

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042522\
 Data File : VU048261.D
 Acq On : 25 Apr 2022 10:42
 Operator : SY/MD
 Sample : VSTD05058
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050058

Quant Time: Apr 26 02:20:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 26 02:18:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	399413	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	422643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	256599	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	184522	60.848	ug/L	0.00
7) Chloroethane-d5	1.883	69	141592	59.577	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	300296	54.494	ug/L	0.00
21) 2-Butanone-d5	4.623	46	327608	124.631	ug/L	0.00
24) Chloroform-d	5.063	84	339403	60.692	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	200449	58.944	ug/L	0.00
32) Benzene-d6	5.726	84	694755	62.261	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	226401	64.651	ug/L	0.00
41) Toluene-d8	7.899	98	640009	59.668	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	101632	58.960	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	272243	131.857	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	406471	66.630	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	289829	60.078	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	161489	43.118	ug/L	100
3) Chloromethane	1.520	50	175623	48.051	ug/L	100
5) Vinyl chloride	1.607	62	182692	48.739	ug/L	100
6) Bromomethane	1.832	94	73954	38.337	ug/L	100
8) Chloroethane	1.906	64	109991	47.069	ug/L	100
9) Trichlorofluoromethane	2.125	101	248074	47.350	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	156896	50.744	ug/L	100
12) 1,1-Dichloroethene	2.575	96	139327	48.796	ug/L	100
13) Acetone	2.626	43	199497	83.843	ug/L	100
14) Carbon disulfide	2.787	76	341081	39.410	ug/L	100
15) Methyl Acetate	2.948	43	213867	54.233	ug/L	100
16) Methylene chloride	3.044	84	181182	53.946	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	145835	47.533	ug/L	100
18) Methyl tert-butyl Ether	3.362	73	494140	54.998	ug/L	100
19) 1,1-Dichloroethane	3.867	63	303043	55.409	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	179550	52.116	ug/L	100
22) 2-Butanone	4.703	43	324918	102.348	ug/L	100
23) Bromochloromethane	4.973	128	98929	52.601	ug/L	100
25) Chloroform	5.086	83	312177	53.420	ug/L	100
27) 1,2-Dichloroethane	5.793	62	226300	50.666	ug/L	100
29) Cyclohexane	5.388	56	223254	49.825	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	257041	51.165	ug/L	100
31) Carbon tetrachloride	5.523	117	218952	48.934	ug/L	100
33) Benzene	5.774	78	687435	53.210	ug/L	100
34) Trichloroethene	6.542	95	162925	48.894	ug/L	100
35) Methylcyclohexane	6.761	83	240379	47.632	ug/L	100
37) 1,2-Dichloropropane	6.790	63	194285	57.705	ug/L	100
38) Bromodichloromethane	7.105	83	240438	53.203	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	270204	52.765	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	632149	117.548	ug/L	100
42) Toluene	7.970	91	736996	52.327	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	268798	52.686	ug/L	100

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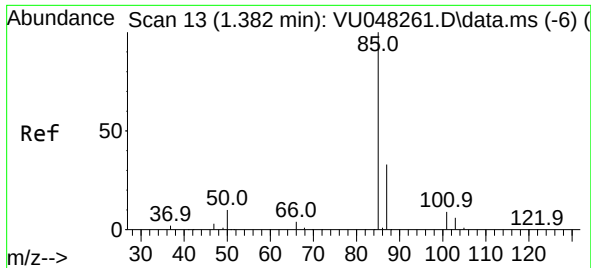
Quant Time: Apr 26 02:20:17 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	203998	57.172	ug/L	100
46) Tetrachloroethene	8.552	164	143194	48.048	ug/L	100
48) 2-Hexanone	8.690	43	527096	114.885	ug/L	100
49) Dibromochloromethane	8.812	129	221749	54.330	ug/L	100
50) 1,2-Dibromoethane	8.925	107	203164	52.032	ug/L	100
51) Chlorobenzene	9.449	112	503119	52.030	ug/L	100
52) Ethylbenzene	9.571	91	762337	51.169	ug/L	100
53) m,p-Xylene	9.693	106	310942	53.002	ug/L	100
54) o-Xylene	10.102	106	319125	54.928	ug/L	100
55) Styrene	10.115	104	557288	55.949	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	407396	59.941	ug/L	100
59) Bromoform	10.295	173	194423	55.075	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	312888	58.824	ug/L	100
61) Isopropylbenzene	10.484	105	805840	54.269	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	430040	53.255	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	696628	56.363	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	440556	53.441	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	429795	50.857	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	447986	54.194	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	84572	51.605	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	324896	49.382	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	255538	45.285	ug/L	100
71) Naphthalene	14.089	128	757785	45.082	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	267758	47.042	ug/L	100

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

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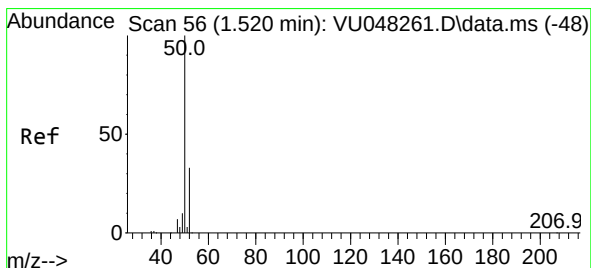
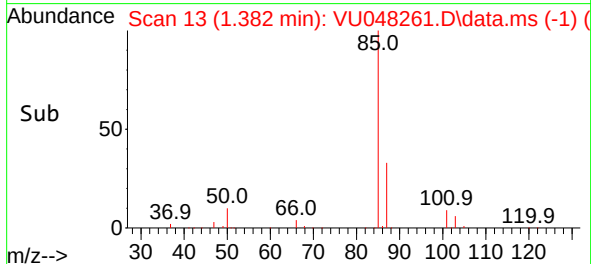
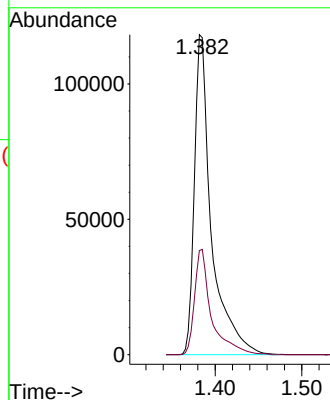
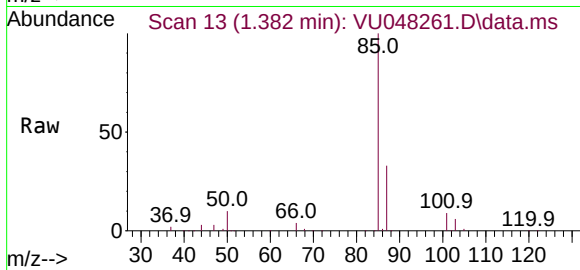




#2
Dichlorodifluoromethane
Concen: 43.118 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

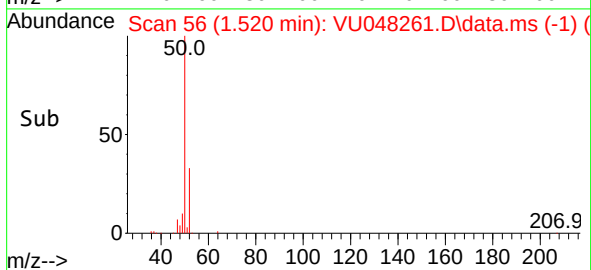
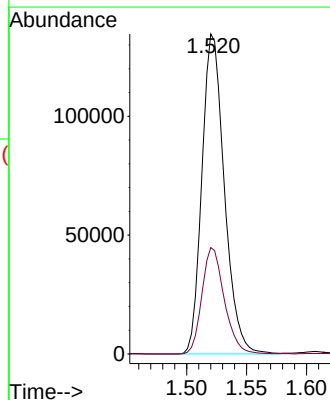
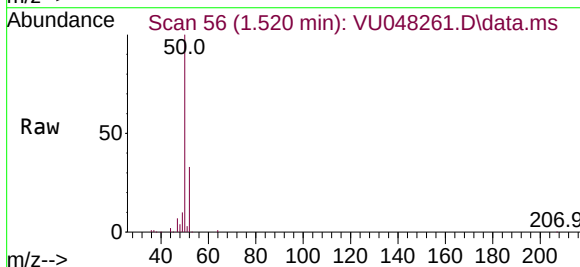
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

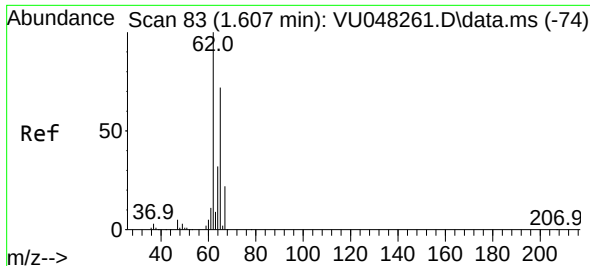
Tgt Ion: 85 Resp: 161489
Ion Ratio Lower Upper
85 100
87 32.6 26.1 39.1



#3
Chloromethane
Concen: 48.051 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 50 Resp: 175623
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2

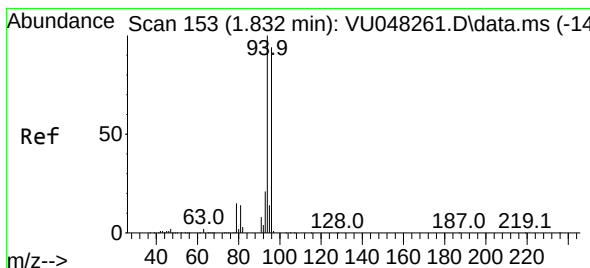
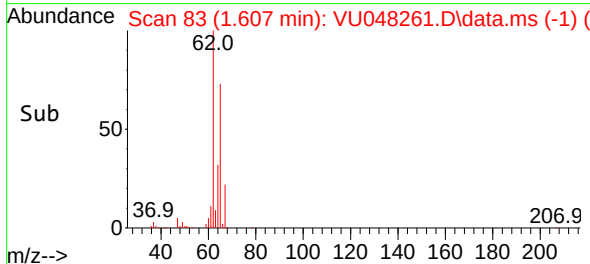
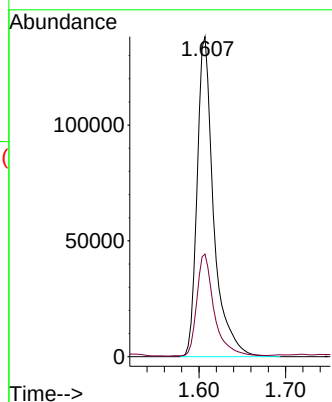
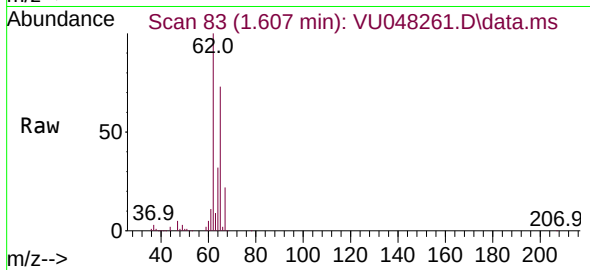




#5
 Vinyl chloride
 Concen: 48.739 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

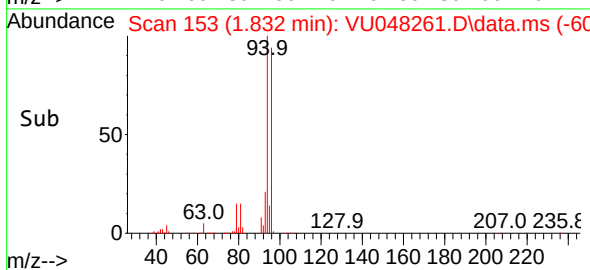
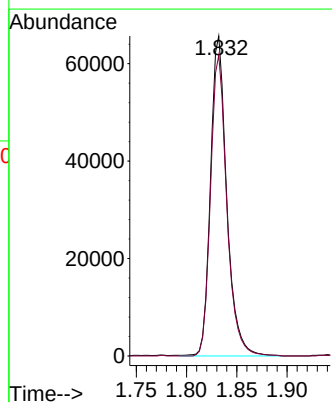
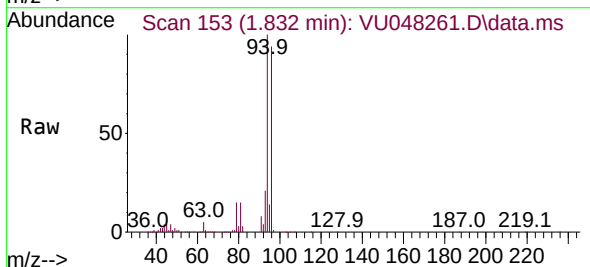
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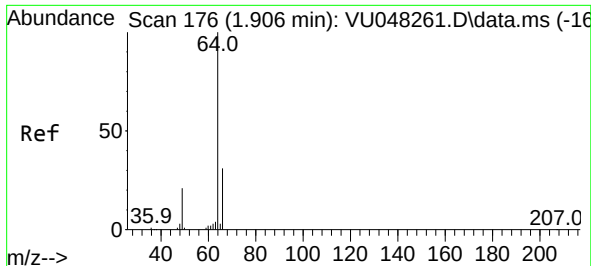
Tgt Ion: 62 Resp: 182692
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.5 41.7



#6
 Bromomethane
 Concen: 38.337 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

Tgt Ion: 94 Resp: 73954
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.8 122.2





#8

Chloroethane

Concen: 47.069 ug/L

RT: 1.906 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

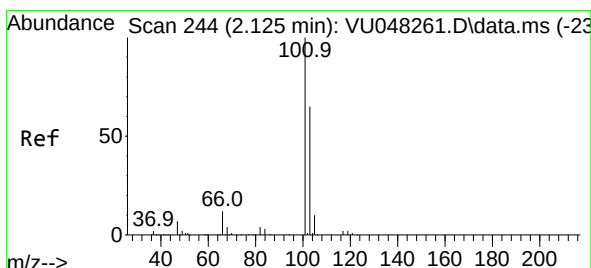
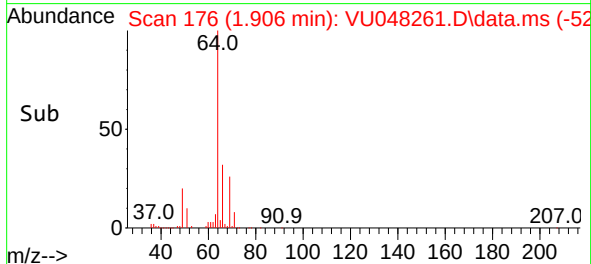
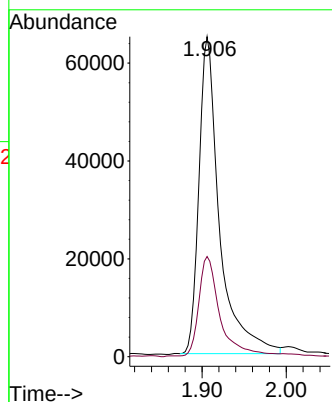
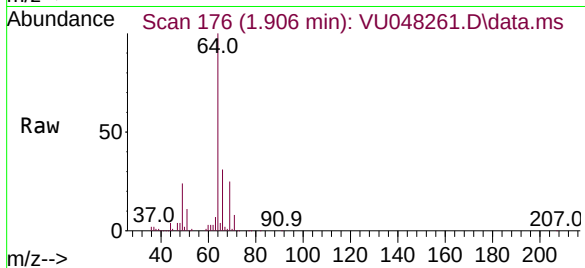
VSTD050058

Tgt Ion: 64 Resp: 109991

Ion Ratio Lower Upper

64 100

66 31.3 21.9 40.7



#9

Trichlorofluoromethane

Concen: 47.350 ug/L

RT: 2.125 min Scan# 244

Delta R.T. 0.000 min

Lab File: VU048261.D

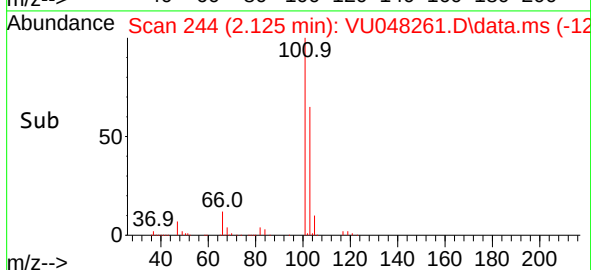
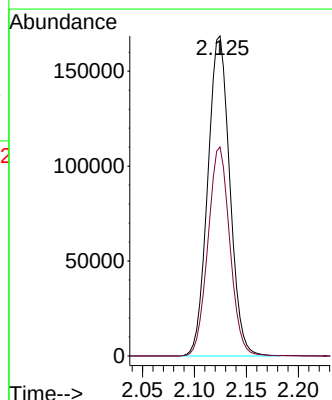
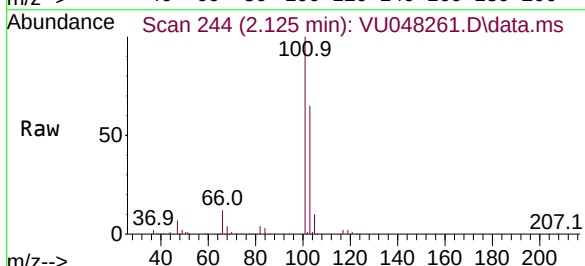
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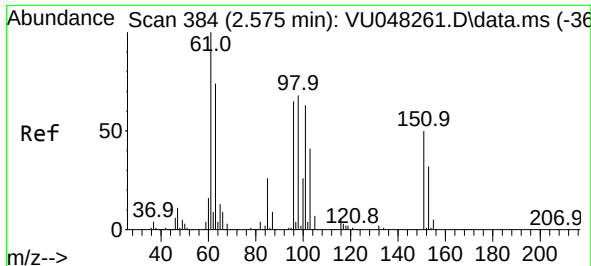
Tgt Ion:101 Resp: 248074

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9

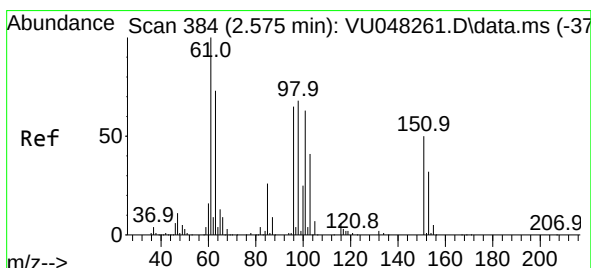
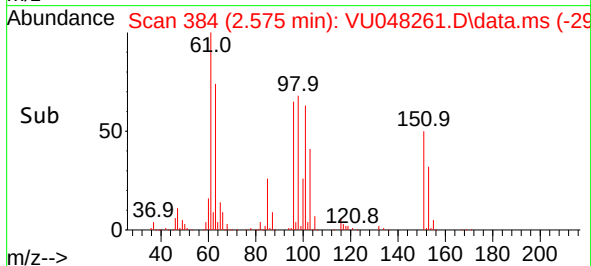
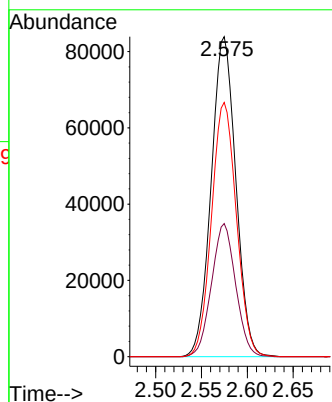
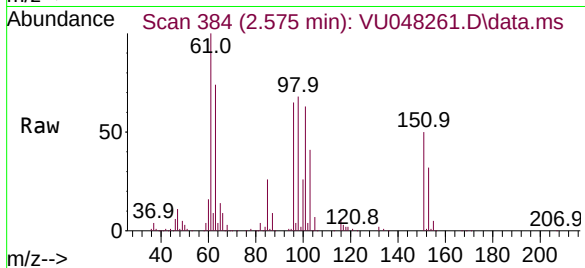




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.744 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

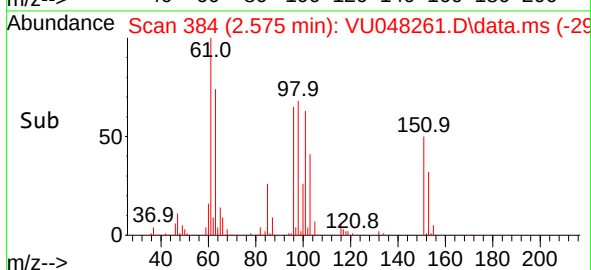
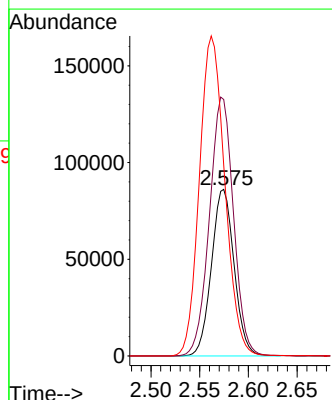
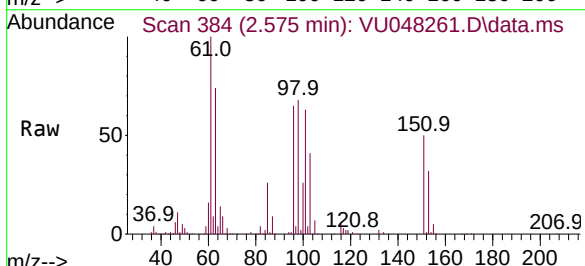
Instrument :
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 VSTD050058

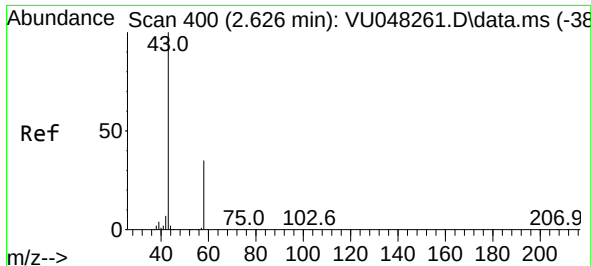
Tgt Ion:101 Resp: 156896
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.6 48.8
 151 80.1 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 48.796 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

Tgt Ion: 96 Resp: 139327
 Ion Ratio Lower Upper
 96 100
 61 154.1 107.9 200.3
 63 114.7 80.3 149.1





#13

Acetone

Concen: 83.843 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

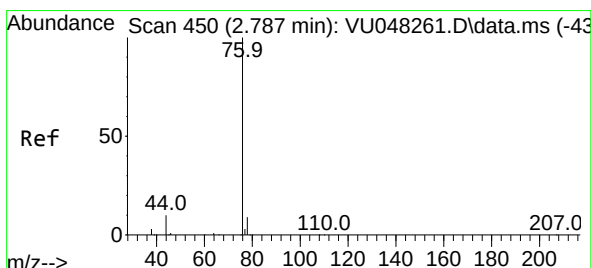
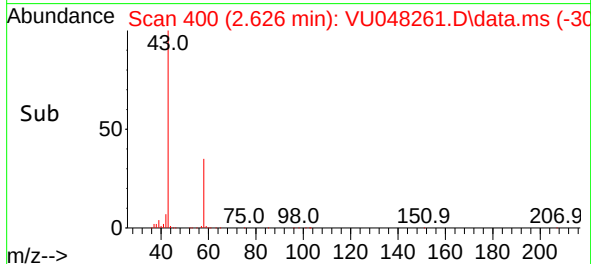
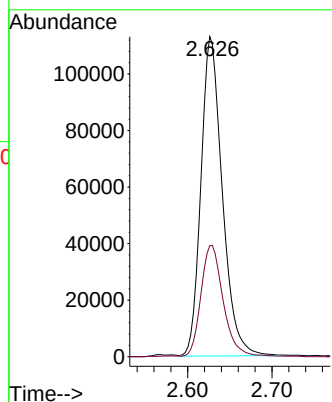
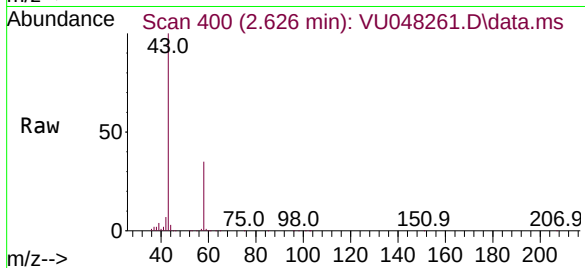
VSTD050058

Tgt Ion: 43 Resp: 199497

Ion Ratio Lower Upper

43 100

58 35.6 0.0 71.2



#14

Carbon disulfide

Concen: 39.410 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU048261.D

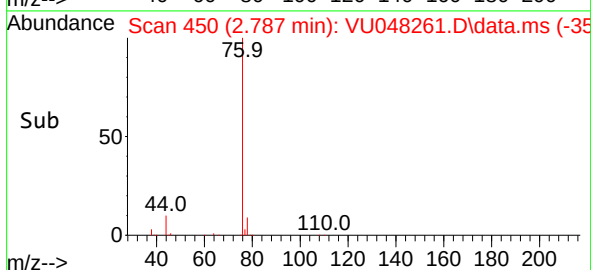
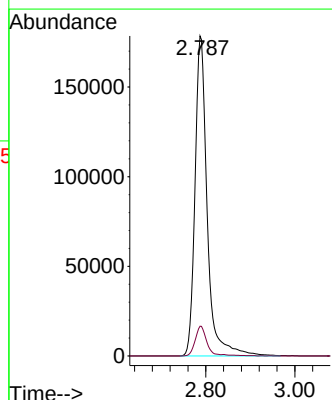
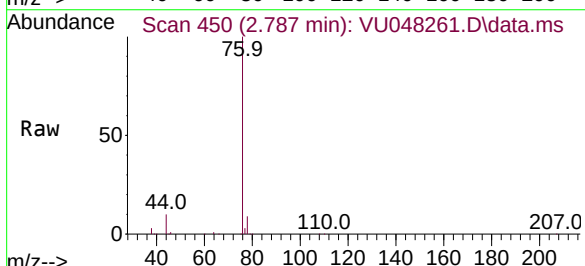
Acq: 25 Apr 2022 10:42

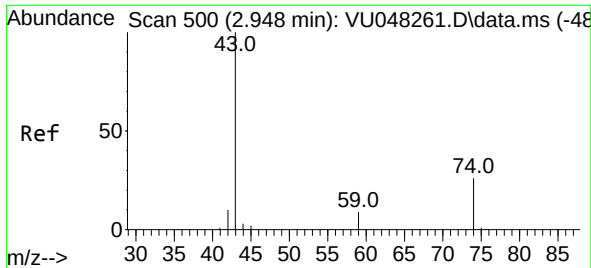
Tgt Ion: 76 Resp: 341081

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

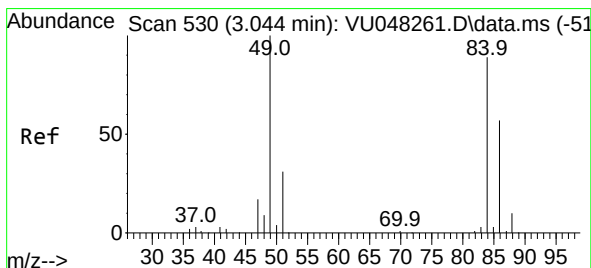
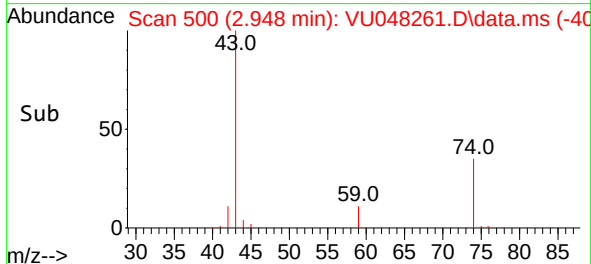
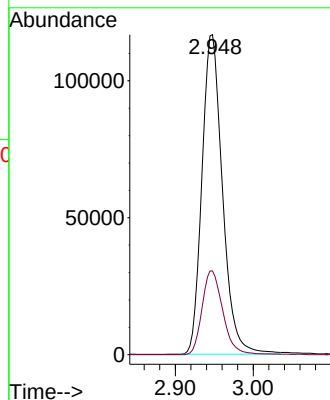
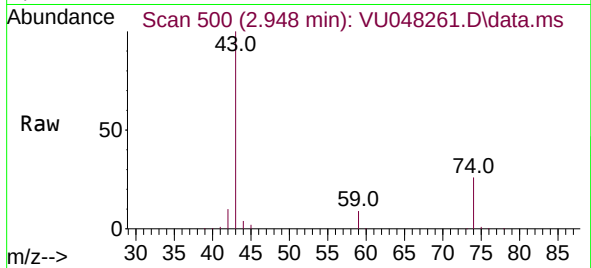




#15
Methyl Acetate
Concen: 54.233 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

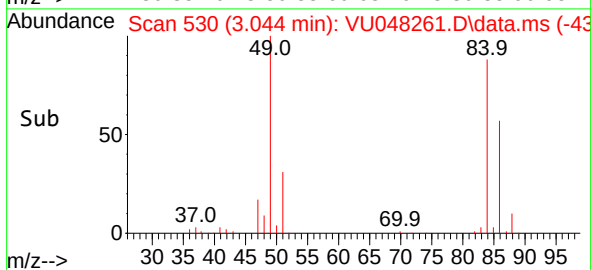
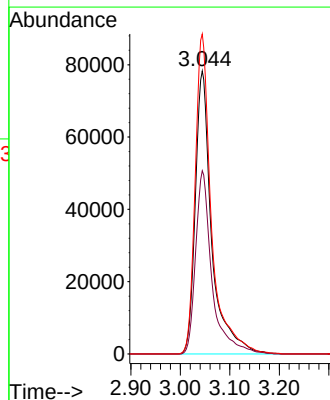
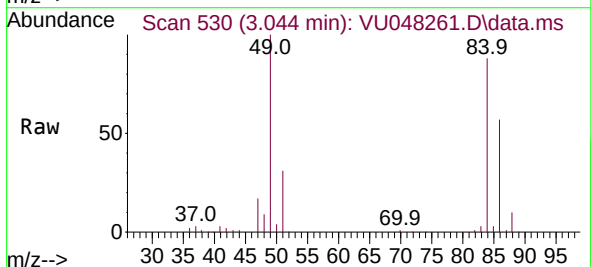
Instrument :
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ClientSampleId :
VSTD050058

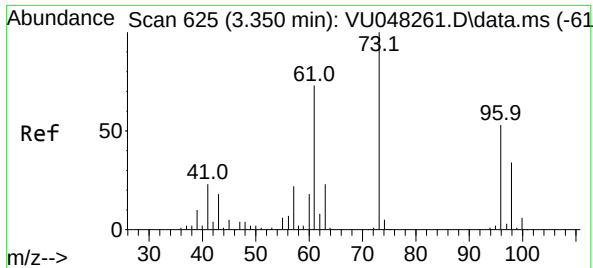
Tgt Ion: 43 Resp: 213867
Ion Ratio Lower Upper
43 100
74 26.3 21.0 31.6



#16
Methylene chloride
Concen: 53.946 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 84 Resp: 181182
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 113.1 79.2 147.0

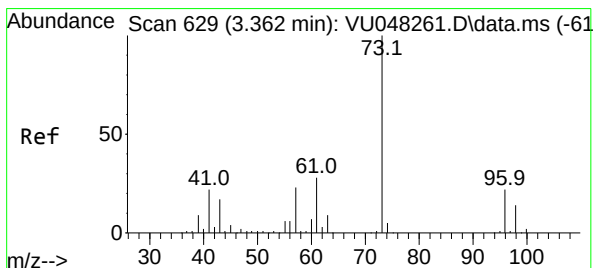
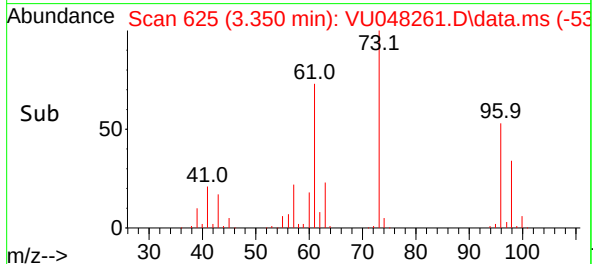
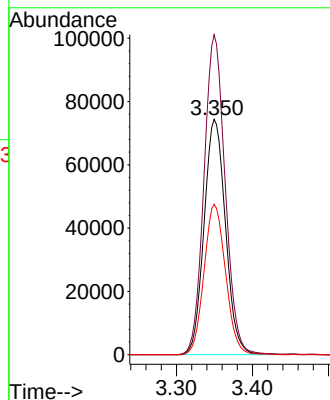
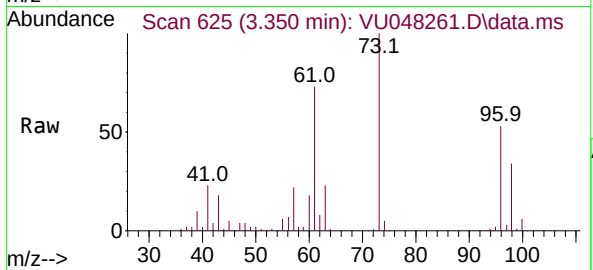




#17
trans-1,2-Dichloroethene
Concen: 47.533 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

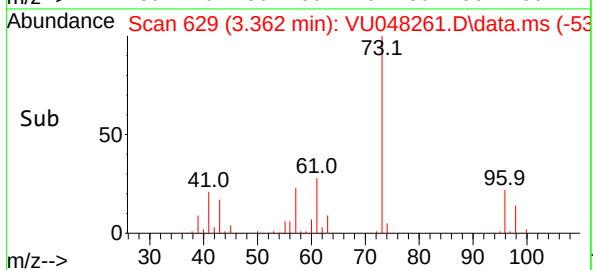
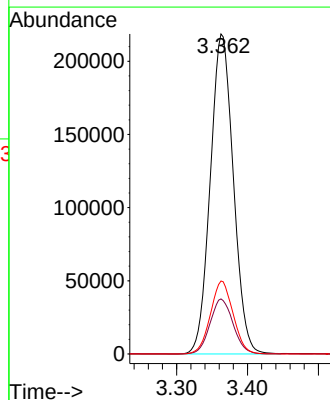
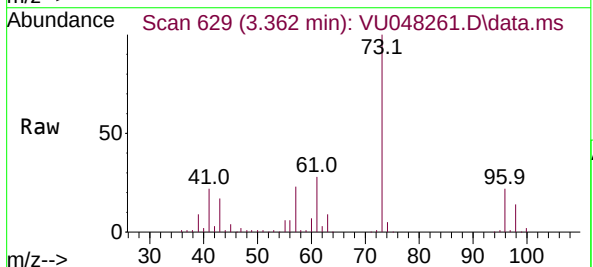
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

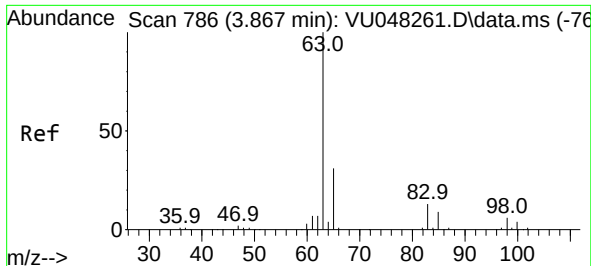
Tgt Ion: 96 Resp: 145835
Ion Ratio Lower Upper
96 100
61 136.0 95.2 176.8
98 63.9 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 54.998 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 73 Resp: 494140
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.6
57 22.4 17.9 26.9

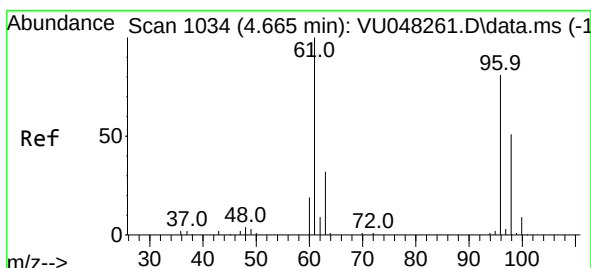
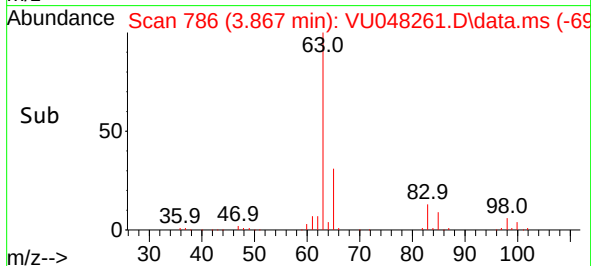
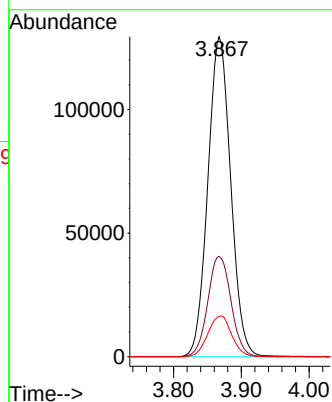
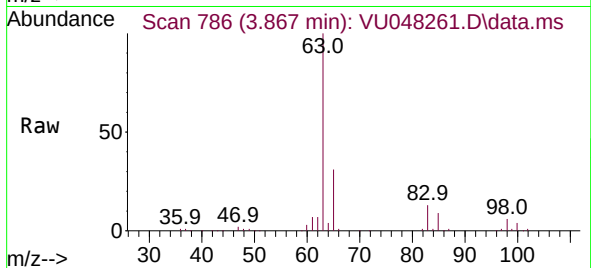




#19
1,1-Dichloroethane
Concen: 55.409 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

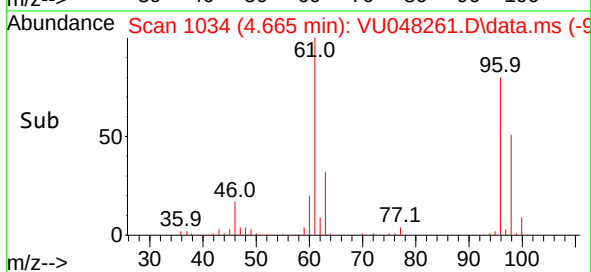
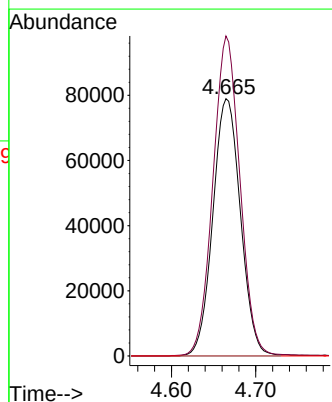
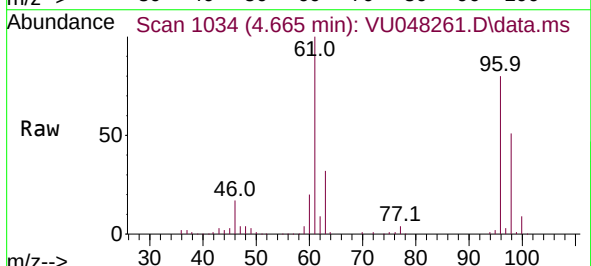
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

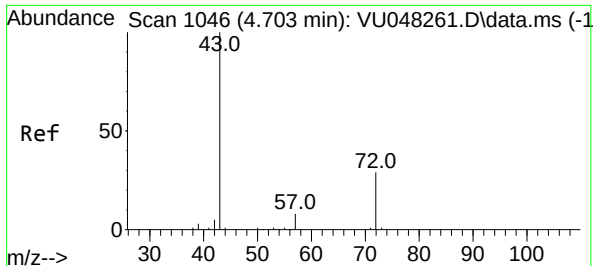
Tgt Ion: 63 Resp: 303043
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 12.6 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 52.116 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 96 Resp: 179550
Ion Ratio Lower Upper
96 100
61 124.3 87.0 161.6
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.348 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

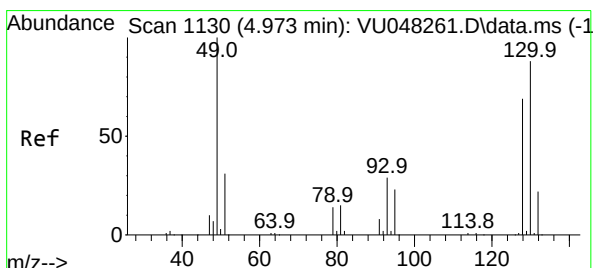
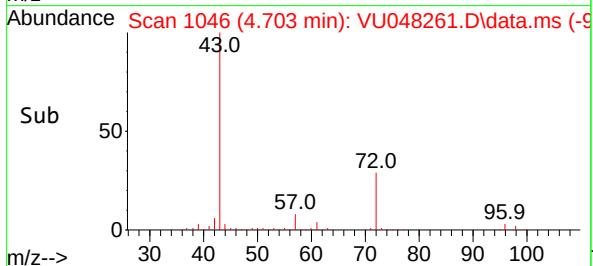
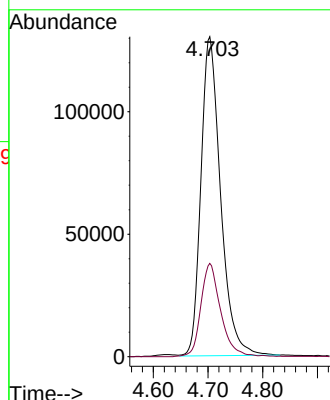
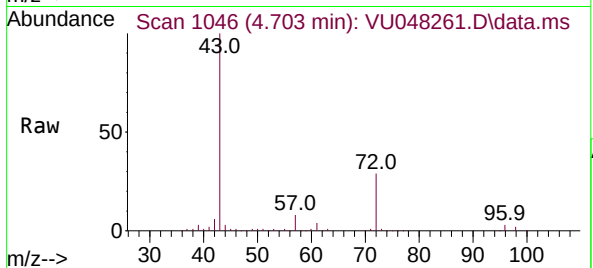
VSTD050058

Tgt Ion: 43 Resp: 324918

Ion Ratio Lower Upper

43 100

72 29.2 14.6 43.8



#23

Bromochloromethane

Concen: 52.601 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Tgt Ion: 128 Resp: 98929

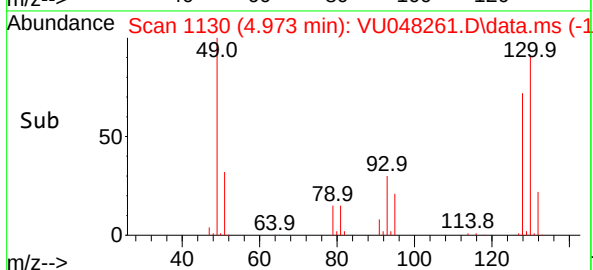
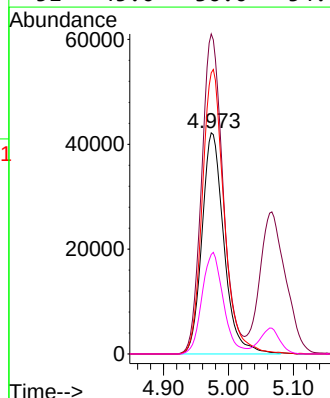
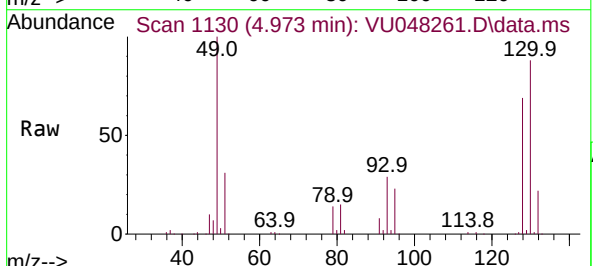
Ion Ratio Lower Upper

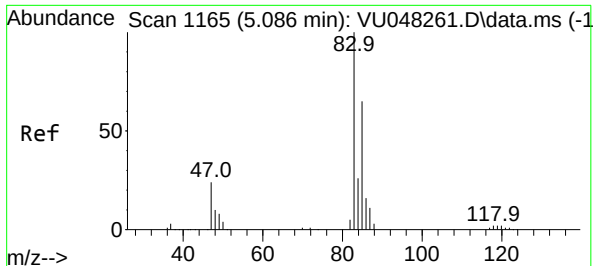
128 100

49 144.7 101.3 188.1

130 127.1 89.0 165.2

51 45.0 36.0 54.0





#25

Chloroform

Concen: 53.420 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

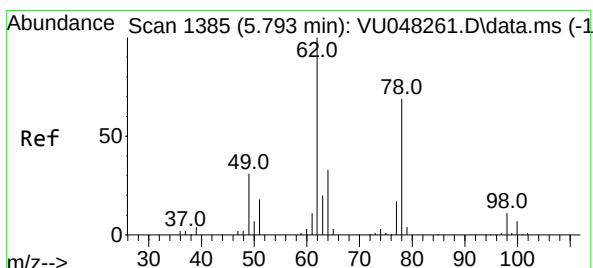
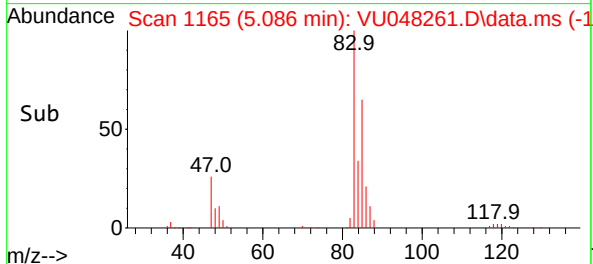
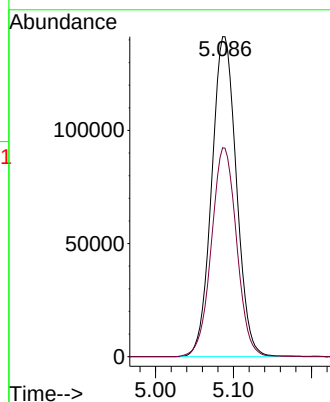
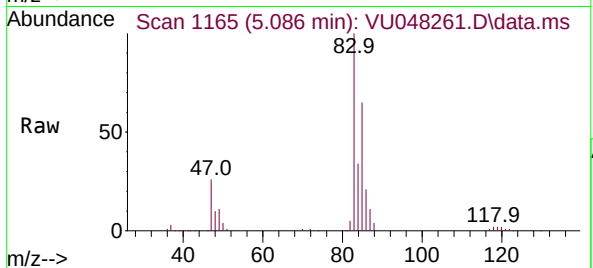
VSTD050058

Tgt Ion: 83 Resp: 312177

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.666 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU048261.D

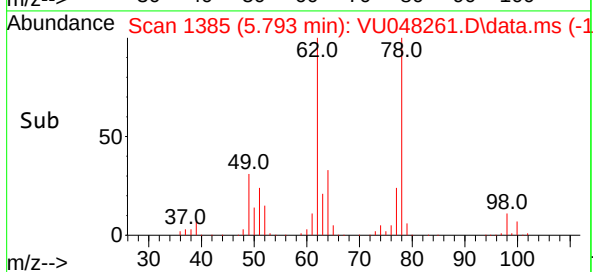
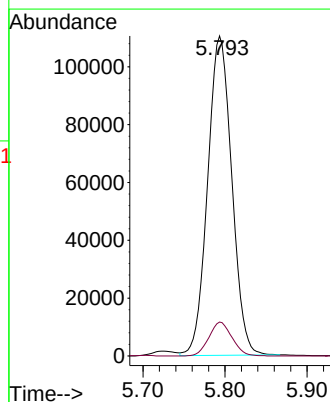
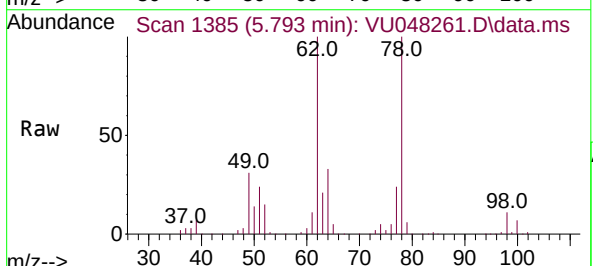
Acq: 25 Apr 2022 10:42

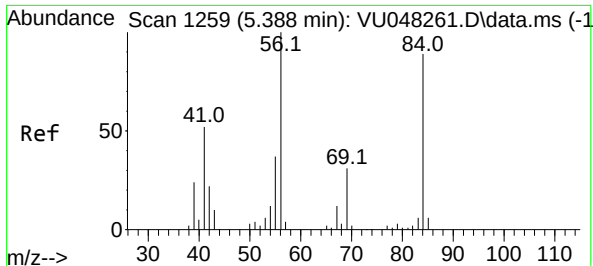
Tgt Ion: 62 Resp: 226300

Ion Ratio Lower Upper

62 100

98 10.6 8.5 12.7

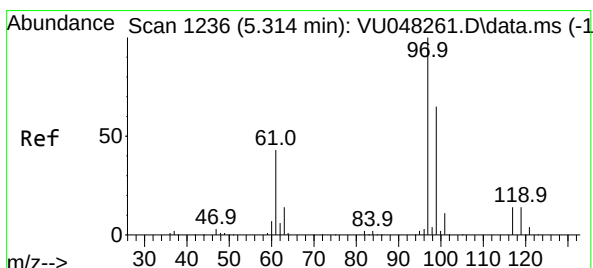
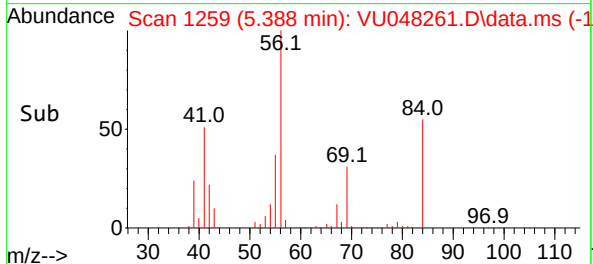
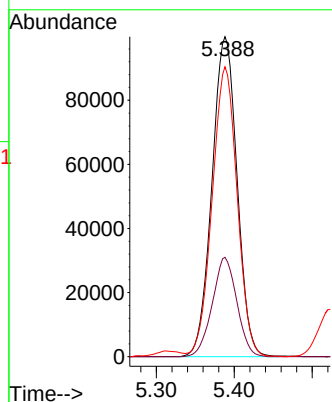
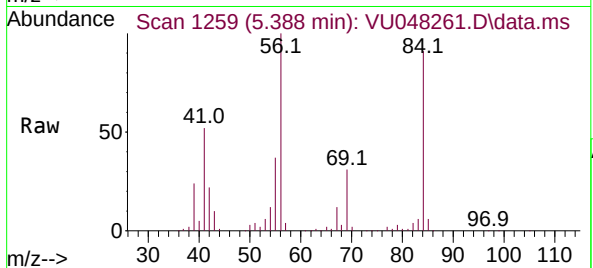




#29
Cyclohexane
Concen: 49.825 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

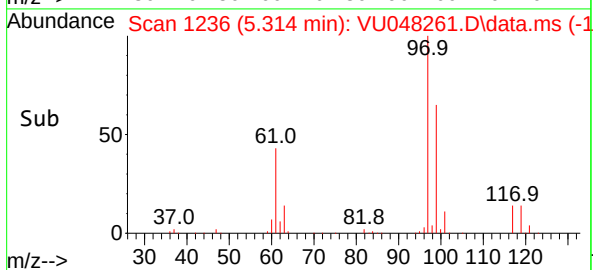
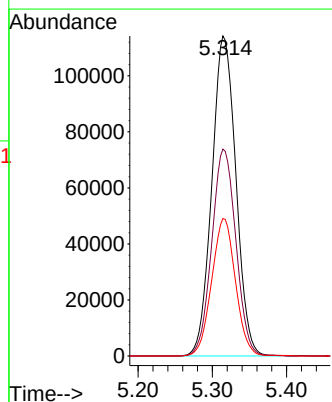
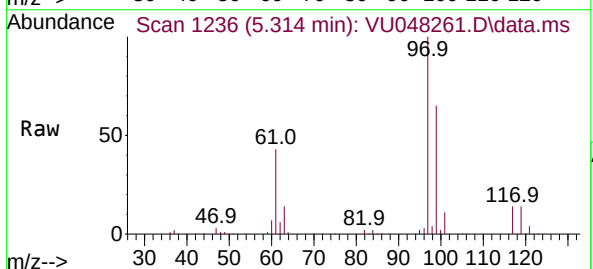
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

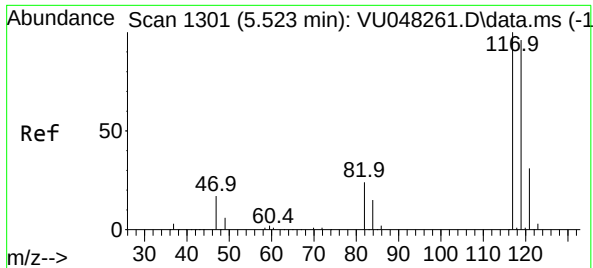
Tgt Ion: 56 Resp: 223254
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 90.2 72.2 108.2



#30
1,1,1-Trichloroethane
Concen: 51.165 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 97 Resp: 257041
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 42.4 33.9 50.9

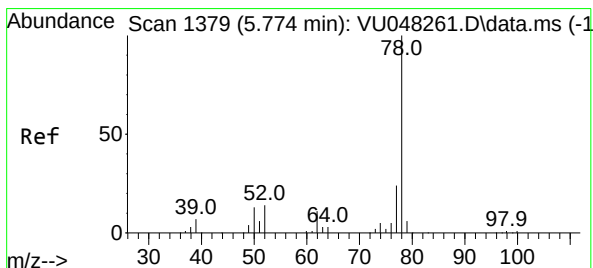
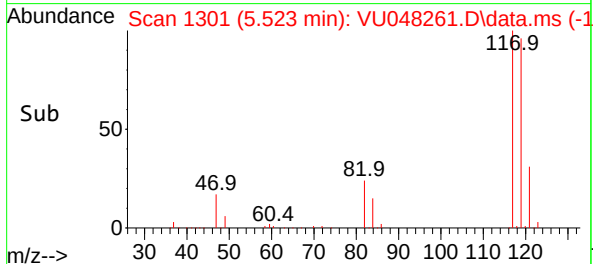
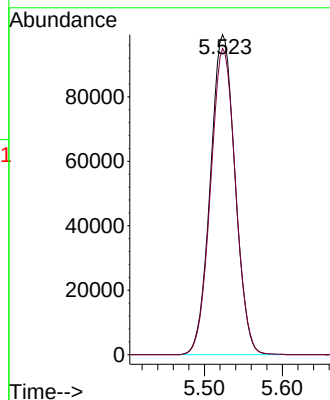
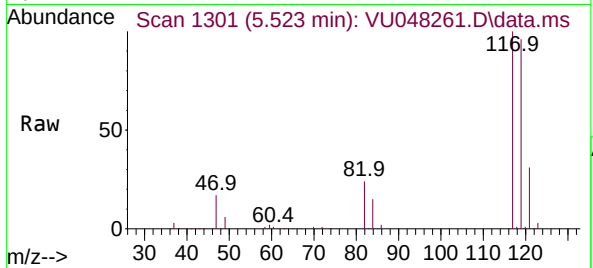




#31
Carbon tetrachloride
Concen: 48.934 ug/L
RT: 5.523 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

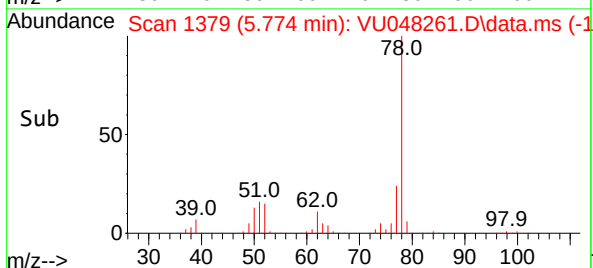
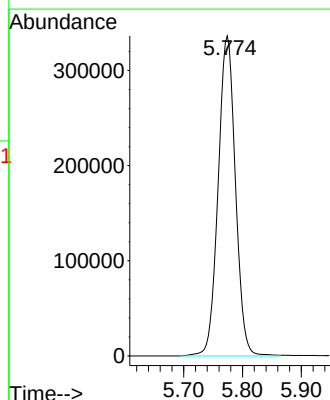
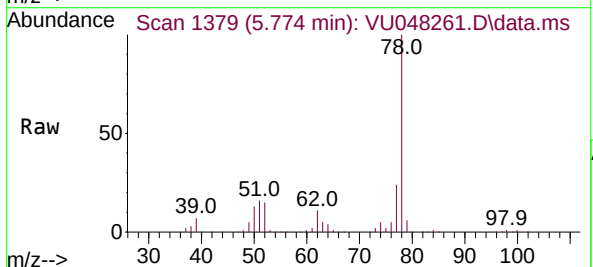
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

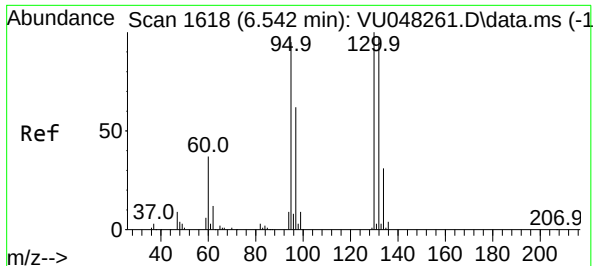
Tgt Ion:117 Resp: 218952
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 53.210 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 78 Resp: 687435

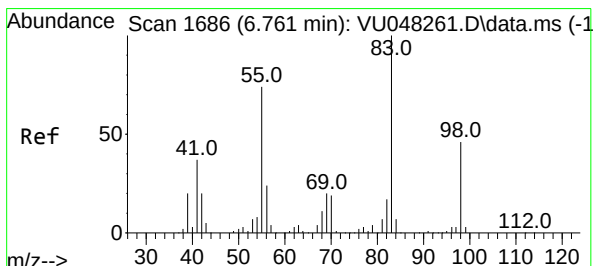
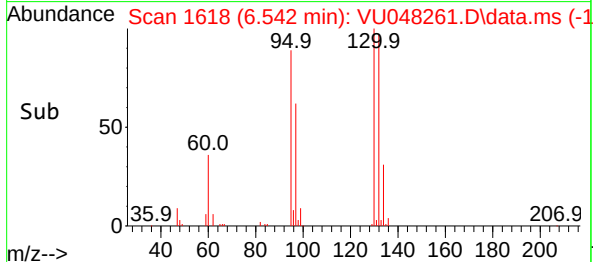
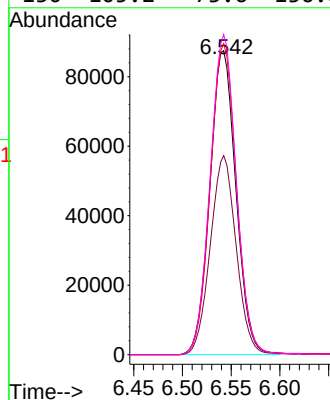
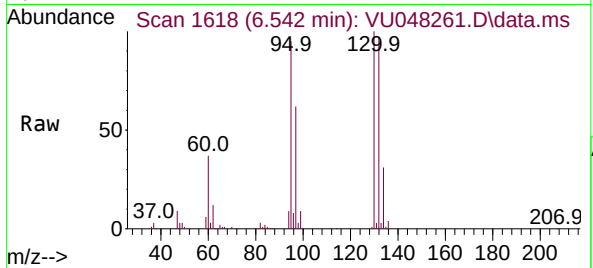




#34
Trichloroethene
Concen: 48.894 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

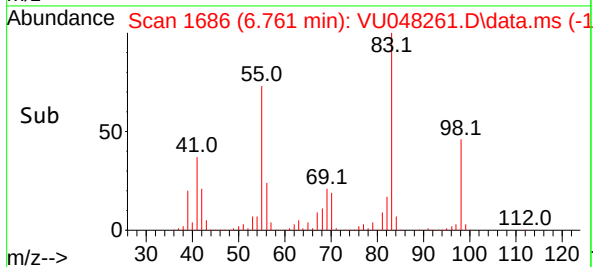
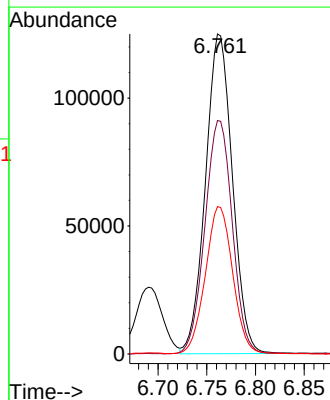
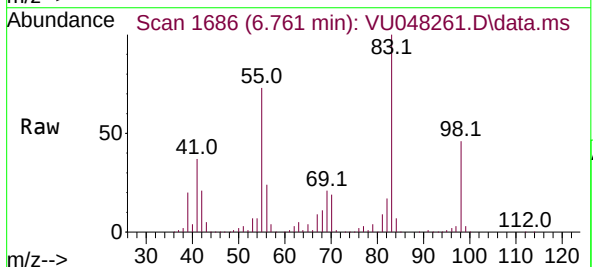
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

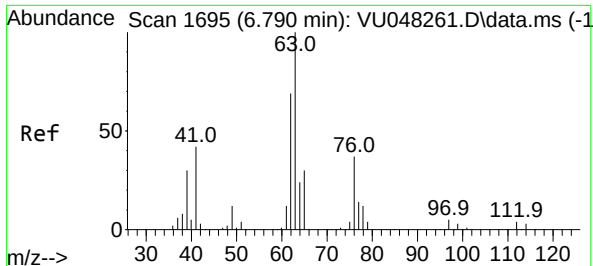
Tgt Ion: 95 Resp: 162925
Ion Ratio Lower Upper
95 100
97 65.5 45.8 85.2
132 102.3 71.6 133.0
130 105.2 73.6 136.8



#35
Methylcyclohexane
Concen: 47.632 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 83 Resp: 240379
Ion Ratio Lower Upper
83 100
55 74.3 59.4 89.2
98 46.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 57.705 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

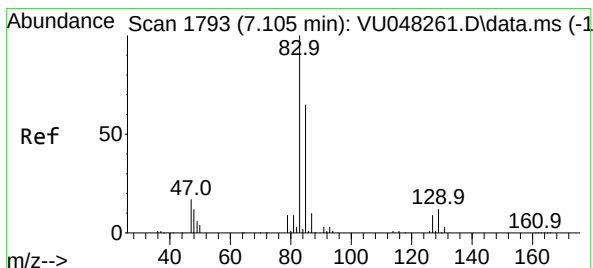
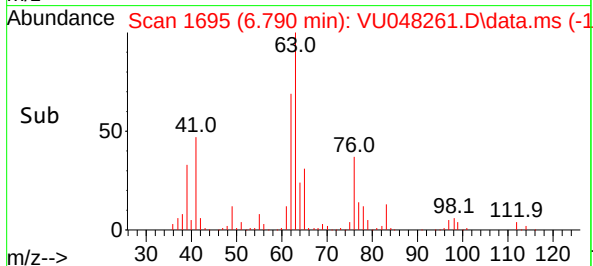
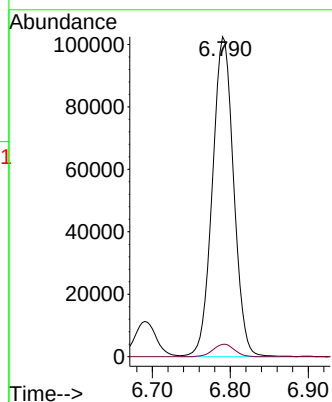
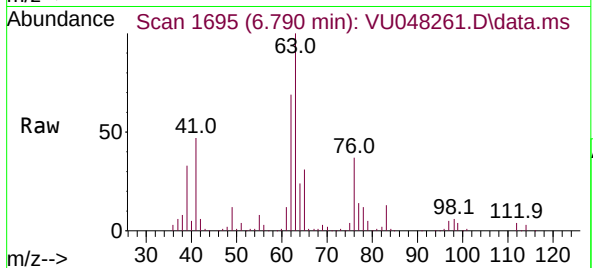
VSTD050058

Tgt Ion: 63 Resp: 194285

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 53.203 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

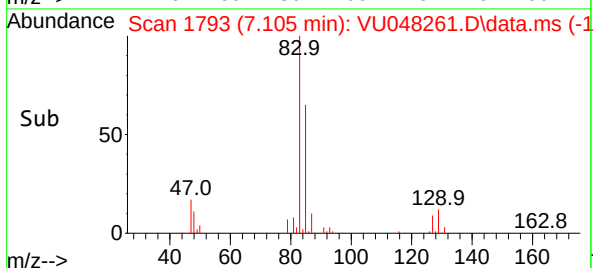
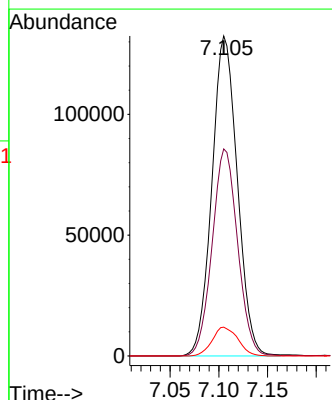
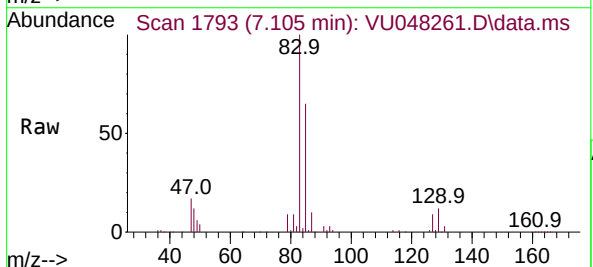
Tgt Ion: 83 Resp: 240438

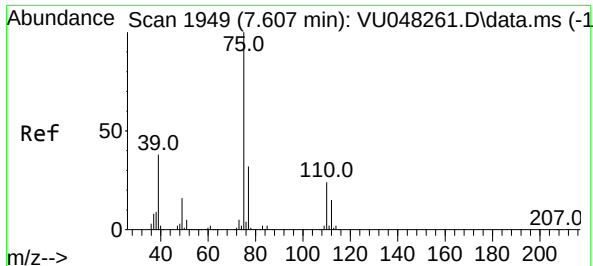
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 52.765 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

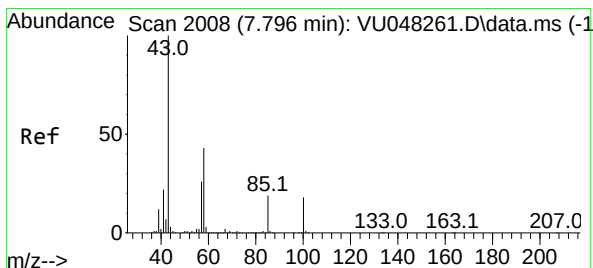
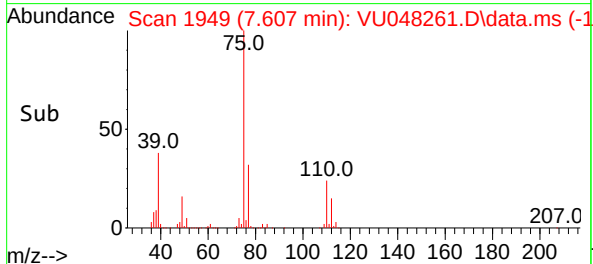
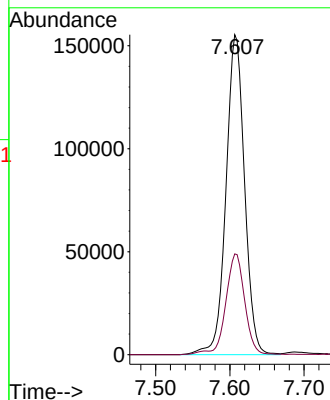
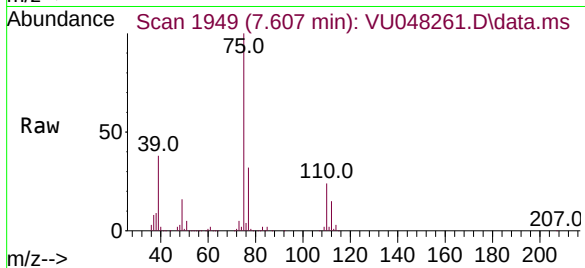
VSTD050058

Tgt Ion: 75 Resp: 270204

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 117.548 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

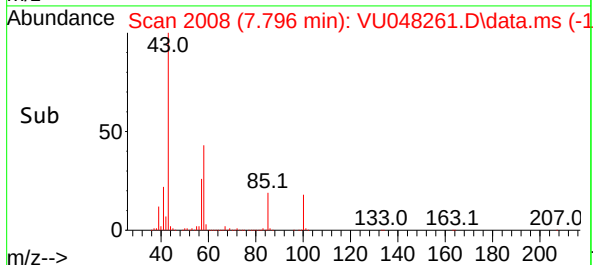
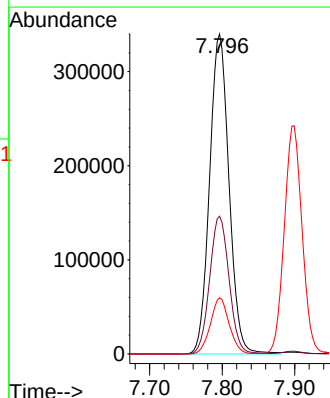
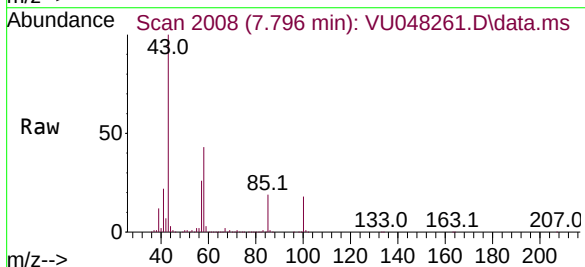
Tgt Ion: 43 Resp: 632149

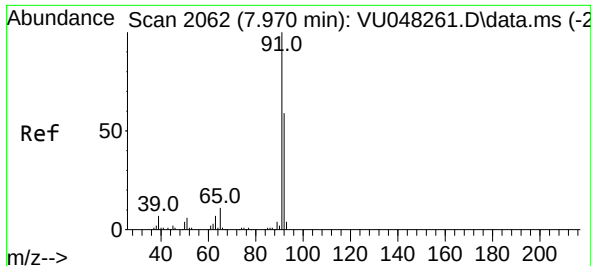
Ion Ratio Lower Upper

43 100

58 43.0 34.4 51.6

100 17.0 13.6 20.4





#42

Toluene

Concen: 52.327 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

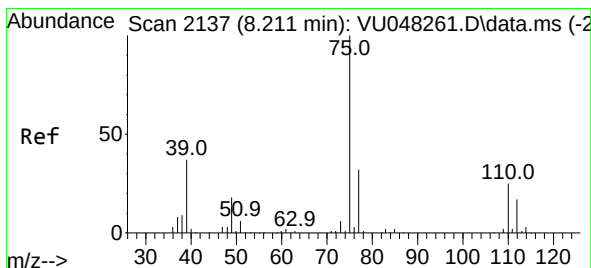
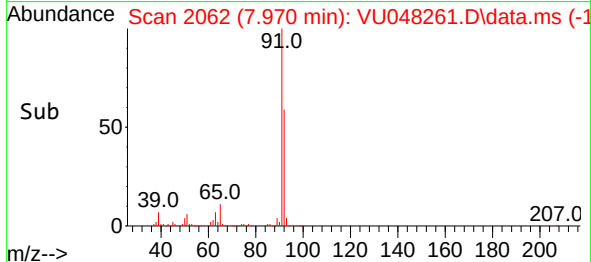
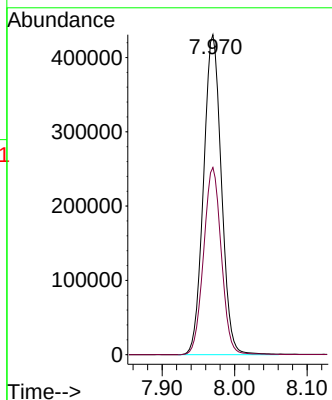
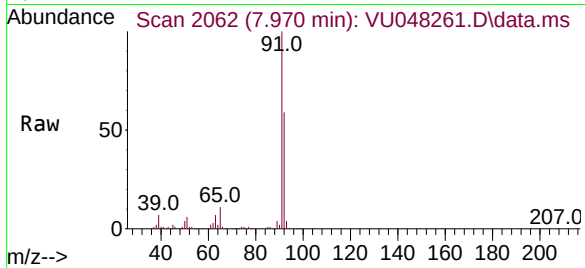
VSTD050058

Tgt Ion: 91 Resp: 736996

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.686 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048261.D

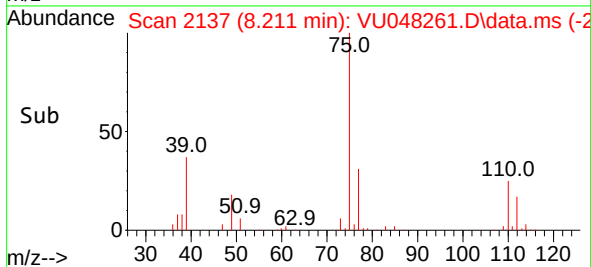
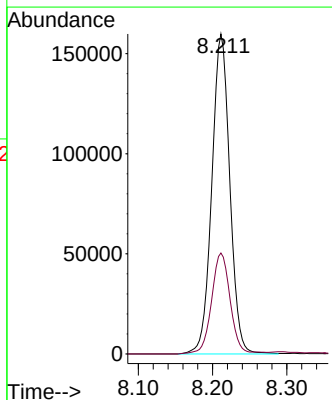
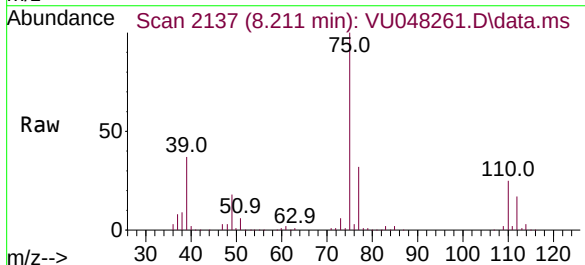
Acq: 25 Apr 2022 10:42

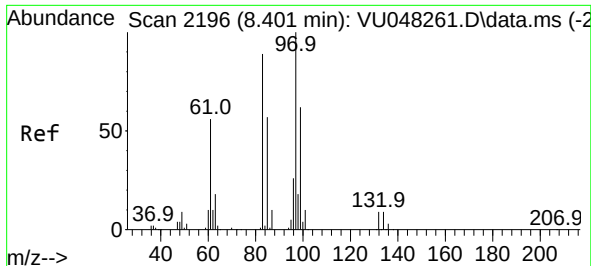
Tgt Ion: 75 Resp: 268798

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

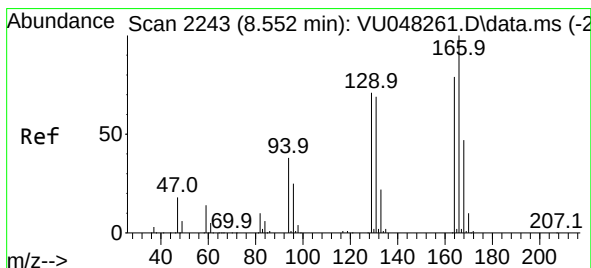
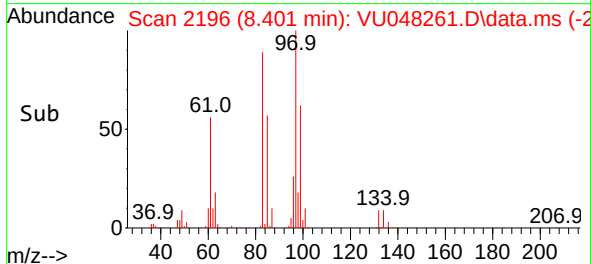
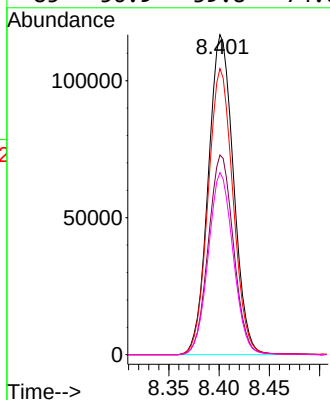
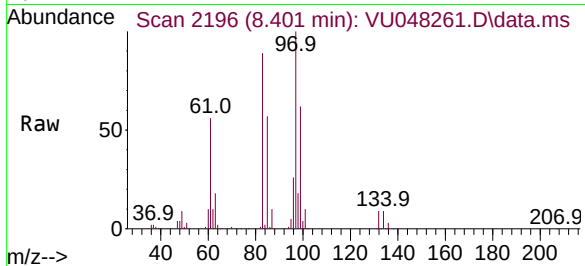




#45
1,1,2-Trichloroethane
Concen: 57.172 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

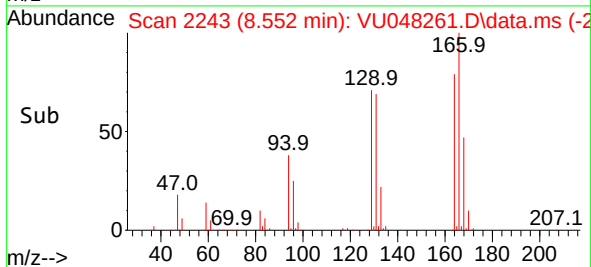
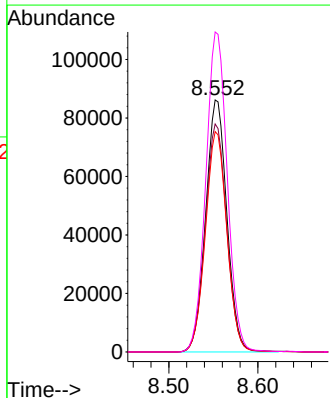
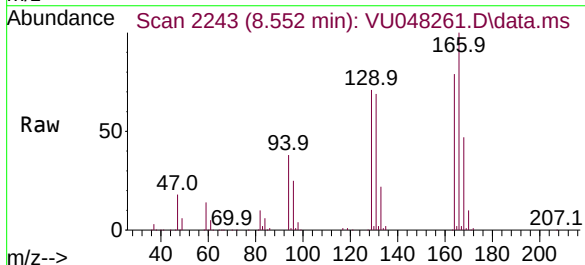
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

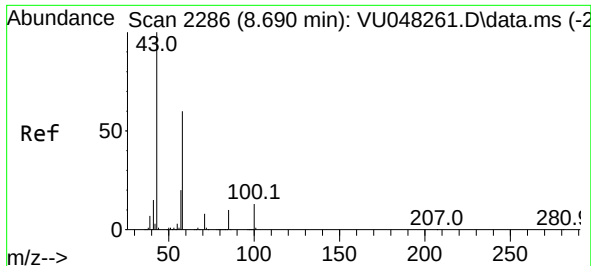
Tgt Ion:	97	Resp:	203998
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	89.4	62.6	116.2
85	56.9	39.8	74.0



#46
Tetrachloroethene
Concen: 48.048 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion:	164	Resp:	143194
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.3	117.7
131	87.4	61.2	113.6
166	127.0	88.9	165.1



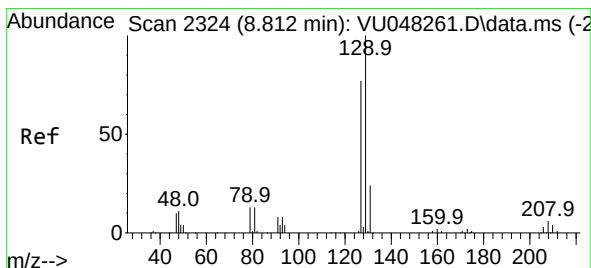
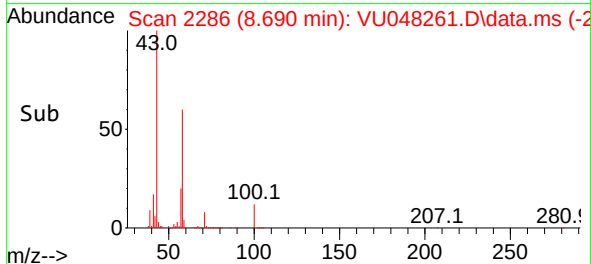
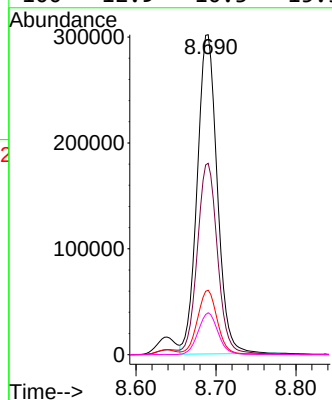
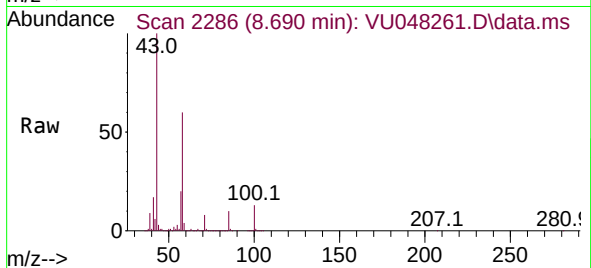


#48
2-Hexanone
Concen: 114.885 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

Tgt Ion: 43 Resp: 527096

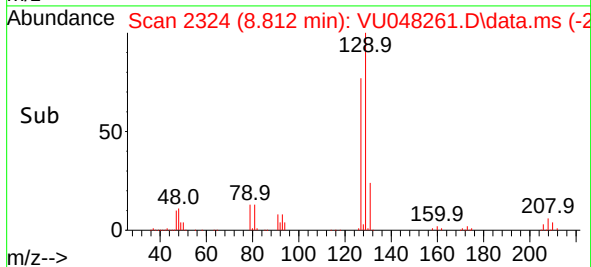
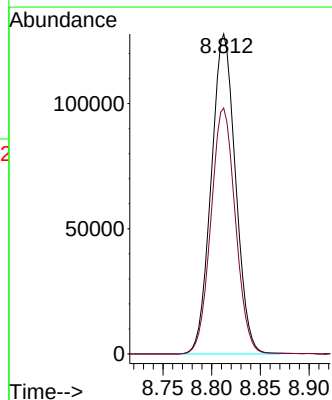
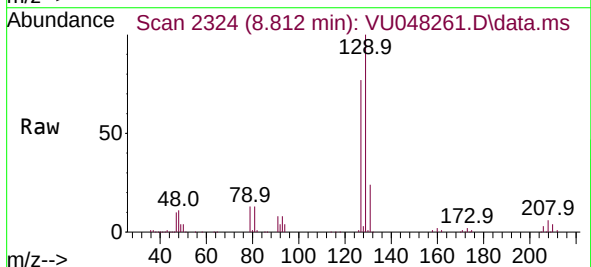
Ion	Ratio	Lower	Upper
43	100		
58	60.1	48.1	72.1
57	20.3	16.2	24.4
100	12.9	10.3	15.5

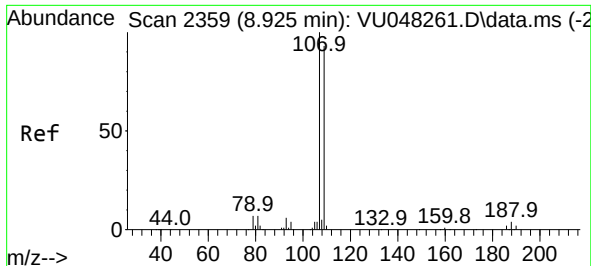


#49
Dibromochloromethane
Concen: 54.330 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 129 Resp: 221749

Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	99.8





#50

1,2-Dibromoethane

Concen: 52.032 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD050058

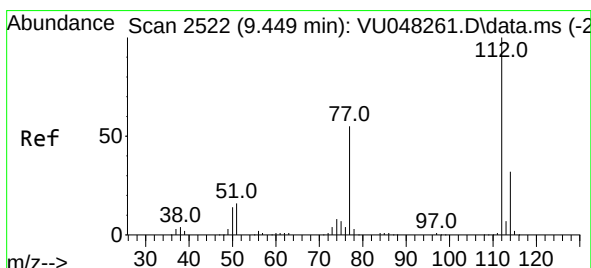
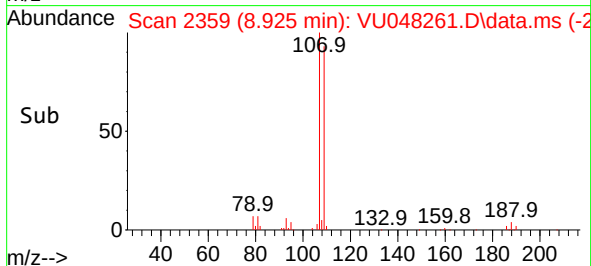
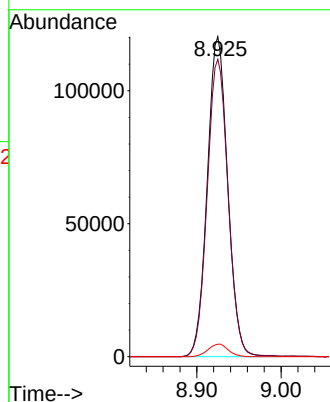
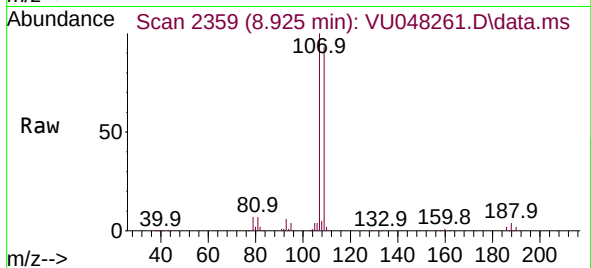
Tgt Ion:107 Resp: 203164

Ion Ratio Lower Upper

107 100

109 92.9 65.0 120.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 52.030 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

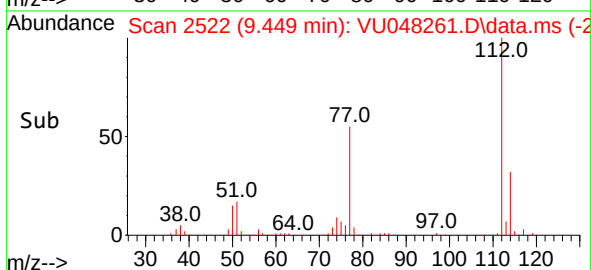
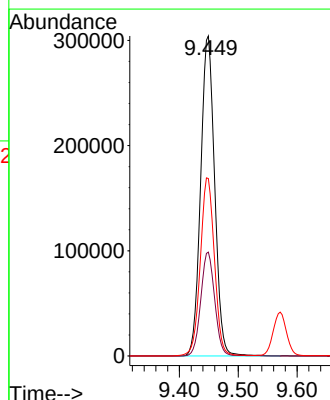
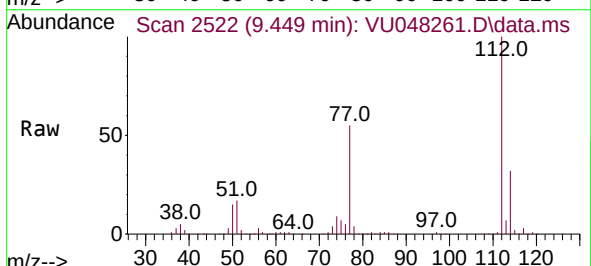
Tgt Ion:112 Resp: 503119

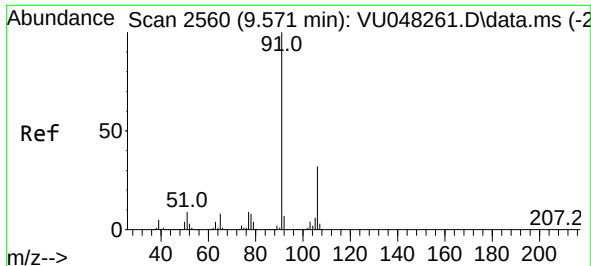
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 55.4 44.3 66.5

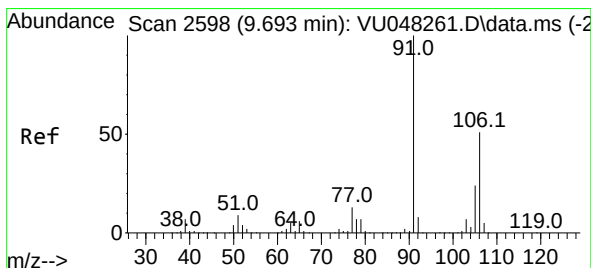
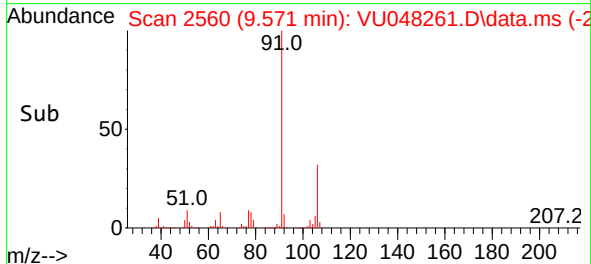
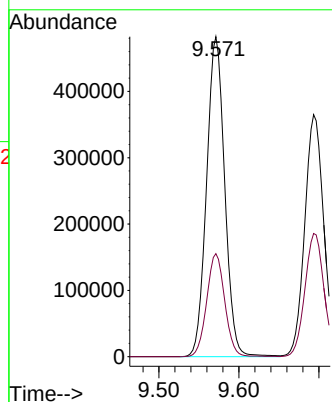
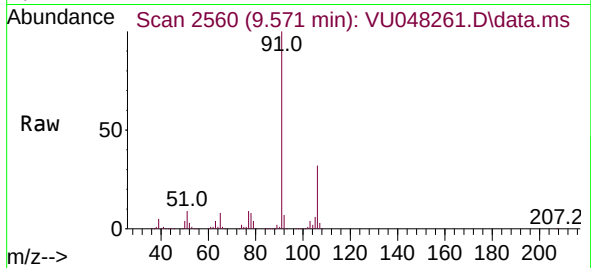




#52
Ethylbenzene
Concen: 51.169 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

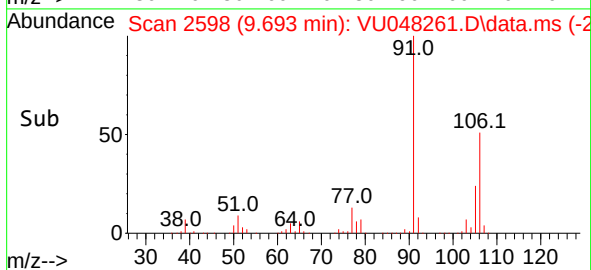
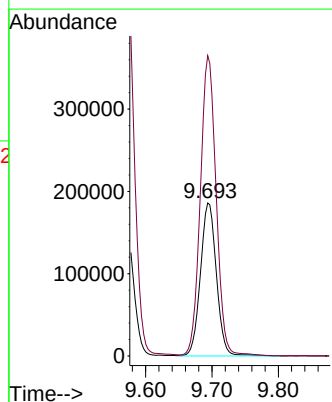
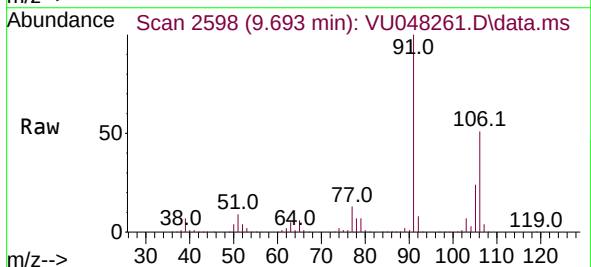
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

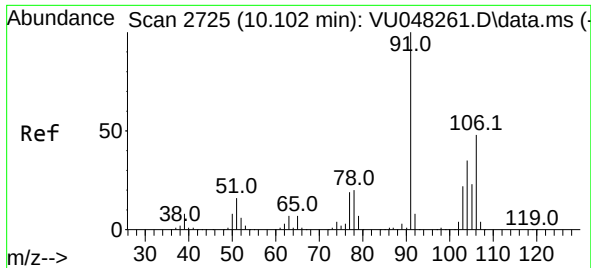
Tgt Ion: 91 Resp: 762337
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.9



#53
m,p-Xylene
Concen: 53.002 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 106 Resp: 310942
Ion Ratio Lower Upper
106 100
91 196.3 137.4 255.2

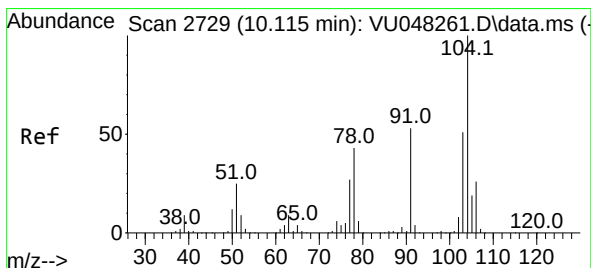
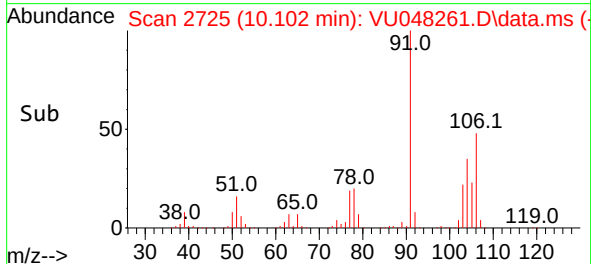
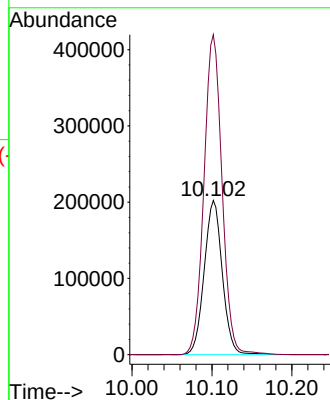
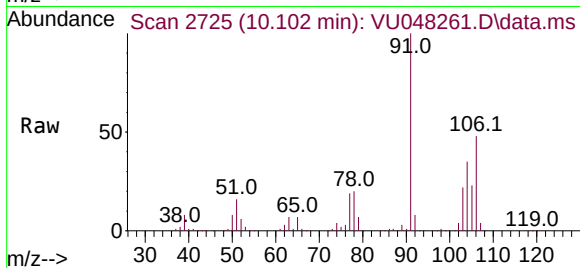




#54
o-Xylene
Concen: 54.928 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

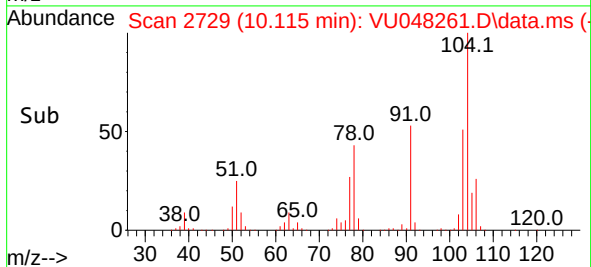
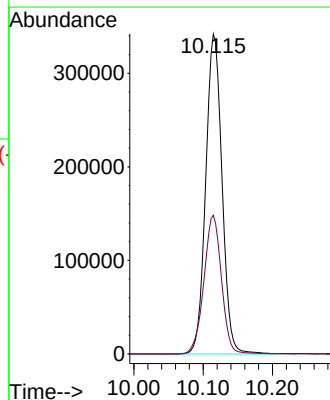
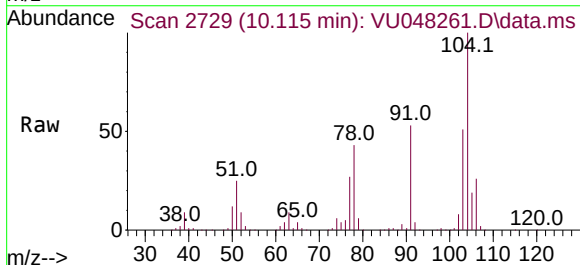
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

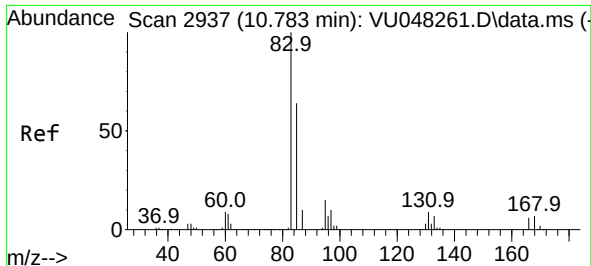
Tgt Ion:106 Resp: 319125
Ion Ratio Lower Upper
106 100
91 207.5 145.3 269.8



#55
Styrene
Concen: 55.949 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion:104 Resp: 557288
Ion Ratio Lower Upper
104 100
78 43.3 30.3 56.3

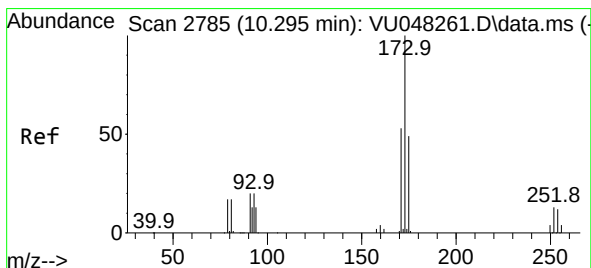
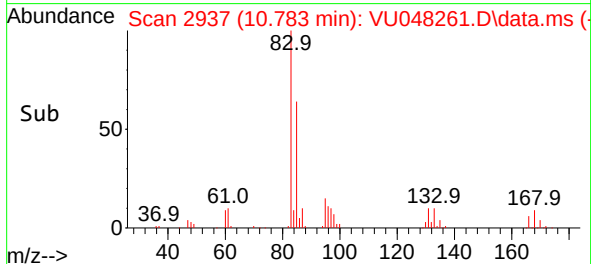
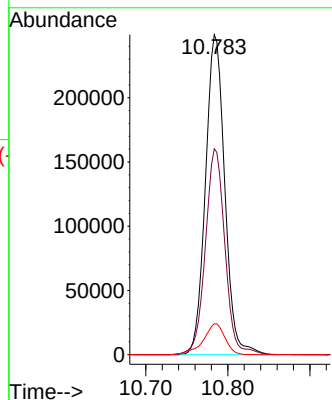
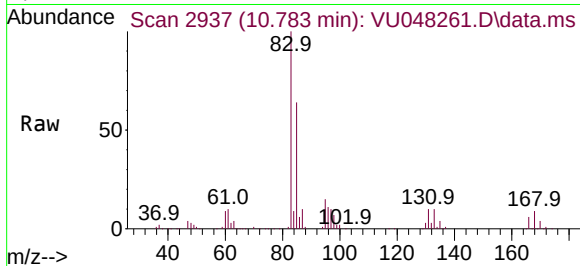




#57
1,1,2,2-Tetrachloroethane
Concen: 59.941 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

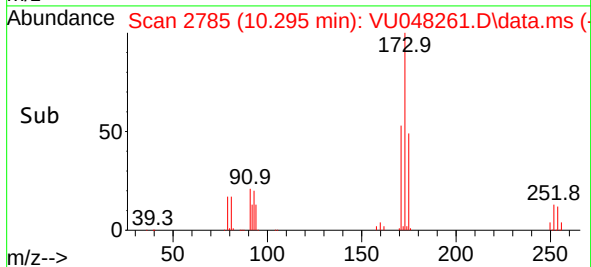
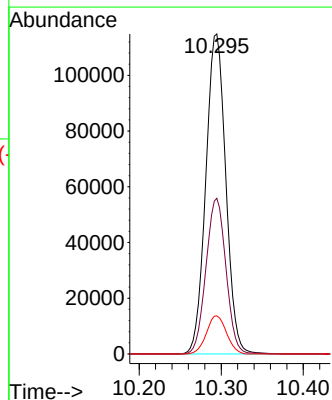
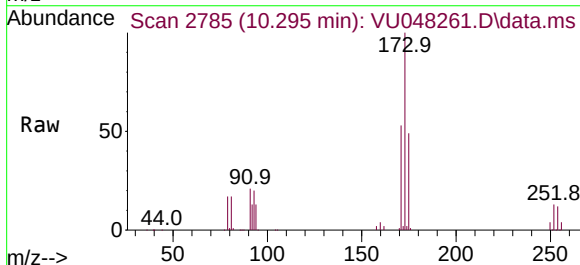
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

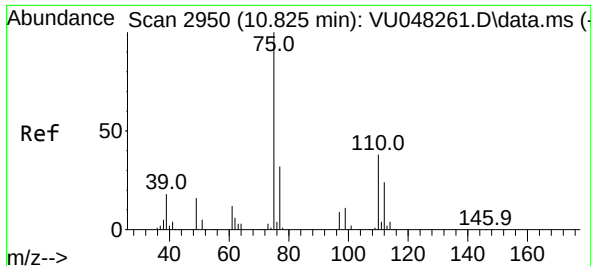
Tgt Ion: 83 Resp: 407396
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7
131 9.7 7.8 11.6



#59
Bromoform
Concen: 55.075 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion:173 Resp: 194423
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
254 11.9 9.5 14.3

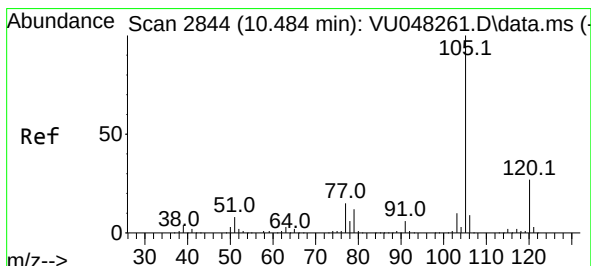
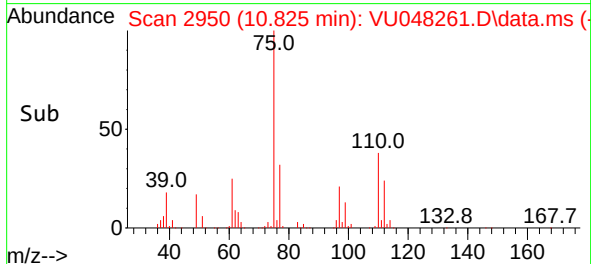
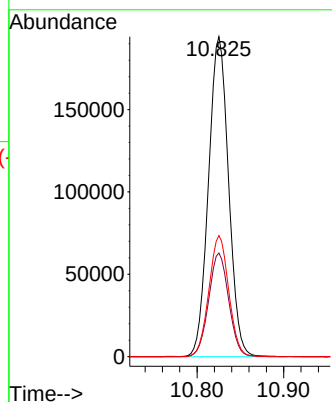
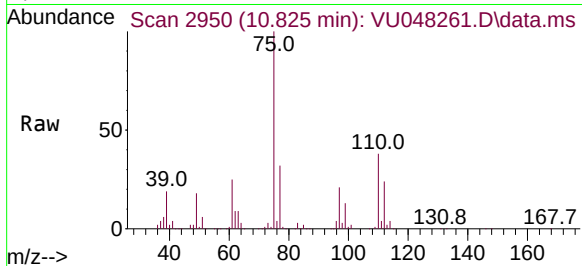




#60
1,2,3-Trichloropropane
Concen: 58.824 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

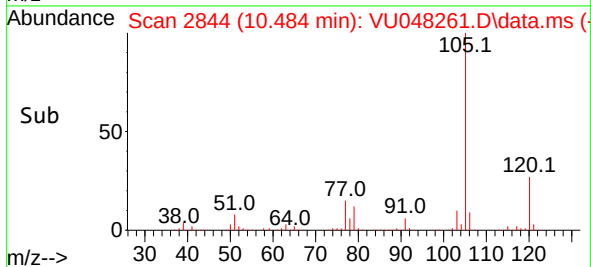
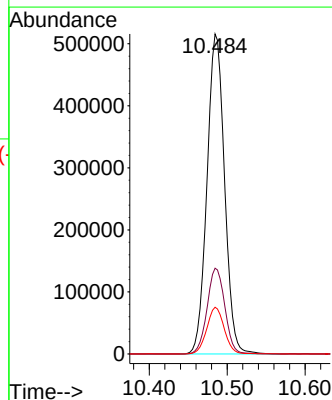
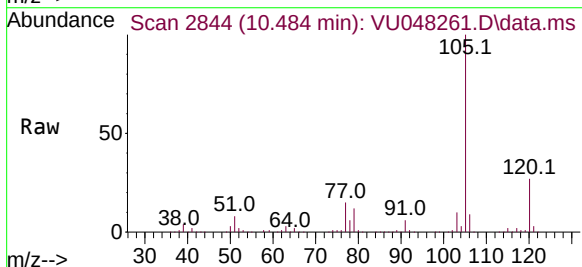
Instrument :
MSVOA_U
ClientSampleId :
VSTD050058

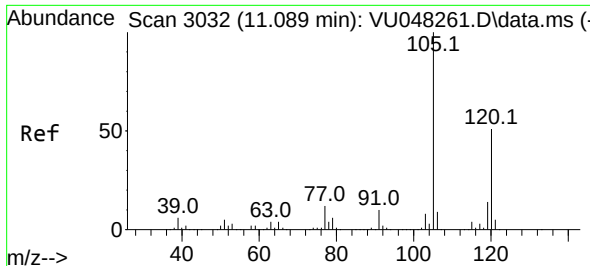
Tgt Ion: 75 Resp: 312888
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 37.4 29.9 44.9



#61
Isopropylbenzene
Concen: 54.269 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048261.D
Acq: 25 Apr 2022 10:42

Tgt Ion: 105 Resp: 805840
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5
77 14.6 11.7 17.5





#62

1,3,5-Trimethylbenzene

Concen: 53.255 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

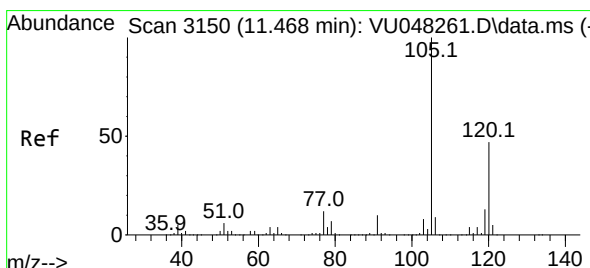
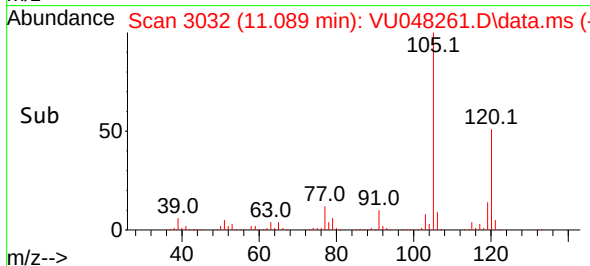
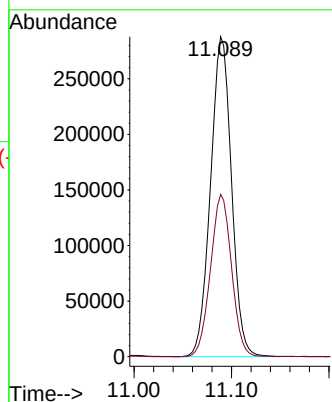
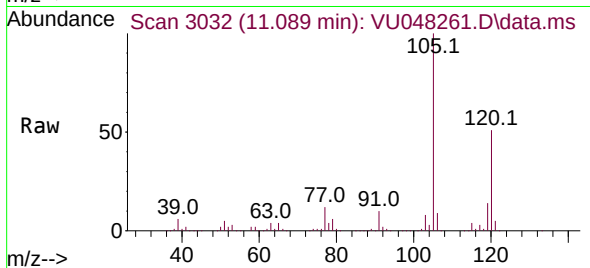
VSTD050058

Tgt Ion:105 Resp: 430040

Ion Ratio Lower Upper

105 100

120 50.9 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 56.363 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048261.D

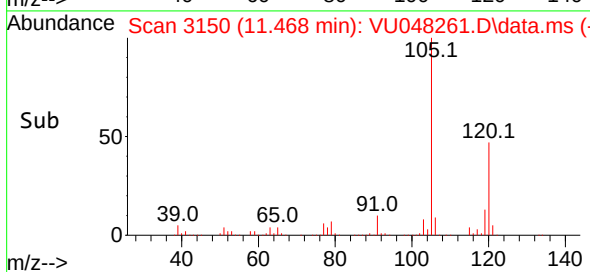
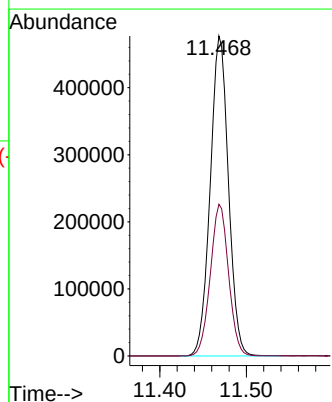
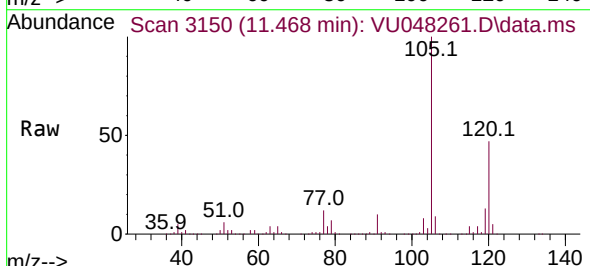
Acq: 25 Apr 2022 10:42

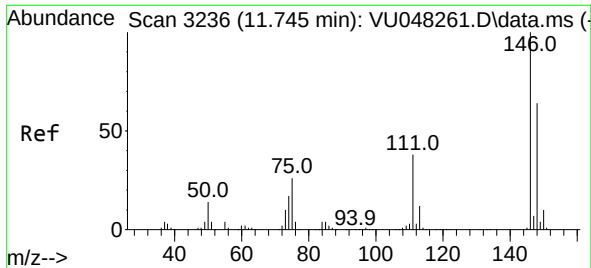
Tgt Ion:105 Resp: 696628

Ion Ratio Lower Upper

105 100

120 47.5 38.0 57.0

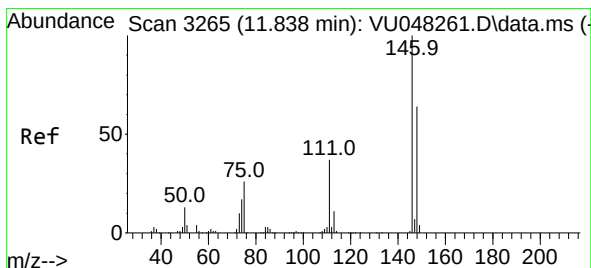
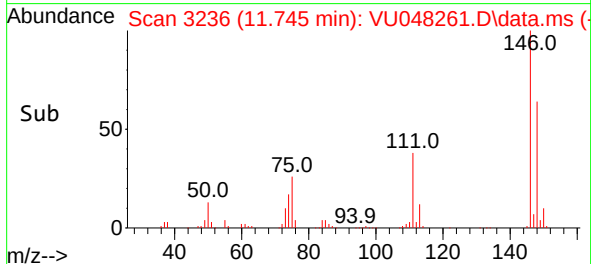
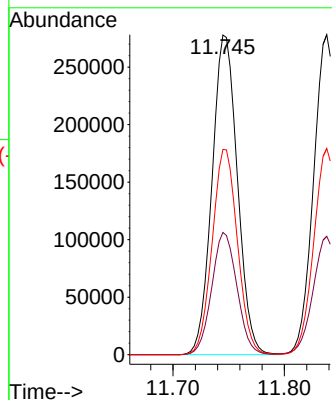
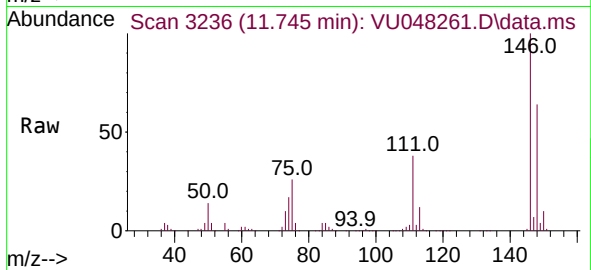




#64
 1,3-Dichlorobenzene
 Concen: 53.441 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

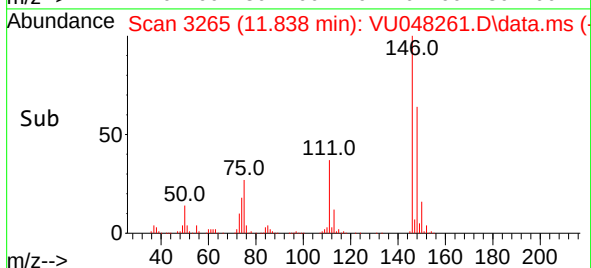
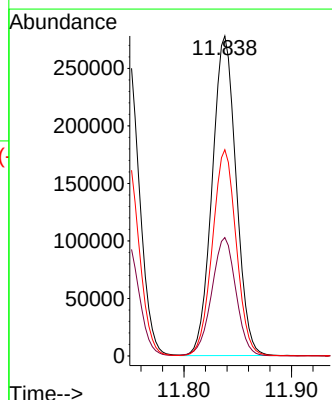
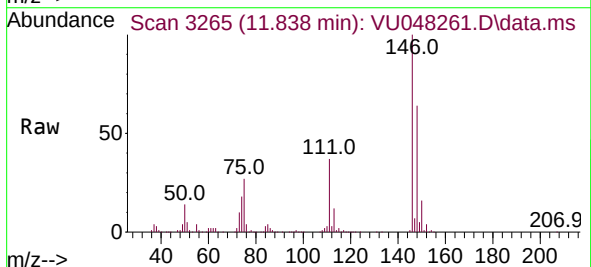
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050058

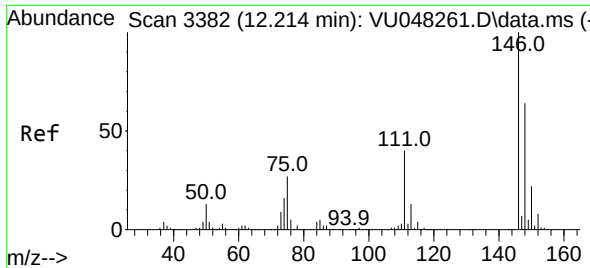
Tgt Ion:146 Resp: 440556
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 64.2 44.9 83.5



#65
 1,4-Dichlorobenzene
 Concen: 50.857 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

Tgt Ion:146 Resp: 429795
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.9 48.1
 148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 54.194 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD050058

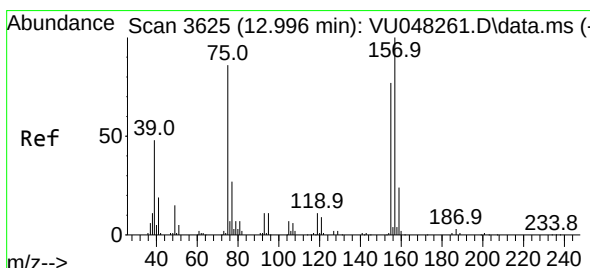
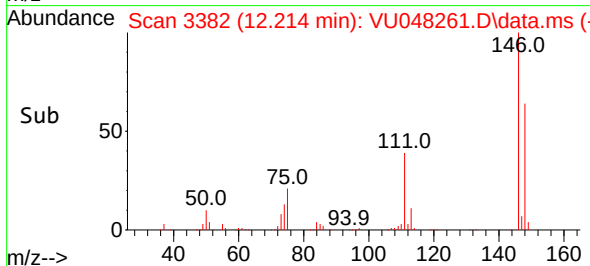
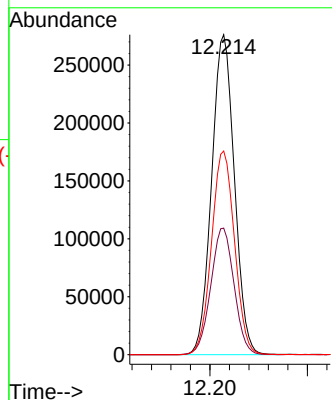
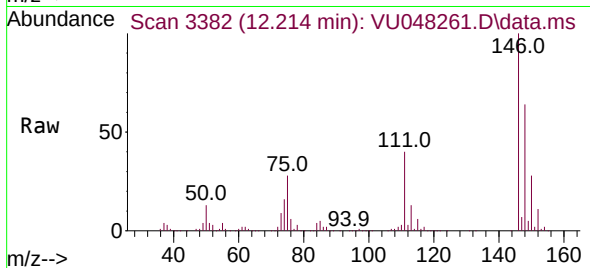
Tgt Ion:146 Resp: 447986

Ion Ratio Lower Upper

146 100

111 39.6 31.7 47.5

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 51.605 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

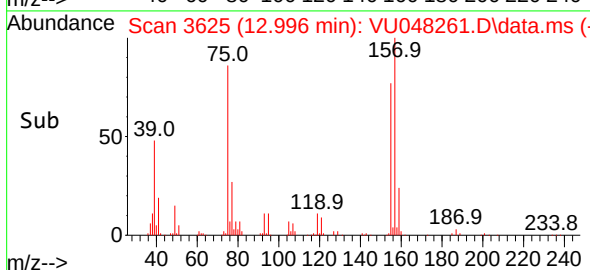
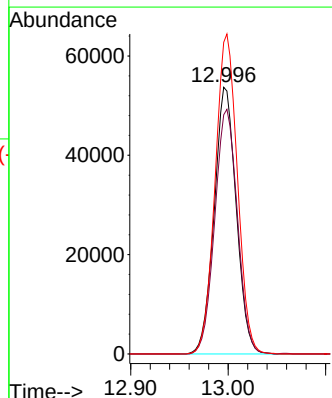
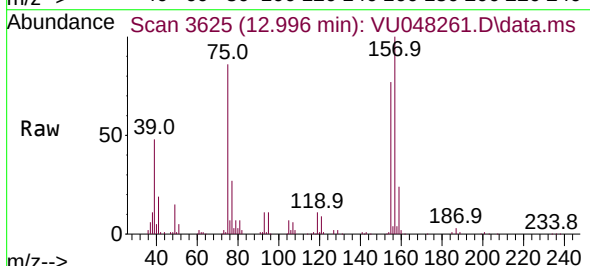
Tgt Ion: 75 Resp: 84572

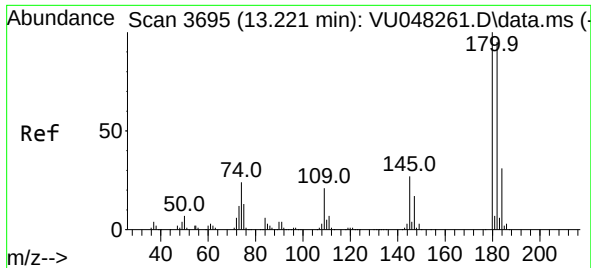
Ion Ratio Lower Upper

75 100

155 89.7 71.8 107.6

157 116.8 93.4 140.2

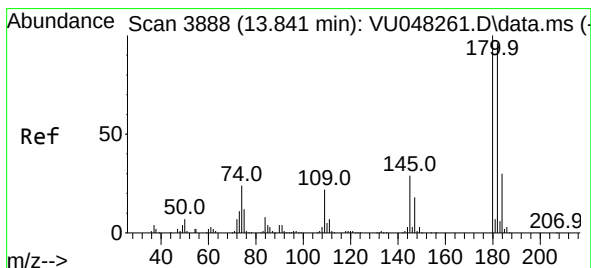
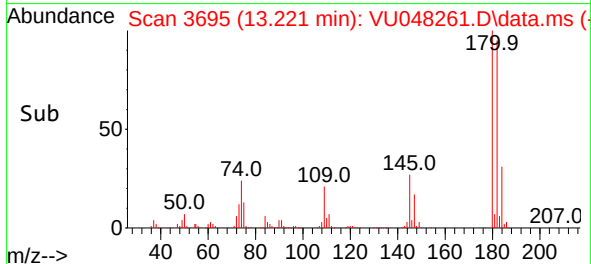
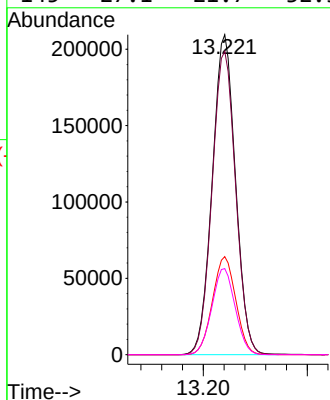
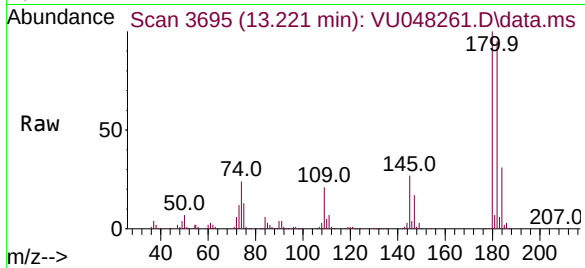




#69
 1,3,5-Trichlorobenzene
 Concen: 49.382 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

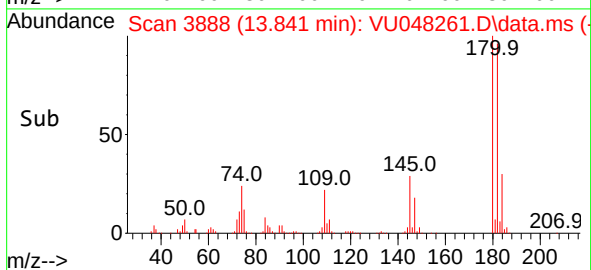
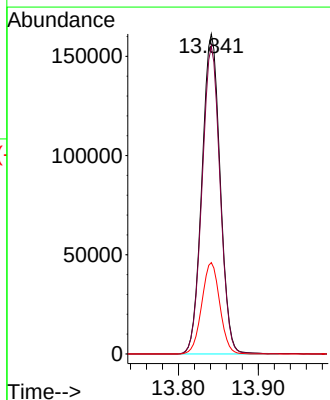
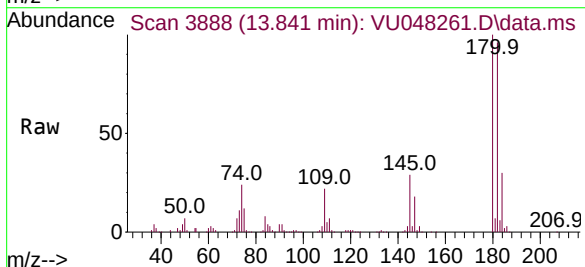
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050058

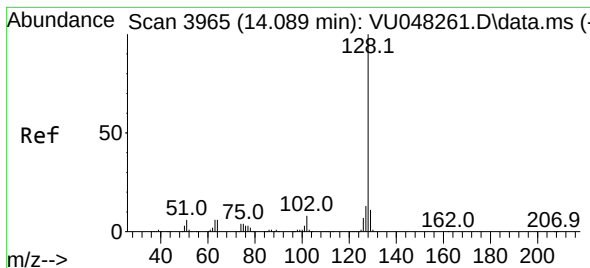
Tgt Ion:	180	Resp:	324896
Ion Ratio	Lower	Upper	
180	100		
182	96.2	77.0	115.4
184	30.8	24.6	37.0
145	27.1	21.7	32.5



#70
 1,2,4-trichlorobenzene
 Concen: 45.285 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048261.D
 Acq: 25 Apr 2022 10:42

Tgt Ion:	180	Resp:	255538
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.3	114.5
145	28.2	22.6	33.8





#71

Naphthalene

Concen: 45.082 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD050058

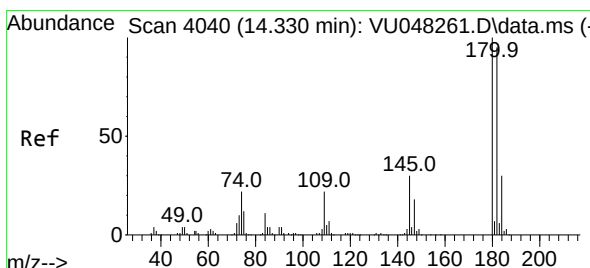
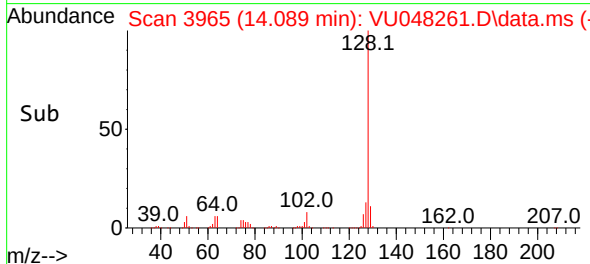
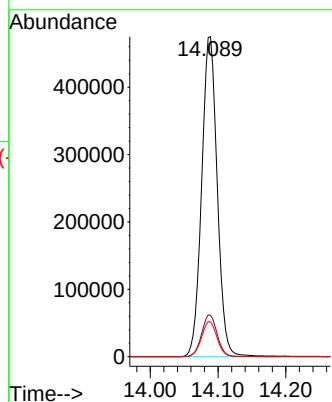
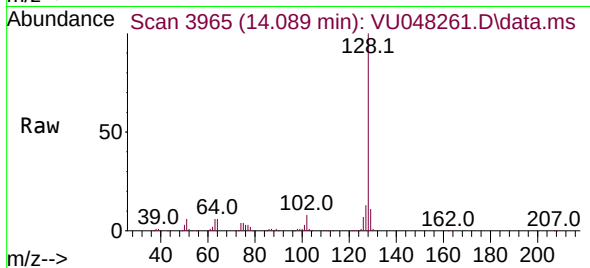
Tgt Ion:128 Resp: 757785

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.042 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU048261.D

Acq: 25 Apr 2022 10:42

Tgt Ion:180 Resp: 267758

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 29.4 23.5 35.3

