

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031422\
 Data File : VU047535.D
 Acq On : 14 Mar 2022 14:58
 Operator : SY/MD
 Sample : VSTD02023
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

Quant Time: Mar 15 05:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 15 05:13:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	155101	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	150671	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90388	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	211708	20.872	ug/L	0.00
7) Chloroethane-d5	1.919	69	190418	20.684	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.571	65	99649	20.949	ug/L	0.00
20) 2-Butanone-d5	4.642	46	736060	252.196	ug/L	0.00
24) Chloroform-d	5.067	84	457620	20.546	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	242966	20.131	ug/L	0.00
32) Benzene-d6	5.729	84	927812	21.154	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.693	67	288251	20.898	ug/L	0.00
41) Toluene-d8	7.899	98	880748	21.417	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	128126	22.095	ug/L	0.00
46) 2-Hexanone-d5	8.639	63	695596	231.405	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	296278	21.510	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	389557	20.625	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	197938	20.742	ug/L	100
3) Chloromethane	1.523	50	180269	19.261	ug/L	100
5) Vinyl chloride	1.607	62	193117	20.009	ug/L	100
6) Bromomethane	1.864	94	97297	21.427	ug/L	100
8) Chloroethane	1.938	64	115204	19.750	ug/L	99
9) Trichlorofluoromethane	2.144	101	262416	20.739	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	169180	21.179	ug/L	100
12) 1,1-Dichloroethene	2.584	96	158382	20.498	ug/L	95
13) Acetone	2.658	43	280721	246.682	ug/L	87
14) Carbon disulfide	2.800	76	459076	19.749	ug/L	99
15) Methyl Acetate	2.961	43	72309	23.038	ug/L	96
16) Methylene chloride	3.051	84	179276	15.728	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	407064	20.532	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	166185	20.007	ug/L	99
19) 1,1-Dichloroethane	3.874	63	291835	19.973	ug/L	98
21) 2-Butanone	4.722	43	520628	240.463	ug/L	93
22) cis-1,2-Dichloroethene	4.671	96	189256	20.536	ug/L	99
23) Bromochloromethane	4.980	128	95399	20.399	ug/L	96
25) Chloroform	5.092	83	319781	19.907	ug/L	98
27) 1,2-Dichloroethane	5.796	62	208622	20.305	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	275117	20.532	ug/L	99
30) Cyclohexane	5.391	56	256124	22.136	ug/L	99
31) Carbon tetrachloride	5.530	117	244481	20.743	ug/L	99
33) Benzene	5.777	78	697634	20.493	ug/L	100
34) Trichloroethene	6.546	95	184690	20.473	ug/L	99
35) Methylcyclohexane	6.764	83	298734	23.009	ug/L	98
37) 1,2-Dichloropropane	6.793	63	180290	20.665	ug/L	99
38) Bromodichloromethane	7.108	83	243639	20.281	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	291225	21.481	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	1298107	213.460	ug/L	100
42) Toluene	7.970	91	776707	21.045	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	263240	21.766	ug/L	99

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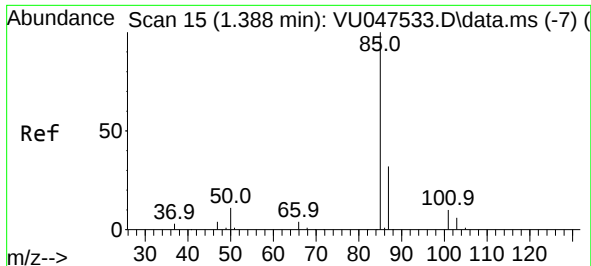
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.401	97	151694	20.282	ug/L	98
47) Tetrachloroethene	8.555	164	160513	20.860	ug/L	99
48) 2-Hexanone	8.690	43	952941	205.898	ug/L	99
49) Dibromochloromethane	8.812	129	192937	20.941	ug/L	100
50) 1,2-Dibromoethane	8.925	107	152023	20.555	ug/L	99
51) Chlorobenzene	9.449	112	519653	20.615	ug/L	99
52) Ethylbenzene	9.571	91	852538	21.811	ug/L	100
53) m,p-Xylene	9.693	106	337105	22.306	ug/L	96
54) o-Xylene	10.102	106	329922	22.098	ug/L	99
55) Styrene	10.115	104	586509	22.874	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	214025	21.344	ug/L	99
59) Bromoform	10.291	173	132793	20.825	ug/L	99
60) Isopropylbenzene	10.484	105	879869	21.548	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	147238	19.421	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	590567	22.652	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	772294	22.821	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	470419	20.657	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	468812	20.152	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	453008	20.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	35249	19.381	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	392535	20.390	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	347497	20.519	ug/L	100
71) Naphthalene	14.085	128	643634	20.476	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	317835	19.557	ug/L	99

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

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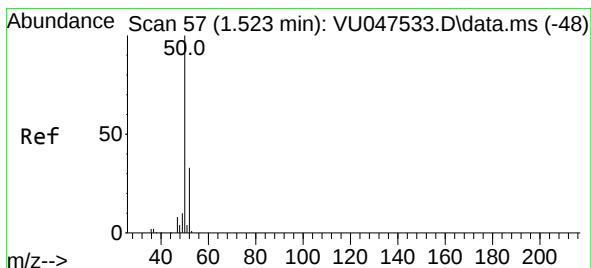
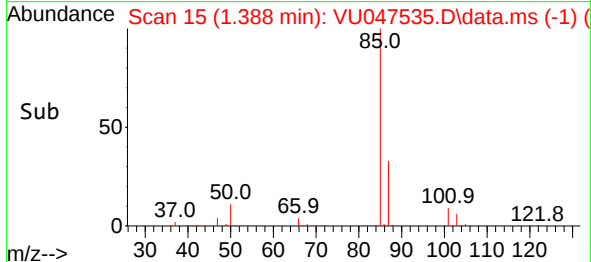
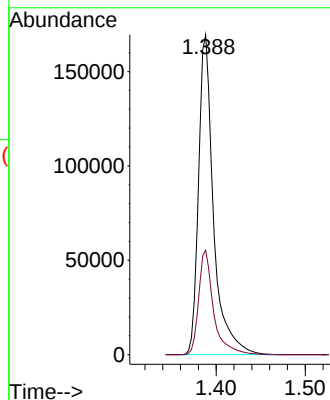
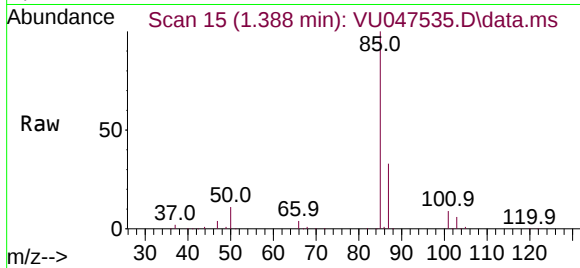




#2
Dichlorodifluoromethane
Concen: 20.742 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

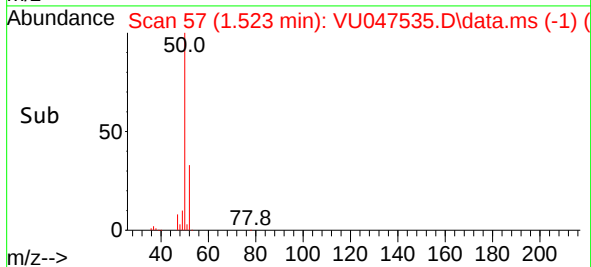
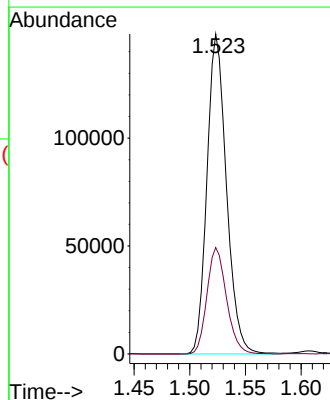
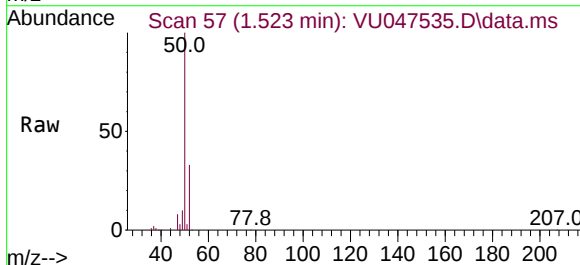
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

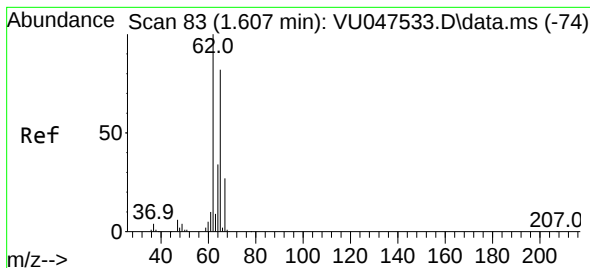
Tgt Ion: 85 Resp: 197938
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 19.261 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 50 Resp: 180269
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.0





#5

Vinyl chloride

Concen: 20.009 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

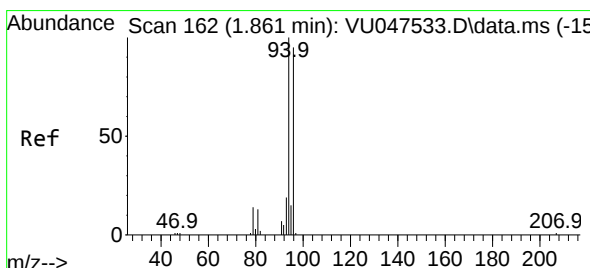
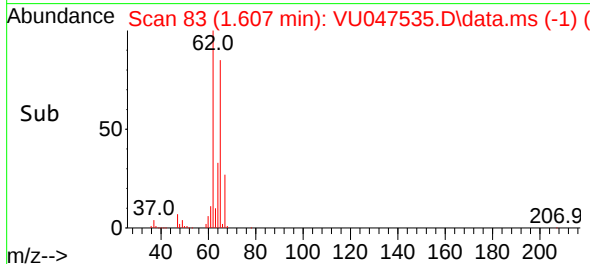
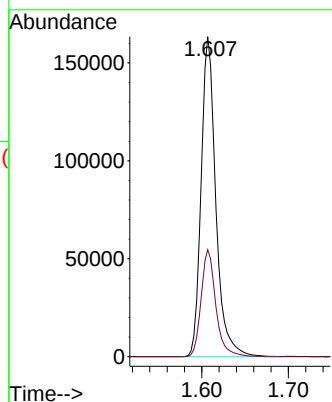
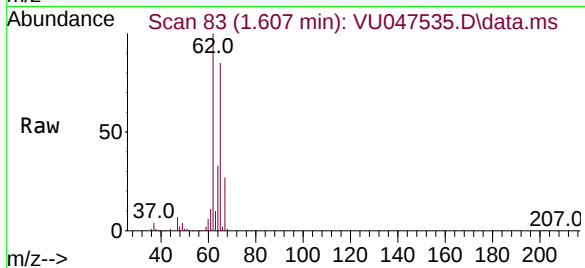
VSTD020023

Tgt Ion: 62 Resp: 193117

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



#6

Bromomethane

Concen: 21.427 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.003 min

Lab File: VU047535.D

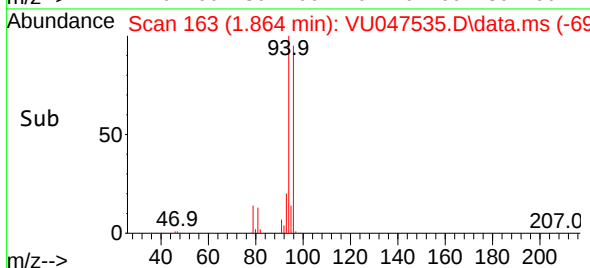
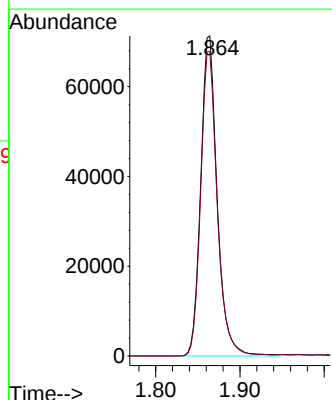
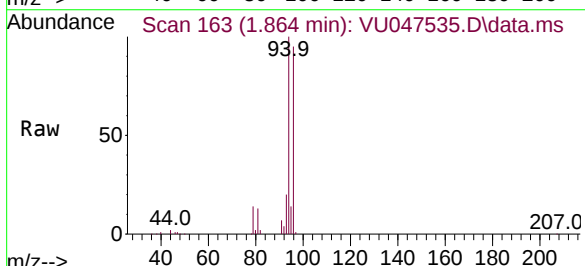
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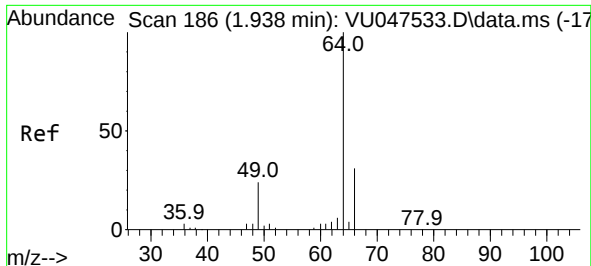
Tgt Ion: 94 Resp: 97297

Ion Ratio Lower Upper

94 100

96 95.1 66.5 123.5

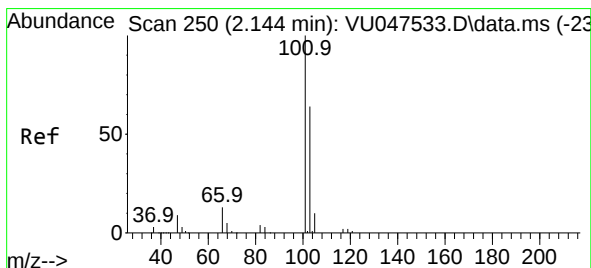
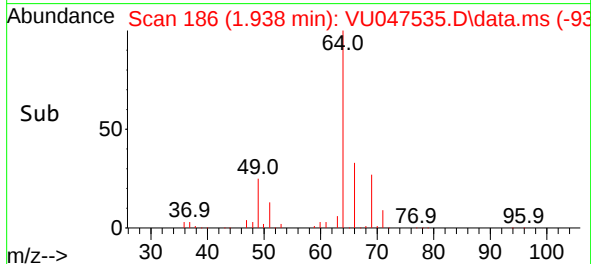
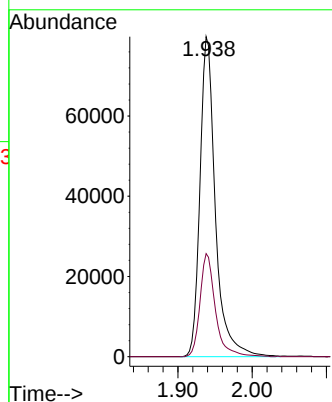
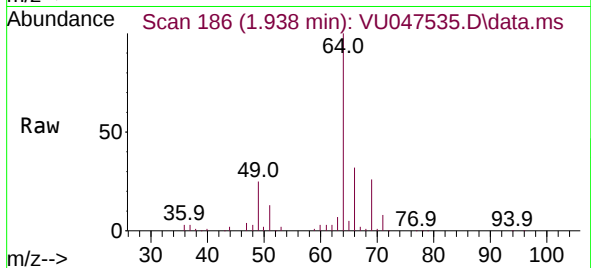




#8
Chloroethane
Concen: 19.750 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

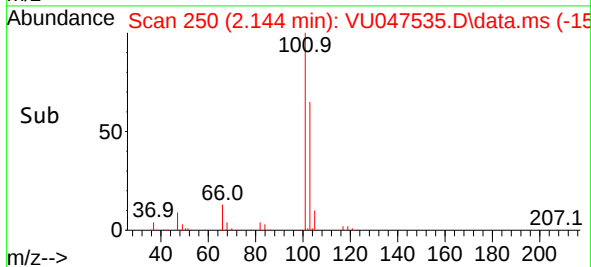
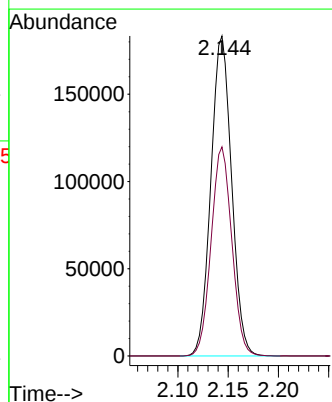
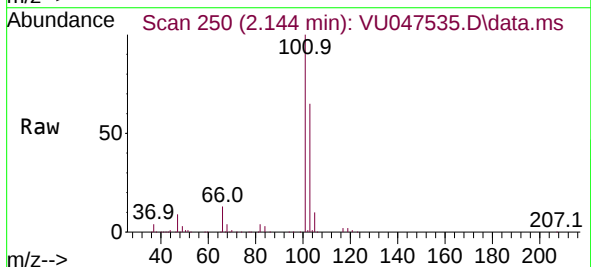
Instrument :
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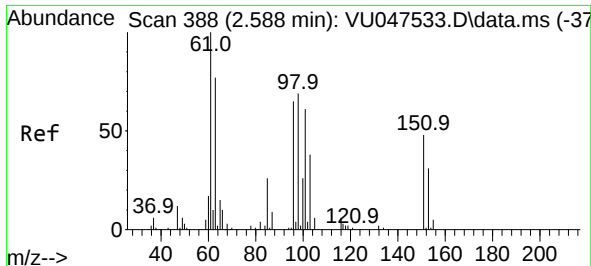
Tgt Ion: 64 Resp: 115204
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 20.739 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion:101 Resp: 262416
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2





#10

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

Concen: 21.179 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

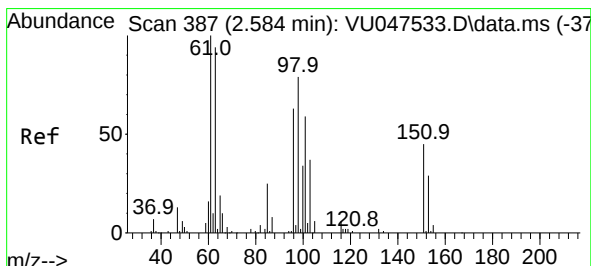
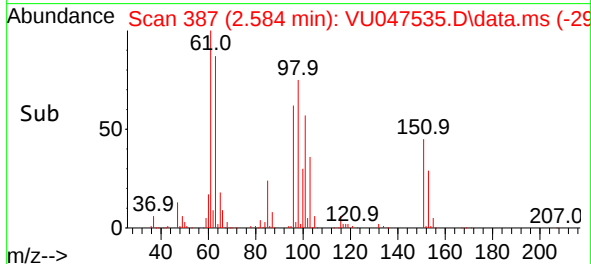
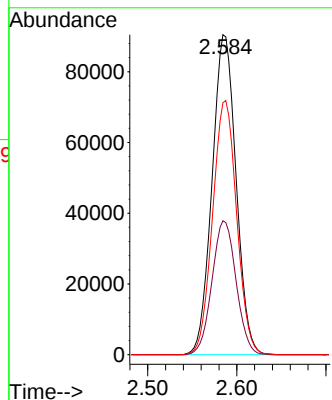
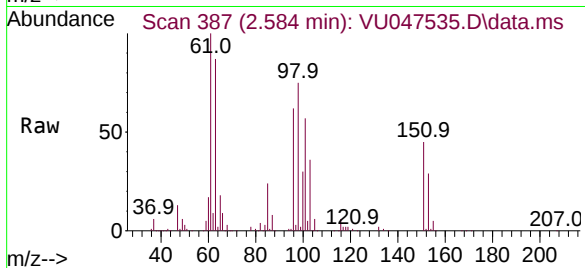
Tgt Ion:101 Resp: 169180

Ion Ratio Lower Upper

101 100

85 42.0 34.0 51.0

151 79.8 63.8 95.6



#12

1,1-Dichloroethene

Concen: 20.498 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

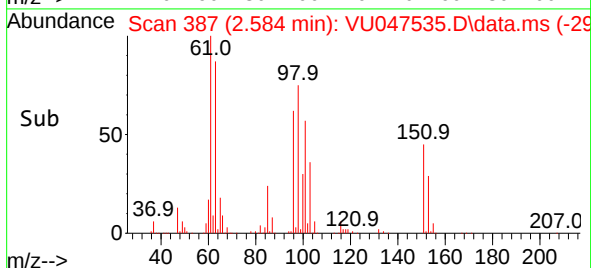
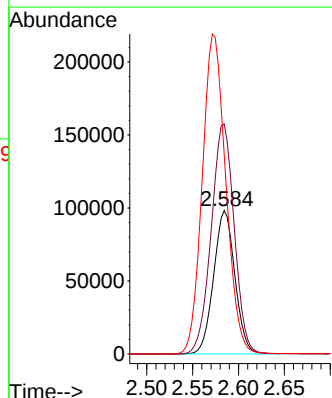
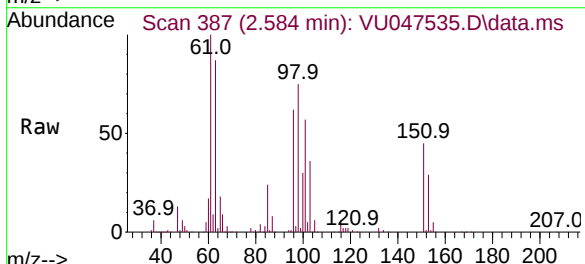
Tgt Ion: 96 Resp: 158382

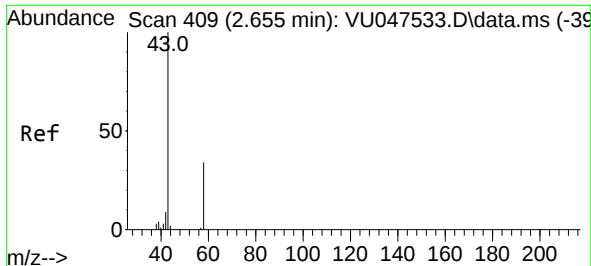
Ion Ratio Lower Upper

96 100

61 160.5 111.4 207.0

63 139.2 106.6 198.0





#13

Acetone

Concen: 246.682 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

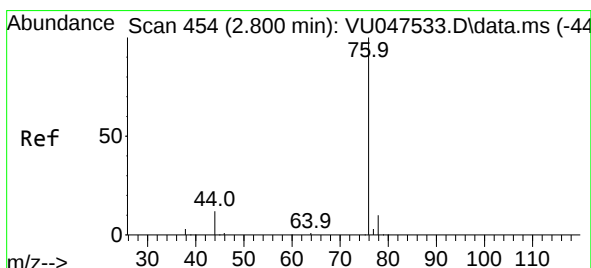
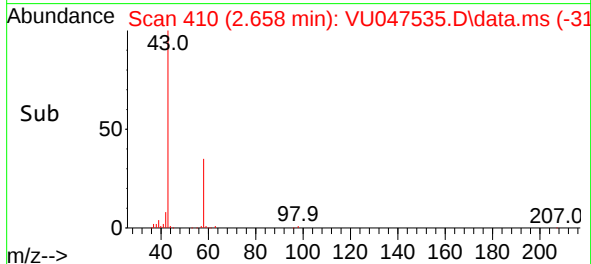
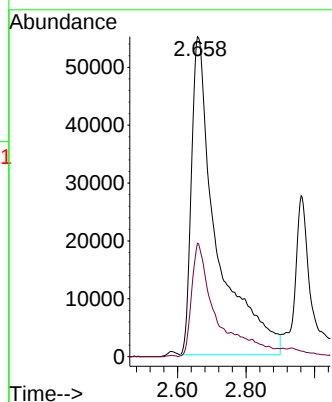
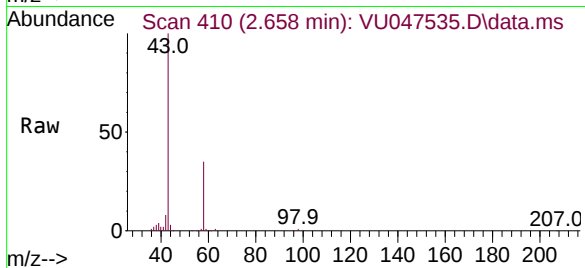
VSTD020023

Tgt Ion: 43 Resp: 280721

Ion Ratio Lower Upper

43 100

58 27.1 0.0 69.4



#14

Carbon disulfide

Concen: 19.749 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047535.D

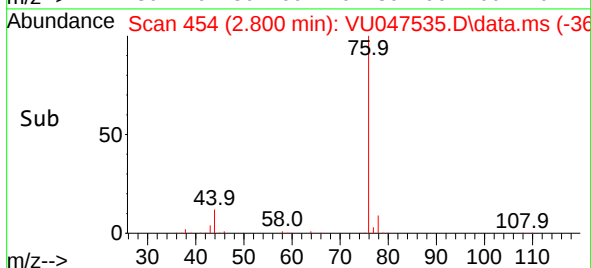
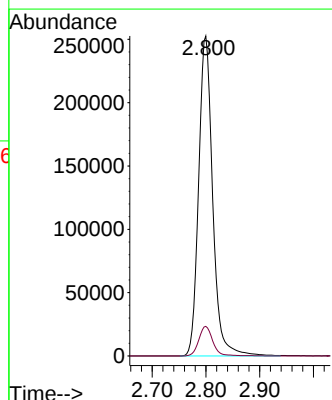
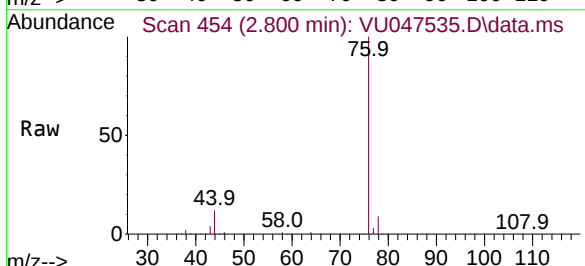
Acq: 14 Mar 2022 14:58

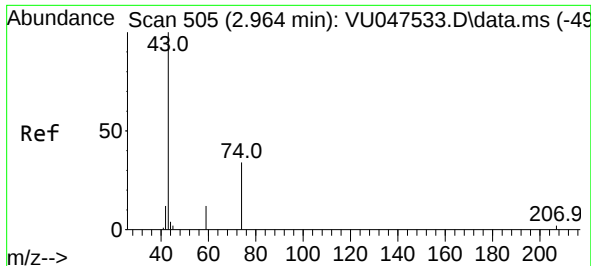
Tgt Ion: 76 Resp: 459076

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

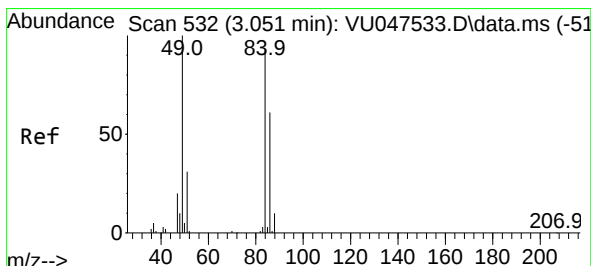
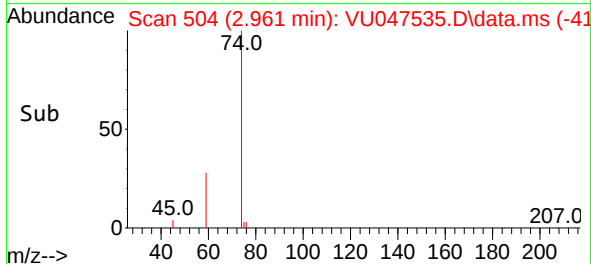
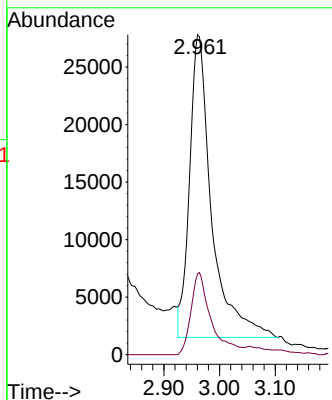
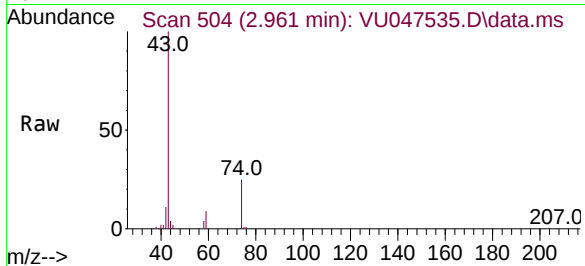




#15
Methyl Acetate
Concen: 23.038 ug/L
RT: 2.961 min Scan# 505
Delta R.T. -0.003 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

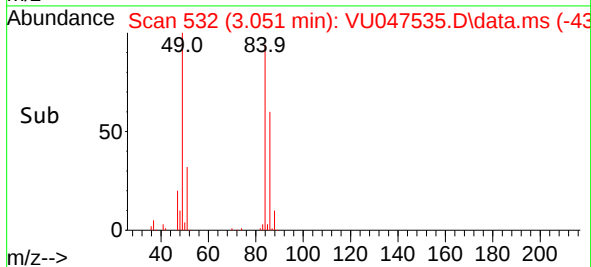
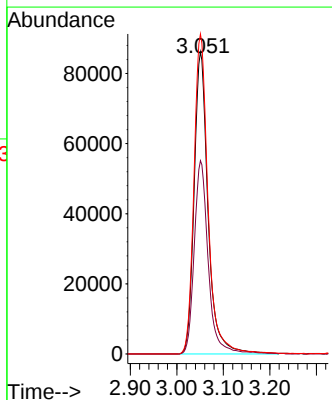
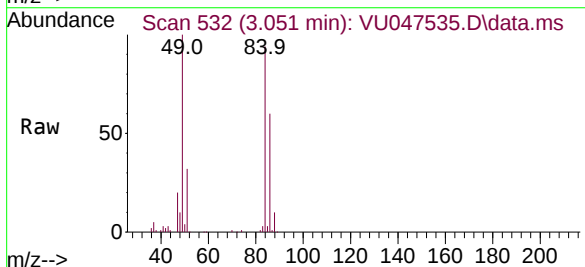
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

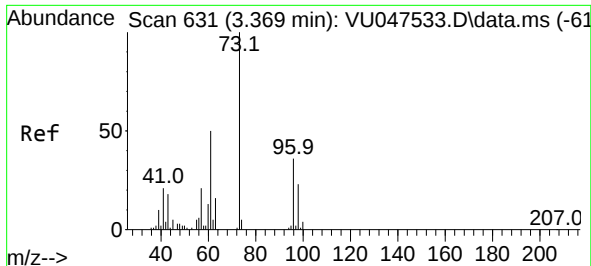
Tgt Ion: 43 Resp: 72309
Ion Ratio Lower Upper
43 100
74 24.9 21.8 32.6



#16
Methylene chloride
Concen: 15.728 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 84 Resp: 179276
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.4
49 105.9 75.0 139.4





#17

Methyl tert-butyl Ether

Concen: 20.532 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

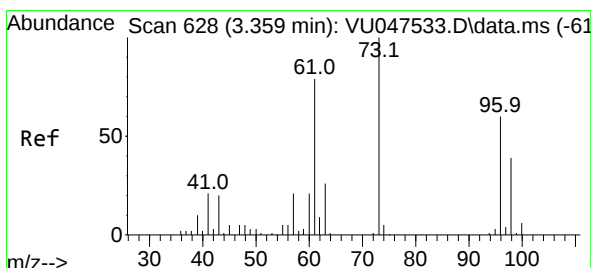
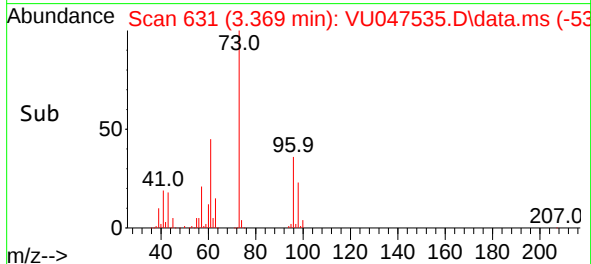
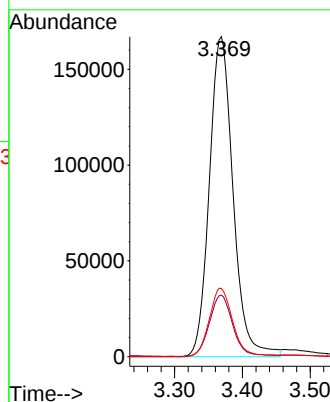
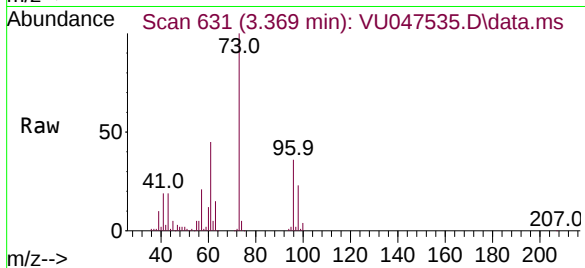
Tgt Ion: 73 Resp: 407064

Ion Ratio Lower Upper

73 100

43 18.8 15.2 22.8

57 21.0 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 20.007 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

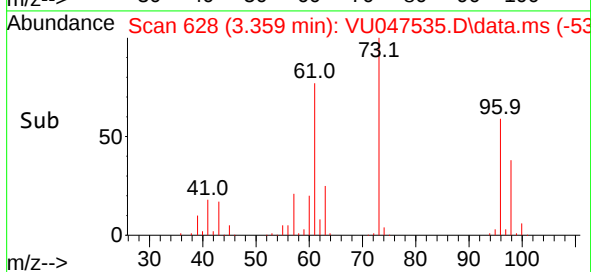
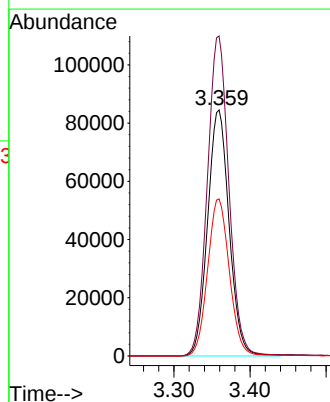
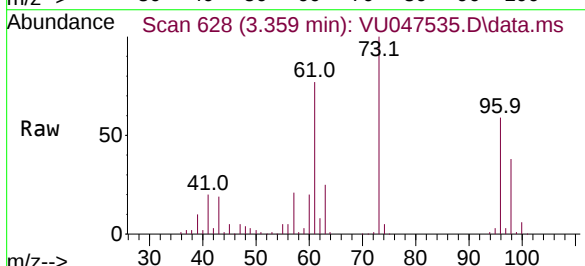
Tgt Ion: 96 Resp: 166185

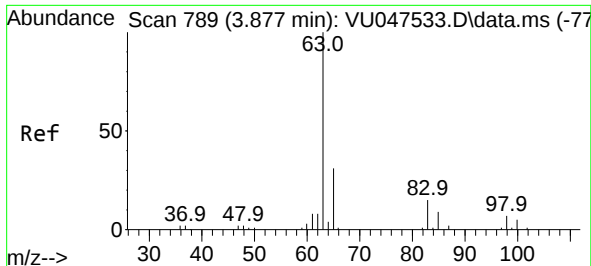
Ion Ratio Lower Upper

96 100

61 130.0 91.7 170.3

98 63.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 19.973 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

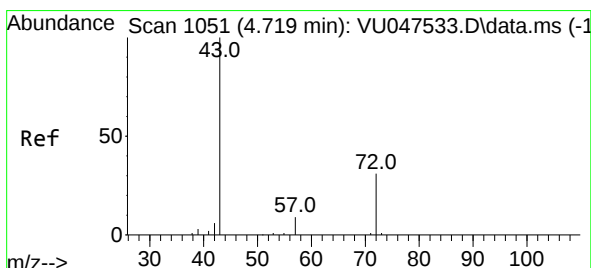
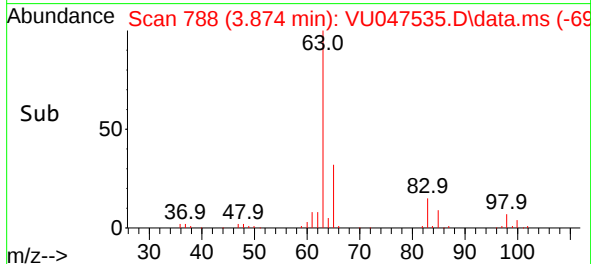
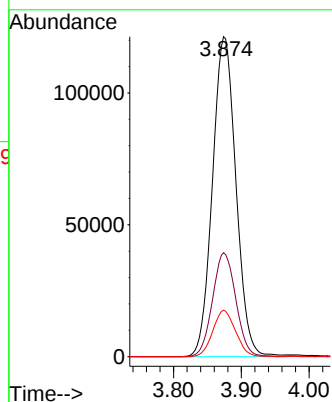
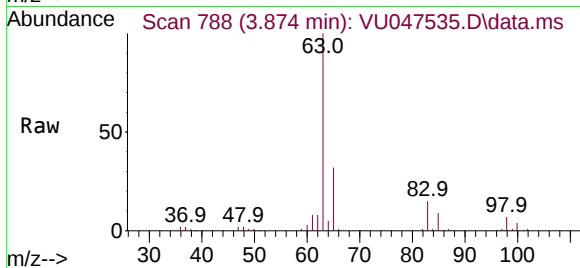
Tgt Ion: 63 Resp: 291835

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.6

83 14.6 10.8 20.0



#21

2-Butanone

Concen: 240.463 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. 0.003 min

Lab File: VU047535.D

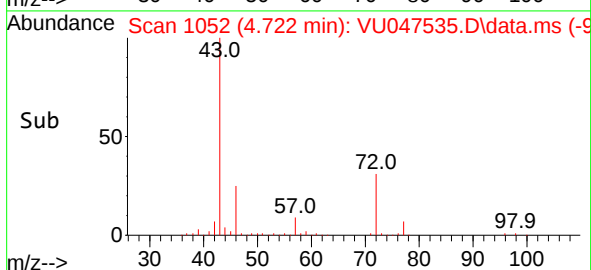
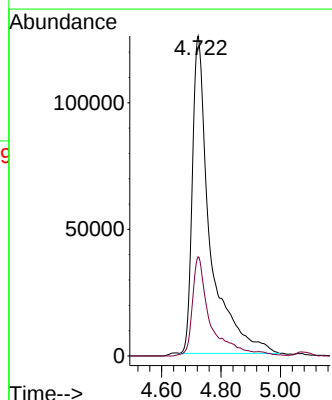
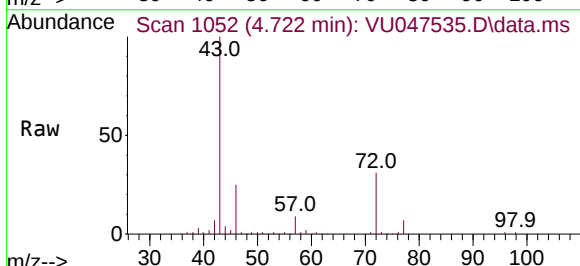
Acq: 14 Mar 2022 14:58

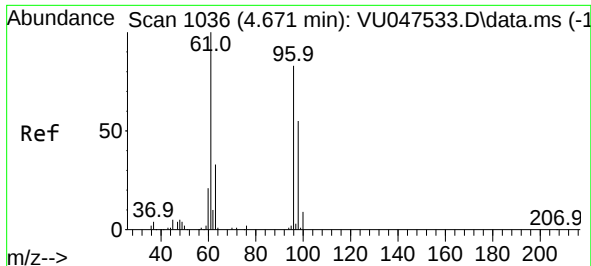
Tgt Ion: 43 Resp: 520628

Ion Ratio Lower Upper

43 100

72 25.8 14.9 44.7

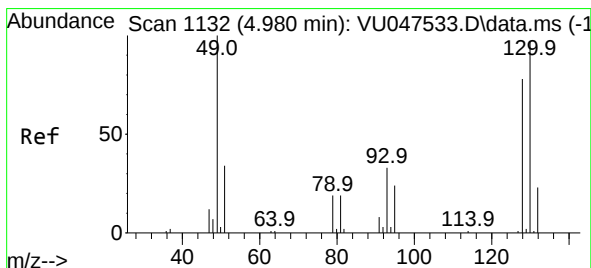
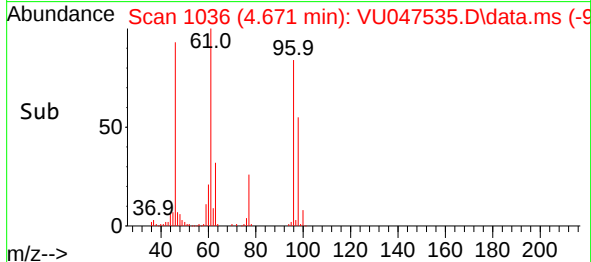
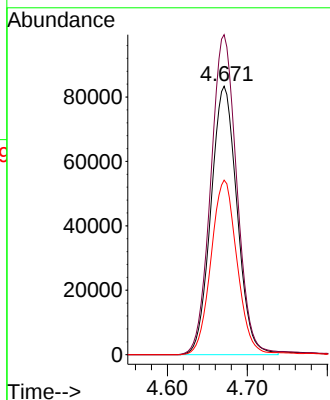
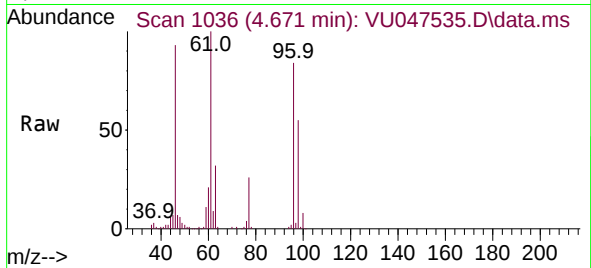




#22
 cis-1,2-Dichloroethene
 Concen: 20.536 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

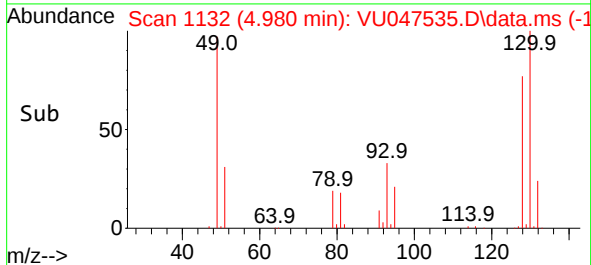
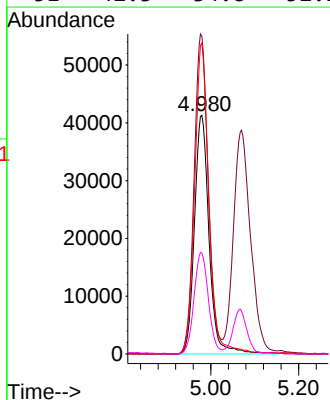
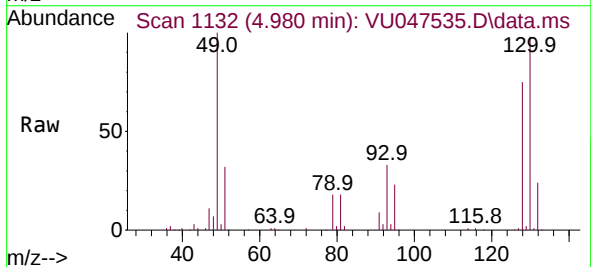
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

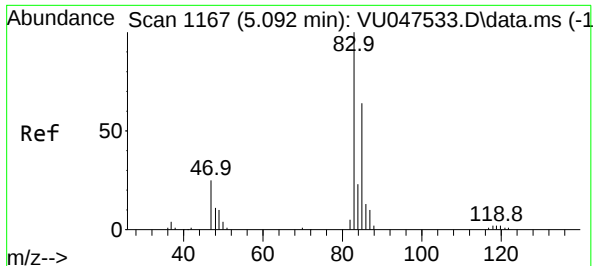
Tgt Ion: 96 Resp: 189256
 Ion Ratio Lower Upper
 96 100
 61 119.2 83.9 155.7
 98 65.0 46.4 86.2



#23
 Bromochloromethane
 Concen: 20.399 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

Tgt Ion: 128 Resp: 95399
 Ion Ratio Lower Upper
 128 100
 49 133.1 89.6 166.4
 130 130.2 87.3 162.1
 51 42.3 34.8 52.2





#25

Chloroform

Concen: 19.907 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

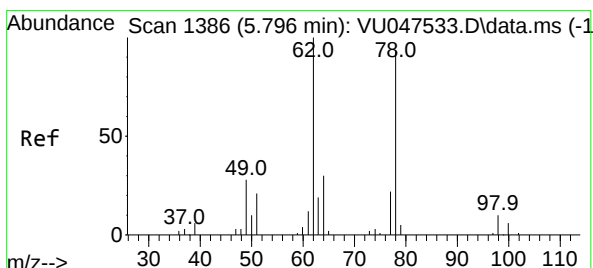
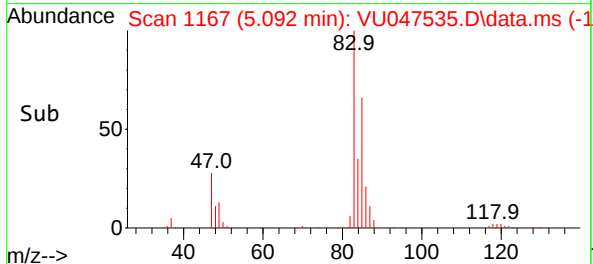
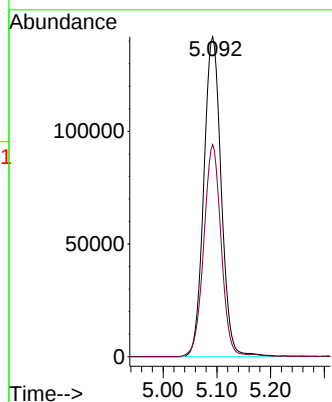
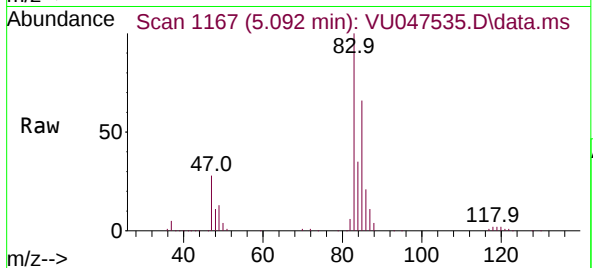
VSTD020023

Tgt Ion: 83 Resp: 319781

Ion Ratio Lower Upper

83 100

85 66.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 20.305 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047535.D

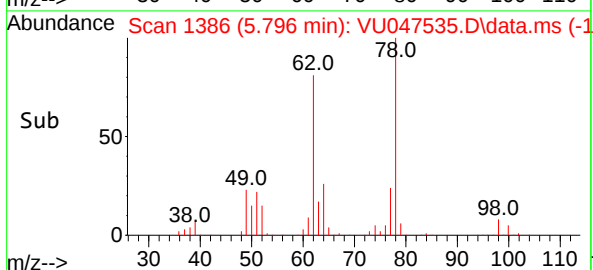
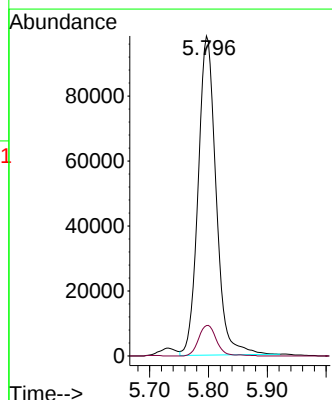
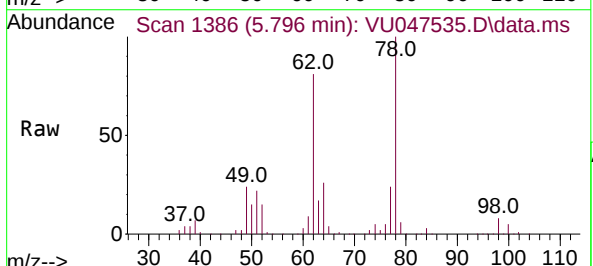
Acq: 14 Mar 2022 14:58

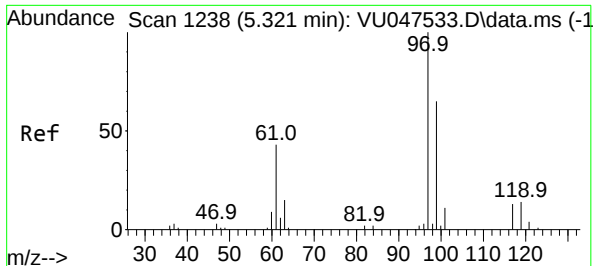
Tgt Ion: 62 Resp: 208622

Ion Ratio Lower Upper

62 100

98 9.5 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 20.532 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

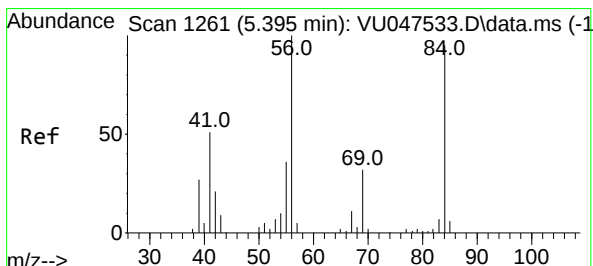
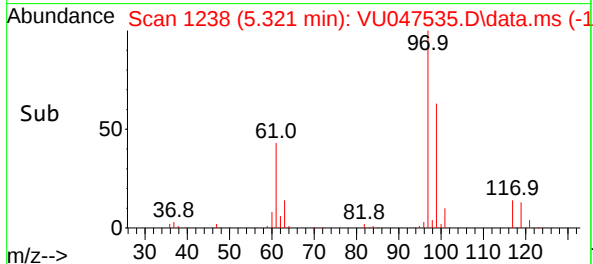
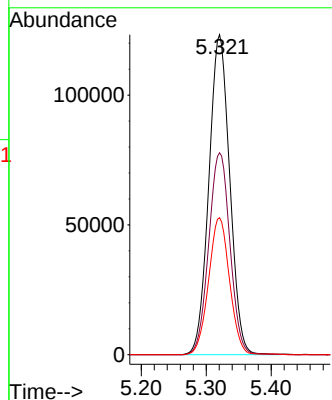
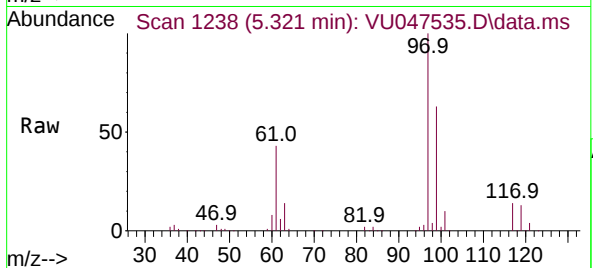
Tgt Ion: 97 Resp: 275117

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 43.0 35.0 52.4



#30

Cyclohexane

Concen: 22.136 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

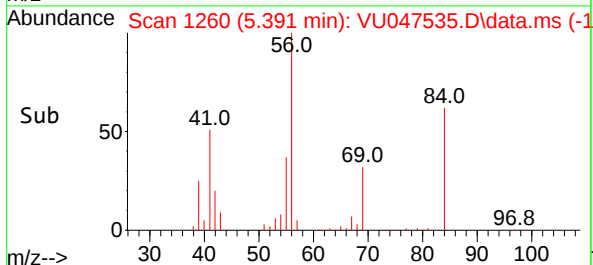
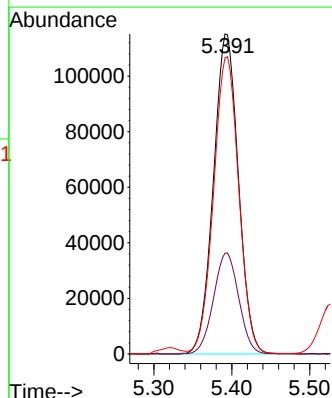
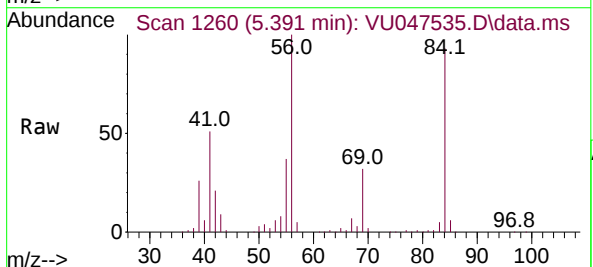
Tgt Ion: 56 Resp: 256124

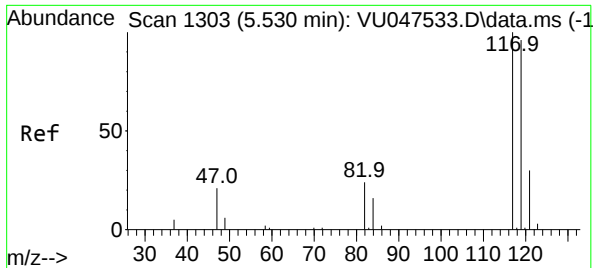
Ion Ratio Lower Upper

56 100

69 32.0 26.0 39.0

84 94.1 76.2 114.4

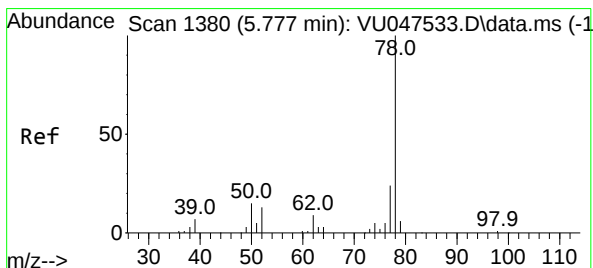
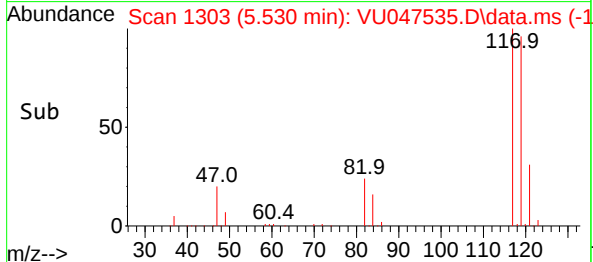
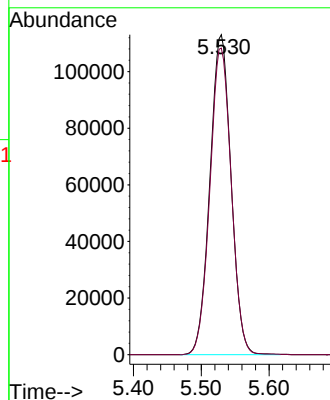
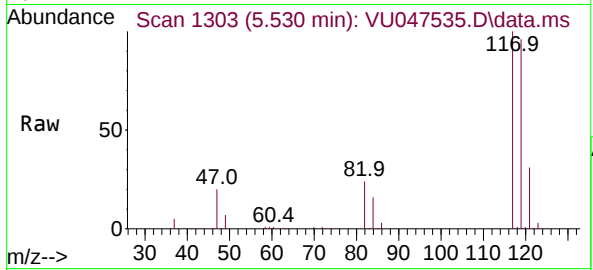




#31
Carbon tetrachloride
Concen: 20.743 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

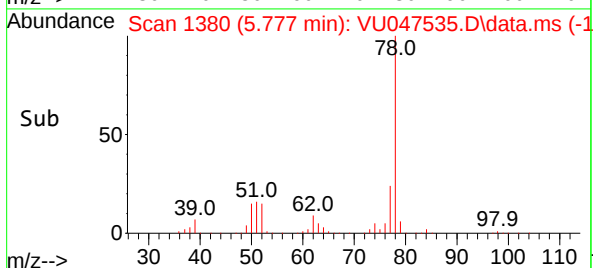
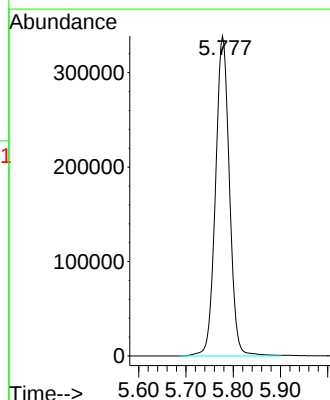
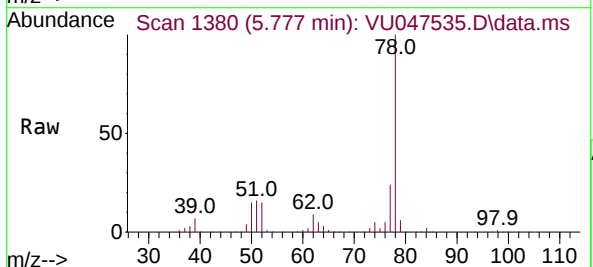
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

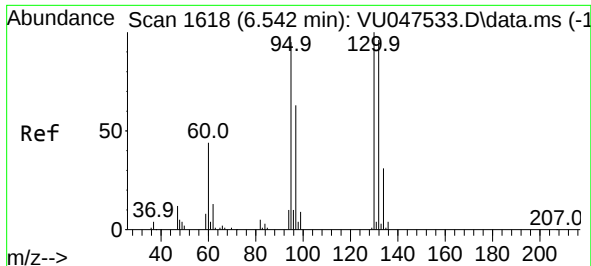
Tgt Ion:117 Resp: 244481
Ion Ratio Lower Upper
117 100
119 97.0 76.9 115.3



#33
Benzene
Concen: 20.493 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 78 Resp: 697634





#34

Trichloroethene

Concen: 20.473 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

Tgt Ion: 95 Resp: 184690

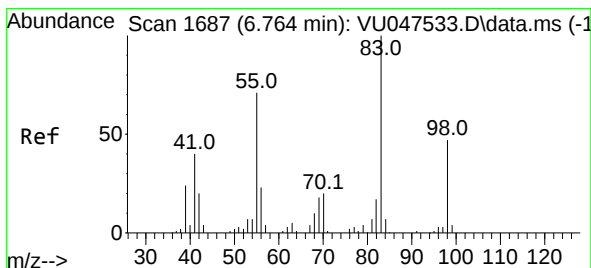
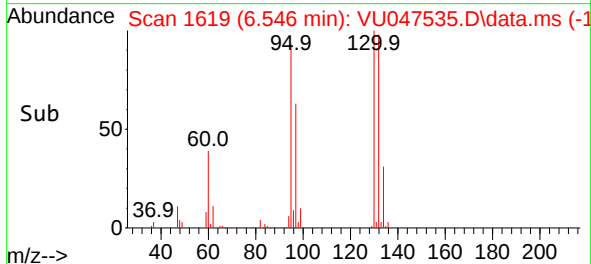
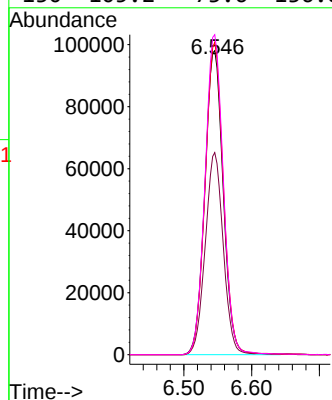
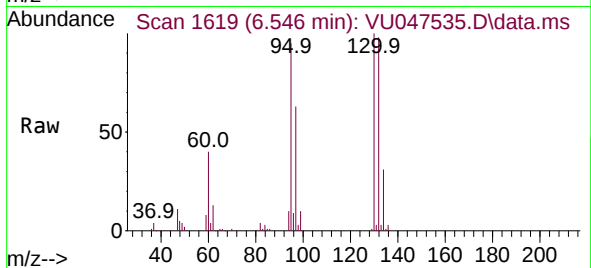
Ion Ratio Lower Upper

95 100

97 66.5 46.3 85.9

132 102.8 70.7 131.3

130 105.2 73.6 136.8



#35

Methylcyclohexane

Concen: 23.009 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

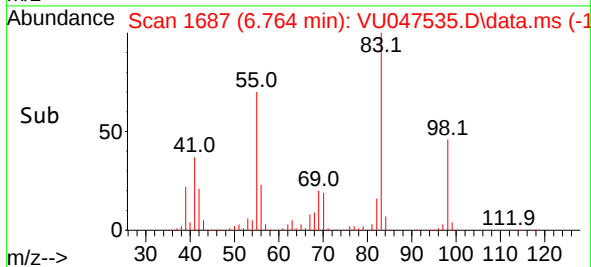
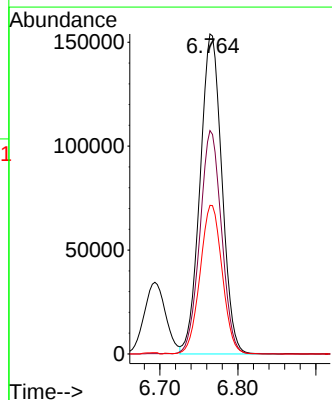
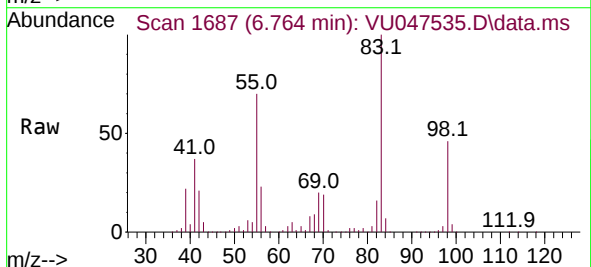
Tgt Ion: 83 Resp: 298734

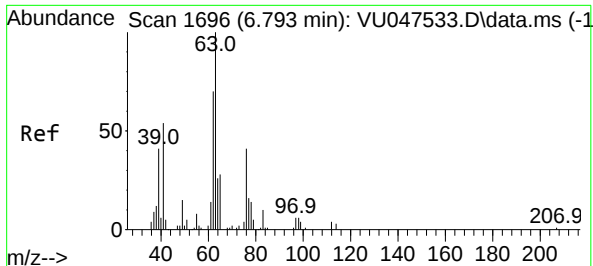
Ion Ratio Lower Upper

83 100

55 69.1 57.3 85.9

98 47.2 37.5 56.3





#37

1,2-Dichloropropane

Concen: 20.665 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

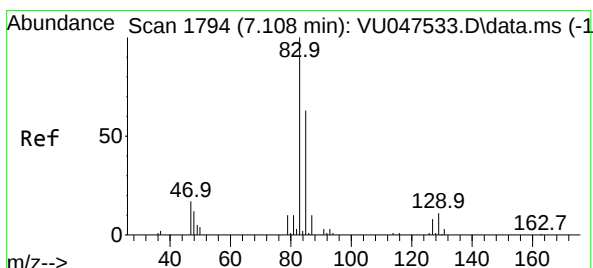
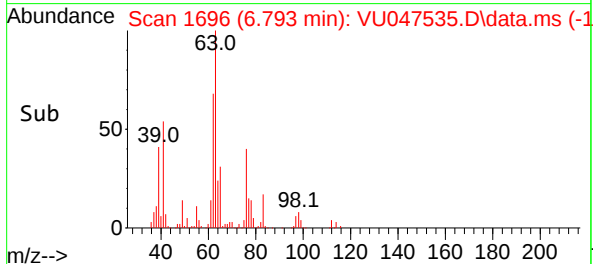
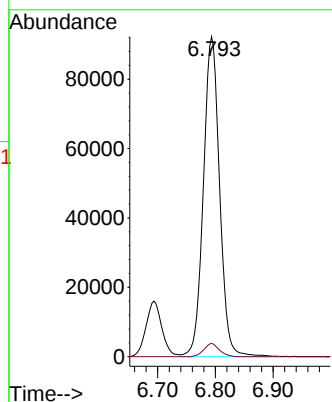
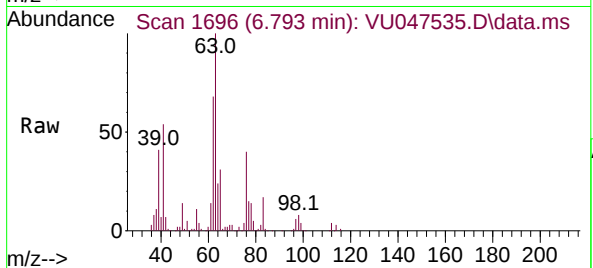
VSTD020023

Tgt Ion: 63 Resp: 180290

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



#38

Bromodichloromethane

Concen: 20.281 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

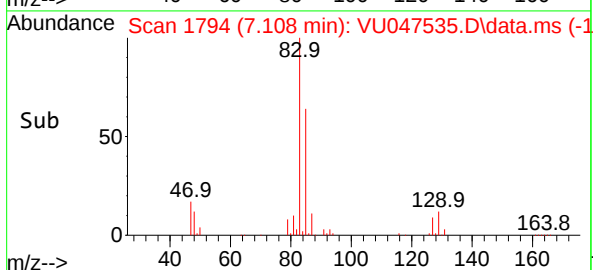
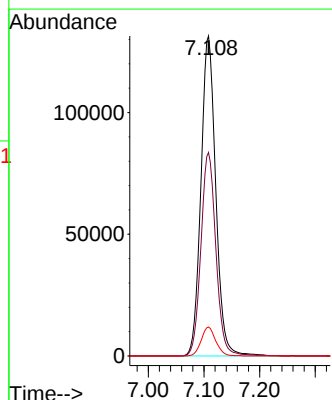
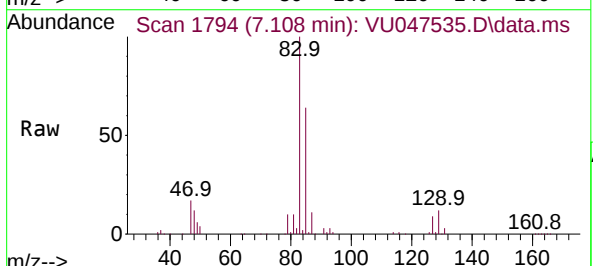
Tgt Ion: 83 Resp: 243639

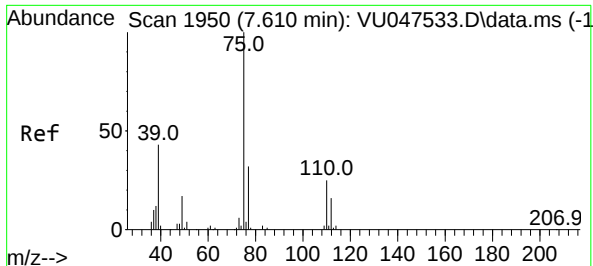
Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.0

127 9.1 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 21.481 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

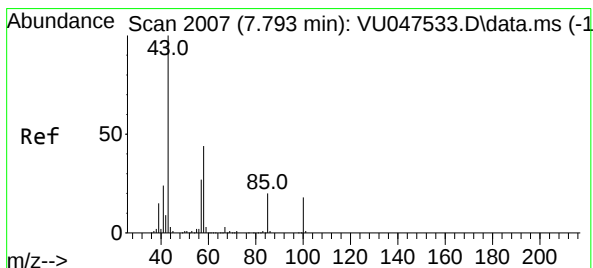
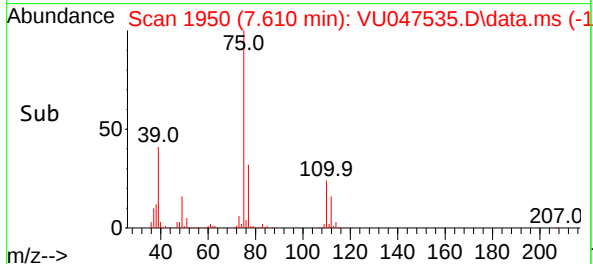
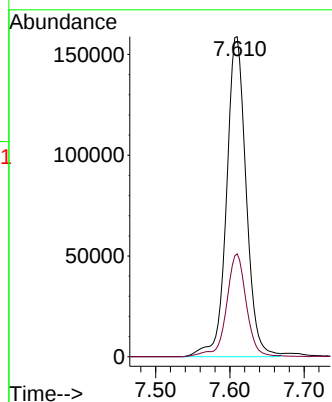
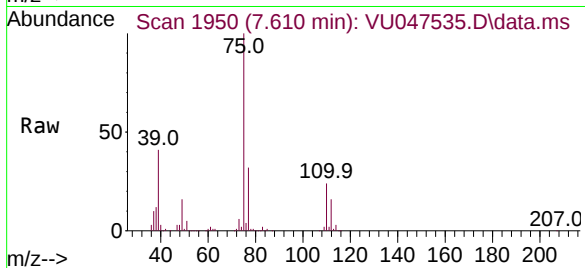
VSTD020023

Tgt Ion: 75 Resp: 291225

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 213.460 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

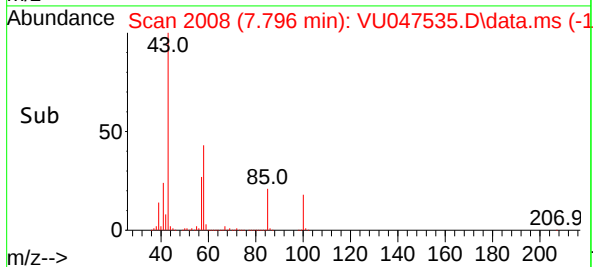
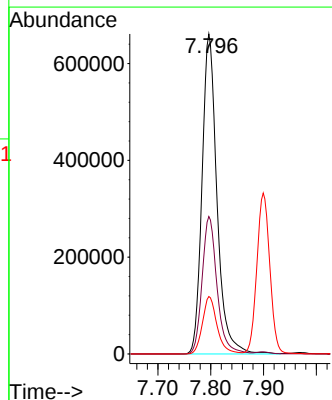
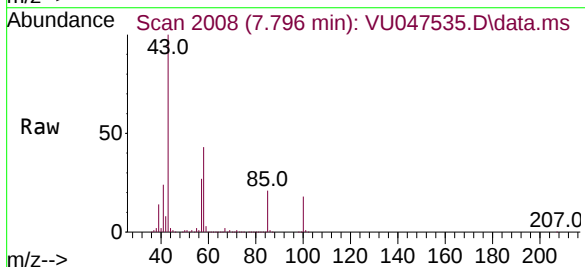
Tgt Ion: 43 Resp: 1298107

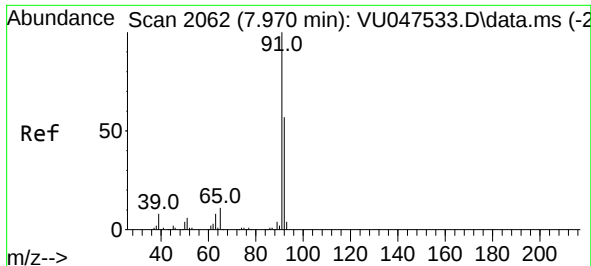
Ion Ratio Lower Upper

43 100

58 43.0 34.5 51.7

100 17.6 13.8 20.6





#42

Toluene

Concen: 21.045 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

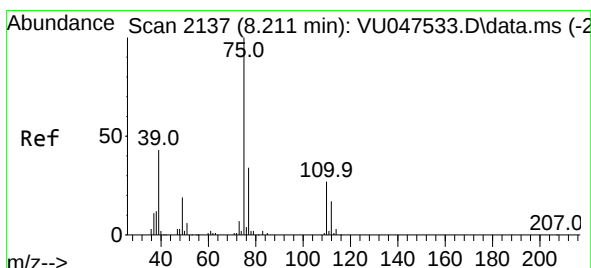
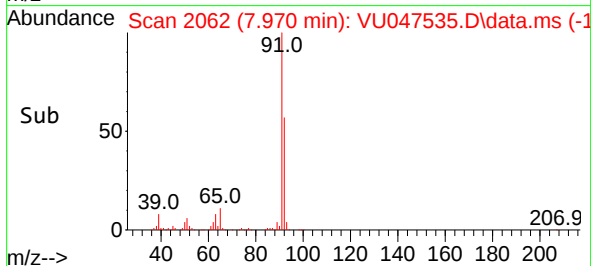
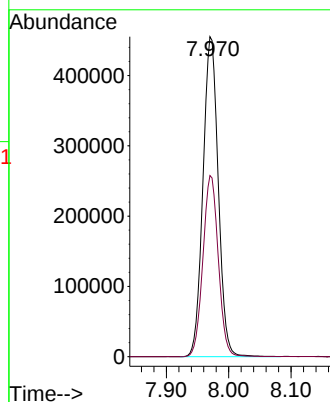
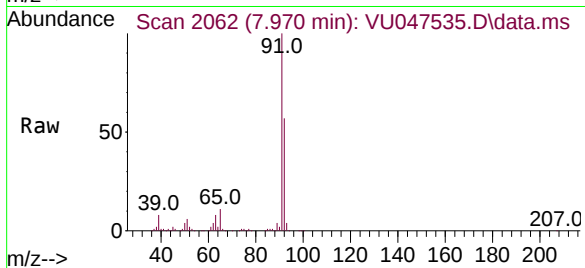
VSTD020023

Tgt Ion: 91 Resp: 776707

Ion Ratio Lower Upper

91 100

92 56.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 21.766 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047535.D

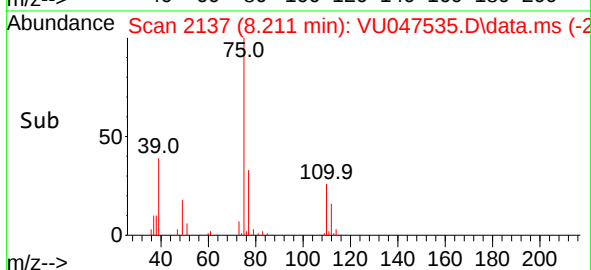
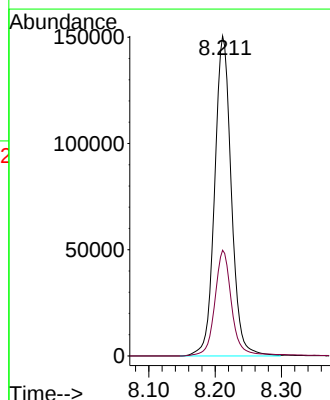
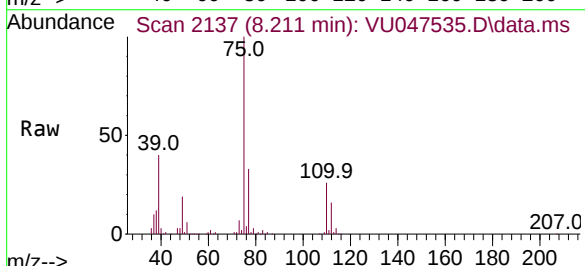
Acq: 14 Mar 2022 14:58

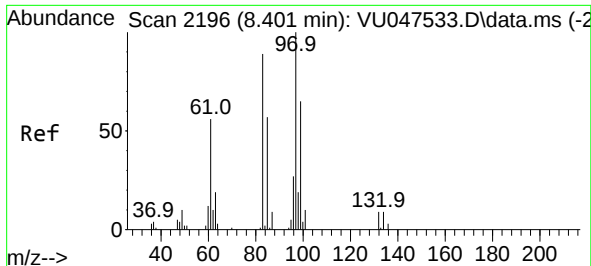
Tgt Ion: 75 Resp: 263240

Ion Ratio Lower Upper

75 100

77 33.1 23.4 43.6



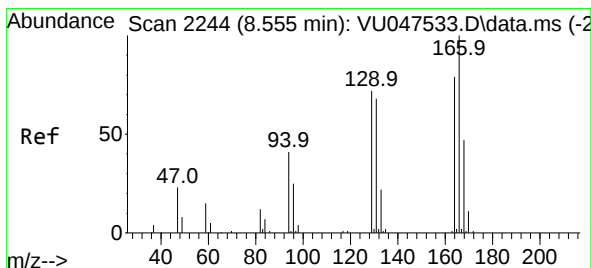
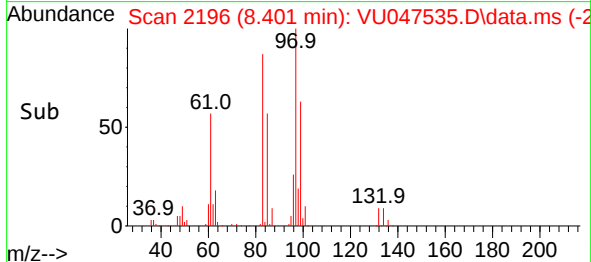
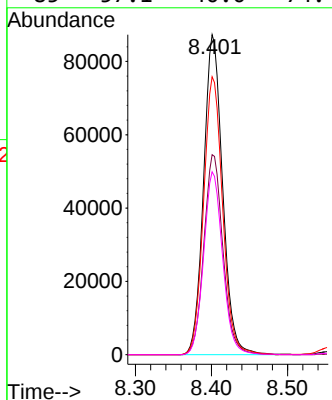
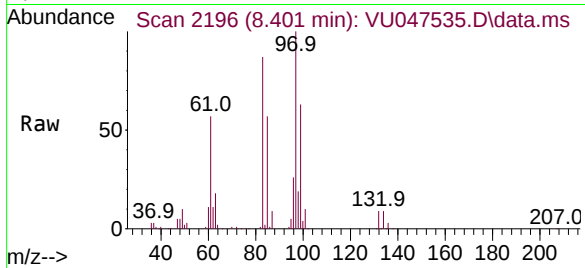


#45
1,1,2-Trichloroethane
Concen: 20.282 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

Tgt Ion: 97 Resp: 151694

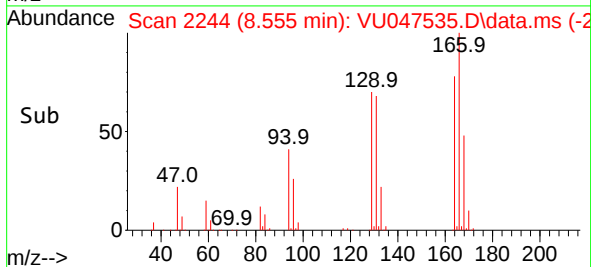
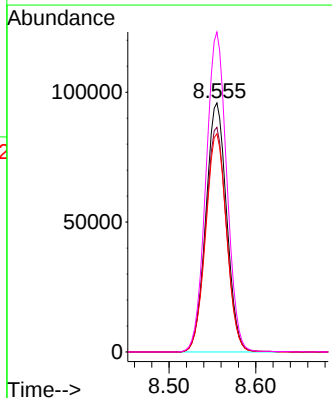
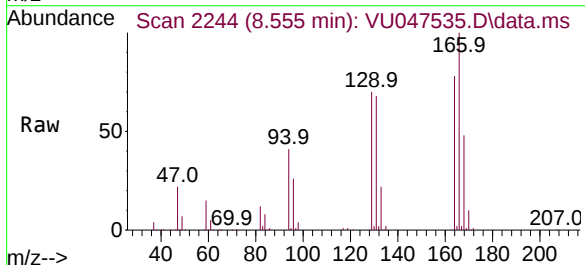
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.3	84.1
83	86.8	62.2	115.6
85	57.1	40.0	74.4

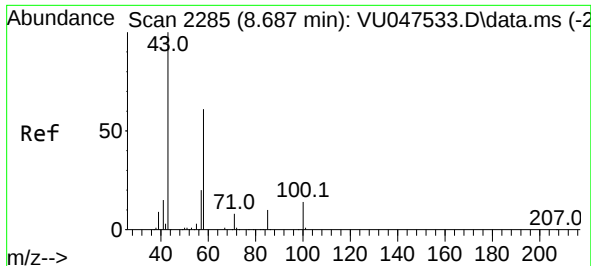


#47
Tetrachloroethene
Concen: 20.860 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 164 Resp: 160513

Ion	Ratio	Lower	Upper
164	100		
129	90.2	63.5	117.9
131	87.6	60.5	112.5
166	128.5	88.5	164.3

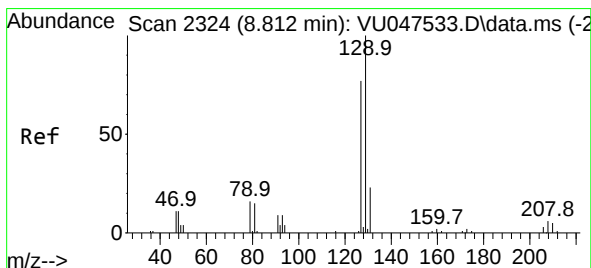
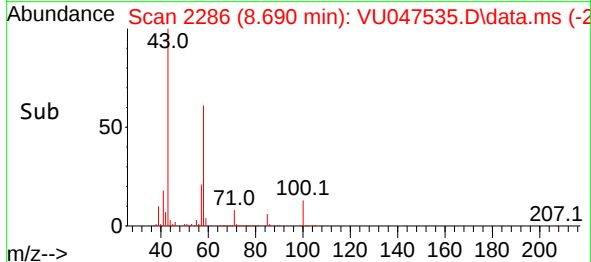
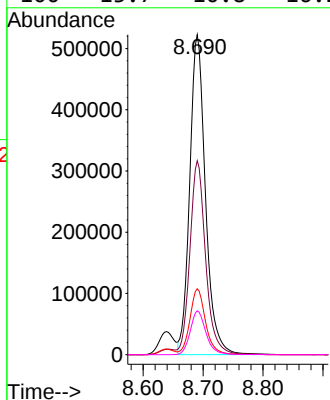
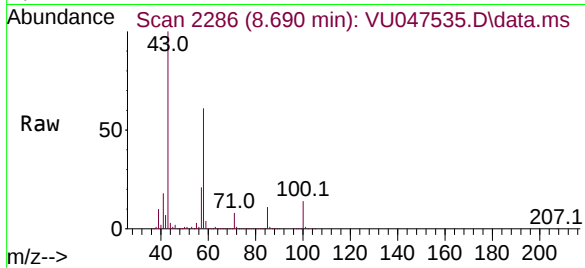




#48
2-Hexanone
Concen: 205.898 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

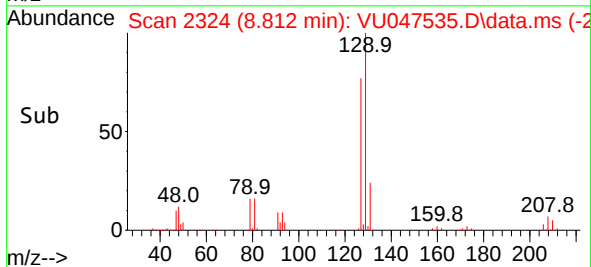
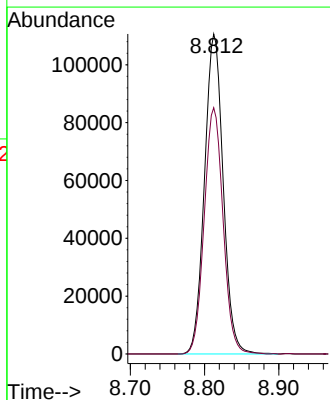
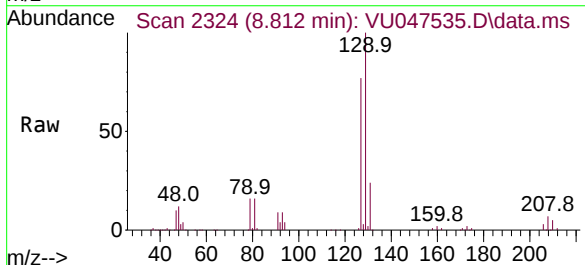
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

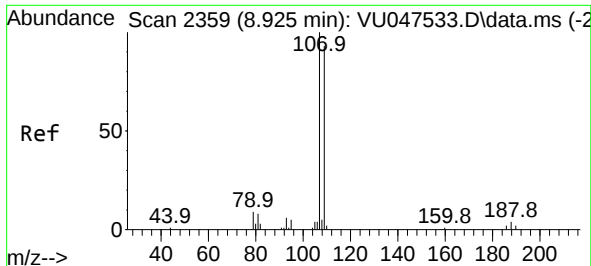
Tgt Ion: 43 Resp: 952941
Ion Ratio Lower Upper
43 100
58 60.7 47.5 71.3
57 20.4 16.0 24.0
100 13.7 10.8 16.2



#49
Dibromochloromethane
Concen: 20.941 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 129 Resp: 192937
Ion Ratio Lower Upper
129 100
127 76.9 53.6 99.6





#50

1,2-Dibromoethane

Concen: 20.555 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

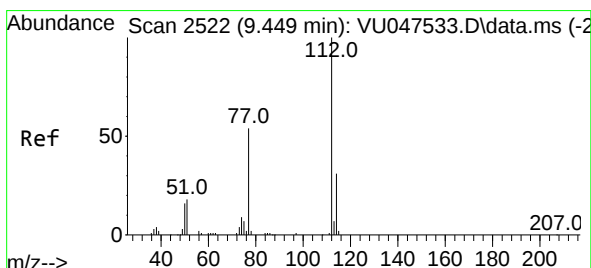
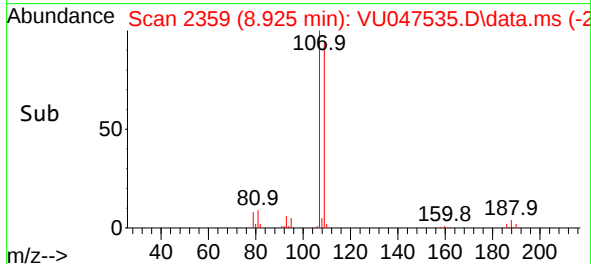
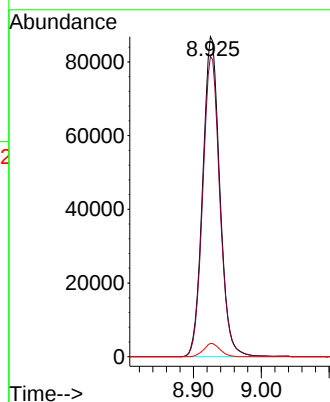
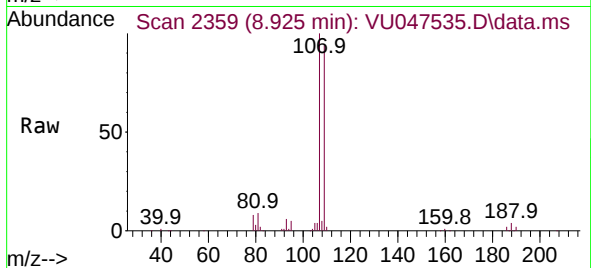
Tgt Ion:107 Resp: 152023

Ion Ratio Lower Upper

107 100

109 93.8 65.3 121.3

188 4.2 3.2 4.8



#51

Chlorobenzene

Concen: 20.615 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

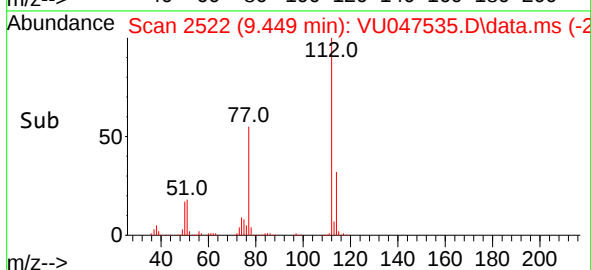
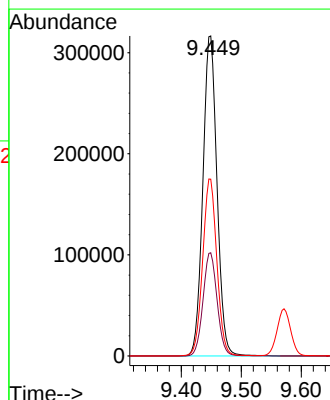
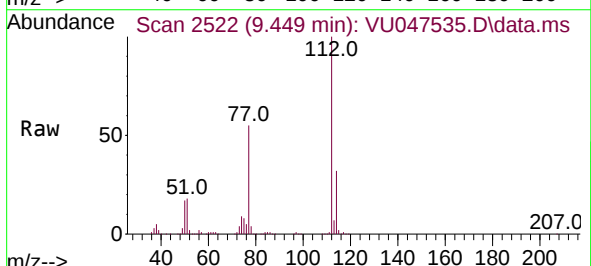
Tgt Ion:112 Resp: 519653

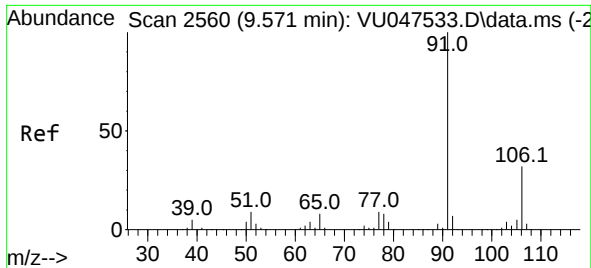
Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

77 55.3 43.7 65.5





#52

Ethylbenzene

Concen: 21.811 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

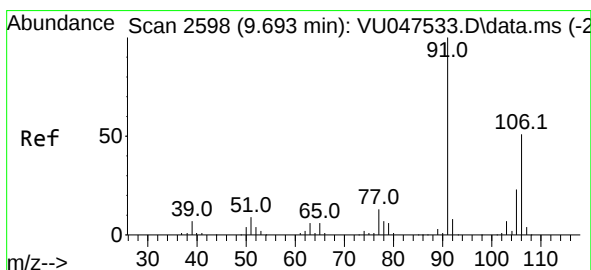
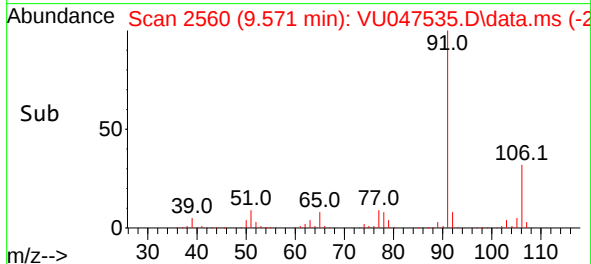
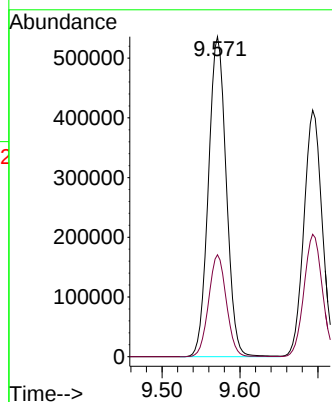
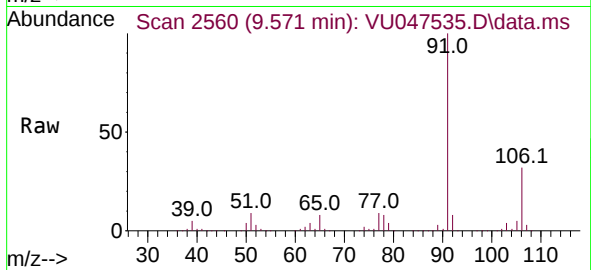
VSTD020023

Tgt Ion: 91 Resp: 852538

Ion Ratio Lower Upper

91 100

106 31.9 22.2 41.2



#53

m,p-Xylene

Concen: 22.306 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU047535.D

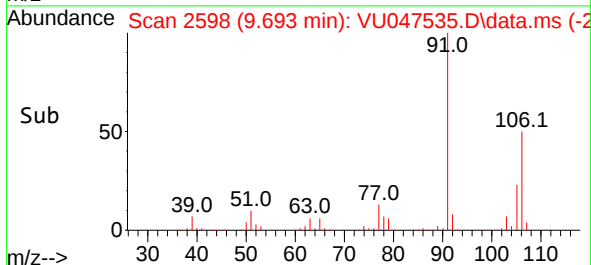
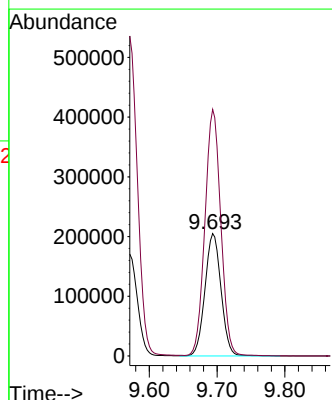
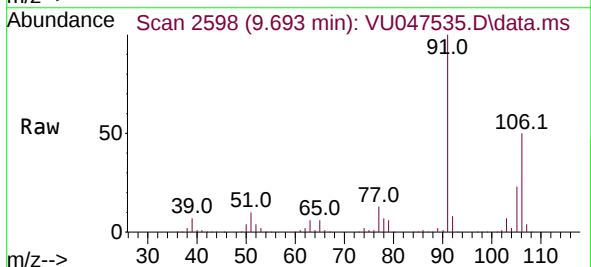
Acq: 14 Mar 2022 14:58

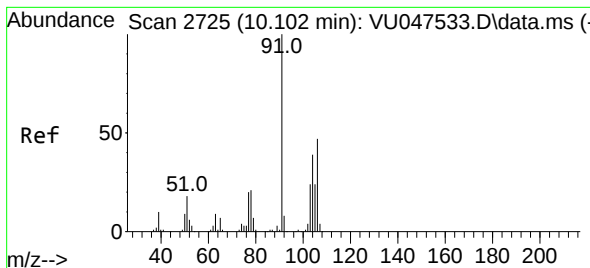
Tgt Ion:106 Resp: 337105

Ion Ratio Lower Upper

106 100

91 201.3 136.6 253.8





#54

o-Xylene

Concen: 22.098 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

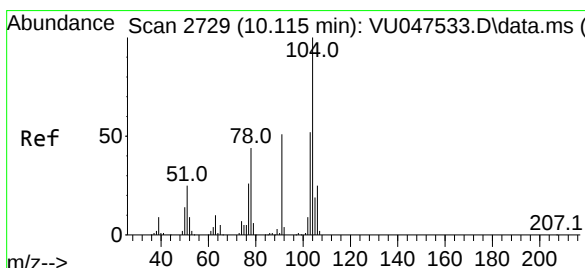
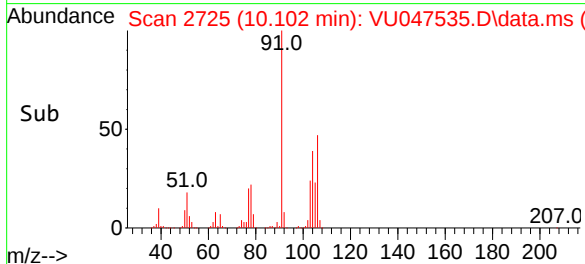
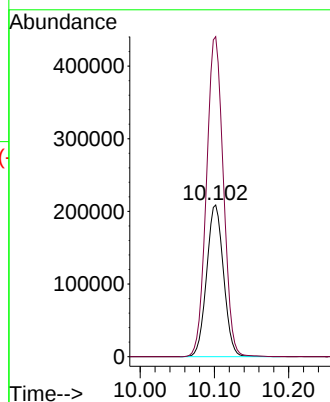
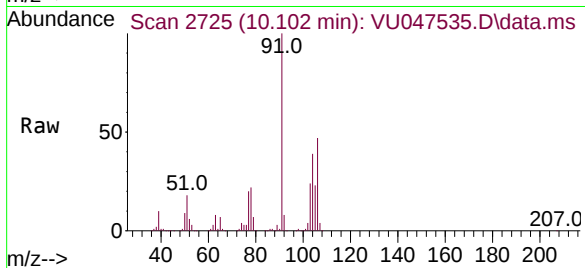
VSTD020023

Tgt Ion:106 Resp: 329922

Ion Ratio Lower Upper

106 100

91 210.9 148.5 275.9



#55

Styrene

Concen: 22.874 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU047535.D

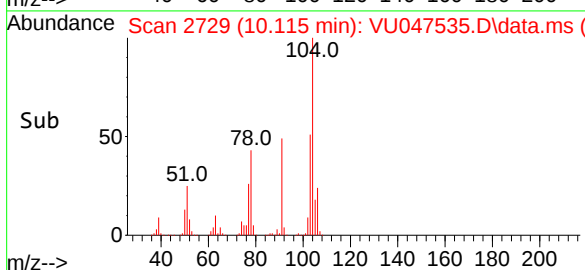
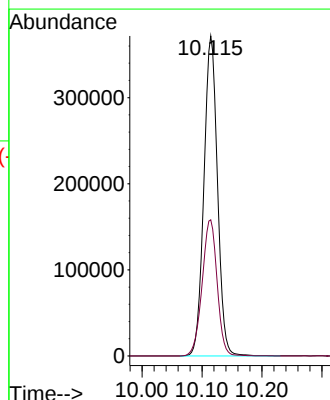
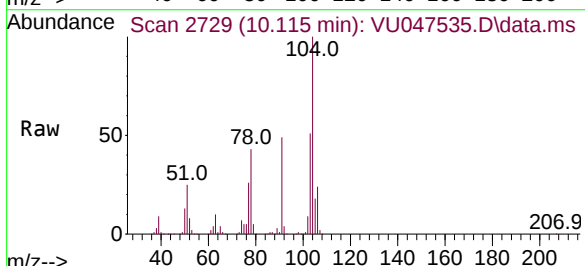
Acq: 14 Mar 2022 14:58

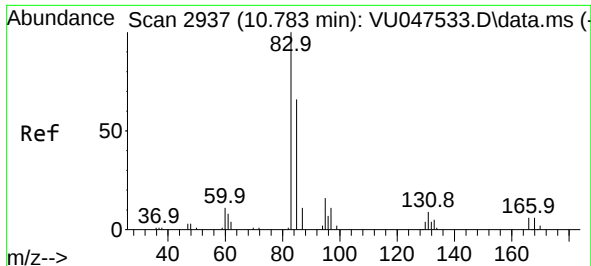
Tgt Ion:104 Resp: 586509

Ion Ratio Lower Upper

104 100

78 42.6 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 21.344 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

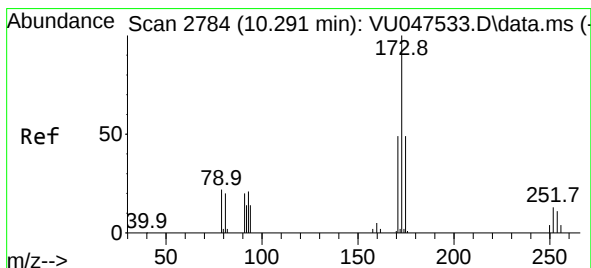
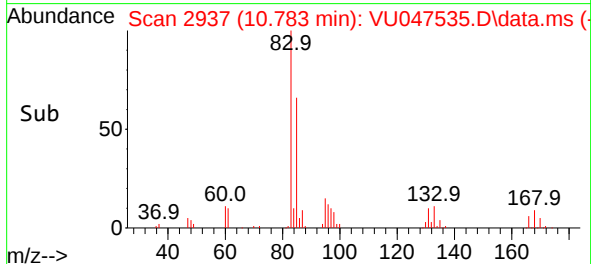
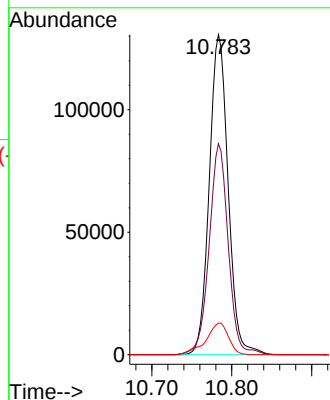
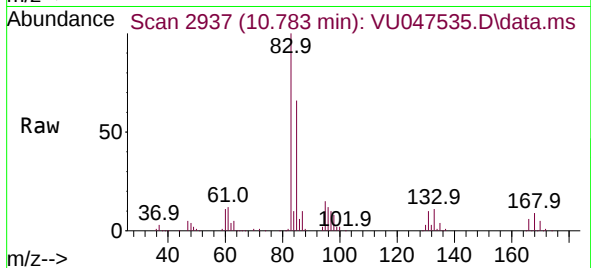
Tgt Ion: 83 Resp: 214025

Ion Ratio Lower Upper

83 100

85 66.0 46.7 86.7

131 9.9 8.0 12.0



#59

Bromoform

Concen: 20.825 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

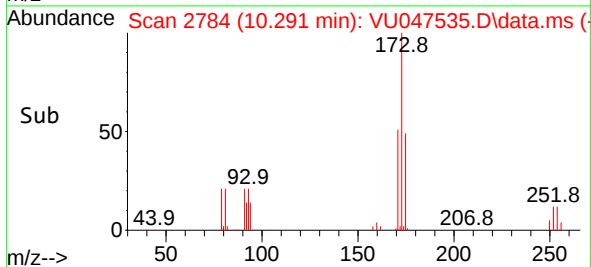
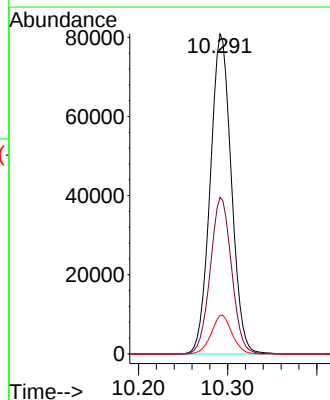
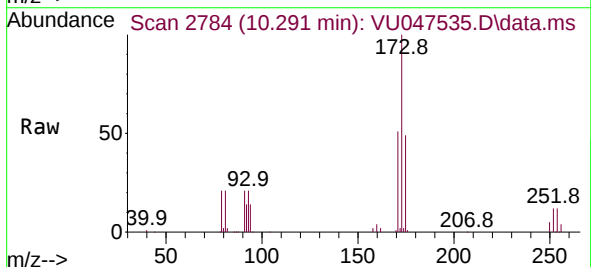
Tgt Ion:173 Resp: 132793

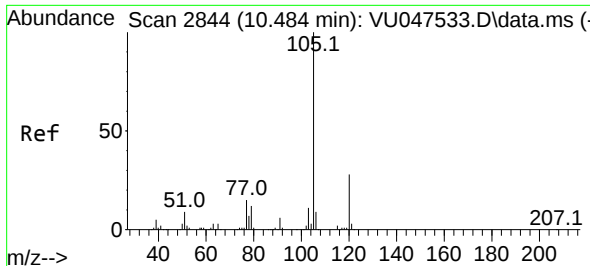
Ion Ratio Lower Upper

173 100

175 49.3 39.7 59.5

254 11.9 9.0 13.6

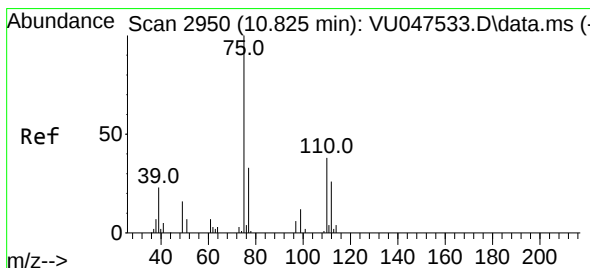
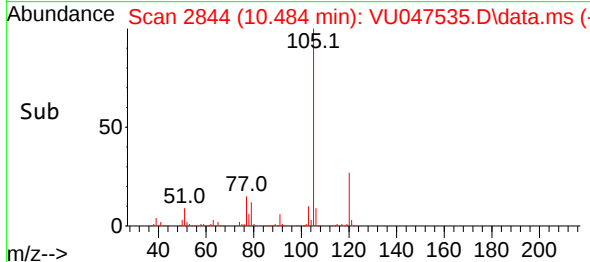
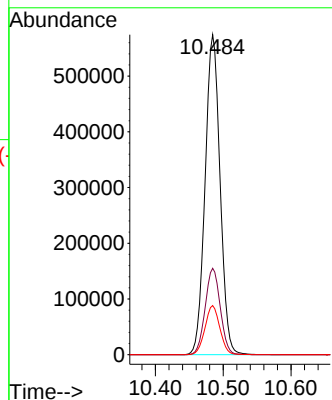
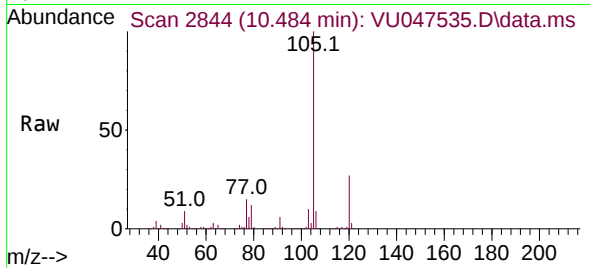




#60
Isopropylbenzene
Concen: 21.548 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

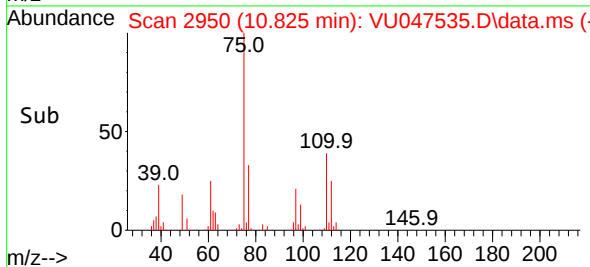
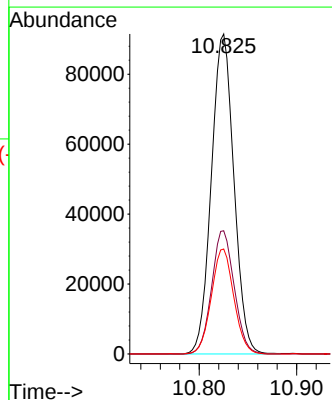
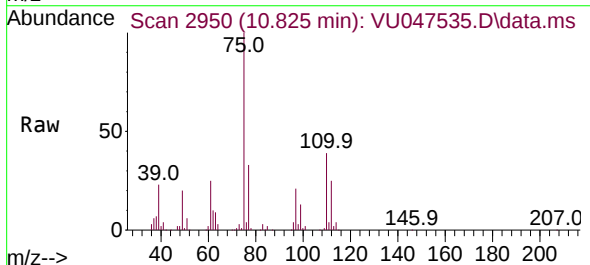
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

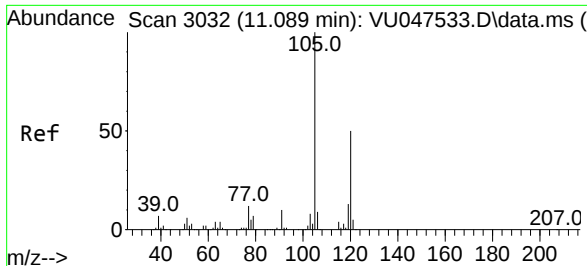
Tgt Ion:105 Resp: 879869
Ion Ratio Lower Upper
105 100
120 27.2 22.2 33.4
77 15.3 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 19.421 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 75 Resp: 147238
Ion Ratio Lower Upper
75 100
110 38.5 30.2 45.4
77 32.7 26.6 39.8

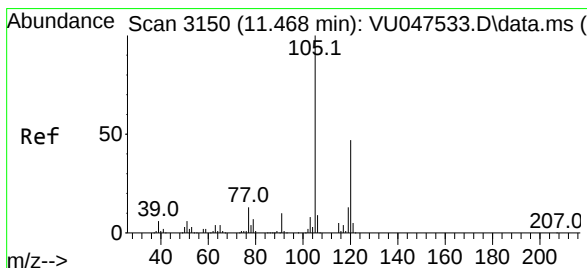
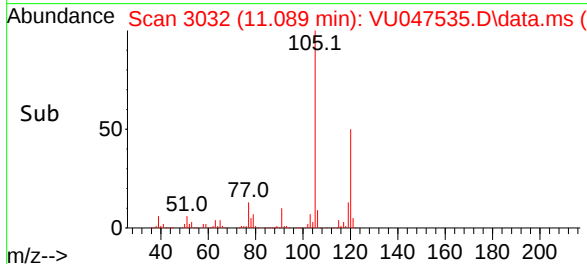
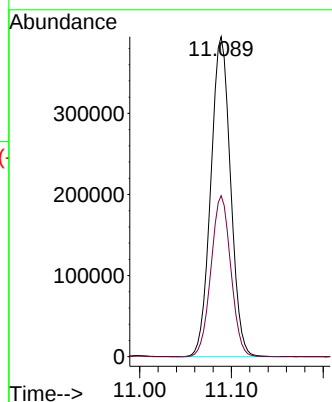
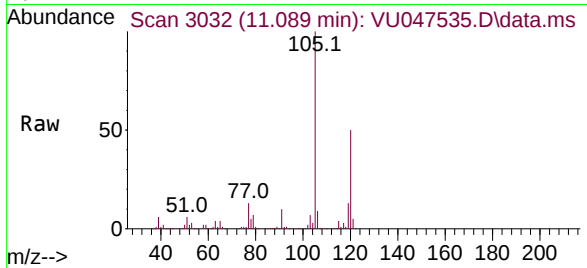




#62
 1,3,5-Trimethylbenzene
 Concen: 22.652 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

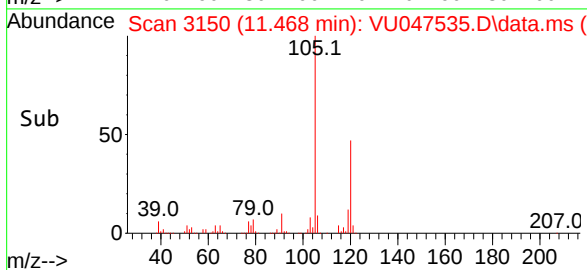
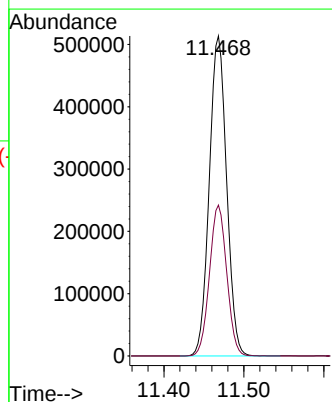
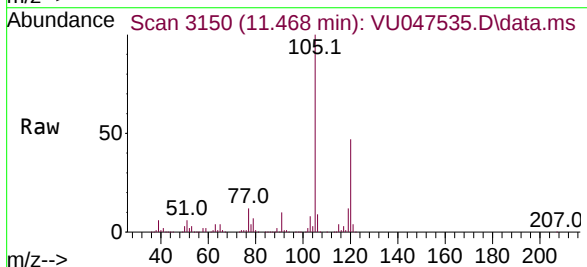
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

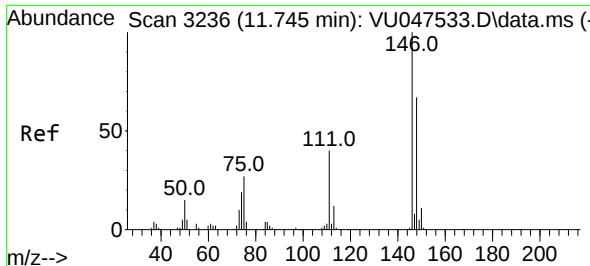
Tgt Ion:105 Resp: 590567
 Ion Ratio Lower Upper
 105 100
 120 50.4 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 22.821 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

Tgt Ion:105 Resp: 772294
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.2 57.4

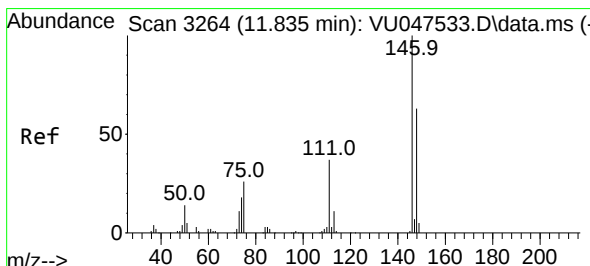
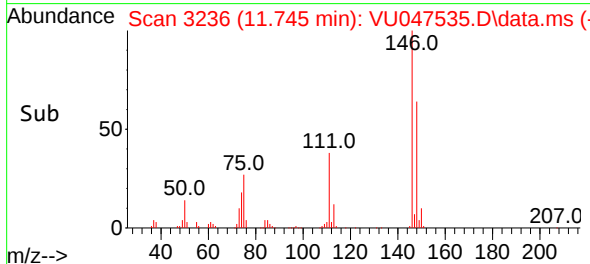
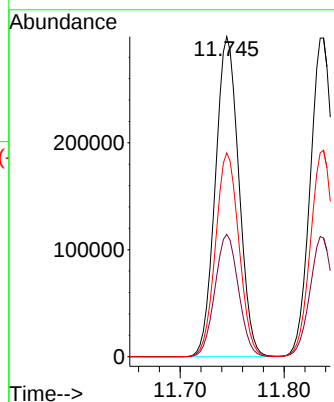
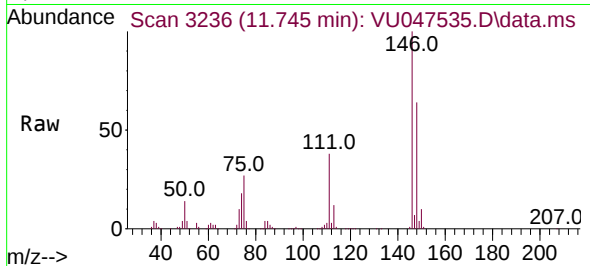




#64
1,3-Dichlorobenzene
Concen: 20.657 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

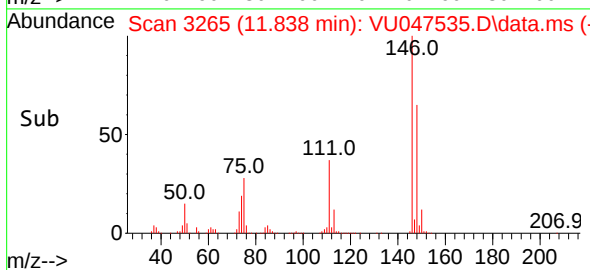
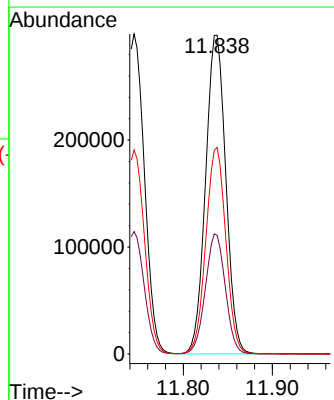
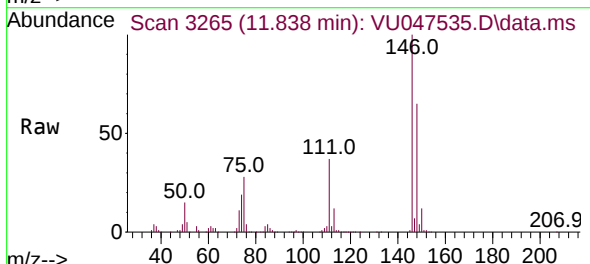
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

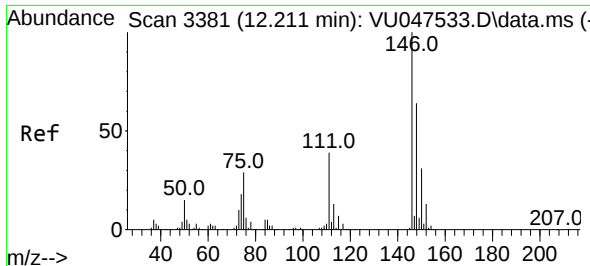
Tgt Ion:146 Resp: 470419
Ion Ratio Lower Upper
146 100
111 38.3 27.7 51.5
148 63.7 46.5 86.5



#65
1,4-Dichlorobenzene
Concen: 20.152 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047535.D
Acq: 14 Mar 2022 14:58

Tgt Ion:146 Resp: 468812
Ion Ratio Lower Upper
146 100
111 37.2 26.2 48.8
148 64.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 20.119 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

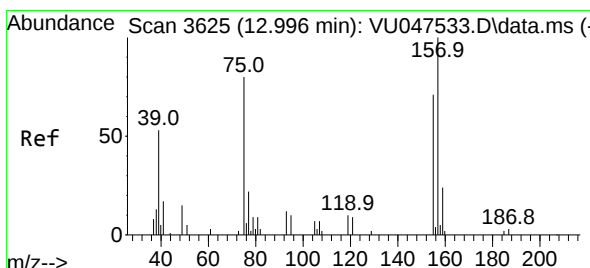
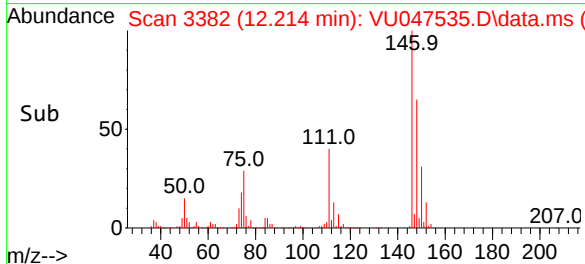
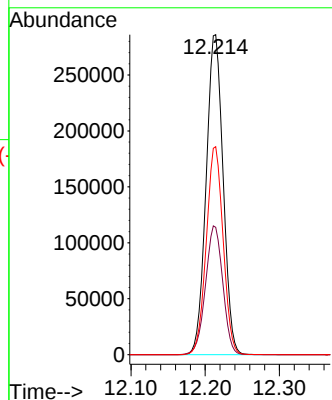
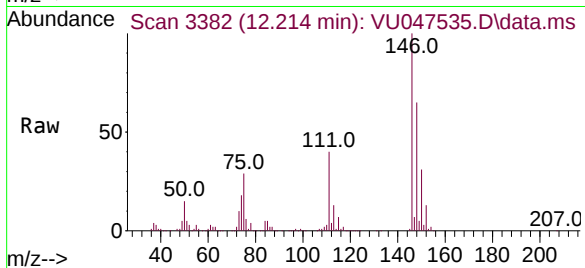
Tgt Ion:146 Resp: 453008

Ion Ratio Lower Upper

146 100

111 39.8 31.4 47.0

148 65.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 19.381 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

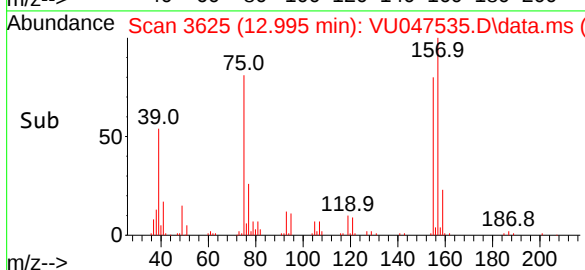
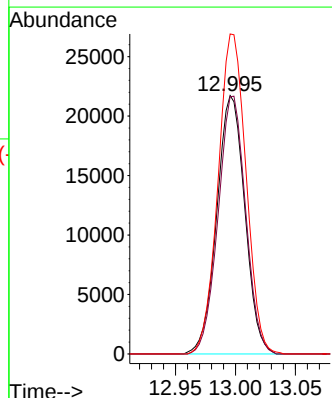
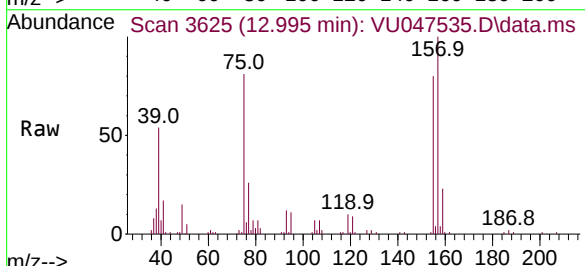
Tgt Ion: 75 Resp: 35249

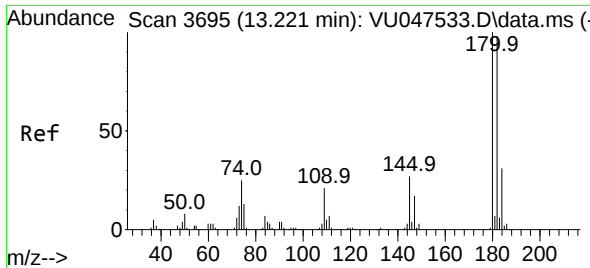
Ion Ratio Lower Upper

75 100

155 99.6 70.8 106.2

157 123.8 99.4 149.2

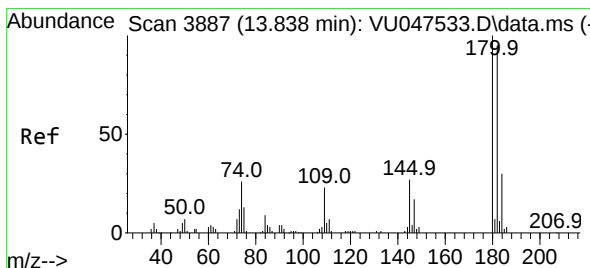
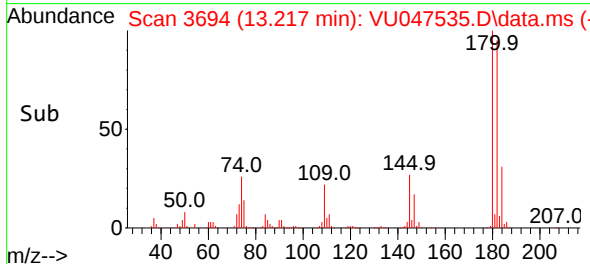
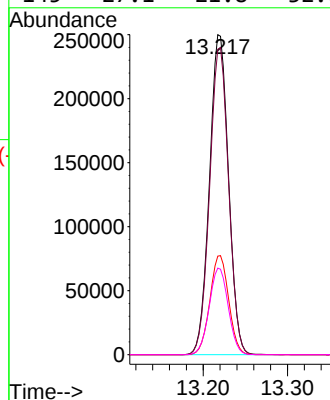
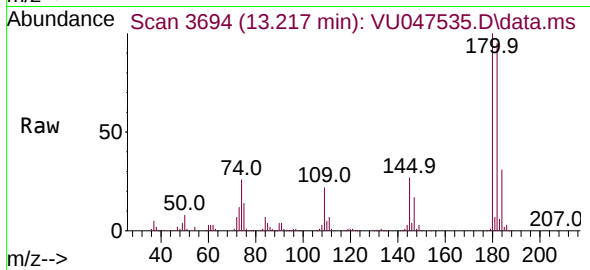




#69
 1,3,5-Trichlorobenzene
 Concen: 20.390 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

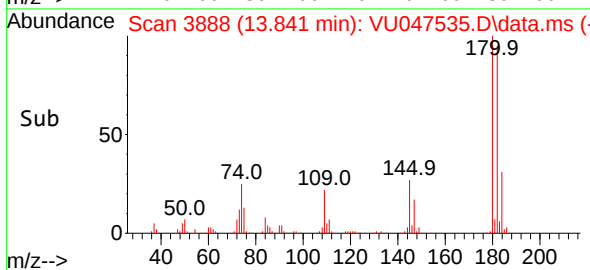
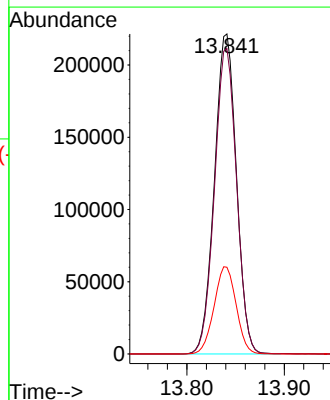
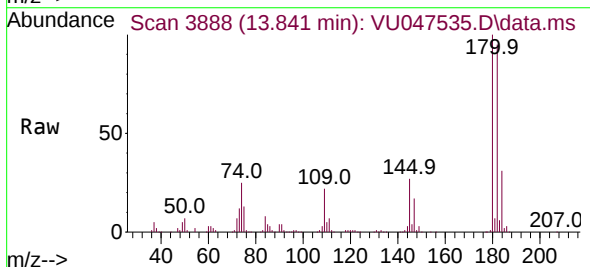
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

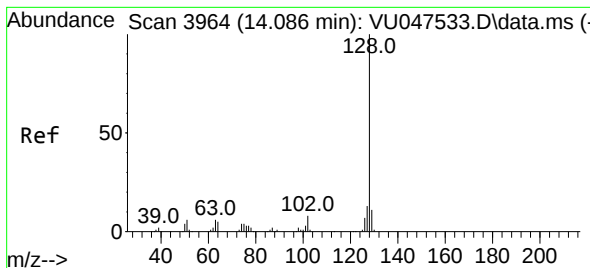
Tgt Ion:180	Resp:	392535
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.3 115.9
184	30.6	24.3 36.5
145	27.1	21.8 32.6



#70
 1,2,4-trichlorobenzene
 Concen: 20.519 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU047535.D
 Acq: 14 Mar 2022 14:58

Tgt Ion:180	Resp:	347497
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.6 114.8
145	27.4	22.5 33.7





#71

Naphthalene

Concen: 20.476 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

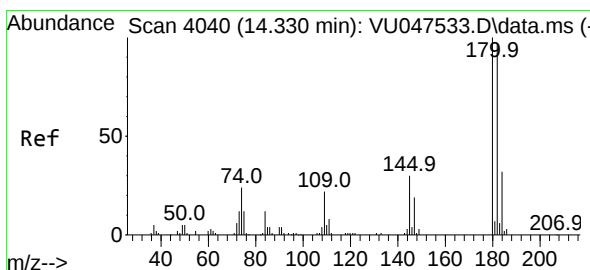
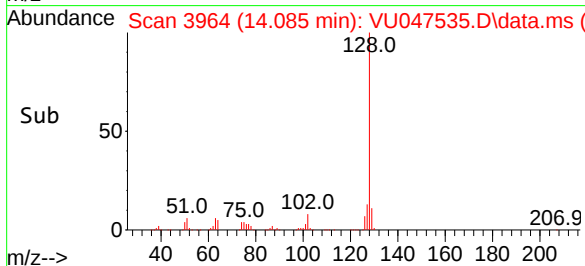
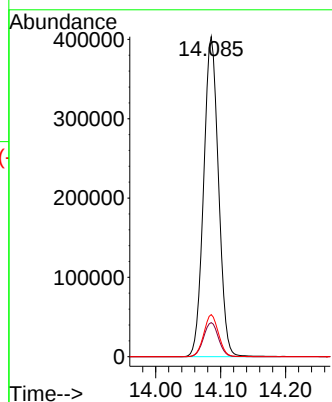
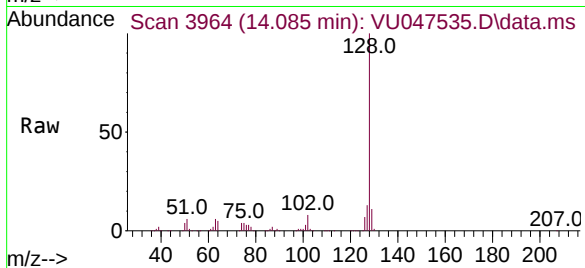
Tgt Ion:128 Resp: 643634

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 19.557 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU047535.D

Acq: 14 Mar 2022 14:58

Tgt Ion:180 Resp: 317835

Ion Ratio Lower Upper

180 100

182 96.0 77.8 116.8

145 29.6 23.7 35.5

