

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049039.D
 Acq On : 11 Jun 2022 08:20
 Operator : SY/MD
 Sample : N3248-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY9

Quant Time: Jun 11 09:43:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	382	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.407	117	91	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	777	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.838	65	44	18.697	ug/L	0.24
Spiked Amount	50.000	Range	60 - 135	Recovery	=	37.400%#
7) Chloroethane-d5	2.080	69	1171	677.707	ug/L	0.18
Spiked Amount	50.000	Range	70 - 130	Recovery	=	1355.420%#
11) 1,1-Dichloroethene-d2	2.578	63	10030	2258.718	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	4517.440%#
21) 2-Butanone-d5	4.649	46	46	17.829	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	17.830%#
24) Chloroform-d	0.000	84	0d	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	5.697	65	179	55.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.080%
32) Benzene-d6	5.729	84	102	45.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	7.896	98	660	331.651	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	663.300%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.000%#
47) 2-Hexanone-d5	8.398	63	291	732.963	ug/L	-0.23
Spiked Amount	100.000	Range	45 - 130	Recovery	=	732.960%#
56) 1,1,2,2-Tetrachloroeth...	10.777	84	60	47.357	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.720%
66) 1,2-Dichlorobenzene-d4	11.816	152	777	57.473	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.940%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	1095	325.076	ug/L	# 1
9) Trichlorofluoromethane	2.141	101	3369	710.638	ug/L	93
12) 1,1-Dichloroethene	2.581	96	18101	7683.978	ug/L	# 70
13) Acetone	2.626	43	1975	972.767	ug/L	91
16) Methylene chloride	3.051	84	376	122.569	ug/L	92
17) trans-1,2-Dichloroethene	3.353	96	20012	7726.267	ug/L	97
19) 1,1-Dichloroethane	3.870	63	412455	73917.312	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	2017236	640156.626	ug/L	100
25) Chloroform	5.089	83	6369	1095.223	ug/L	99
27) 1,2-Dichloroethane	5.796	62	5982	1263.654	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	1925175	1517000.459	ug/L	99
33) Benzene	5.774	78	6911	2344.157	ug/L	100
34) Trichloroethene	6.539	95	20924	28156.106	ug/L	96
40) 4-Methyl-2-pentanone	7.796	43	1501	1071.648	ug/L	# 91
42) Toluene	7.970	91	28050	9205.065	ug/L	93
45) 1,1,2-Trichloroethane	8.401	97	2879	3573.763	ug/L	93
46) Tetrachloroethene	8.555	164	23085	40068.405	ug/L	96
52) Ethylbenzene	9.571	91	9611	2900.844	ug/L	98
53) m,p-Xylene	9.693	106	10713	8233.906	ug/L	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049039.D
 Acq On : 11 Jun 2022 08:20
 Operator : SY/MD
 Sample : N3248-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY9

Quant Time: Jun 11 09:43:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

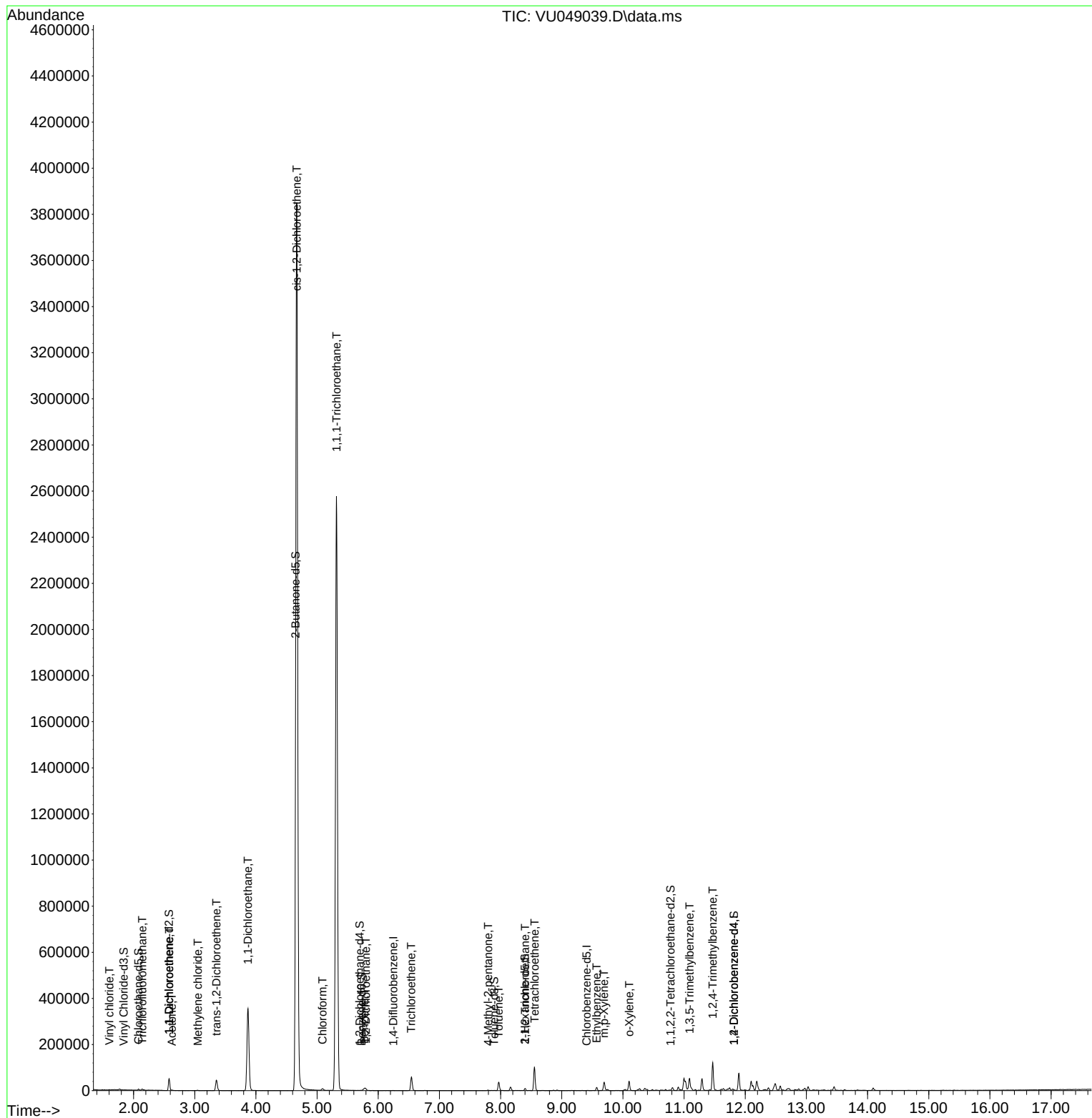
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.102	106	10870	8292.237	ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	28222	626.325	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	64787	1805.955	ug/L	98

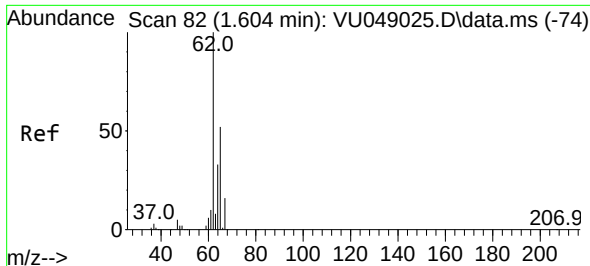
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049039.D
Acq On : 11 Jun 2022 08:20
Operator : SY/MD
Sample : N3248-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY9

Quant Time: Jun 11 09:43:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 11 04:33:31 2022
Response via : Initial Calibration

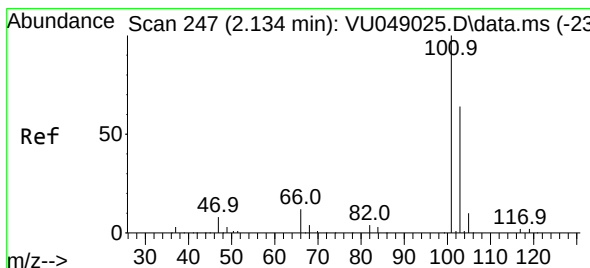
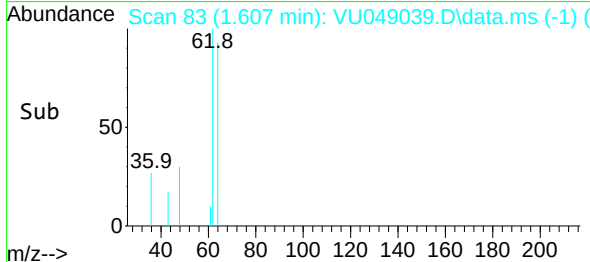
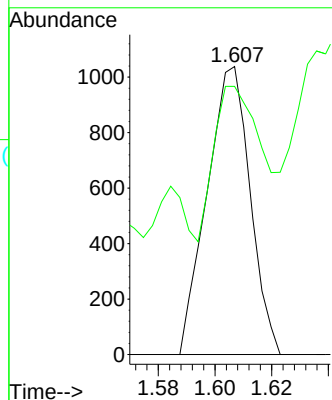
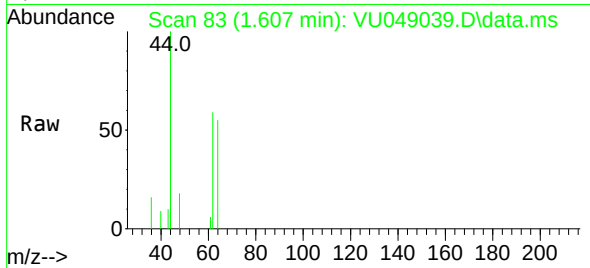




#5
 Vinyl chloride
 Concen: 325.076 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU049039.D
 Acq: 11 Jun 2022 08:20

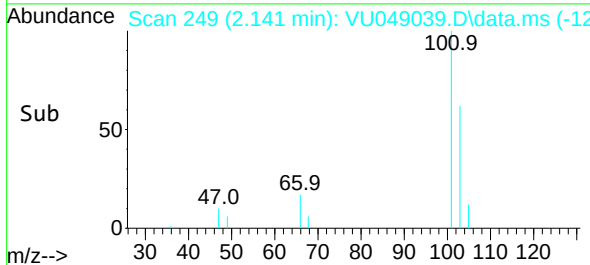
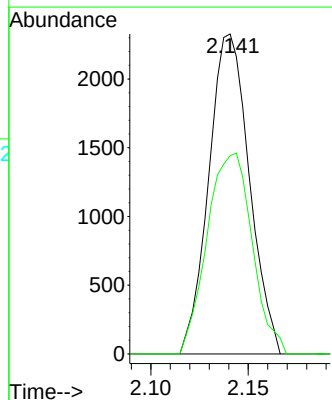
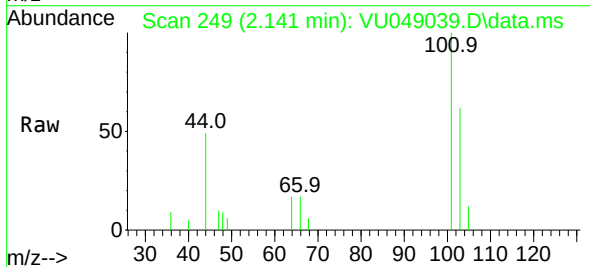
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY9

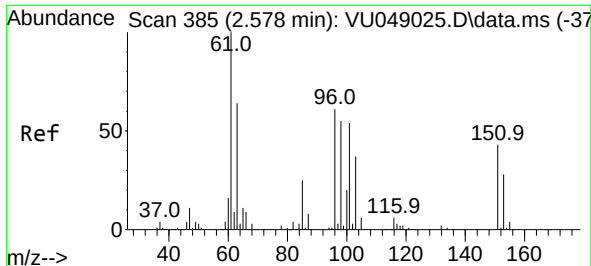
Tgt Ion: 62 Resp: 1095
 Ion Ratio Lower Upper
 62 100
 64 93.2 22.7 42.3#



#9
 Trichlorofluoromethane
 Concen: 710.638 ug/L
 RT: 2.141 min Scan# 249
 Delta R.T. 0.006 min
 Lab File: VU049039.D
 Acq: 11 Jun 2022 08:20

Tgt Ion: 101 Resp: 3369
 Ion Ratio Lower Upper
 101 100
 103 69.7 51.3 76.9





#12

1,1-Dichloroethene

Concen: 7683.978 ug/L

RT: 2.581 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Instrument :

MSVOA_U

ClientSampleId :

EXYY9

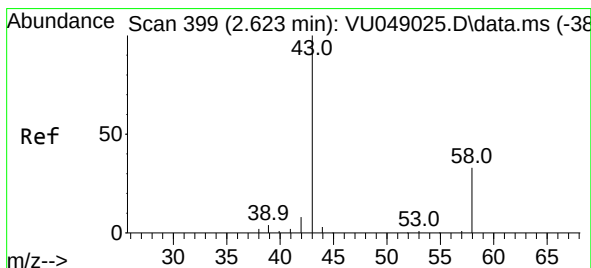
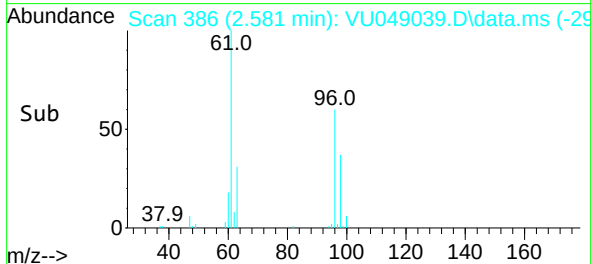
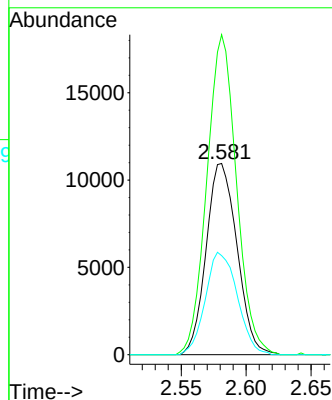
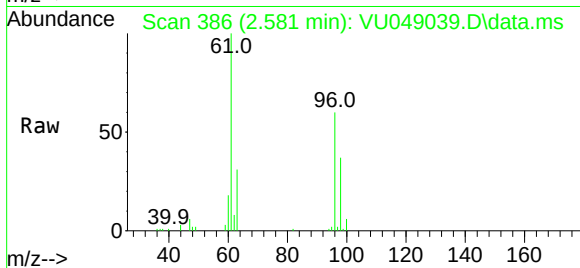
Tgt Ion: 96 Resp: 18101

Ion Ratio Lower Upper

96 100

61 167.3 123.5 229.3

63 51.8 86.0 159.8#



#13

Acetone

Concen: 972.767 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049039.D

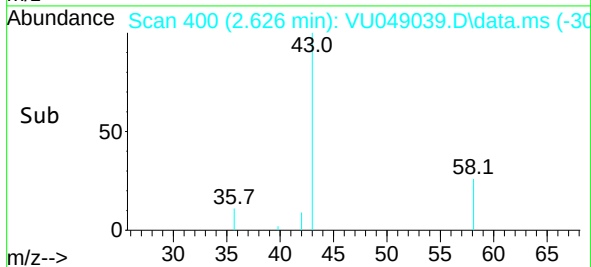
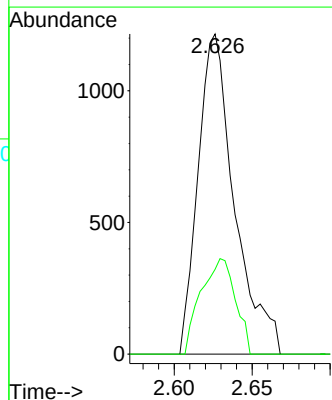
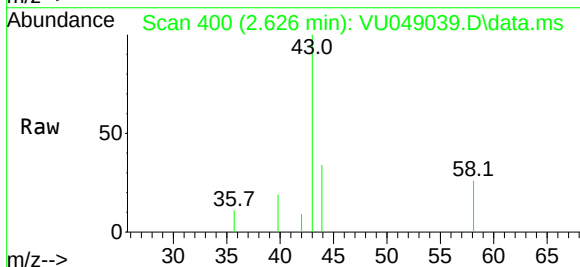
Acq: 11 Jun 2022 08:20

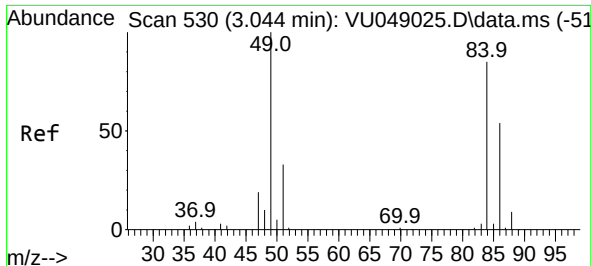
Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

43 100

58 28.2 0.0 66.4

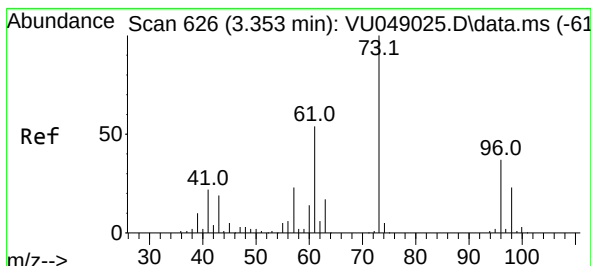
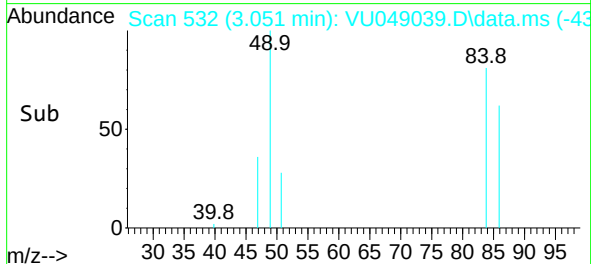
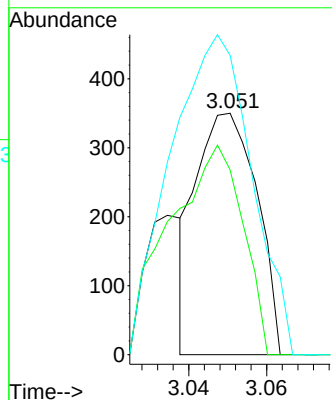
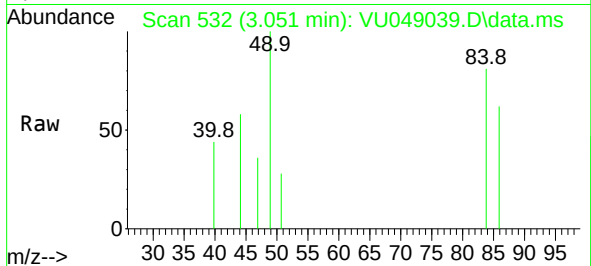




#16
Methylene chloride
Concen: 122.569 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

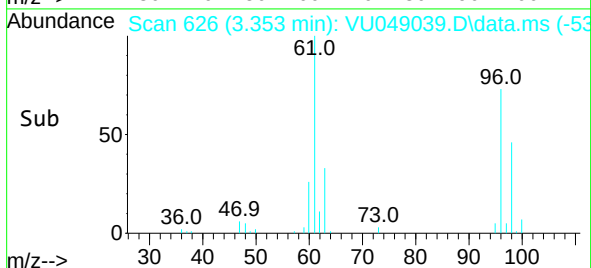
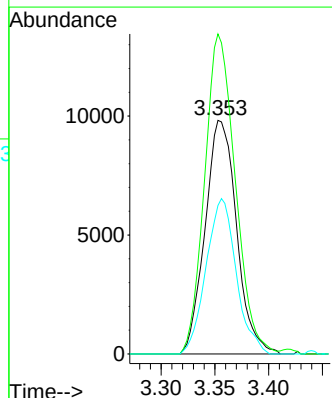
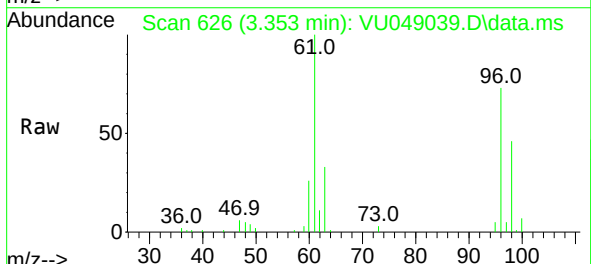
Instrument :
MSVOA_U
ClientSampleId :
EXYY9

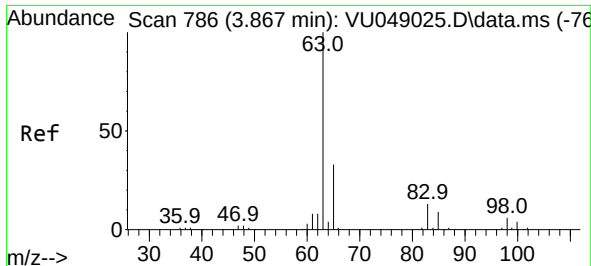
Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
86 76.6 45.8 85.0
49 124.0 83.4 155.0



#17
trans-1,2-Dichloroethene
Concen: 7726.267 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Tgt Ion: 96 Resp: 20012
Ion Ratio Lower Upper
96 100
61 136.9 99.3 184.3
98 63.5 44.7 83.1





#19

1,1-Dichloroethane

Concen: 73917.312 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Instrument :

MSVOA_U

ClientSampleId :

EXYY9

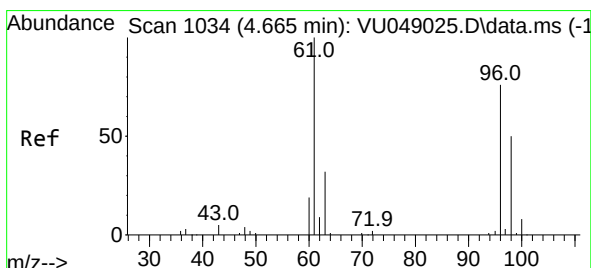
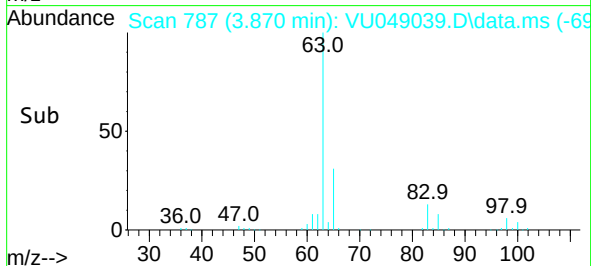
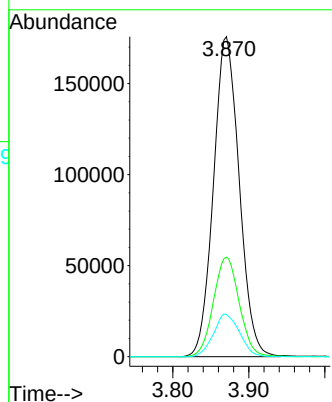
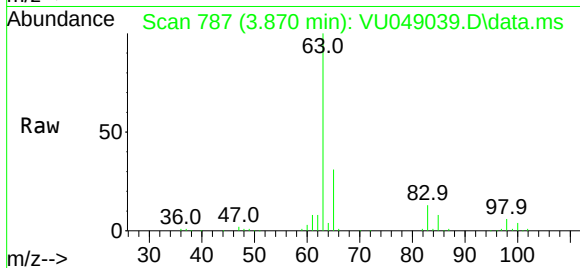
Tgt Ion: 63 Resp: 412455

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 13.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 640156.626 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

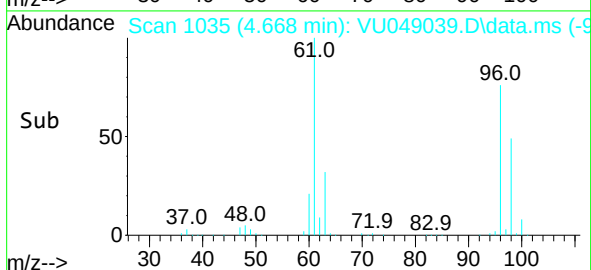
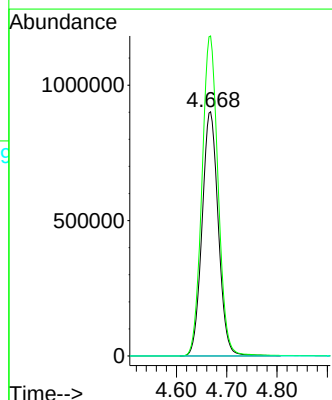
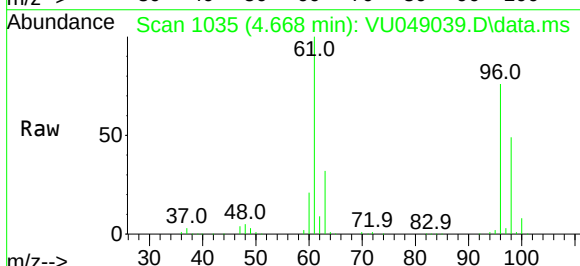
Tgt Ion: 96 Resp: 2017236

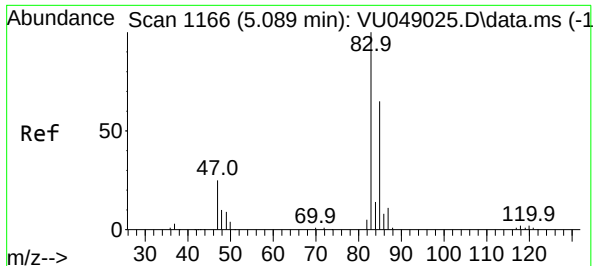
Ion Ratio Lower Upper

96 100

61 131.1 91.6 170.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1095.223 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Instrument :

MSVOA_U

ClientSampleId :

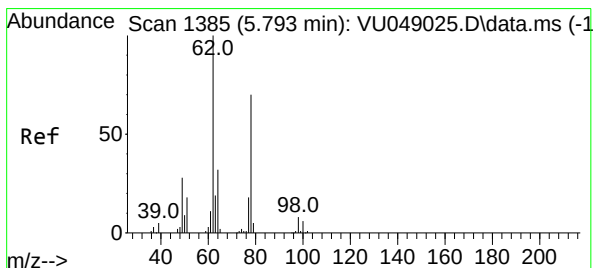
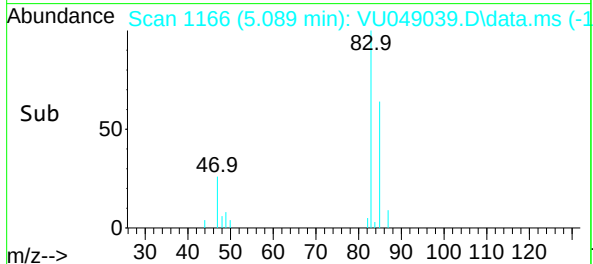
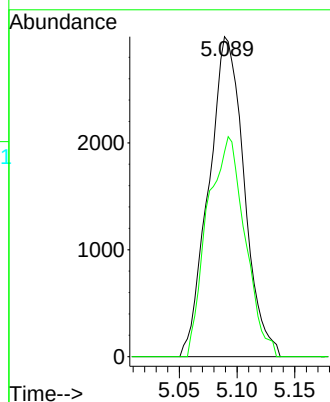
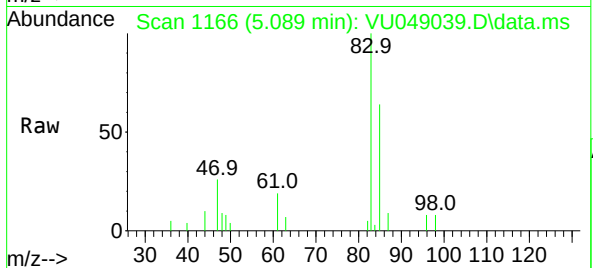
EXYY9

Tgt Ion: 83 Resp: 6369

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 1263.654 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU049039.D

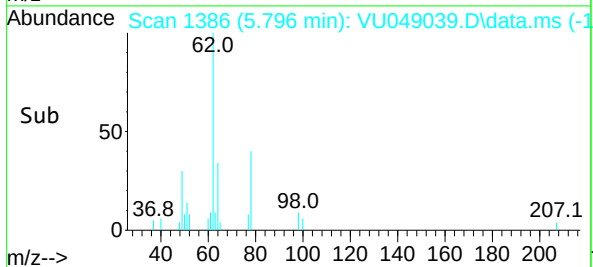
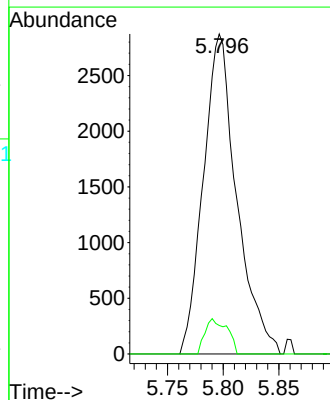
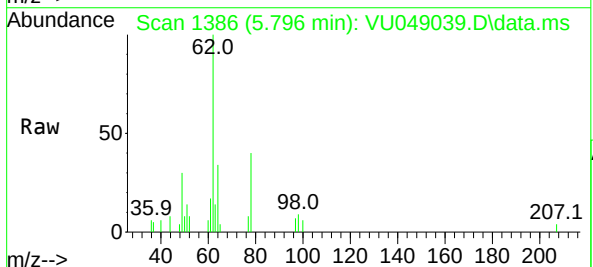
Acq: 11 Jun 2022 08:20

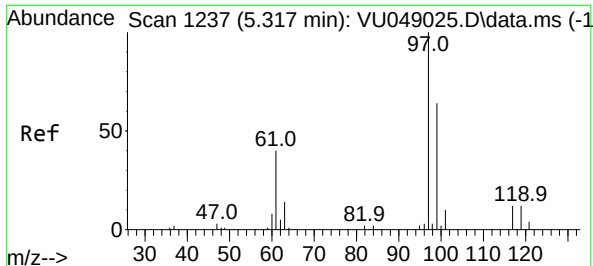
Tgt Ion: 62 Resp: 5982

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.4



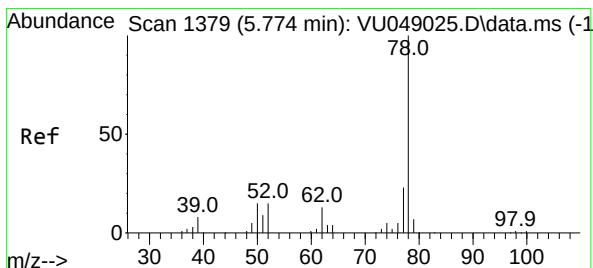
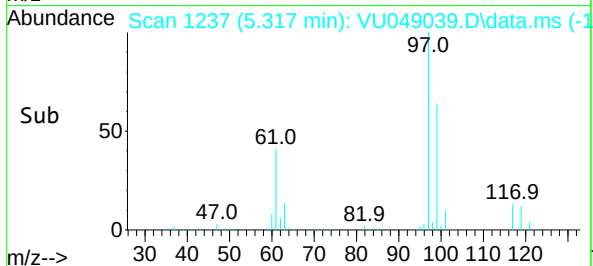
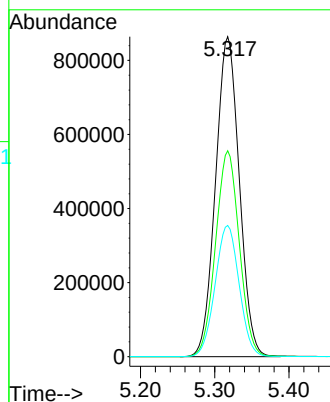
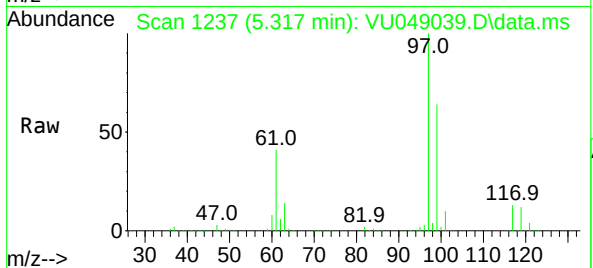


#30
1,1,1-Trichloroethane
Concen: 1517000.459 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Instrument :
MSVOA_U
ClientSampleId :
EXYY9

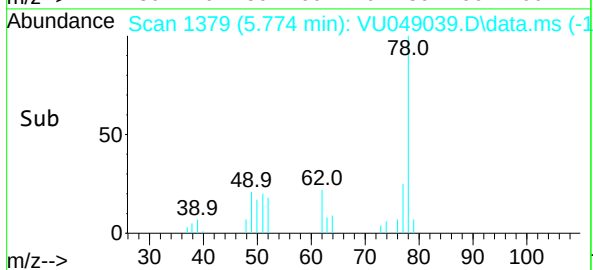
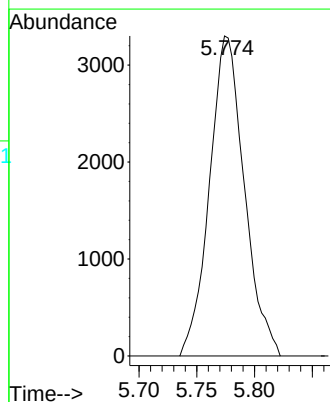
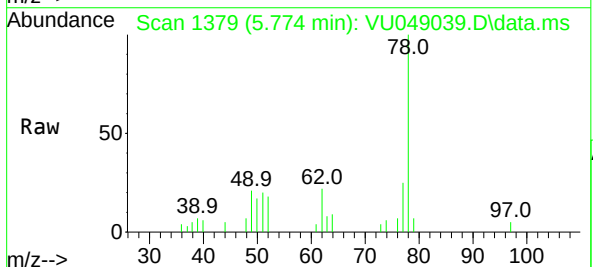
Tgt Ion: 97 Resp: 1925175

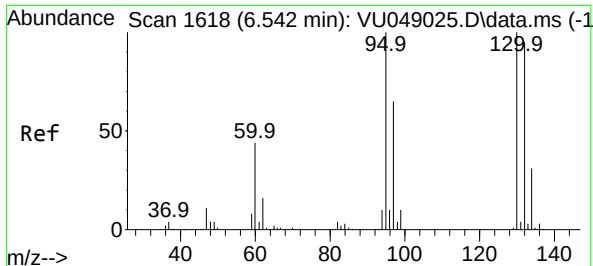
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	41.4	34.2	51.2



#33
Benzene
Concen: 2344.157 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Tgt Ion: 78 Resp: 6911



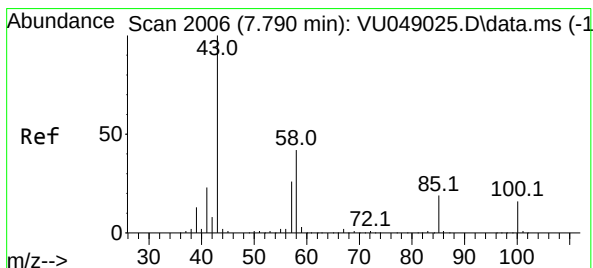
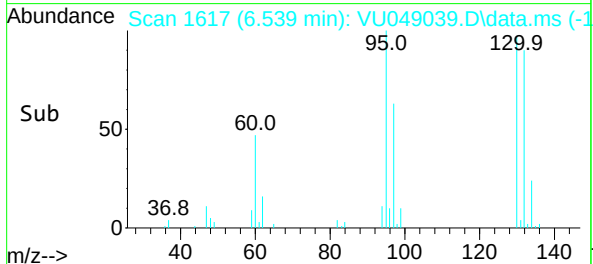
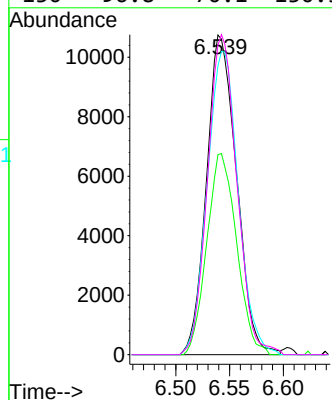
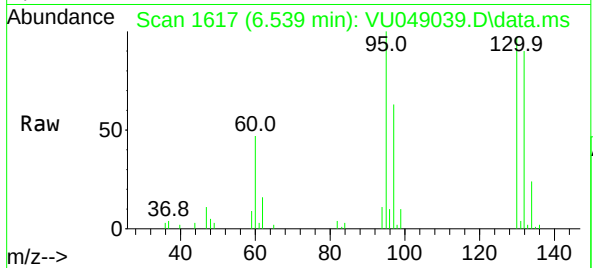


#34
Trichloroethene
Concen: 28156.106 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Instrument :
MSVOA_U
ClientSampleId :
EXYY9

Tgt Ion: 95 Resp: 20924

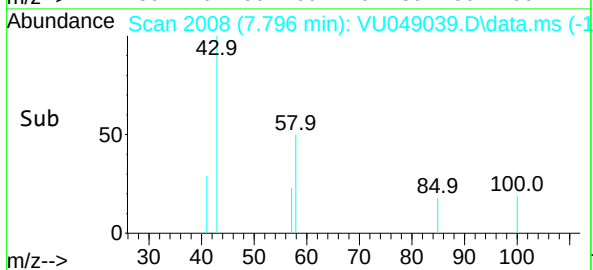
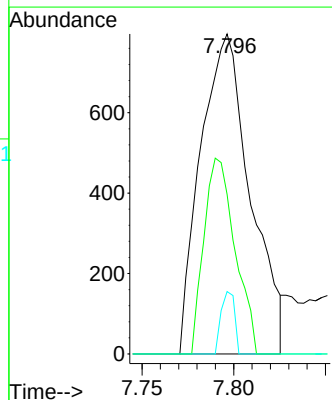
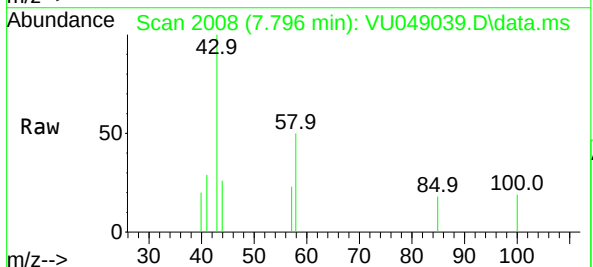
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.4	84.4
132	90.3	67.6	125.6
130	96.8	70.1	130.3

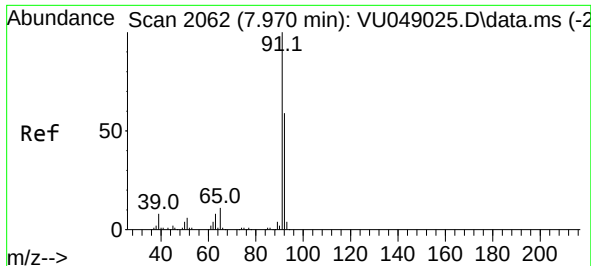


#40
4-Methyl-2-pentanone
Concen: 1071.648 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Tgt Ion: 43 Resp: 1501

Ion	Ratio	Lower	Upper
43	100		
58	38.2	32.2	48.4
100	5.3	12.3	18.5





#42

Toluene

Concen: 9205.065 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Instrument :

MSVOA_U

ClientSampleId :

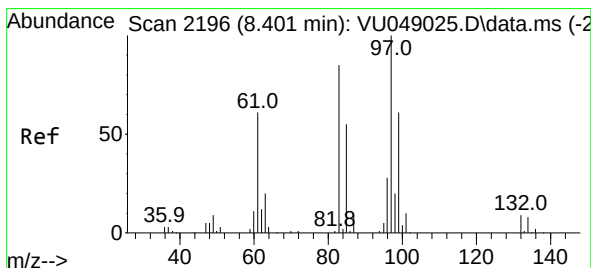
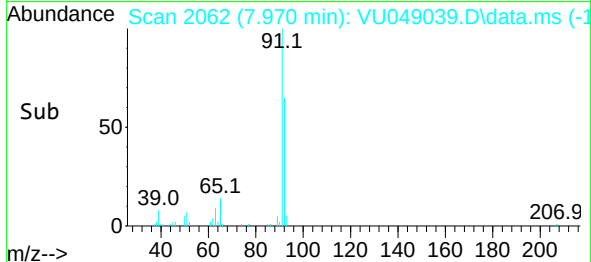
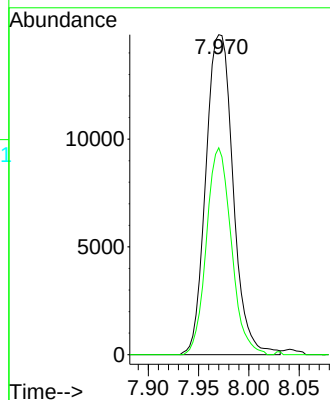
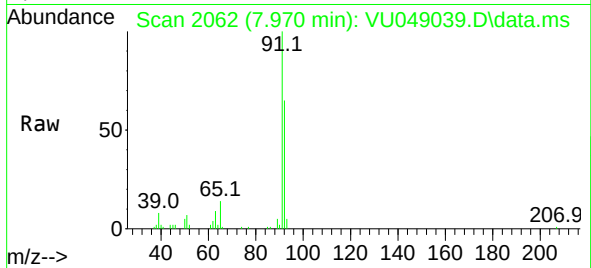
EXYY9

Tgt Ion: 91 Resp: 28050

Ion Ratio Lower Upper

91 100

92 64.6 41.6 77.3



#45

1,1,2-Trichloroethane

Concen: 3573.763 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Tgt Ion: 97 Resp: 2879

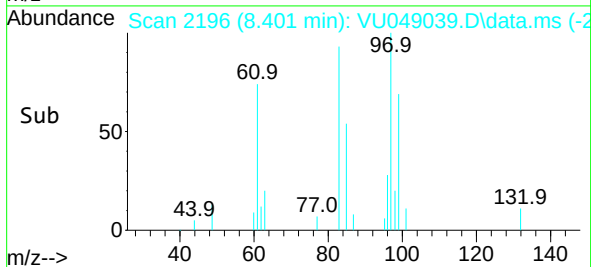
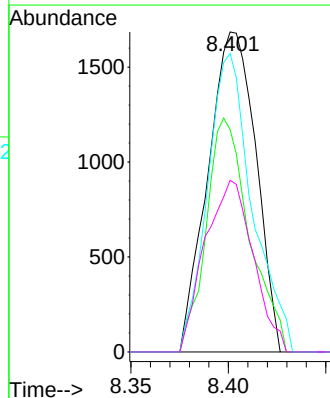
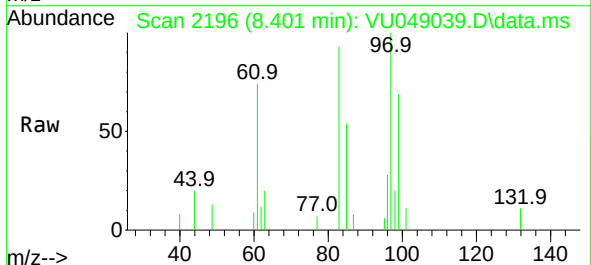
Ion Ratio Lower Upper

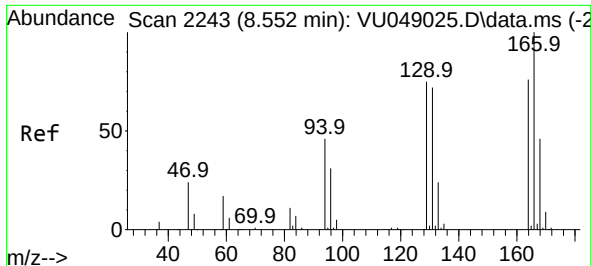
97 100

99 69.5 43.5 80.9

83 93.2 60.3 112.1

85 53.6 39.9 74.1

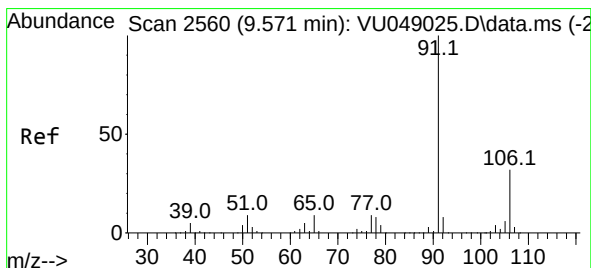
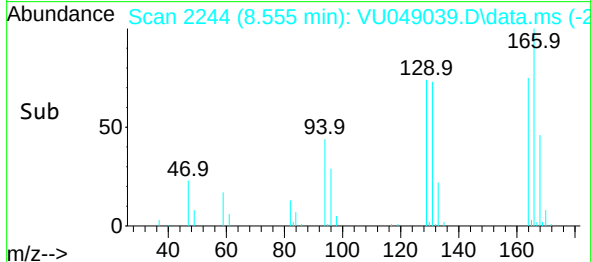
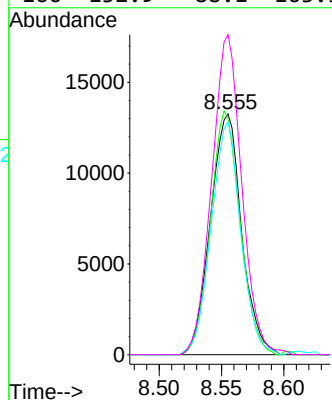
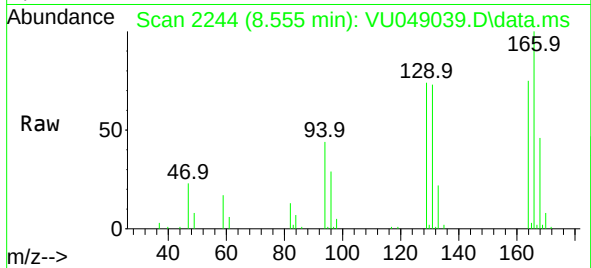




#46
Tetrachloroethene
Concen: 40068.405 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

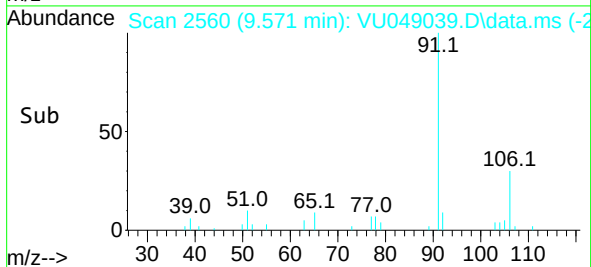
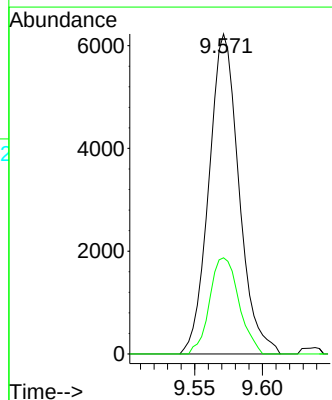
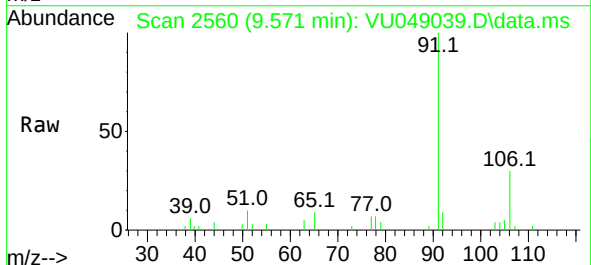
Instrument :
MSVOA_U
ClientSampleId :
EXYY9

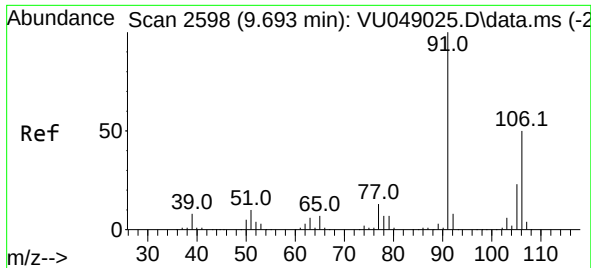
Tgt Ion:164 Resp: 23085
Ion Ratio Lower Upper
164 100
129 98.2 70.9 131.7
131 96.7 66.2 123.0
166 132.9 88.1 163.5



#52
Ethylbenzene
Concen: 2900.844 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Tgt Ion: 91 Resp: 9611
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.2

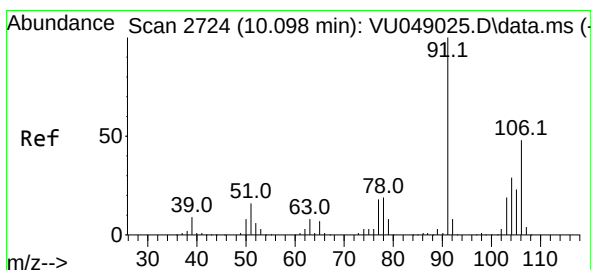
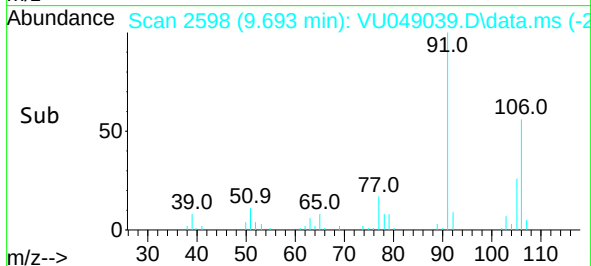
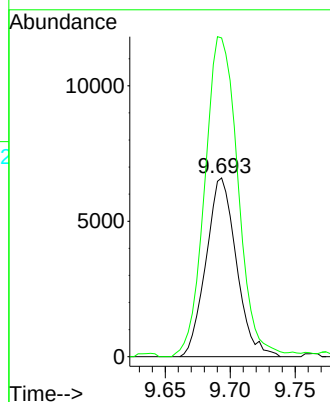
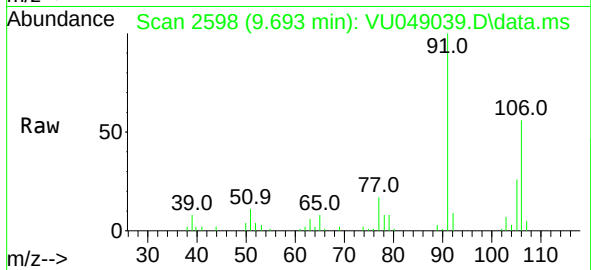




#53
m,p-Xylene
Concen: 8233.906 ug/L
RT: 9.693 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

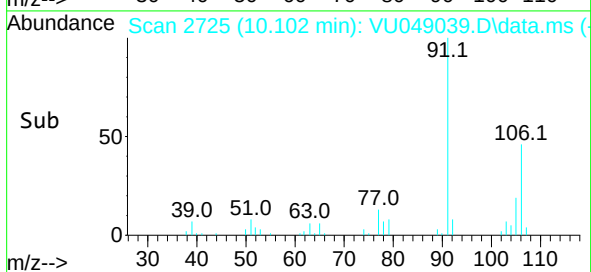
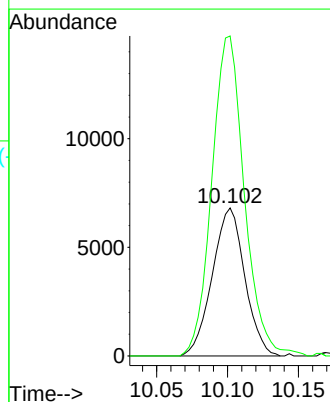
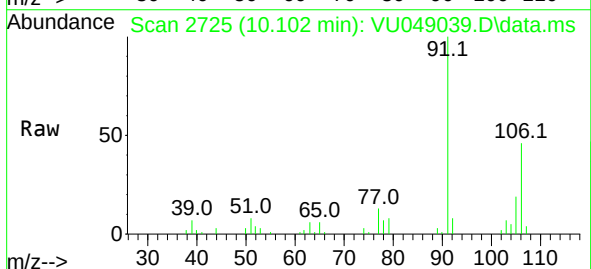
Instrument :
MSVOA_U
ClientSampleId :
EXYY9

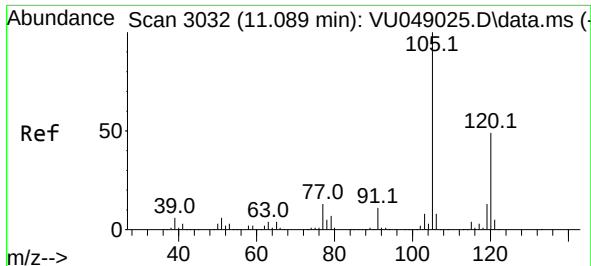
Tgt Ion:106 Resp: 10713
Ion Ratio Lower Upper
106 100
91 178.3 137.4 255.2



#54
o-Xylene
Concen: 8292.237 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU049039.D
Acq: 11 Jun 2022 08:20

Tgt Ion:106 Resp: 10870
Ion Ratio Lower Upper
106 100
91 216.3 145.2 269.6





#62

1,3,5-Trimethylbenzene

Concen: 626.325 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Instrument :

MSVOA_U

ClientSampleId :

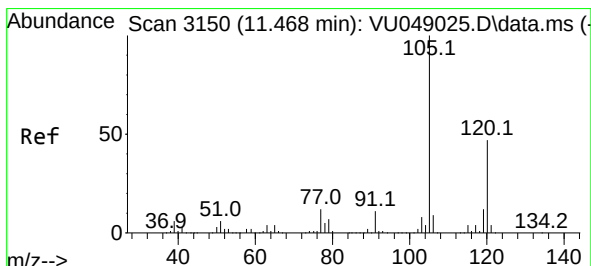
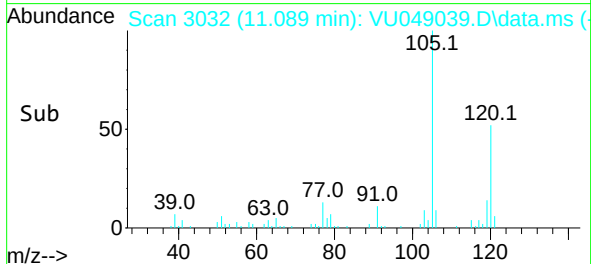
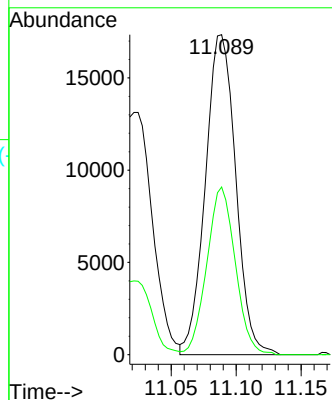
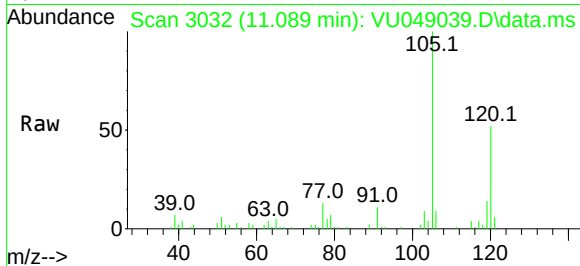
EXYY9

Tgt Ion:105 Resp: 28222

Ion Ratio Lower Upper

105 100

120 49.1 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 1805.955 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049039.D

Acq: 11 Jun 2022 08:20

Tgt Ion:105 Resp: 64787

Ion Ratio Lower Upper

105 100

120 47.0 36.3 54.5

