

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071922\
 Data File : VU049794.D
 Acq On : 19 Jul 2022 18:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Jul 20 02:19:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 19 02:09:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	185831	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	175571	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86834	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	75634	48.238	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.480%
7) Chloroethane-d5	1.899	69	56966	50.263	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.520%
11) 1,1-Dichloroethene-d2	2.562	63	130333	47.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
21) 2-Butanone-d5	4.623	46	149090	111.386	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.390%
24) Chloroform-d	5.063	84	147262	53.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.060%
26) 1,2-Dichloroethane-d4	5.700	65	100310	53.370	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.740%
32) Benzene-d6	5.726	84	269893	50.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.690	67	93972	52.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.760%
41) Toluene-d8	7.896	98	236601	50.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.880%
43) trans-1,3-Dichloroprop...	8.179	79	39282	51.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.940%
47) 2-Hexanone-d5	8.632	63	85556	106.015	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.020%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	134778	53.690	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.380%
66) 1,2-Dichlorobenzene-d4	12.192	152	86065	52.568	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101834	45.716	ug/L	100
3) Chloromethane	1.520	50	125960	51.523	ug/L	100
5) Vinyl chloride	1.600	62	102412	46.358	ug/L	100
6) Bromomethane	1.838	94	54546	53.440	ug/L	100
8) Chloroethane	1.922	64	59915	48.959	ug/L	99
9) Trichlorofluoromethane	2.131	101	129926	47.623	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	67148	46.905	ug/L	99
12) 1,1-Dichloroethene	2.575	96	62166	46.789	ug/L	98
13) Acetone	2.626	43	115385	90.708	ug/L	99
14) Carbon disulfide	2.787	76	178811	39.910	ug/L	99
15) Methyl Acetate	2.948	43	122066	59.066	ug/L	99
16) Methylene chloride	3.041	84	92667	55.386	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	71072	48.899	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	272436	54.724	ug/L	99
19) 1,1-Dichloroethane	3.867	63	162860	53.822	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	87107	53.326	ug/L	96
22) 2-Butanone	4.700	43	183960	108.016	ug/L	99
23) Bromochloromethane	4.973	128	44840	55.014	ug/L	96
25) Chloroform	5.086	83	168838	55.644	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071922\
 Data File : VU049794.D
 Acq On : 19 Jul 2022 18:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

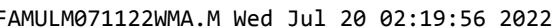
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

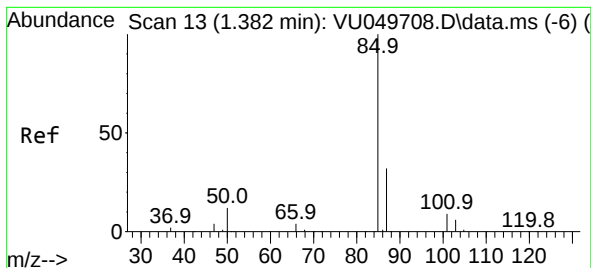
Quant Time: Jul 20 02:19:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 19 02:09:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	140045	54.204	ug/L	99
29) Cyclohexane	5.388	56	118907	43.389	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	134376	52.867	ug/L	99
31) Carbon tetrachloride	5.523	117	105281	50.643	ug/L	98
33) Benzene	5.774	78	347851	52.709	ug/L	100
34) Trichloroethene	6.539	95	79496	49.833	ug/L	96
35) Methylcyclohexane	6.761	83	108968	43.469	ug/L	98
37) 1,2-Dichloropropane	6.790	63	100435	54.906	ug/L	100
38) Bromodichloromethane	7.105	83	123041	54.253	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	129645	52.552	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	343471	115.988	ug/L	99
42) Toluene	7.970	91	343512	52.373	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	127108	54.874	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89093	55.801	ug/L	99
46) Tetrachloroethene	8.552	164	53003	47.906	ug/L	97
48) 2-Hexanone	8.684	43	272665	115.224	ug/L	100
49) Dibromochloromethane	8.809	129	90487	56.348	ug/L	92
50) 1,2-Dibromoethane	8.925	107	93438	58.914	ug/L	98
51) Chlorobenzene	9.446	112	206727	52.046	ug/L	99
52) Ethylbenzene	9.571	91	352409	50.916	ug/L	98
53) m,p-Xylene	9.693	106	129780	51.566	ug/L	99
54) o-Xylene	10.098	106	135187	53.346	ug/L	98
55) Styrene	10.115	104	228206	54.567	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	160645	56.208	ug/L	98
59) Bromoform	10.291	173	63951	54.910	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	131548	56.876	ug/L	99
61) Isopropylbenzene	10.484	105	331391	51.110	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	285616	52.223	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	281448	51.800	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	146204	51.655	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	141944	49.924	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	157266	53.434	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	38451	56.736	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	97554	49.187	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	84607	46.486	ug/L	97
71) Naphthalene	14.085	128	324797	49.919	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	94949	50.362	ug/L	99

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

Quant Time: Jul 20 02:19:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 19 02:09:49 2022
Response via : Initial Calibration

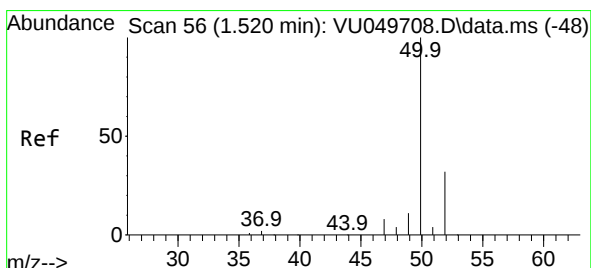
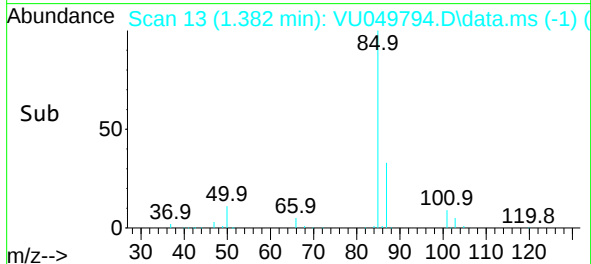
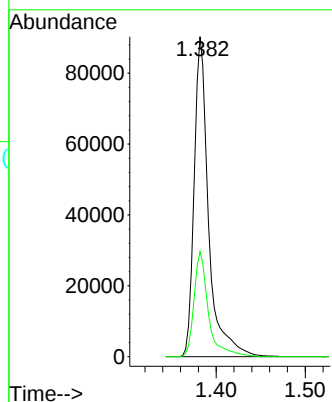
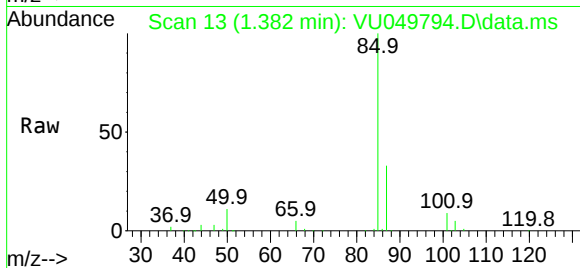




#2
Dichlorodifluoromethane
Concen: 45.716 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

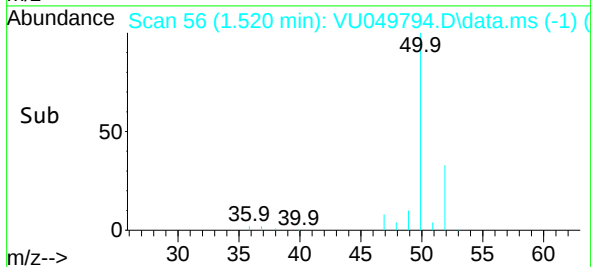
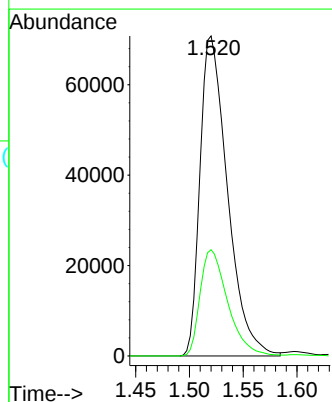
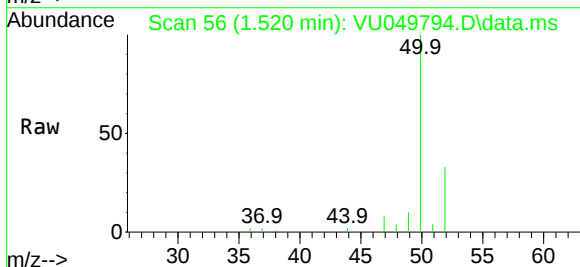
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

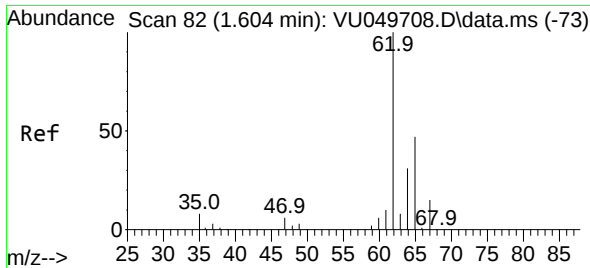
Tgt Ion: 85 Resp: 101834
Ion Ratio Lower Upper
85 100
87 32.9 26.3 39.5



#3
Chloromethane
Concen: 51.523 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 50 Resp: 125960
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.0

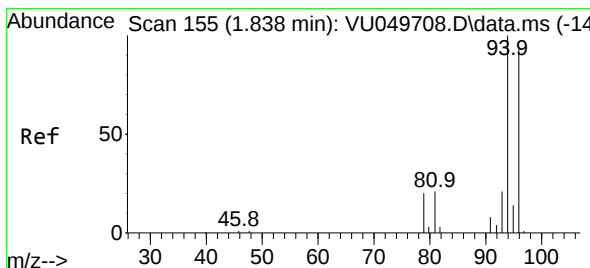
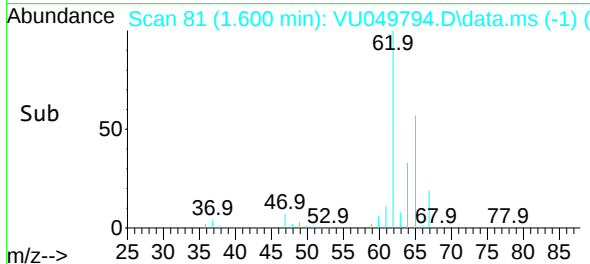
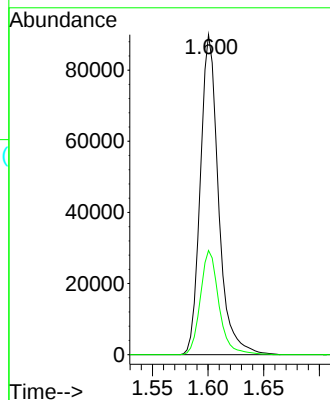
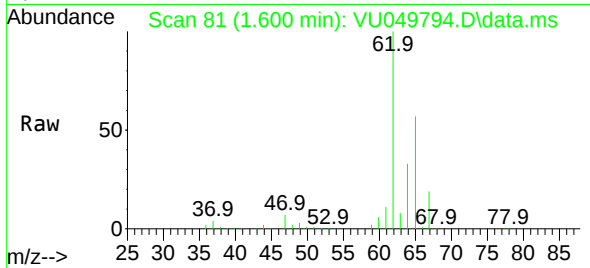




#5
 Vinyl chloride
 Concen: 46.358 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

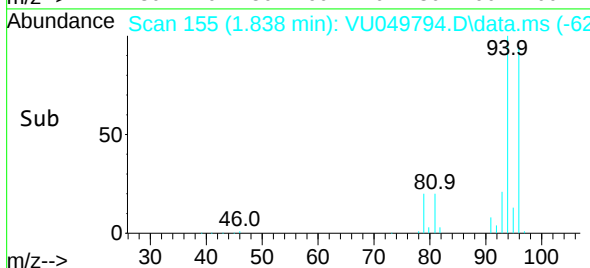
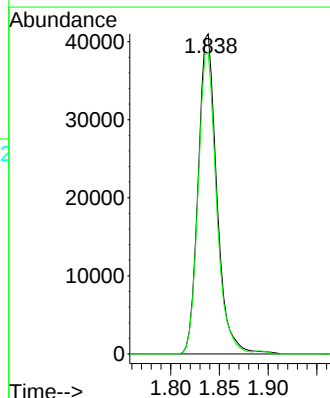
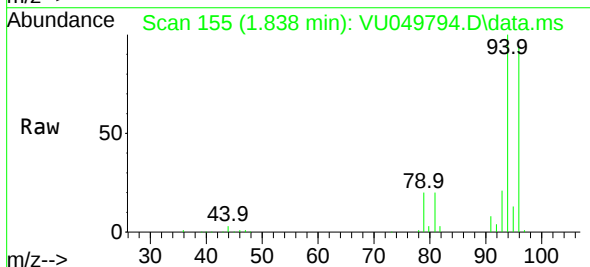
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

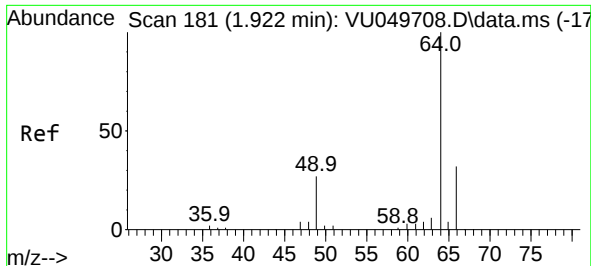
Tgt Ion: 62 Resp: 102412
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.0 42.6



#6
 Bromomethane
 Concen: 53.440 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.000 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

Tgt Ion: 94 Resp: 54546
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.1 122.7

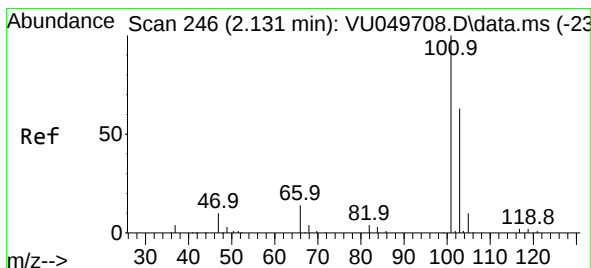
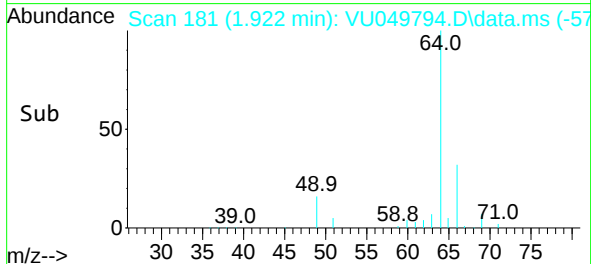
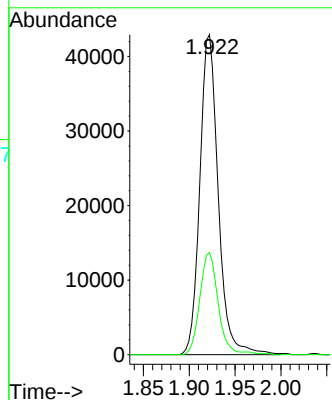
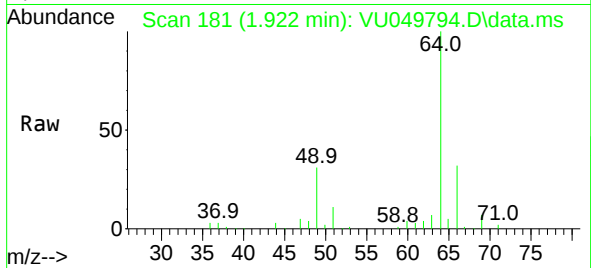




#8
Chloroethane
Concen: 48.959 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

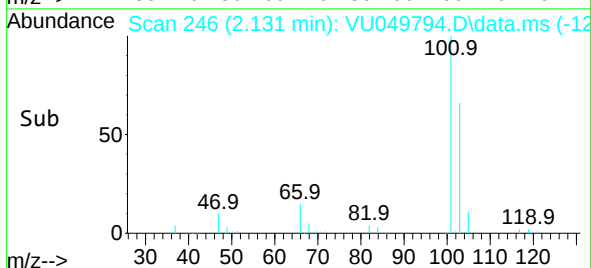
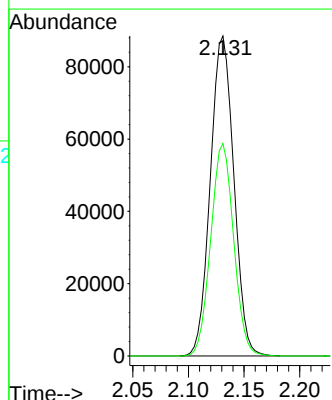
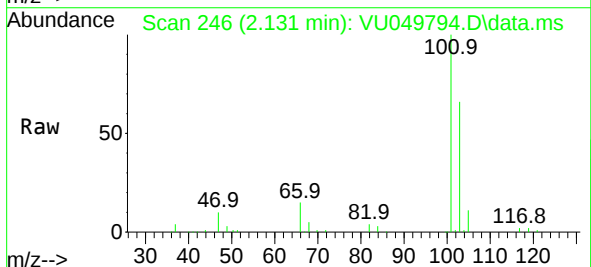
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

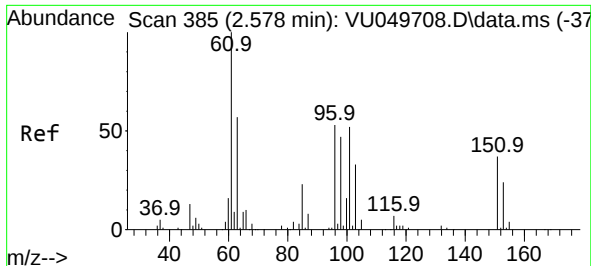
Tgt Ion: 64 Resp: 59915
Ion Ratio Lower Upper
64 100
66 32.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.623 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion:101 Resp: 129926
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4

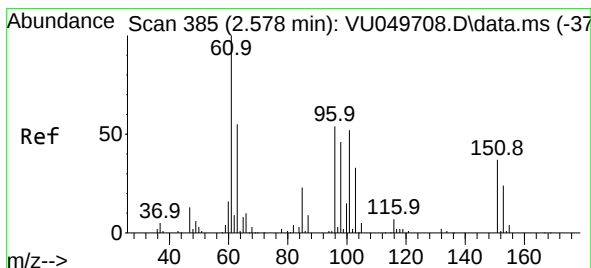
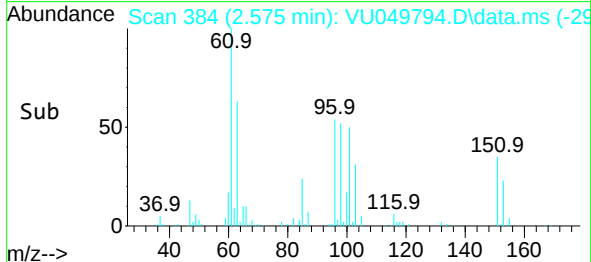
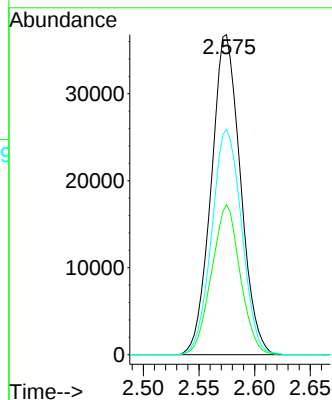
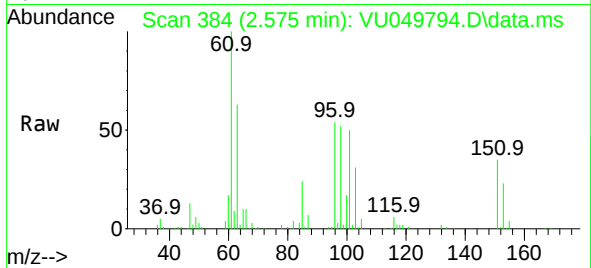




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.905 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

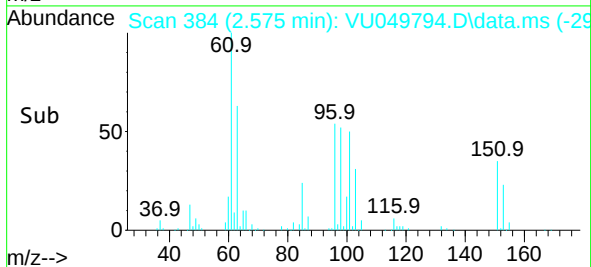
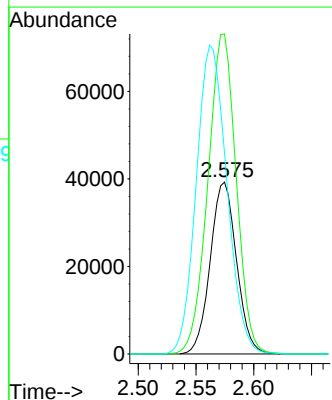
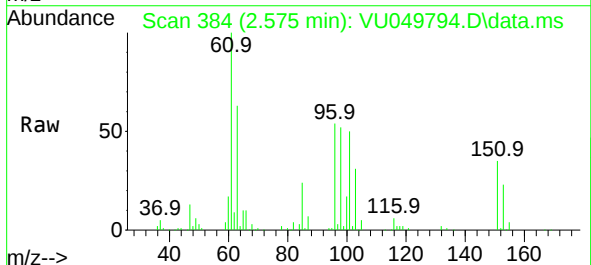
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

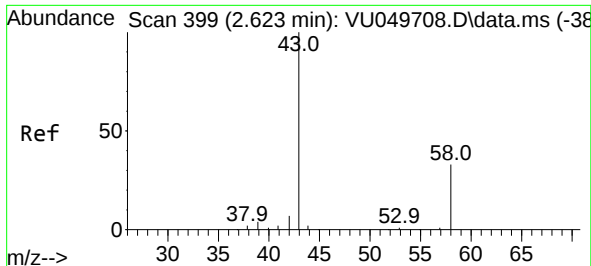
Tgt Ion:101 Resp: 67148
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.3 55.9
 151 72.1 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 46.789 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

Tgt Ion: 96 Resp: 62166
 Ion Ratio Lower Upper
 96 100
 61 186.2 129.6 240.6
 63 117.1 79.0 146.6





#13

Acetone

Concen: 90.708 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

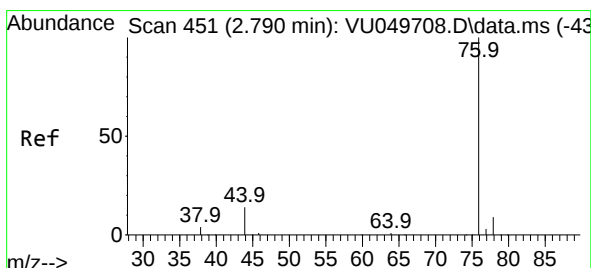
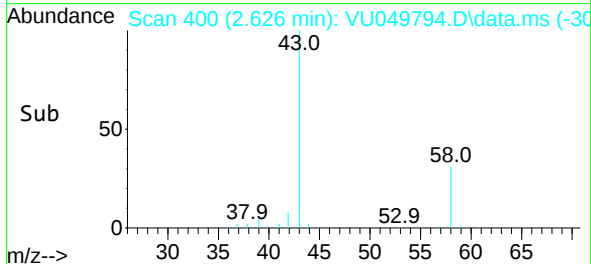
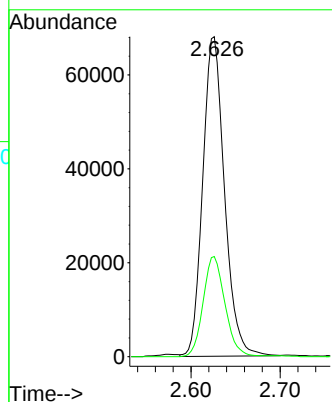
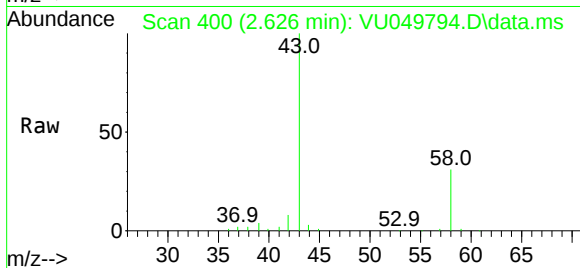
VSTD050170

Tgt Ion: 43 Resp: 115385

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.4



#14

Carbon disulfide

Concen: 39.910 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU049794.D

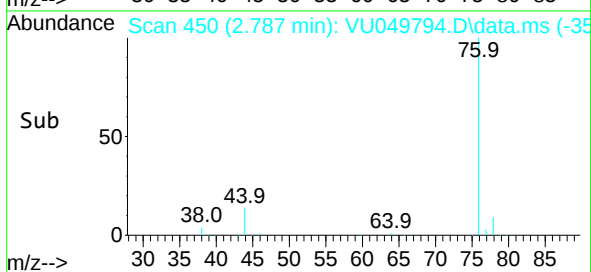
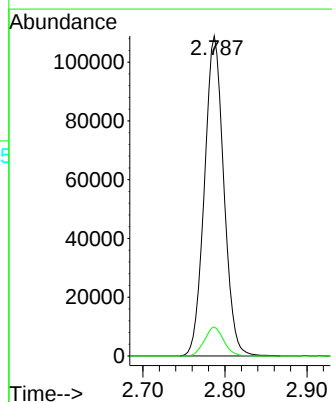
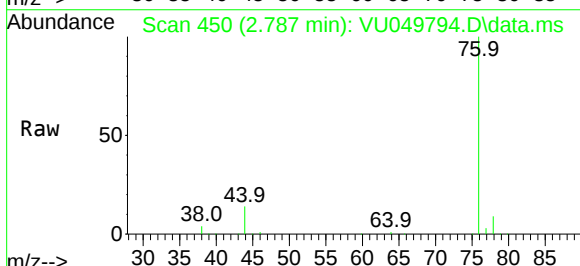
Acq: 19 Jul 2022 18:49

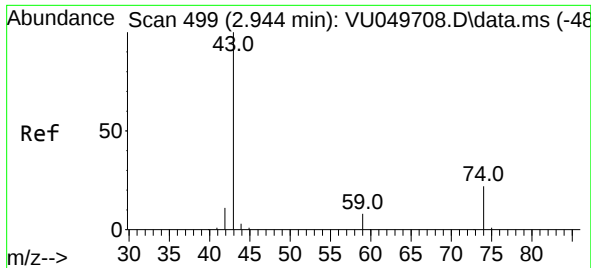
Tgt Ion: 76 Resp: 178811

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

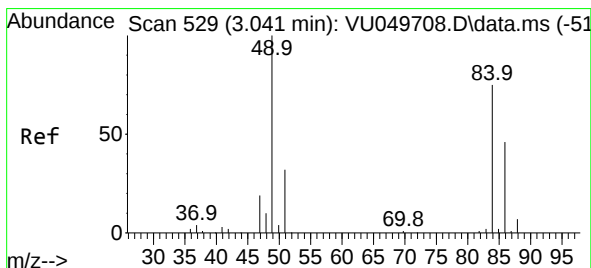
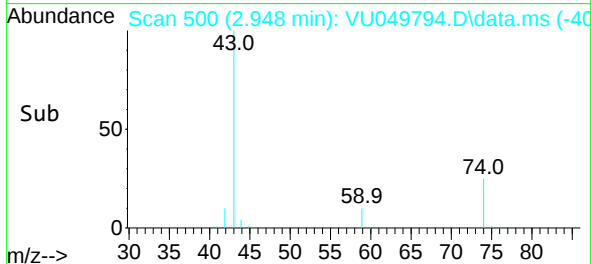
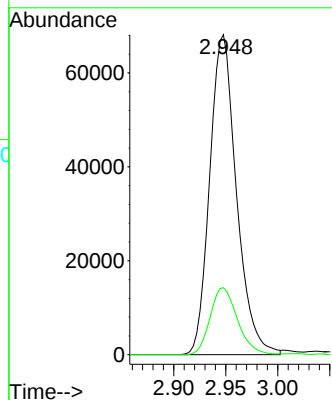
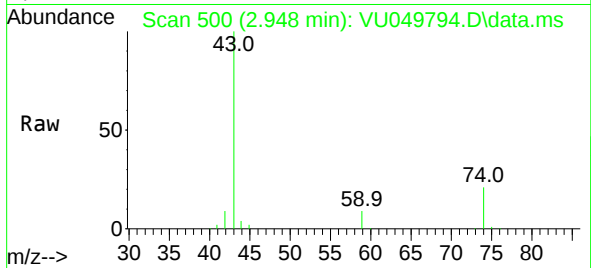




#15
Methyl Acetate
Concen: 59.066 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

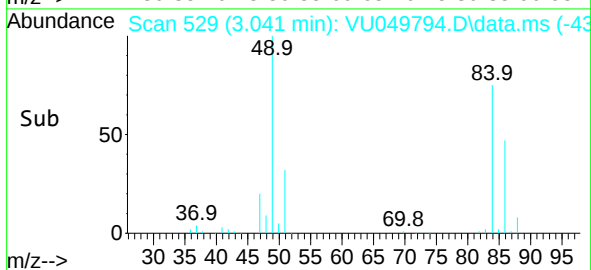
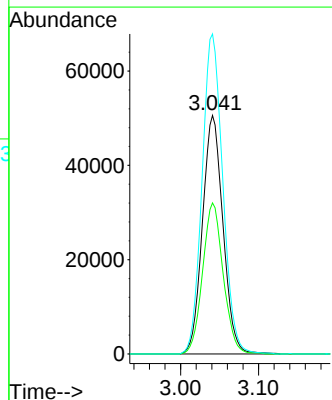
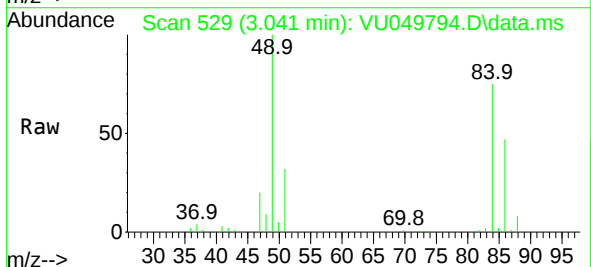
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

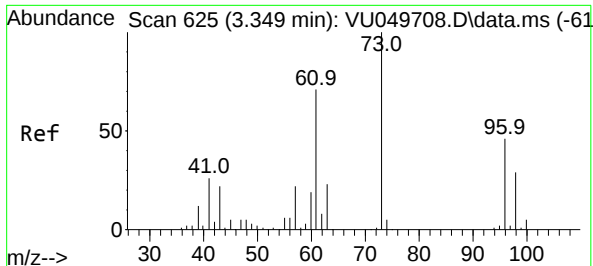
Tgt Ion: 43 Resp: 122066
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.0



#16
Methylene chloride
Concen: 55.386 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 84 Resp: 92667
Ion Ratio Lower Upper
84 100
86 63.3 45.6 84.6
49 134.1 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 48.899 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

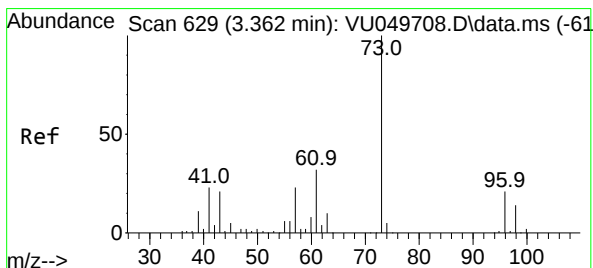
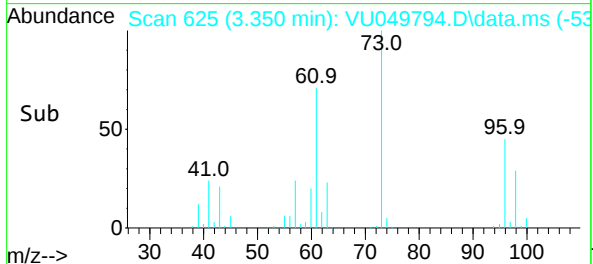
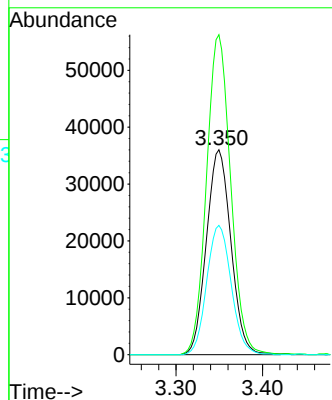
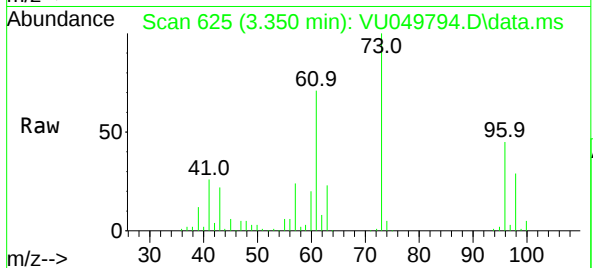
Tgt Ion: 96 Resp: 71072

Ion Ratio Lower Upper

96 100

61 156.1 107.6 199.8

98 63.0 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 54.724 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

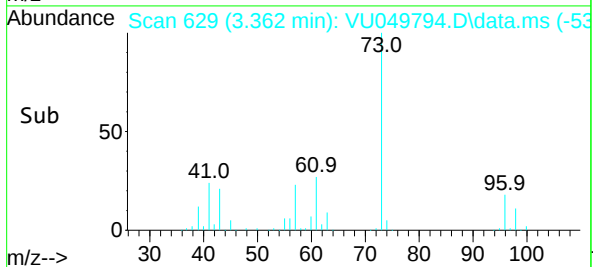
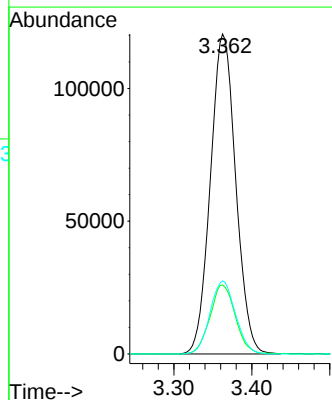
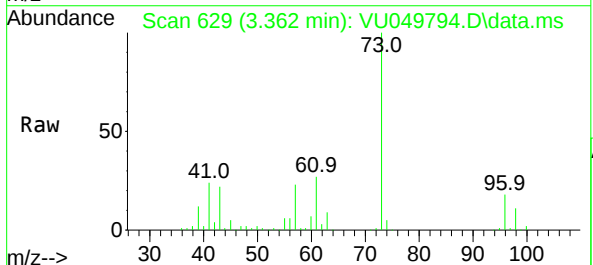
Tgt Ion: 73 Resp: 272436

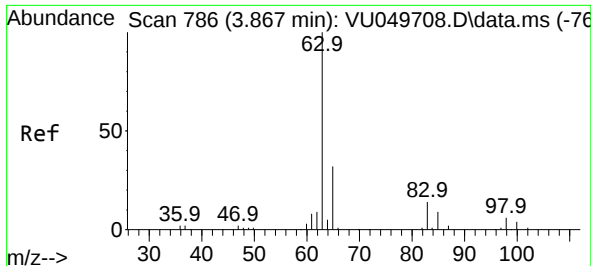
Ion Ratio Lower Upper

73 100

43 21.6 17.0 25.4

57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 53.822 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

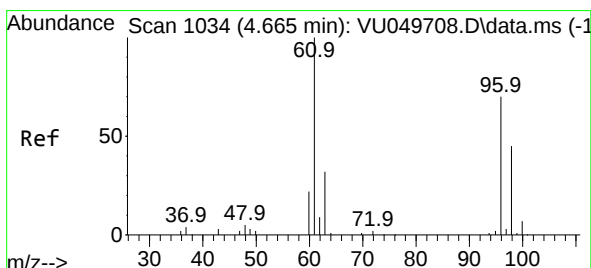
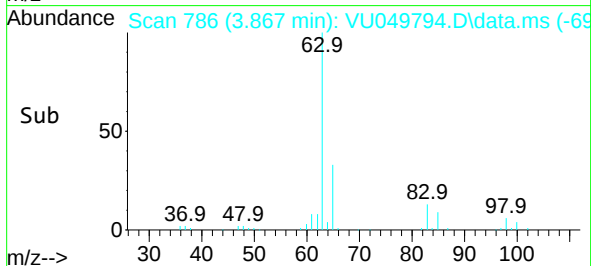
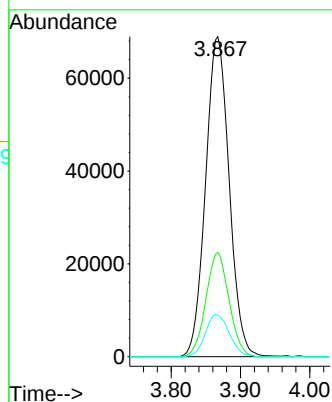
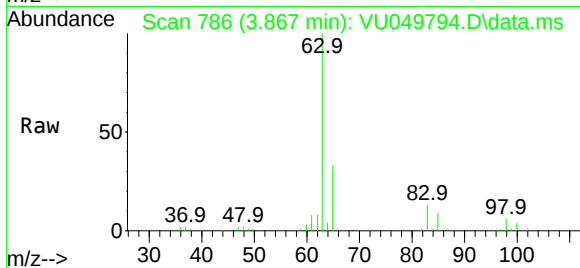
Tgt Ion: 63 Resp: 162860

Ion Ratio Lower Upper

63 100

65 32.6 22.6 42.0

83 13.0 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 53.326 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

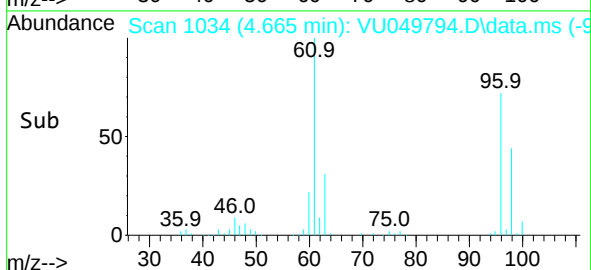
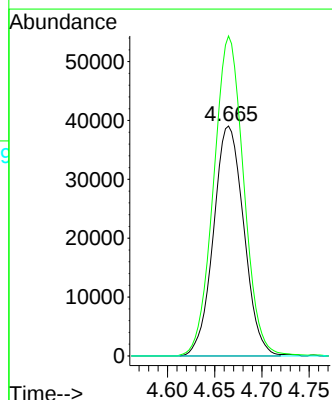
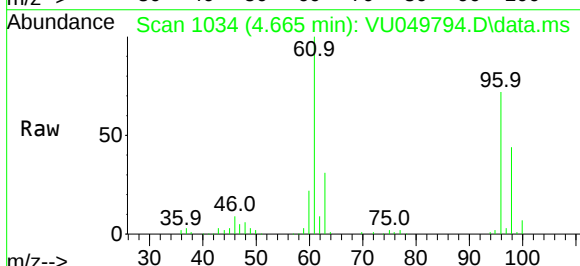
Tgt Ion: 96 Resp: 87107

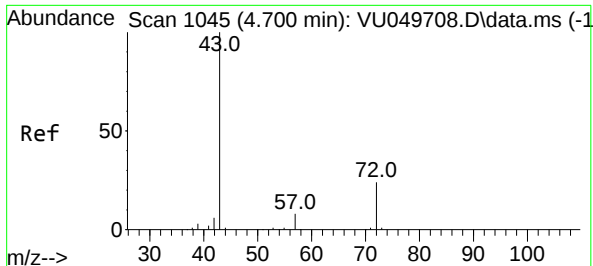
Ion Ratio Lower Upper

96 100

61 139.1 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.016 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

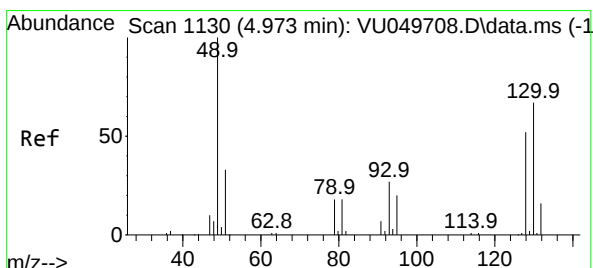
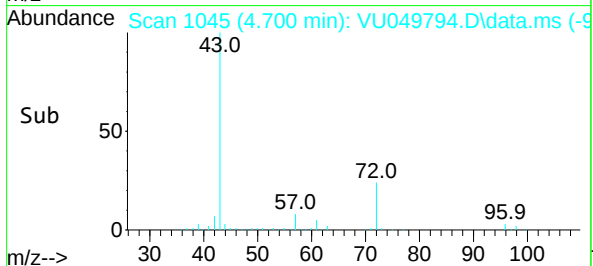
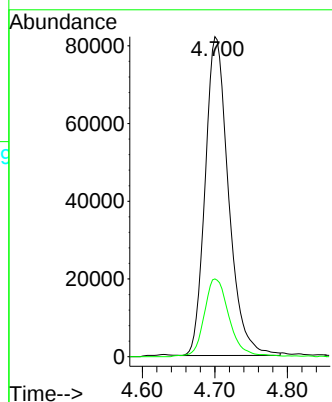
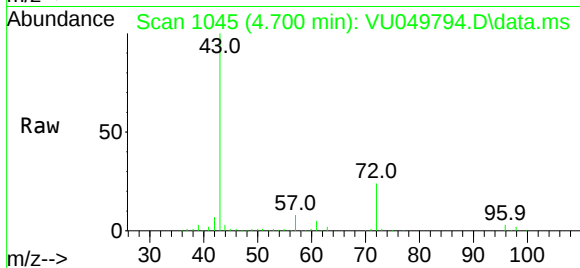
VSTD050170

Tgt Ion: 43 Resp: 183960

Ion Ratio Lower Upper

43 100

72 25.8 12.7 38.0



#23

Bromochloromethane

Concen: 55.014 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Tgt Ion: 128 Resp: 44840

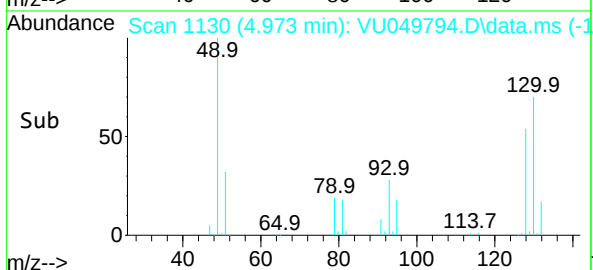
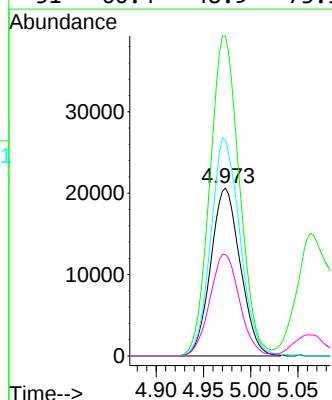
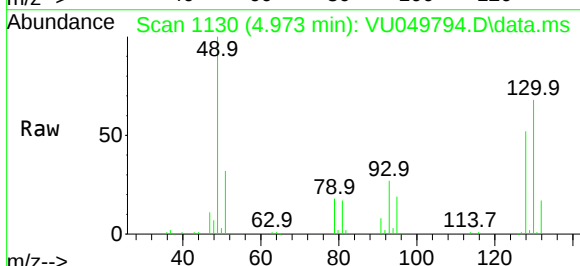
Ion Ratio Lower Upper

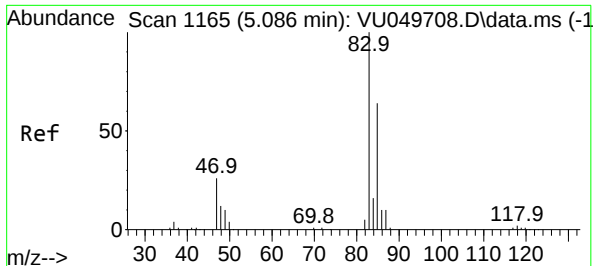
128 100

49 190.6 140.9 261.7

130 128.7 90.0 167.2

51 60.4 48.9 73.3





#25

Chloroform

Concen: 55.644 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

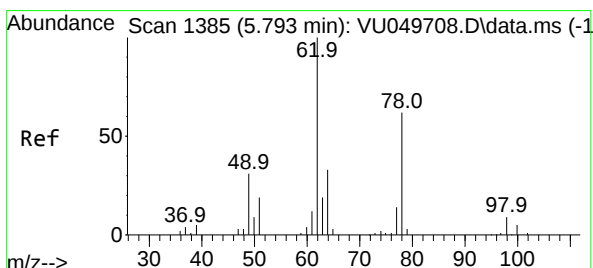
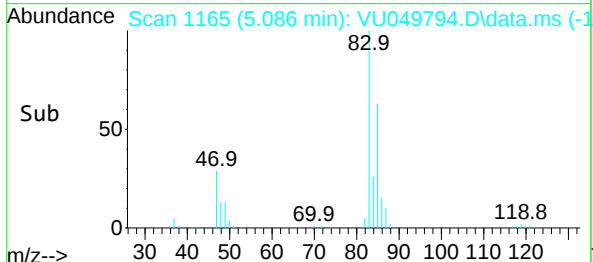
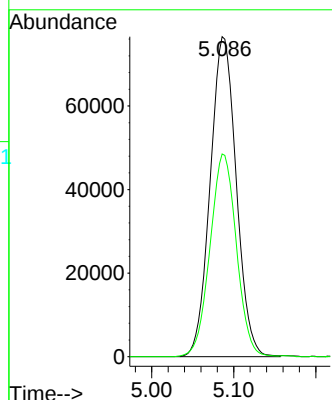
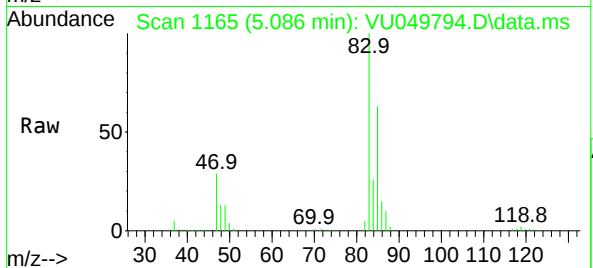
VSTD050170

Tgt Ion: 83 Resp: 168838

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 54.204 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049794.D

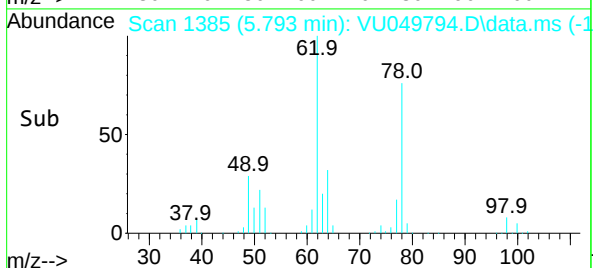
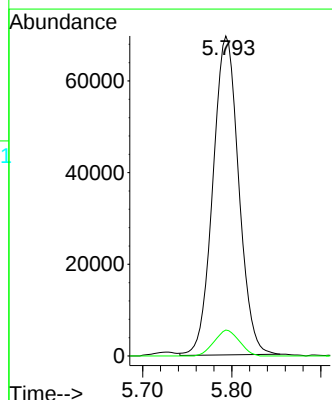
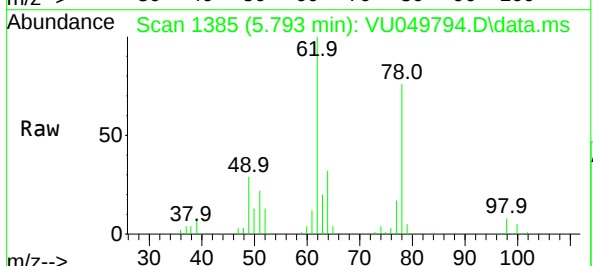
Acq: 19 Jul 2022 18:49

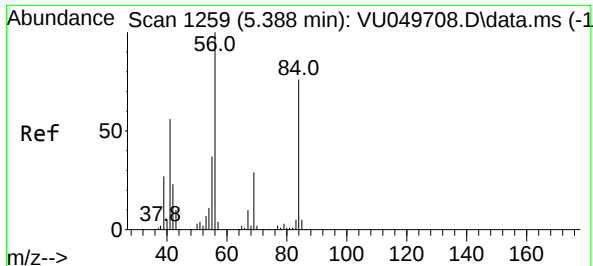
Tgt Ion: 62 Resp: 140045

Ion Ratio Lower Upper

62 100

98 8.1 6.7 10.1





#29

Cyclohexane

Concen: 43.389 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

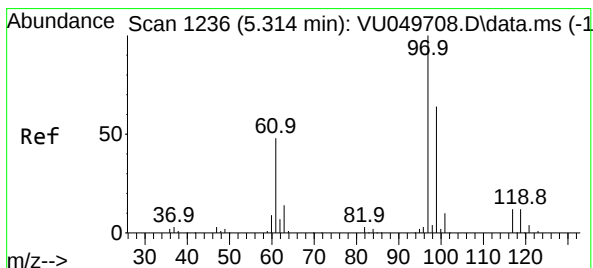
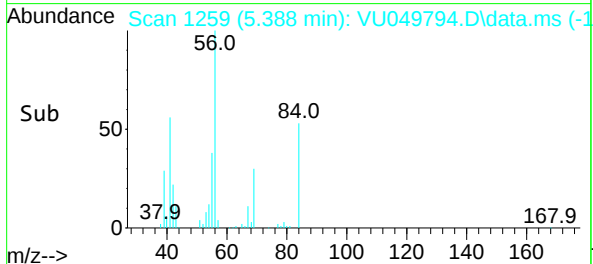
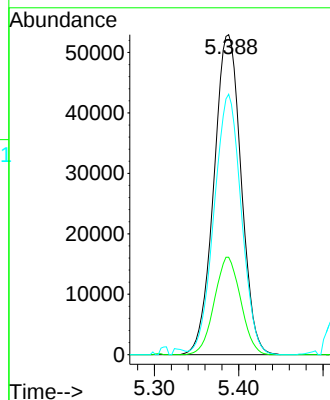
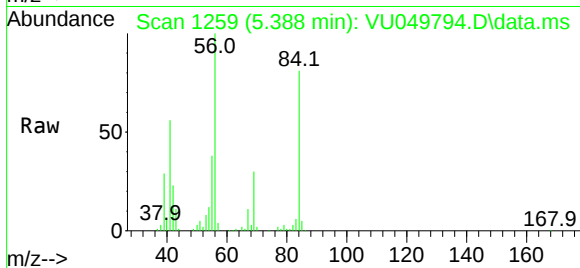
Tgt Ion: 56 Resp: 118907

Ion Ratio Lower Upper

56 100

69 29.4 23.4 35.2

84 81.3 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 52.867 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

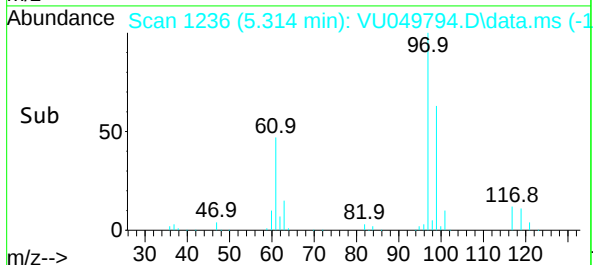
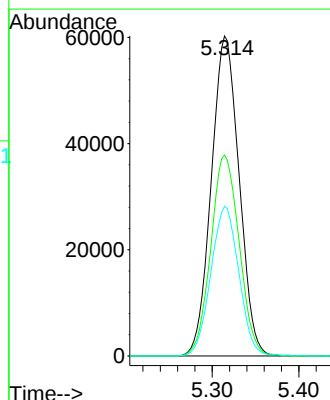
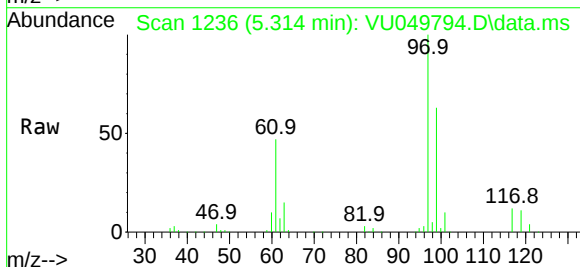
Tgt Ion: 97 Resp: 134376

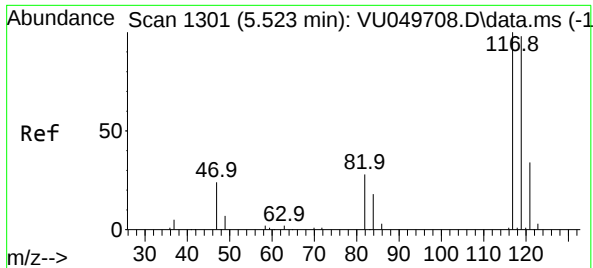
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 47.1 38.2 57.2

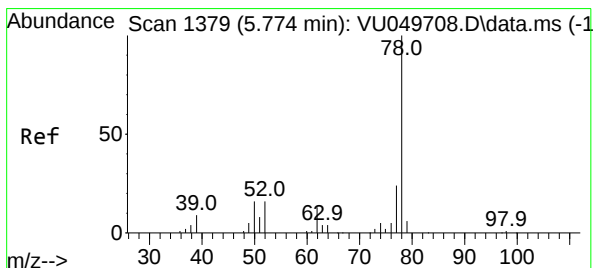
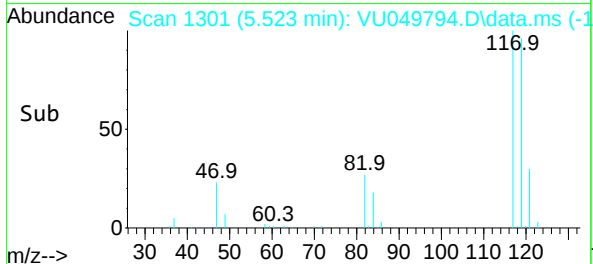
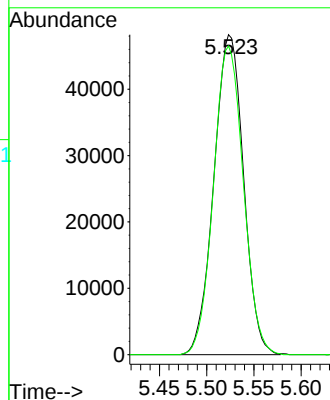
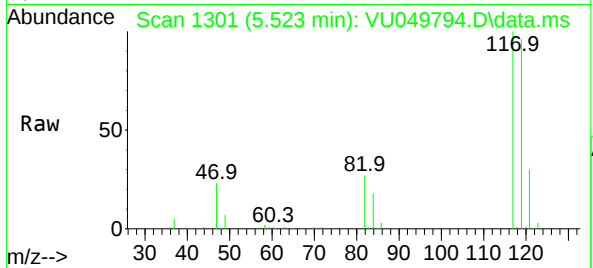




#31
Carbon tetrachloride
Concen: 50.643 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

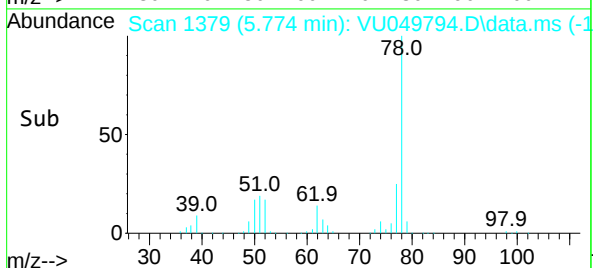
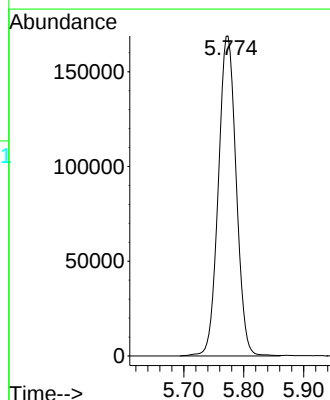
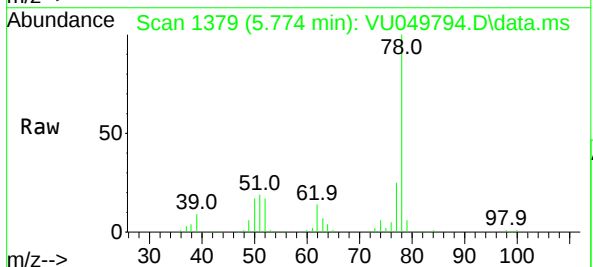
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

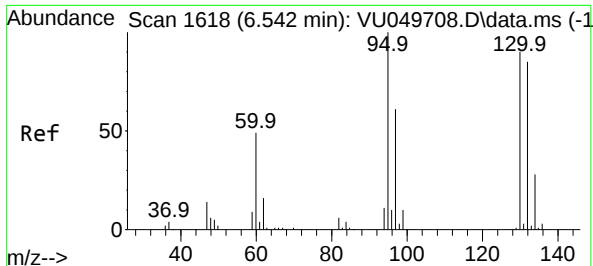
Tgt Ion:117 Resp: 105281
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8



#33
Benzene
Concen: 52.709 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 78 Resp: 347851

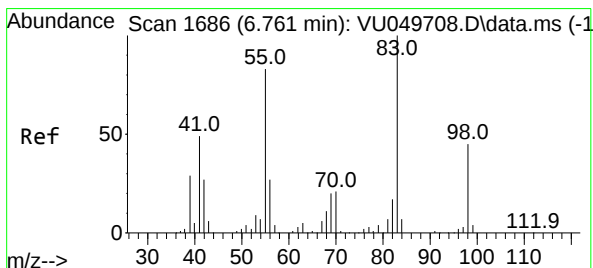
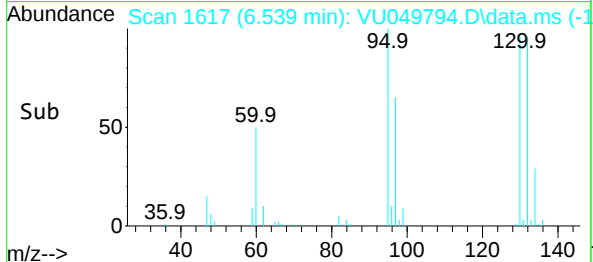
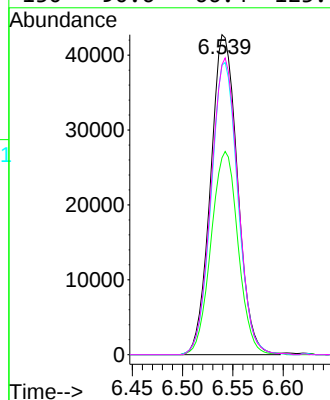
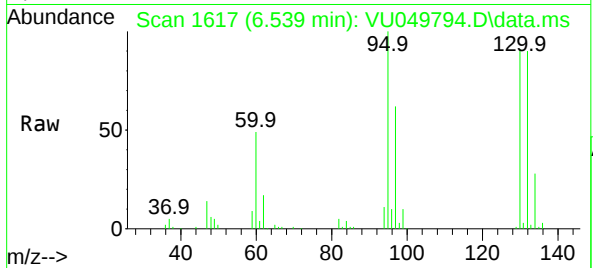




#34
Trichloroethene
Concen: 49.833 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

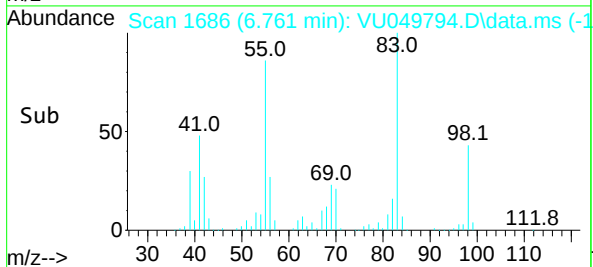
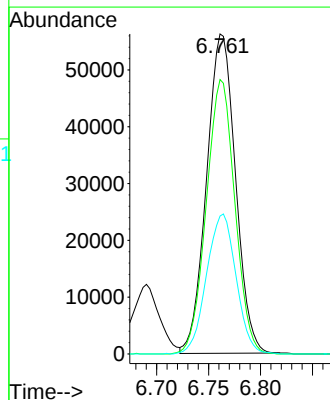
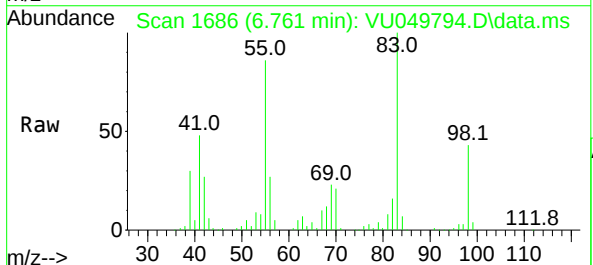
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

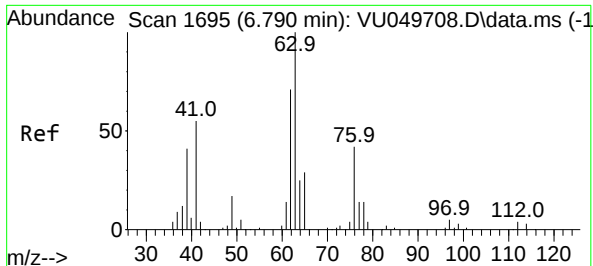
Tgt Ion: 95 Resp: 79496
Ion Ratio Lower Upper
95 100
97 61.5 46.9 87.1
132 90.5 62.7 116.5
130 90.6 66.4 123.4



#35
Methylcyclohexane
Concen: 43.469 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 83 Resp: 108968
Ion Ratio Lower Upper
83 100
55 84.8 66.0 99.0
98 44.6 34.6 51.8





#37

1,2-Dichloropropane

Concen: 54.906 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

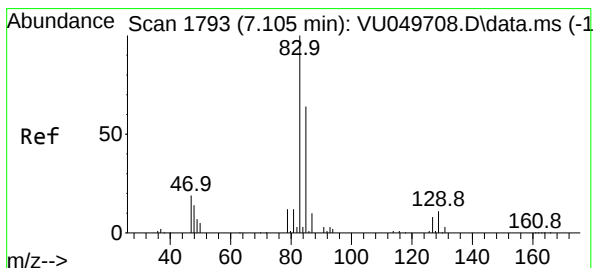
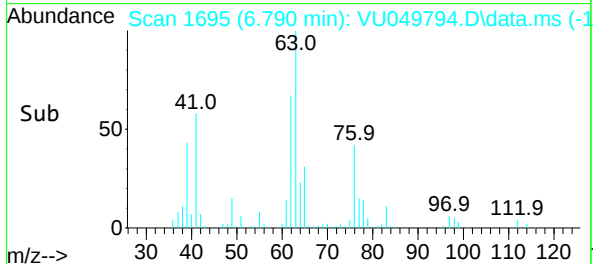
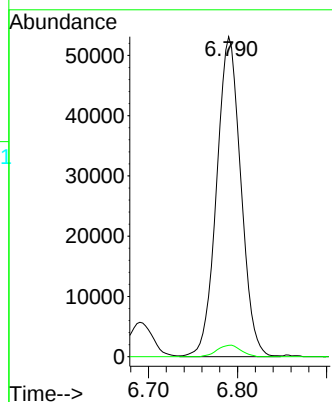
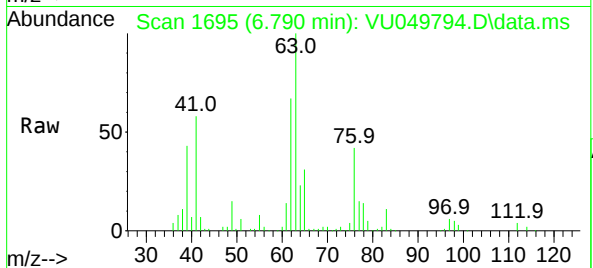
VSTD050170

Tgt Ion: 63 Resp: 100435

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 54.253 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

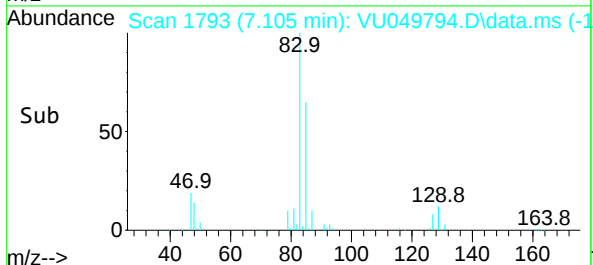
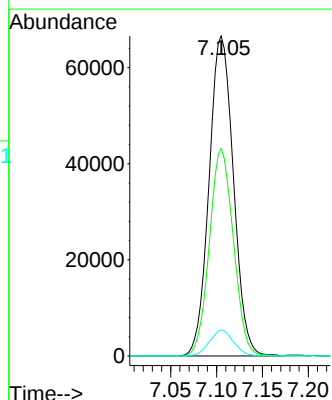
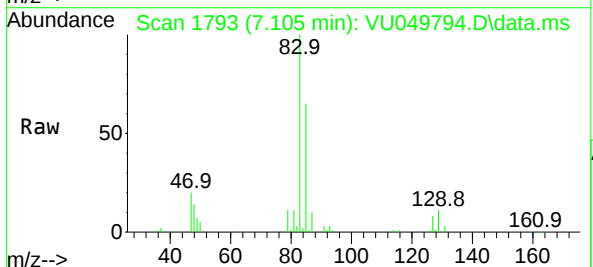
Tgt Ion: 83 Resp: 123041

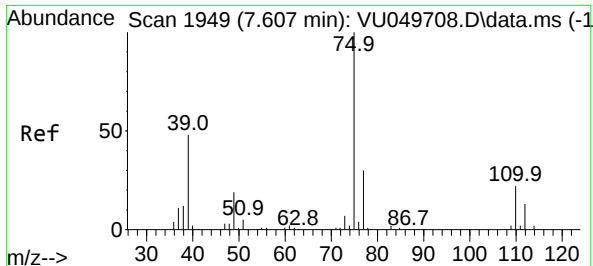
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 52.552 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

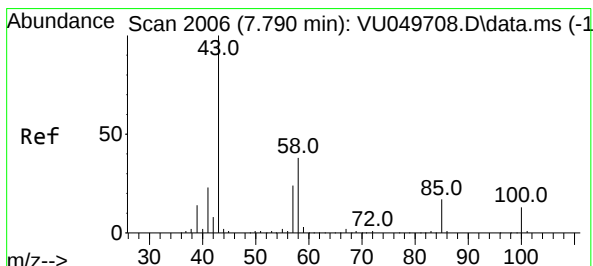
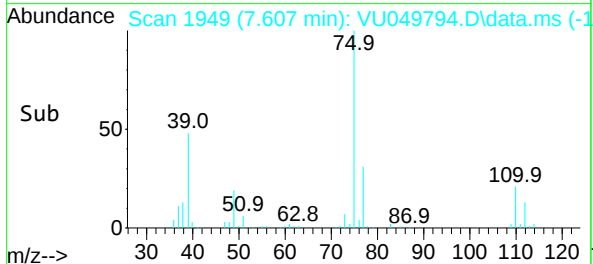
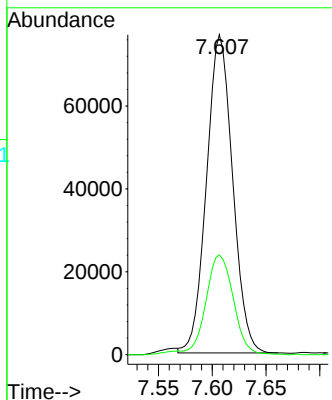
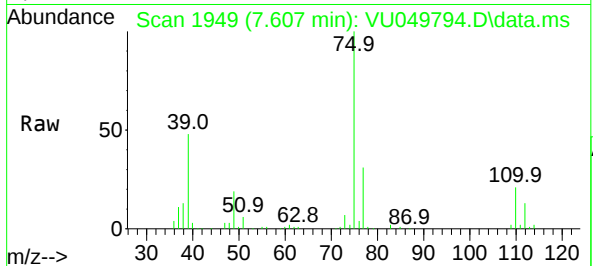
VSTD050170

Tgt Ion: 75 Resp: 129645

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 115.988 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

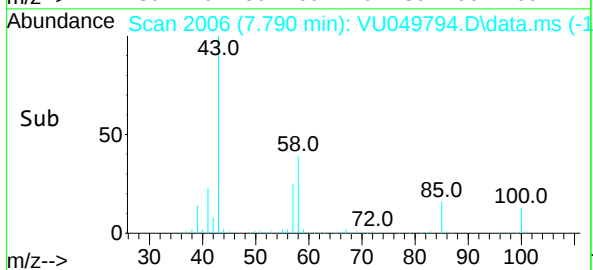
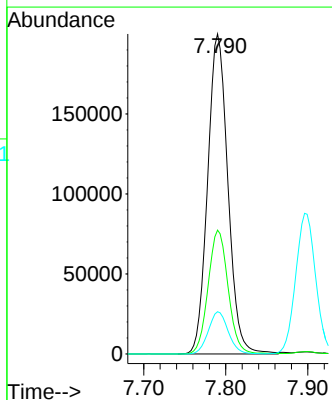
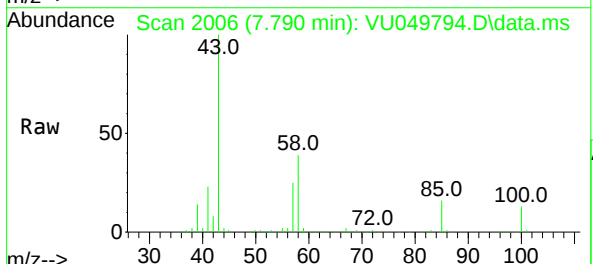
Tgt Ion: 43 Resp: 343471

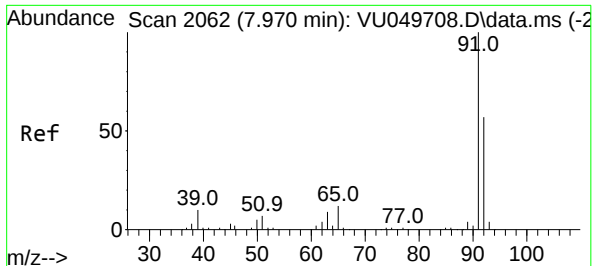
Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.0

100 13.0 10.3 15.5





#42

Toluene

Concen: 52.373 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

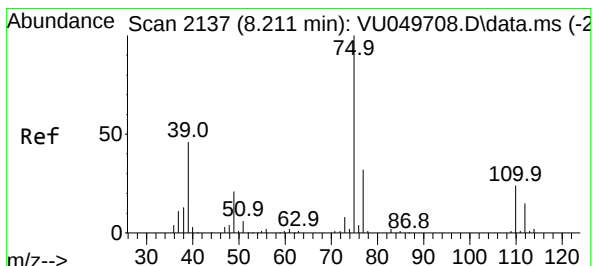
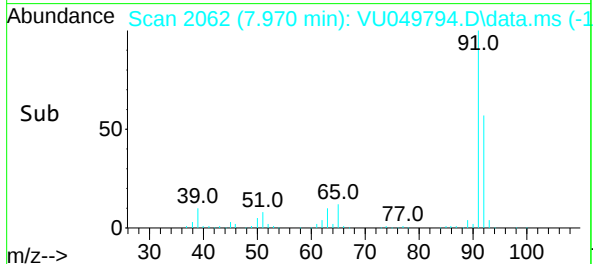
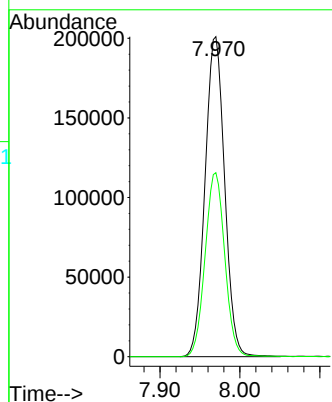
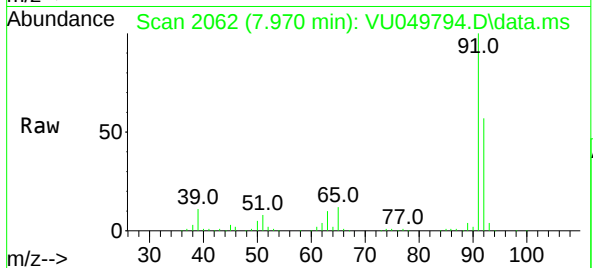
VSTD050170

Tgt Ion: 91 Resp: 343512

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 54.874 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049794.D

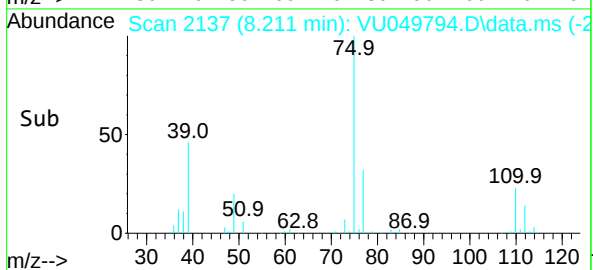
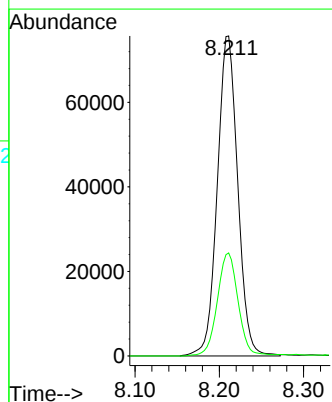
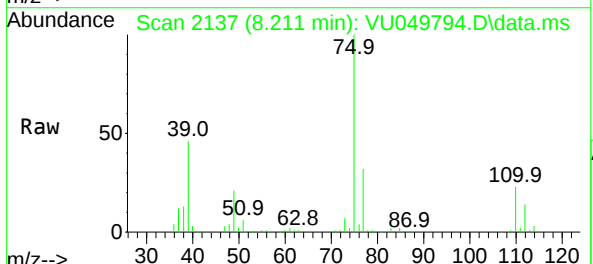
Acq: 19 Jul 2022 18:49

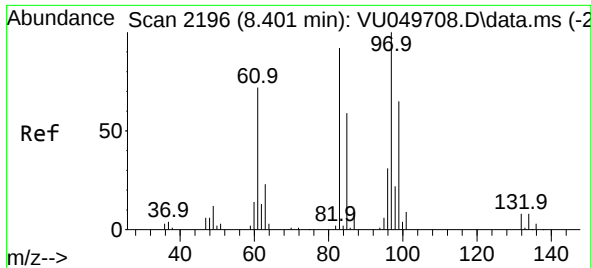
Tgt Ion: 75 Resp: 127108

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9

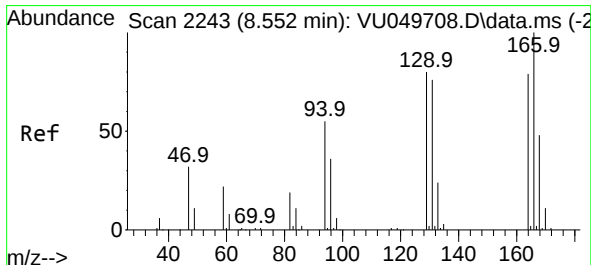
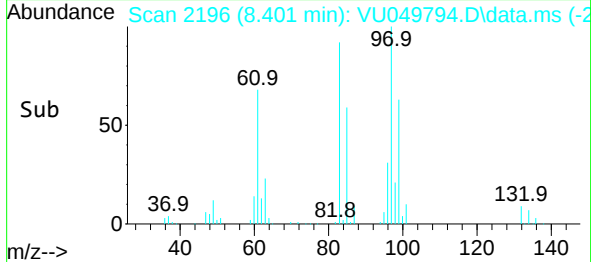
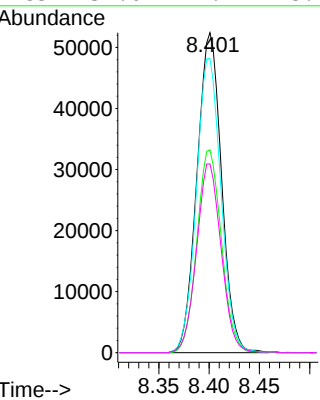
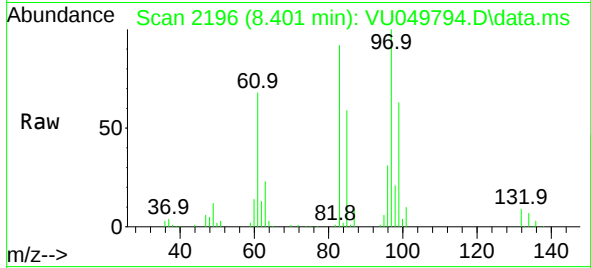




#45
1,1,2-Trichloroethane
Concen: 55.801 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

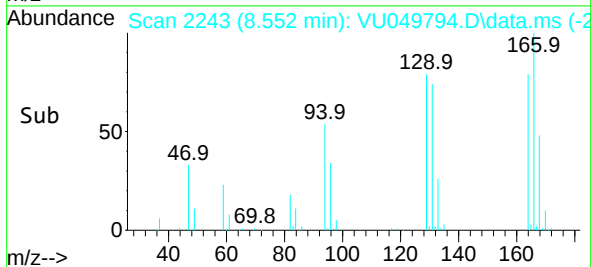
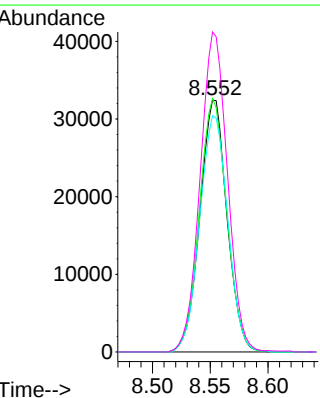
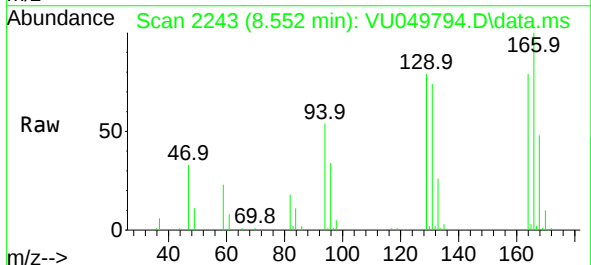
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

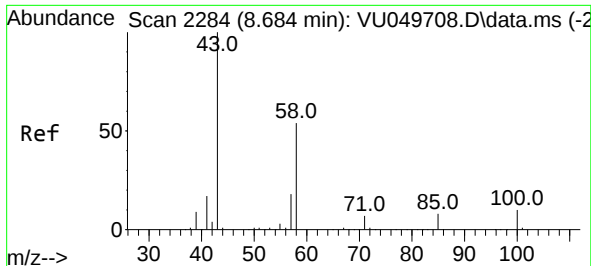
Tgt Ion:	97	Resp:	89093
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.3	82.3
83	91.9	64.0	118.8
85	59.0	42.2	78.4



#46
Tetrachloroethene
Concen: 47.906 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion:	164	Resp:	53003
Ion	Ratio	Lower	Upper
164	100		
129	100.6	72.0	133.8
131	93.8	69.0	128.1
166	127.0	91.1	169.3



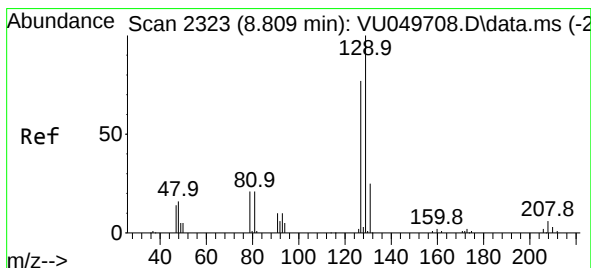
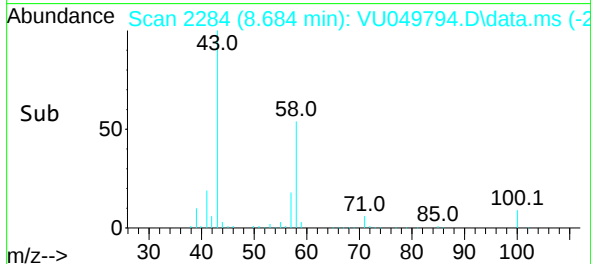
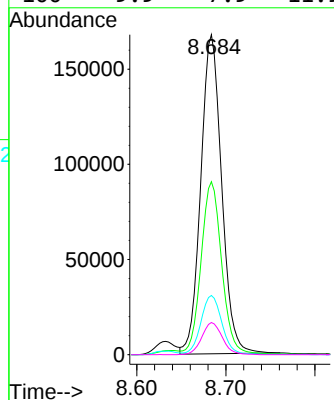
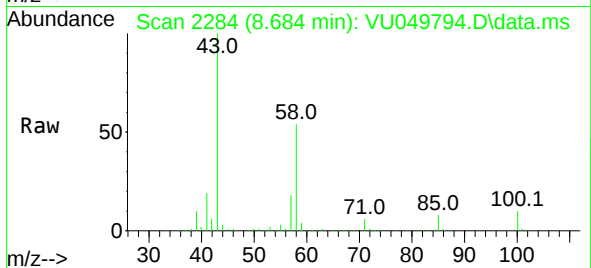


#48
2-Hexanone
Concen: 115.224 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

Tgt Ion: 43 Resp: 272665

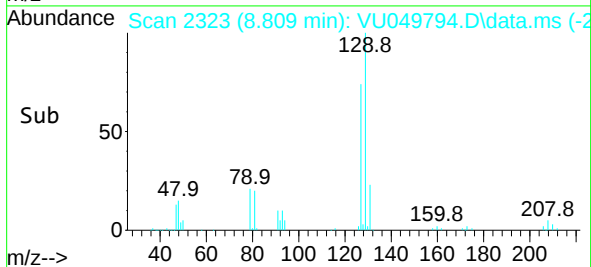
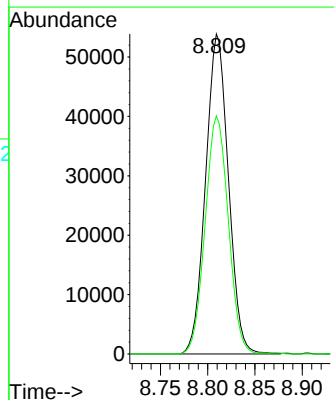
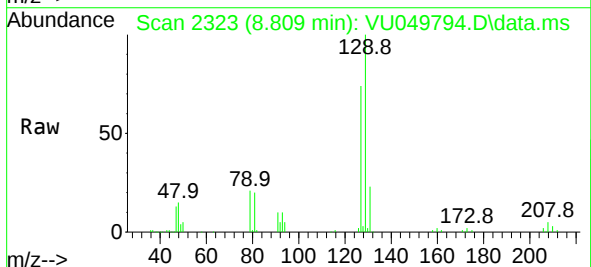
Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.6	64.0
57	18.4	15.0	22.6
100	9.9	7.9	11.9

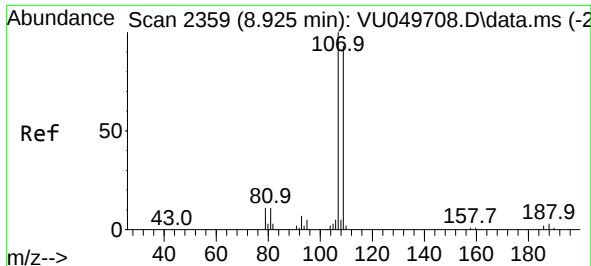


#49
Dibromochloromethane
Concen: 56.348 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 129 Resp: 90487

Ion	Ratio	Lower	Upper
129	100		
127	74.4	56.9	105.7

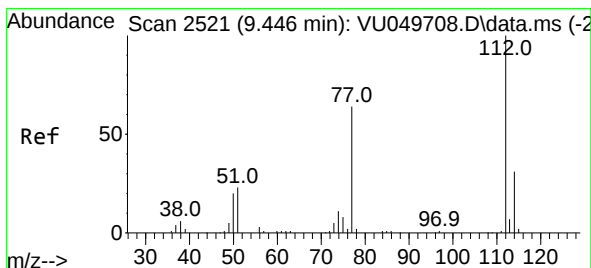
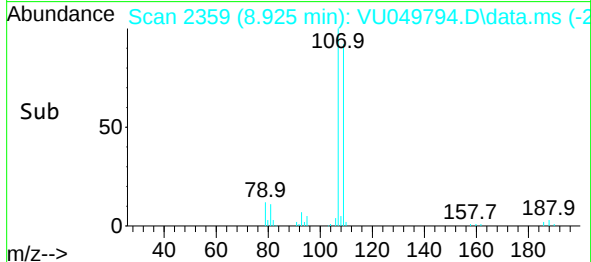
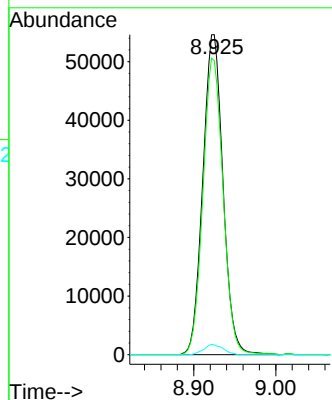
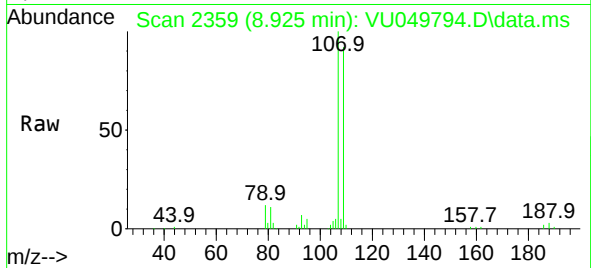




#50
1,2-Dibromoethane
Concen: 58.914 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

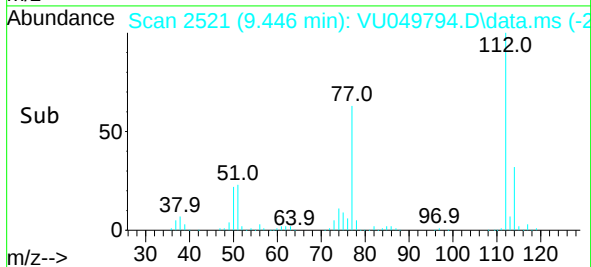
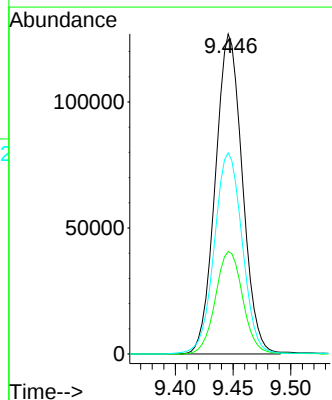
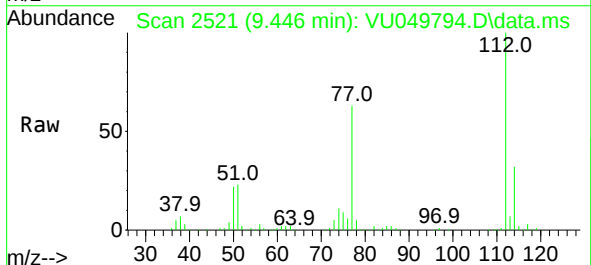
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

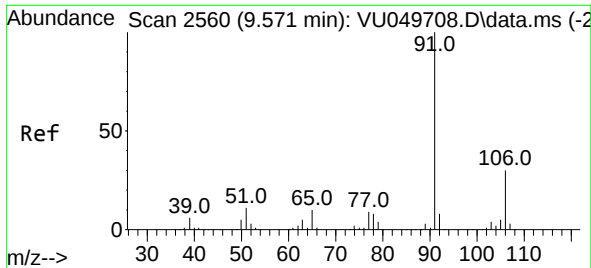
Tgt Ion:107 Resp: 93438
Ion Ratio Lower Upper
107 100
109 91.9 65.7 121.9
188 3.0 2.7 4.1



#51
Chlorobenzene
Concen: 52.046 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion:112 Resp: 206727
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 62.9 51.2 76.8

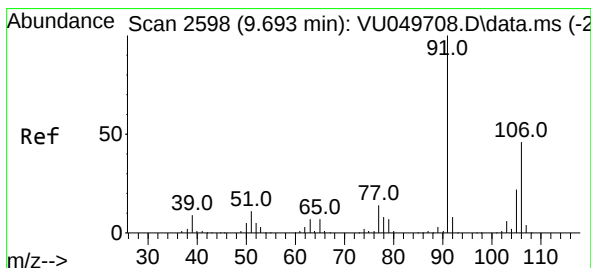
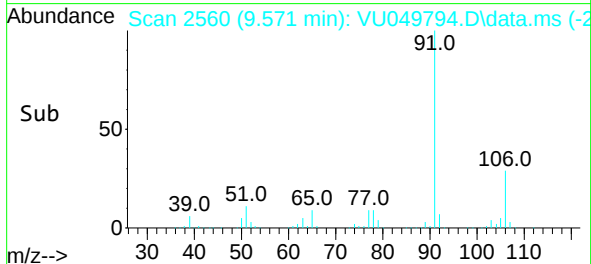
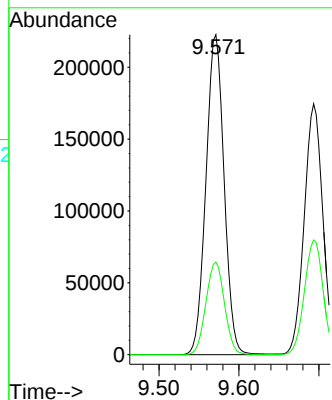
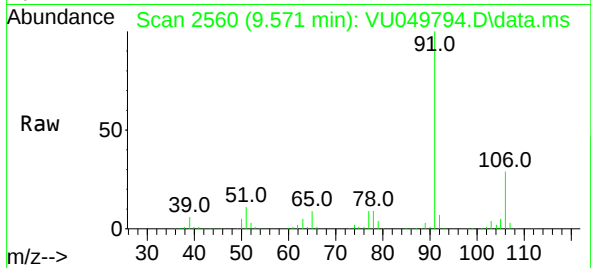




#52
Ethylbenzene
Concen: 50.916 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

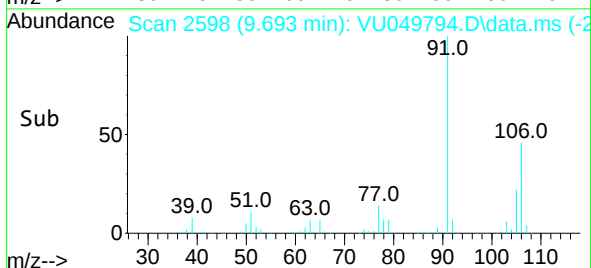
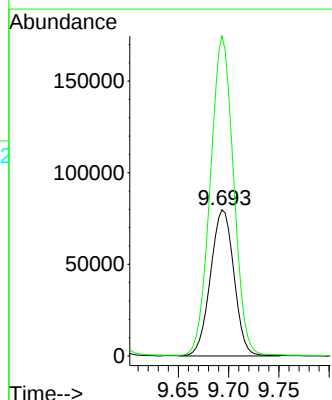
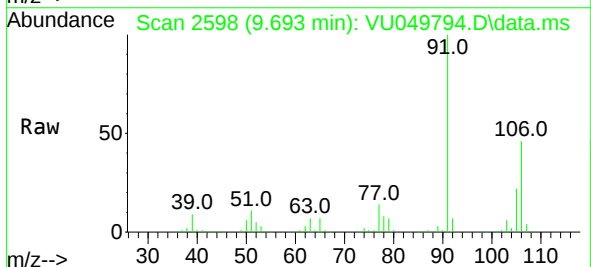
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

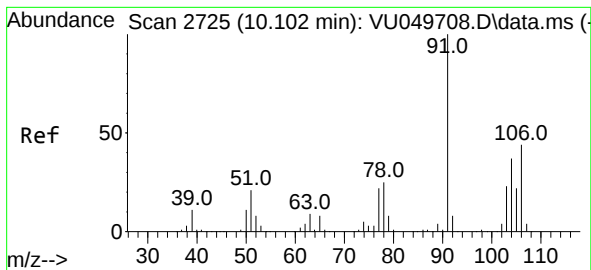
Tgt Ion: 91 Resp: 352409
Ion Ratio Lower Upper
91 100
106 28.9 21.0 39.0



#53
m,p-Xylene
Concen: 51.566 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion:106 Resp: 129780
Ion Ratio Lower Upper
106 100
91 218.7 151.7 281.7





#54

o-Xylene

Concen: 53.346 ug/L

RT: 10.098 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

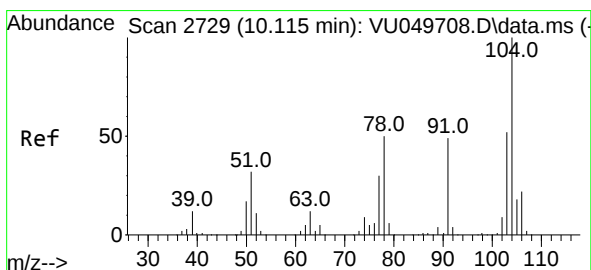
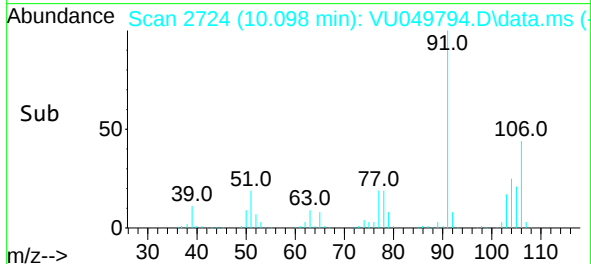
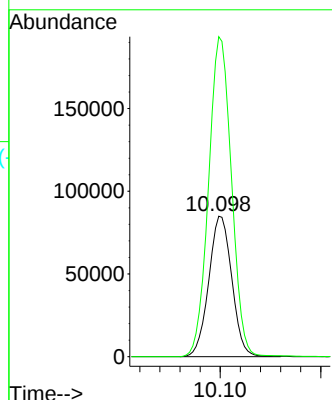
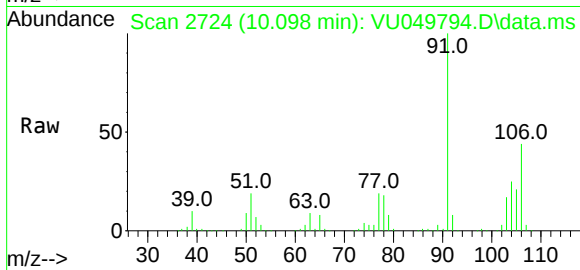
VSTD050170

Tgt Ion:106 Resp: 135187

Ion Ratio Lower Upper

106 100

91 227.7 156.9 291.5



#55

Styrene

Concen: 54.567 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU049794.D

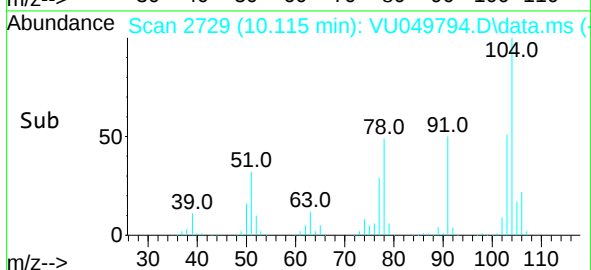
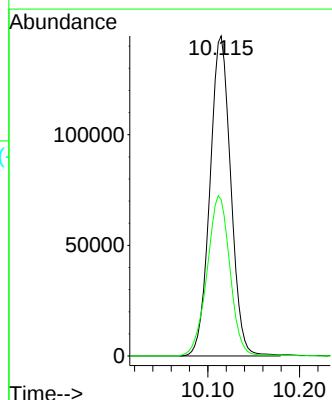
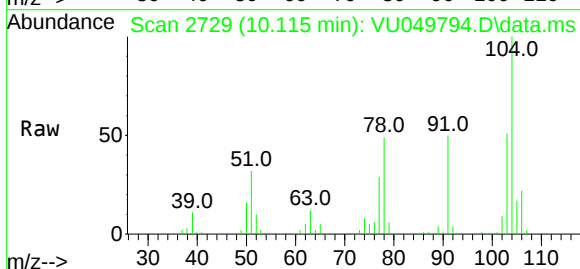
Acq: 19 Jul 2022 18:49

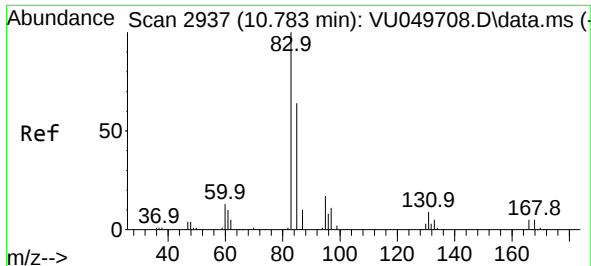
Tgt Ion:104 Resp: 228206

Ion Ratio Lower Upper

104 100

78 48.8 36.1 67.1

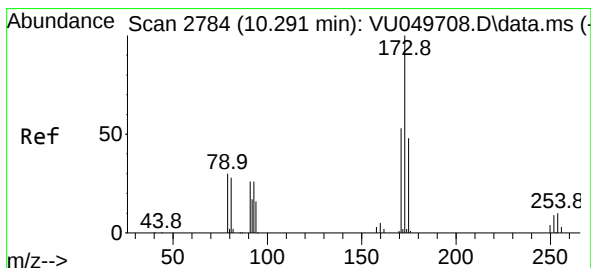
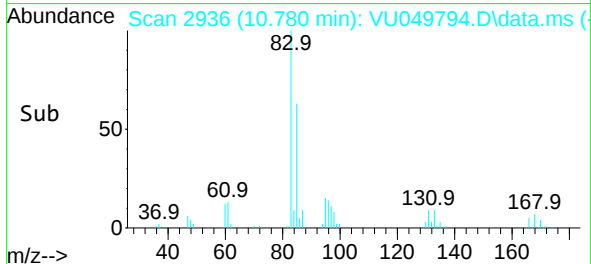
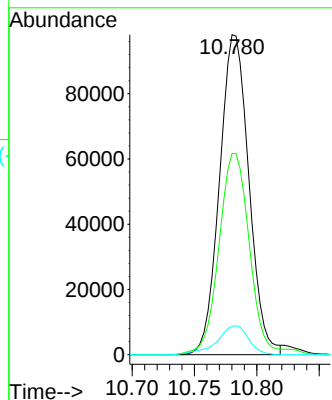
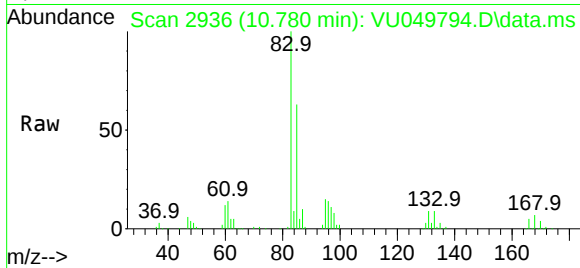




#57
1,1,2,2-Tetrachloroethane
Concen: 56.208 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

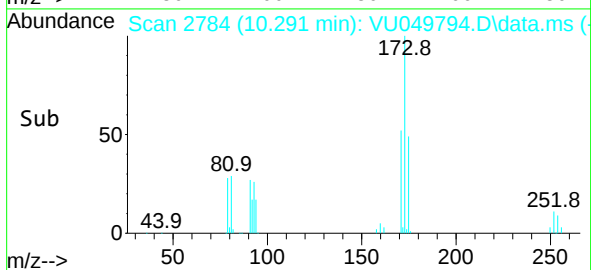
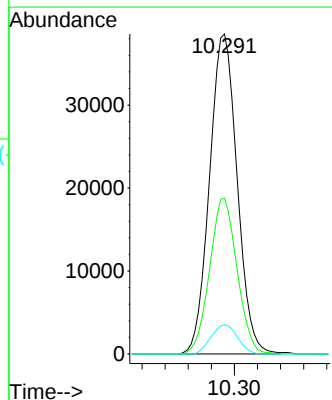
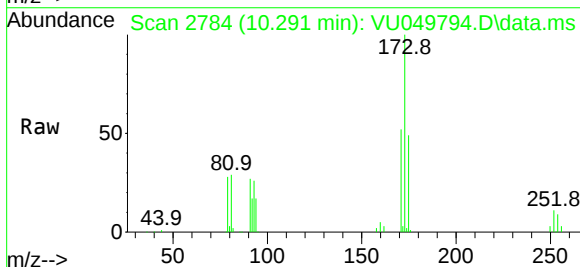
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

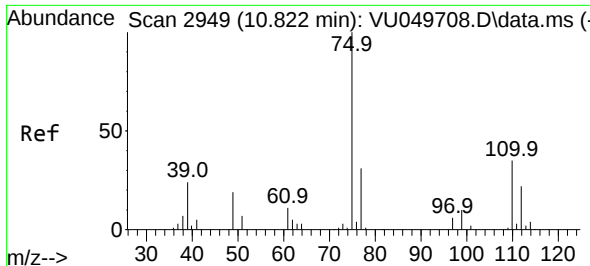
Tgt Ion: 83 Resp: 160645
Ion Ratio Lower Upper
83 100
85 62.9 45.0 83.6
131 8.8 7.0 10.6



#59
Bromoform
Concen: 54.910 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.003 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 173 Resp: 63951
Ion Ratio Lower Upper
173 100
175 48.3 38.6 58.0
254 8.7 7.4 11.0

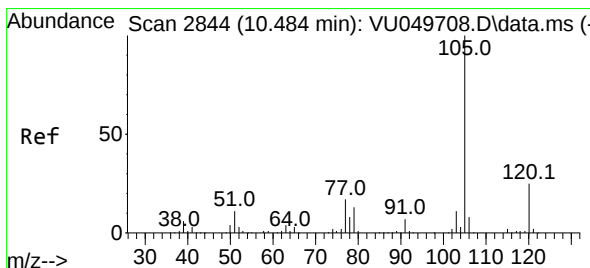
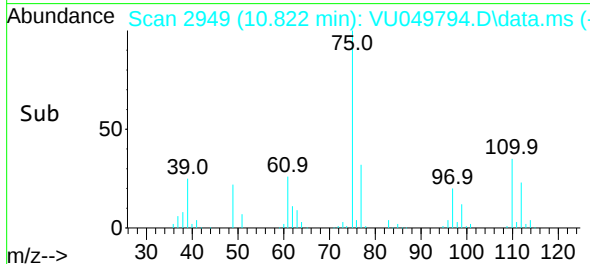
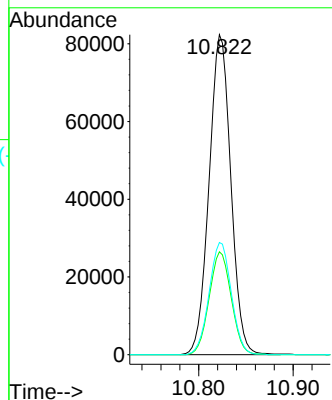
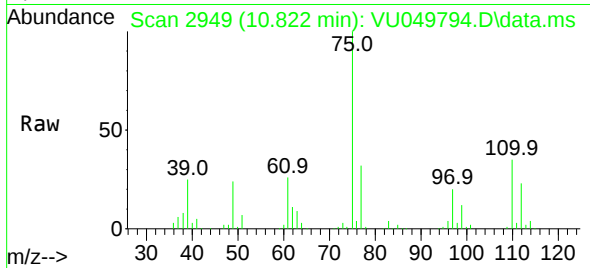




#60
1,2,3-Trichloropropane
Concen: 56.876 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

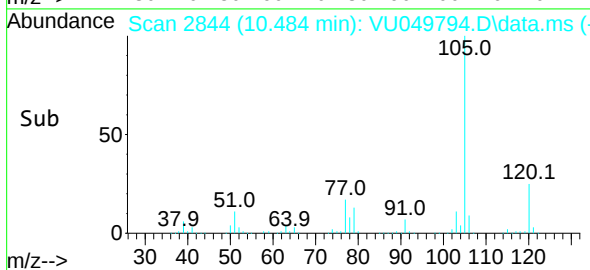
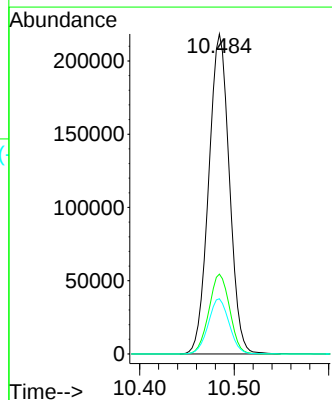
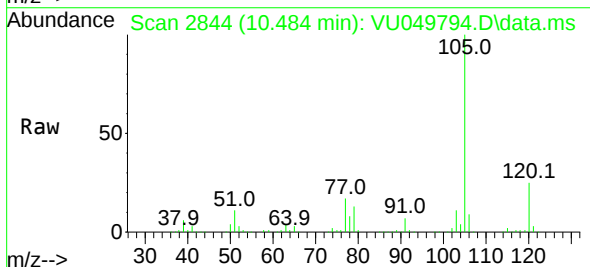
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

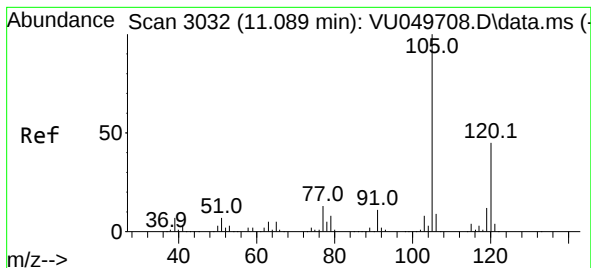
Tgt Ion: 75 Resp: 131548
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3
110 35.8 28.9 43.3



#61
Isopropylbenzene
Concen: 51.110 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion: 105 Resp: 331391
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: 52.223 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

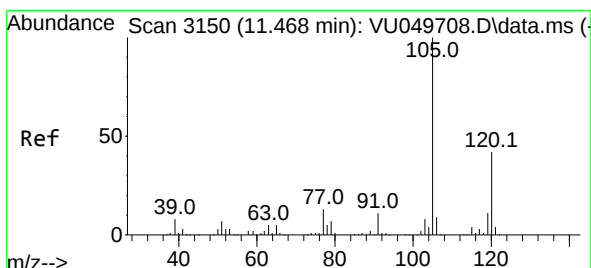
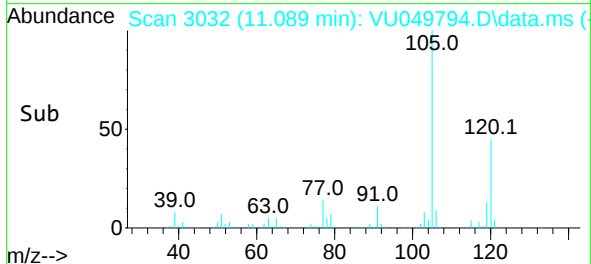
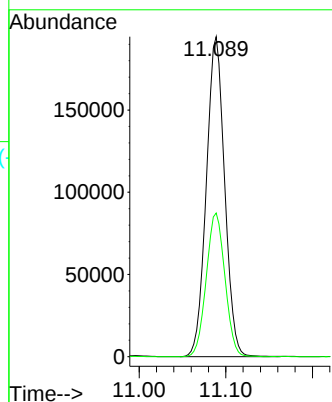
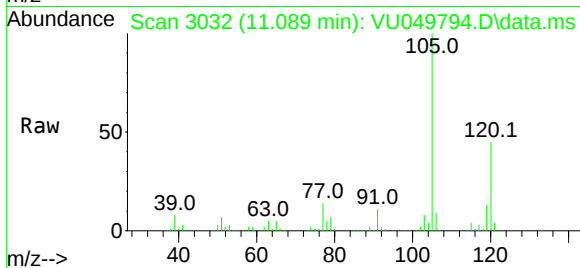
VSTD050170

Tgt Ion:105 Resp: 285616

Ion Ratio Lower Upper

105 100

120 45.8 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 51.800 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049794.D

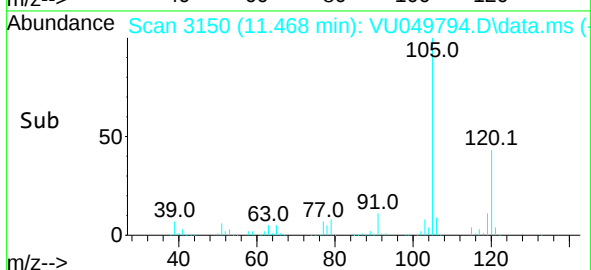
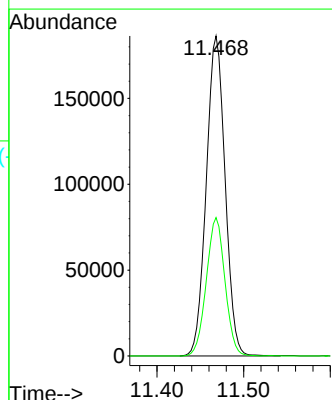
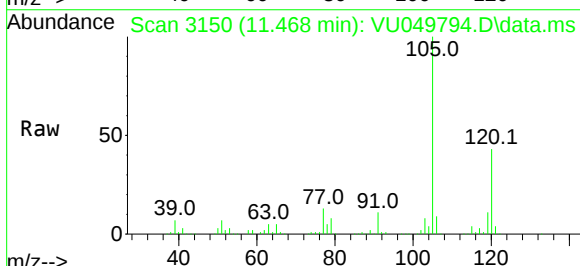
Acq: 19 Jul 2022 18:49

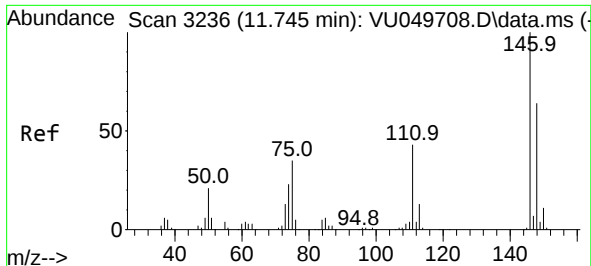
Tgt Ion:105 Resp: 281448

Ion Ratio Lower Upper

105 100

120 42.8 33.9 50.9

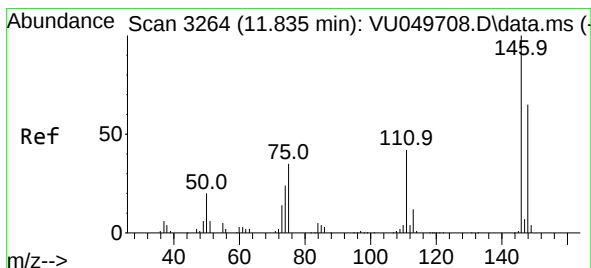
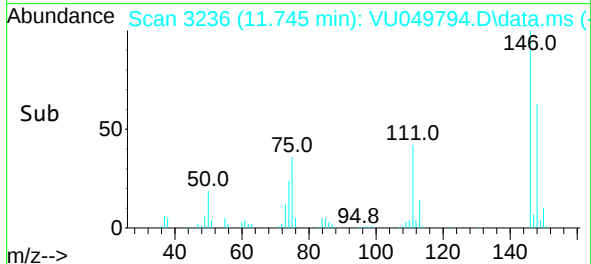
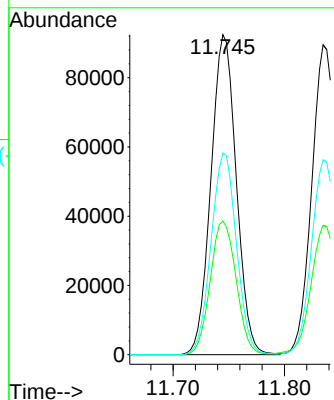
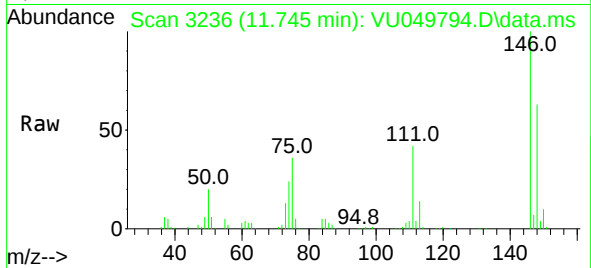




#64
1,3-Dichlorobenzene
Concen: 51.655 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

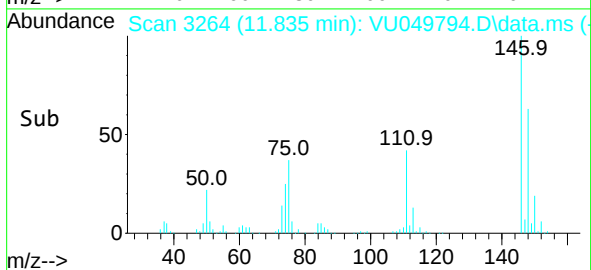
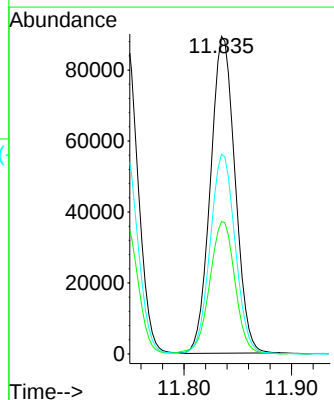
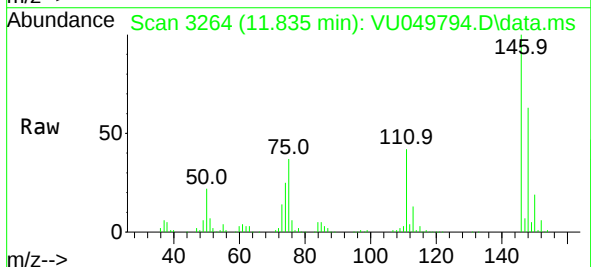
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

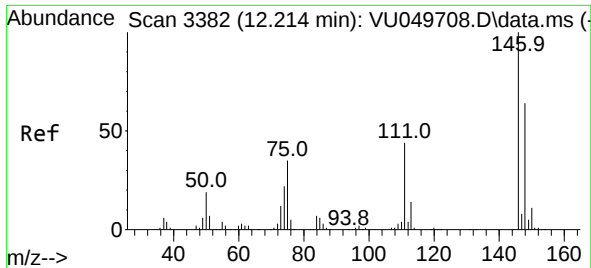
Tgt Ion:146 Resp: 146204
Ion Ratio Lower Upper
146 100
111 41.7 30.0 55.6
148 63.1 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 49.924 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049794.D
Acq: 19 Jul 2022 18:49

Tgt Ion:146 Resp: 141944
Ion Ratio Lower Upper
146 100
111 41.7 29.1 54.1
148 62.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 53.434 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

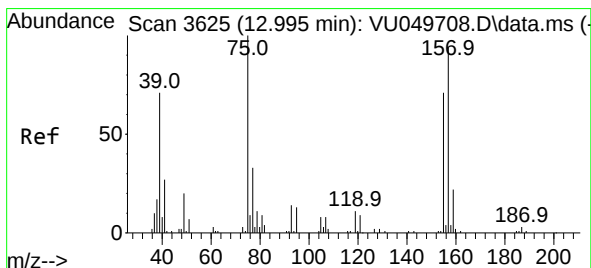
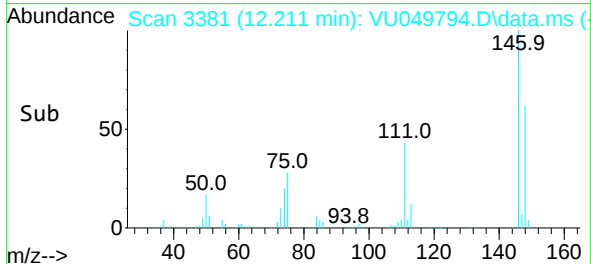
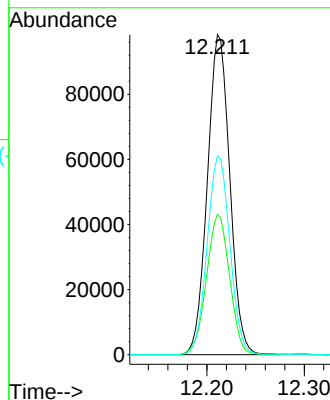
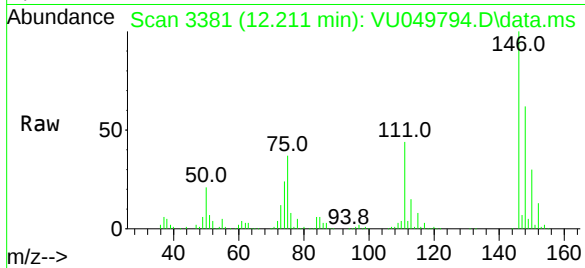
Tgt Ion:146 Resp: 157266

Ion Ratio Lower Upper

146 100

111 43.9 35.8 53.8

148 62.1 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 56.736 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

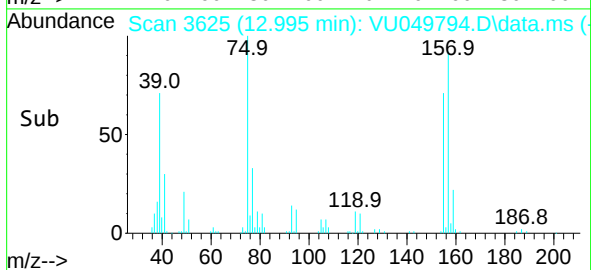
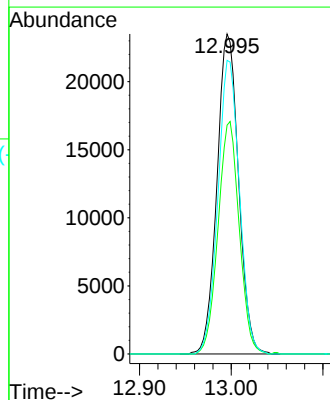
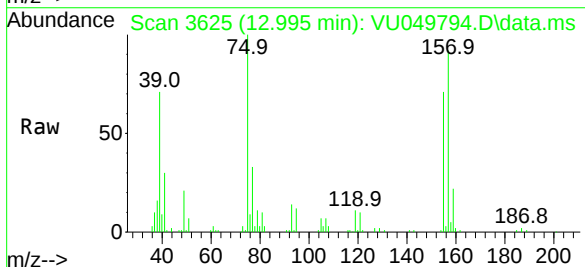
Tgt Ion: 75 Resp: 38451

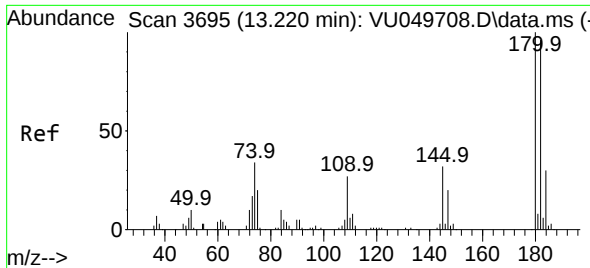
Ion Ratio Lower Upper

75 100

155 71.5 57.7 86.5

157 91.8 75.6 113.4

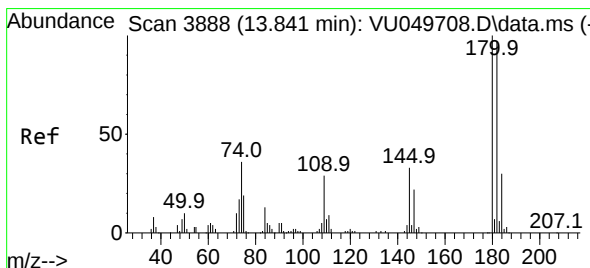
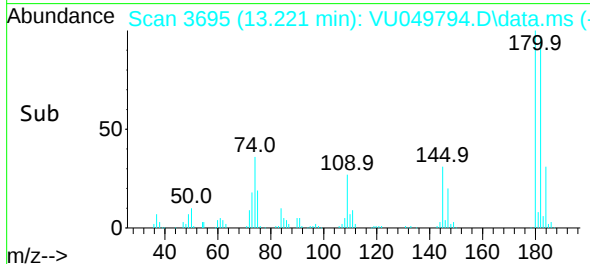
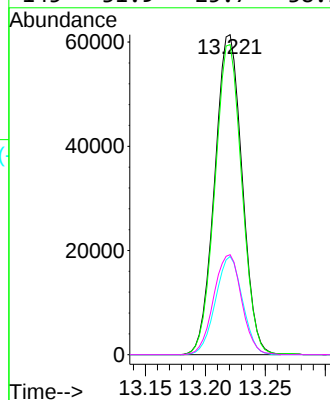
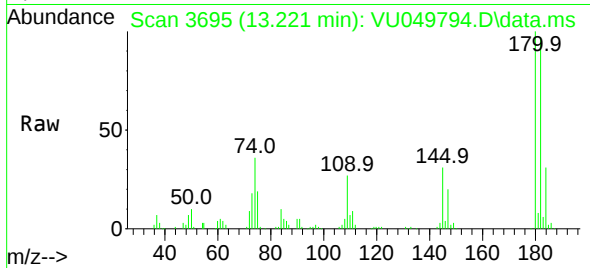




#69
 1,3,5-Trichlorobenzene
 Concen: 49.187 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

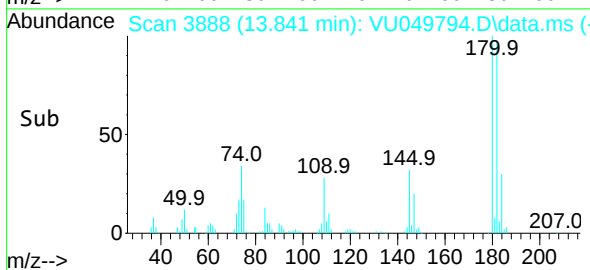
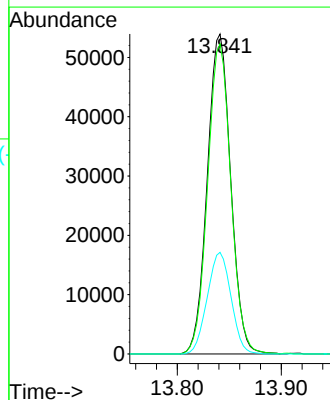
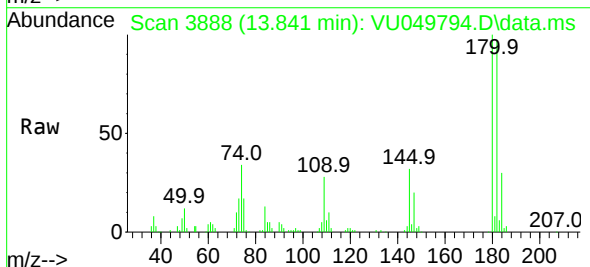
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

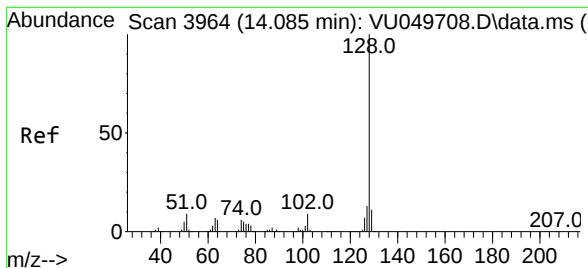
Tgt Ion:180	Resp:	97554
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.0 114.0
184	30.1	24.0 36.0
145	31.9	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 46.486 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049794.D
 Acq: 19 Jul 2022 18:49

Tgt Ion:180	Resp:	84607
Ion Ratio	Lower	Upper
180	100	
182	96.0	74.8 112.2
145	32.2	24.7 37.1





#71

Naphthalene

Concen: 49.919 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

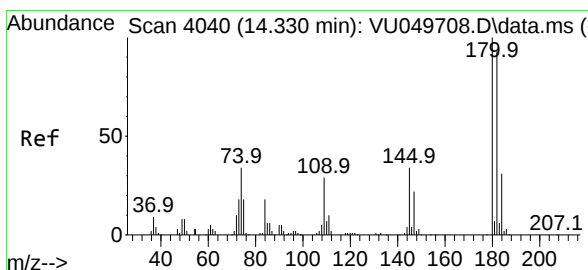
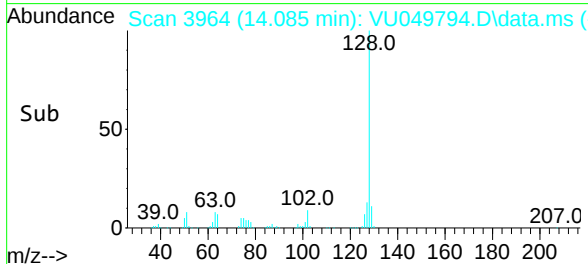
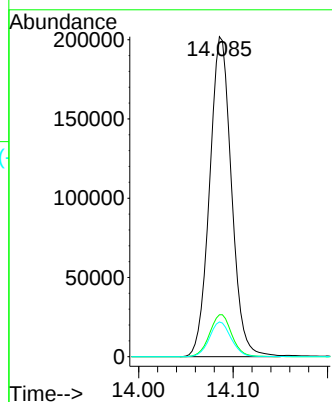
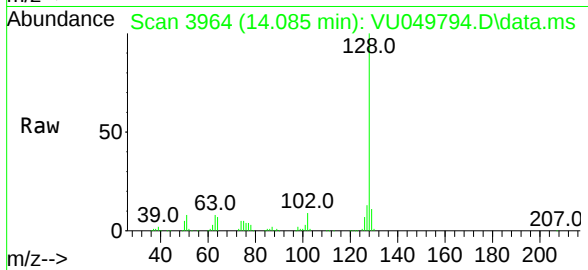
Tgt Ion:128 Resp: 324797

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.362 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049794.D

Acq: 19 Jul 2022 18:49

Tgt Ion:180 Resp: 94949

Ion Ratio Lower Upper

180 100

182 94.6 76.6 115.0

145 34.1 27.1 40.7

