

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050222\
 Data File : VU048380.D
 Acq On : 02 May 2022 21:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: May 03 04:17:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 03 04:11:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	448574	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	469976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	276633	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	115058	27.893	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	55.780%#
7) Chloroethane-d5	1.877	69	94612	32.676	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.360%#
11) 1,1-Dichloroethene-d2	2.559	63	229367	34.703	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.400%
21) 2-Butanone-d5	4.623	46	305857	86.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.940%
24) Chloroform-d	5.063	84	308780	41.270	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.540%
26) 1,2-Dichloroethane-d4	5.700	65	190271	42.861	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.720%
32) Benzene-d6	5.726	84	607659	40.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.690	67	203455	41.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.040%
41) Toluene-d8	7.899	98	568457	42.310	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.620%
43) trans-1,3-Dichloroprop...	8.179	79	95040	43.953	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.900%
47) 2-Hexanone-d5	8.635	63	250325	94.682	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	395522	46.021	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.040%
66) 1,2-Dichlorobenzene-d4	12.195	152	279861	44.972	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	125907	37.146	ug/L	100
3) Chloromethane	1.520	50	130524	33.644	ug/L	100
5) Vinyl chloride	1.604	62	148210	37.910	ug/L	96
6) Bromomethane	1.829	94	59584	33.162	ug/L	98
8) Chloroethane	1.899	64	100134	45.298	ug/L	99
9) Trichlorofluoromethane	2.118	101	220931	43.363	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	142175	42.074	ug/L	99
12) 1,1-Dichloroethene	2.571	96	122038	41.374	ug/L	96
13) Acetone	2.629	43	172591	76.414	ug/L	100
14) Carbon disulfide	2.784	76	245468	34.146	ug/L	99
15) Methyl Acetate	2.944	43	188033	41.939	ug/L	98
16) Methylene chloride	3.041	84	170052	44.718	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	131521	42.922	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	495730	49.033	ug/L	99
19) 1,1-Dichloroethane	3.864	63	283031	44.170	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	171743	46.498	ug/L	96
22) 2-Butanone	4.703	43	290980	87.123	ug/L	95
23) Bromochloromethane	4.973	128	94059	45.612	ug/L	94
25) Chloroform	5.086	83	304830	46.587	ug/L	99

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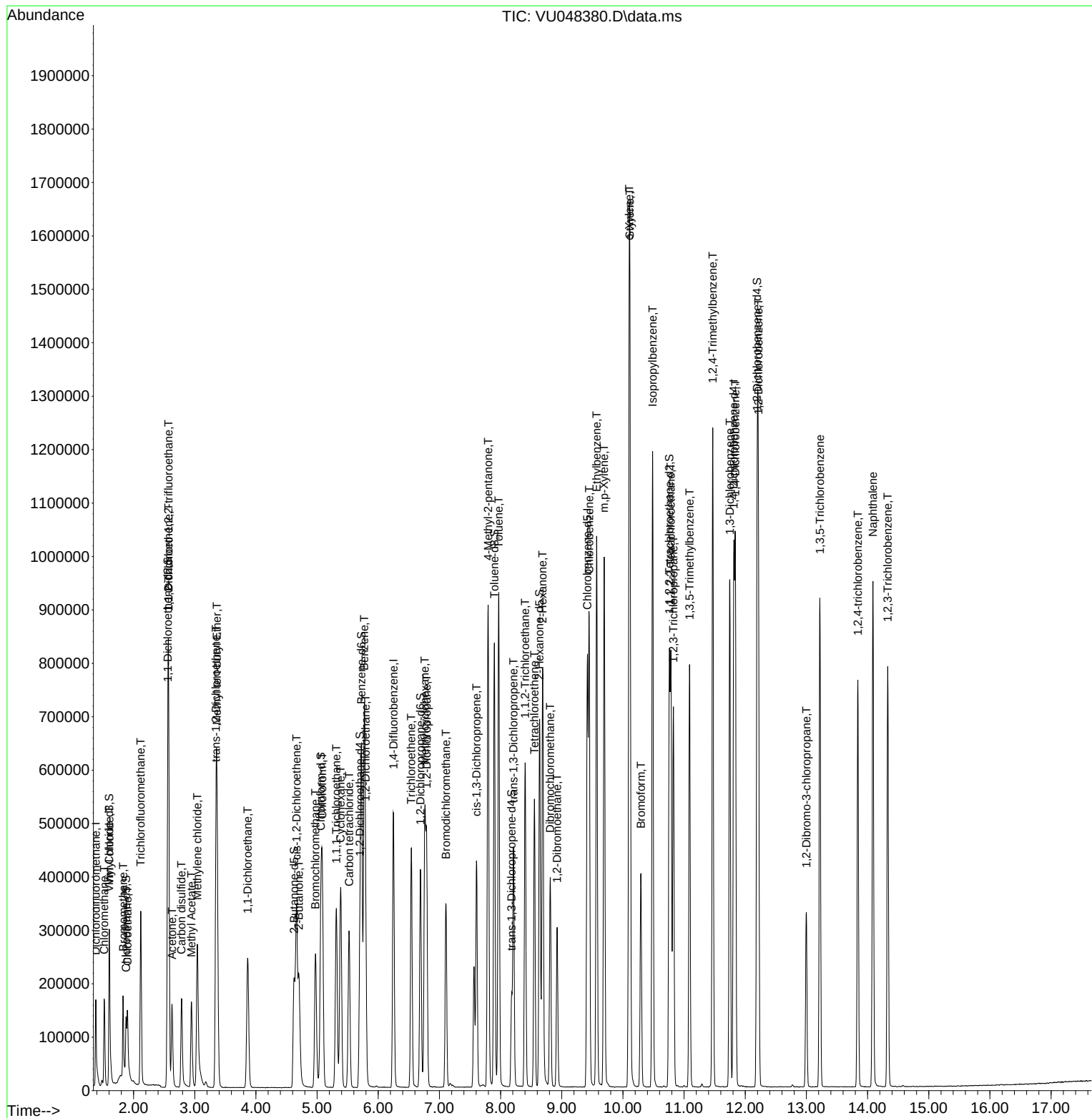
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	221012	46.308	ug/L	99
29) Cyclohexane	5.385	56	188905	42.541	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	244543	46.013	ug/L	100
31) Carbon tetrachloride	5.523	117	204802	45.212	ug/L	99
33) Benzene	5.771	78	633367	45.518	ug/L	100
34) Trichloroethene	6.539	95	155731	45.660	ug/L	98
35) Methylcyclohexane	6.761	83	208526	43.548	ug/L	97
37) 1,2-Dichloropropane	6.790	63	179021	45.219	ug/L	99
38) Bromodichloromethane	7.105	83	228831	45.769	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	255638	45.920	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	596835	99.953	ug/L	99
42) Toluene	7.970	91	685531	46.925	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	253723	46.653	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	199982	48.146	ug/L	98
46) Tetrachloroethene	8.552	164	129399	44.206	ug/L	99
48) 2-Hexanone	8.687	43	490348	98.339	ug/L	99
49) Dibromochloromethane	8.812	129	213750	46.831	ug/L	99
50) 1,2-Dibromoethane	8.925	107	199187	47.289	ug/L	98
51) Chlorobenzene	9.449	112	490077	46.540	ug/L	100
52) Ethylbenzene	9.571	91	737136	48.722	ug/L	99
53) m,p-Xylene	9.693	106	293345	49.133	ug/L	100
54) o-Xylene	10.102	106	310759	51.667	ug/L	99
55) Styrene	10.115	104	539457	52.648	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	403288	49.195	ug/L	99
59) Bromoform	10.295	173	190570	47.468	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	305094	47.276	ug/L	99
61) Isopropylbenzene	10.484	105	790724	51.122	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	429273	52.657	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	673710	53.752	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	414344	47.782	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	411397	46.471	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	434420	47.556	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	78501	45.567	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	310740	48.224	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	247023	48.525	ug/L	98
71) Naphthalene	14.089	128	776880	53.327	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	262427	50.302	ug/L	98

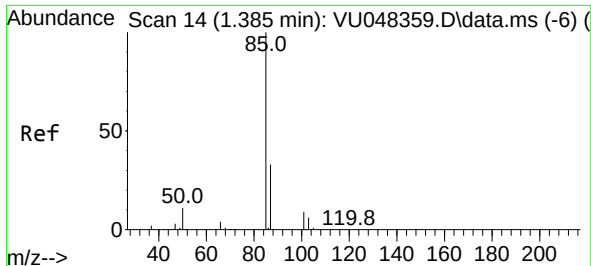
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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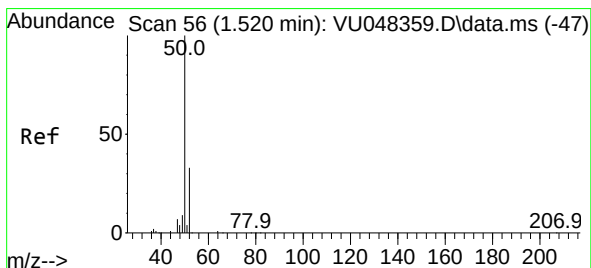
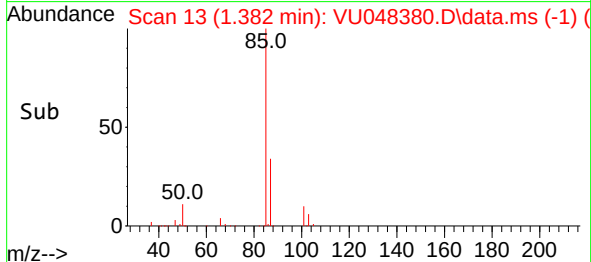
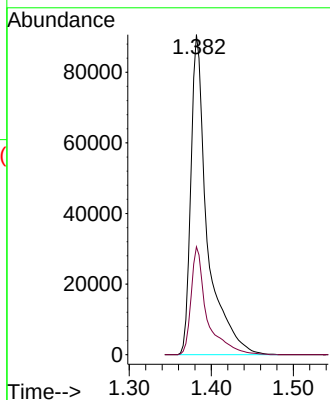
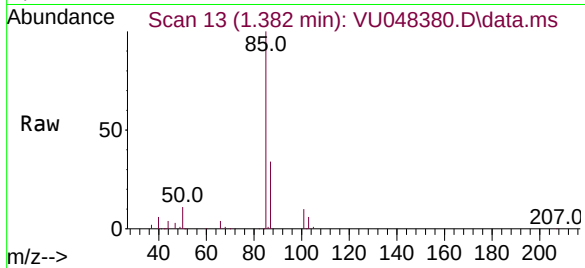




#2
 Dichlorodifluoromethane
 Concen: 37.146 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

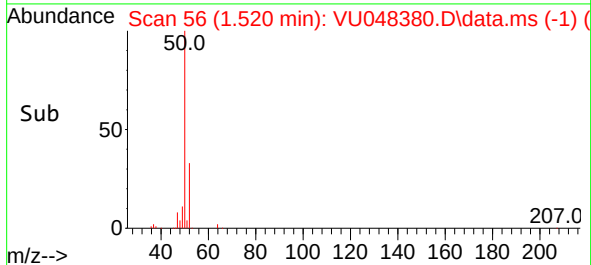
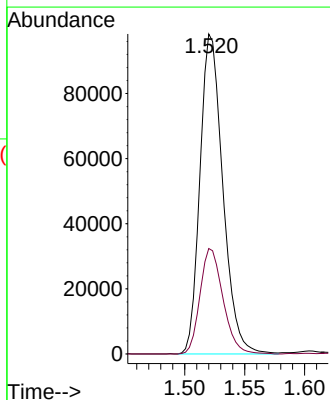
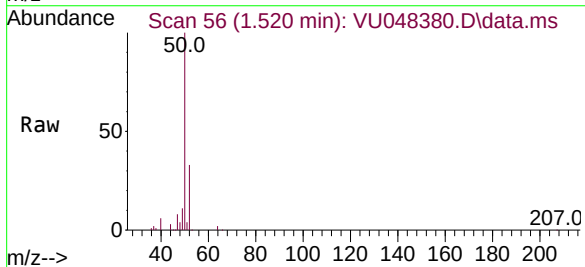
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

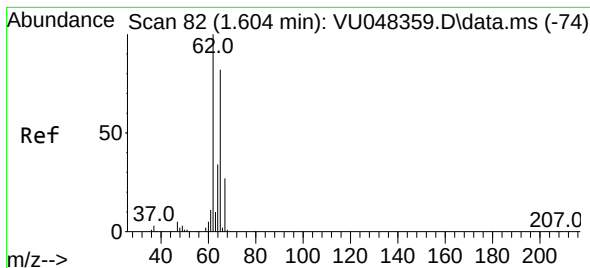
Tgt Ion: 85 Resp: 125907
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.1 39.1



#3
 Chloromethane
 Concen: 33.644 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

Tgt Ion: 50 Resp: 130524
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.2 43.2





#5

Vinyl chloride

Concen: 37.910 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

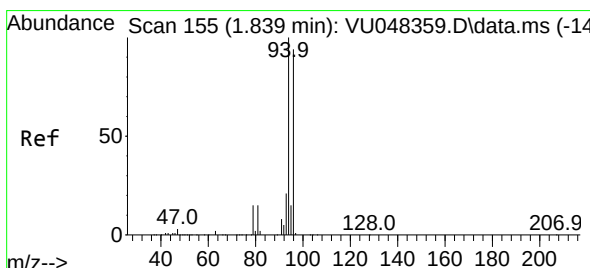
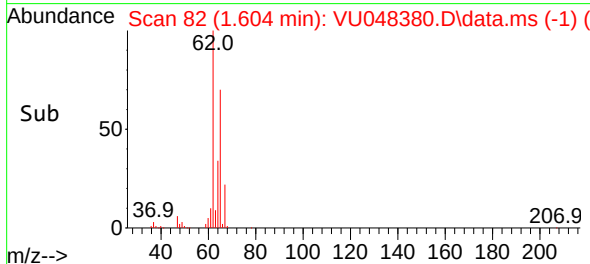
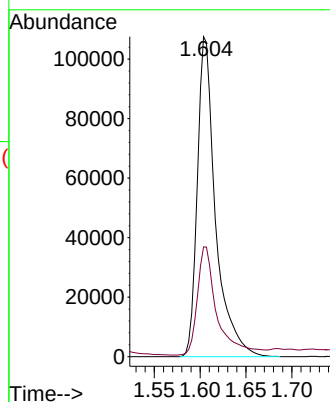
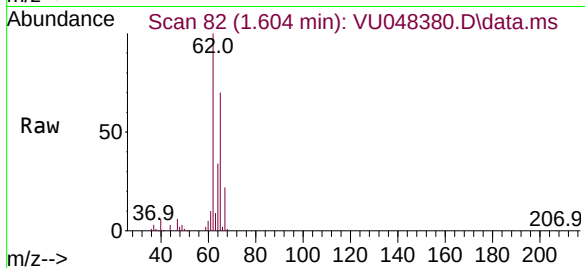
VSTD050110

Tgt Ion: 62 Resp: 148210

Ion Ratio Lower Upper

62 100

64 34.3 22.5 41.7



#6

Bromomethane

Concen: 33.162 ug/L

RT: 1.829 min Scan# 152

Delta R.T. -0.010 min

Lab File: VU048380.D

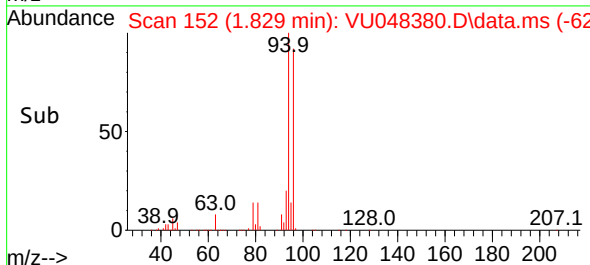
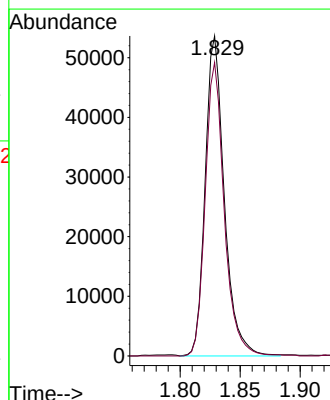
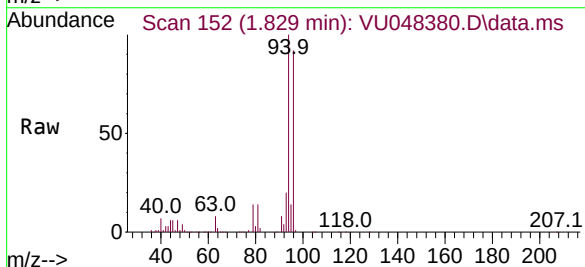
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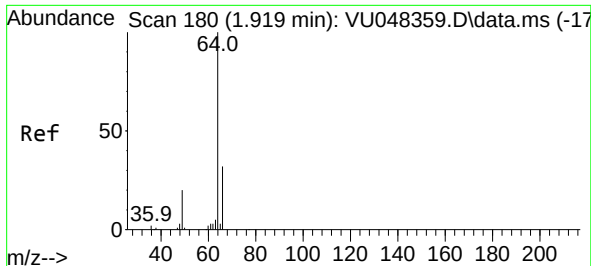
Tgt Ion: 94 Resp: 59584

Ion Ratio Lower Upper

94 100

96 91.7 65.8 122.2

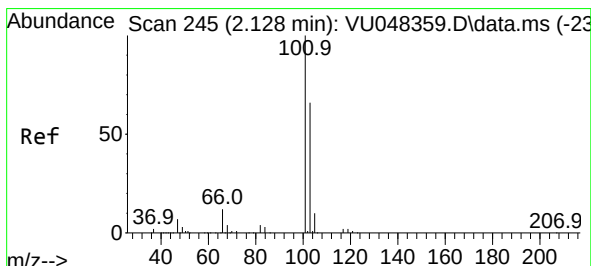
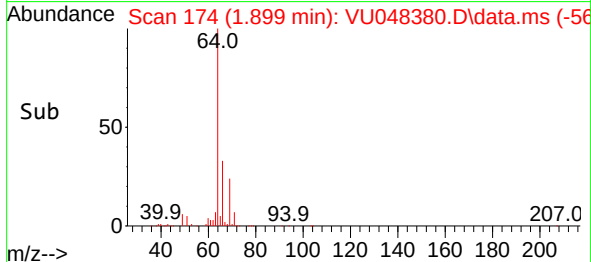
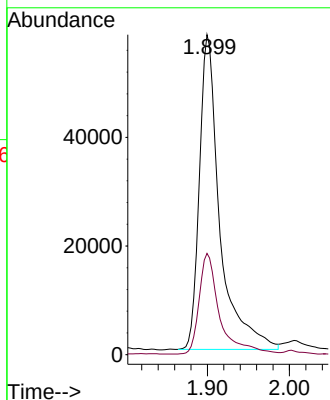
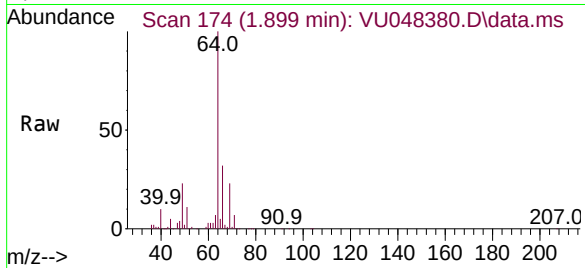




#8
Chloroethane
Concen: 45.298 ug/L
RT: 1.899 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

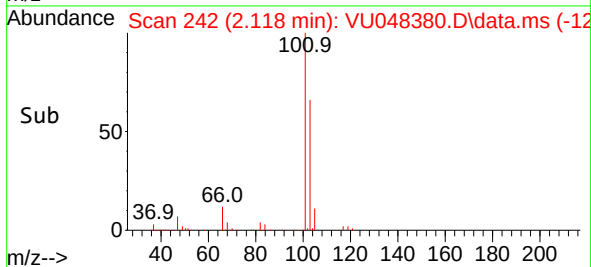
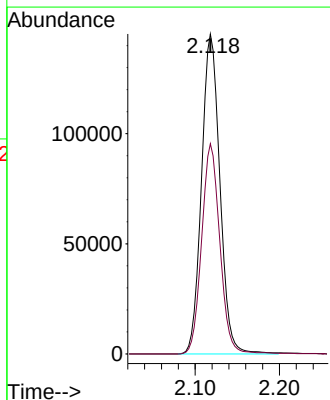
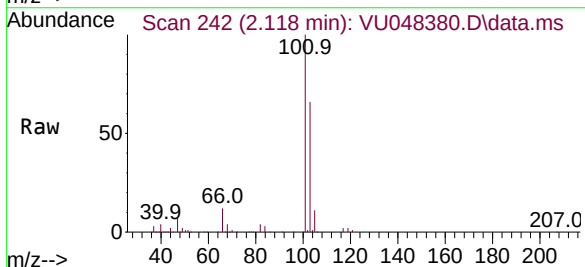
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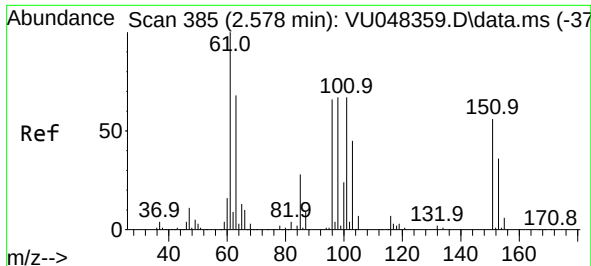
Tgt Ion: 64 Resp: 100134
Ion Ratio Lower Upper
64 100
66 31.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 43.363 ug/L
RT: 2.118 min Scan# 242
Delta R.T. -0.010 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion:101 Resp: 220931
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

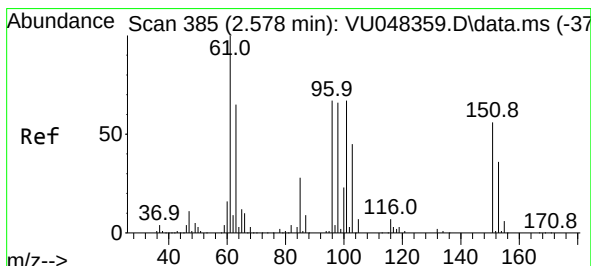
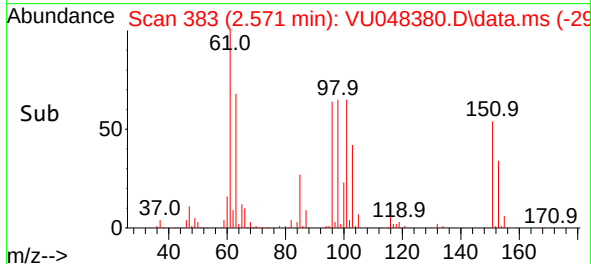
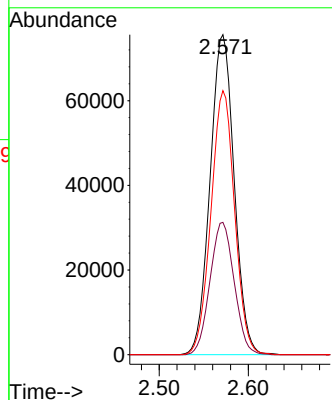
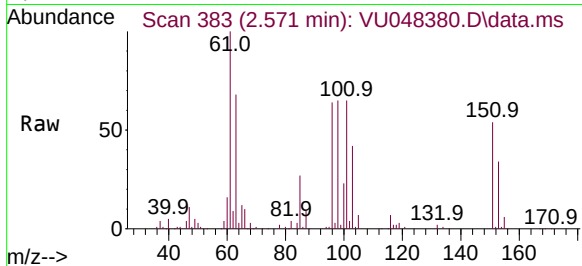




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.074 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.007 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

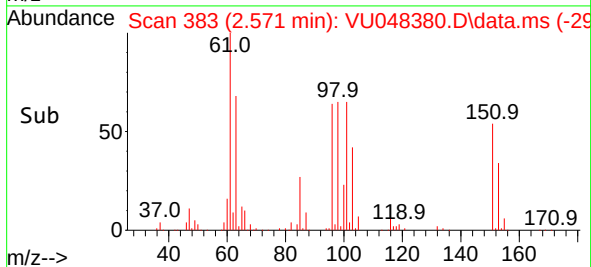
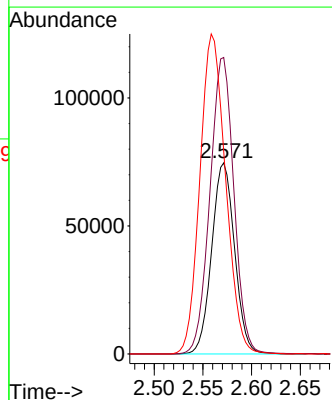
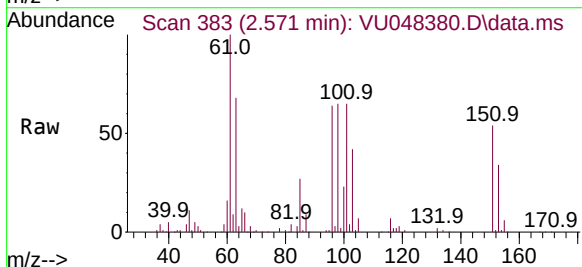
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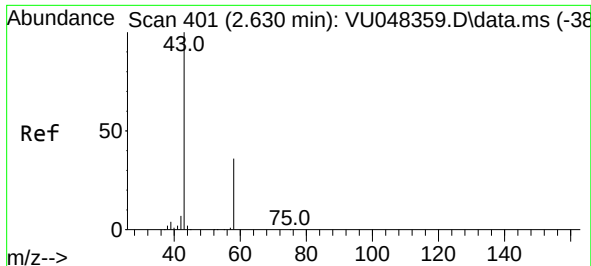
Tgt Ion:101 Resp: 142175
 Ion Ratio Lower Upper
 101 100
 85 41.4 32.6 48.8
 151 81.1 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 41.374 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.007 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

Tgt Ion: 96 Resp: 122038
 Ion Ratio Lower Upper
 96 100
 61 155.2 107.9 200.3
 63 106.0 80.3 149.1





#13

Acetone

Concen: 76.414 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

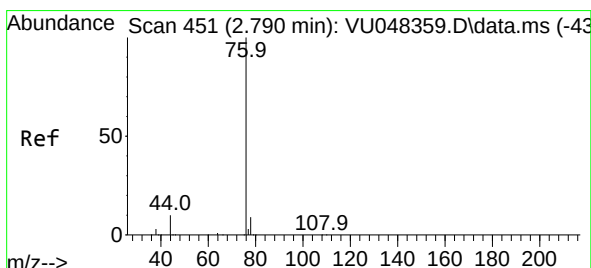
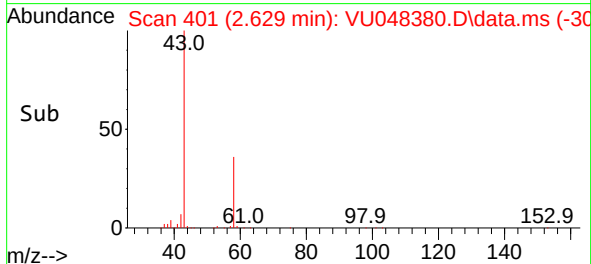
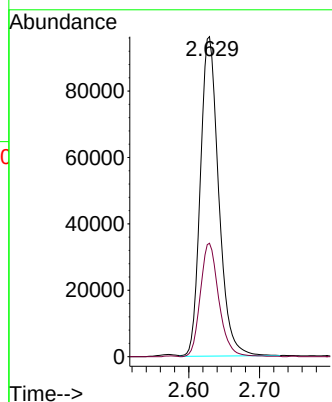
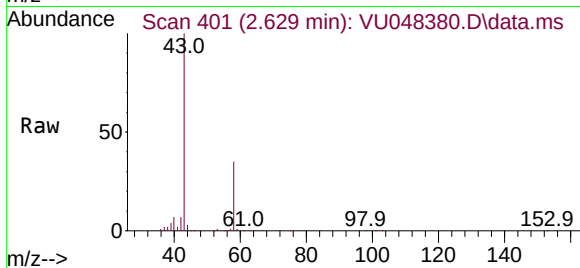
VSTD050110

Tgt Ion: 43 Resp: 172591

Ion Ratio Lower Upper

43 100

58 35.9 0.0 71.2



#14

Carbon disulfide

Concen: 34.146 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.007 min

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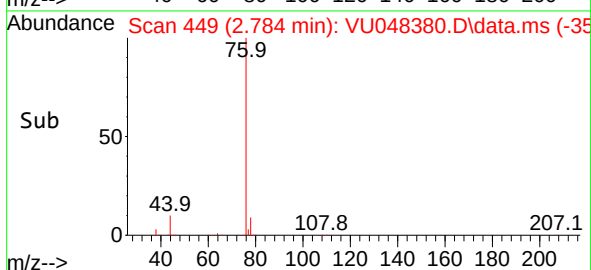
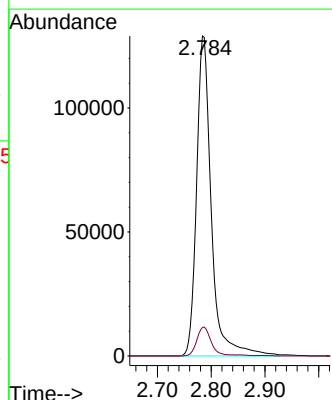
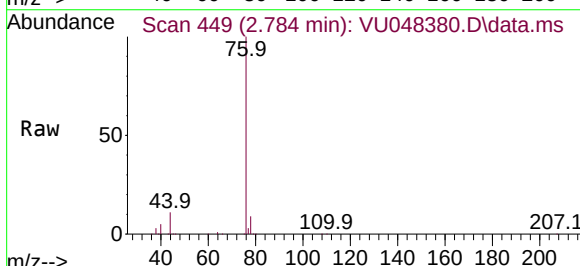
Acq: 02 May 2022 21:06

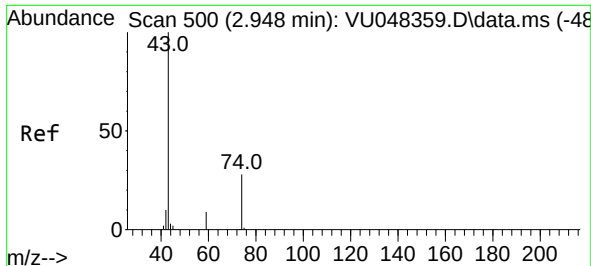
Tgt Ion: 76 Resp: 245468

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

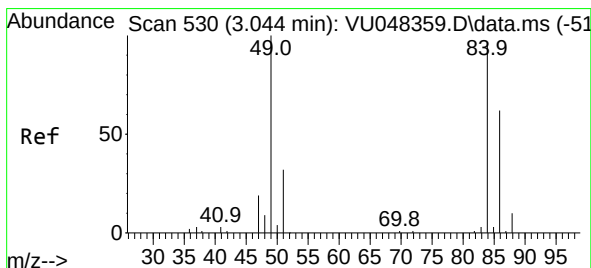
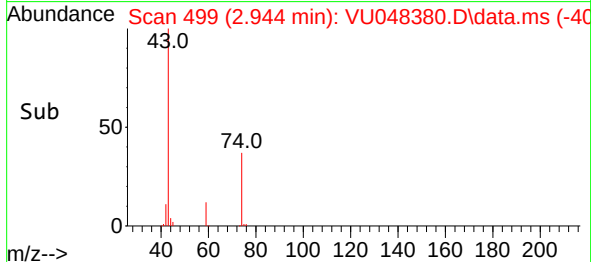
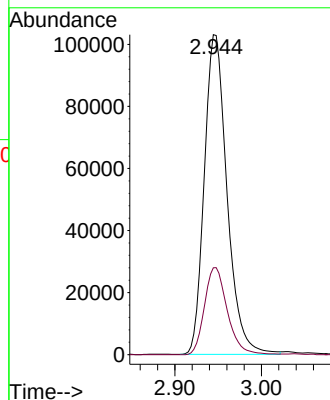
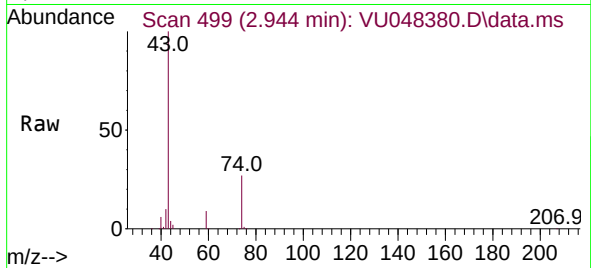




#15
Methyl Acetate
Concen: 41.939 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

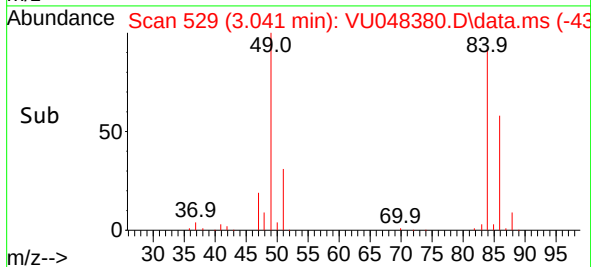
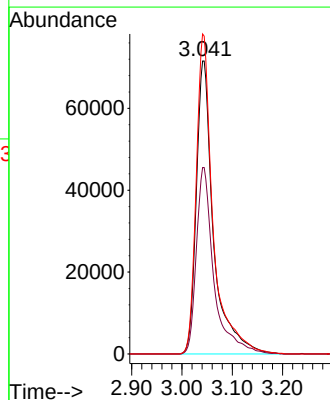
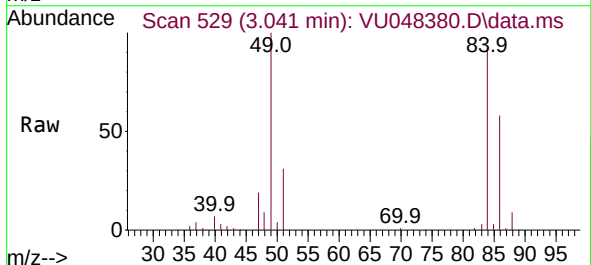
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

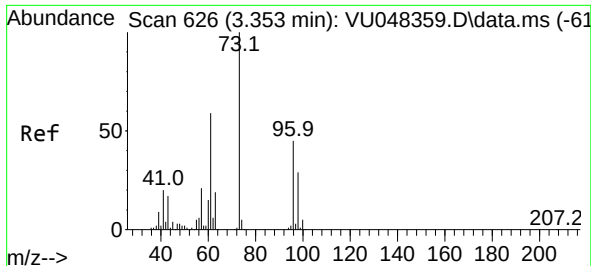
Tgt Ion: 43 Resp: 188033
Ion Ratio Lower Upper
43 100
74 27.4 21.0 31.6



#16
Methylene chloride
Concen: 44.718 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 84 Resp: 170052
Ion Ratio Lower Upper
84 100
86 63.6 45.4 84.2
49 109.2 79.2 147.0

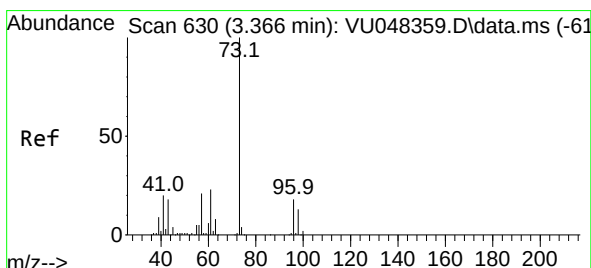
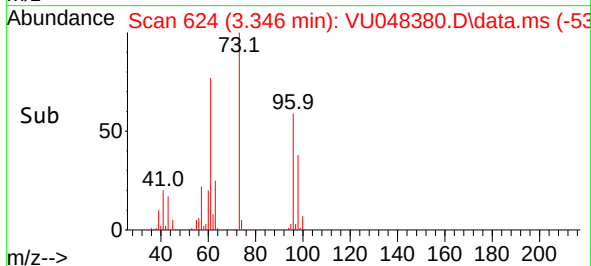
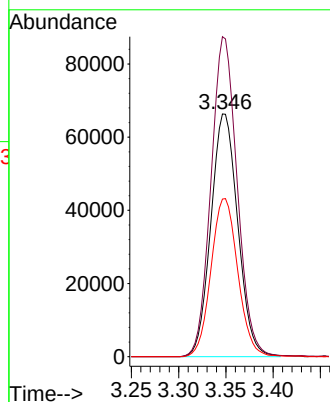
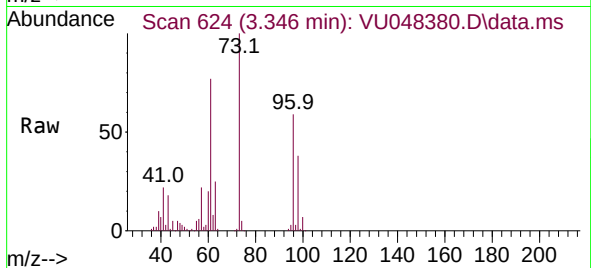




#17
trans-1,2-Dichloroethene
Concen: 42.922 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

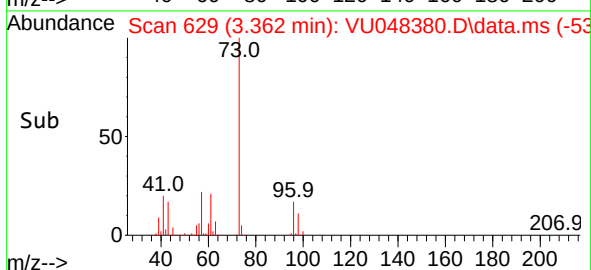
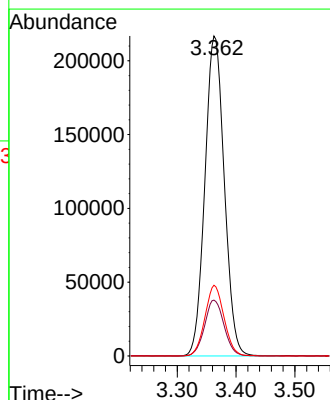
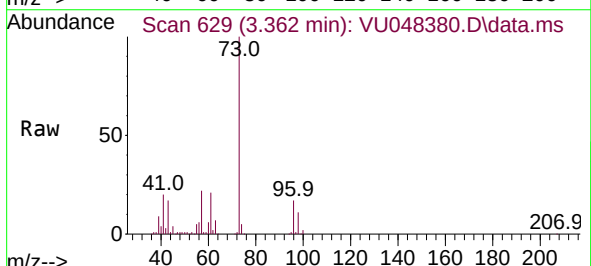
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

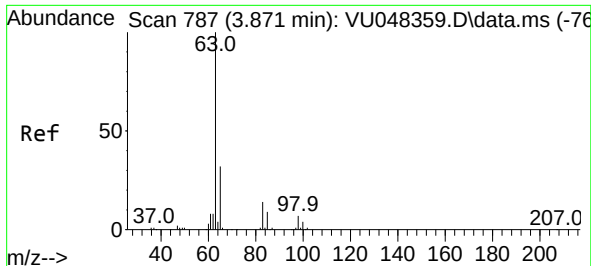
Tgt Ion: 96 Resp: 131521
Ion Ratio Lower Upper
96 100
61 131.8 95.2 176.8
98 65.0 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 49.033 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 73 Resp: 495730
Ion Ratio Lower Upper
73 100
43 17.6 13.8 20.6
57 21.8 17.9 26.9

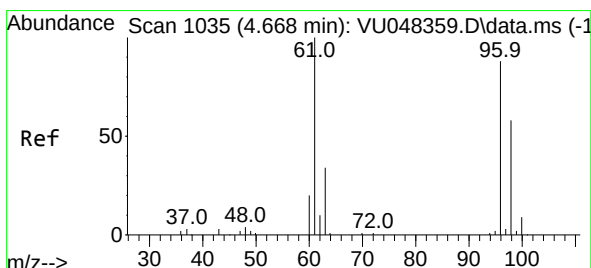
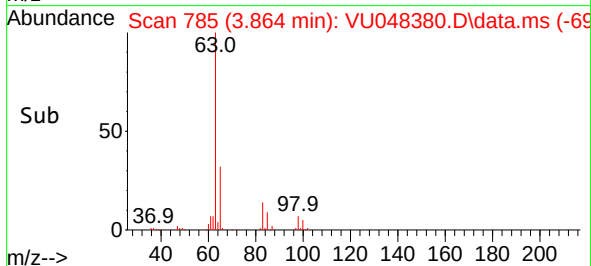
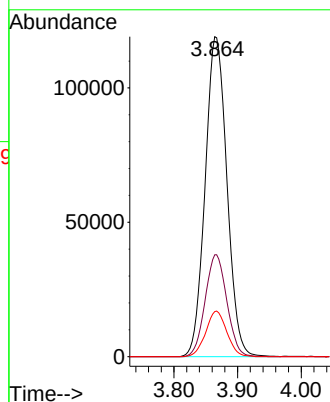
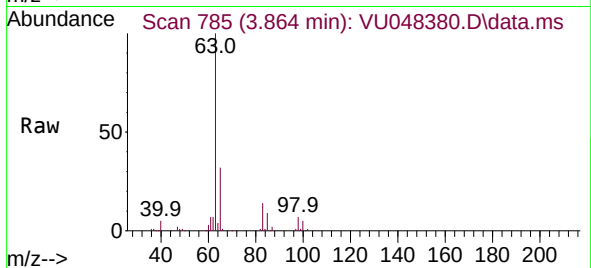




#19
1,1-Dichloroethane
Concen: 44.170 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.007 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

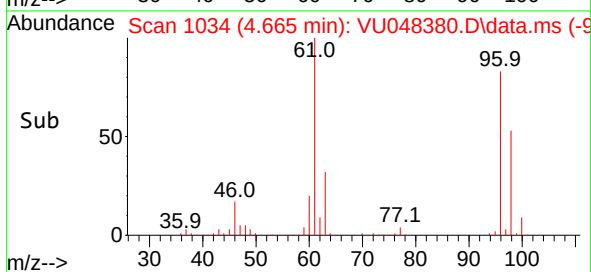
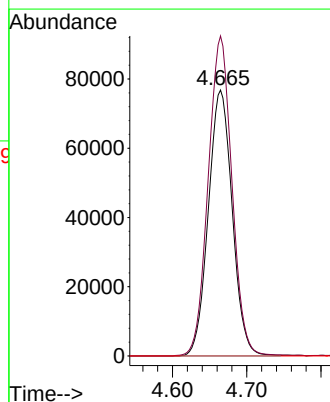
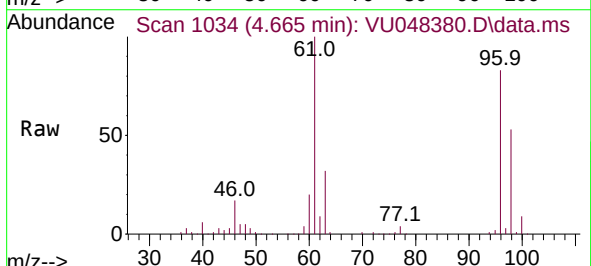
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

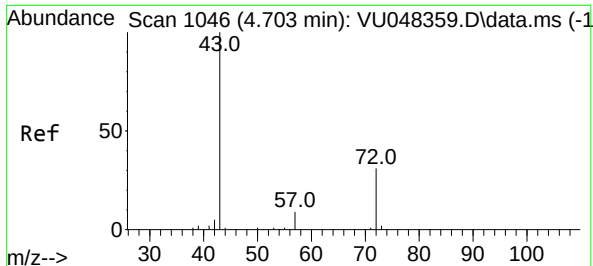
Tgt Ion: 63 Resp: 283031
Ion Ratio Lower Upper
63 100
65 31.9 22.0 40.8
83 14.1 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 46.498 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 96 Resp: 171743
Ion Ratio Lower Upper
96 100
61 120.3 87.0 161.6
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 87.123 ug/L

RT: 4.703 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

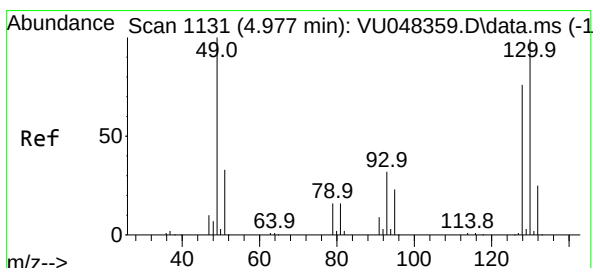
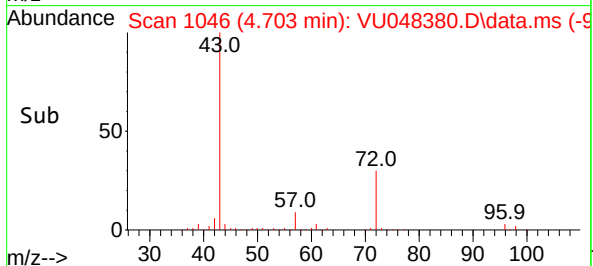
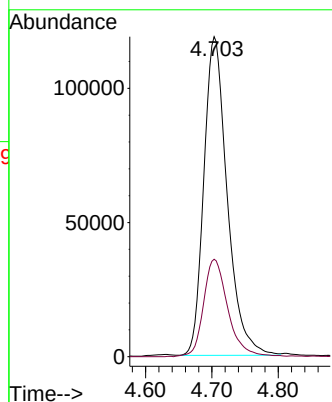
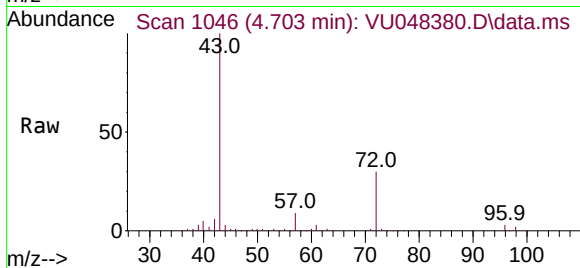
VSTD050110

Tgt Ion: 43 Resp: 290980

Ion Ratio Lower Upper

43 100

72 31.7 14.6 43.8



#23

Bromochloromethane

Concen: 45.612 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Tgt Ion: 128 Resp: 94059

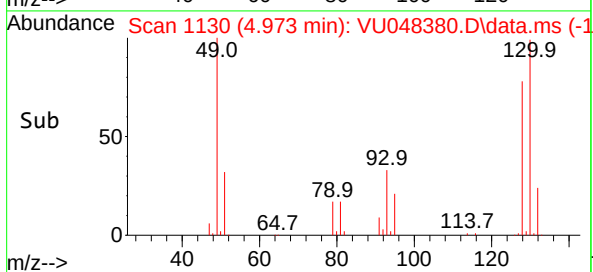
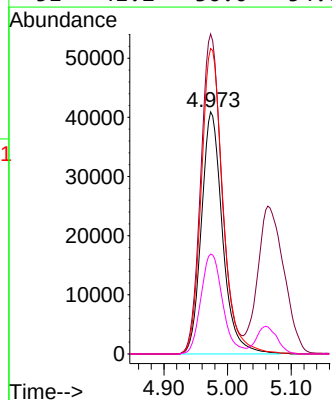
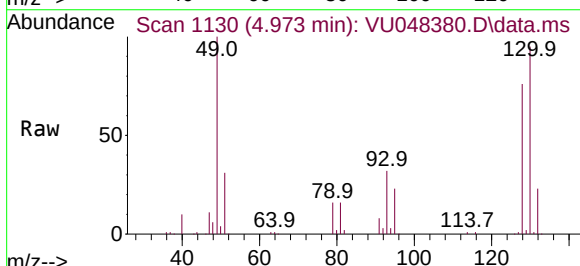
Ion Ratio Lower Upper

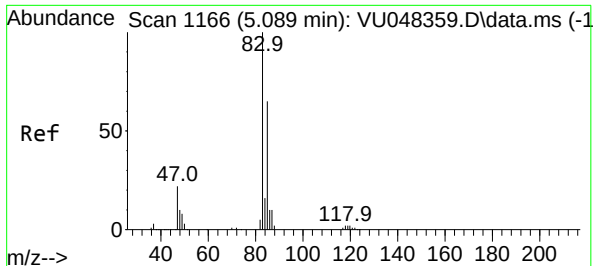
128 100

49 132.2 101.3 188.1

130 126.2 89.0 165.2

51 41.2 36.0 54.0





#25

Chloroform

Concen: 46.587 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

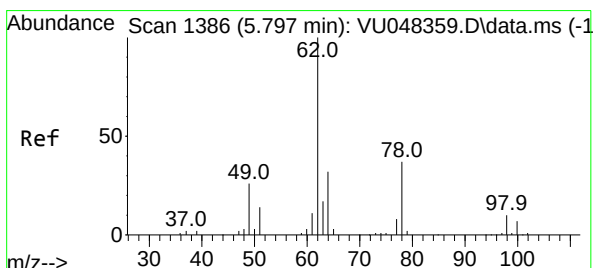
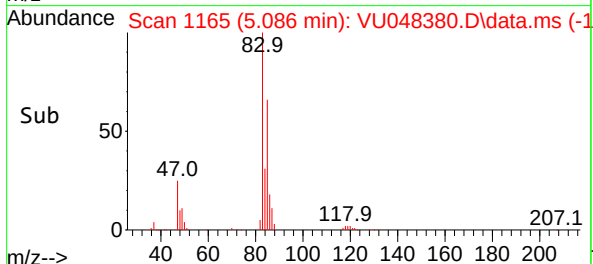
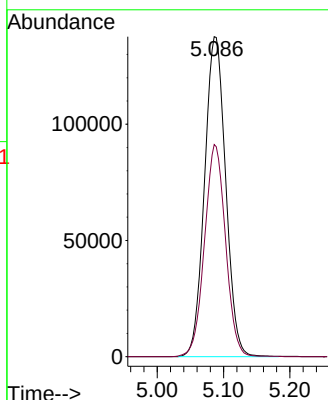
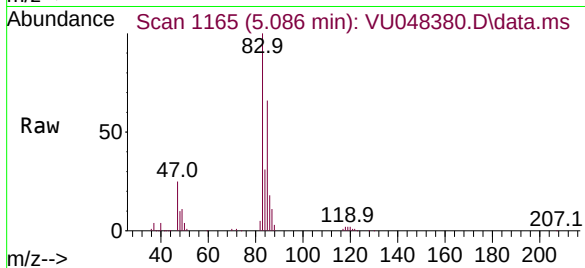
VSTD050110

Tgt Ion: 83 Resp: 304830

Ion Ratio Lower Upper

83 100

85 66.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 46.308 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048380.D

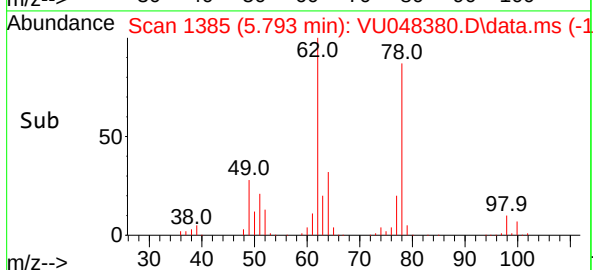
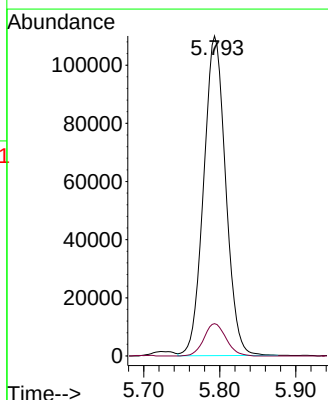
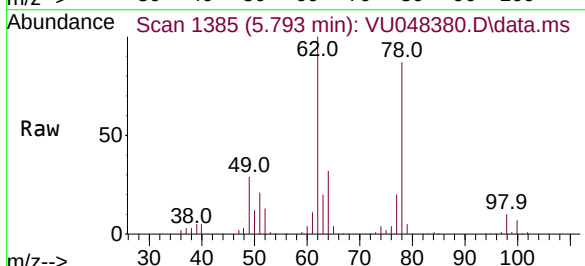
Acq: 02 May 2022 21:06

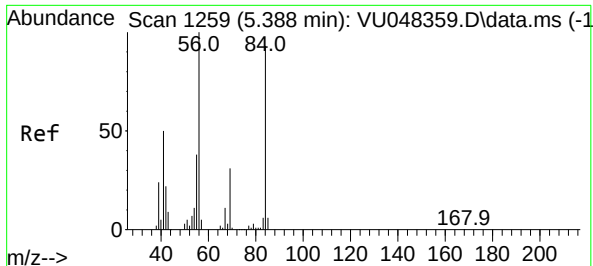
Tgt Ion: 62 Resp: 221012

Ion Ratio Lower Upper

62 100

98 10.1 8.5 12.7





#29

Cyclohexane

Concen: 42.541 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

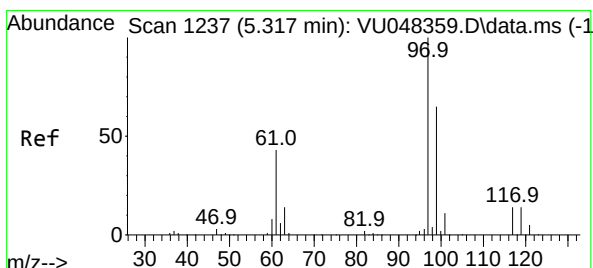
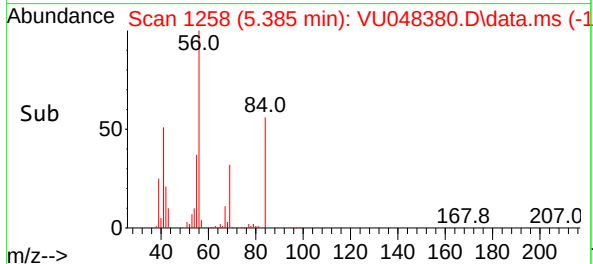
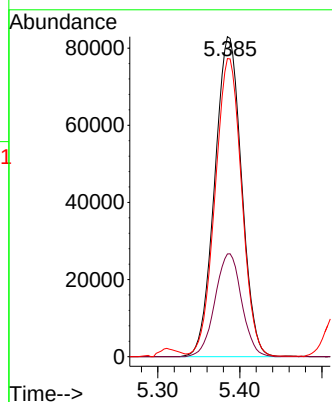
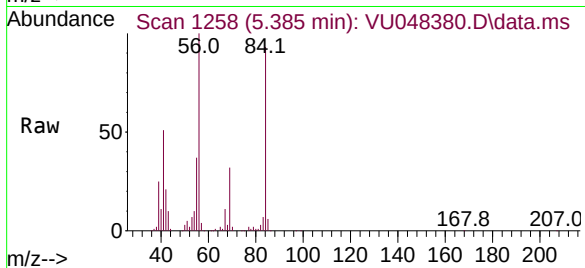
Tgt Ion: 56 Resp: 188905

Ion Ratio Lower Upper

56 100

69 31.8 24.2 36.4

84 92.5 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 46.013 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

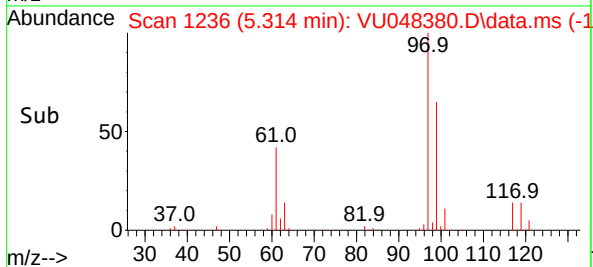
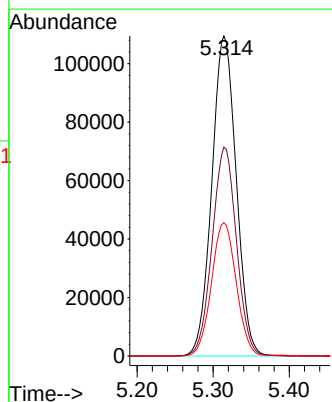
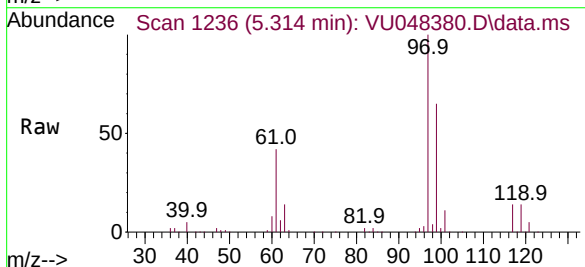
Tgt Ion: 97 Resp: 244543

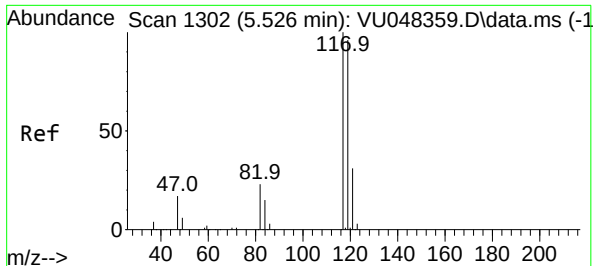
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 42.2 33.9 50.9

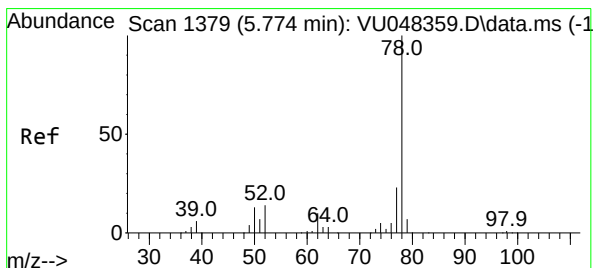
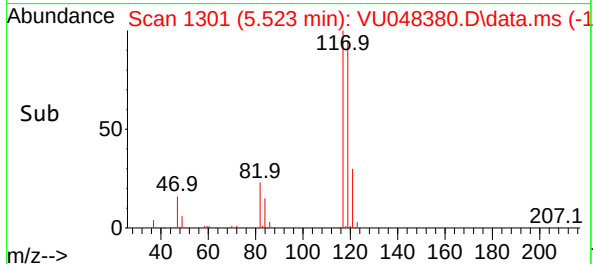
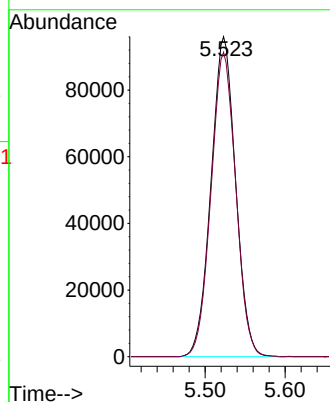
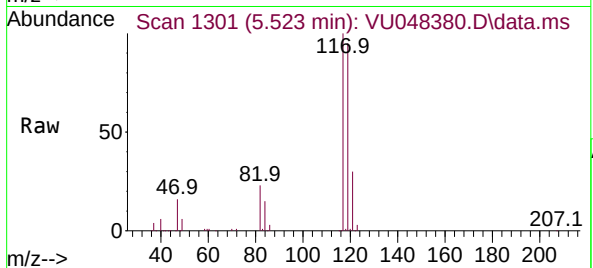




#31
Carbon tetrachloride
Concen: 45.212 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

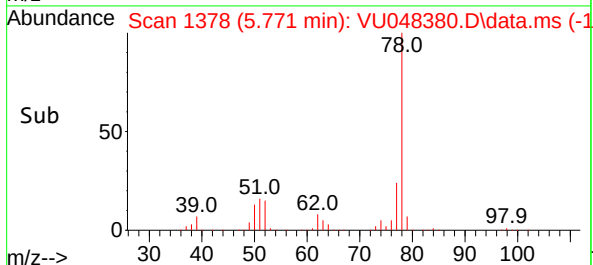
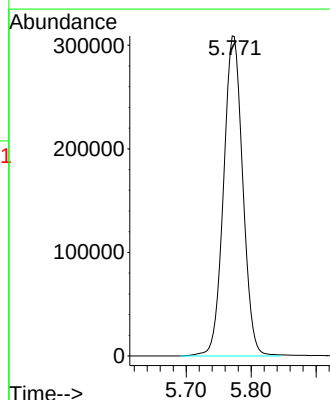
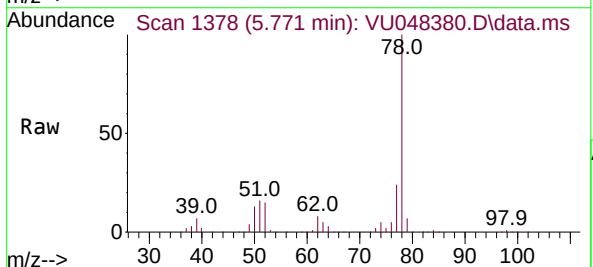
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

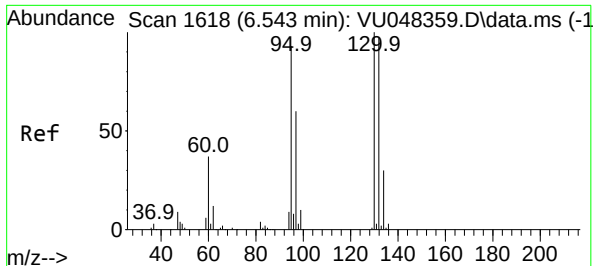
Tgt Ion:117 Resp: 204802
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7



#33
Benzene
Concen: 45.518 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 78 Resp: 633367

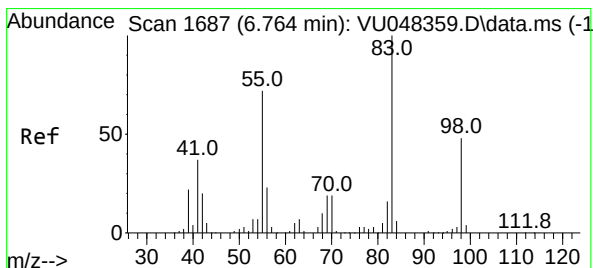
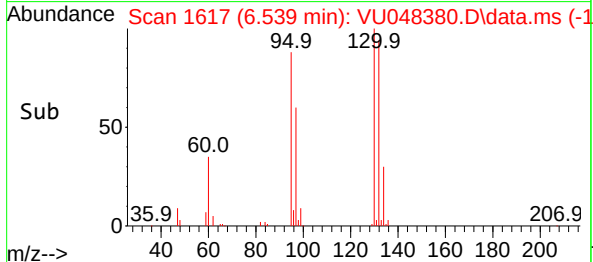
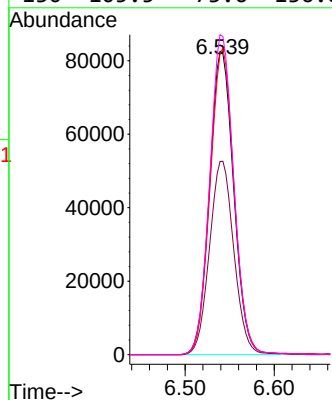
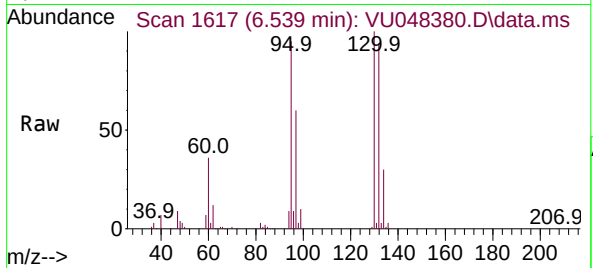




#34
Trichloroethene
Concen: 45.660 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

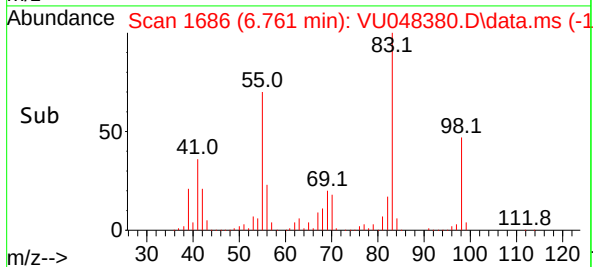
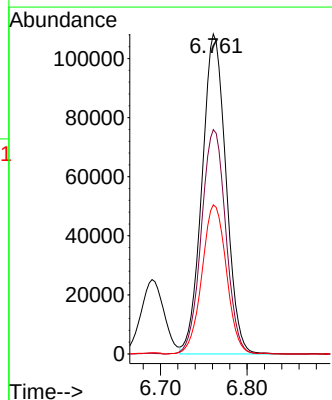
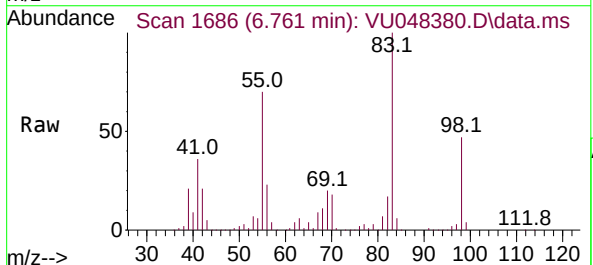
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

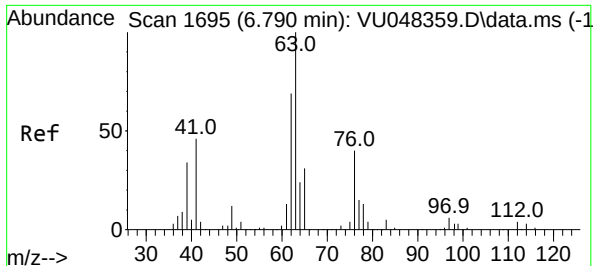
Tgt Ion: 95 Resp: 155731
Ion Ratio Lower Upper
95 100
97 63.7 45.8 85.2
132 99.2 71.6 133.0
130 105.5 73.6 136.8



#35
Methylcyclohexane
Concen: 43.548 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 83 Resp: 208526
Ion Ratio Lower Upper
83 100
55 71.1 59.4 89.2
98 47.5 37.3 55.9





#37

1,2-Dichloropropane

Concen: 45.219 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

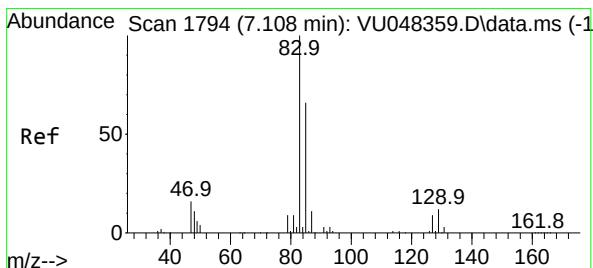
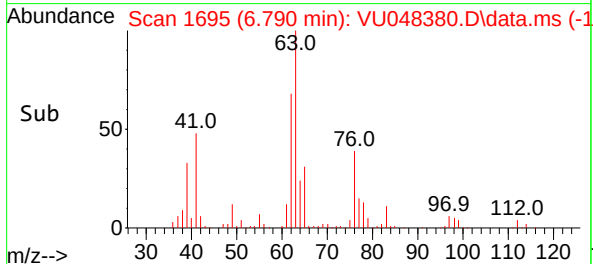
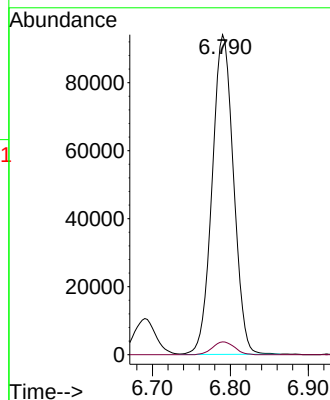
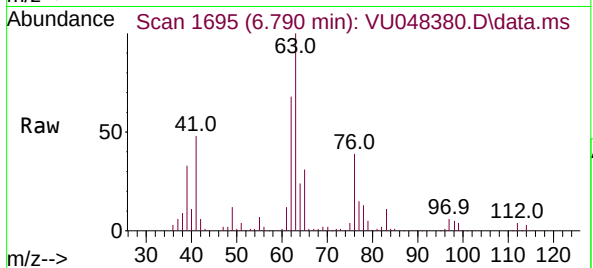
VSTD050110

Tgt Ion: 63 Resp: 179021

Ion Ratio Lower Upper

63 100

112 4.1 3.1 4.7



#38

Bromodichloromethane

Concen: 45.769 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

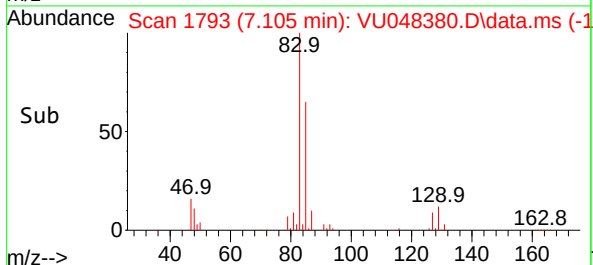
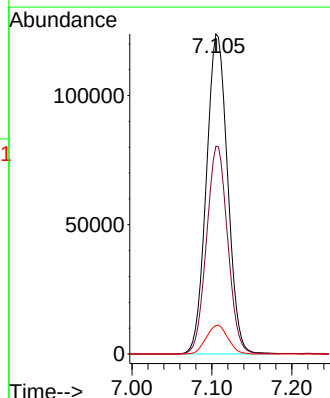
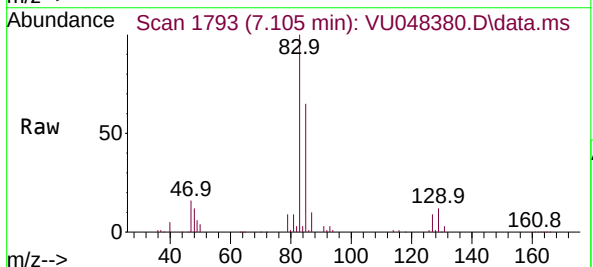
Tgt Ion: 83 Resp: 228831

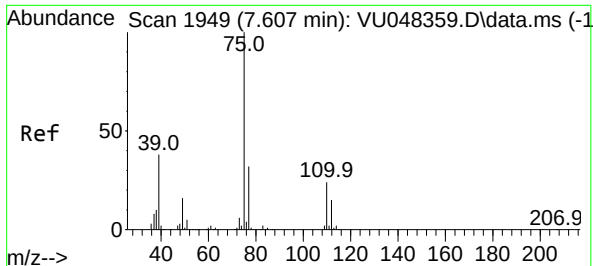
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 45.920 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

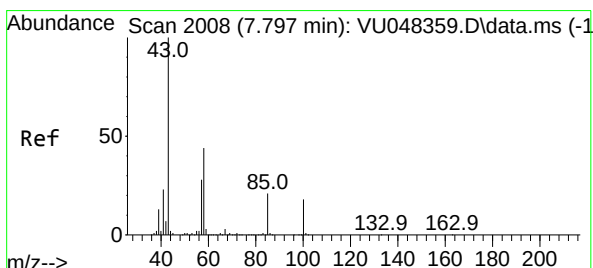
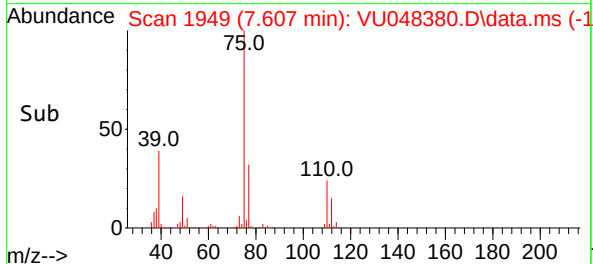
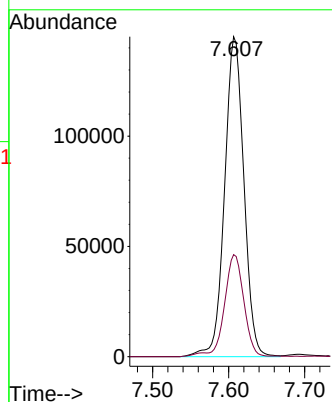
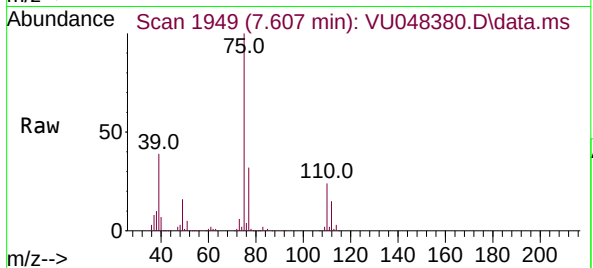
VSTD050110

Tgt Ion: 75 Resp: 255638

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 99.953 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

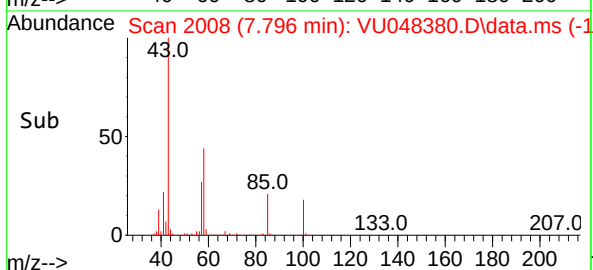
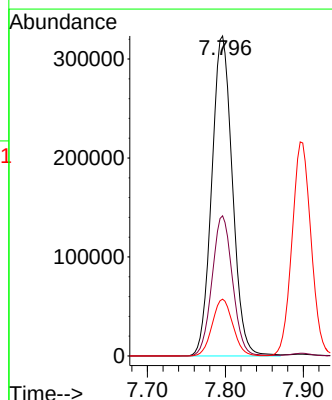
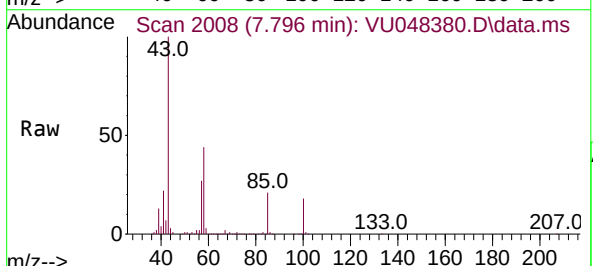
Tgt Ion: 43 Resp: 596835

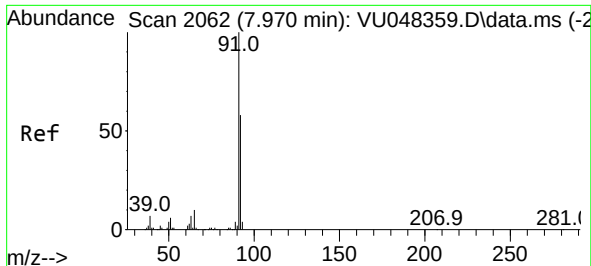
Ion Ratio Lower Upper

43 100

58 43.5 34.4 51.6

100 17.7 13.6 20.4





#42

Toluene

Concen: 46.925 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

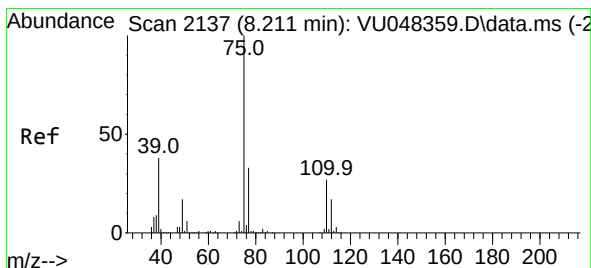
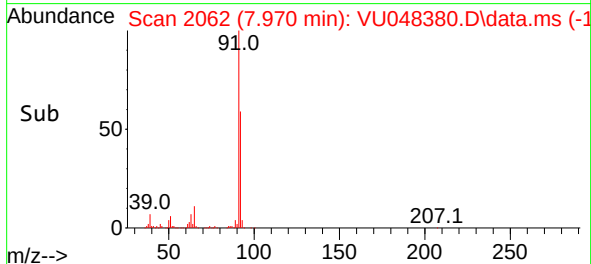
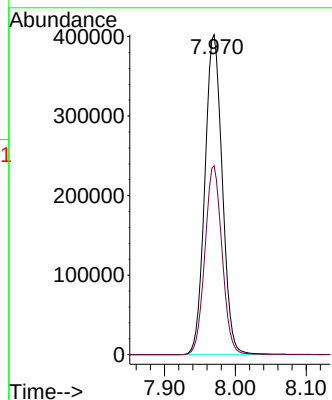
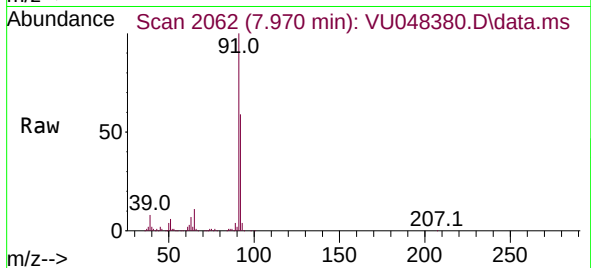
VSTD050110

Tgt Ion: 91 Resp: 685531

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 46.653 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048380.D

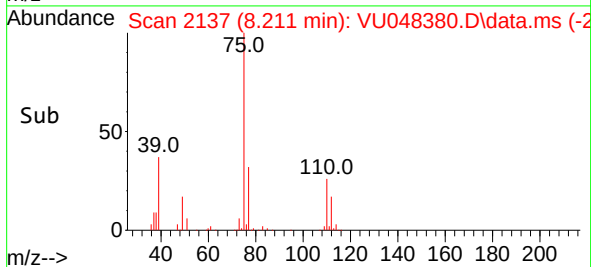
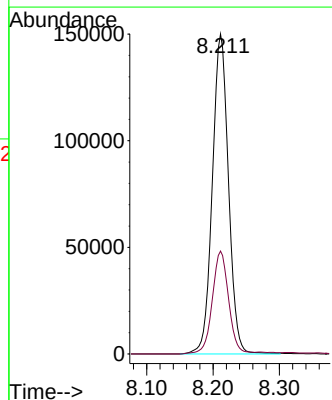
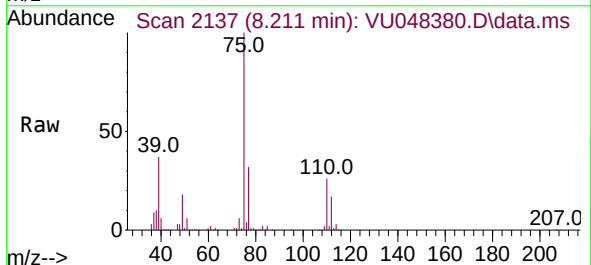
Acq: 02 May 2022 21:06

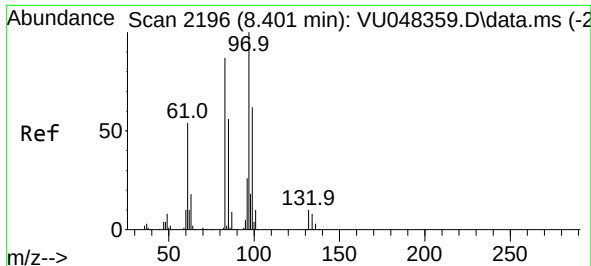
Tgt Ion: 75 Resp: 253723

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1

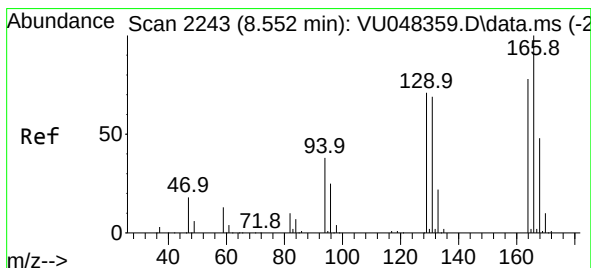
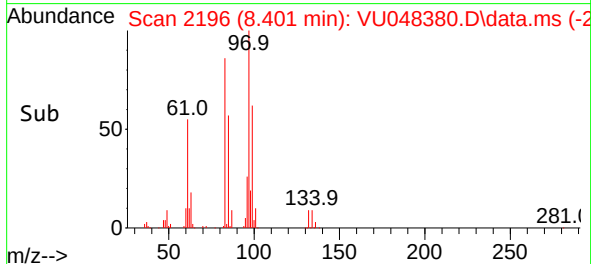
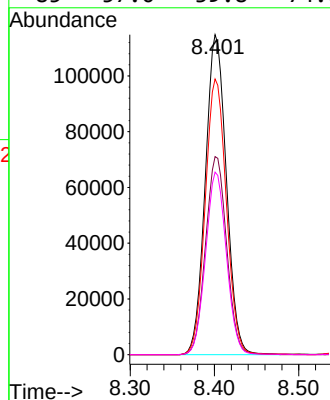
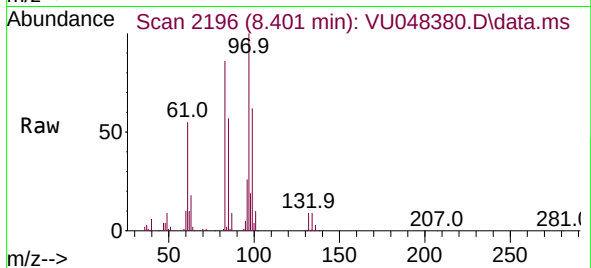




#45
1,1,2-Trichloroethane
Concen: 48.146 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

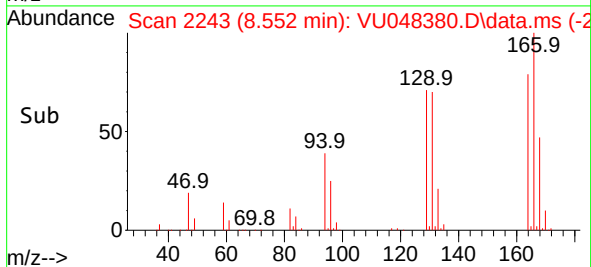
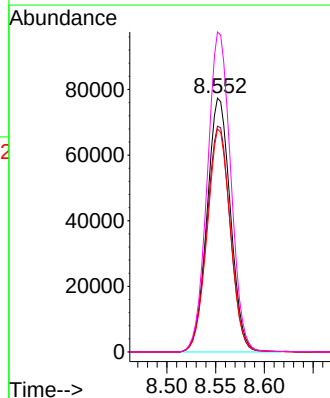
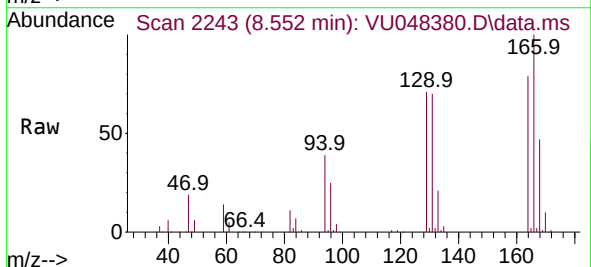
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

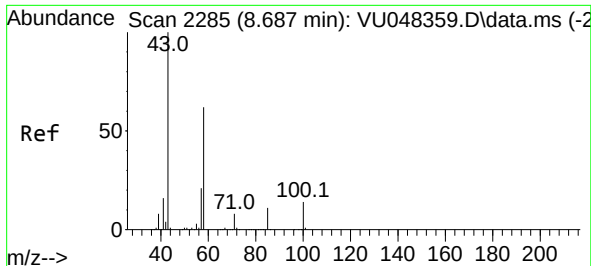
Tgt Ion:	97	Resp:	199982
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.7	81.1
83	86.2	62.6	116.2
85	57.0	39.8	74.0



#46
Tetrachloroethene
Concen: 44.206 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion:	164	Resp:	129399
Ion	Ratio	Lower	Upper
164	100		
129	88.9	63.3	117.7
131	87.8	61.2	113.6
166	126.0	88.9	165.1

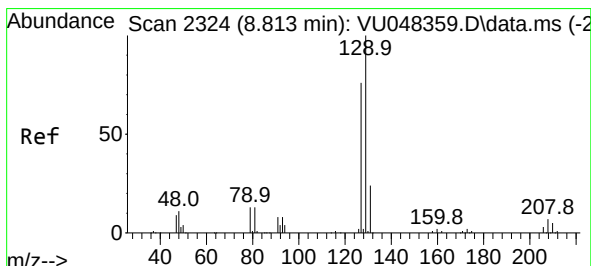
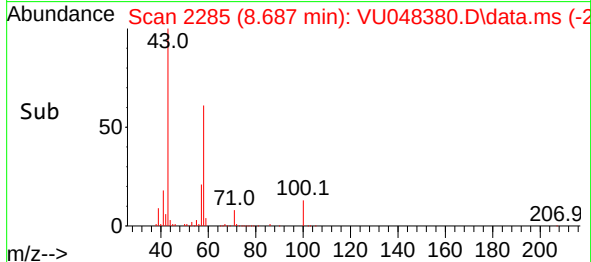
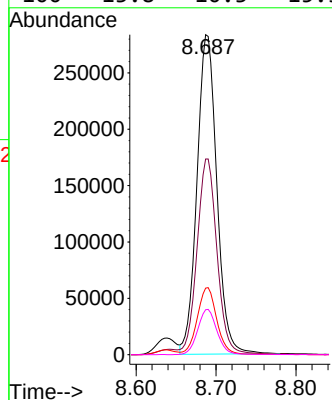
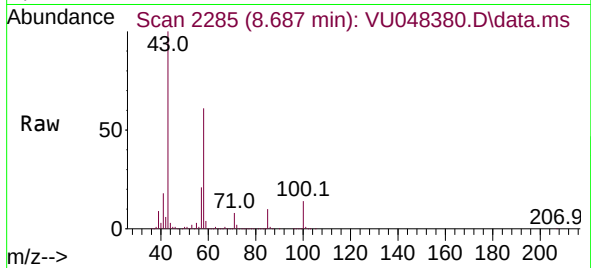




#48
2-Hexanone
Concen: 98.339 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

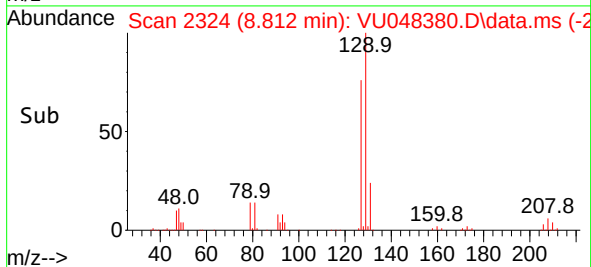
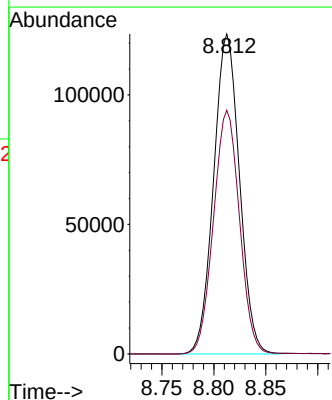
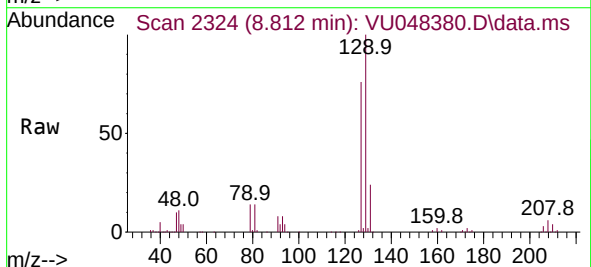
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

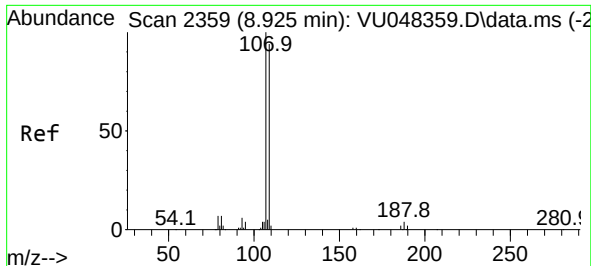
Tgt Ion: 43 Resp: 490348
Ion Ratio Lower Upper
43 100
58 61.3 48.1 72.1
57 20.3 16.2 24.4
100 13.8 10.3 15.5



#49
Dibromochloromethane
Concen: 46.831 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 129 Resp: 213750
Ion Ratio Lower Upper
129 100
127 76.1 53.8 99.8





#50

1,2-Dibromoethane

Concen: 47.289 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

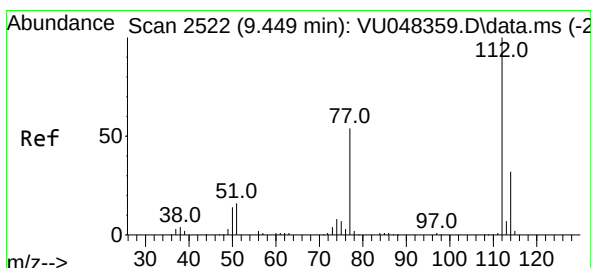
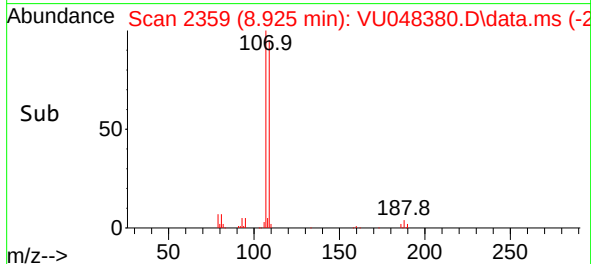
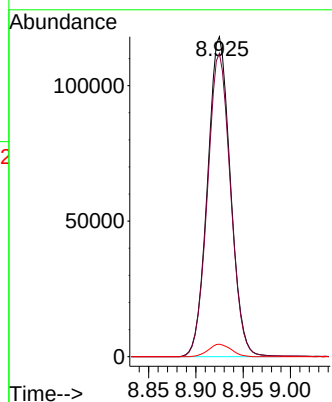
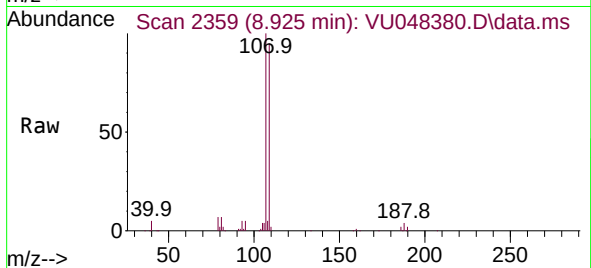
Tgt Ion:107 Resp: 199187

Ion Ratio Lower Upper

107 100

109 94.8 65.0 120.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 46.540 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

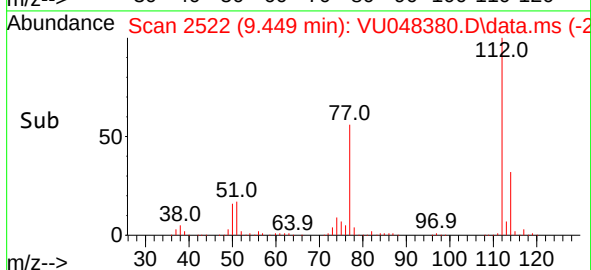
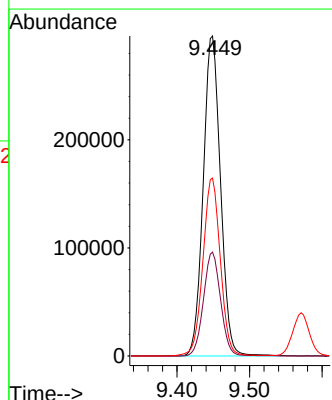
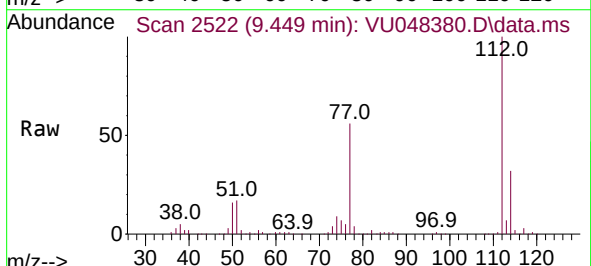
Tgt Ion:112 Resp: 490077

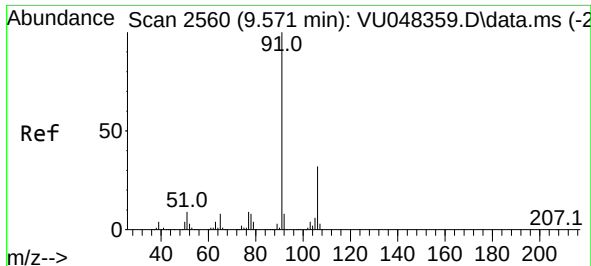
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.1

77 55.6 44.3 66.5

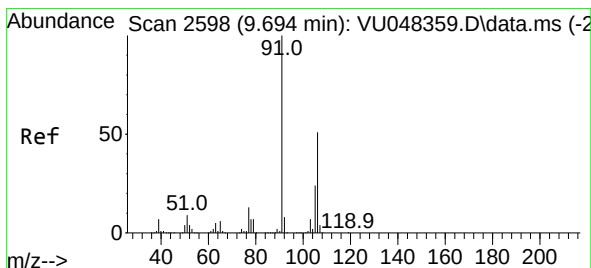
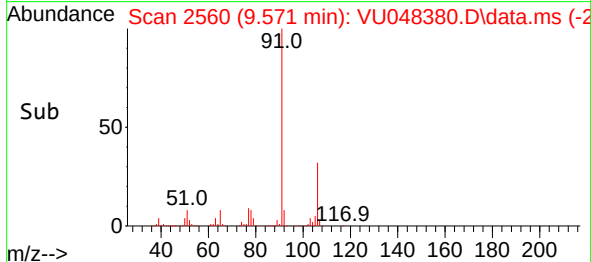
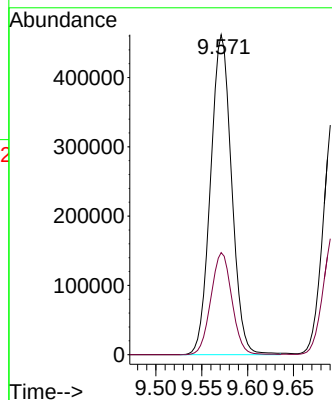
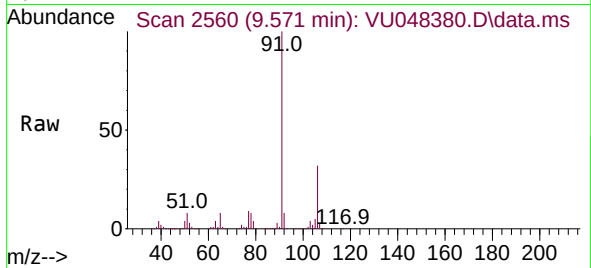




#52
Ethylbenzene
Concen: 48.722 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

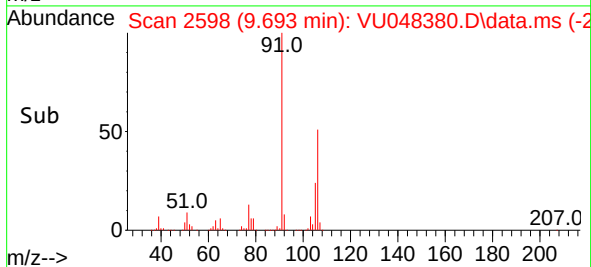
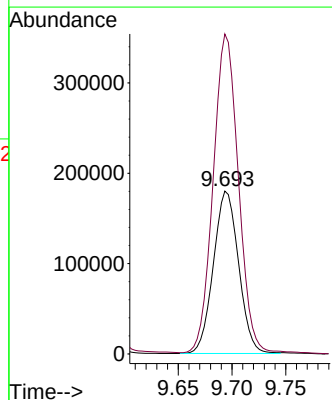
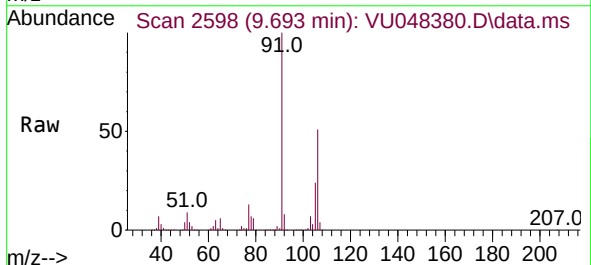
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

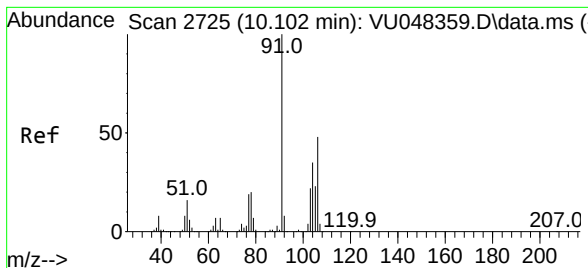
Tgt Ion: 91 Resp: 737136
Ion Ratio Lower Upper
91 100
106 31.9 22.5 41.9



#53
m,p-Xylene
Concen: 49.133 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 106 Resp: 293345
Ion Ratio Lower Upper
106 100
91 196.5 137.4 255.2





#54

o-Xylene

Concen: 51.667 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

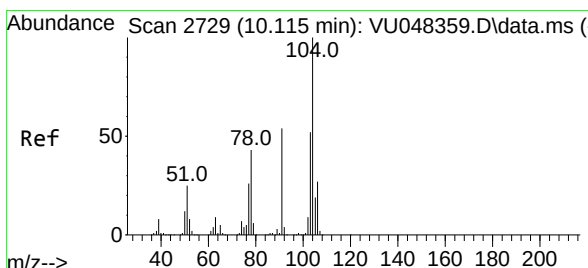
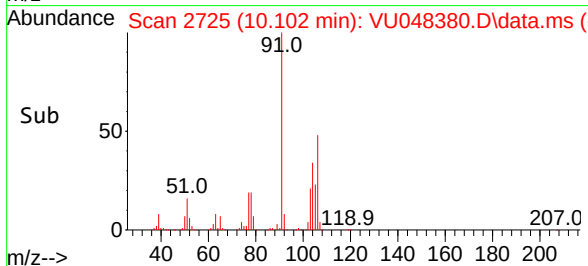
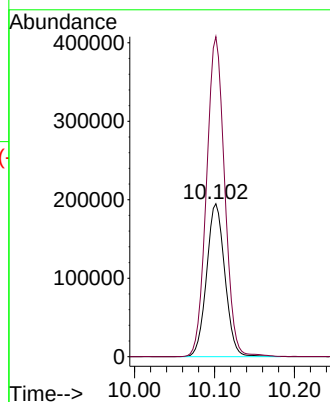
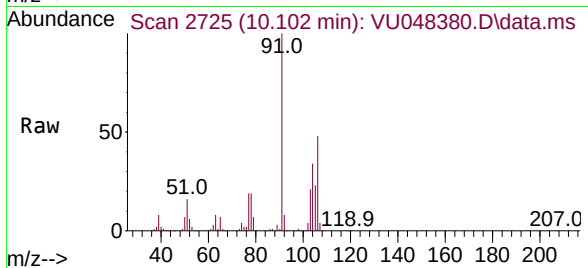
VSTD050110

Tgt Ion:106 Resp: 310759

Ion Ratio Lower Upper

106 100

91 209.1 145.3 269.8



#55

Styrene

Concen: 52.648 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU048380.D

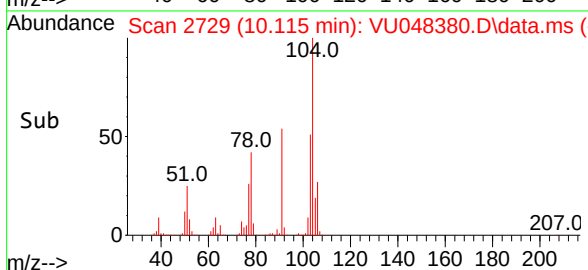
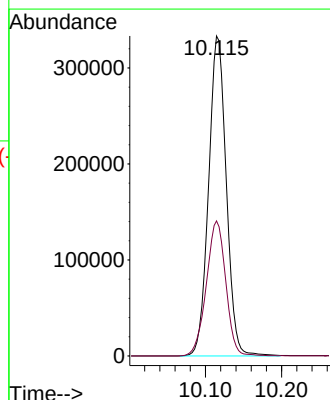
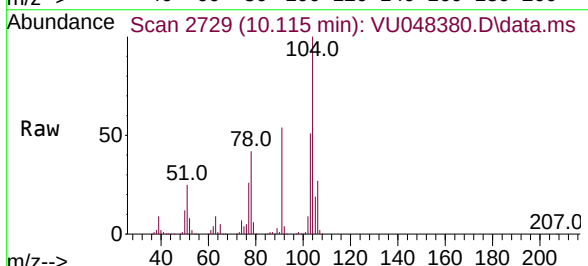
Acq: 02 May 2022 21:06

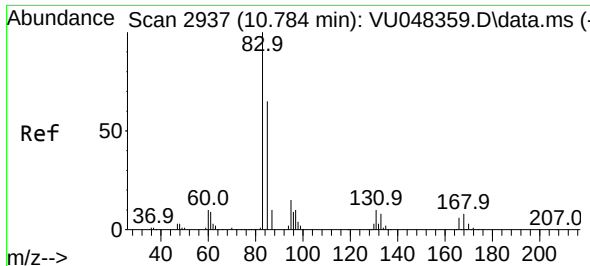
Tgt Ion:104 Resp: 539457

Ion Ratio Lower Upper

104 100

78 42.2 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 49.195 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

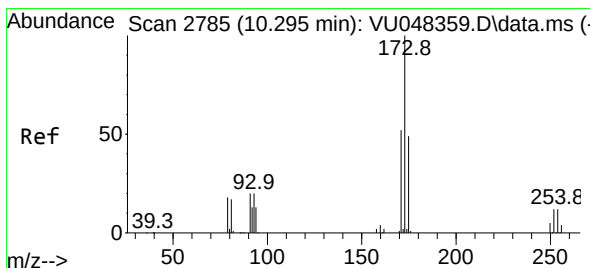
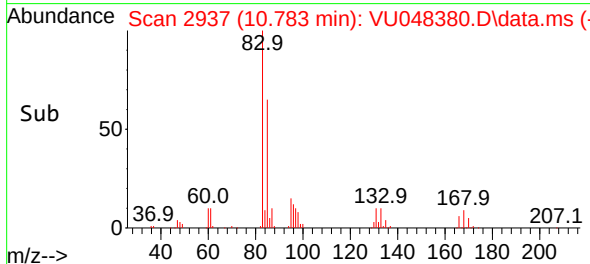
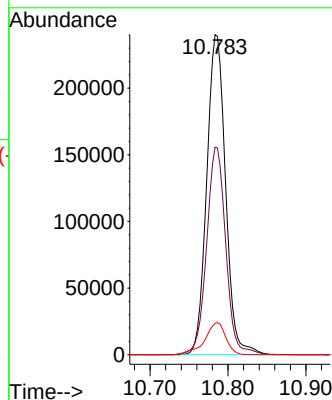
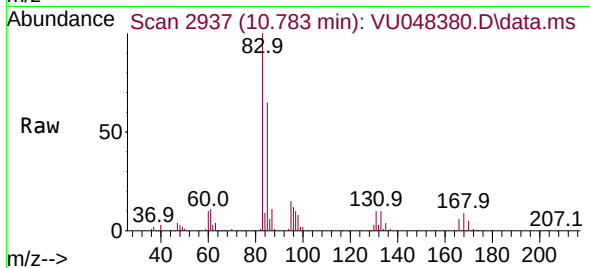
Tgt Ion: 83 Resp: 403288

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

131 9.7 7.8 11.6



#59

Bromoform

Concen: 47.468 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

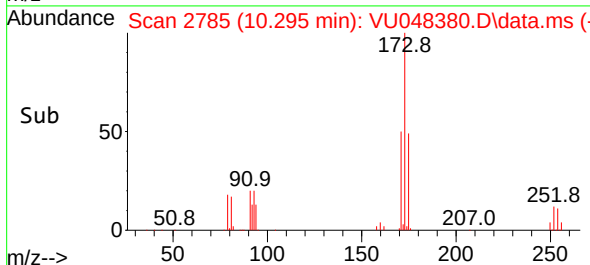
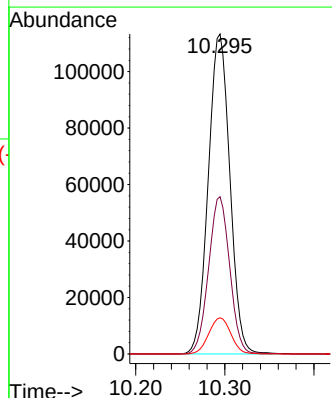
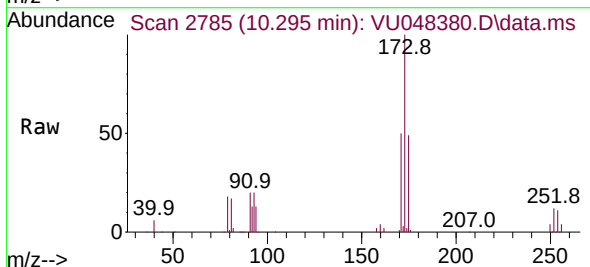
Tgt Ion:173 Resp: 190570

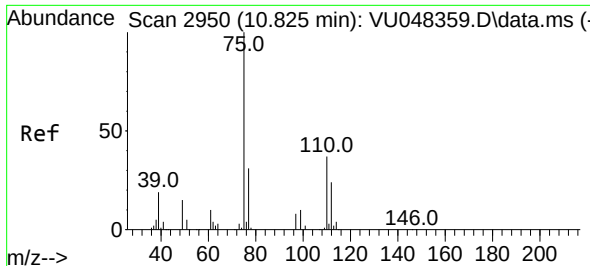
Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

254 11.5 9.5 14.3

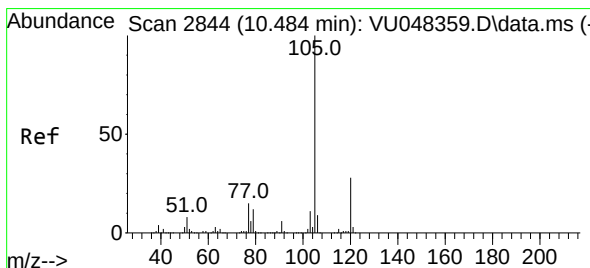
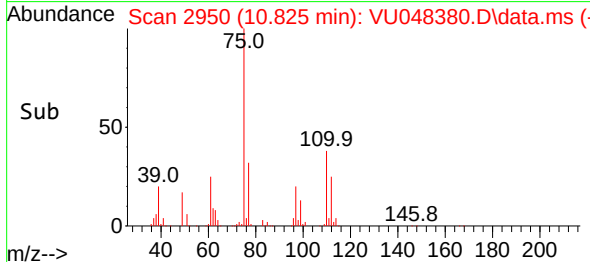
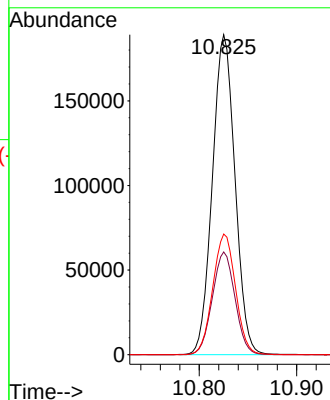
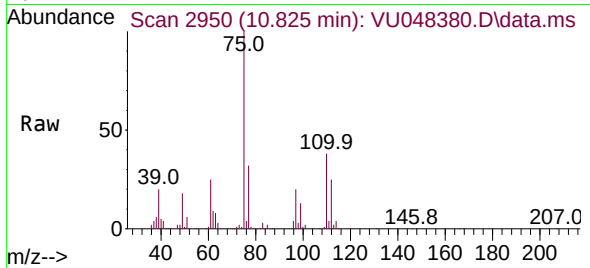




#60
1,2,3-Trichloropropane
Concen: 47.276 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

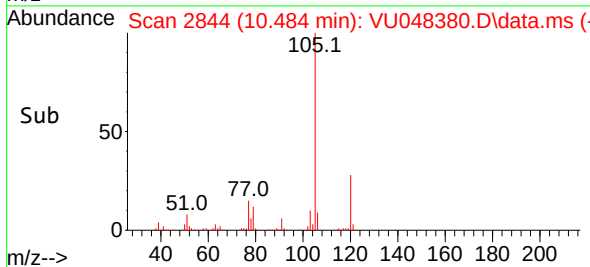
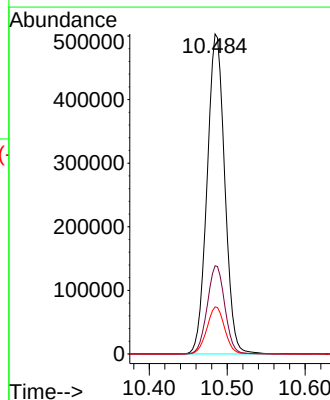
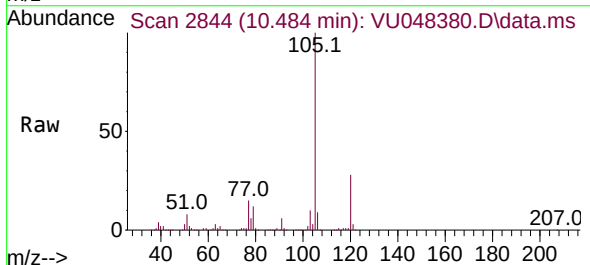
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

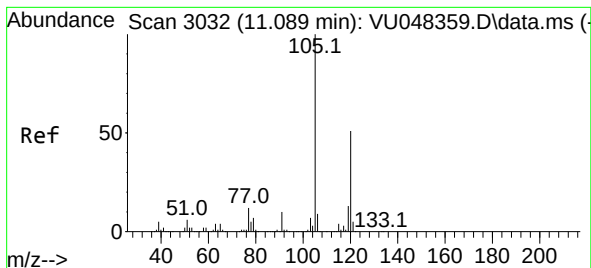
Tgt Ion: 75 Resp: 305094
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
110 38.0 29.9 44.9



#61
Isopropylbenzene
Concen: 51.122 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion:105 Resp: 790724
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 14.9 11.7 17.5





#62

1,3,5-Trimethylbenzene

Concen: 52.657 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048380.D

Acq: 02 May 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

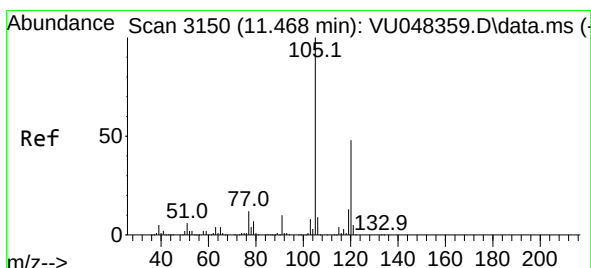
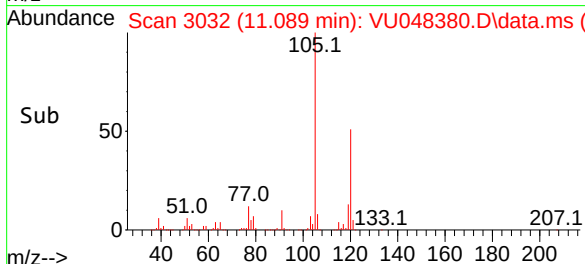
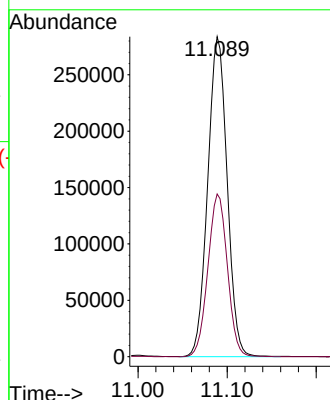
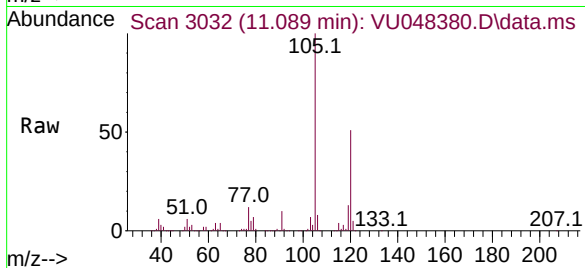
VSTD050110

Tgt Ion:105 Resp: 429273

Ion Ratio Lower Upper

105 100

120 50.9 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 53.752 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048380.D

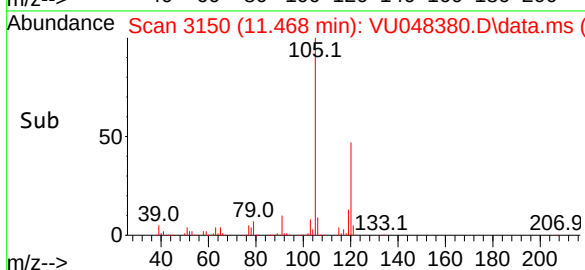
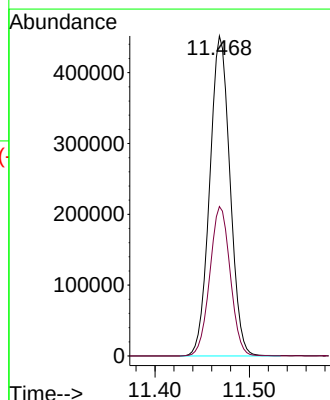
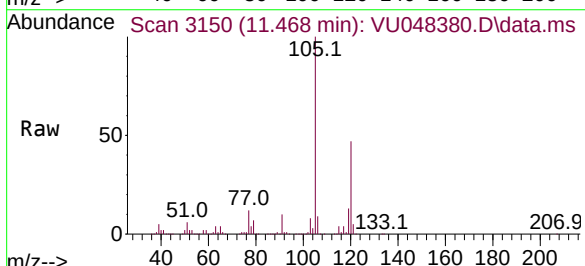
Acq: 02 May 2022 21:06

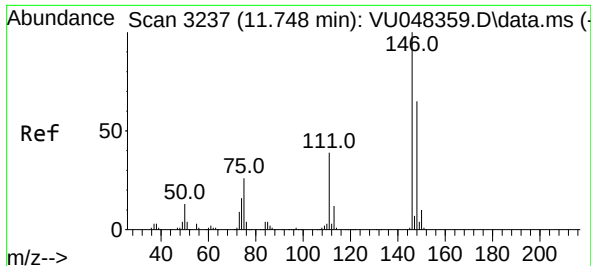
Tgt Ion:105 Resp: 673710

Ion Ratio Lower Upper

105 100

120 47.0 38.0 57.0

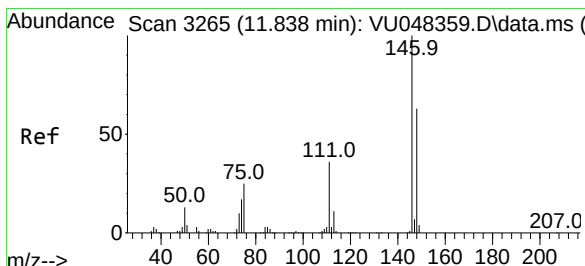
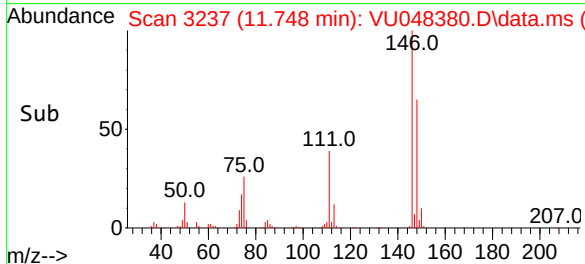
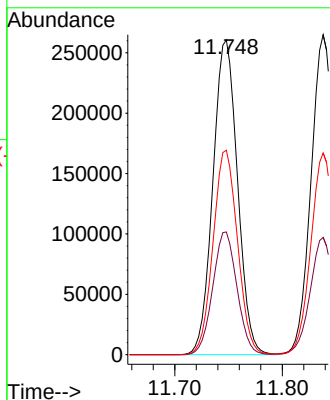
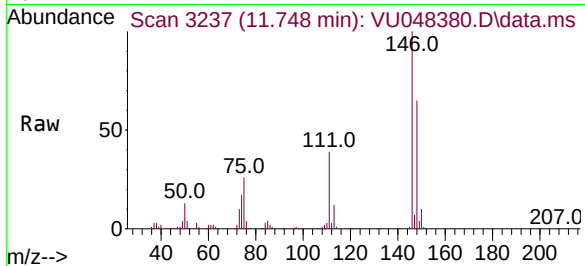




#64
1,3-Dichlorobenzene
Concen: 47.782 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

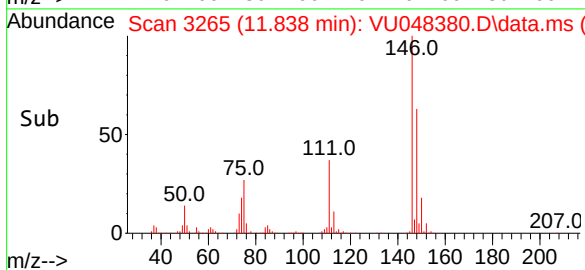
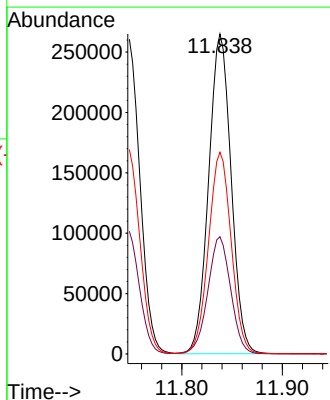
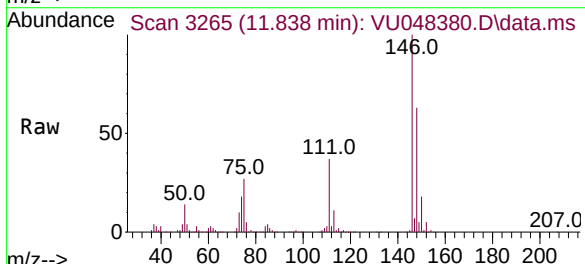
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

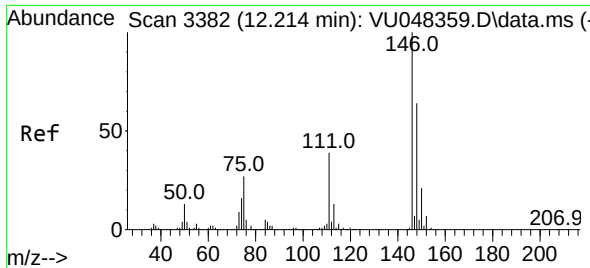
Tgt Ion:146 Resp: 414344
Ion Ratio Lower Upper
146 100
111 39.0 26.7 49.7
148 65.0 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 46.471 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion:146 Resp: 411397
Ion Ratio Lower Upper
146 100
111 36.7 25.9 48.1
148 63.1 45.1 83.7

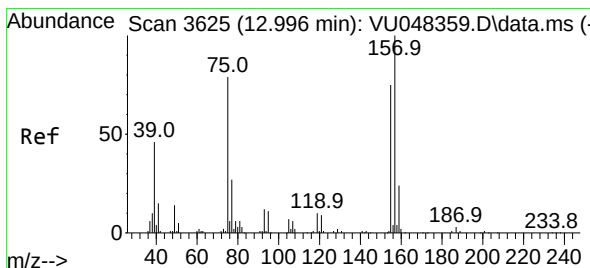
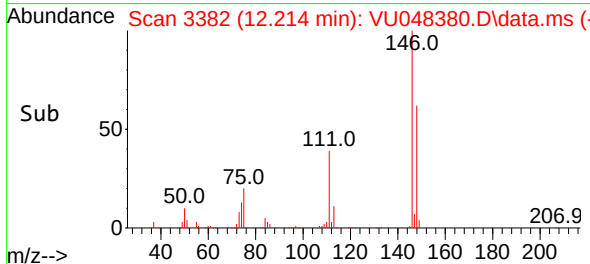
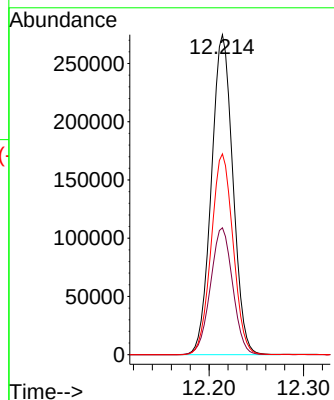
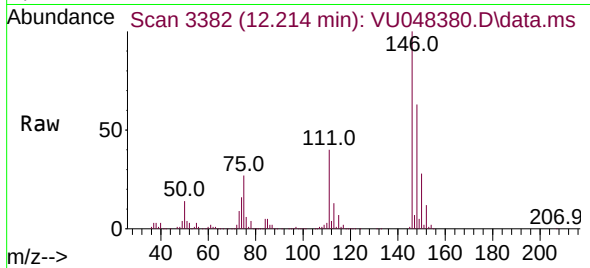




#67
1,2-Dichlorobenzene
Concen: 47.556 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

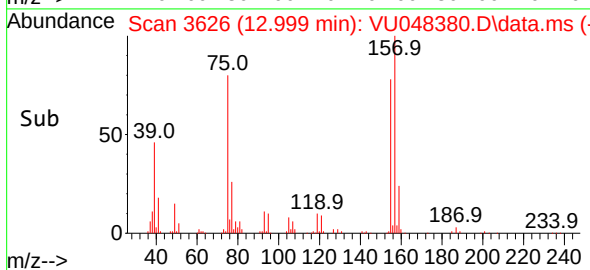
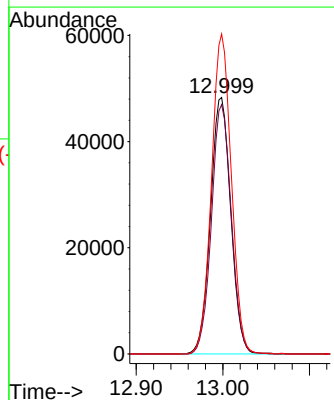
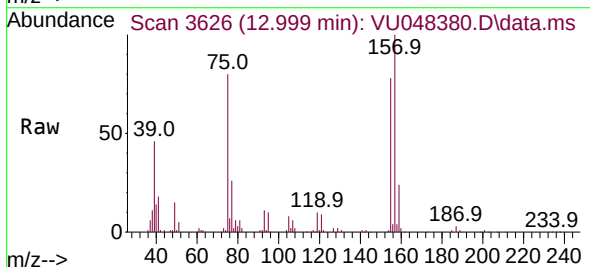
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

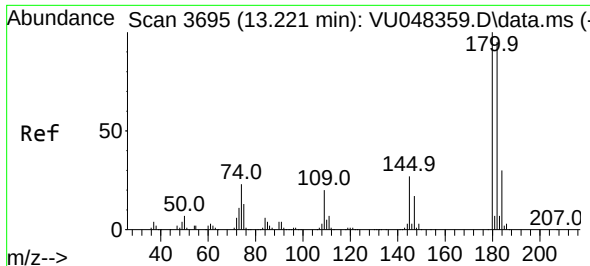
Tgt Ion:146 Resp: 434420
Ion Ratio Lower Upper
146 100
111 39.6 31.7 47.5
148 62.8 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 45.567 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion: 75 Resp: 78501
Ion Ratio Lower Upper
75 100
155 97.2 71.8 107.6
157 124.7 93.4 140.2

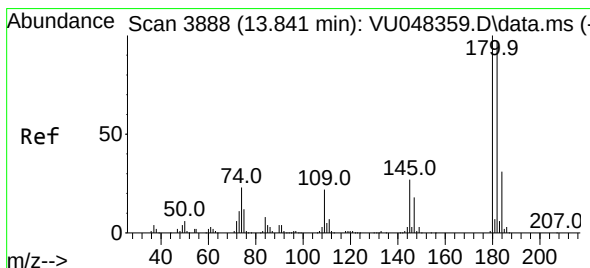
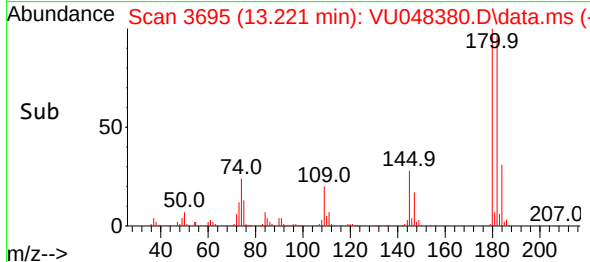
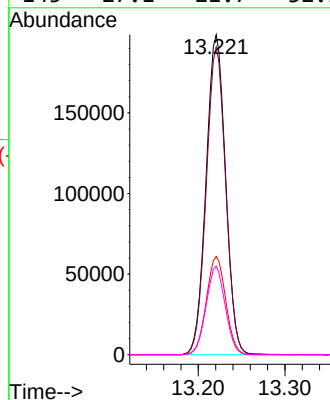
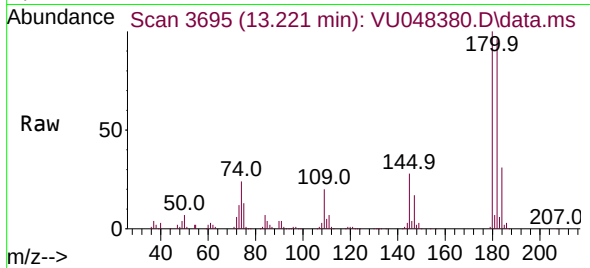




#69
 1,3,5-Trichlorobenzene
 Concen: 48.224 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

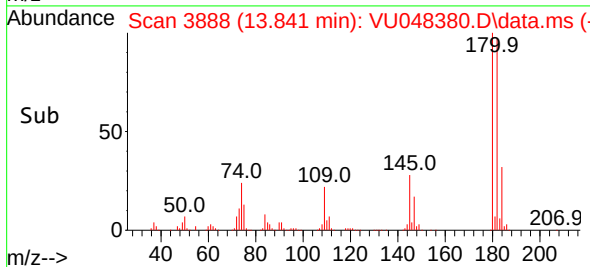
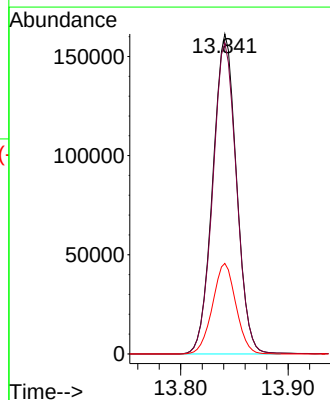
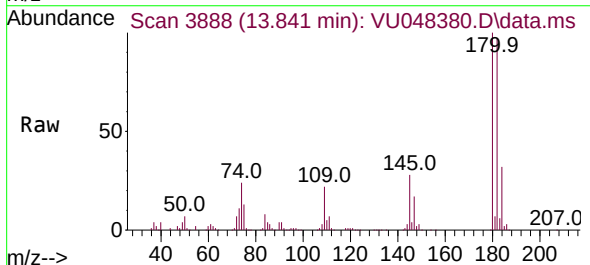
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

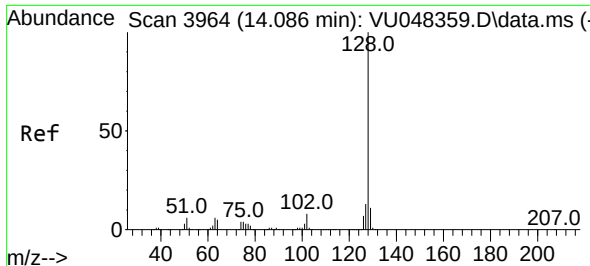
Tgt Ion:180 Resp: 310740
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 30.4 24.6 37.0
 145 27.1 21.7 32.5



#70
 1,2,4-trichlorobenzene
 Concen: 48.525 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048380.D
 Acq: 02 May 2022 21:06

Tgt Ion:180 Resp: 247023
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.3 114.5
 145 28.0 22.6 33.8

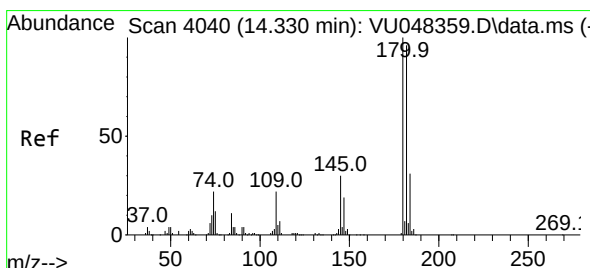
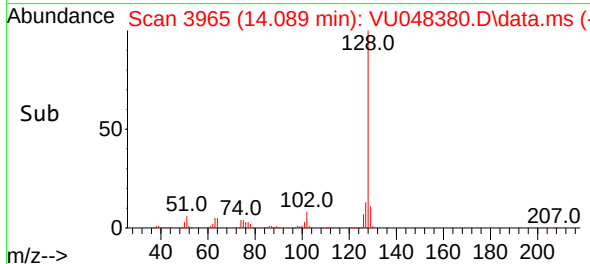
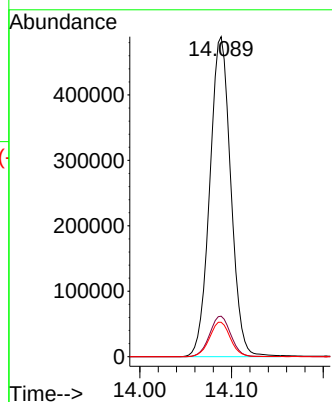
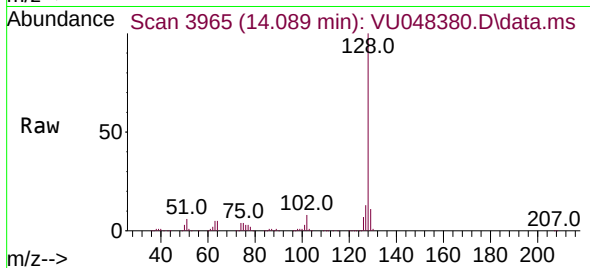




#71
Naphthalene
Concen: 53.327 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

Tgt Ion:128 Resp: 776880
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.302 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048380.D
Acq: 02 May 2022 21:06

Tgt Ion:180 Resp: 262427
Ion Ratio Lower Upper
180 100
182 96.4 75.8 113.6
145 30.0 23.5 35.3

