

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031422\
 Data File : VU047539.D
 Acq On : 14 Mar 2022 16:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005100

Quant Time: Mar 15 05:38:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 15 05:33:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	156208	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	149779	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84593	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	46433	4.545	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.919	69	42527	4.587	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.571	65	20987	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.642	46	147720	50.254	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.500%
24) Chloroform-d	5.070	84	104243	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.706	65	56573	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.732	84	203726	4.673	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.694	67	65255	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.899	98	191213	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.182	79	27815	4.825	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.636	63	144811	48.461	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	64394	4.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	81815	4.628	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	50481	5.253	ug/L	97
3) Chloromethane	1.523	50	45969	4.877	ug/L	99
5) Vinyl chloride	1.607	62	48042	4.942	ug/L	99
6) Bromomethane	1.864	94	23636	5.168	ug/L	99
8) Chloroethane	1.938	64	29142	4.961	ug/L	98
9) Trichlorofluoromethane	2.144	101	65458	5.136	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	41614	5.173	ug/L	98
12) 1,1-Dichloroethene	2.588	96	39628	5.092	ug/L	86
13) Acetone	2.662	43	61427	53.596	ug/L	99
14) Carbon disulfide	2.800	76	112250	4.795	ug/L	100
15) Methyl Acetate	2.967	43	17074	5.397	ug/L	96
16) Methylene chloride	3.051	84	47280	4.118	ug/L	97
17) Methyl tert-butyl Ether	3.369	73	101373	5.077	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	41482	4.959	ug/L	98
19) 1,1-Dichloroethane	3.877	63	73487	4.994	ug/L	98
21) 2-Butanone	4.726	43	111477	51.123	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	46963	5.060	ug/L	97
23) Bromochloromethane	4.980	128	23068	4.898	ug/L	94
25) Chloroform	5.092	83	79428	4.910	ug/L	98

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005100

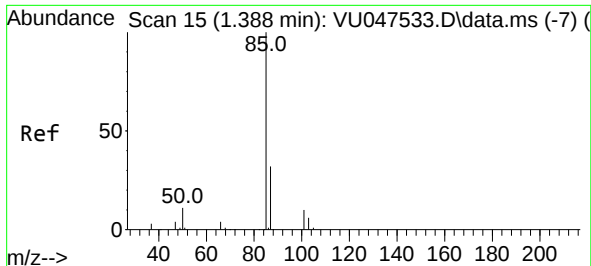
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 15 05:33:43 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	51444	4.971	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	67875	5.096	ug/L	99
30) Cyclohexane	5.395	56	62094	5.399	ug/L	97
31) Carbon tetrachloride	5.530	117	61289	5.231	ug/L	100
33) Benzene	5.777	78	175420	5.184	ug/L	100
34) Trichloroethene	6.546	95	46610	5.198	ug/L	98
35) Methylcyclohexane	6.767	83	70457	5.459	ug/L	99
37) 1,2-Dichloropropane	6.793	63	44431	5.123	ug/L	100
38) Bromodichloromethane	7.108	83	60468	5.063	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	68154	5.057	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	305882	50.599	ug/L	100
42) Toluene	7.970	91	192430	5.245	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	63053	5.245	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	37764	5.079	ug/L	95
47) Tetrachloroethene	8.555	164	39931	5.220	ug/L	99
48) 2-Hexanone	8.687	43	225819	49.082	ug/L	98
49) Dibromochloromethane	8.812	129	47273	5.162	ug/L	98
50) 1,2-Dibromoethane	8.925	107	37263	5.068	ug/L	98
51) Chlorobenzene	9.449	112	130078	5.191	ug/L	99
52) Ethylbenzene	9.571	91	203741	5.243	ug/L	99
53) m,p-Xylene	9.693	106	80697	5.371	ug/L	95
54) o-Xylene	10.102	106	79016	5.324	ug/L	95
55) Styrene	10.115	104	135458	5.314	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	51393	5.156	ug/L	96
59) Bromoform	10.291	173	30724	5.148	ug/L	99
60) Isopropylbenzene	10.484	105	204865	5.361	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	34731	4.895	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	130125	5.333	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	171173	5.405	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	112289	5.269	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	111970	5.143	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	107696	5.111	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	8160	4.794	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	92242	5.120	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	80130	5.056	ug/L	100
71) Naphthalene	14.086	128	137154	4.662	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	75919	4.992	ug/L	98

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

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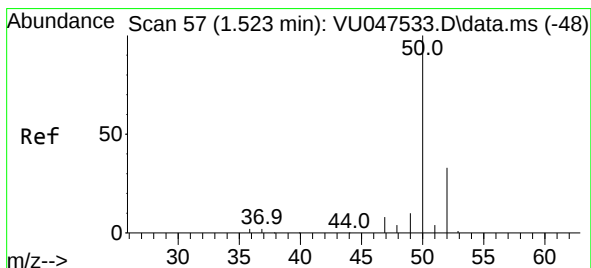
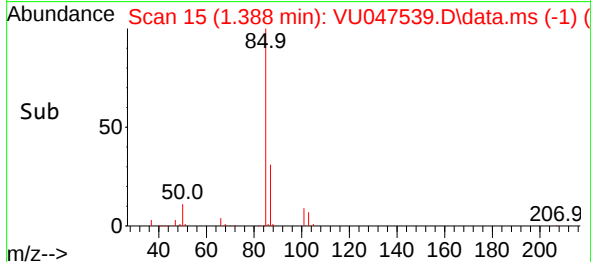
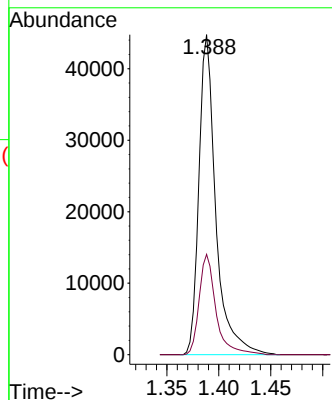
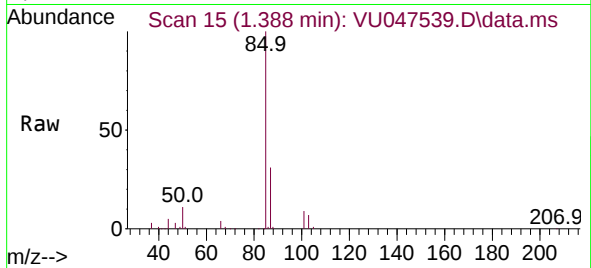




#2
Dichlorodifluoromethane
Concen: 5.253 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

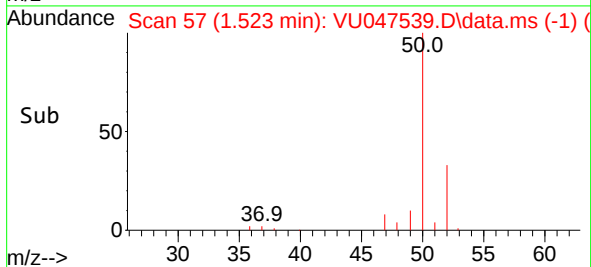
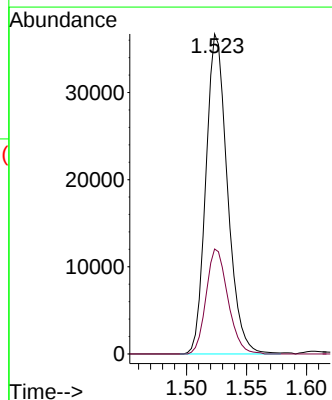
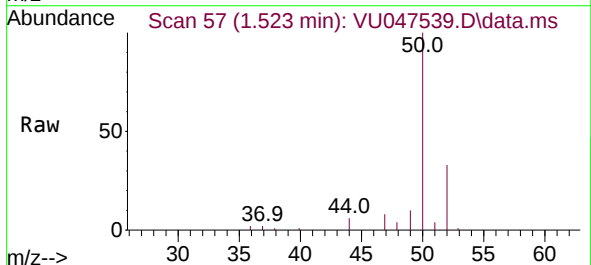
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

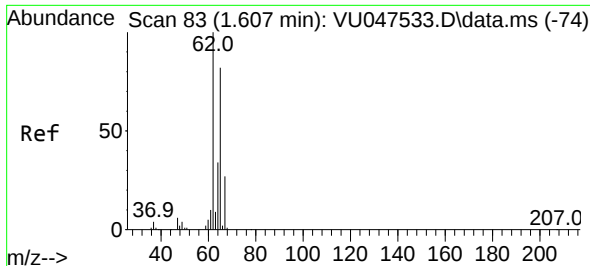
Tgt Ion: 85 Resp: 50481
Ion Ratio Lower Upper
85 100
87 31.3 26.2 39.4



#3
Chloromethane
Concen: 4.877 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 50 Resp: 45969
Ion Ratio Lower Upper
50 100
52 32.8 23.2 43.0

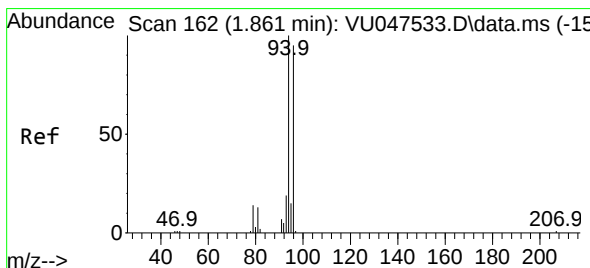
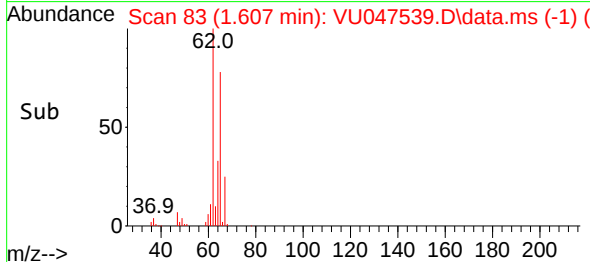
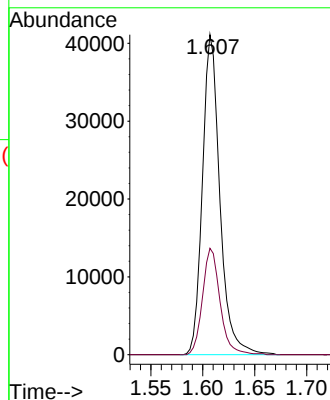
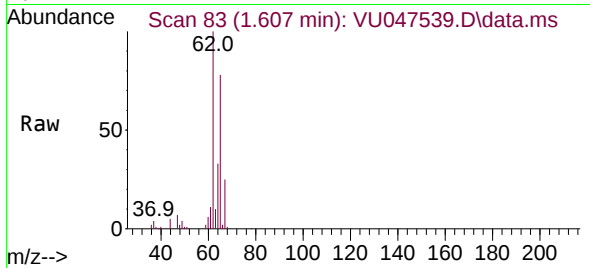




#5
 Vinyl chloride
 Concen: 4.942 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

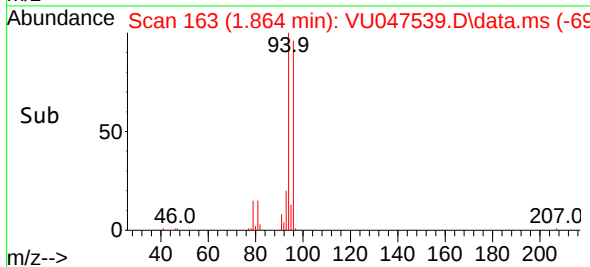
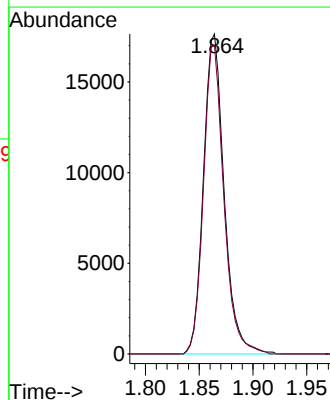
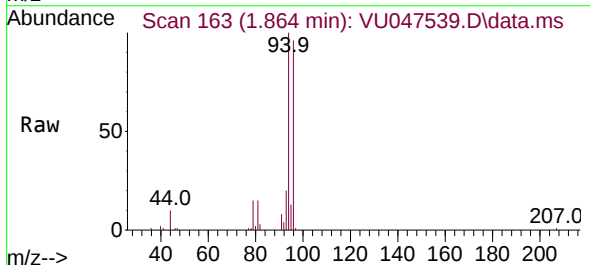
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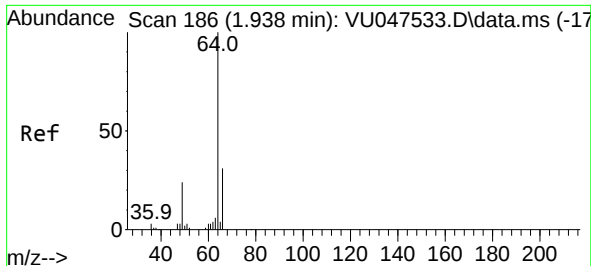
Tgt Ion: 62 Resp: 48042
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.5 43.7



#6
 Bromomethane
 Concen: 5.168 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

Tgt Ion: 94 Resp: 23636
 Ion Ratio Lower Upper
 94 100
 96 96.3 66.5 123.5

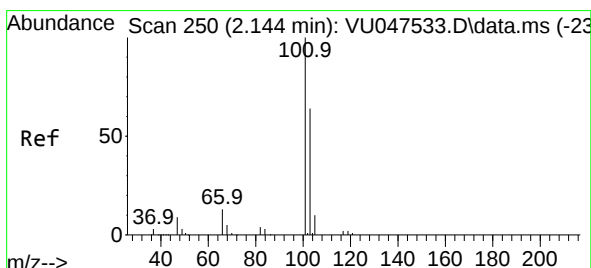
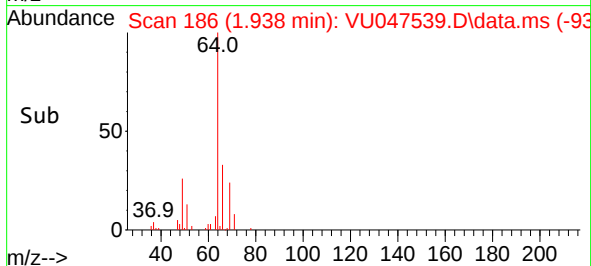
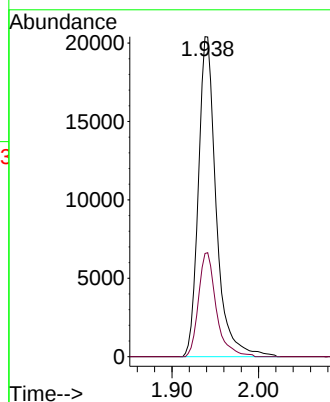
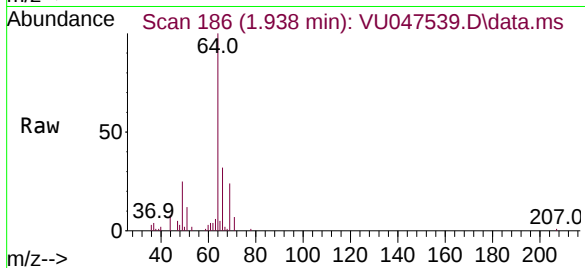




#8
Chloroethane
Concen: 4.961 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

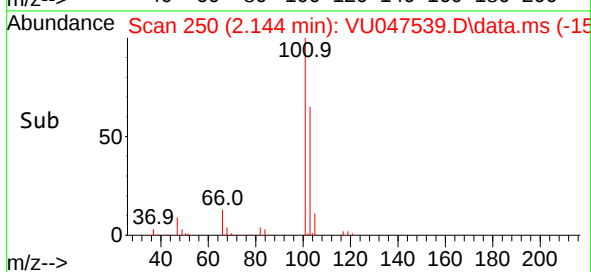
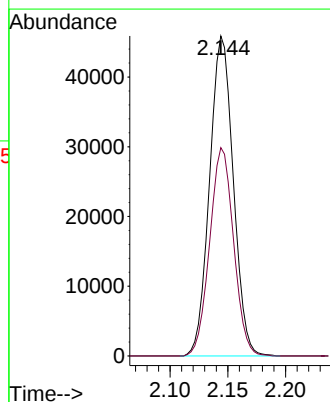
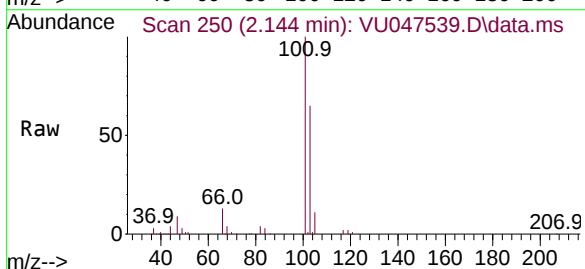
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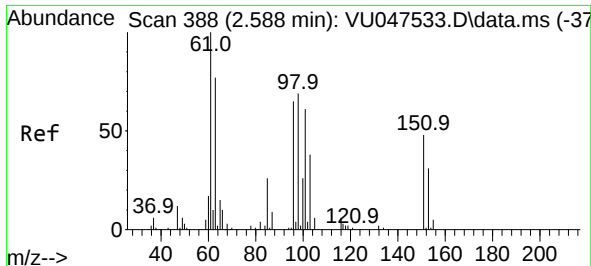
Tgt Ion: 64 Resp: 29142
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.136 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:101 Resp: 65458
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.2

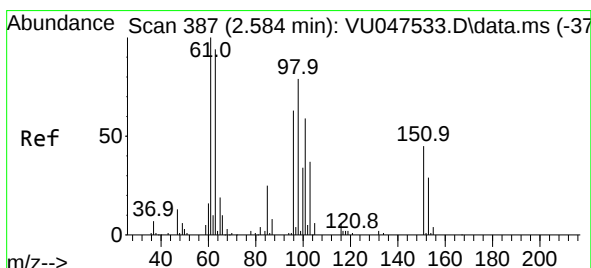
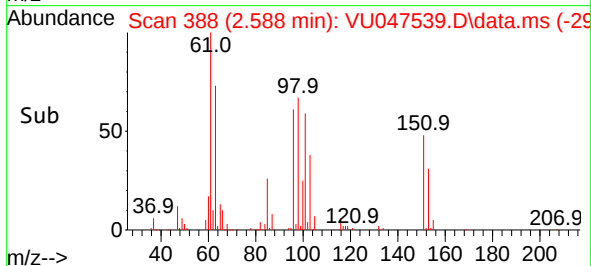
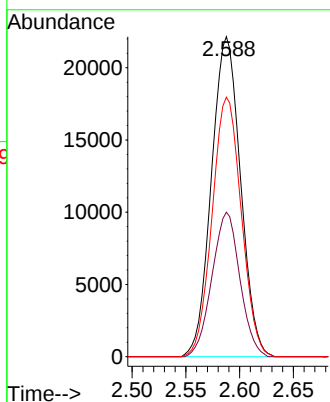
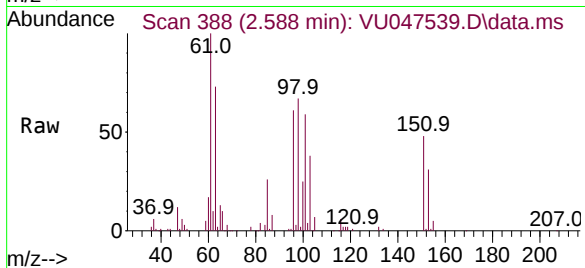




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.173 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

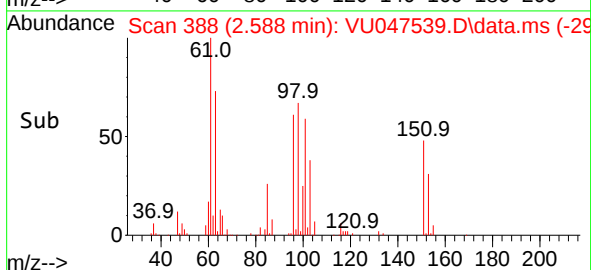
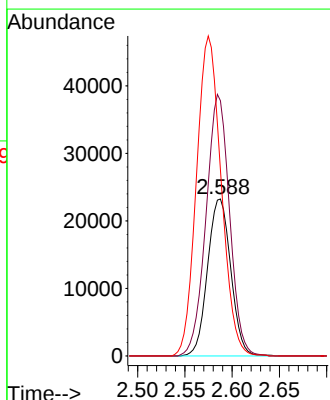
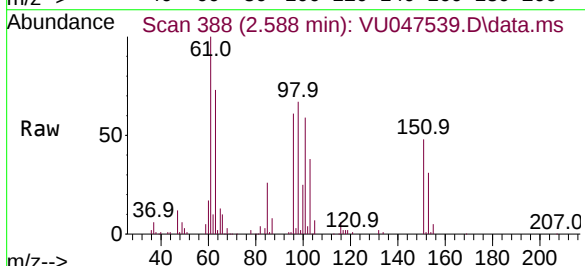
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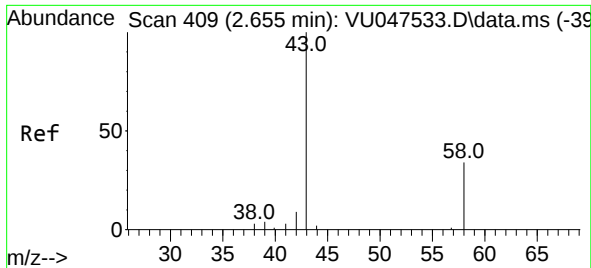
Tgt Ion:101 Resp: 41614
Ion Ratio Lower Upper
101 100
85 43.4 34.0 51.0
151 81.3 63.8 95.6



#12
1,1-Dichloroethene
Concen: 5.092 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 96 Resp: 39628
Ion Ratio Lower Upper
96 100
61 162.6 111.4 207.0
63 118.5 106.6 198.0





#13

Acetone

Concen: 53.596 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

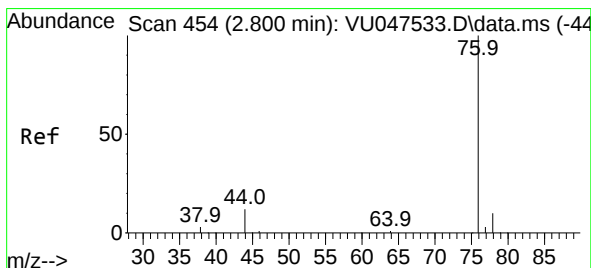
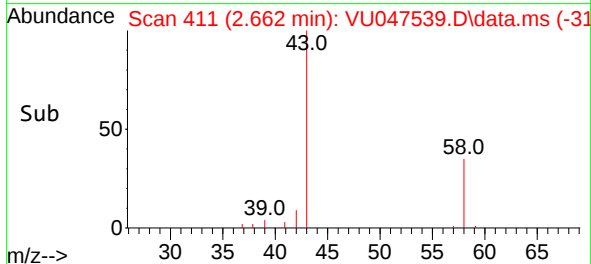
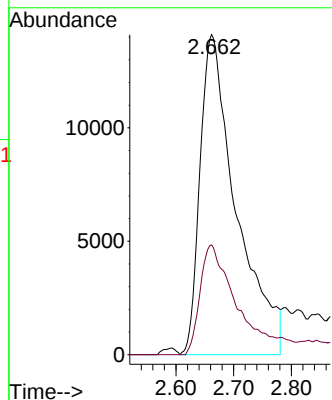
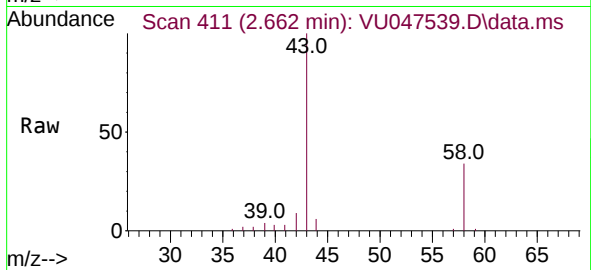
VSTD005100

Tgt Ion: 43 Resp: 61427

Ion Ratio Lower Upper

43 100

58 33.9 0.0 69.4



#14

Carbon disulfide

Concen: 4.795 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047539.D

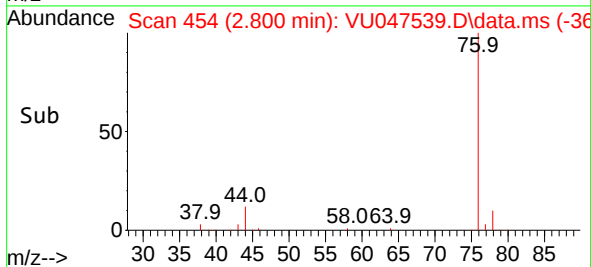
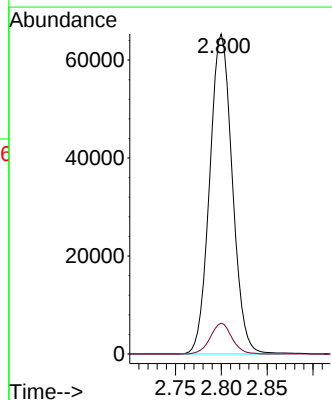
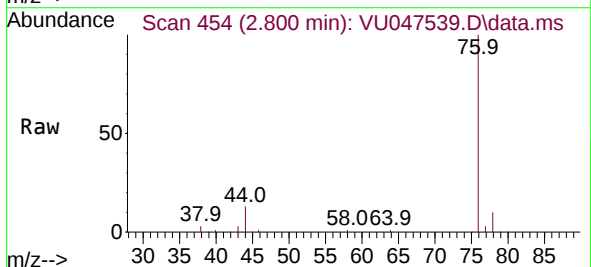
Acq: 14 Mar 2022 16:52

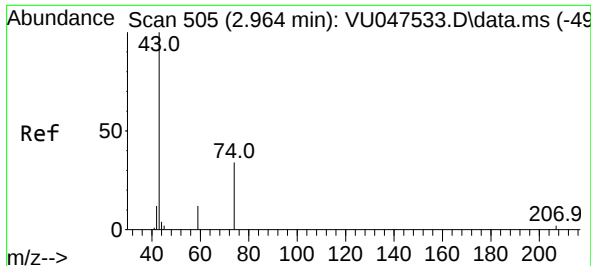
Tgt Ion: 76 Resp: 112250

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

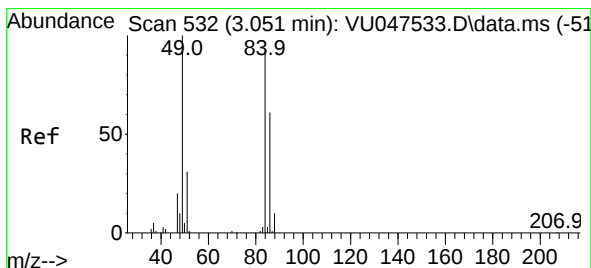
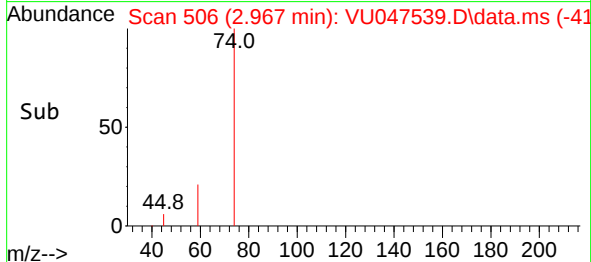
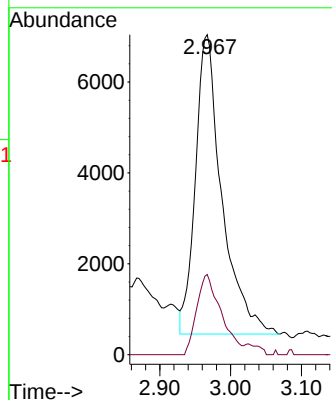
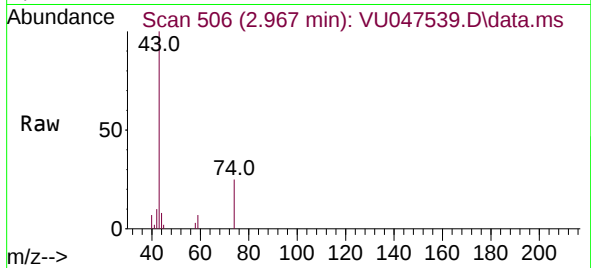




#15
Methyl Acetate
Concen: 5.397 ug/L
RT: 2.967 min Scan# 505
Delta R.T. 0.003 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

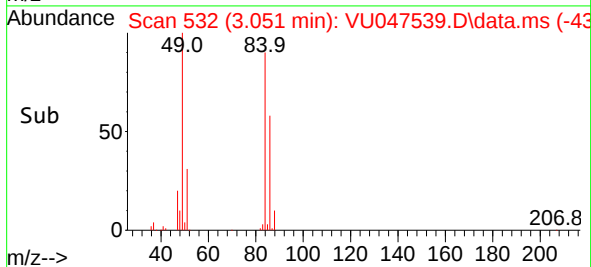
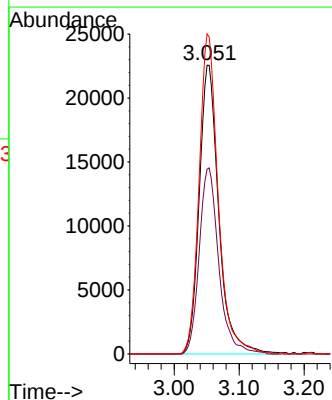
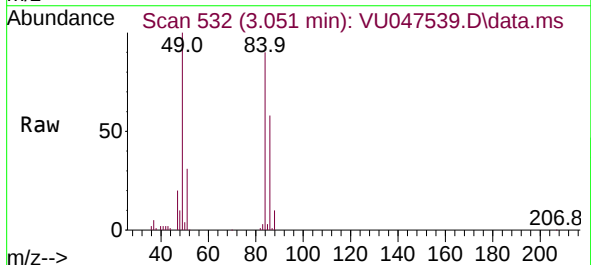
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

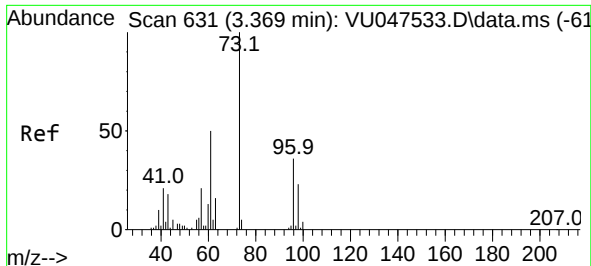
Tgt Ion: 43 Resp: 17074
Ion Ratio Lower Upper
43 100
74 24.9 21.8 32.6



#16
Methylene chloride
Concen: 4.118 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 84 Resp: 47280
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.4
49 110.8 75.0 139.4

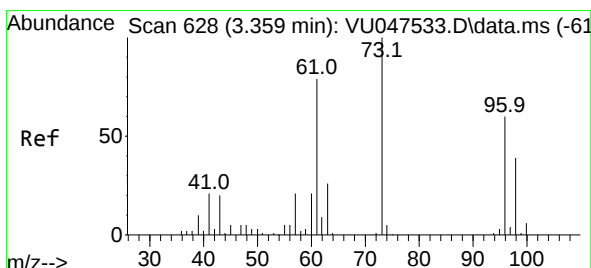
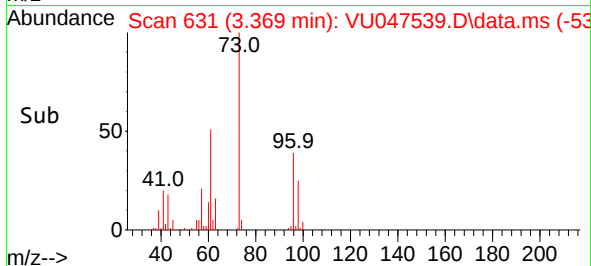
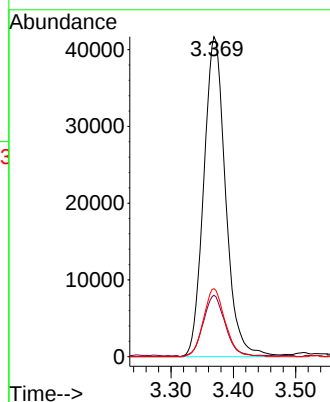
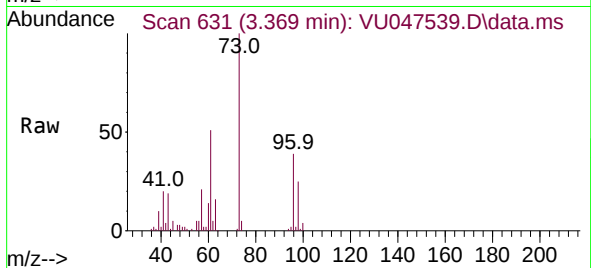




#17
Methyl tert-butyl Ether
Concen: 5.077 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

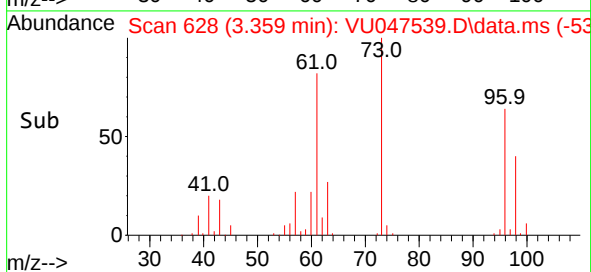
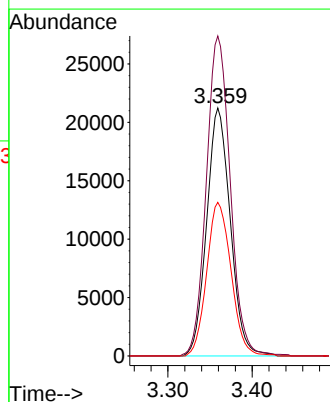
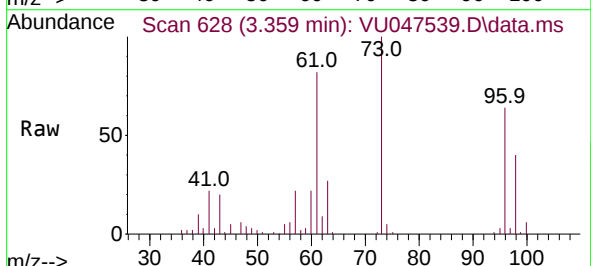
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

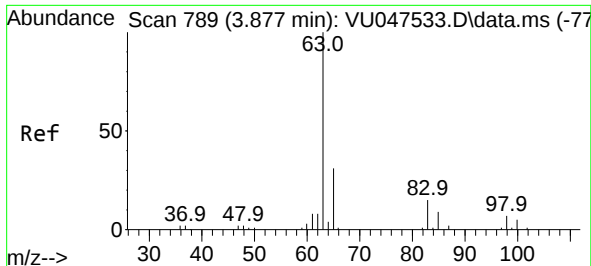
Tgt Ion: 73 Resp: 101373
Ion Ratio Lower Upper
73 100
43 19.4 15.2 22.8
57 21.1 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.959 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 96 Resp: 41482
Ion Ratio Lower Upper
96 100
61 129.1 91.7 170.3
98 62.0 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.994 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

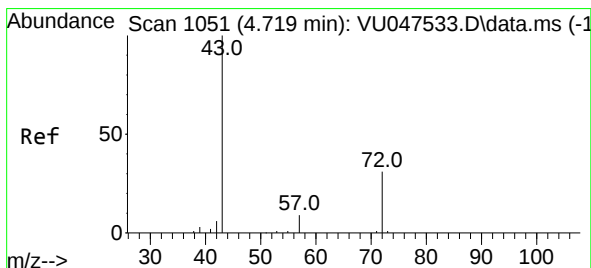
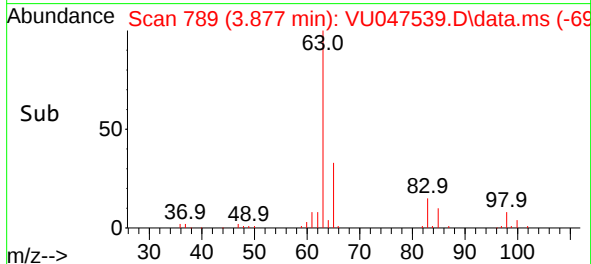
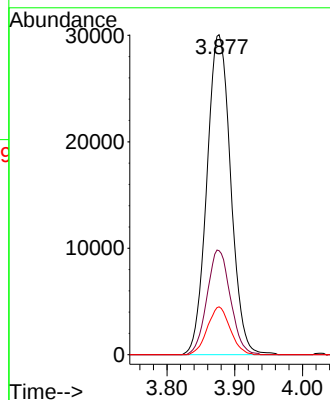
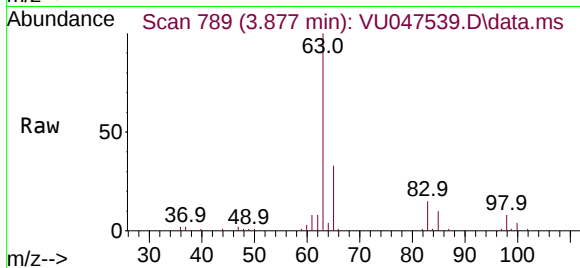
Tgt Ion: 63 Resp: 73487

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.6

83 15.0 10.8 20.0



#21

2-Butanone

Concen: 51.123 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.006 min

Lab File: VU047539.D

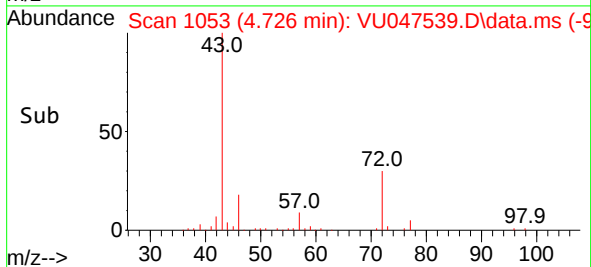
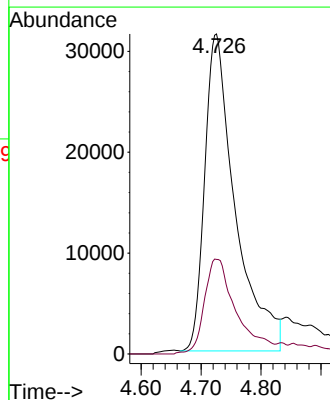
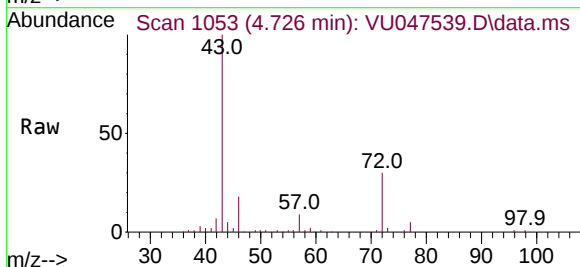
Acq: 14 Mar 2022 16:52

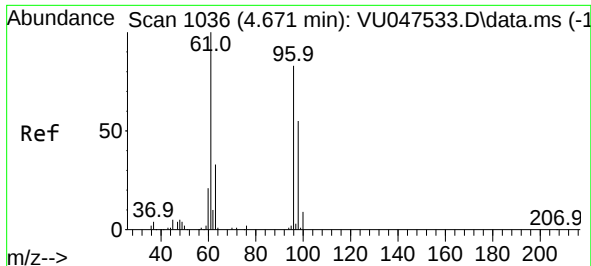
Tgt Ion: 43 Resp: 111477

Ion Ratio Lower Upper

43 100

72 31.2 14.9 44.7

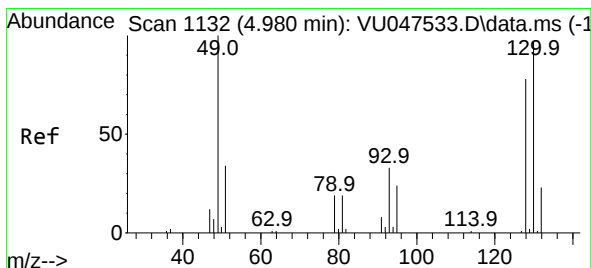
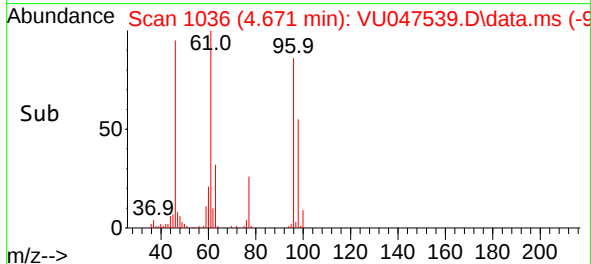
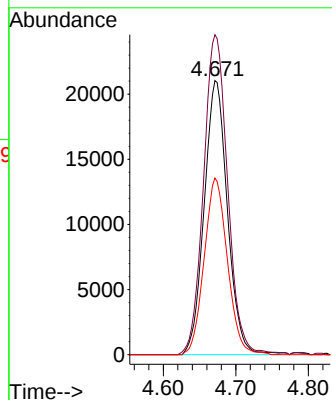
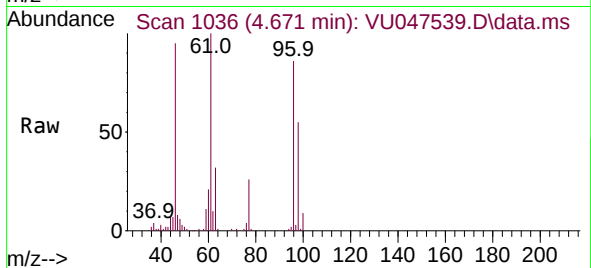




#22
 cis-1,2-Dichloroethene
 Concen: 5.060 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

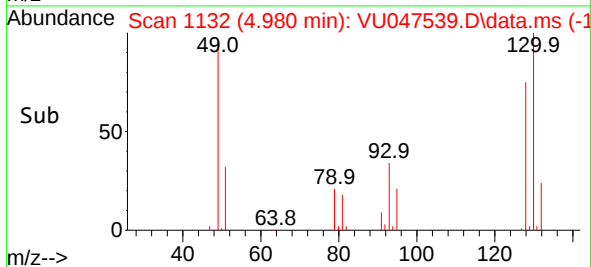
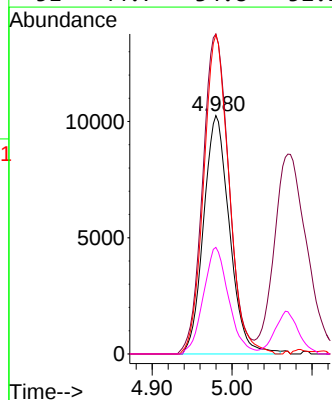
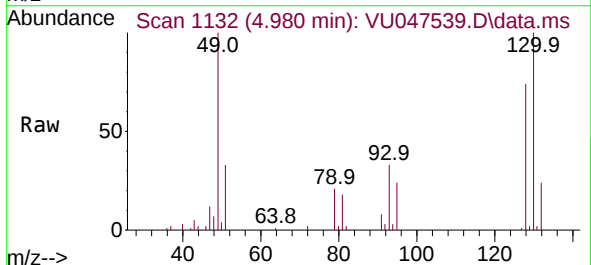
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005100

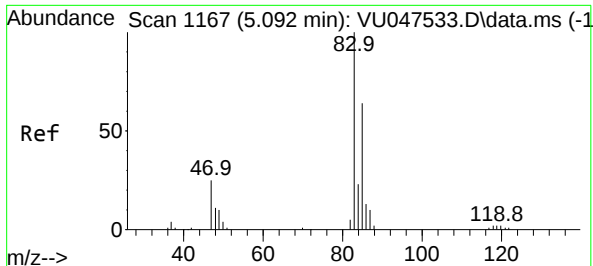
Tgt Ion: 96 Resp: 46963
 Ion Ratio Lower Upper
 96 100
 61 116.8 83.9 155.7
 98 64.5 46.4 86.2



#23
 Bromochloromethane
 Concen: 4.898 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

Tgt Ion: 128 Resp: 23068
 Ion Ratio Lower Upper
 128 100
 49 134.3 89.6 166.4
 130 133.9 87.3 162.1
 51 44.7 34.8 52.2





#25

Chloroform

Concen: 4.910 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

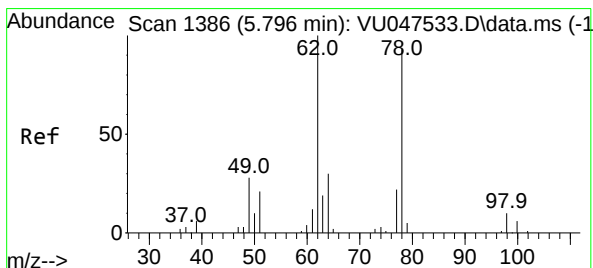
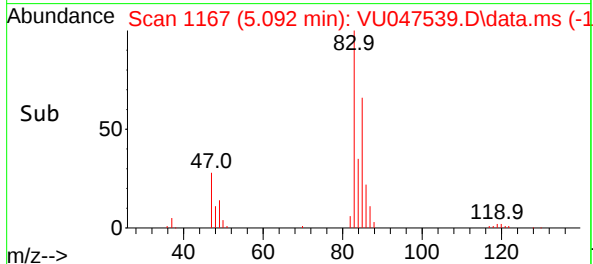
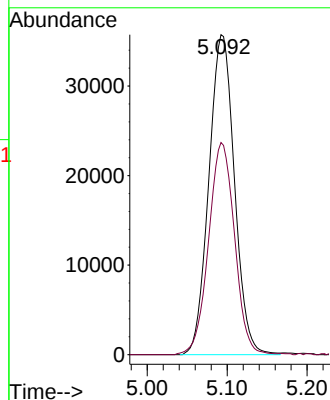
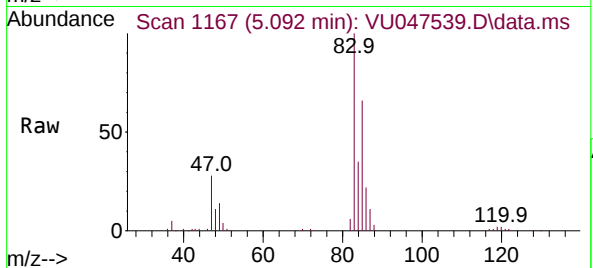
VSTD005100

Tgt Ion: 83 Resp: 79428

Ion Ratio Lower Upper

83 100

85 66.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.971 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047539.D

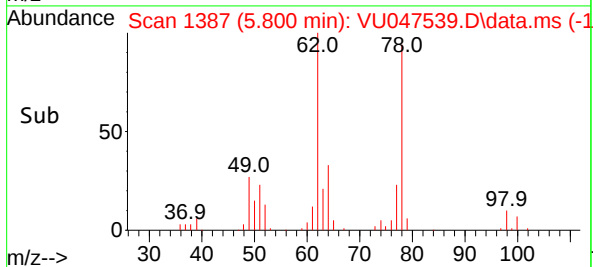
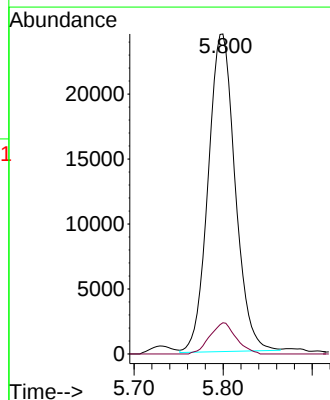
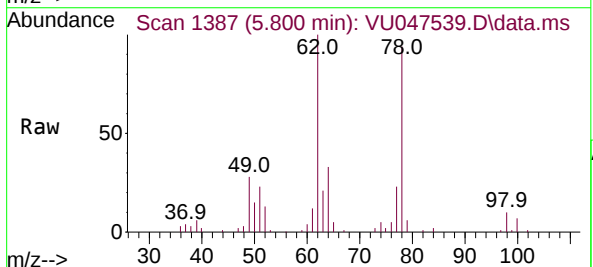
Acq: 14 Mar 2022 16:52

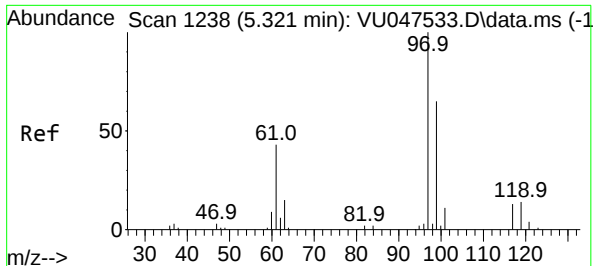
Tgt Ion: 62 Resp: 51444

Ion Ratio Lower Upper

62 100

98 9.8 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.096 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

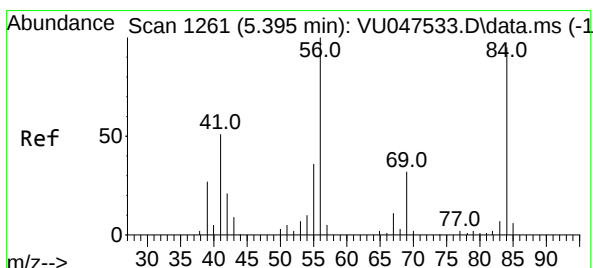
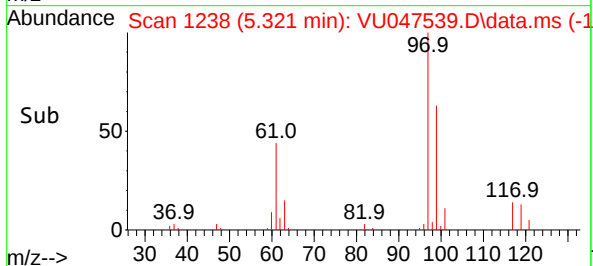
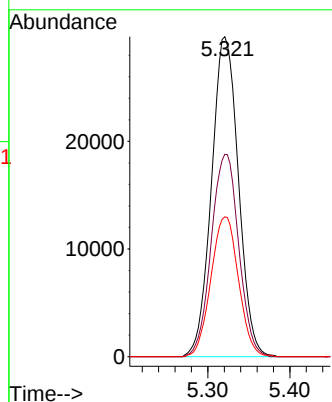
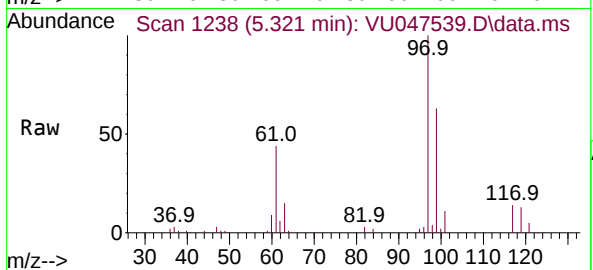
Tgt Ion: 97 Resp: 67875

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 44.8 35.0 52.4



#30

Cyclohexane

Concen: 5.399 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

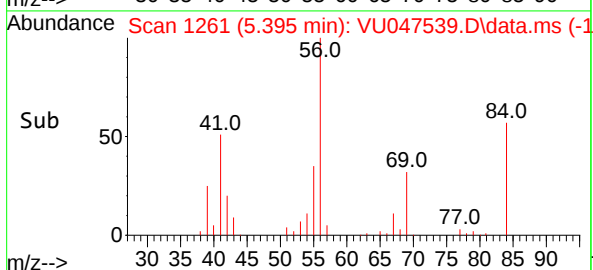
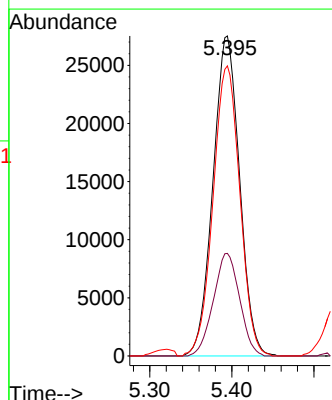
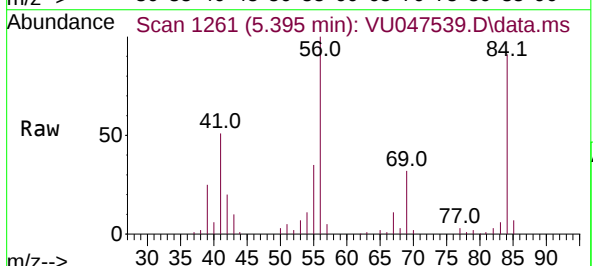
Tgt Ion: 56 Resp: 62094

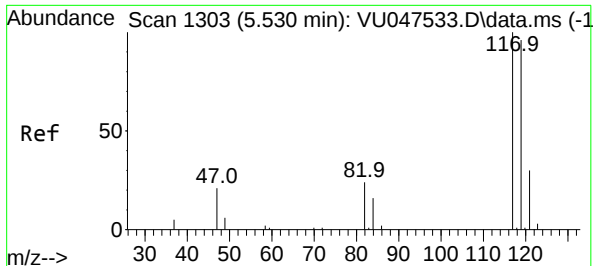
Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

84 91.4 76.2 114.4

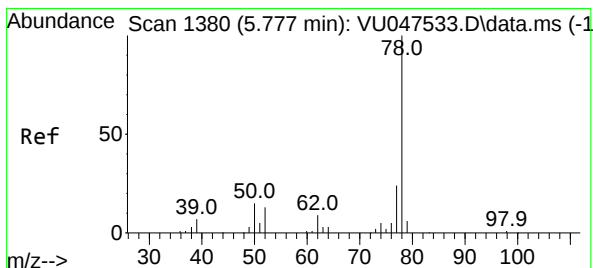
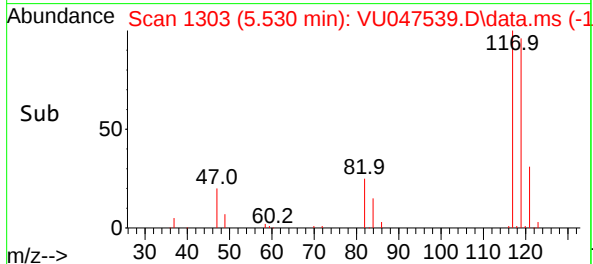
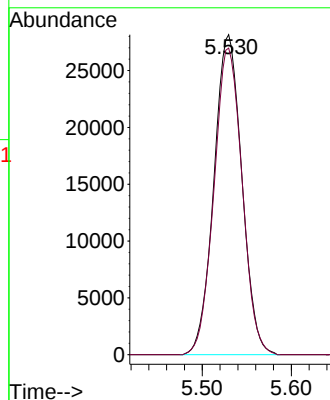
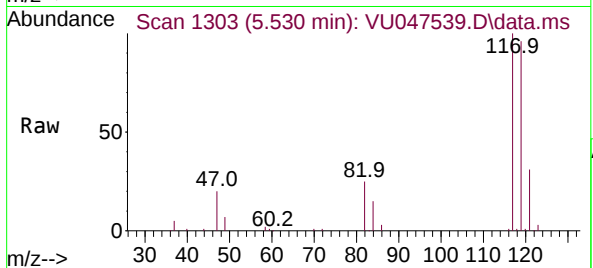




#31
Carbon tetrachloride
Concen: 5.231 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

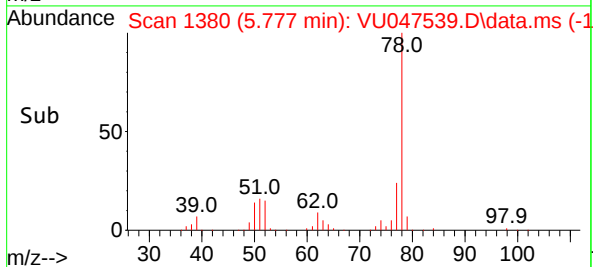
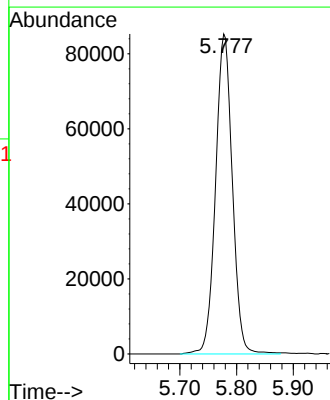
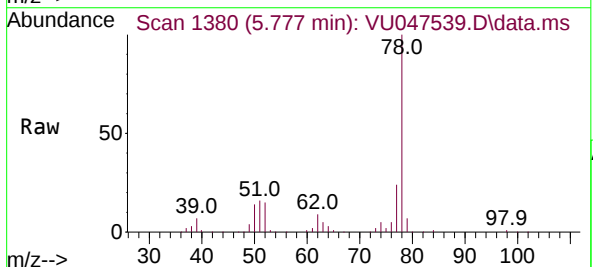
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

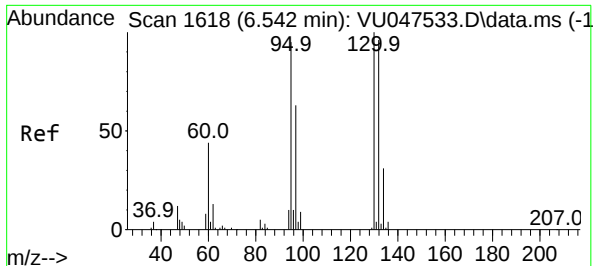
Tgt Ion:117 Resp: 61289
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3



#33
Benzene
Concen: 5.184 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 78 Resp: 175420





#34

Trichloroethene

Concen: 5.198 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

Tgt Ion: 95 Resp: 46610

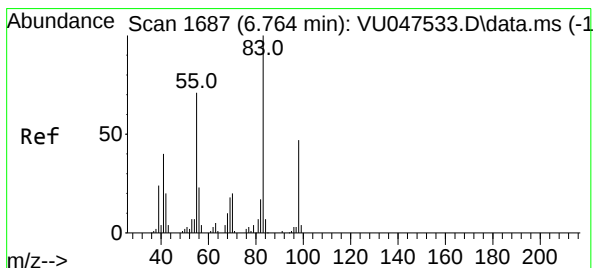
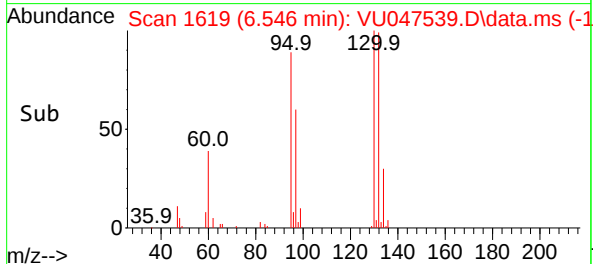
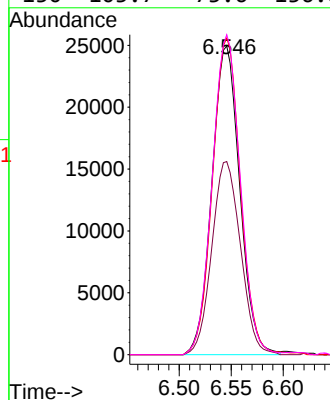
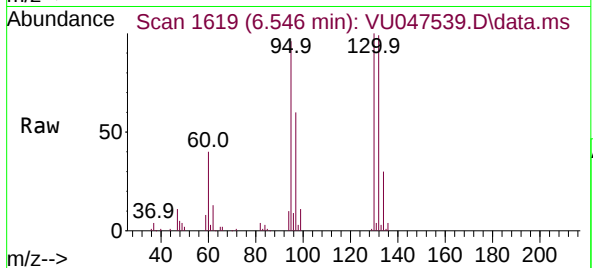
Ion Ratio Lower Upper

95 100

97 62.6 46.3 85.9

132 102.6 70.7 131.3

130 103.7 73.6 136.8



#35

Methylcyclohexane

Concen: 5.459 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. 0.003 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

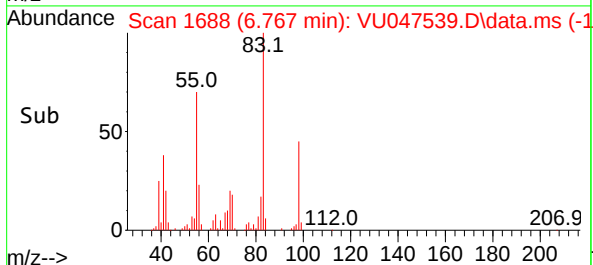
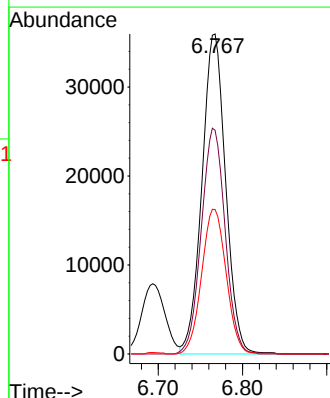
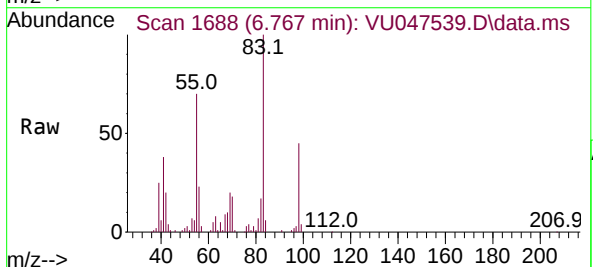
Tgt Ion: 83 Resp: 70457

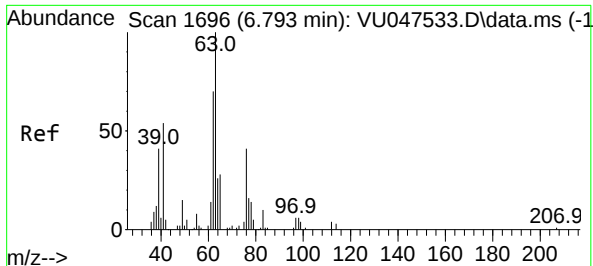
Ion Ratio Lower Upper

83 100

55 70.8 57.3 85.9

98 46.7 37.5 56.3





#37

1,2-Dichloropropane

Concen: 5.123 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

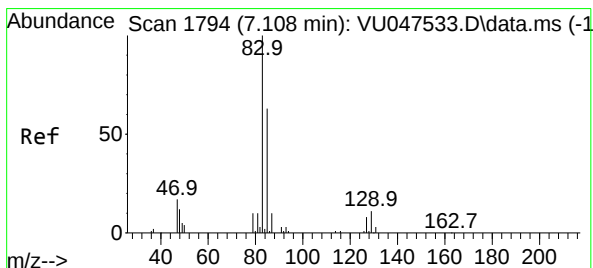
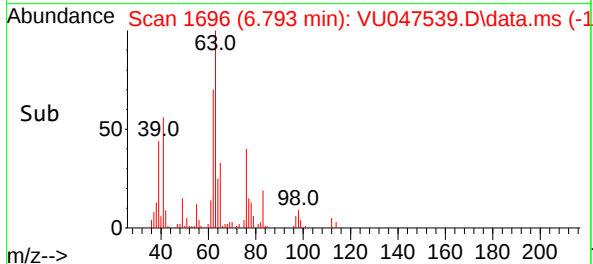
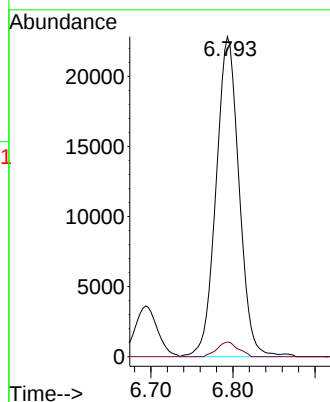
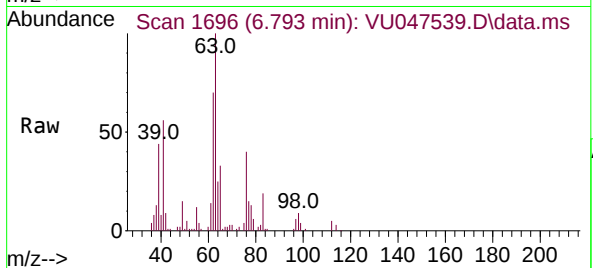
VSTD005100

Tgt Ion: 63 Resp: 44431

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.063 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

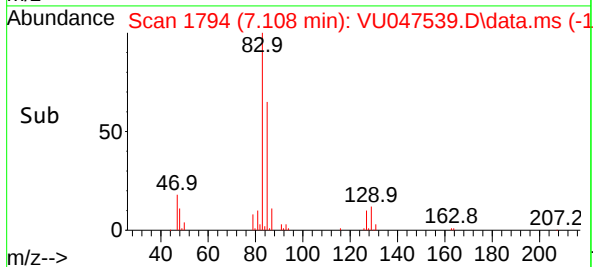
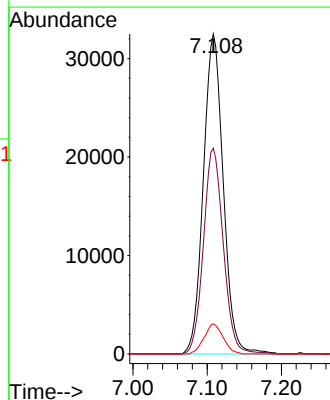
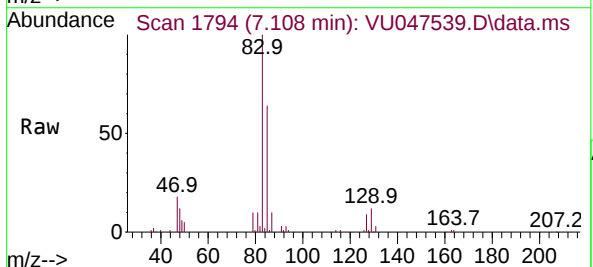
Tgt Ion: 83 Resp: 60468

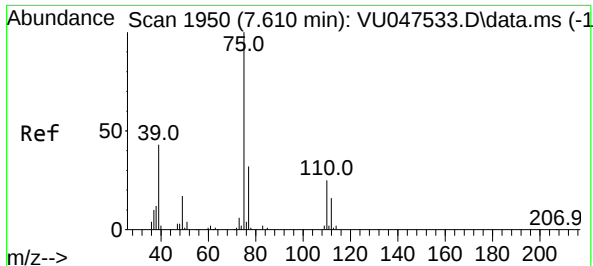
Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

127 9.5 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 5.057 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

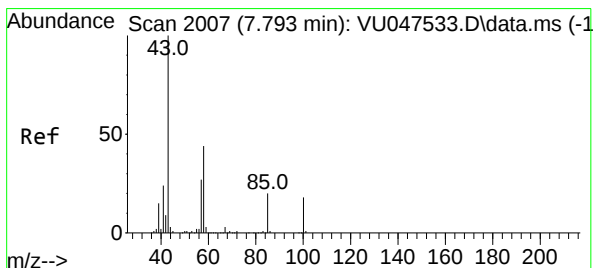
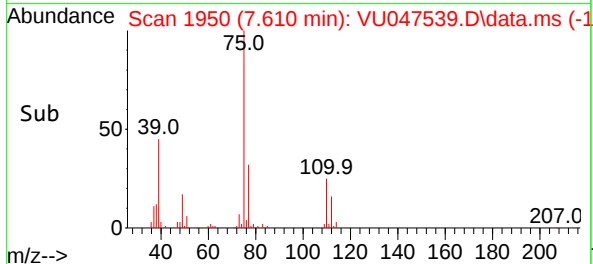
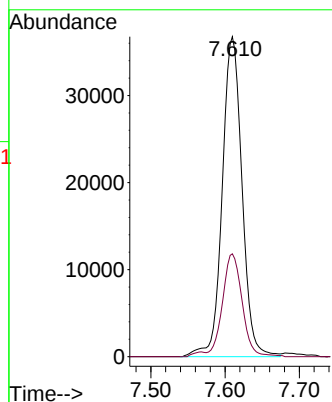
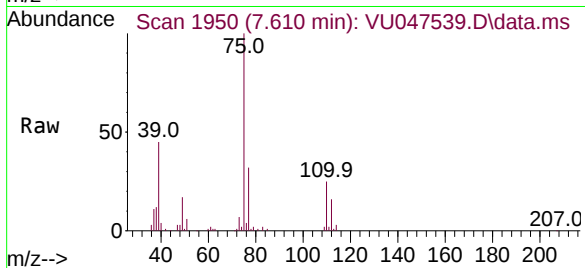
VSTD005100

Tgt Ion: 75 Resp: 68154

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 50.599 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

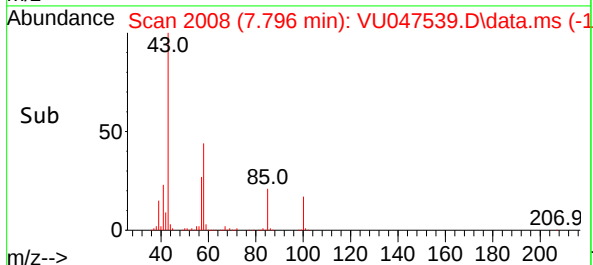
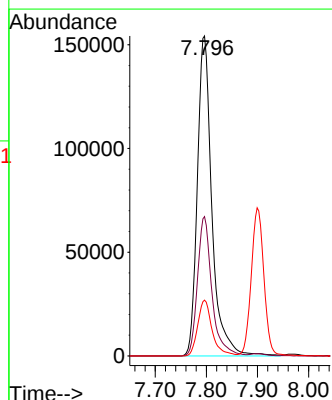
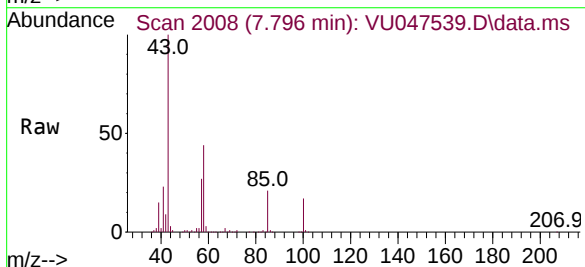
Tgt Ion: 43 Resp: 305882

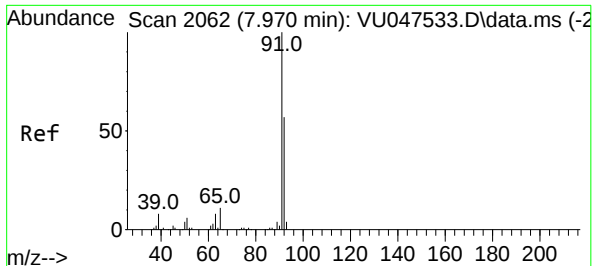
Ion Ratio Lower Upper

43 100

58 43.0 34.5 51.7

100 17.3 13.8 20.6





#42

Toluene

Concen: 5.245 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

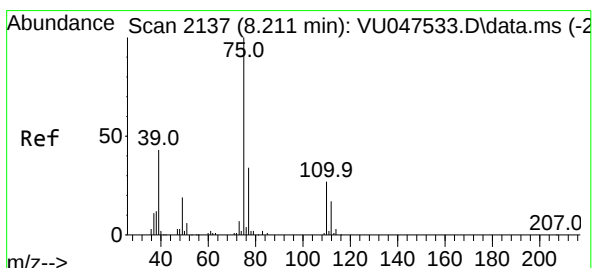
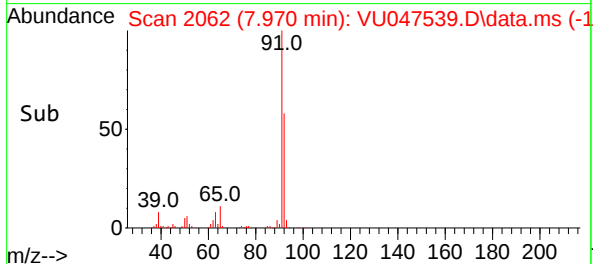
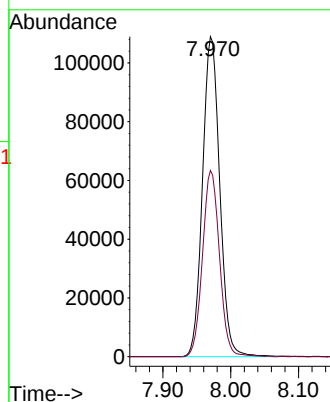
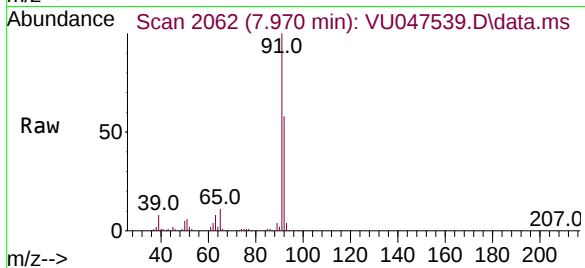
VSTD005100

Tgt Ion: 91 Resp: 192430

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.245 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047539.D

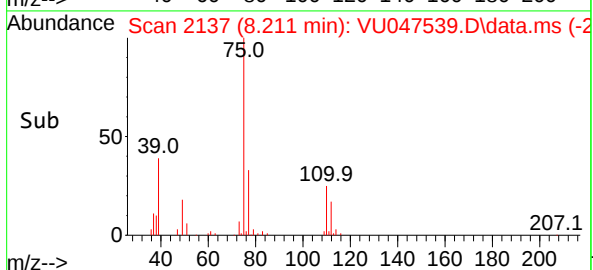
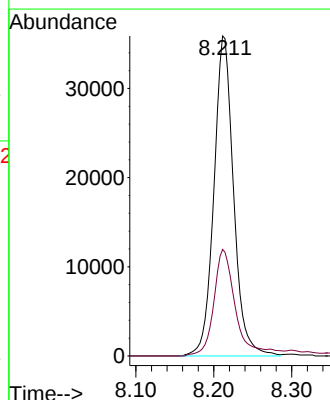
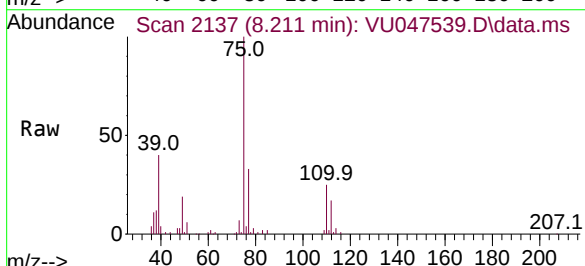
Acq: 14 Mar 2022 16:52

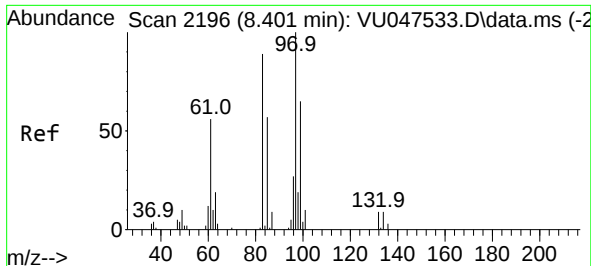
Tgt Ion: 75 Resp: 63053

Ion Ratio Lower Upper

75 100

77 33.3 23.4 43.6

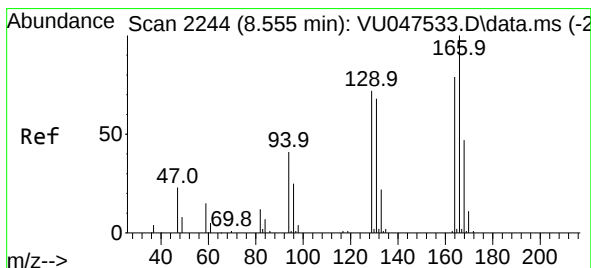
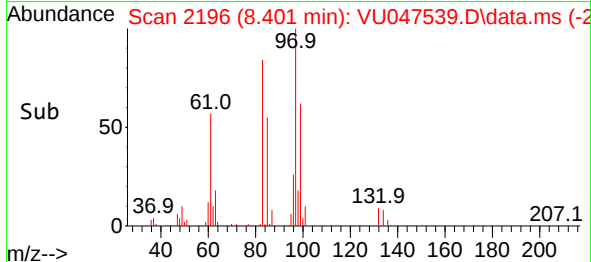
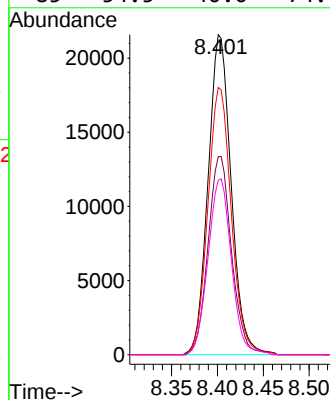
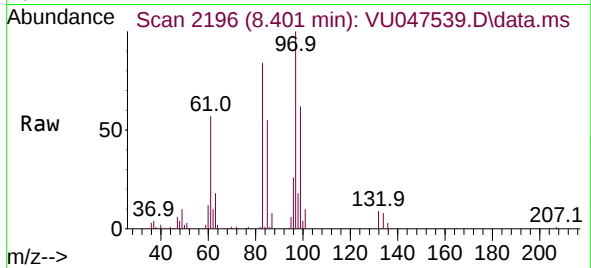




#45
1,1,2-Trichloroethane
Concen: 5.079 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

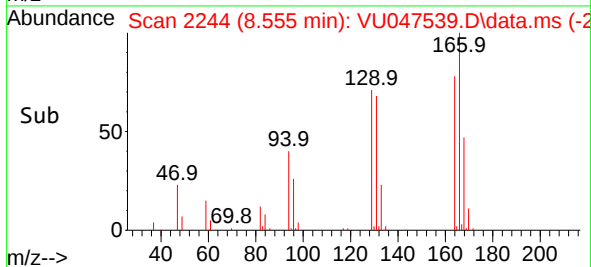
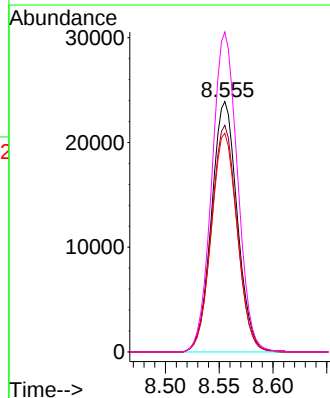
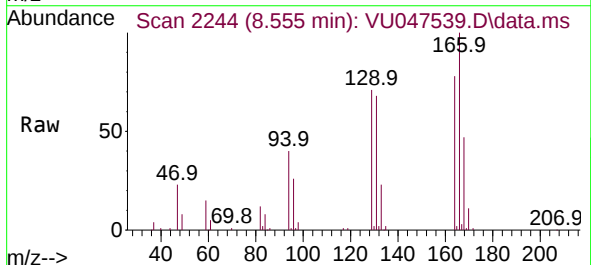
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

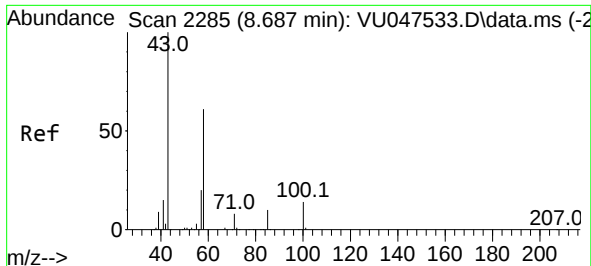
Tgt Ion:	97	Resp:	37764
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.3	84.1
83	83.5	62.2	115.6
85	54.5	40.0	74.4



#47
Tetrachloroethene
Concen: 5.220 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:	164	Resp:	39931
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.5	117.9
131	87.4	60.5	112.5
166	127.8	88.5	164.3

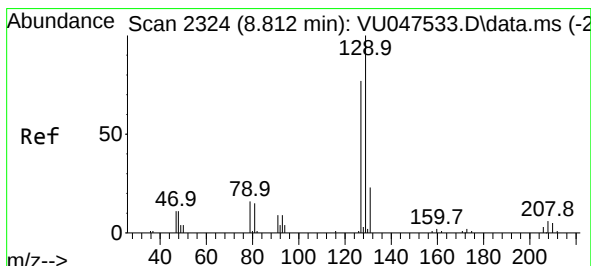
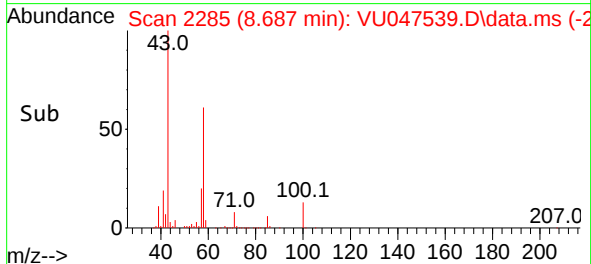
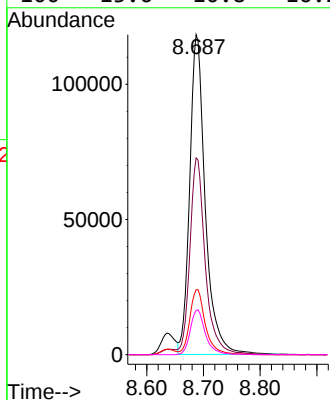
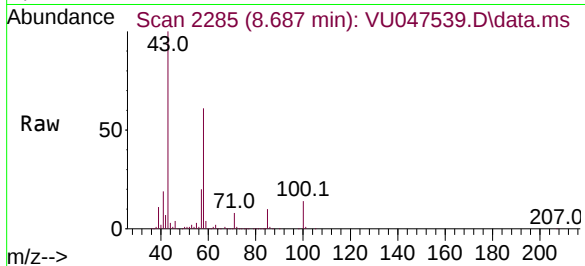




#48
2-Hexanone
Concen: 49.082 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

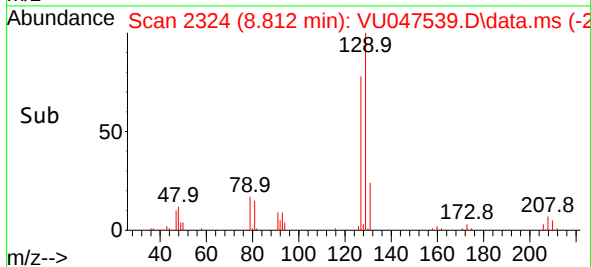
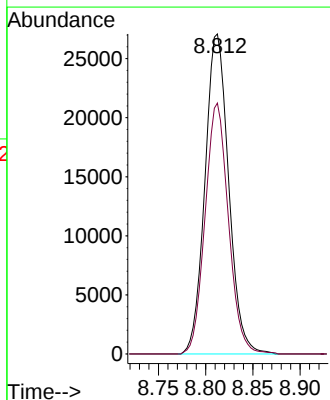
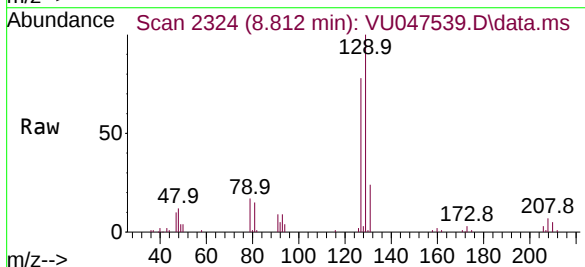
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

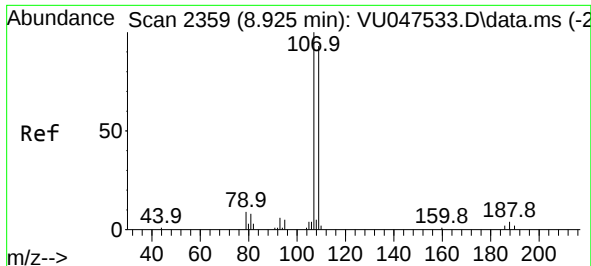
Tgt Ion: 43 Resp: 225819
Ion Ratio Lower Upper
43 100
58 61.0 47.5 71.3
57 20.6 16.0 24.0
100 13.6 10.8 16.2



#49
Dibromochloromethane
Concen: 5.162 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 129 Resp: 47273
Ion Ratio Lower Upper
129 100
127 78.4 53.6 99.6





#50

1,2-Dibromoethane

Concen: 5.068 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

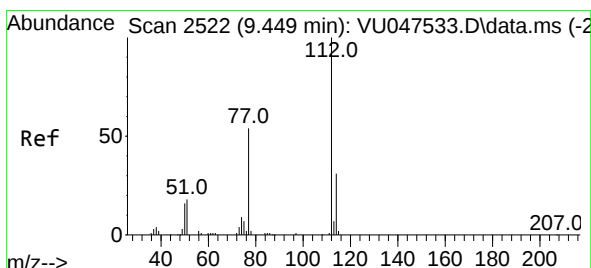
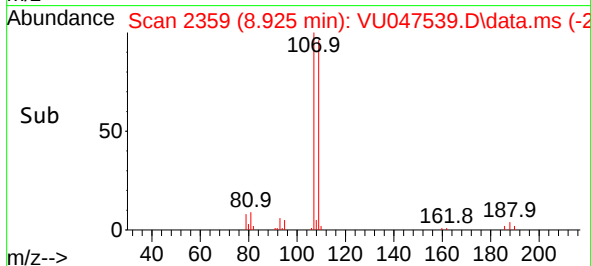
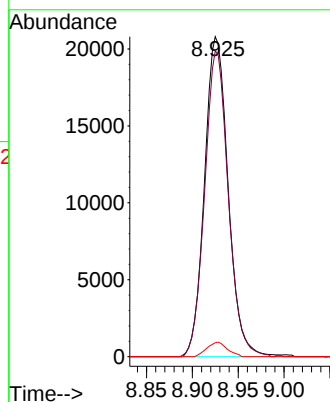
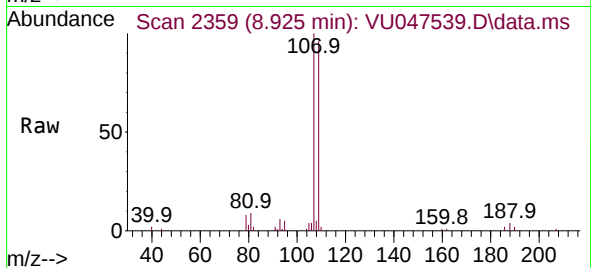
Tgt Ion:107 Resp: 37263

Ion Ratio Lower Upper

107 100

109 95.6 65.3 121.3

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.191 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

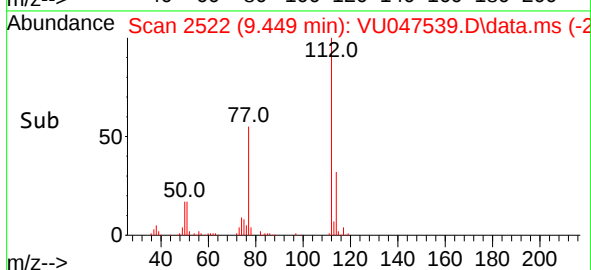
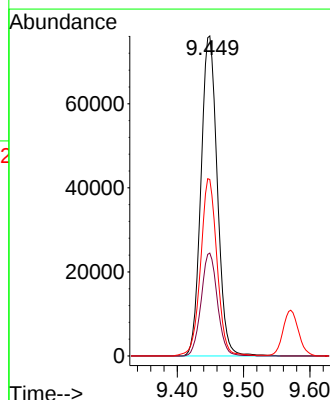
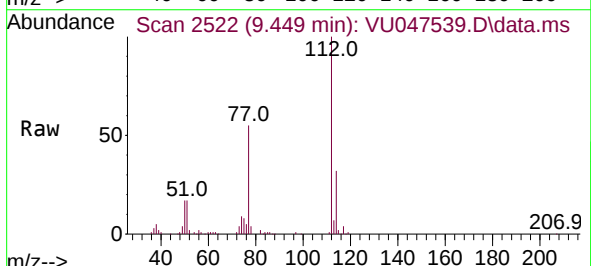
Tgt Ion:112 Resp: 130078

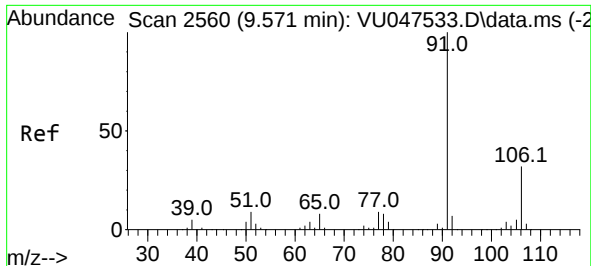
Ion Ratio Lower Upper

112 100

114 32.1 22.0 40.8

77 55.2 43.7 65.5

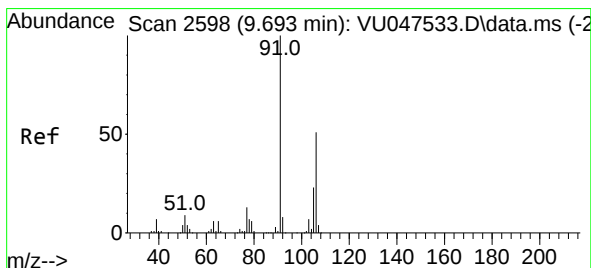
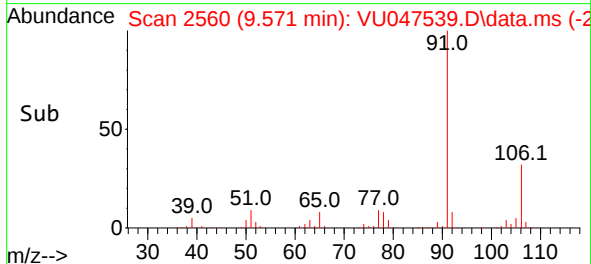
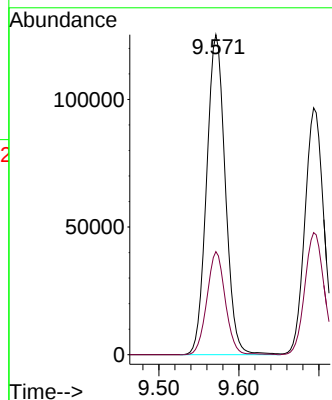
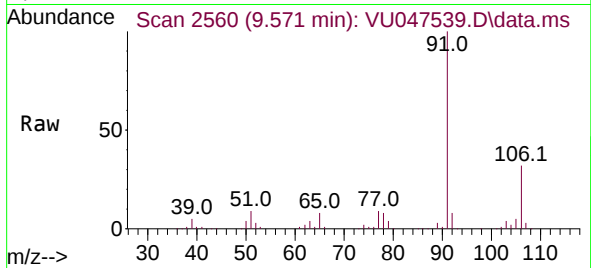




#52
Ethylbenzene
Concen: 5.243 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

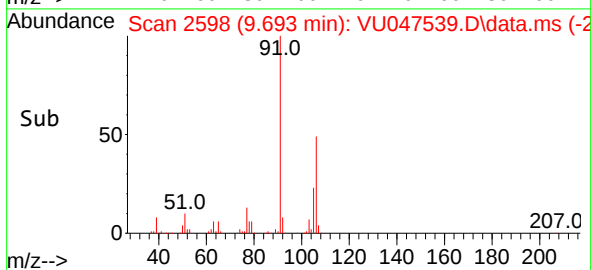
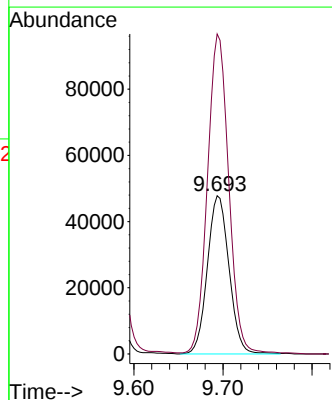
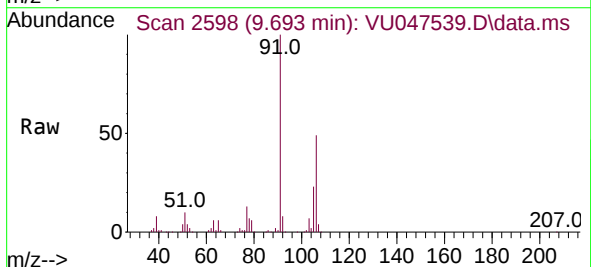
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

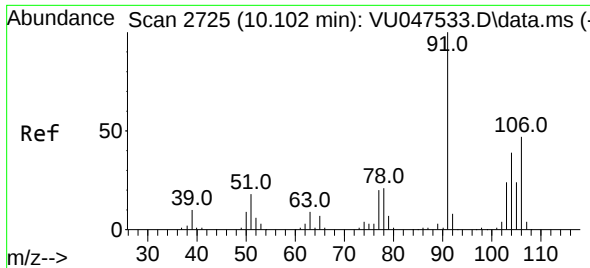
Tgt Ion: 91 Resp: 203741
Ion Ratio Lower Upper
91 100
106 32.2 22.2 41.2



#53
m,p-Xylene
Concen: 5.371 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 106 Resp: 80697
Ion Ratio Lower Upper
106 100
91 202.3 136.6 253.8

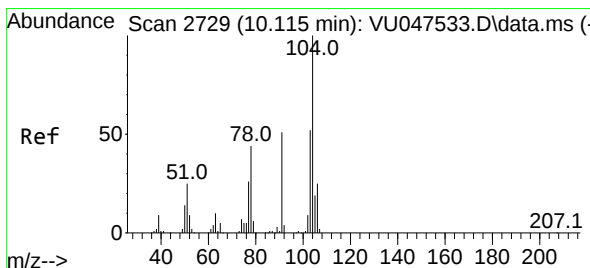
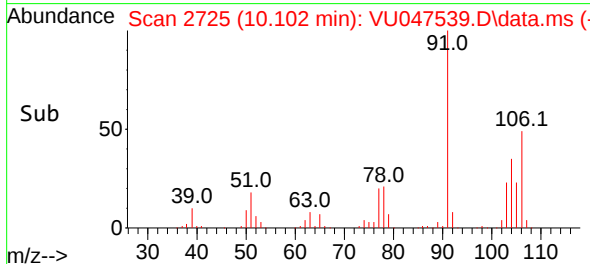
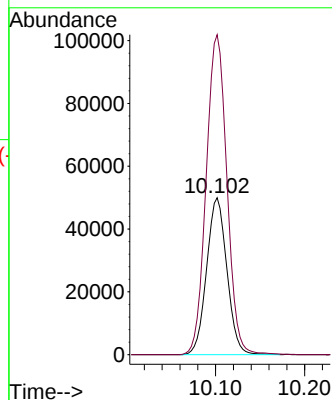
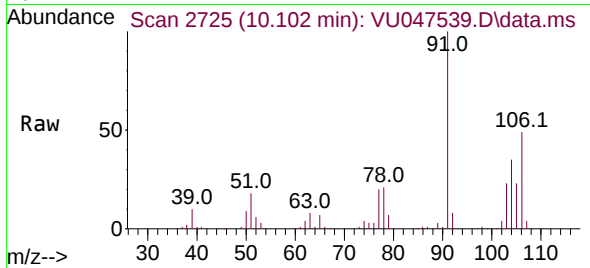




#54
o-Xylene
Concen: 5.324 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

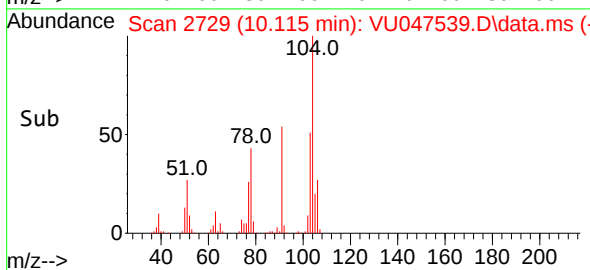
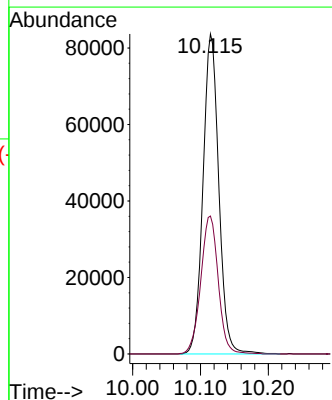
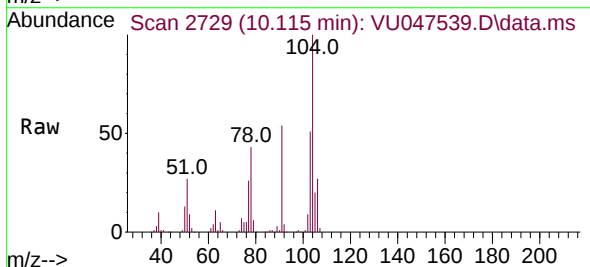
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

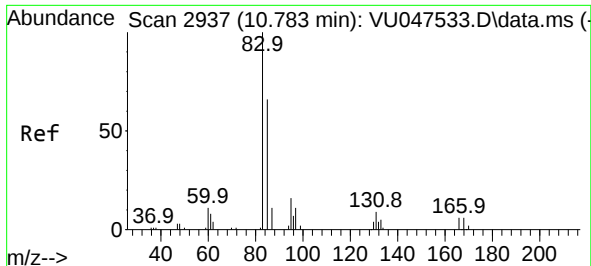
Tgt Ion:106 Resp: 79016
Ion Ratio Lower Upper
106 100
91 203.9 148.5 275.9



#55
Styrene
Concen: 5.314 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:104 Resp: 135458
Ion Ratio Lower Upper
104 100
78 43.1 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.156 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

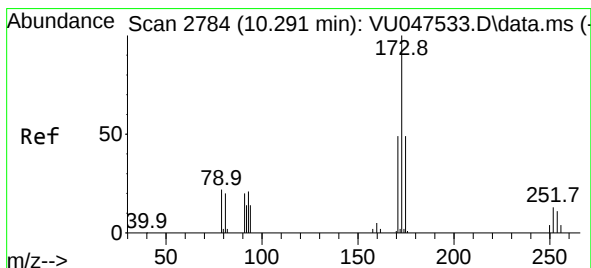
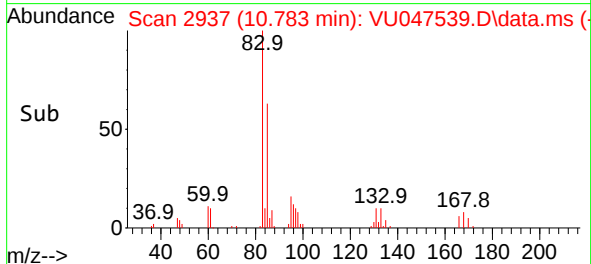
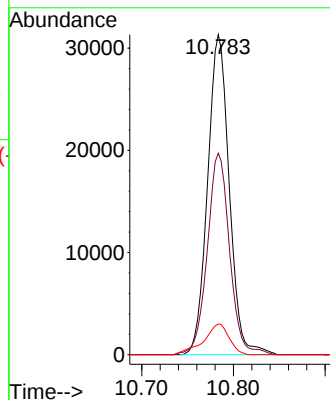
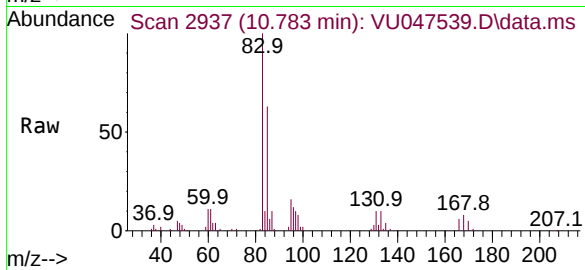
Tgt Ion: 83 Resp: 51393

Ion Ratio Lower Upper

83 100

85 63.0 46.7 86.7

131 9.6 8.0 12.0



#59

Bromoform

Concen: 5.148 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

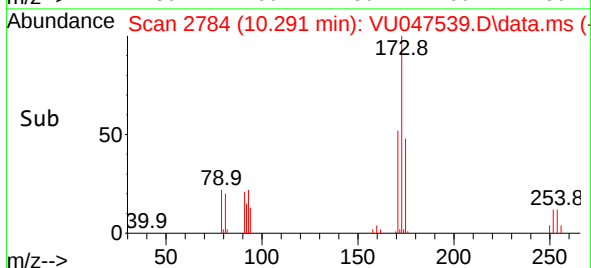
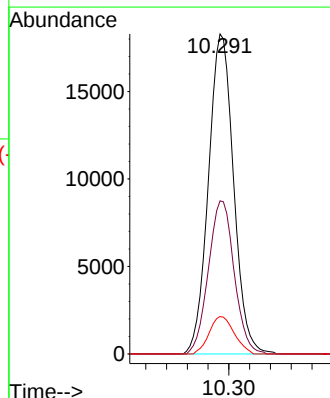
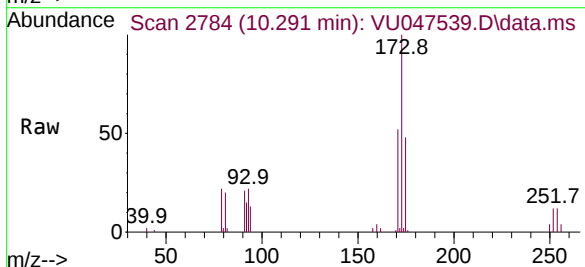
Tgt Ion: 173 Resp: 30724

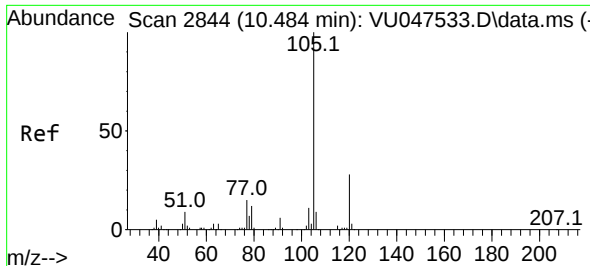
Ion Ratio Lower Upper

173 100

175 49.0 39.7 59.5

254 11.6 9.0 13.6

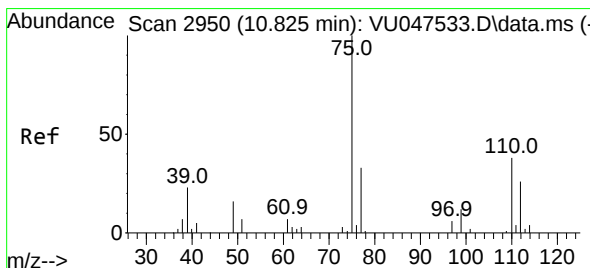
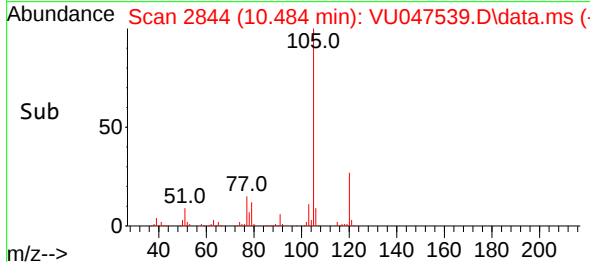
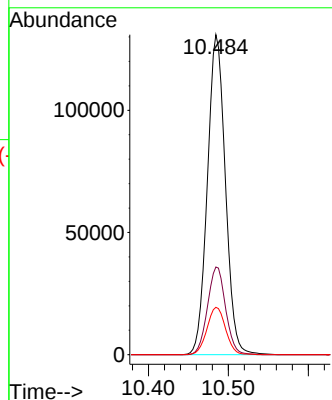
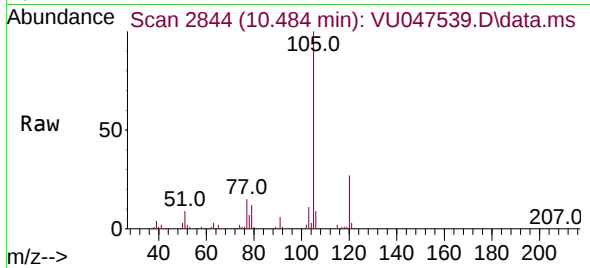




#60
Isopropylbenzene
Concen: 5.361 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

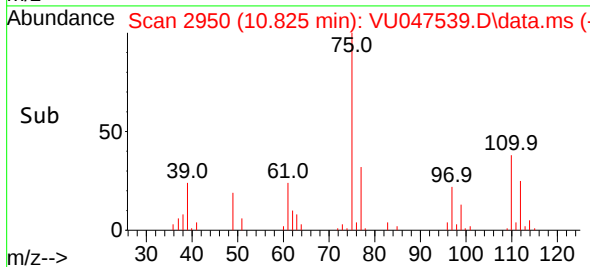
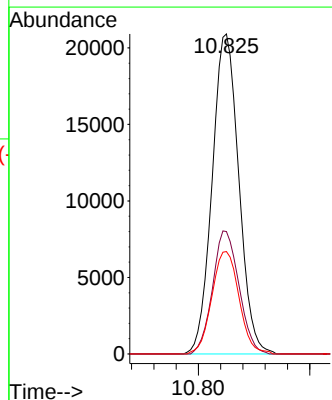
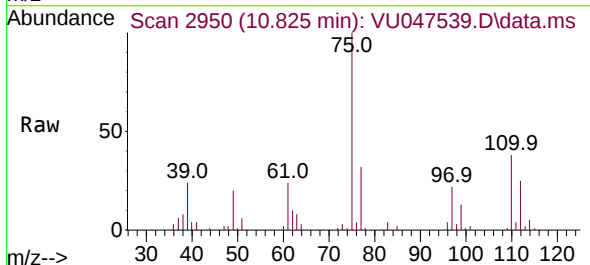
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

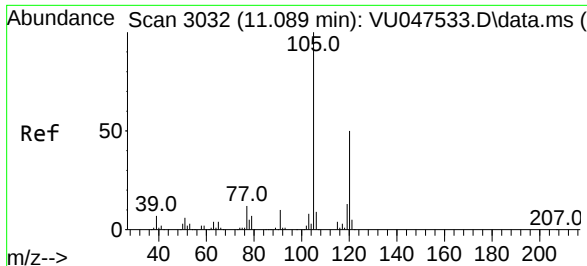
Tgt Ion:105 Resp: 204865
Ion Ratio Lower Upper
105 100
120 27.6 22.2 33.4
77 15.3 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.895 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion: 75 Resp: 34731
Ion Ratio Lower Upper
75 100
110 38.1 30.2 45.4
77 32.7 26.6 39.8

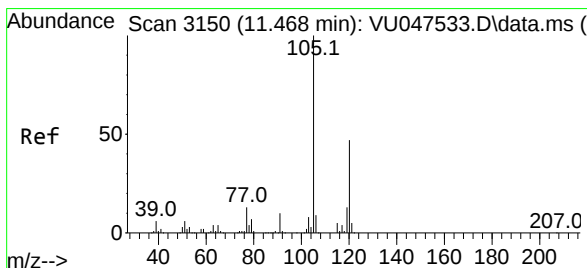
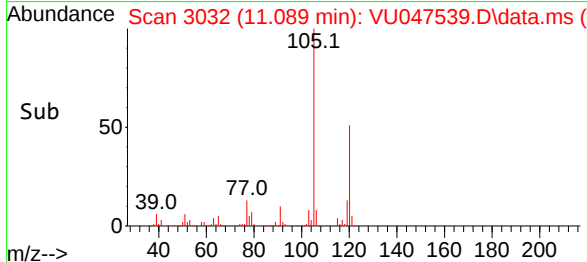
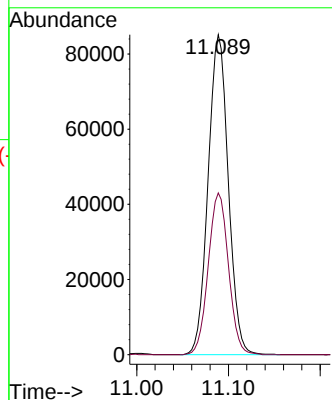
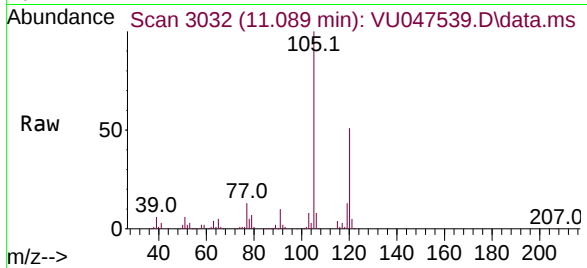




#62
1,3,5-Trimethylbenzene
Concen: 5.333 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

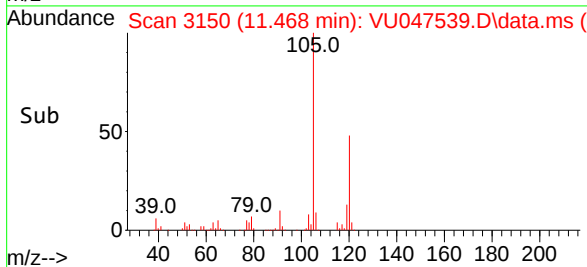
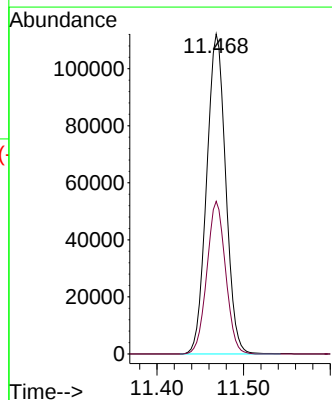
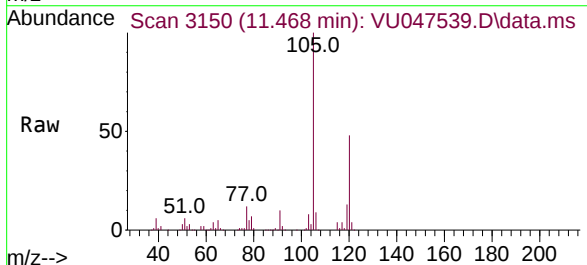
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

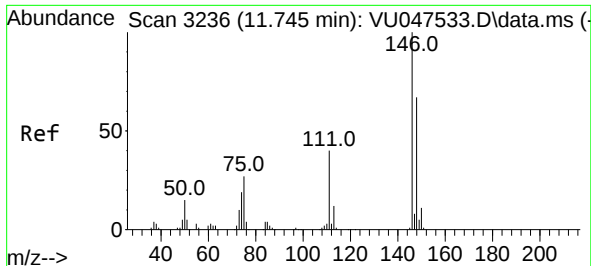
Tgt Ion:105 Resp: 130125
Ion Ratio Lower Upper
105 100
120 50.6 40.2 60.4



#63
1,2,4-Trimethylbenzene
Concen: 5.405 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:105 Resp: 171173
Ion Ratio Lower Upper
105 100
120 46.8 38.2 57.4

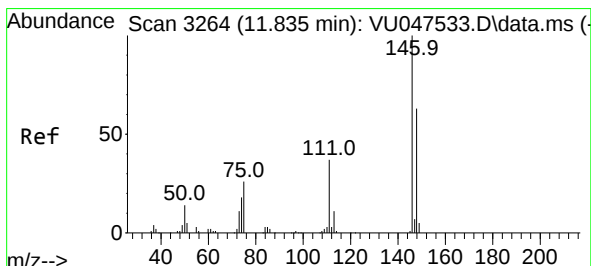
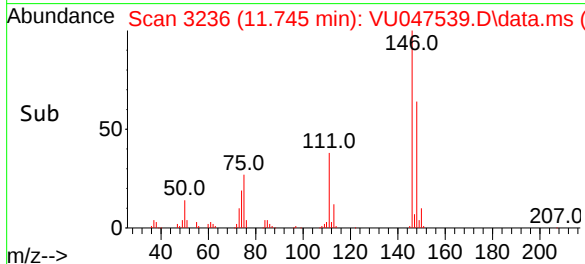
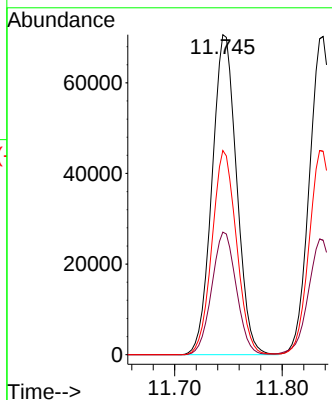
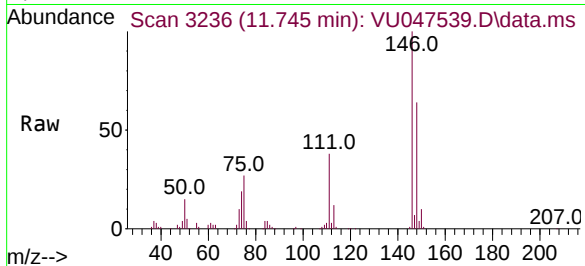




#64
1,3-Dichlorobenzene
Concen: 5.269 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

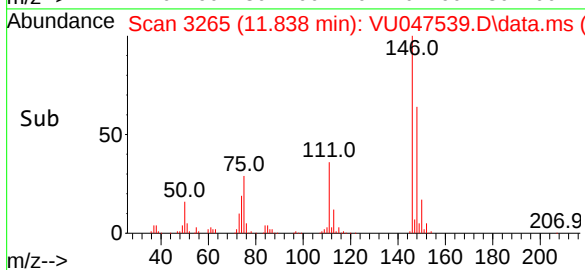
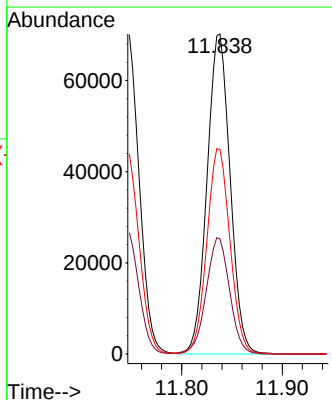
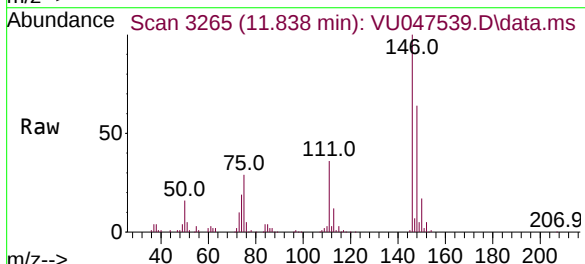
Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

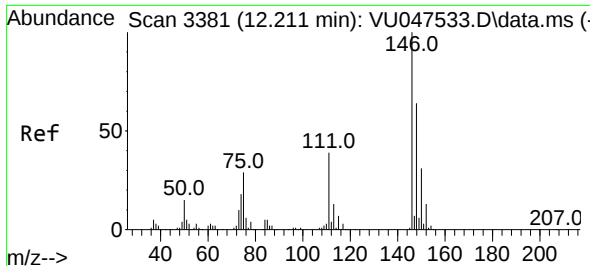
Tgt Ion:146 Resp: 112289
Ion Ratio Lower Upper
146 100
111 38.3 27.7 51.5
148 63.8 46.5 86.5



#65
1,4-Dichlorobenzene
Concen: 5.143 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:146 Resp: 111970
Ion Ratio Lower Upper
146 100
111 35.9 26.2 48.8
148 63.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.111 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005100

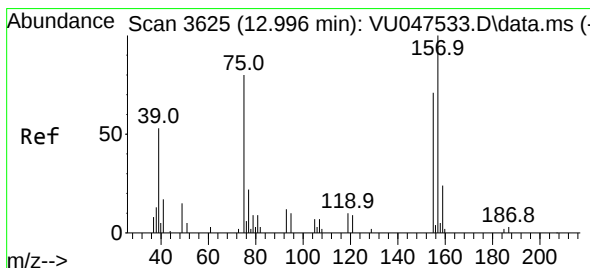
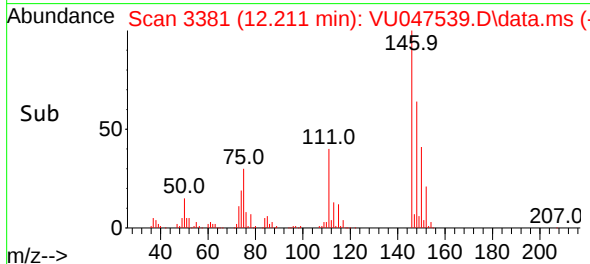
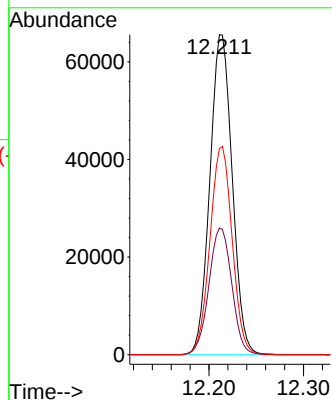
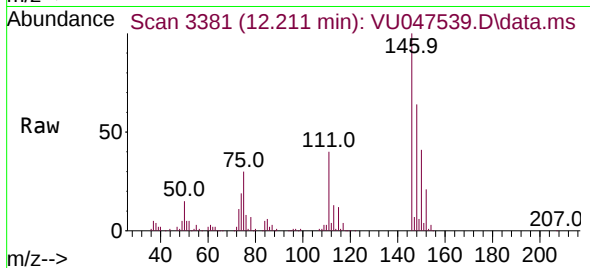
Tgt Ion:146 Resp: 107696

Ion Ratio Lower Upper

146 100

111 39.6 31.4 47.0

148 64.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.794 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU047539.D

Acq: 14 Mar 2022 16:52

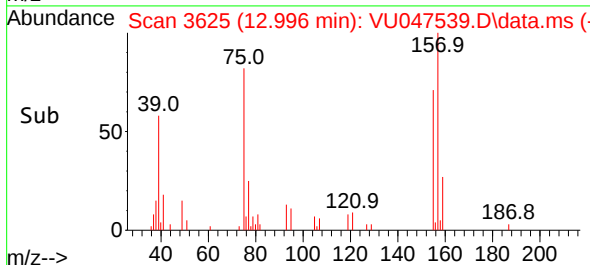
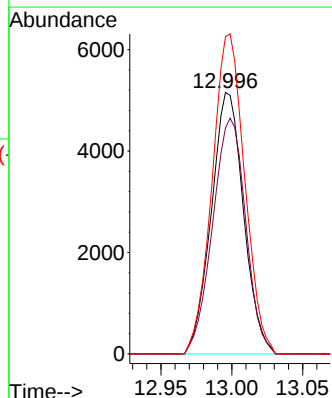
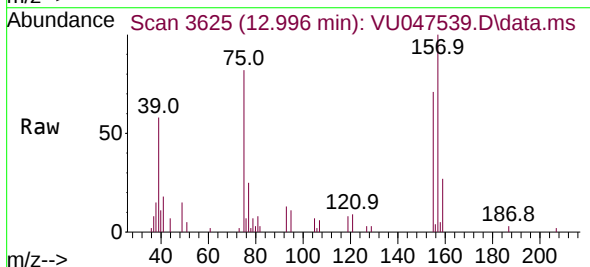
Tgt Ion: 75 Resp: 8160

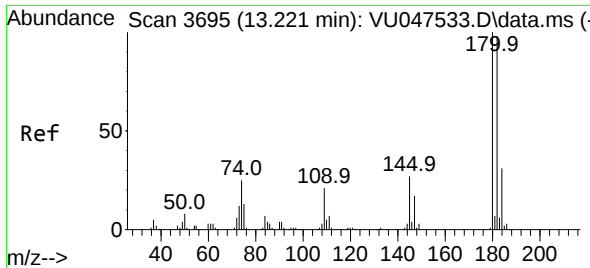
Ion Ratio Lower Upper

75 100

155 86.5 70.8 106.2

157 121.3 99.4 149.2

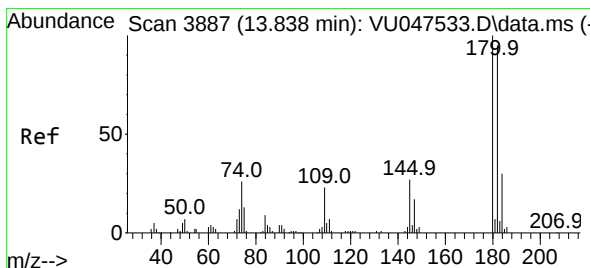
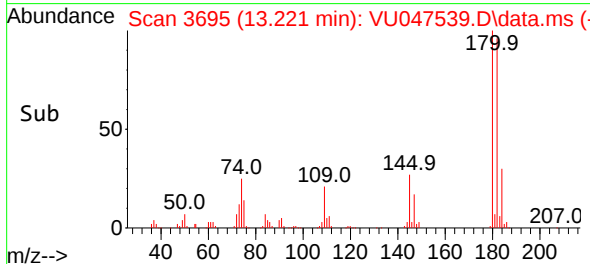
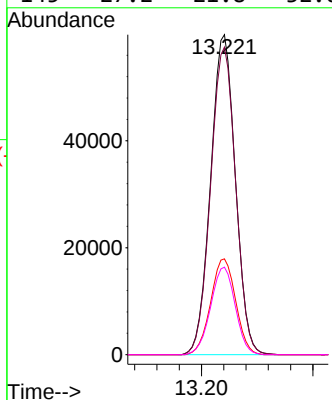
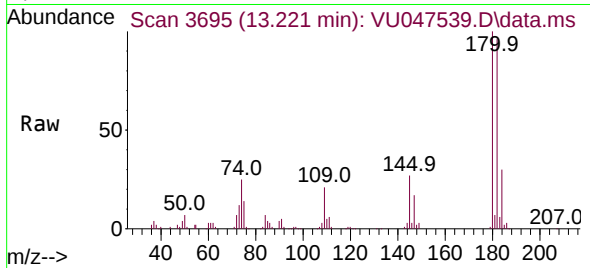




#69
 1,3,5-Trichlorobenzene
 Concen: 5.120 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

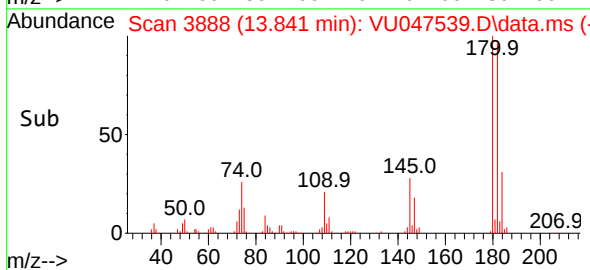
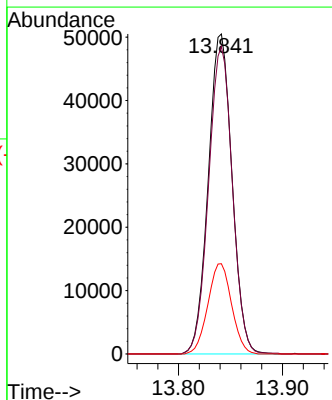
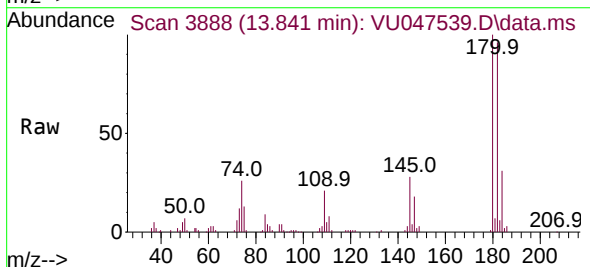
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005100

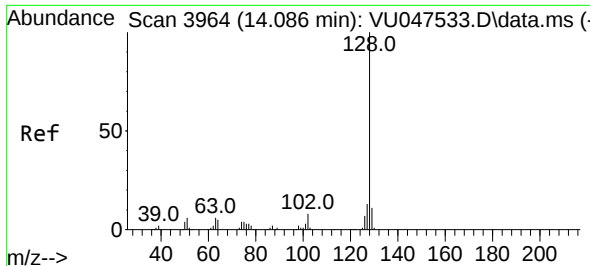
Tgt Ion:	180	Resp:	92242
Ion Ratio	Lower	Upper	
180	100		
182	97.1	77.3	115.9
184	30.3	24.3	36.5
145	27.2	21.8	32.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.056 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU047539.D
 Acq: 14 Mar 2022 16:52

Tgt Ion:	180	Resp:	80130
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.6	114.8
145	28.1	22.5	33.7

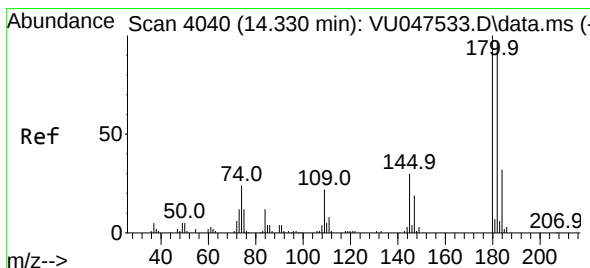
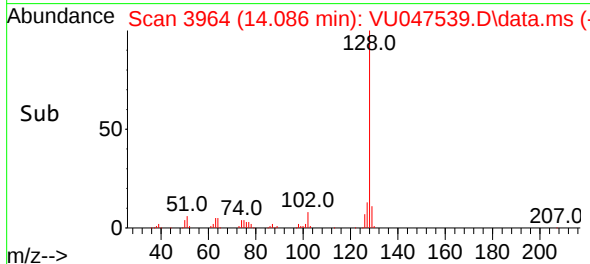
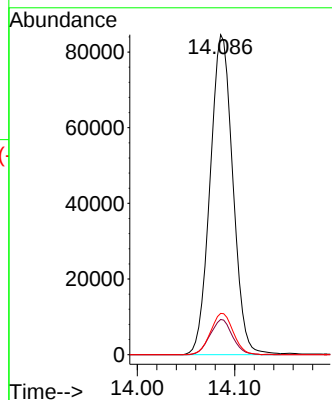
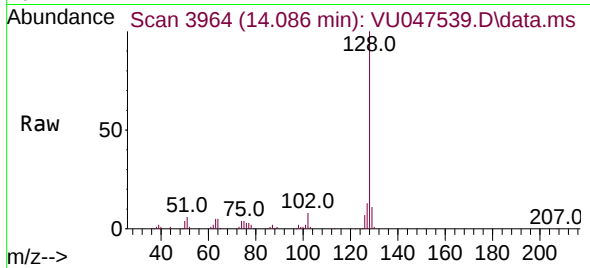




#71
Naphthalene
Concen: 4.662 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD005100

Tgt Ion:128 Resp: 137154
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.9 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.992 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047539.D
Acq: 14 Mar 2022 16:52

Tgt Ion:180 Resp: 75919
Ion Ratio Lower Upper
180 100
182 94.5 77.8 116.8
145 29.2 23.7 35.5

