

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061522\
 Data File : U049157.D
 Acq On : 15 Jun 2022 09:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

Quant Time: Jun 16 04:42:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 05:38:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	137319	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	125597	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	63872	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55816	4.652	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.916	69	39822	4.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.568	65	22336	4.628	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.636	46	163430	51.012	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.020%
24) Chloroform-d	5.067	84	95183	5.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.703	65	51259	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.729	84	188433	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.693	67	62283	4.850	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.899	98	167482	4.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	8.179	79	26814	4.700	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.636	63	108174	47.003	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	48118	4.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	60951	4.973	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	62966	5.371	ug/L	98
3) Chloromethane	1.523	50	69262	5.382	ug/L	99
5) Vinyl chloride	1.604	62	63464	5.497	ug/L	99
6) Bromomethane	1.858	94	32870	5.174	ug/L	100
8) Chloroethane	1.935	64	34545	5.170	ug/L	99
9) Trichlorofluoromethane	2.141	101	74083	5.530	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	43357	5.466	ug/L	99
12) 1,1-Dichloroethene	2.581	96	41465	5.370	ug/L	99
13) Acetone	2.649	43	88140	55.587	ug/L	99
14) Carbon disulfide	2.793	76	135396	5.309	ug/L	100
15) Methyl Acetate	2.957	43	22842	5.386	ug/L	96
16) Methylene chloride	3.047	84	48052	4.730	ug/L	99
17) Methyl tert-butyl Ether	3.366	73	119371	5.111	ug/L	99
18) trans-1,2-Dichloroethene	3.356	96	44865	5.244	ug/L	97
19) 1,1-Dichloroethane	3.870	63	91078	5.399	ug/L	96
21) 2-Butanone	4.716	43	156686	51.823	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	49829	5.208	ug/L	97
23) Bromochloromethane	4.980	128	21386	5.222	ug/L	98
25) Chloroform	5.089	83	90663	5.355	ug/L	98

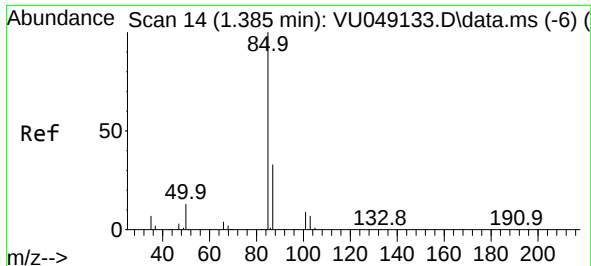
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061522\
 Data File : VU049157.D
 Acq On : 15 Jun 2022 09:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

Quant Time: Jun 16 04:42:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 05:38:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	59201	5.309	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	78612	5.238	ug/L	99
30) Cyclohexane	5.391	56	90734	5.319	ug/L	98
31) Carbon tetrachloride	5.526	117	66646	5.303	ug/L	98
33) Benzene	5.777	78	202344	5.414	ug/L	100
34) Trichloroethene	6.546	95	51718	5.414	ug/L	98
35) Methylcyclohexane	6.764	83	86908	5.424	ug/L	99
37) 1,2-Dichloropropane	6.790	63	54105	5.269	ug/L	100
38) Bromodichloromethane	7.108	83	65717	5.236	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	79733	5.108	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	386774	50.696	ug/L	99
42) Toluene	7.970	91	213361	5.384	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	68253	5.034	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	35383	4.943	ug/L	98
47) Tetrachloroethene	8.555	164	36490	5.539	ug/L	98
48) 2-Hexanone	8.687	43	280273	51.469	ug/L	98
49) Dibromochloromethane	8.809	129	41808	5.119	ug/L	98
50) 1,2-Dibromoethane	8.925	107	34453	5.192	ug/L	97
51) Chlorobenzene	9.449	112	128658	5.332	ug/L	100
52) Ethylbenzene	9.571	91	230131	5.317	ug/L	98
53) m,p-Xylene	9.693	106	84862	5.276	ug/L	100
54) o-Xylene	10.102	106	82658	5.183	ug/L	96
55) Styrene	10.115	104	140959	5.277	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	47785	5.044	ug/L	99
59) Bromoform	10.291	173	23746	4.950	ug/L	99
60) Isopropylbenzene	10.484	105	228300	5.247	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	34751	4.849	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	197686	5.148	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	196992	5.178	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	98206	5.274	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	96732	5.257	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	91679	5.175	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.995	75	8201	4.199	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.221	180	73957	5.297	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	60681	5.467	ug/L	98
71) Naphthalene	14.085	128	113006	5.123	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	56212	5.386	ug/L	100

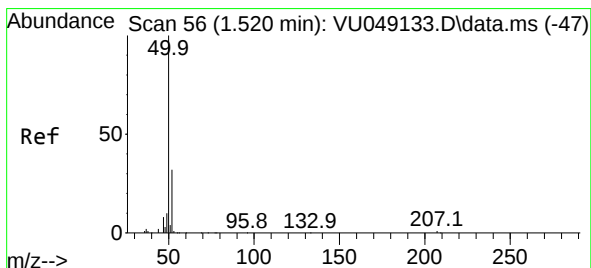
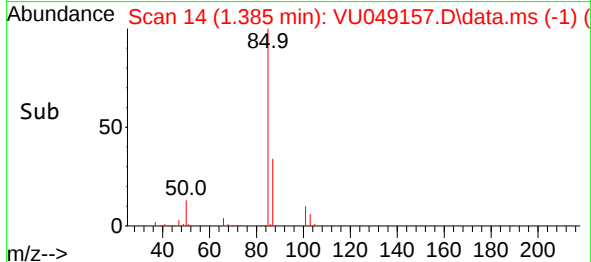
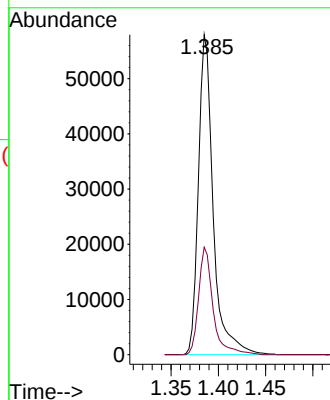
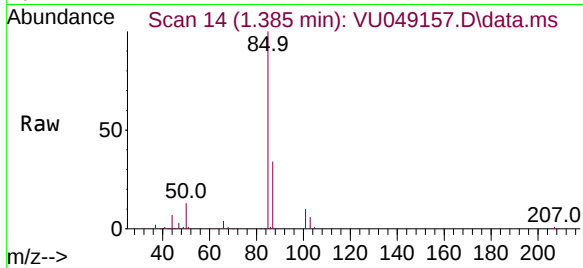
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.371 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

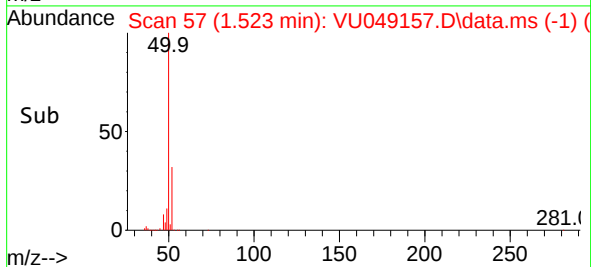
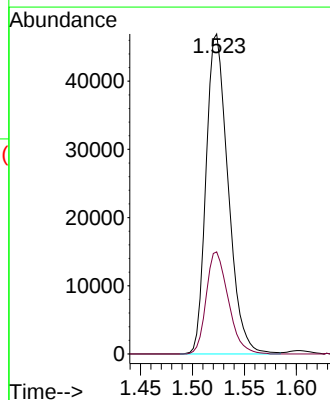
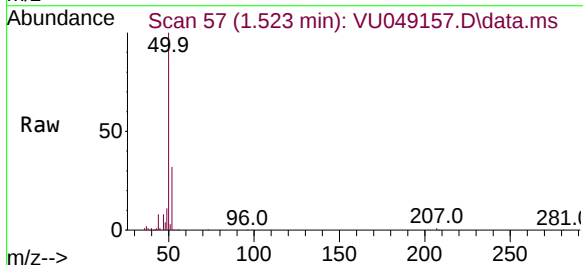
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

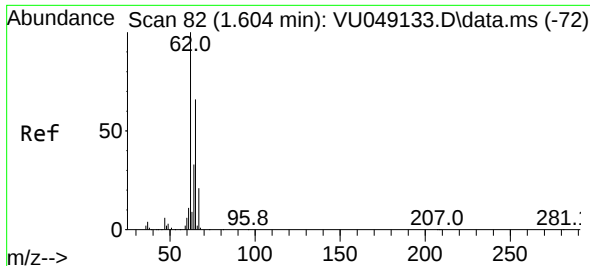
Tgt Ion: 85 Resp: 62966
Ion Ratio Lower Upper
85 100
87 32.9 25.5 38.3



#3
Chloromethane
Concen: 5.382 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 50 Resp: 69262
Ion Ratio Lower Upper
50 100
52 31.9 22.7 42.1

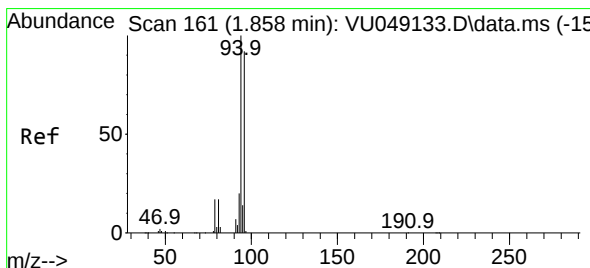
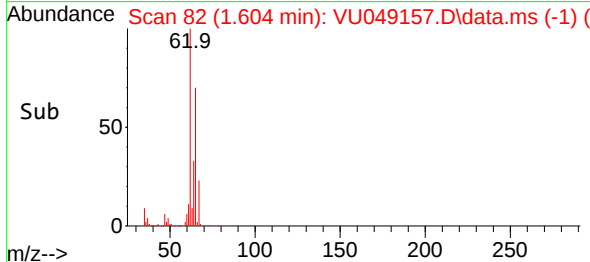
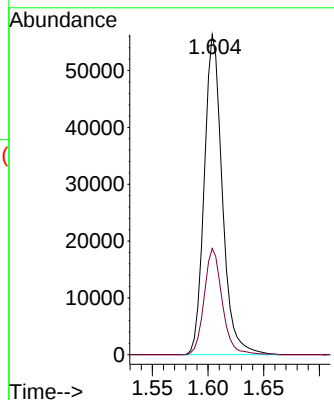
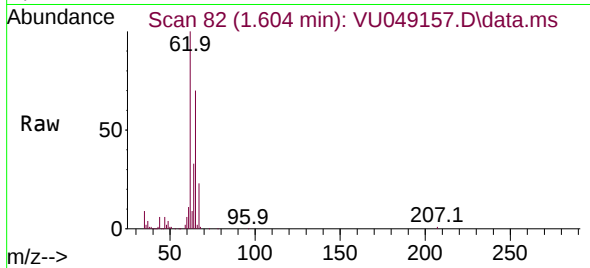




#5
 Vinyl chloride
 Concen: 5.497 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

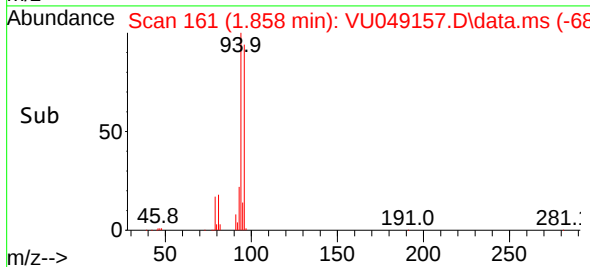
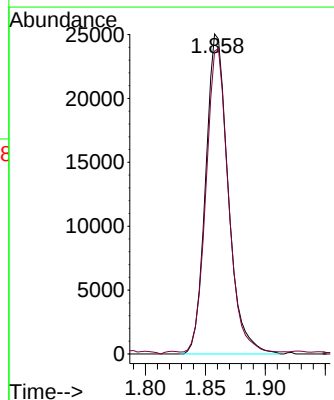
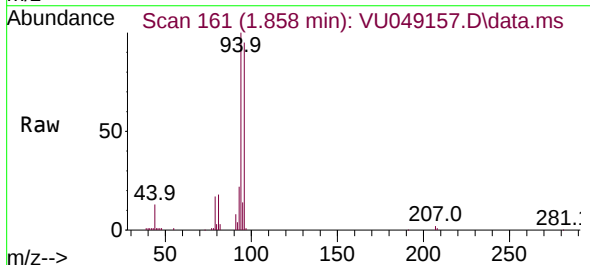
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

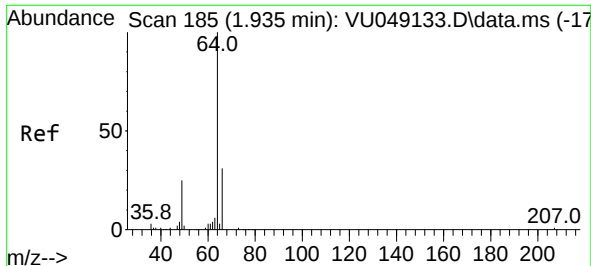
Tgt Ion: 62 Resp: 63464
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.8 42.4



#6
 Bromomethane
 Concen: 5.174 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

Tgt Ion: 94 Resp: 32870
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.4 123.4

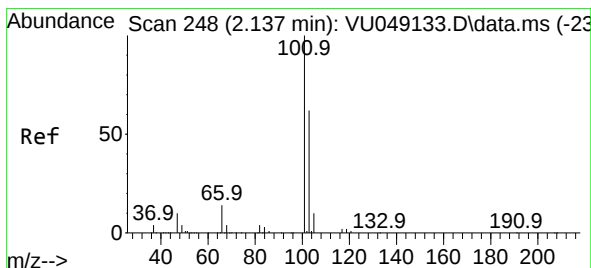
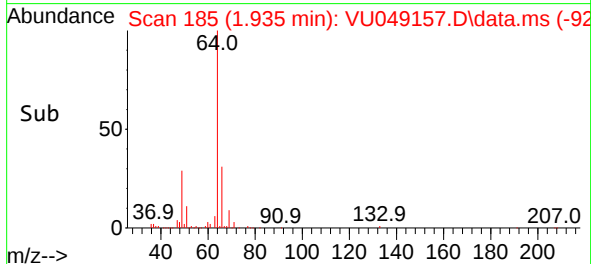
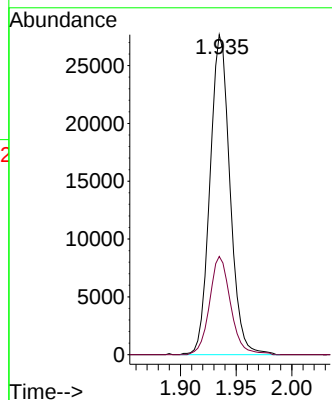
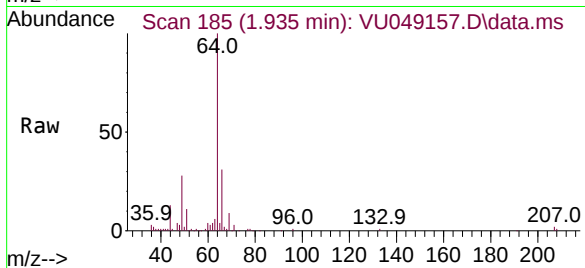




#8
Chloroethane
Concen: 5.170 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

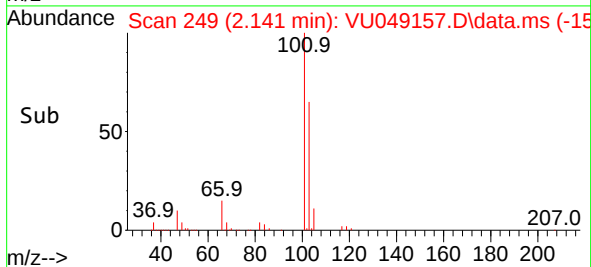
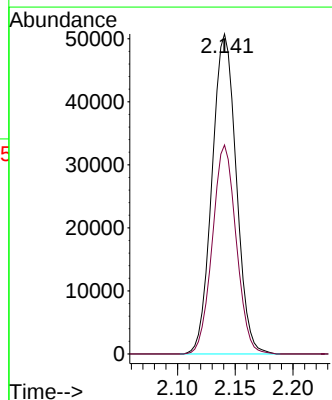
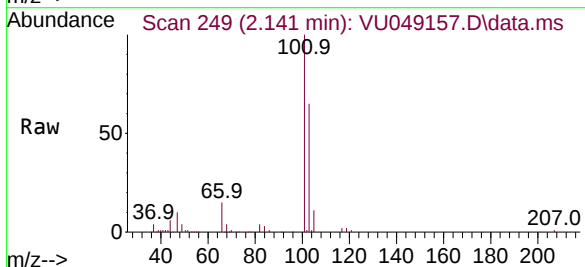
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

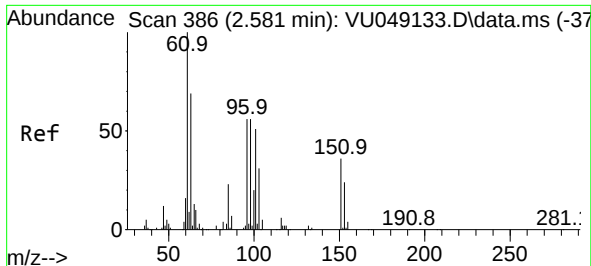
Tgt Ion: 64 Resp: 34545
Ion Ratio Lower Upper
64 100
66 30.7 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.530 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 101 Resp: 74083
Ion Ratio Lower Upper
101 100
103 64.1 53.5 80.3

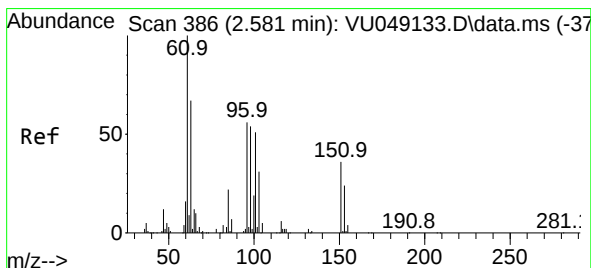
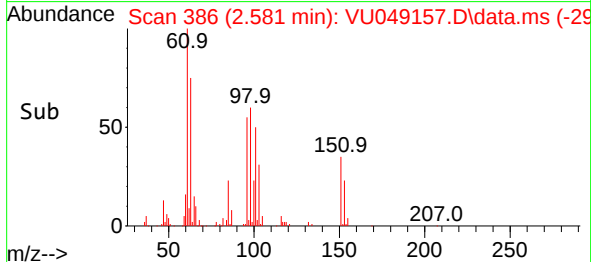
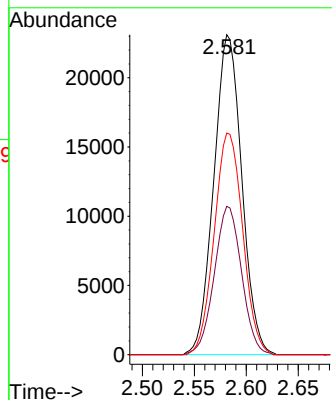
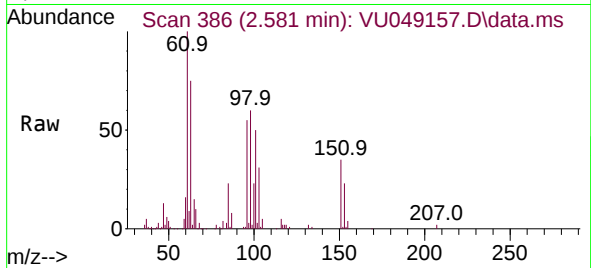




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.466 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

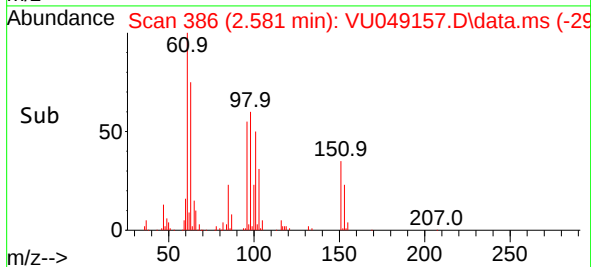
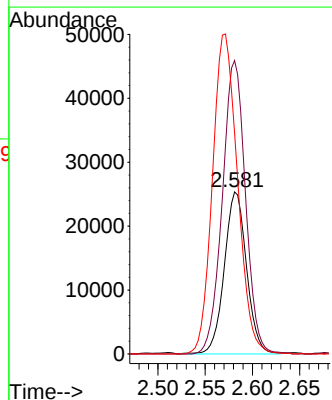
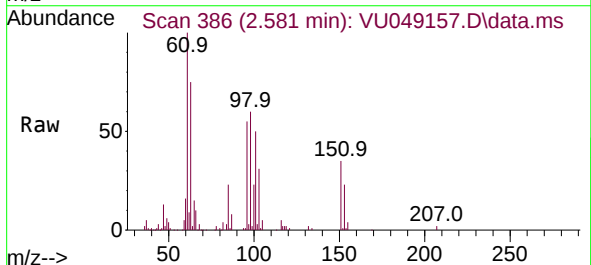
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

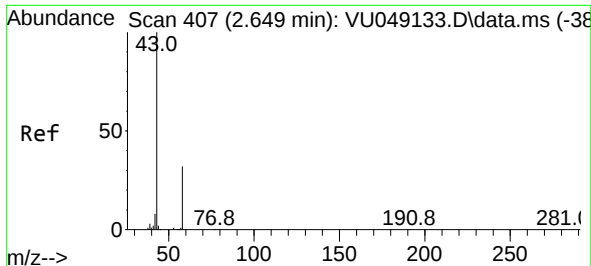
Tgt Ion: 101 Resp: 43357
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.1 54.1
 151 70.4 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.370 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

Tgt Ion: 96 Resp: 41465
 Ion Ratio Lower Upper
 96 100
 61 181.2 127.2 236.2
 63 136.3 94.7 175.9





#13

Acetone

Concen: 55.587 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

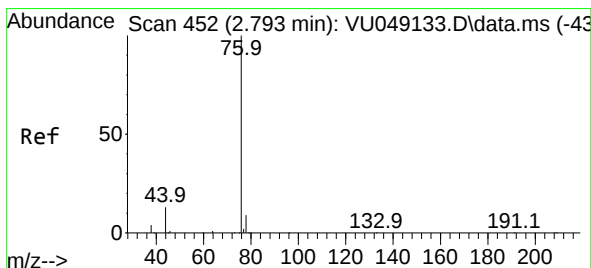
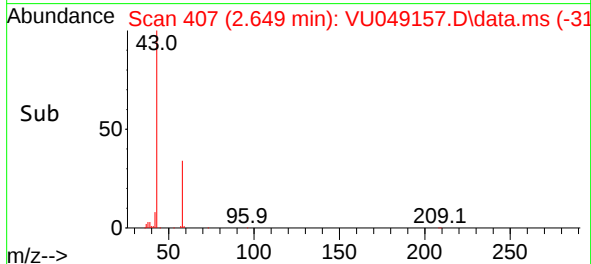
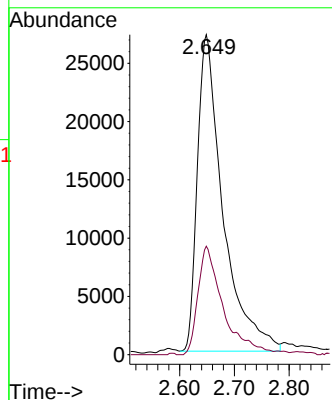
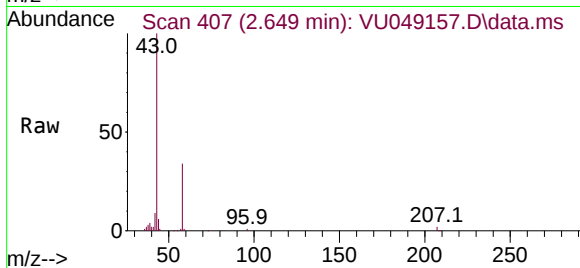
VSTD005113

Tgt Ion: 43 Resp: 88140

Ion Ratio Lower Upper

43 100

58 33.5 0.0 65.8



#14

Carbon disulfide

Concen: 5.309 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049157.D

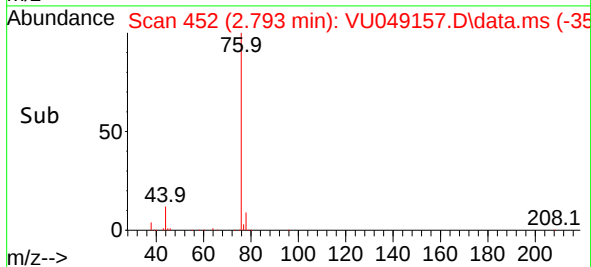
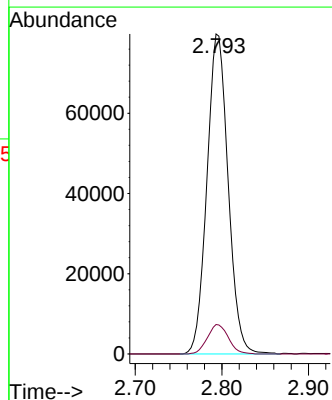
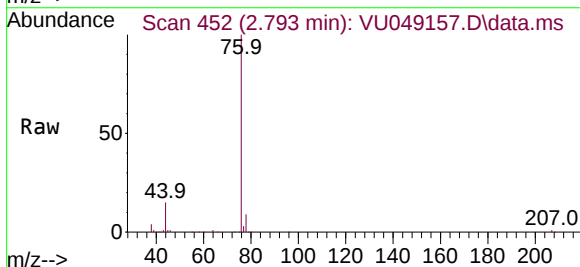
Acq: 15 Jun 2022 09:21

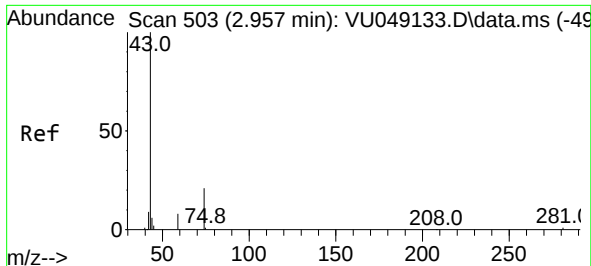
Tgt Ion: 76 Resp: 135396

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

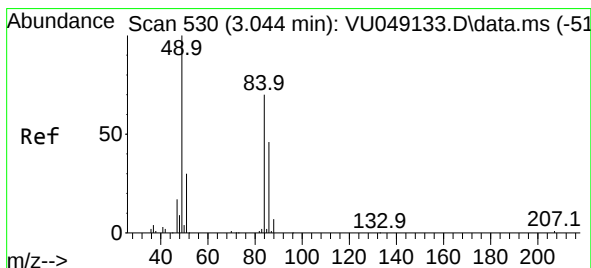
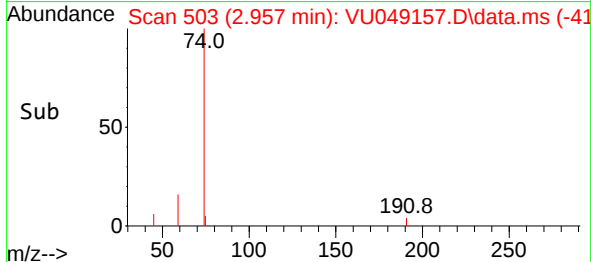
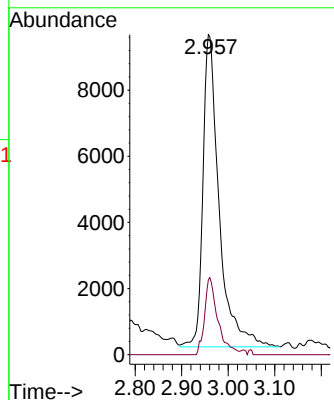
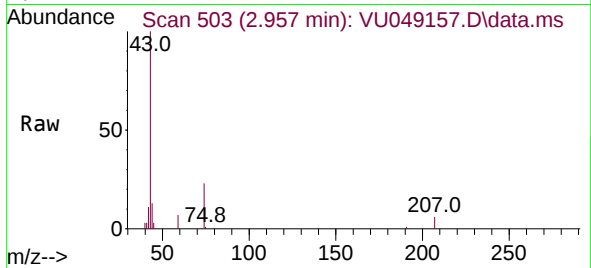




#15
Methyl Acetate
Concen: 5.386 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

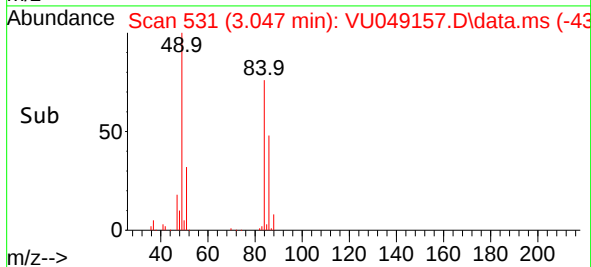
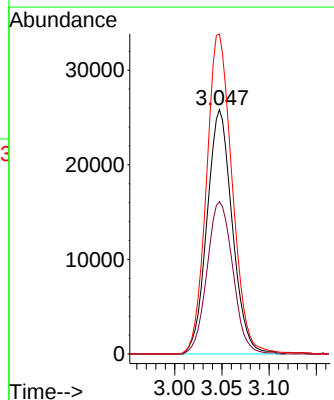
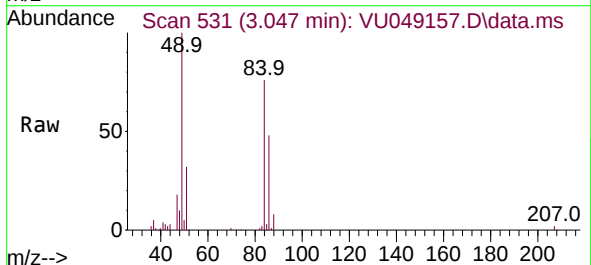
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

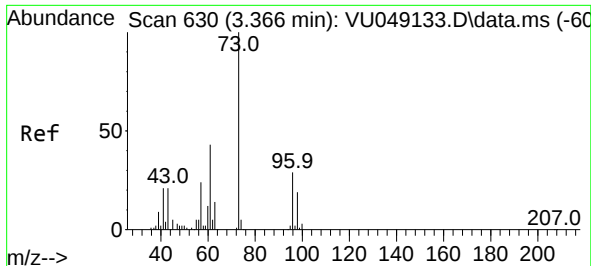
Tgt Ion: 43 Resp: 22842
Ion Ratio Lower Upper
43 100
74 20.1 17.6 26.4



#16
Methylene chloride
Concen: 4.730 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 84 Resp: 48052
Ion Ratio Lower Upper
84 100
86 62.3 43.6 81.0
49 131.0 90.2 167.6





#17

Methyl tert-butyl Ether

Concen: 5.111 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005113

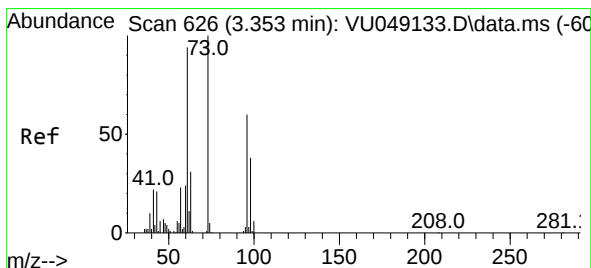
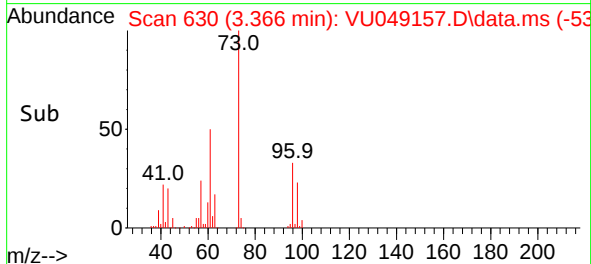
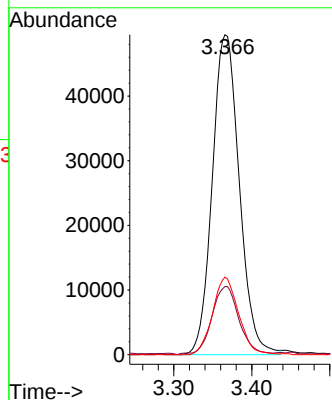
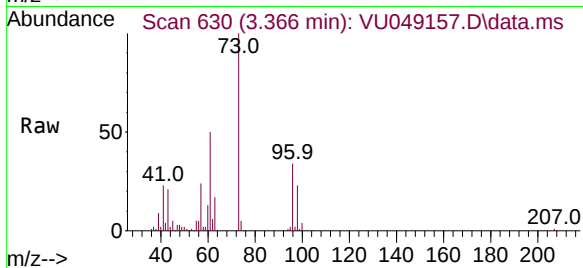
Tgt Ion: 73 Resp: 119371

Ion Ratio Lower Upper

73 100

43 21.5 16.5 24.7

57 23.2 18.6 27.8



#18

trans-1,2-Dichloroethene

Concen: 5.244 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

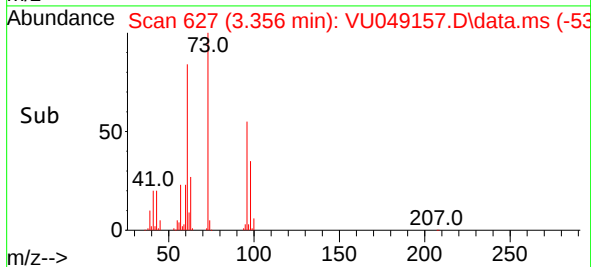
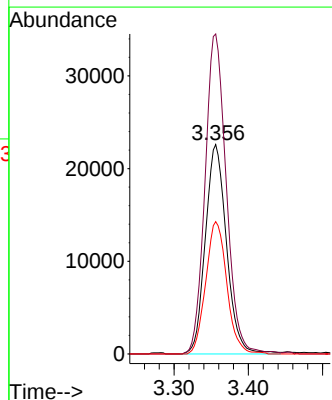
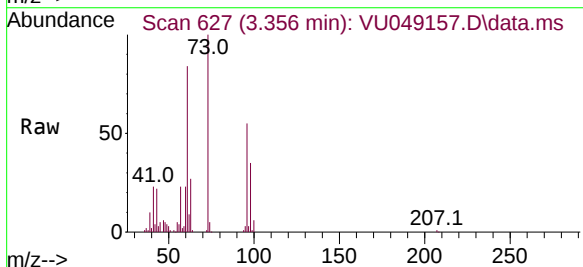
Tgt Ion: 96 Resp: 44865

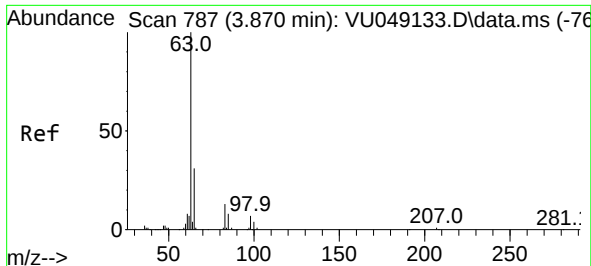
Ion Ratio Lower Upper

96 100

61 152.8 103.3 191.9

98 63.2 44.0 81.8

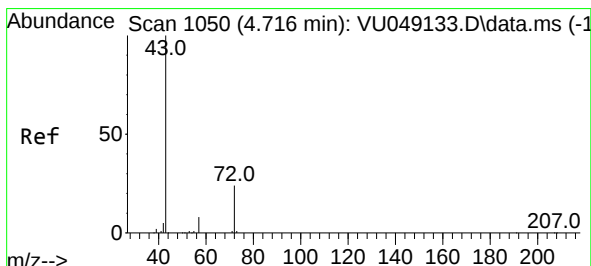
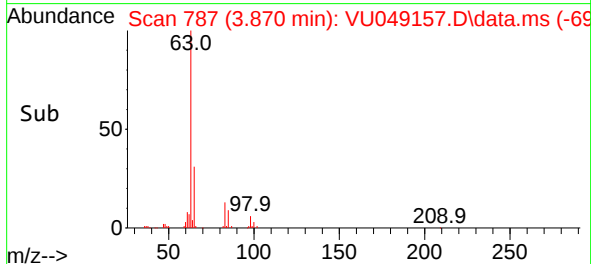
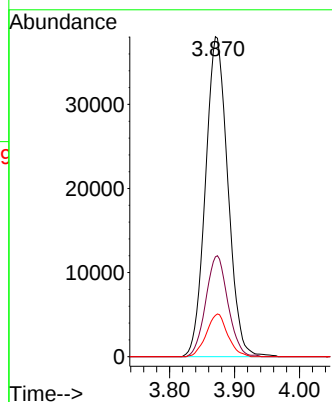
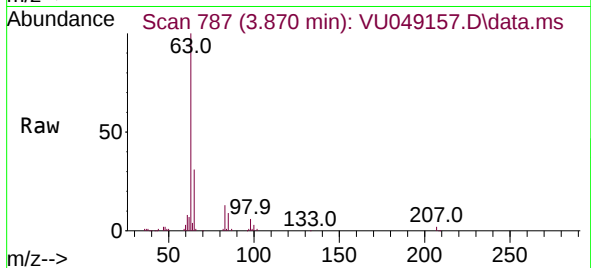




#19
1,1-Dichloroethane
Concen: 5.399 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

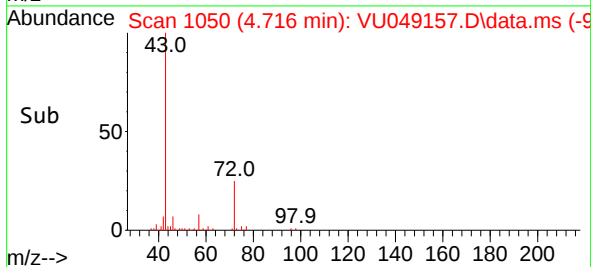
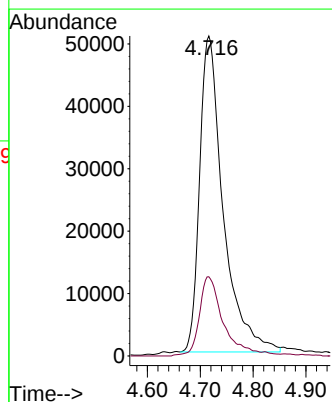
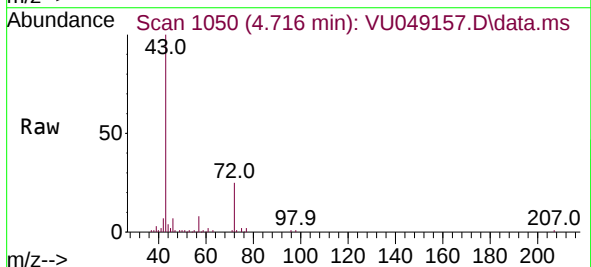
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

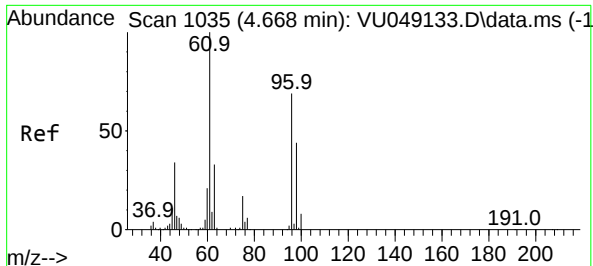
Tgt Ion: 63 Resp: 91078
Ion Ratio Lower Upper
63 100
65 31.2 24.0 44.6
83 12.9 9.1 16.9



#21
2-Butanone
Concen: 51.823 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 43 Resp: 156686
Ion Ratio Lower Upper
43 100
72 25.1 12.2 36.6

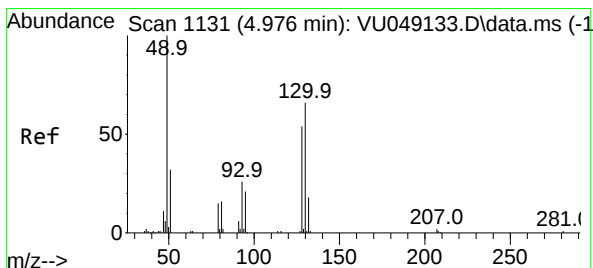
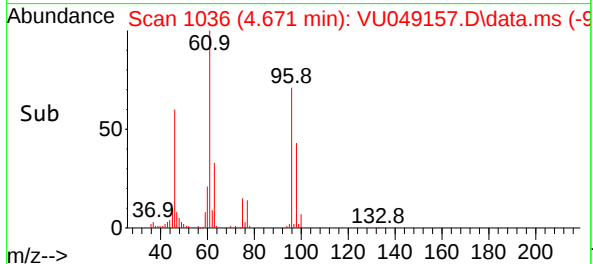
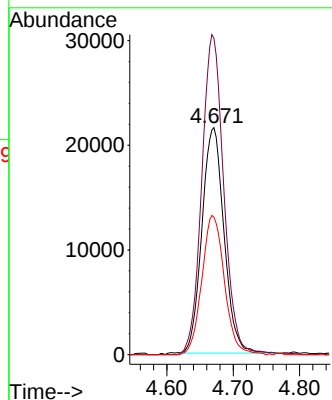
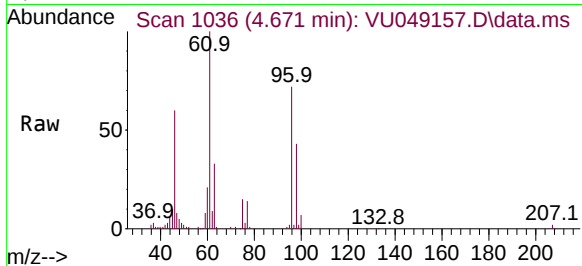




#22
cis-1,2-Dichloroethene
Concen: 5.208 ug/L
RT: 4.671 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

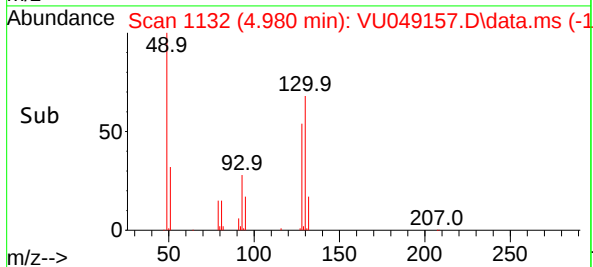
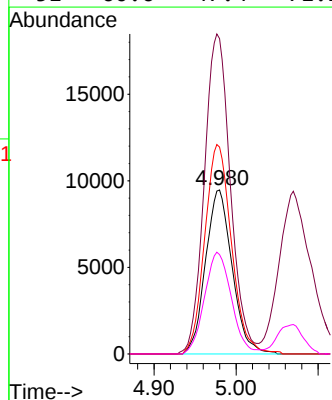
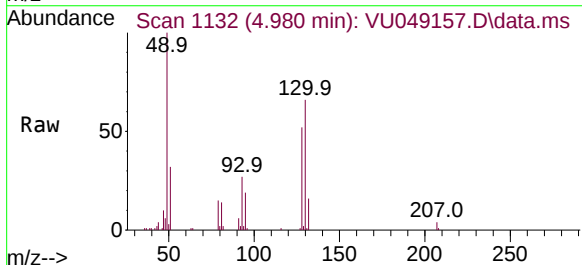
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

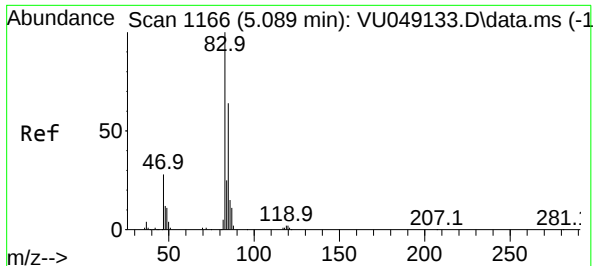
Tgt Ion: 96 Resp: 49829
Ion Ratio Lower Upper
96 100
61 139.4 99.5 184.9
98 60.5 44.8 83.2



#23
Bromochloromethane
Concen: 5.222 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 128 Resp: 21386
Ion Ratio Lower Upper
128 100
49 192.4 131.6 244.4
130 126.1 86.9 161.5
51 60.6 47.4 71.2





#25

Chloroform

Concen: 5.355 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

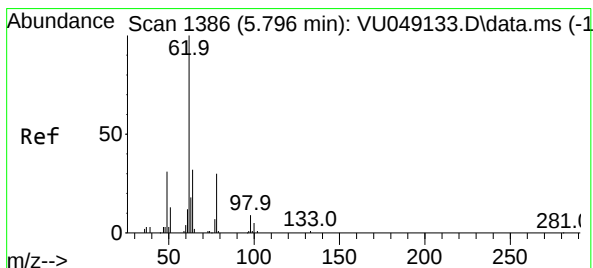
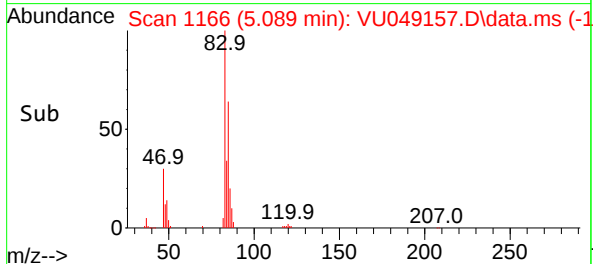
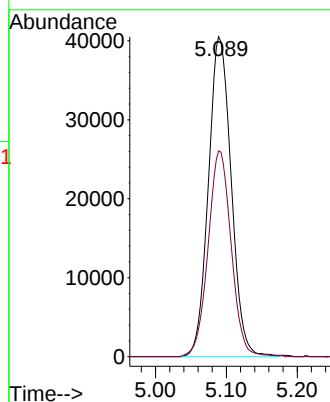
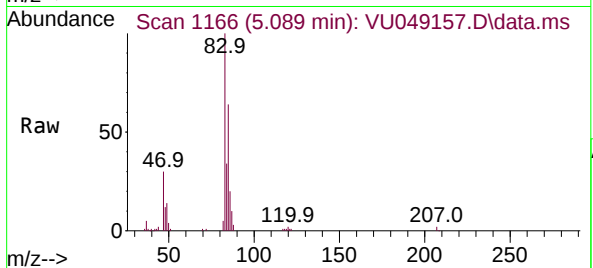
VSTD005113

Tgt Ion: 83 Resp: 90663

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.309 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU049157.D

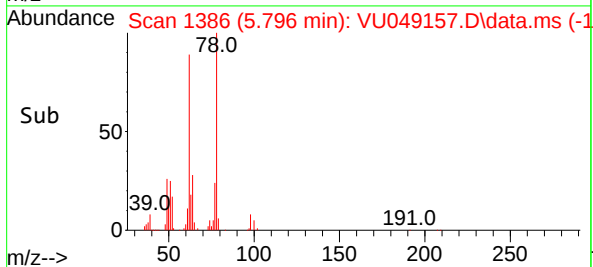
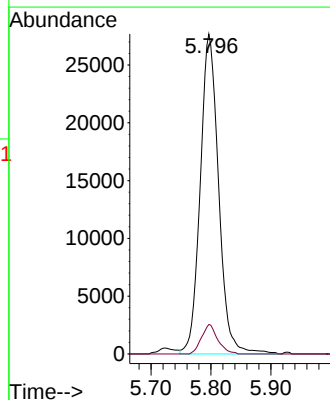
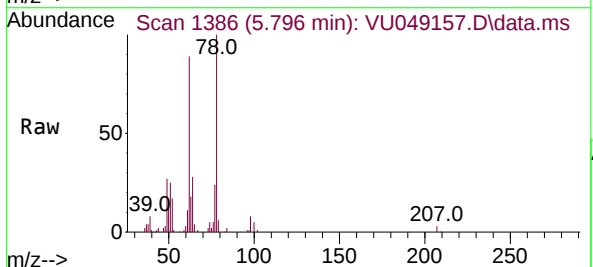
Acq: 15 Jun 2022 09:21

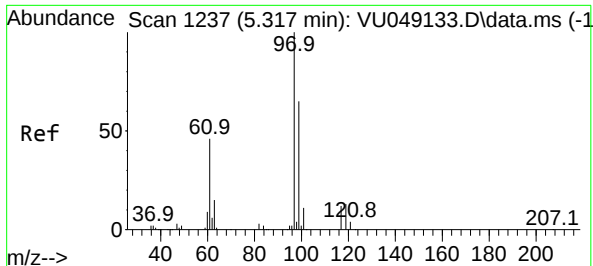
Tgt Ion: 62 Resp: 59201

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.238 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005113

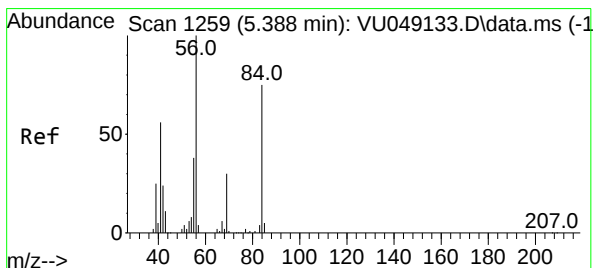
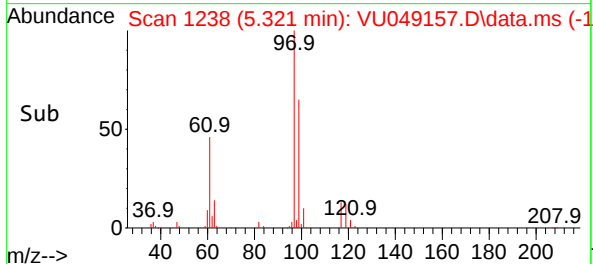
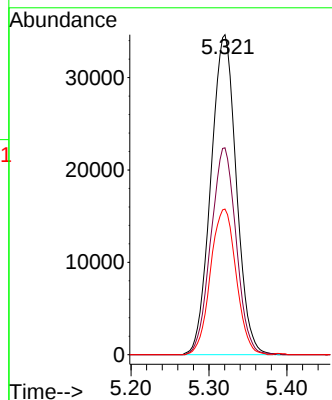
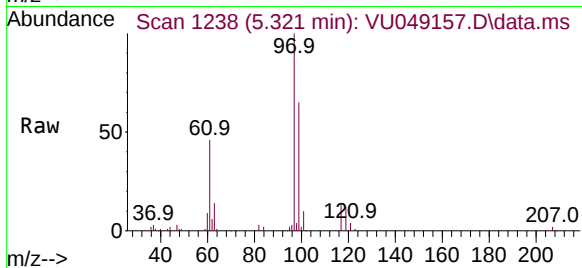
Tgt Ion: 97 Resp: 78612

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 45.9 36.2 54.4



#30

Cyclohexane

Concen: 5.319 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

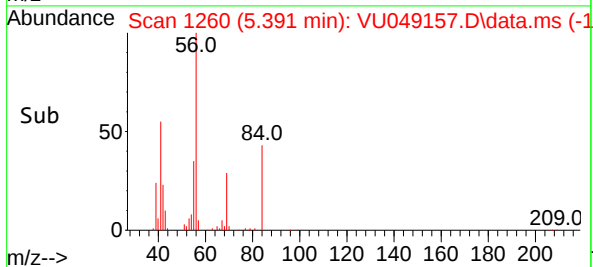
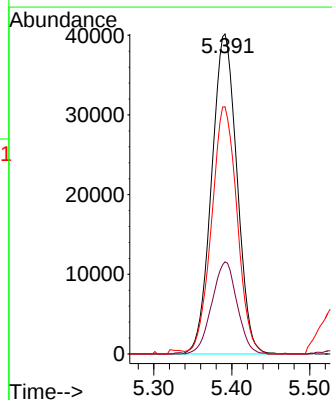
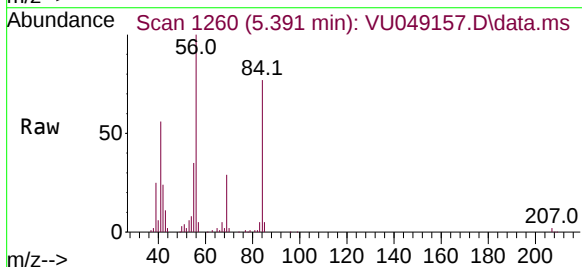
Tgt Ion: 56 Resp: 90734

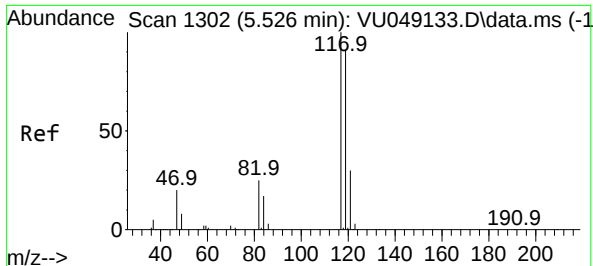
Ion Ratio Lower Upper

56 100

69 28.7 23.8 35.6

84 77.9 61.2 91.8

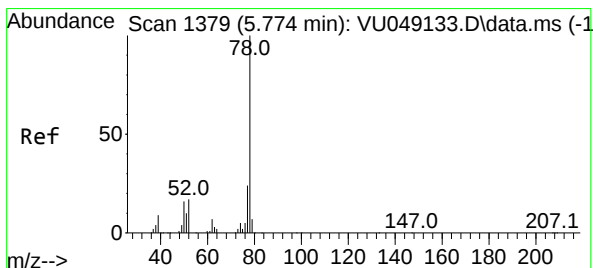
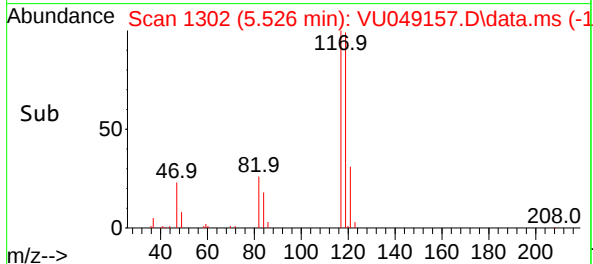
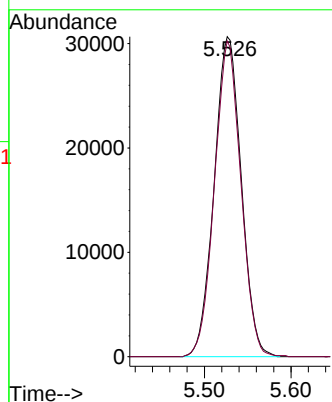
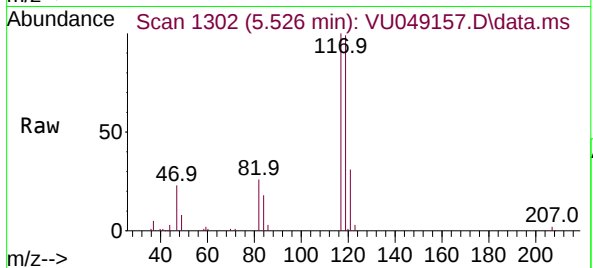




#31
Carbon tetrachloride
Concen: 5.303 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

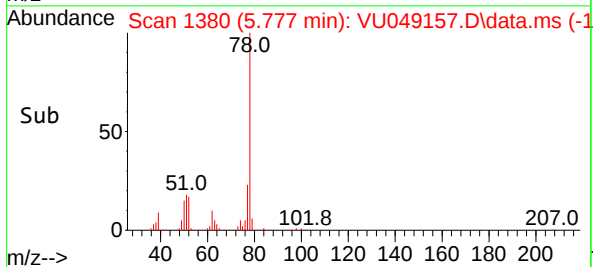
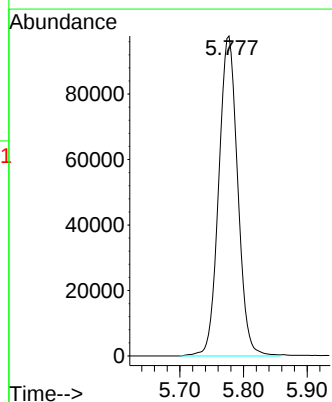
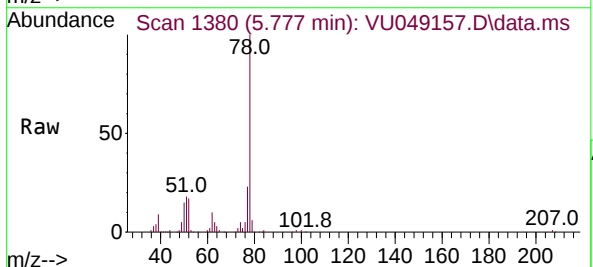
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

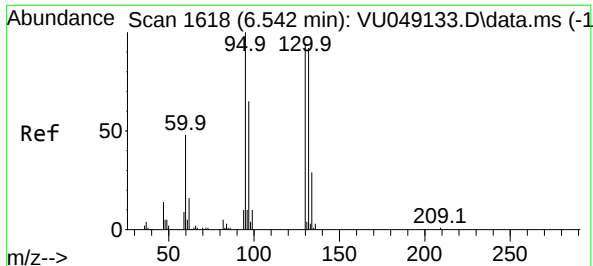
Tgt Ion:117 Resp: 66646
Ion Ratio Lower Upper
117 100
119 96.1 78.3 117.5



#33
Benzene
Concen: 5.414 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 78 Resp: 202344

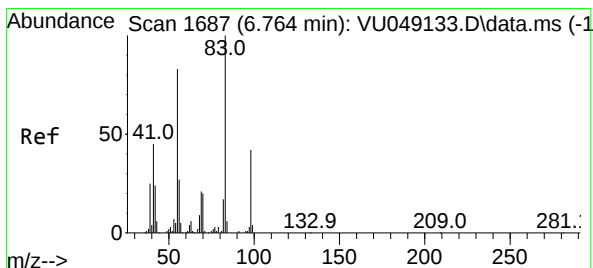
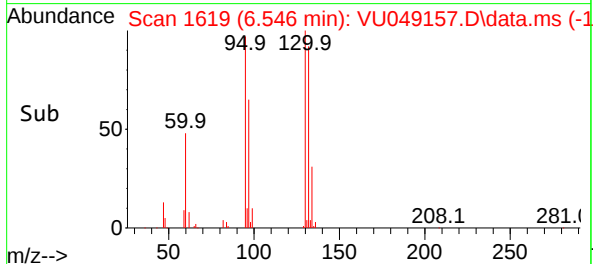
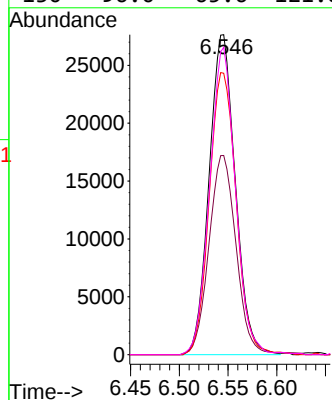
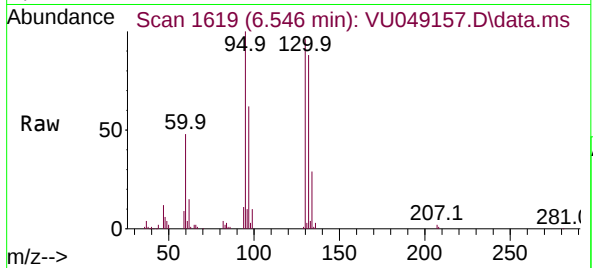




#34
Trichloroethene
Concen: 5.414 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

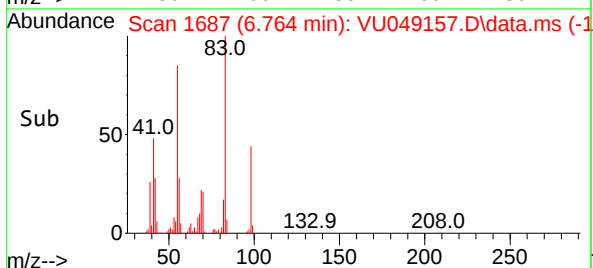
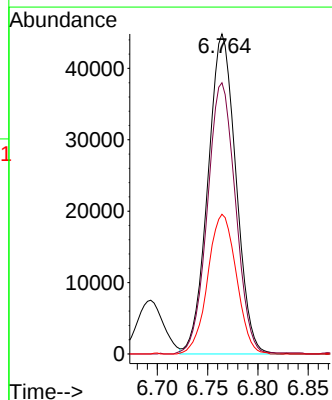
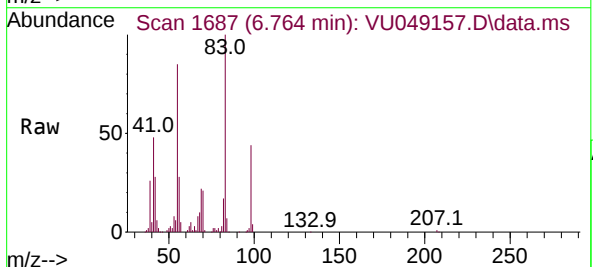
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

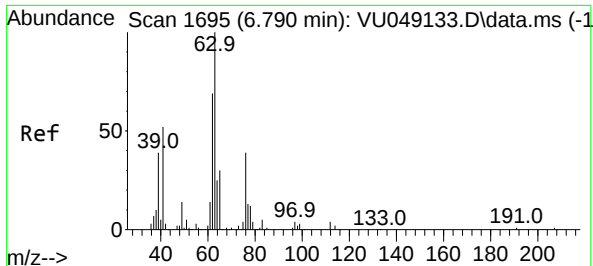
Tgt Ion: 95 Resp: 51718
Ion Ratio Lower Upper
95 100
97 62.2 45.3 84.1
132 88.0 61.5 114.3
130 96.0 65.6 121.8



#35
Methylcyclohexane
Concen: 5.424 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 83 Resp: 86908
Ion Ratio Lower Upper
83 100
55 85.0 66.9 100.3
98 44.5 35.5 53.3





#37

1,2-Dichloropropane

Concen: 5.269 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

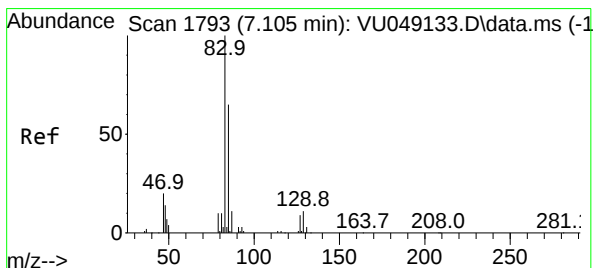
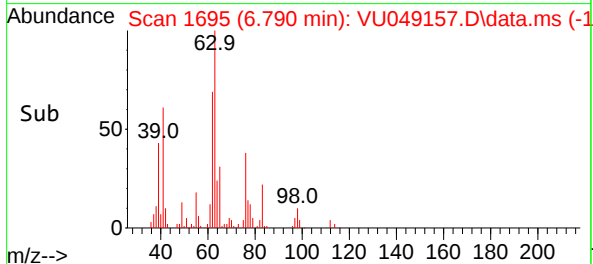
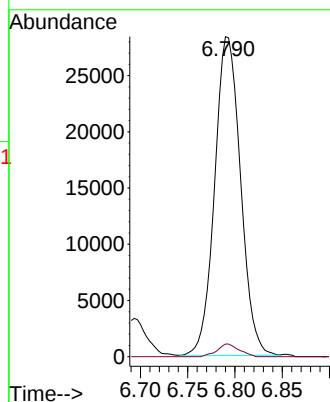
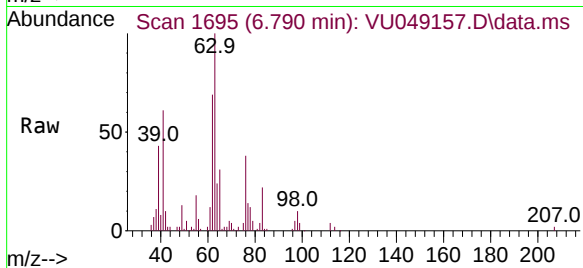
VSTD005113

Tgt Ion: 63 Resp: 54105

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 5.236 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

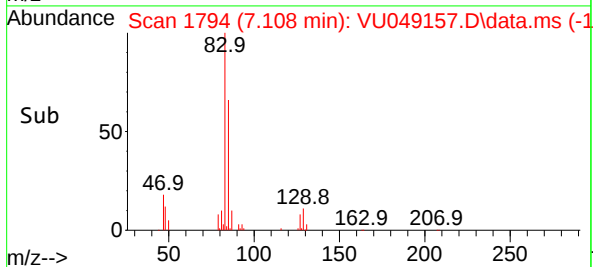
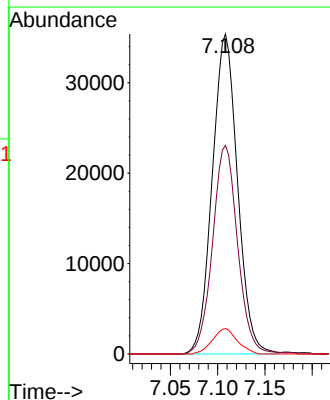
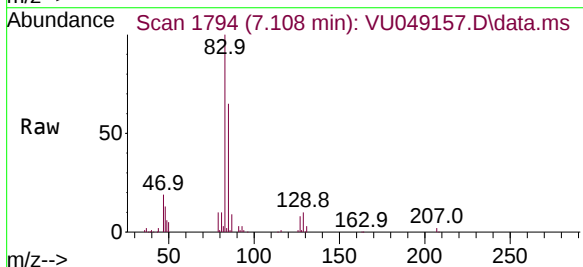
Tgt Ion: 83 Resp: 65717

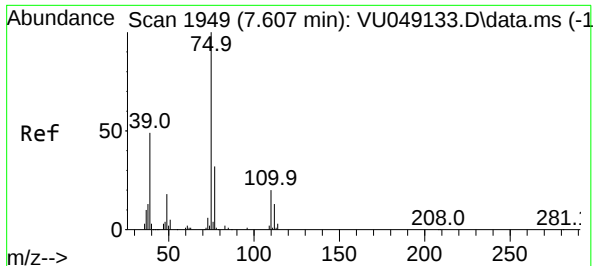
Ion Ratio Lower Upper

83 100

85 65.2 45.5 84.5

127 8.0 7.1 10.7

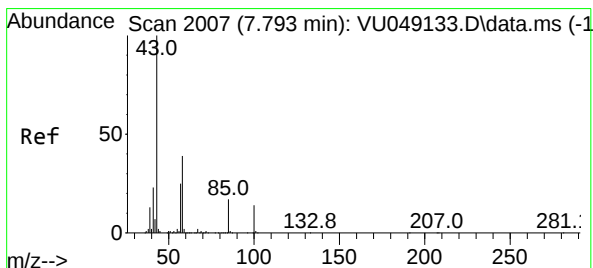
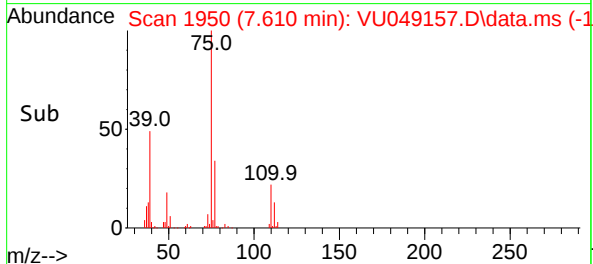
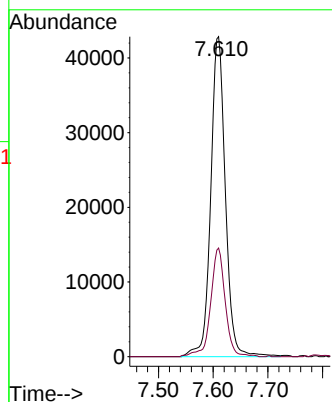
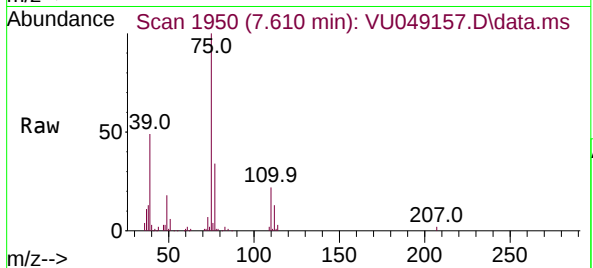




#39
 cis-1,3-Dichloropropene
 Concen: 5.108 ug/L
 RT: 7.610 min Scan# 1949
 Delta R.T. 0.003 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

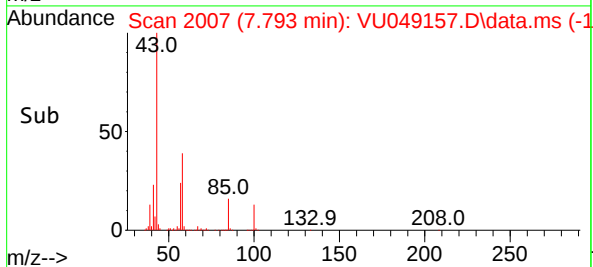
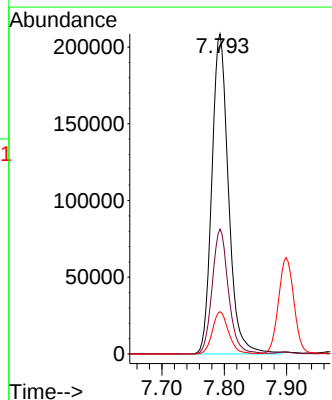
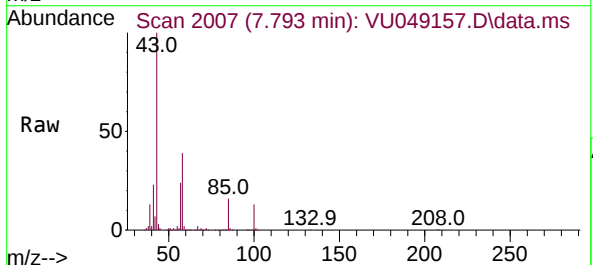
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

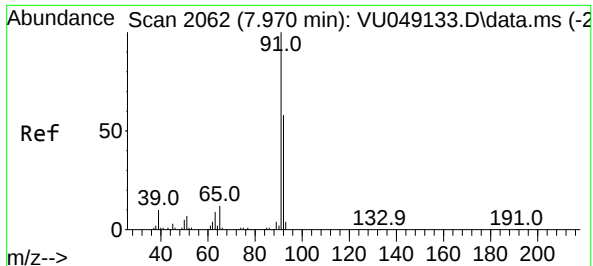
Tgt Ion: 75 Resp: 79733
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 50.696 ug/L
 RT: 7.793 min Scan# 2007
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

Tgt Ion: 43 Resp: 386774
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.2
 100 12.9 10.5 15.7





#42

Toluene

Concen: 5.384 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

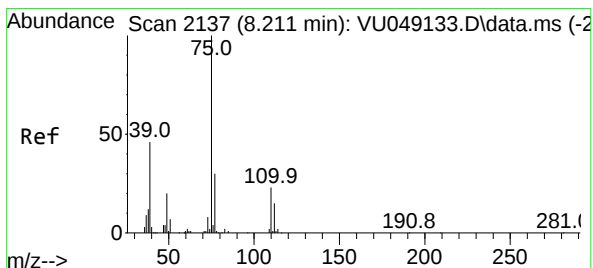
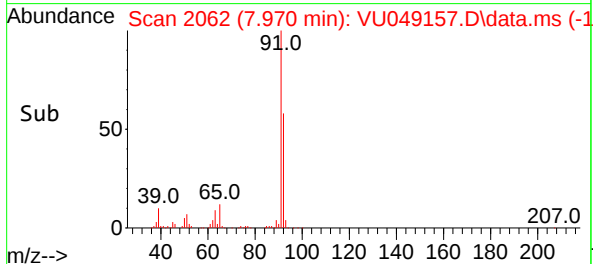
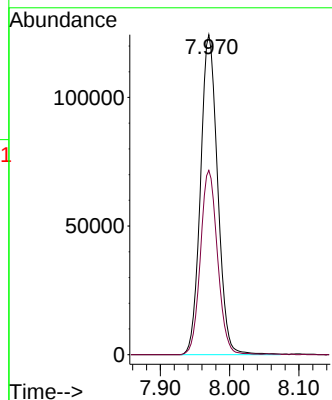
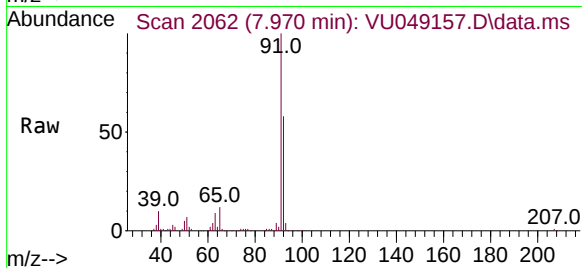
VSTD005113

Tgt Ion: 91 Resp: 213361

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.034 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049157.D

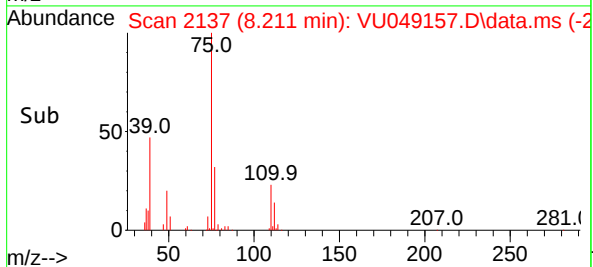
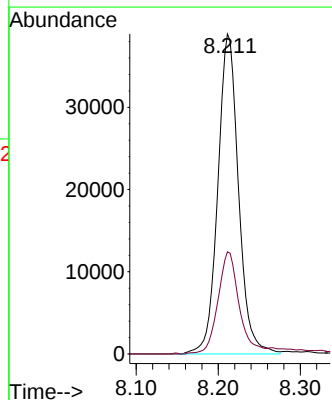
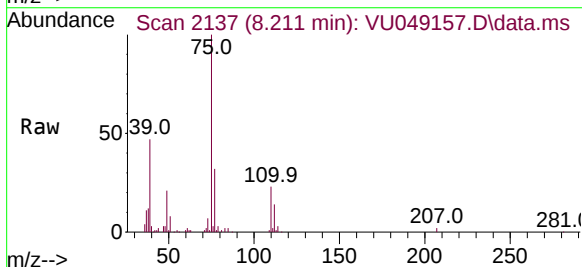
Acq: 15 Jun 2022 09:21

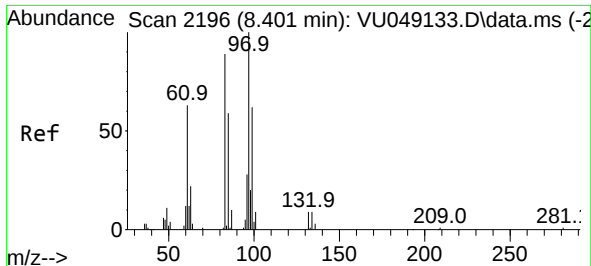
Tgt Ion: 75 Resp: 68253

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.3

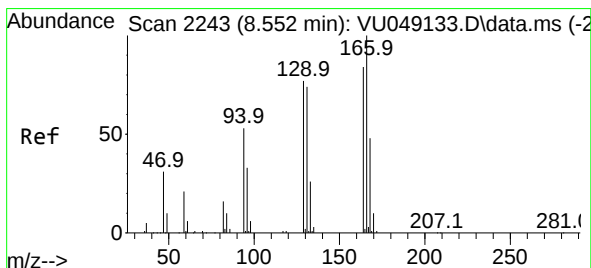
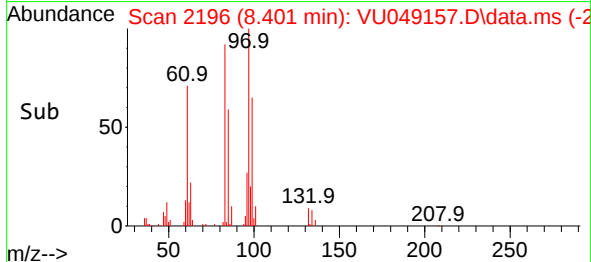
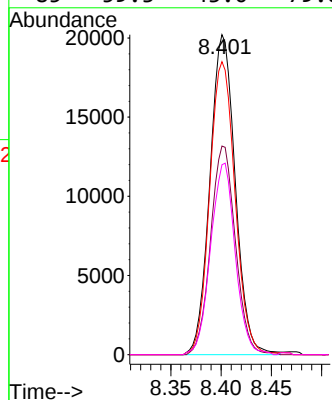
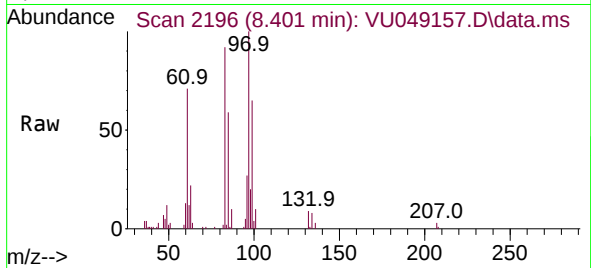




#45
1,1,2-Trichloroethane
Concen: 4.943 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

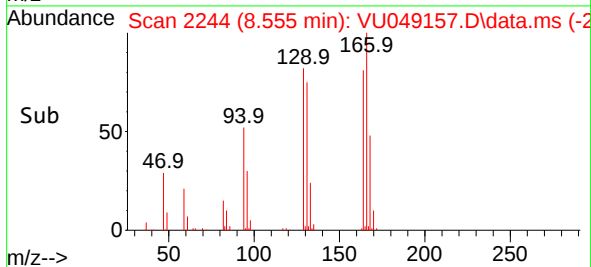
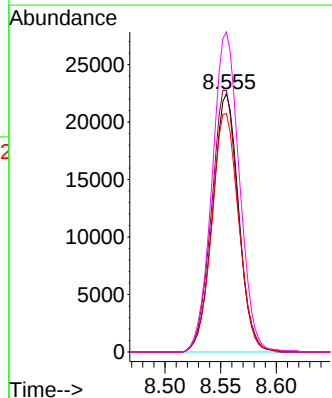
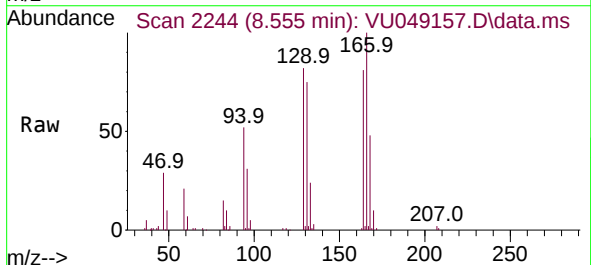
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

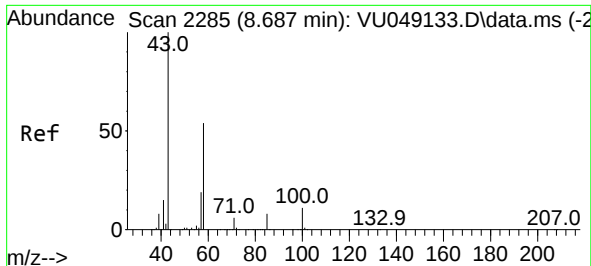
Tgt Ion: 97	Resp: 35383
Ion Ratio	Lower Upper
97 100	
99 65.2	45.6 84.8
83 91.6	65.4 121.4
85 59.3	43.0 79.8



#47
Tetrachloroethene
Concen: 5.539 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt	Ion:164	Resp:	36490
Ion	Ratio	Lower	Upper
164	100		
129	101.2	69.8	129.6
131	92.3	67.8	125.8
166	123.9	87.3	162.1

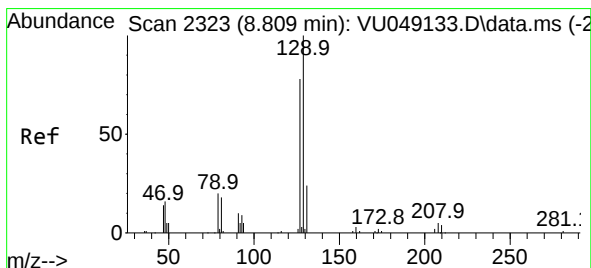
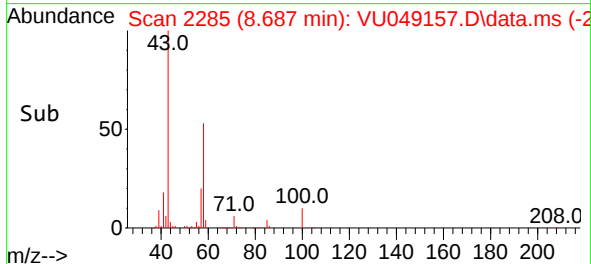
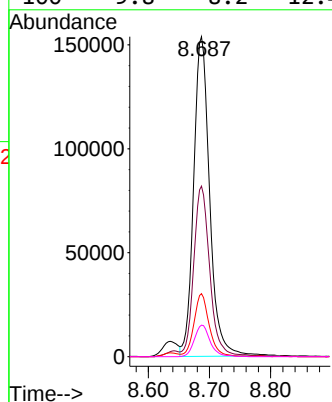
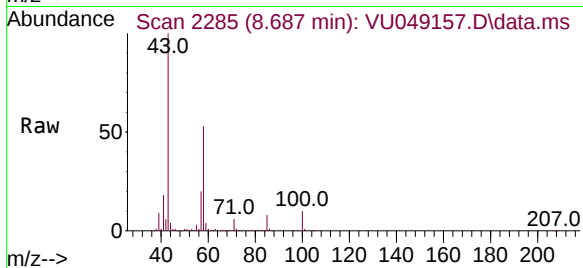




#48
2-Hexanone
Concen: 51.469 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

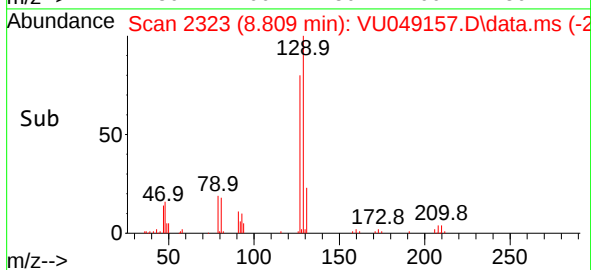
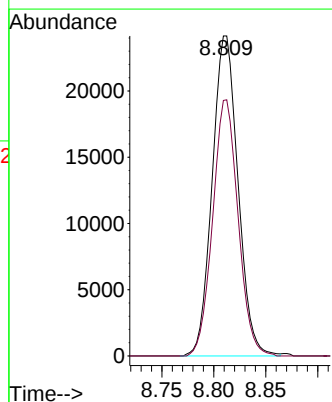
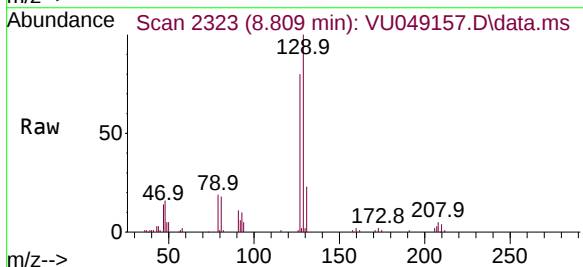
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

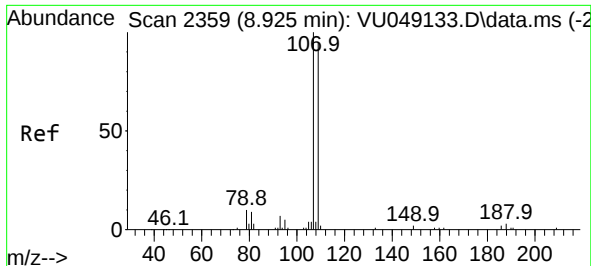
Tgt Ion: 43 Resp: 280273
Ion Ratio Lower Upper
43 100
58 52.5 43.4 65.0
57 18.6 14.9 22.3
100 9.8 8.2 12.4



#49
Dibromochloromethane
Concen: 5.119 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 129 Resp: 41808
Ion Ratio Lower Upper
129 100
127 79.9 54.9 101.9

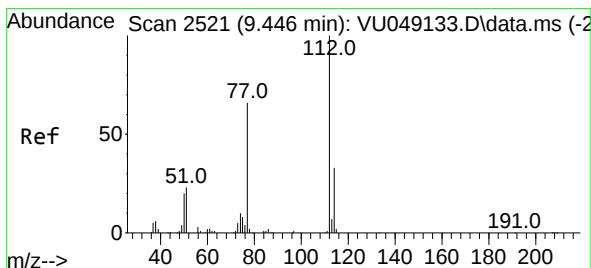
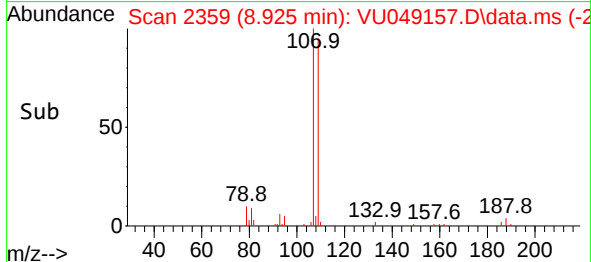
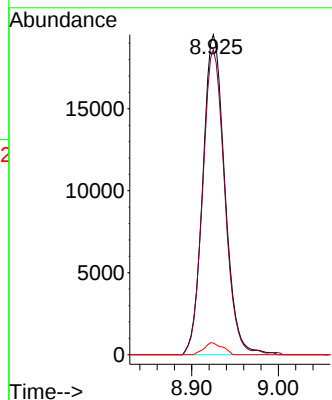
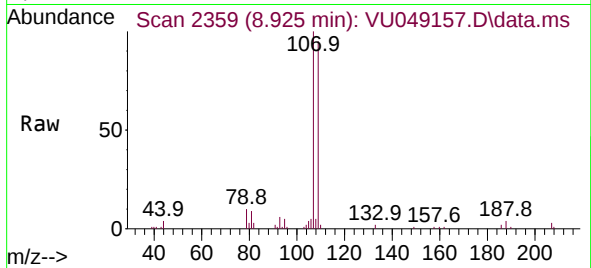




#50
1,2-Dibromoethane
Concen: 5.192 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

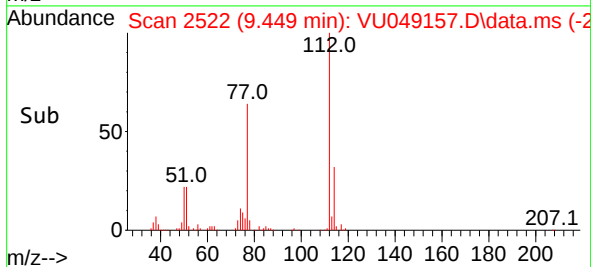
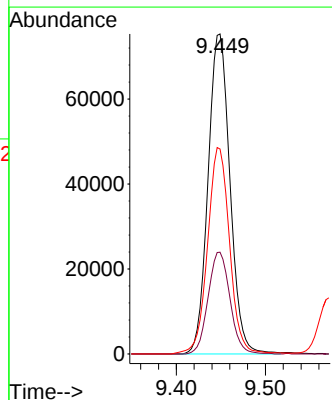
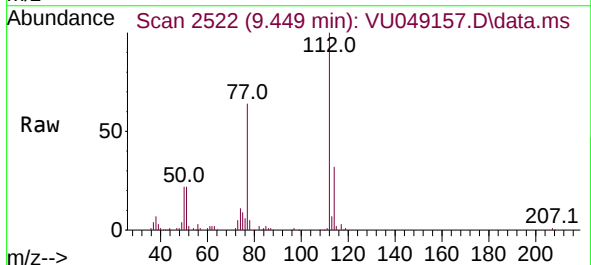
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

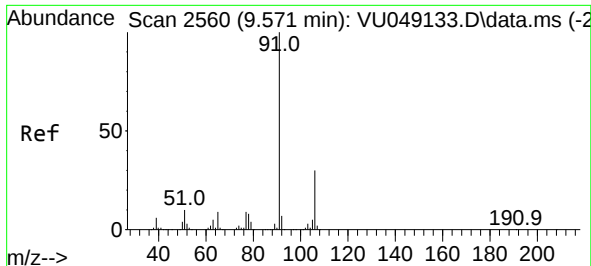
Tgt Ion:107 Resp: 34453
Ion Ratio Lower Upper
107 100
109 95.3 64.4 119.6
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 5.332 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion:112 Resp: 128658
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 64.0 51.0 76.6

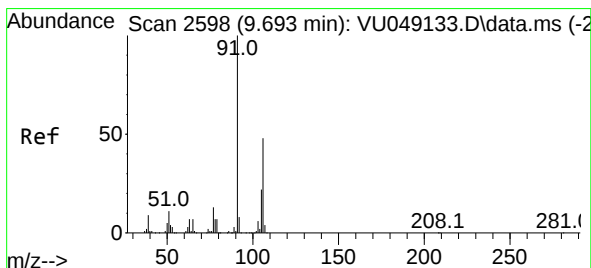
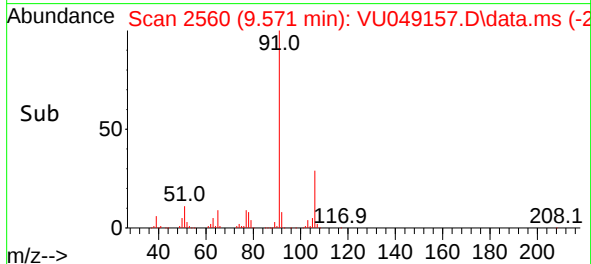
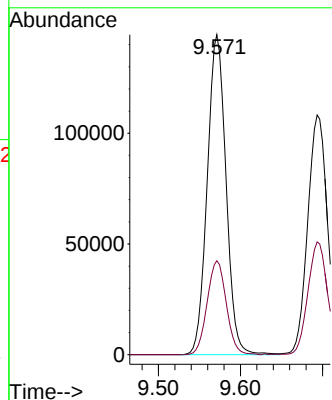
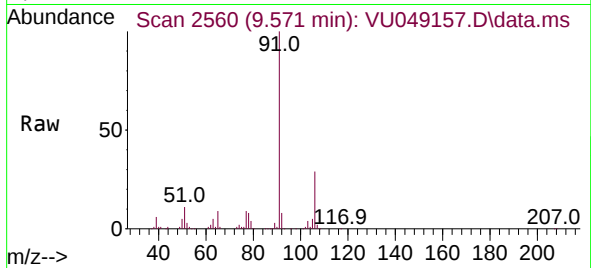




#52
Ethylbenzene
Concen: 5.317 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

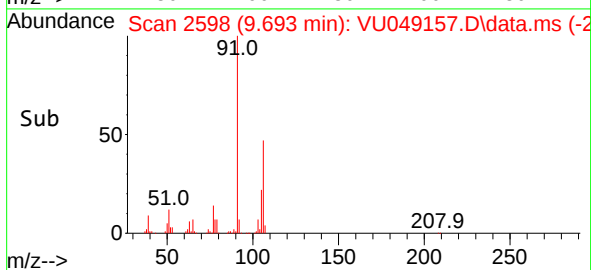
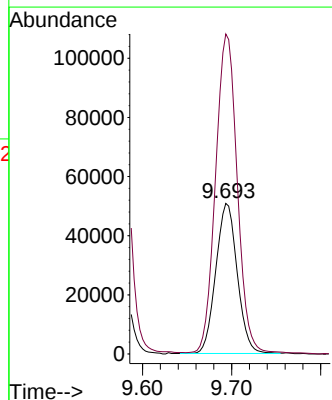
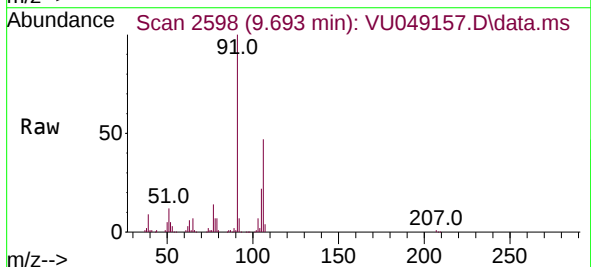
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

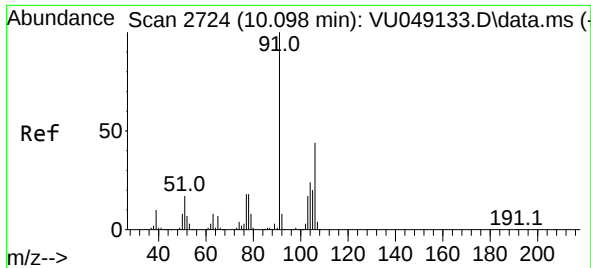
Tgt Ion: 91 Resp: 230131
Ion Ratio Lower Upper
91 100
106 29.3 21.2 39.4



#53
m,p-Xylene
Concen: 5.276 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 106 Resp: 84862
Ion Ratio Lower Upper
106 100
91 212.5 148.5 275.7

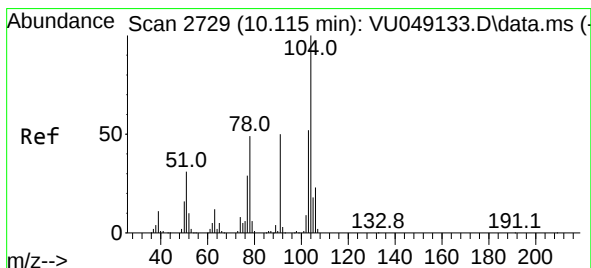
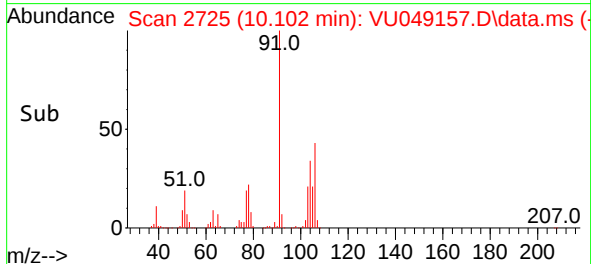
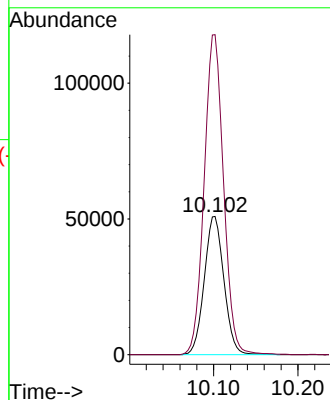
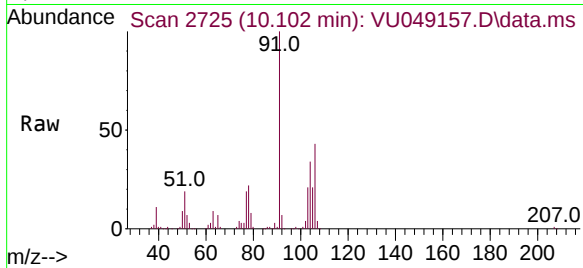




#54
o-Xylene
Concen: 5.183 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

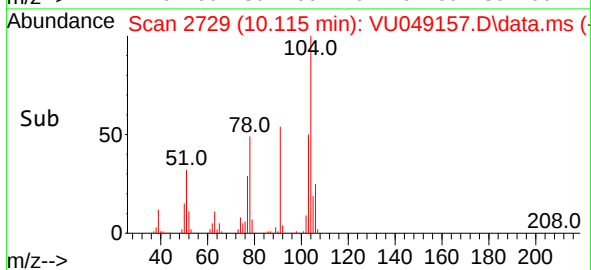
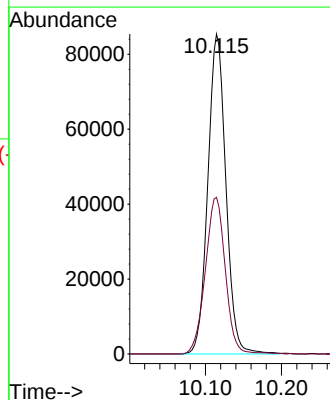
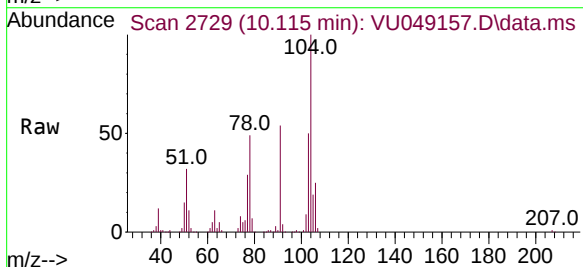
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

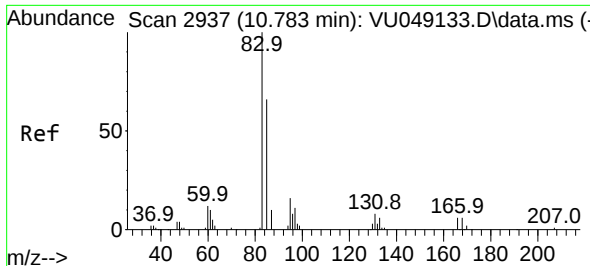
Tgt Ion:106 Resp: 82658
Ion Ratio Lower Upper
106 100
91 231.6 157.5 292.5



#55
Styrene
Concen: 5.277 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion:104 Resp: 140959
Ion Ratio Lower Upper
104 100
78 49.0 34.1 63.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.044 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005113

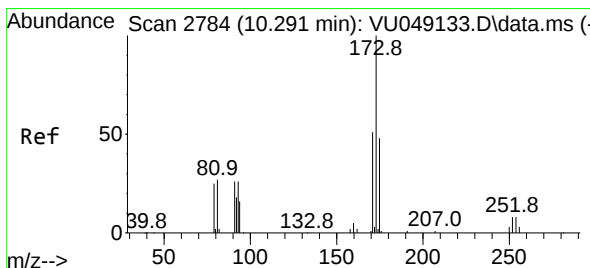
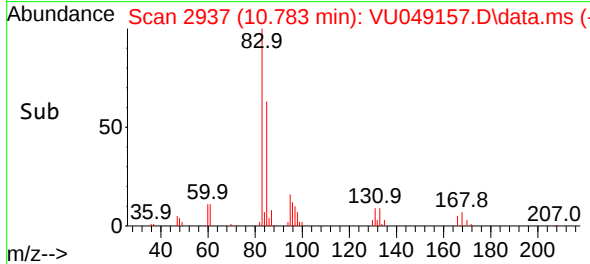
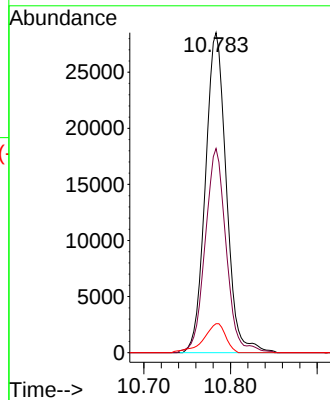
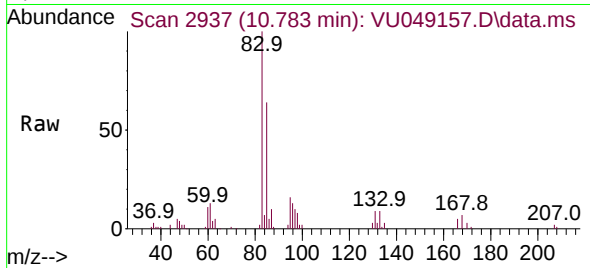
Tgt Ion: 83 Resp: 47785

Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.4

131 9.1 7.1 10.7



#59

Bromoform

Concen: 4.950 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

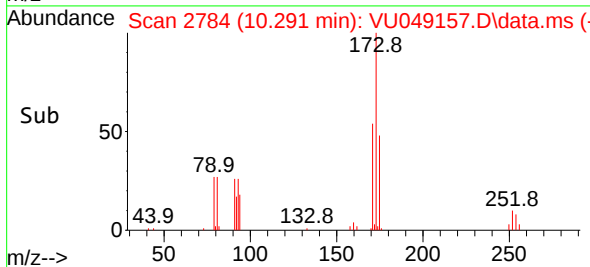
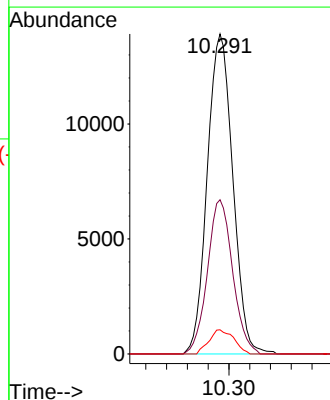
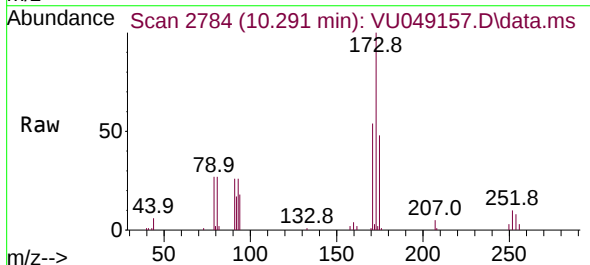
Tgt Ion: 173 Resp: 23746

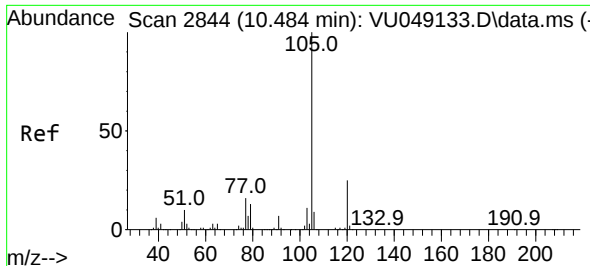
Ion Ratio Lower Upper

173 100

175 47.6 37.9 56.9

254 7.3 6.6 9.8

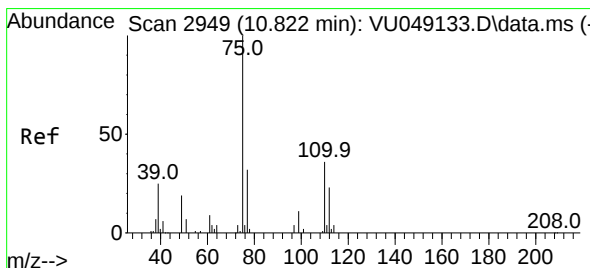
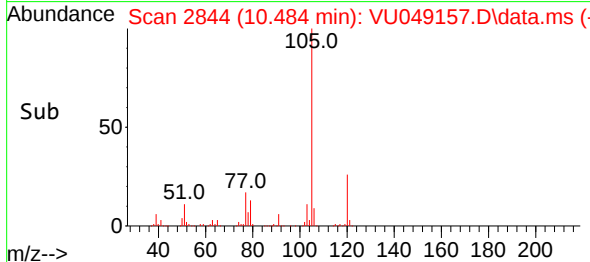
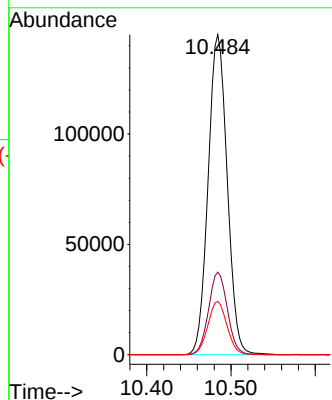
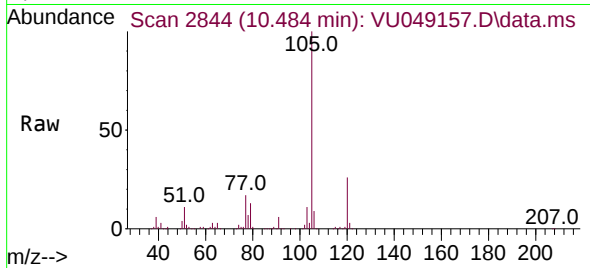




#60
Isopropylbenzene
Concen: 5.247 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

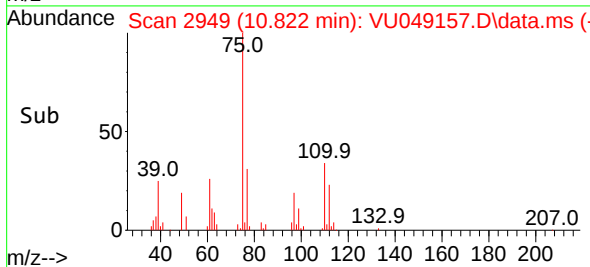
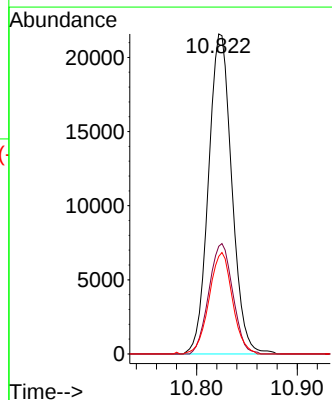
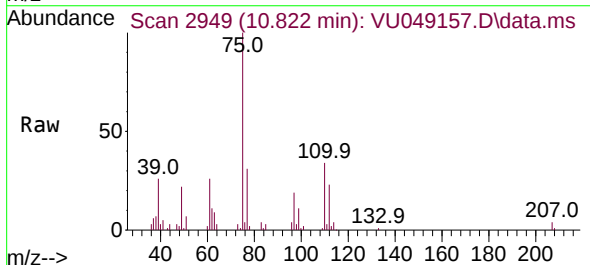
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

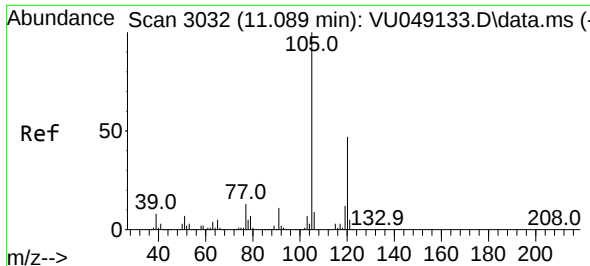
Tgt Ion:105 Resp: 228300
Ion Ratio Lower Upper
105 100
120 25.5 20.3 30.5
77 16.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.849 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion: 75 Resp: 34751
Ion Ratio Lower Upper
75 100
110 35.3 29.0 43.4
77 31.8 26.2 39.2

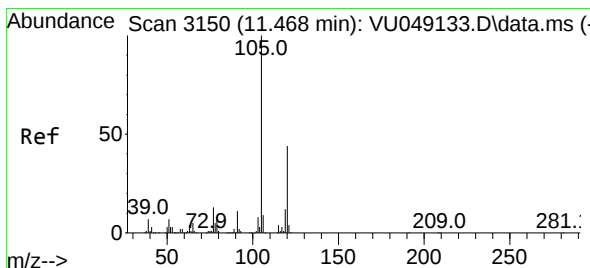
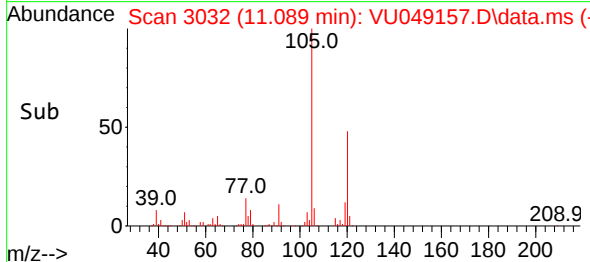
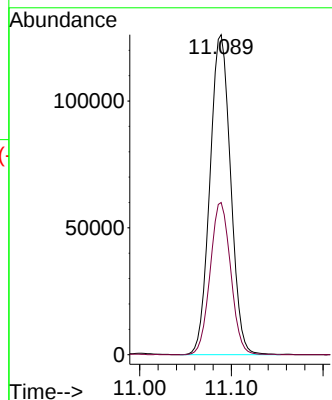
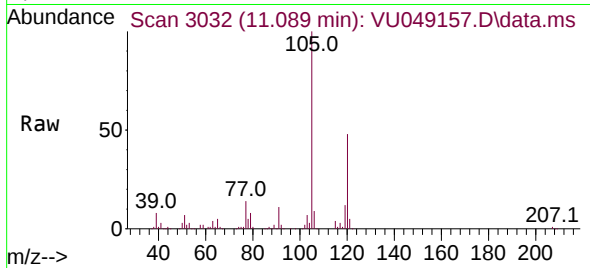




#62
 1,3,5-Trimethylbenzene
 Concen: 5.148 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

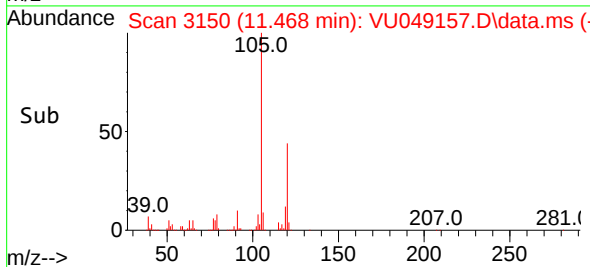
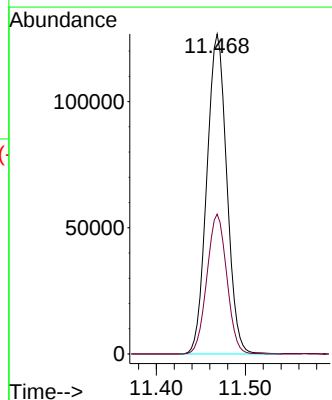
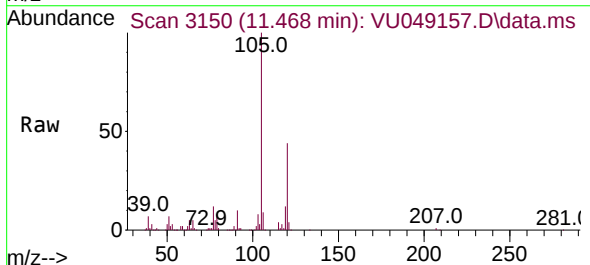
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005113

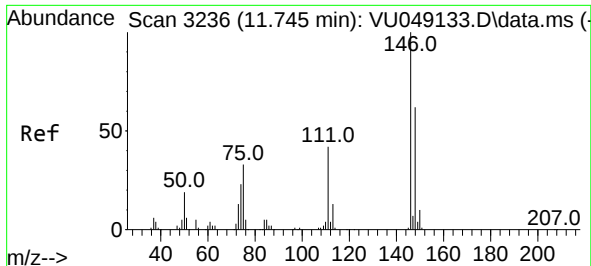
Tgt Ion:105 Resp: 197686
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 5.178 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU049157.D
 Acq: 15 Jun 2022 09:21

Tgt Ion:105 Resp: 196992
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.6 52.0

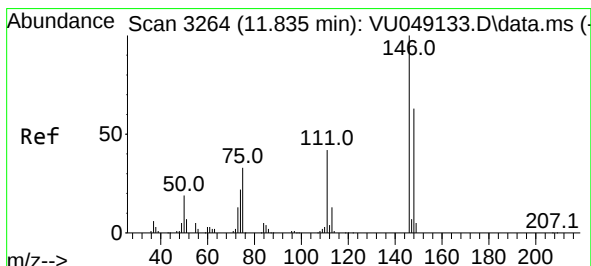
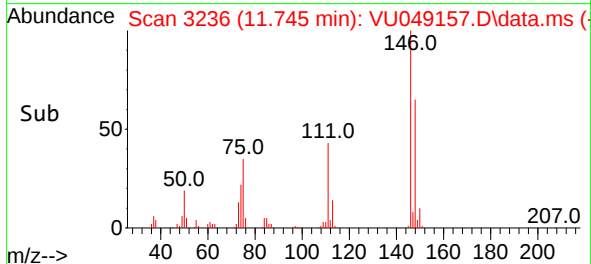
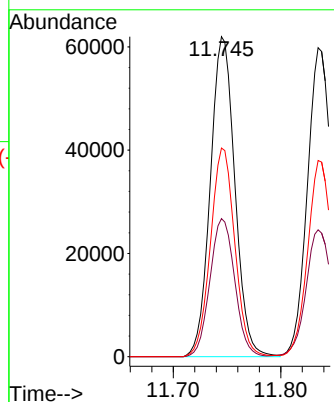
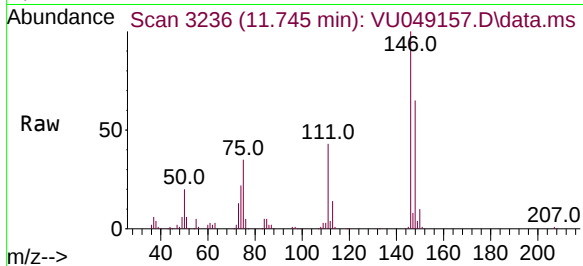




#64
1,3-Dichlorobenzene
Concen: 5.274 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

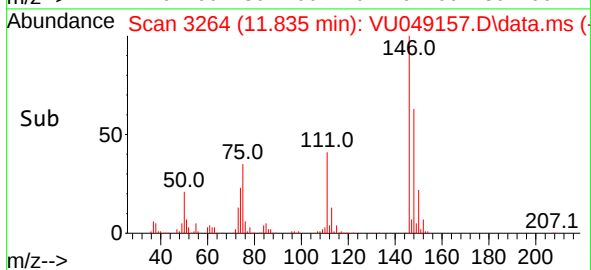
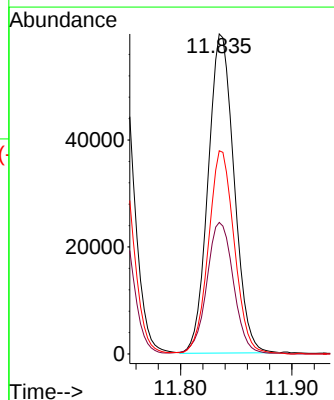
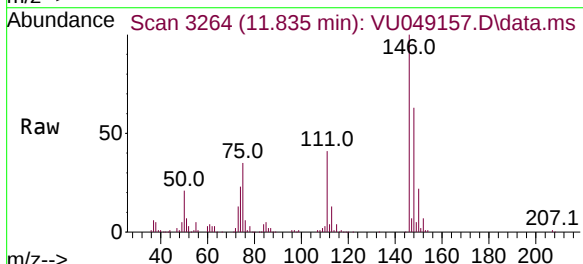
Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

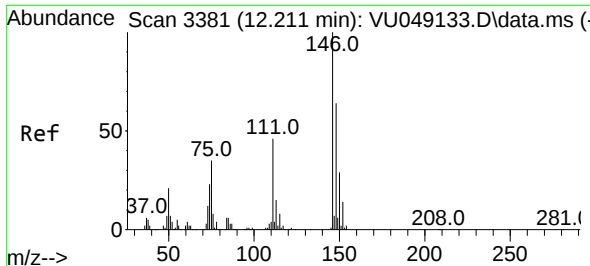
Tgt Ion:146 Resp: 98206
Ion Ratio Lower Upper
146 100
111 43.2 30.9 57.5
148 65.2 46.1 85.7



#65
1,4-Dichlorobenzene
Concen: 5.257 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion:146 Resp: 96732
Ion Ratio Lower Upper
146 100
111 41.1 29.8 55.4
148 63.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.175 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005113

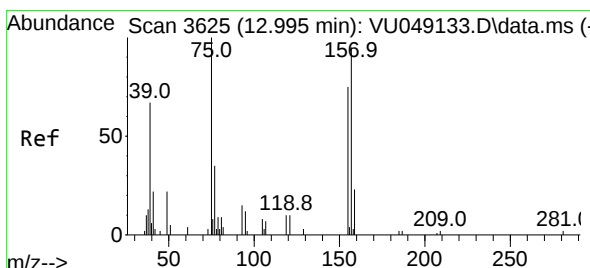
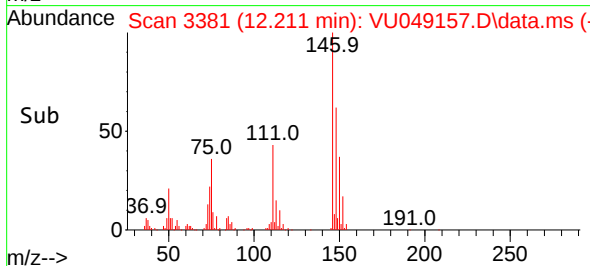
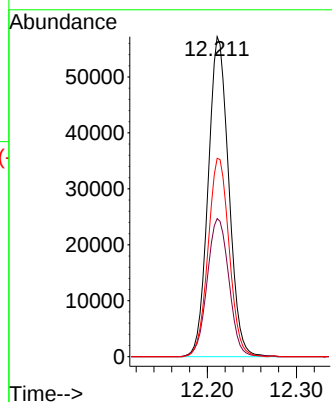
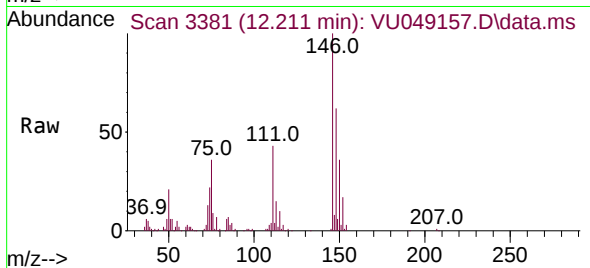
Tgt Ion:146 Resp: 91679

Ion Ratio Lower Upper

146 100

111 43.2 36.6 55.0

148 62.0 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.199 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

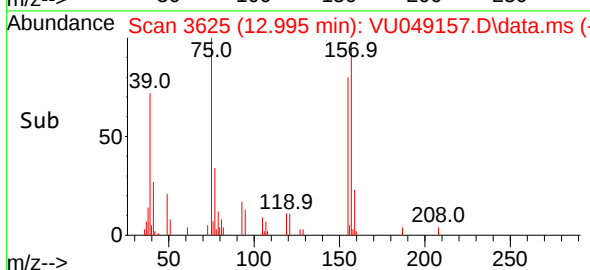
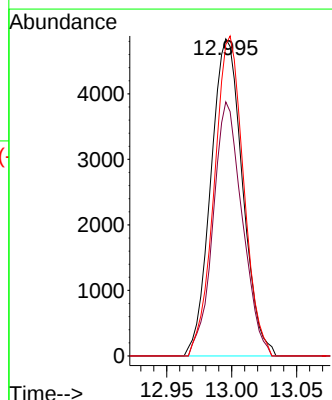
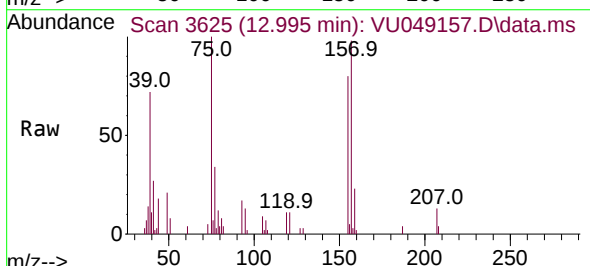
Tgt Ion: 75 Resp: 8201

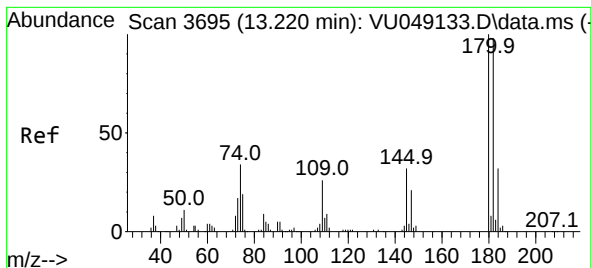
Ion Ratio Lower Upper

75 100

155 80.1 52.0 78.0#

157 98.2 71.4 107.2





#69

1,3,5-Trichlorobenzene

Concen: 5.297 ug/L

RT: 13.221 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005113

Tgt Ion:180 Resp: 73957

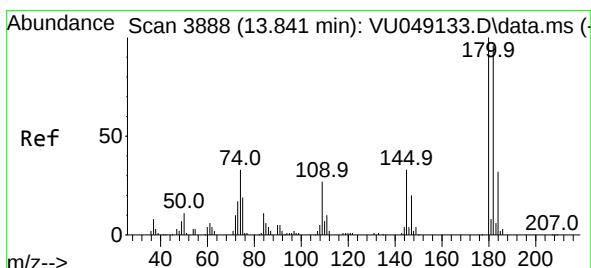
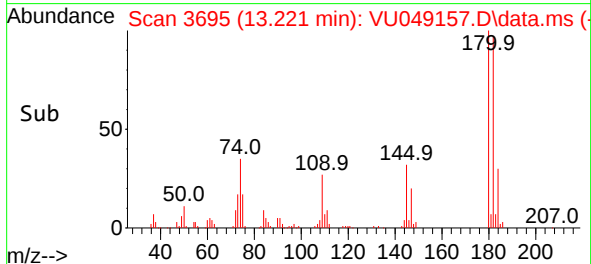
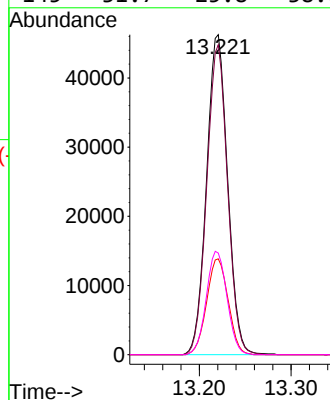
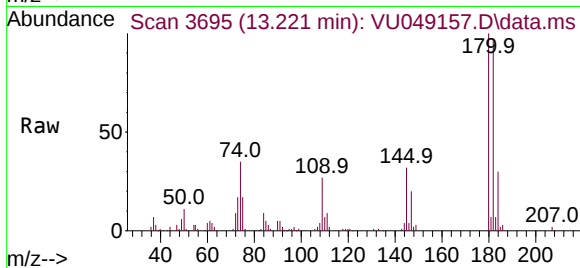
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.4

184 30.5 23.2 34.8

145 31.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 5.467 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU049157.D

Acq: 15 Jun 2022 09:21

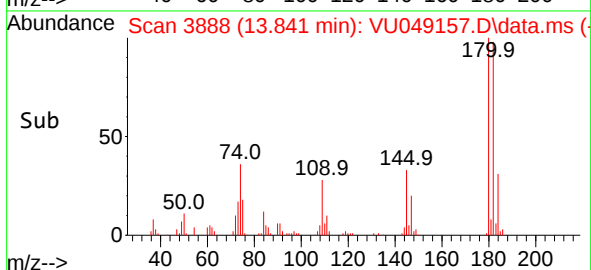
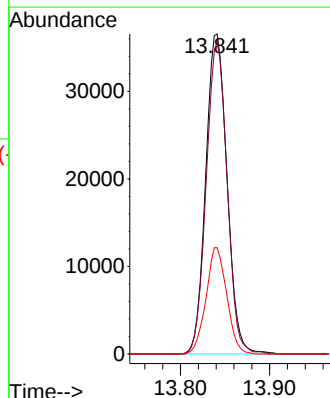
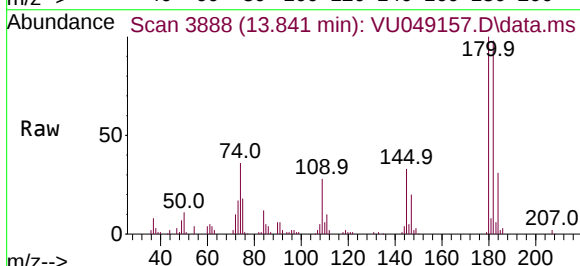
Tgt Ion:180 Resp: 60681

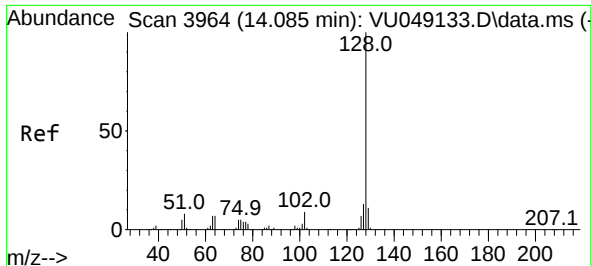
Ion Ratio Lower Upper

180 100

182 95.4 74.6 112.0

145 32.3 26.1 39.1

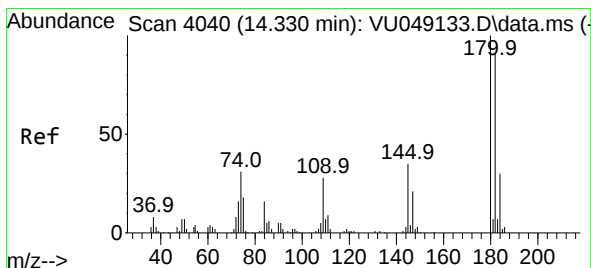
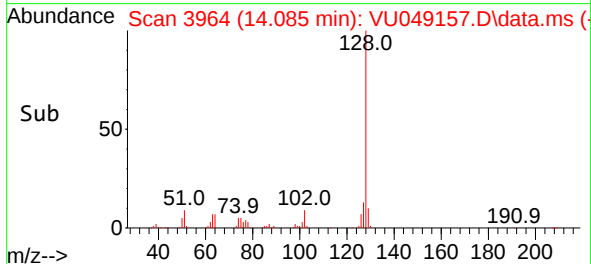
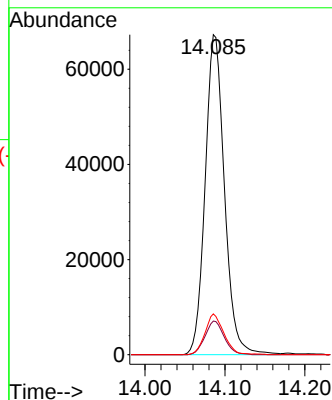
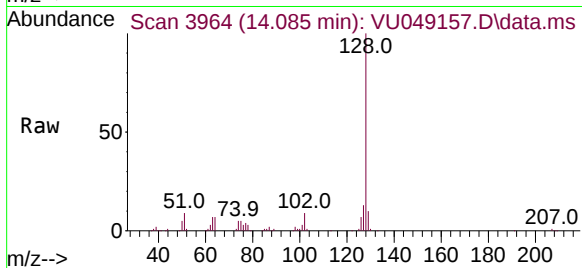




#71
Naphthalene
Concen: 5.123 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005113

Tgt Ion:128 Resp: 113006
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.386 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049157.D
Acq: 15 Jun 2022 09:21

Tgt Ion:180 Resp: 56212
Ion Ratio Lower Upper
180 100
182 94.1 75.6 113.4
145 34.6 27.9 41.9

