

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042922\
 Data File : VU048357.D
 Acq On : 29 Apr 2022 15:58
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

Quant Time: Apr 30 04:41:14 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	391733	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	405706	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	242651	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	130638	36.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.540%
7) Chloroethane-d5	1.890	69	114035	45.099	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.565	63	240263	41.627	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.260%
21) 2-Butanone-d5	4.620	46	267864	87.184	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.180%
24) Chloroform-d	5.063	84	296407	45.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.720%
26) 1,2-Dichloroethane-d4	5.703	65	182184	46.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
32) Benzene-d6	5.729	84	606404	47.392	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.780%
36) 1,2-Dichloropropane-d6	6.690	67	194853	46.062	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.120%
41) Toluene-d8	7.899	98	568489	49.015	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.040%
43) trans-1,3-Dichloroprop...	8.179	79	89834	48.127	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.260%
47) 2-Hexanone-d5	8.635	63	217284	95.204	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.200%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	352683	47.538	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.080%
66) 1,2-Dichlorobenzene-d4	12.195	152	264557	48.467	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	131869	44.550	ug/L	100
3) Chloromethane	1.520	50	133731	39.472	ug/L	100
5) Vinyl chloride	1.607	62	151689	44.430	ug/L	97
6) Bromomethane	1.832	94	61558	39.232	ug/L	98
8) Chloroethane	1.916	64	95368	49.402	ug/L	99
9) Trichlorofluoromethane	2.128	101	220306	49.514	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	144157	48.851	ug/L	100
12) 1,1-Dichloroethene	2.578	96	120869	46.923	ug/L	94
13) Acetone	2.623	43	202229	102.528	ug/L	99
14) Carbon disulfide	2.790	76	254986	40.616	ug/L	99
15) Methyl Acetate	2.944	43	176478	45.073	ug/L	98
16) Methylene chloride	3.044	84	163282	49.168	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	130035	48.594	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	476120	53.926	ug/L	98
19) 1,1-Dichloroethane	3.867	63	271098	48.447	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	165066	51.174	ug/L	97
22) 2-Butanone	4.700	43	279302	95.760	ug/L	96
23) Bromochloromethane	4.976	128	91017	50.541	ug/L	96
25) Chloroform	5.089	83	293326	51.334	ug/L	100

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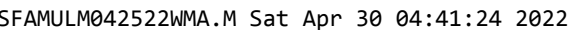
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

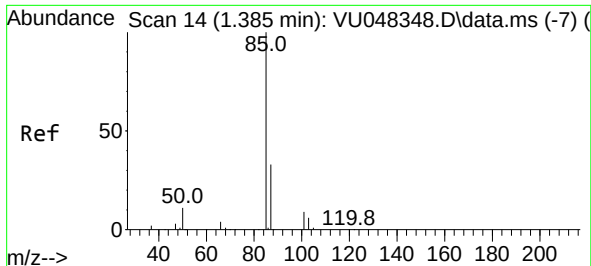
Quant Time: Apr 30 04:41:14 2022
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 Quant Title : VOC Analysis
 QLast Update : Sat Apr 30 04:38:24 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	211431	50.728	ug/L	98
29) Cyclohexane	5.388	56	190077	49.586	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	237315	51.726	ug/L	99
31) Carbon tetrachloride	5.526	117	199199	50.942	ug/L	99
33) Benzene	5.774	78	614156	51.129	ug/L	100
34) Trichloroethene	6.542	95	152401	51.763	ug/L	99
35) Methylcyclohexane	6.764	83	215813	52.210	ug/L	98
37) 1,2-Dichloropropane	6.793	63	173469	50.758	ug/L	100
38) Bromodichloromethane	7.108	83	218464	50.618	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	252781	52.600	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	529609	102.745	ug/L	99
42) Toluene	7.970	91	671204	53.223	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	245199	52.228	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	182161	50.803	ug/L	100
46) Tetrachloroethene	8.555	164	130673	51.714	ug/L	99
48) 2-Hexanone	8.687	43	441478	102.564	ug/L	99
49) Dibromochloromethane	8.812	129	198061	50.268	ug/L	99
50) 1,2-Dibromoethane	8.925	107	186596	51.317	ug/L	96
51) Chlorobenzene	9.449	112	473067	52.041	ug/L	99
52) Ethylbenzene	9.571	91	719133	55.061	ug/L	99
53) m,p-Xylene	9.697	106	288939	56.061	ug/L	100
54) o-Xylene	10.102	106	301207	58.012	ug/L	98
55) Styrene	10.118	104	514779	58.199	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	367715	51.961	ug/L	100
59) Bromoform	10.295	173	169730	48.198	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	278373	49.176	ug/L	99
61) Isopropylbenzene	10.488	105	770582	56.797	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	415889	58.159	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	653567	59.447	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	410179	53.926	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	406698	52.374	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	422815	52.767	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	70681	46.773	ug/L	93
69) 1,3,5-Trichlorobenzene	13.220	180	310190	54.880	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	248579	55.669	ug/L	99
71) Naphthalene	14.089	128	720257	56.364	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	253660	55.431	ug/L	99

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

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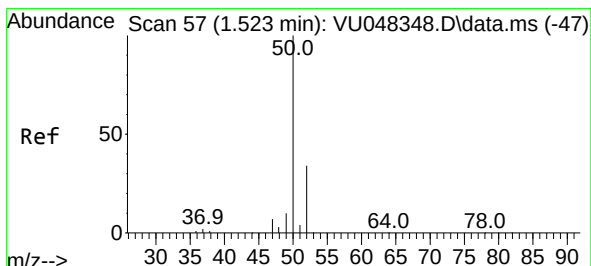
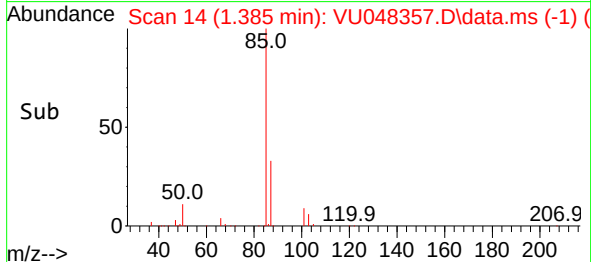
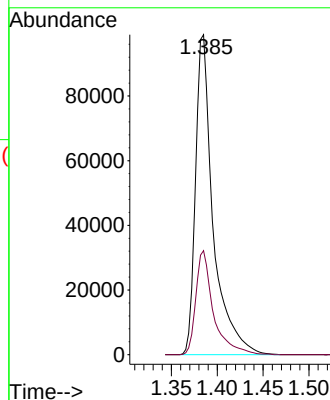
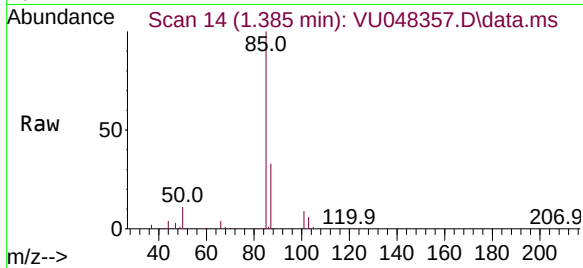




#2
Dichlorodifluoromethane
Concen: 44.550 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

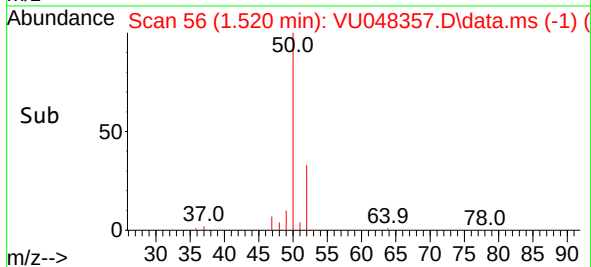
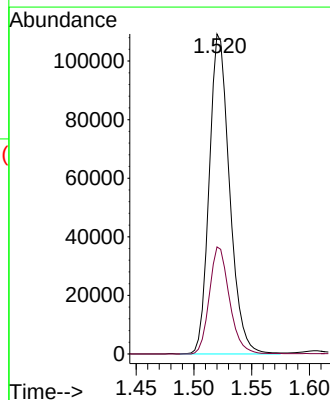
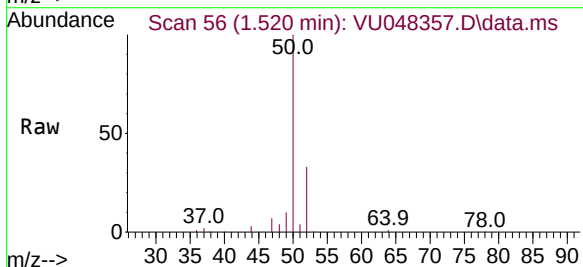
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

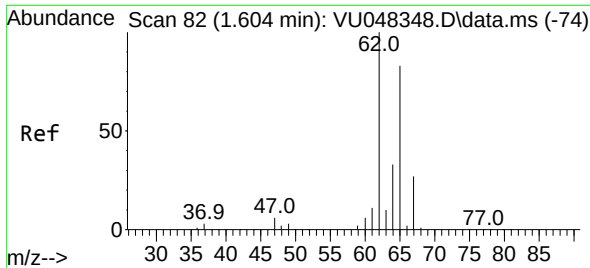
Tgt Ion: 85 Resp: 131869
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 39.472 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 50 Resp: 133731
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2

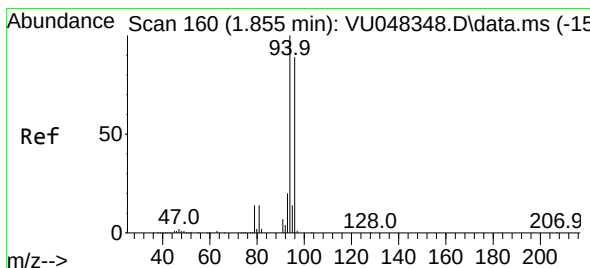
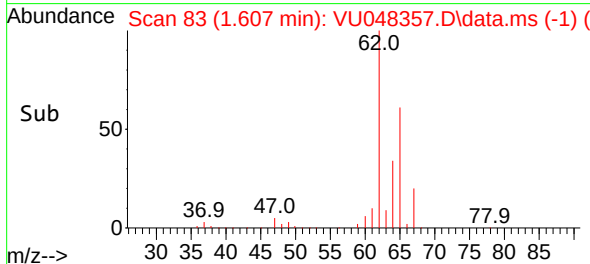
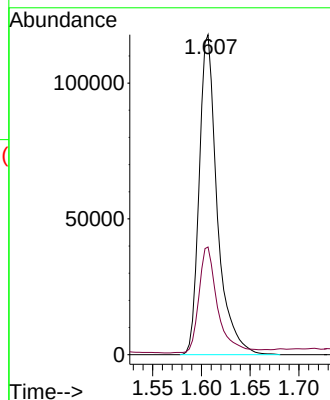
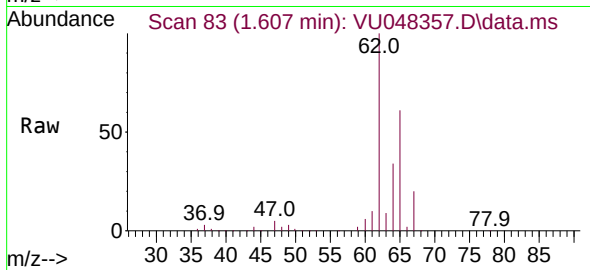




#5
 Vinyl chloride
 Concen: 44.430 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

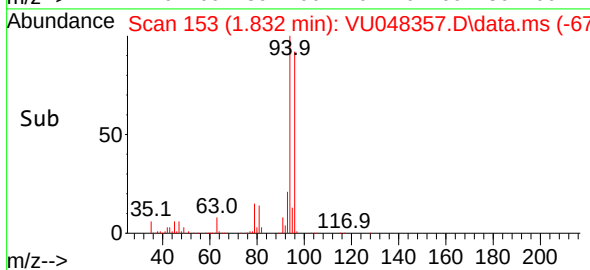
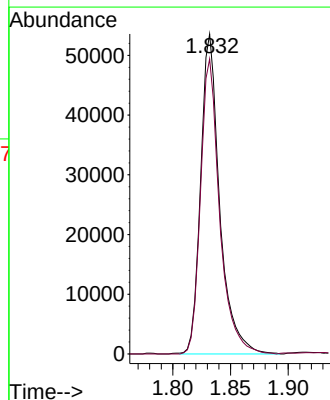
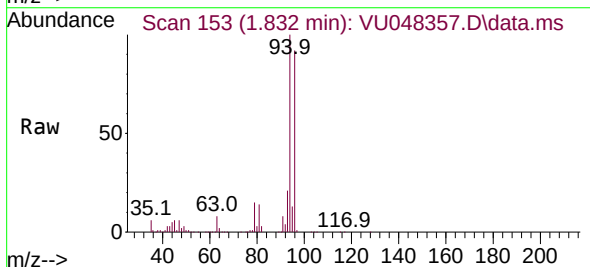
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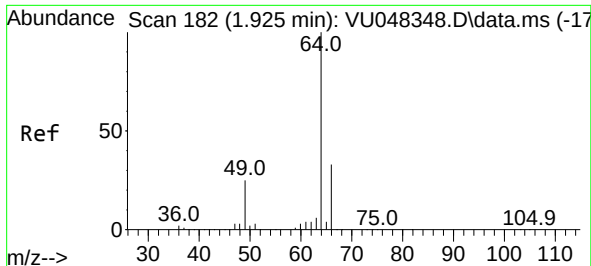
Tgt Ion: 62 Resp: 151689
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.5 41.7



#6
 Bromomethane
 Concen: 39.232 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.023 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

Tgt Ion: 94 Resp: 61558
 Ion Ratio Lower Upper
 94 100
 96 92.2 65.8 122.2

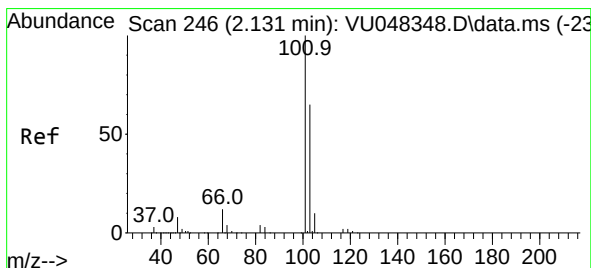
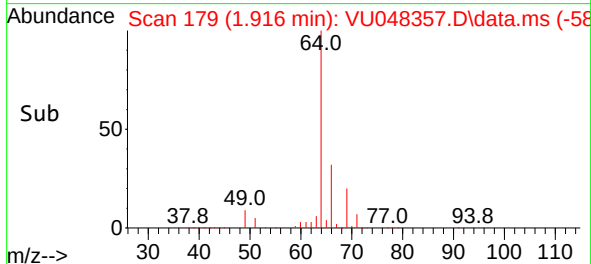
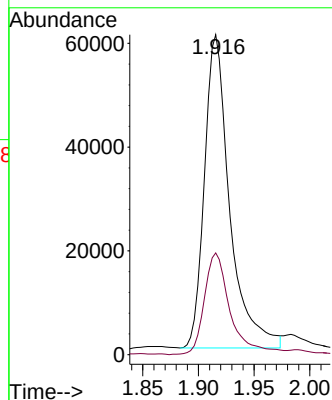
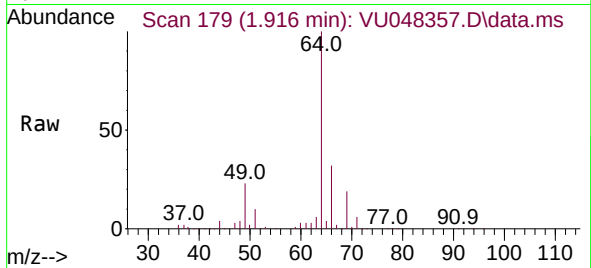




#8
Chloroethane
Concen: 49.402 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

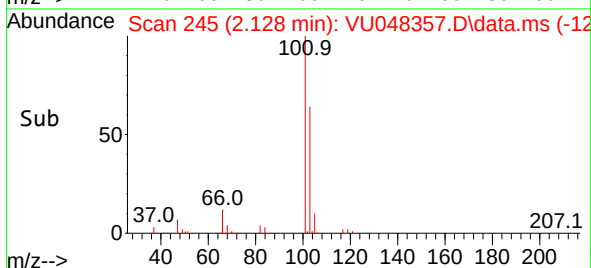
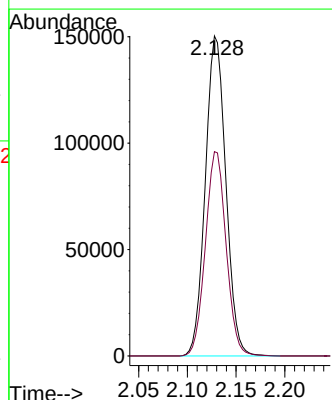
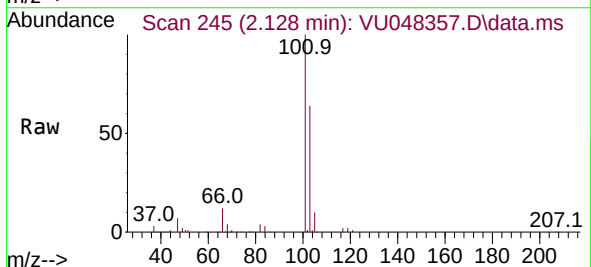
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ClientSampleId :
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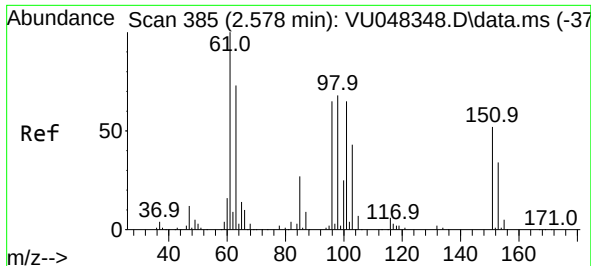
Tgt Ion: 64 Resp: 95368
Ion Ratio Lower Upper
64 100
66 31.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 49.514 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion:101 Resp: 220306
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9

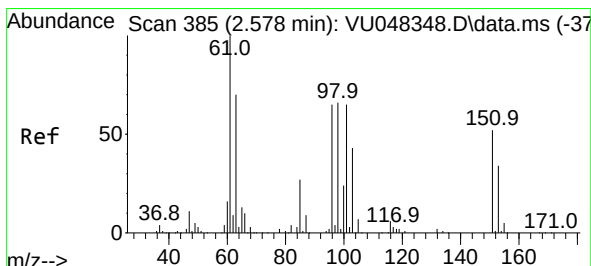
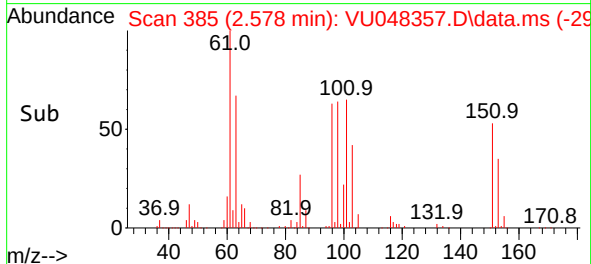
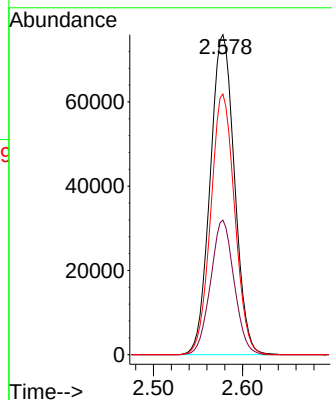
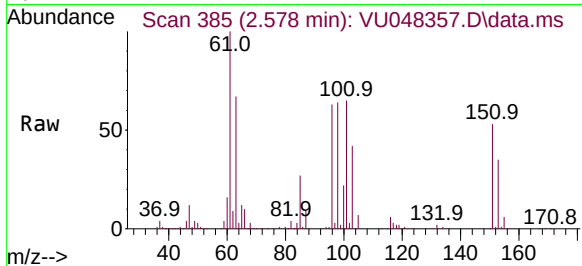




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.851 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

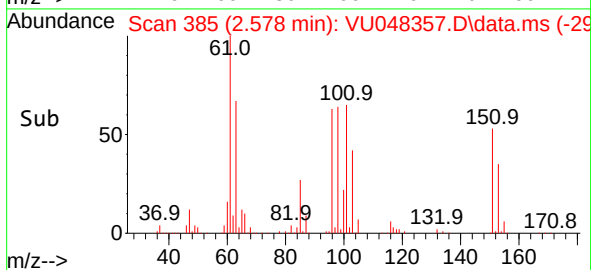
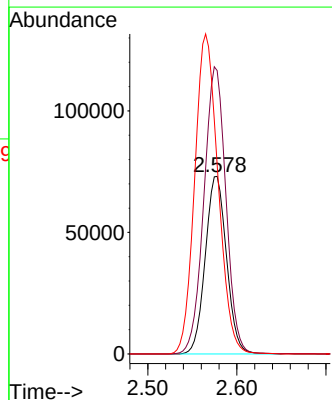
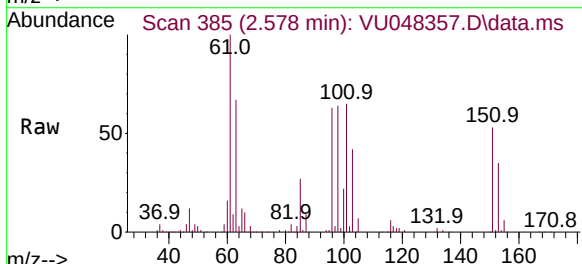
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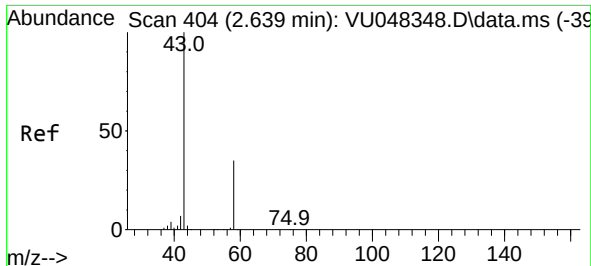
Tgt Ion:101 Resp: 144157
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.6 48.8
 151 80.3 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 46.923 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

Tgt Ion: 96 Resp: 120869
 Ion Ratio Lower Upper
 96 100
 61 159.6 107.9 200.3
 63 106.6 80.3 149.1





#13

Acetone

Concen: 102.528 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.016 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

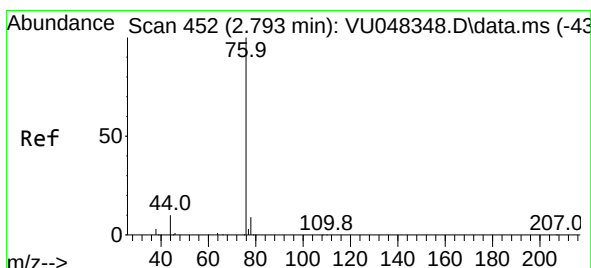
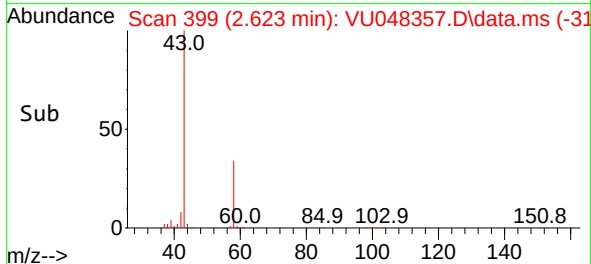
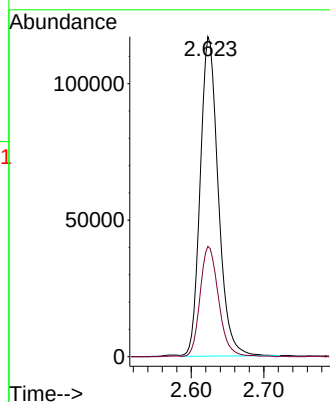
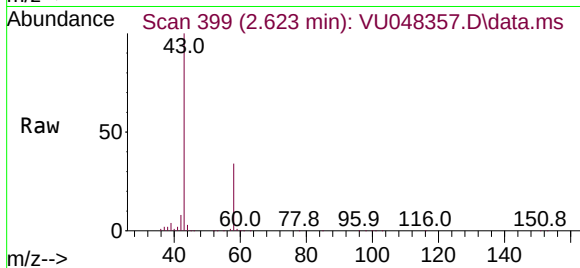
VSTD050108

Tgt Ion: 43 Resp: 202229

Ion Ratio Lower Upper

43 100

58 35.2 0.0 71.2



#14

Carbon disulfide

Concen: 40.616 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048357.D

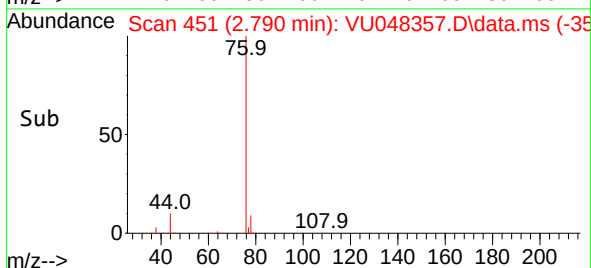
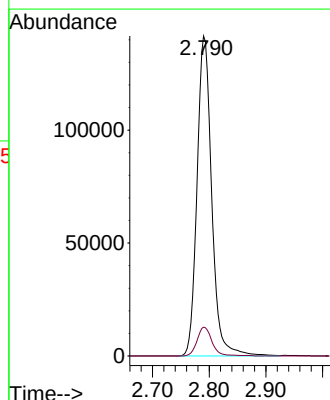
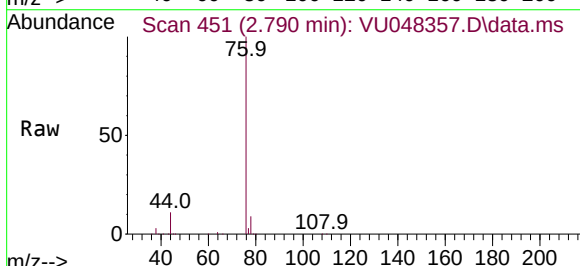
Acq: 29 Apr 2022 15:58

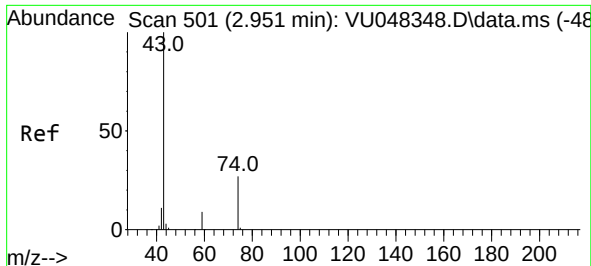
Tgt Ion: 76 Resp: 254986

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

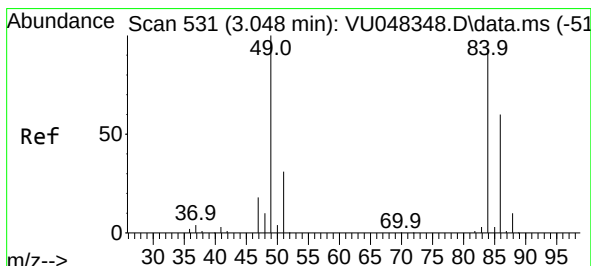
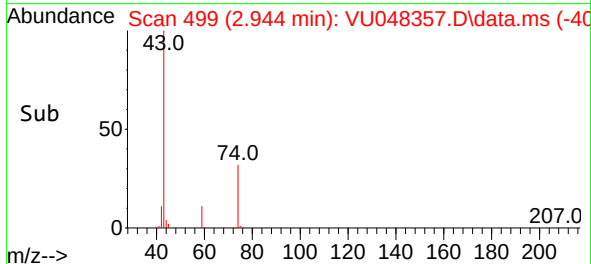
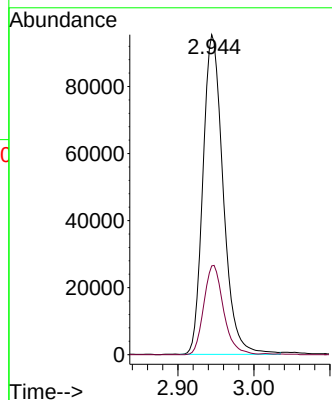
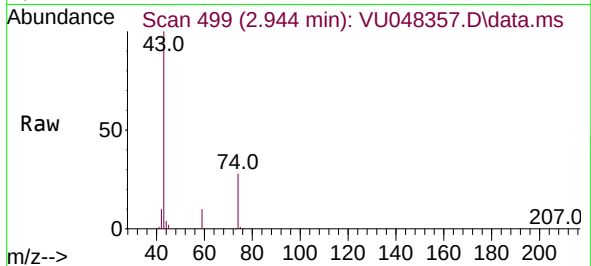




#15
Methyl Acetate
Concen: 45.073 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.007 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

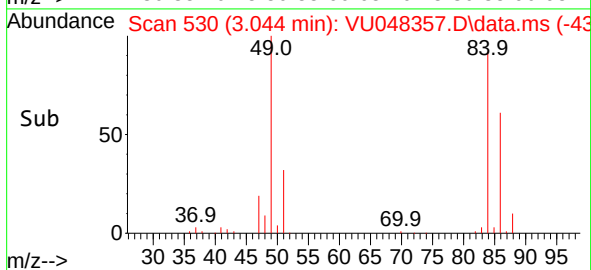
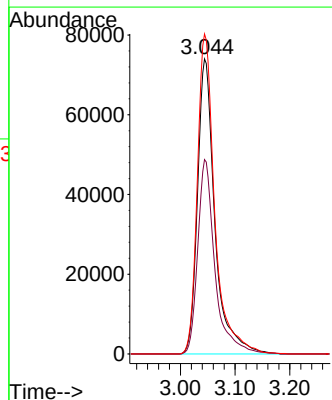
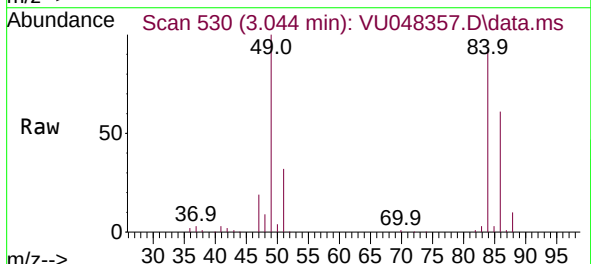
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

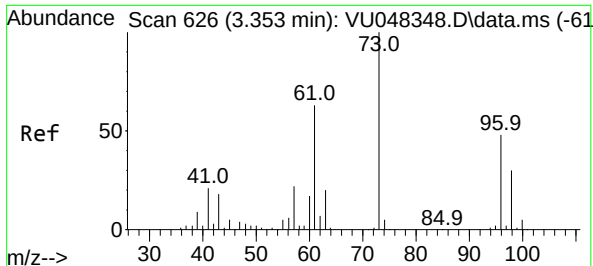
Tgt Ion: 43 Resp: 176478
Ion Ratio Lower Upper
43 100
74 27.2 21.0 31.6



#16
Methylene chloride
Concen: 49.168 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 84 Resp: 163282
Ion Ratio Lower Upper
84 100
86 65.9 45.4 84.2
49 108.4 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 48.594 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

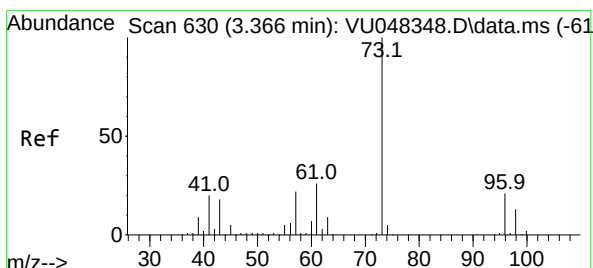
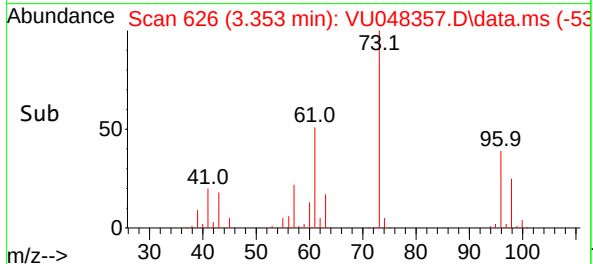
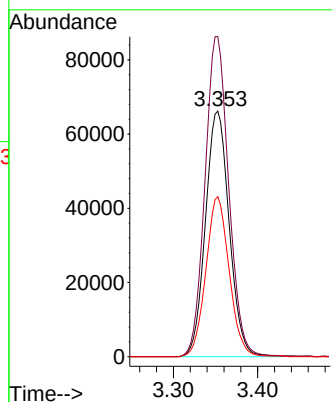
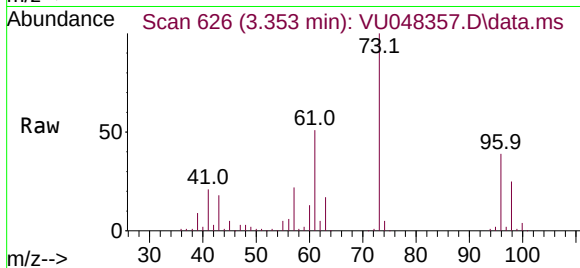
Tgt Ion: 96 Resp: 130035

Ion Ratio Lower Upper

96 100

61 130.2 95.2 176.8

98 65.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 53.926 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

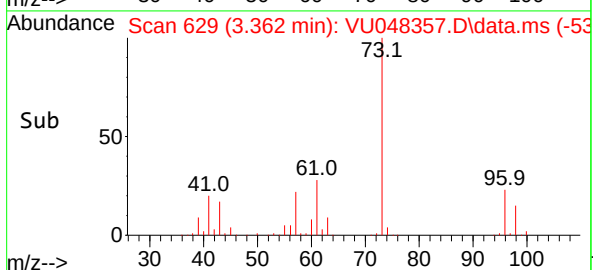
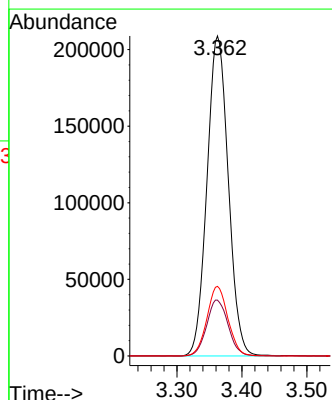
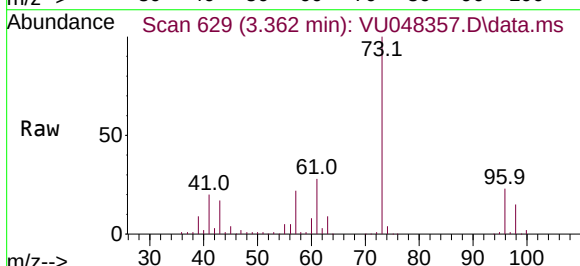
Tgt Ion: 73 Resp: 476120

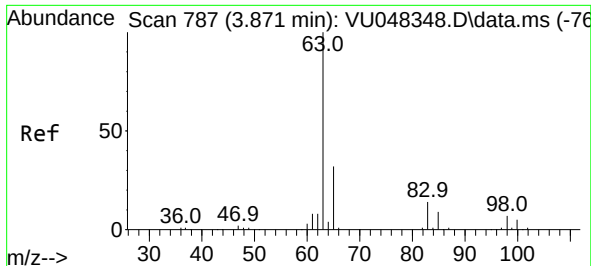
Ion Ratio Lower Upper

73 100

43 17.6 13.8 20.6

57 21.5 17.9 26.9





#19

1,1-Dichloroethane

Concen: 48.447 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

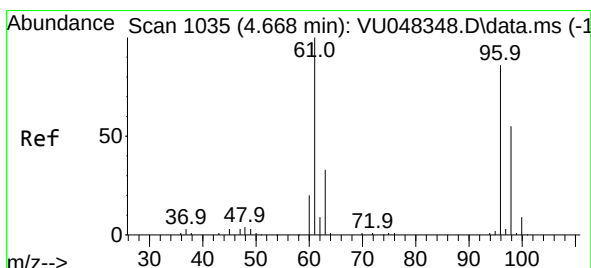
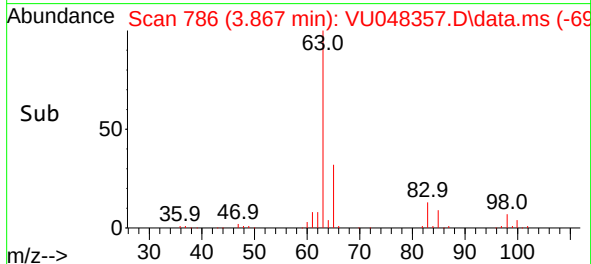
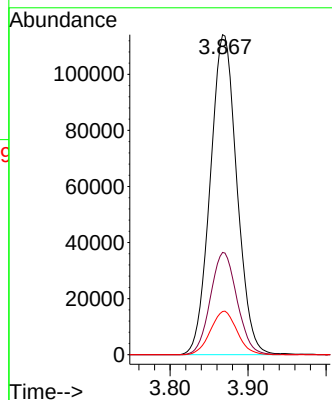
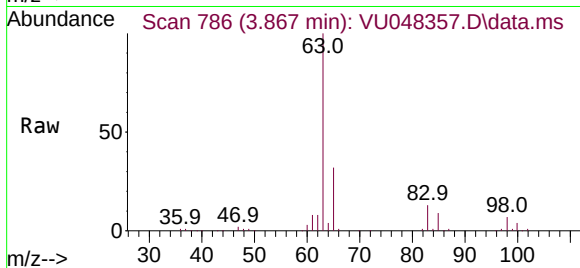
Tgt Ion: 63 Resp: 271098

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.5 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 51.174 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

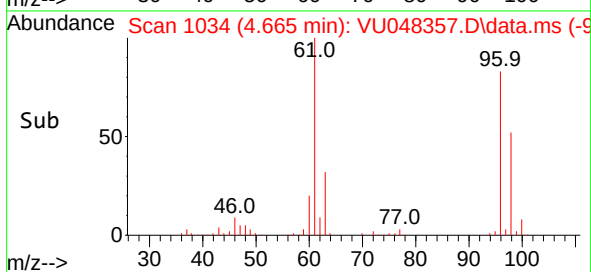
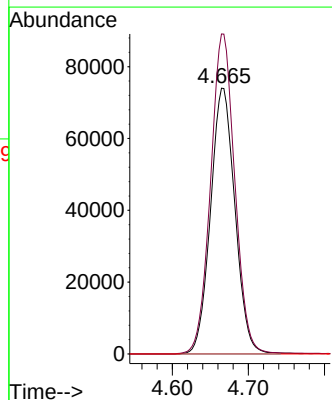
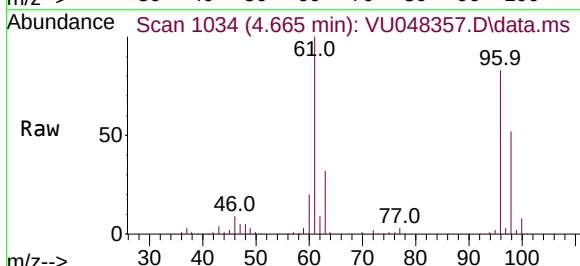
Tgt Ion: 96 Resp: 165066

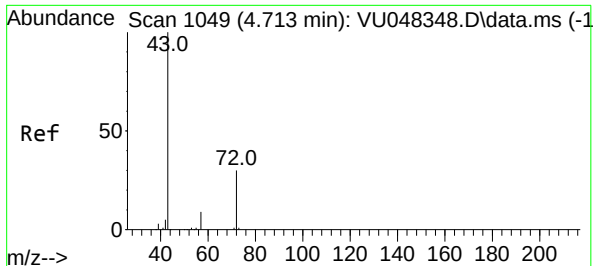
Ion Ratio Lower Upper

96 100

61 120.4 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.760 ug/L

RT: 4.700 min Scan# 1049

Delta R.T. -0.013 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

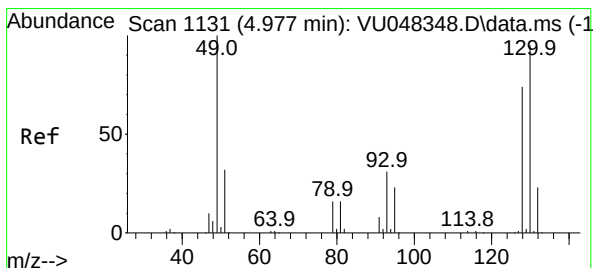
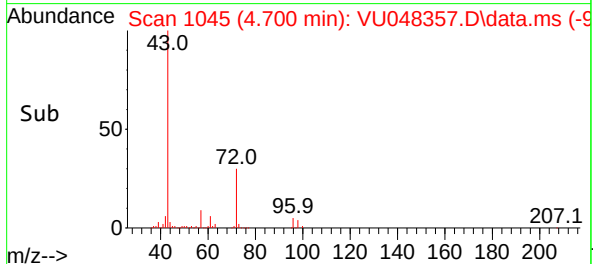
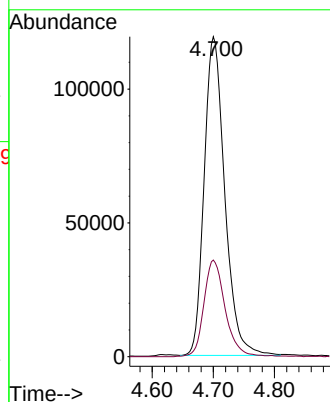
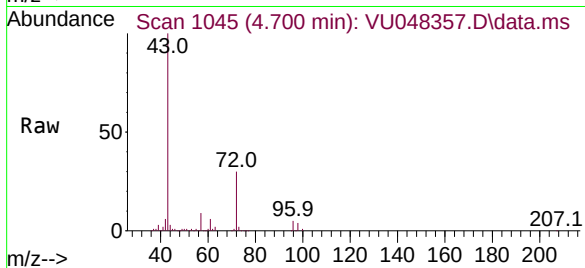
VSTD050108

Tgt Ion: 43 Resp: 279302

Ion Ratio Lower Upper

43 100

72 31.2 14.6 43.8



#23

Bromochloromethane

Concen: 50.541 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Tgt Ion: 128 Resp: 91017

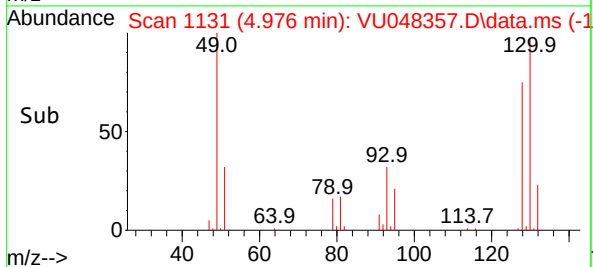
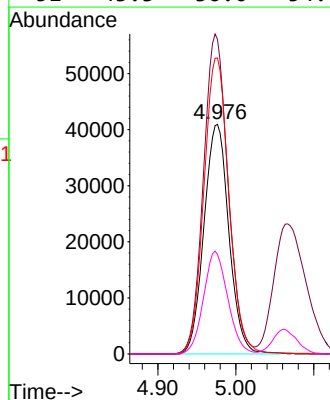
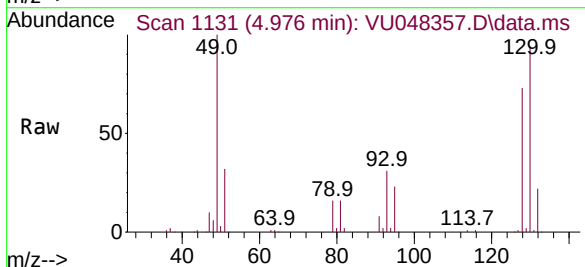
Ion Ratio Lower Upper

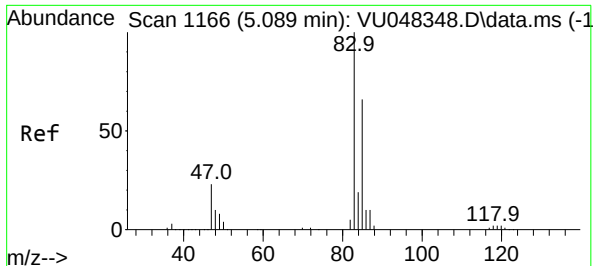
128 100

49 137.1 101.3 188.1

130 128.9 89.0 165.2

51 43.3 36.0 54.0





#25

Chloroform

Concen: 51.334 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

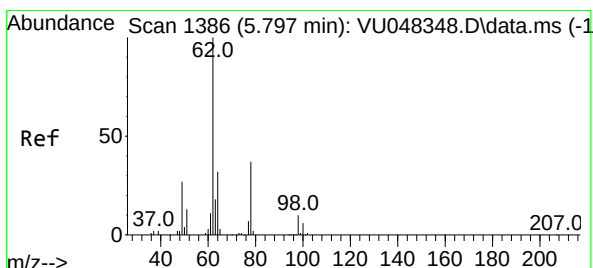
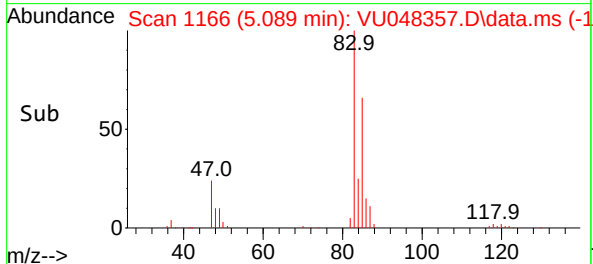
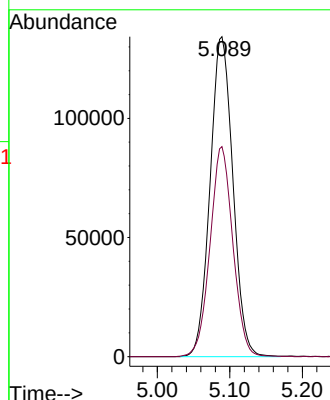
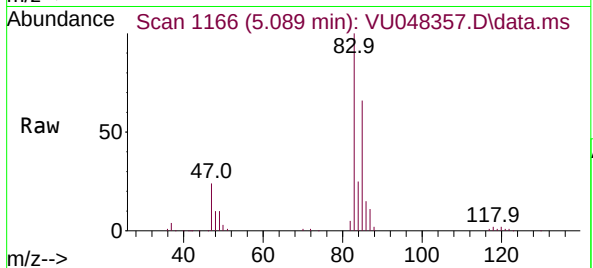
VSTD050108

Tgt Ion: 83 Resp: 293326

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.728 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048357.D

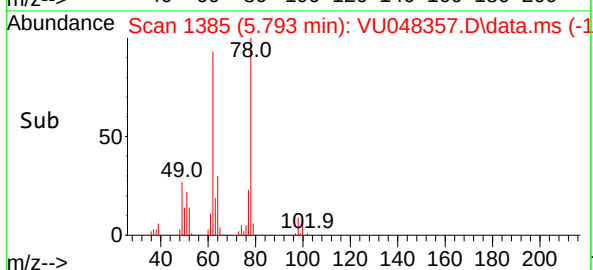
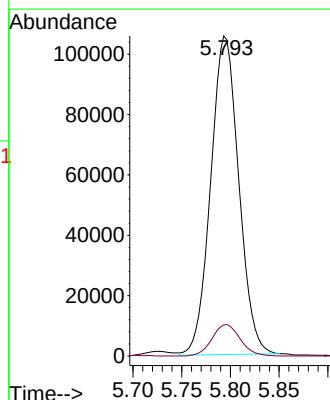
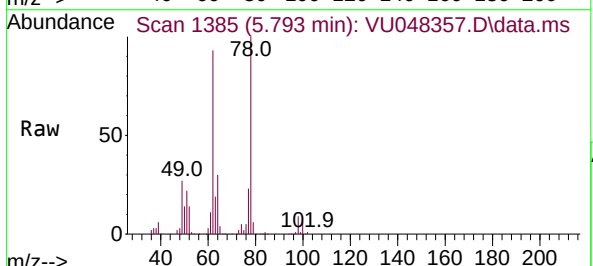
Acq: 29 Apr 2022 15:58

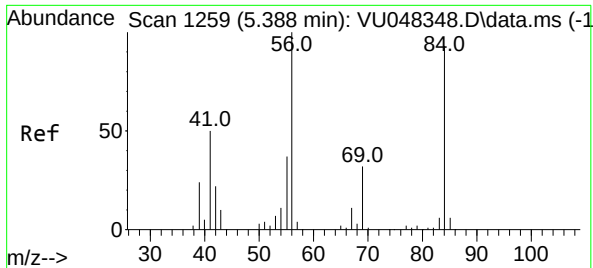
Tgt Ion: 62 Resp: 211431

Ion Ratio Lower Upper

62 100

98 9.7 8.5 12.7





#29

Cyclohexane

Concen: 49.586 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

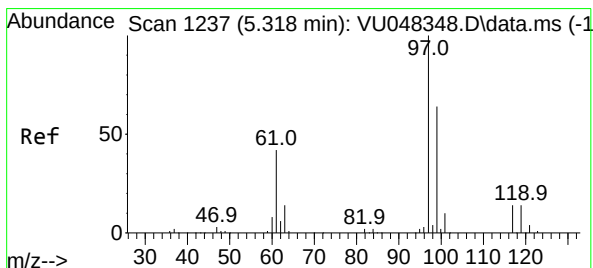
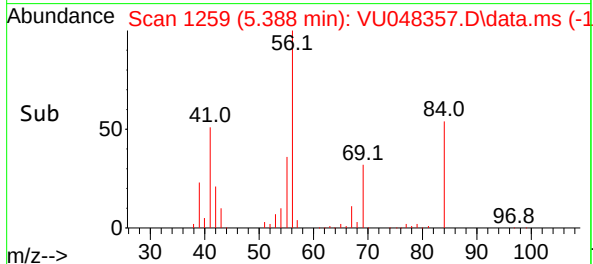
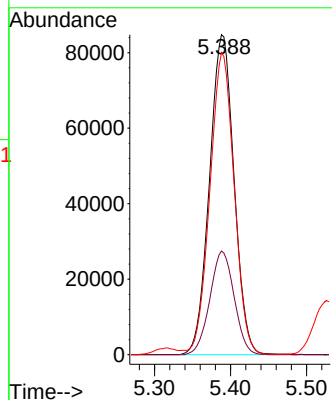
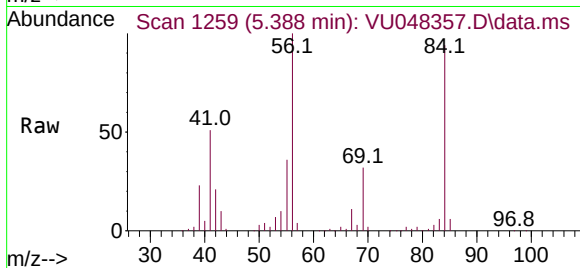
Tgt Ion: 56 Resp: 190077

Ion Ratio Lower Upper

56 100

69 32.0 24.2 36.4

84 92.8 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 51.726 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

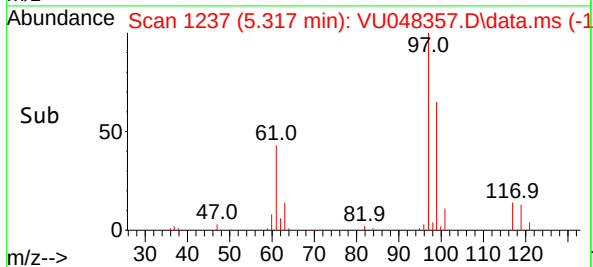
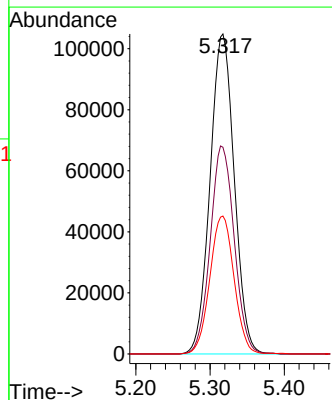
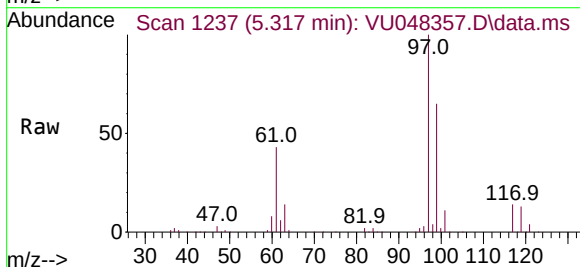
Tgt Ion: 97 Resp: 237315

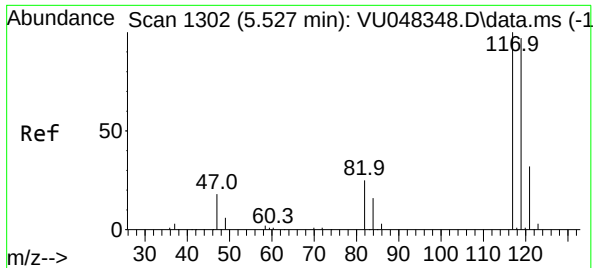
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 43.1 33.9 50.9

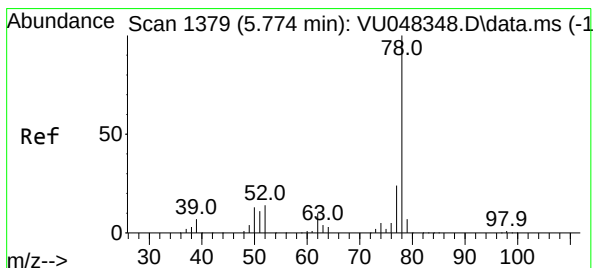
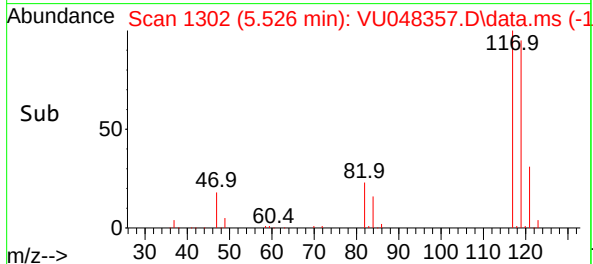
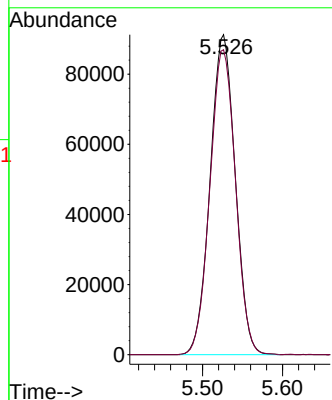
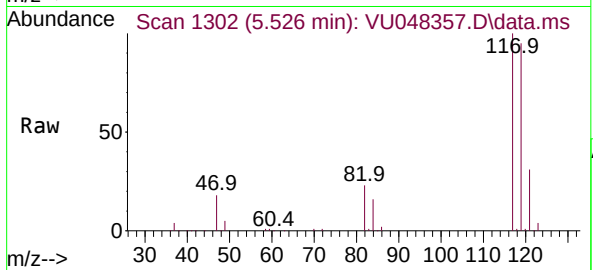




#31
Carbon tetrachloride
Concen: 50.942 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

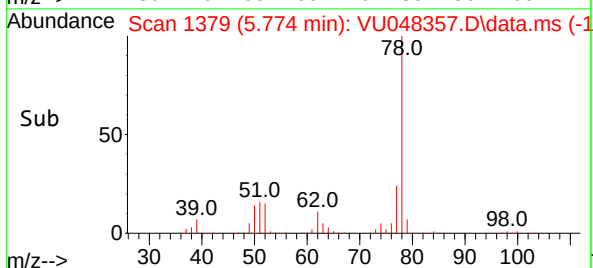
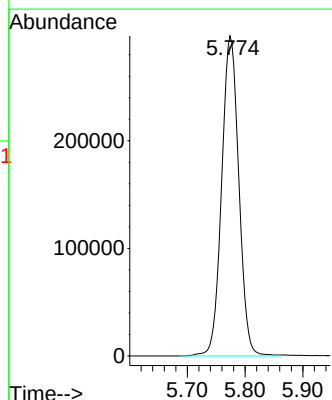
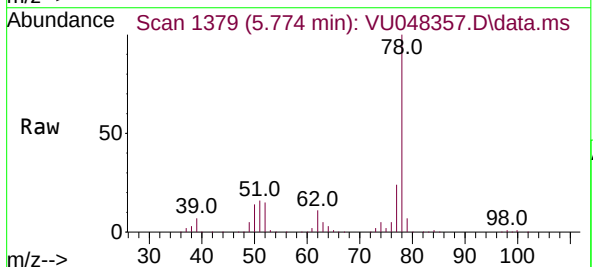
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

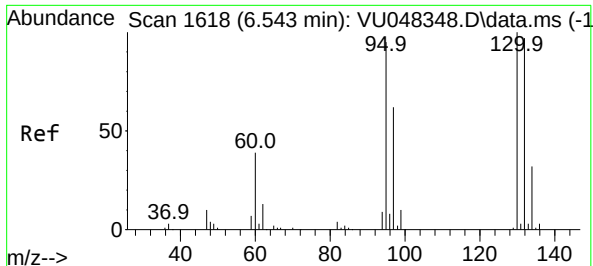
Tgt Ion:117 Resp: 199199
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7



#33
Benzene
Concen: 51.129 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 78 Resp: 614156





#34

Trichloroethene

Concen: 51.763 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

Tgt Ion: 95 Resp: 152401

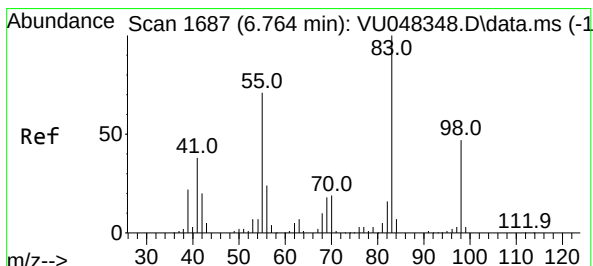
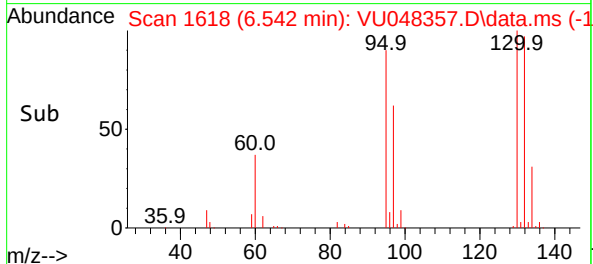
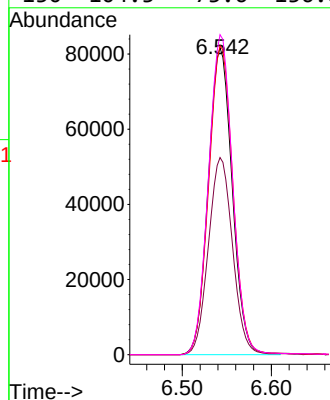
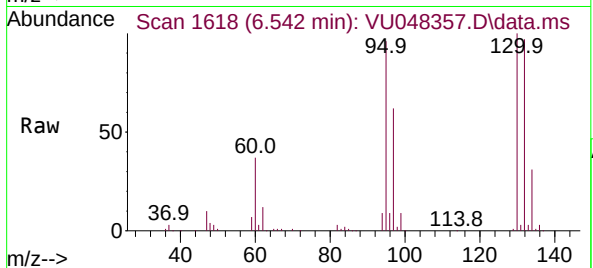
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.2

132 100.7 71.6 133.0

130 104.3 73.6 136.8



#35

Methylcyclohexane

Concen: 52.210 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

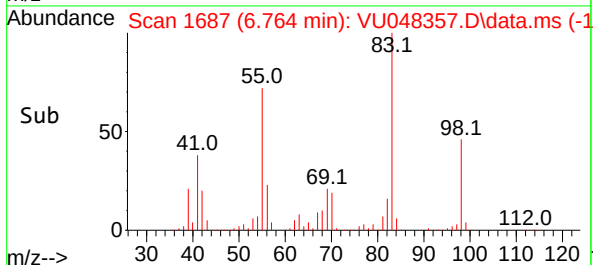
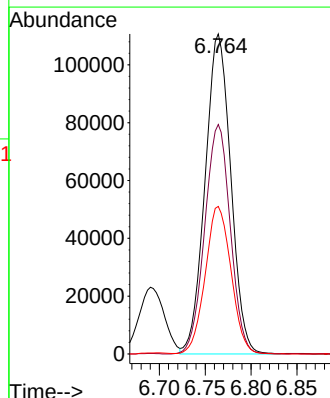
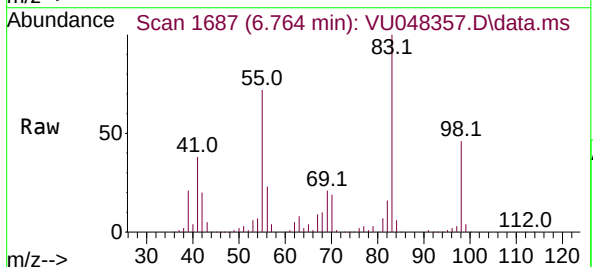
Tgt Ion: 83 Resp: 215813

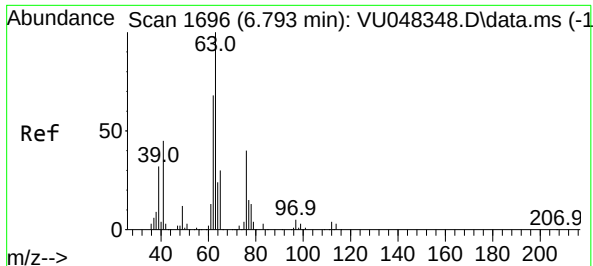
Ion Ratio Lower Upper

83 100

55 71.3 59.4 89.2

98 46.4 37.3 55.9





#37

1,2-Dichloropropane

Concen: 50.758 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

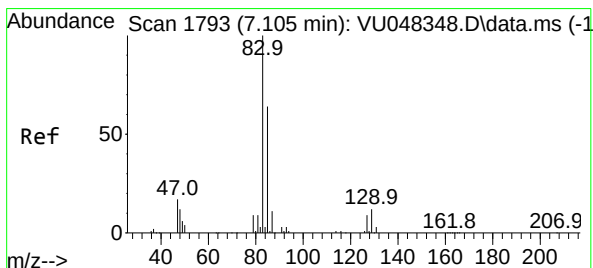
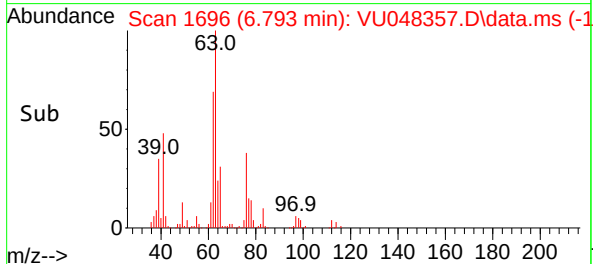
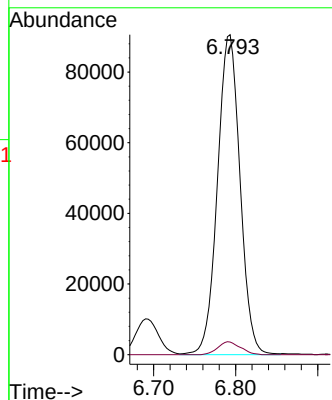
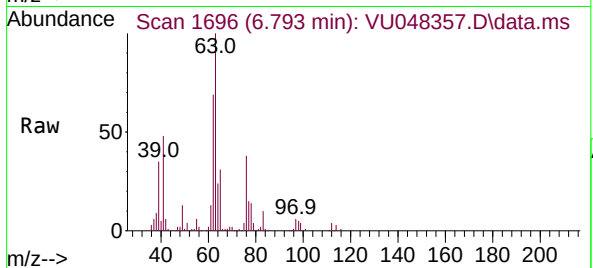
VSTD050108

Tgt Ion: 63 Resp: 173469

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 50.618 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

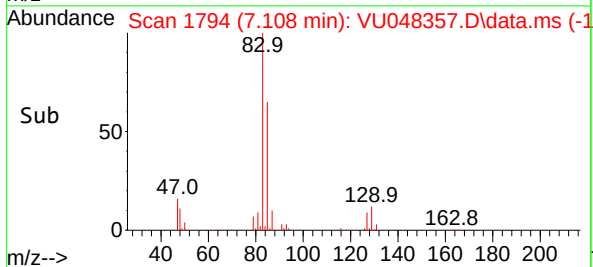
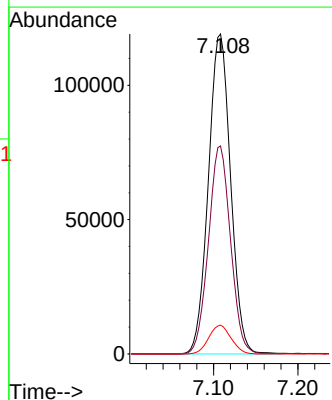
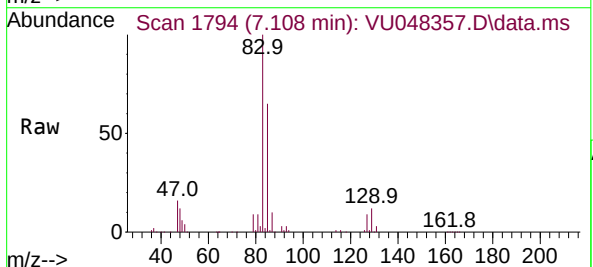
Tgt Ion: 83 Resp: 218464

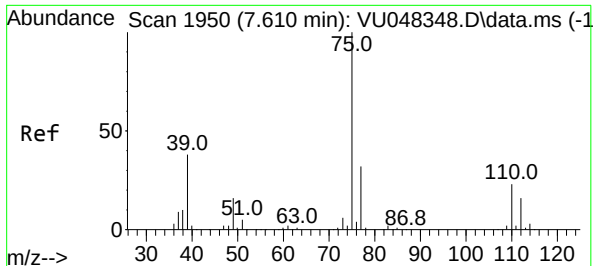
Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 52.600 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

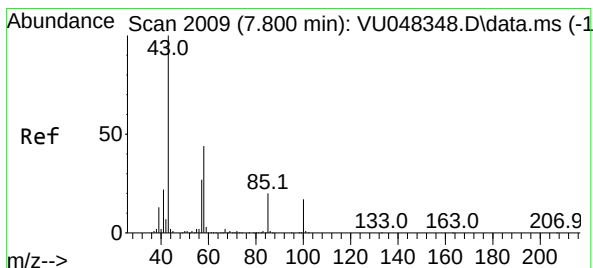
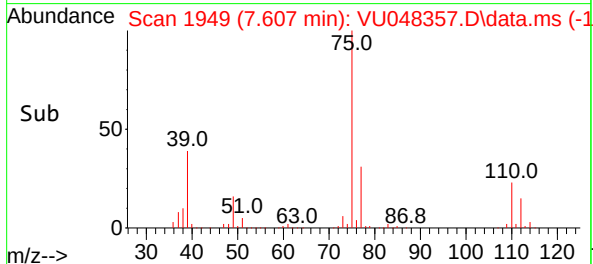
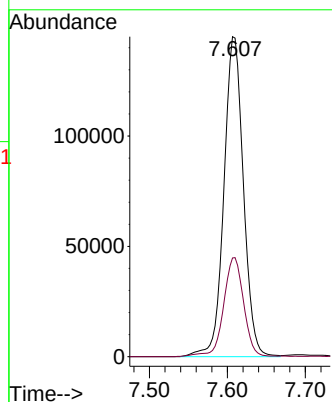
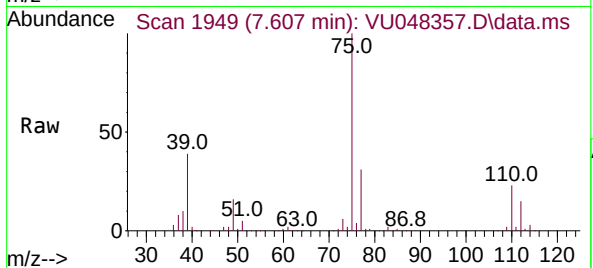
VSTD050108

Tgt Ion: 75 Resp: 252781

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 102.745 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.007 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

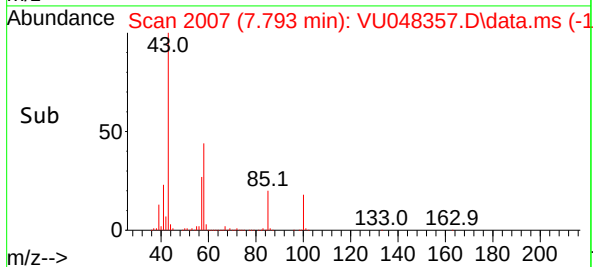
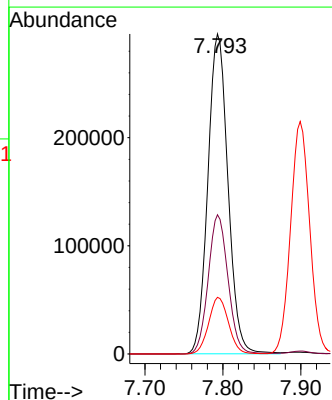
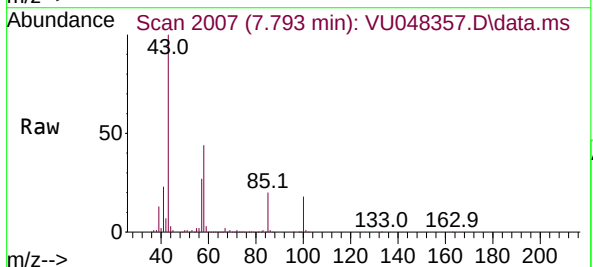
Tgt Ion: 43 Resp: 529609

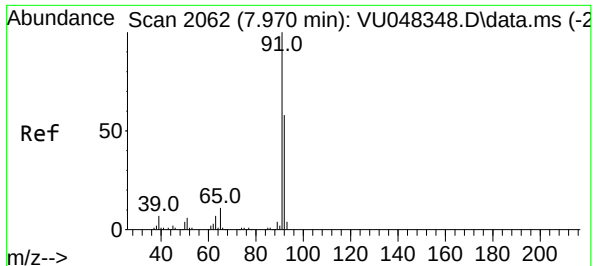
Ion Ratio Lower Upper

43 100

58 42.8 34.4 51.6

100 17.6 13.6 20.4





#42

Toluene

Concen: 53.223 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

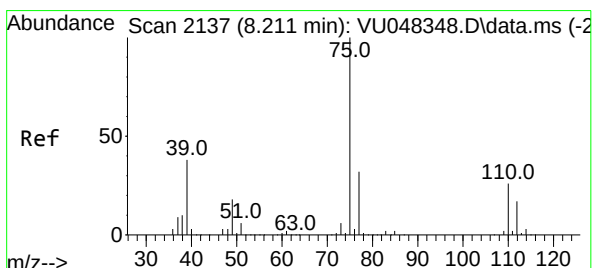
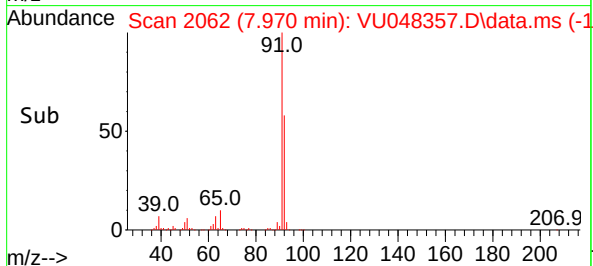
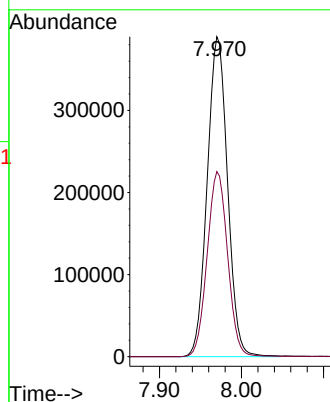
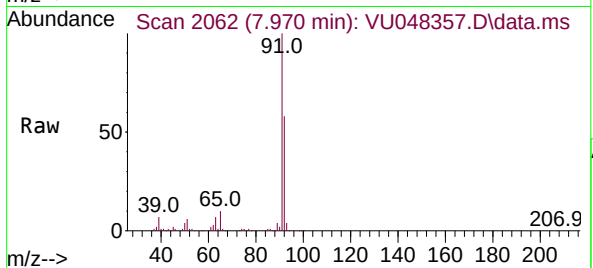
VSTD050108

Tgt Ion: 91 Resp: 671204

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.228 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048357.D

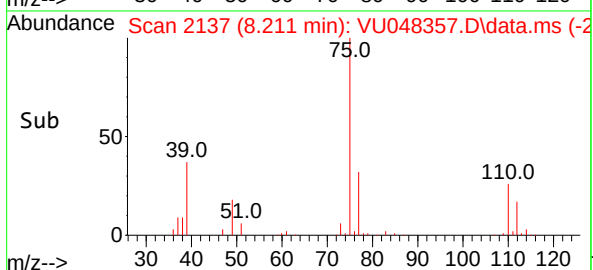
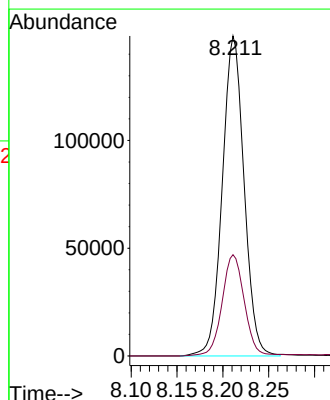
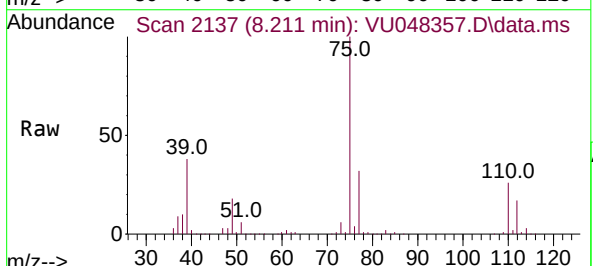
Acq: 29 Apr 2022 15:58

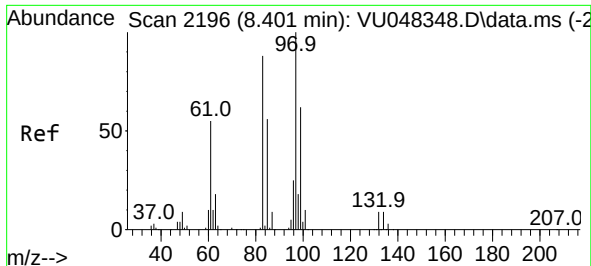
Tgt Ion: 75 Resp: 245199

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

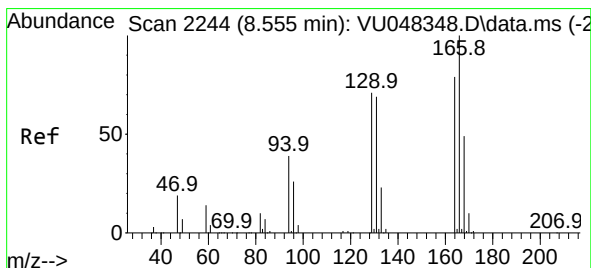
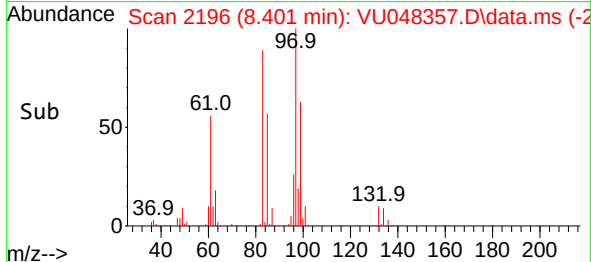
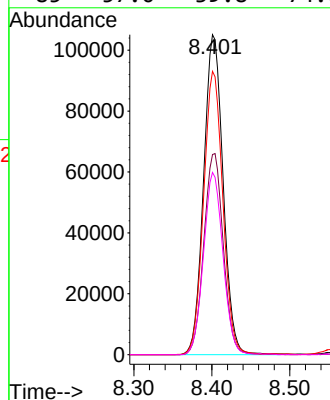
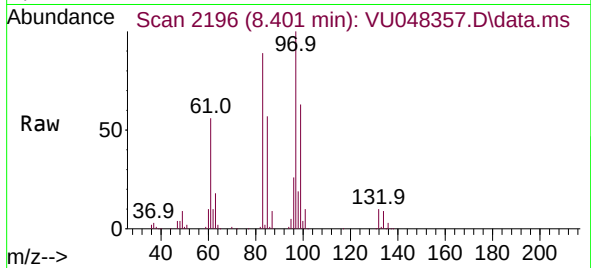




#45
1,1,2-Trichloroethane
Concen: 50.803 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

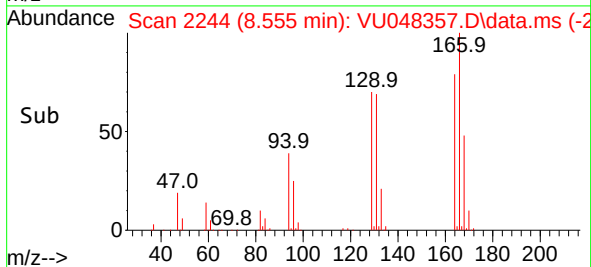
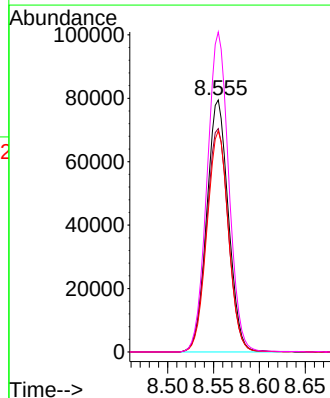
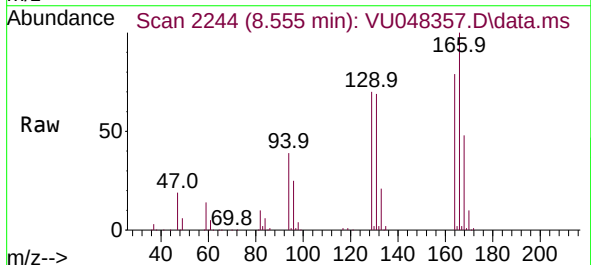
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

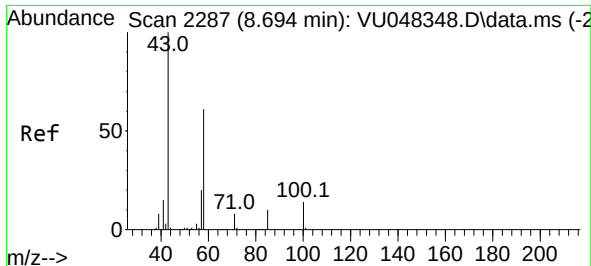
Tgt Ion: 97	Resp: 182161
Ion Ratio	Lower Upper
97 100	
99 62.5	43.7 81.1
83 88.6	62.6 116.2
85 57.0	39.8 74.0



#46
Tetrachloroethene
Concen: 51.714 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

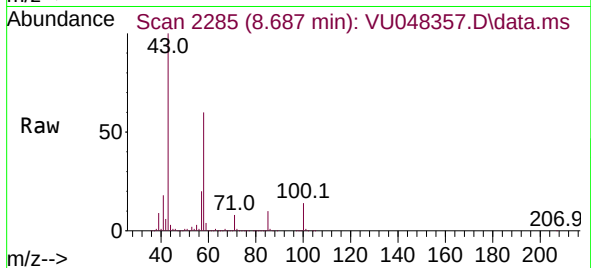
Tgt	Ion:164	Resp:	130673
Ion	Ratio	Lower	Upper
164	100		
129	88.7	63.3	117.7
131	87.8	61.2	113.6
166	127.0	88.9	165.1





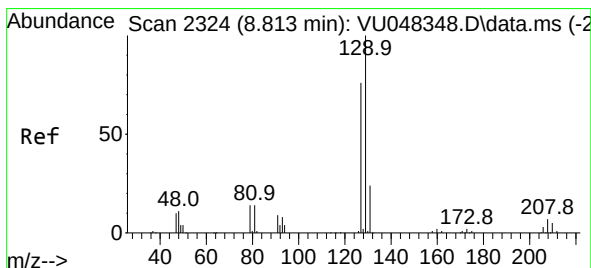
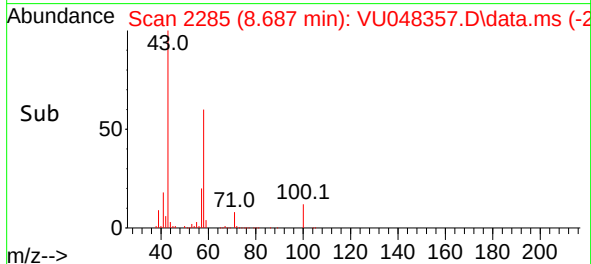
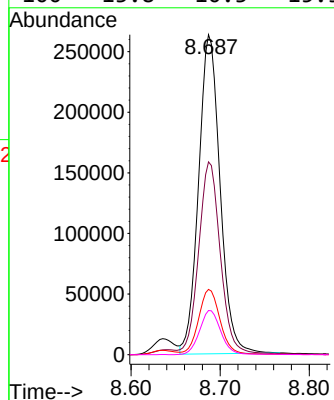
#48
2-Hexanone
Concen: 102.564 ug/L
RT: 8.687 min Scan# 211
Delta R.T. -0.007 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD050108



Tgt Ion: 43 Resp: 441478

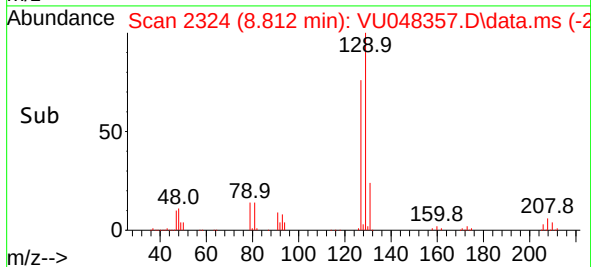
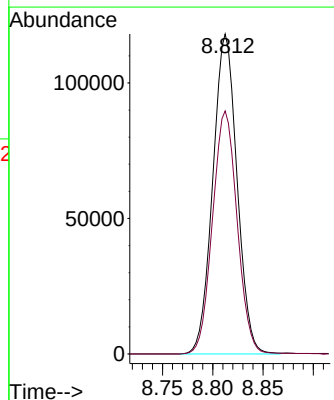
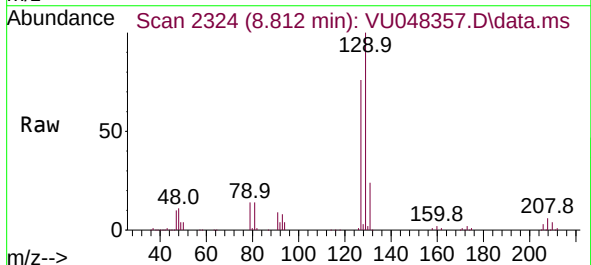
Ion	Ratio	Lower	Upper
43	100		
58	60.6	48.1	72.1
57	20.7	16.2	24.4
100	13.8	10.3	15.5

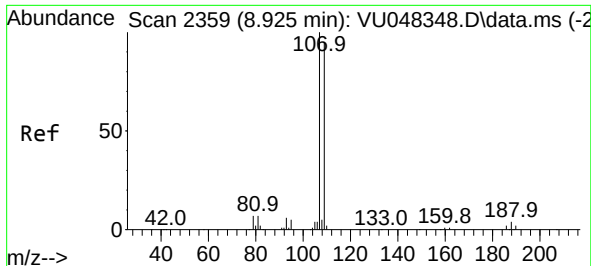


#49
Dibromochloromethane
Concen: 50.268 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 129 Resp: 198061

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.8	99.8





#50

1,2-Dibromoethane

Concen: 51.317 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

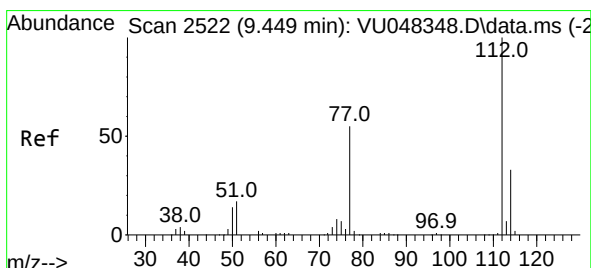
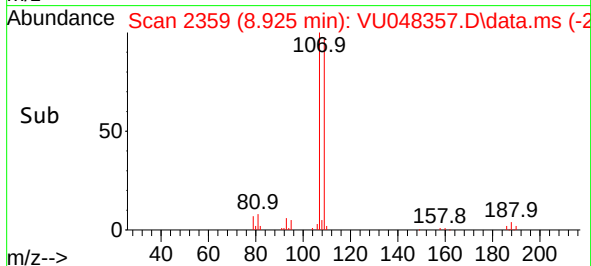
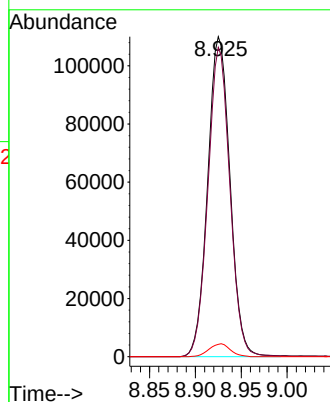
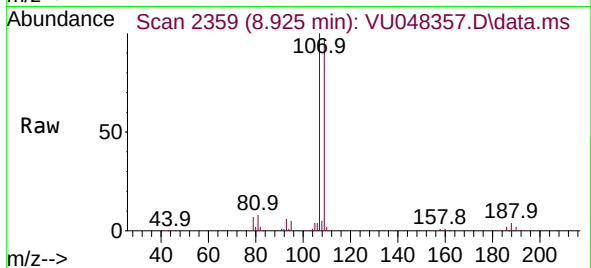
Tgt Ion:107 Resp: 186596

Ion Ratio Lower Upper

107 100

109 96.7 65.0 120.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 52.041 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

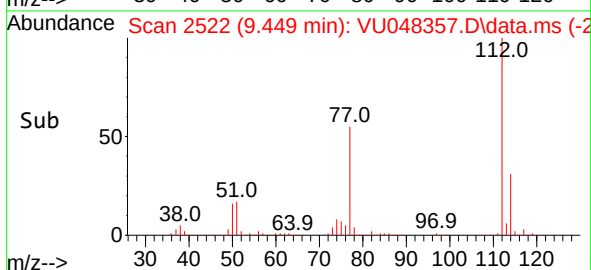
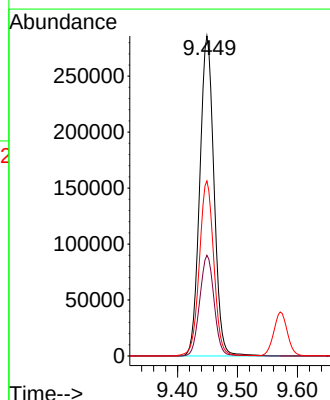
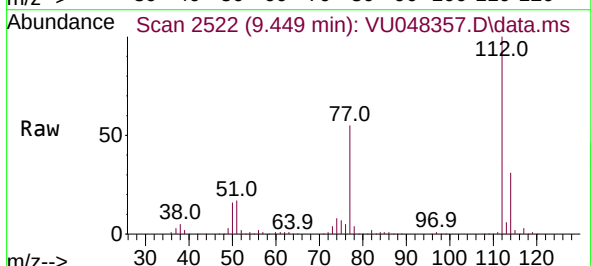
Tgt Ion:112 Resp: 473067

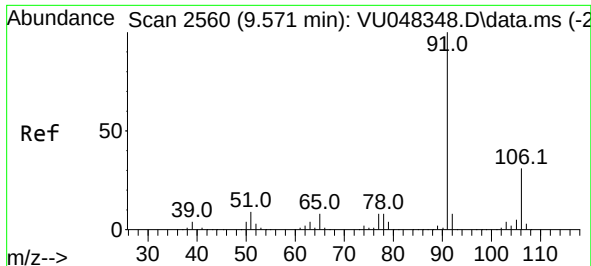
Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.1

77 54.7 44.3 66.5

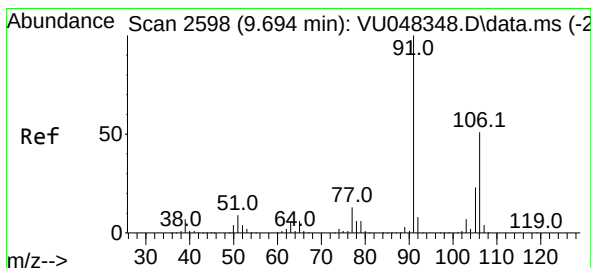
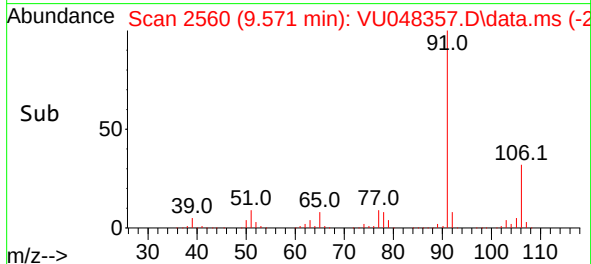
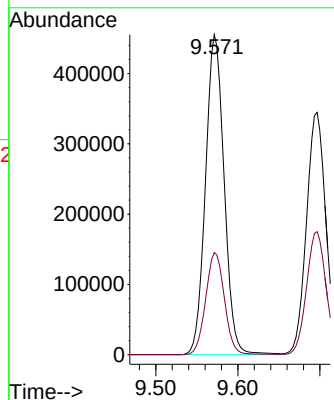
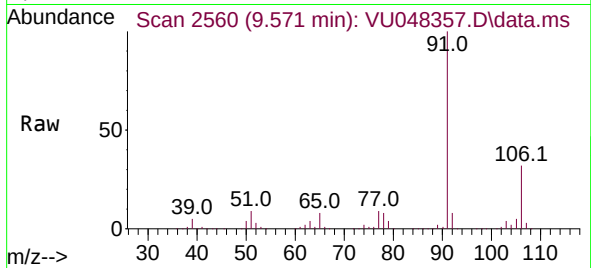




#52
Ethylbenzene
Concen: 55.061 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

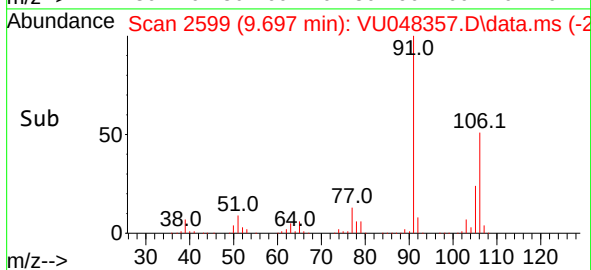
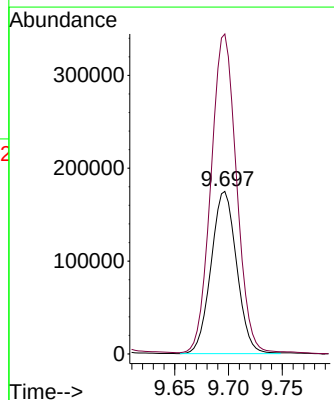
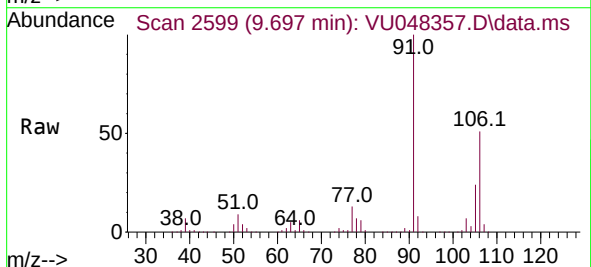
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

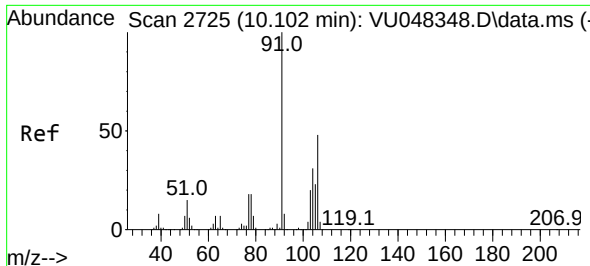
Tgt Ion: 91 Resp: 719133
Ion Ratio Lower Upper
91 100
106 31.9 22.5 41.9



#53
m,p-Xylene
Concen: 56.061 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 106 Resp: 288939
Ion Ratio Lower Upper
106 100
91 196.8 137.4 255.2

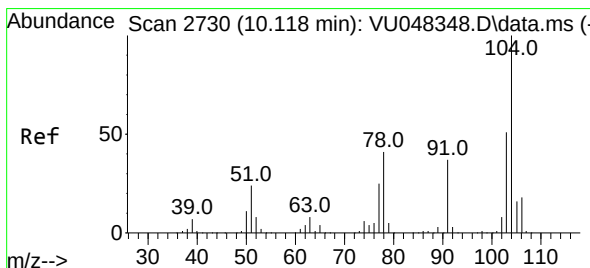
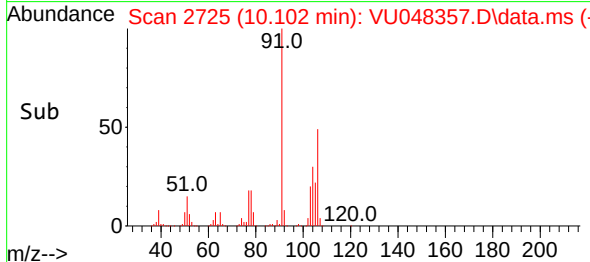
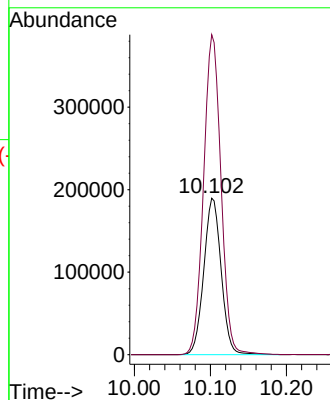
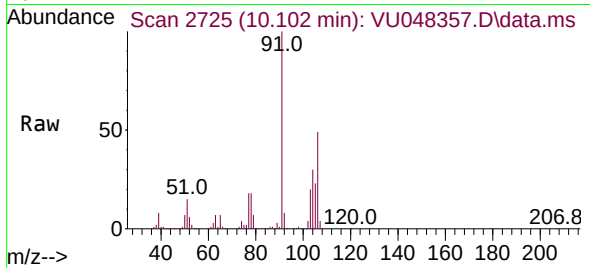




#54
o-Xylene
Concen: 58.012 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

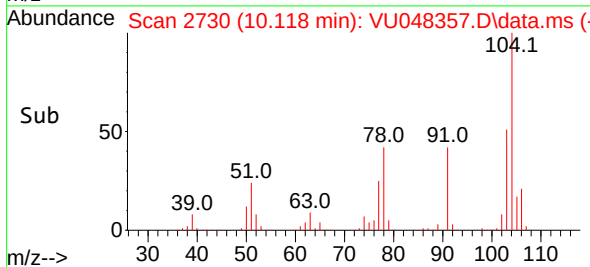
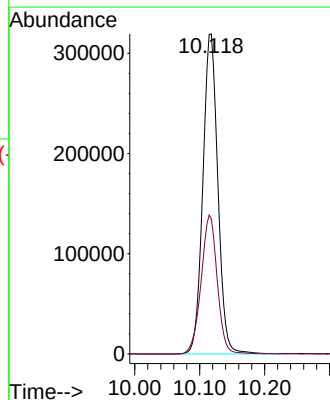
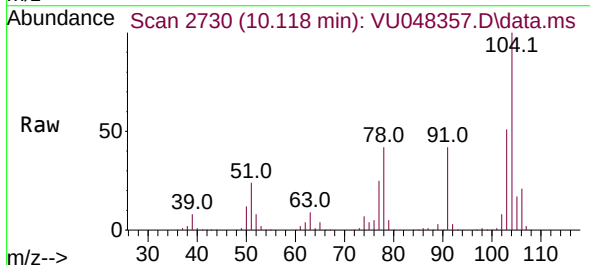
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

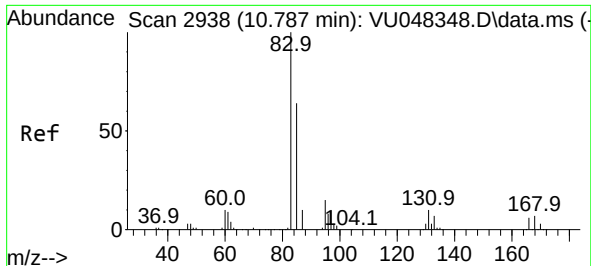
Tgt Ion:106 Resp: 301207
Ion Ratio Lower Upper
106 100
91 204.5 145.3 269.8



#55
Styrene
Concen: 58.199 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion:104 Resp: 514779
Ion Ratio Lower Upper
104 100
78 42.3 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 51.961 ug/L

RT: 10.783 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

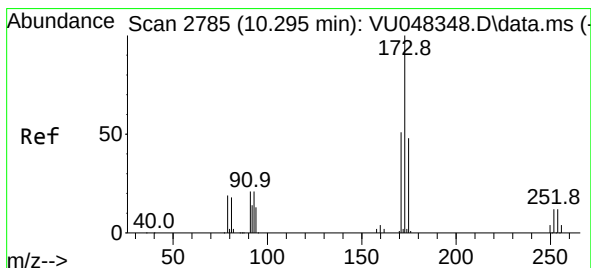
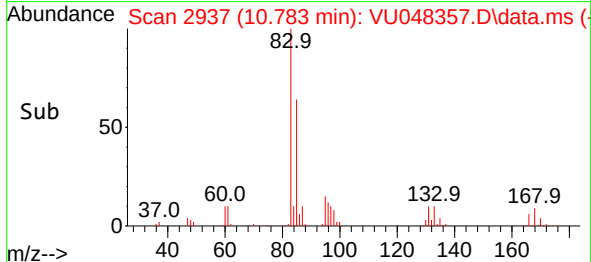
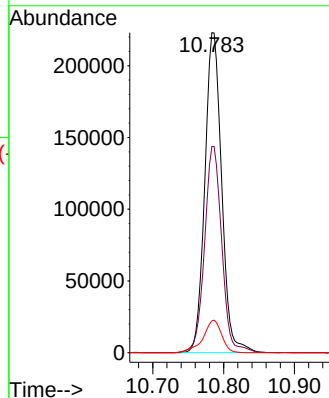
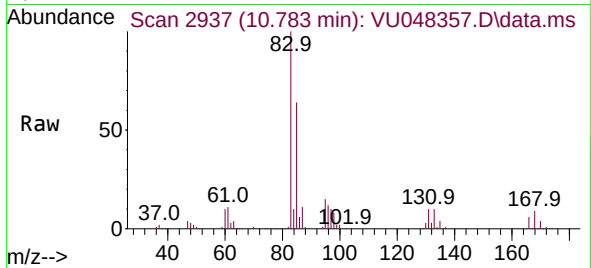
Tgt Ion: 83 Resp: 367715

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

131 10.0 7.8 11.6



#59

Bromoform

Concen: 48.198 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU048357.D

Acq: 29 Apr 2022 15:58

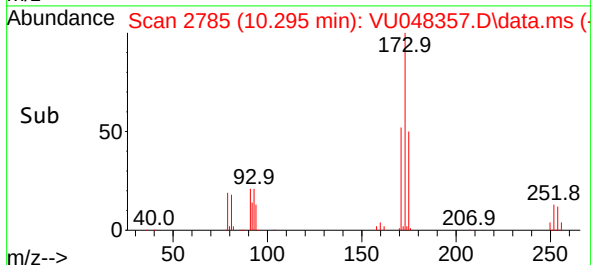
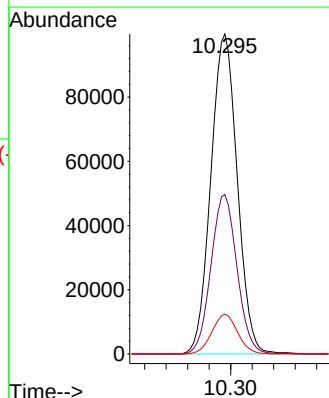
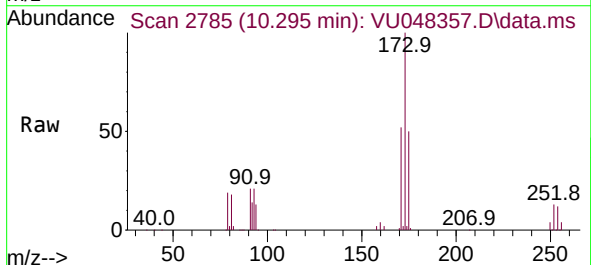
Tgt Ion:173 Resp: 169730

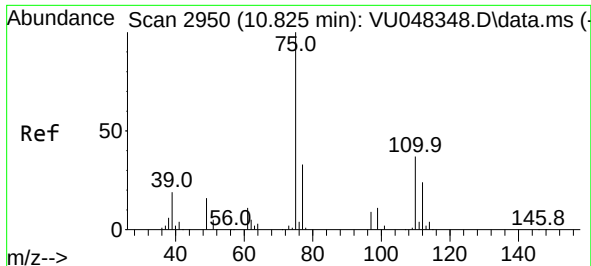
Ion Ratio Lower Upper

173 100

175 49.2 38.9 58.3

254 12.1 9.5 14.3

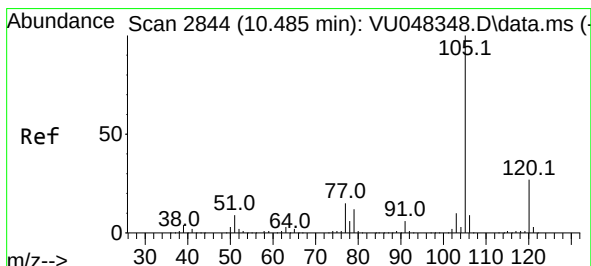
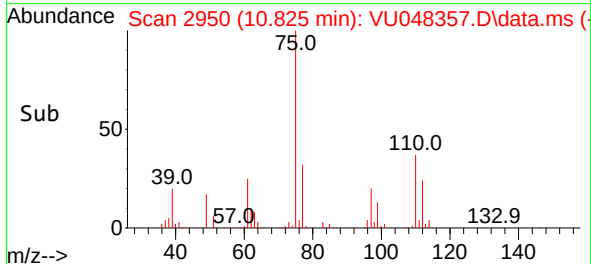
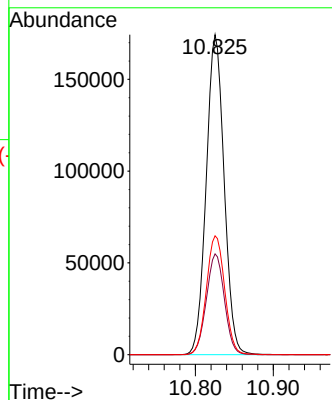
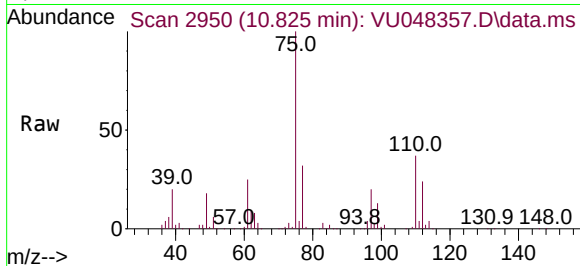




#60
1,2,3-Trichloropropane
Concen: 49.176 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

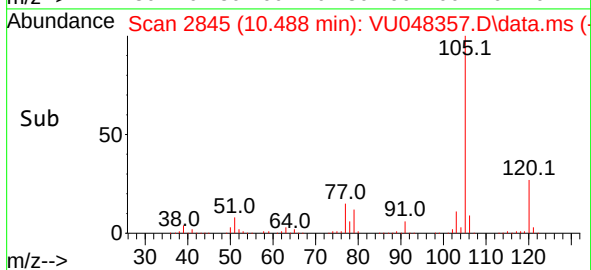
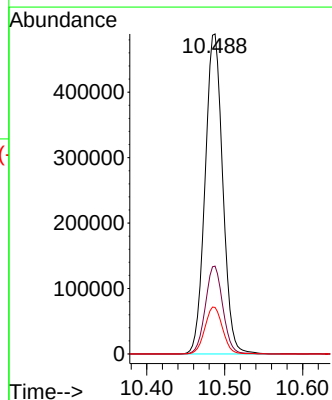
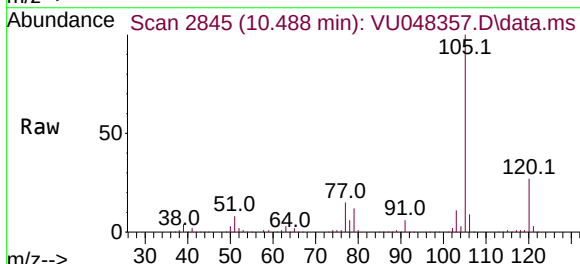
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

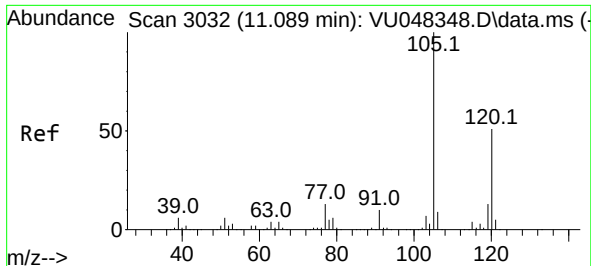
Tgt Ion: 75 Resp: 278373
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
110 38.0 29.9 44.9



#61
Isopropylbenzene
Concen: 56.797 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 105 Resp: 770582
Ion Ratio Lower Upper
105 100
120 27.3 21.7 32.5
77 14.7 11.7 17.5

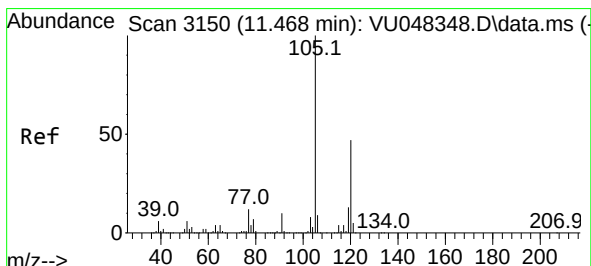
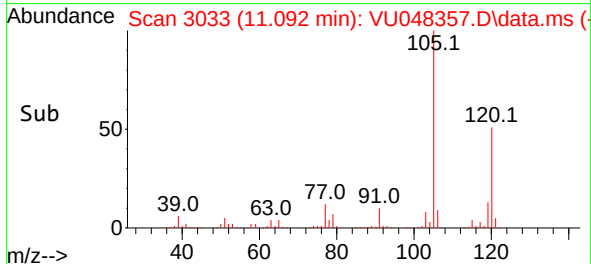
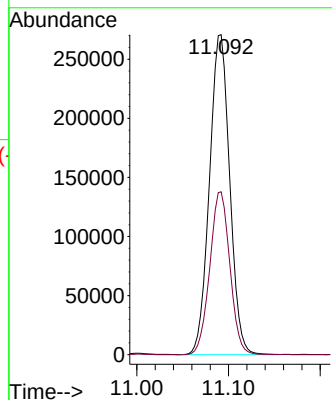
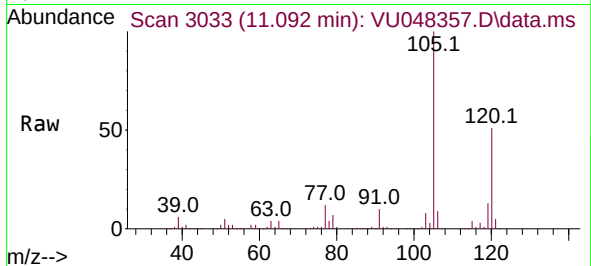




#62
 1,3,5-Trimethylbenzene
 Concen: 58.159 ug/L
 RT: 11.092 min Scan# 3033
 Delta R.T. 0.003 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

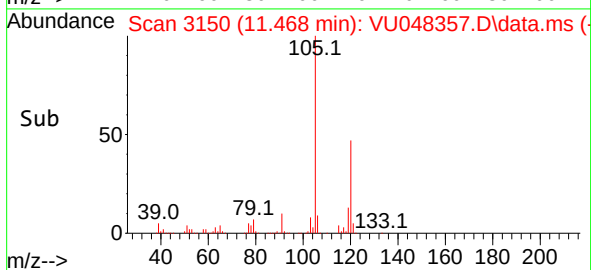
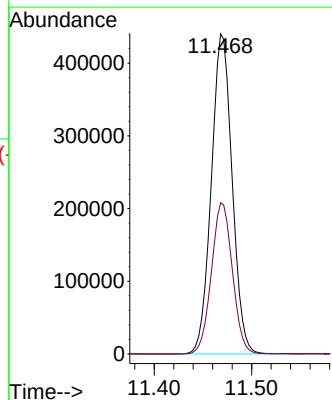
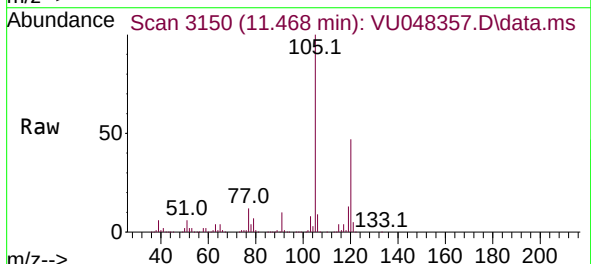
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

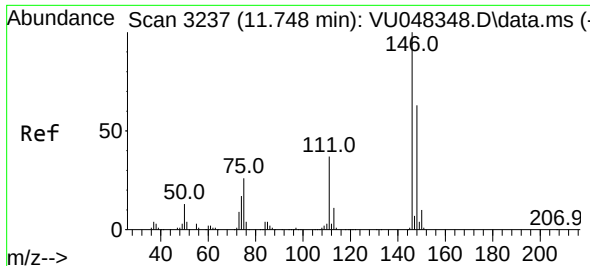
Tgt Ion:105 Resp: 415889
 Ion Ratio Lower Upper
 105 100
 120 50.5 40.7 61.1



#63
 1,2,4-Trimethylbenzene
 Concen: 59.447 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

Tgt Ion:105 Resp: 653567
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.0 57.0

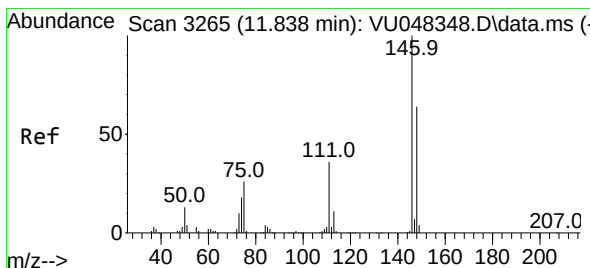
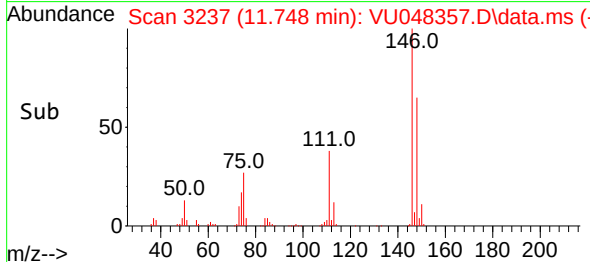
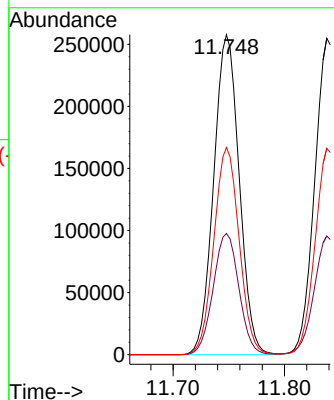
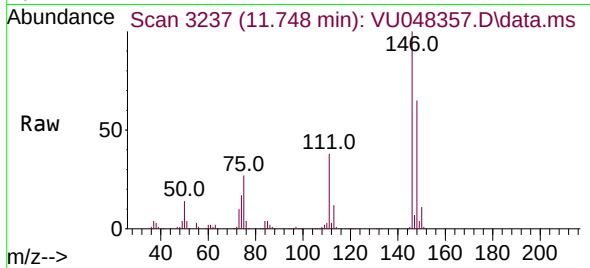




#64
1,3-Dichlorobenzene
Concen: 53.926 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

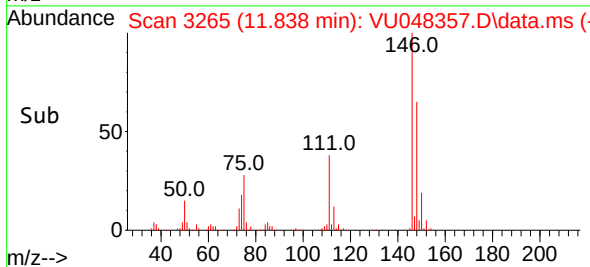
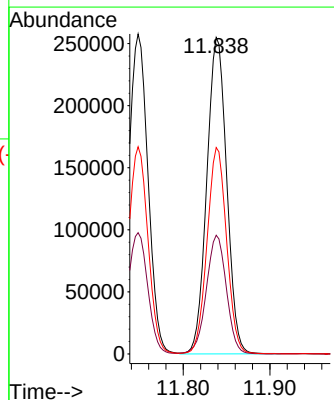
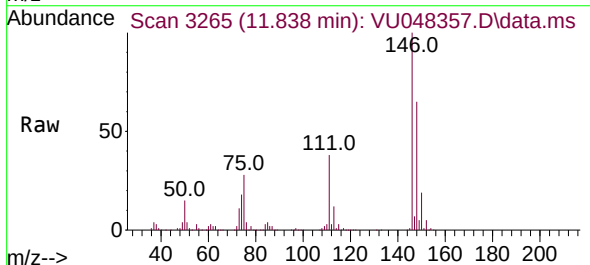
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

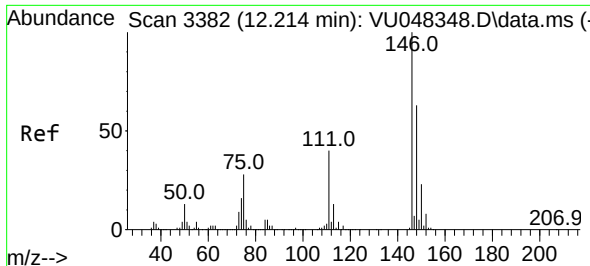
Tgt Ion:146 Resp: 410179
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 64.7 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 52.374 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion:146 Resp: 406698
Ion Ratio Lower Upper
146 100
111 37.5 25.9 48.1
148 65.2 45.1 83.7

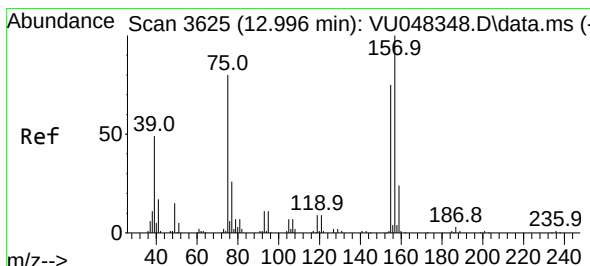
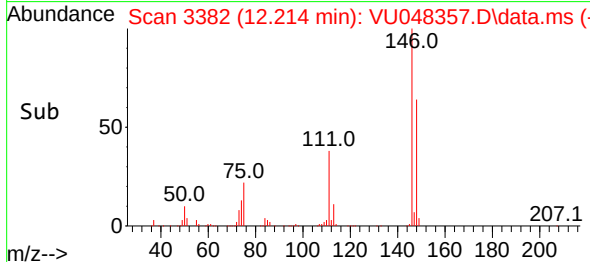
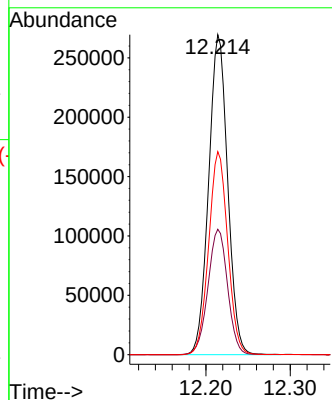
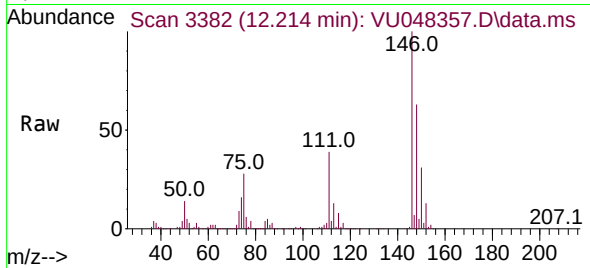




#67
1,2-Dichlorobenzene
Concen: 52.767 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

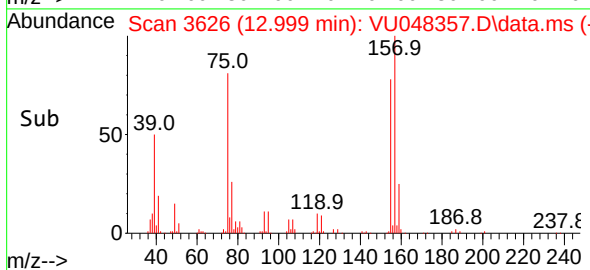
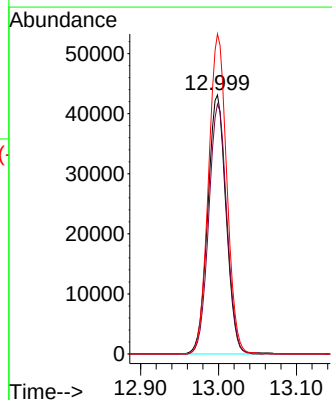
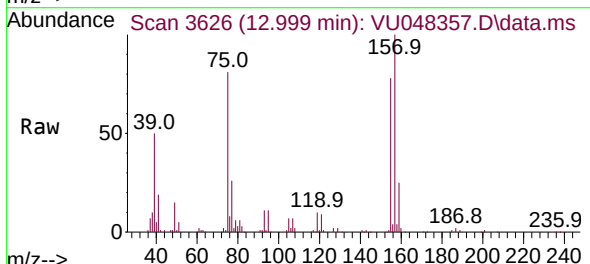
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

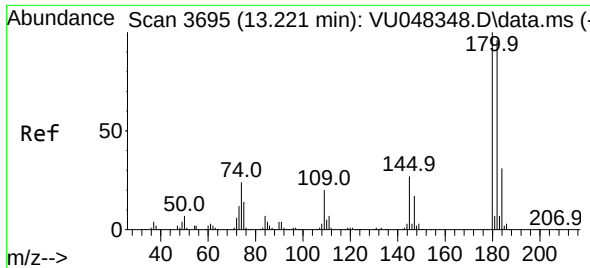
Tgt Ion:146 Resp: 422815
Ion Ratio Lower Upper
146 100
111 39.2 31.7 47.5
148 63.5 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 46.773 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion: 75 Resp: 70681
Ion Ratio Lower Upper
75 100
155 96.4 71.8 107.6
157 123.5 93.4 140.2



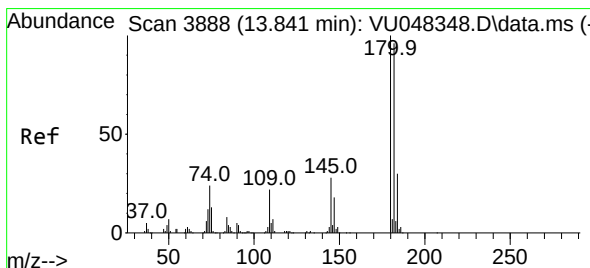
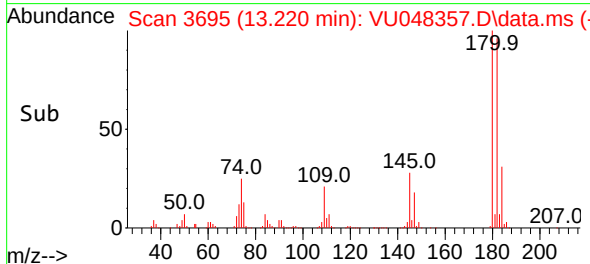
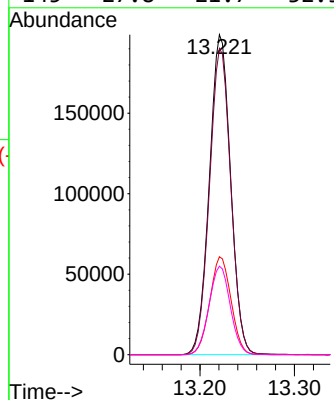
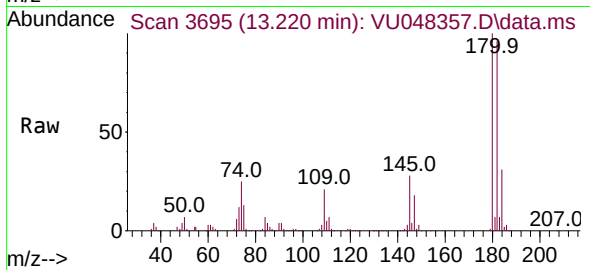


#69
 1,3,5-Trichlorobenzene
 Concen: 54.880 ug/L
 RT: 13.220 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

Tgt Ion:180 Resp: 310190

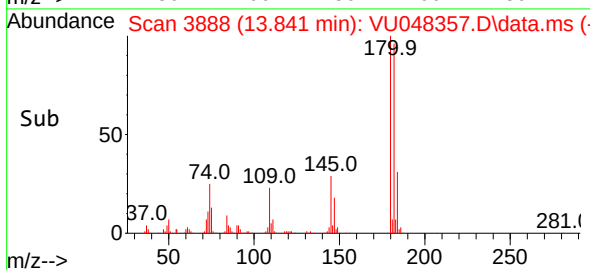
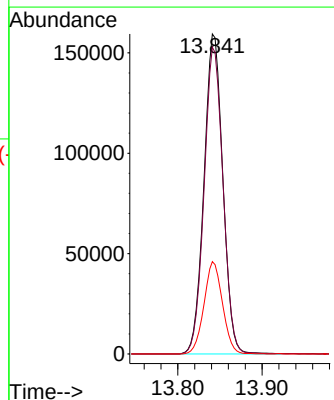
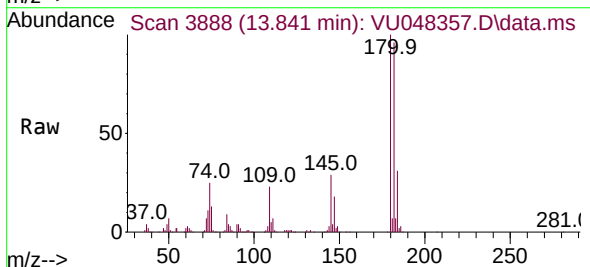
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
184	30.7	24.6	37.0
145	27.8	21.7	32.5

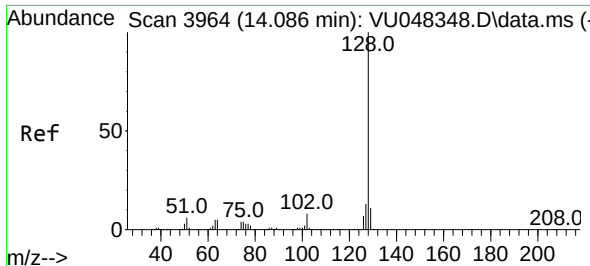


#70
 1,2,4-trichlorobenzene
 Concen: 55.669 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048357.D
 Acq: 29 Apr 2022 15:58

Tgt Ion:180 Resp: 248579

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
145	28.3	22.6	33.8

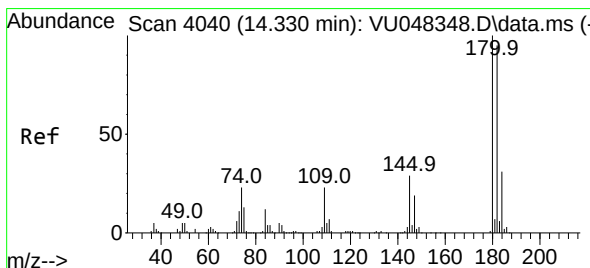
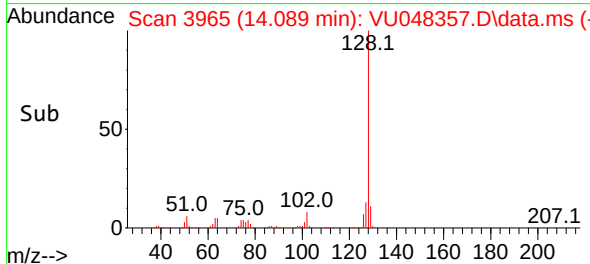
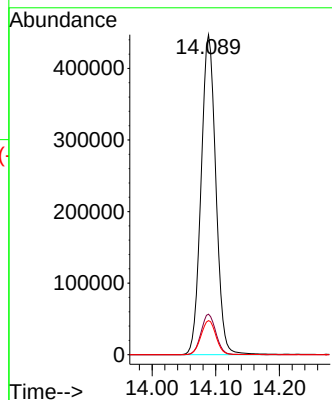
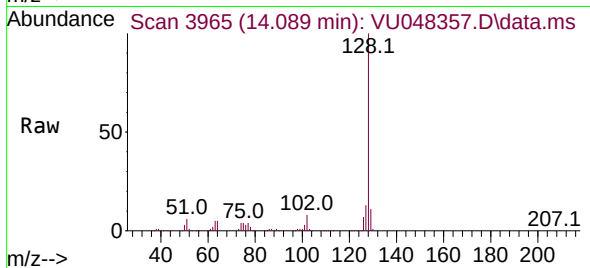




#71
Naphthalene
Concen: 56.364 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

Tgt Ion:128 Resp: 720257
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 55.431 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048357.D
Acq: 29 Apr 2022 15:58

Tgt Ion:180 Resp: 253660
Ion Ratio Lower Upper
180 100
182 95.4 75.8 113.6
145 29.2 23.5 35.3

