

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
 Data File : VU048477.D
 Acq On : 07 May 2022 00:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

Quant Time: May 07 04:13:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:43:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	275411	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	268913	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	141502	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	95061	40.078	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.160%		
7) Chloroethane-d5	1.912	69	66746	43.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.240%		
11) 1,1-Dichloroethene-d2	2.568	63	202886	48.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.120%		
21) 2-Butanone-d5	4.629	46	182896	90.543	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.540%		
24) Chloroform-d	5.063	84	211023	51.222	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.440%		
26) 1,2-Dichloroethane-d4	5.703	65	143855	53.716	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.440%		
32) Benzene-d6	5.729	84	378303	46.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.580%		
36) 1,2-Dichloropropane-d6	6.693	67	116079	43.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.120%		
41) Toluene-d8	7.899	98	344094	47.611	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.220%		
43) trans-1,3-Dichloroprop...	8.179	79	57491	46.874	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.740%		
47) 2-Hexanone-d5	8.632	63	113473	87.979	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.980%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	176015	43.363	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.720%		
66) 1,2-Dichlorobenzene-d4	12.195	152	132175	47.172	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	131680	52.855	ug/L	97
3) Chloromethane	1.523	50	103417	36.291	ug/L	98
5) Vinyl chloride	1.604	62	110950	40.983	ug/L	98
6) Bromomethane	1.858	94	61519	45.951	ug/L	96
8) Chloroethane	1.935	64	61121	41.994	ug/L	96
9) Trichlorofluoromethane	2.137	101	192143	54.020	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	95681	46.877	ug/L	99
12) 1,1-Dichloroethene	2.581	96	90561	46.927	ug/L	96
13) Acetone	2.642	43	133744	87.822	ug/L	95
14) Carbon disulfide	2.797	76	271908	45.457	ug/L	100
15) Methyl Acetate	2.954	43	131956	42.296	ug/L	95
16) Methylene chloride	3.051	84	109063	46.214	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	99801	48.473	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	353257	50.948	ug/L	97
19) 1,1-Dichloroethane	3.870	63	199495	46.991	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	108792	46.825	ug/L	98
22) 2-Butanone	4.710	43	201891	88.684	ug/L	99
23) Bromochloromethane	4.976	128	59285	48.419	ug/L	94
25) Chloroform	5.089	83	214614	51.193	ug/L	96

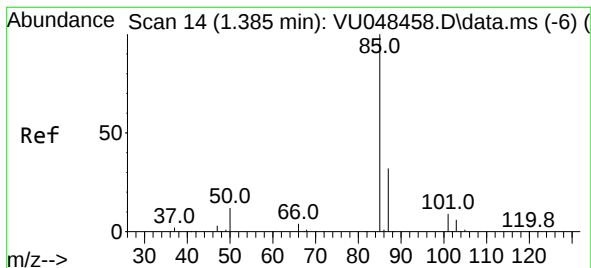
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
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 QLast Update : Fri May 06 23:43:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	188589	54.715	ug/L	97
29) Cyclohexane	5.391	56	164210	44.252	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	203336	54.447	ug/L	100
31) Carbon tetrachloride	5.526	117	179074	55.999	ug/L	99
33) Benzene	5.774	78	430291	46.473	ug/L	100
34) Trichloroethene	6.542	95	111530	49.003	ug/L	96
35) Methylcyclohexane	6.764	83	168762	46.474	ug/L	98
37) 1,2-Dichloropropane	6.793	63	113574	43.949	ug/L	100
38) Bromodichloromethane	7.108	83	164694	52.341	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	171815	46.744	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	362876	87.639	ug/L	98
42) Toluene	7.970	91	452789	47.382	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	172138	48.191	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	109958	47.051	ug/L	99
46) Tetrachloroethene	8.555	164	83895	49.068	ug/L	97
48) 2-Hexanone	8.684	43	307531	89.370	ug/L	98
49) Dibromochloromethane	8.809	129	127744	50.899	ug/L	95
50) 1,2-Dibromoethane	8.925	107	118709	48.053	ug/L	99
51) Chlorobenzene	9.446	112	287456	47.741	ug/L	98
52) Ethylbenzene	9.571	91	484040	48.625	ug/L	99
53) m,p-Xylene	9.693	106	188329	49.013	ug/L	100
54) o-Xylene	10.102	106	190099	49.175	ug/L	93
55) Styrene	10.115	104	310772	49.444	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	191045	43.617	ug/L	97
59) Bromoform	10.291	173	94174	46.927	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	166006	44.943	ug/L	98
61) Isopropylbenzene	10.484	105	477414	48.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	268723	49.164	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	411251	50.521	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	211229	45.169	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	212378	45.297	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	216755	45.293	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	54409	50.258	ug/L	88
69) 1,3,5-Trichlorobenzene	13.221	180	152666	46.172	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	127909	44.545	ug/L	97
71) Naphthalene	14.085	128	445195	40.260	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	137292	44.955	ug/L	99

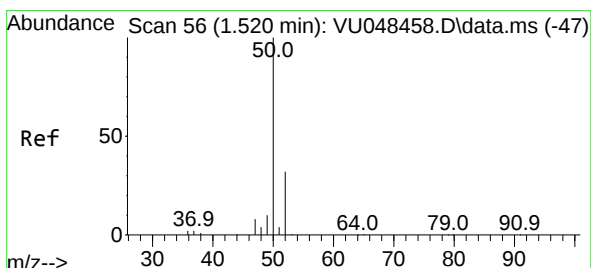
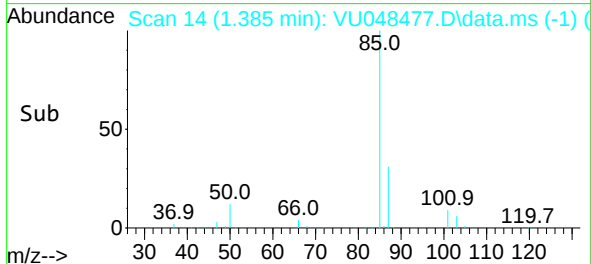
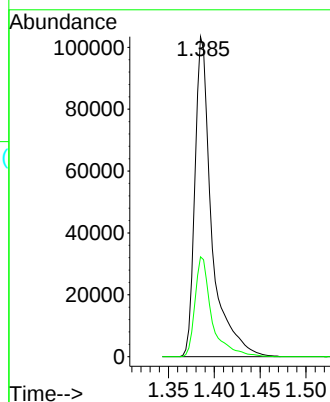
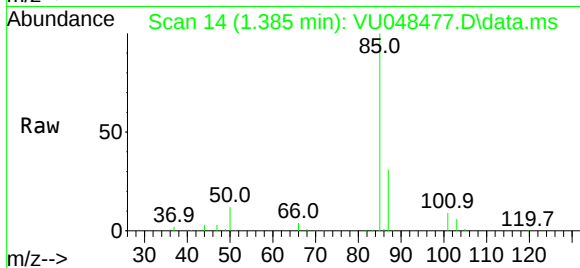
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 52.855 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

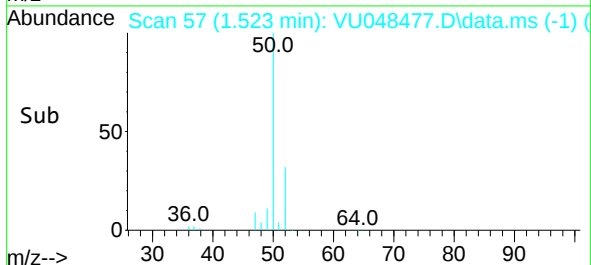
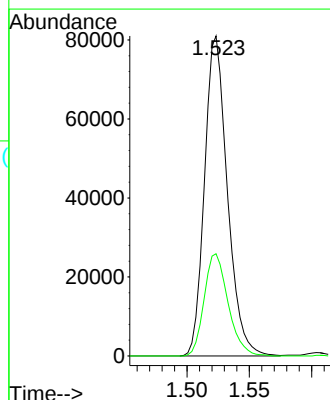
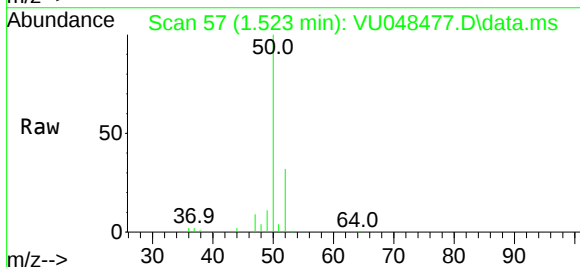
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

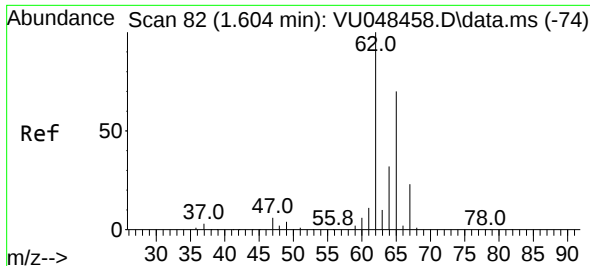
Tgt Ion: 85 Resp: 131680
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.2 39.4



#3
 Chloromethane
 Concen: 36.291 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.003 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

Tgt Ion: 50 Resp: 103417
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.0 42.8

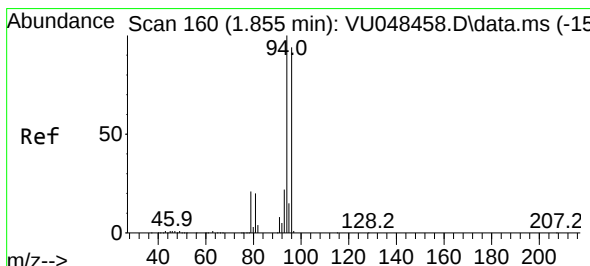
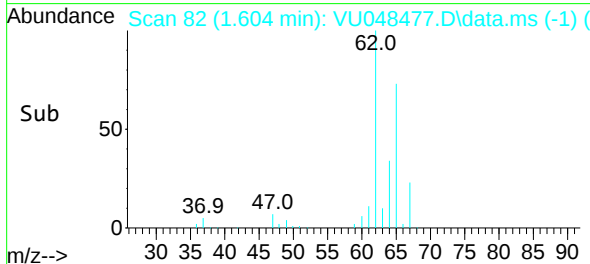
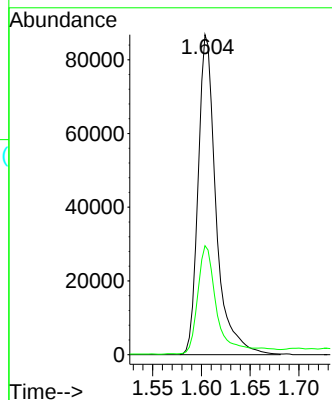
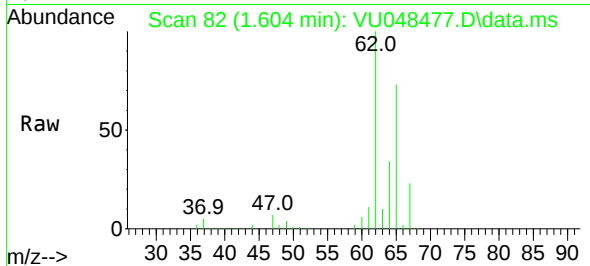




#5
 Vinyl chloride
 Concen: 40.983 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

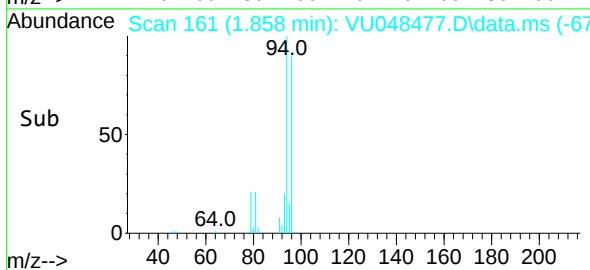
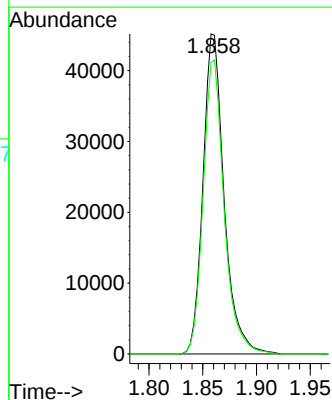
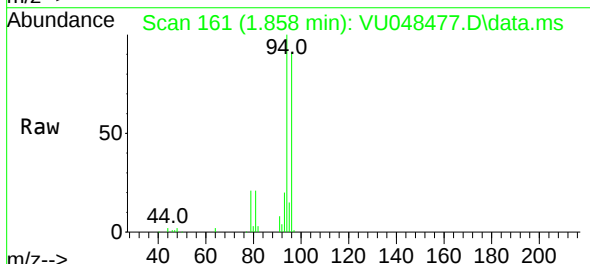
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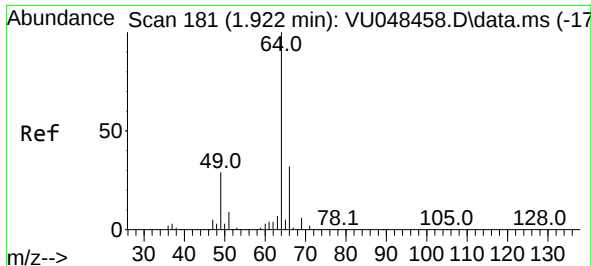
Tgt Ion: 62 Resp: 110950
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 45.951 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

Tgt Ion: 94 Resp: 61519
 Ion Ratio Lower Upper
 94 100
 96 91.0 66.5 123.5

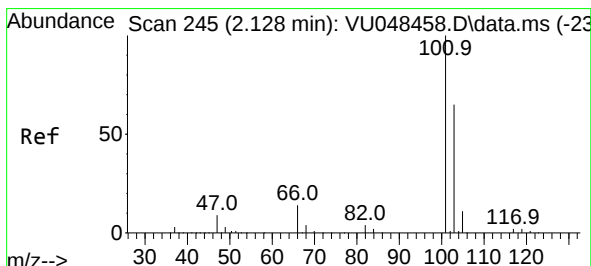
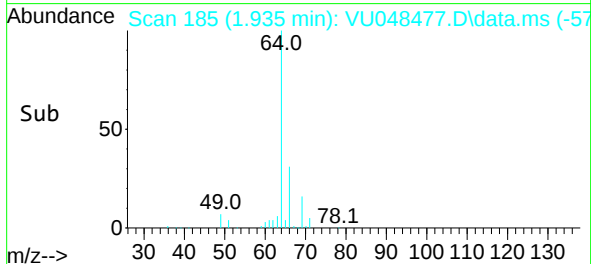
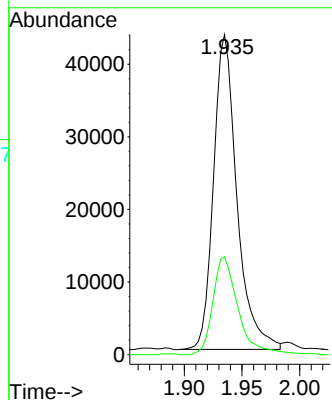
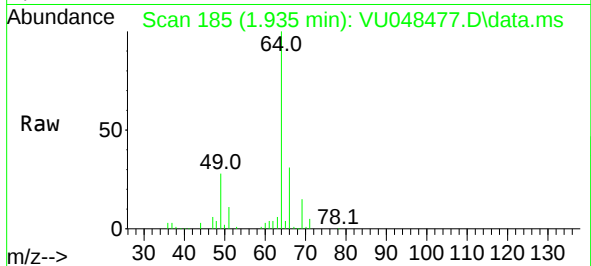




#8
Chloroethane
Concen: 41.994 ug/L
RT: 1.935 min Scan# 181
Delta R.T. 0.013 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

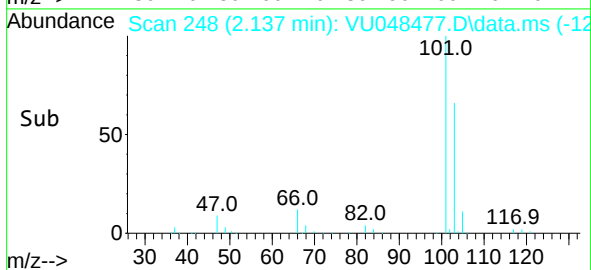
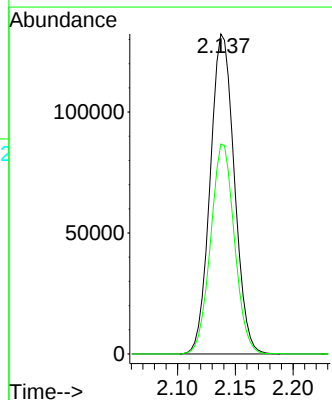
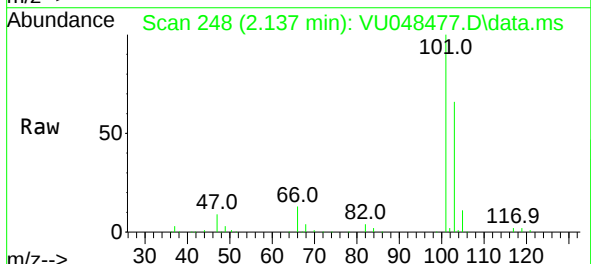
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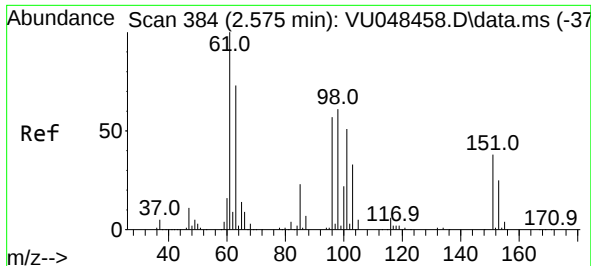
Tgt Ion: 64 Resp: 61121
Ion Ratio Lower Upper
64 100
66 30.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 54.020 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.009 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:101 Resp: 192143
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

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

Concen: 46.877 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.006 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

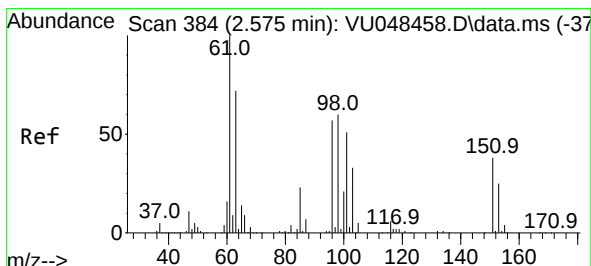
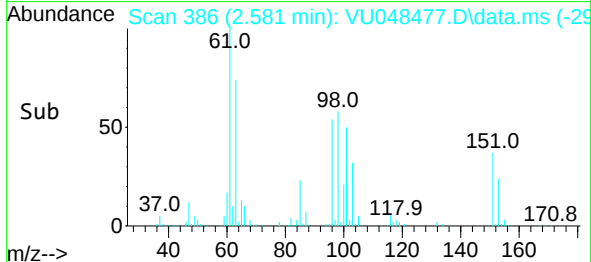
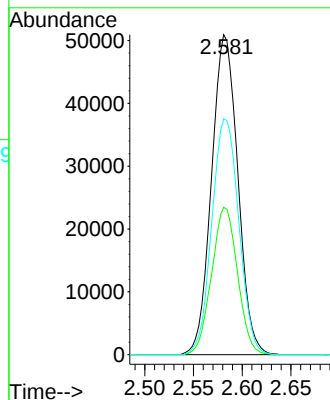
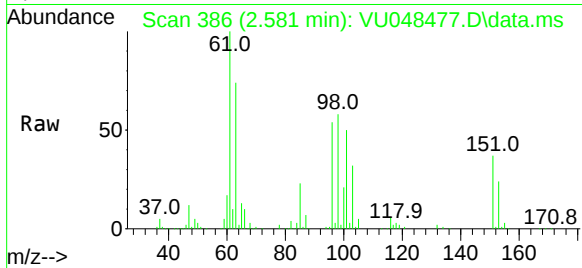
Tgt Ion:101 Resp: 95681

Ion Ratio Lower Upper

101 100

85 45.4 34.8 52.2

151 75.7 60.7 91.1



#12

1,1-Dichloroethene

Concen: 46.927 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.006 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

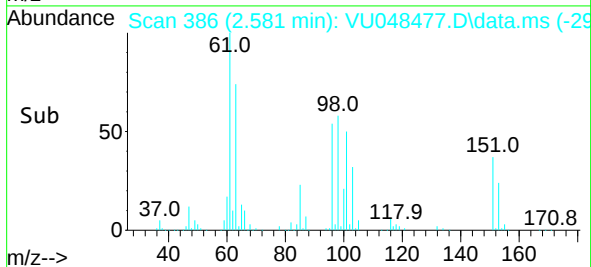
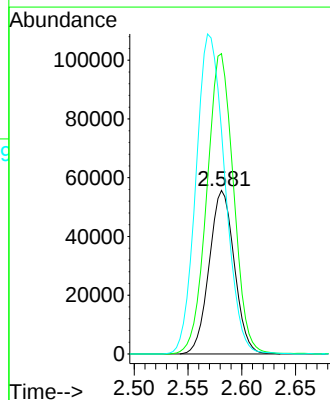
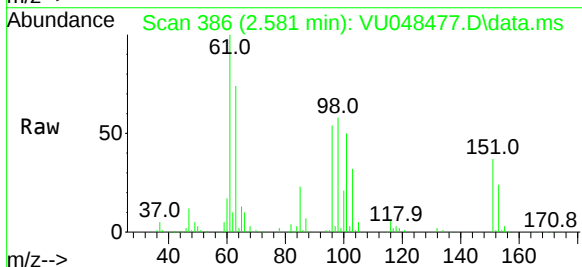
Tgt Ion: 96 Resp: 90561

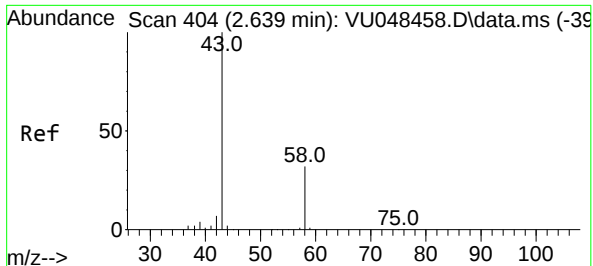
Ion Ratio Lower Upper

96 100

61 183.7 124.5 231.3

63 136.7 92.5 171.9





#13

Acetone

Concen: 87.822 ug/L

RT: 2.642 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

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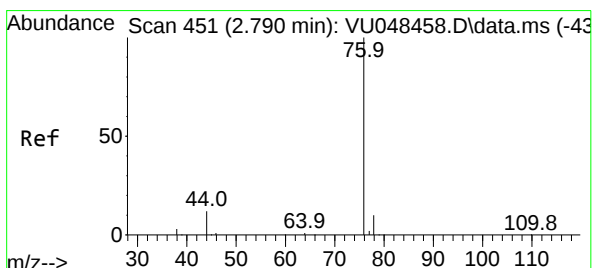
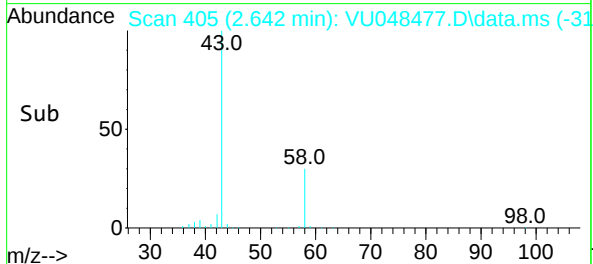
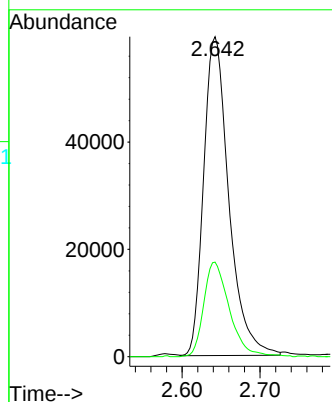
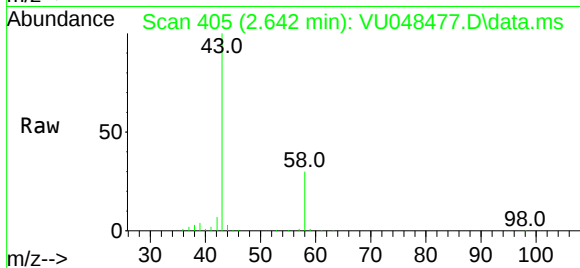
VSTD050119

Tgt Ion: 43 Resp: 133744

Ion Ratio Lower Upper

43 100

58 30.2 0.0 66.2



#14

Carbon disulfide

Concen: 45.457 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.006 min

Lab File: VU048477.D

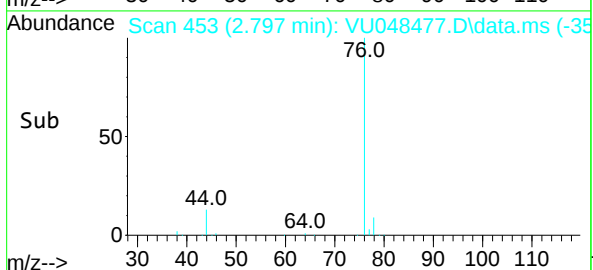
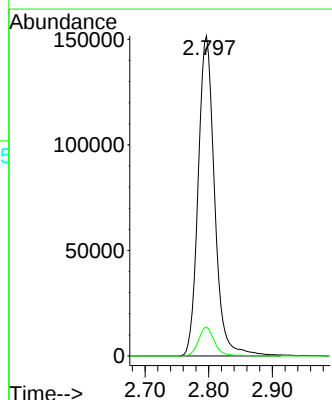
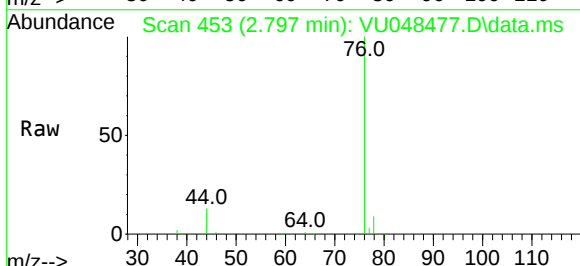
Acq: 07 May 2022 00:04

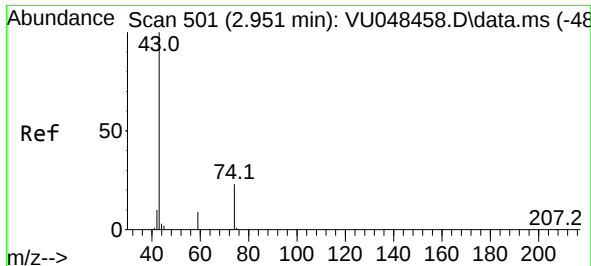
Tgt Ion: 76 Resp: 271908

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

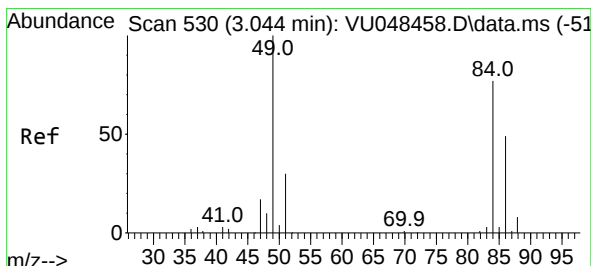
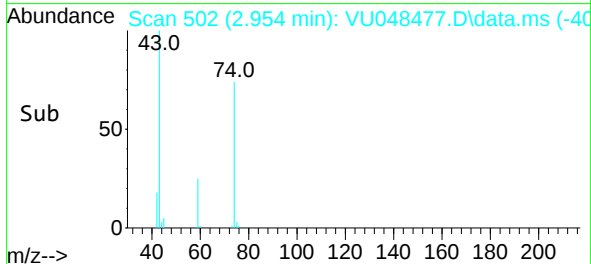
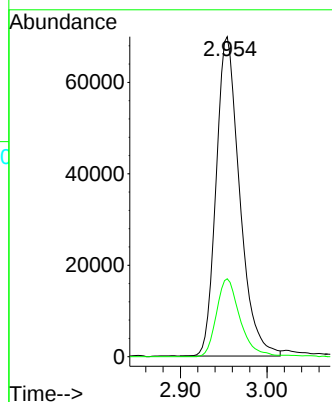
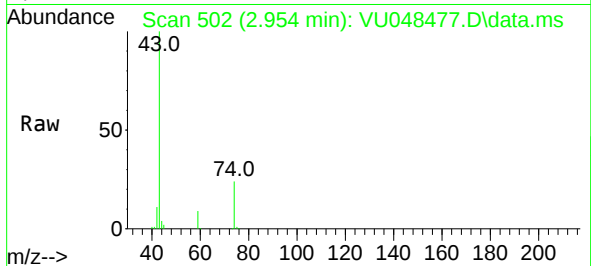




#15
Methyl Acetate
Concen: 42.296 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

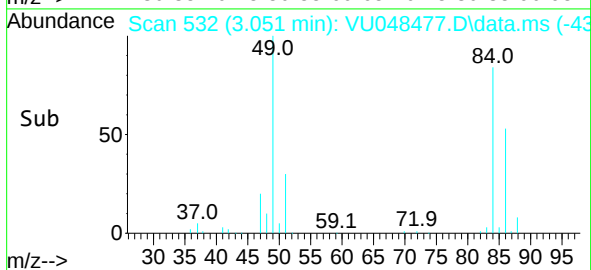
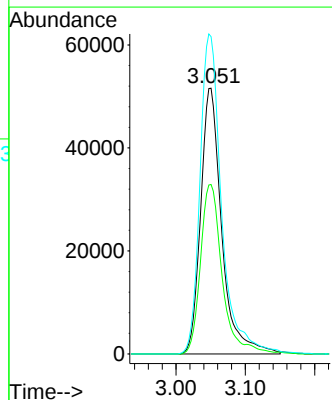
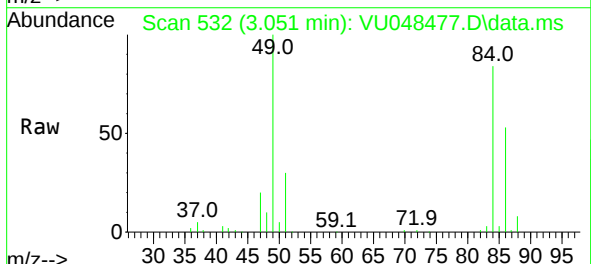
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

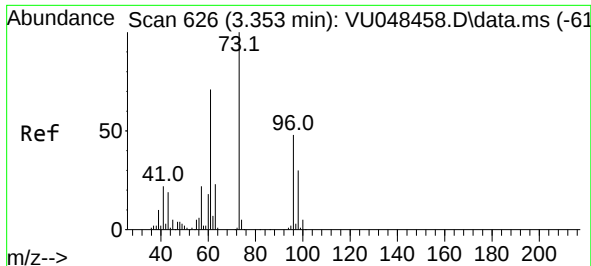
Tgt Ion: 43 Resp: 131956
Ion Ratio Lower Upper
43 100
74 24.3 17.6 26.4



#16
Methylene chloride
Concen: 46.214 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.006 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 84 Resp: 109063
Ion Ratio Lower Upper
84 100
86 63.8 44.8 83.2
49 119.4 92.0 170.8





#17

trans-1,2-Dichloroethene

Concen: 48.473 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

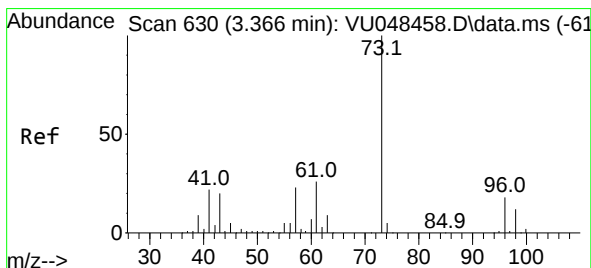
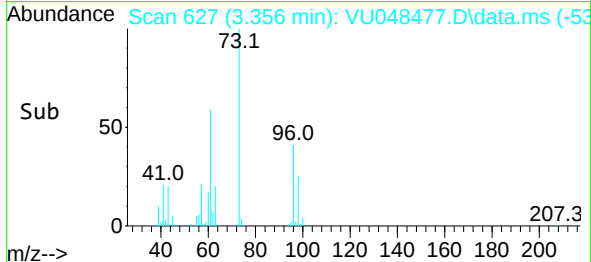
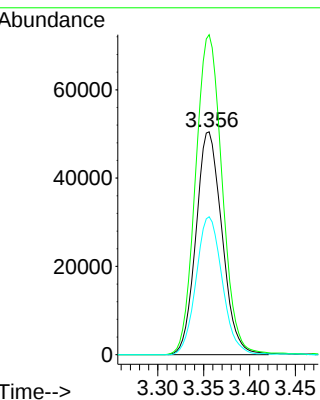
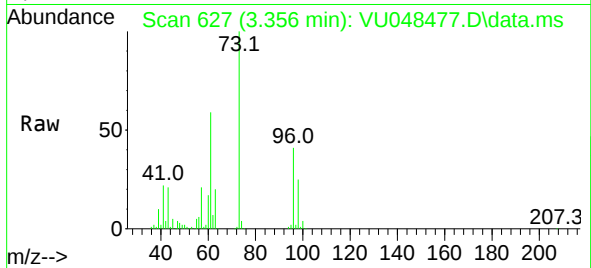
Tgt Ion: 96 Resp: 99801

Ion Ratio Lower Upper

96 100

61 143.6 101.2 187.8

98 61.9 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 50.948 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

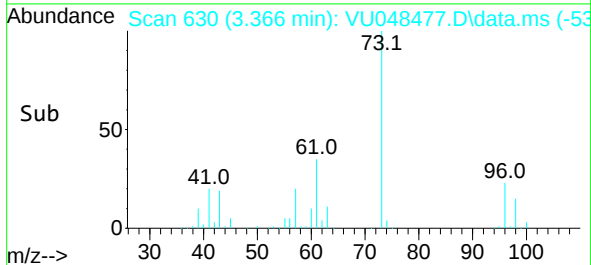
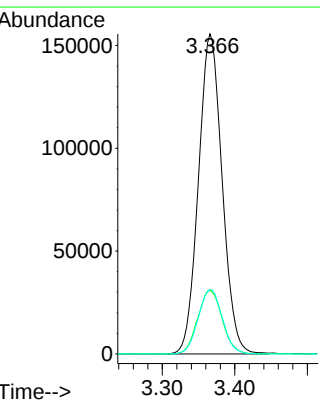
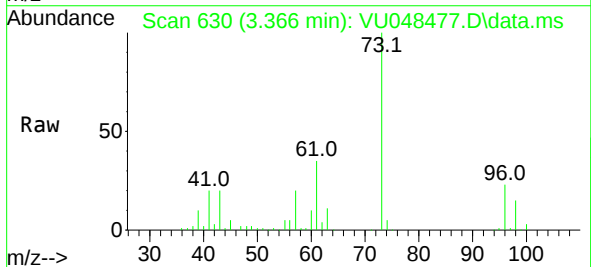
Tgt Ion: 73 Resp: 353257

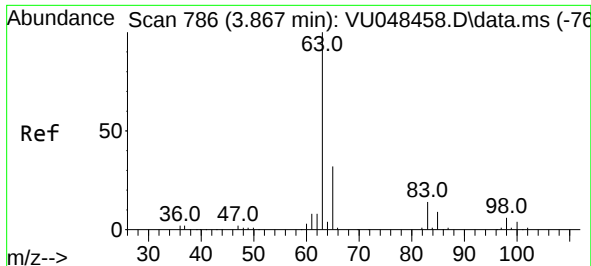
Ion Ratio Lower Upper

73 100

43 20.6 15.6 23.4

57 20.5 18.1 27.1

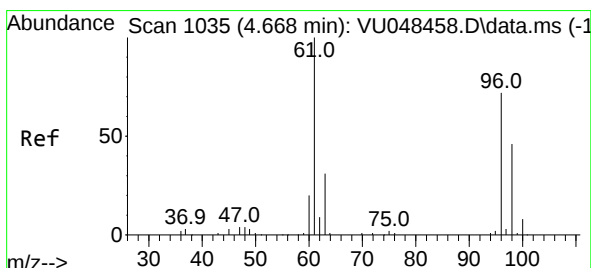
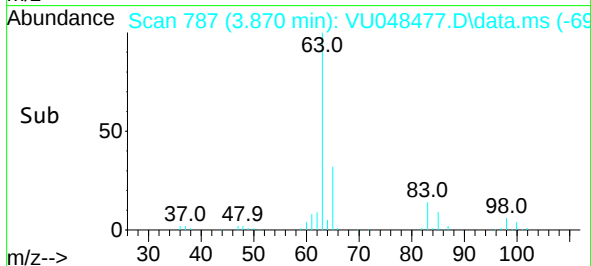
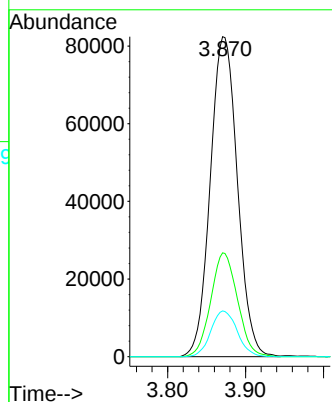
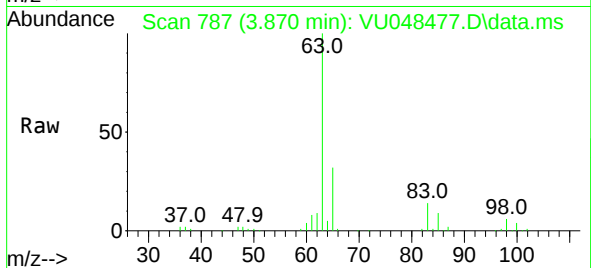




#19
1,1-Dichloroethane
Concen: 46.991 ug/L
RT: 3.870 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

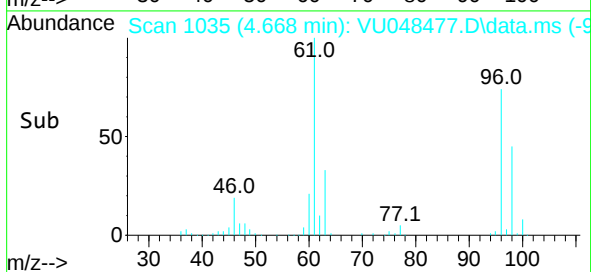
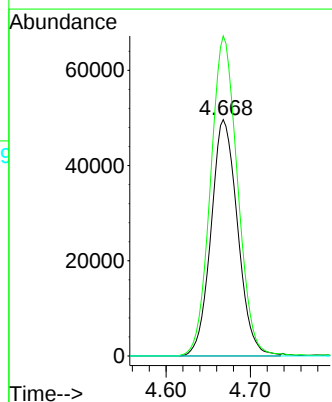
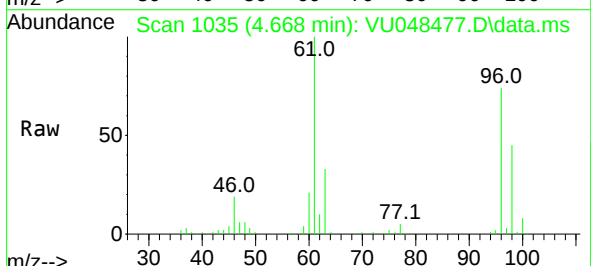
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

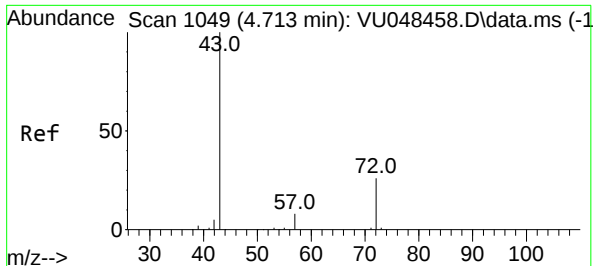
Tgt Ion: 63 Resp: 199495
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 14.3 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 46.825 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 96 Resp: 108792
Ion Ratio Lower Upper
96 100
61 135.4 96.2 178.8
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 88.684 ug/L

RT: 4.710 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

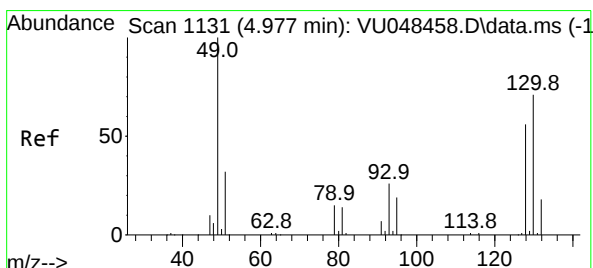
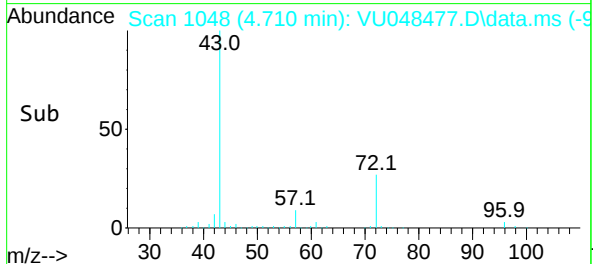
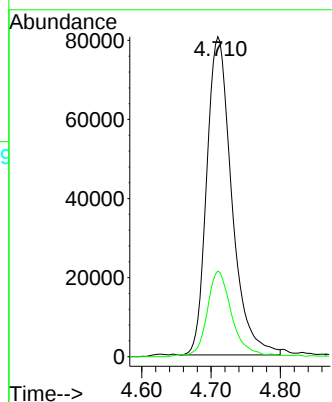
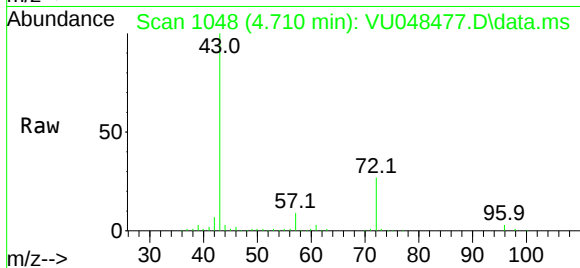
VSTD050119

Tgt Ion: 43 Resp: 201891

Ion Ratio Lower Upper

43 100

72 26.2 13.3 39.9



#23

Bromochloromethane

Concen: 48.419 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Tgt Ion: 128 Resp: 59285

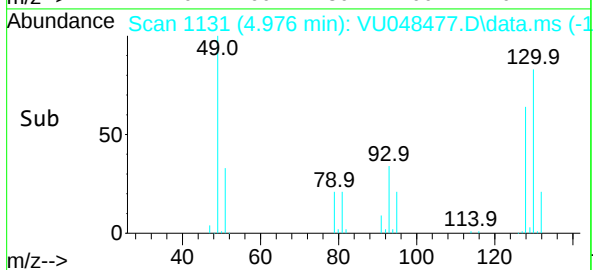
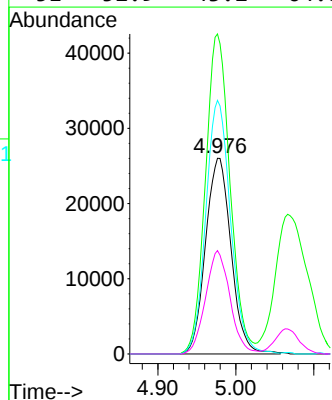
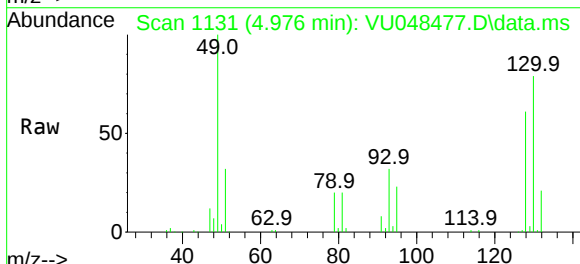
Ion Ratio Lower Upper

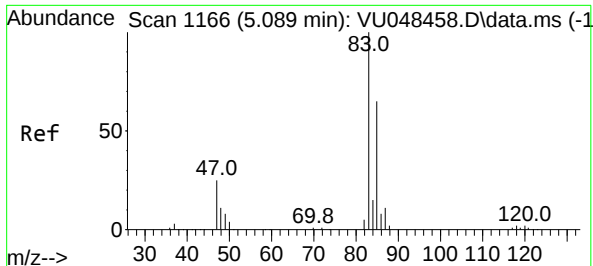
128 100

49 163.6 123.1 228.7

130 129.6 93.6 173.8

51 52.9 43.2 64.8





#25

Chloroform

Concen: 51.193 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

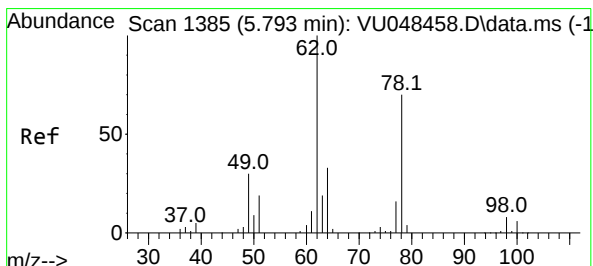
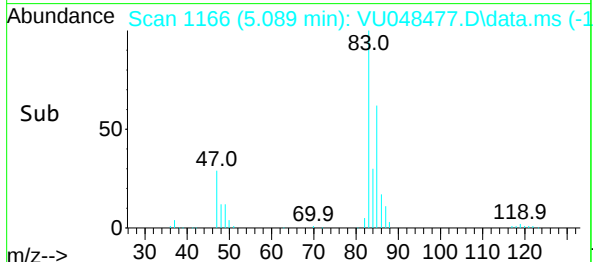
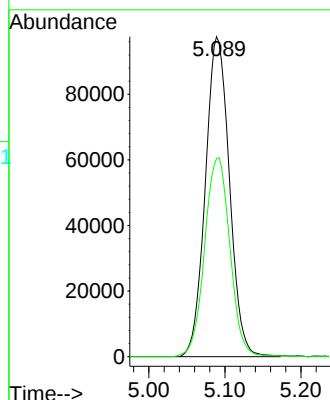
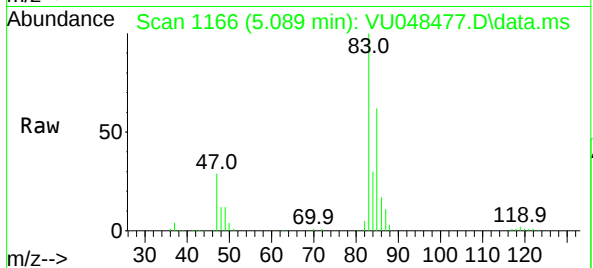
VSTD050119

Tgt Ion: 83 Resp: 214614

Ion Ratio Lower Upper

83 100

85 61.9 45.4 84.2



#27

1,2-Dichloroethane

Concen: 54.715 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU048477.D

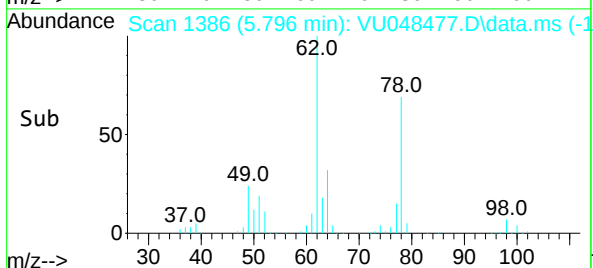
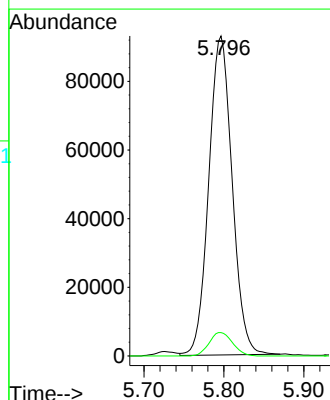
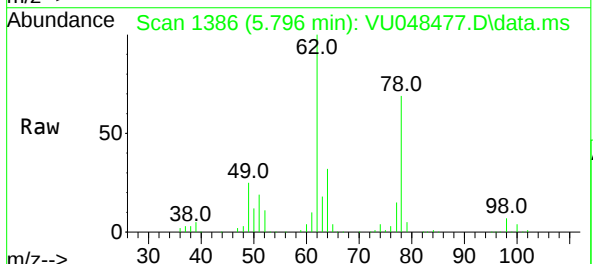
Acq: 07 May 2022 00:04

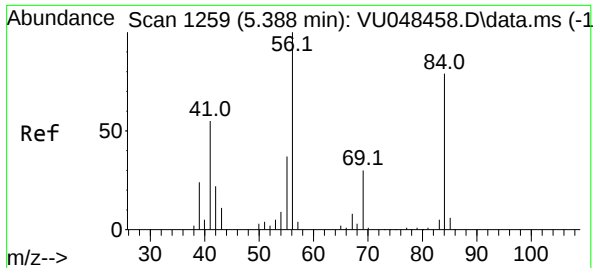
Tgt Ion: 62 Resp: 188589

Ion Ratio Lower Upper

62 100

98 7.3 6.8 10.2





#29

Cyclohexane

Concen: 44.252 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

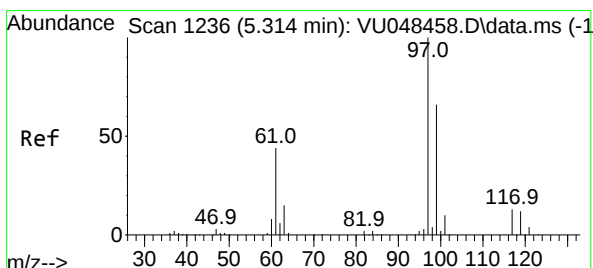
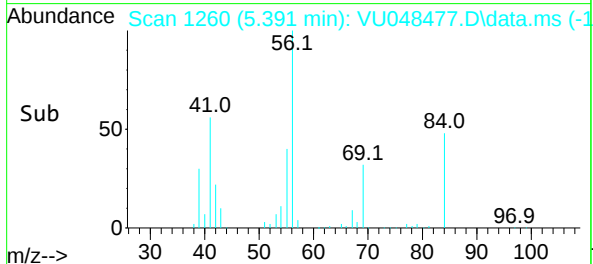
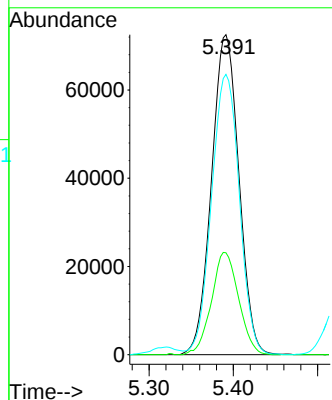
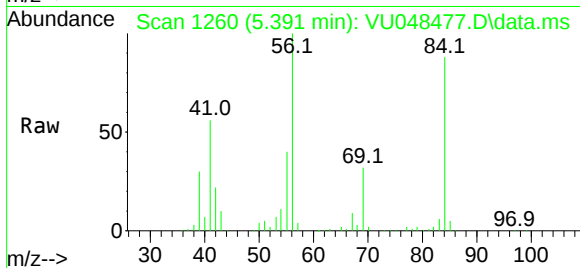
Tgt Ion: 56 Resp: 164210

Ion Ratio Lower Upper

56 100

69 31.6 23.4 35.0

84 88.4 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 54.447 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

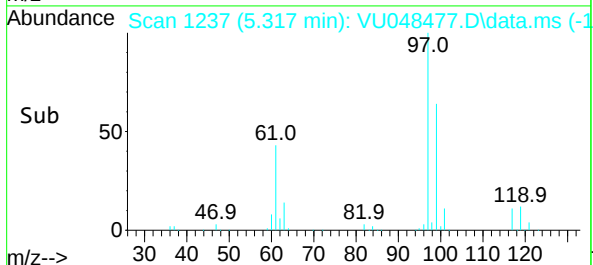
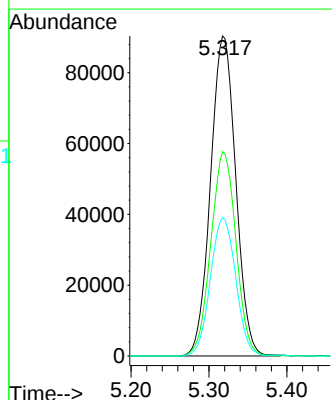
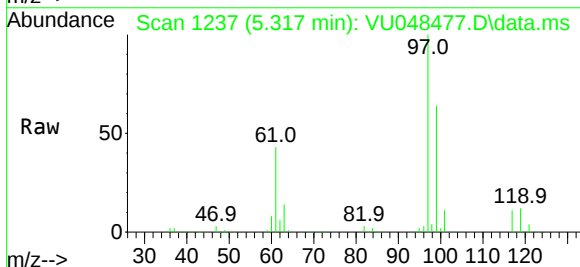
Tgt Ion: 97 Resp: 203336

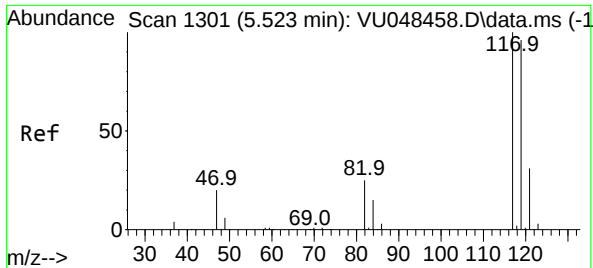
Ion Ratio Lower Upper

97 100

99 63.5 50.5 75.7

61 43.5 35.0 52.4

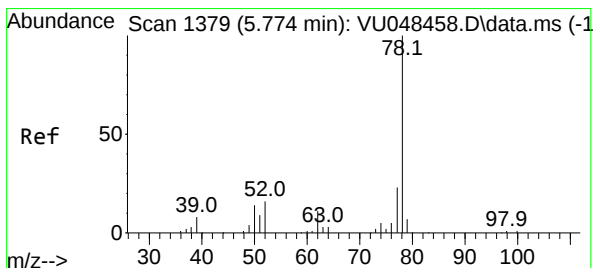
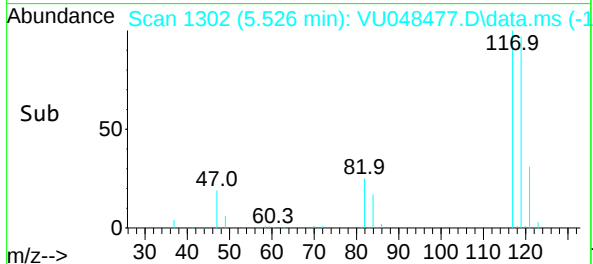
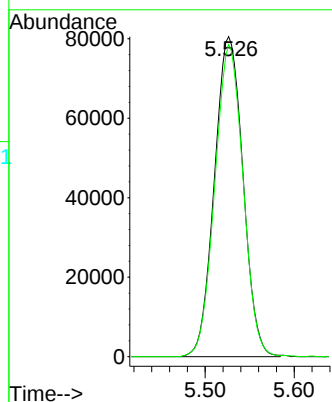
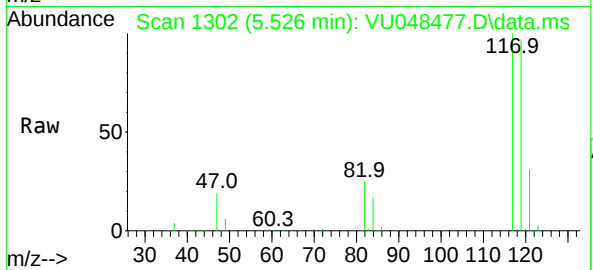




#31
Carbon tetrachloride
Concen: 55.999 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

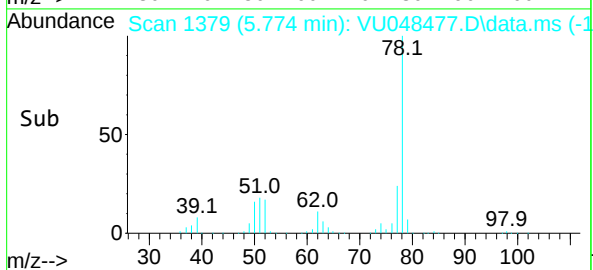
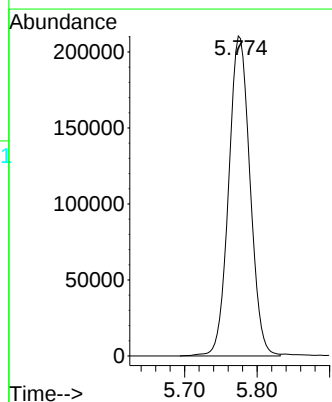
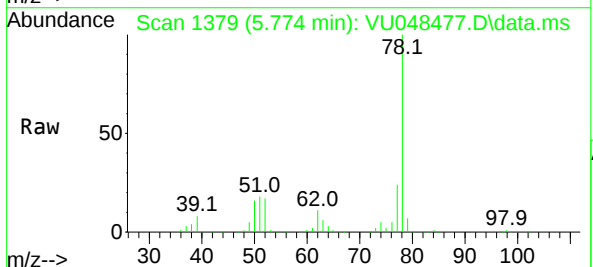
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

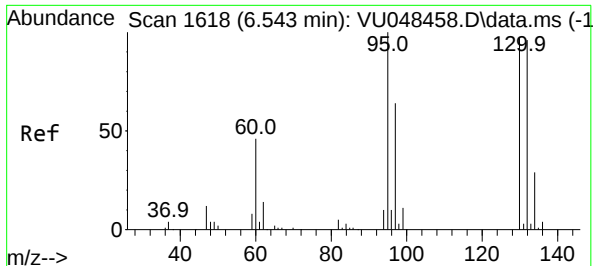
Tgt Ion:117 Resp: 179074
Ion Ratio Lower Upper
117 100
119 96.3 76.5 114.7



#33
Benzene
Concen: 46.473 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 78 Resp: 430291

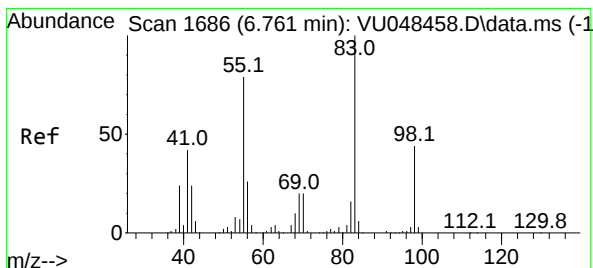
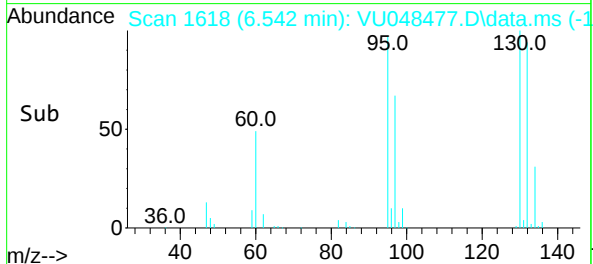
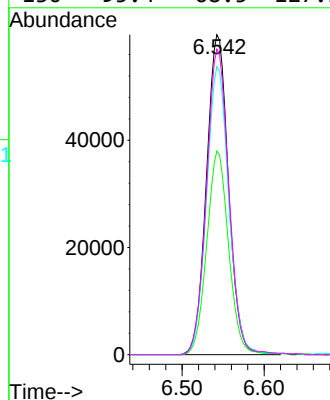
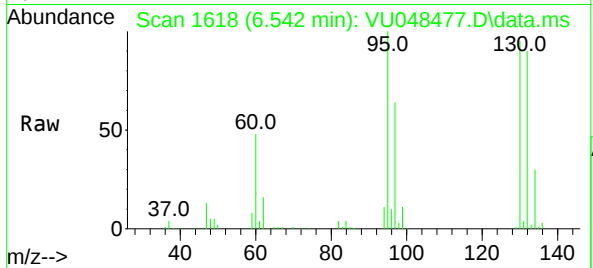




#34
Trichloroethene
Concen: 49.003 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

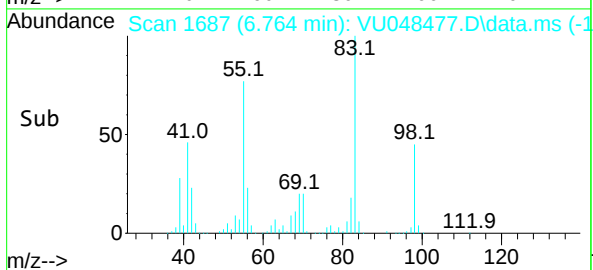
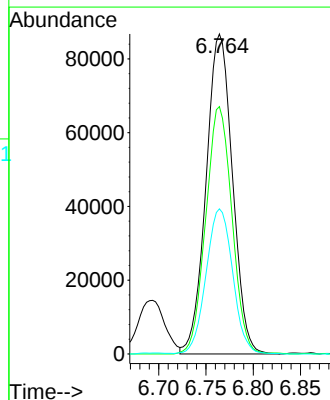
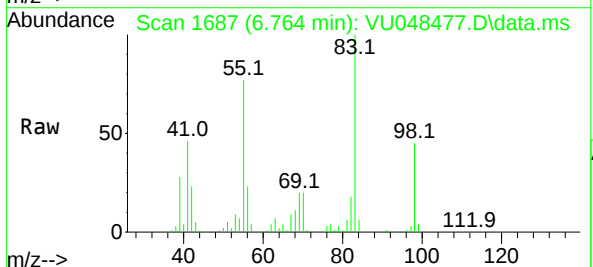
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

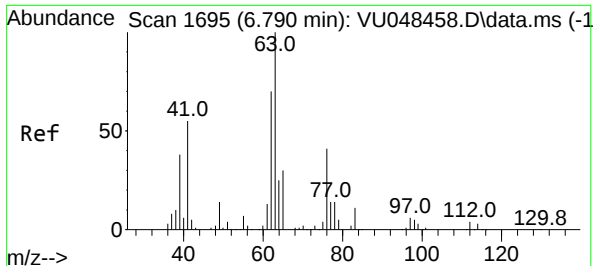
Tgt Ion: 95 Resp: 111530
Ion Ratio Lower Upper
95 100
97 63.6 46.6 86.6
132 90.1 67.3 124.9
130 95.4 68.5 127.1



#35
Methylcyclohexane
Concen: 46.474 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 83 Resp: 168762
Ion Ratio Lower Upper
83 100
55 76.6 63.4 95.2
98 45.2 35.9 53.9





#37

1,2-Dichloropropane

Concen: 43.949 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

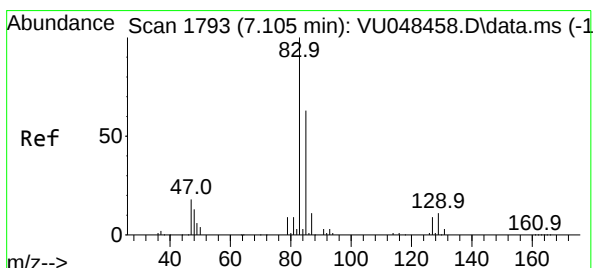
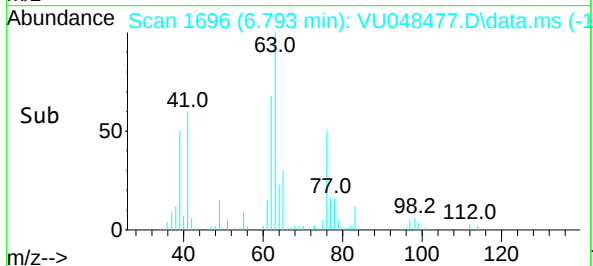
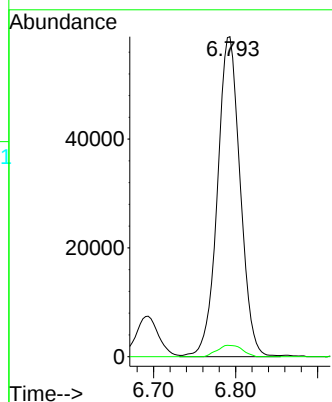
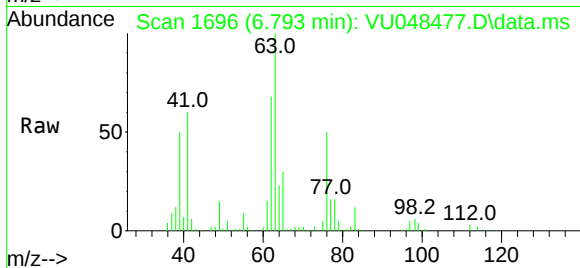
VSTD050119

Tgt Ion: 63 Resp: 113574

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 52.341 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

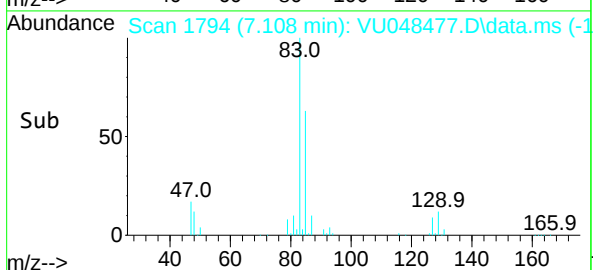
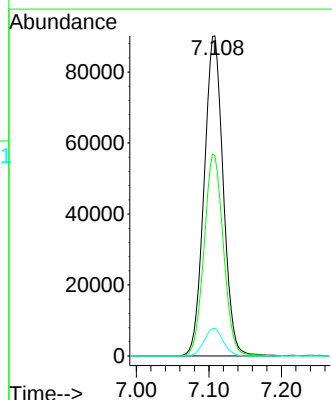
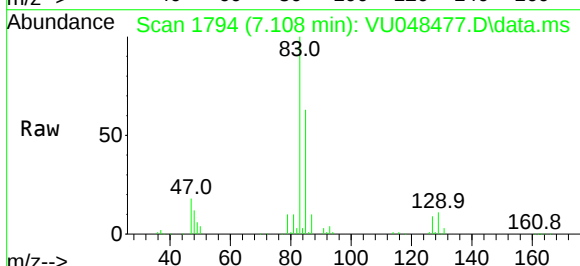
Tgt Ion: 83 Resp: 164694

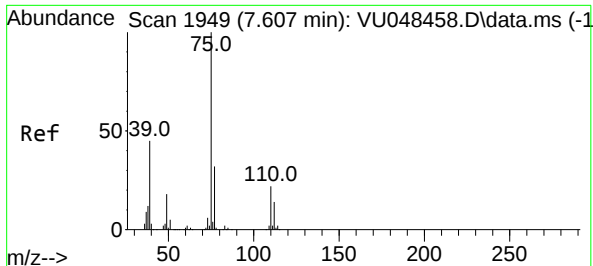
Ion Ratio Lower Upper

83 100

85 62.6 45.5 84.5

127 8.6 6.9 10.3

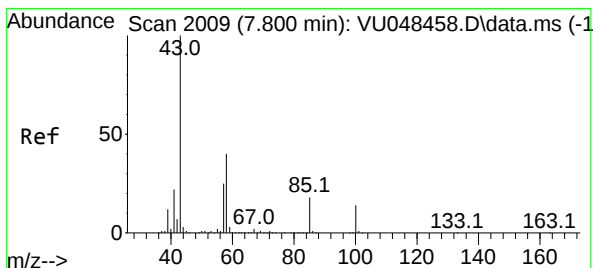
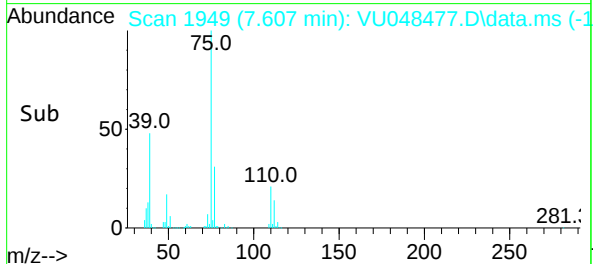
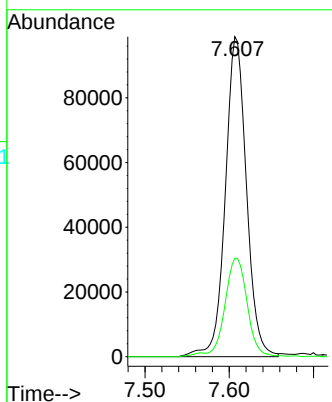
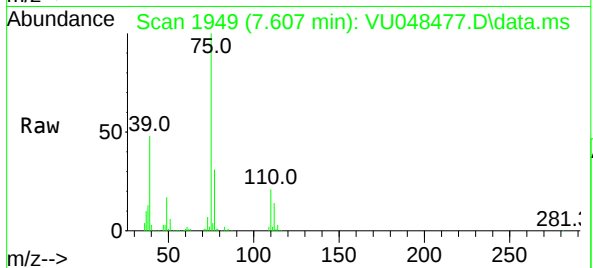




#39
cis-1,3-Dichloropropene
Concen: 46.744 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

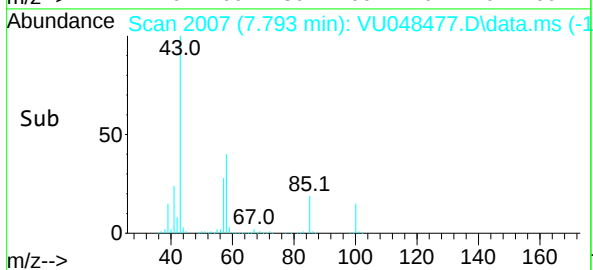
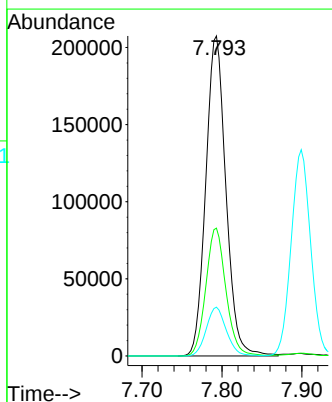
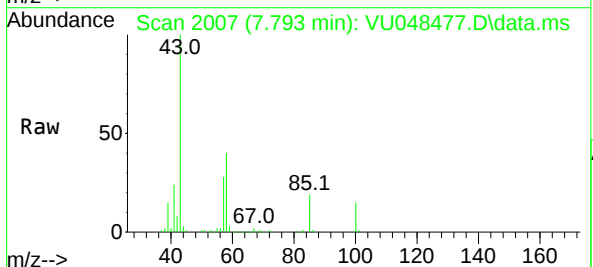
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

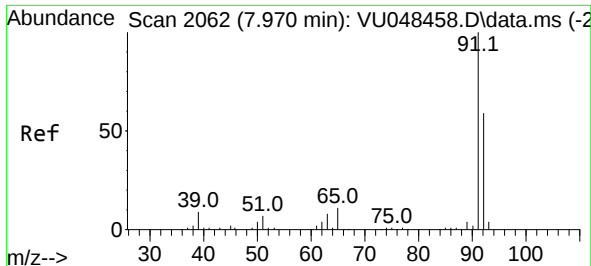
Tgt Ion: 75 Resp: 171815
Ion Ratio Lower Upper
75 100
77 30.8 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 87.639 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. -0.007 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 43 Resp: 362876
Ion Ratio Lower Upper
43 100
58 39.9 31.0 46.4
100 15.2 11.2 16.8





#42

Toluene

Concen: 47.382 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

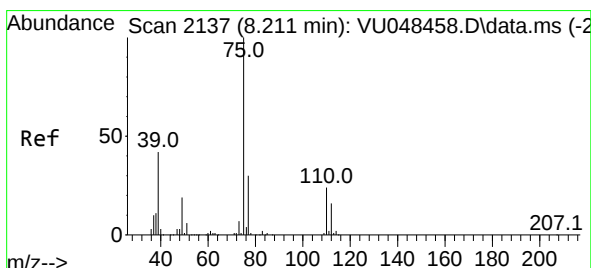
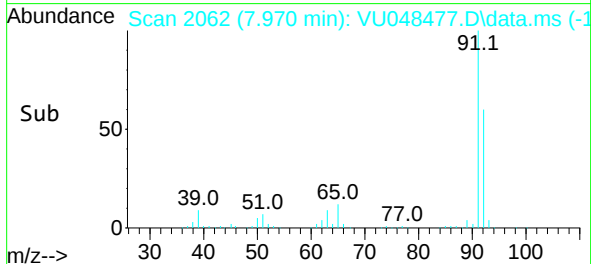
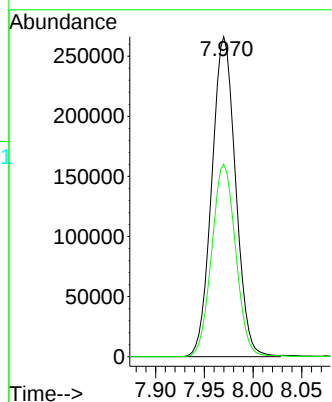
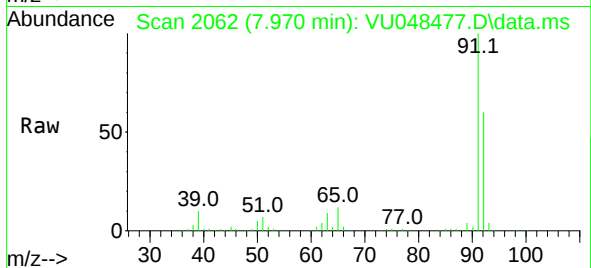
VSTD050119

Tgt Ion: 91 Resp: 452789

Ion Ratio Lower Upper

91 100

92 60.1 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 48.191 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048477.D

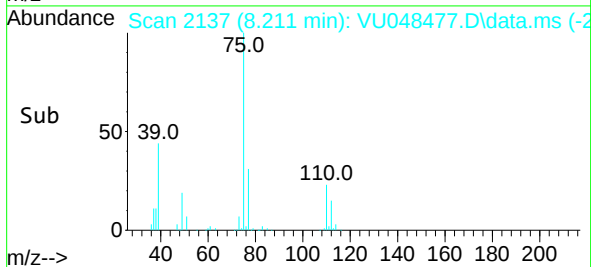
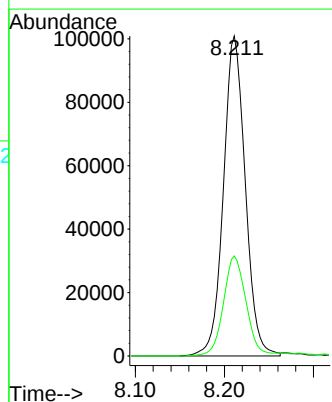
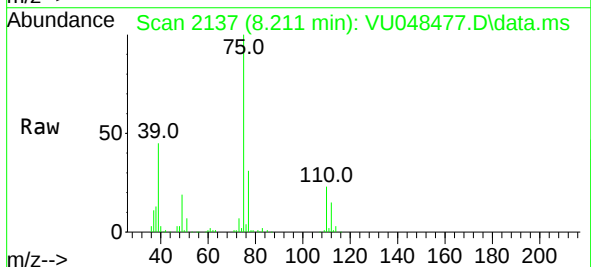
Acq: 07 May 2022 00:04

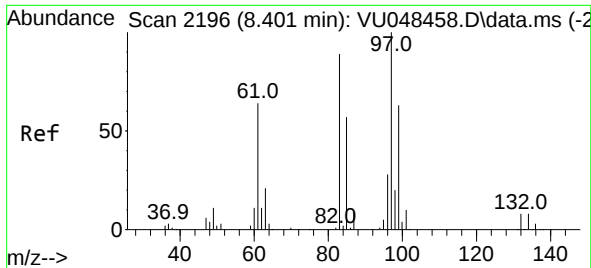
Tgt Ion: 75 Resp: 172138

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



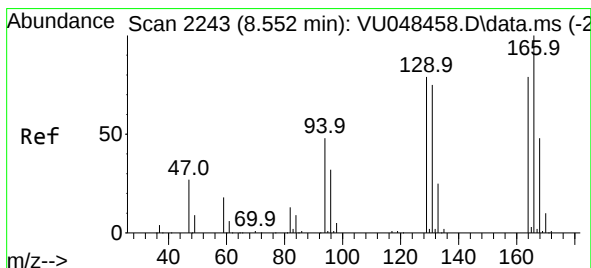
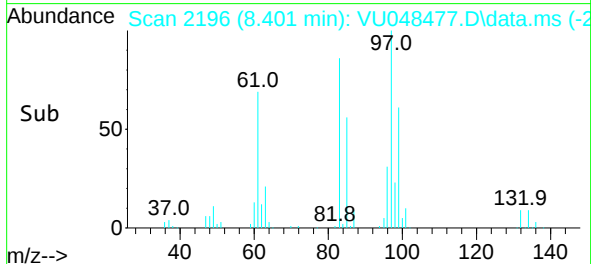
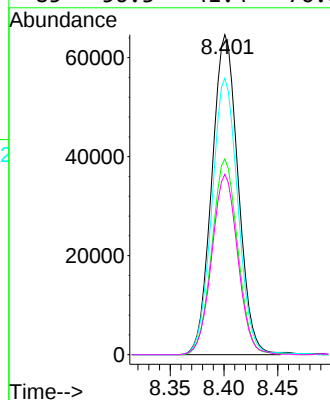
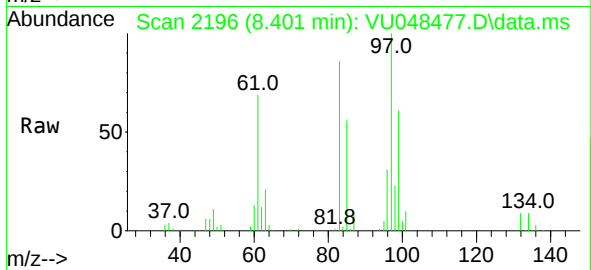


#45
1,1,2-Trichloroethane
Concen: 47.051 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

Tgt Ion: 97 Resp: 109958

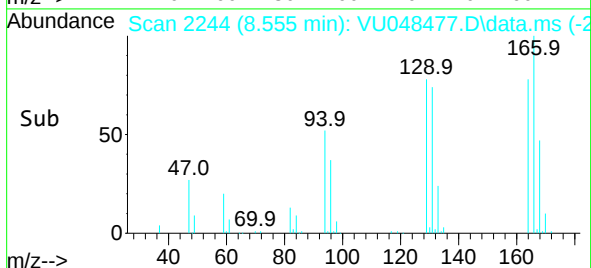
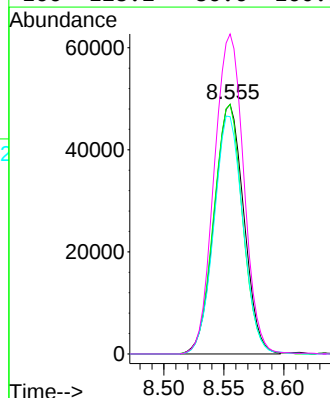
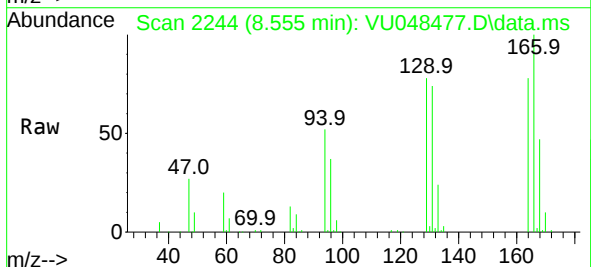
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.5	80.9
83	86.4	60.5	112.5
85	56.3	41.4	76.8

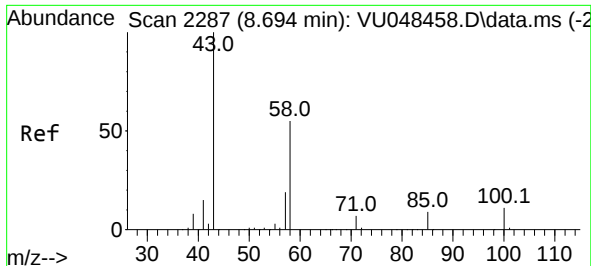


#46
Tetrachloroethene
Concen: 49.068 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 164 Resp: 83895

Ion	Ratio	Lower	Upper
164	100		
129	100.0	69.2	128.6
131	95.1	65.2	121.0
166	128.2	86.6	160.8



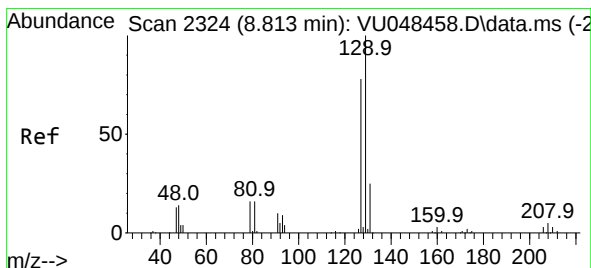
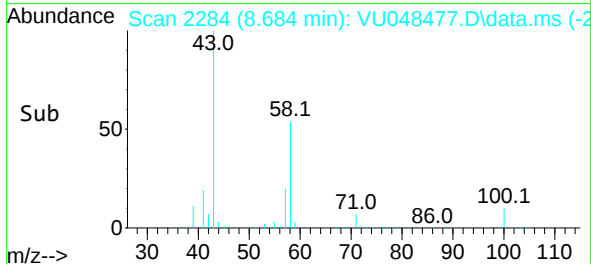
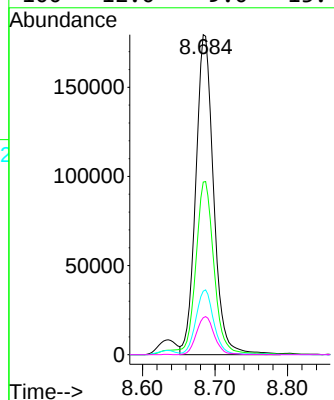
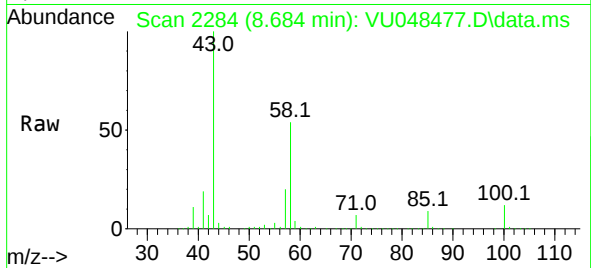


#48
2-Hexanone
Concen: 89.370 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

Tgt Ion: 43 Resp: 307531

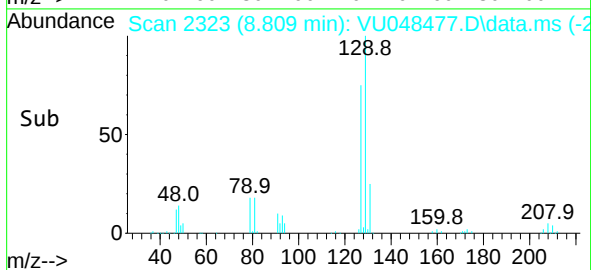
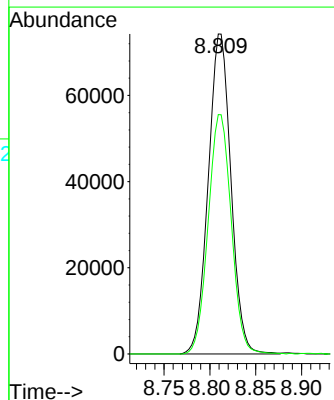
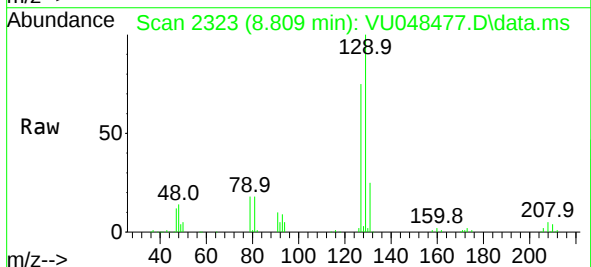
Ion	Ratio	Lower	Upper
43	100		
58	53.3	44.3	66.5
57	19.8	15.7	23.5
100	12.0	9.0	13.4

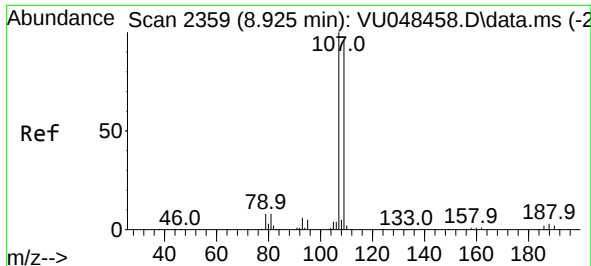


#49
Dibromochloromethane
Concen: 50.899 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 129 Resp: 127744

Ion	Ratio	Lower	Upper
129	100		
127	74.8	55.2	102.4

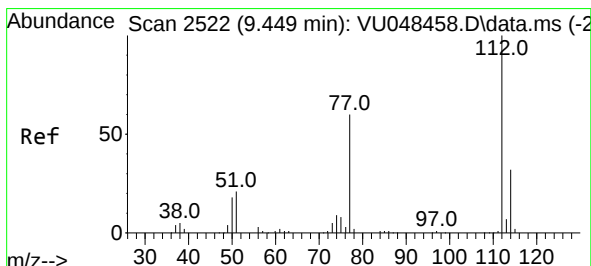
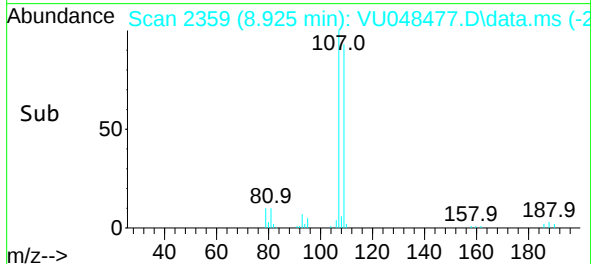
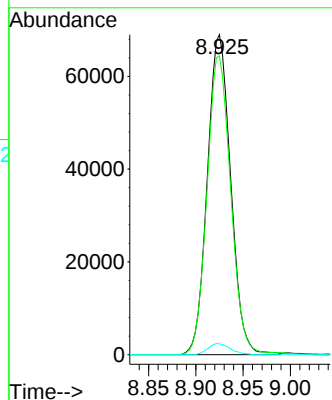
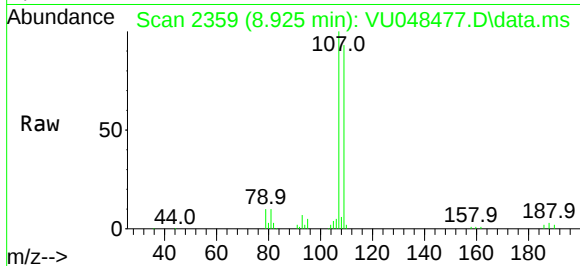




#50
1,2-Dibromoethane
Concen: 48.053 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

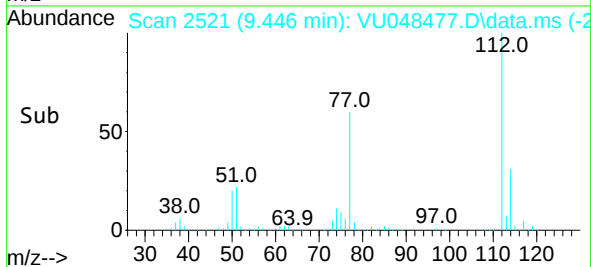
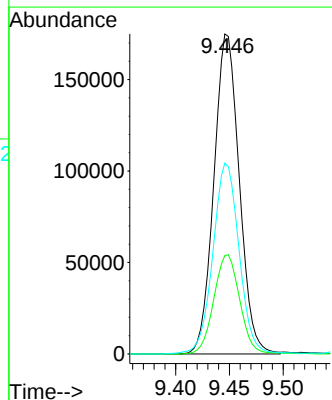
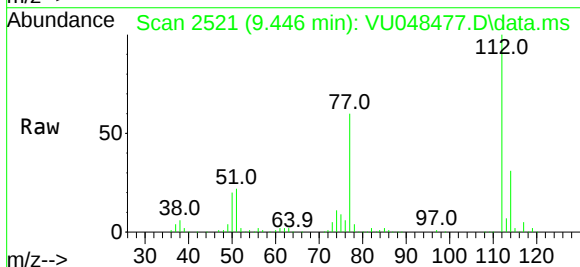
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

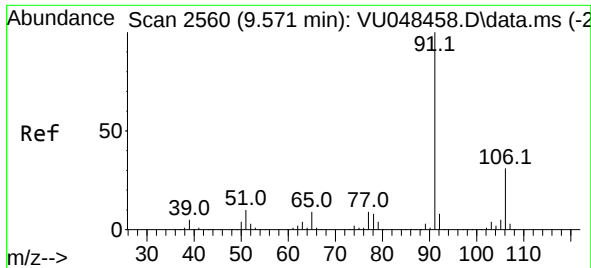
Tgt Ion:107 Resp: 118709
Ion Ratio Lower Upper
107 100
109 93.4 65.7 122.1
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 47.741 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:112 Resp: 287456
Ion Ratio Lower Upper
112 100
114 30.8 23.0 42.6
77 59.7 48.4 72.6

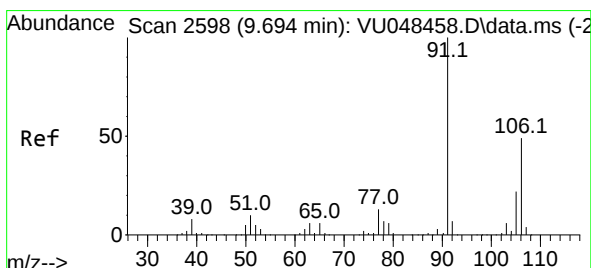
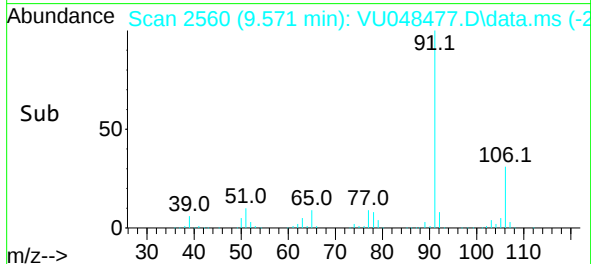
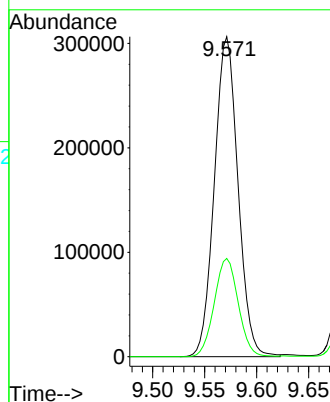
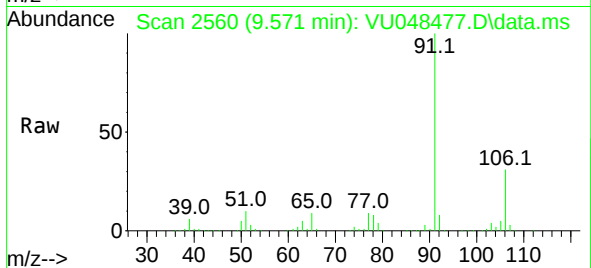




#52
Ethylbenzene
Concen: 48.625 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

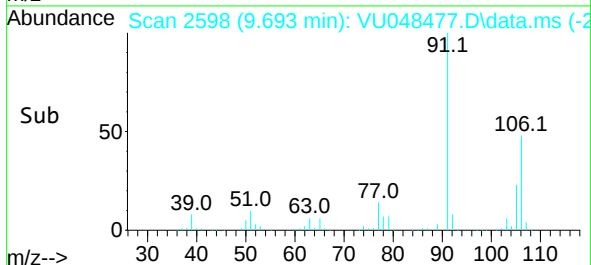
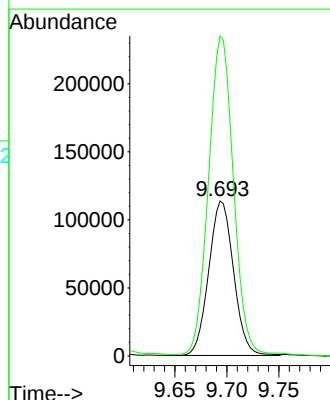
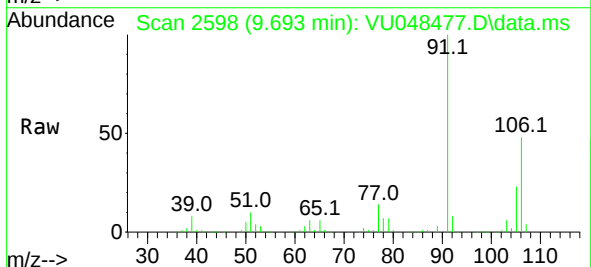
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

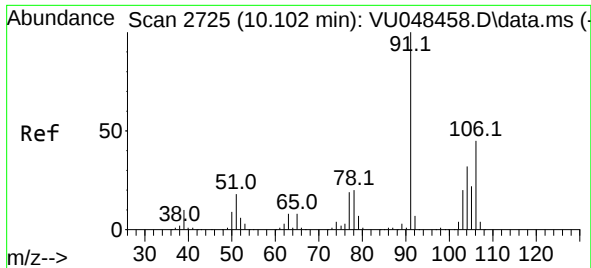
Tgt Ion: 91 Resp: 484040
Ion Ratio Lower Upper
91 100
106 30.7 21.7 40.3



#53
m,p-Xylene
Concen: 49.013 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:106 Resp: 188329
Ion Ratio Lower Upper
106 100
91 206.4 144.1 267.7

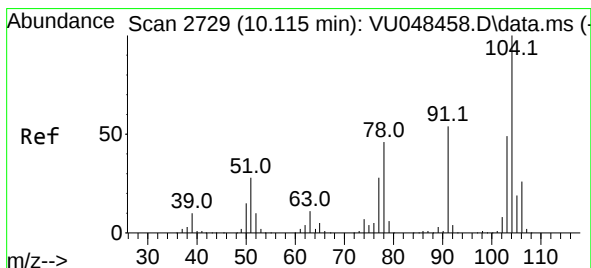
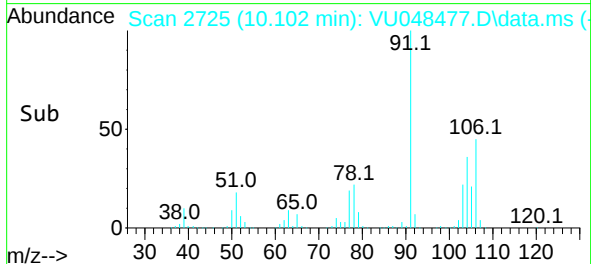
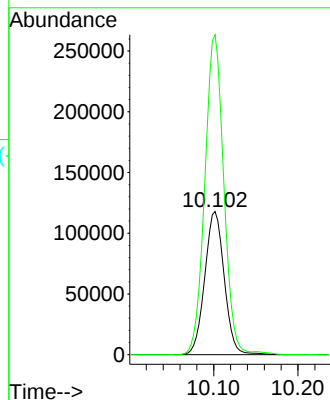
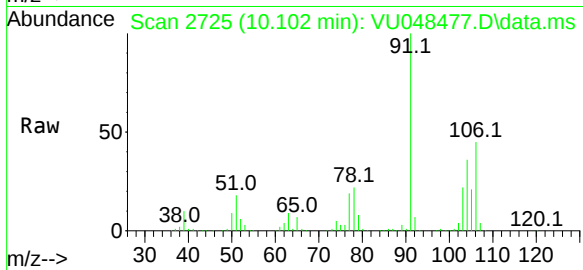




#54
o-Xylene
Concen: 49.175 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

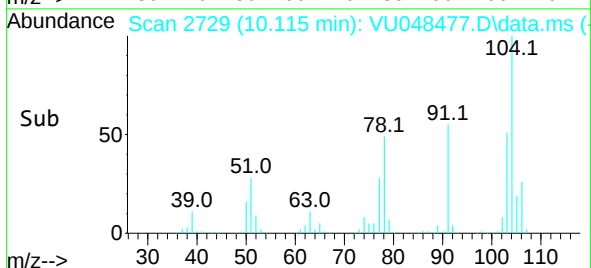
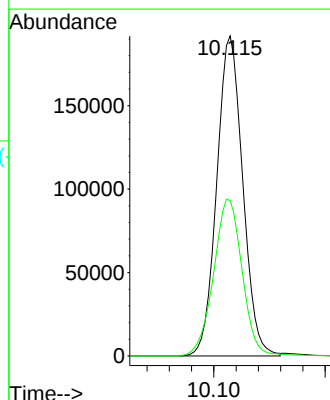
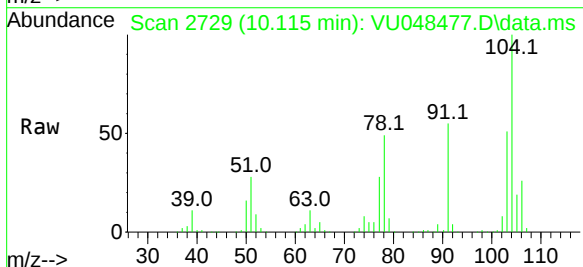
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

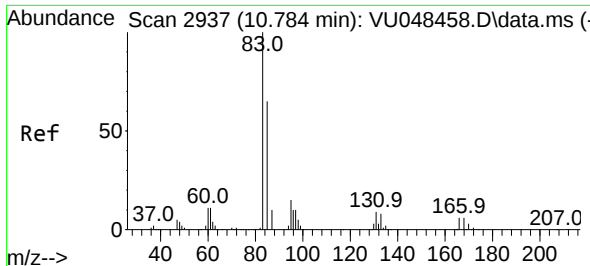
Tgt Ion:106 Resp: 190099
Ion Ratio Lower Upper
106 100
91 223.4 148.8 276.4



#55
Styrene
Concen: 49.444 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:104 Resp: 310772
Ion Ratio Lower Upper
104 100
78 48.6 33.4 62.0

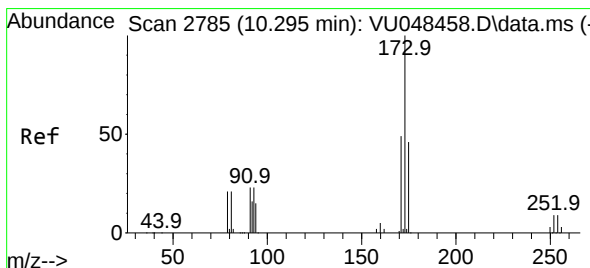
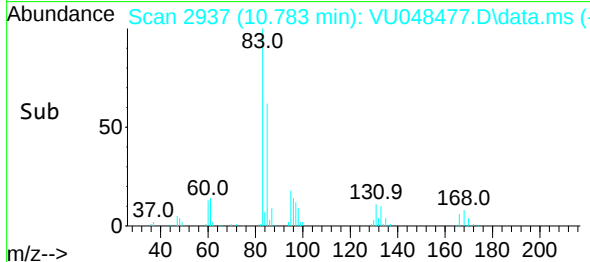
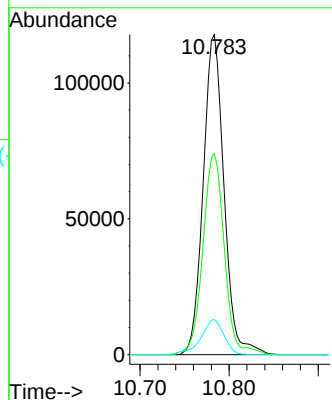
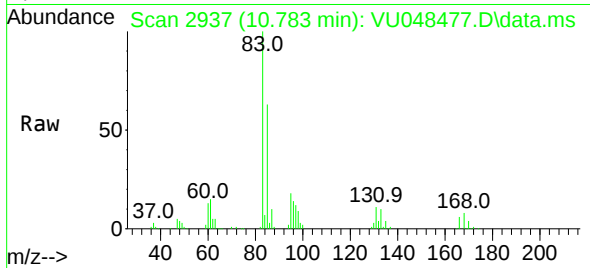




#57
1,1,2,2-Tetrachloroethane
Concen: 43.617 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

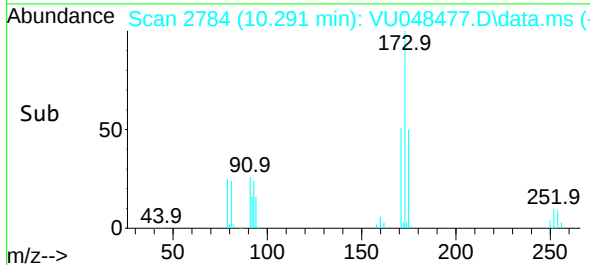
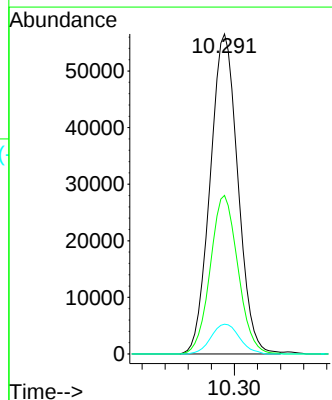
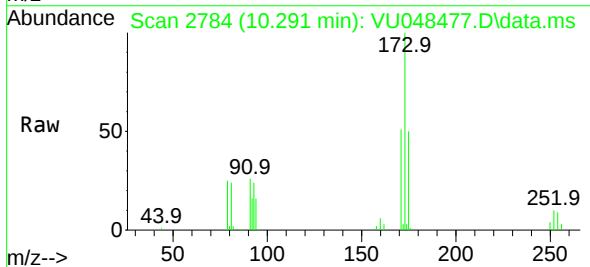
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

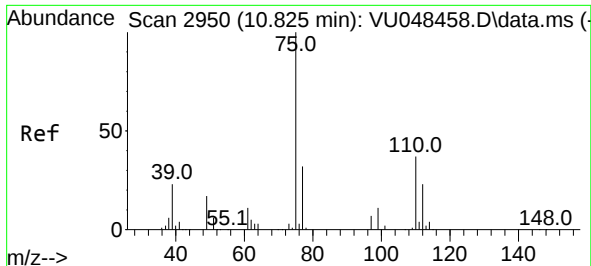
Tgt Ion: 83 Resp: 191045
Ion Ratio Lower Upper
83 100
85 62.9 45.4 84.4
131 11.0 7.4 11.0



#59
Bromoform
Concen: 46.927 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:173 Resp: 94174
Ion Ratio Lower Upper
173 100
175 49.5 39.1 58.7
254 9.6 7.3 10.9

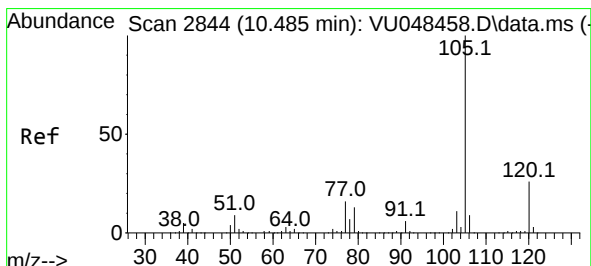
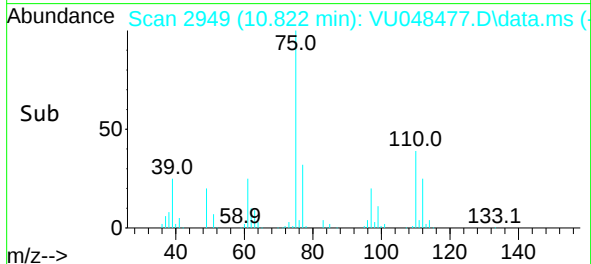
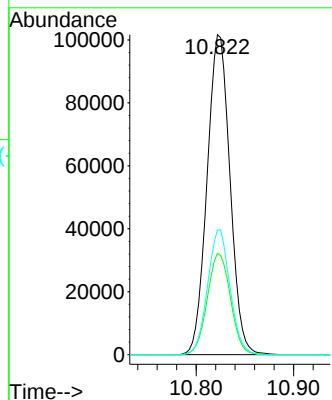
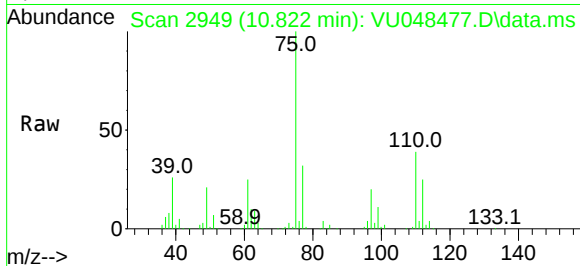




#60
1,2,3-Trichloropropane
Concen: 44.943 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

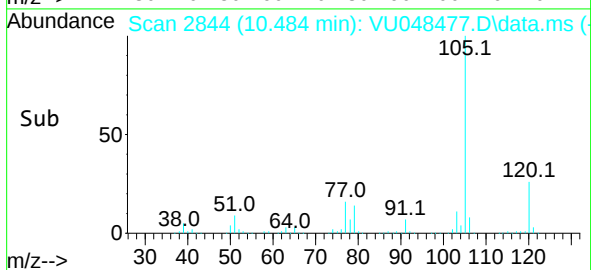
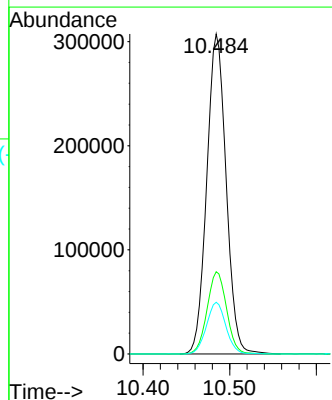
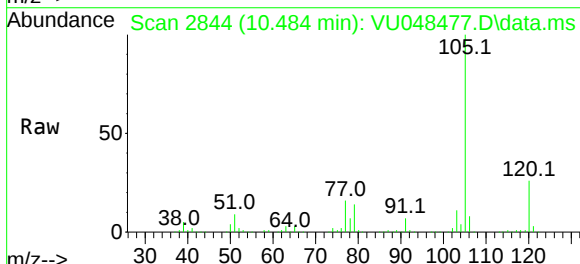
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

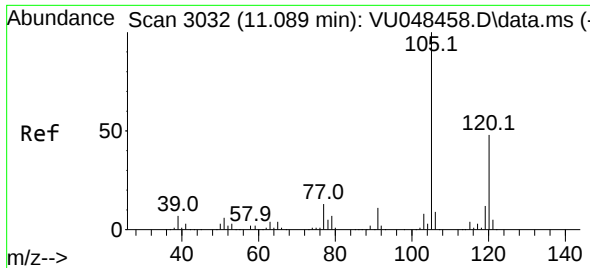
Tgt Ion: 75 Resp: 166006
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
110 38.2 28.9 43.3



#61
Isopropylbenzene
Concen: 48.149 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion: 105 Resp: 477414
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.4
77 16.2 12.5 18.7

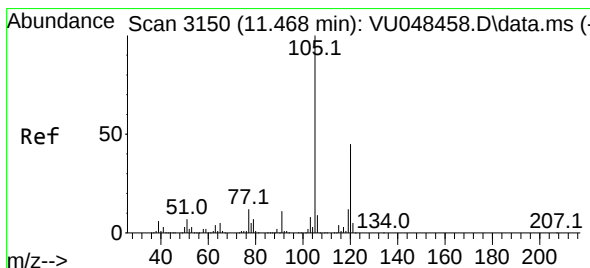
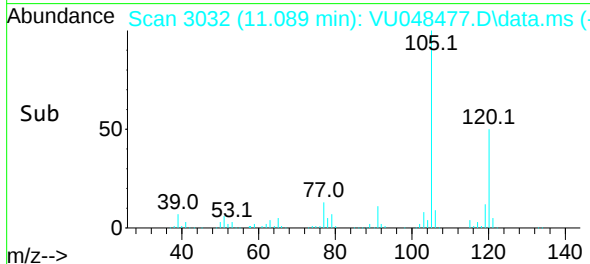
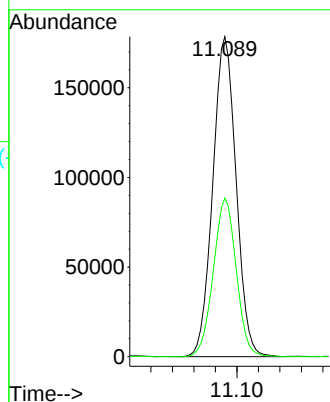
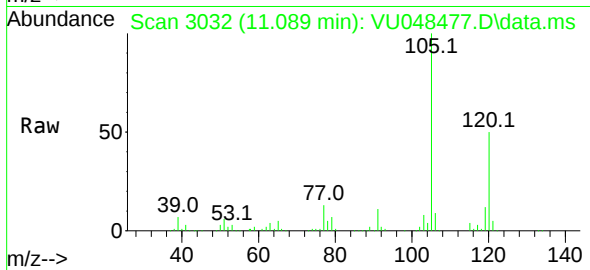




#62
1,3,5-Trimethylbenzene
Concen: 49.164 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

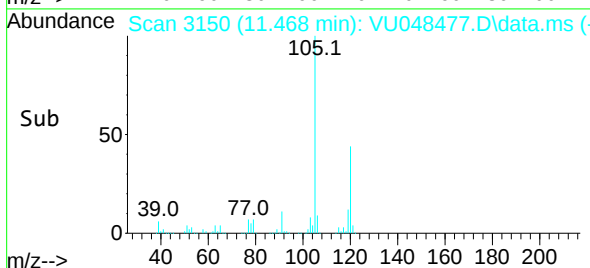
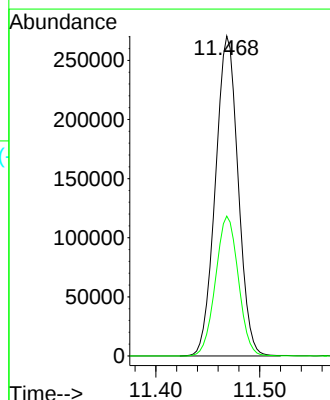
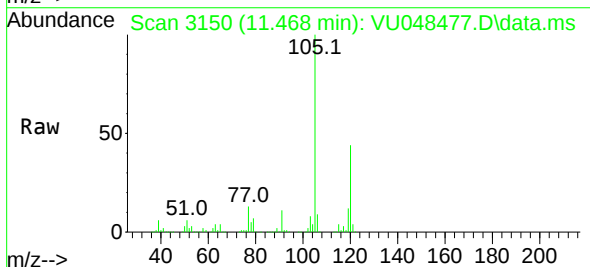
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

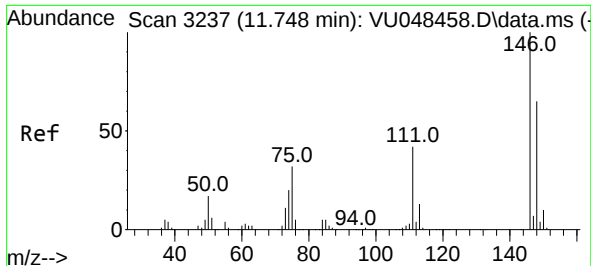
Tgt Ion:105 Resp: 268723
Ion Ratio Lower Upper
105 100
120 48.8 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 50.521 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:105 Resp: 411251
Ion Ratio Lower Upper
105 100
120 43.9 35.4 53.2

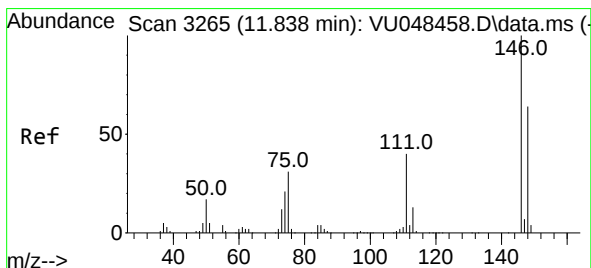
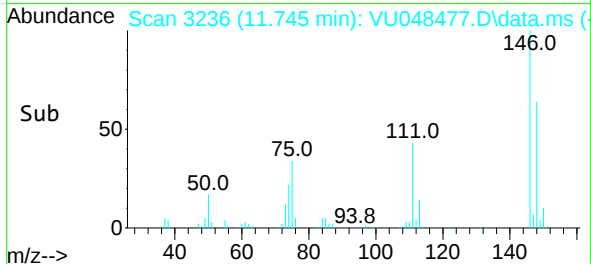
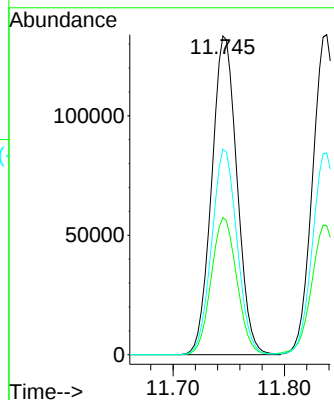
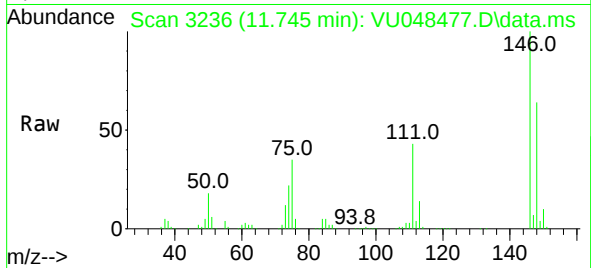




#64
1,3-Dichlorobenzene
Concen: 45.169 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

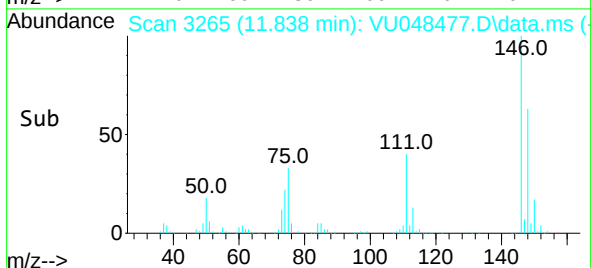
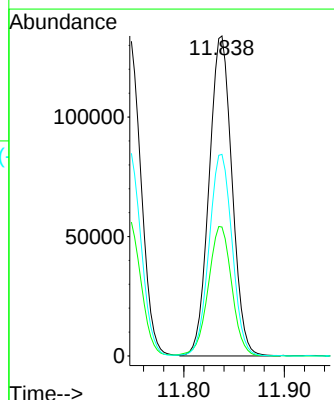
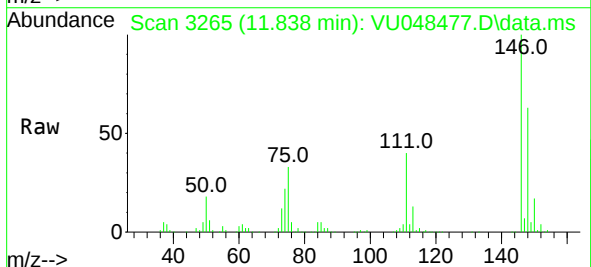
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

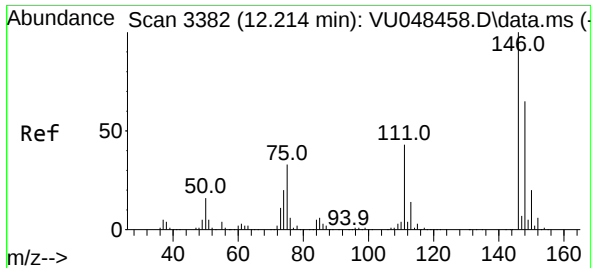
Tgt Ion:146 Resp: 211229
Ion Ratio Lower Upper
146 100
111 43.0 28.3 52.7
148 64.4 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 45.297 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:146 Resp: 212378
Ion Ratio Lower Upper
146 100
111 40.3 28.4 52.8
148 63.0 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 45.293 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

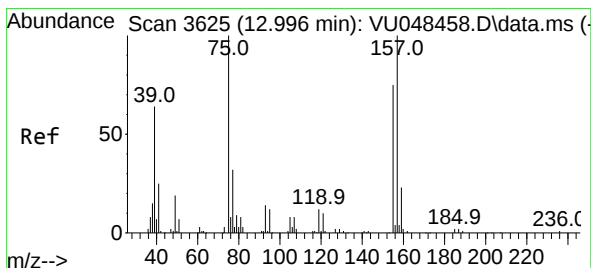
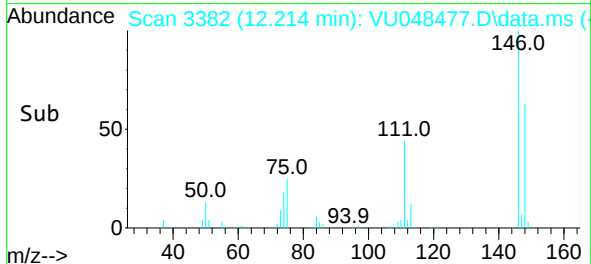
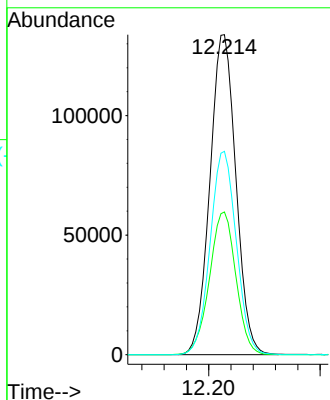
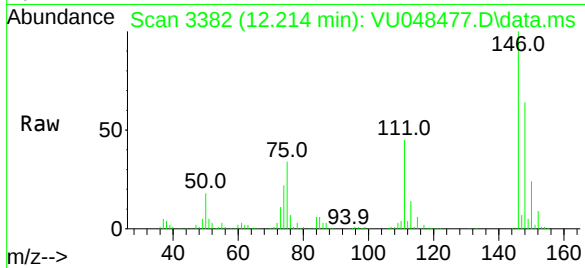
Tgt Ion:146 Resp: 216755

Ion Ratio Lower Upper

146 100

111 44.6 34.9 52.3

148 63.6 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.258 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048477.D

Acq: 07 May 2022 00:04

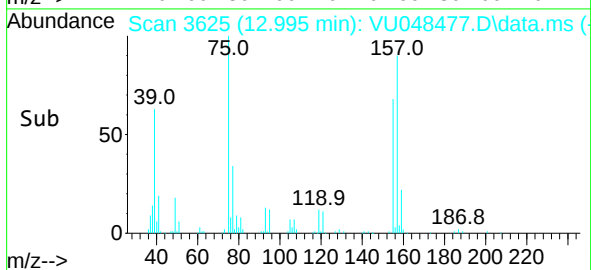
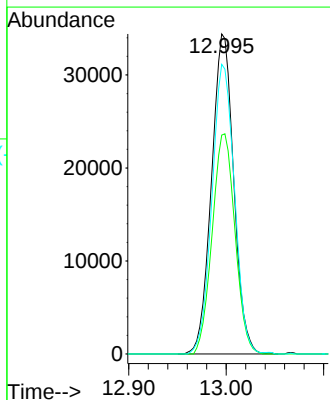
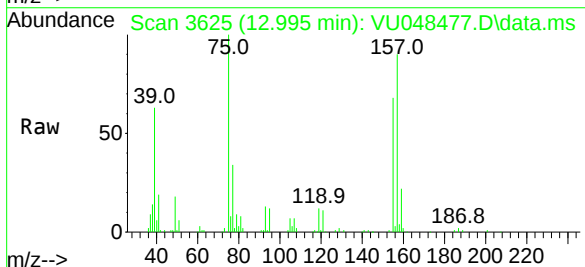
Tgt Ion: 75 Resp: 54409

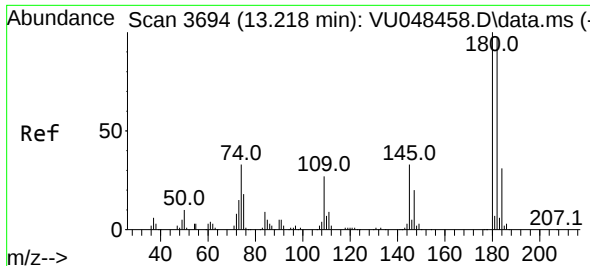
Ion Ratio Lower Upper

75 100

155 68.4 63.4 95.0

157 90.5 82.2 123.2

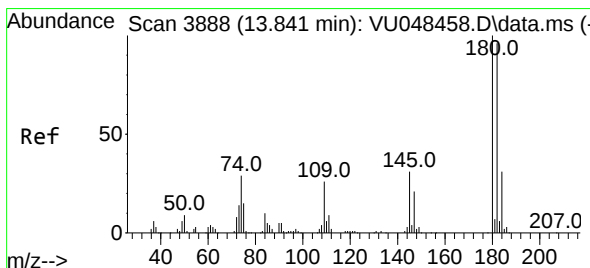
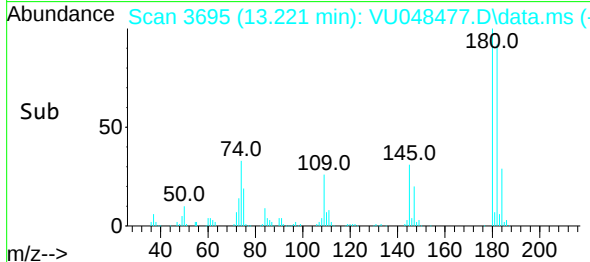
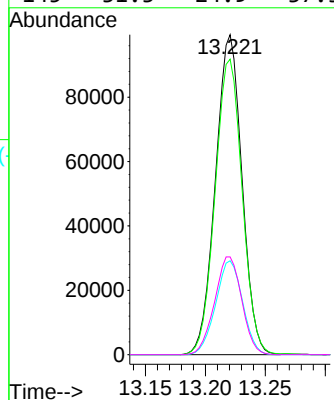
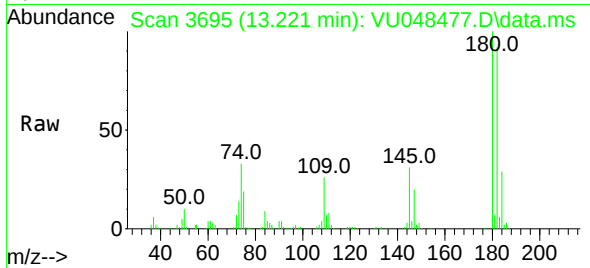




#69
 1,3,5-Trichlorobenzene
 Concen: 46.172 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

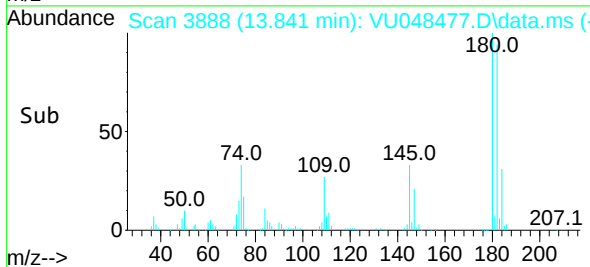
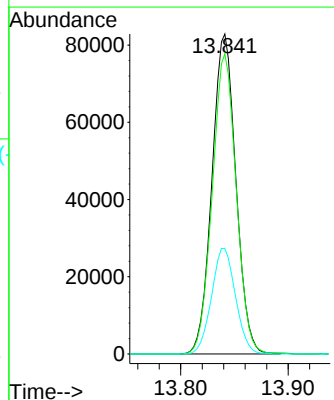
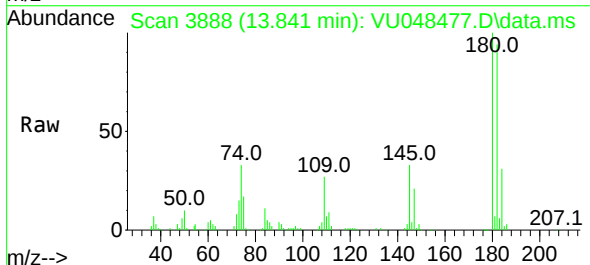
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

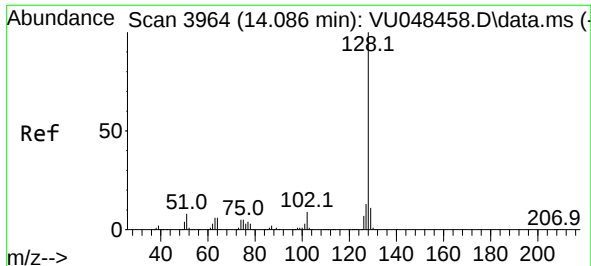
Tgt Ion:180	Resp: 152666
Ion Ratio	Lower Upper
180	100
182	94.2 75.7 113.5
184	29.7 23.8 35.8
145	31.3 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 44.545 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048477.D
 Acq: 07 May 2022 00:04

Tgt Ion:180	Resp: 127909
Ion Ratio	Lower Upper
180	100
182	93.9 77.1 115.7
145	33.2 24.9 37.3



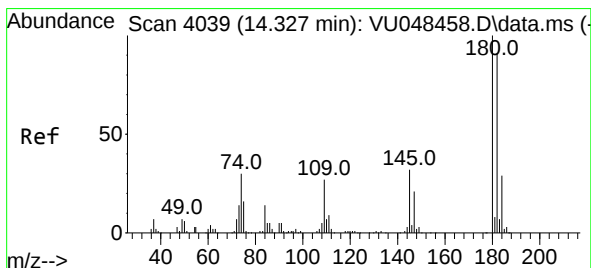
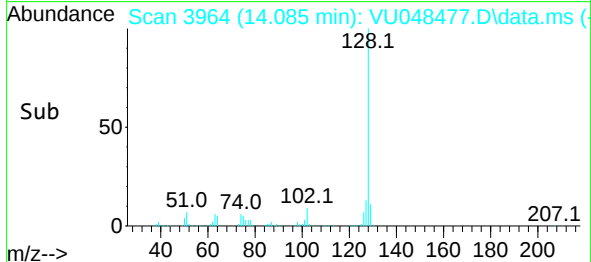
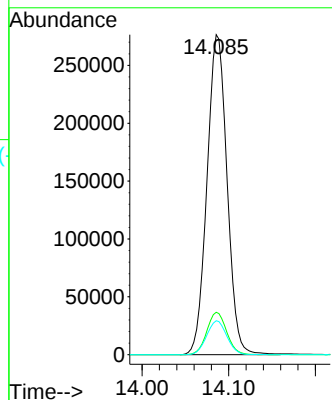
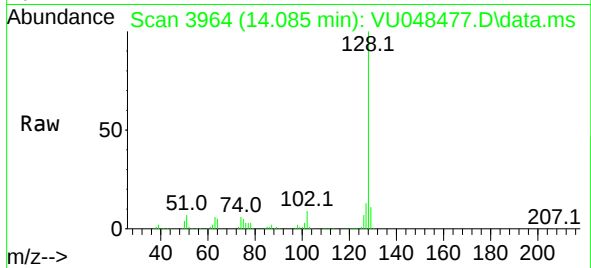


#71
Naphthalene
Concen: 40.260 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

Tgt Ion:128 Resp: 445195

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.955 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU048477.D
Acq: 07 May 2022 00:04

Tgt Ion:180 Resp: 137292

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.2
145	34.7	26.4	39.6

