

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050222\
 Data File : VU048359.D
 Acq On : 02 May 2022 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: May 03 04:04:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 30 04:38:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	432874	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	437518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	264116	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	136373	34.260	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.520%
7) Chloroethane-d5	1.893	69	120397	43.089	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.180%
11) 1,1-Dichloroethene-d2	2.565	63	248175	38.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.820%
21) 2-Butanone-d5	4.623	46	269247	79.305	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.310%
24) Chloroform-d	5.063	84	312666	43.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.703	65	191342	44.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.340%
32) Benzene-d6	5.729	84	624455	45.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.500%
36) 1,2-Dichloropropane-d6	6.690	67	203631	44.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.280%
41) Toluene-d8	7.899	98	600227	47.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.980%
43) trans-1,3-Dichloroprop...	8.179	79	96256	47.818	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.640%
47) 2-Hexanone-d5	8.636	63	230519	93.659	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.660%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	375621	46.948	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.900%
66) 1,2-Dichlorobenzene-d4	12.195	152	280762	47.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	127126	38.866	ug/L	100
3) Chloromethane	1.520	50	134472	35.919	ug/L	99
5) Vinyl chloride	1.604	62	148701	39.415	ug/L	97
6) Bromomethane	1.839	94	66781	38.516	ug/L	100
8) Chloroethane	1.919	64	105074	49.256	ug/L	99
9) Trichlorofluoromethane	2.128	101	223713	45.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	146791	45.016	ug/L	99
12) 1,1-Dichloroethene	2.578	96	123611	43.427	ug/L	94
13) Acetone	2.630	43	221924	101.820	ug/L	100
14) Carbon disulfide	2.790	76	258961	37.329	ug/L	99
15) Methyl Acetate	2.948	43	173640	40.133	ug/L	99
16) Methylene chloride	3.044	84	162033	44.155	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	130991	44.299	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	475074	48.694	ug/L	99
19) 1,1-Dichloroethane	3.871	63	274611	44.411	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	168645	47.315	ug/L	91
22) 2-Butanone	4.703	43	289561	89.842	ug/L	96
23) Bromochloromethane	4.977	128	93271	46.871	ug/L	94
25) Chloroform	5.089	83	296780	47.002	ug/L	99

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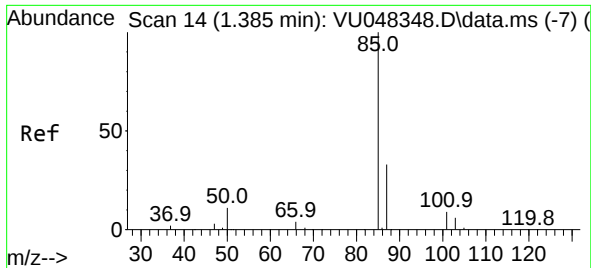
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	215113	46.707	ug/L	99
29) Cyclohexane	5.388	56	188242	45.537	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	244342	49.386	ug/L	100
31) Carbon tetrachloride	5.526	117	209262	49.624	ug/L	100
33) Benzene	5.774	78	615456	47.512	ug/L	100
34) Trichloroethene	6.543	95	155270	48.903	ug/L	98
35) Methylcyclohexane	6.764	83	214501	48.119	ug/L	98
37) 1,2-Dichloropropane	6.790	63	172002	46.669	ug/L	99
38) Bromodichloromethane	7.108	83	225349	48.417	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	255261	49.254	ug/L	99
40) 4-Methyl-2-pentanone	7.797	43	515027	92.651	ug/L	99
42) Toluene	7.970	91	677816	49.839	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	249742	49.328	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	185990	48.099	ug/L	98
46) Tetrachloroethene	8.552	164	132888	48.766	ug/L	99
48) 2-Hexanone	8.687	43	447378	96.377	ug/L	98
49) Dibromochloromethane	8.813	129	207426	48.817	ug/L	100
50) 1,2-Dibromoethane	8.925	107	191872	48.931	ug/L	99
51) Chlorobenzene	9.449	112	466091	47.546	ug/L	99
52) Ethylbenzene	9.571	91	710471	50.443	ug/L	100
53) m,p-Xylene	9.694	106	288034	51.822	ug/L	100
54) o-Xylene	10.102	106	289712	51.741	ug/L	100
55) Styrene	10.115	104	502674	52.698	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	371699	48.705	ug/L	99
59) Bromoform	10.295	173	183024	47.749	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	277945	45.110	ug/L	99
61) Isopropylbenzene	10.484	105	740653	50.154	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	399857	51.373	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	623612	52.113	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	407754	49.250	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	411611	48.698	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	432721	49.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	74135	45.072	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	324147	52.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	270774	55.712	ug/L	99
71) Naphthalene	14.086	128	831161	59.756	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	282695	56.755	ug/L	99

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

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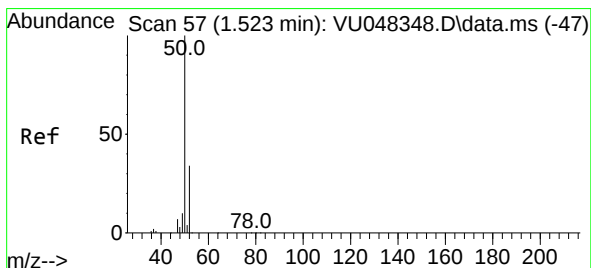
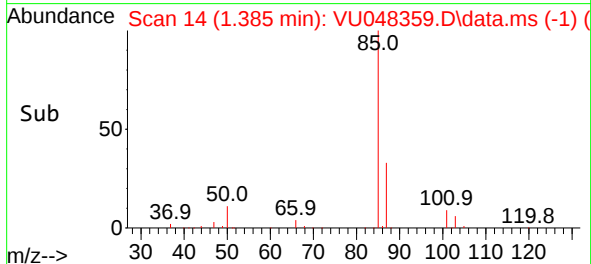
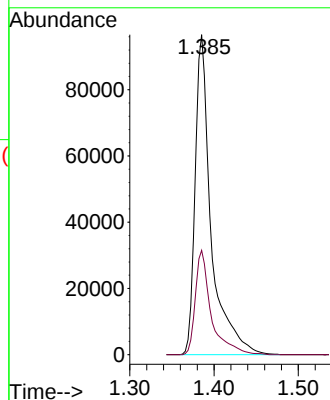
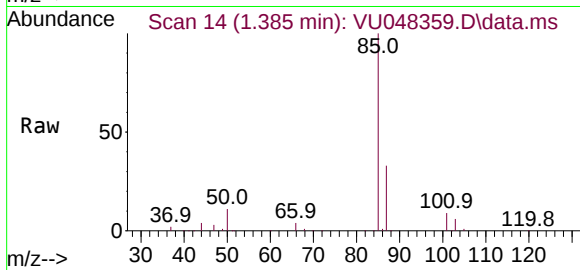




#2
 Dichlorodifluoromethane
 Concen: 38.866 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

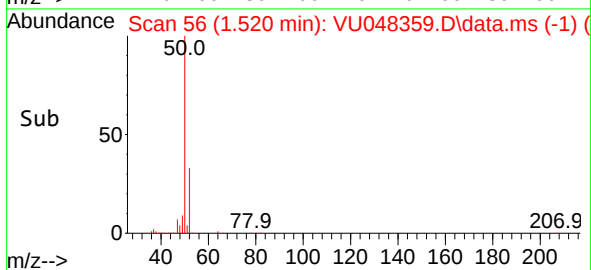
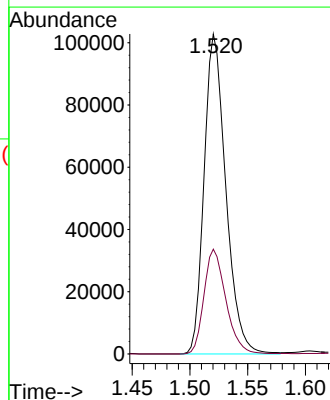
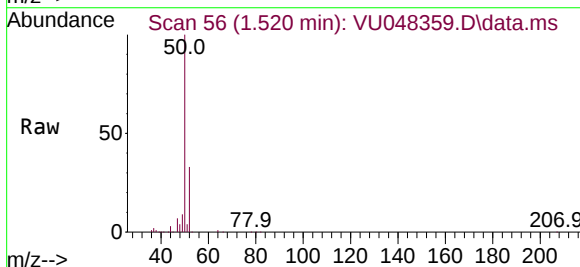
Instrument :
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 ClientSampleId :
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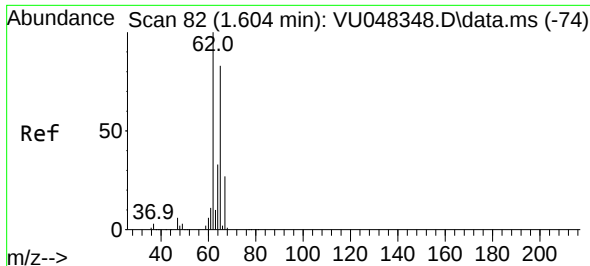
Tgt Ion: 85 Resp: 127126
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.1 39.1



#3
 Chloromethane
 Concen: 35.919 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

Tgt Ion: 50 Resp: 134472
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2

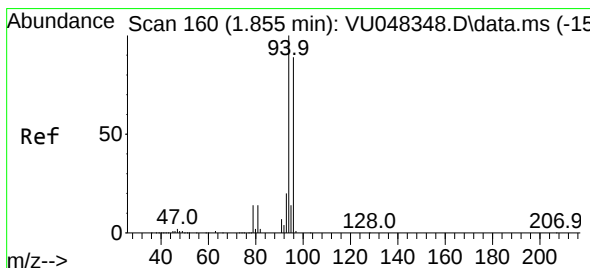
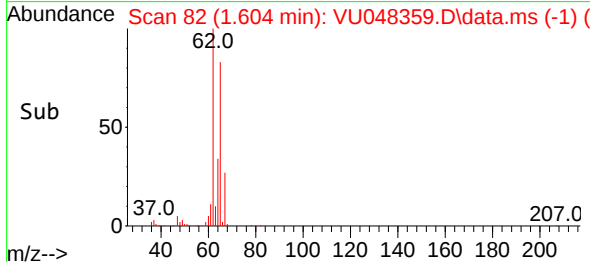
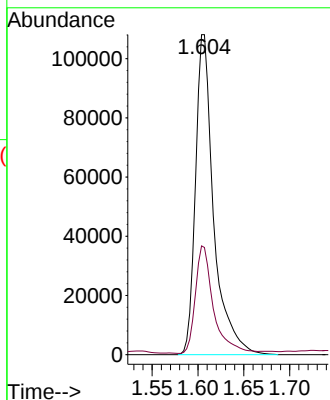
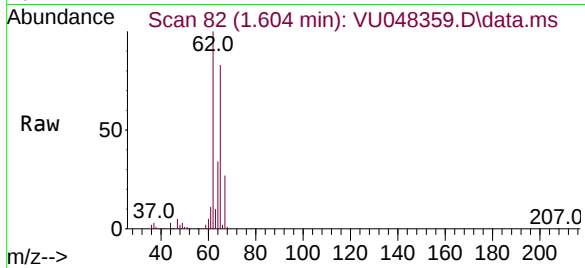




#5
 Vinyl chloride
 Concen: 39.415 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

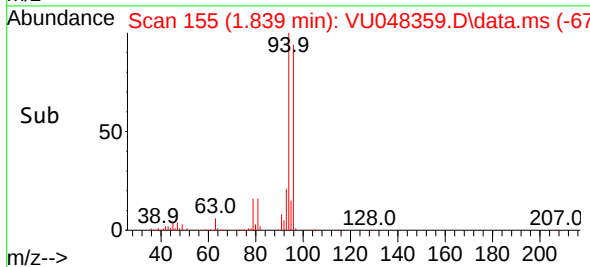
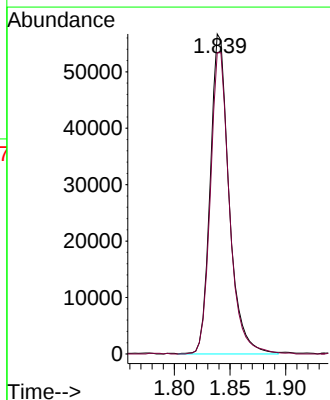
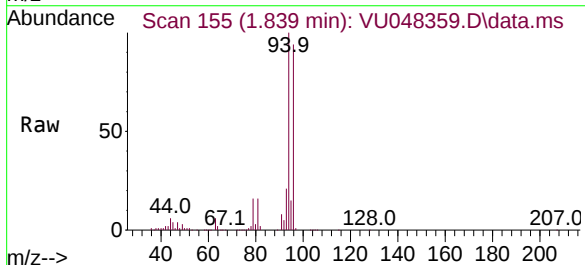
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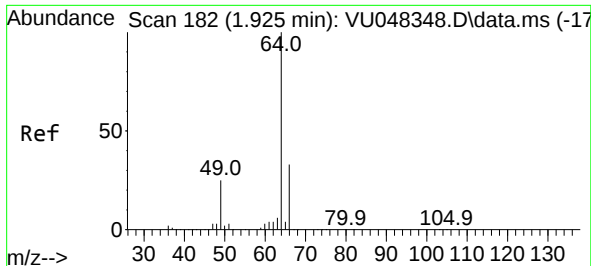
Tgt Ion: 62 Resp: 148701
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.5 41.7



#6
 Bromomethane
 Concen: 38.516 ug/L
 RT: 1.839 min Scan# 155
 Delta R.T. -0.016 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

Tgt Ion: 94 Resp: 66781
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.8 122.2

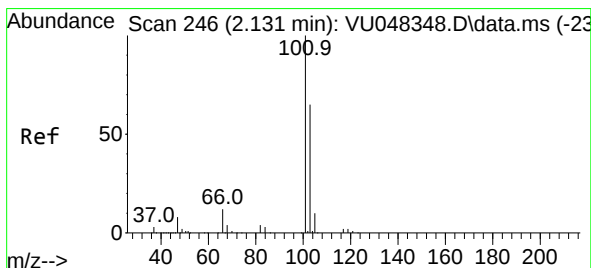
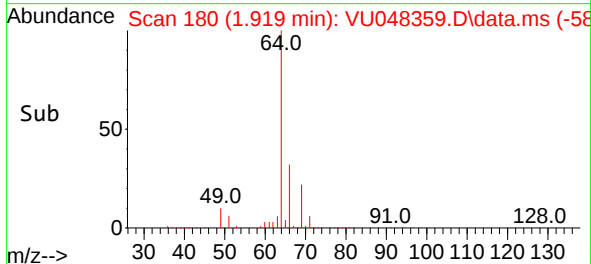
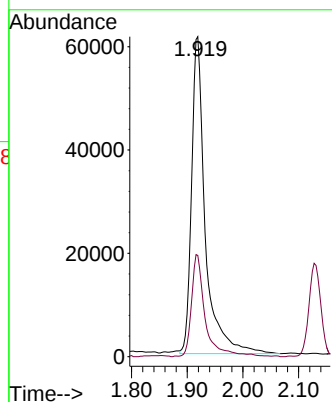
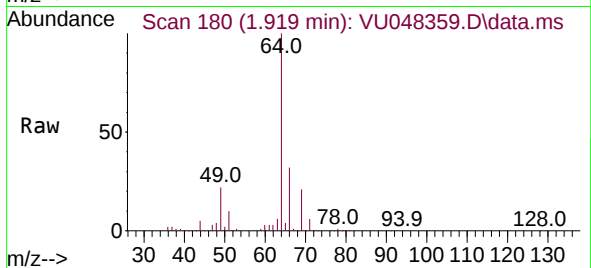




#8
Chloroethane
Concen: 49.256 ug/L
RT: 1.919 min Scan# 182
Delta R.T. -0.006 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

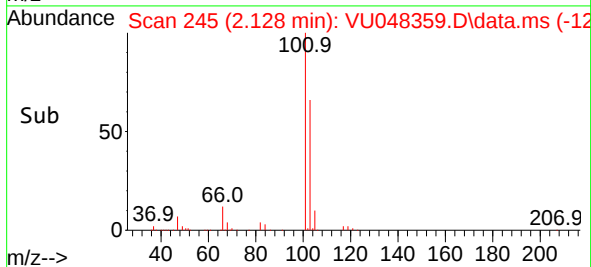
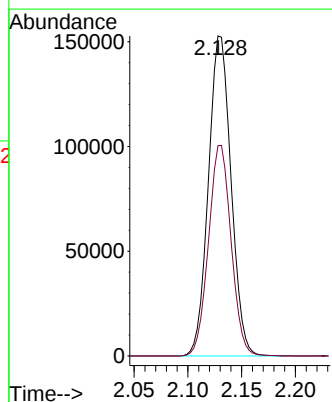
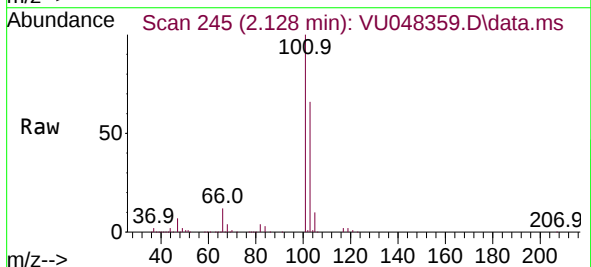
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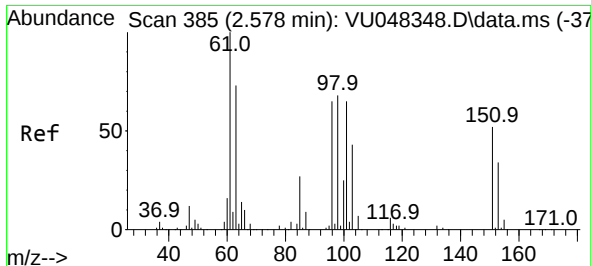
Tgt Ion: 64 Resp: 105074
Ion Ratio Lower Upper
64 100
66 31.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 45.501 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:101 Resp: 223713
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9

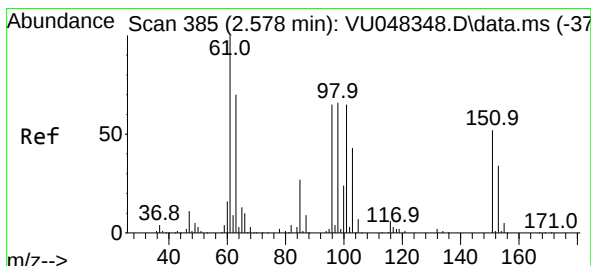
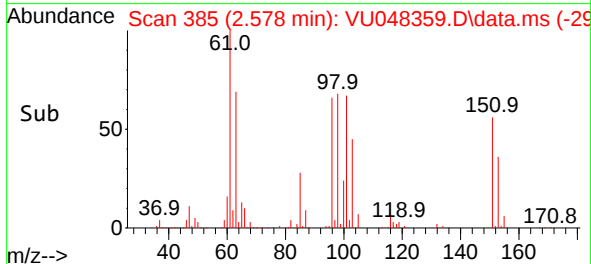
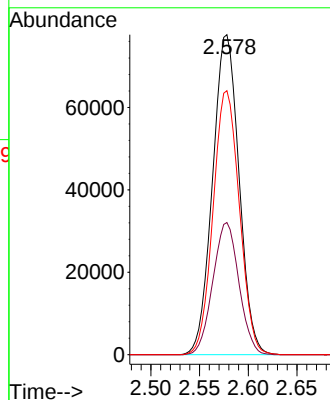
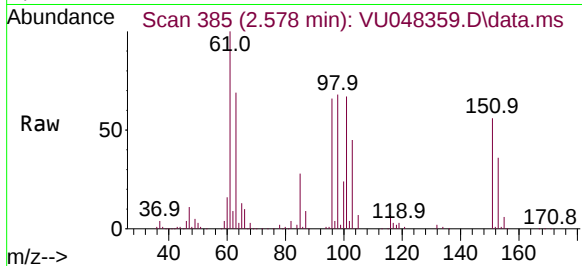




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.016 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

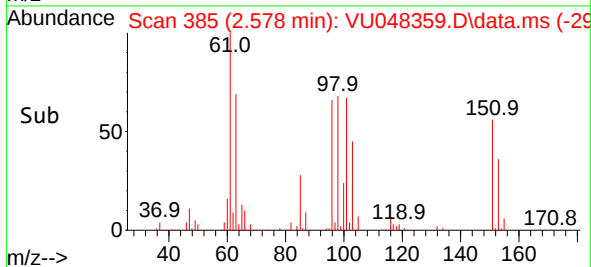
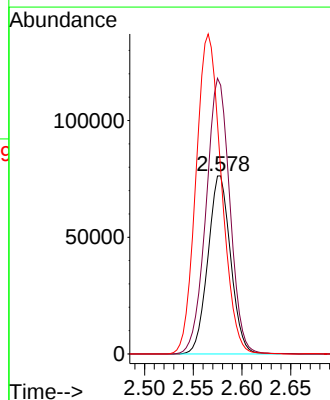
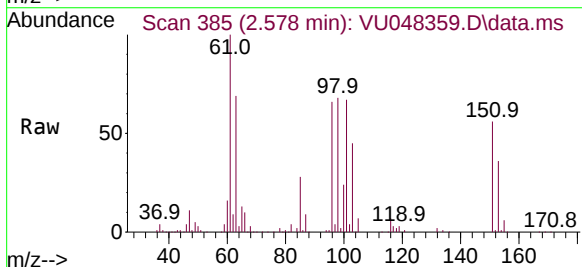
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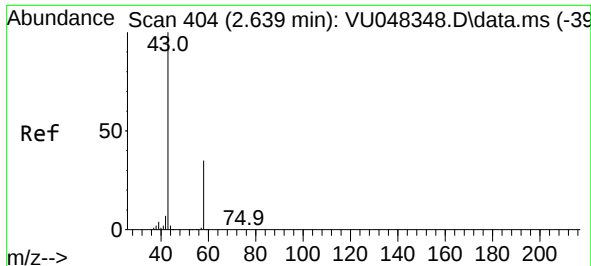
Tgt Ion:101 Resp: 146791
Ion Ratio Lower Upper
101 100
85 40.7 32.6 48.8
151 81.9 64.1 96.1



#12
1,1-Dichloroethene
Concen: 43.427 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 96 Resp: 123611
Ion Ratio Lower Upper
96 100
61 150.8 107.9 200.3
63 103.4 80.3 149.1

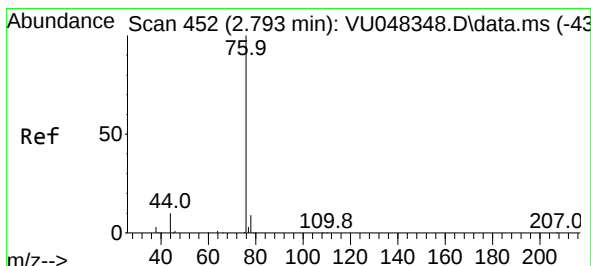
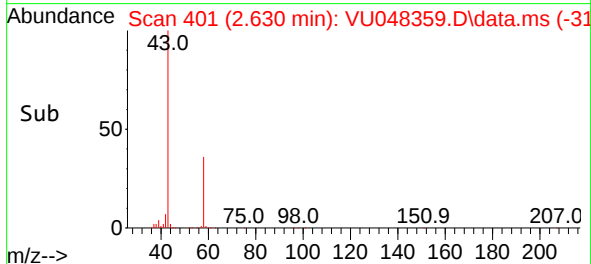
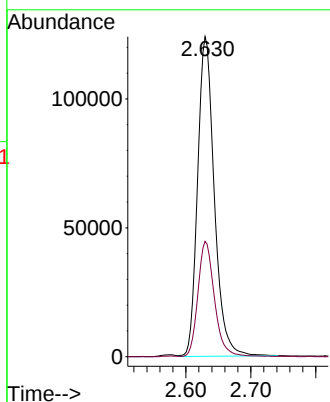
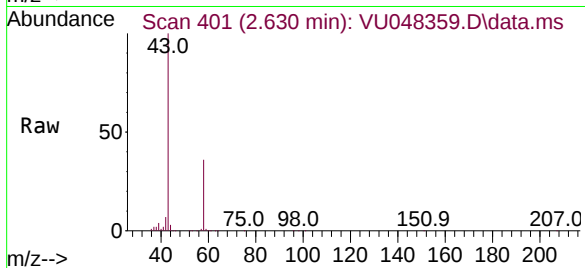




#13
Acetone
Concen: 101.820 ug/L
RT: 2.630 min Scan# 404
Delta R.T. -0.010 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

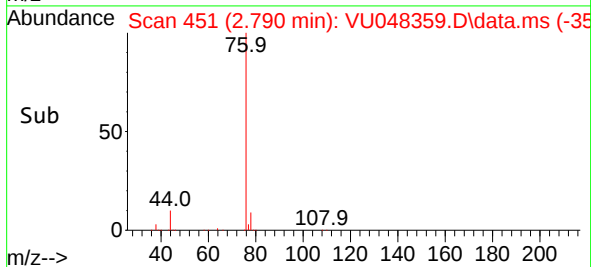
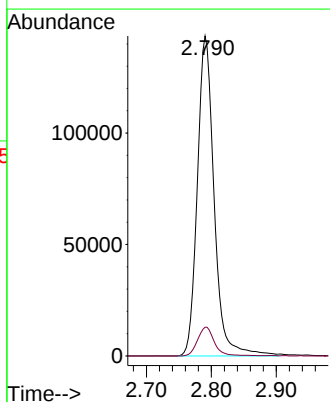
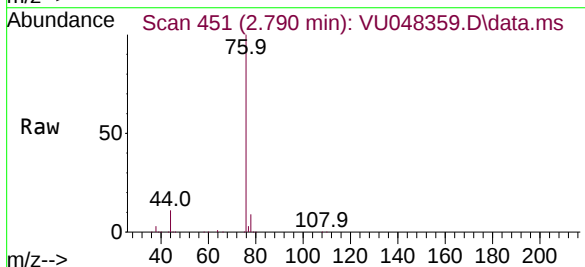
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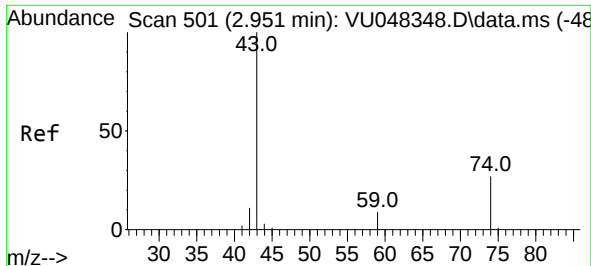
Tgt Ion: 43 Resp: 221924
Ion Ratio Lower Upper
43 100
58 35.6 0.0 71.2



#14
Carbon disulfide
Concen: 37.329 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 76 Resp: 258961
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

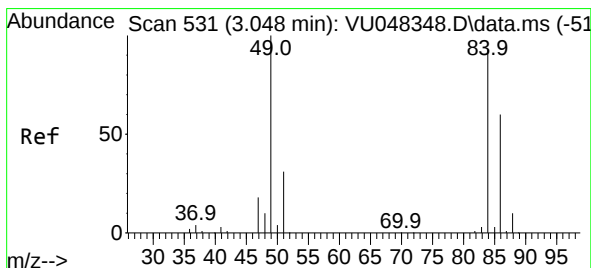
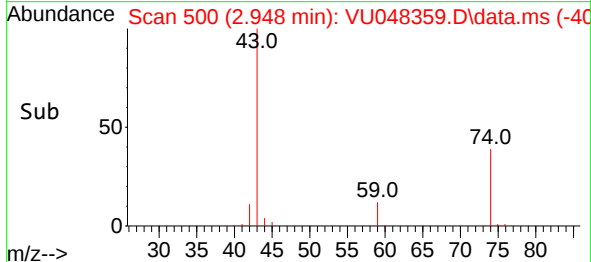
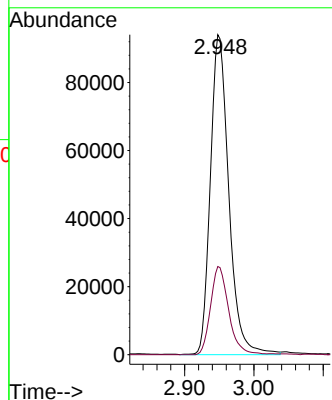
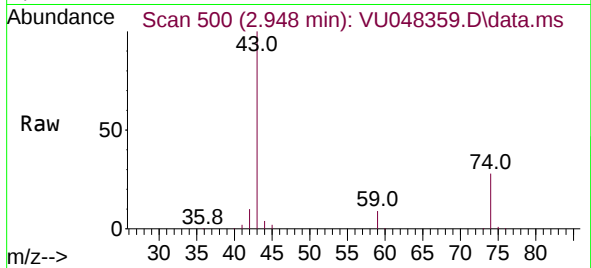




#15
Methyl Acetate
Concen: 40.133 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

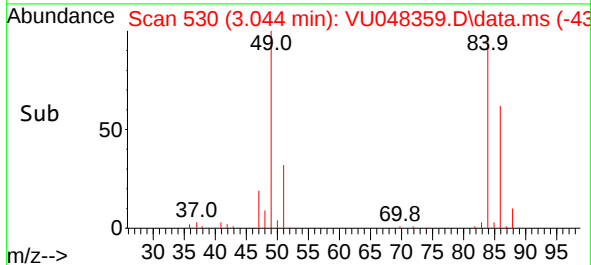
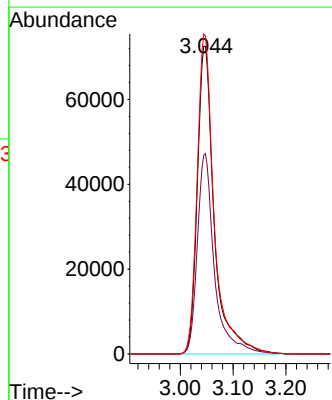
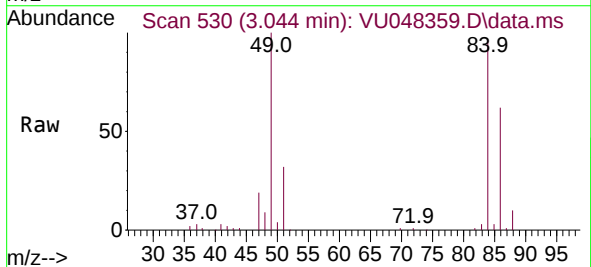
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

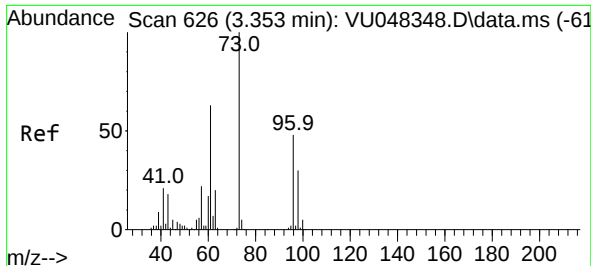
Tgt Ion: 43 Resp: 173640
Ion Ratio Lower Upper
43 100
74 27.0 21.0 31.6



#16
Methylene chloride
Concen: 44.155 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 84 Resp: 162033
Ion Ratio Lower Upper
84 100
86 64.6 45.4 84.2
49 104.0 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 44.299 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

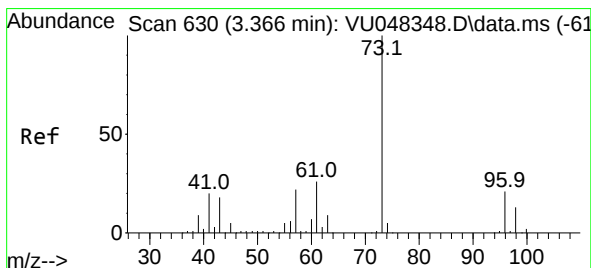
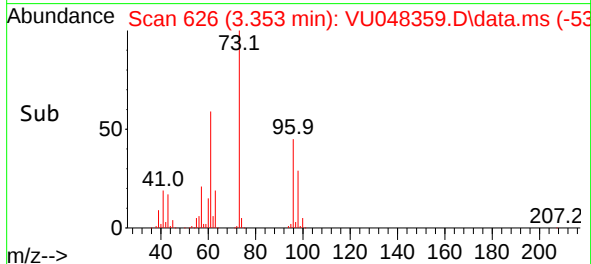
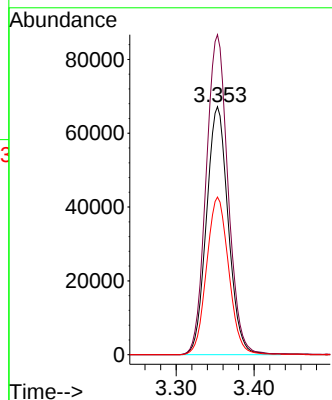
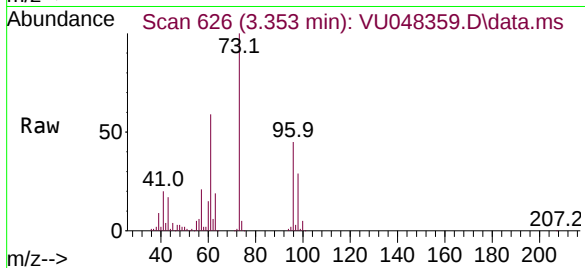
Tgt Ion: 96 Resp: 130991

Ion Ratio Lower Upper

96 100

61 129.1 95.2 176.8

98 63.6 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 48.694 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

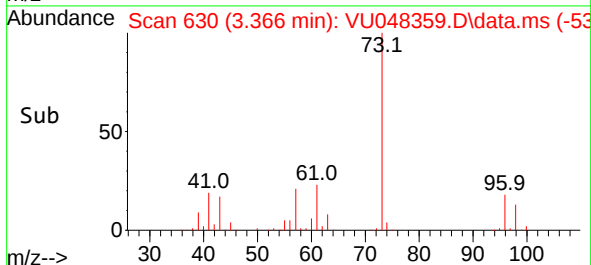
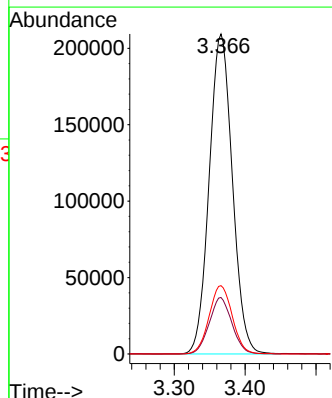
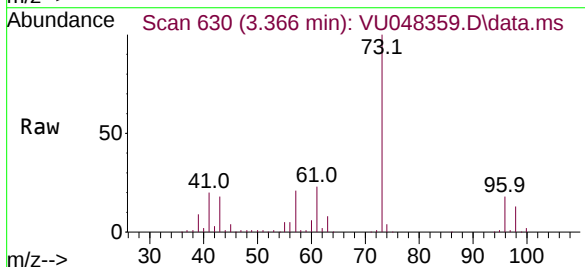
Tgt Ion: 73 Resp: 475074

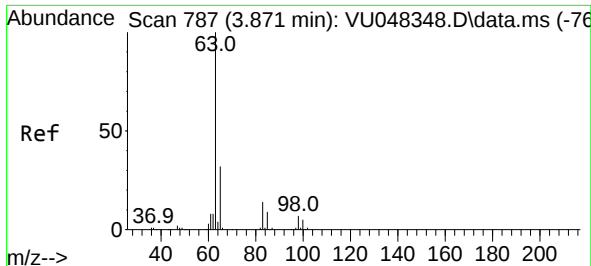
Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.6

57 21.3 17.9 26.9

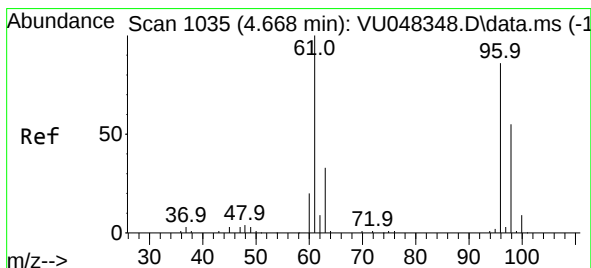
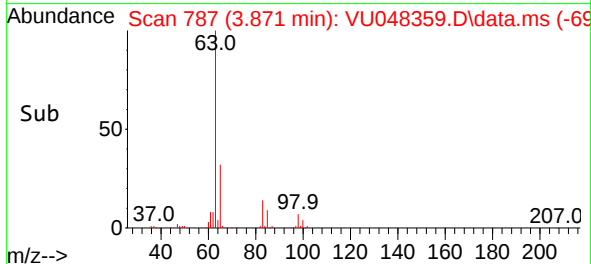
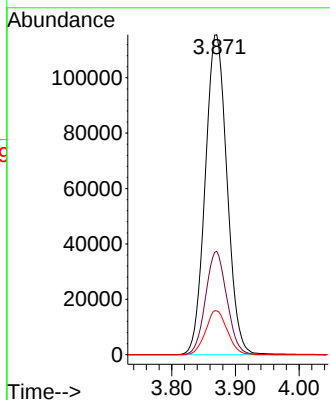
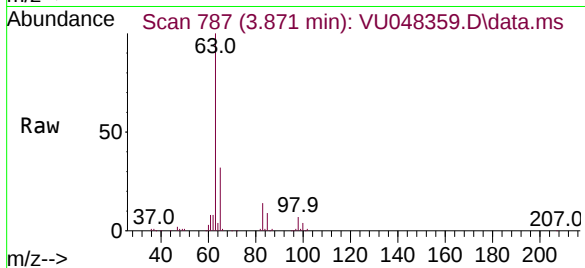




#19
1,1-Dichloroethane
Concen: 44.411 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

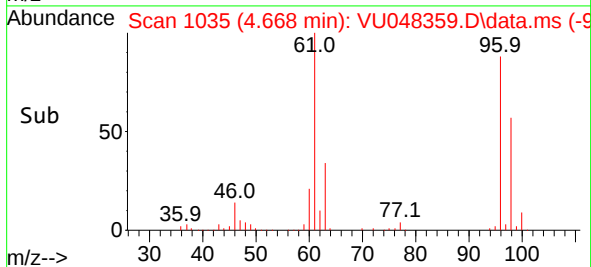
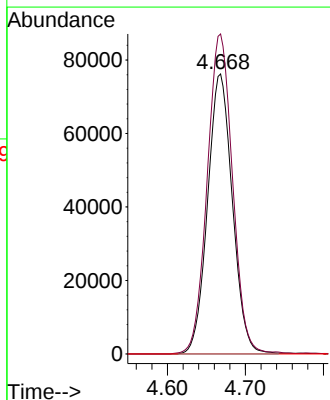
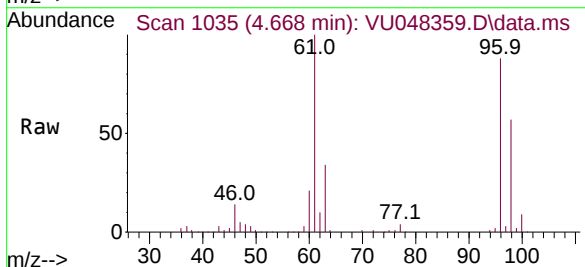
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

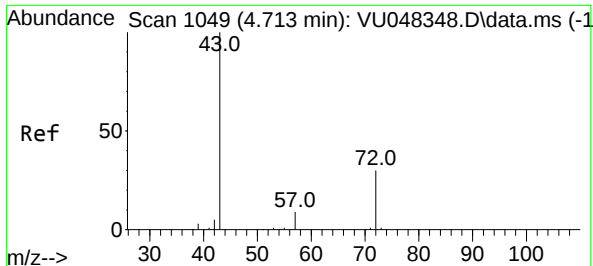
Tgt Ion: 63 Resp: 274611
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 13.7 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 47.315 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 96 Resp: 168645
Ion Ratio Lower Upper
96 100
61 114.3 87.0 161.6
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.842 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.010 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

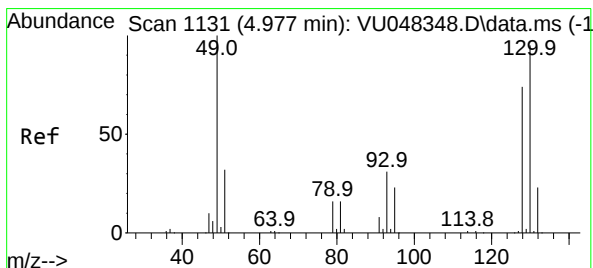
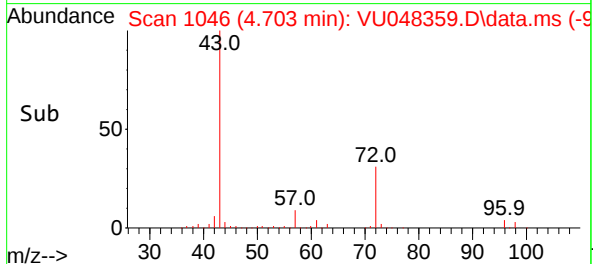
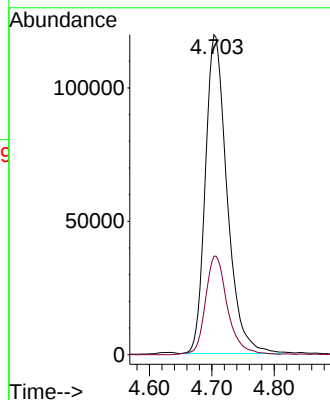
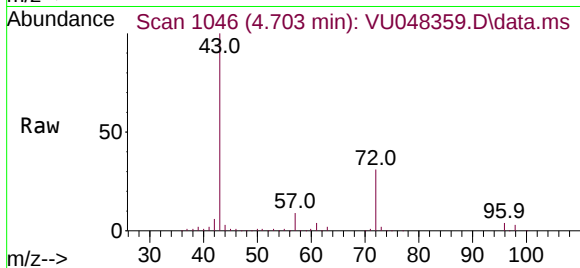
VSTD050109

Tgt Ion: 43 Resp: 289561

Ion Ratio Lower Upper

43 100

72 31.5 14.6 43.8



#23

Bromochloromethane

Concen: 46.871 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Tgt Ion: 128 Resp: 93271

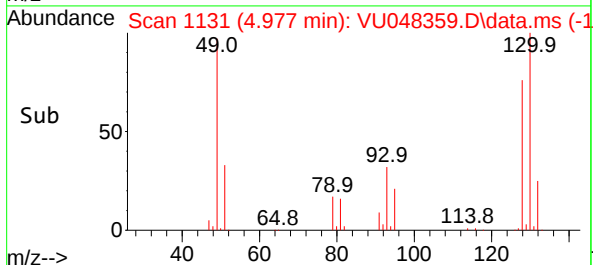
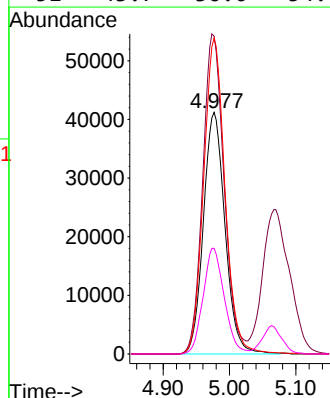
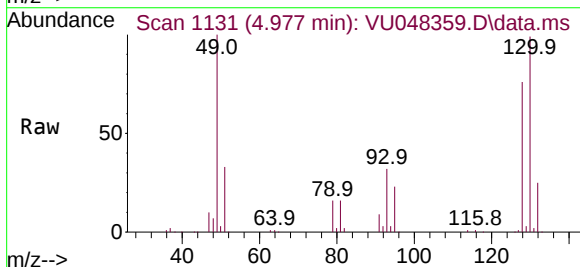
Ion Ratio Lower Upper

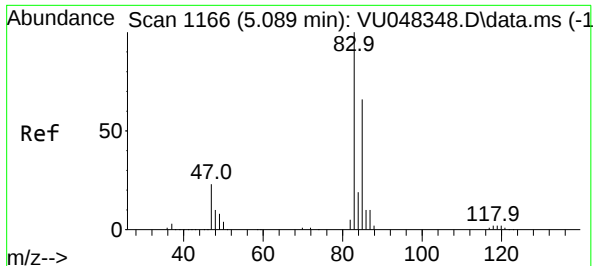
128 100

49 131.6 101.3 188.1

130 130.8 89.0 165.2

51 43.7 36.0 54.0





#25

Chloroform

Concen: 47.002 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

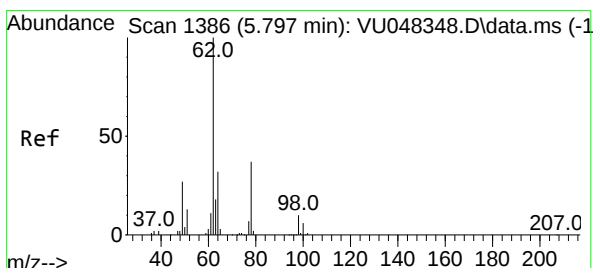
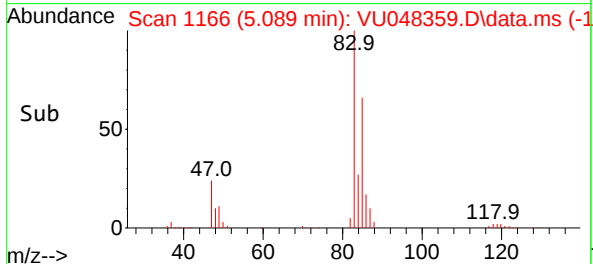
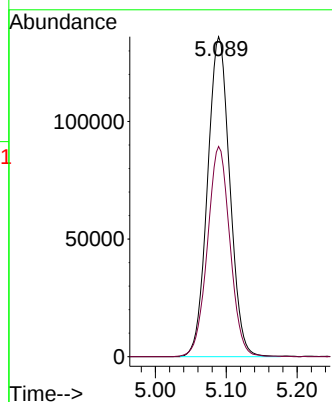
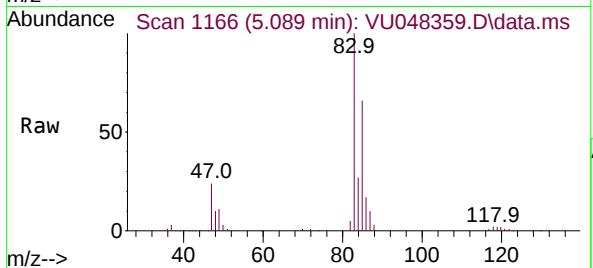
VSTD050109

Tgt Ion: 83 Resp: 296780

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 46.707 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048359.D

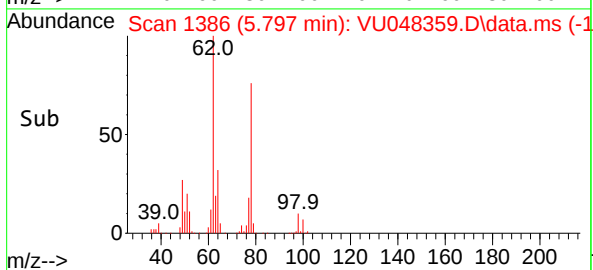
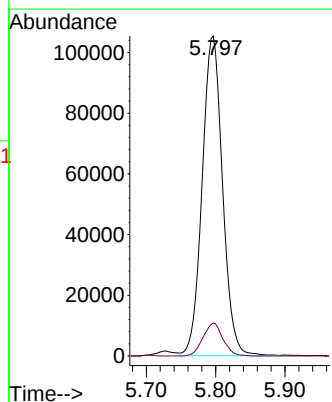
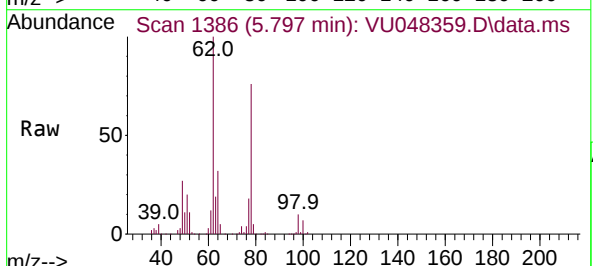
Acq: 02 May 2022 10:13

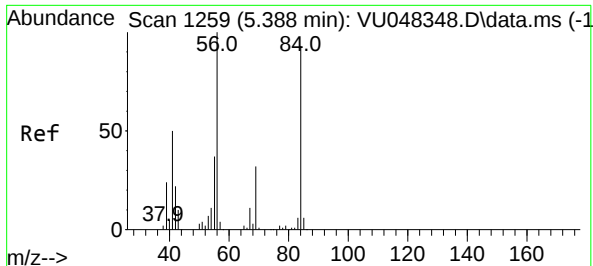
Tgt Ion: 62 Resp: 215113

Ion Ratio Lower Upper

62 100

98 10.2 8.5 12.7





#29

Cyclohexane

Concen: 45.537 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

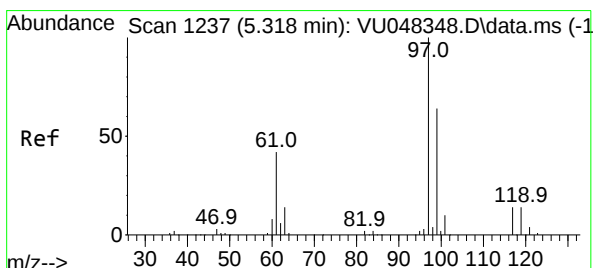
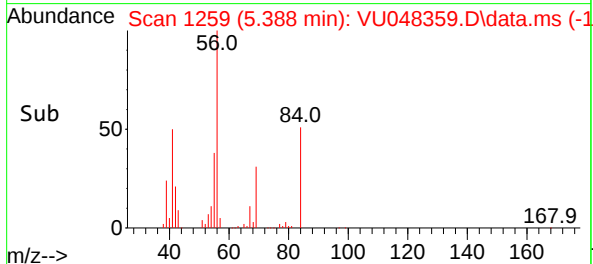
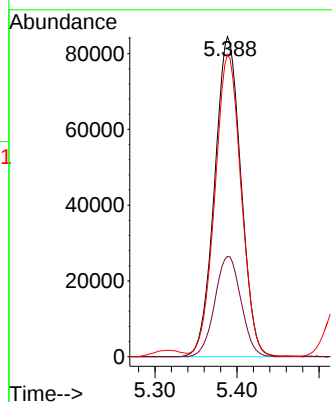
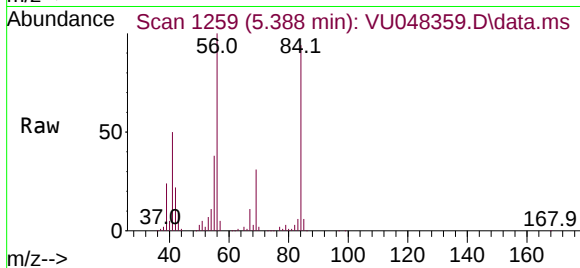
Tgt Ion: 56 Resp: 188242

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.4

84 94.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 49.386 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

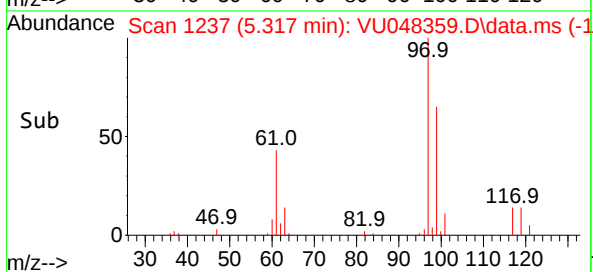
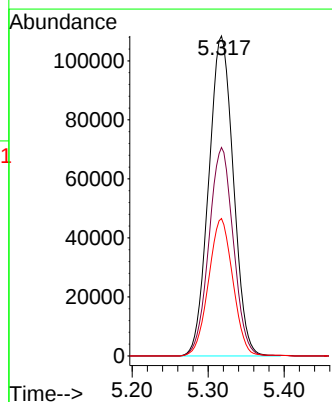
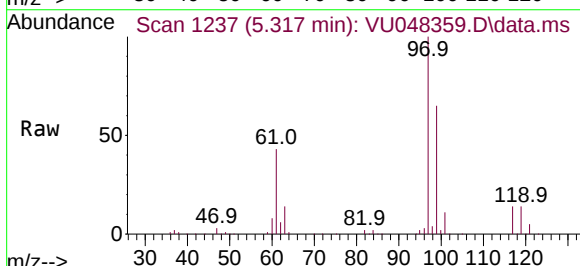
Tgt Ion: 97 Resp: 244342

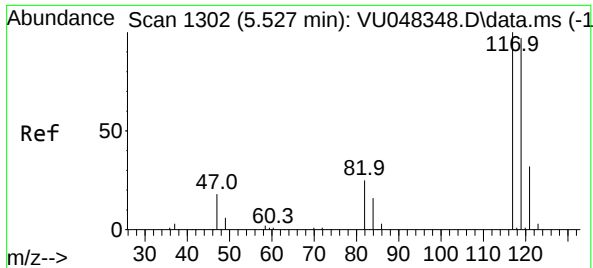
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 42.3 33.9 50.9

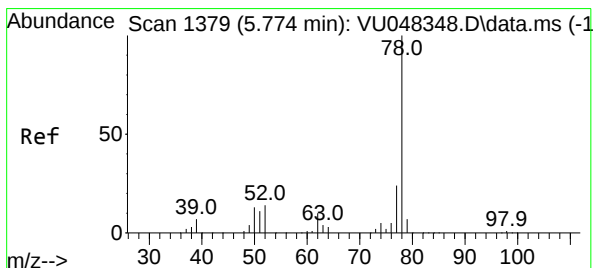
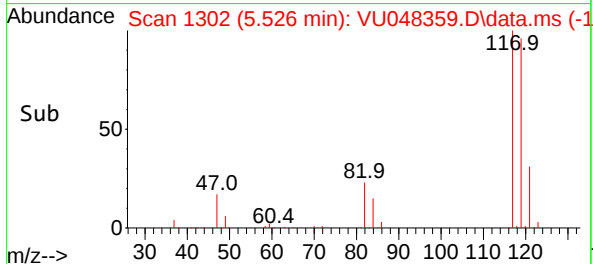
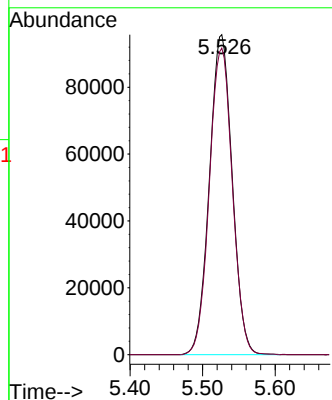
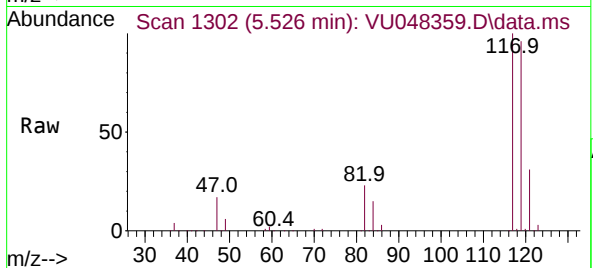




#31
Carbon tetrachloride
Concen: 49.624 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

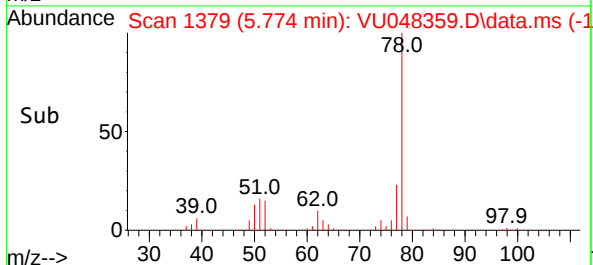
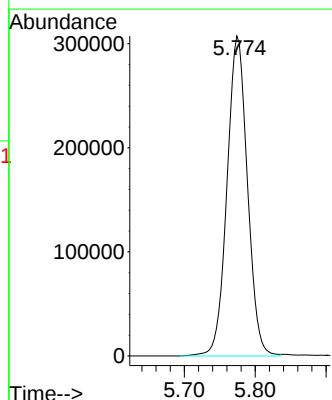
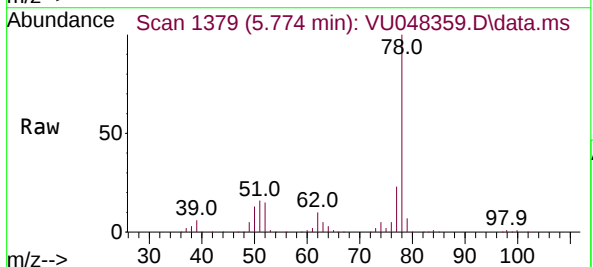
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

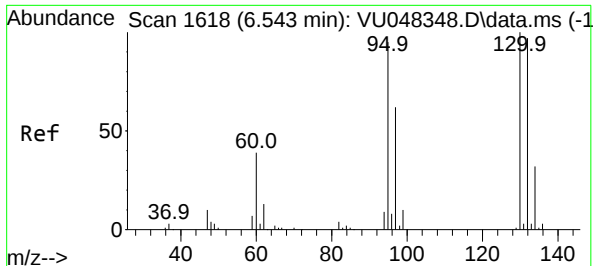
Tgt Ion:117 Resp: 209262
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 47.512 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 78 Resp: 615456





#34

Trichloroethene

Concen: 48.903 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

Tgt Ion: 95 Resp: 155270

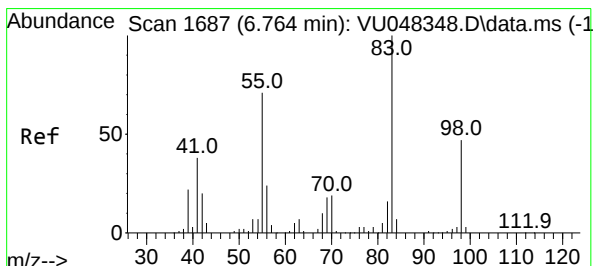
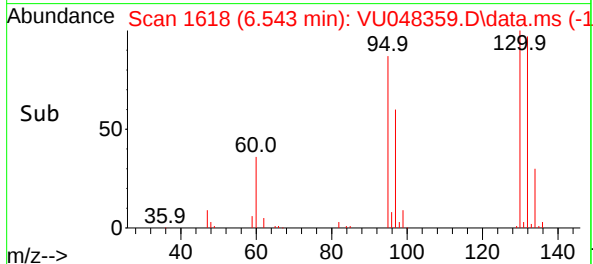
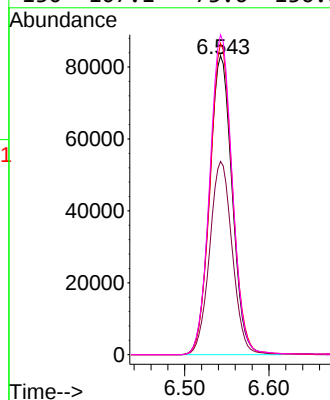
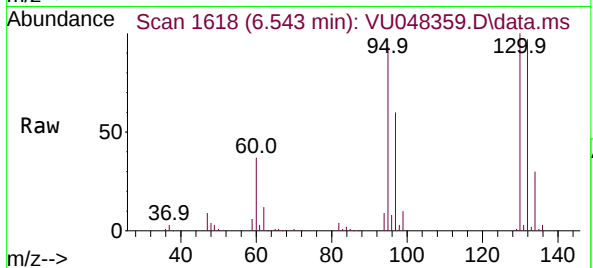
Ion Ratio Lower Upper

95 100

97 64.6 45.8 85.2

132 104.2 71.6 133.0

130 107.1 73.6 136.8



#35

Methylcyclohexane

Concen: 48.119 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

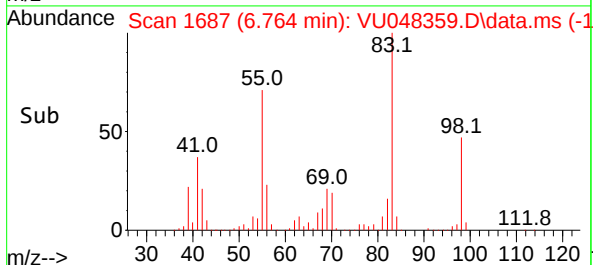
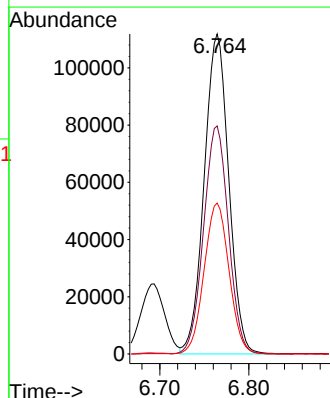
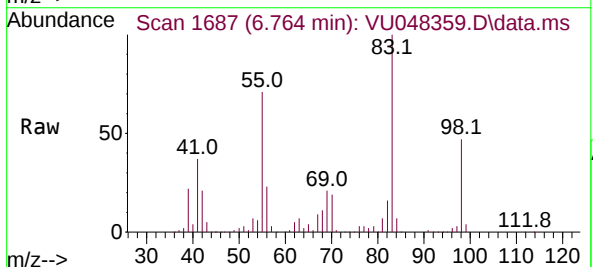
Tgt Ion: 83 Resp: 214501

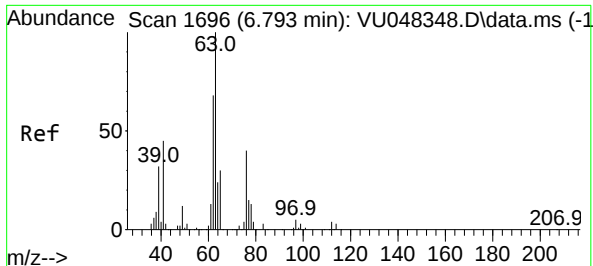
Ion Ratio Lower Upper

83 100

55 71.9 59.4 89.2

98 47.9 37.3 55.9





#37

1,2-Dichloropropane

Concen: 46.669 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

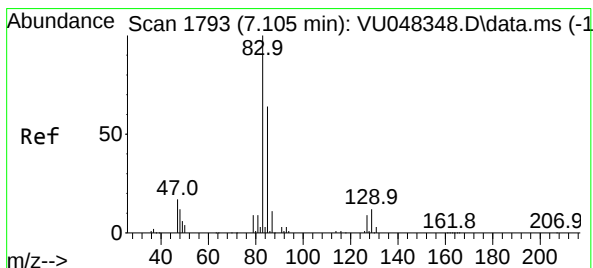
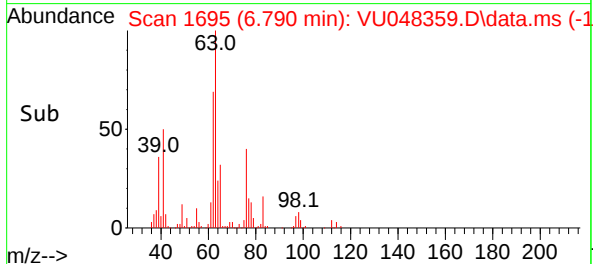
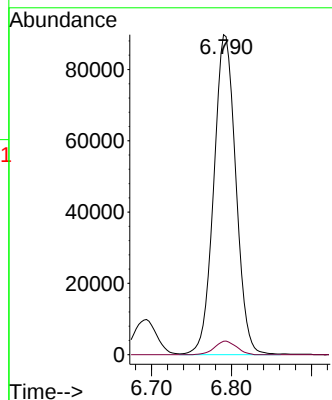
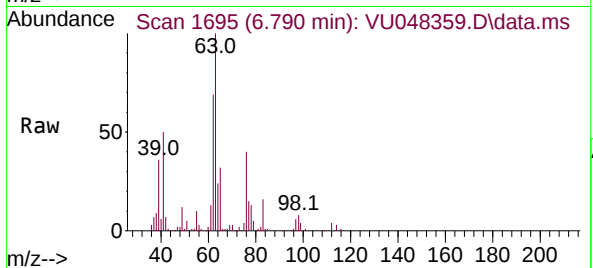
VSTD050109

Tgt Ion: 63 Resp: 172002

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 48.417 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

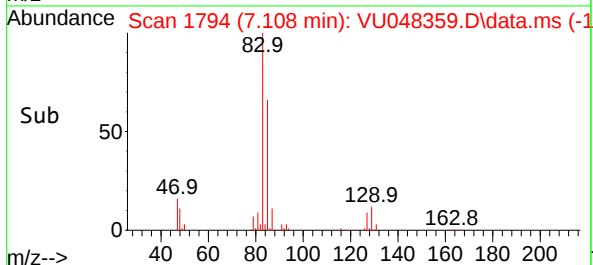
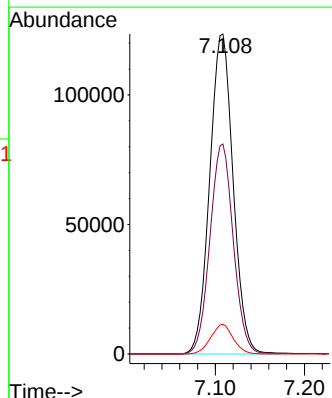
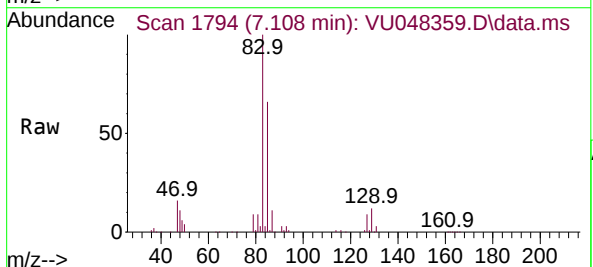
Tgt Ion: 83 Resp: 225349

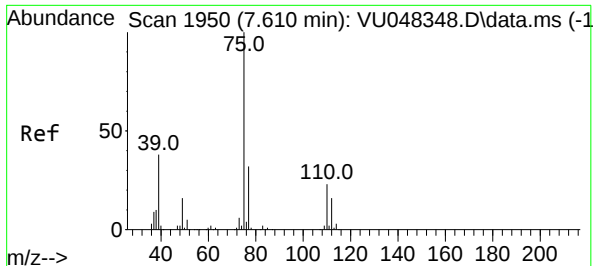
Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.254 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

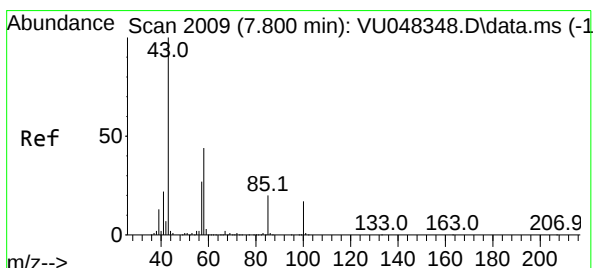
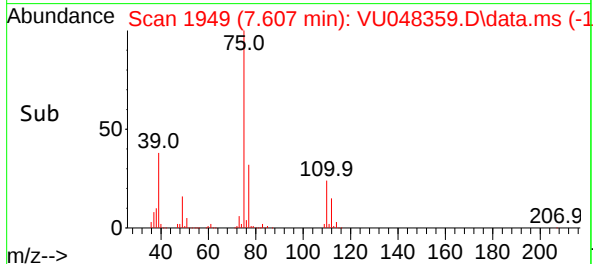
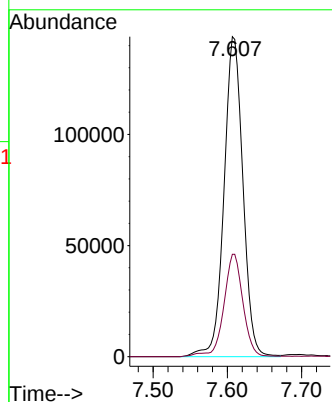
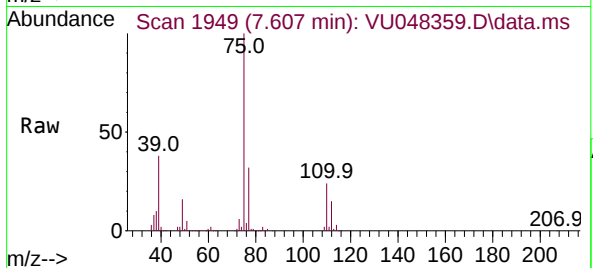
VSTD050109

Tgt Ion: 75 Resp: 255261

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 92.651 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

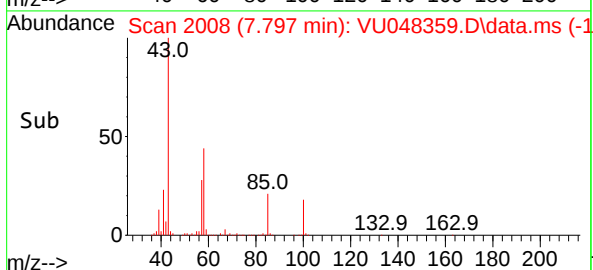
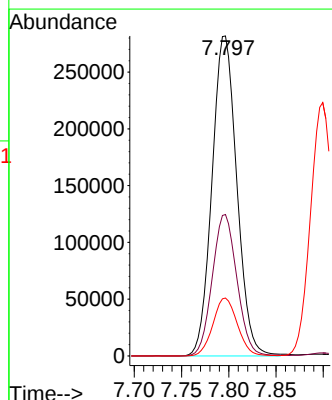
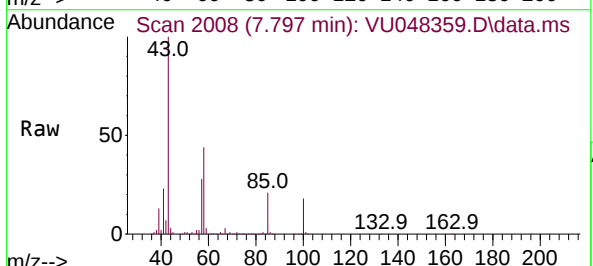
Tgt Ion: 43 Resp: 515027

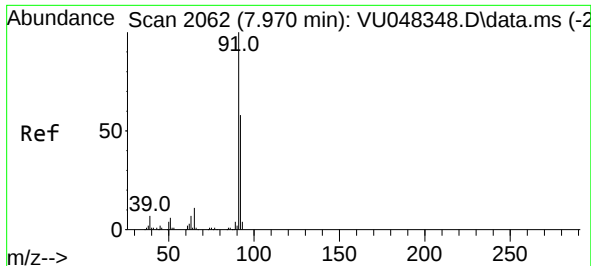
Ion Ratio Lower Upper

43 100

58 43.8 34.4 51.6

100 17.9 13.6 20.4





#42

Toluene

Concen: 49.839 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

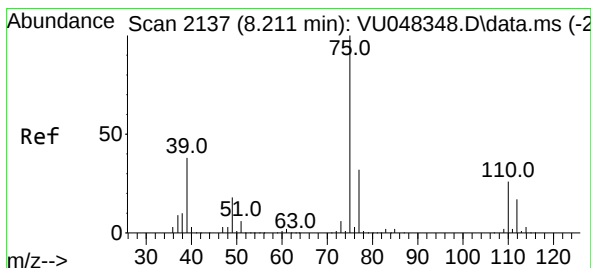
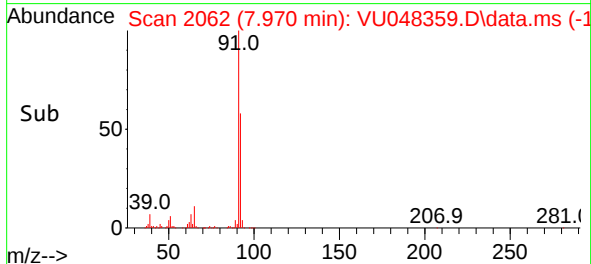
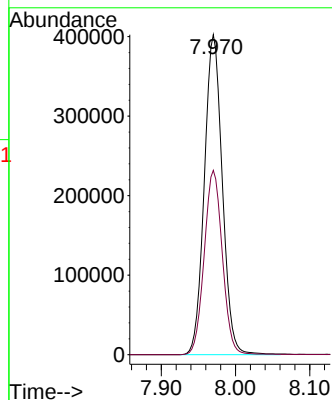
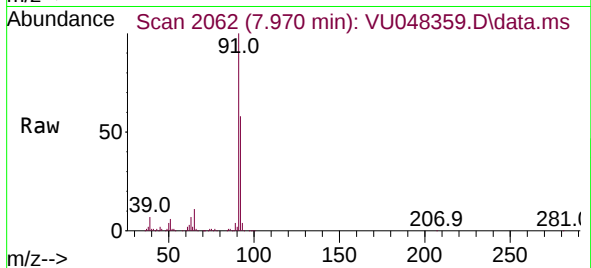
VSTD050109

Tgt Ion: 91 Resp: 677816

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.328 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048359.D

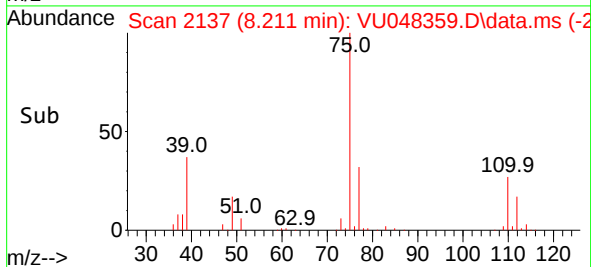
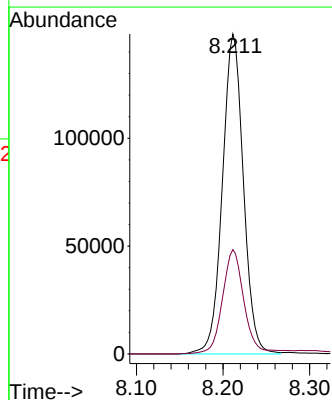
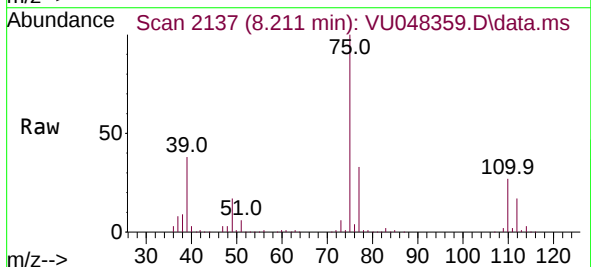
Acq: 02 May 2022 10:13

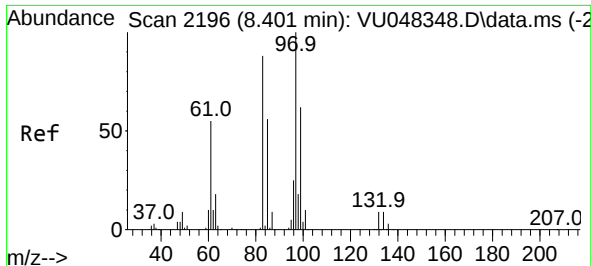
Tgt Ion: 75 Resp: 249742

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1

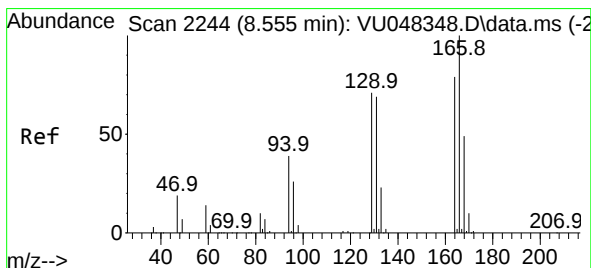
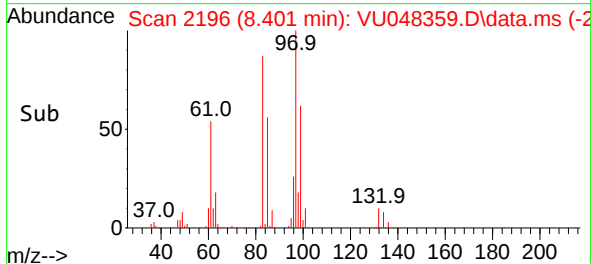
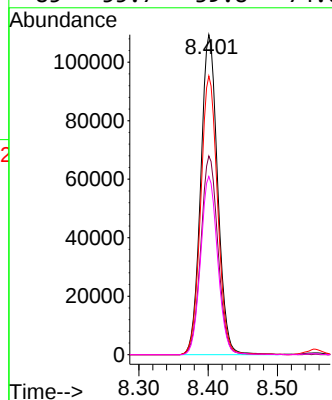
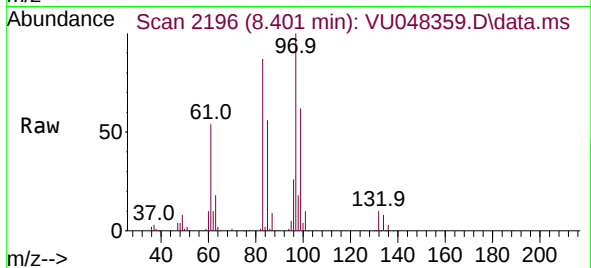




#45
1,1,2-Trichloroethane
Concen: 48.099 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

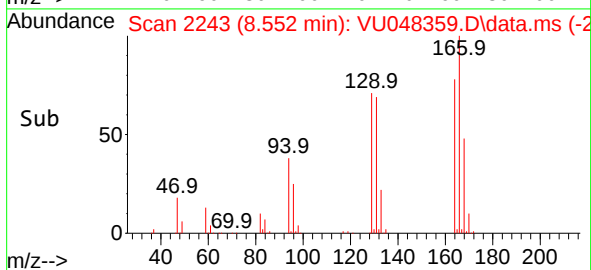
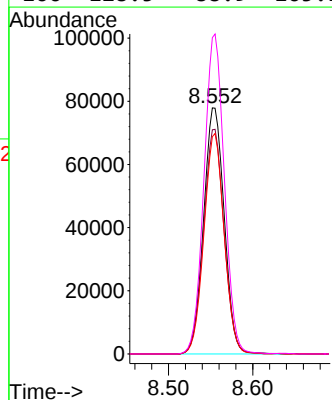
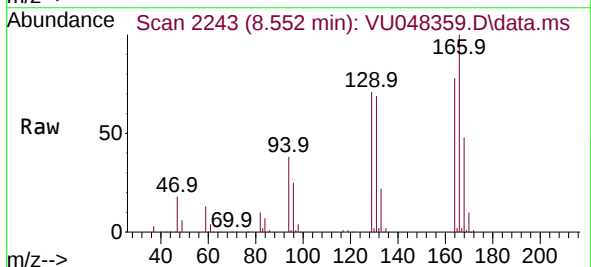
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

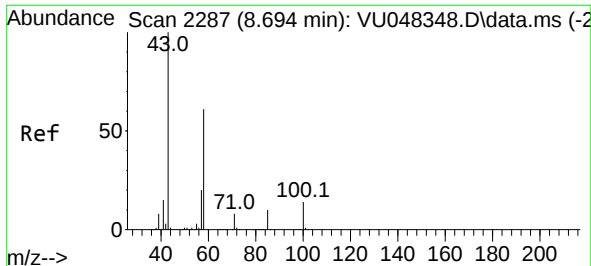
Tgt Ion:	97	Resp:	185990
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.7	81.1
83	87.1	62.6	116.2
85	55.7	39.8	74.0



#46
Tetrachloroethene
Concen: 48.766 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:	164	Resp:	132888
Ion	Ratio	Lower	Upper
164	100		
129	91.1	63.3	117.7
131	88.3	61.2	113.6
166	128.5	88.9	165.1

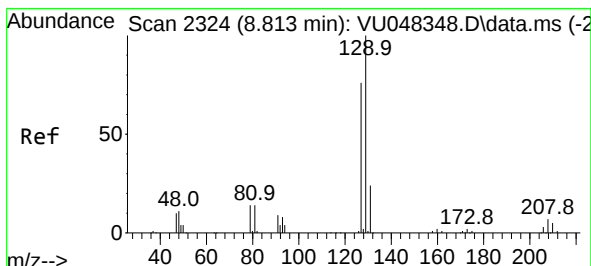
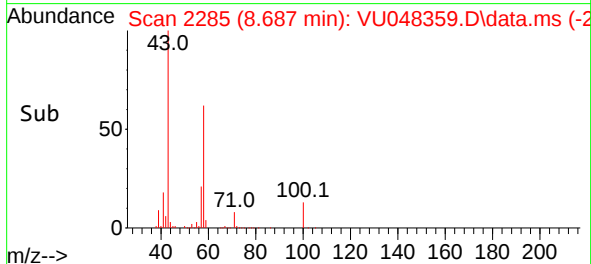
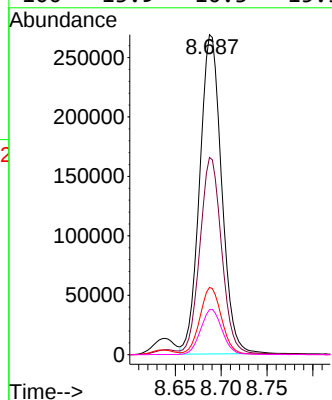
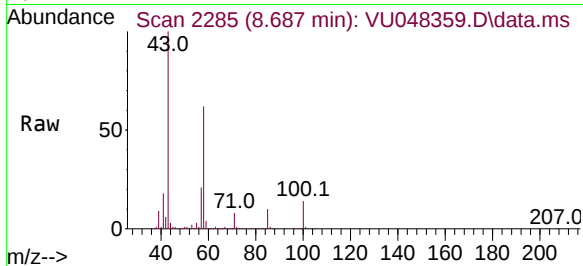




#48
2-Hexanone
Concen: 96.377 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

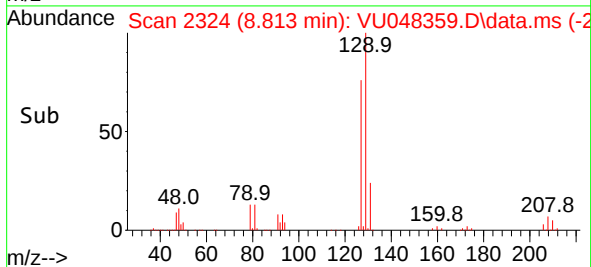
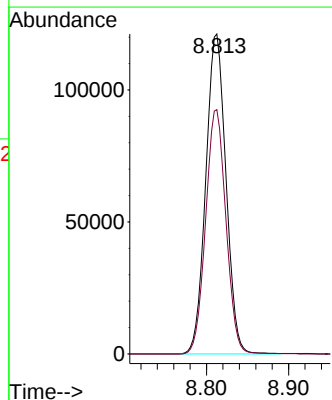
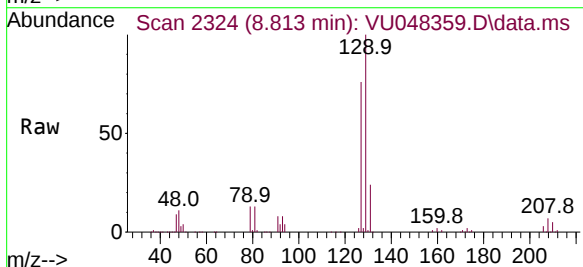
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

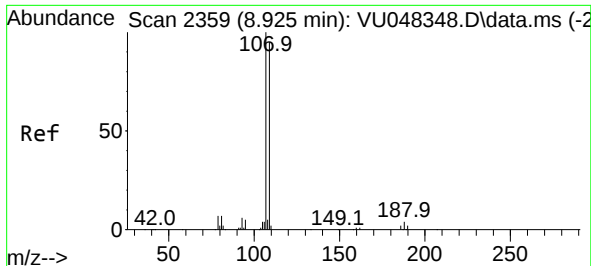
Tgt Ion: 43 Resp: 447378
Ion Ratio Lower Upper
43 100
58 61.4 48.1 72.1
57 20.8 16.2 24.4
100 13.9 10.3 15.5



#49
Dibromochloromethane
Concen: 48.817 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 129 Resp: 207426
Ion Ratio Lower Upper
129 100
127 76.4 53.8 99.8





#50

1,2-Dibromoethane

Concen: 48.931 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

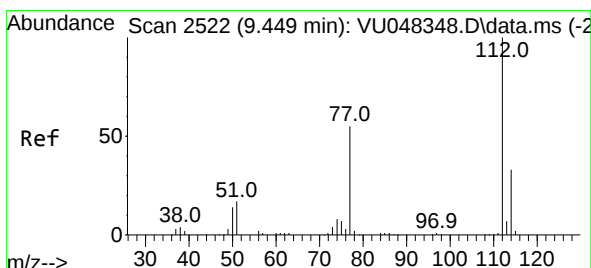
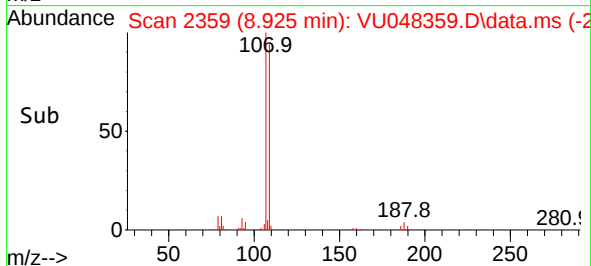
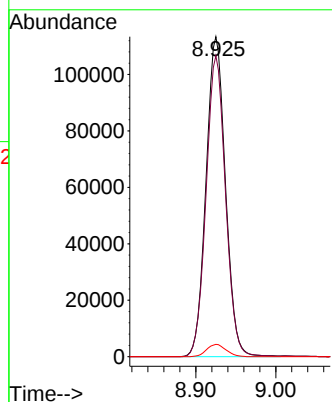
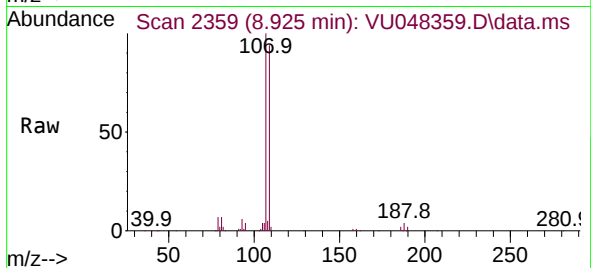
Tgt Ion:107 Resp: 191872

Ion Ratio Lower Upper

107 100

109 94.0 65.0 120.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 47.546 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

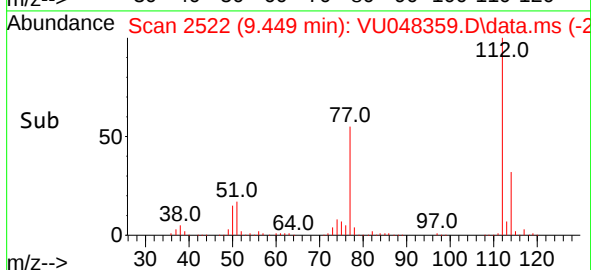
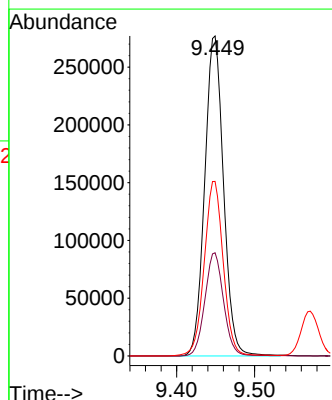
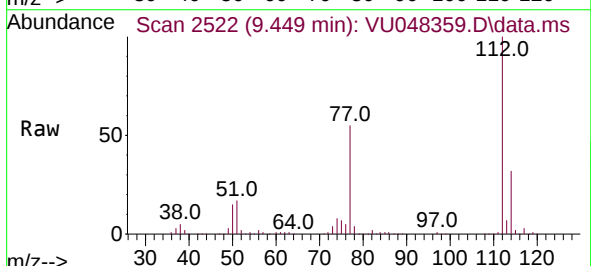
Tgt Ion:112 Resp: 466091

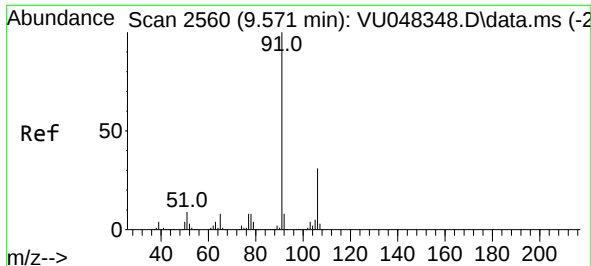
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.1

77 54.5 44.3 66.5

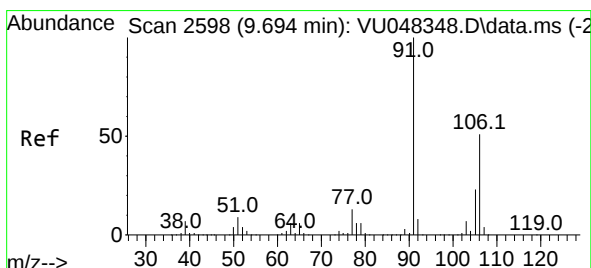
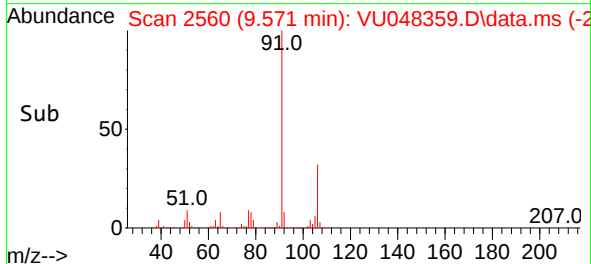
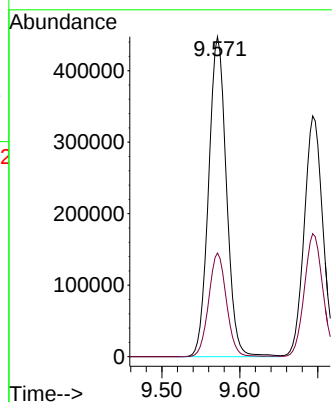
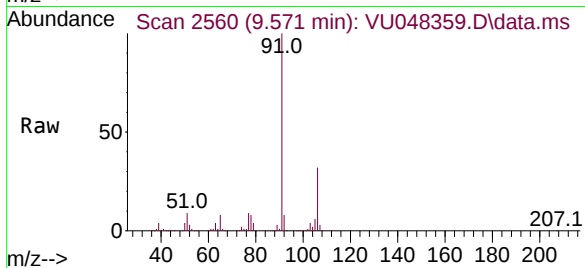




#52
Ethylbenzene
Concen: 50.443 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

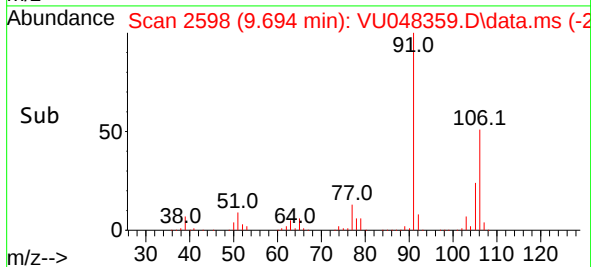
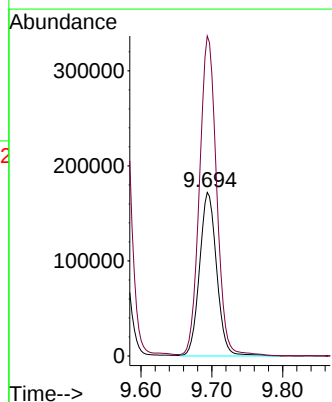
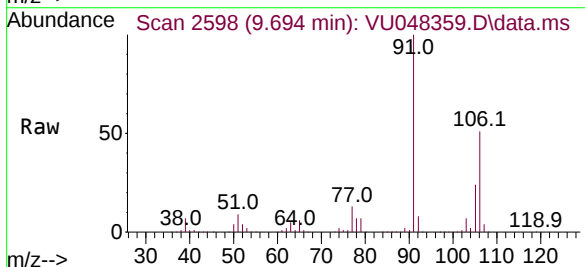
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

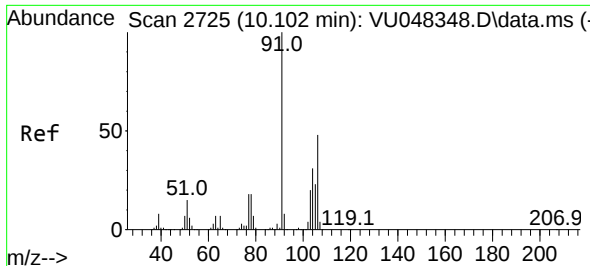
Tgt Ion: 91 Resp: 710471
Ion Ratio Lower Upper
91 100
106 32.4 22.5 41.9



#53
m,p-Xylene
Concen: 51.822 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 106 Resp: 288034
Ion Ratio Lower Upper
106 100
91 195.6 137.4 255.2

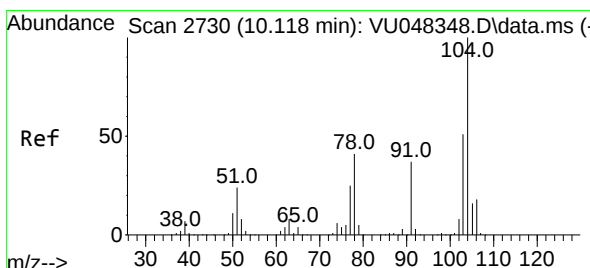
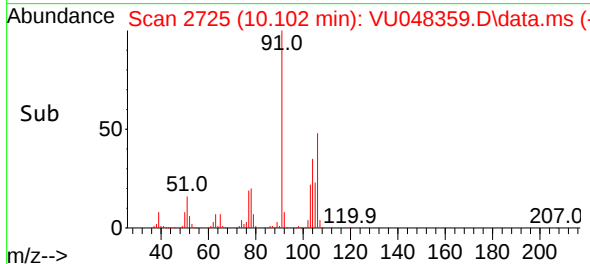
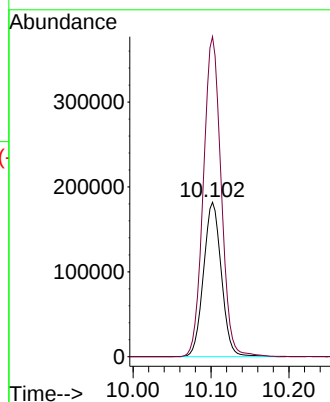
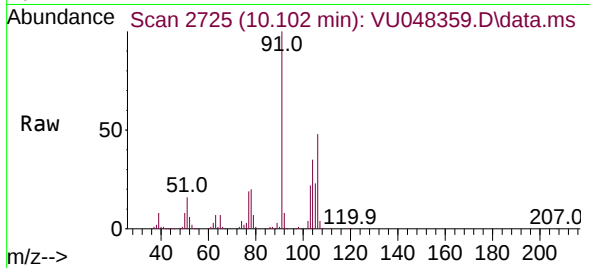




#54
o-Xylene
Concen: 51.741 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

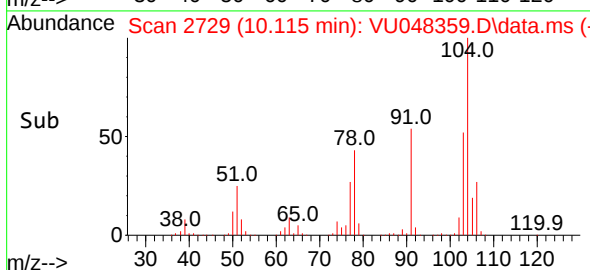
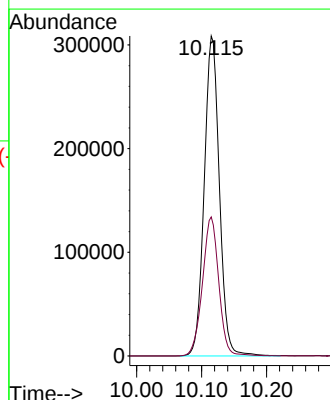
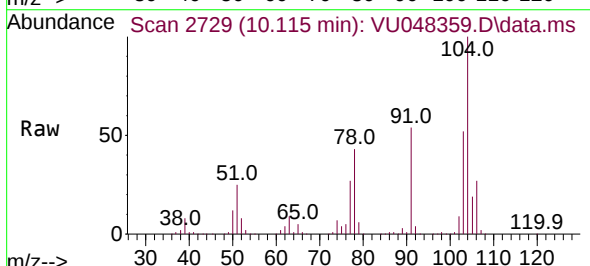
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

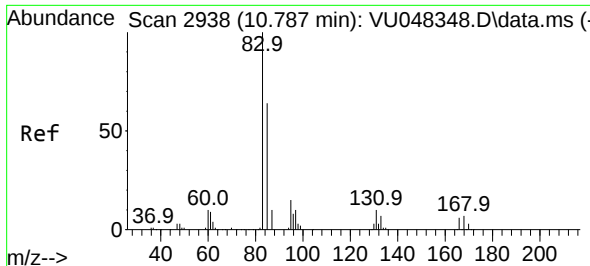
Tgt Ion:106 Resp: 289712
Ion Ratio Lower Upper
106 100
91 207.1 145.3 269.8



#55
Styrene
Concen: 52.698 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:104 Resp: 502674
Ion Ratio Lower Upper
104 100
78 43.4 30.3 56.3

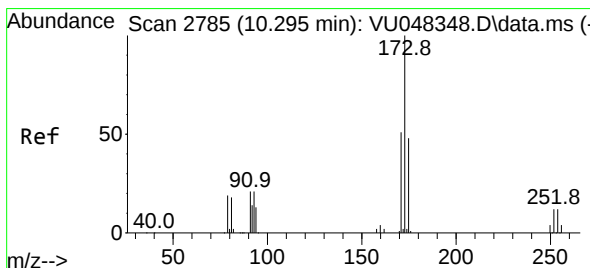
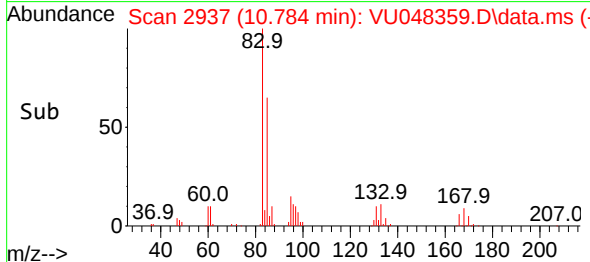
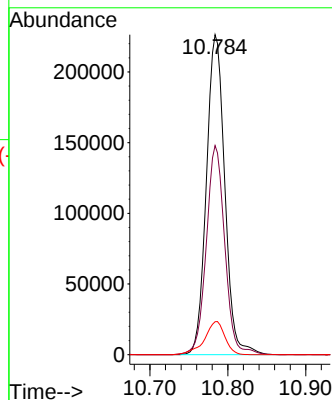
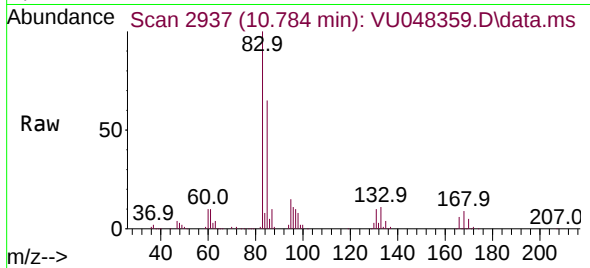




#57
1,1,2,2-Tetrachloroethane
Concen: 48.705 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

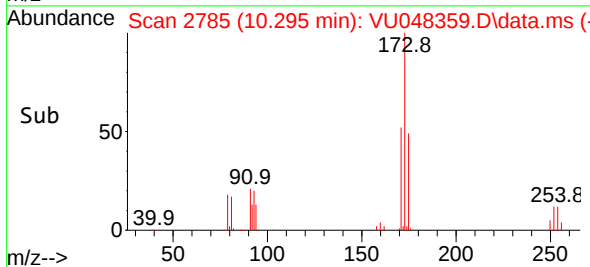
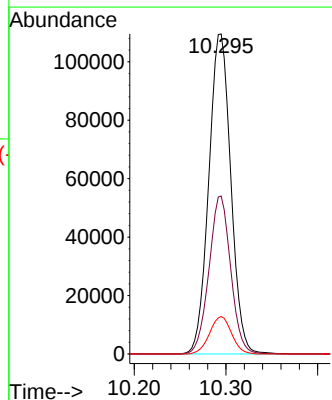
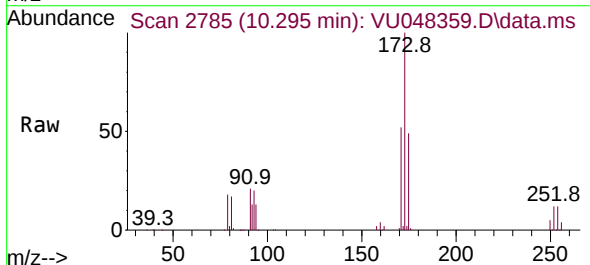
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

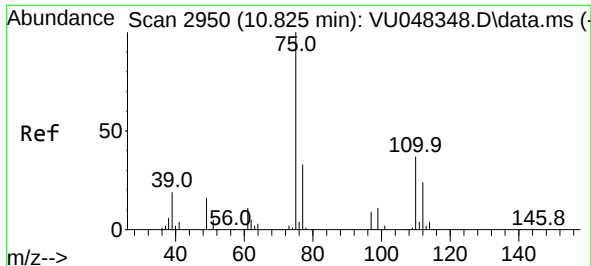
Tgt Ion: 83 Resp: 371699
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7
131 10.3 7.8 11.6



#59
Bromoform
Concen: 47.749 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:173 Resp: 183024
Ion Ratio Lower Upper
173 100
175 48.4 38.9 58.3
254 11.7 9.5 14.3

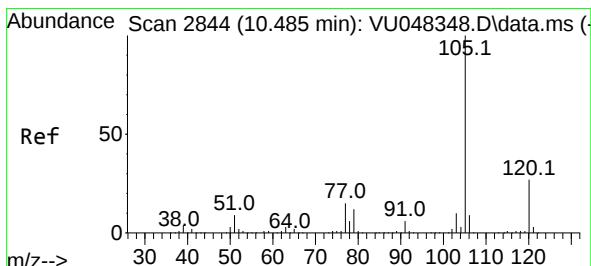
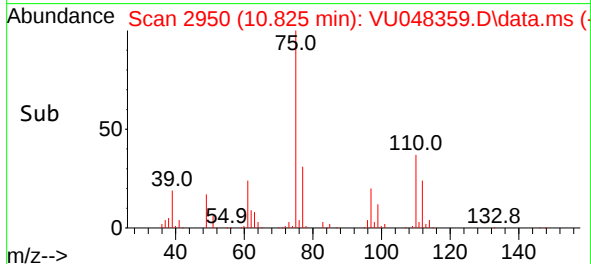
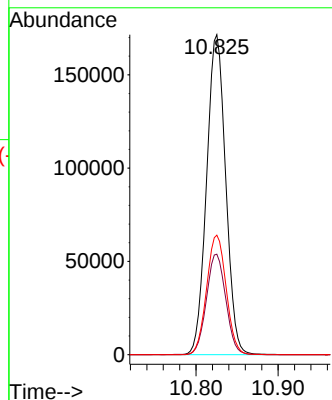
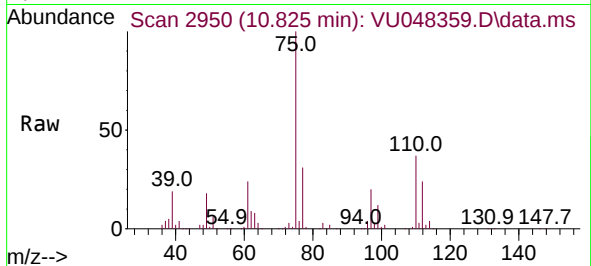




#60
1,2,3-Trichloropropane
Concen: 45.110 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

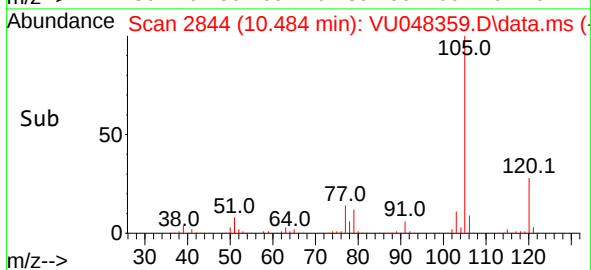
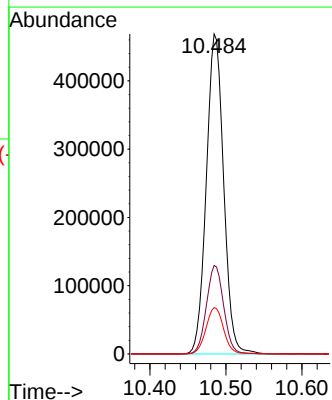
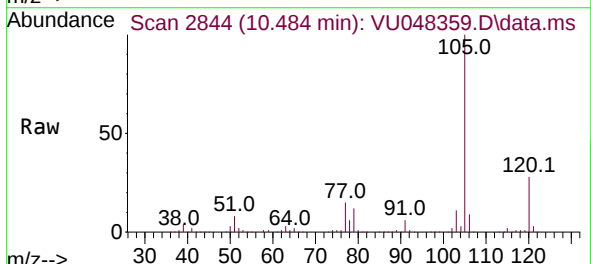
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

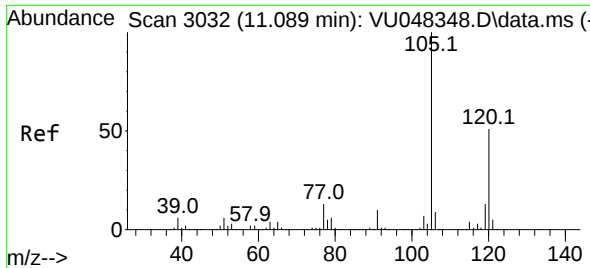
Tgt Ion: 75 Resp: 277945
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 38.3 29.9 44.9



#61
Isopropylbenzene
Concen: 50.154 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 105 Resp: 740653
Ion Ratio Lower Upper
105 100
120 27.6 21.7 32.5
77 14.9 11.7 17.5

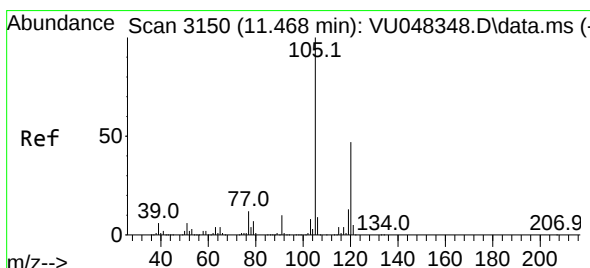
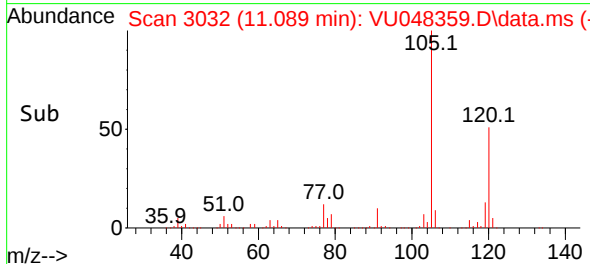
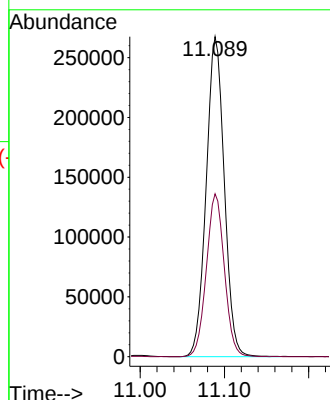
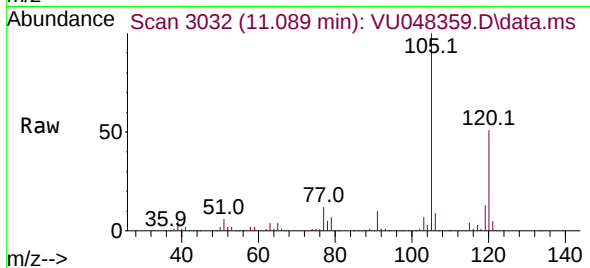




#62
1,3,5-Trimethylbenzene
Concen: 51.373 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

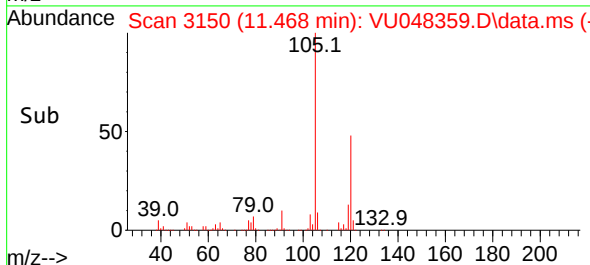
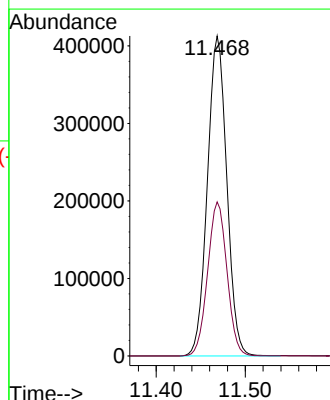
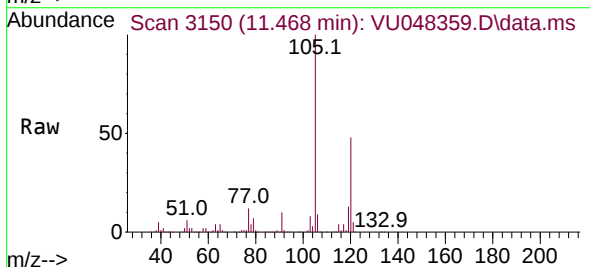
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

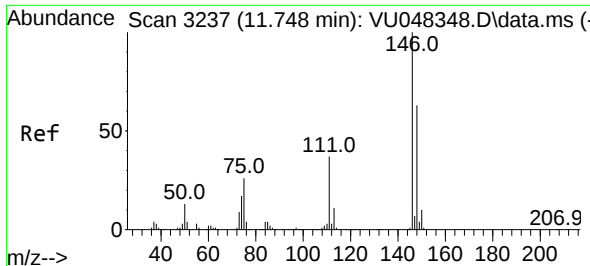
Tgt Ion:105 Resp: 399857
Ion Ratio Lower Upper
105 100
120 50.6 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 52.113 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:105 Resp: 623612
Ion Ratio Lower Upper
105 100
120 48.1 38.0 57.0

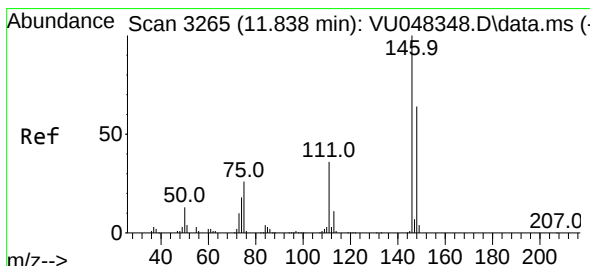
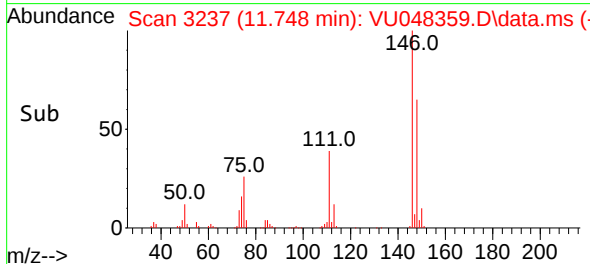
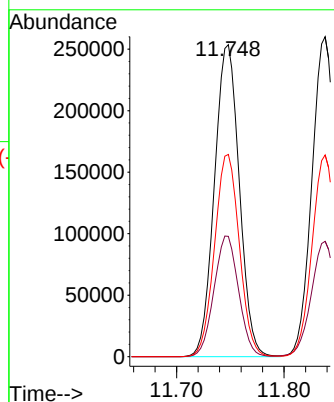
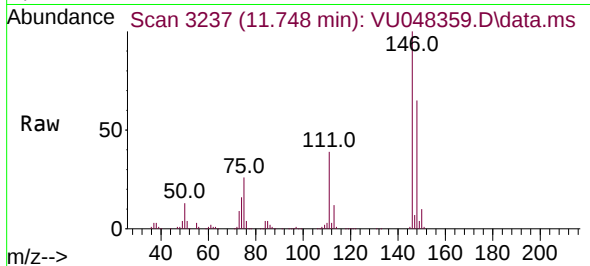




#64
1,3-Dichlorobenzene
Concen: 49.250 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

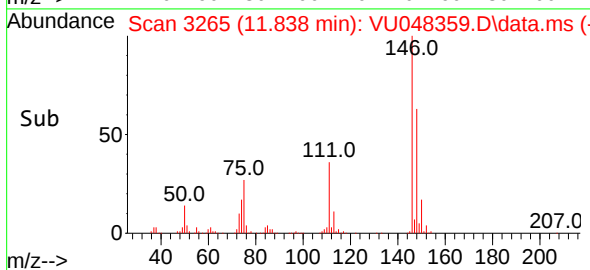
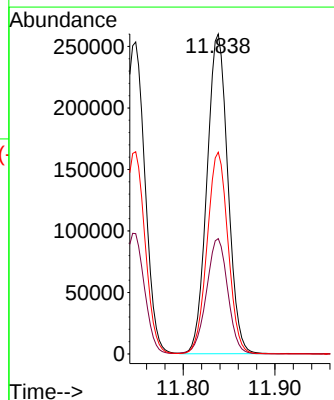
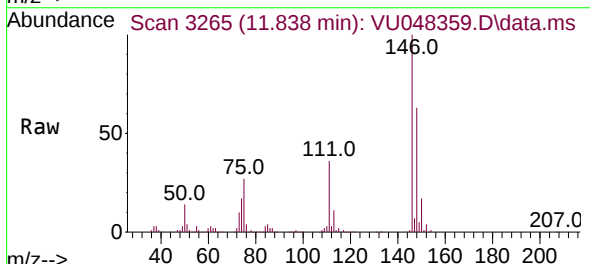
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

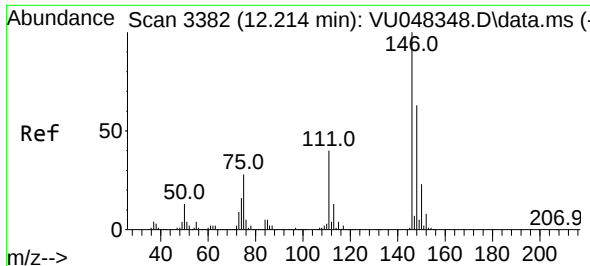
Tgt Ion:146 Resp: 407754
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.7
148 64.8 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 48.698 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion:146 Resp: 411611
Ion Ratio Lower Upper
146 100
111 36.0 25.9 48.1
148 63.1 45.1 83.7

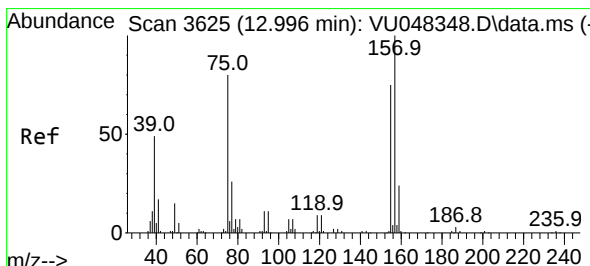
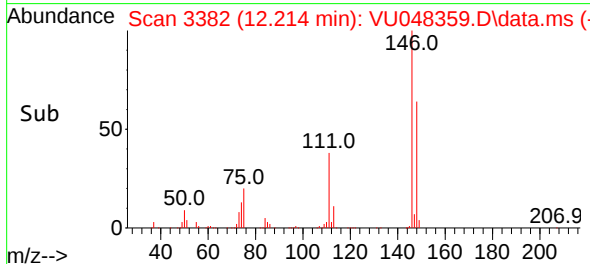
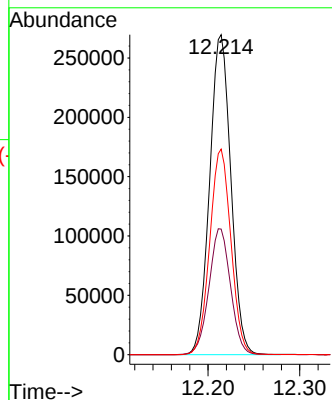
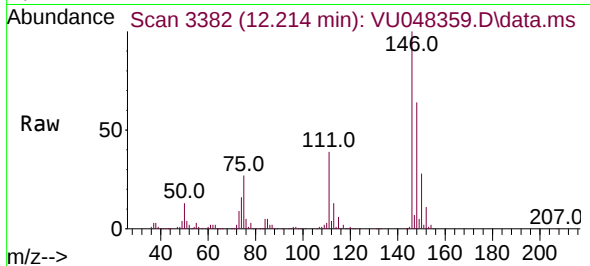




#67
1,2-Dichlorobenzene
Concen: 49.615 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

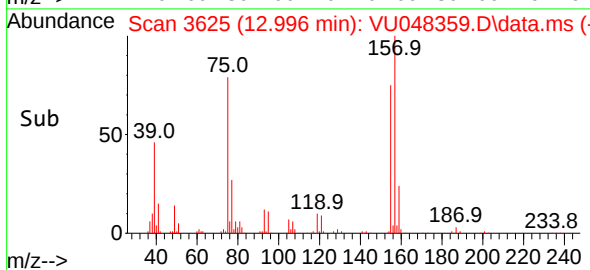
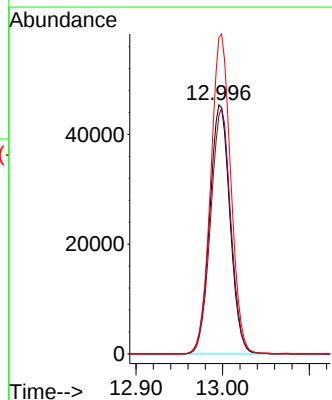
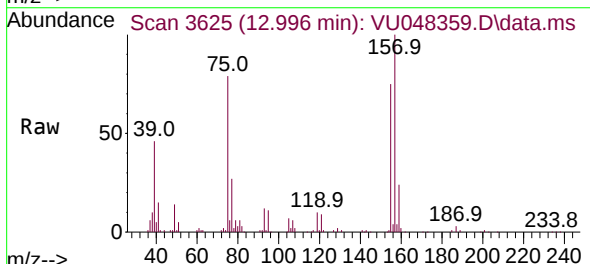
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

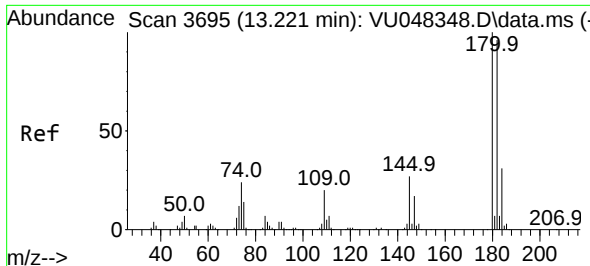
Tgt Ion:146 Resp: 432721
Ion Ratio Lower Upper
146 100
111 39.2 31.7 47.5
148 64.2 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 45.072 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.000 min
Lab File: VU048359.D
Acq: 02 May 2022 10:13

Tgt Ion: 75 Resp: 74135
Ion Ratio Lower Upper
75 100
155 95.7 71.8 107.6
157 127.1 93.4 140.2

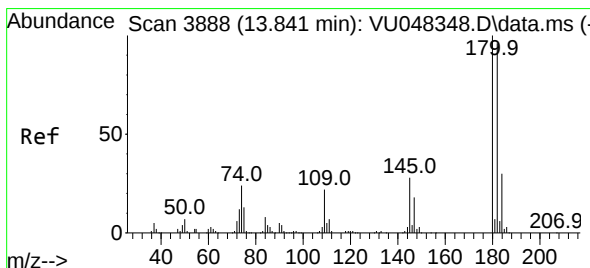
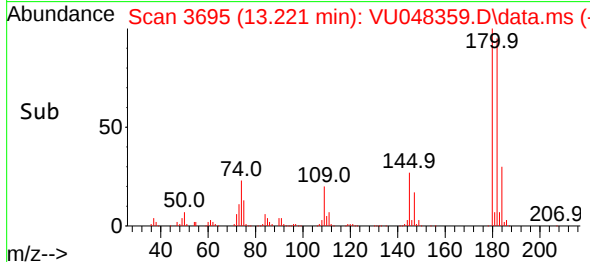
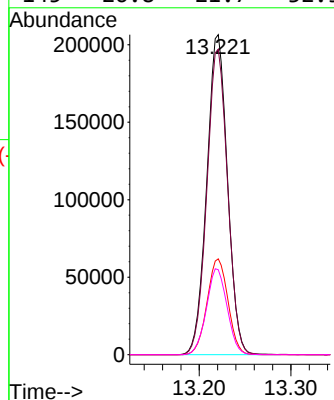
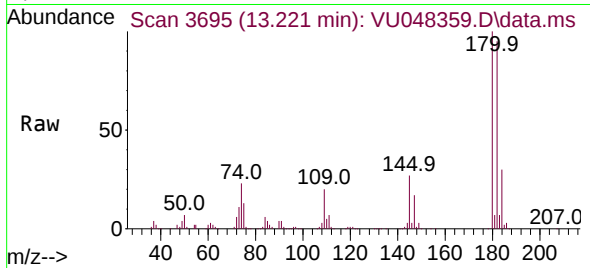




#69
 1,3,5-Trichlorobenzene
 Concen: 52.689 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

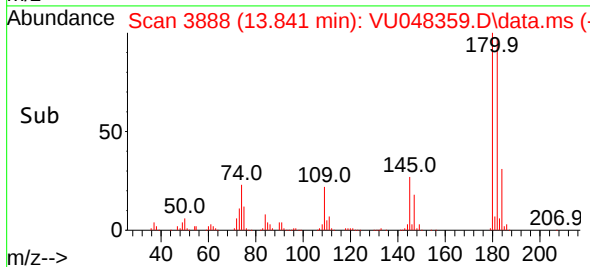
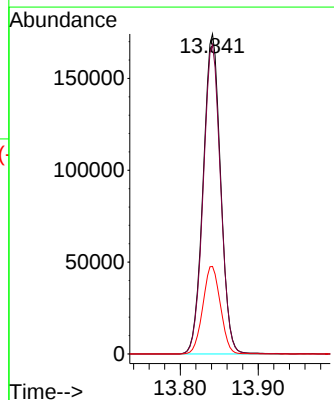
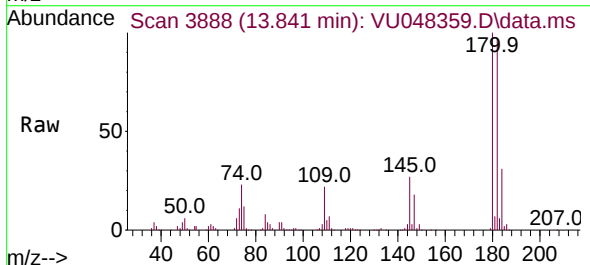
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

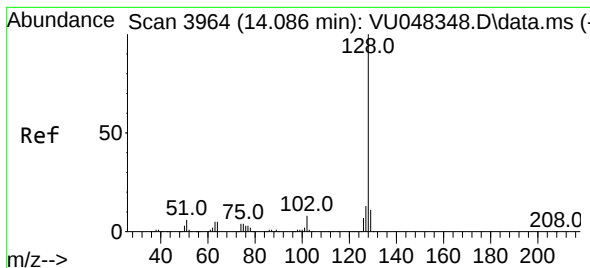
Tgt Ion:	180	Resp:	324147
Ion Ratio	Lower	Upper	
180	100		
182	95.7	77.0	115.4
184	30.3	24.6	37.0
145	26.8	21.7	32.5



#70
 1,2,4-trichlorobenzene
 Concen: 55.712 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048359.D
 Acq: 02 May 2022 10:13

Tgt Ion:	180	Resp:	270774
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.3	114.5
145	27.6	22.6	33.8





#71

Naphthalene

Concen: 59.756 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

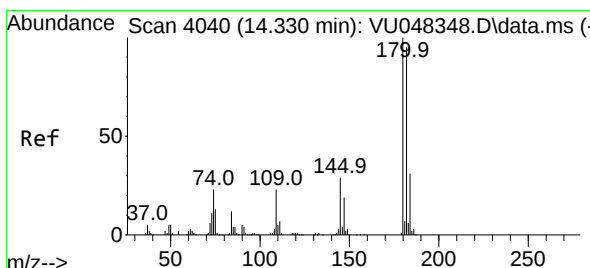
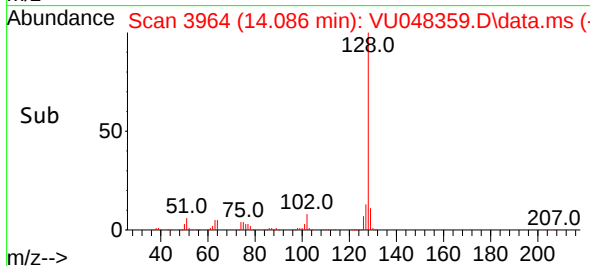
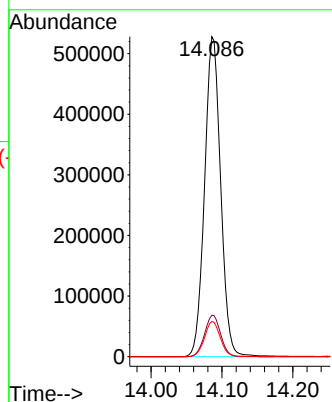
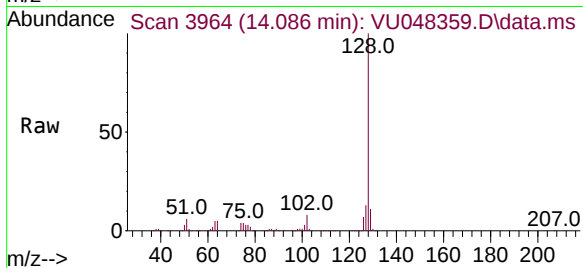
Tgt Ion:128 Resp: 831161

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 56.755 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU048359.D

Acq: 02 May 2022 10:13

Tgt Ion:180 Resp: 282695

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 29.7 23.5 35.3

