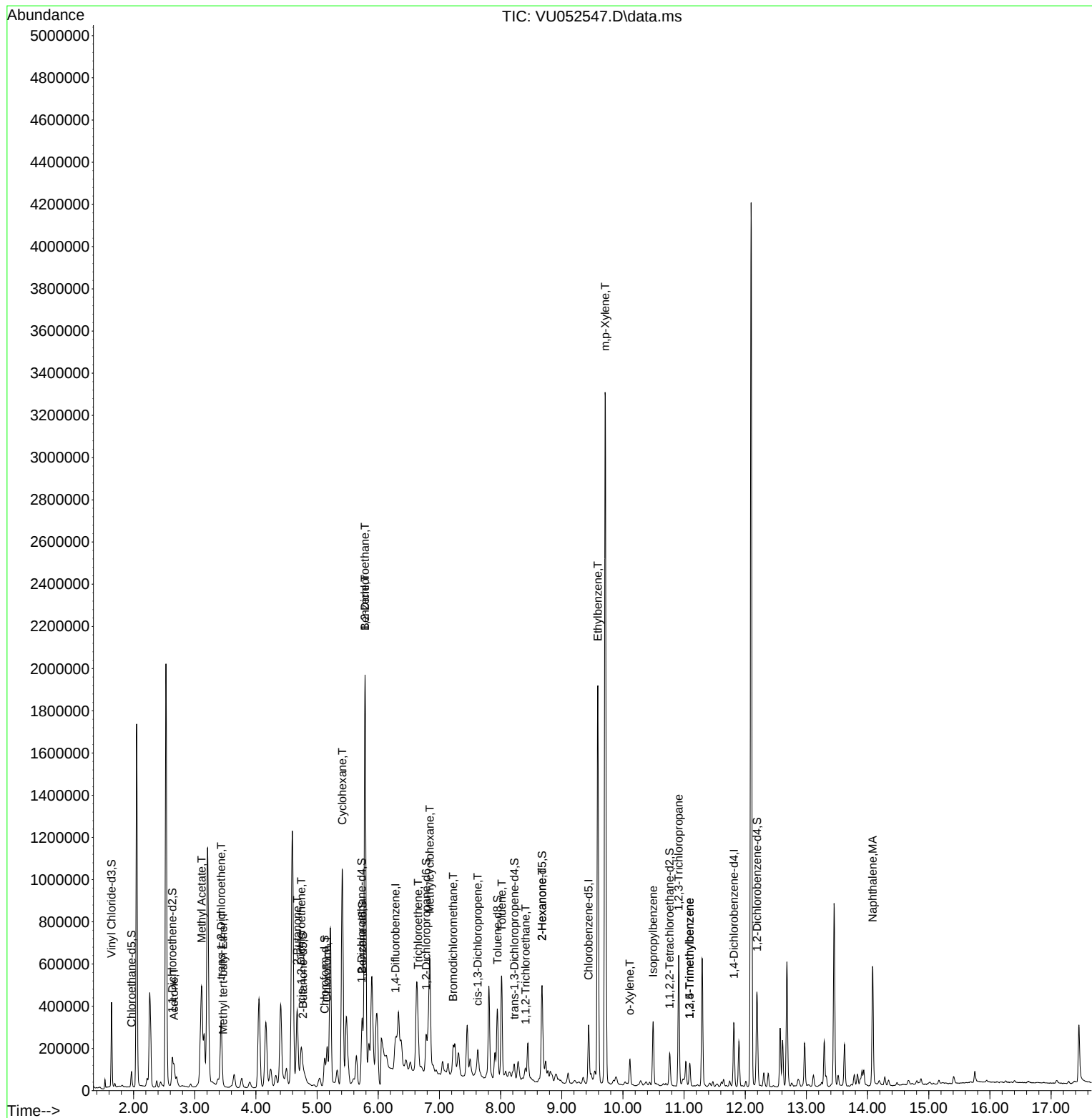
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.114	106	31259	1.689	ug/L	97
60) Isopropylbenzene	10.494	105	181979	3.839	ug/L	100
61) 1,2,3-Trichloropropane	10.912	75	3350	0.319	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.092	105	57242	1.464	ug/L	100
63) 1,2,4-Trimethylbenzene	11.092	105	57242	1.455	ug/L	95
71) Naphthalene	14.082	128	418987	14.211	ug/L	99

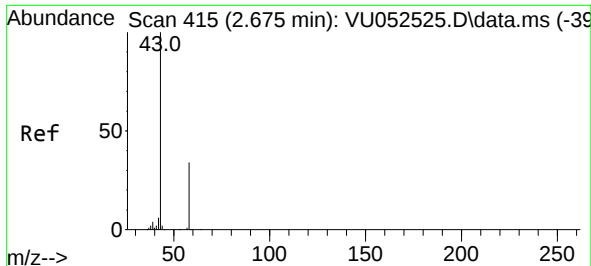
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052547.D
Acq On : 23 Dec 2022 19:05
Operator : JC/MD
Sample : N6171-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6

Quant Time: Dec 24 03:58:59 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

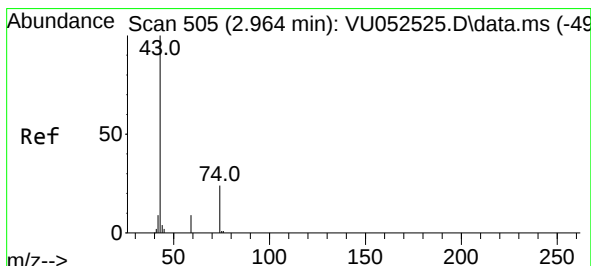
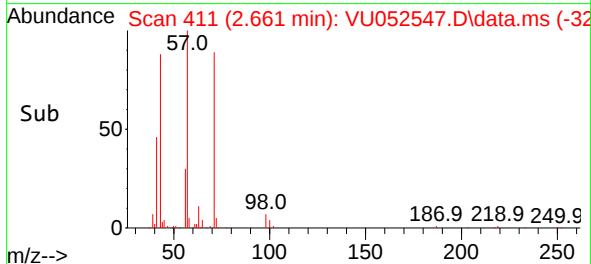
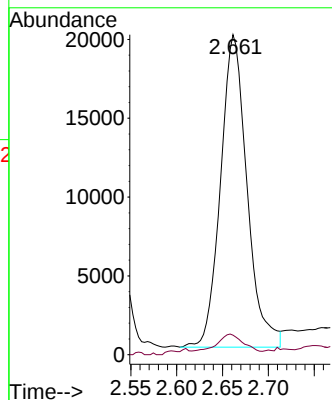
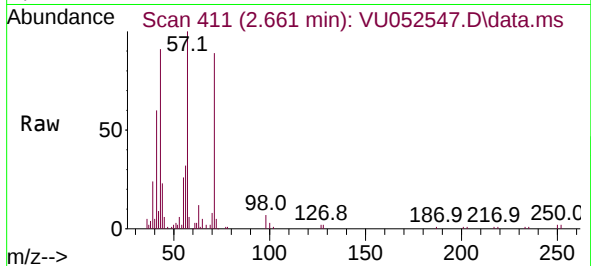




#13
Acetone
Concen: 11.597 ug/L
RT: 2.661 min Scan# 415
Delta R.T. -0.013 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

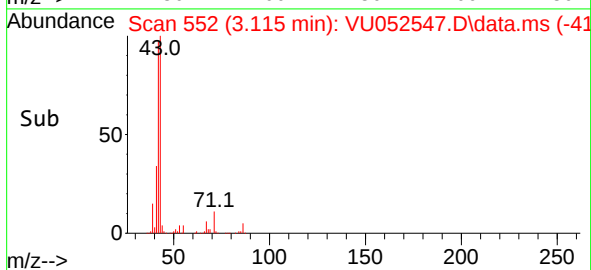
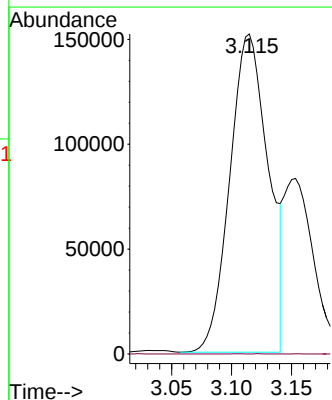
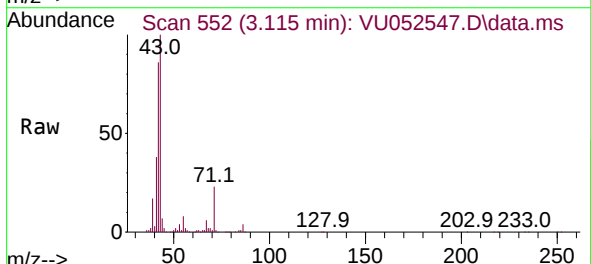
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

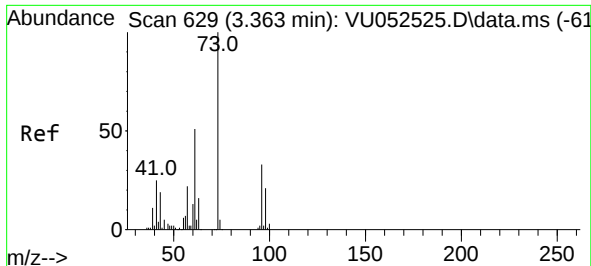
Tgt Ion: 43 Resp: 39905
Ion Ratio Lower Upper
43 100
58 5.3 0.0 65.4



#15
Methyl Acetate
Concen: 44.650 ug/L
RT: 3.115 min Scan# 552
Delta R.T. 0.151 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 43 Resp: 338465
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

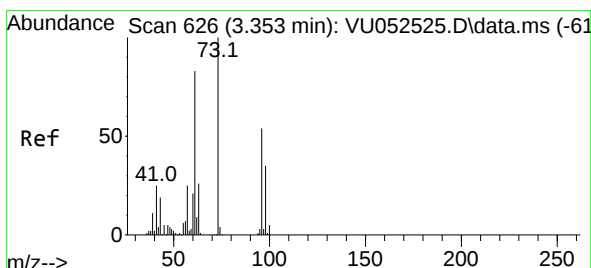
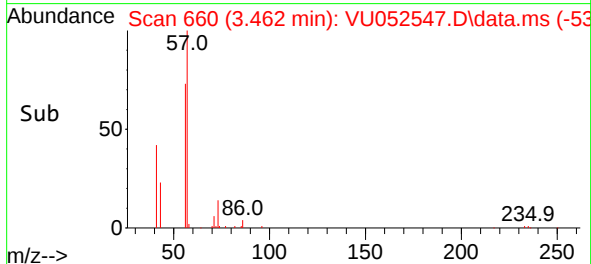
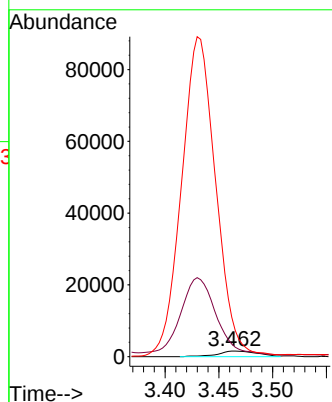
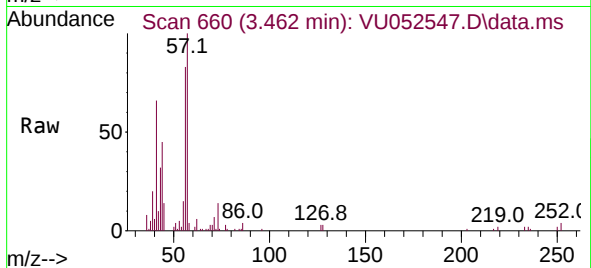




#17
Methyl tert-butyl Ether
Concen: 0.137 ug/L
RT: 3.462 min Scan# 611
Delta R.T. 0.099 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

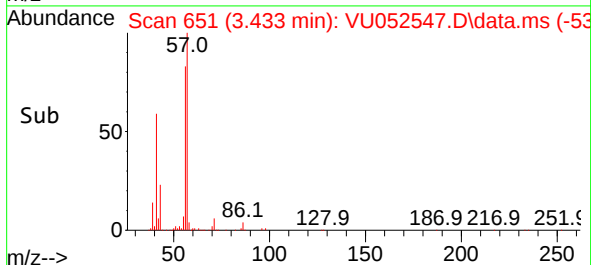
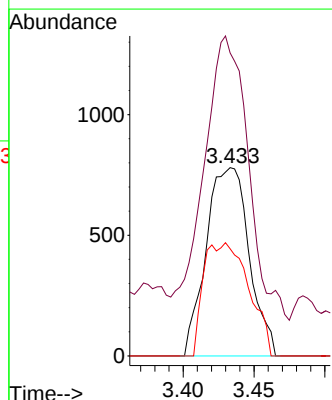
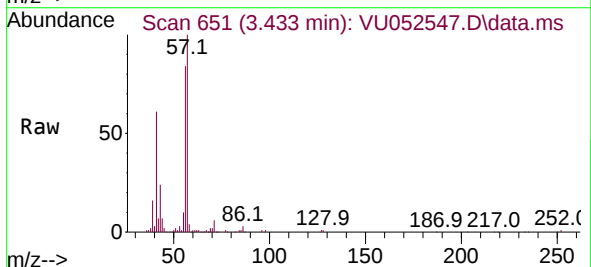
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

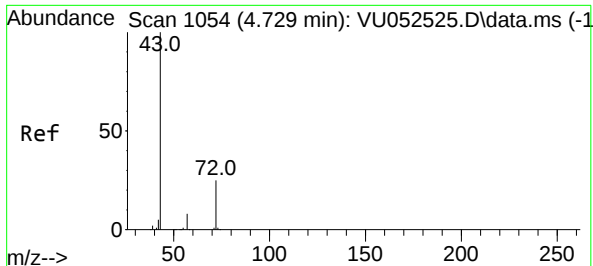
Tgt Ion: 73 Resp: 4074
Ion Ratio Lower Upper
73 100
43 1226.0 16.1 24.1#
57 4829.8 19.2 28.8#



#18
trans-1,2-Dichloroethene
Concen: 0.143 ug/L
RT: 3.433 min Scan# 651
Delta R.T. 0.080 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 96 Resp: 1645
Ion Ratio Lower Upper
96 100
61 161.0 108.3 201.1
98 56.9 44.0 81.6

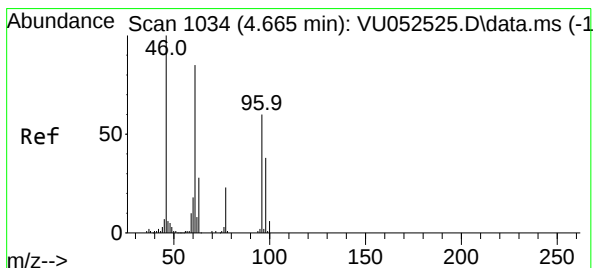
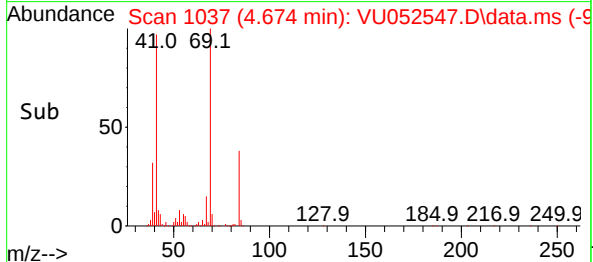
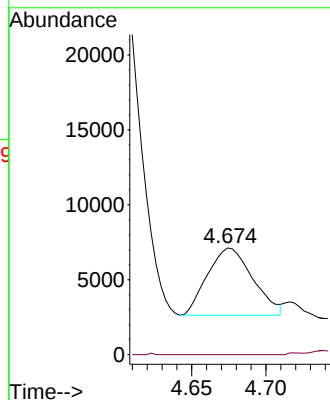
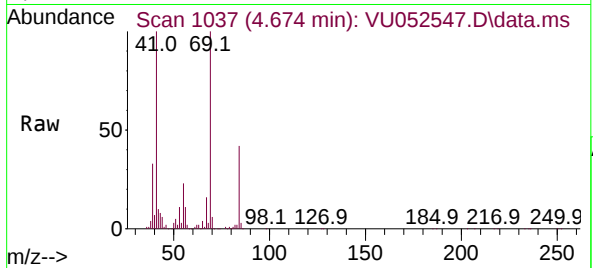




#21
2-Butanone
Concen: 1.884 ug/L
RT: 4.674 min Scan# 1054
Delta R.T. -0.055 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

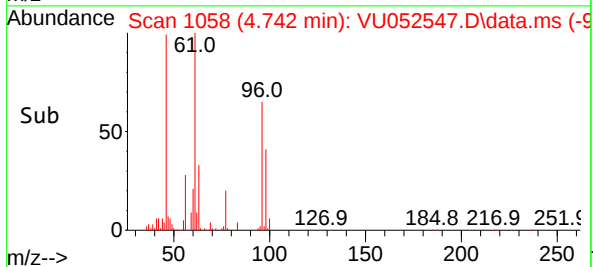
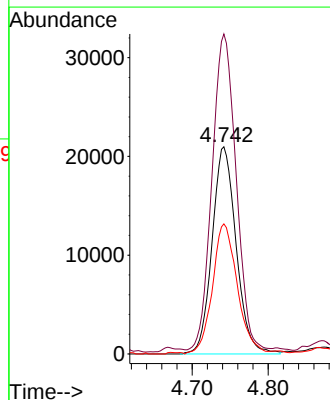
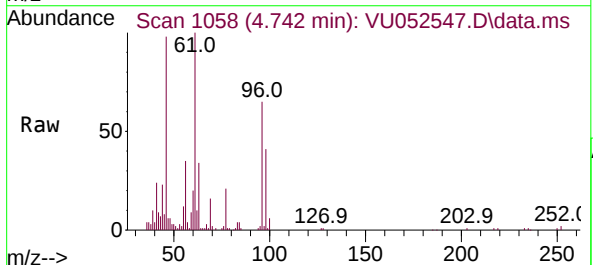
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

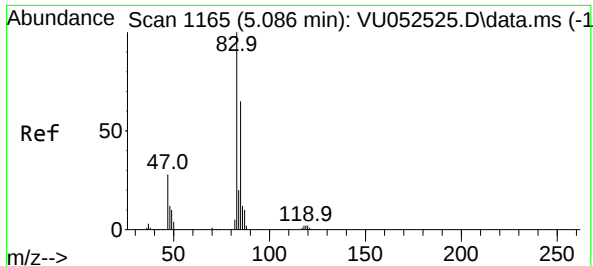
Tgt Ion: 43 Resp: 9546
Ion Ratio Lower Upper
43 100
72 0.9 11.6 34.7#



#22
cis-1,2-Dichloroethene
Concen: 3.658 ug/L
RT: 4.742 min Scan# 1058
Delta R.T. 0.077 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 96 Resp: 46039
Ion Ratio Lower Upper
96 100
61 154.4 96.9 180.1
98 62.7 44.7 83.1





#25

Chloroform

Concen: 3.470 ug/L

RT: 5.163 min Scan# 1165

Delta R.T. 0.077 min

Lab File: VU052547.D

Acq: 23 Dec 2022 19:05

Instrument :

MSVOA_U

ClientSampleId :

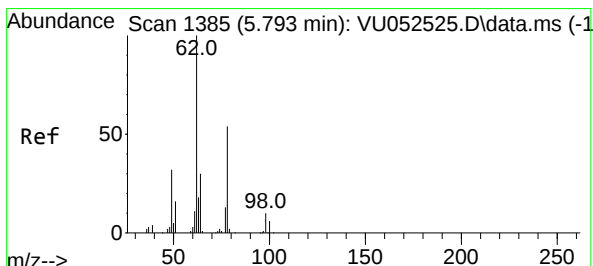
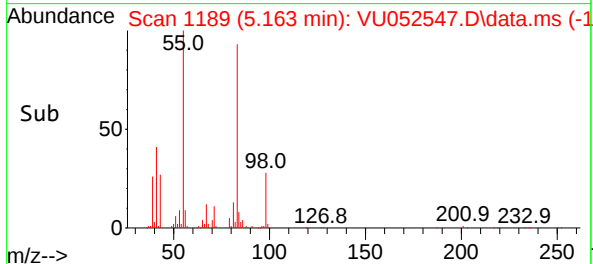
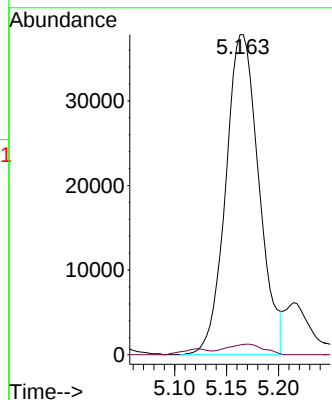
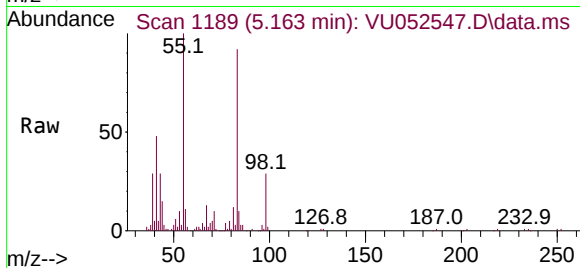
GBQD6

Tgt Ion: 83 Resp: 83858

Ion Ratio Lower Upper

83 100

85 3.0 44.7 83.1#



#27

1,2-Dichloroethane

Concen: 1.055 ug/L

RT: 5.783 min Scan# 1382

Delta R.T. -0.010 min

Lab File: VU052547.D

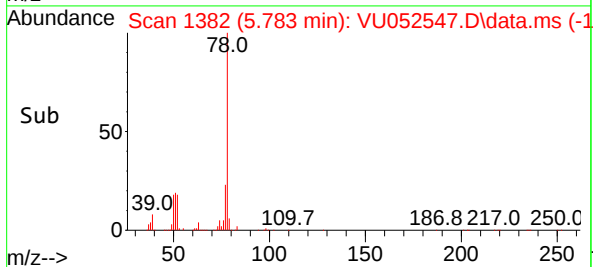
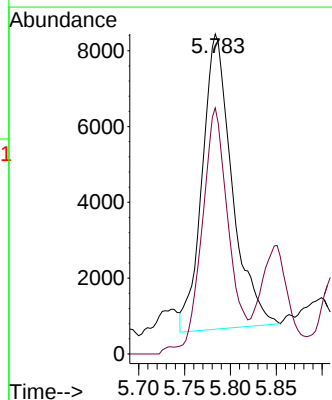
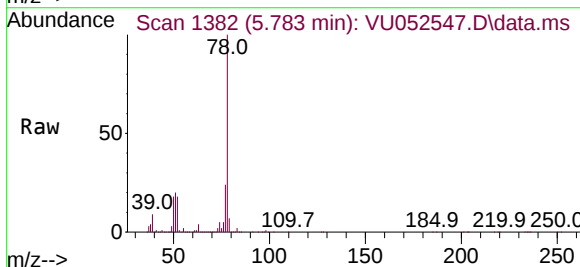
Acq: 23 Dec 2022 19:05

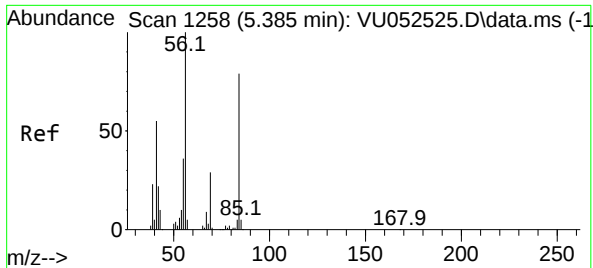
Tgt Ion: 62 Resp: 17618

Ion Ratio Lower Upper

62 100

98 76.9 7.4 11.2#

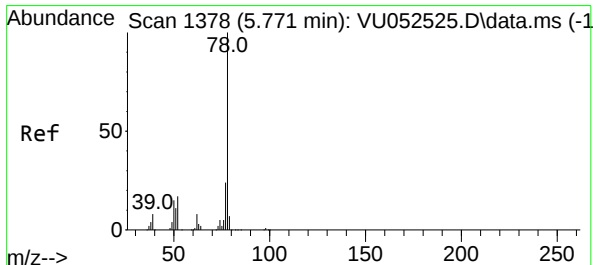
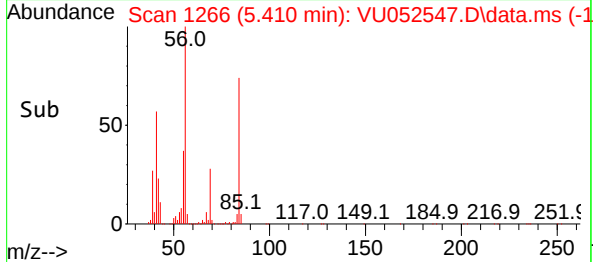
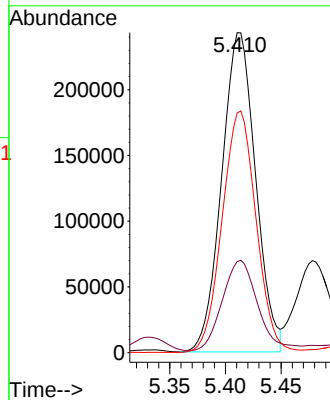
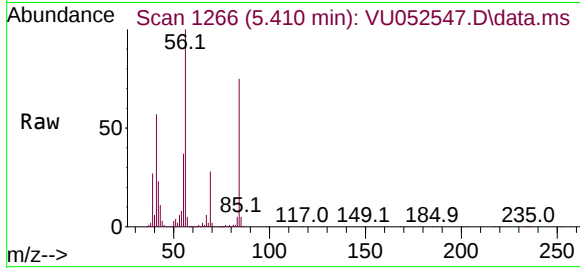




#30
Cyclohexane
Concen: 25.837 ug/L
RT: 5.410 min Scan# 11
Delta R.T. 0.025 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

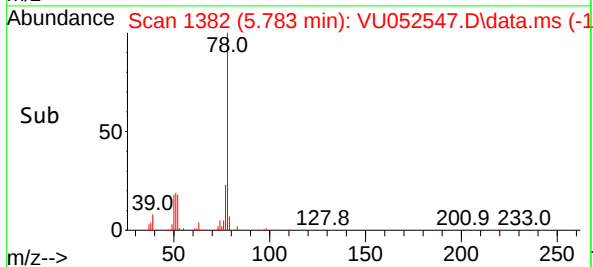
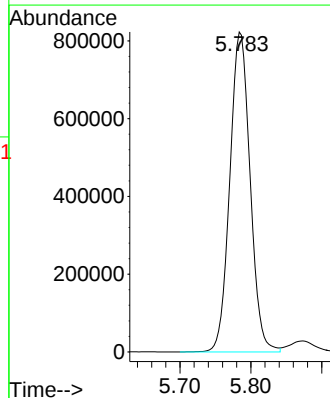
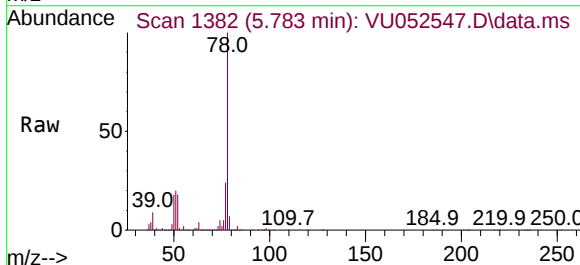
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

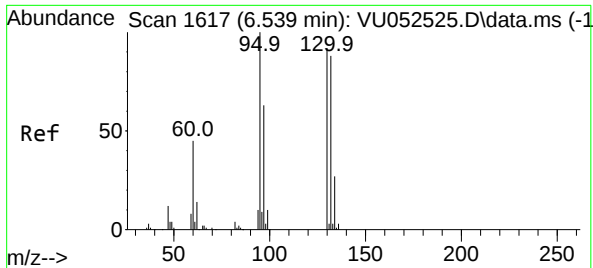
Tgt Ion: 56 Resp: 514716
Ion Ratio Lower Upper
56 100
69 29.5 23.0 34.6
84 75.8 64.4 96.6



#33
Benzene
Concen: 31.041 ug/L
RT: 5.783 min Scan# 1382
Delta R.T. 0.013 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 78 Resp: 1637702

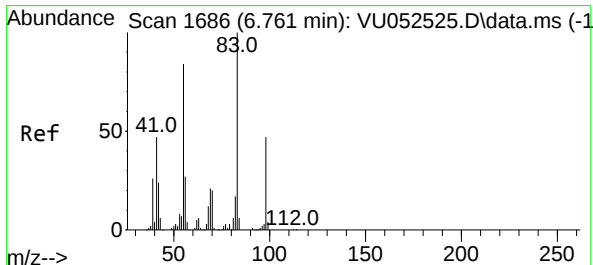
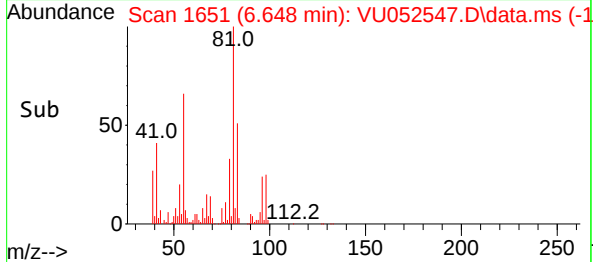
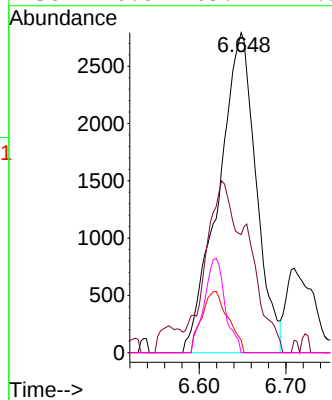
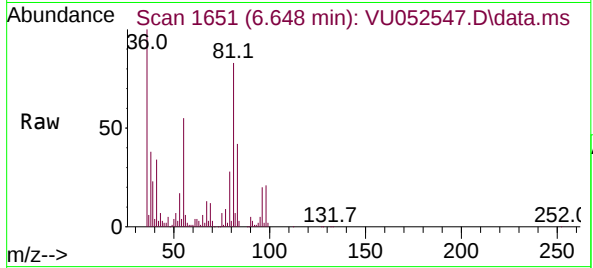




#34
Trichloroethene
Concen: 0.683 ug/L
RT: 6.648 min Scan# 1710
Delta R.T. 0.109 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

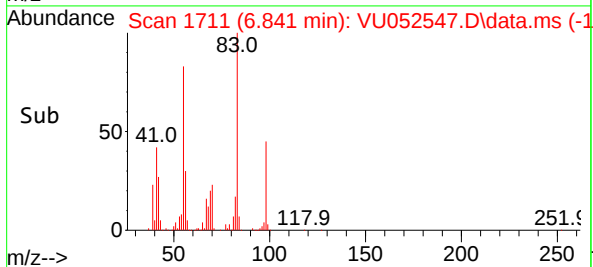
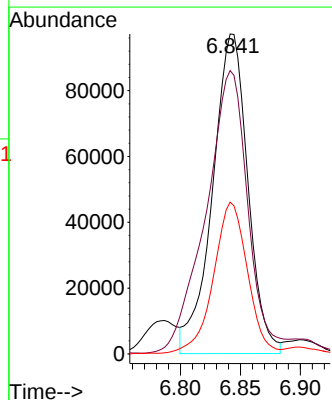
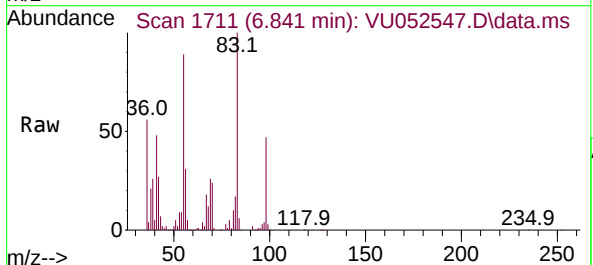
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

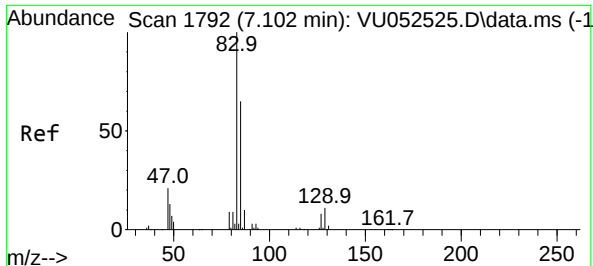
Tgt Ion: 95 Resp: 8424
Ion Ratio Lower Upper
95 100
97 36.9 46.3 86.1#
132 3.9 63.9 118.7#
130 0.0 65.9 122.5#



#35
Methylcyclohexane
Concen: 10.686 ug/L
RT: 6.841 min Scan# 1711
Delta R.T. 0.080 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 83 Resp: 198748
Ion Ratio Lower Upper
83 100
55 104.9 71.4 107.0
98 45.5 36.5 54.7





#38

Bromodichloromethane

Concen: 0.927 ug/L

RT: 7.224 min Scan# 1

Delta R.T. 0.122 min

Lab File: VU052547.D

Acq: 23 Dec 2022 19:05

Instrument :

MSVOA_U

ClientSampleId :

GBQD6

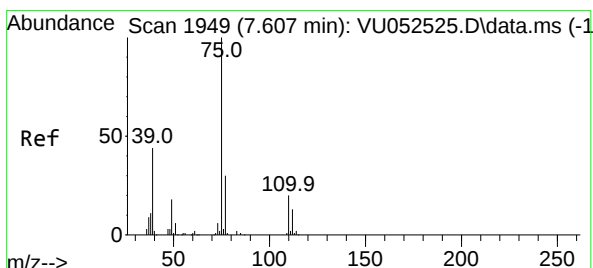
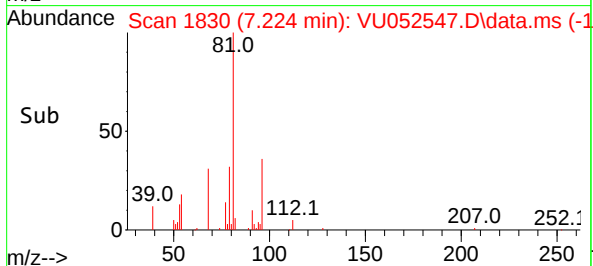
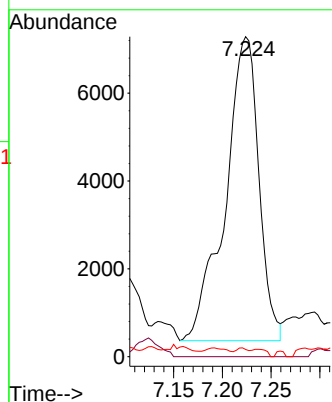
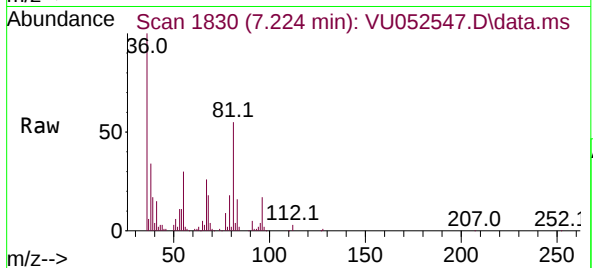
Tgt Ion: 83 Resp: 16617

Ion Ratio Lower Upper

83 100

85 0.0 45.2 84.0#

127 2.2 5.8 8.6#



#39

cis-1,3-Dichloropropene

Concen: 0.161 ug/L

RT: 7.626 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VU052547.D

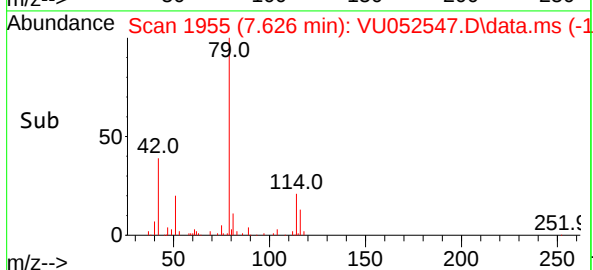
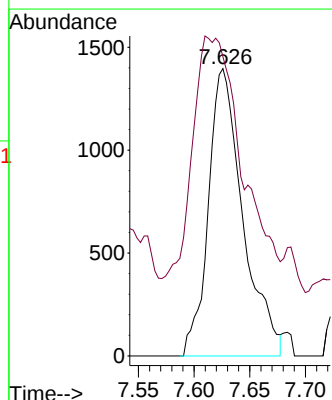
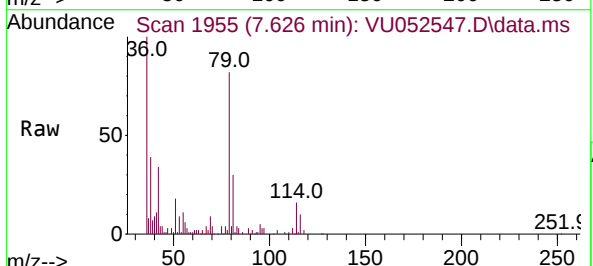
Acq: 23 Dec 2022 19:05

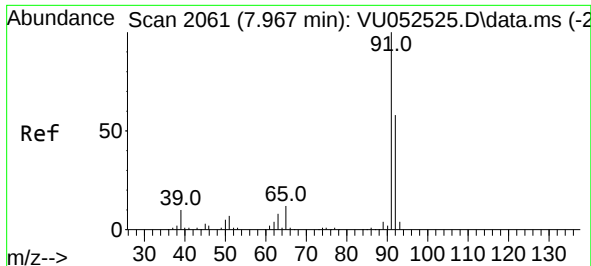
Tgt Ion: 75 Resp: 3006

Ion Ratio Lower Upper

75 100

77 104.2 22.0 41.0#





#42

Toluene

Concen: 6.934 ug/L

RT: 8.018 min Scan# 2061

Delta R.T. 0.051 min

Lab File: VU052547.D

Acq: 23 Dec 2022 19:05

Instrument :

MSVOA_U

ClientSampleId :

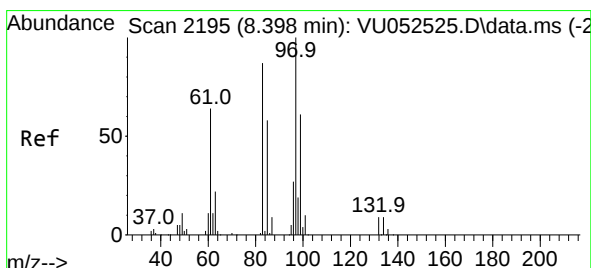
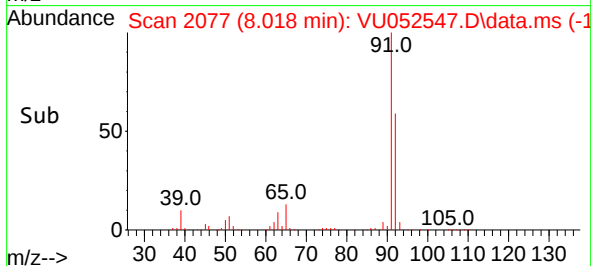
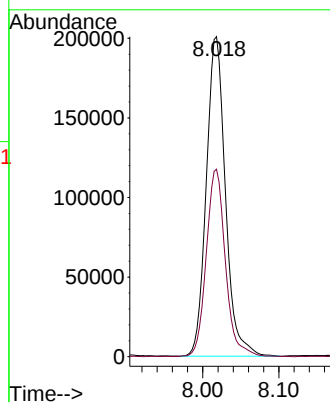
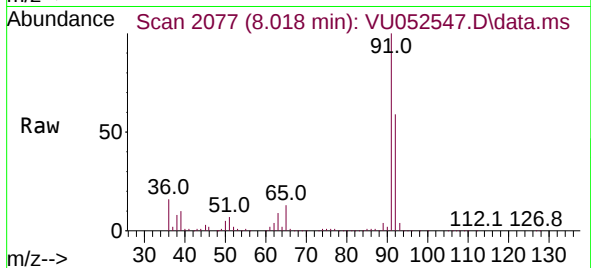
GBQD6

Tgt Ion: 91 Resp: 350783

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



#45

1,1,2-Trichloroethane

Concen: 1.715 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. 0.009 min

Lab File: VU052547.D

Acq: 23 Dec 2022 19:05

Tgt Ion: 97 Resp: 17886

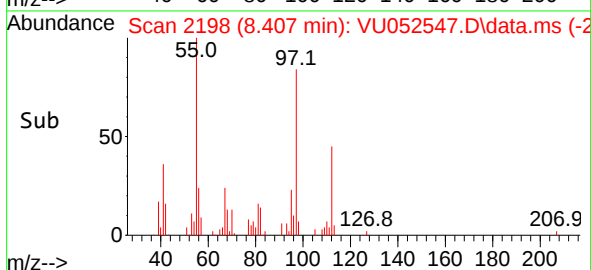
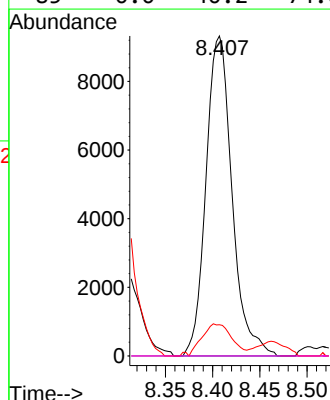
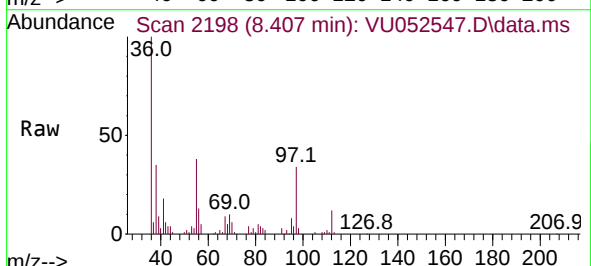
Ion Ratio Lower Upper

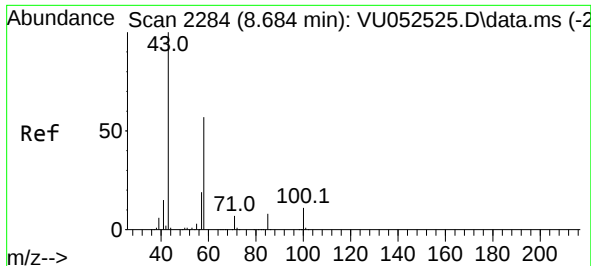
97 100

99 0.0 42.0 78.0#

83 9.7 63.2 117.4#

85 0.0 40.2 74.6#





#48

2-Hexanone

Concen: 2.963 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.007 min

Lab File: VU052547.D

Acq: 23 Dec 2022 19:05

Instrument :

MSVOA_U

ClientSampleId :

GBQD6

Tgt Ion: 43 Resp: 24031

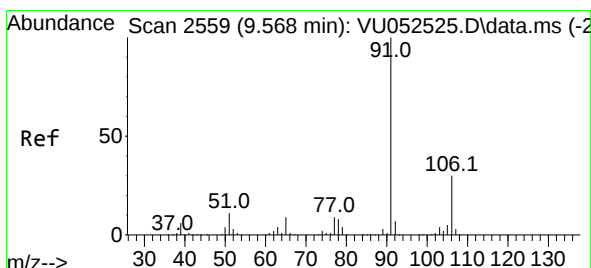
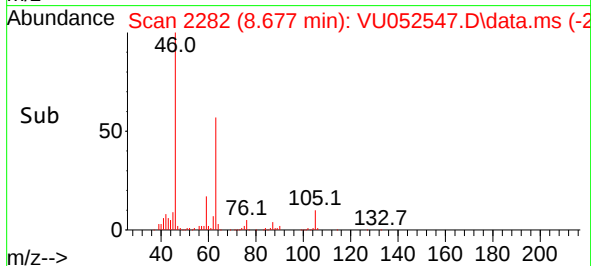
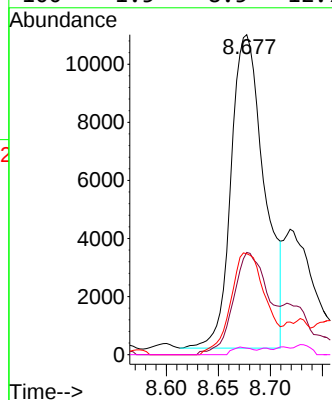
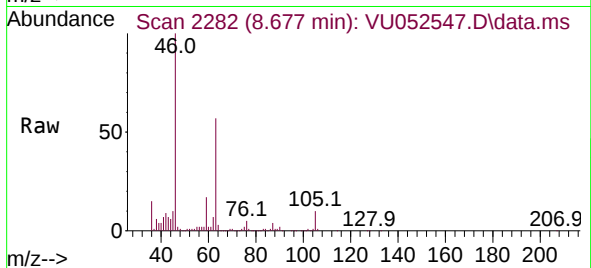
Ion Ratio Lower Upper

43 100

58 34.5 44.1 66.1#

57 34.0 14.6 21.8#

100 1.5 8.5 12.7#



#52

Ethylbenzene

Concen: 24.818 ug/L

RT: 9.590 min Scan# 2566

Delta R.T. 0.022 min

Lab File: VU052547.D

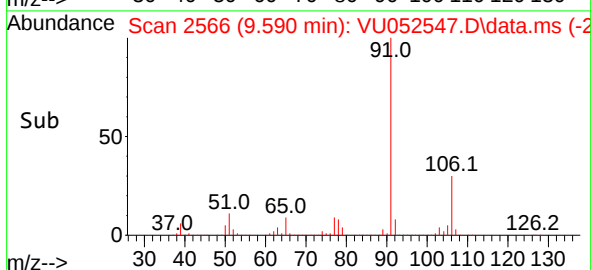
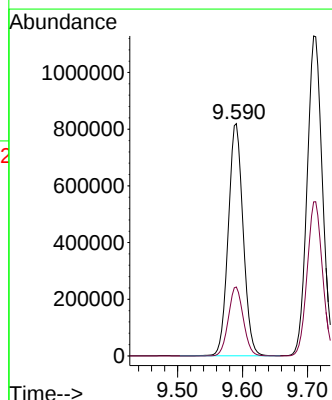
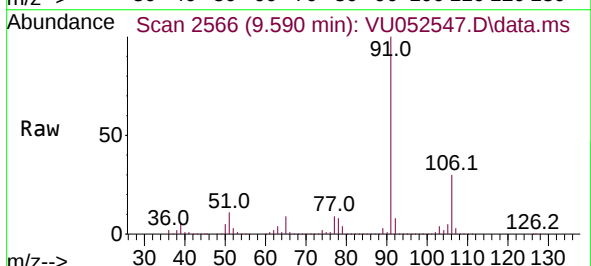
Acq: 23 Dec 2022 19:05

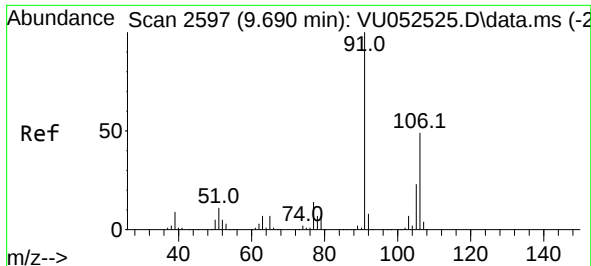
Tgt Ion: 91 Resp: 1299222

Ion Ratio Lower Upper

91 100

106 29.7 20.9 38.7

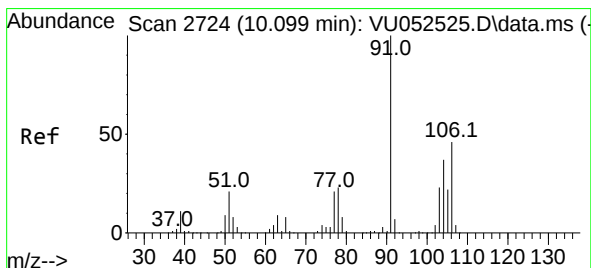
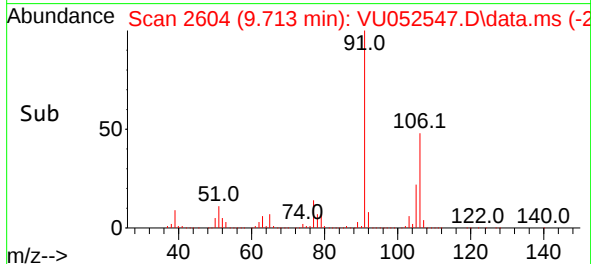
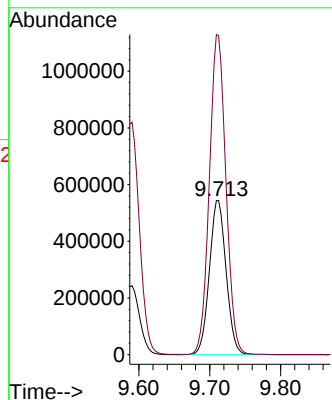
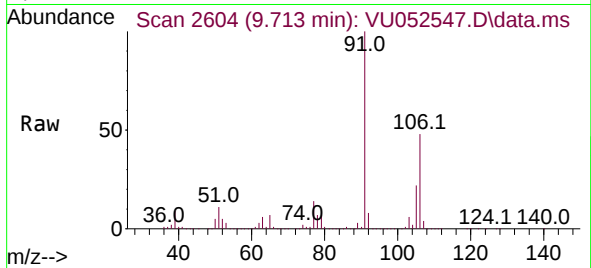




#53
m,p-Xylene
Concen: 45.964 ug/L
RT: 9.713 min Scan# 2604
Delta R.T. 0.022 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

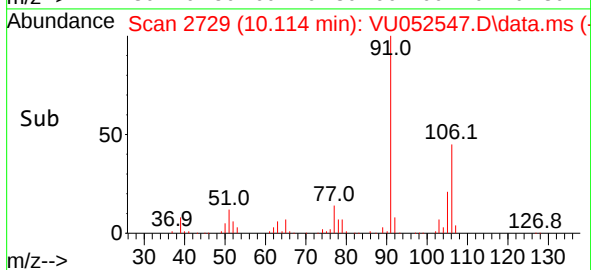
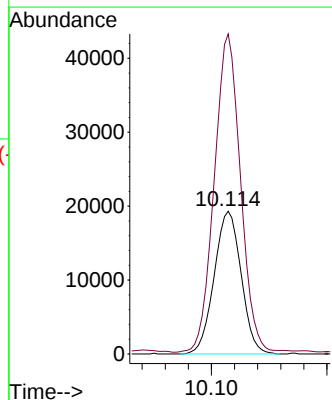
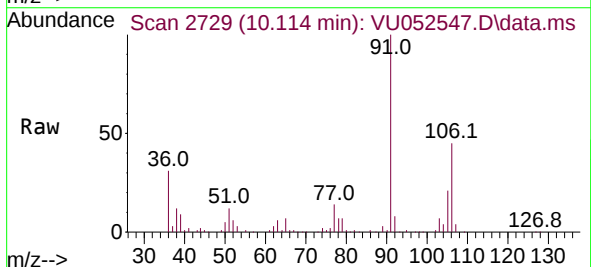
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

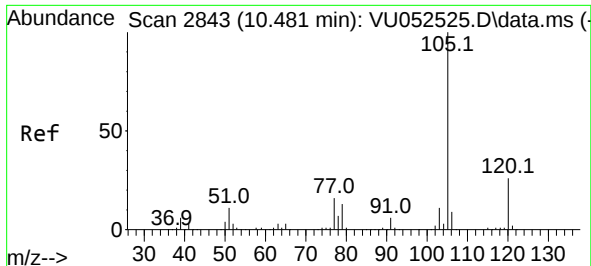
Tgt Ion:106 Resp: 887277
Ion Ratio Lower Upper
106 100
91 206.9 148.2 275.2



#54
o-Xylene
Concen: 1.689 ug/L
RT: 10.114 min Scan# 2729
Delta R.T. 0.016 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion:106 Resp: 31259
Ion Ratio Lower Upper
106 100
91 224.2 153.2 284.4

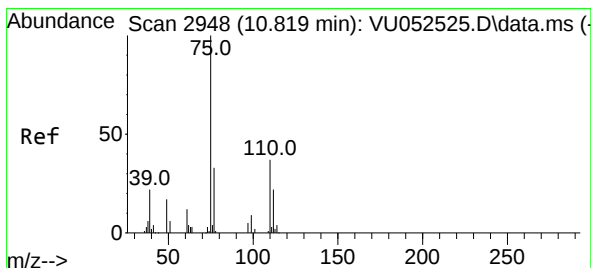
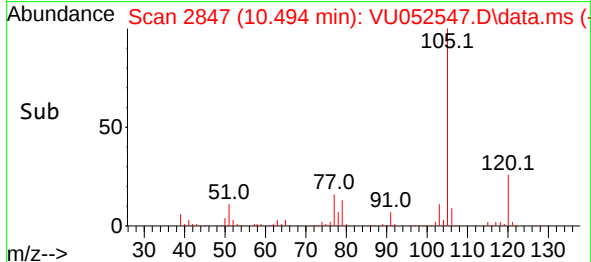
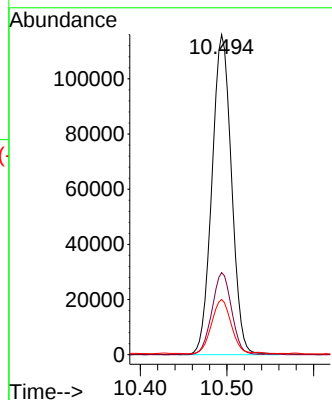
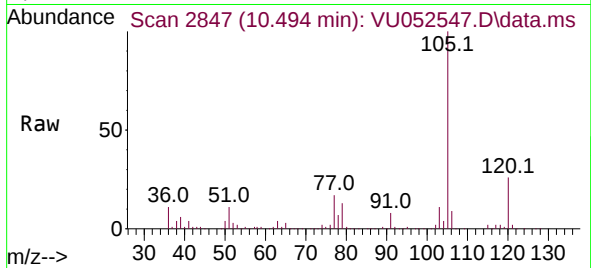




#60
Isopropylbenzene
Concen: 3.839 ug/L
RT: 10.494 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

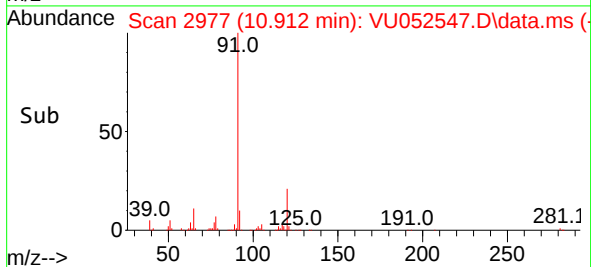
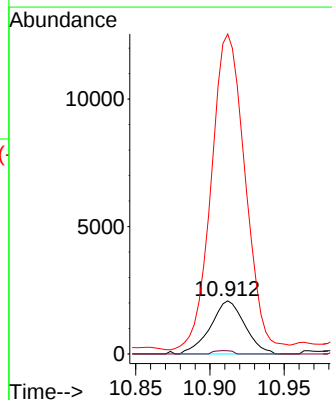
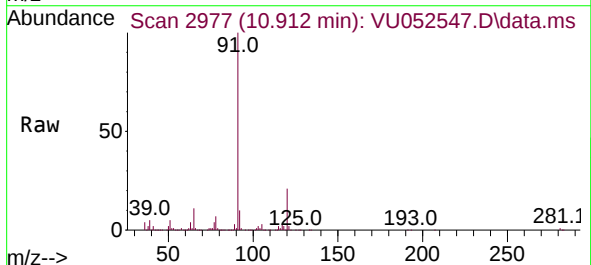
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

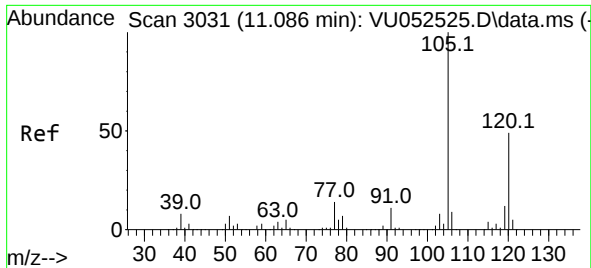
Tgt Ion:105 Resp: 181979
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 16.9 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.319 ug/L
RT: 10.912 min Scan# 2977
Delta R.T. 0.093 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Tgt Ion: 75 Resp: 3350
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 586.2 25.9 38.9#

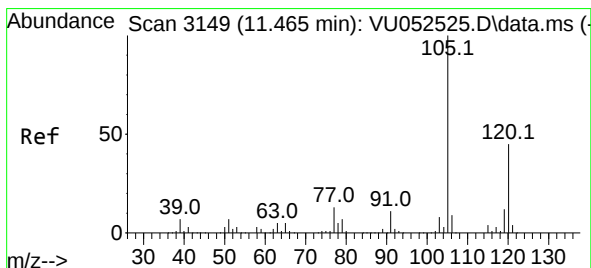
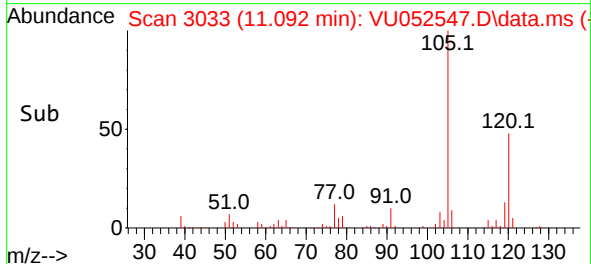
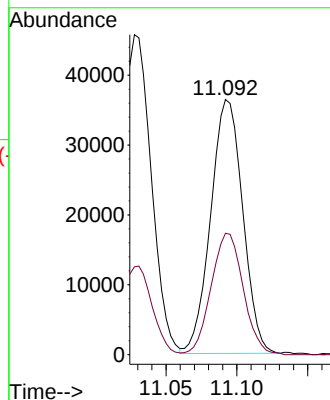
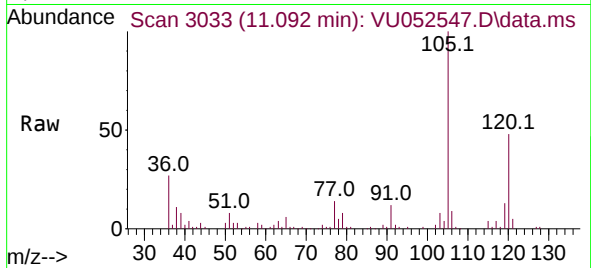




#62
1,3,5-Trimethylbenzene
Concen: 1.464 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.006 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

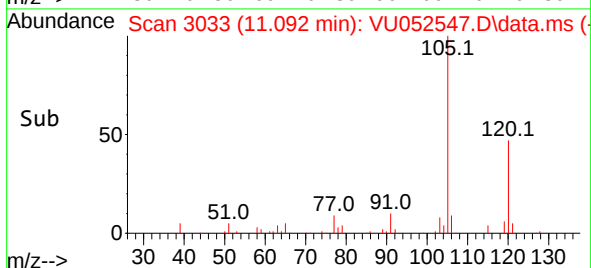
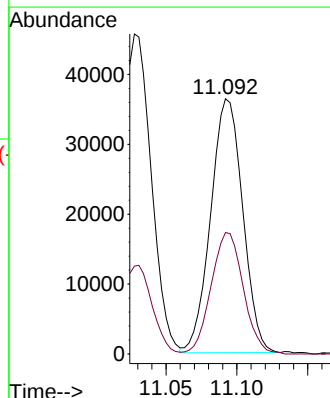
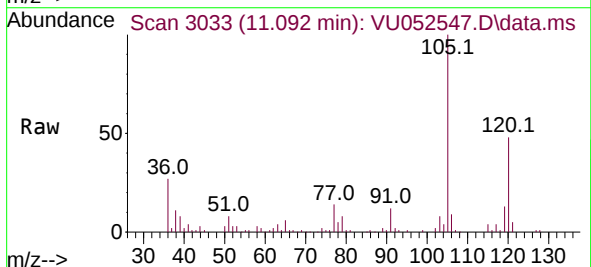
Instrument :
MSVOA_U
ClientSampleId :
GBQD6

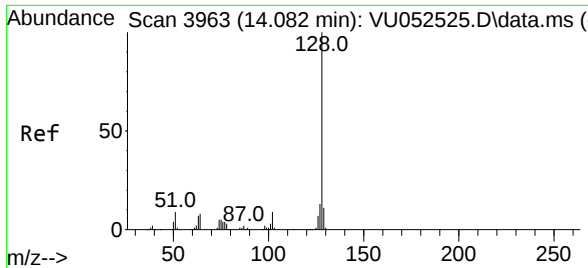
Tgt Ion:105 Resp: 57242
Ion Ratio Lower Upper
105 100
120 47.9 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 1.455 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.373 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

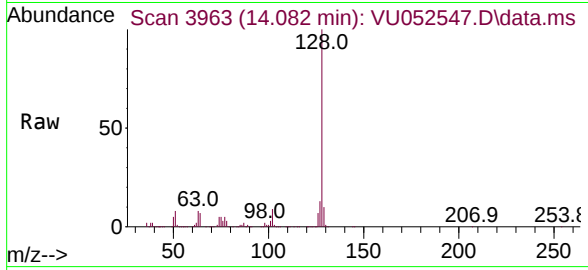
Tgt Ion:105 Resp: 57242
Ion Ratio Lower Upper
105 100
120 47.9 35.6 53.4





#71
Naphthalene
Concen: 14.211 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052547.D
Acq: 23 Dec 2022 19:05

Instrument :
MSVOA_U
ClientSampleId :
GBQD6



Tgt Ion:128 Resp: 418987

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.8	10.6	16.0

