

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049330.D
 Acq On : 21 Jun 2022 16:42
 Operator : SY/MD
 Sample : N3400-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

Quant Time: Jun 22 01:49:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	134763	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	124840	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	62916	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	38426	3.263	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.906	69	31413	3.940	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.559	65	16367	3.456	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	4.668	46	147493	46.911	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.820%
24) Chloroform-d	5.063	84	81851	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.703	65	45922	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.726	84	155854	4.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.690	67	55193	4.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.896	98	132856	3.923	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.182	79	19429	3.426	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.600%
46) 2-Hexanone-d5	8.636	63	108365	47.372	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.740%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	46266	4.527	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	53476	4.429	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.928	64	3125	0.477	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	471	0.061	ug/L #	21
19) 1,1-Dichloroethane	3.874	63	2749	0.166	ug/L #	84
27) 1,2-Dichloroethane	5.767	62	1477	0.135	ug/L #	74
30) Cyclohexane	5.385	56	66128	3.900	ug/L	98
33) Benzene	5.774	78	165864	4.465	ug/L	100
35) Methylcyclohexane	6.761	83	78089	4.904	ug/L	96
42) Toluene	7.970	91	9399	0.239	ug/L	93
45) 1,1,2-Trichloroethane	8.372	97	4581	0.644	ug/L #	17
47) Tetrachloroethene	8.552	164	1642	0.251	ug/L	88
49) Dibromochloromethane	8.558	129	1685	0.208	ug/L #	10
51) Chlorobenzene	9.446	112	4013	0.167	ug/L	92
52) Ethylbenzene	9.571	91	10226	0.238	ug/L	98
53) m,p-Xylene	9.690	106	111798	6.993	ug/L	95
54) o-Xylene	10.102	106	2764	0.174	ug/L	81
55) Styrene	10.115	104	1167	0.044	ug/L	88
60) Isopropylbenzene	10.484	105	162169	3.784	ug/L	100
61) 1,2,3-Trichloropropane	10.902	75	952	0.135	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.468	105	55483	1.467	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049330.D
 Acq On : 21 Jun 2022 16:42
 Operator : SY/MD
 Sample : N3400-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

Quant Time: Jun 22 01:49:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

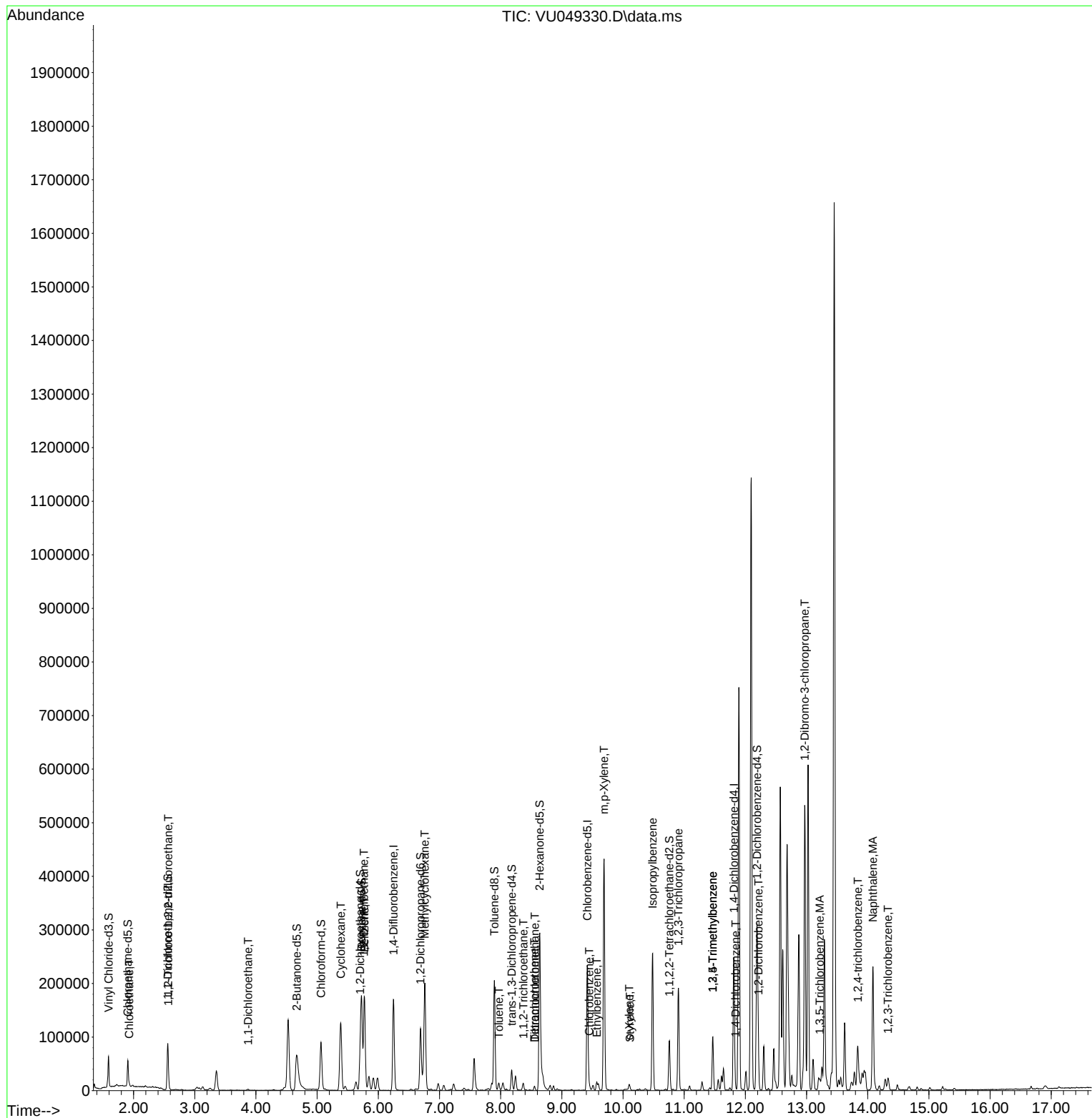
63) 1,2,4-Trimethylbenzene	11.468	105	55483	1.481	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	2070	0.114	ug/L	91
67) 1,2-Dichlorobenzene	12.214	146	2403	0.138	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.970	75	2753	1.431	ug/L #	10
69) 1,3,5-Trichlorobenzene	13.217	180	2716	0.197	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	5024	0.460	ug/L #	77
71) Naphthalene	14.085	128	178178	8.201	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	5782	0.562	ug/L #	95

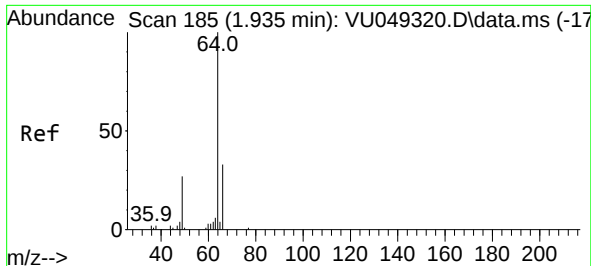
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049330.D
Acq On : 21 Jun 2022 16:42
Operator : SY/MD
Sample : N3400-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA3

Quant Time: Jun 22 01:49:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jun 22 01:47:02 2022
Response via : Initial Calibration

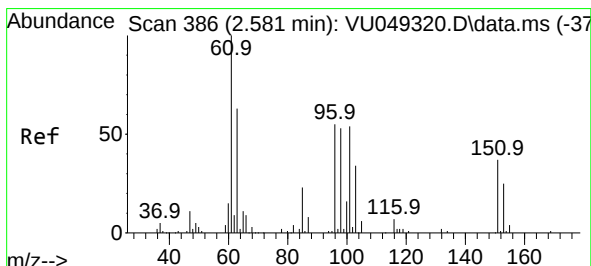
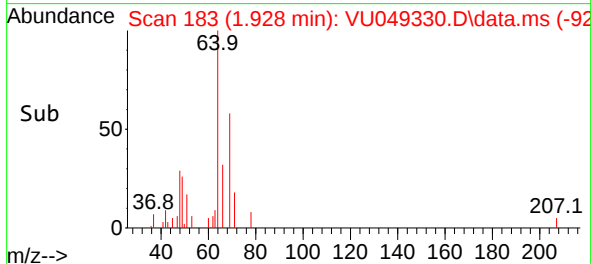
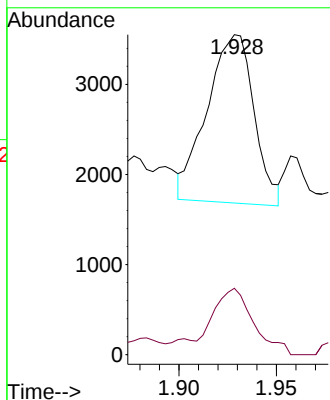
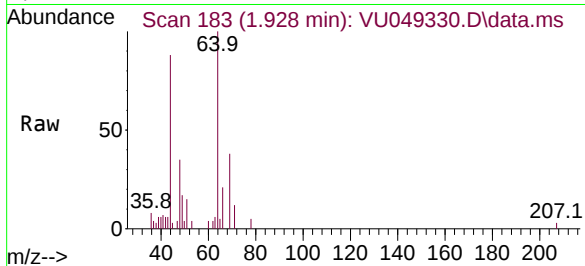




#8
Chloroethane
Concen: 0.477 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

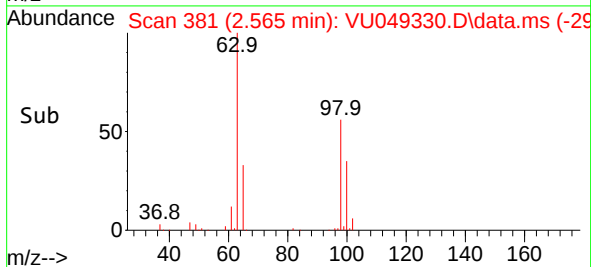
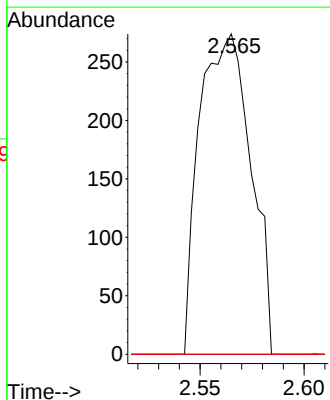
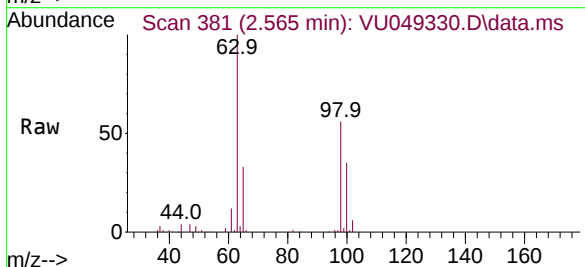
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

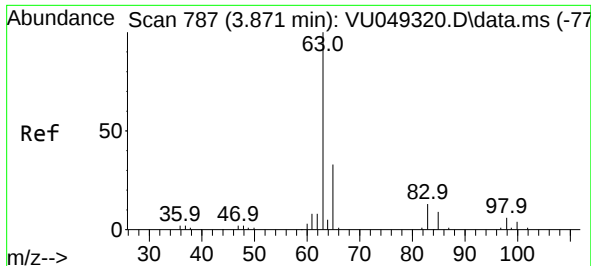
Tgt Ion: 64 Resp: 3125
Ion Ratio Lower Upper
64 100
66 20.7 20.9 38.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.061 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion:101 Resp: 471
Ion Ratio Lower Upper
101 100
85 0.0 36.1 54.1#
151 0.0 56.8 85.2#





#19

1,1-Dichloroethane

Concen: 0.166 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

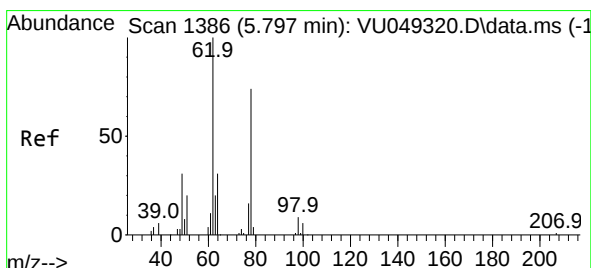
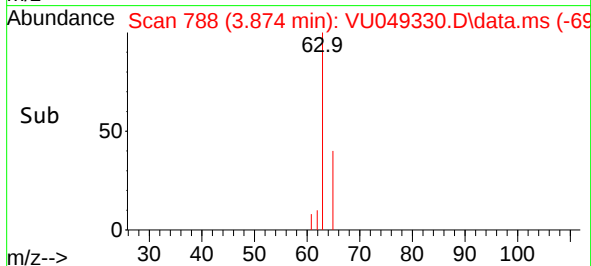
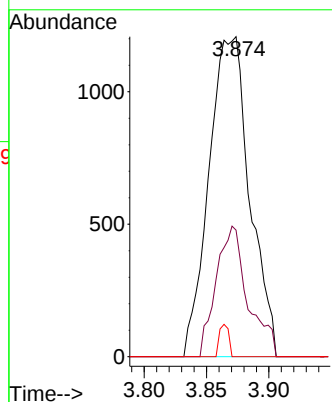
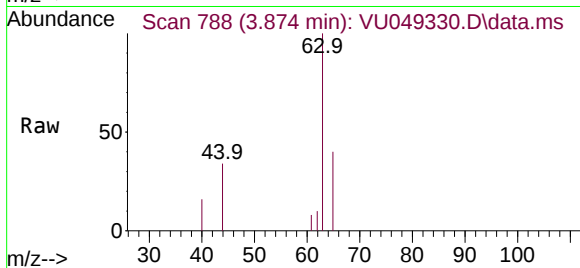
Tgt Ion: 63 Resp: 2749

Ion Ratio Lower Upper

63 100

65 39.6 24.0 44.6

83 0.0 9.1 16.9#



#27

1,2-Dichloroethane

Concen: 0.135 ug/L

RT: 5.767 min Scan# 1377

Delta R.T. -0.029 min

Lab File: VU049330.D

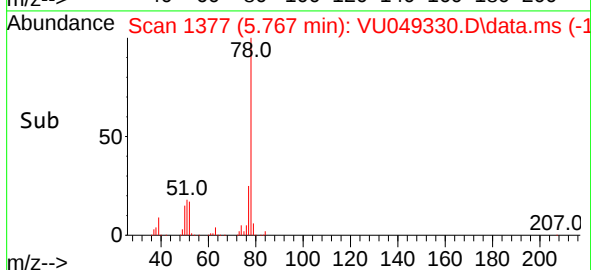
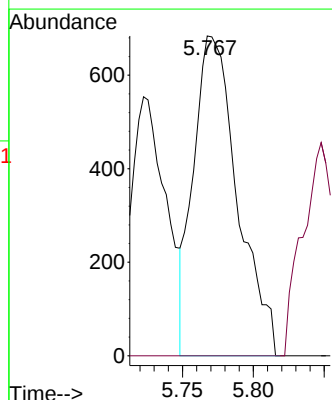
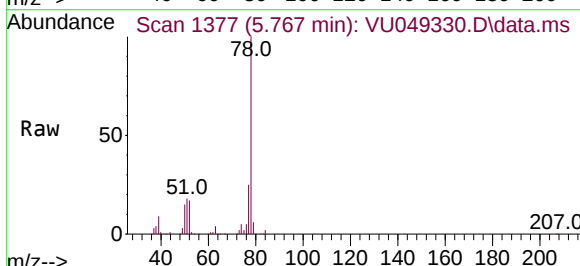
Acq: 21 Jun 2022 16:42

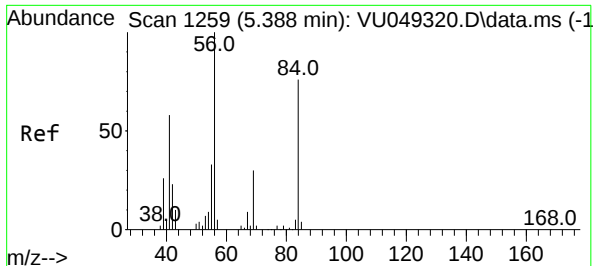
Tgt Ion: 62 Resp: 1477

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#





#30

Cyclohexane

Concen: 3.900 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

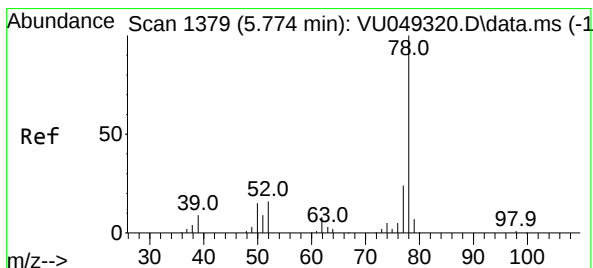
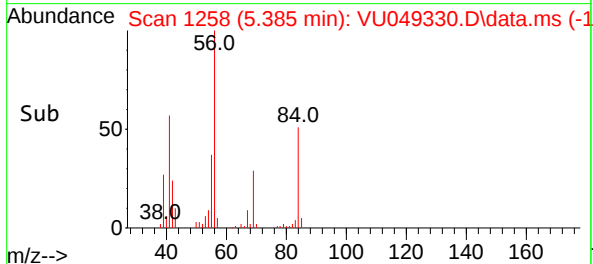
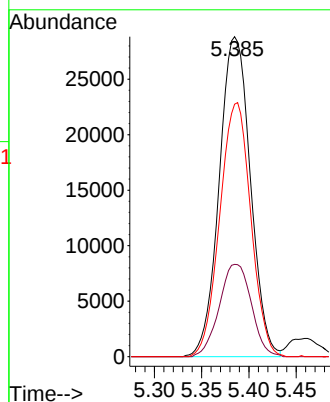
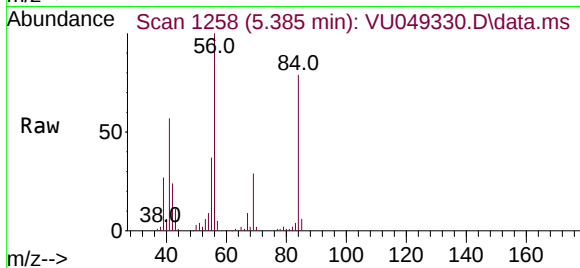
Tgt Ion: 56 Resp: 66128

Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.6

84 78.9 61.2 91.8



#33

Benzene

Concen: 4.465 ug/L

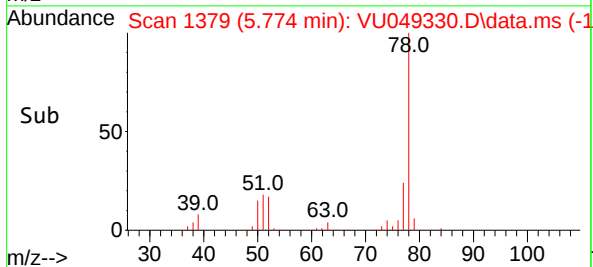
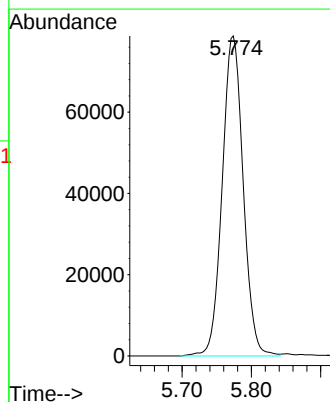
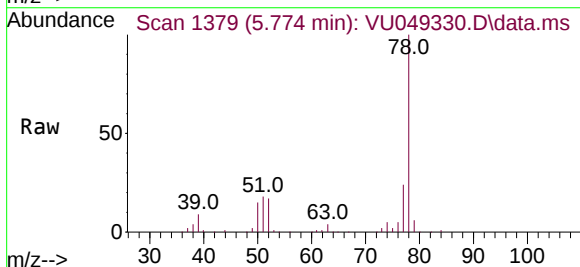
RT: 5.774 min Scan# 1379

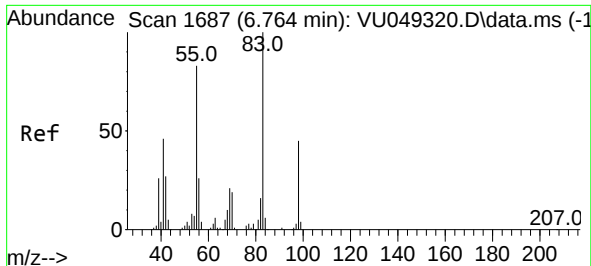
Delta R.T. -0.000 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

Tgt Ion: 78 Resp: 165864

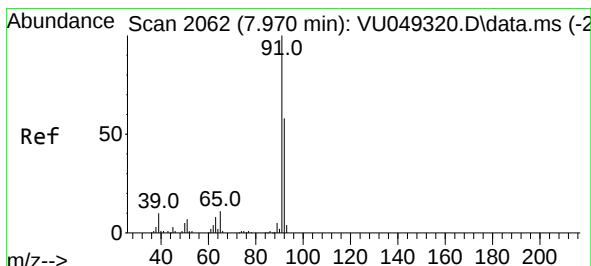
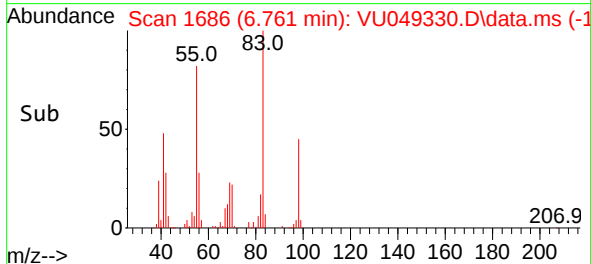
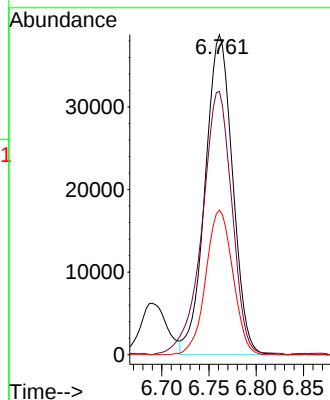
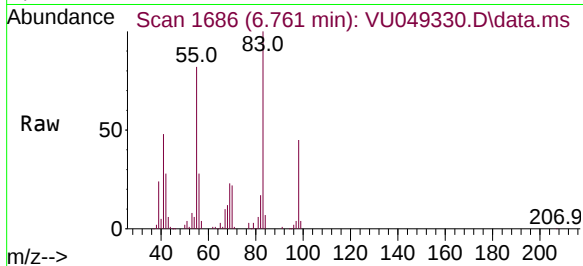




#35
Methylcyclohexane
Concen: 4.904 ug/L
RT: 6.761 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

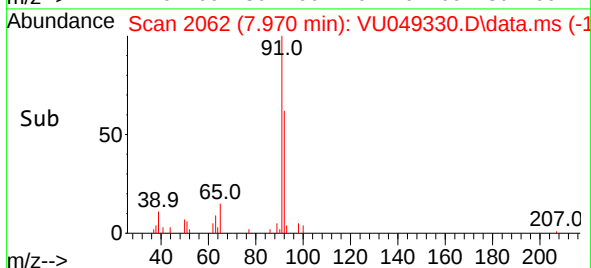
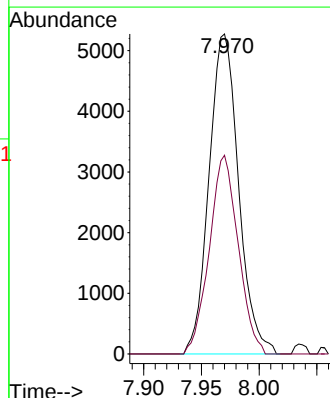
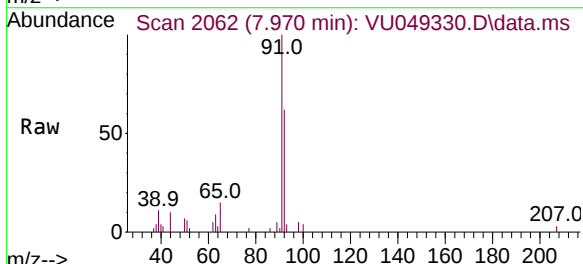
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

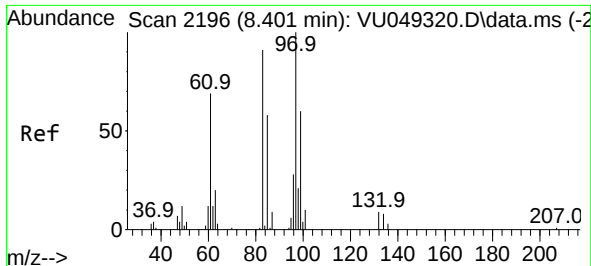
Tgt Ion: 83 Resp: 78089
Ion Ratio Lower Upper
83 100
55 89.6 66.9 100.3
98 44.6 35.5 53.3



#42
Toluene
Concen: 0.239 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion: 91 Resp: 9399
Ion Ratio Lower Upper
91 100
92 62.1 40.0 74.2

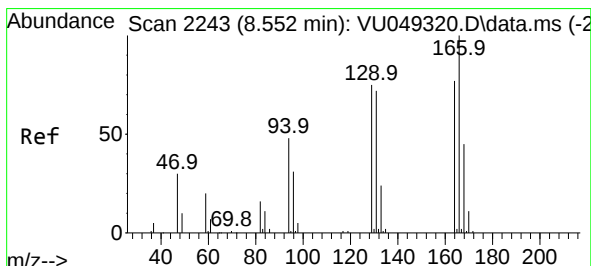
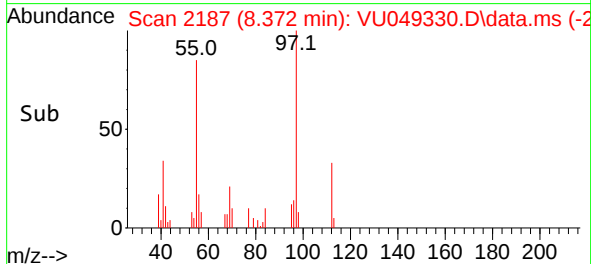
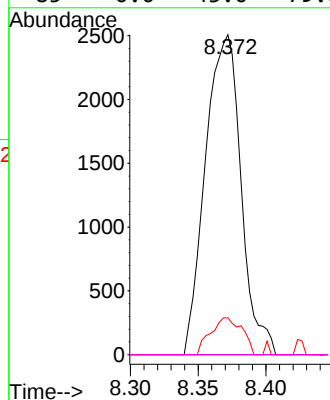
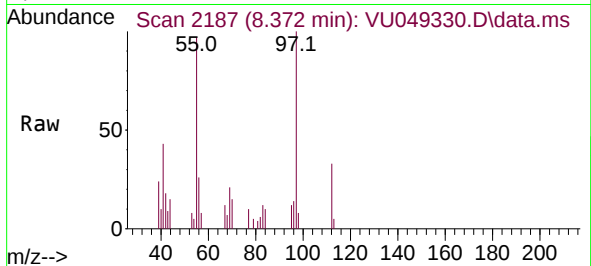




#45
1,1,2-Trichloroethane
Concen: 0.644 ug/L
RT: 8.372 min Scan# 2196
Delta R.T. -0.029 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

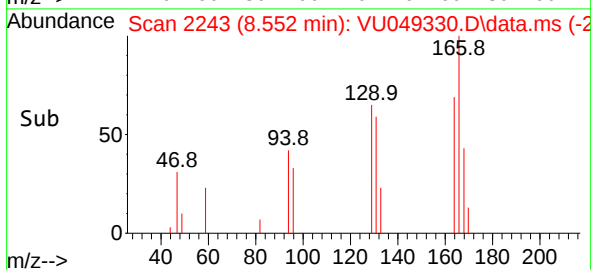
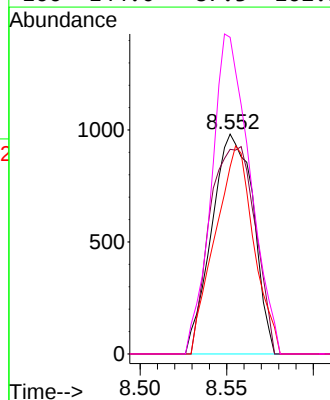
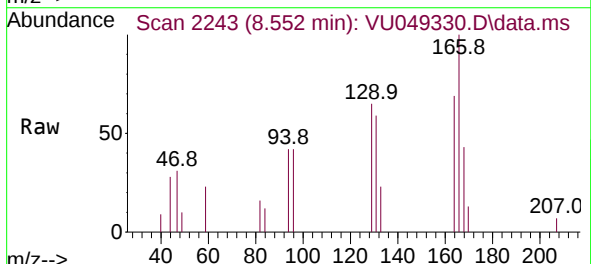
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

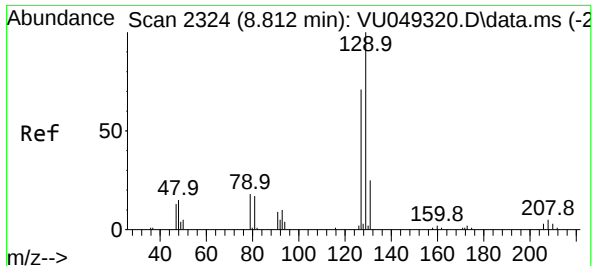
Tgt Ion: 97	Resp: 4581
Ion Ratio	Lower Upper
97 100	
99 0.0	45.6 84.8#
83 11.5	65.4 121.4#
85 0.0	43.0 79.8#



#47
Tetrachloroethene
Concen: 0.251 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion: 164	Resp: 1642
Ion Ratio	Lower Upper
164 100	
129 93.1	69.8 129.6
131 85.1	67.8 125.8
166 144.0	87.3 162.1





#49

Dibromochloromethane

Concen: 0.208 ug/L

RT: 8.558 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

Instrument :

MSVOA_U

ClientSampleId :

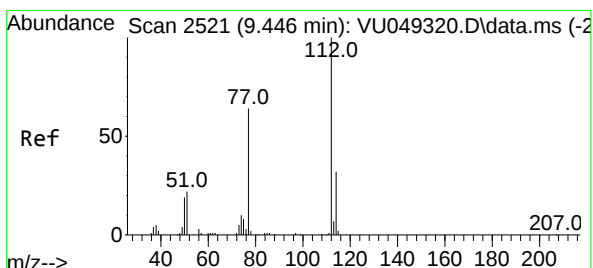
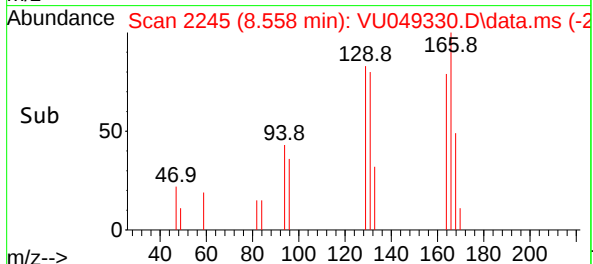
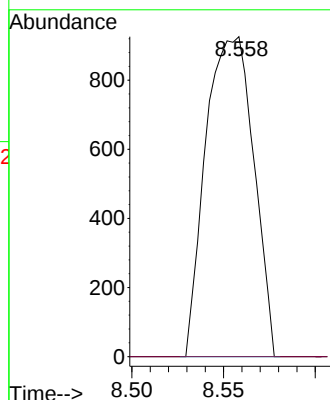
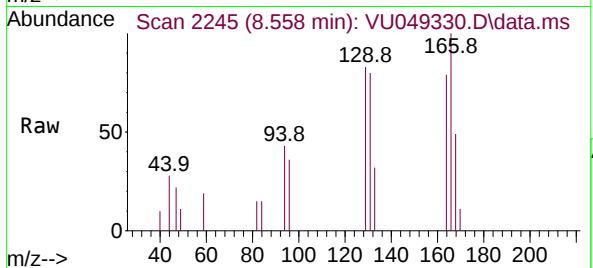
C0AA3

Tgt Ion:129 Resp: 1685

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#51

Chlorobenzene

Concen: 0.167 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

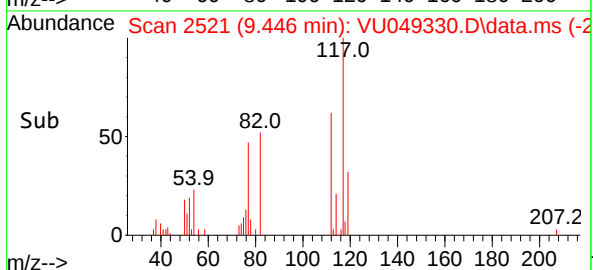
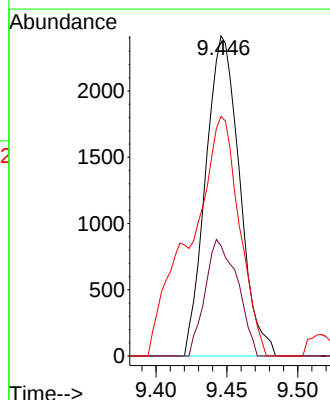
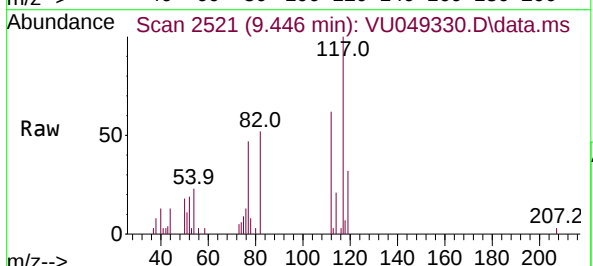
Tgt Ion:112 Resp: 4013

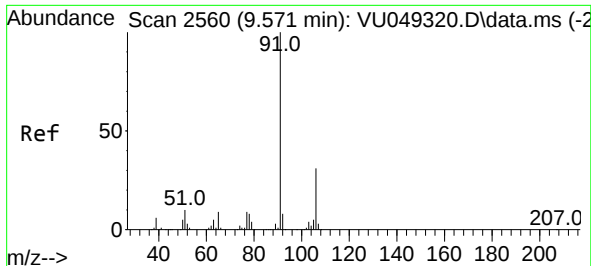
Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.3

77 71.7 51.0 76.6

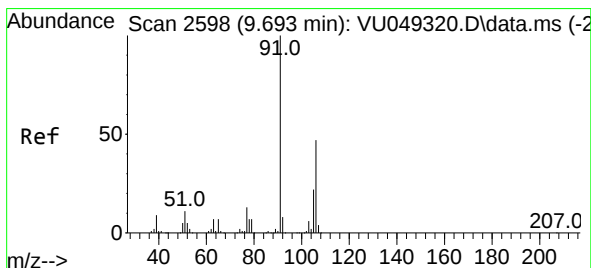
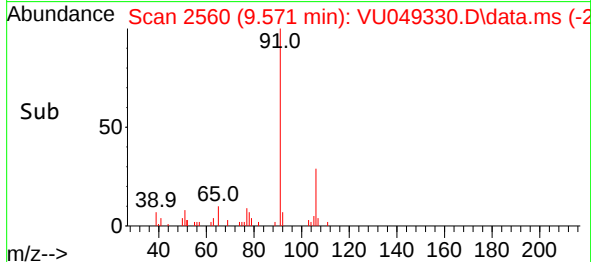
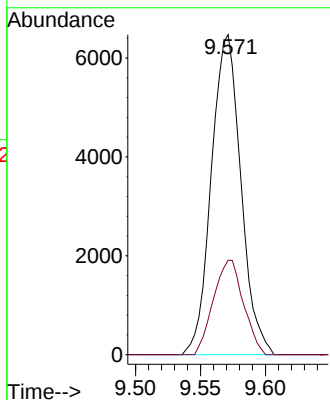
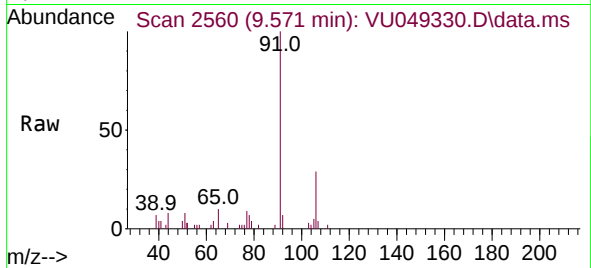




#52
Ethylbenzene
Concen: 0.238 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

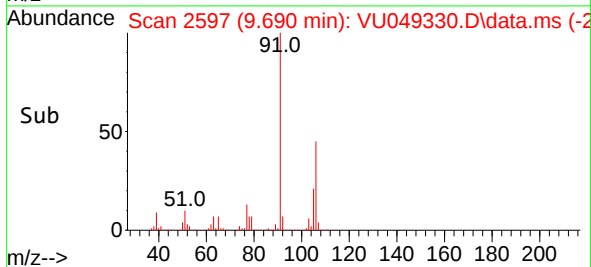
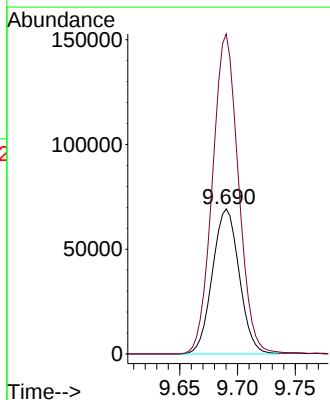
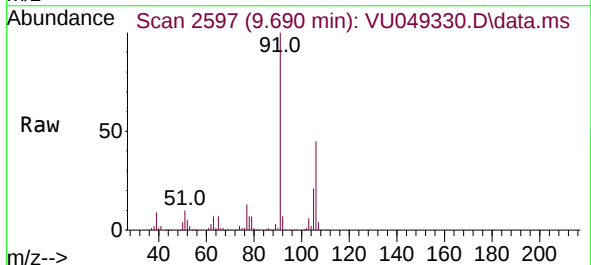
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

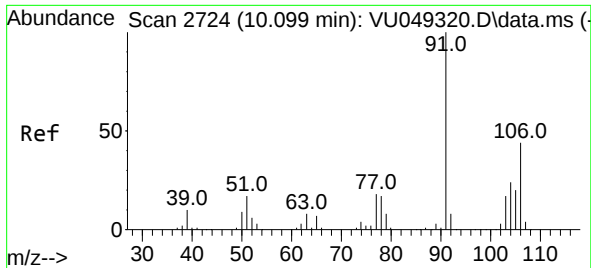
Tgt Ion: 91 Resp: 10226
Ion Ratio Lower Upper
91 100
106 29.5 21.2 39.4



#53
m,p-Xylene
Concen: 6.993 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion: 106 Resp: 111798
Ion Ratio Lower Upper
106 100
91 220.4 148.5 275.7

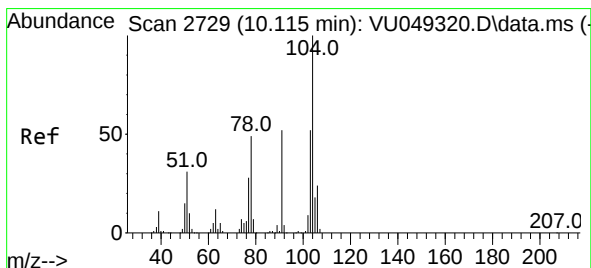
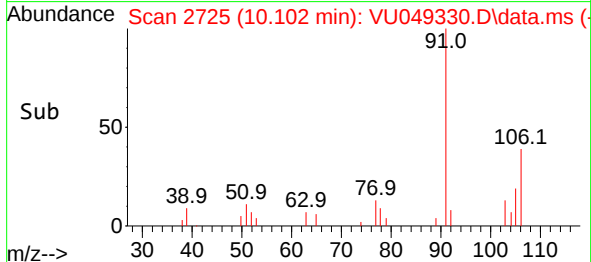
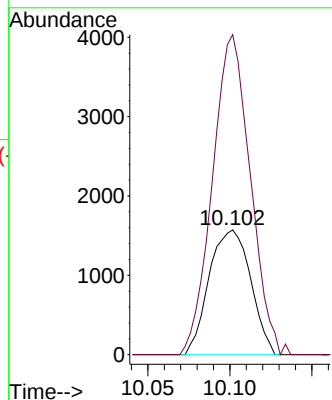
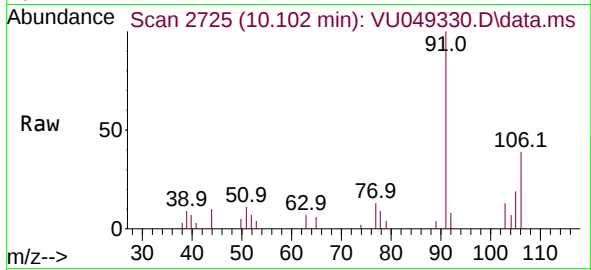




#54
o-Xylene
Concen: 0.174 ug/L
RT: 10.102 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

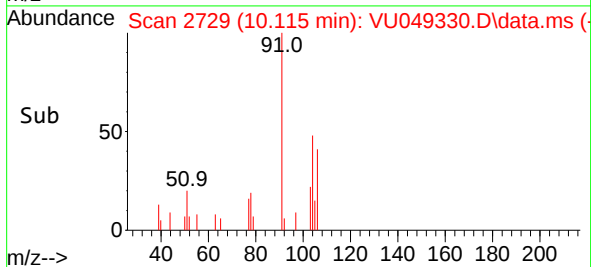
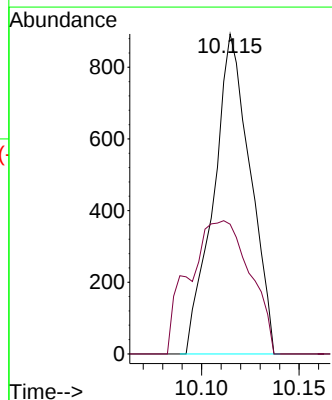
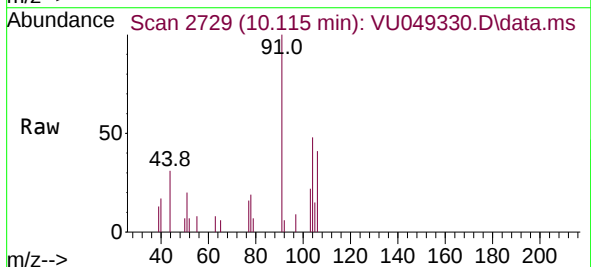
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

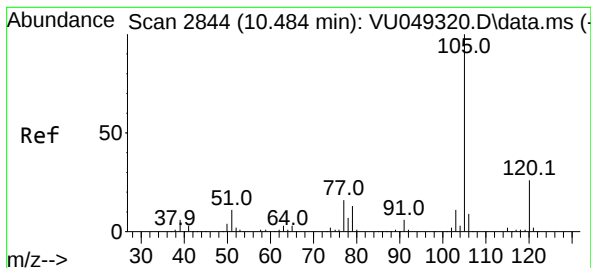
Tgt Ion:106 Resp: 2764
Ion Ratio Lower Upper
106 100
91 256.4 157.5 292.5



#55
Styrene
Concen: 0.044 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion:104 Resp: 1167
Ion Ratio Lower Upper
104 100
78 40.5 34.1 63.3





#60

Isopropylbenzene

Concen: 3.784 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

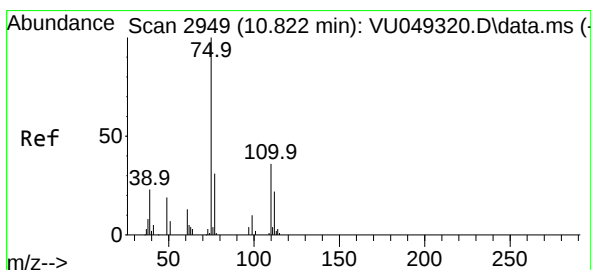
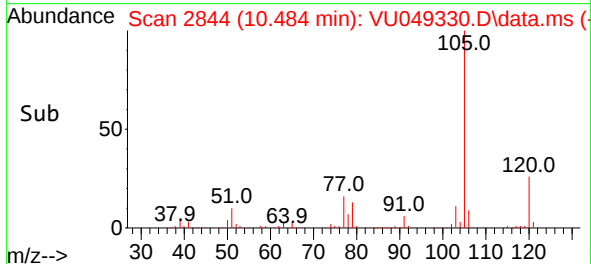
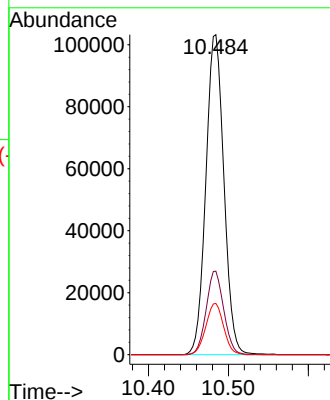
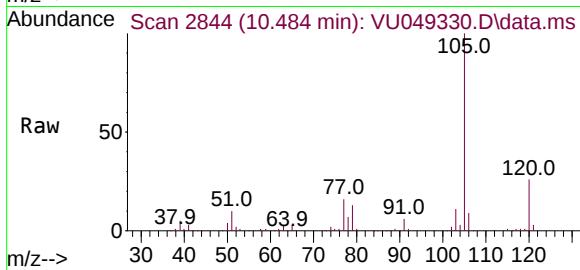
Tgt Ion:105 Resp: 162169

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

77 15.8 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 0.135 ug/L

RT: 10.902 min Scan# 2974

Delta R.T. 0.080 min

Lab File: VU049330.D

Acq: 21 Jun 2022 16:42

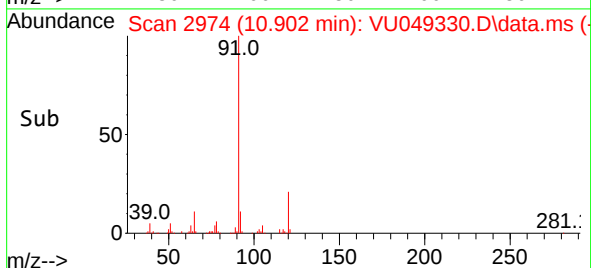
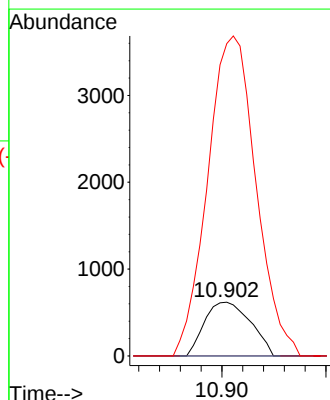
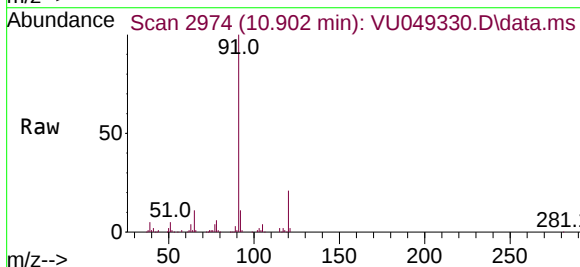
Tgt Ion: 75 Resp: 952

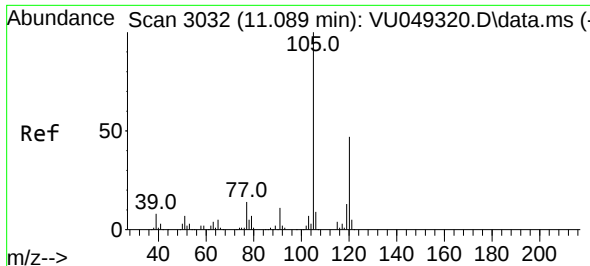
Ion Ratio Lower Upper

75 100

110 4.3 29.0 43.4#

77 623.8 26.2 39.2#

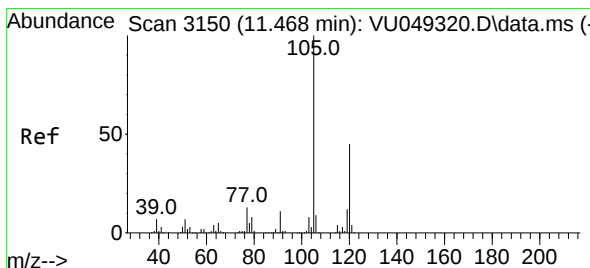
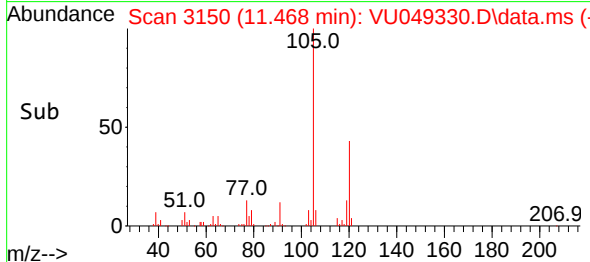
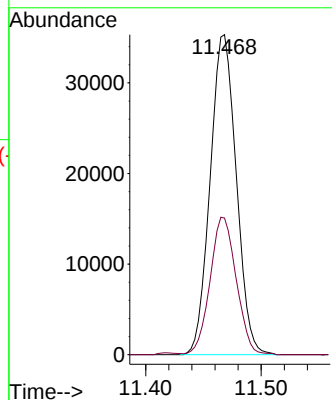
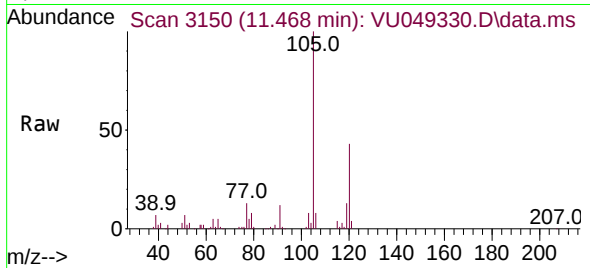




#62
1,3,5-Trimethylbenzene
Concen: 1.467 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.379 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

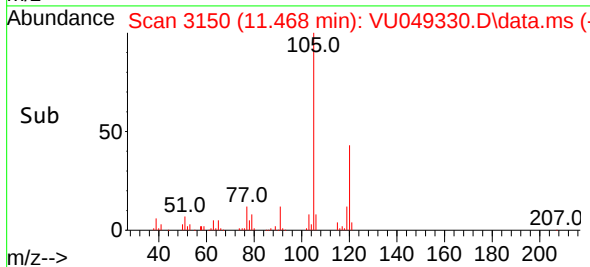
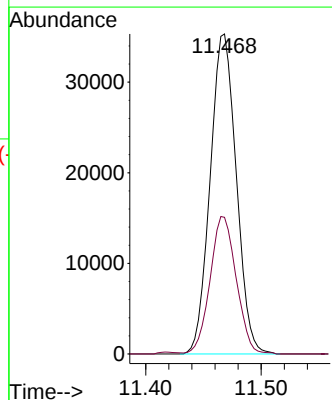
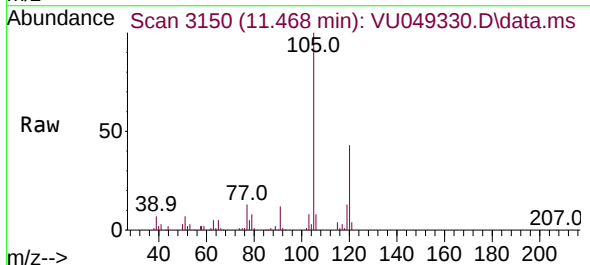
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

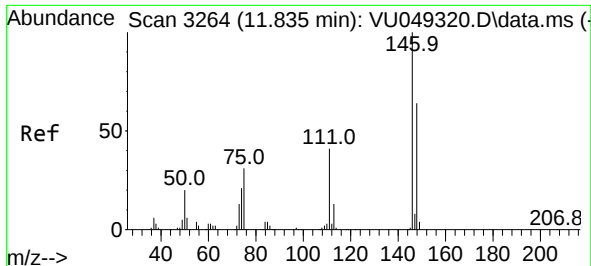
Tgt Ion:105 Resp: 55483
Ion Ratio Lower Upper
105 100
120 43.1 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 1.481 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion:105 Resp: 55483
Ion Ratio Lower Upper
105 100
120 43.1 34.6 52.0

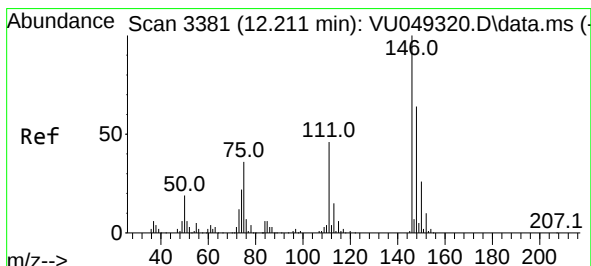
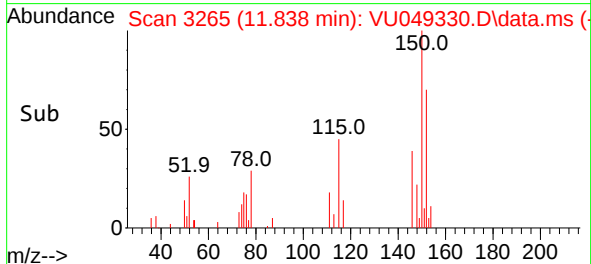
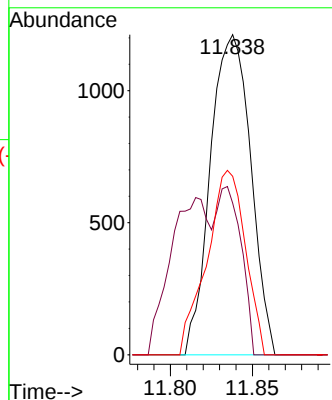
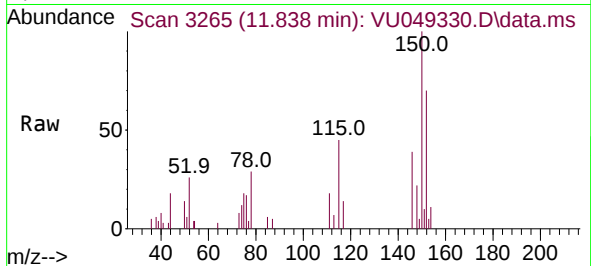




#65
1,4-Dichlorobenzene
Concen: 0.114 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

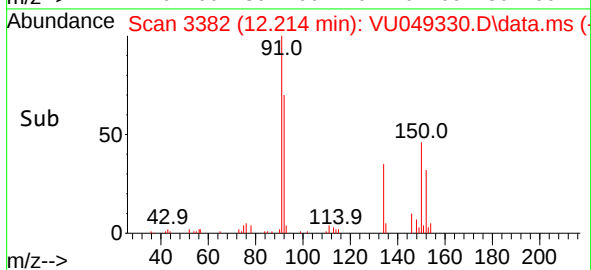
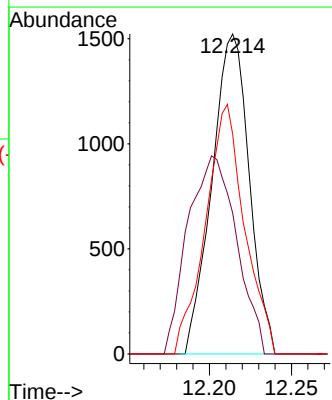
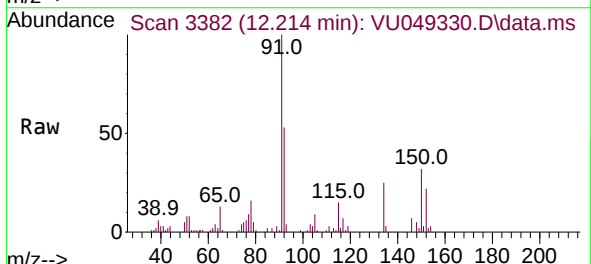
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

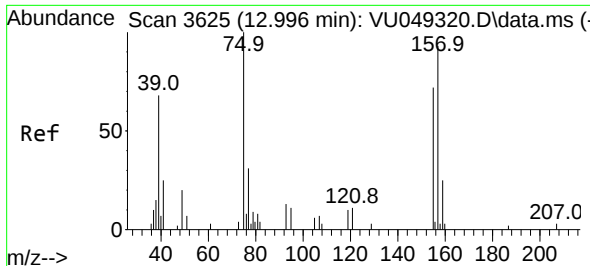
Tgt Ion:146 Resp: 2070
Ion Ratio Lower Upper
146 100
111 47.4 29.8 55.4
148 55.8 44.7 83.1



#67
1,2-Dichlorobenzene
Concen: 0.138 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion:146 Resp: 2403
Ion Ratio Lower Upper
146 100
111 44.1 36.6 55.0
148 68.7 52.2 78.4

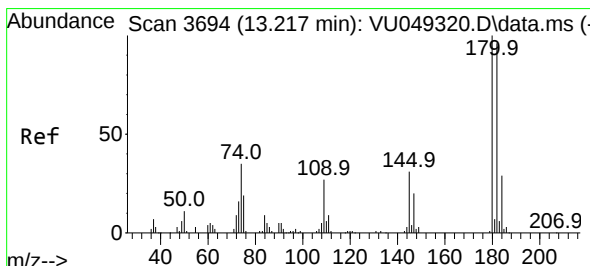
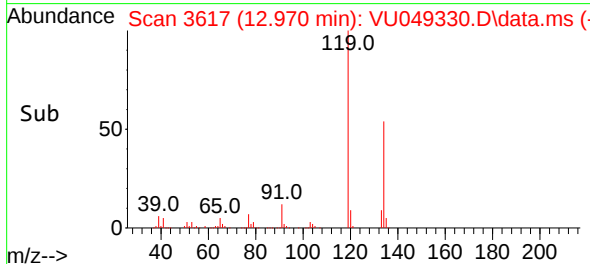
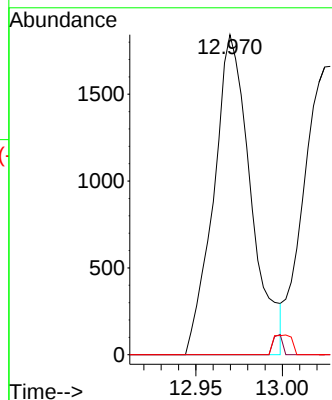
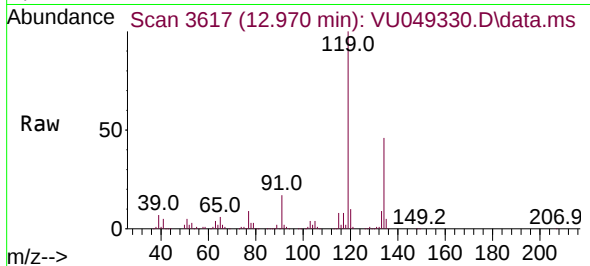




#68
1,2-Dibromo-3-chloropropane
Concen: 1.431 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.026 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

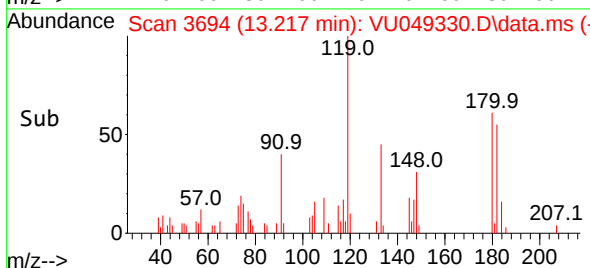
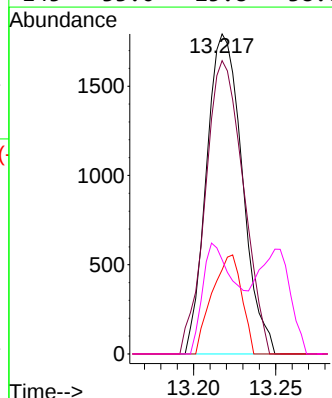
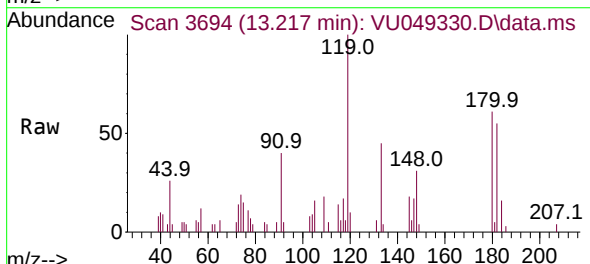
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

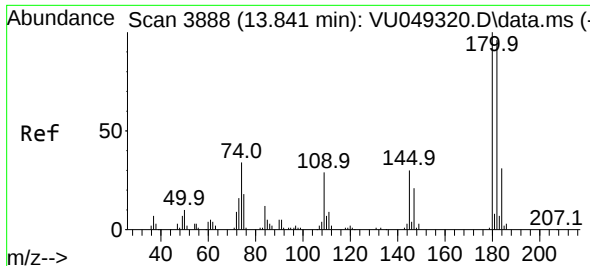
Tgt Ion: 75 Resp: 2753
Ion Ratio Lower Upper
75 100
155 0.0 52.0 78.0#
157 0.0 71.4 107.2#



#69
1,3,5-Trichlorobenzene
Concen: 0.197 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion: 180 Resp: 2716
Ion Ratio Lower Upper
180 100
182 96.5 75.0 112.4
184 25.6 23.2 34.8
145 33.0 25.8 38.6

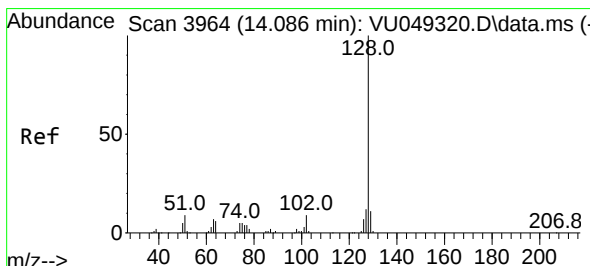
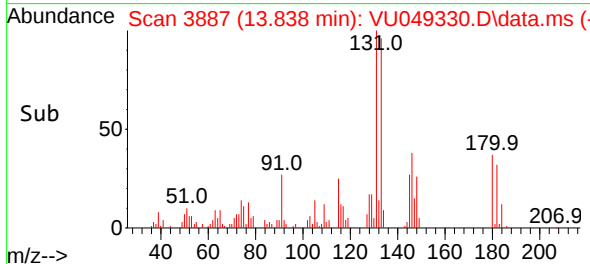
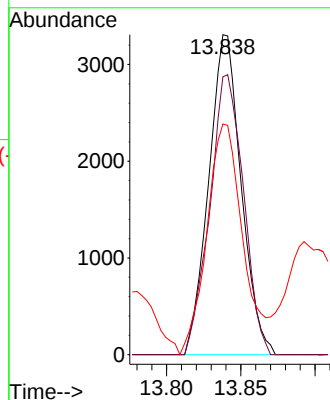
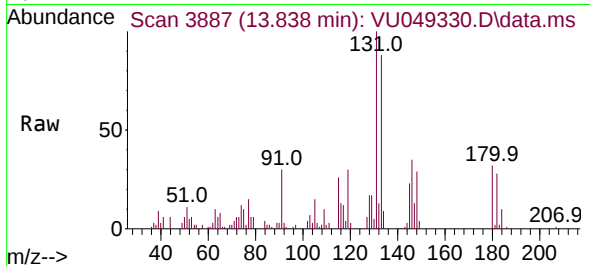




#70
1,2,4-trichlorobenzene
Concen: 0.460 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.003 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

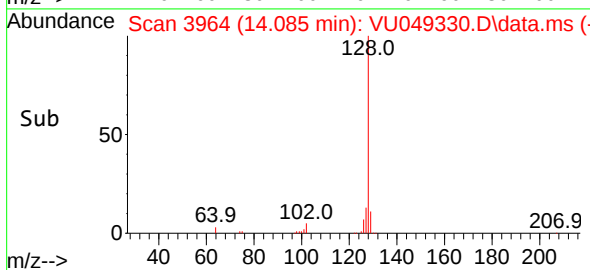
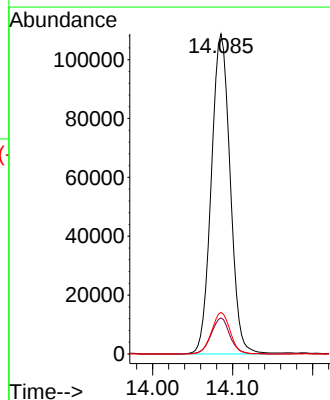
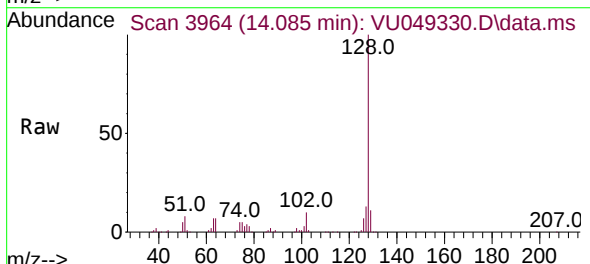
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

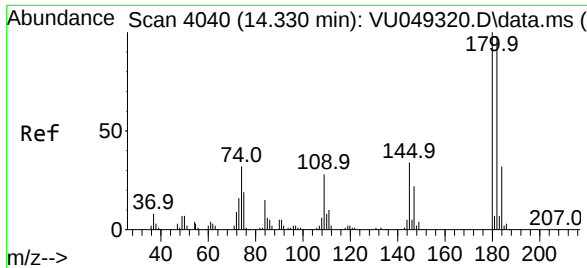
Tgt Ion:180 Resp: 5024
Ion Ratio Lower Upper
180 100
182 90.6 74.6 112.0
145 79.0 26.1 39.1#



#71
Naphthalene
Concen: 8.201 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049330.D
Acq: 21 Jun 2022 16:42

Tgt Ion:128 Resp: 178178
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.8 10.2 15.4





#72

1,2,3-Trichlorobenzene

Concen: 0.562 ug/L

RT: 14.330 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU049330.D

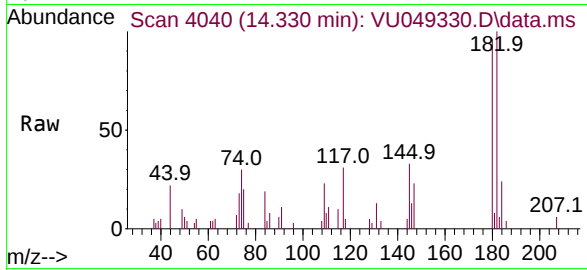
Acq: 21 Jun 2022 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AA3



Tgt Ion:180 Resp: 5782

Ion Ratio Lower Upper

180 100

182 94.0 75.6 113.4

145 44.2 27.9 41.9#

