

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071422\
 Data File : VU049723.D
 Acq On : 14 Jul 2022 17:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Jul 15 04:05:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 04:01:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	196648	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	184799	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	92678	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	66820	40.272	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.899	69	52065	43.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.820%
11) 1,1-Dichloroethene-d2	2.565	63	124937	42.629	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.260%
21) 2-Butanone-d5	4.623	46	168397	118.890	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.890%
24) Chloroform-d	5.063	84	148346	50.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.960%
26) 1,2-Dichloroethane-d4	5.700	65	101880	51.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.440%
32) Benzene-d6	5.726	84	264444	47.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.690	67	95219	50.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.840%
41) Toluene-d8	7.896	98	229301	46.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	8.179	79	39485	49.629	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.260%
47) 2-Hexanone-d5	8.632	63	96984	114.175	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	145405	55.031	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.060%
66) 1,2-Dichlorobenzene-d4	12.192	152	84483	48.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104364	44.274	ug/L	97
3) Chloromethane	1.520	50	126517	48.904	ug/L	100
5) Vinyl chloride	1.600	62	106119	45.394	ug/L	98
6) Bromomethane	1.838	94	51459	47.642	ug/L	99
8) Chloroethane	1.922	64	57906	44.715	ug/L	100
9) Trichlorofluoromethane	2.131	101	131811	45.656	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	66506	43.901	ug/L	99
12) 1,1-Dichloroethene	2.575	96	65045	46.263	ug/L	99
13) Acetone	2.626	43	114849	85.321	ug/L	96
14) Carbon disulfide	2.787	76	189234	39.913	ug/L	99
15) Methyl Acetate	2.948	43	125617	57.441	ug/L	99
16) Methylene chloride	3.041	84	89535	50.570	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	70130	45.597	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	272777	51.778	ug/L	99
19) 1,1-Dichloroethane	3.867	63	161165	50.332	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	85639	49.543	ug/L	100
22) 2-Butanone	4.703	43	190780	105.859	ug/L	100
23) Bromochloromethane	4.973	128	45315	52.539	ug/L	97
25) Chloroform	5.086	83	165392	51.510	ug/L	99

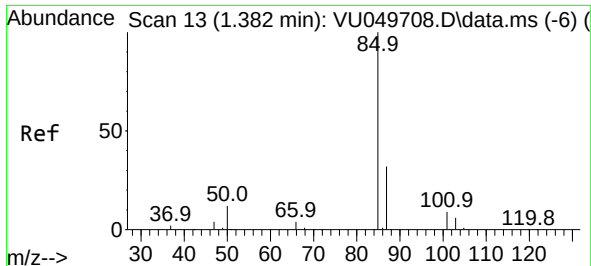
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071422\
 Data File : VU049723.D
 Acq On : 14 Jul 2022 17:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Jul 15 04:05:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 04:01:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	140021	51.213	ug/L	98
29) Cyclohexane	5.385	56	127761	44.292	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	130715	48.859	ug/L	100
31) Carbon tetrachloride	5.523	117	103550	47.323	ug/L	99
33) Benzene	5.774	78	347447	50.019	ug/L	100
34) Trichloroethene	6.539	95	78881	46.978	ug/L	98
35) Methylcyclohexane	6.761	83	114610	43.437	ug/L	97
37) 1,2-Dichloropropane	6.790	63	98072	50.937	ug/L	99
38) Bromodichloromethane	7.105	83	120502	50.480	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	135533	52.195	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	351666	112.826	ug/L	98
42) Toluene	7.970	91	339086	49.117	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	125563	51.500	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	86654	51.563	ug/L	98
46) Tetrachloroethene	8.552	164	54523	46.819	ug/L	98
48) 2-Hexanone	8.684	43	282573	113.448	ug/L	99
49) Dibromochloromethane	8.809	129	85624	50.657	ug/L	94
50) 1,2-Dibromoethane	8.922	107	89914	53.861	ug/L	100
51) Chlorobenzene	9.446	112	206138	49.307	ug/L	99
52) Ethylbenzene	9.571	91	352909	48.442	ug/L	98
53) m,p-Xylene	9.693	106	130845	49.393	ug/L	99
54) o-Xylene	10.099	106	134042	50.253	ug/L	99
55) Styrene	10.115	104	225714	51.276	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	160299	53.286	ug/L	100
59) Bromoform	10.291	173	61213	49.245	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	128796	52.174	ug/L	99
61) Isopropylbenzene	10.484	105	333677	48.218	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	287816	49.307	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	281563	48.554	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	146466	48.484	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	142932	47.102	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	152239	48.465	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	38227	52.849	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	99905	47.196	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	85674	44.104	ug/L	96
71) Naphthalene	14.085	128	334602	48.183	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	94313	46.870	ug/L	97

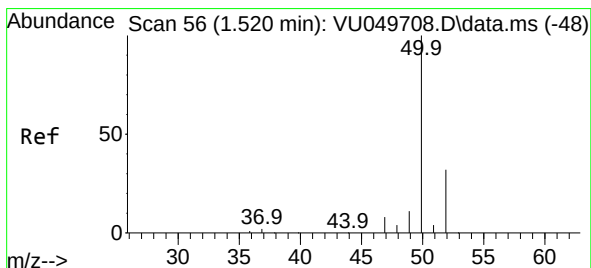
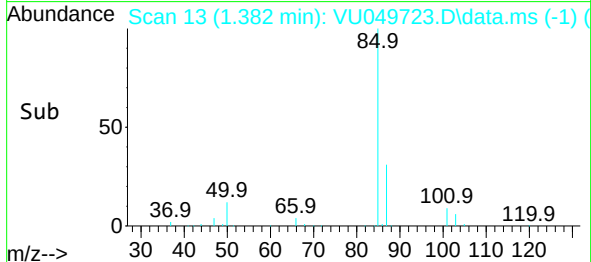
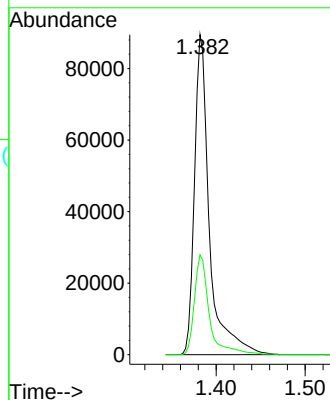
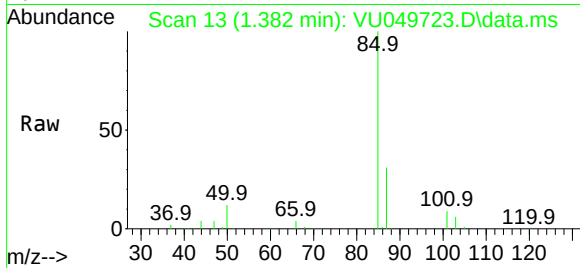
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 44.274 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

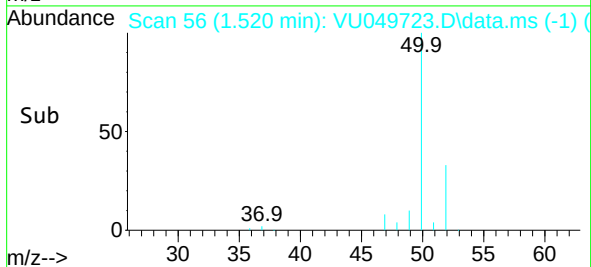
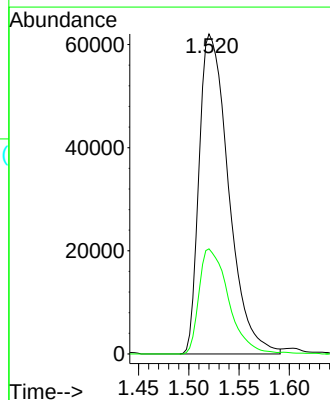
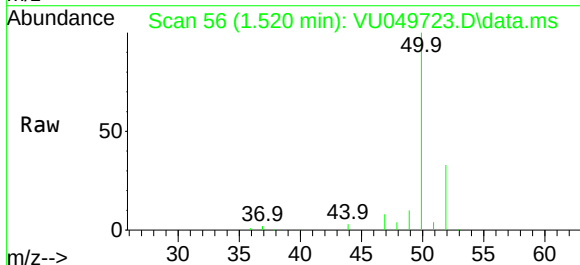
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

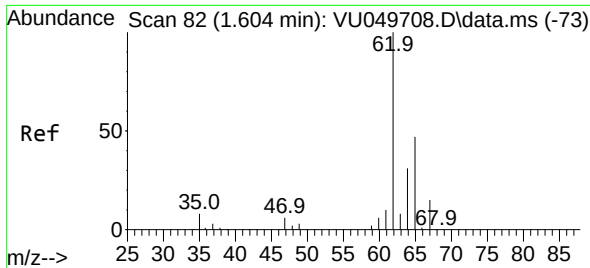
Tgt Ion: 85 Resp: 104364
Ion Ratio Lower Upper
85 100
87 31.3 26.3 39.5



#3
Chloromethane
Concen: 48.904 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 50 Resp: 126517
Ion Ratio Lower Upper
50 100
52 32.9 23.2 43.0

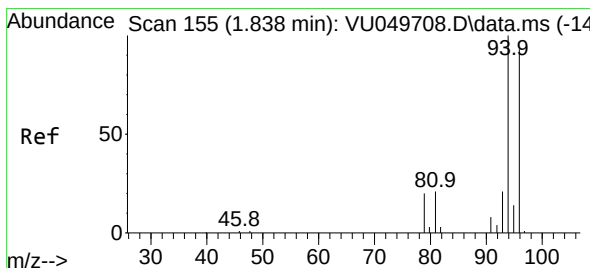
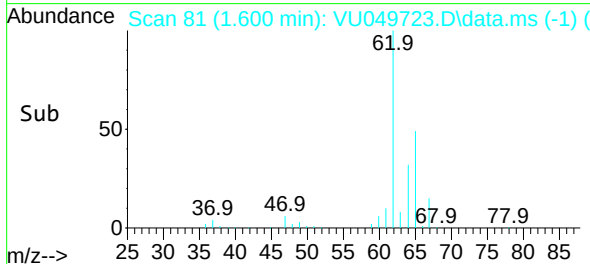
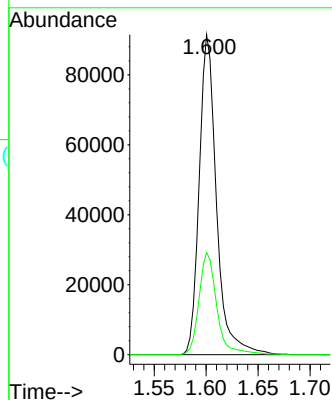
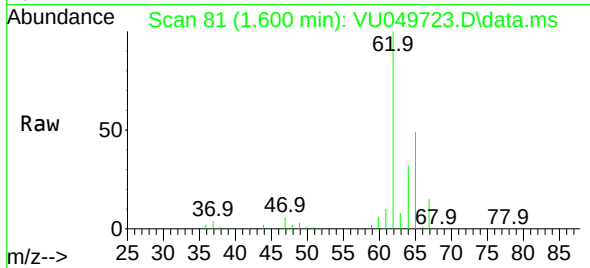




#5
 Vinyl chloride
 Concen: 45.394 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049723.D
 Acq: 14 Jul 2022 17:00

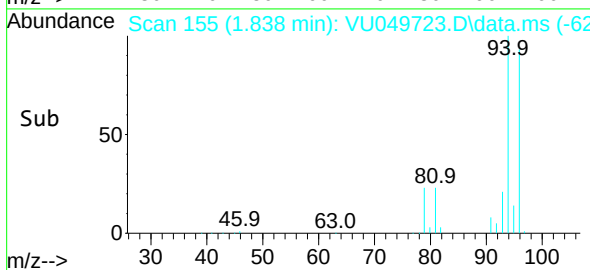
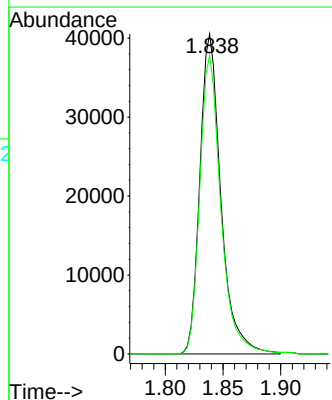
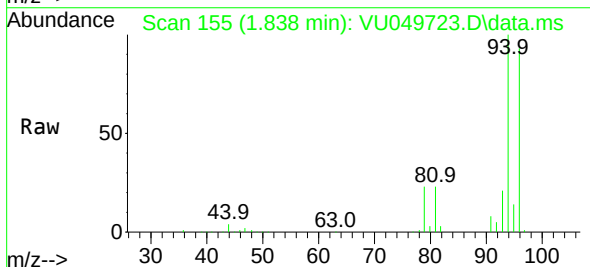
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

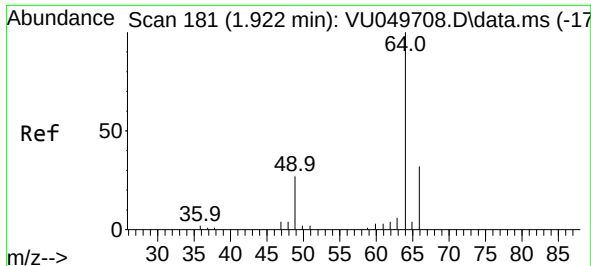
Tgt Ion: 62 Resp: 106119
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.0 42.6



#6
 Bromomethane
 Concen: 47.642 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. 0.000 min
 Lab File: VU049723.D
 Acq: 14 Jul 2022 17:00

Tgt Ion: 94 Resp: 51459
 Ion Ratio Lower Upper
 94 100
 96 93.2 66.1 122.7

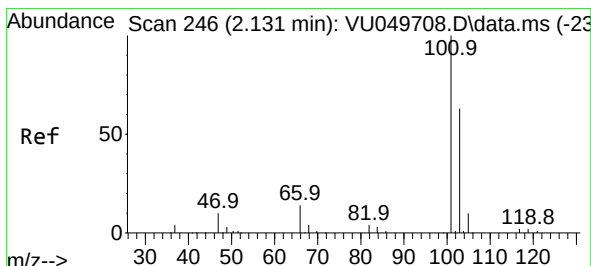
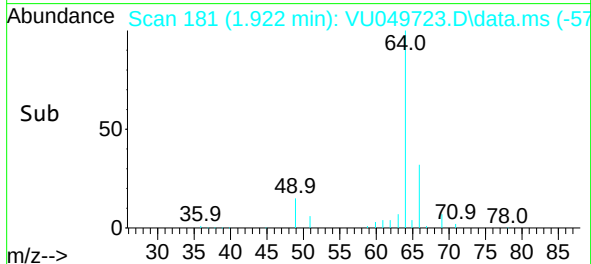
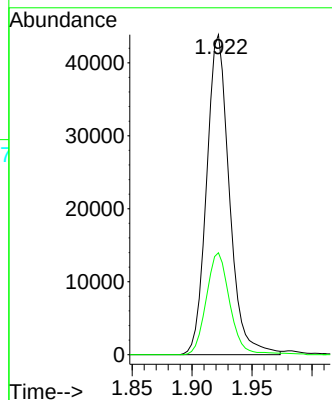
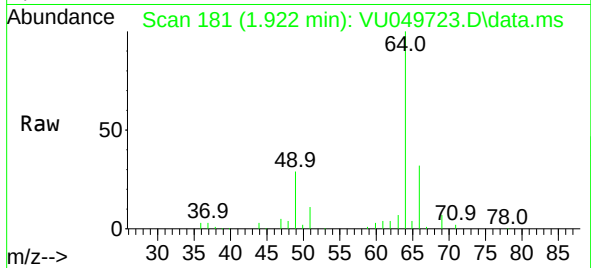




#8
Chloroethane
Concen: 44.715 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

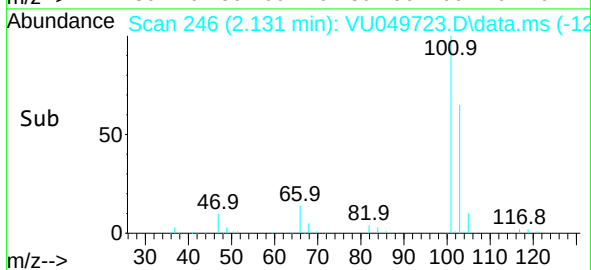
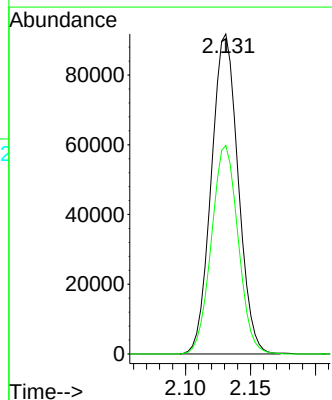
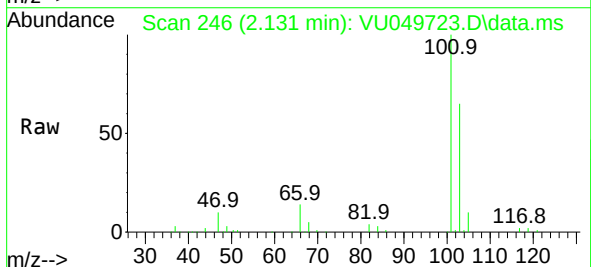
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

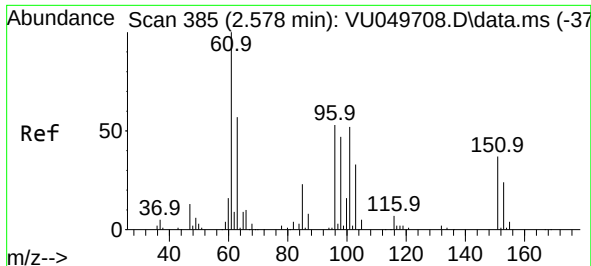
Tgt Ion: 64 Resp: 57906
Ion Ratio Lower Upper
64 100
66 31.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.656 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 101 Resp: 131811
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4

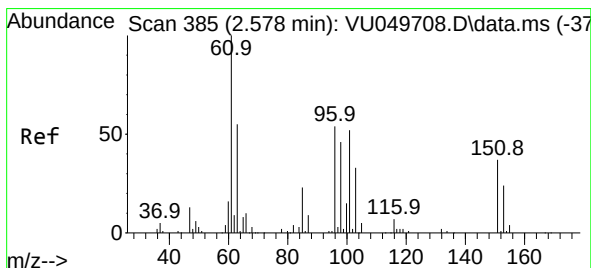
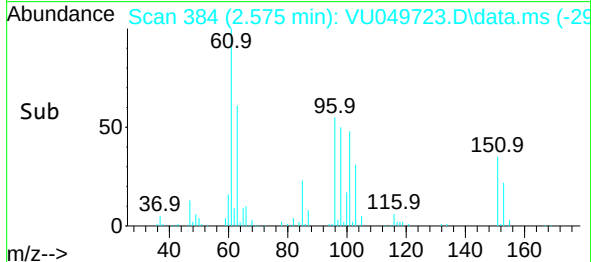
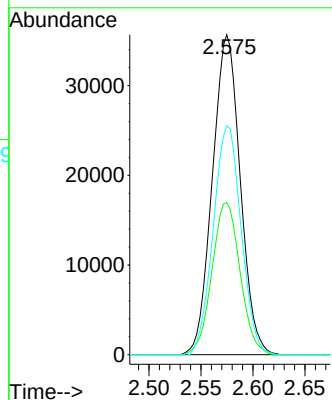
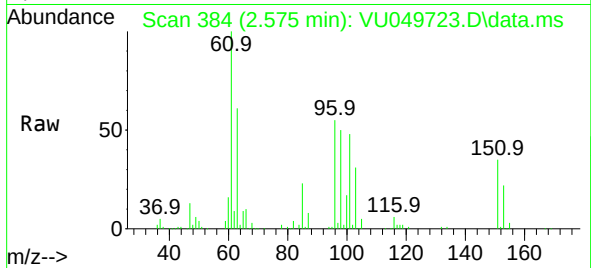




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.901 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

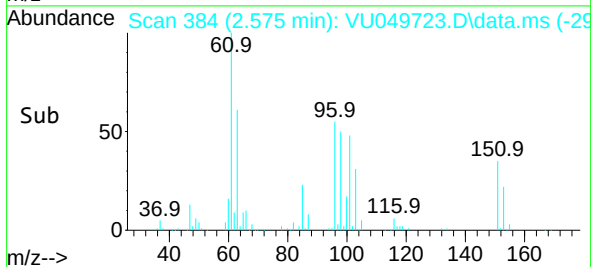
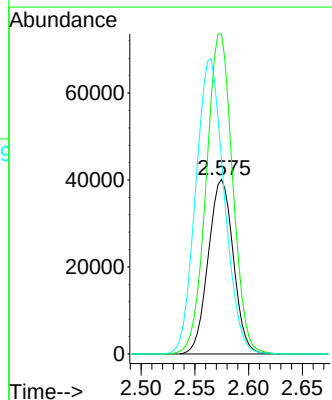
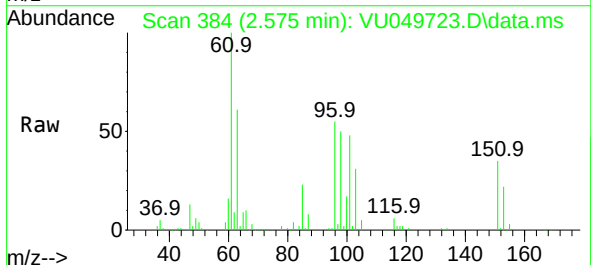
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

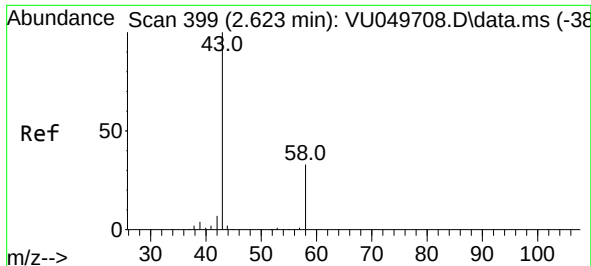
Tgt Ion:101 Resp: 66506
Ion Ratio Lower Upper
101 100
85 47.9 37.3 55.9
151 71.8 56.9 85.3



#12
1,1-Dichloroethene
Concen: 46.263 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 96 Resp: 65045
Ion Ratio Lower Upper
96 100
61 183.3 129.6 240.6
63 111.7 79.0 146.6





#13

Acetone

Concen: 85.321 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

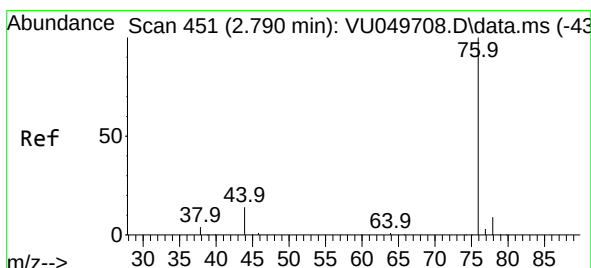
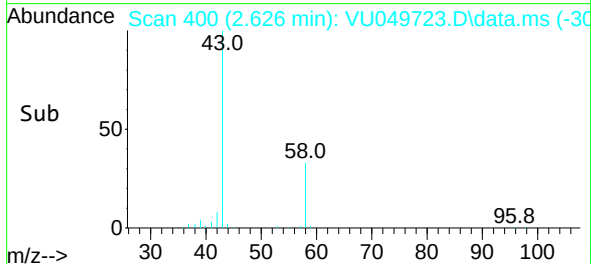
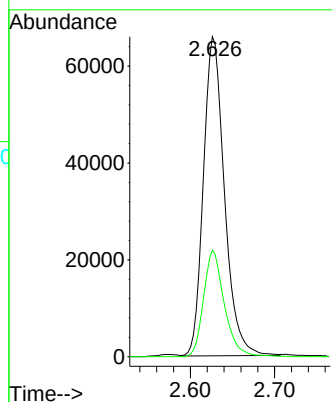
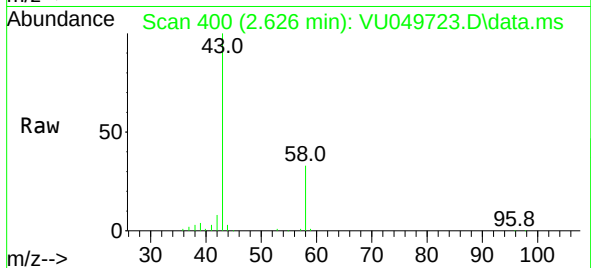
VSTD050164

Tgt Ion: 43 Resp: 114849

Ion Ratio Lower Upper

43 100

58 32.8 0.0 61.4



#14

Carbon disulfide

Concen: 39.913 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049723.D

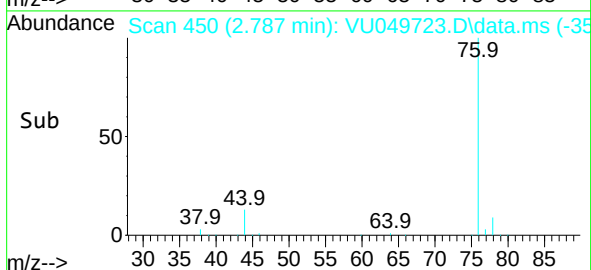
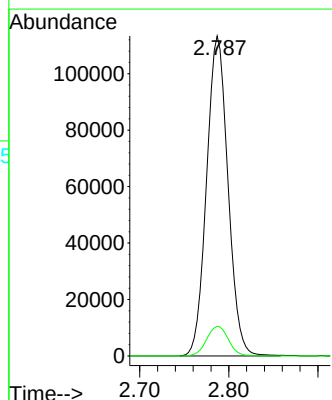
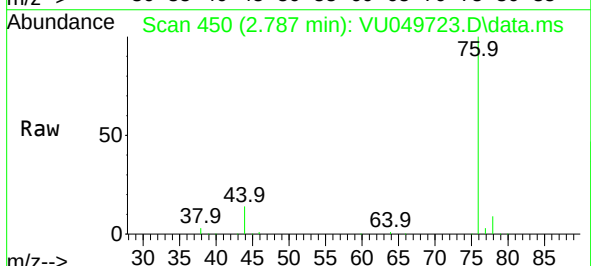
Acq: 14 Jul 2022 17:00

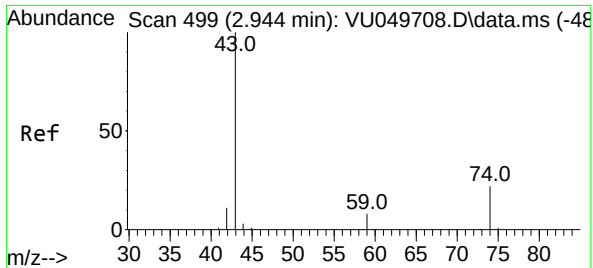
Tgt Ion: 76 Resp: 189234

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

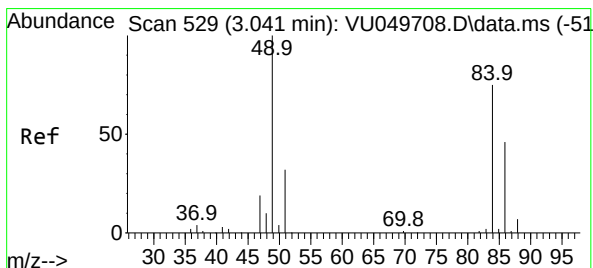
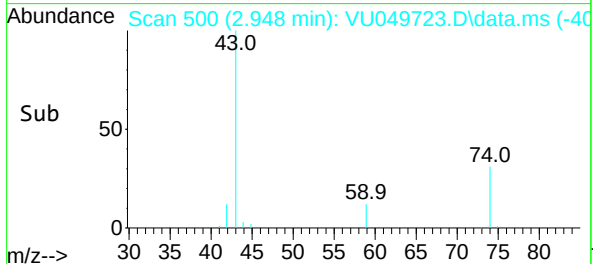
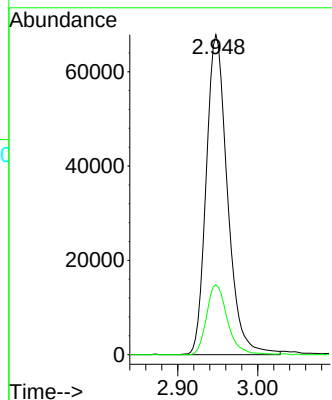
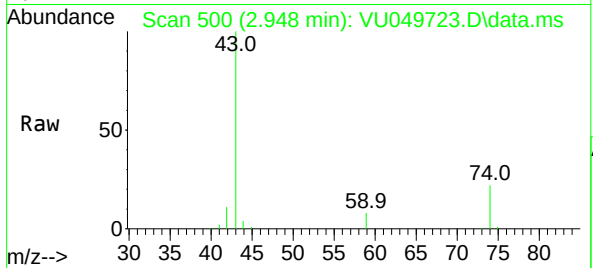




#15
Methyl Acetate
Concen: 57.441 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

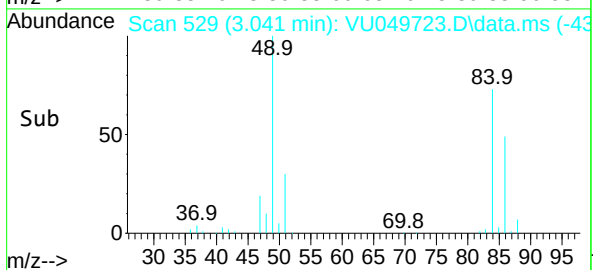
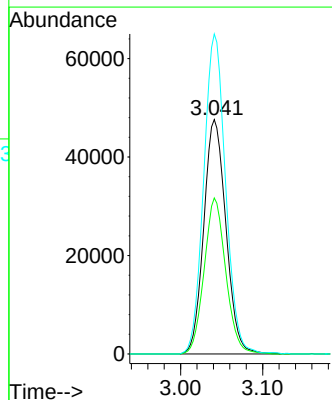
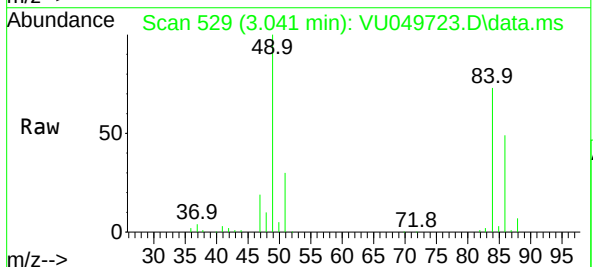
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

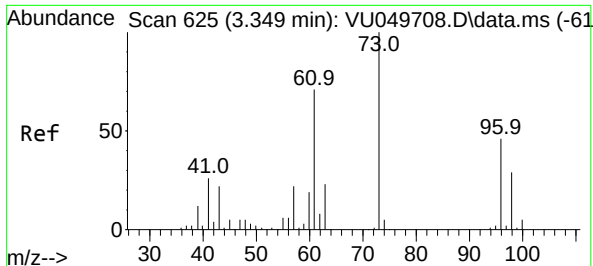
Tgt Ion: 43 Resp: 125617
Ion Ratio Lower Upper
43 100
74 21.3 17.4 26.0



#16
Methylene chloride
Concen: 50.570 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 84 Resp: 89535
Ion Ratio Lower Upper
84 100
86 66.5 45.6 84.6
49 136.5 94.4 175.4

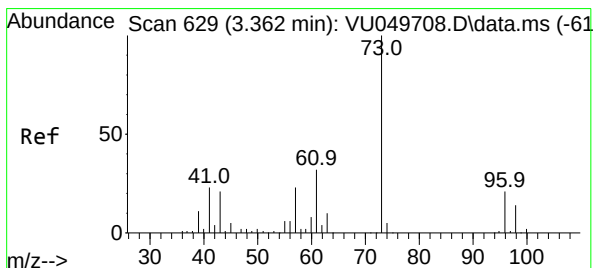
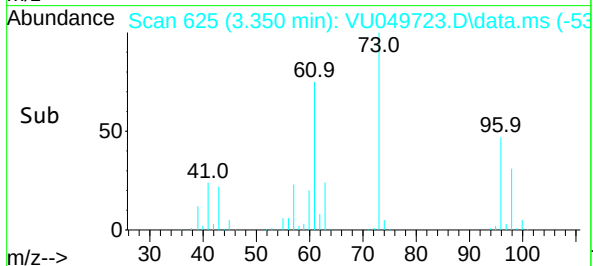
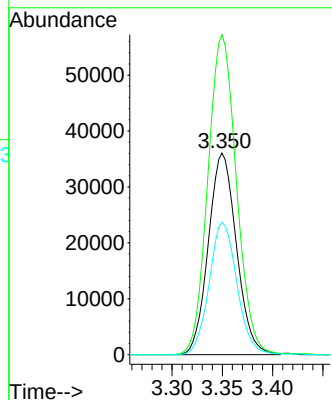
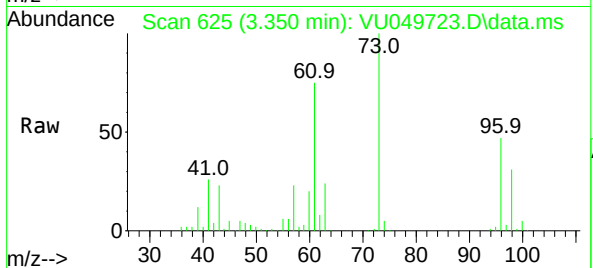




#17
trans-1,2-Dichloroethene
Concen: 45.597 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

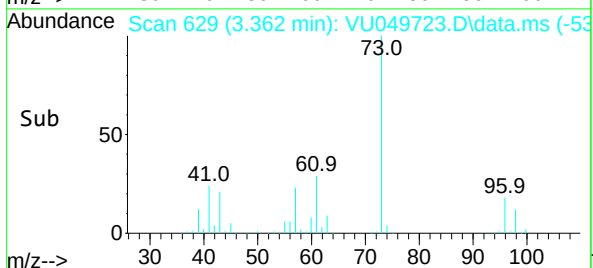
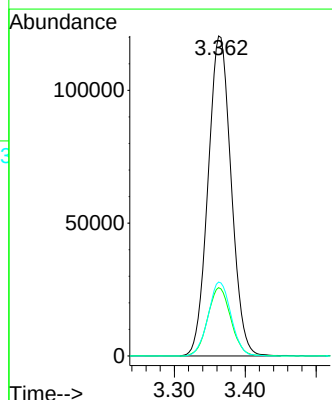
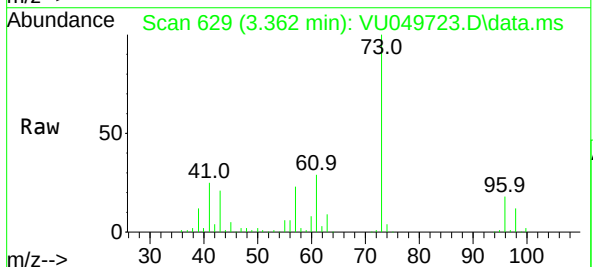
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

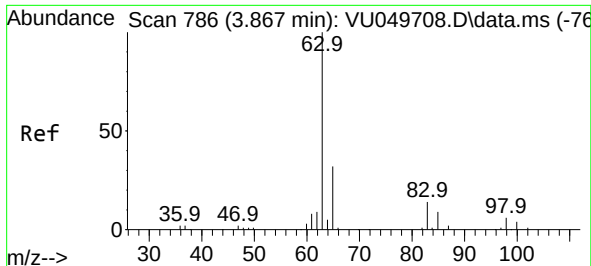
Tgt Ion: 96 Resp: 70130
Ion Ratio Lower Upper
96 100
61 158.7 107.6 199.8
98 65.7 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 51.778 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 73 Resp: 272777
Ion Ratio Lower Upper
73 100
43 21.5 17.0 25.4
57 22.8 18.5 27.7





#19

1,1-Dichloroethane

Concen: 50.332 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

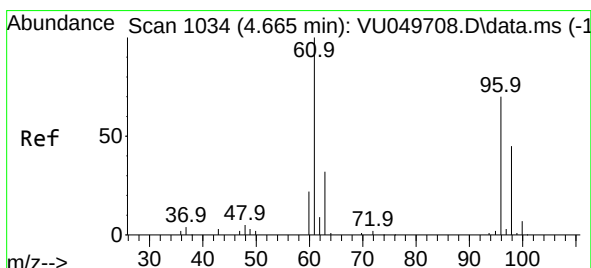
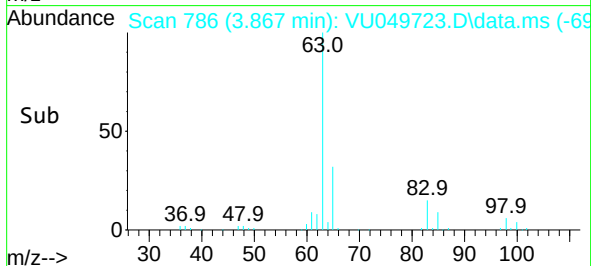
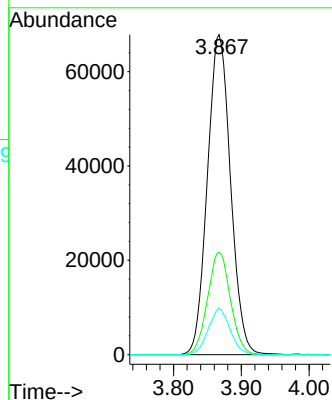
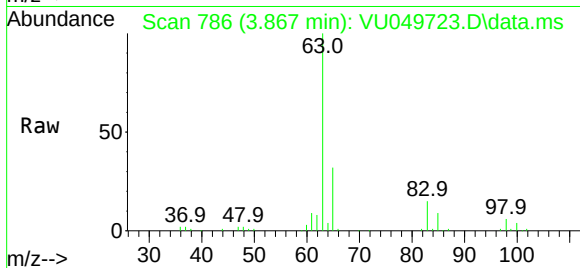
Tgt Ion: 63 Resp: 161165

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

83 14.5 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 49.543 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

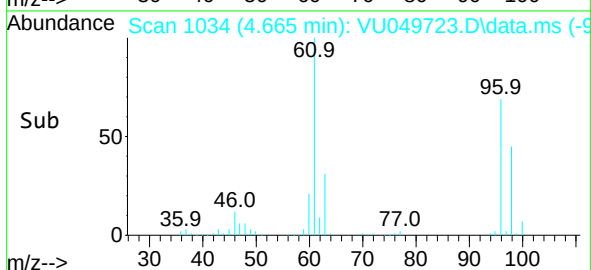
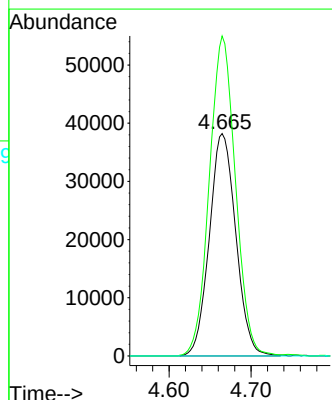
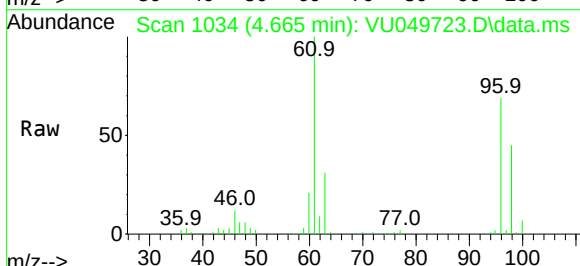
Tgt Ion: 96 Resp: 85639

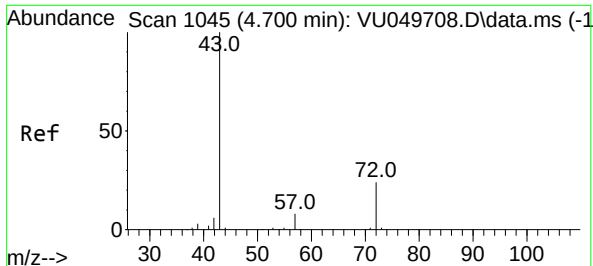
Ion Ratio Lower Upper

96 100

61 143.9 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.859 ug/L

RT: 4.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

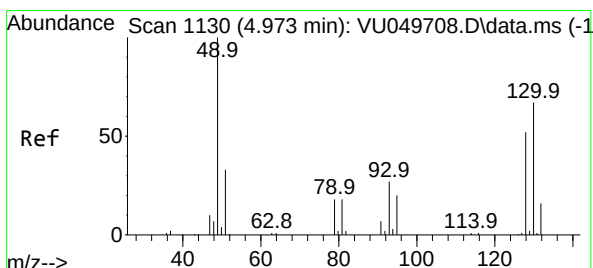
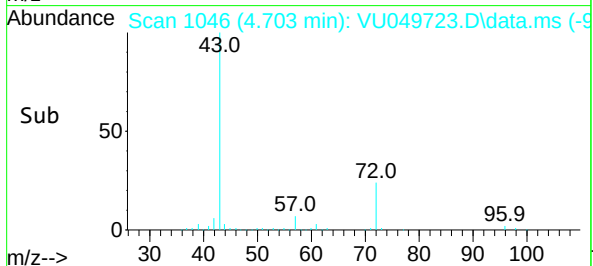
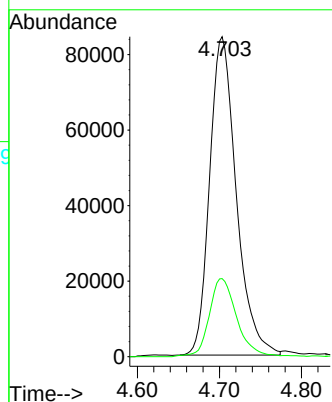
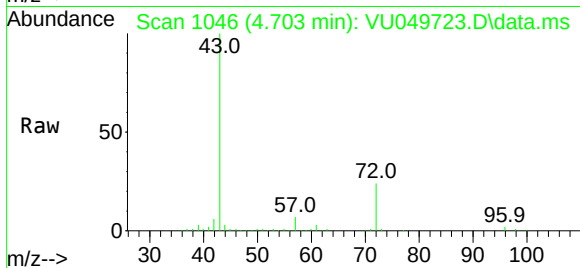
VSTD050164

Tgt Ion: 43 Resp: 190780

Ion Ratio Lower Upper

43 100

72 25.1 12.7 38.0



#23

Bromochloromethane

Concen: 52.539 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Tgt Ion:128 Resp: 45315

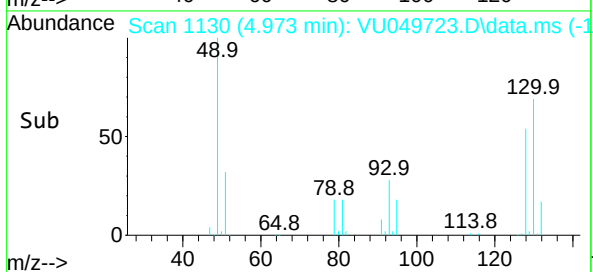
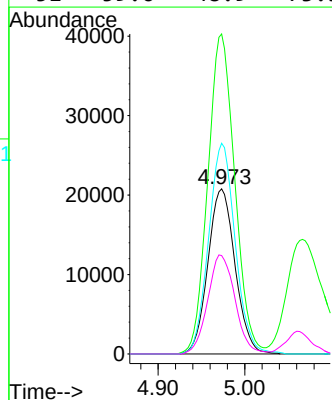
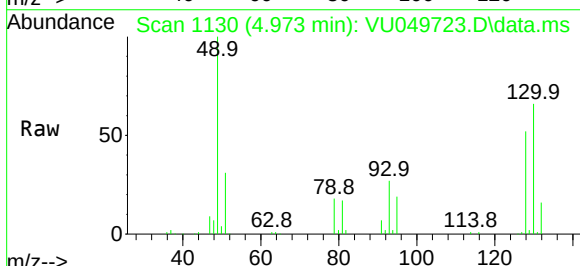
Ion Ratio Lower Upper

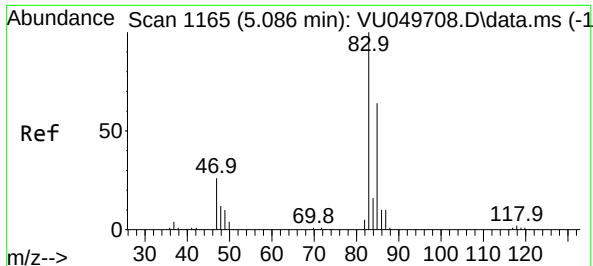
128 100

49 193.7 140.9 261.7

130 127.5 90.0 167.2

51 59.6 48.9 73.3





#25

Chloroform

Concen: 51.510 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

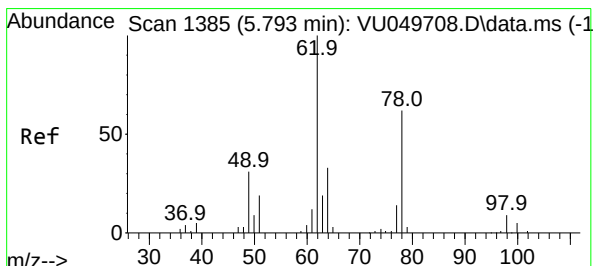
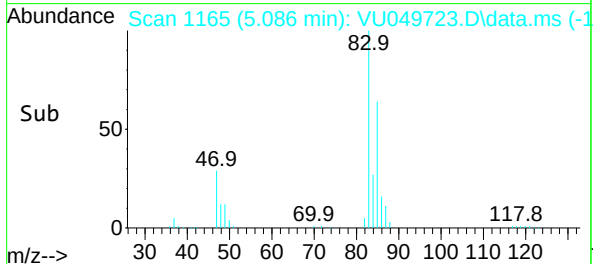
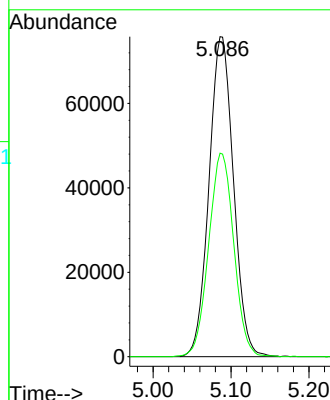
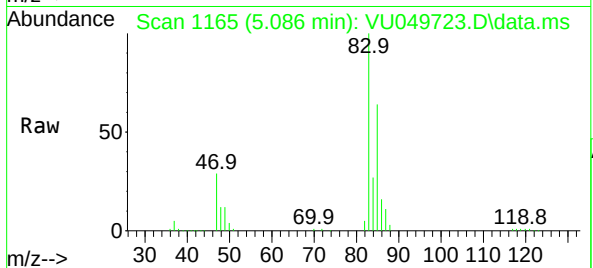
VSTD050164

Tgt Ion: 83 Resp: 165392

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 51.213 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049723.D

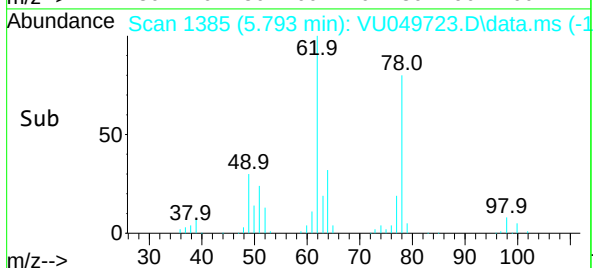
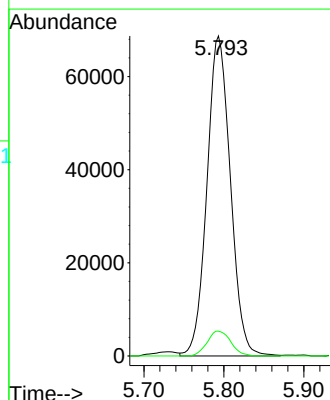
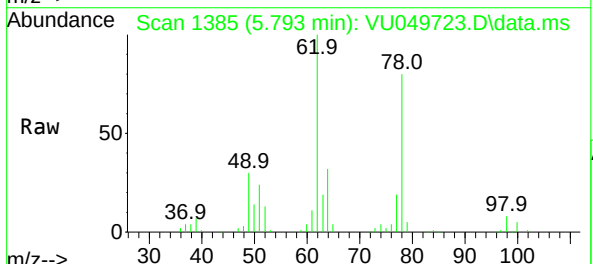
Acq: 14 Jul 2022 17:00

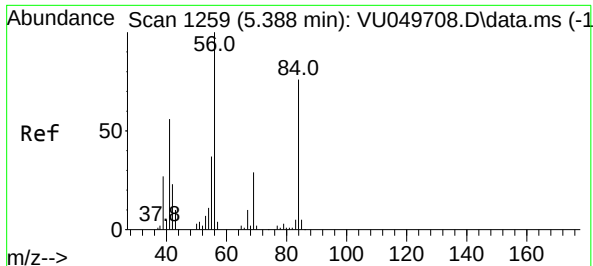
Tgt Ion: 62 Resp: 140021

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1





#29

Cyclohexane

Concen: 44.292 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

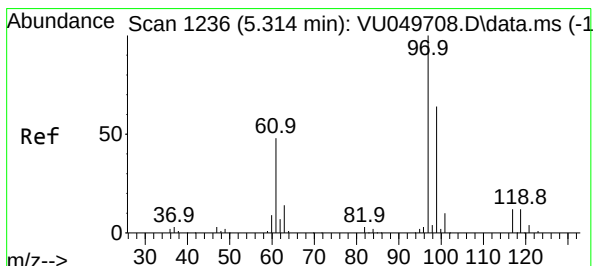
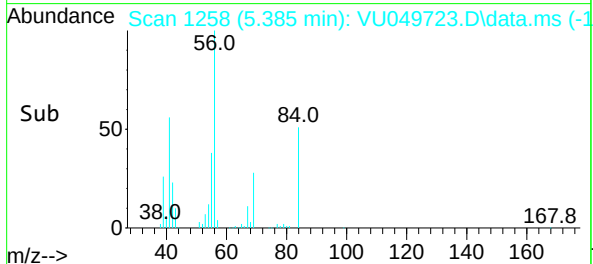
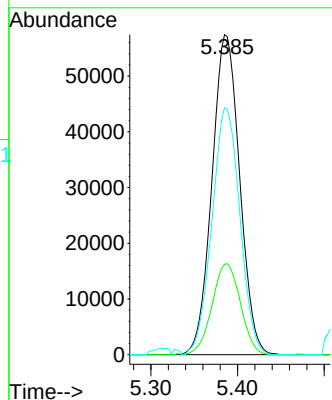
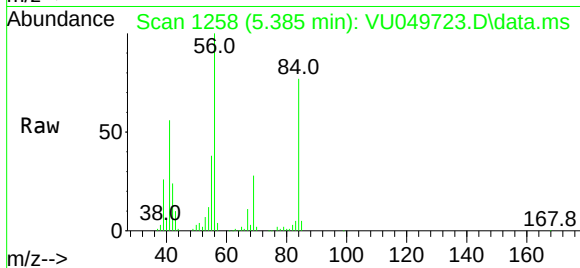
Tgt Ion: 56 Resp: 127761

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.2

84 77.7 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 48.859 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

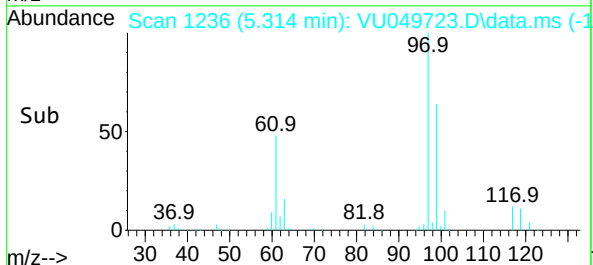
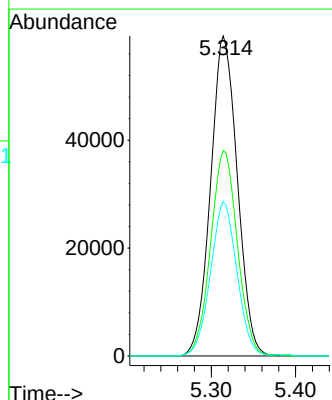
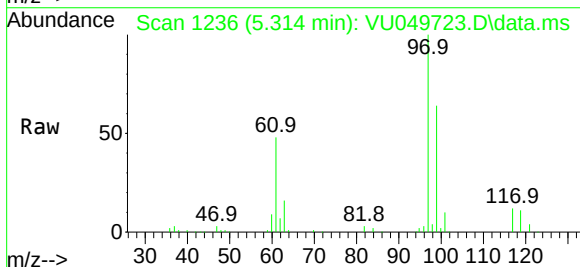
Tgt Ion: 97 Resp: 130715

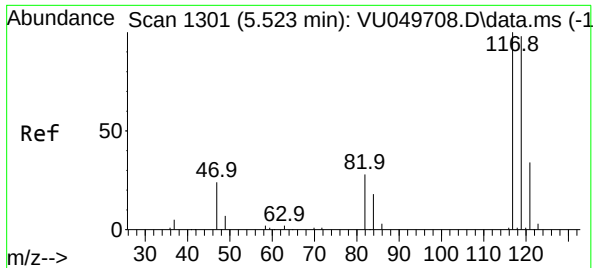
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 47.7 38.2 57.2

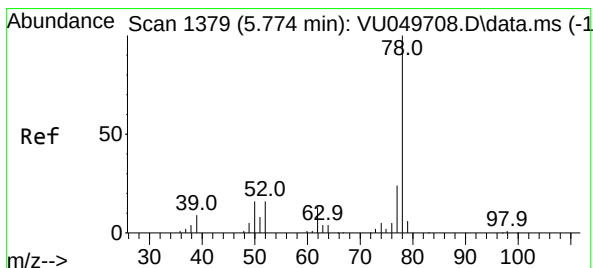
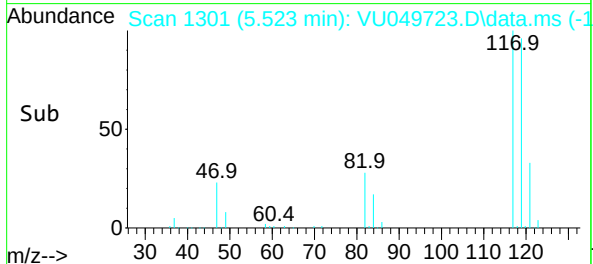
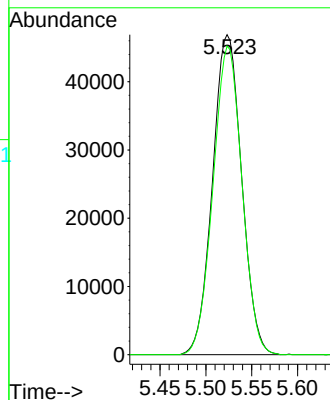
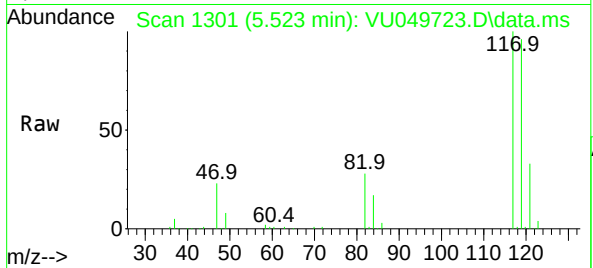




#31
Carbon tetrachloride
Concen: 47.323 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

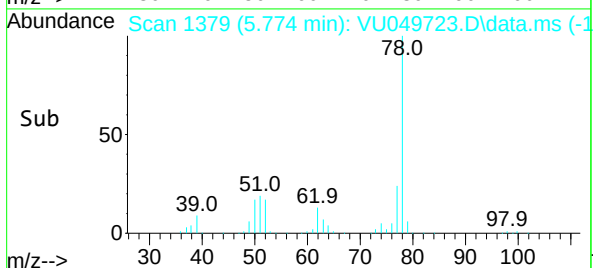
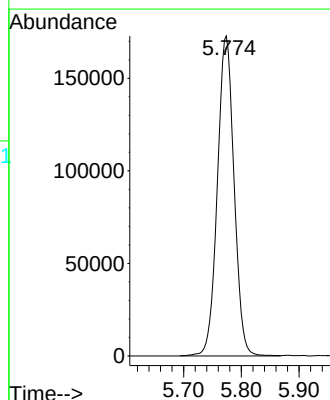
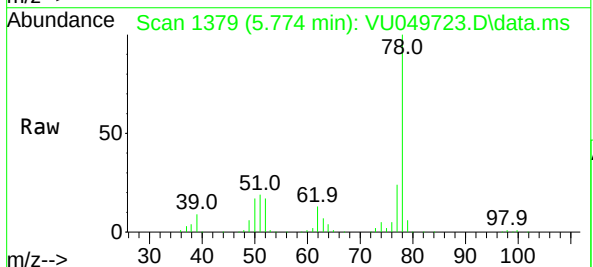
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

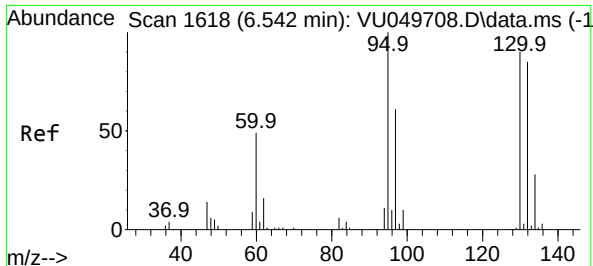
Tgt Ion:117 Resp: 103550
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.8



#33
Benzene
Concen: 50.019 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 78 Resp: 347447





#34

Trichloroethene

Concen: 46.978 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

Tgt Ion: 95 Resp: 78881

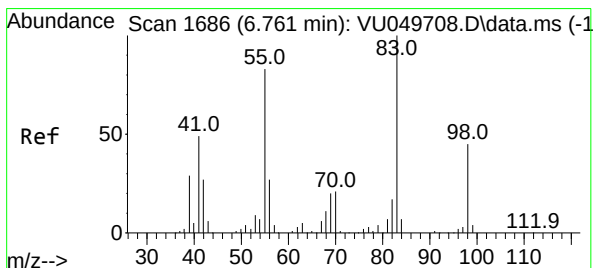
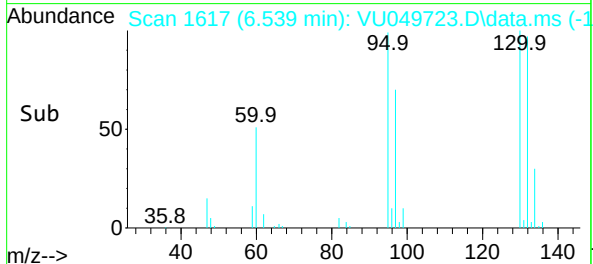
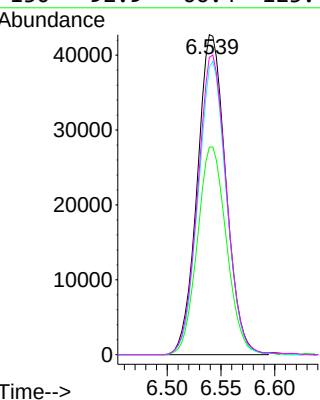
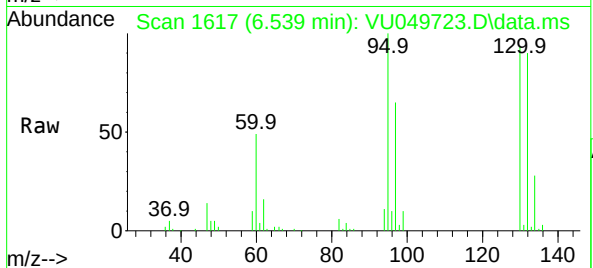
Ion Ratio Lower Upper

95 100

97 64.8 46.9 87.1

132 89.7 62.7 116.5

130 92.9 66.4 123.4



#35

Methylcyclohexane

Concen: 43.437 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

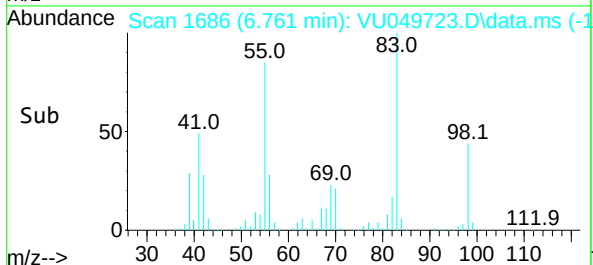
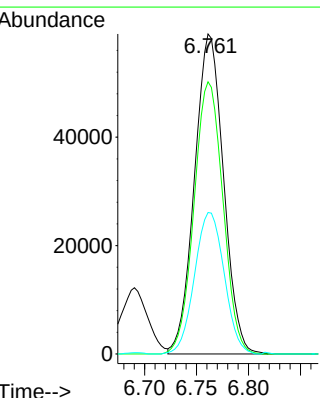
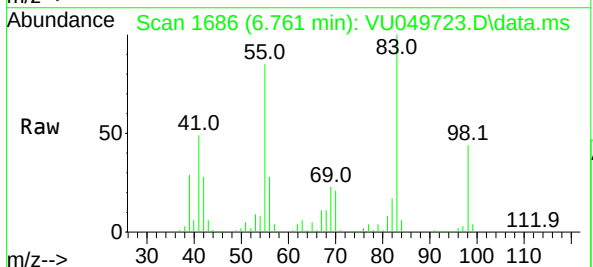
Tgt Ion: 83 Resp: 114610

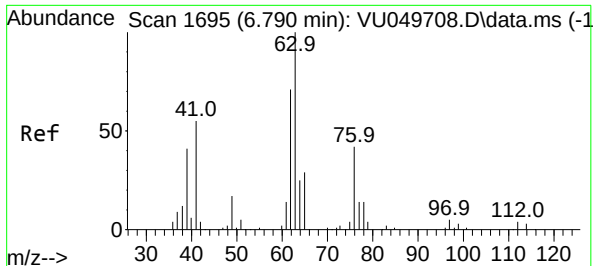
Ion Ratio Lower Upper

83 100

55 84.8 66.0 99.0

98 45.2 34.6 51.8

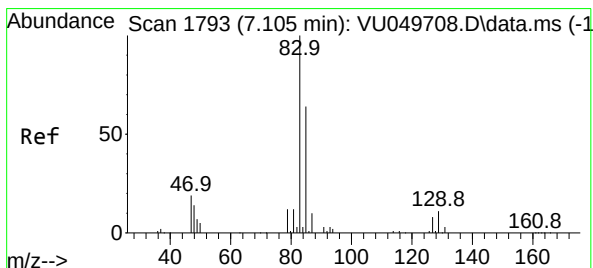
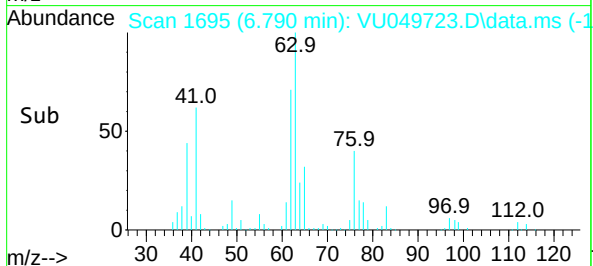
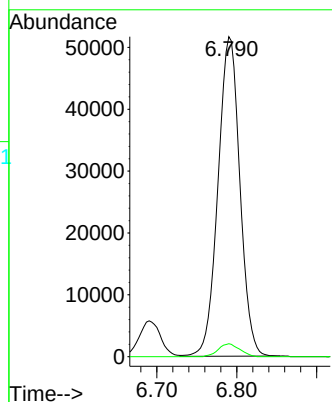
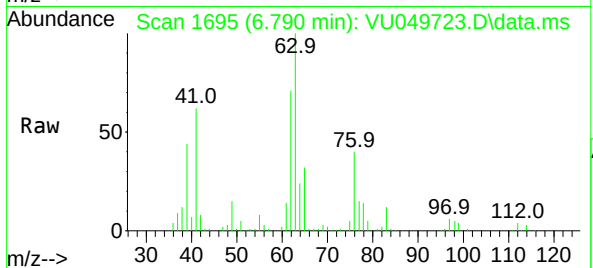




#37
1,2-Dichloropropane
Concen: 50.937 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

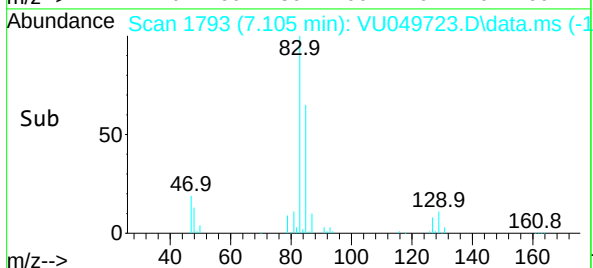
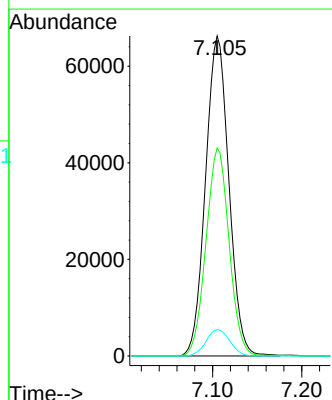
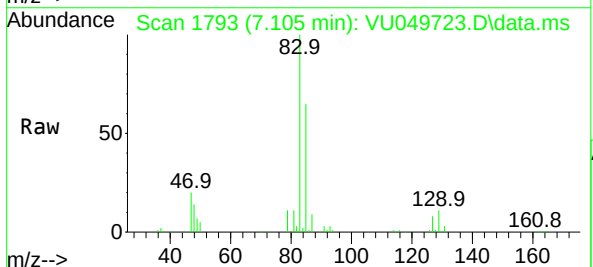
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

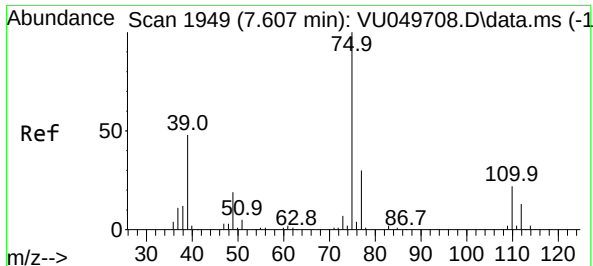
Tgt Ion: 63 Resp: 98072
Ion Ratio Lower Upper
63 100
112 4.0 2.8 4.2



#38
Bromodichloromethane
Concen: 50.480 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 83 Resp: 120502
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2
127 8.2 6.6 10.0

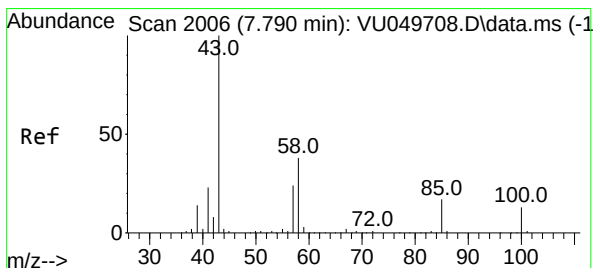
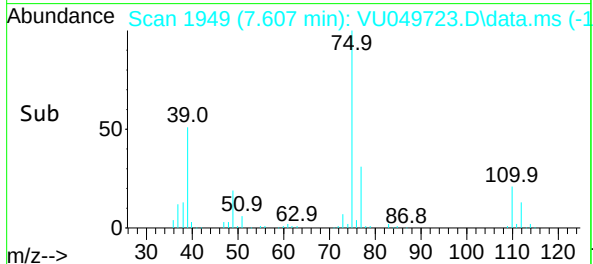
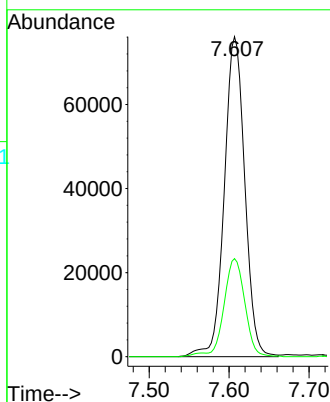
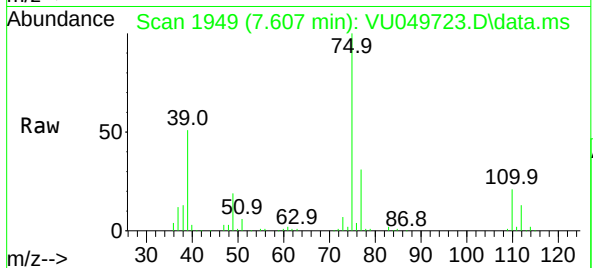




#39
 cis-1,3-Dichloropropene
 Concen: 52.195 ug/L
 RT: 7.607 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VU049723.D
 Acq: 14 Jul 2022 17:00

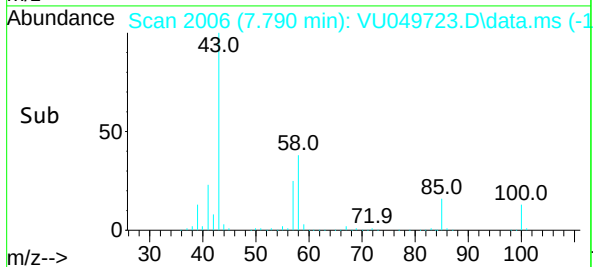
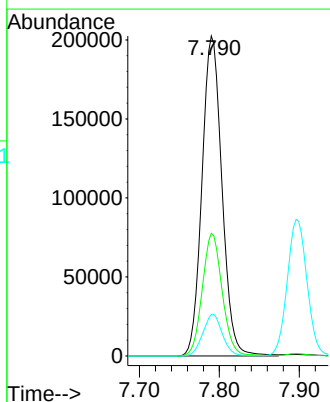
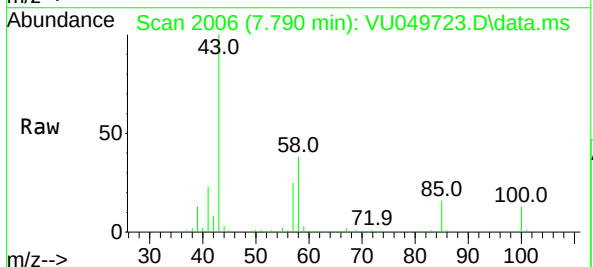
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

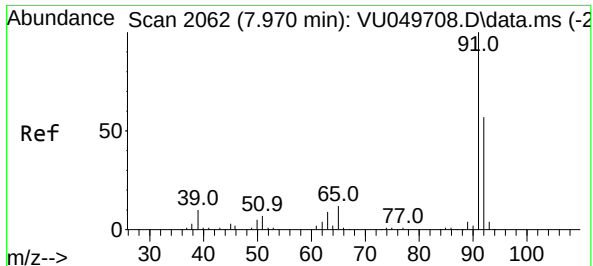
Tgt Ion: 75 Resp: 135533
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 112.826 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VU049723.D
 Acq: 14 Jul 2022 17:00

Tgt Ion: 43 Resp: 351666
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.4 47.0
 100 12.7 10.3 15.5





#42

Toluene

Concen: 49.117 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

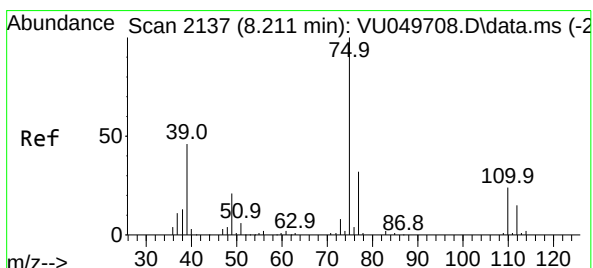
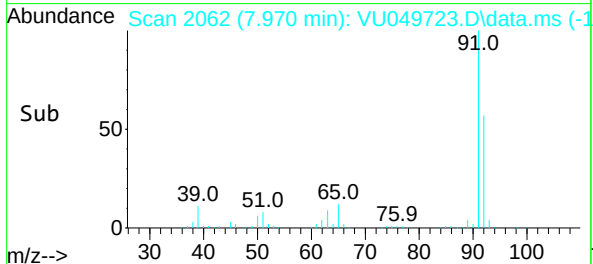
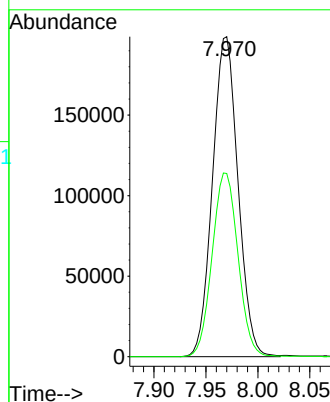
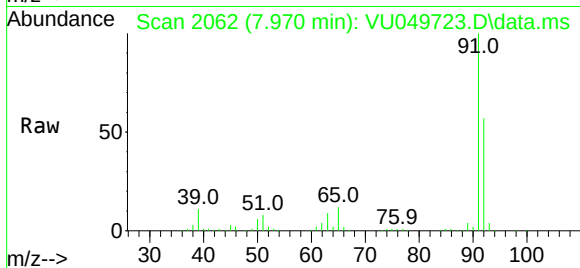
VSTD050164

Tgt Ion: 91 Resp: 339086

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 51.500 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049723.D

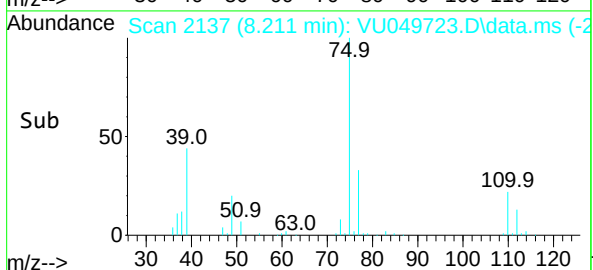
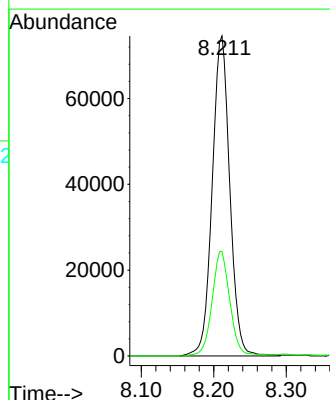
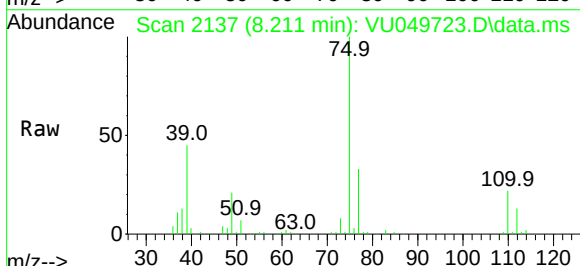
Acq: 14 Jul 2022 17:00

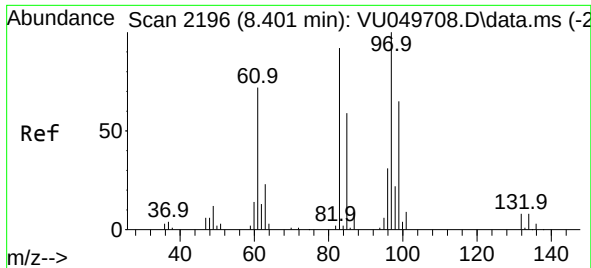
Tgt Ion: 75 Resp: 125563

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9

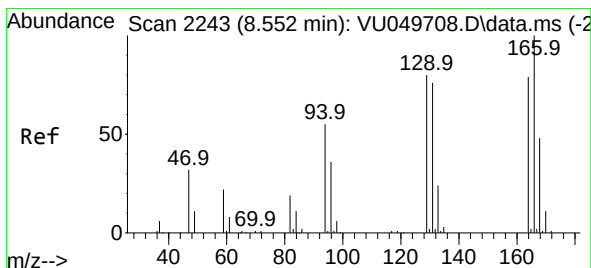
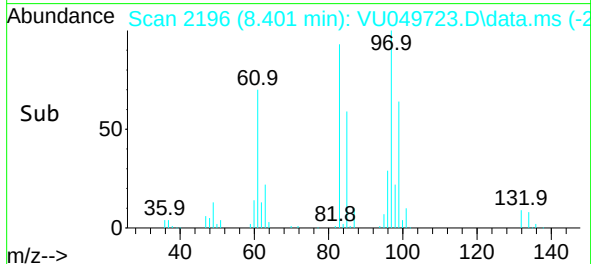
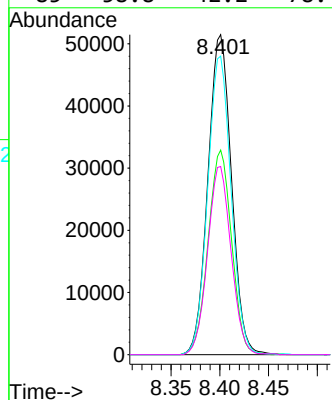
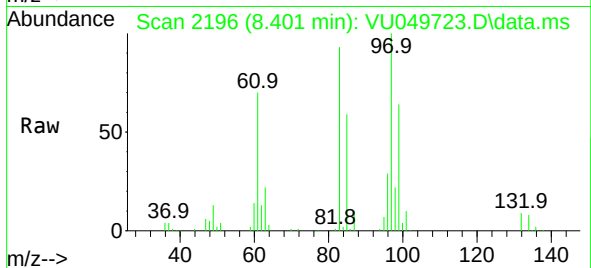




#45
1,1,2-Trichloroethane
Concen: 51.563 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

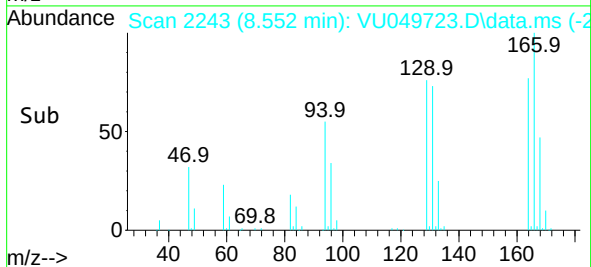
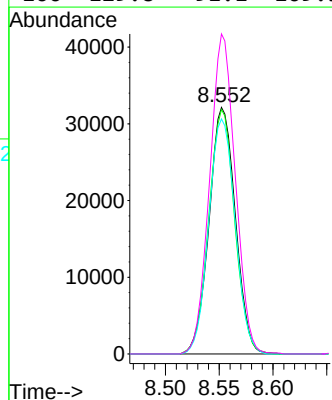
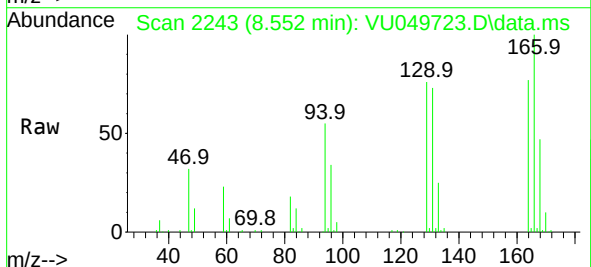
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

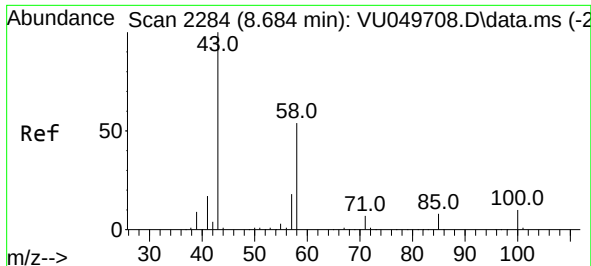
Tgt Ion:	97	Resp:	86654
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	82.3
83	93.3	64.0	118.8
85	58.8	42.2	78.4



#46
Tetrachloroethene
Concen: 46.819 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion:	164	Resp:	54523
Ion	Ratio	Lower	Upper
164	100		
129	99.2	72.0	133.8
131	95.3	69.0	128.1
166	129.8	91.1	169.3



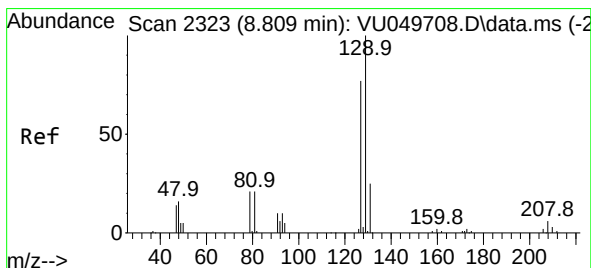
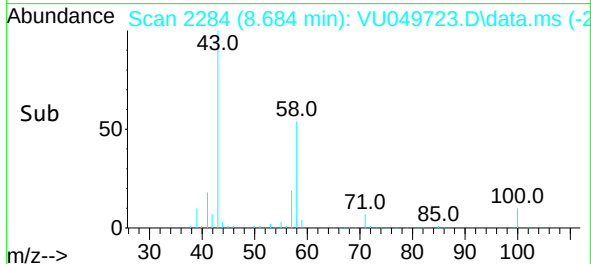
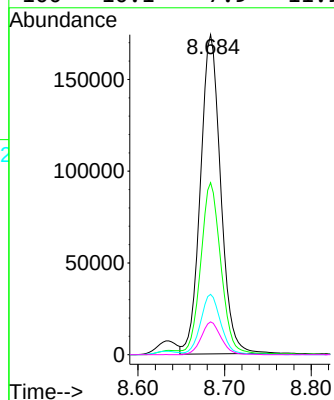
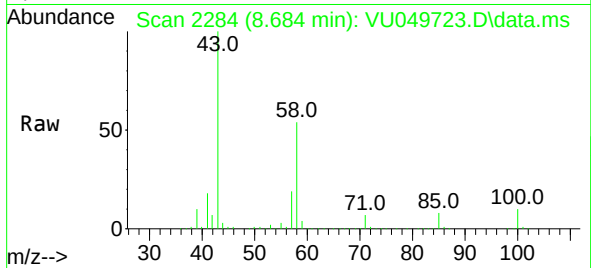


#48
2-Hexanone
Concen: 113.448 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

Tgt Ion: 43 Resp: 282573

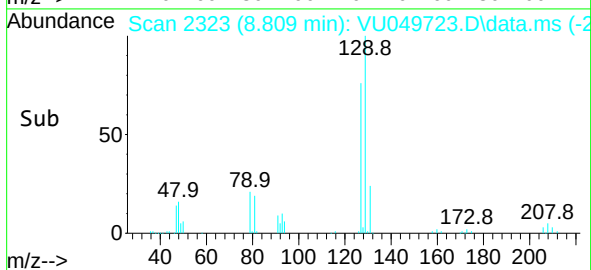
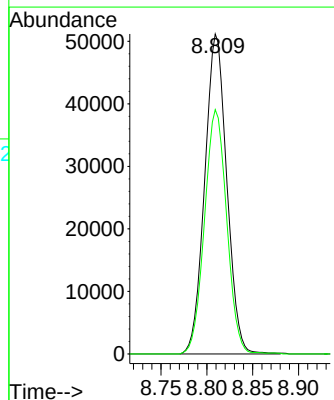
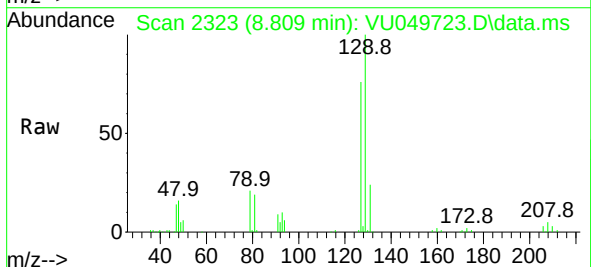
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.6	64.0
57	19.0	15.0	22.6
100	10.1	7.9	11.9

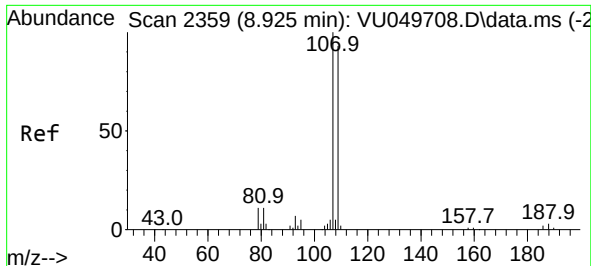


#49
Dibromochloromethane
Concen: 50.657 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion: 129 Resp: 85624

Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.9	105.7





#50

1,2-Dibromoethane

Concen: 53.861 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

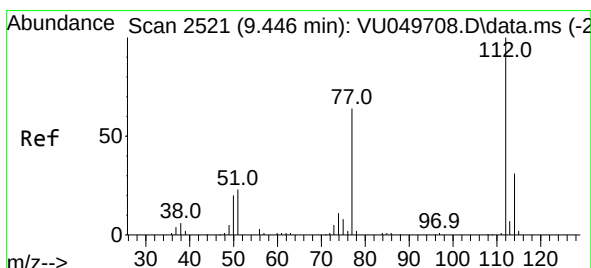
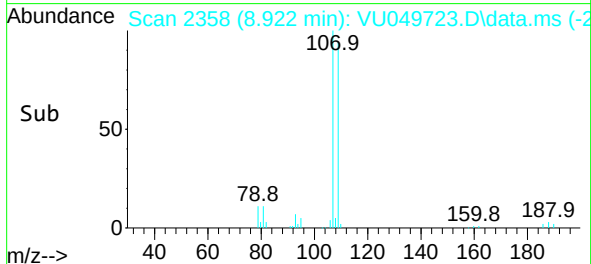
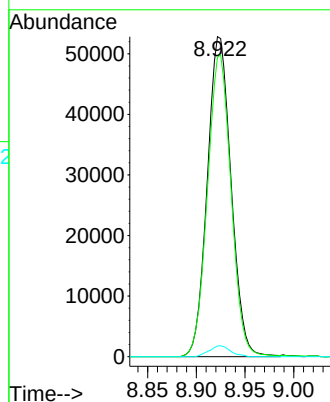
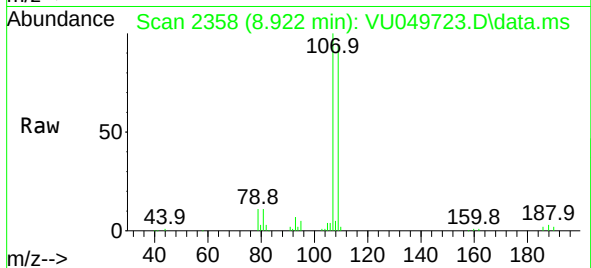
Tgt Ion:107 Resp: 89914

Ion Ratio Lower Upper

107 100

109 93.6 65.7 121.9

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 49.307 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

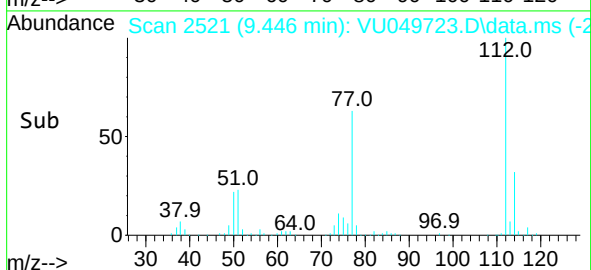
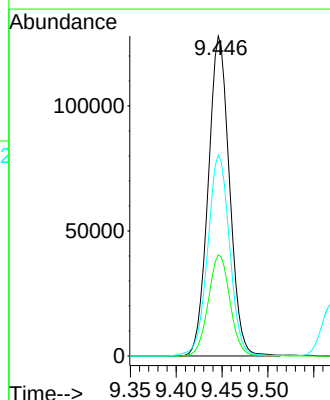
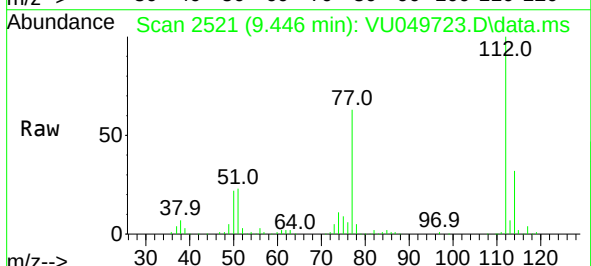
Tgt Ion:112 Resp: 206138

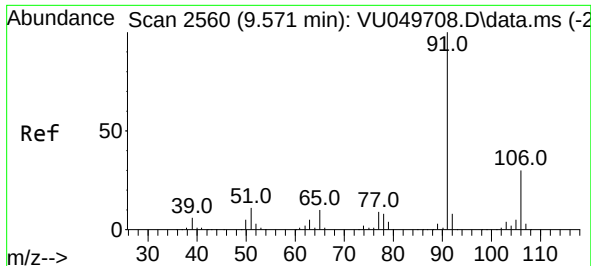
Ion Ratio Lower Upper

112 100

114 31.5 22.1 41.1

77 62.8 51.2 76.8





#52

Ethylbenzene

Concen: 48.442 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

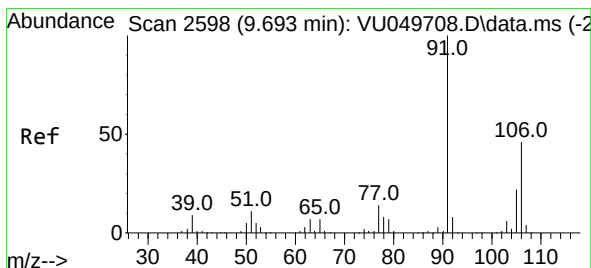
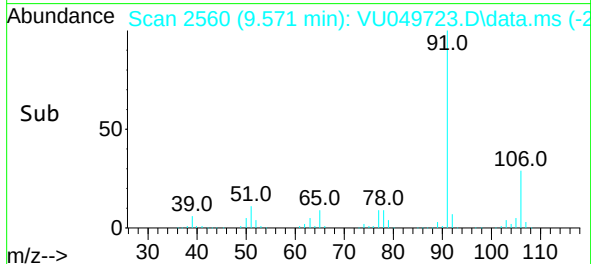
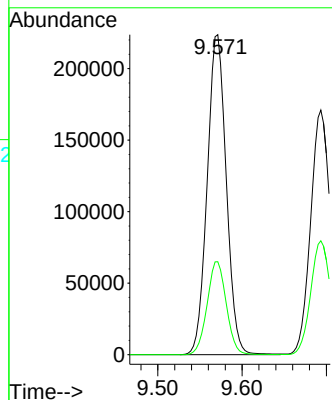
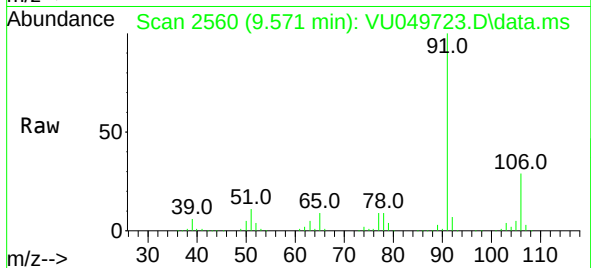
VSTD050164

Tgt Ion: 91 Resp: 352909

Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



#53

m,p-Xylene

Concen: 49.393 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU049723.D

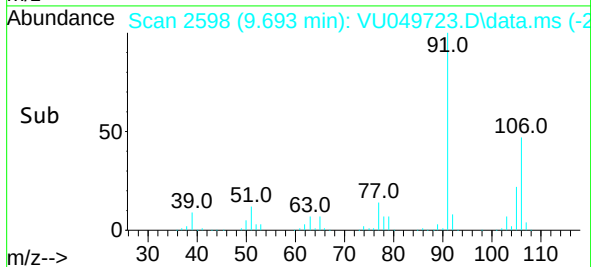
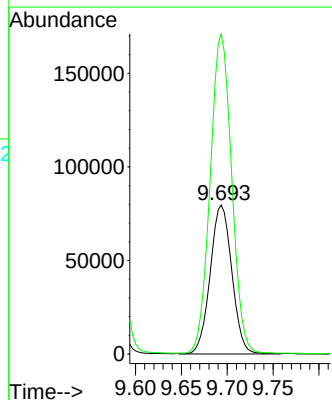
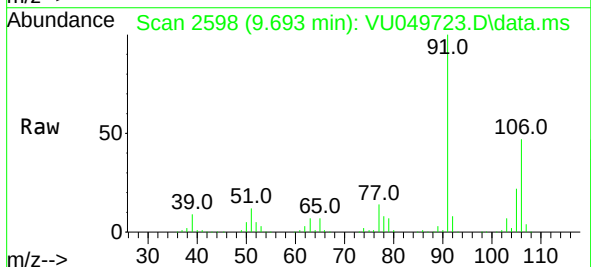
Acq: 14 Jul 2022 17:00

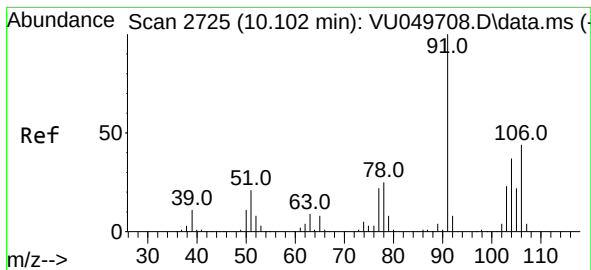
Tgt Ion: 106 Resp: 130845

Ion Ratio Lower Upper

106 100

91 214.7 151.7 281.7





#54

o-Xylene

Concen: 50.253 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

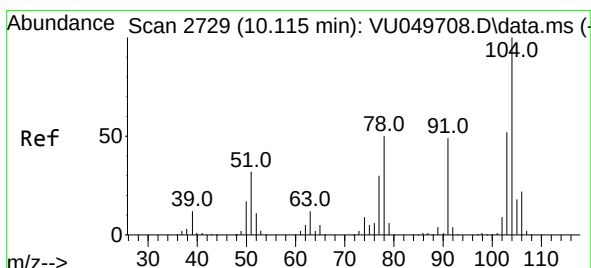
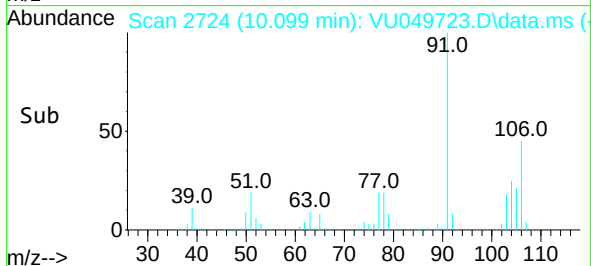
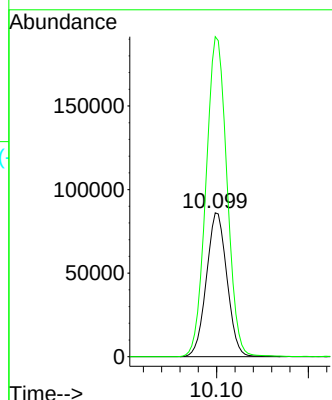
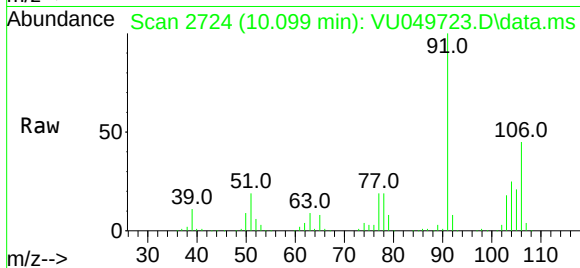
VSTD050164

Tgt Ion:106 Resp: 134042

Ion Ratio Lower Upper

106 100

91 222.6 156.9 291.5



#55

Styrene

Concen: 51.276 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049723.D

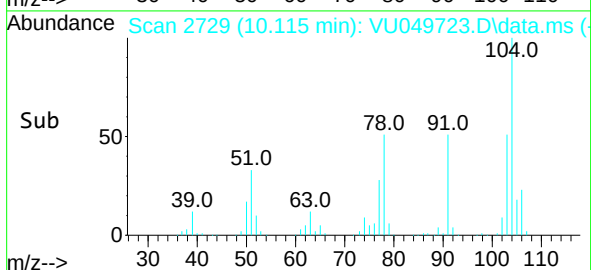
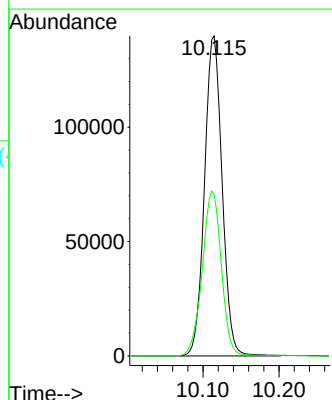
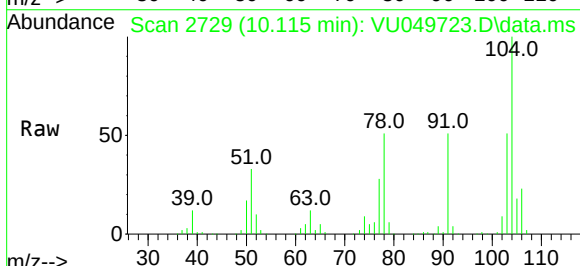
Acq: 14 Jul 2022 17:00

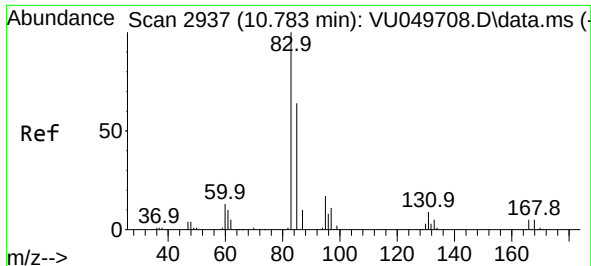
Tgt Ion:104 Resp: 225714

Ion Ratio Lower Upper

104 100

78 50.5 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 53.286 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

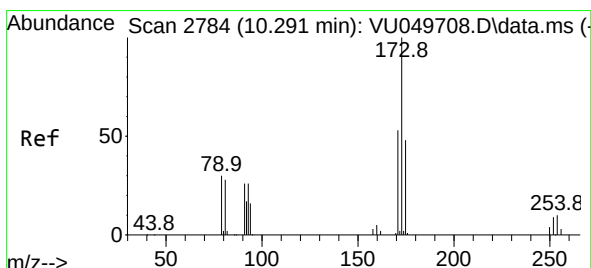
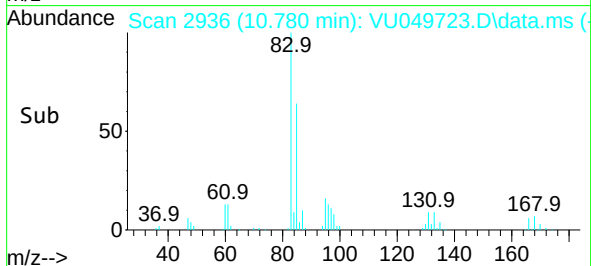
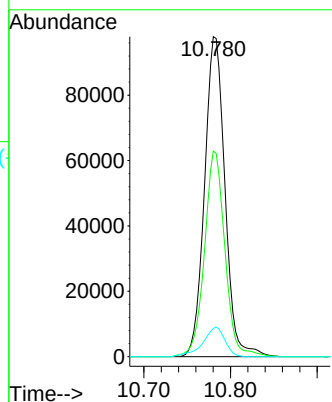
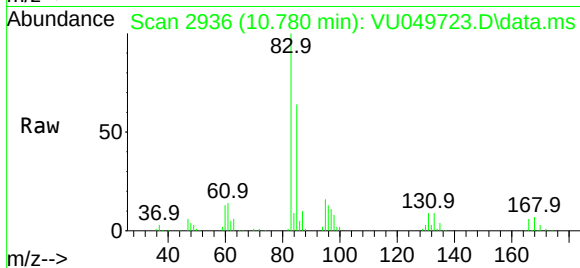
Tgt Ion: 83 Resp: 160299

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

131 8.8 7.0 10.6



#59

Bromoform

Concen: 49.245 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

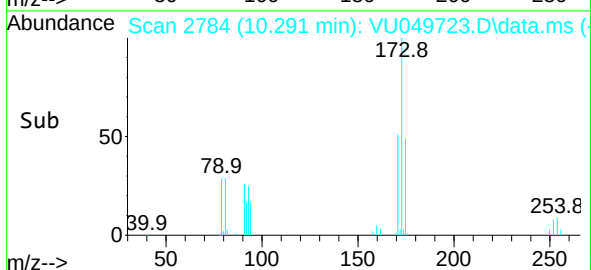
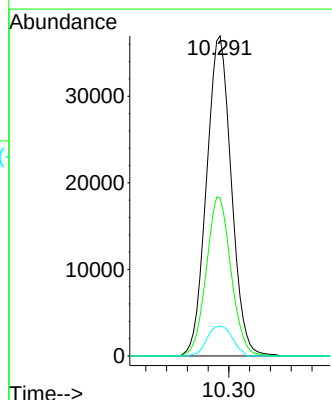
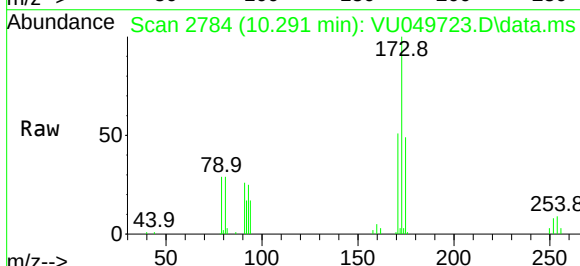
Tgt Ion:173 Resp: 61213

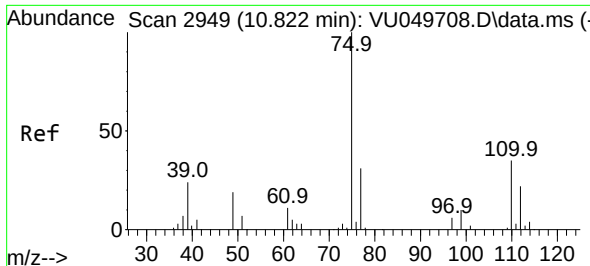
Ion Ratio Lower Upper

173 100

175 49.5 38.6 58.0

254 9.6 7.4 11.0

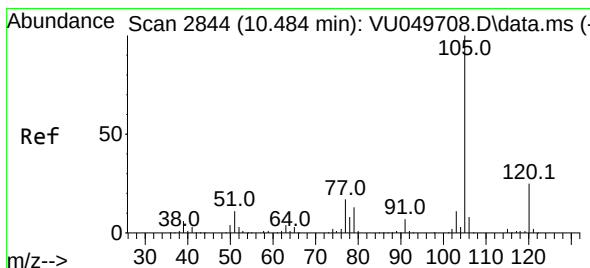
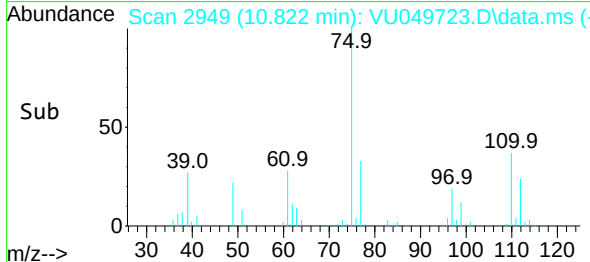
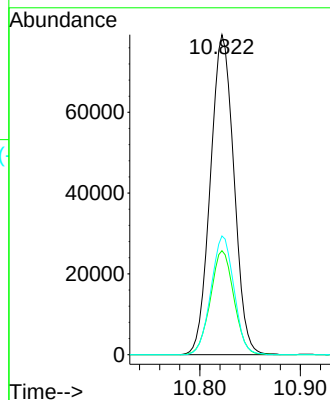
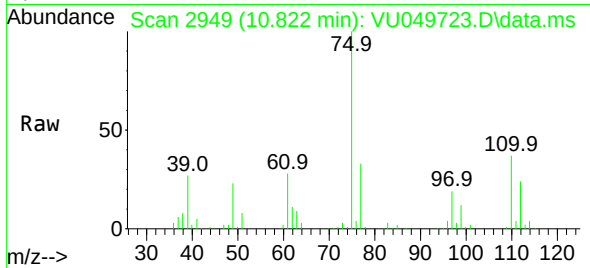




#60
1,2,3-Trichloropropane
Concen: 52.174 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

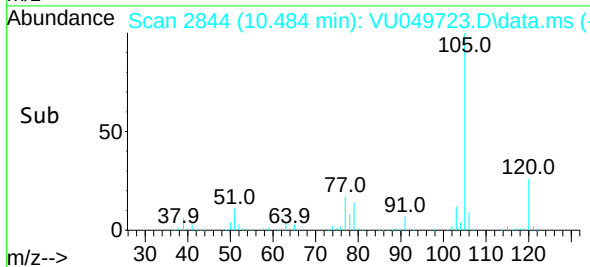
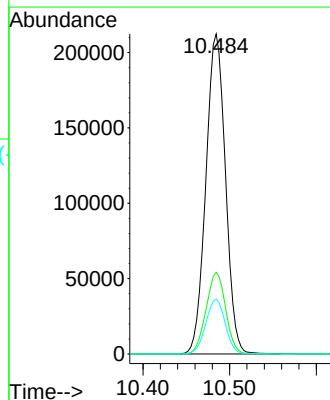
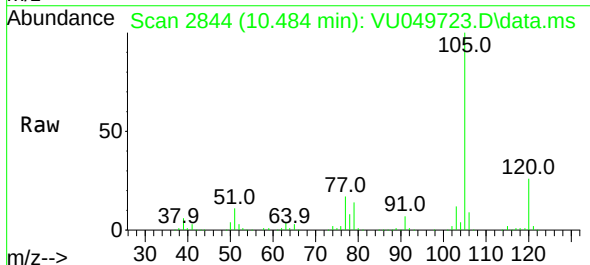
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

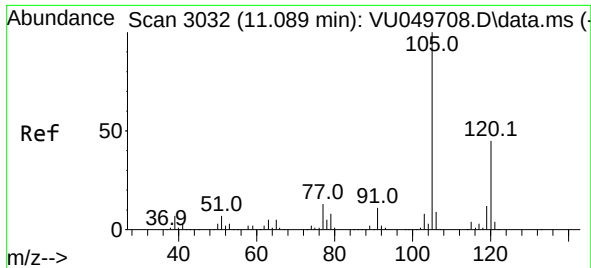
Tgt Ion:	75	Resp:	128796
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
110	36.2	28.9	43.3



#61
Isopropylbenzene
Concen: 48.218 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion:	105	Resp:	333677
Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.9	29.9
77	17.0	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 49.307 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

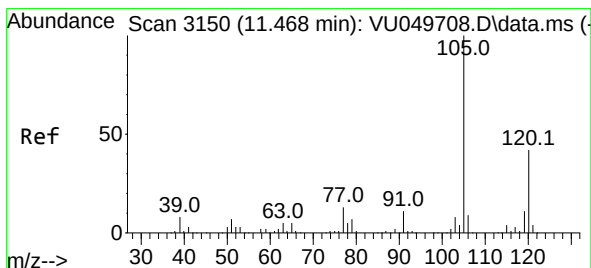
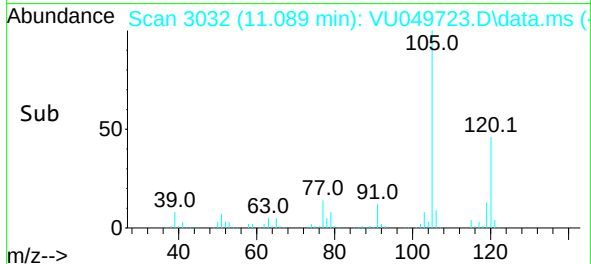
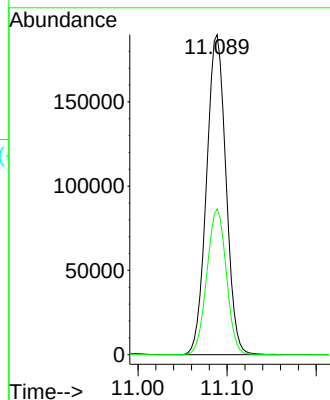
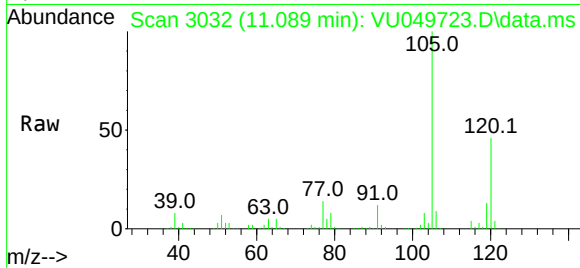
VSTD050164

Tgt Ion:105 Resp: 287816

Ion Ratio Lower Upper

105 100

120 45.6 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 48.554 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049723.D

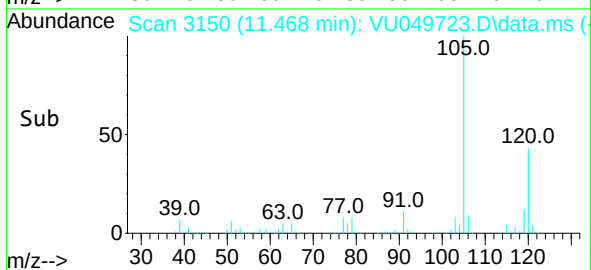
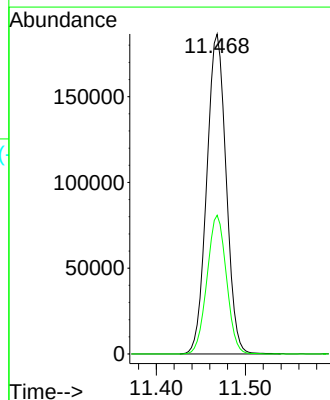
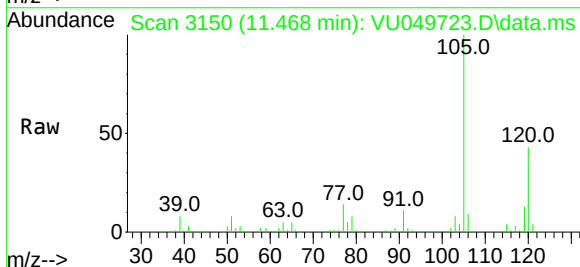
Acq: 14 Jul 2022 17:00

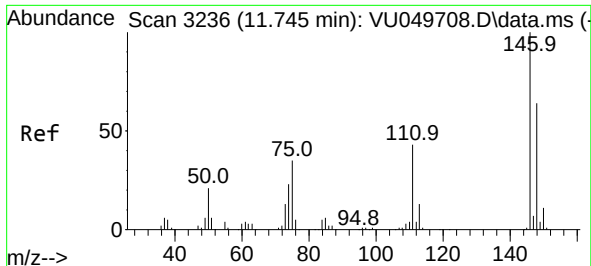
Tgt Ion:105 Resp: 281563

Ion Ratio Lower Upper

105 100

120 43.4 33.9 50.9

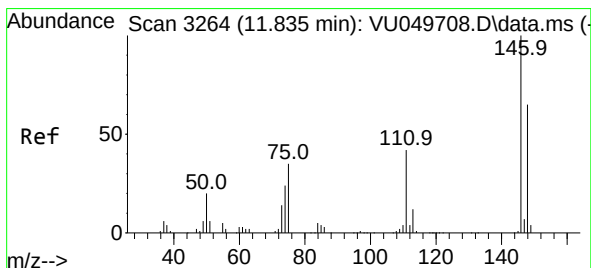
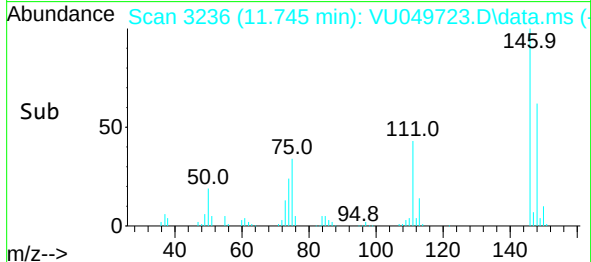
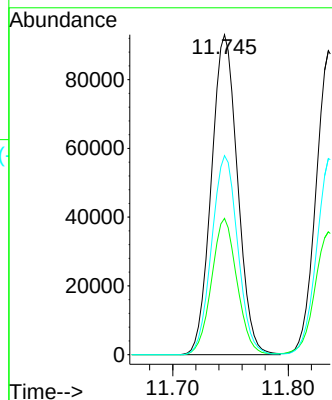
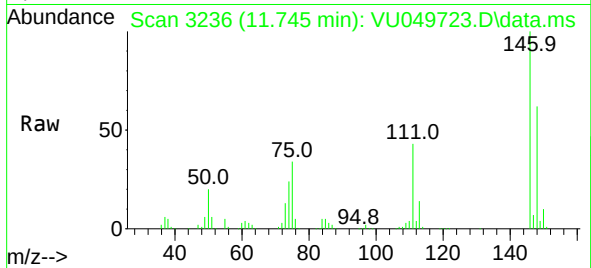




#64
1,3-Dichlorobenzene
Concen: 48.484 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

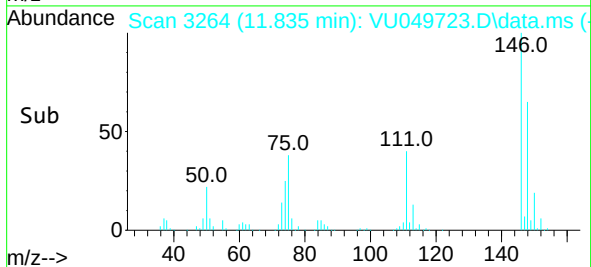
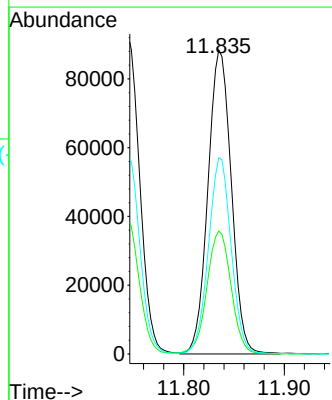
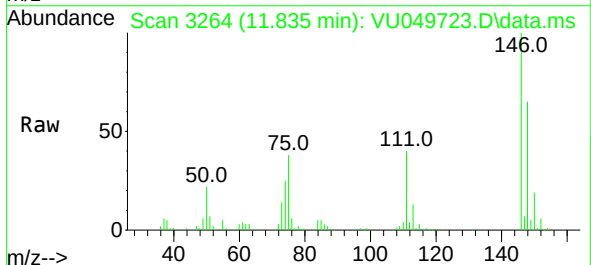
Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

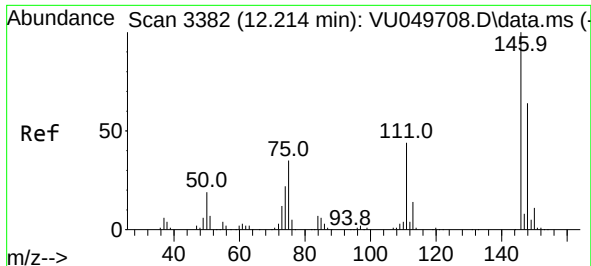
Tgt Ion:146 Resp: 146466
Ion Ratio Lower Upper
146 100
111 42.6 30.0 55.6
148 62.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 47.102 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion:146 Resp: 142932
Ion Ratio Lower Upper
146 100
111 40.4 29.1 54.1
148 64.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 48.465 ug/L

RT: 12.211 min Scan# 3382

Delta R.T. -0.003 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050164

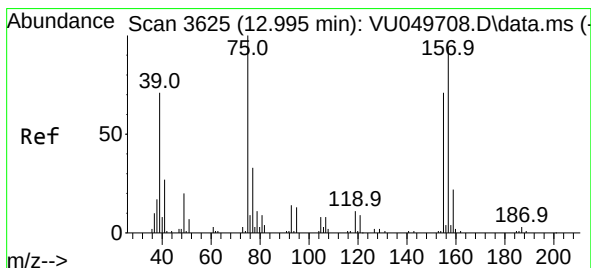
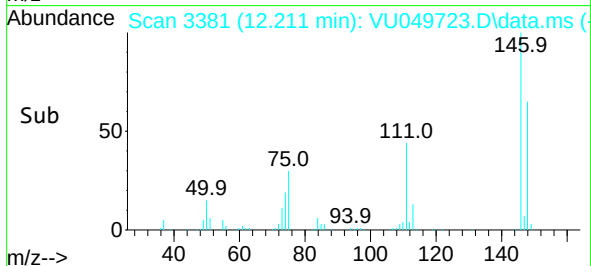
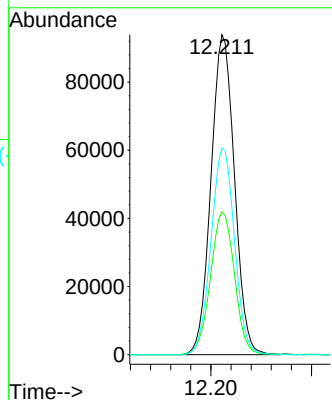
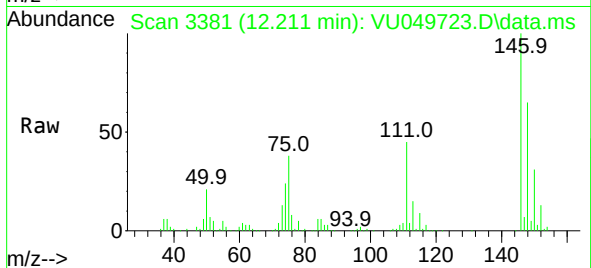
Tgt Ion:146 Resp: 152239

Ion Ratio Lower Upper

146 100

111 44.6 35.8 53.8

148 64.6 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 52.849 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049723.D

Acq: 14 Jul 2022 17:00

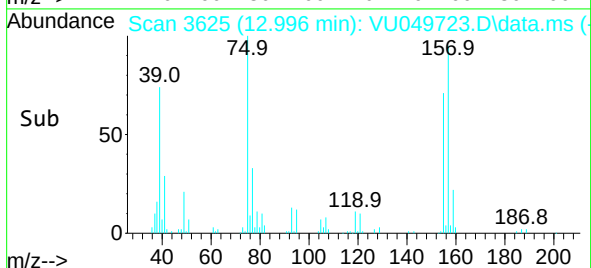
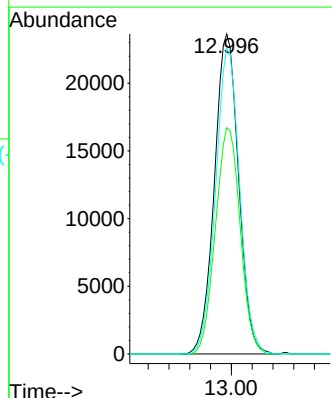
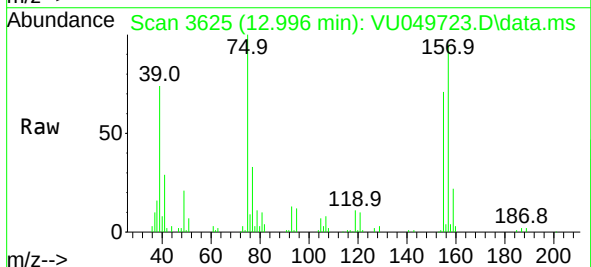
Tgt Ion: 75 Resp: 38227

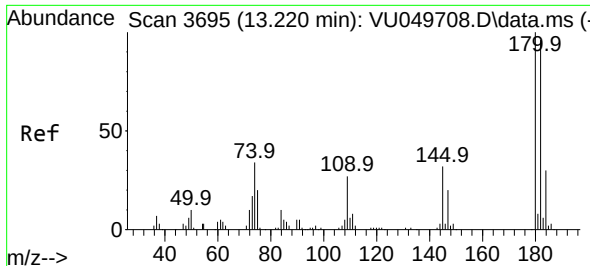
Ion Ratio Lower Upper

75 100

155 70.7 57.7 86.5

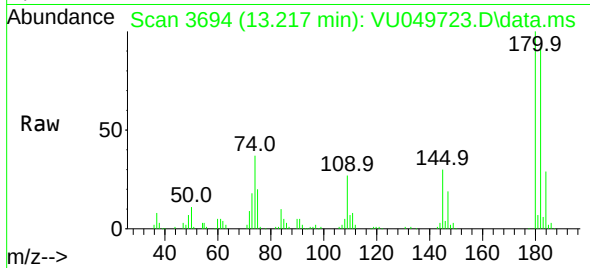
157 99.9 75.6 113.4



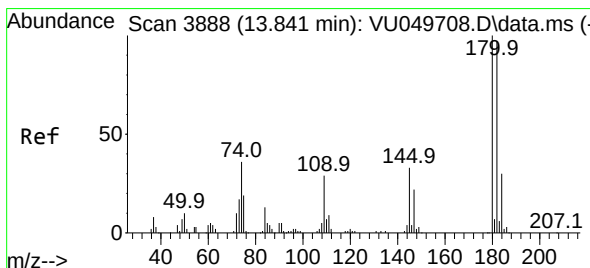
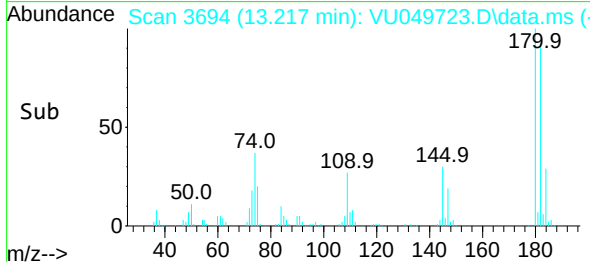
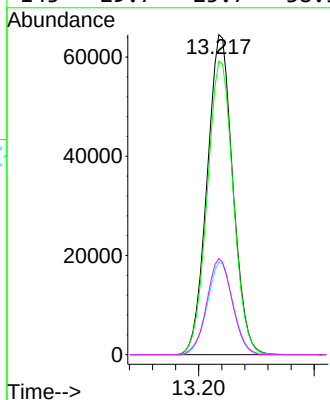


#69
1,3,5-Trichlorobenzene
Concen: 47.196 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

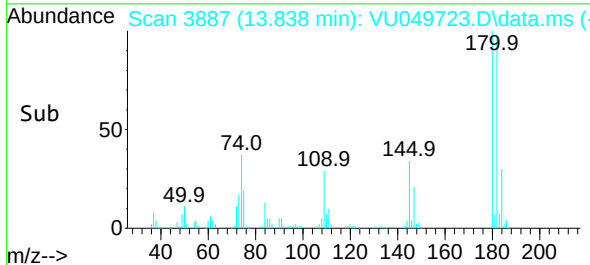
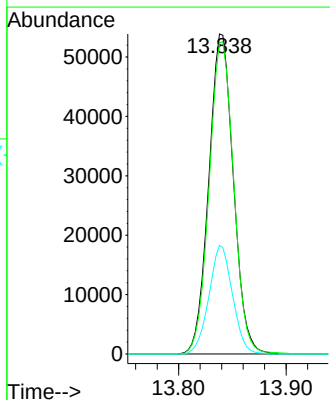
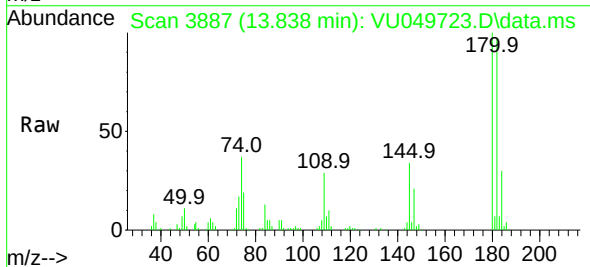


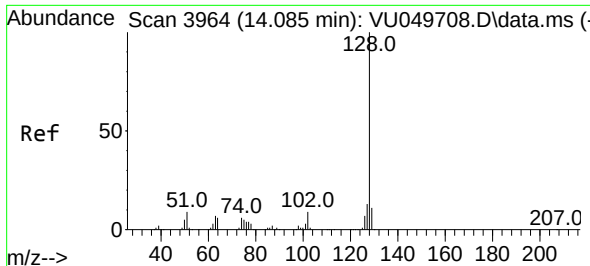
Tgt Ion:180 Resp: 99905
Ion Ratio Lower Upper
180 100
182 93.0 76.0 114.0
184 28.9 24.0 36.0
145 29.7 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 44.104 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.003 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion:180 Resp: 85674
Ion Ratio Lower Upper
180 100
182 97.1 74.8 112.2
145 32.5 24.7 37.1

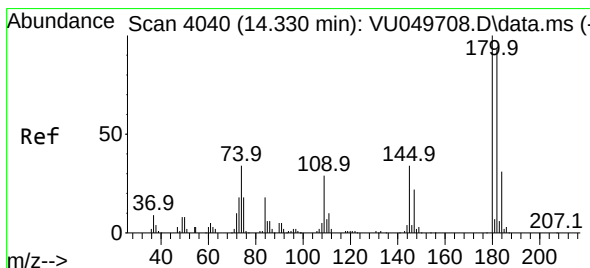
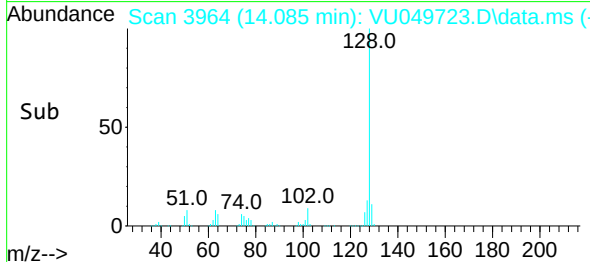
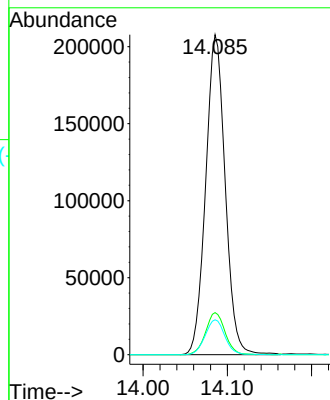
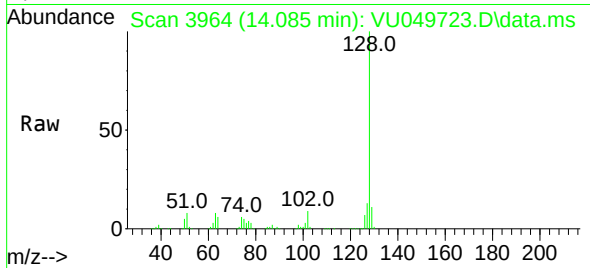




#71
Naphthalene
Concen: 48.183 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD050164

Tgt Ion:128 Resp: 334602
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 46.870 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049723.D
Acq: 14 Jul 2022 17:00

Tgt Ion:180 Resp: 94313
Ion Ratio Lower Upper
180 100
182 98.9 76.6 115.0
145 34.4 27.1 40.7

