

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071522\
 Data File : VU049748.D
 Acq On : 15 Jul 2022 19:44
 Operator : SY/MD
 Sample : N3748-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH0E9MSD

Quant Time: Jul 15 23:09:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 23:03:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	196743	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	184349	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	54402	32.772	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.540%
7) Chloroethane-d5	1.903	69	45357	37.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.565	63	110380	37.644	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.280%
21) 2-Butanone-d5	4.623	46	164233	115.894	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.890%
24) Chloroform-d	5.060	84	143323	48.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.500%
26) 1,2-Dichloroethane-d4	5.700	65	98661	49.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
32) Benzene-d6	5.726	84	246677	44.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.100%
36) 1,2-Dichloropropane-d6	6.690	67	93194	49.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.940%
41) Toluene-d8	7.896	98	210096	43.078	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.160%
43) trans-1,3-Dichloroprop...	8.179	79	38891	49.001	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.000%
47) 2-Hexanone-d5	8.632	63	91243	107.679	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.680%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	141024	53.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	80362	47.808	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	99255	42.086	ug/L	98
3) Chloromethane	1.520	50	123721	47.800	ug/L	99
5) Vinyl chloride	1.601	62	104430	44.650	ug/L	99
6) Bromomethane	1.842	94	49347	45.665	ug/L	98
8) Chloroethane	1.922	64	58630	45.252	ug/L	99
9) Trichlorofluoromethane	2.131	101	126942	43.949	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	63892	42.155	ug/L	99
12) 1,1-Dichloroethene	2.575	96	62812	44.654	ug/L	99
13) Acetone	2.626	43	110839	82.302	ug/L	96
14) Carbon disulfide	2.787	76	187473	39.522	ug/L	99
15) Methyl Acetate	2.948	43	117109	53.525	ug/L	100
16) Methylene chloride	3.041	84	87801	49.567	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	70381	45.738	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	279812	53.088	ug/L	99
19) 1,1-Dichloroethane	3.867	63	162986	50.876	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	88830	51.364	ug/L	97
22) 2-Butanone	4.700	43	184109	102.108	ug/L	100
23) Bromochloromethane	4.973	128	45075	52.235	ug/L	94
25) Chloroform	5.086	83	166611	51.865	ug/L	98

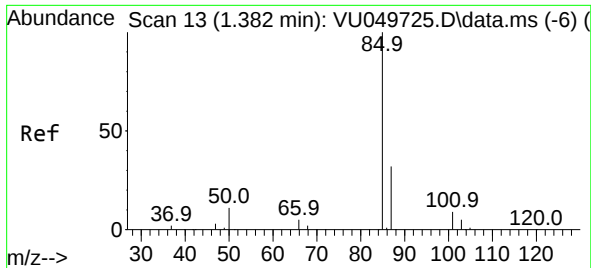
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	141088	51.579	ug/L	100
29) Cyclohexane	5.388	56	123731	43.000	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	132868	49.785	ug/L	100
31) Carbon tetrachloride	5.523	117	105195	48.192	ug/L	100
33) Benzene	5.771	78	346263	49.970	ug/L	100
34) Trichloroethene	6.543	95	79618	47.533	ug/L	98
35) Methylcyclohexane	6.761	83	108437	41.198	ug/L	97
37) 1,2-Dichloropropane	6.790	63	100752	52.457	ug/L	100
38) Bromodichloromethane	7.105	83	122887	51.605	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	134619	51.970	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	346712	111.508	ug/L	99
42) Toluene	7.967	91	343941	49.941	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	126696	52.092	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	89282	53.257	ug/L	98
46) Tetrachloroethene	8.552	164	53027	45.645	ug/L	99
48) 2-Hexanone	8.684	43	278576	112.116	ug/L	100
49) Dibromochloromethane	8.809	129	88581	52.534	ug/L	98
50) 1,2-Dibromoethane	8.922	107	93131	55.924	ug/L	98
51) Chlorobenzene	9.446	112	214955	51.541	ug/L	99
52) Ethylbenzene	9.568	91	353775	48.680	ug/L	98
53) m,p-Xylene	9.694	106	132638	50.192	ug/L	95
54) o-Xylene	10.099	106	133992	50.357	ug/L	95
55) Styrene	10.115	104	227932	51.906	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	158720	52.890	ug/L	100
59) Bromoform	10.288	173	62550	52.310	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	129715	54.624	ug/L	99
61) Isopropylbenzene	10.485	105	335291	50.367	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	285938	50.922	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	284432	50.988	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	145252	49.983	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	142801	48.919	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	154515	51.134	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	38176	54.865	ug/L	99
69) 1,3,5-Trichlorobenzene	13.218	180	97918	48.086	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	87157	46.641	ug/L	98
71) Naphthalene	14.086	128	359482	53.813	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	99632	51.471	ug/L	100

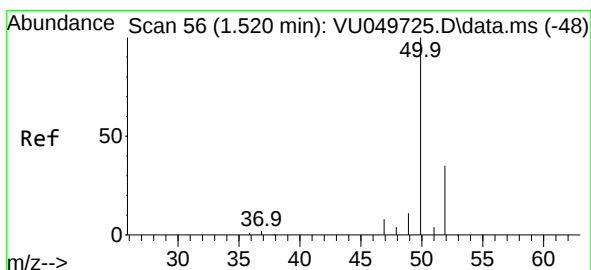
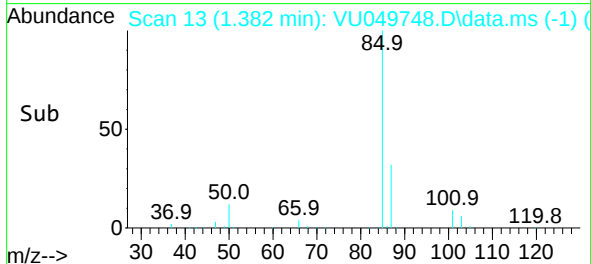
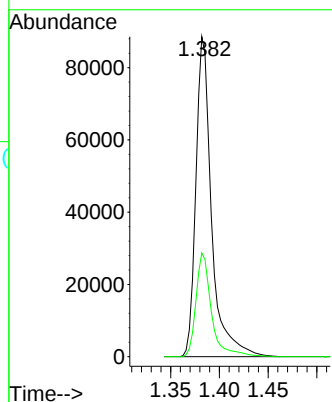
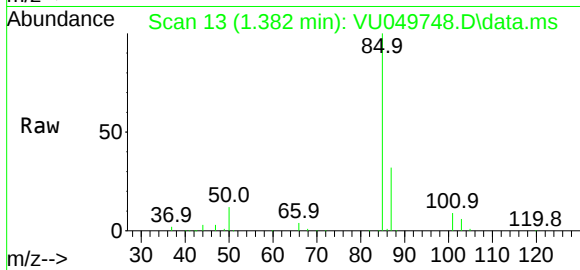
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 42.086 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

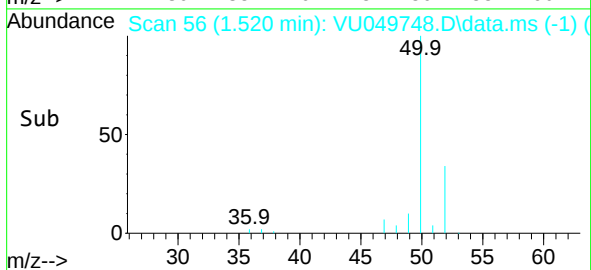
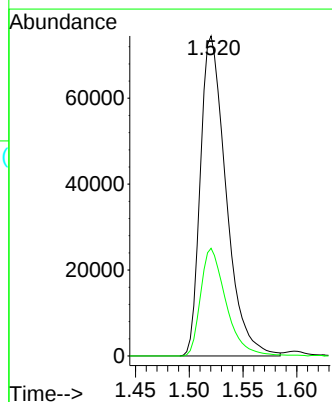
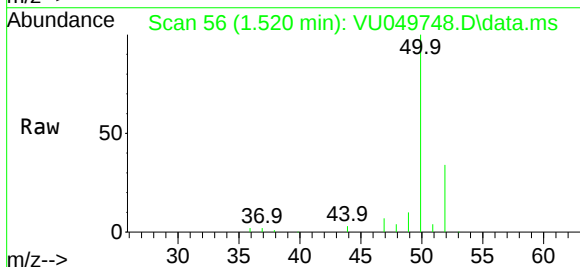
Instrument :
MSVOA_U
ClientSampleId :
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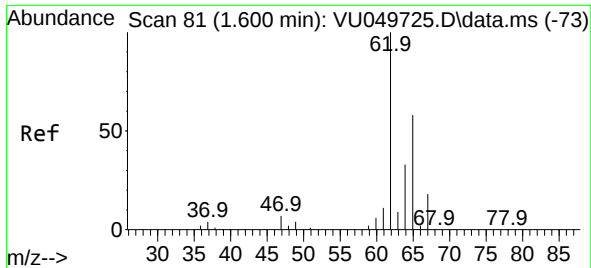
Tgt Ion: 85 Resp: 99255
Ion Ratio Lower Upper
85 100
87 32.0 26.3 39.5



#3
Chloromethane
Concen: 47.800 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 50 Resp: 123721
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.0

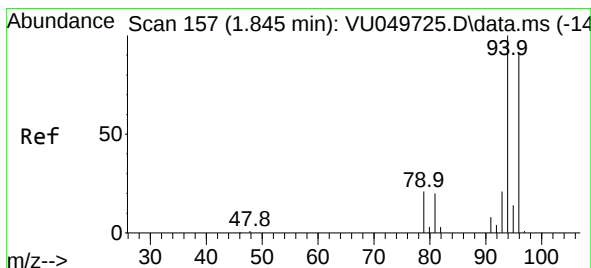
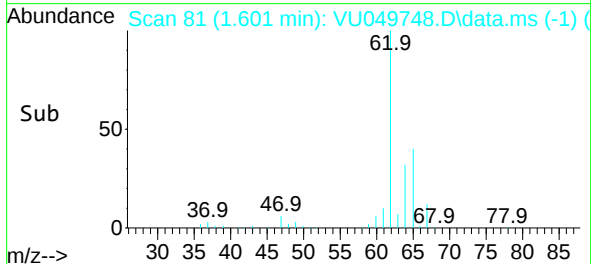
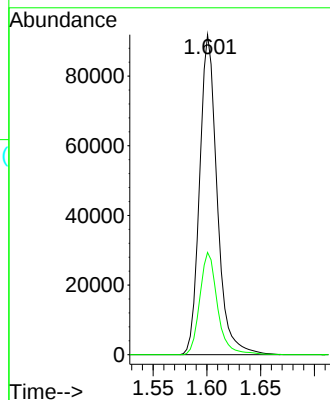
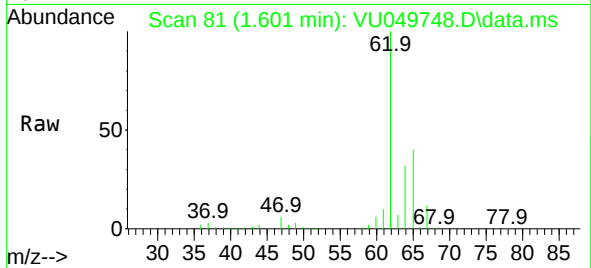




#5
 Vinyl chloride
 Concen: 44.650 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049748.D
 Acq: 15 Jul 2022 19:44

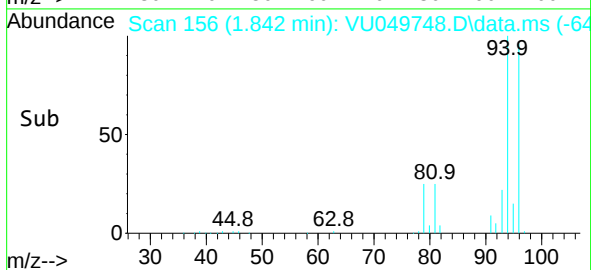
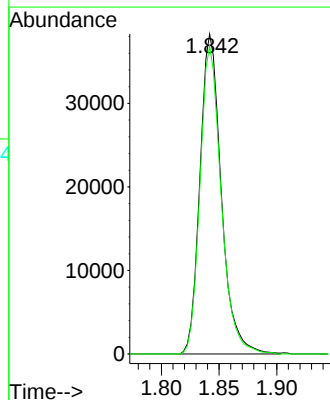
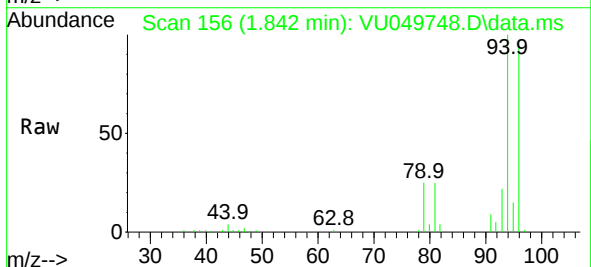
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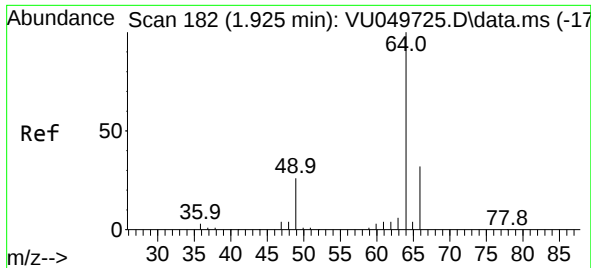
Tgt Ion: 62 Resp: 104430
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.0 42.6



#6
 Bromomethane
 Concen: 45.665 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.003 min
 Lab File: VU049748.D
 Acq: 15 Jul 2022 19:44

Tgt Ion: 94 Resp: 49347
 Ion Ratio Lower Upper
 94 100
 96 96.2 66.1 122.7

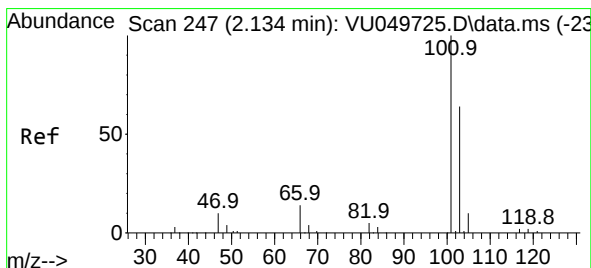
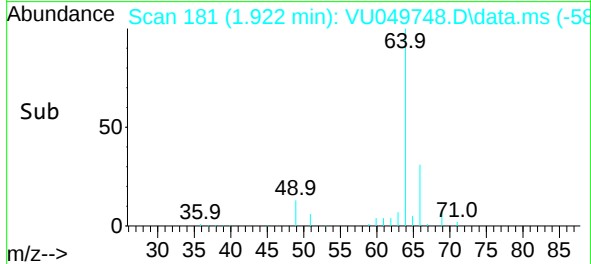
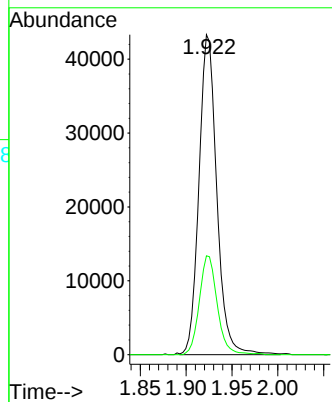
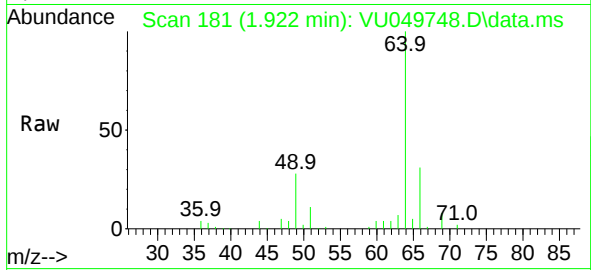




#8
Chloroethane
Concen: 45.252 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

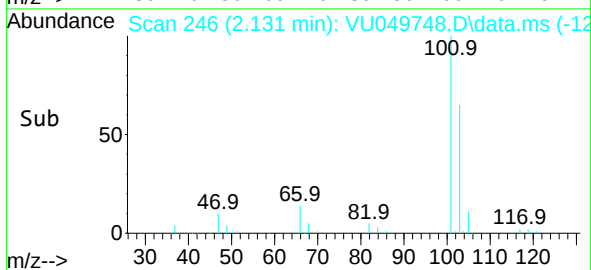
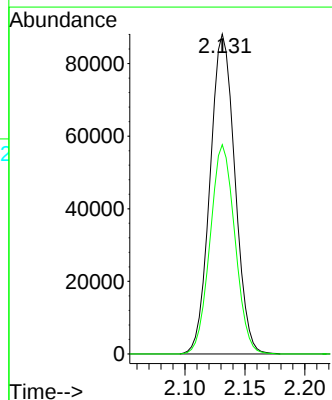
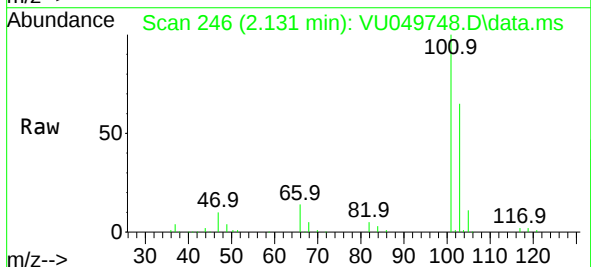
Instrument :
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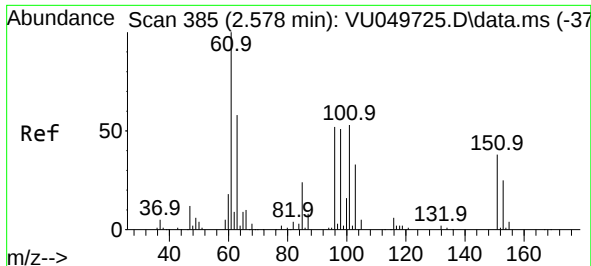
Tgt Ion: 64 Resp: 58630
Ion Ratio Lower Upper
64 100
66 30.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 43.949 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:101 Resp: 126942
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 42.155 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

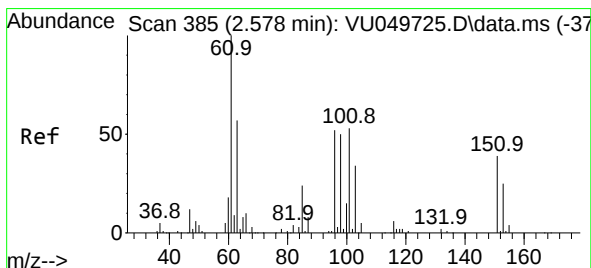
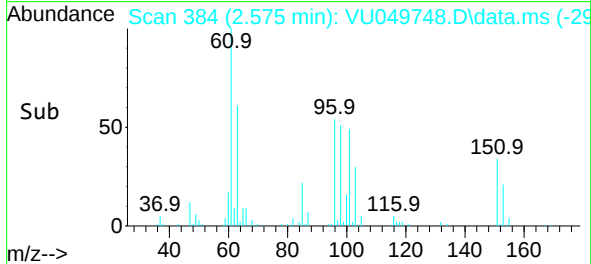
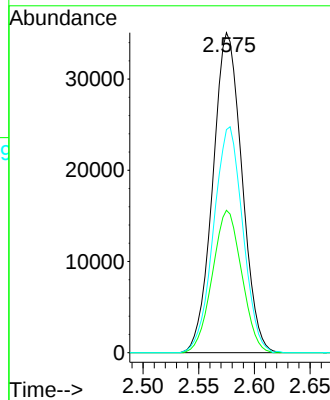
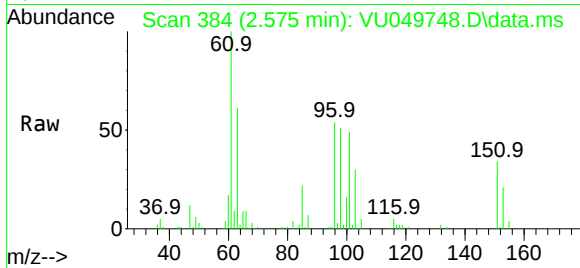
Tgt Ion:101 Resp: 63892

Ion Ratio Lower Upper

101 100

85 44.7 37.3 55.9

151 71.0 56.9 85.3



#12

1,1-Dichloroethene

Concen: 44.654 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

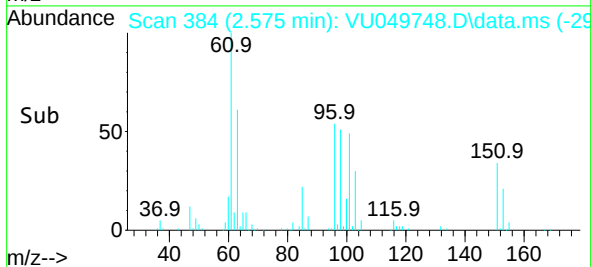
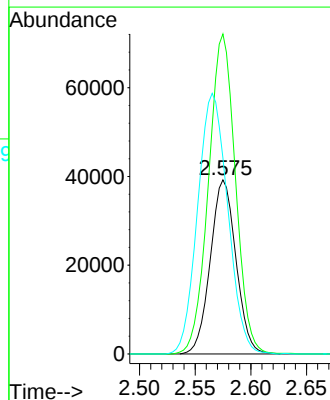
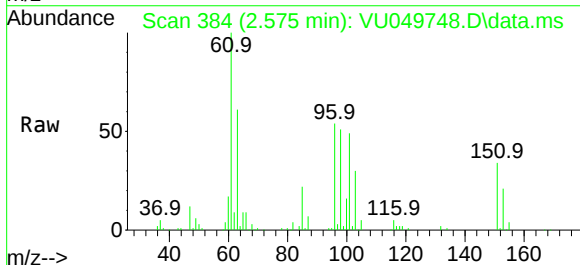
Tgt Ion: 96 Resp: 62812

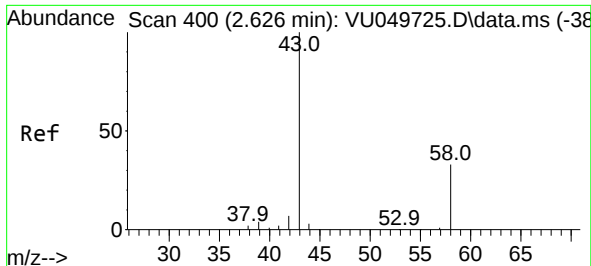
Ion Ratio Lower Upper

96 100

61 183.8 129.6 240.6

63 112.6 79.0 146.6





#13

Acetone

Concen: 82.302 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

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MSVOA_U

ClientSampleId :

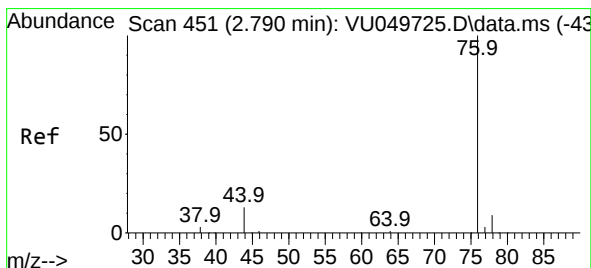
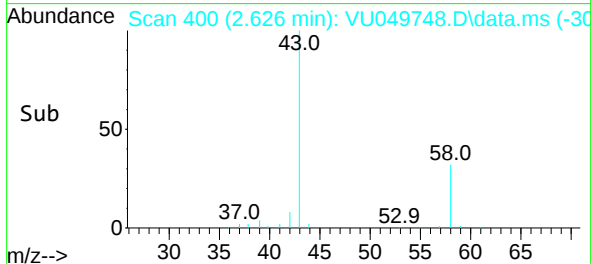
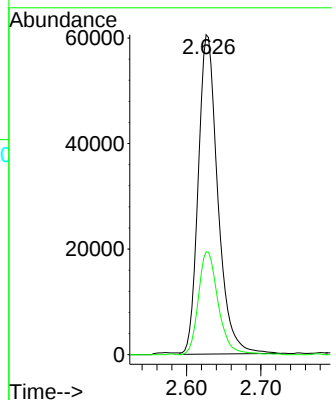
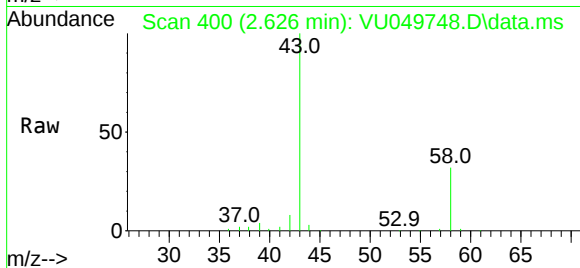
BH0E9MSD

Tgt Ion: 43 Resp: 110839

Ion Ratio Lower Upper

43 100

58 32.7 0.0 61.4



#14

Carbon disulfide

Concen: 39.522 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049748.D

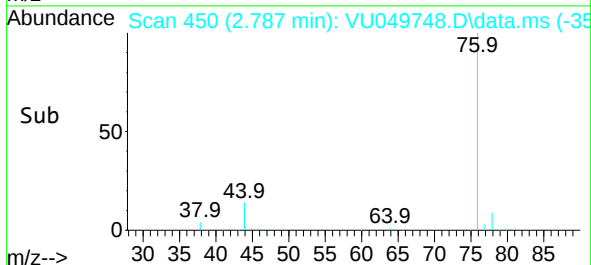
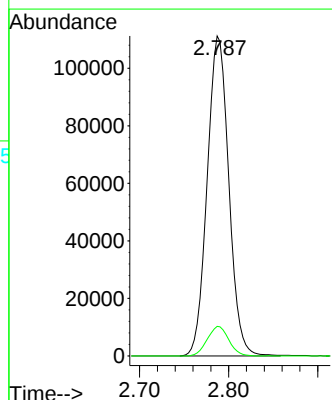
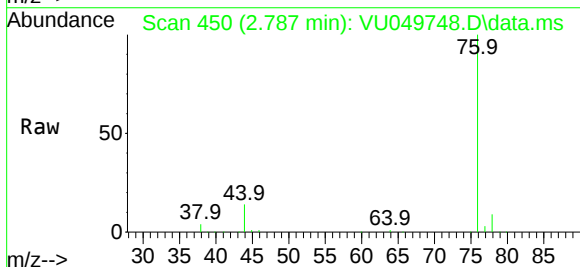
Acq: 15 Jul 2022 19:44

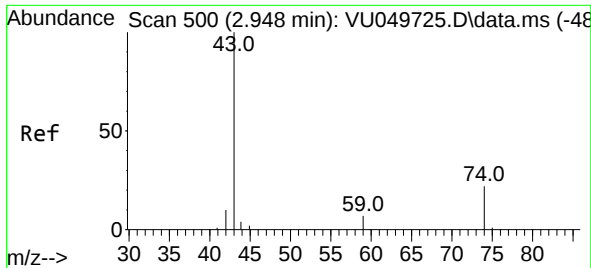
Tgt Ion: 76 Resp: 187473

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

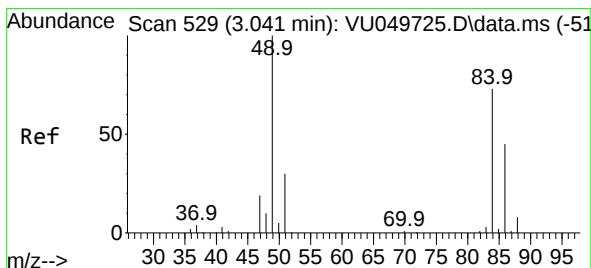
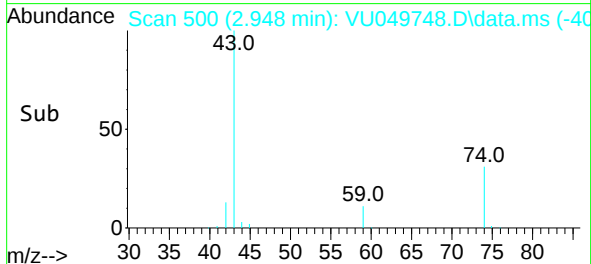
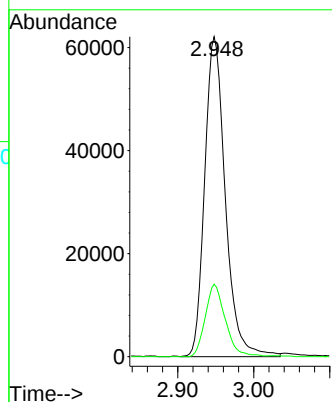
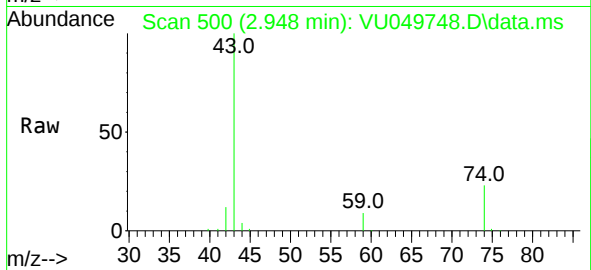




#15
Methyl Acetate
Concen: 53.525 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

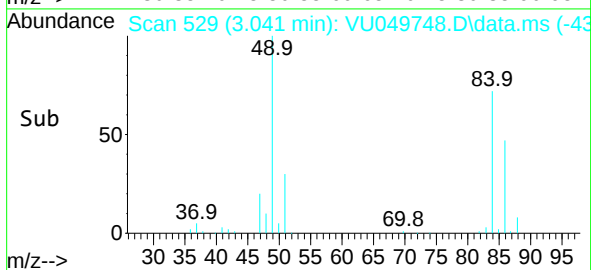
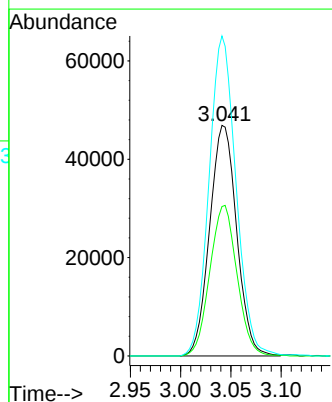
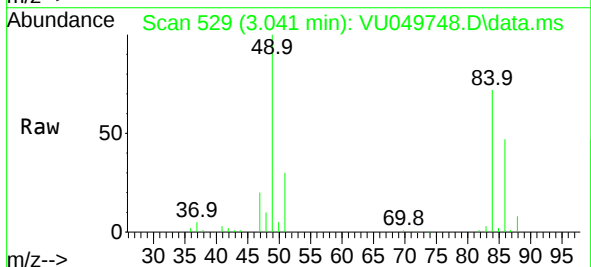
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

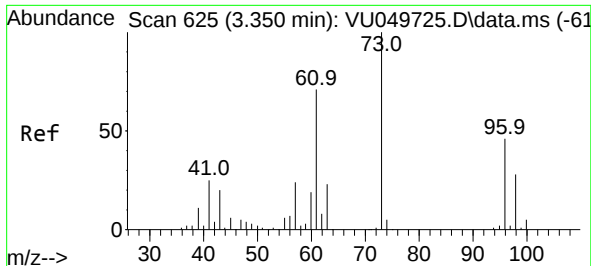
Tgt Ion: 43 Resp: 117109
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0



#16
Methylene chloride
Concen: 49.567 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 84 Resp: 87801
Ion Ratio Lower Upper
84 100
86 64.8 45.6 84.6
49 138.8 94.4 175.4

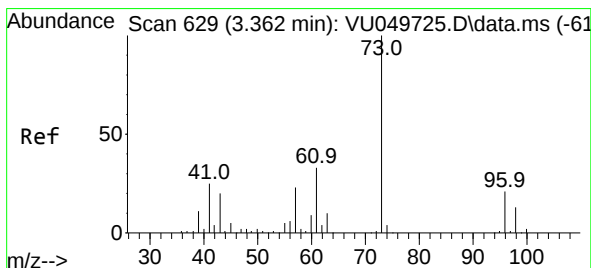
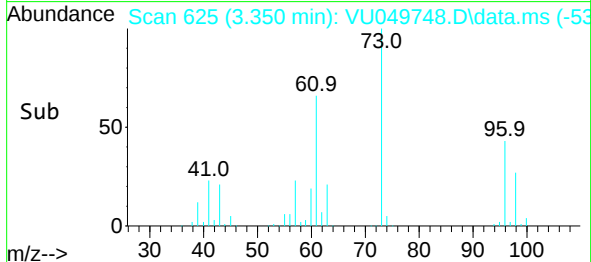
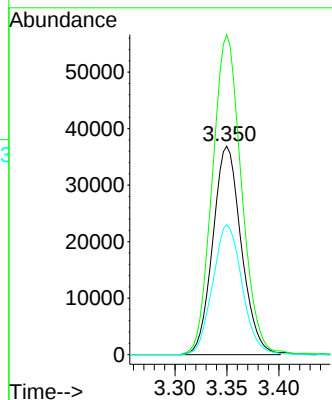
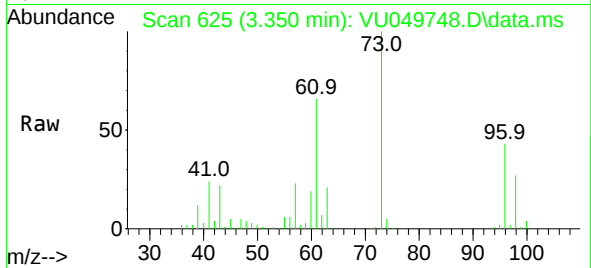




#17
trans-1,2-Dichloroethene
Concen: 45.738 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

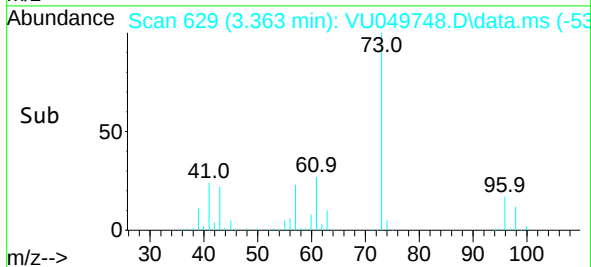
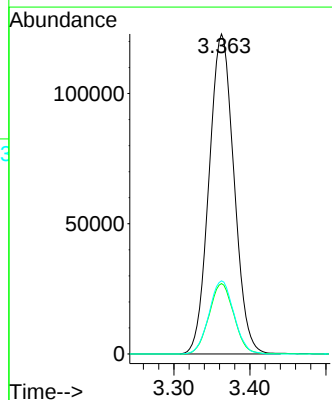
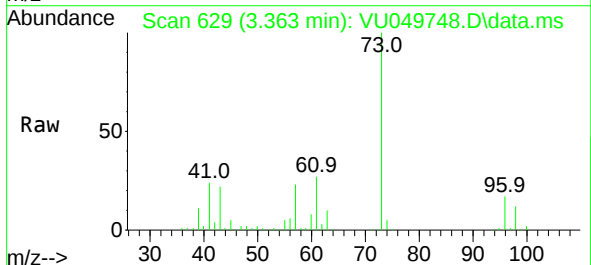
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

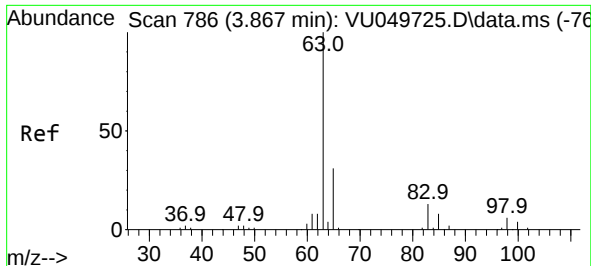
Tgt Ion: 96 Resp: 70381
Ion Ratio Lower Upper
96 100
61 153.5 107.6 199.8
98 62.4 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 53.088 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 73 Resp: 279812
Ion Ratio Lower Upper
73 100
43 21.9 17.0 25.4
57 22.8 18.5 27.7

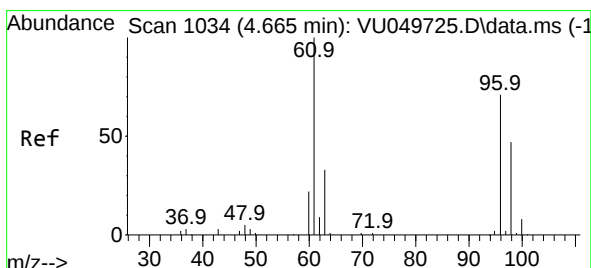
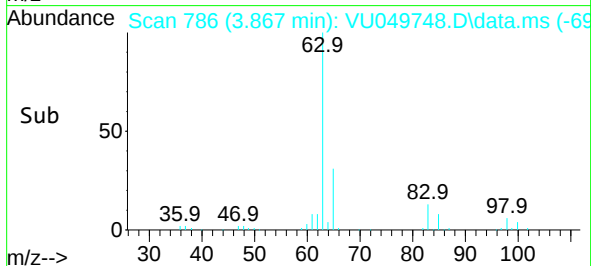
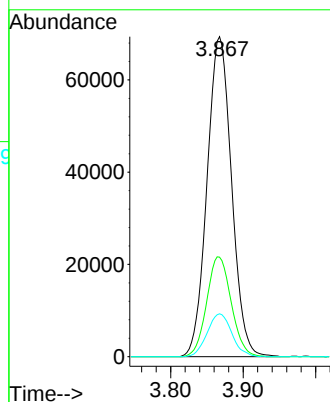
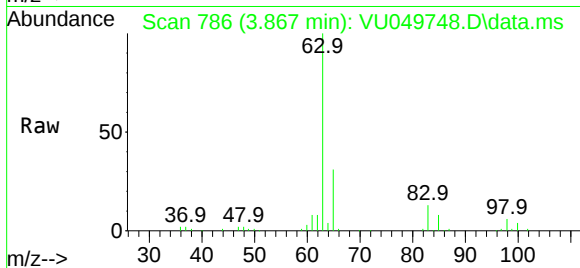




#19
1,1-Dichloroethane
Concen: 50.876 ug/L
RT: 3.867 min Scan# 719
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

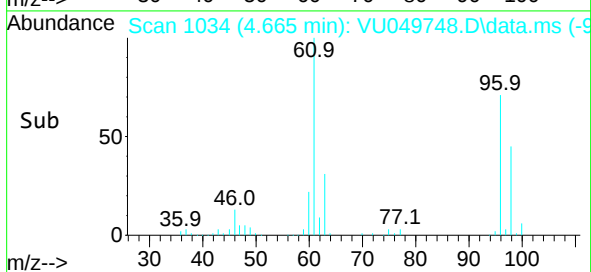
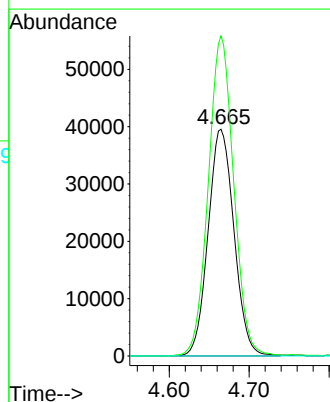
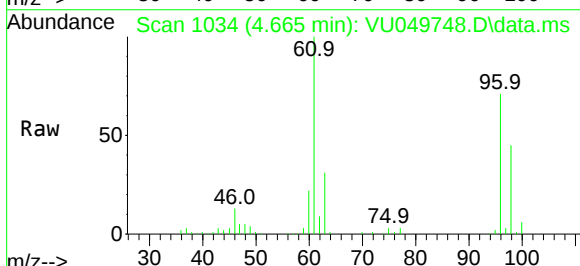
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

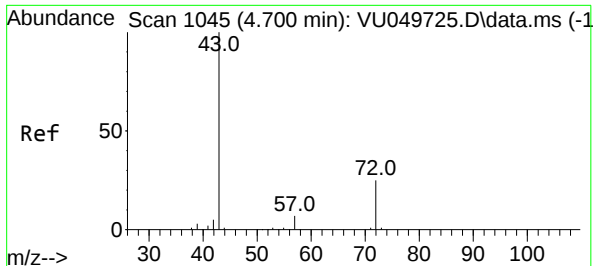
Tgt Ion: 63 Resp: 162986
Ion Ratio Lower Upper
63 100
65 31.1 22.6 42.0
83 13.4 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 51.364 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 96 Resp: 88830
Ion Ratio Lower Upper
96 100
61 141.1 101.1 187.7
68 0.0 0.0 0.0

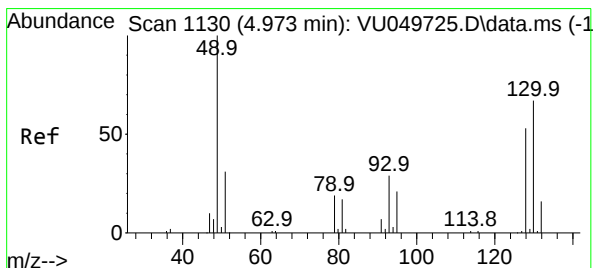
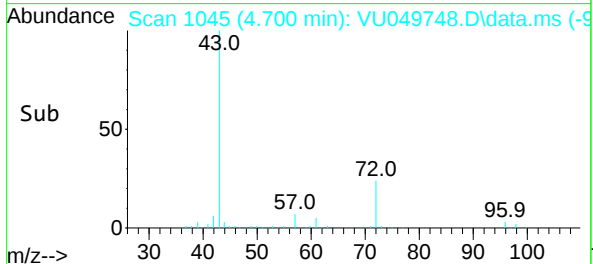
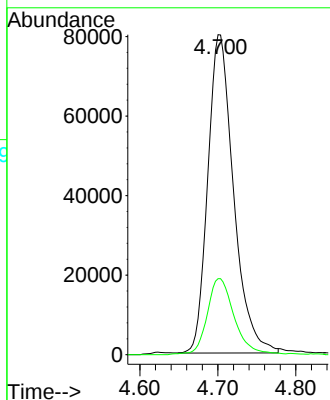
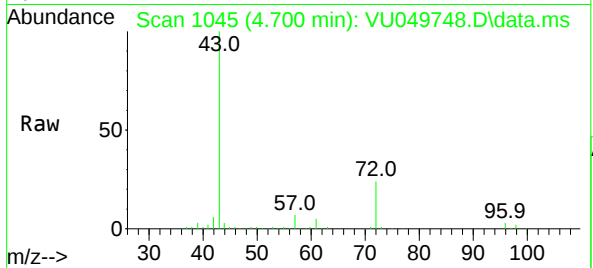




#22
2-Butanone
Concen: 102.108 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

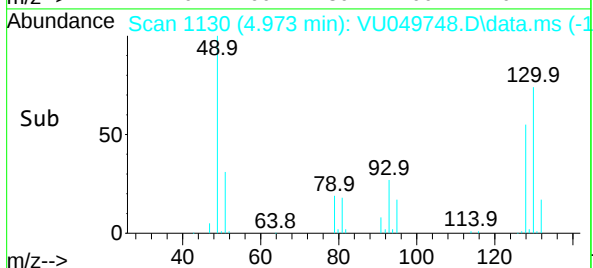
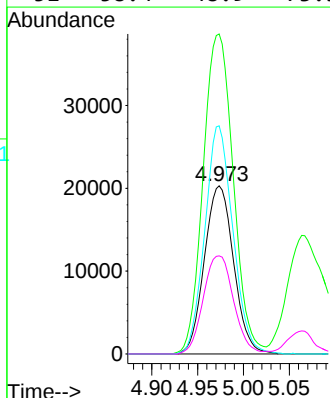
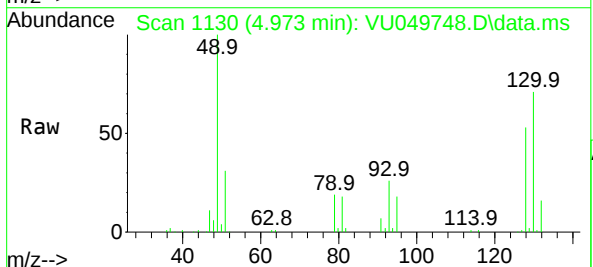
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

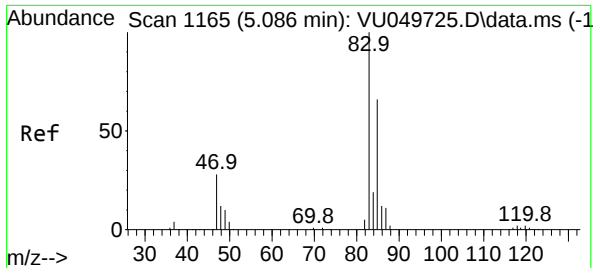
Tgt Ion: 43 Resp: 184109
Ion Ratio Lower Upper
43 100
72 25.2 12.7 38.0



#23
Bromochloromethane
Concen: 52.235 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:128 Resp: 45075
Ion Ratio Lower Upper
128 100
49 190.2 140.9 261.7
130 135.6 90.0 167.2
51 58.4 48.9 73.3

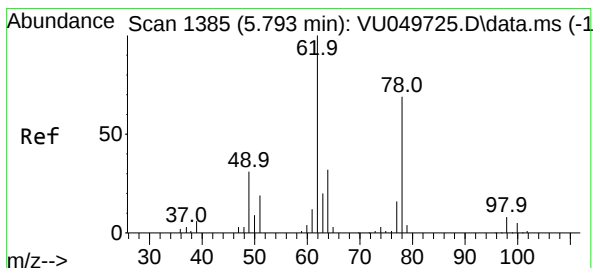
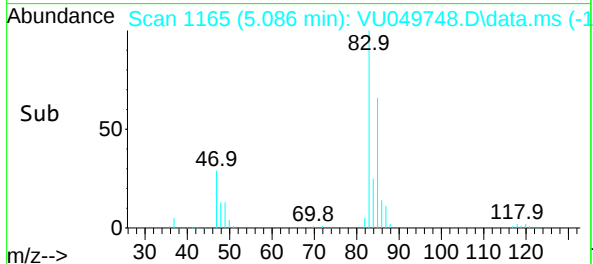
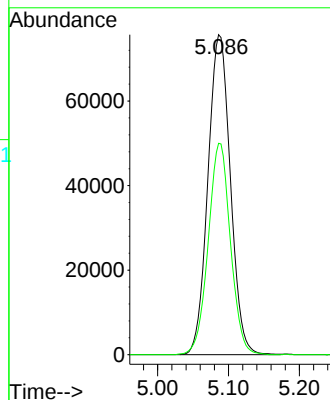
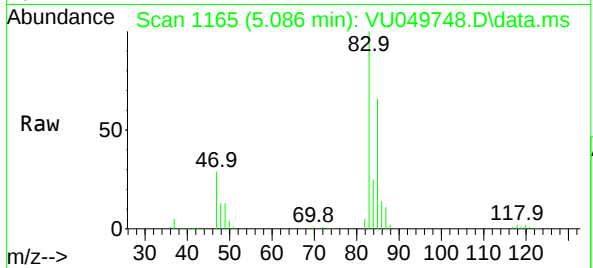




#25
Chloroform
Concen: 51.865 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

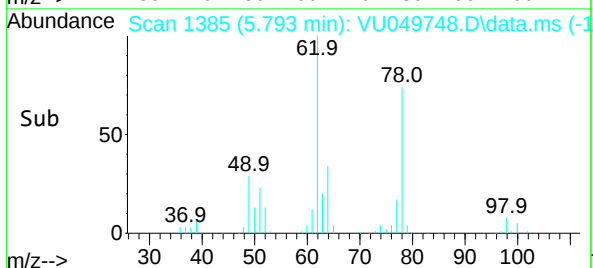
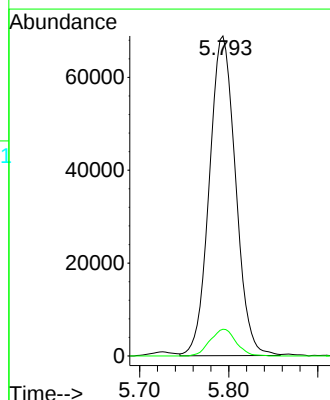
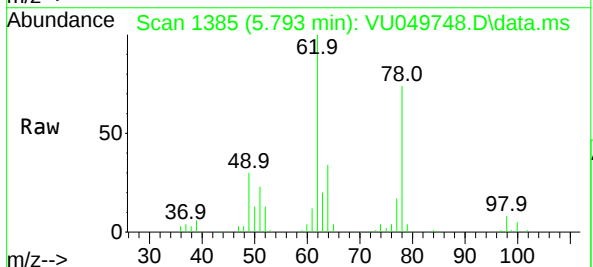
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

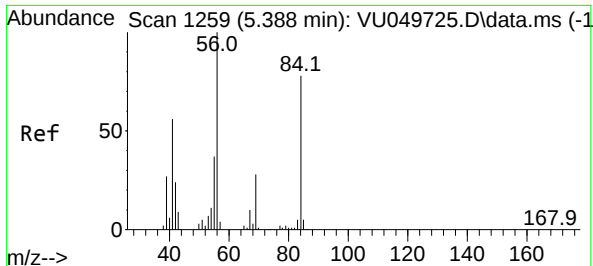
Tgt Ion: 83 Resp: 166611
Ion Ratio Lower Upper
83 100
85 66.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 51.579 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 62 Resp: 141088
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 43.000 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

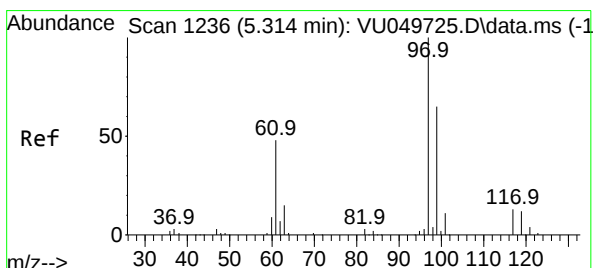
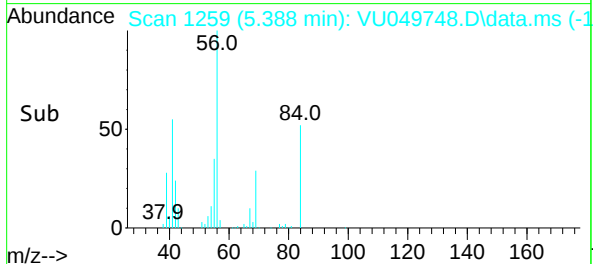
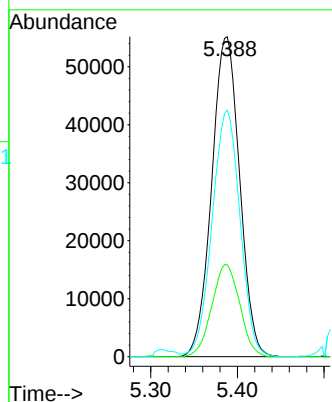
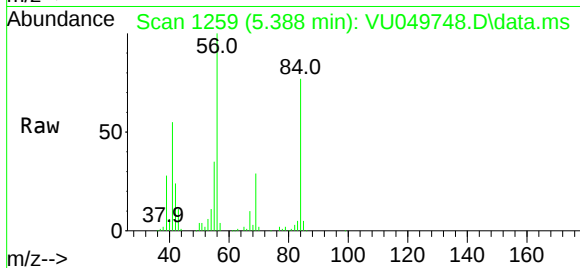
Tgt Ion: 56 Resp: 123731

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.2

84 77.0 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 49.785 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

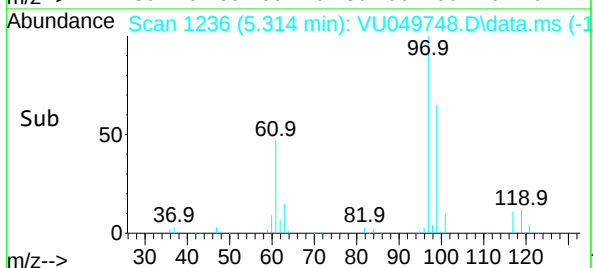
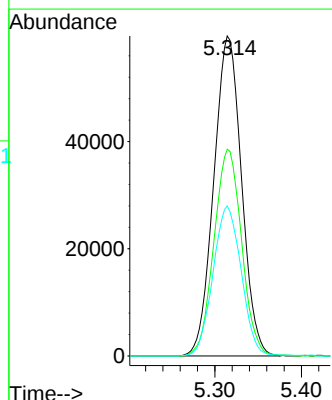
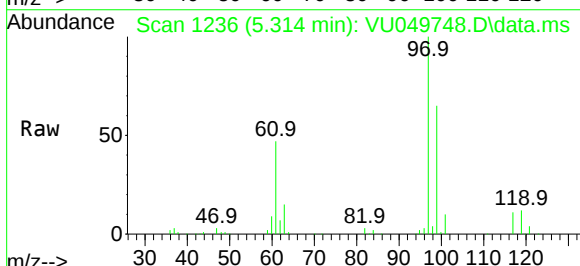
Tgt Ion: 97 Resp: 132868

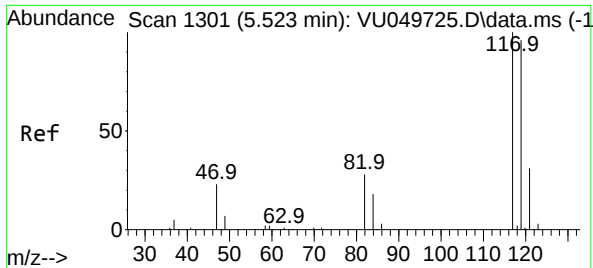
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 47.5 38.2 57.2

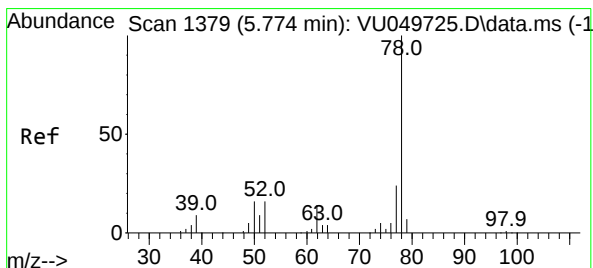
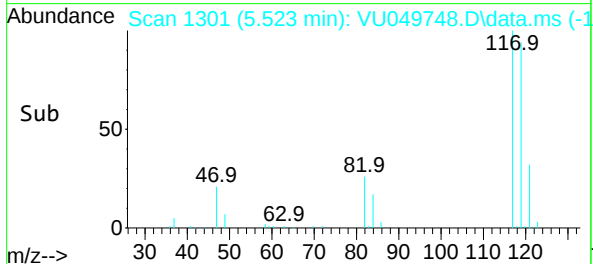
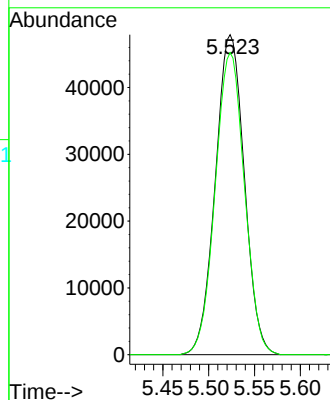
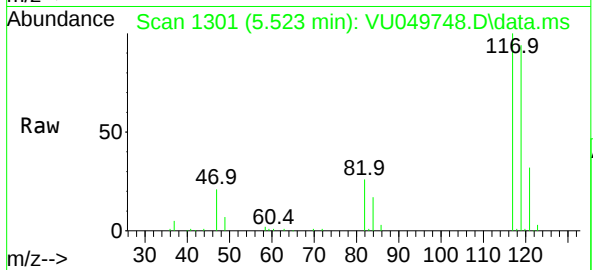




#31
Carbon tetrachloride
Concen: 48.192 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

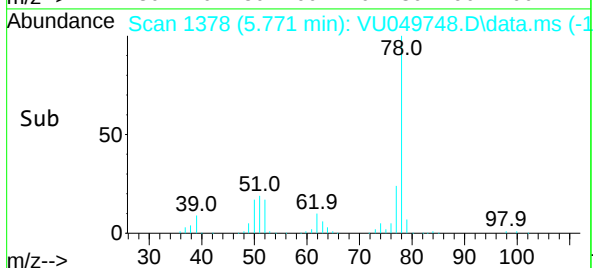
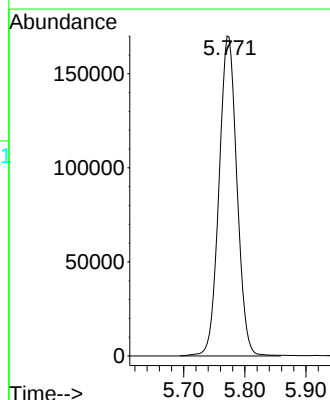
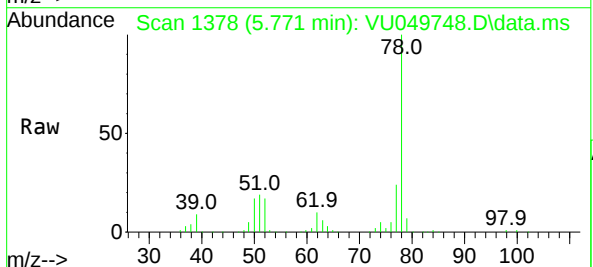
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

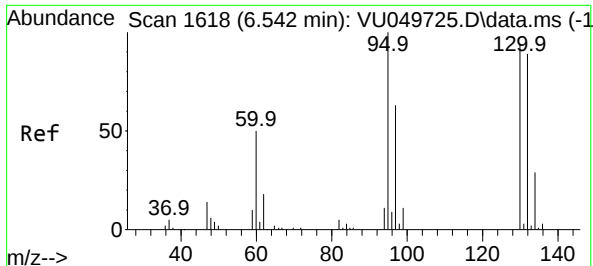
Tgt Ion:117 Resp: 105195
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.8



#33
Benzene
Concen: 49.970 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 78 Resp: 346263





#34

Trichloroethene

Concen: 47.533 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

Tgt Ion: 95 Resp: 79618

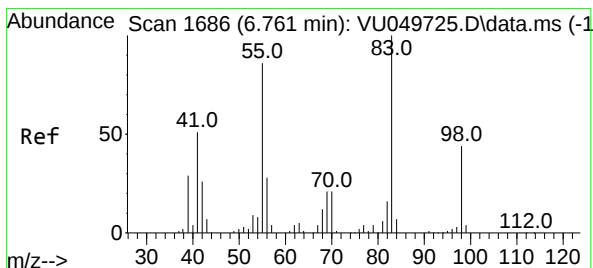
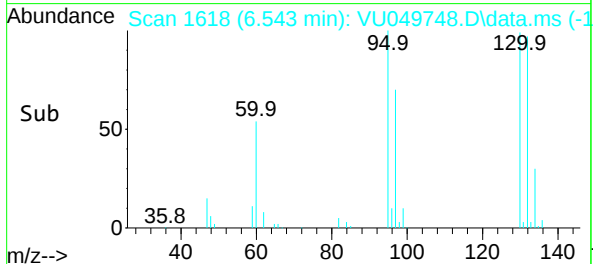
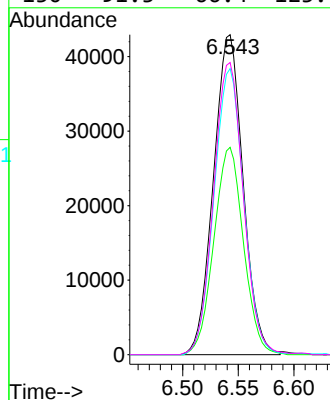
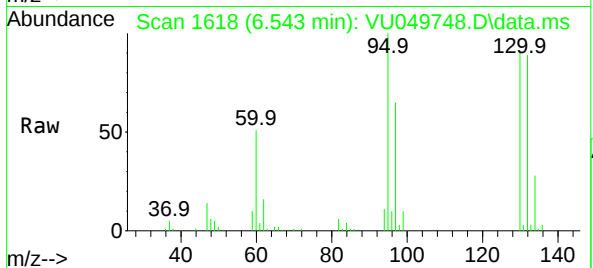
Ion Ratio Lower Upper

95 100

97 64.8 46.9 87.1

132 89.4 62.7 116.5

130 91.3 66.4 123.4



#35

Methylcyclohexane

Concen: 41.198 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

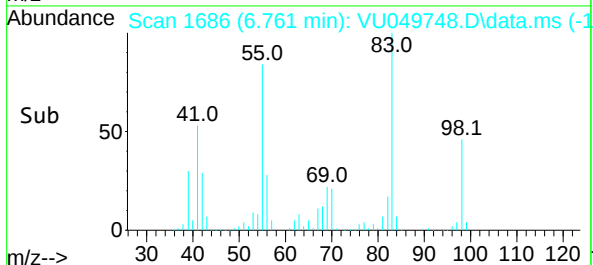
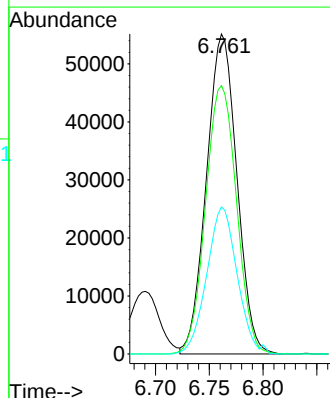
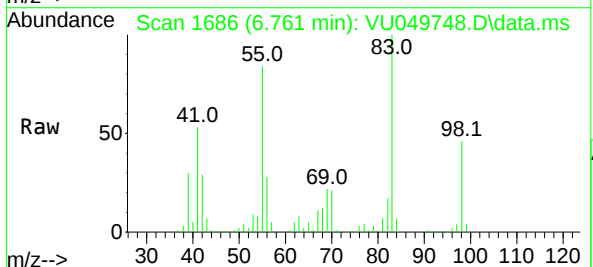
Tgt Ion: 83 Resp: 108437

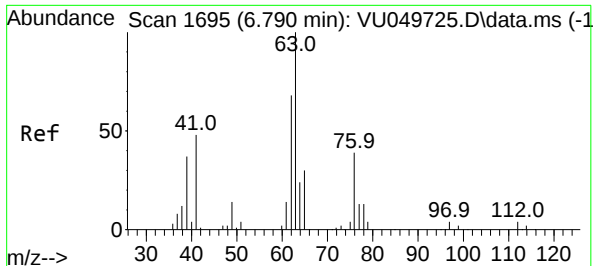
Ion Ratio Lower Upper

83 100

55 85.4 66.0 99.0

98 45.5 34.6 51.8





#37

1,2-Dichloropropane

Concen: 52.457 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

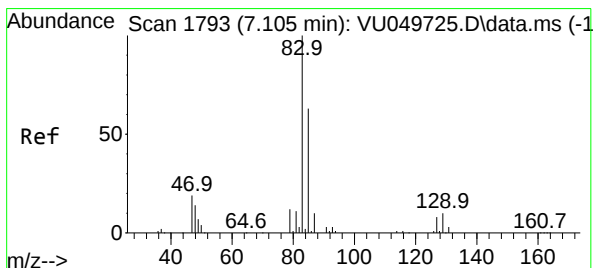
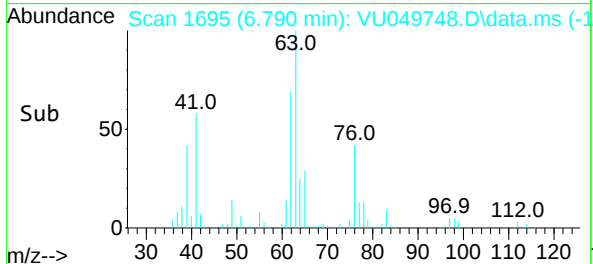
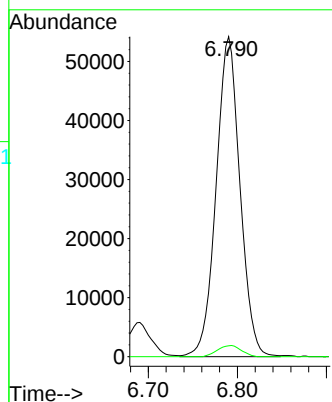
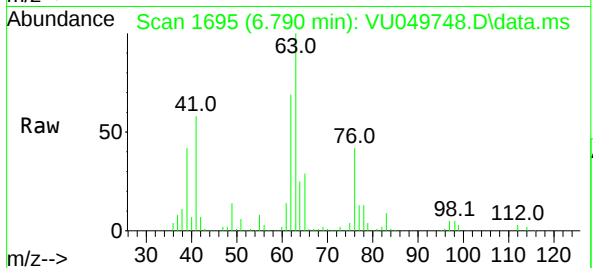
BH0E9MSD

Tgt Ion: 63 Resp: 100752

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 51.605 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

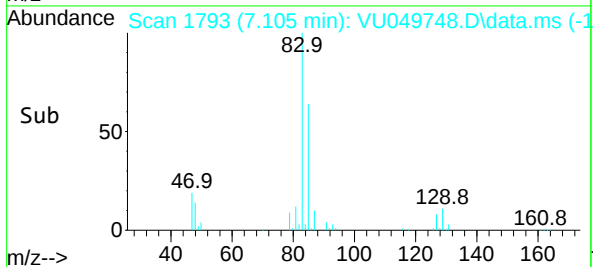
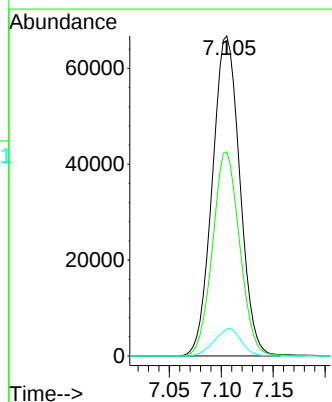
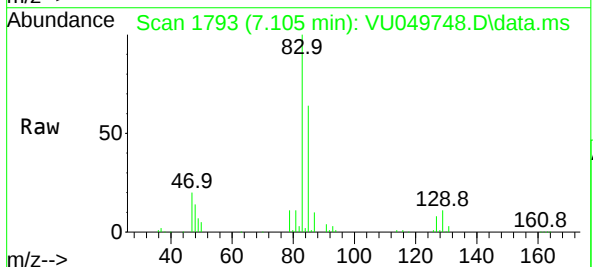
Tgt Ion: 83 Resp: 122887

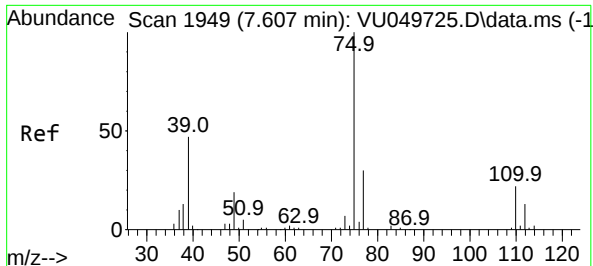
Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.2

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.970 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

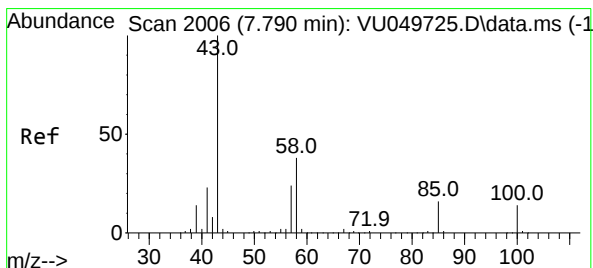
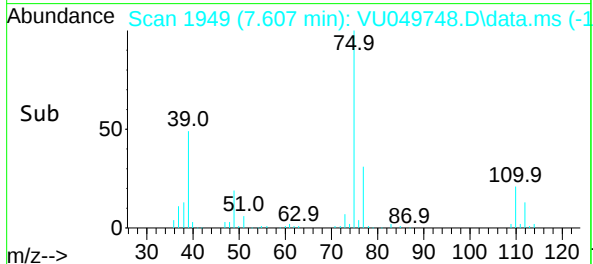
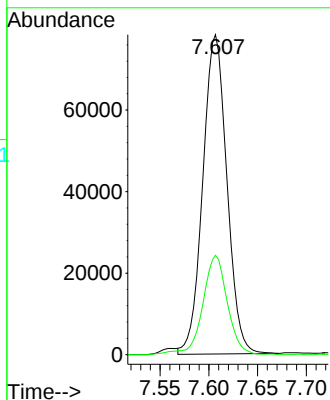
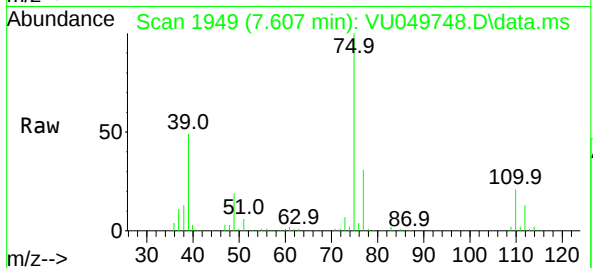
BH0E9MSD

Tgt Ion: 75 Resp: 134619

Ion Ratio Lower Upper

75 100

77 31.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 111.508 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

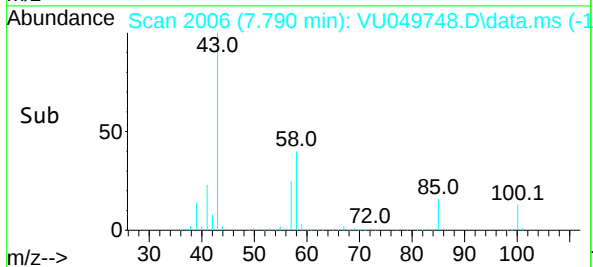
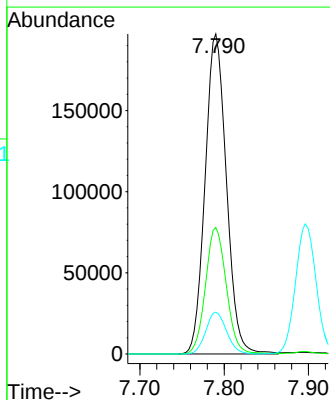
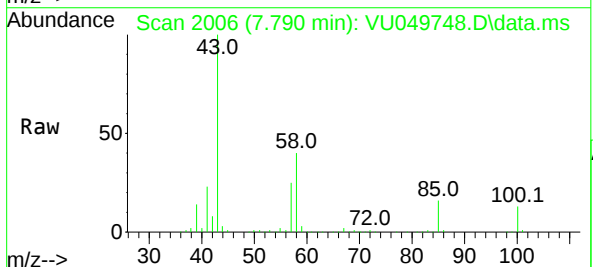
Tgt Ion: 43 Resp: 346712

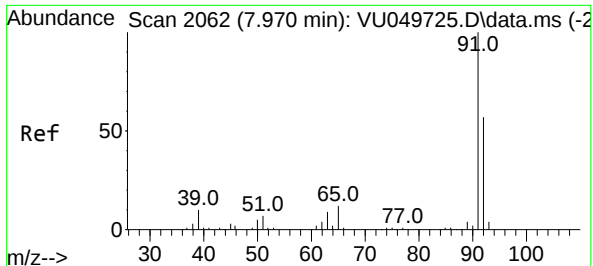
Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.0

100 12.7 10.3 15.5





#42

Toluene

Concen: 49.941 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

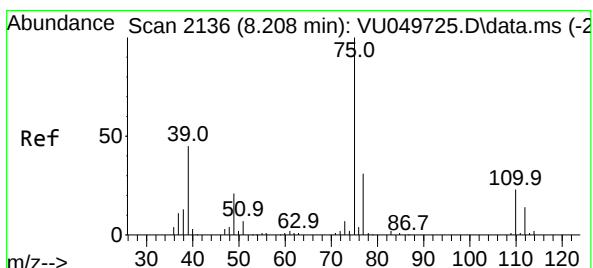
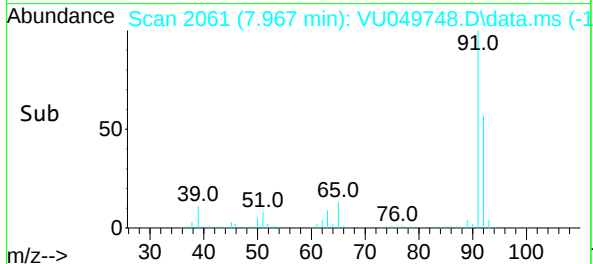
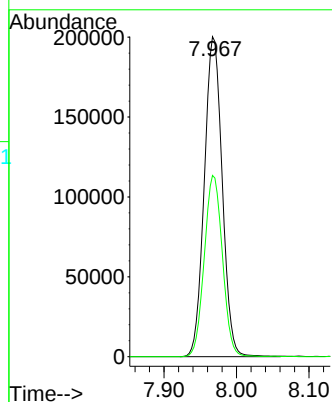
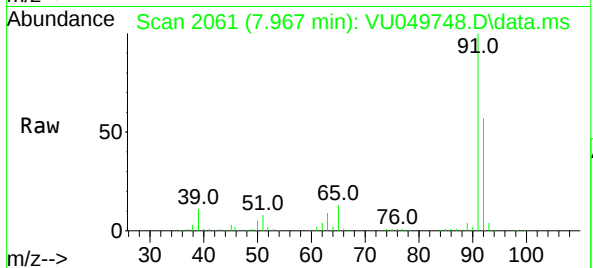
BH0E9MSD

Tgt Ion: 91 Resp: 343941

Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 52.092 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU049748.D

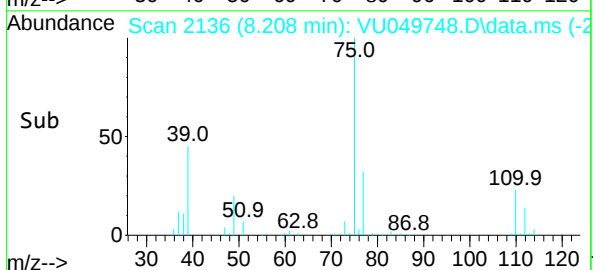
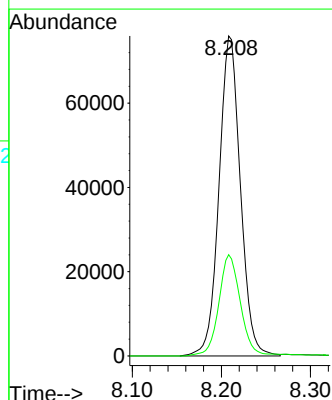
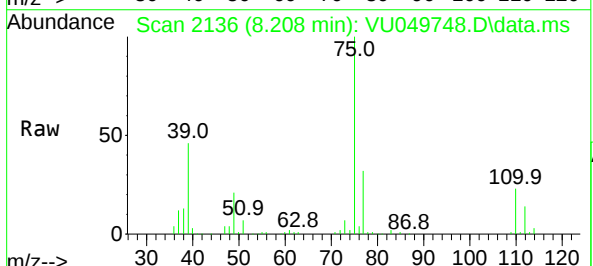
Acq: 15 Jul 2022 19:44

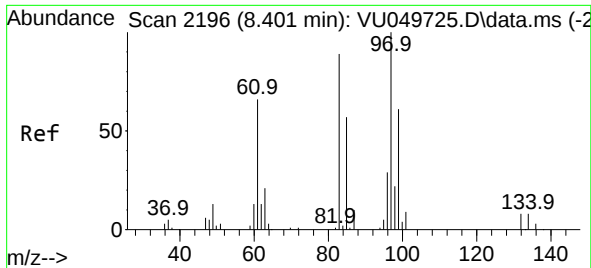
Tgt Ion: 75 Resp: 126696

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9

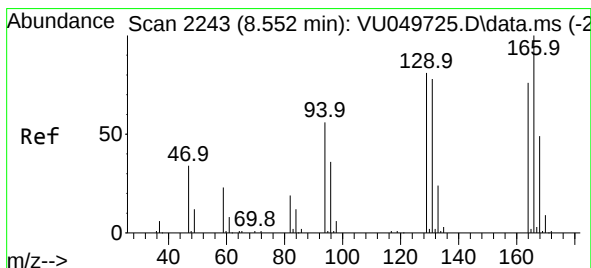
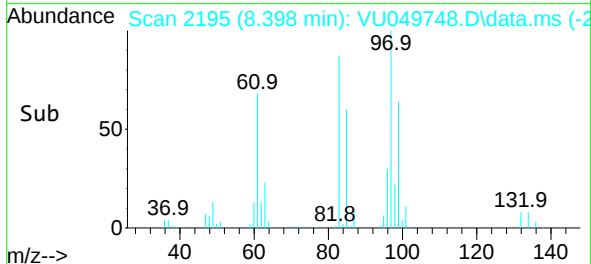
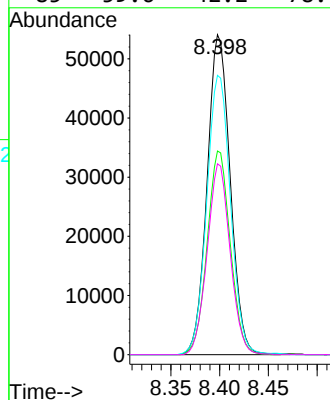
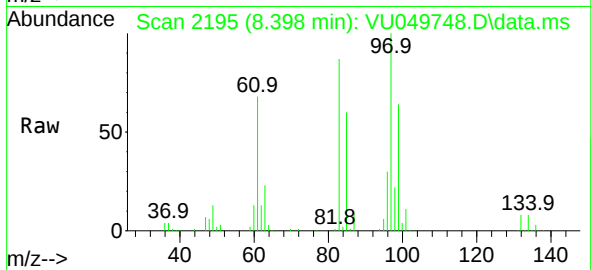




#45
1,1,2-Trichloroethane
Concen: 53.257 ug/L
RT: 8.398 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

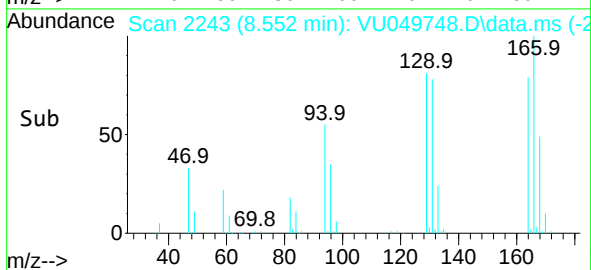
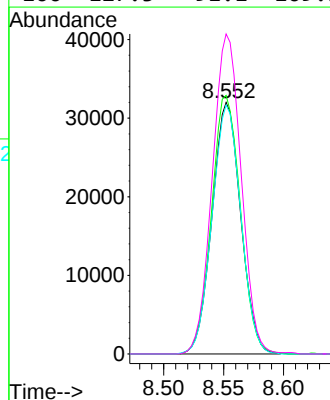
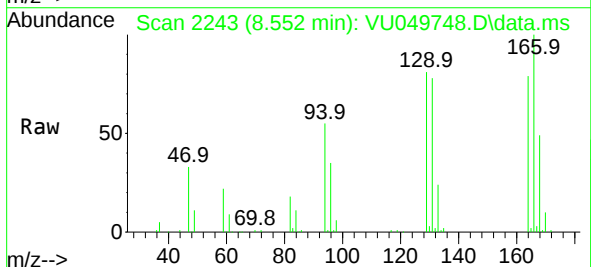
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

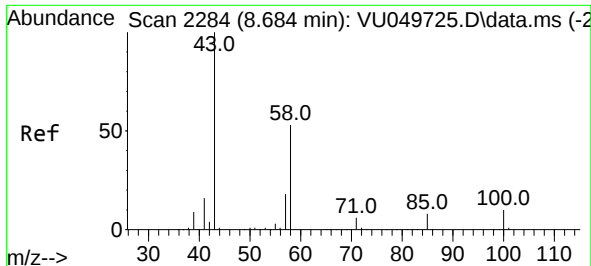
Tgt Ion:	97	Resp:	89282
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.3	82.3
83	87.3	64.0	118.8
85	59.6	42.2	78.4



#46
Tetrachloroethene
Concen: 45.645 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:	164	Resp:	53027
Ion	Ratio	Lower	Upper
164	100		
129	102.8	72.0	133.8
131	99.0	69.0	128.1
166	127.3	91.1	169.3



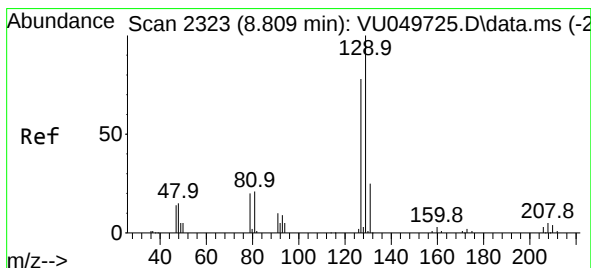
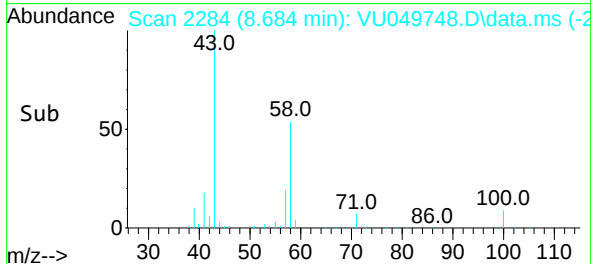
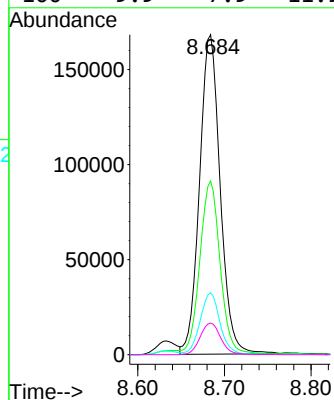
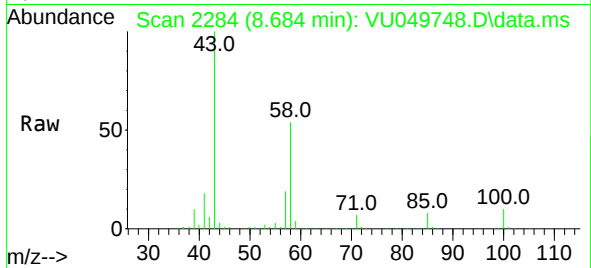


#48
2-Hexanone
Concen: 112.116 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

Tgt Ion: 43 Resp: 278576

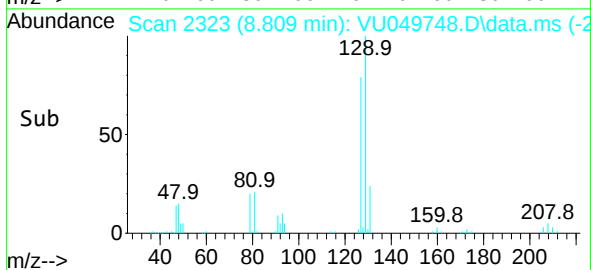
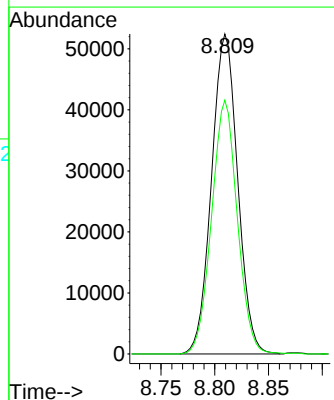
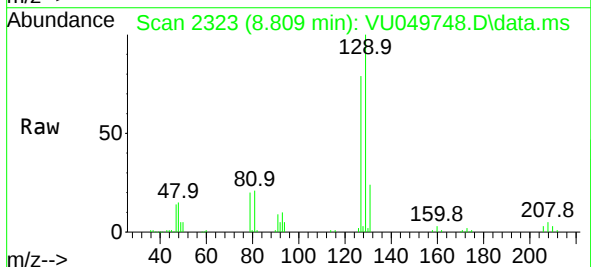
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.6	64.0
57	18.6	15.0	22.6
100	9.9	7.9	11.9

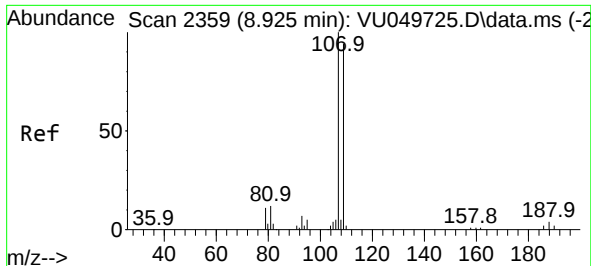


#49
Dibromochloromethane
Concen: 52.534 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 129 Resp: 88581

Ion	Ratio	Lower	Upper
129	100		
127	79.3	56.9	105.7





#50

1,2-Dibromoethane

Concen: 55.924 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

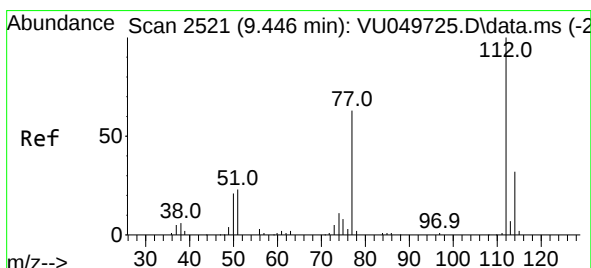
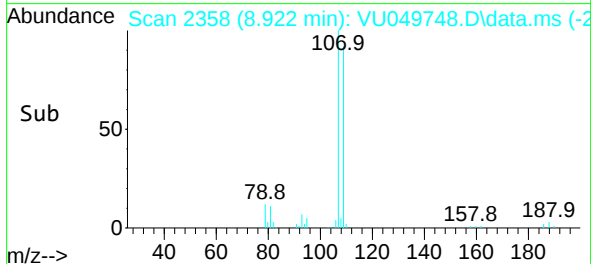
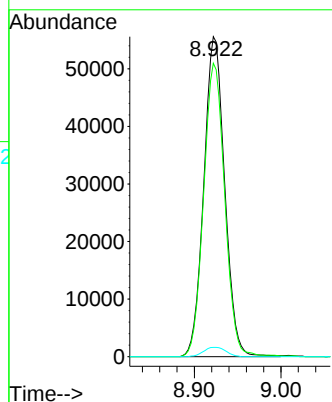
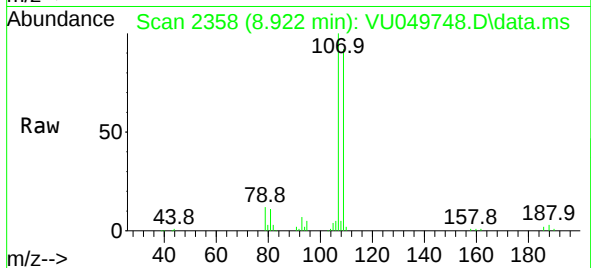
Tgt Ion:107 Resp: 93131

Ion Ratio Lower Upper

107 100

109 91.7 65.7 121.9

188 2.9 2.7 4.1



#51

Chlorobenzene

Concen: 51.541 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

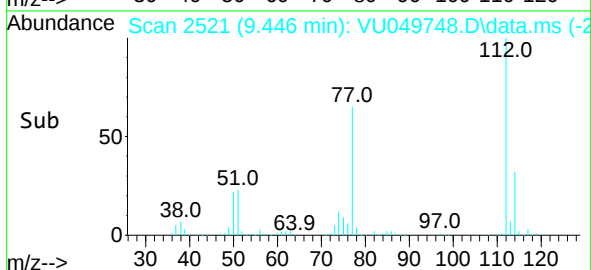
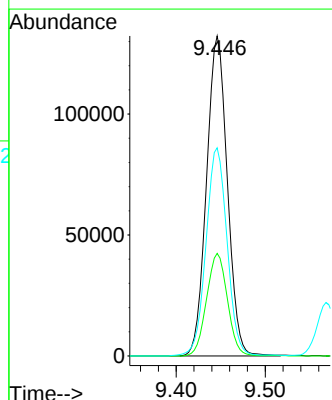
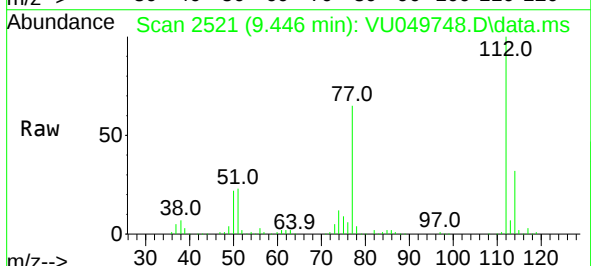
Tgt Ion:112 Resp: 214955

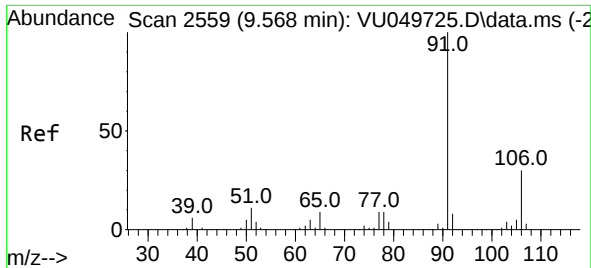
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 65.1 51.2 76.8

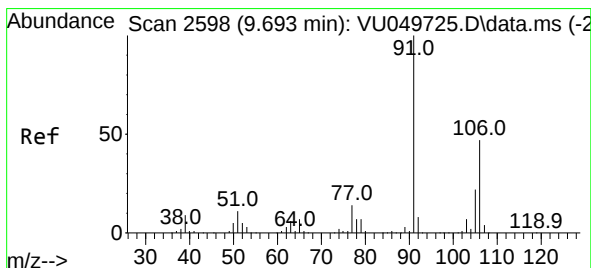
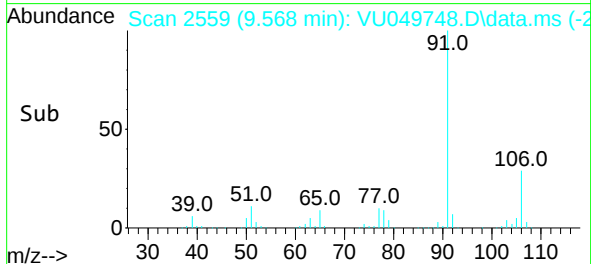
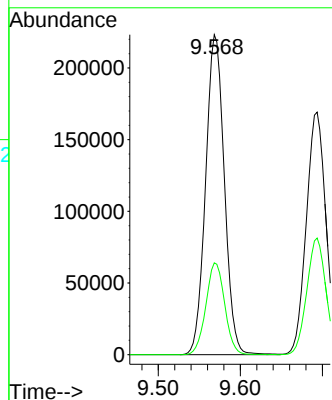
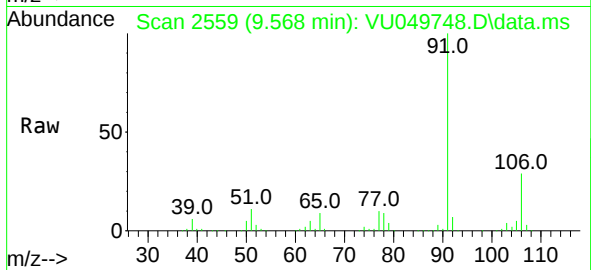




#52
Ethylbenzene
Concen: 48.680 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

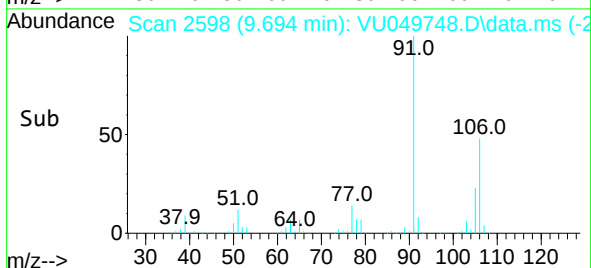
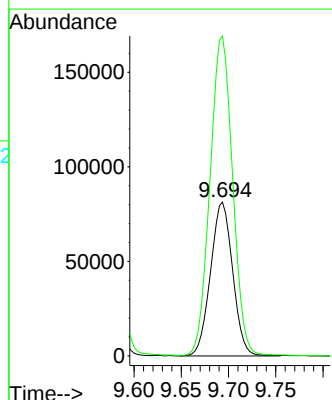
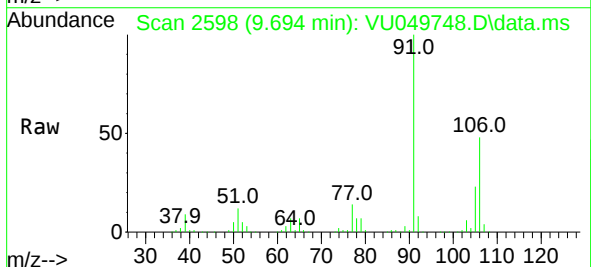
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

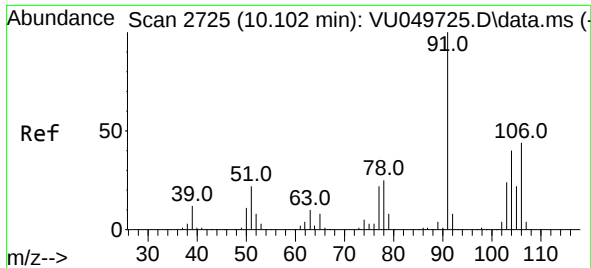
Tgt Ion: 91 Resp: 353775
Ion Ratio Lower Upper
91 100
106 28.7 21.0 39.0



#53
m,p-Xylene
Concen: 50.192 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion: 106 Resp: 132638
Ion Ratio Lower Upper
106 100
91 208.0 151.7 281.7

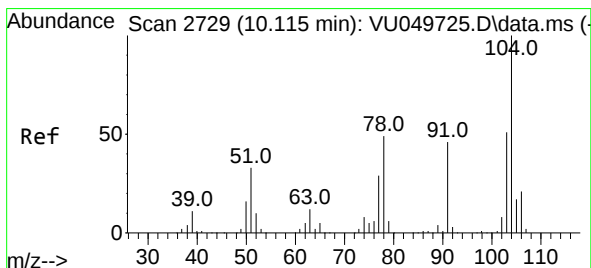
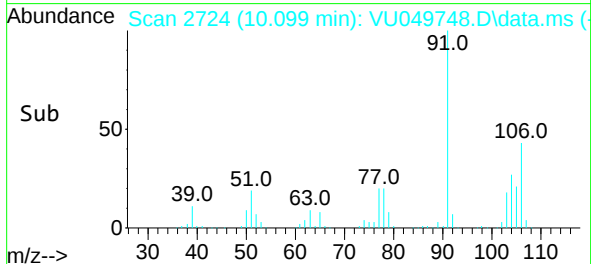
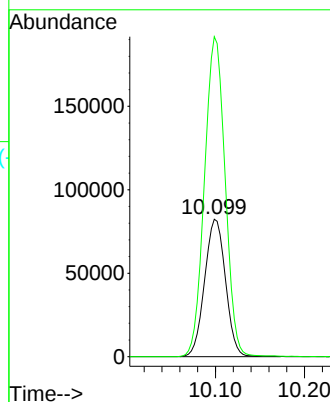
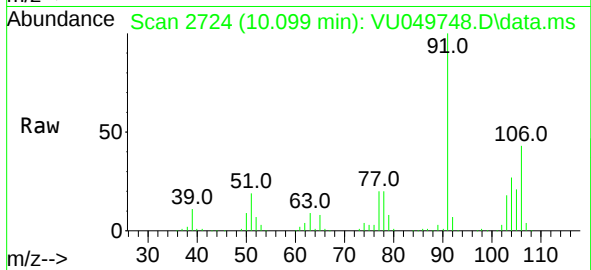




#54
o-Xylene
Concen: 50.357 ug/L
RT: 10.099 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

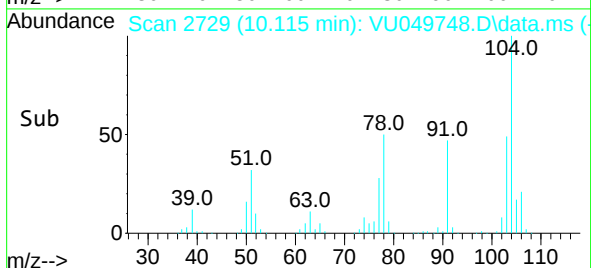
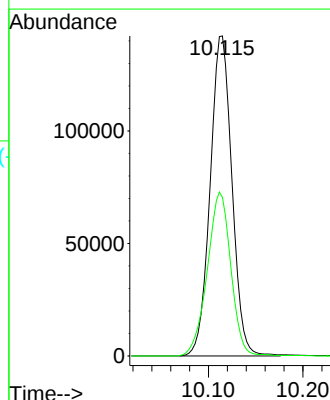
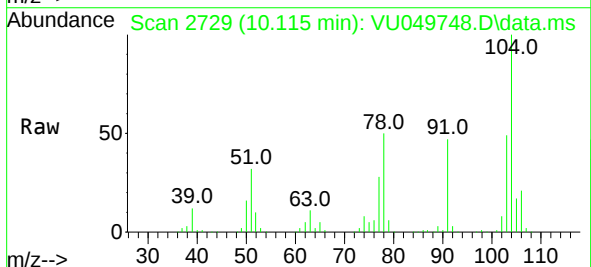
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

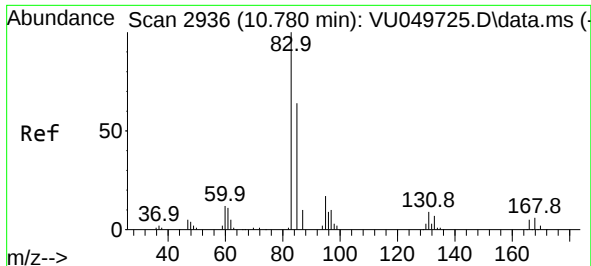
Tgt Ion:106 Resp: 133992
Ion Ratio Lower Upper
106 100
91 232.8 156.9 291.5



#55
Styrene
Concen: 51.906 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:104 Resp: 227932
Ion Ratio Lower Upper
104 100
78 49.5 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 52.890 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

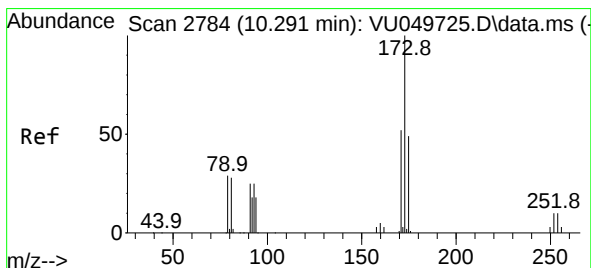
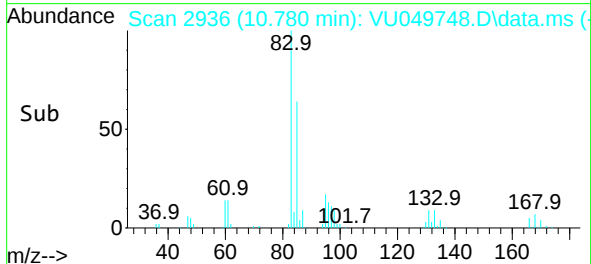
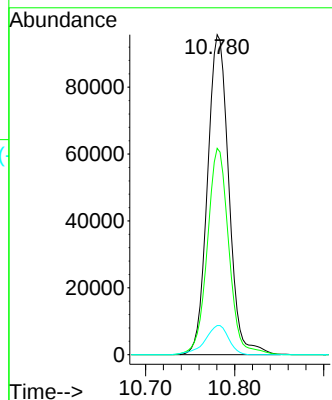
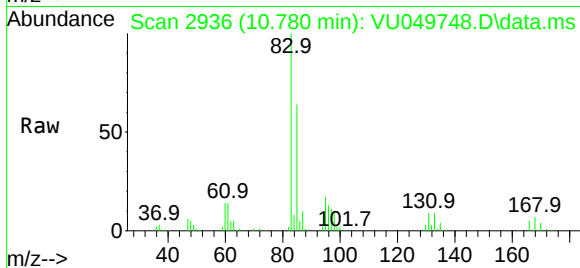
Tgt Ion: 83 Resp: 158720

Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

131 9.1 7.0 10.6



#59

Bromoform

Concen: 52.310 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

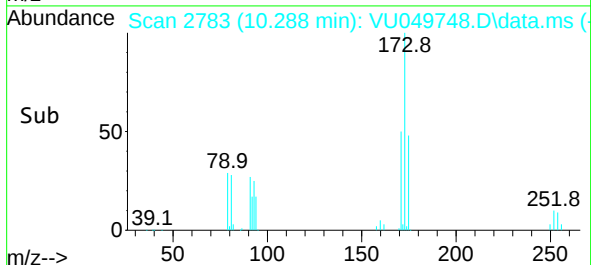
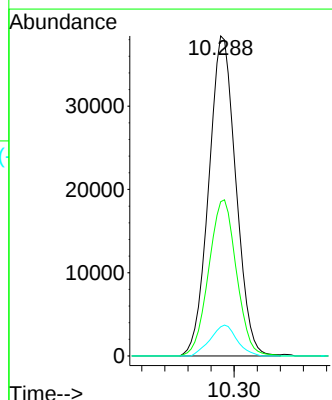
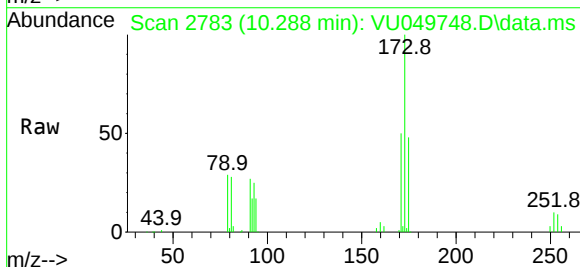
Tgt Ion: 173 Resp: 62550

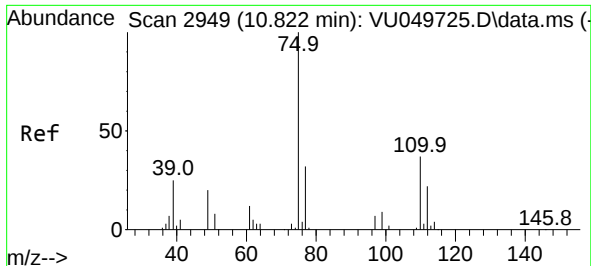
Ion Ratio Lower Upper

173 100

175 49.9 38.6 58.0

254 9.5 7.4 11.0

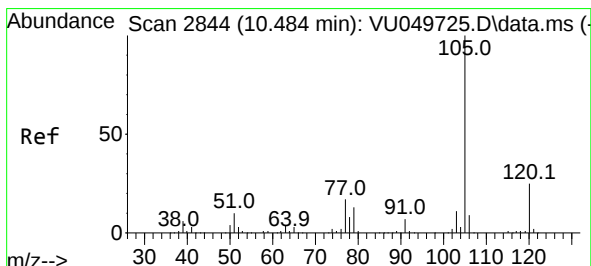
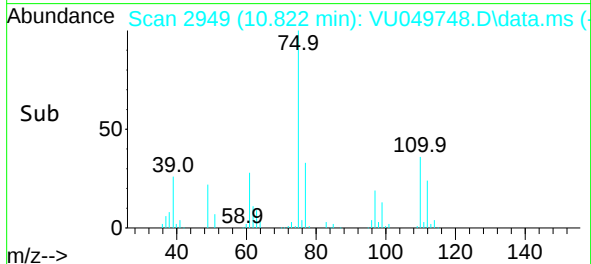
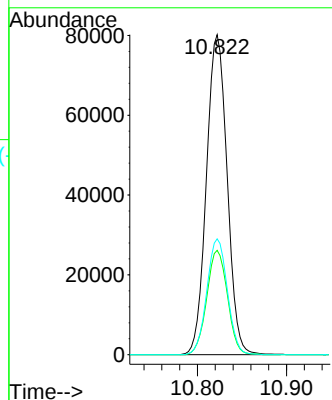
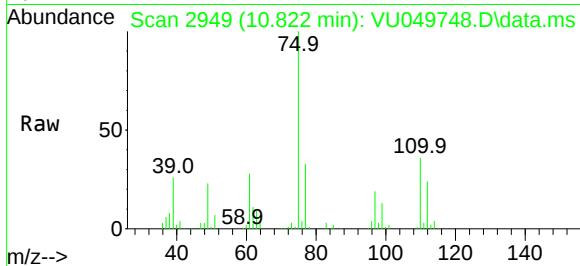




#60
1,2,3-Trichloropropane
Concen: 54.624 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

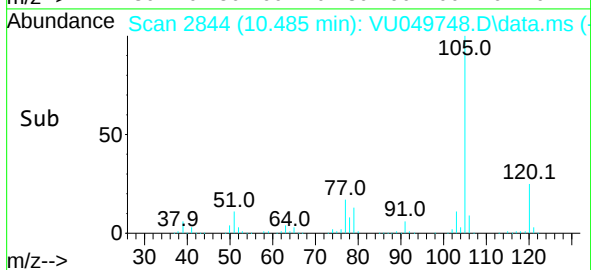
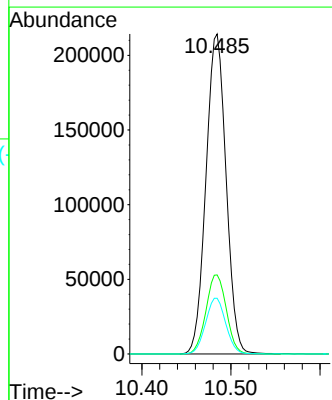
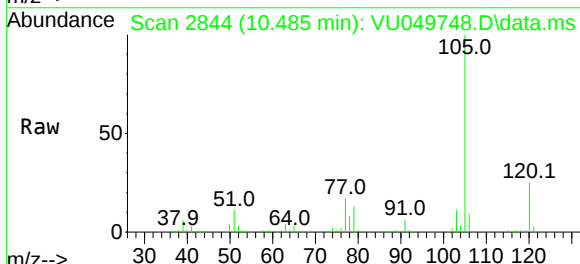
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

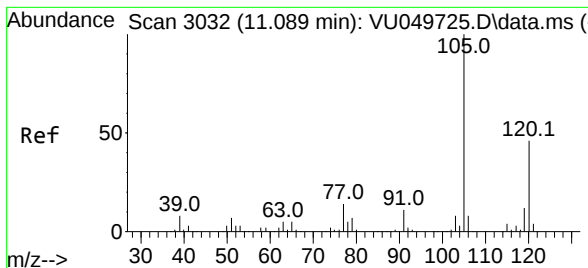
Tgt Ion:	75	Resp:	129715
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
110	35.9	28.9	43.3



#61
Isopropylbenzene
Concen: 50.367 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:	105	Resp:	335291
Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.9	29.9
77	17.5	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 50.922 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

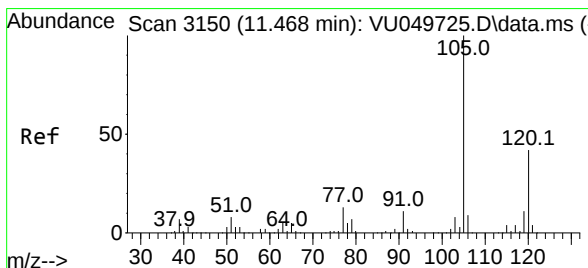
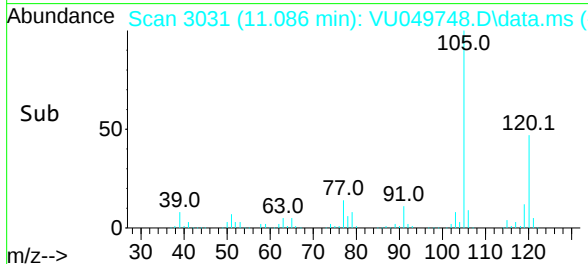
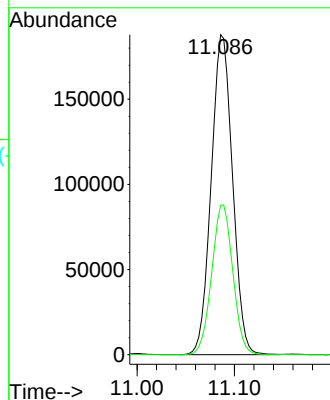
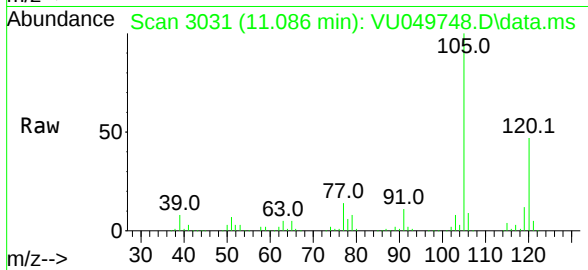
BH0E9MSD

Tgt Ion:105 Resp: 285938

Ion Ratio Lower Upper

105 100

120 46.4 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 50.988 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049748.D

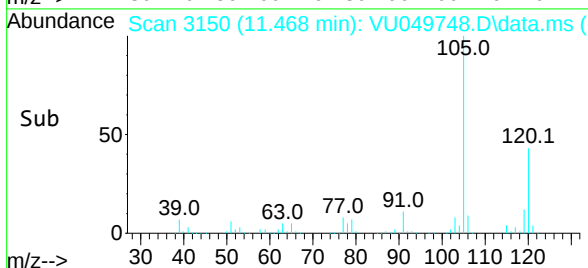
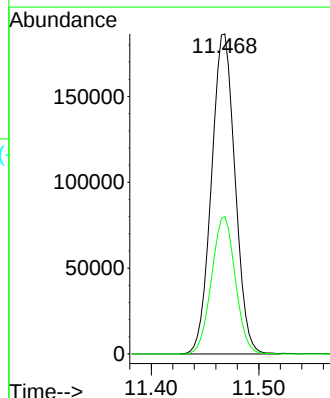
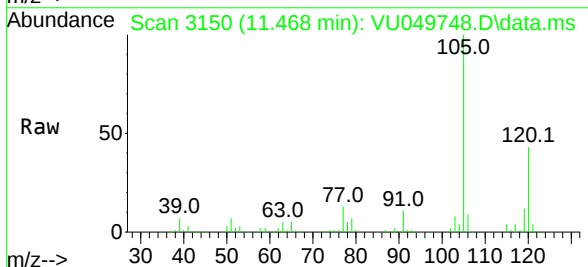
Acq: 15 Jul 2022 19:44

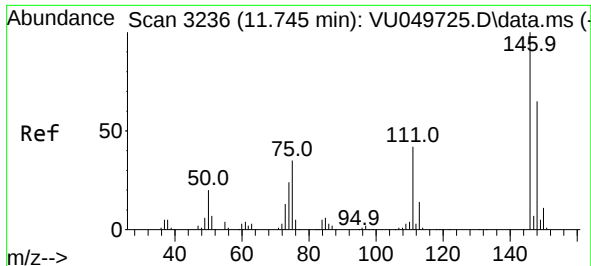
Tgt Ion:105 Resp: 284432

Ion Ratio Lower Upper

105 100

120 43.2 33.9 50.9

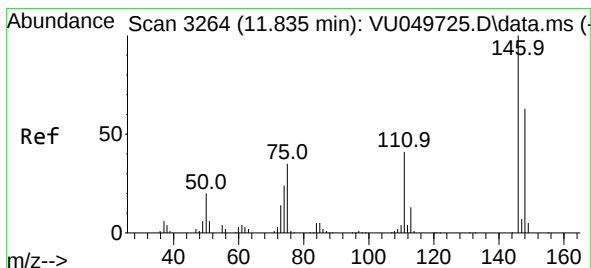
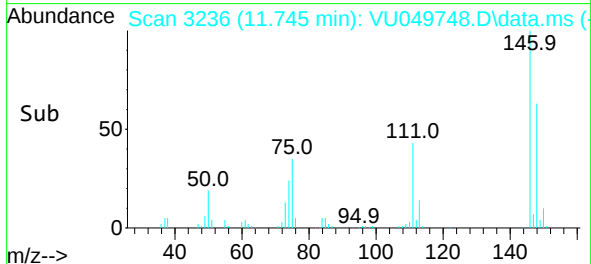
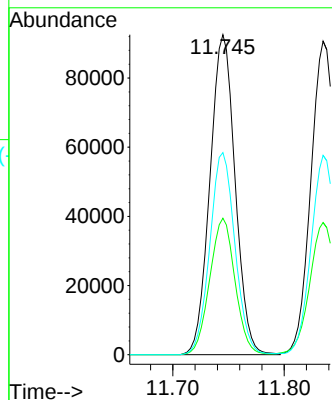
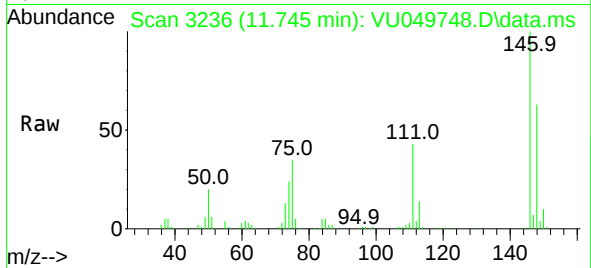




#64
1,3-Dichlorobenzene
Concen: 49.983 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

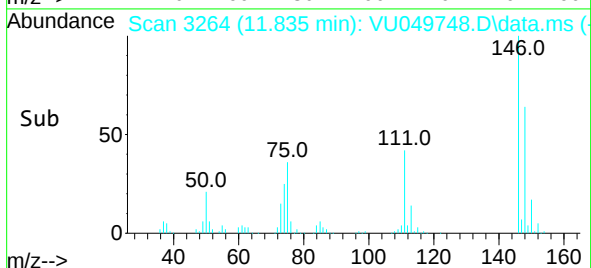
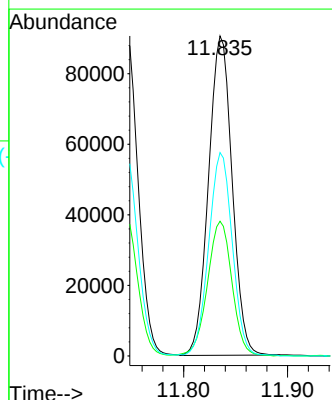
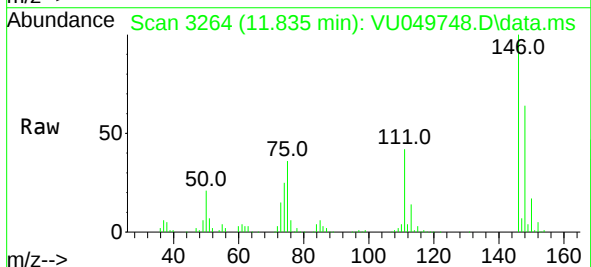
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

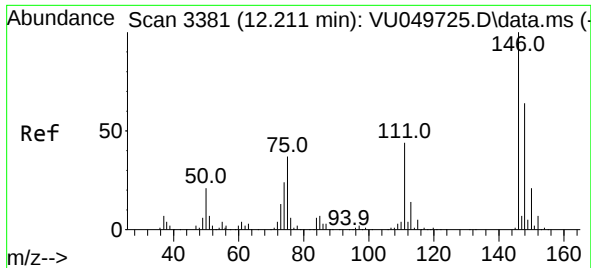
Tgt Ion:146 Resp: 145252
Ion Ratio Lower Upper
146 100
111 42.7 30.0 55.6
148 63.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 48.919 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:146 Resp: 142801
Ion Ratio Lower Upper
146 100
111 42.1 29.1 54.1
148 63.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.134 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

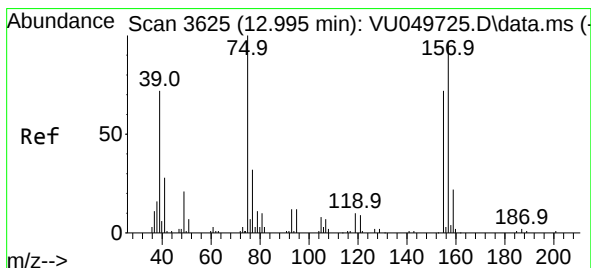
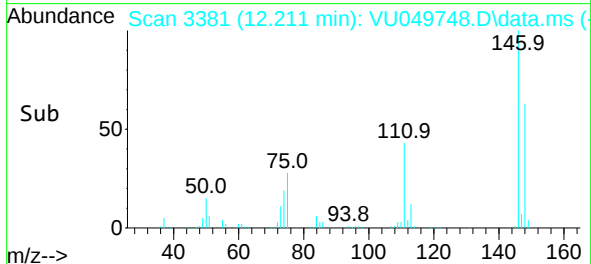
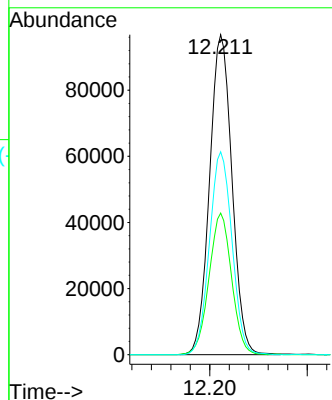
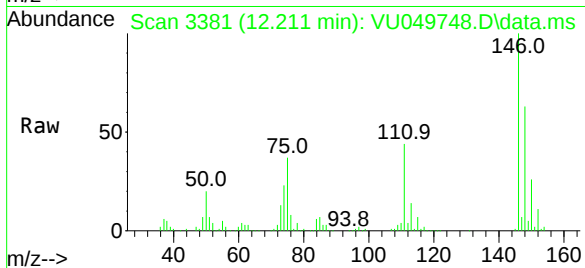
Tgt Ion:146 Resp: 154515

Ion Ratio Lower Upper

146 100

111 44.3 35.8 53.8

148 63.4 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 54.865 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

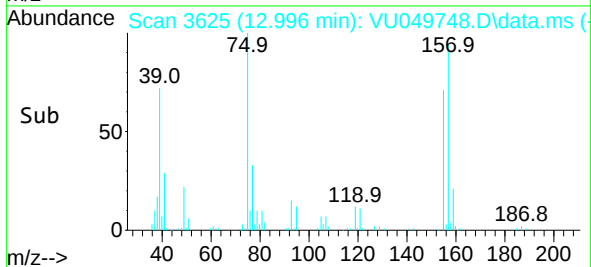
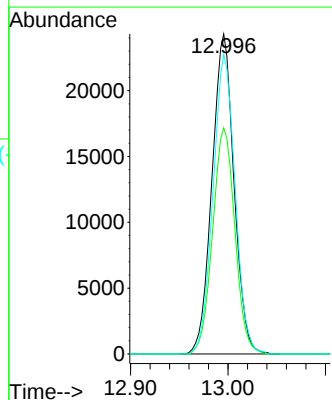
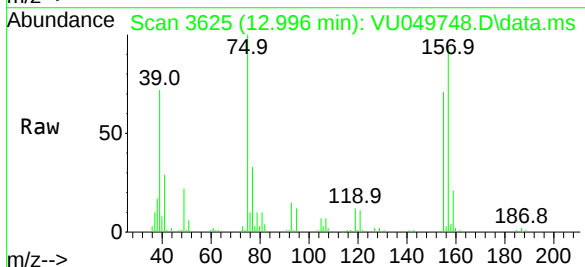
Tgt Ion: 75 Resp: 38176

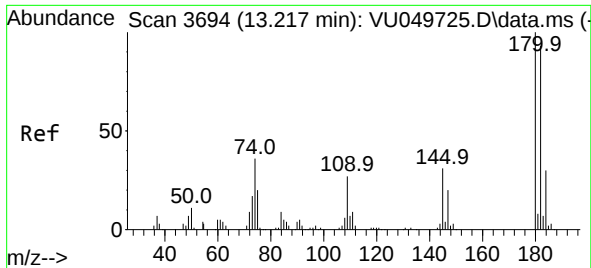
Ion Ratio Lower Upper

75 100

155 70.7 57.7 86.5

157 93.5 75.6 113.4

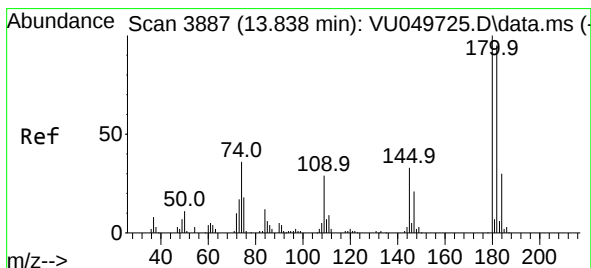
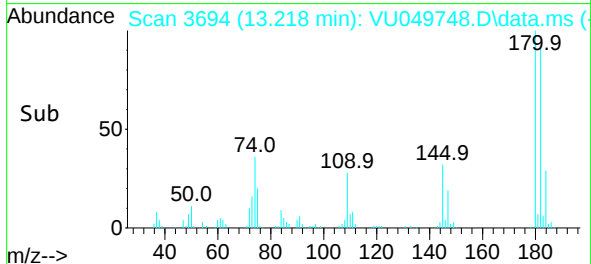
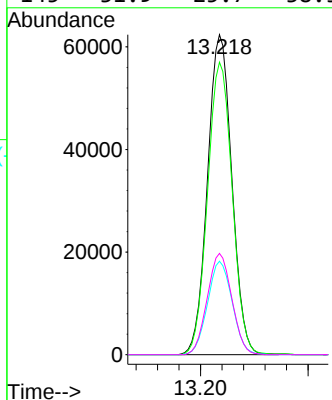
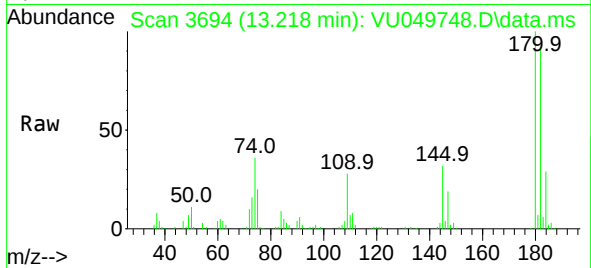




#69
1,3,5-Trichlorobenzene
Concen: 48.086 ug/L
RT: 13.218 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

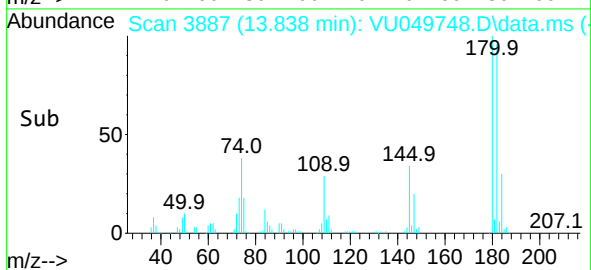
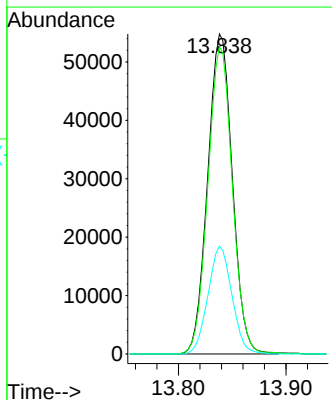
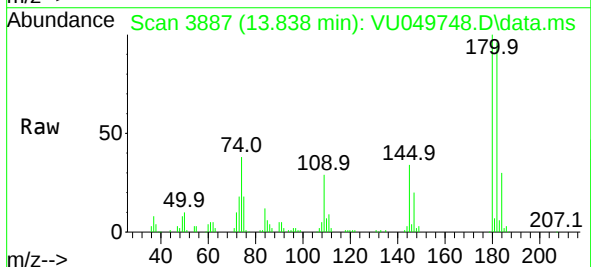
Instrument :
MSVOA_U
ClientSampleId :
BH0E9MSD

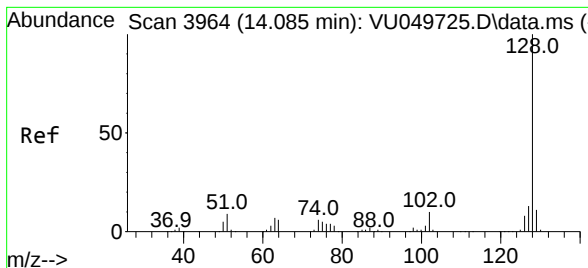
Tgt Ion:180	Resp:	97918
Ion Ratio	Lower	Upper
180	100	
182	92.7	76.0 114.0
184	29.6	24.0 36.0
145	31.9	25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 46.641 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU049748.D
Acq: 15 Jul 2022 19:44

Tgt Ion:180	Resp:	87157
Ion Ratio	Lower	Upper
180	100	
182	95.2	74.8 112.2
145	32.7	24.7 37.1





#71

Naphthalene

Concen: 53.813 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Instrument :

MSVOA_U

ClientSampleId :

BH0E9MSD

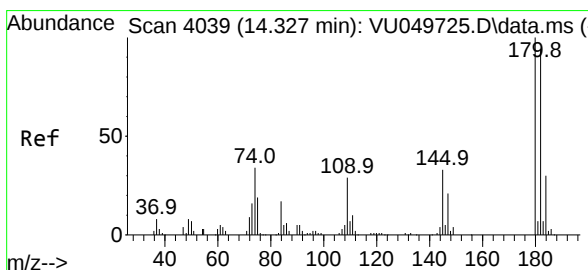
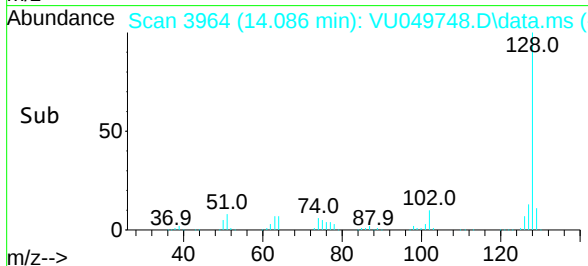
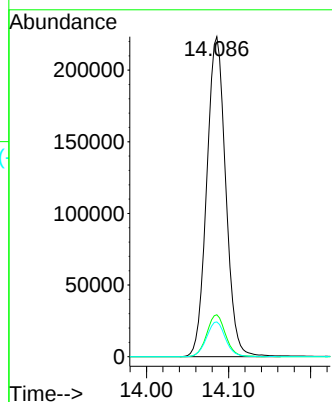
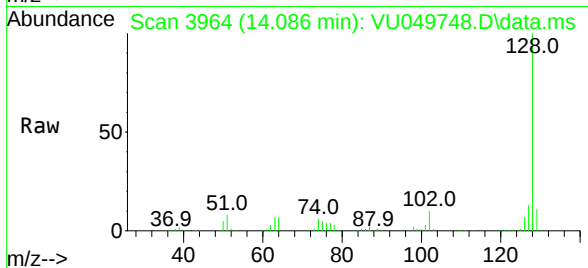
Tgt Ion:128 Resp: 359482

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.471 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049748.D

Acq: 15 Jul 2022 19:44

Tgt Ion:180 Resp: 99632

Ion Ratio Lower Upper

180 100

182 95.9 76.6 115.0

145 33.7 27.1 40.7

