

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047721.D
 Acq On : 28 Mar 2022 11:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

Quant Time: Mar 29 01:41:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	329007	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	341407	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	206842	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97931	41.047	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.100%
7) Chloroethane-d5	1.919	69	84499	44.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.840%
11) 1,1-Dichloroethene-d2	2.575	63	201105	46.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.140%
21) 2-Butanone-d5	4.642	46	244955	119.617	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.620%
24) Chloroform-d	5.067	84	218776	50.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.240%
26) 1,2-Dichloroethane-d4	5.707	65	136304	50.909	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.820%
32) Benzene-d6	5.732	84	420423	48.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.880%
36) 1,2-Dichloropropane-d6	6.694	67	133663	50.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.320%
41) Toluene-d8	7.899	98	402833	48.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.182	79	66563	49.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.600%
47) 2-Hexanone-d5	8.636	63	183474	118.795	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.790%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	242102	53.470	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.940%
66) 1,2-Dichlorobenzene-d4	12.195	152	184864	50.236	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	165631	54.301	ug/L	99
3) Chloromethane	1.527	50	151440	51.916	ug/L	100
5) Vinyl chloride	1.607	62	153082	51.456	ug/L	97
6) Bromomethane	1.864	94	89008	55.586	ug/L	97
8) Chloroethane	1.938	64	92799	49.689	ug/L	100
9) Trichlorofluoromethane	2.144	101	221155	52.716	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	133443	55.028	ug/L	97
12) 1,1-Dichloroethene	2.584	96	120360	53.331	ug/L	88
13) Acetone	2.658	43	256814	134.762	ug/L	99
14) Carbon disulfide	2.800	76	360140	50.484	ug/L	100
15) Methyl Acetate	2.961	43	170607	56.143	ug/L	99
16) Methylene chloride	3.051	84	138012	53.291	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	128547	52.808	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	382285	55.666	ug/L	100
19) 1,1-Dichloroethane	3.874	63	231125	55.053	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	145447	54.502	ug/L	96
22) 2-Butanone	4.719	43	298535	121.610	ug/L	98
23) Bromochloromethane	4.980	128	81665	55.736	ug/L	99
25) Chloroform	5.092	83	248138	54.899	ug/L	99

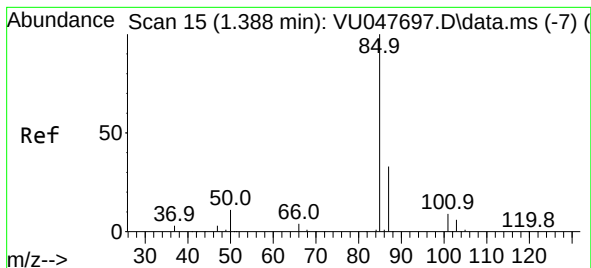
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	190013	54.413	ug/L	99
29) Cyclohexane	5.391	56	196458	56.709	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	214881	55.508	ug/L	99
31) Carbon tetrachloride	5.530	117	192614	55.100	ug/L	100
33) Benzene	5.777	78	547267	55.380	ug/L	100
34) Trichloroethene	6.546	95	142269	54.913	ug/L	96
35) Methylcyclohexane	6.768	83	225550	57.225	ug/L	99
37) 1,2-Dichloropropane	6.793	63	142704	56.805	ug/L	100
38) Bromodichloromethane	7.108	83	193121	55.981	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	222821	57.163	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	451853	113.803	ug/L	99
42) Toluene	7.970	91	609037	56.168	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	220622	56.687	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	146313	54.915	ug/L	99
46) Tetrachloroethene	8.555	164	128918	55.373	ug/L	97
48) 2-Hexanone	8.687	43	400192	117.175	ug/L	99
49) Dibromochloromethane	8.812	129	172198	55.801	ug/L	99
50) 1,2-Dibromoethane	8.925	107	166150	55.626	ug/L	99
51) Chlorobenzene	9.449	112	407171	55.305	ug/L	99
52) Ethylbenzene	9.571	91	648737	56.901	ug/L	100
53) m,p-Xylene	9.693	106	261895	58.543	ug/L	99
54) o-Xylene	10.102	106	249781	56.889	ug/L	98
55) Styrene	10.115	104	433959	57.890	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	279073	55.871	ug/L	99
59) Bromoform	10.292	173	147488	55.762	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	217577	55.799	ug/L	99
61) Isopropylbenzene	10.484	105	645848	57.775	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	347188	57.242	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	546505	59.318	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	344778	55.490	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	350565	54.471	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	345003	55.493	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	69869	55.938	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	280718	55.630	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	247254	55.940	ug/L	99
71) Naphthalene	14.086	128	754060	57.222	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	251393	56.736	ug/L	99

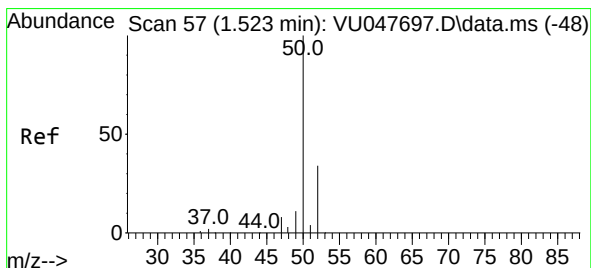
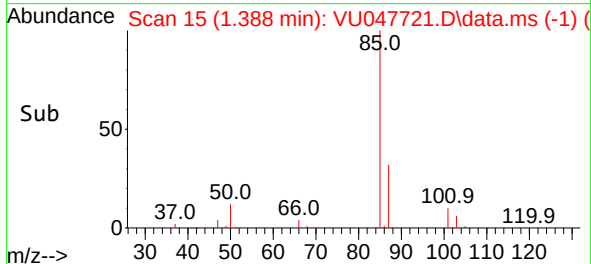
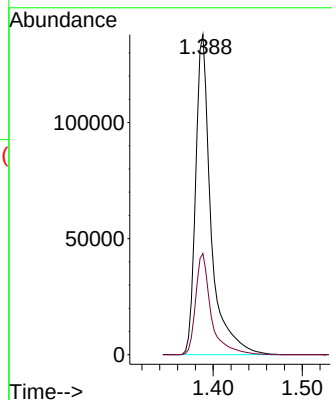
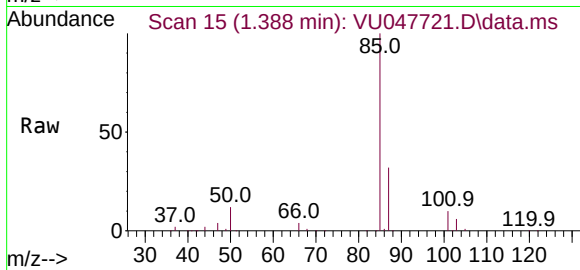
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 54.301 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

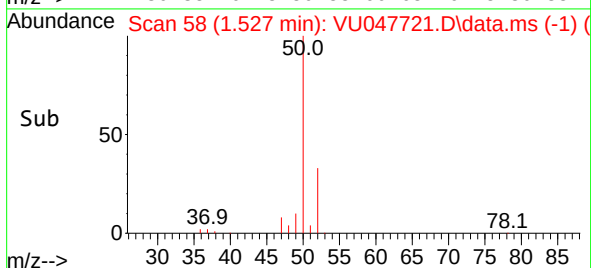
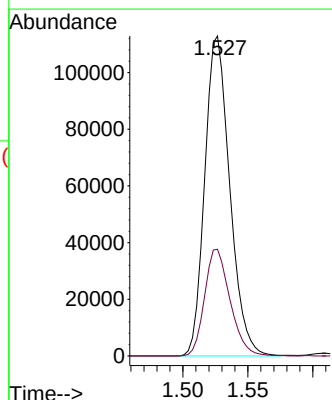
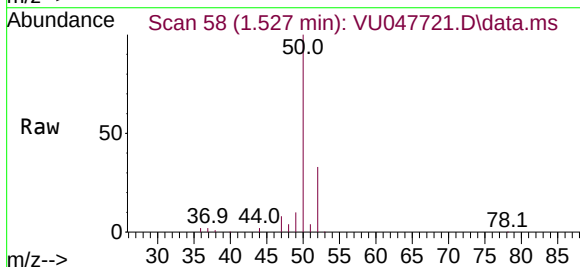
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

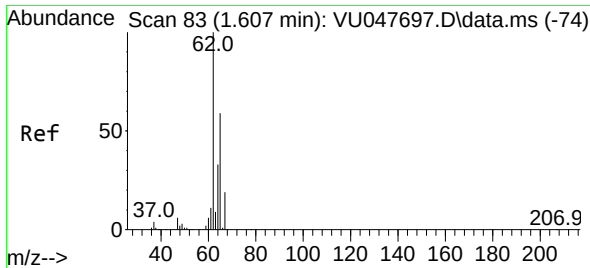
Tgt Ion: 85 Resp: 165631
Ion Ratio Lower Upper
85 100
87 31.8 25.8 38.8



#3
Chloromethane
Concen: 51.916 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 50 Resp: 151440
Ion Ratio Lower Upper
50 100
52 33.4 23.2 43.2

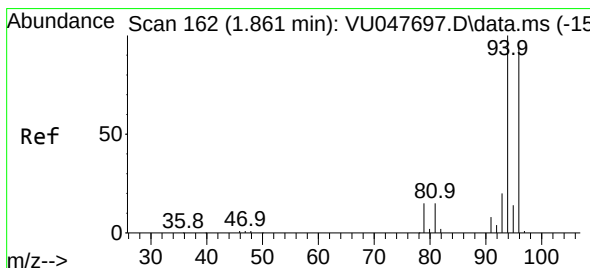
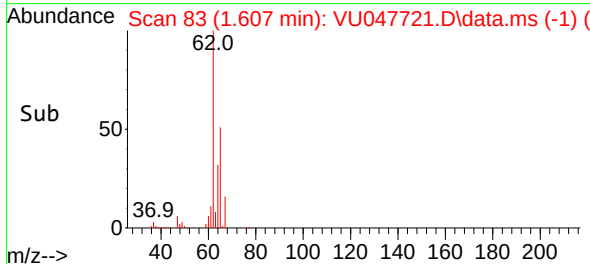
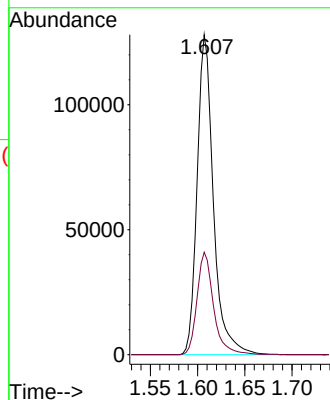
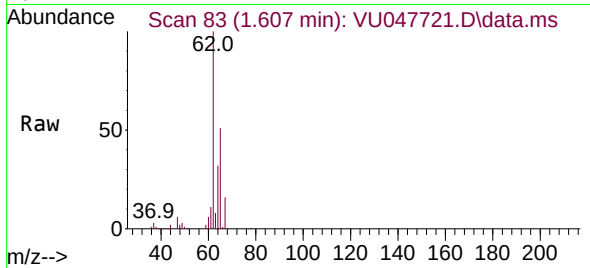




#5
 Vinyl chloride
 Concen: 51.456 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

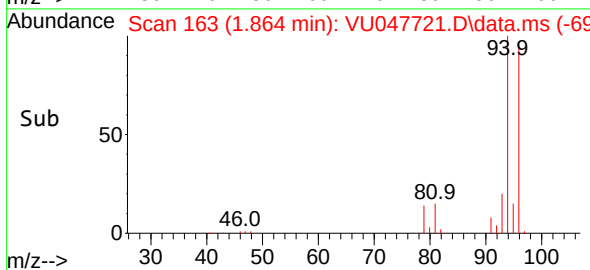
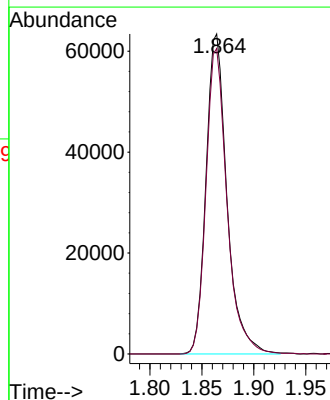
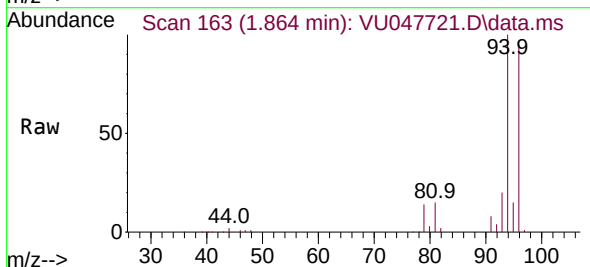
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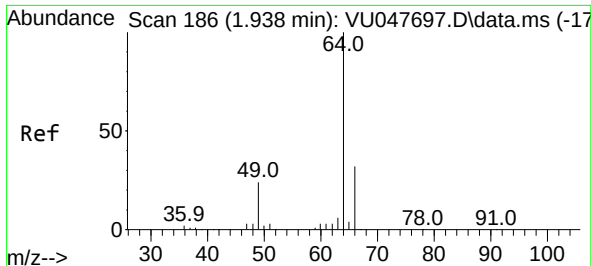
Tgt Ion: 62 Resp: 153082
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.7 43.9



#6
 Bromomethane
 Concen: 55.586 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

Tgt Ion: 94 Resp: 89008
 Ion Ratio Lower Upper
 94 100
 96 95.4 64.8 120.3

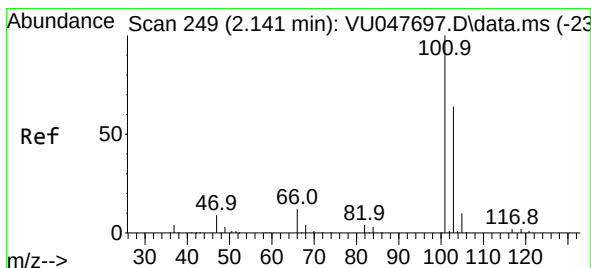
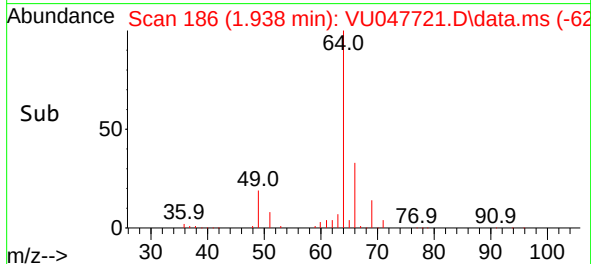
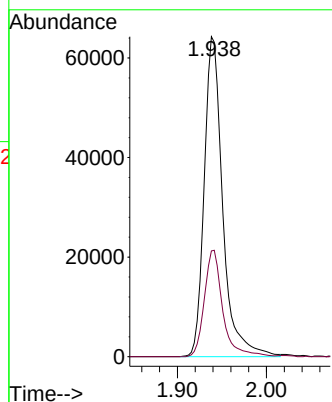
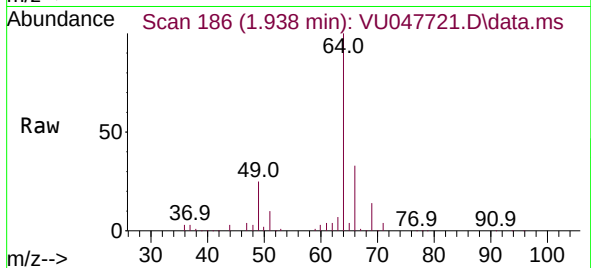




#8
Chloroethane
Concen: 49.689 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

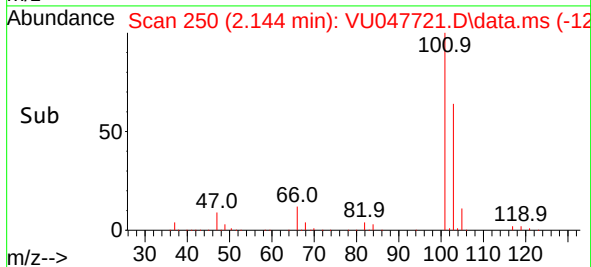
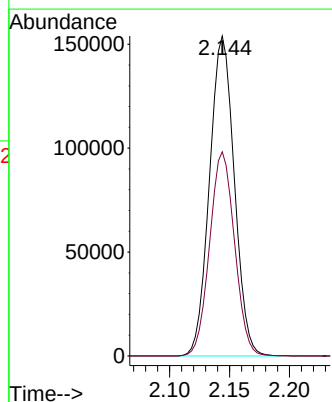
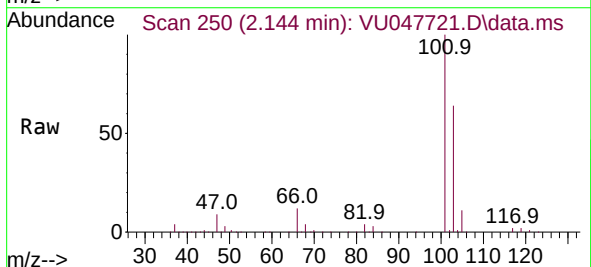
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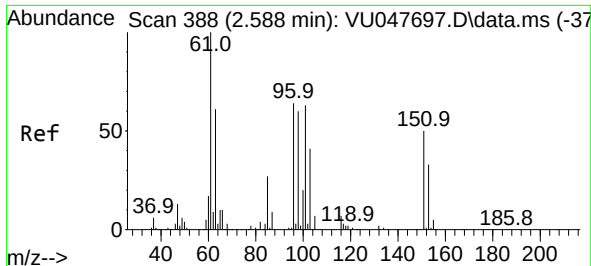
Tgt Ion: 64 Resp: 92799
Ion Ratio Lower Upper
64 100
66 33.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 52.716 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.003 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:101 Resp: 221155
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

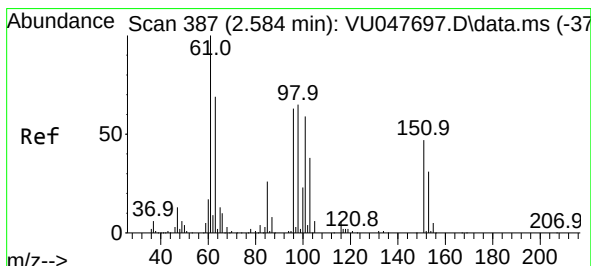
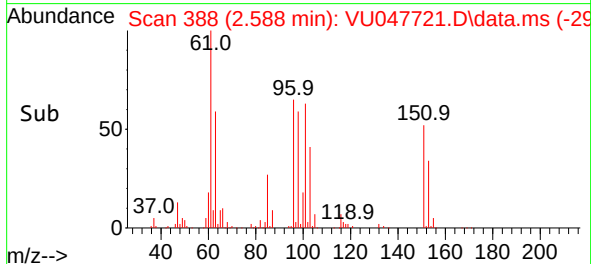
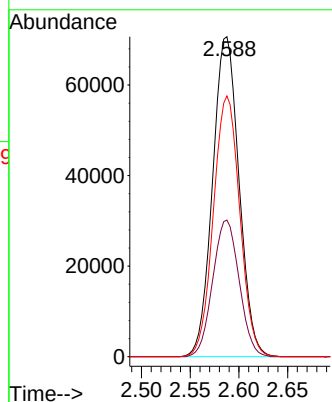
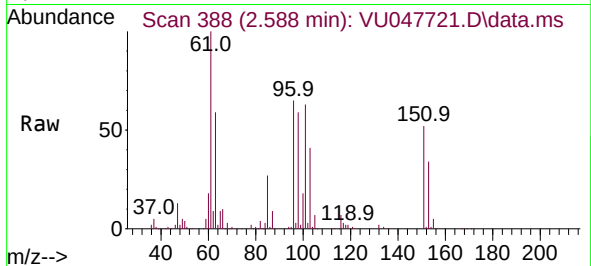




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.028 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

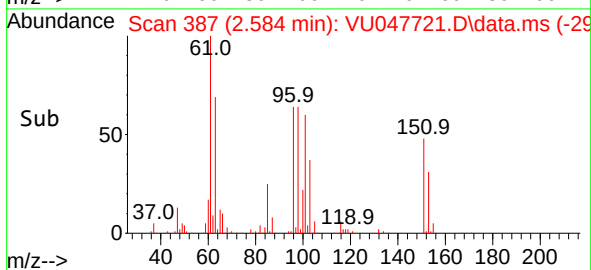
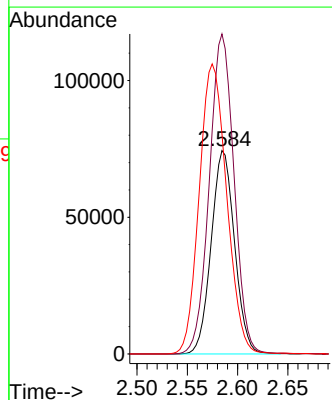
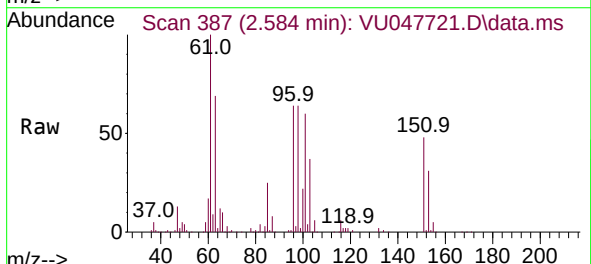
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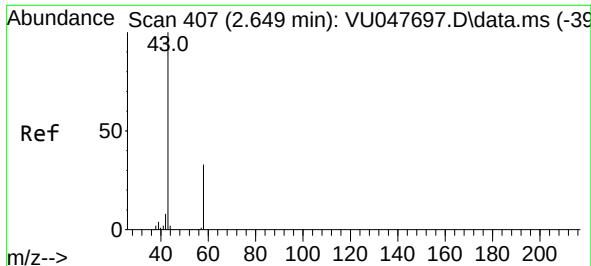
Tgt Ion:101 Resp: 133443
 Ion Ratio Lower Upper
 101 100
 85 42.7 32.8 49.2
 151 81.4 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 53.331 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

Tgt Ion: 96 Resp: 120360
 Ion Ratio Lower Upper
 96 100
 61 157.4 113.1 210.1
 63 108.3 94.8 176.0





#13

Acetone

Concen: 134.762 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.010 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

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MSVOA_U

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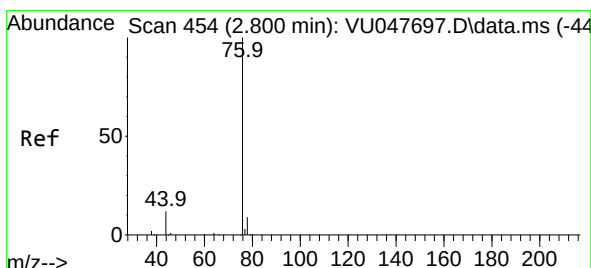
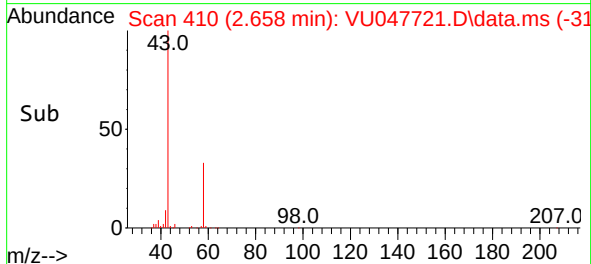
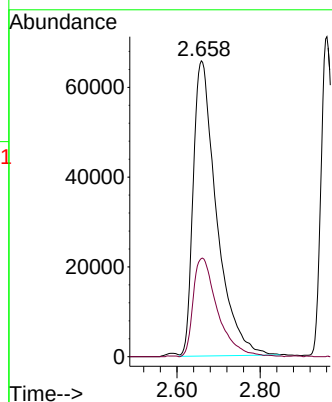
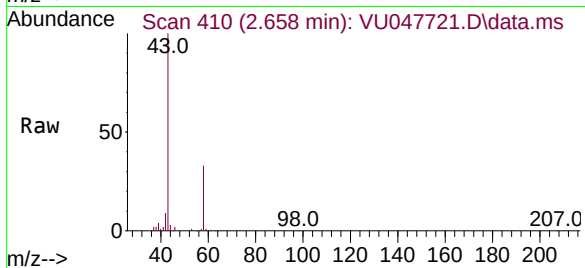
VSTD050181

Tgt Ion: 43 Resp: 256814

Ion Ratio Lower Upper

43 100

58 34.6 0.0 70.0



#14

Carbon disulfide

Concen: 50.484 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047721.D

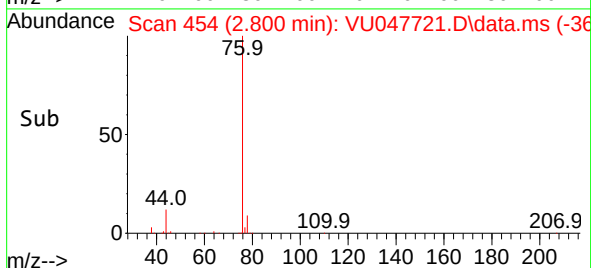
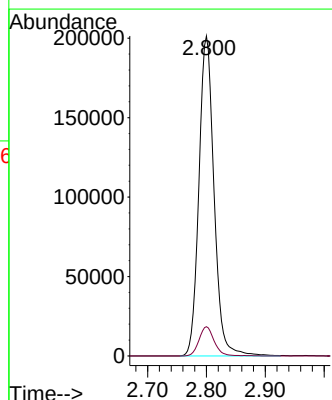
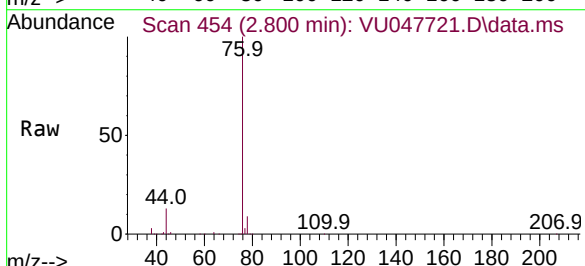
Acq: 28 Mar 2022 11:54

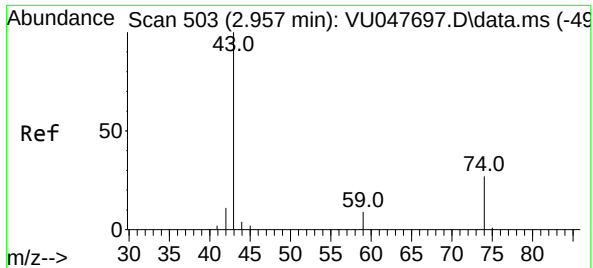
Tgt Ion: 76 Resp: 360140

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

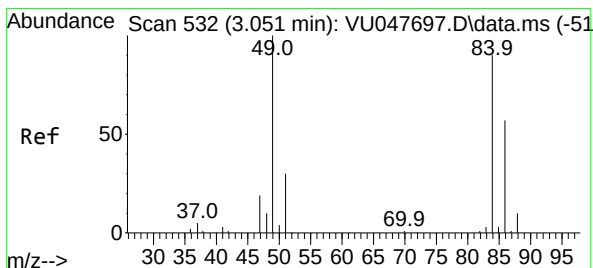
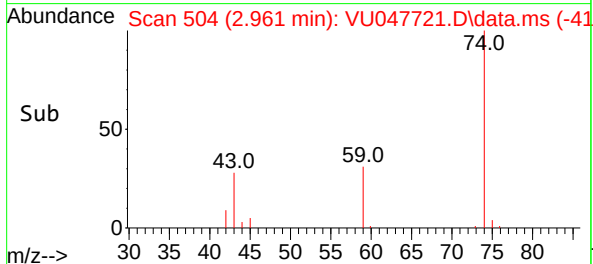
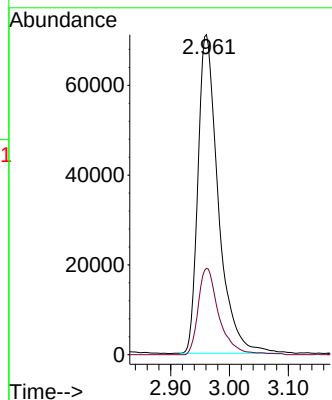
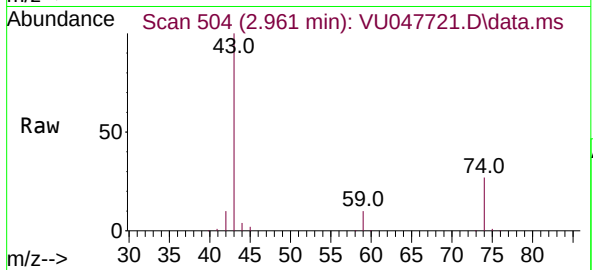




#15
Methyl Acetate
Concen: 56.143 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

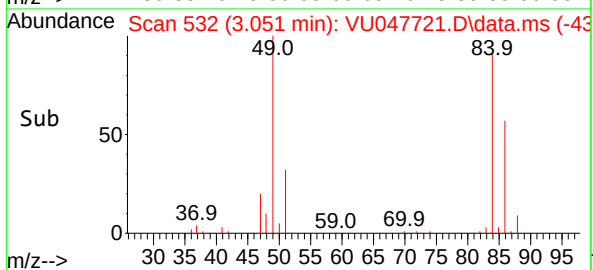
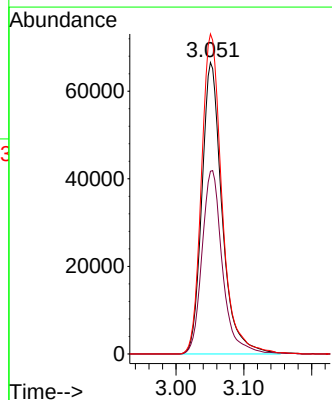
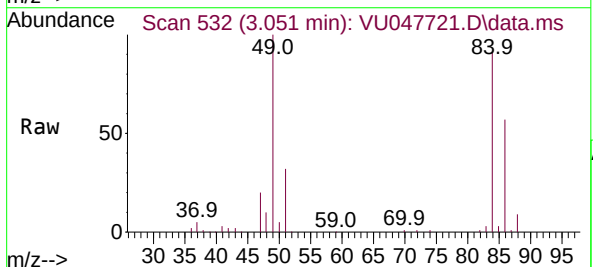
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

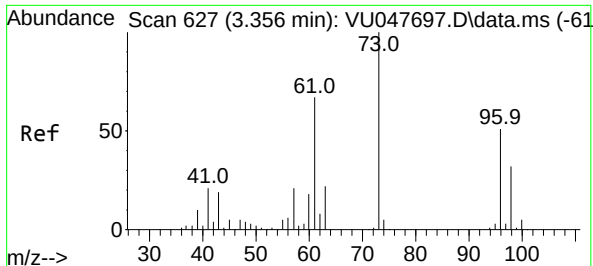
Tgt Ion: 43 Resp: 170607
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.2



#16
Methylene chloride
Concen: 53.291 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 84 Resp: 138012
Ion Ratio Lower Upper
84 100
86 62.7 46.0 85.4
49 109.8 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 52.808 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

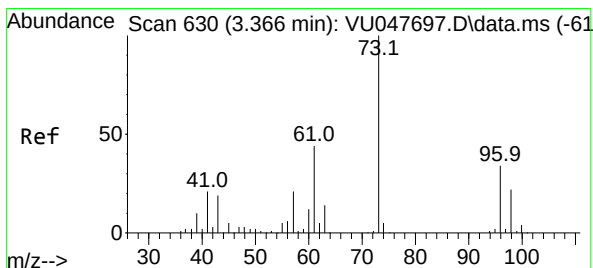
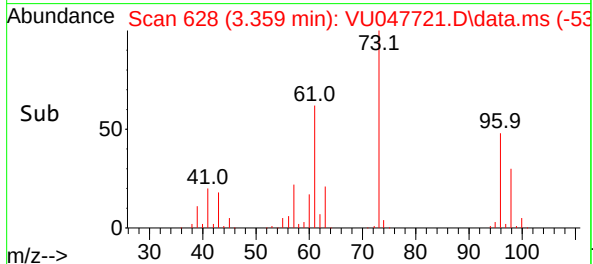
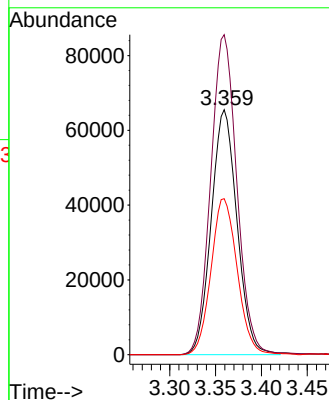
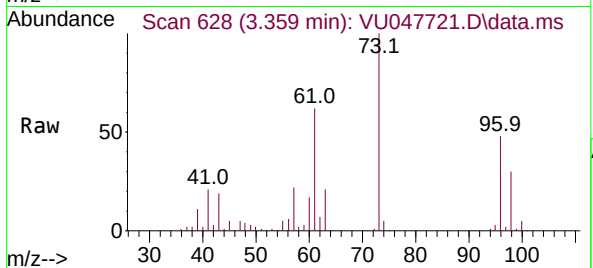
Tgt Ion: 96 Resp: 128547

Ion Ratio Lower Upper

96 100

61 130.6 88.4 164.2

98 63.7 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 55.666 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

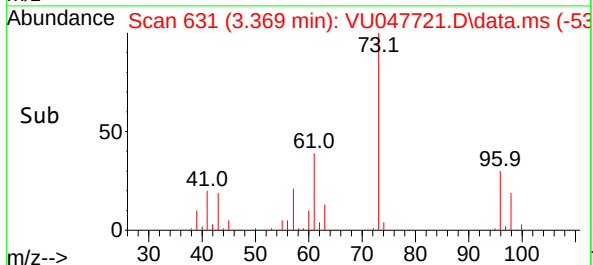
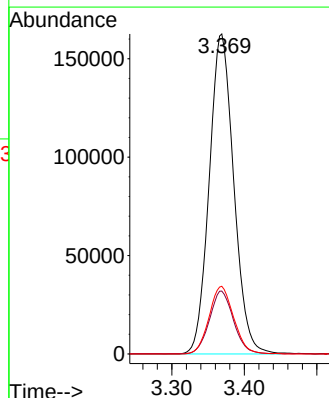
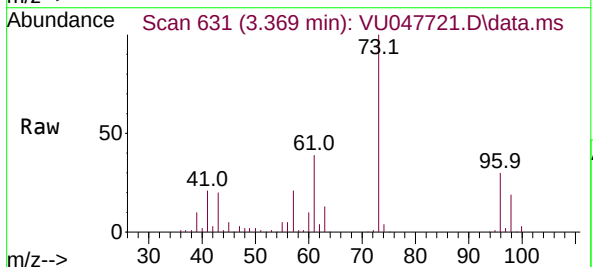
Tgt Ion: 73 Resp: 382285

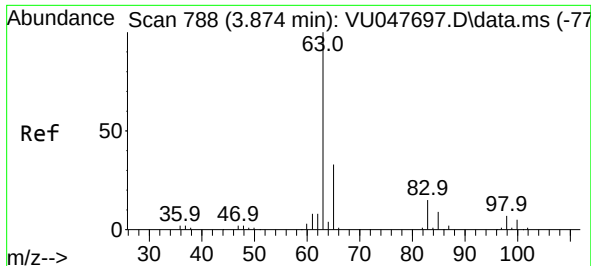
Ion Ratio Lower Upper

73 100

43 19.2 15.3 22.9

57 21.1 17.0 25.6





#19

1,1-Dichloroethane

Concen: 55.053 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

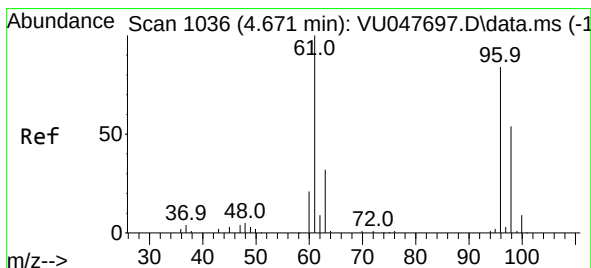
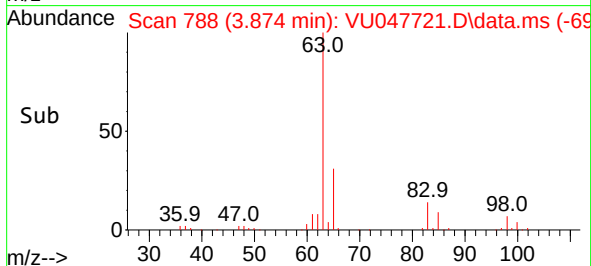
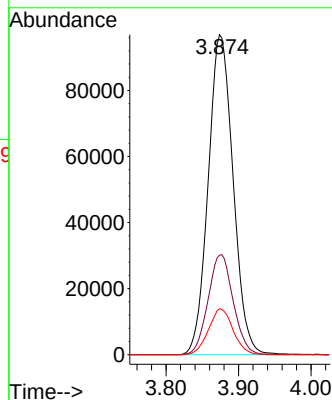
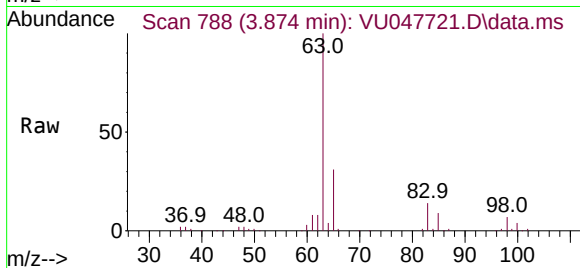
Tgt Ion: 63 Resp: 231125

Ion Ratio Lower Upper

63 100

65 31.2 22.0 41.0

83 14.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 54.502 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

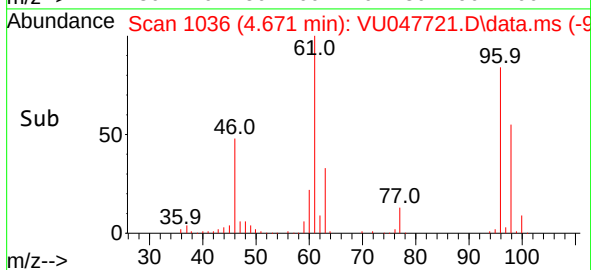
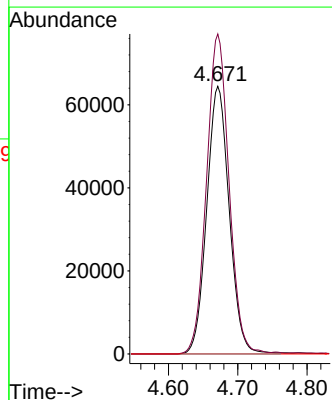
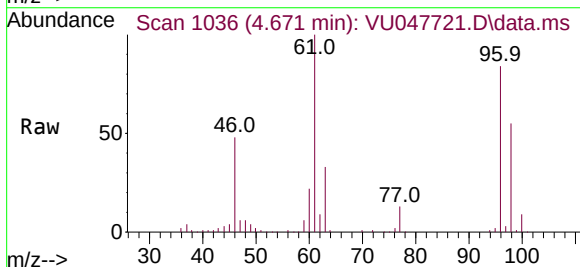
Tgt Ion: 96 Resp: 145447

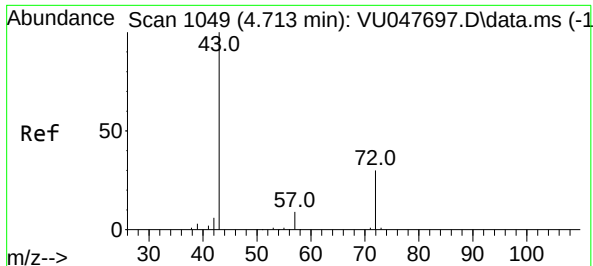
Ion Ratio Lower Upper

96 100

61 119.5 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 121.610 ug/L

RT: 4.719 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

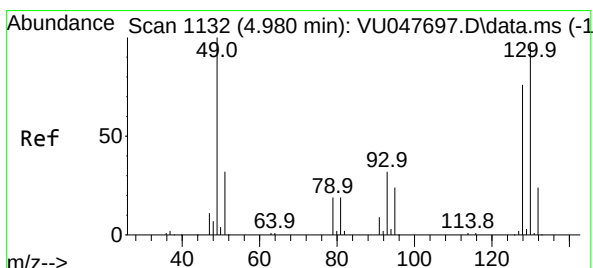
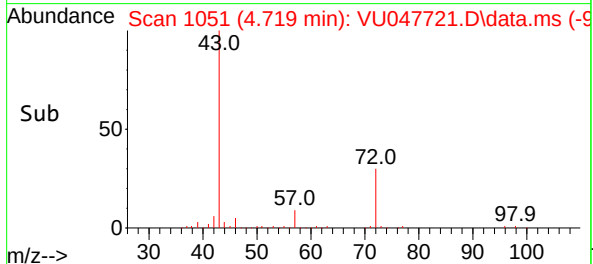
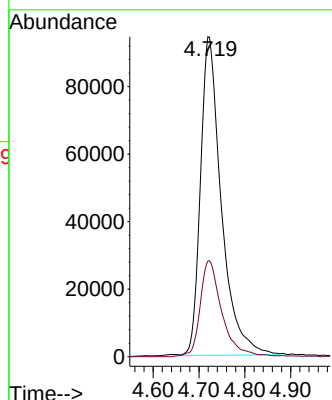
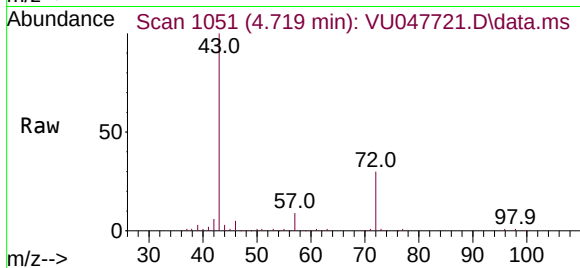
VSTD050181

Tgt Ion: 43 Resp: 298535

Ion Ratio Lower Upper

43 100

72 30.9 16.0 47.9



#23

Bromochloromethane

Concen: 55.736 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Tgt Ion:128 Resp: 81665

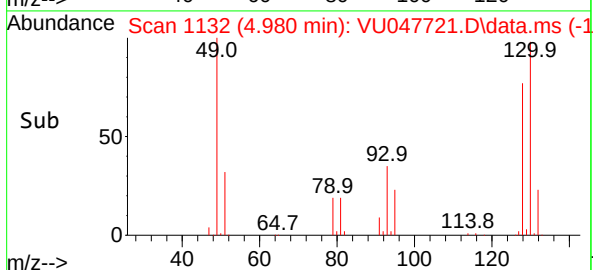
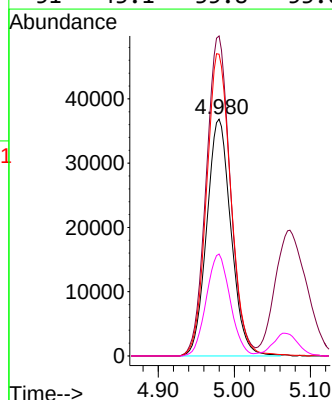
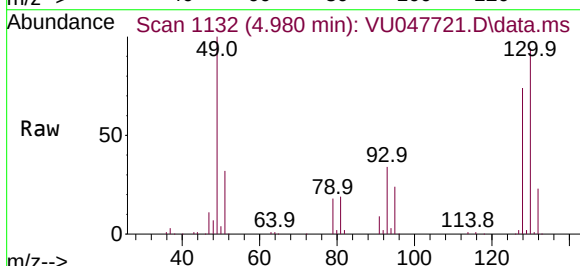
Ion Ratio Lower Upper

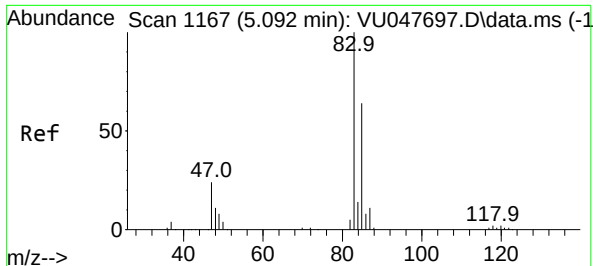
128 100

49 135.1 94.1 174.8

130 127.4 90.2 167.4

51 43.1 35.8 53.6





#25

Chloroform

Concen: 54.899 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

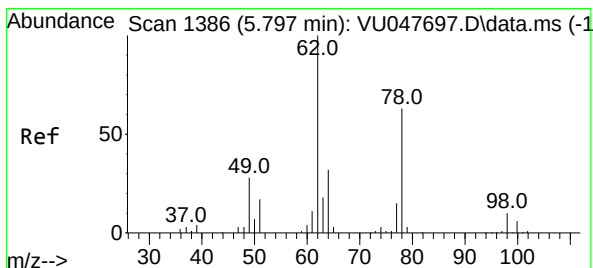
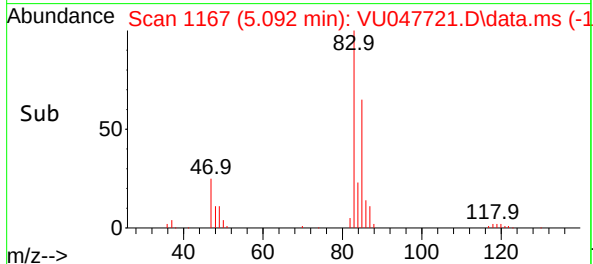
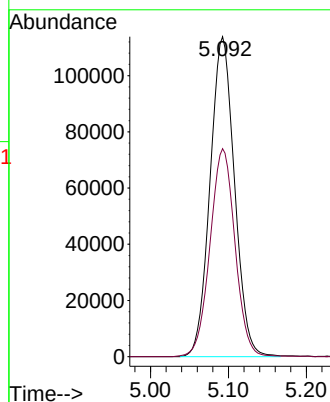
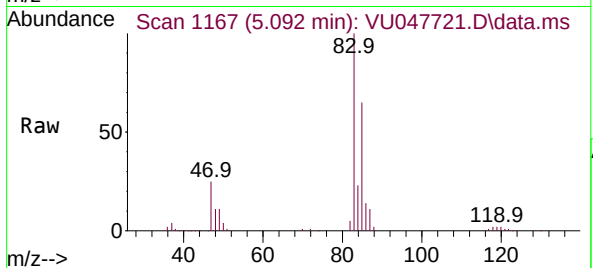
VSTD050181

Tgt Ion: 83 Resp: 248138

Ion Ratio Lower Upper

83 100

85 65.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 54.413 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU047721.D

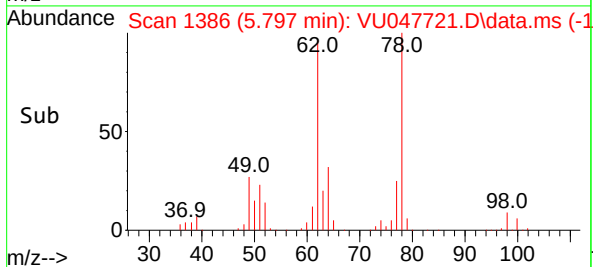
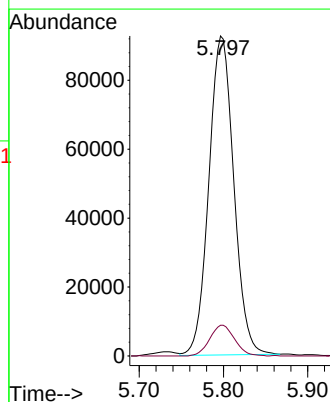
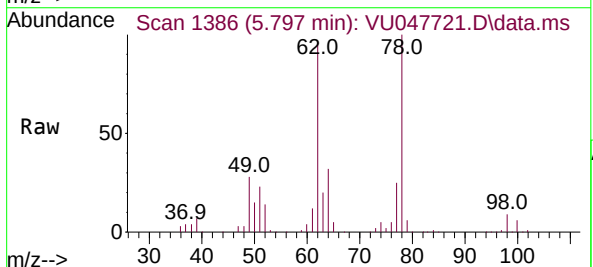
Acq: 28 Mar 2022 11:54

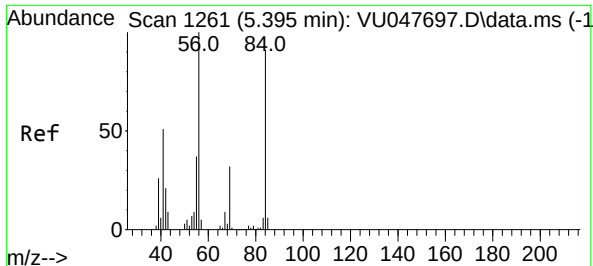
Tgt Ion: 62 Resp: 190013

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 56.709 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

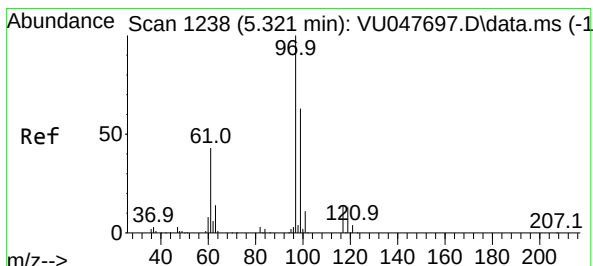
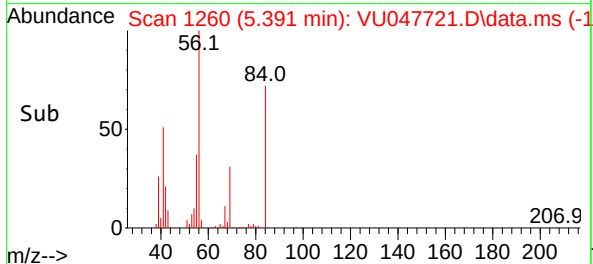
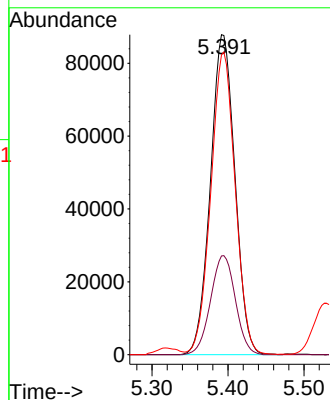
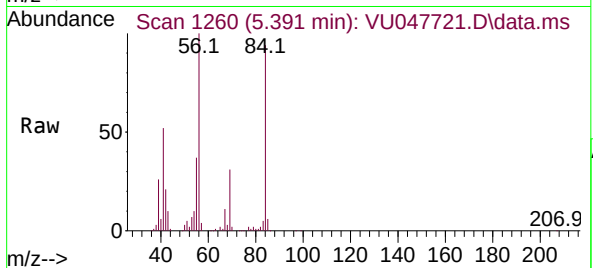
Tgt Ion: 56 Resp: 196458

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.2

84 94.2 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 55.508 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

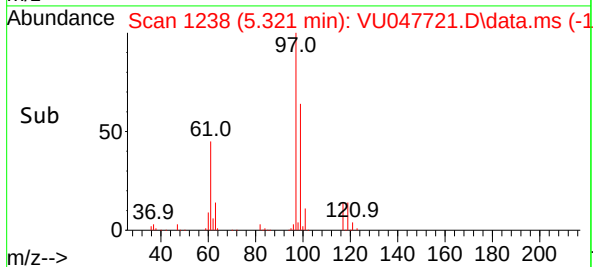
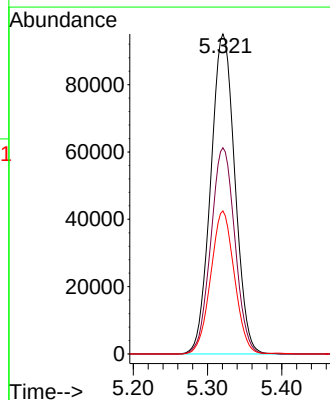
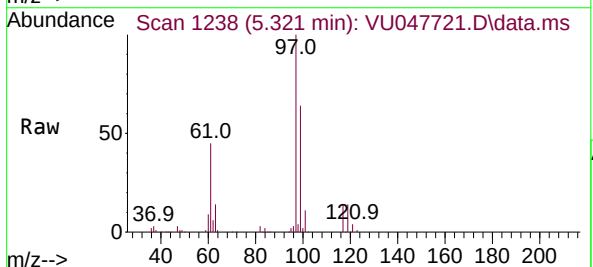
Tgt Ion: 97 Resp: 214881

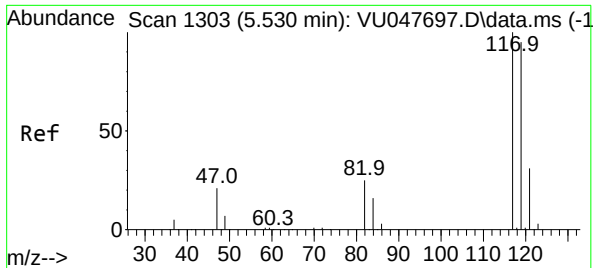
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 43.9 34.2 51.4

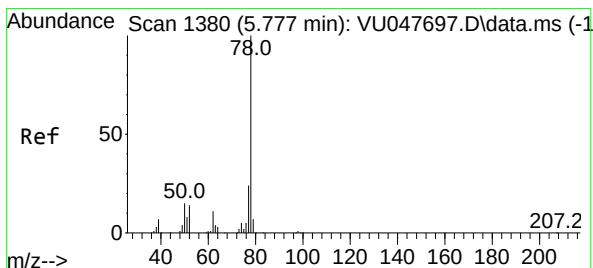
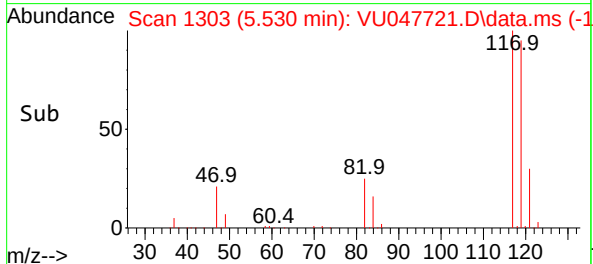
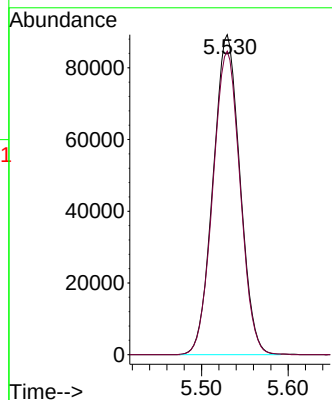
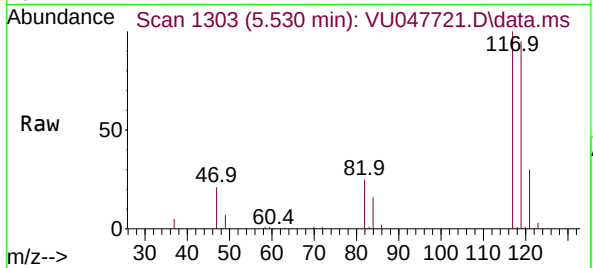




#31
Carbon tetrachloride
Concen: 55.100 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

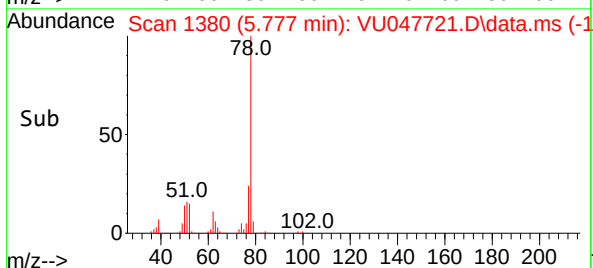
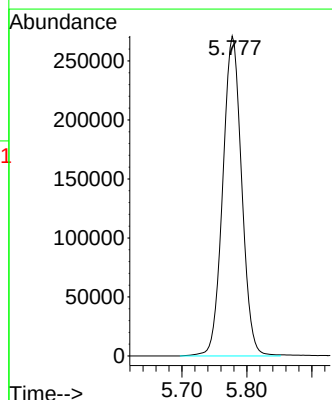
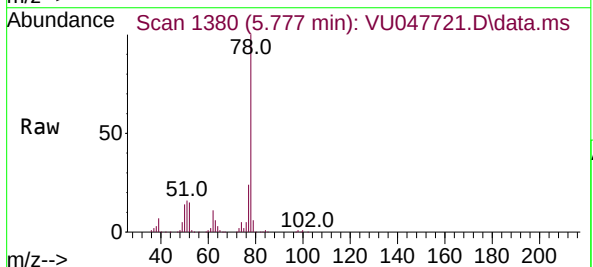
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

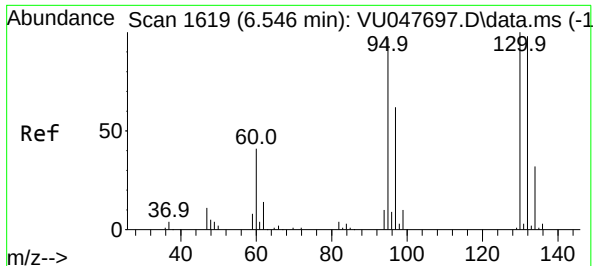
Tgt Ion:117 Resp: 192614
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8



#33
Benzene
Concen: 55.380 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 78 Resp: 547267

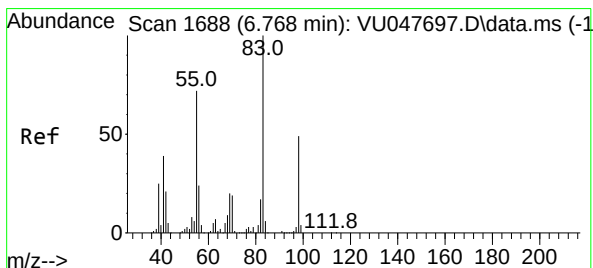
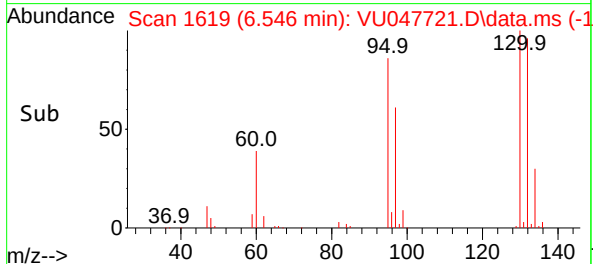
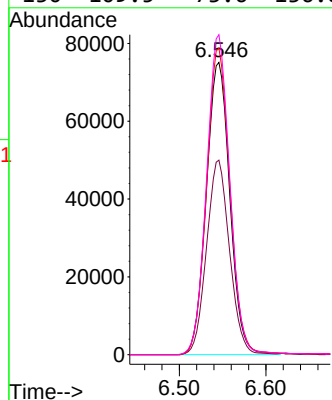
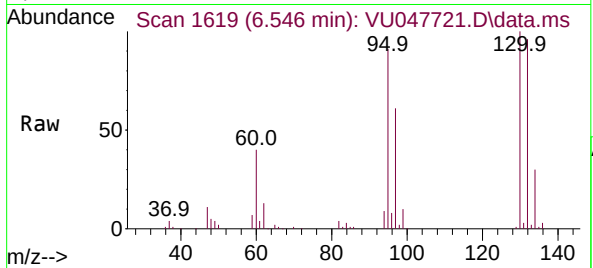




#34
Trichloroethene
Concen: 54.913 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

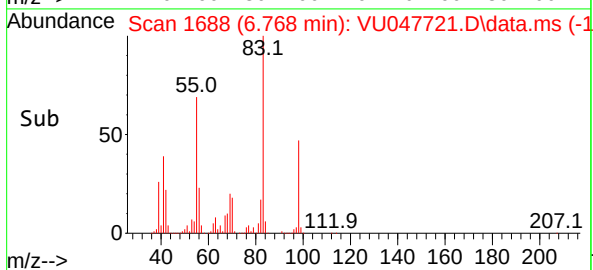
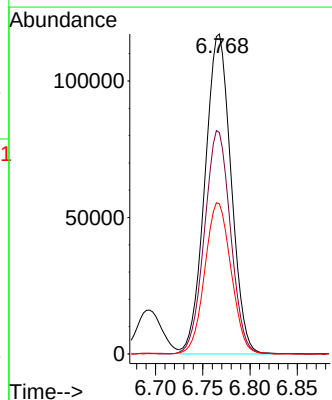
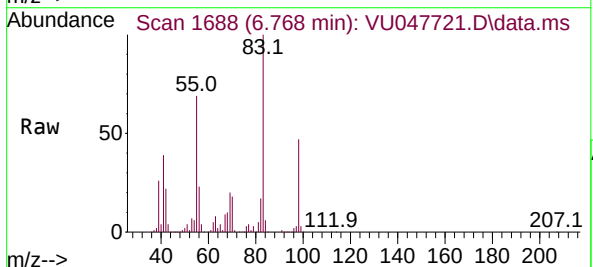
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

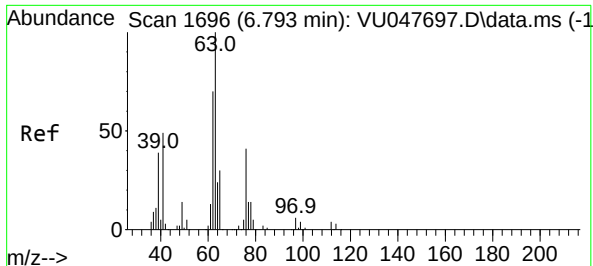
Tgt Ion: 95 Resp: 142269
Ion Ratio Lower Upper
95 100
97 66.6 44.7 82.9
132 104.8 70.4 130.8
130 109.5 73.6 136.8



#35
Methylcyclohexane
Concen: 57.225 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 83 Resp: 225550
Ion Ratio Lower Upper
83 100
55 69.8 56.8 85.2
98 47.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 56.805 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

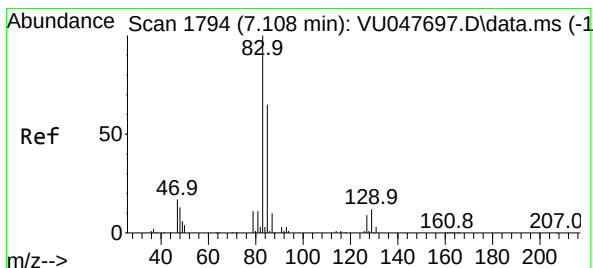
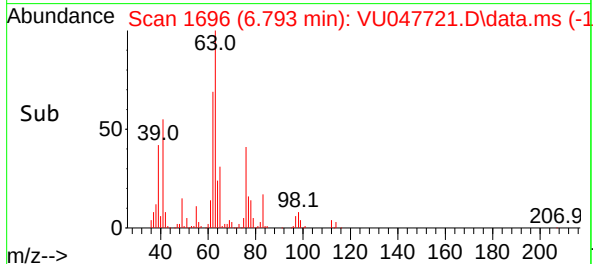
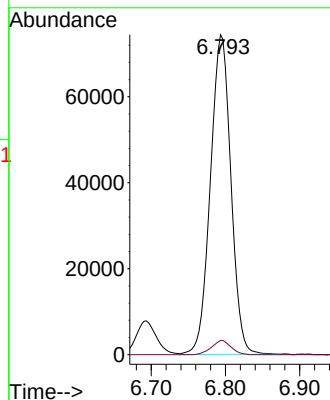
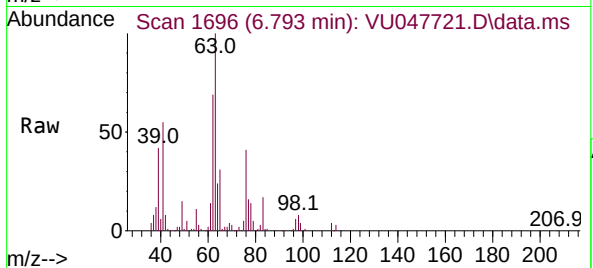
VSTD050181

Tgt Ion: 63 Resp: 142704

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 55.981 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

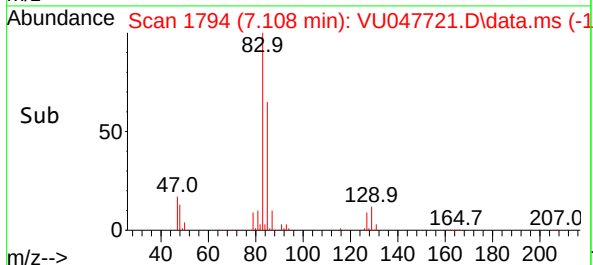
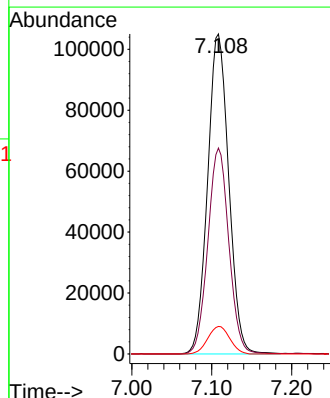
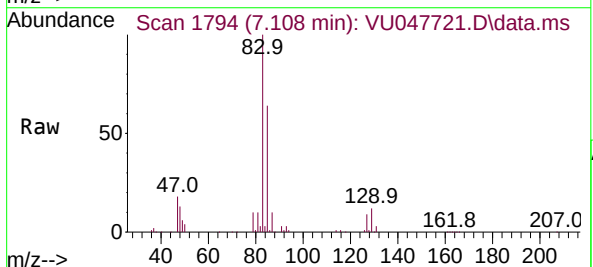
Tgt Ion: 83 Resp: 193121

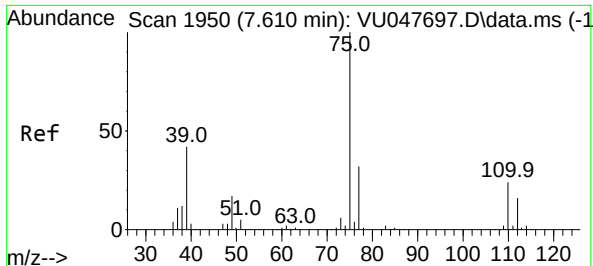
Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.4

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 57.163 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

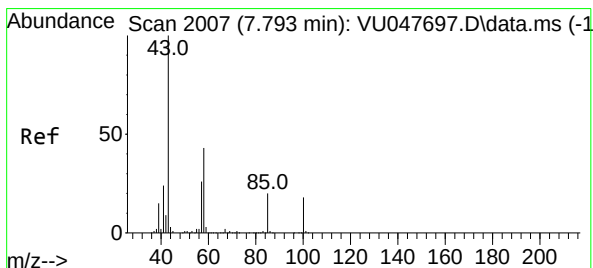
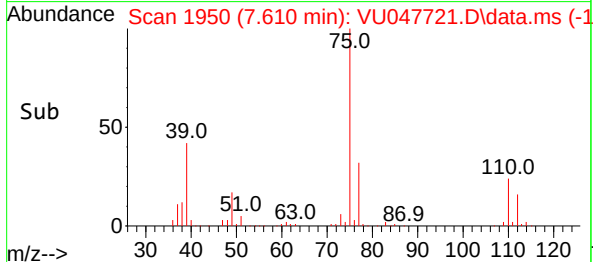
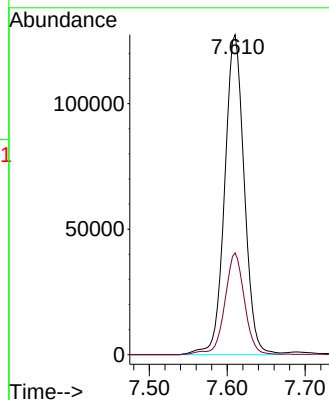
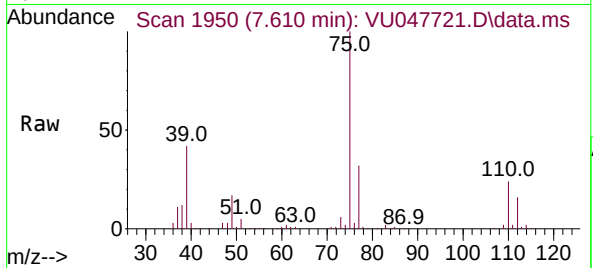
VSTD050181

Tgt Ion: 75 Resp: 222821

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 113.803 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

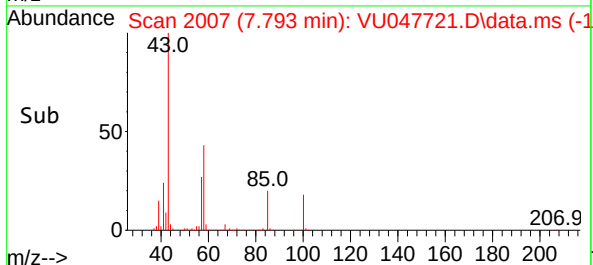
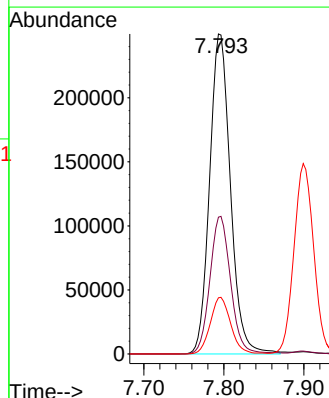
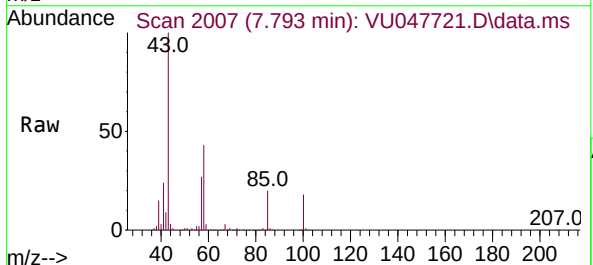
Tgt Ion: 43 Resp: 451853

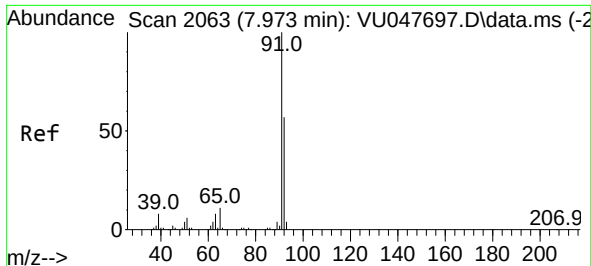
Ion Ratio Lower Upper

43 100

58 42.9 34.7 52.1

100 17.4 14.2 21.2





#42

Toluene

Concen: 56.168 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

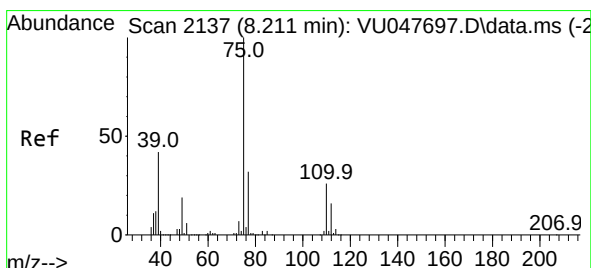
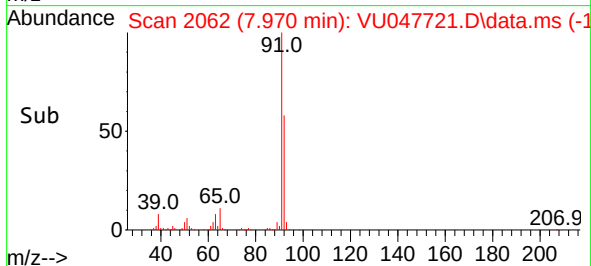
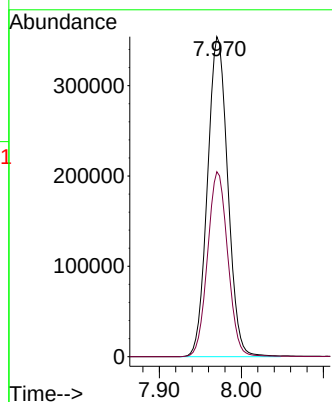
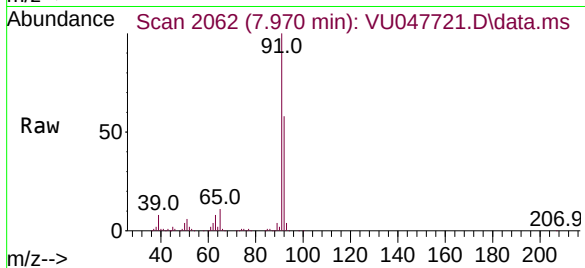
VSTD050181

Tgt Ion: 91 Resp: 609037

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 56.687 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047721.D

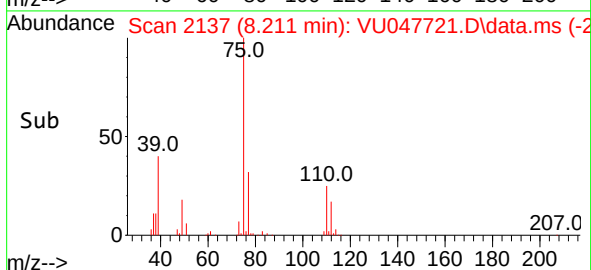
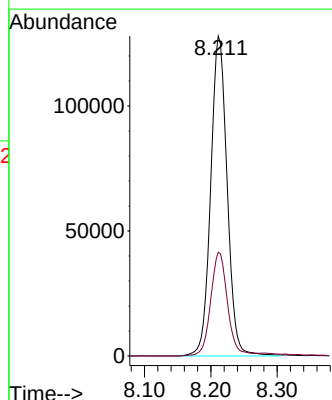
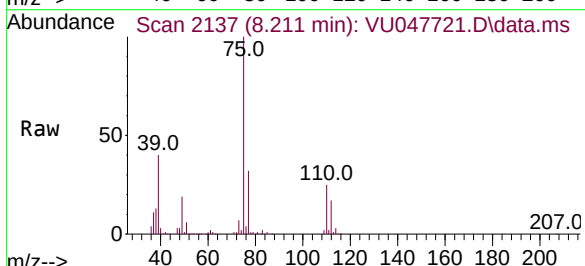
Acq: 28 Mar 2022 11:54

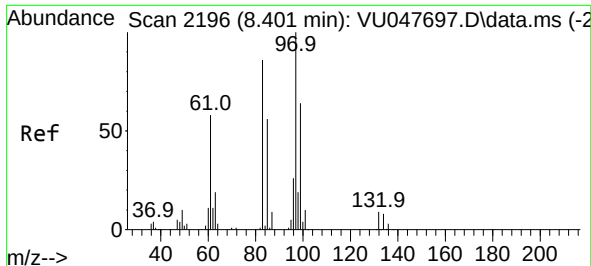
Tgt Ion: 75 Resp: 220622

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8

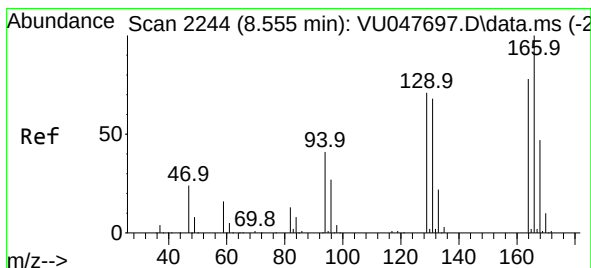
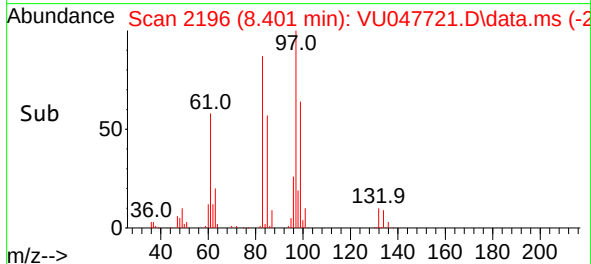
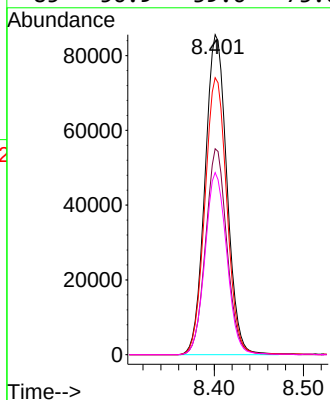
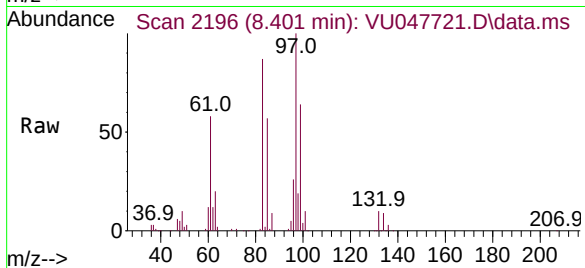




#45
1,1,2-Trichloroethane
Concen: 54.915 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

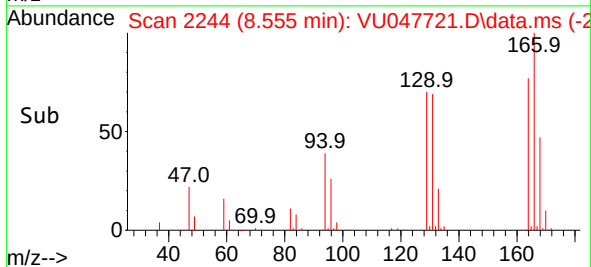
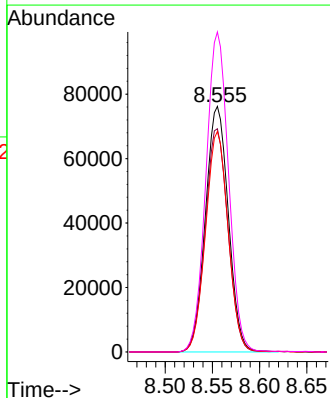
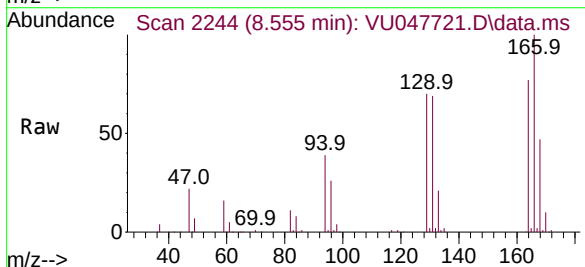
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

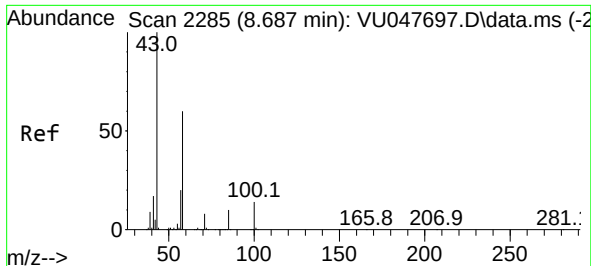
Tgt Ion:	97	Resp:	146313
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.3	80.3
83	86.5	61.0	113.4
85	56.9	39.6	73.6



#46
Tetrachloroethene
Concen: 55.373 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:	164	Resp:	128918
Ion	Ratio	Lower	Upper
164	100		
129	90.9	62.4	116.0
131	89.8	60.7	112.7
166	130.3	89.0	165.4

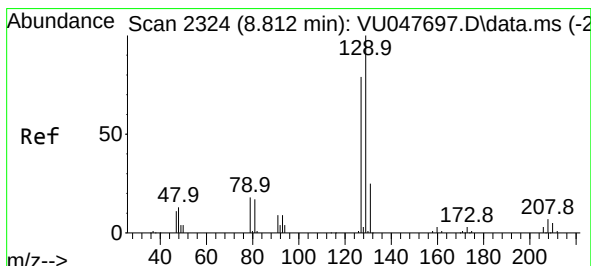
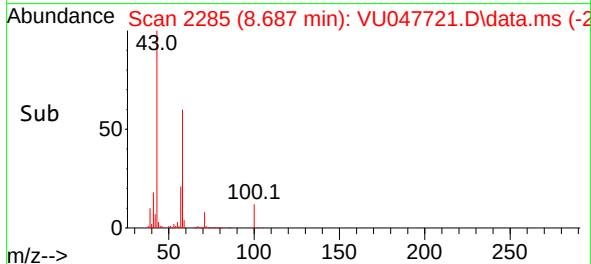
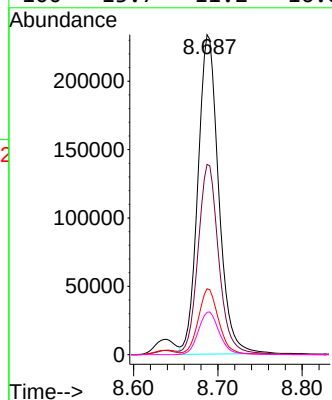
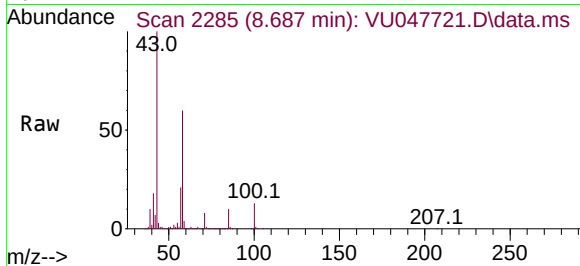




#48
2-Hexanone
Concen: 117.175 ug/L
RT: 8.687 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

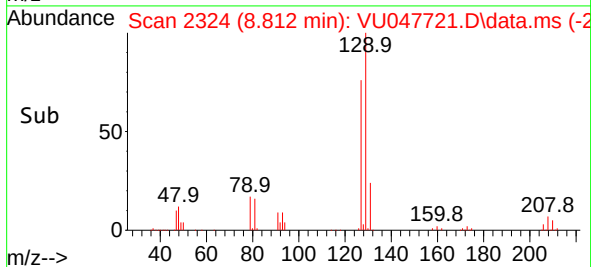
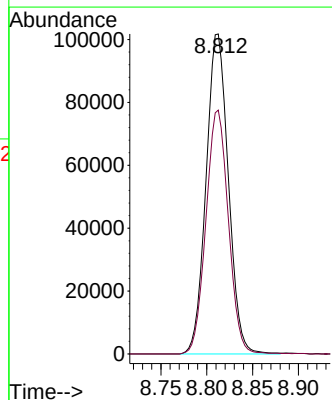
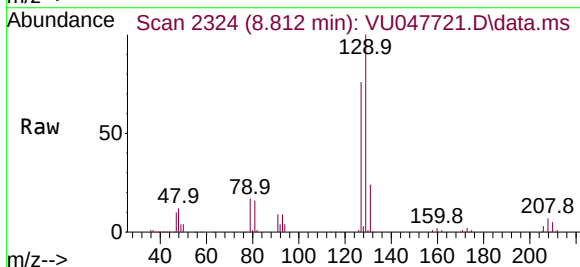
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

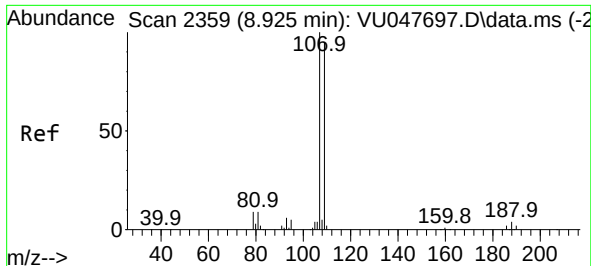
Tgt Ion: 43 Resp: 400192
Ion Ratio Lower Upper
43 100
58 59.3 48.1 72.1
57 20.2 16.2 24.4
100 13.7 11.2 16.8



#49
Dibromochloromethane
Concen: 55.801 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:129 Resp: 172198
Ion Ratio Lower Upper
129 100
127 76.2 54.2 100.6





#50

1,2-Dibromoethane

Concen: 55.626 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

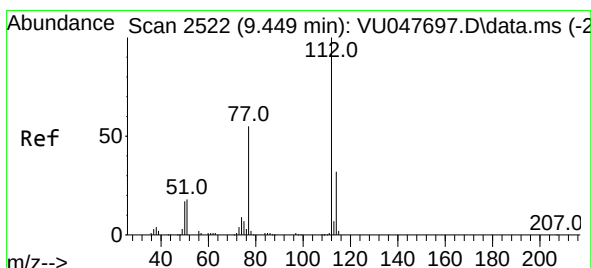
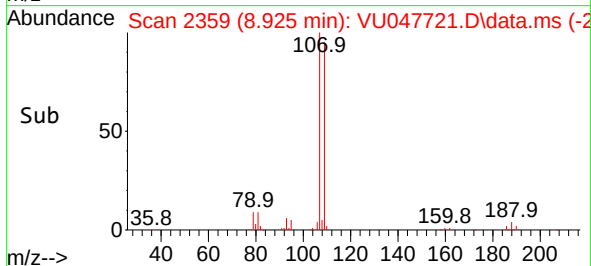
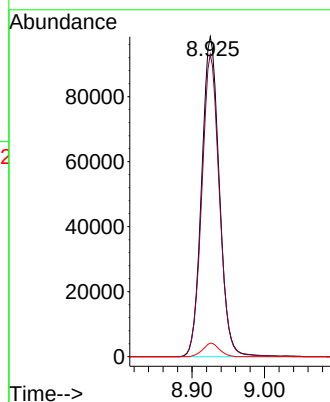
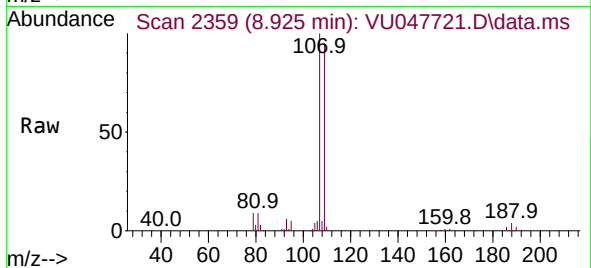
Tgt Ion:107 Resp: 166150

Ion Ratio Lower Upper

107 100

109 94.5 66.6 123.6

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 55.305 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

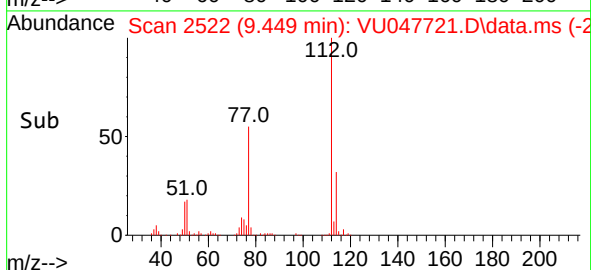
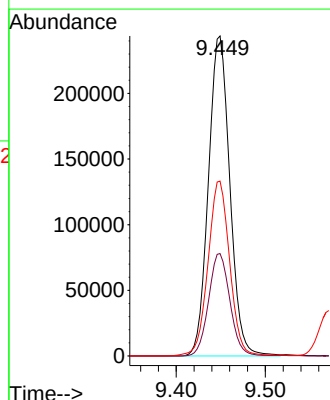
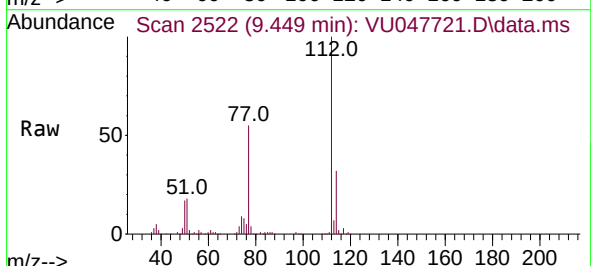
Tgt Ion:112 Resp: 407171

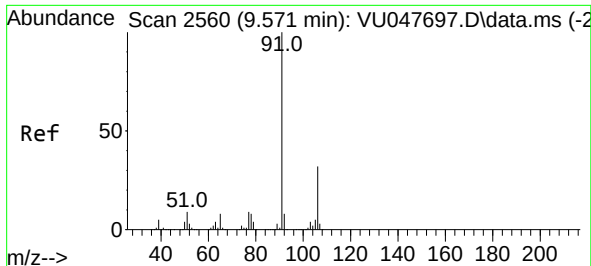
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 54.6 43.4 65.0

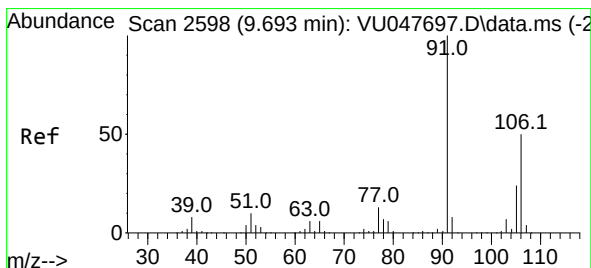
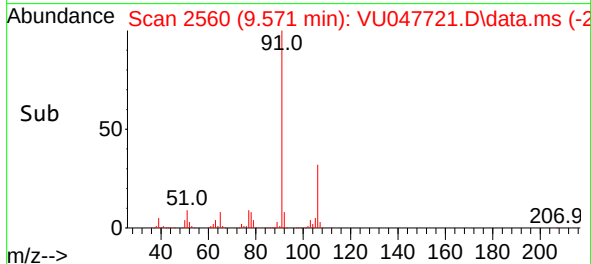
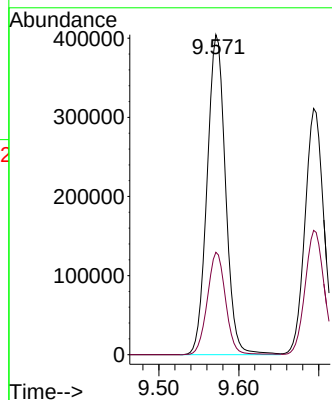
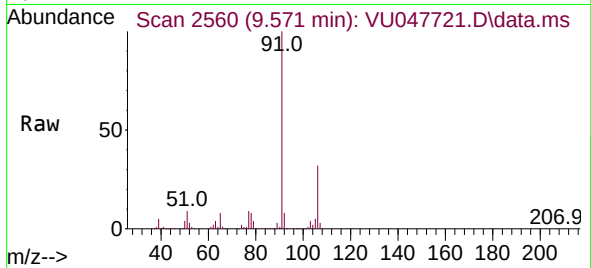




#52
Ethylbenzene
Concen: 56.901 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

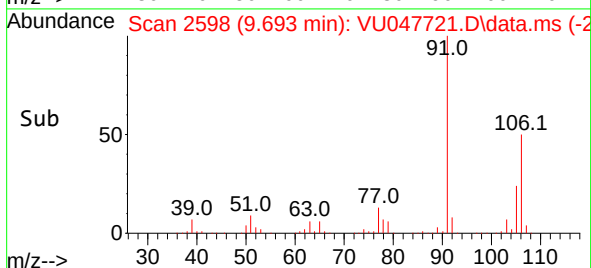
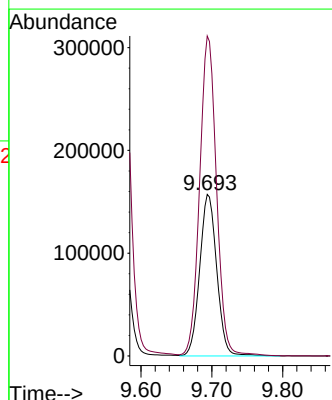
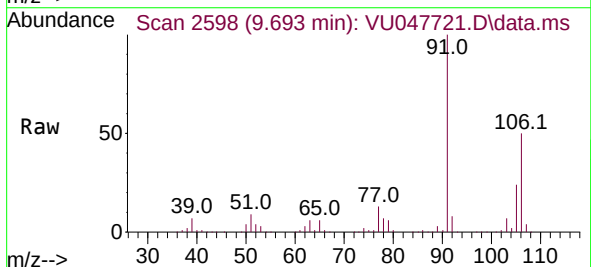
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

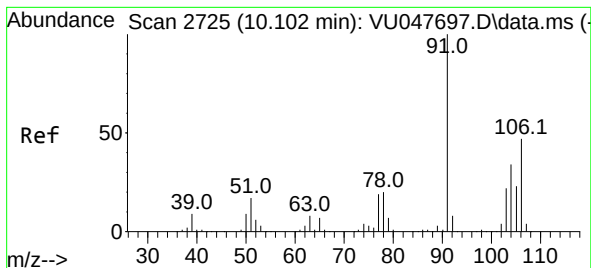
Tgt Ion: 91 Resp: 648737
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-Xylene
Concen: 58.543 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 106 Resp: 261895
Ion Ratio Lower Upper
106 100
91 198.0 137.7 255.7





#54

o-Xylene

Concen: 56.889 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

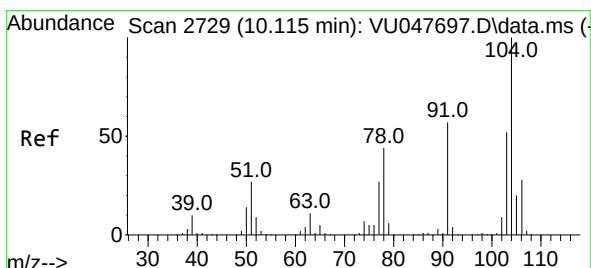
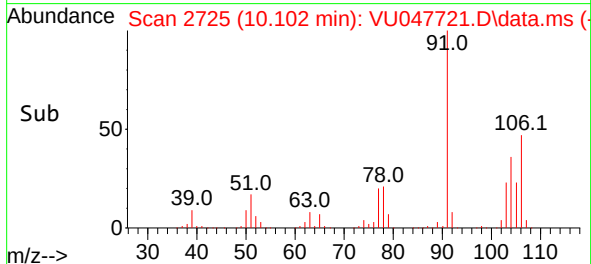
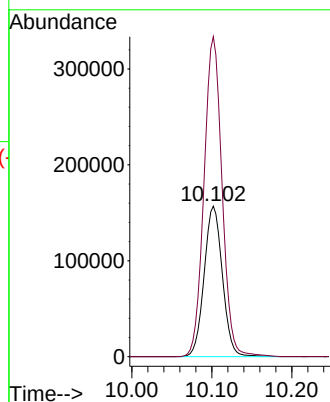
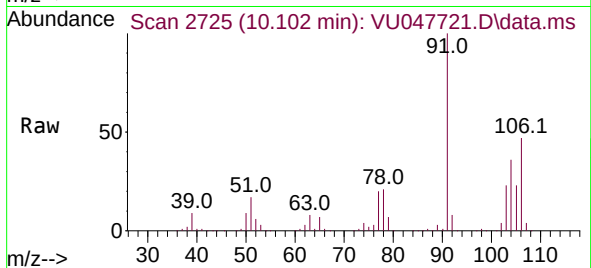
VSTD050181

Tgt Ion:106 Resp: 249781

Ion Ratio Lower Upper

106 100

91 212.5 146.7 272.5



#55

Styrene

Concen: 57.890 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU047721.D

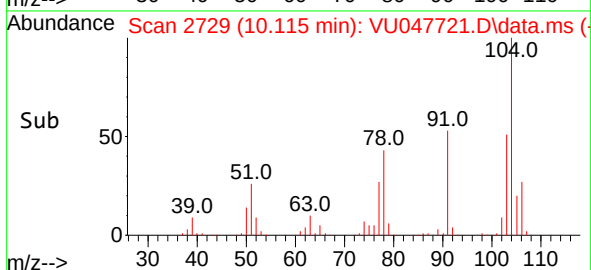
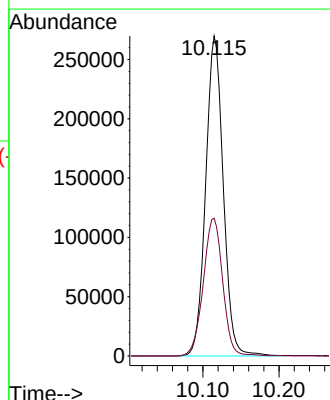
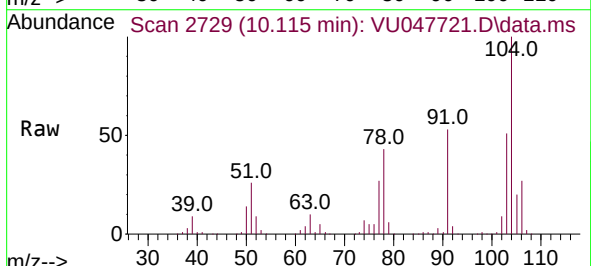
Acq: 28 Mar 2022 11:54

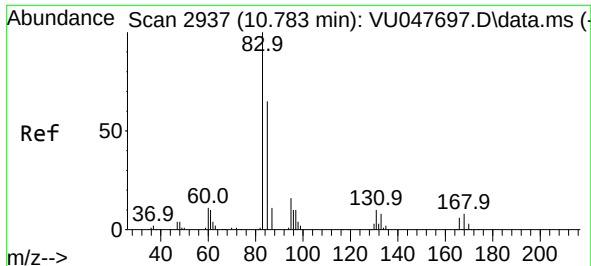
Tgt Ion:104 Resp: 433959

Ion Ratio Lower Upper

104 100

78 43.1 30.4 56.4

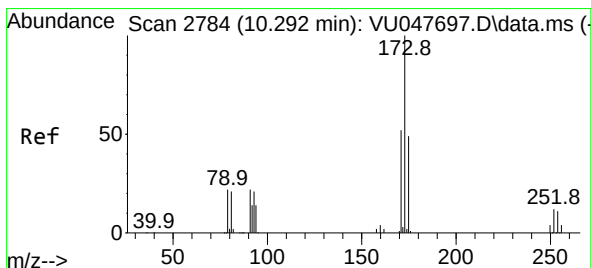
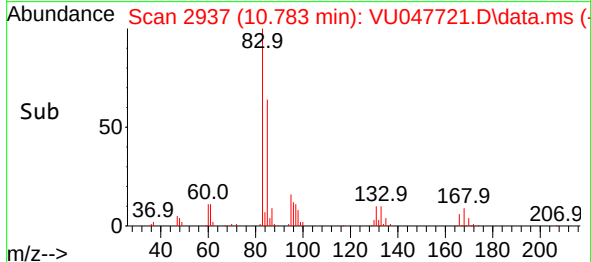
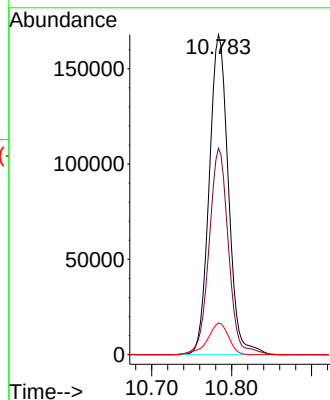
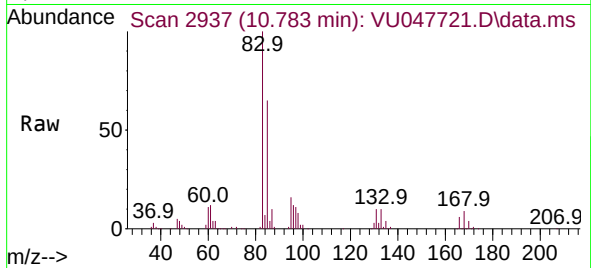




#57
1,1,2,2-Tetrachloroethane
Concen: 55.871 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

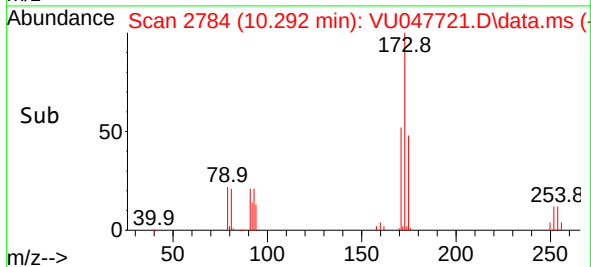
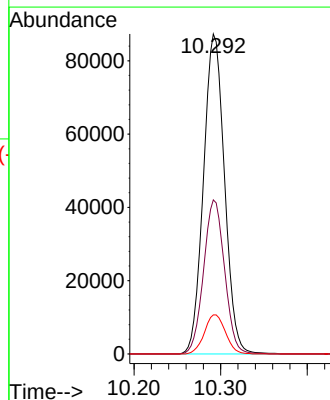
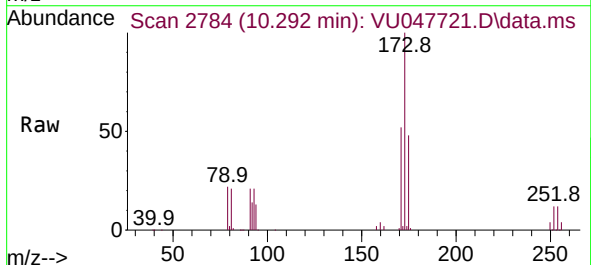
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

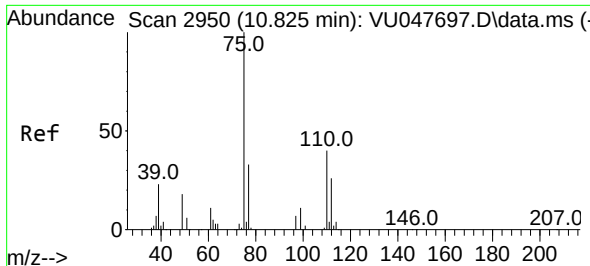
Tgt Ion:	83	Resp:	279073
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.9	83.3
131	9.9	8.6	13.0



#59
Bromoform
Concen: 55.762 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:	173	Resp:	147488
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.7	58.1
254	12.3	9.6	14.4

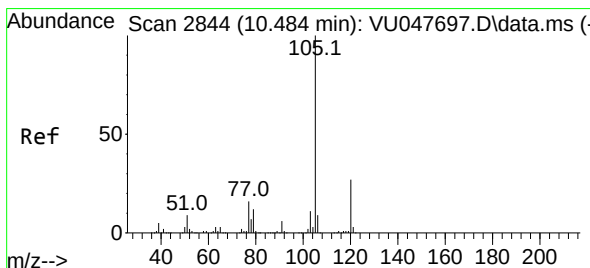
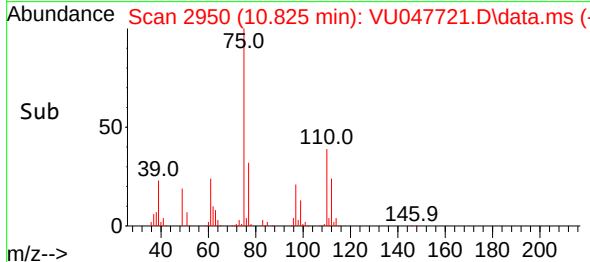
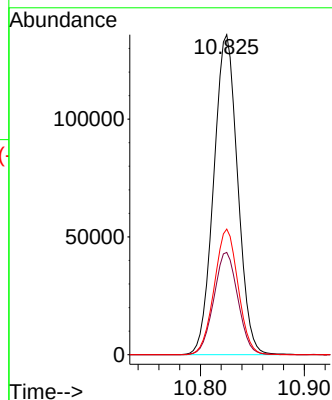
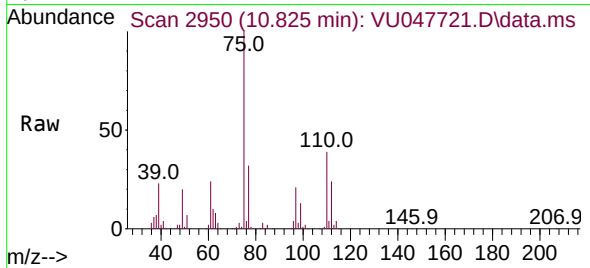




#60
1,2,3-Trichloropropane
Concen: 55.799 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

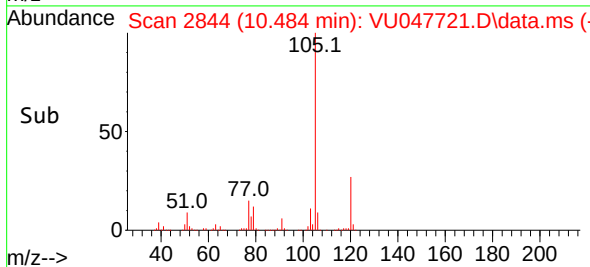
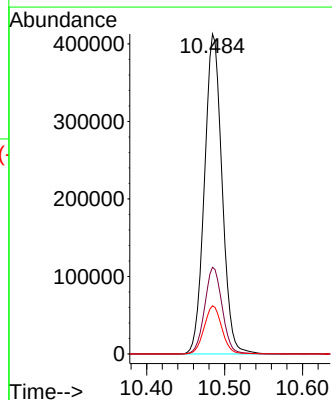
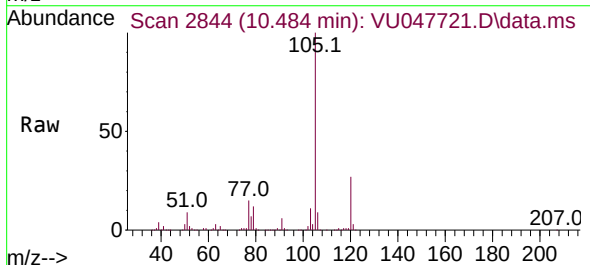
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

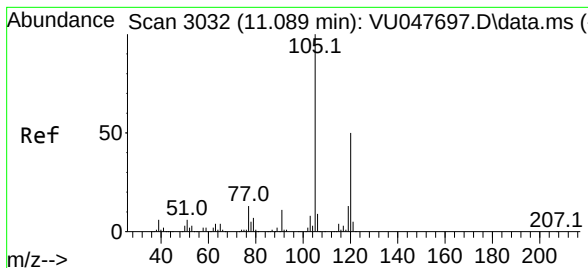
Tgt Ion: 75 Resp: 217577
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 39.0 31.4 47.2



#61
Isopropylbenzene
Concen: 57.775 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion: 105 Resp: 645848
Ion Ratio Lower Upper
105 100
120 27.1 21.9 32.9
77 15.2 12.1 18.1

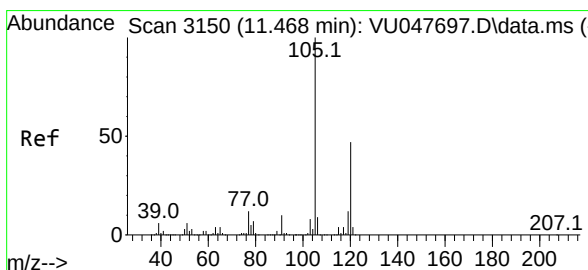
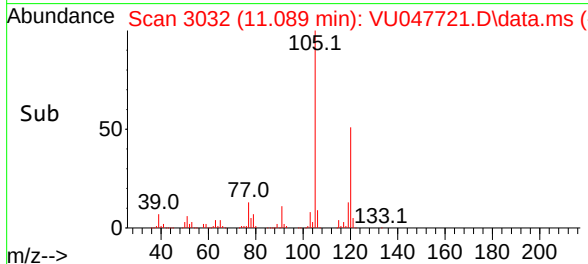
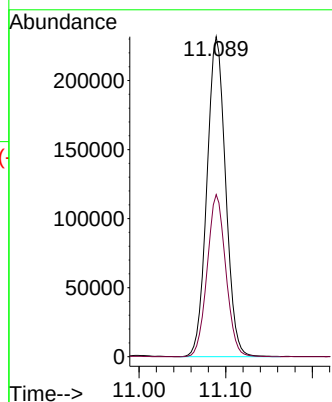
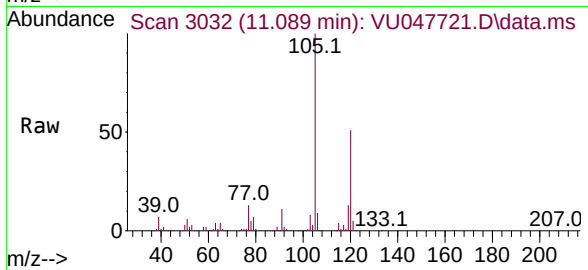




#62
 1,3,5-Trimethylbenzene
 Concen: 57.242 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

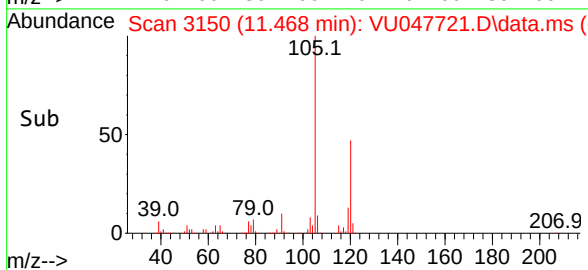
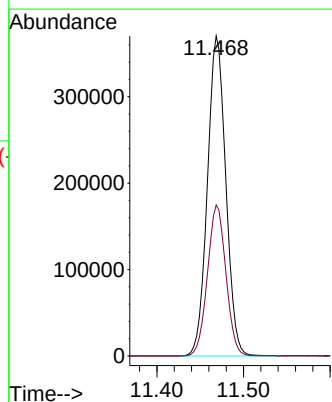
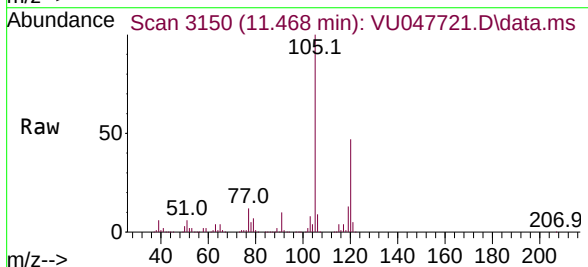
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

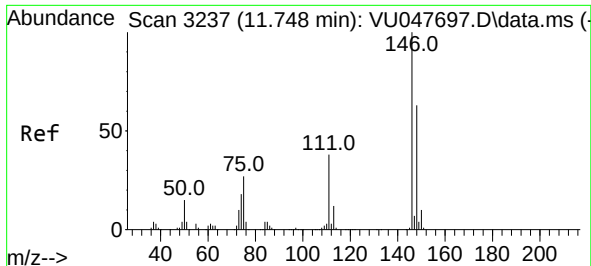
Tgt Ion:105 Resp: 347188
 Ion Ratio Lower Upper
 105 100
 120 50.4 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 59.318 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

Tgt Ion:105 Resp: 546505
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.6 56.4

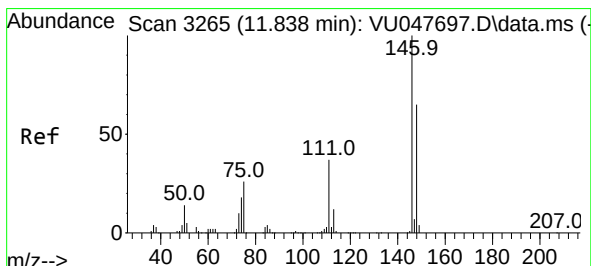
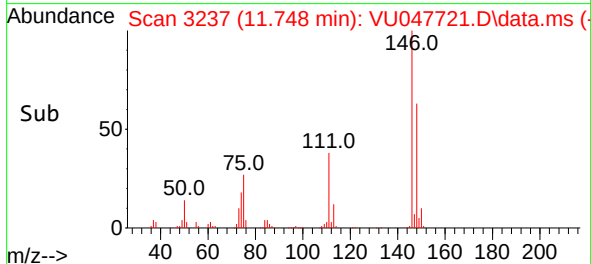
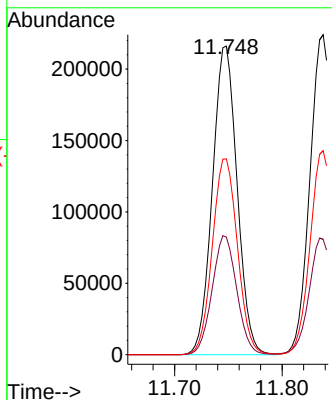
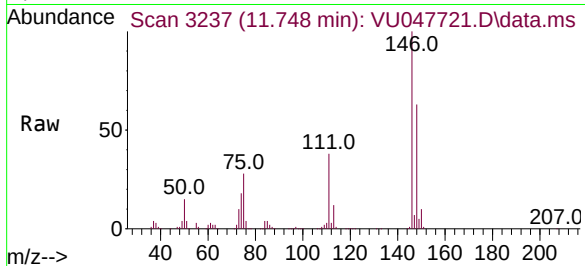




#64
1,3-Dichlorobenzene
Concen: 55.490 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

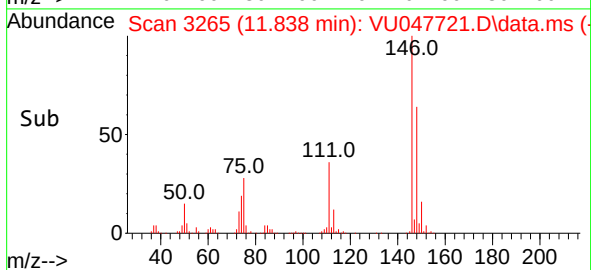
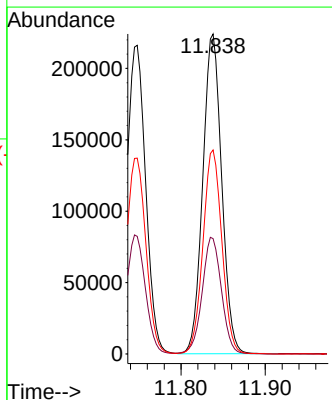
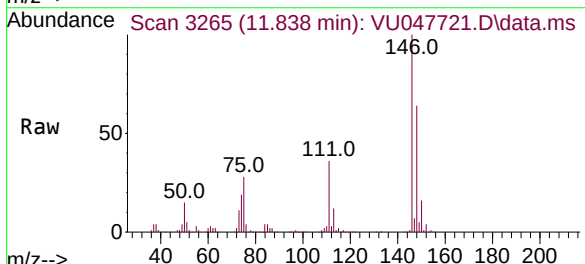
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

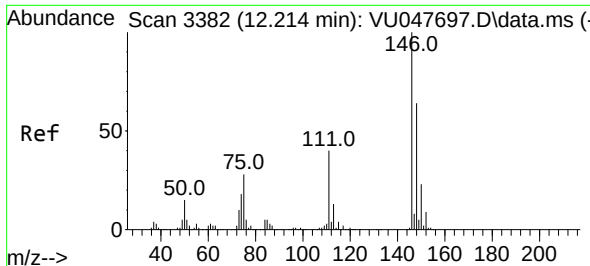
Tgt Ion:146 Resp: 344778
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.7
148 63.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 54.471 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:146 Resp: 350565
Ion Ratio Lower Upper
146 100
111 36.0 25.3 47.1
148 63.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 55.493 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

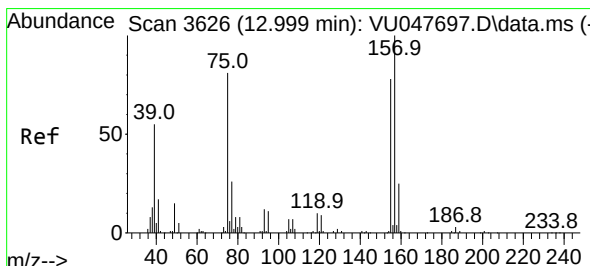
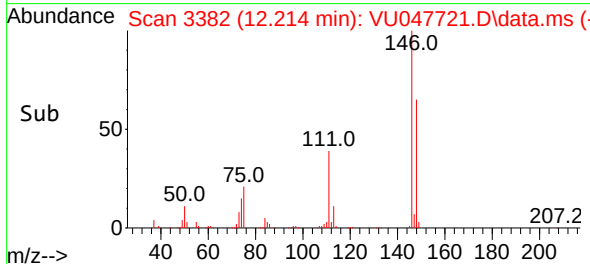
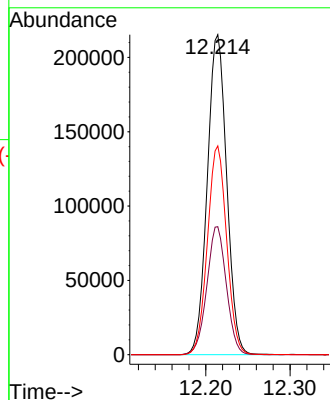
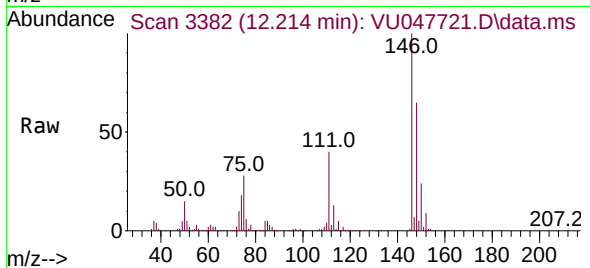
Tgt Ion:146 Resp: 345003

Ion Ratio Lower Upper

146 100

111 40.0 31.7 47.5

148 65.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 55.938 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU047721.D

Acq: 28 Mar 2022 11:54

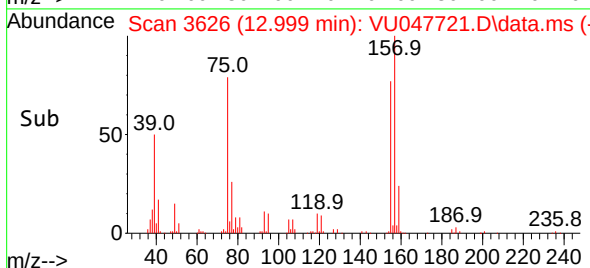
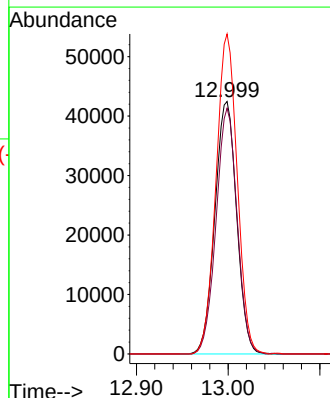
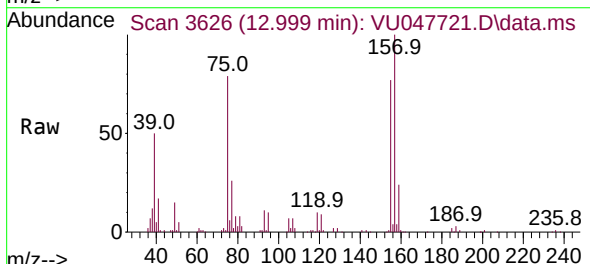
Tgt Ion: 75 Resp: 69869

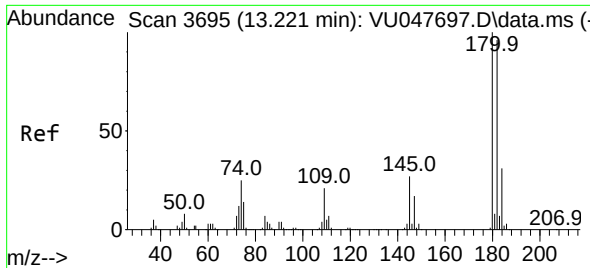
Ion Ratio Lower Upper

75 100

155 97.4 78.9 118.3

157 126.8 97.5 146.3

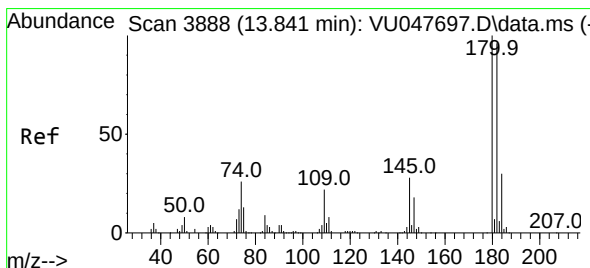
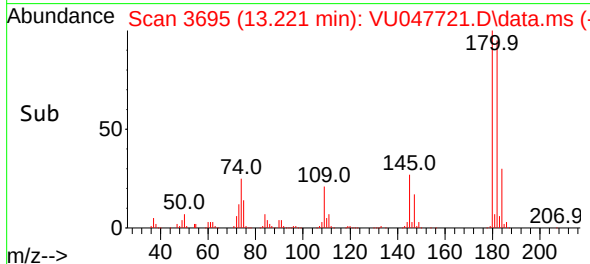
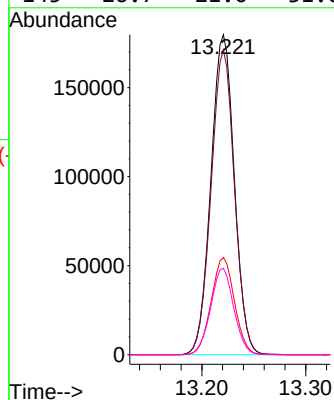
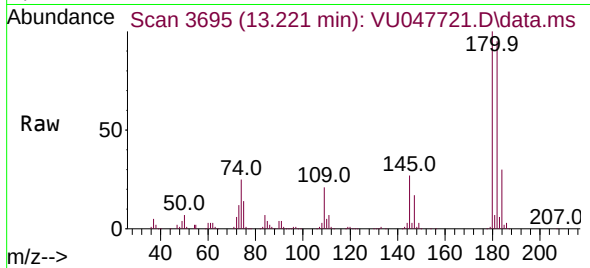




#69
 1,3,5-Trichlorobenzene
 Concen: 55.630 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

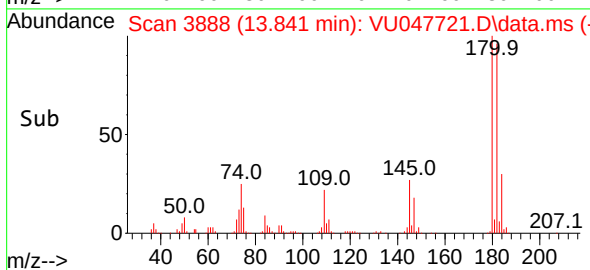
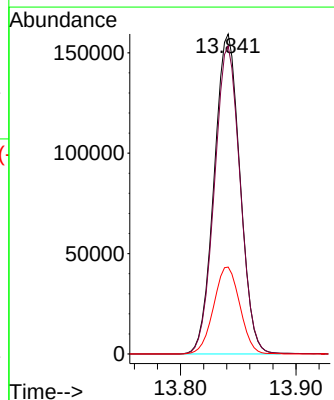
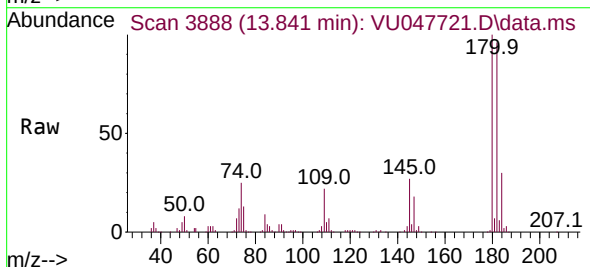
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

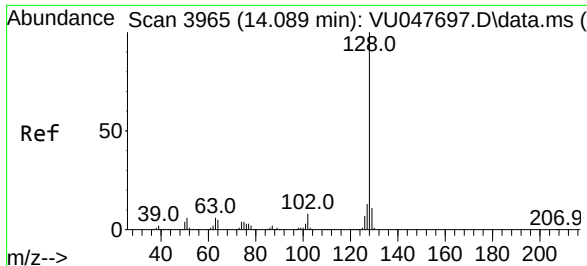
Tgt Ion:	180	Resp:	280718
Ion Ratio	Lower	Upper	
180	100		
182	95.0	77.0	115.6
184	30.2	24.5	36.7
145	26.7	21.0	31.6



#70
 1,2,4-trichlorobenzene
 Concen: 55.940 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047721.D
 Acq: 28 Mar 2022 11:54

Tgt Ion:	180	Resp:	247254
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.2	114.2
145	27.6	21.8	32.8

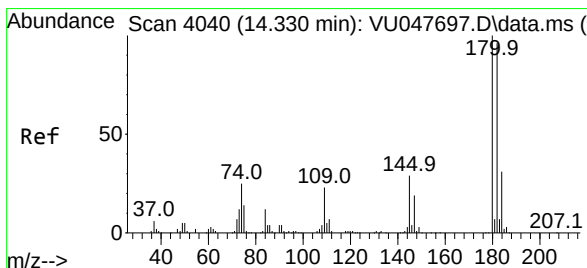
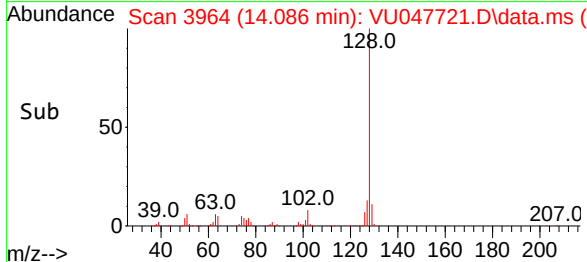
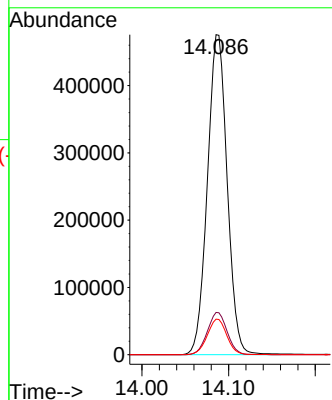
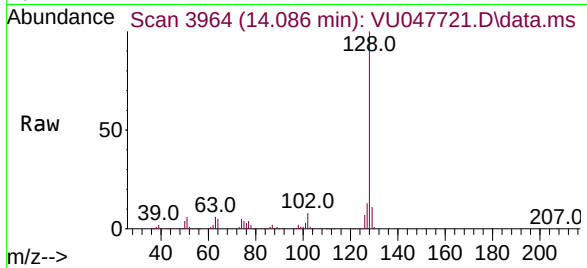




#71
Naphthalene
Concen: 57.222 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

Tgt Ion:128 Resp: 754060
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 56.736 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047721.D
Acq: 28 Mar 2022 11:54

Tgt Ion:180 Resp: 251393
Ion Ratio Lower Upper
180 100
182 94.9 77.4 116.0
145 28.6 22.8 34.2

