

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041322\
 Data File : U047990.D
 Acq On : 13 Apr 2022 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

Quant Time: Apr 14 02:47:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 04:40:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	333541	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	341729	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	205194	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	121677	50.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.620%
7) Chloroethane-d5	1.912	69	99677	52.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.520%
11) 1,1-Dichloroethene-d2	2.572	63	207209	46.824	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.640%
21) 2-Butanone-d5	4.626	46	195966	94.394	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.390%
24) Chloroform-d	5.067	84	218447	49.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.720%
26) 1,2-Dichloroethane-d4	5.703	65	136817	50.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.820%
32) Benzene-d6	5.729	84	435070	50.596	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.694	67	137159	51.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.880%
41) Toluene-d8	7.899	98	409311	48.856	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
43) trans-1,3-Dichloroprop...	8.182	79	63506	47.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.940%
47) 2-Hexanone-d5	8.632	63	147036	95.112	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	219029	48.329	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.660%
66) 1,2-Dichlorobenzene-d4	12.195	152	175658	48.118	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	160947	52.049	ug/L	100
3) Chloromethane	1.523	50	182480	61.706	ug/L	99
5) Vinyl chloride	1.604	62	166351	55.156	ug/L	98
6) Bromomethane	1.855	94	74743	46.043	ug/L	100
8) Chloroethane	1.935	64	101381	53.546	ug/L	97
9) Trichlorofluoromethane	2.141	101	218071	51.274	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	132880	54.051	ug/L	98
12) 1,1-Dichloroethene	2.581	96	119699	52.317	ug/L	89
13) Acetone	2.629	43	210868	109.148	ug/L	100
14) Carbon disulfide	2.797	76	328473	45.419	ug/L	100
15) Methyl Acetate	2.951	43	161501	52.424	ug/L	98
16) Methylene chloride	3.047	84	145563	55.443	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	128990	52.270	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	384155	55.178	ug/L	99
19) 1,1-Dichloroethane	3.874	63	238495	56.037	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	146061	53.988	ug/L	97
22) 2-Butanone	4.703	43	260833	104.808	ug/L	97
23) Bromochloromethane	4.977	128	81202	54.666	ug/L	96
25) Chloroform	5.089	83	256140	55.899	ug/L	100

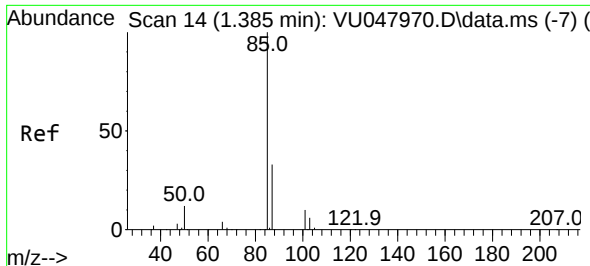
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 QLast Update : Wed Apr 13 04:40:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	193296	54.601	ug/L	100
29) Cyclohexane	5.391	56	186628	53.820	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	213002	54.970	ug/L	100
31) Carbon tetrachloride	5.530	117	187100	53.473	ug/L	97
33) Benzene	5.777	78	560489	56.664	ug/L	100
34) Trichloroethene	6.546	95	143241	55.236	ug/L	99
35) Methylcyclohexane	6.768	83	209427	53.085	ug/L	99
37) 1,2-Dichloropropane	6.793	63	145754	57.964	ug/L	100
38) Bromodichloromethane	7.108	83	192963	55.882	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	215426	55.214	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	432181	108.746	ug/L	98
42) Toluene	7.970	91	605116	55.754	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	211520	54.297	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	151309	56.737	ug/L	99
46) Tetrachloroethene	8.555	164	125520	53.862	ug/L	100
48) 2-Hexanone	8.687	43	371428	108.650	ug/L	98
49) Dibromochloromethane	8.812	129	165754	53.662	ug/L	98
50) 1,2-Dibromoethane	8.925	107	163944	54.835	ug/L	100
51) Chlorobenzene	9.449	112	410628	55.722	ug/L	98
52) Ethylbenzene	9.571	91	628780	55.099	ug/L	98
53) m,p-Xylene	9.693	106	247062	55.175	ug/L	98
54) o-Xylene	10.102	106	241139	54.869	ug/L	99
55) Styrene	10.115	104	427850	57.022	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	266395	53.283	ug/L	99
59) Bromoform	10.291	173	135156	51.510	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	207880	53.740	ug/L	99
61) Isopropylbenzene	10.488	105	626981	56.537	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	324249	53.889	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	514178	56.258	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	338425	54.904	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	344090	53.894	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	338102	54.820	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	64644	52.171	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	267301	53.396	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	239356	54.588	ug/L	99
71) Naphthalene	14.089	128	758412	58.015	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	249167	56.685	ug/L	99

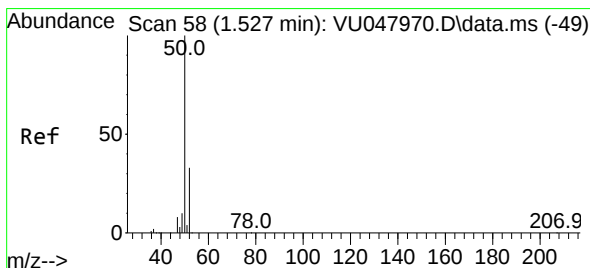
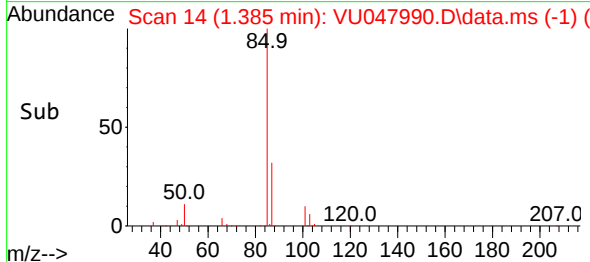
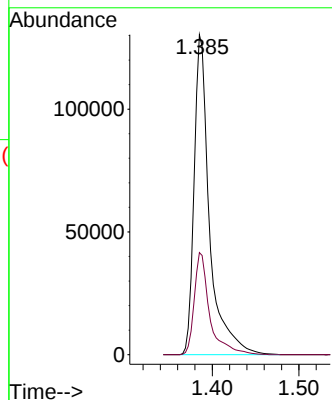
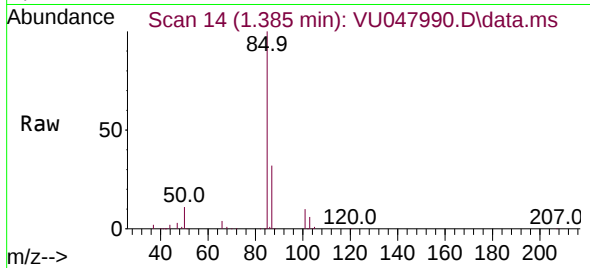
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 52.049 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

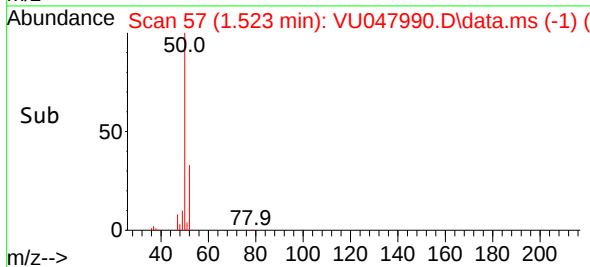
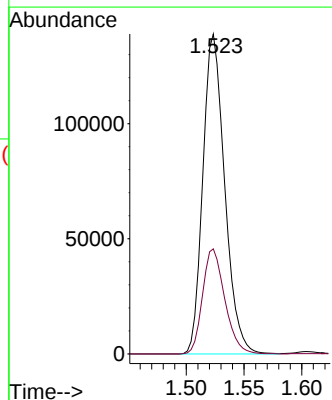
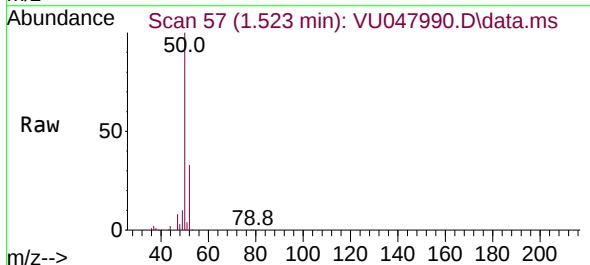
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

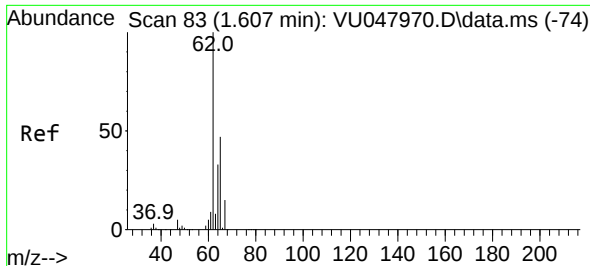
Tgt Ion: 85 Resp: 160947
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 61.706 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 50 Resp: 182480
Ion Ratio Lower Upper
50 100
52 32.9 23.2 43.2

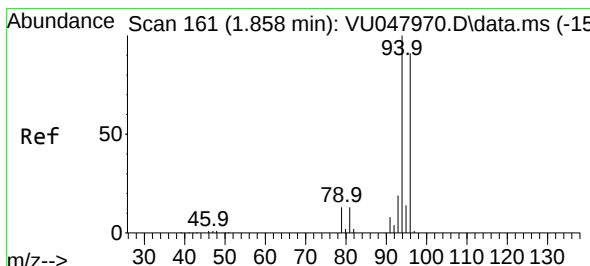
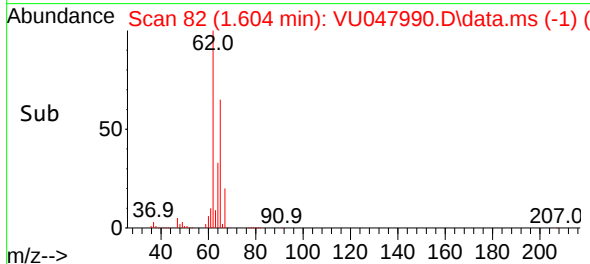
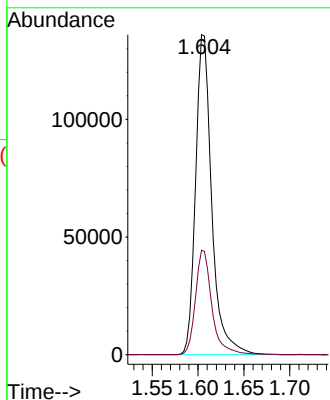
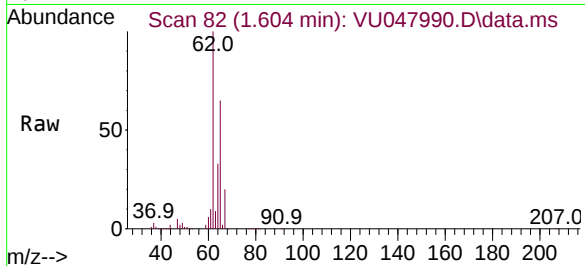




#5
 Vinyl chloride
 Concen: 55.156 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

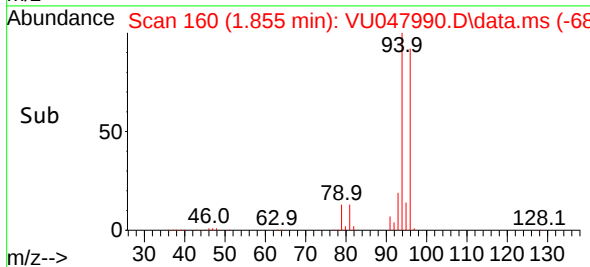
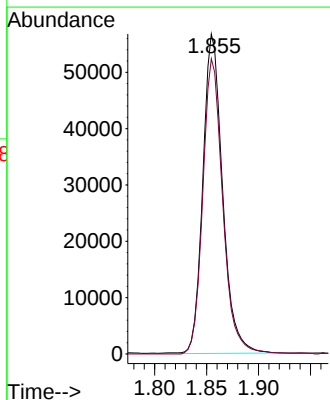
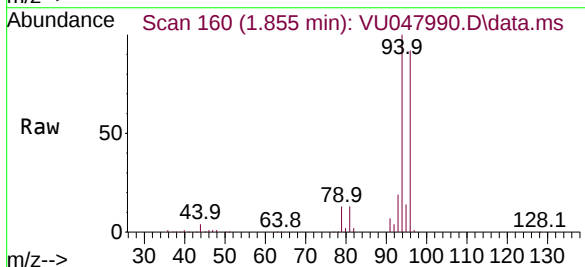
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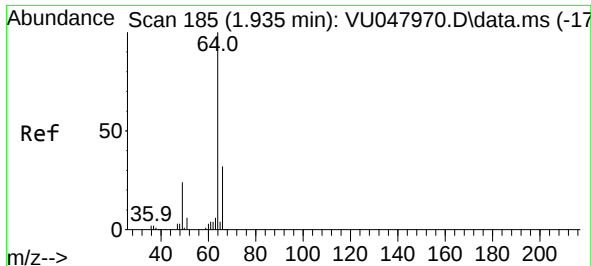
Tgt Ion: 62 Resp: 166351
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.7 43.9



#6
 Bromomethane
 Concen: 46.043 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

Tgt Ion: 94 Resp: 74743
 Ion Ratio Lower Upper
 94 100
 96 92.3 64.8 120.3

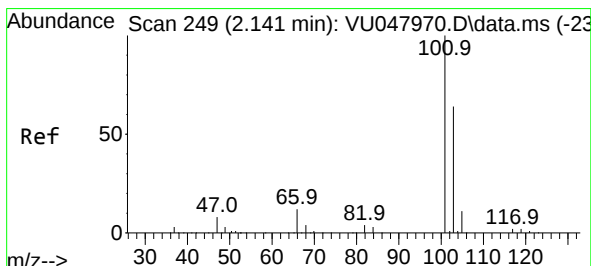
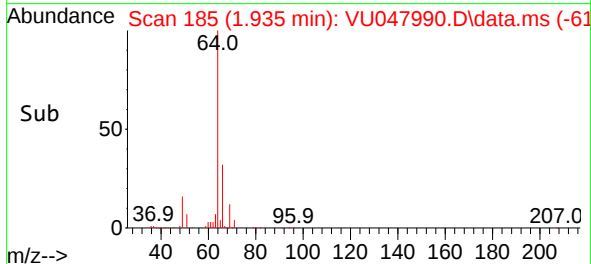
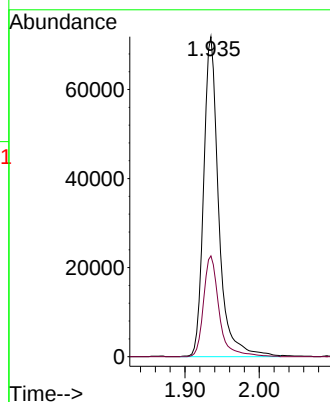
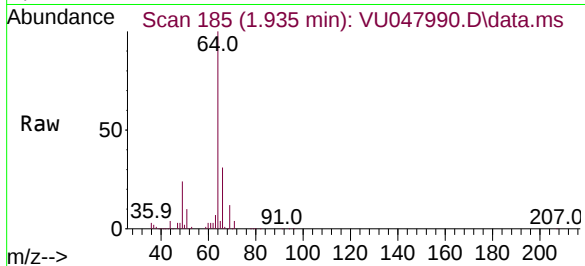




#8
Chloroethane
Concen: 53.546 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

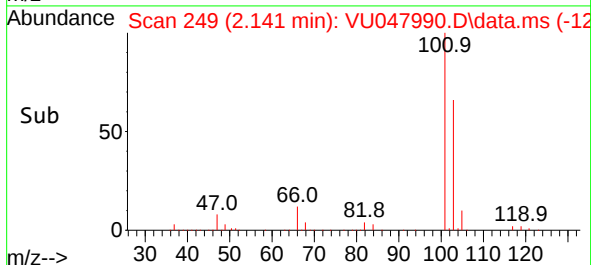
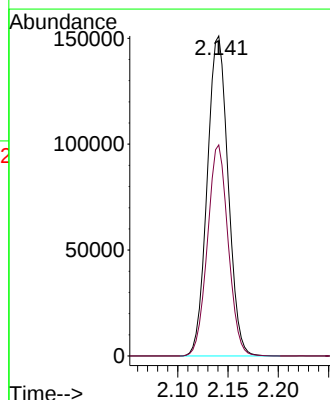
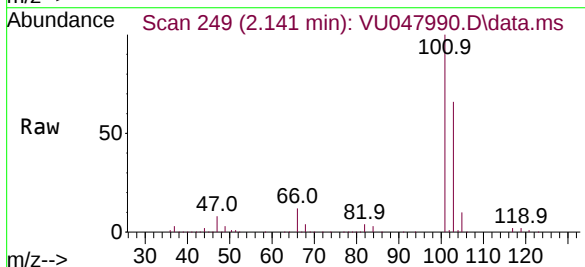
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ClientSampleId :
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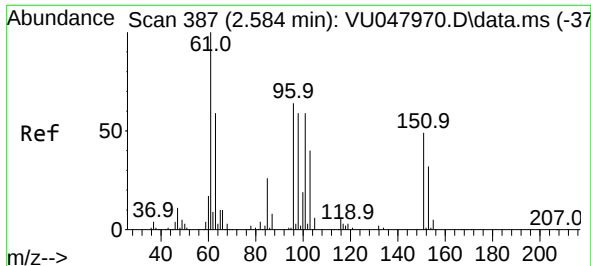
Tgt Ion: 64 Resp: 101381
Ion Ratio Lower Upper
64 100
66 31.5 23.3 43.3



#9
Trichlorofluoromethane
Concen: 51.274 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion:101 Resp: 218071
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

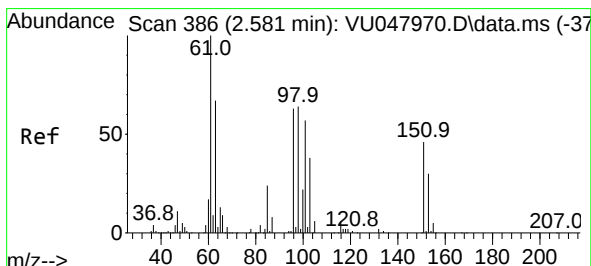
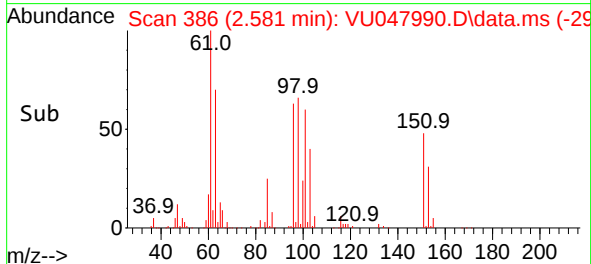
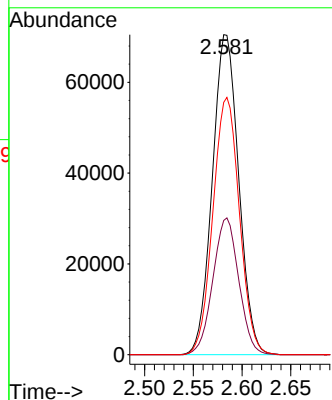
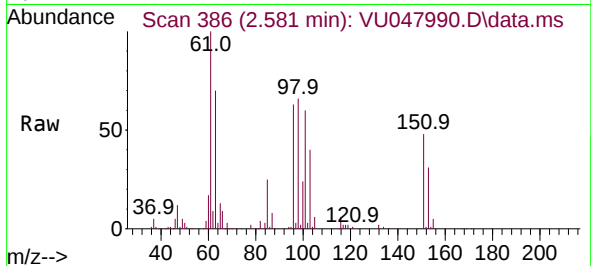




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 54.051 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

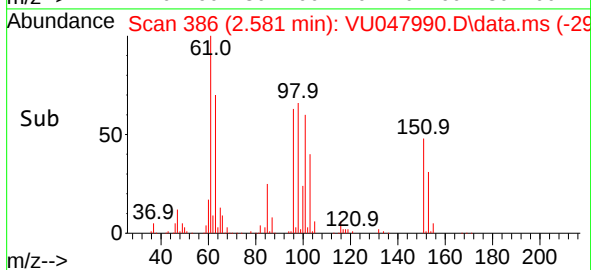
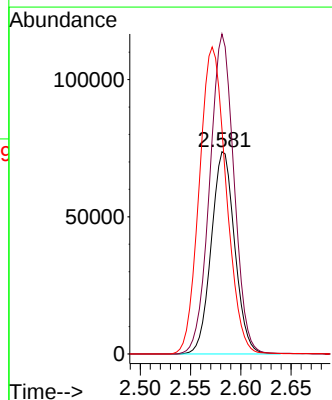
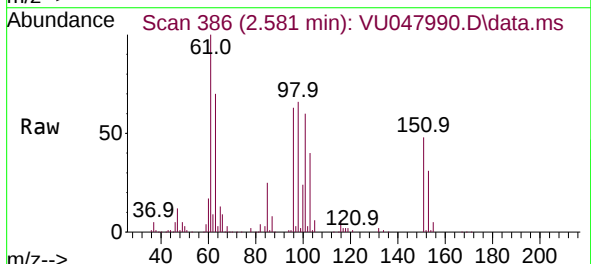
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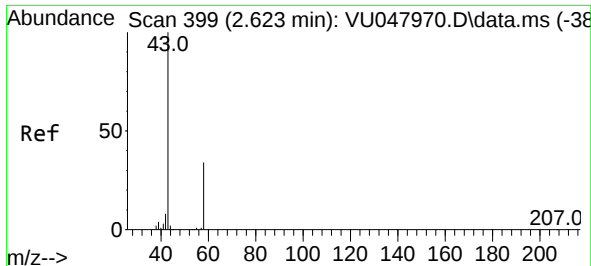
Tgt Ion:101 Resp: 132880
Ion Ratio Lower Upper
101 100
85 41.9 32.8 49.2
151 80.8 63.0 94.6



#12
1,1-Dichloroethene
Concen: 52.317 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 96 Resp: 119699
Ion Ratio Lower Upper
96 100
61 158.2 113.1 210.1
63 111.1 94.8 176.0





#13

Acetone

Concen: 109.148 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

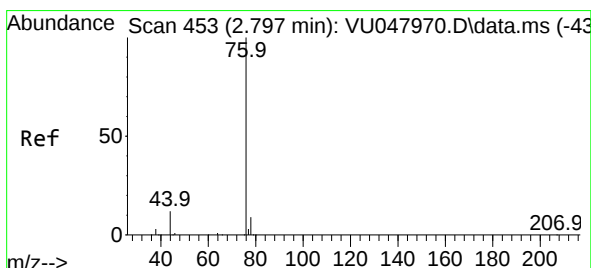
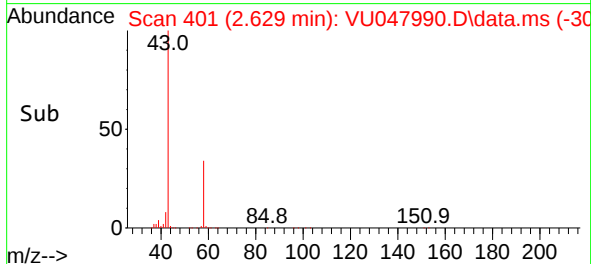
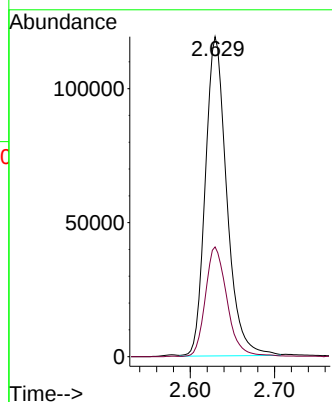
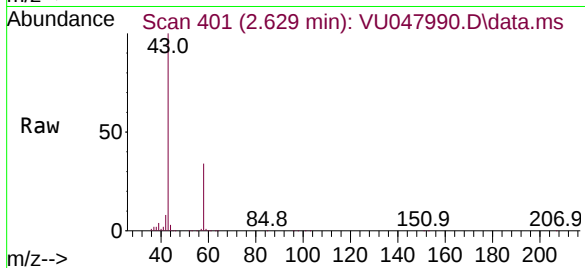
VSTD050197

Tgt Ion: 43 Resp: 210868

Ion Ratio Lower Upper

43 100

58 34.7 0.0 70.0



#14

Carbon disulfide

Concen: 45.419 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU047990.D

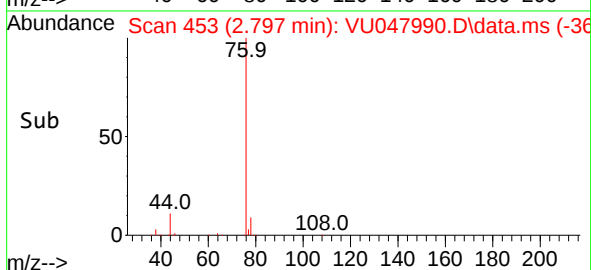
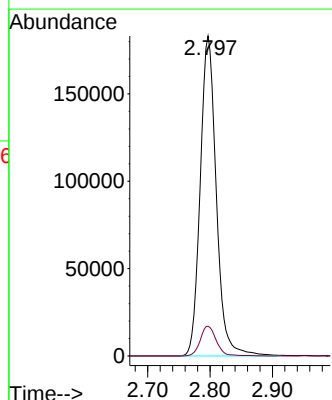
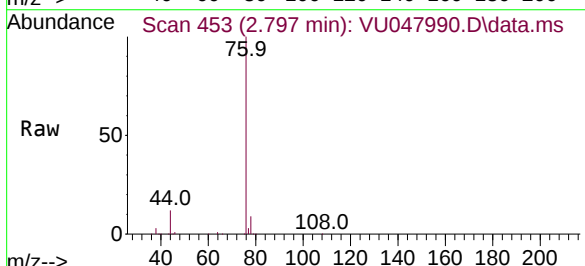
Acq: 13 Apr 2022 10:01

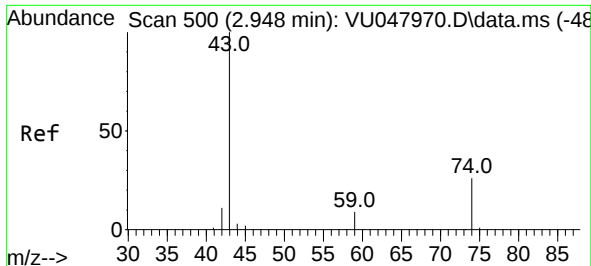
Tgt Ion: 76 Resp: 328473

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

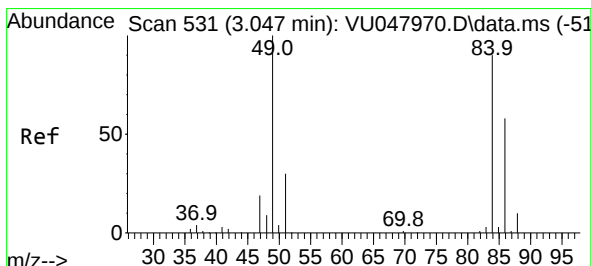
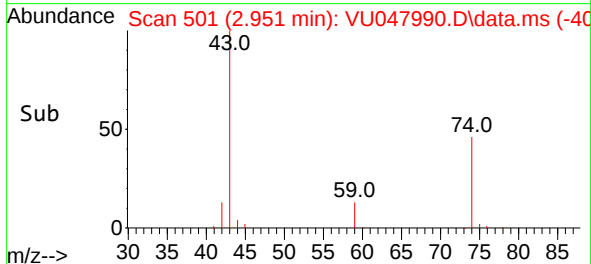
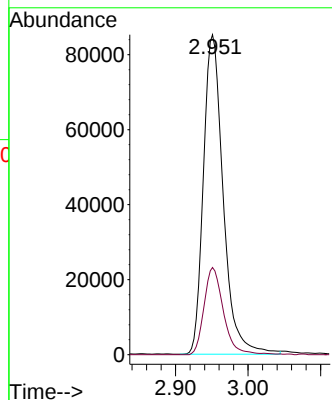
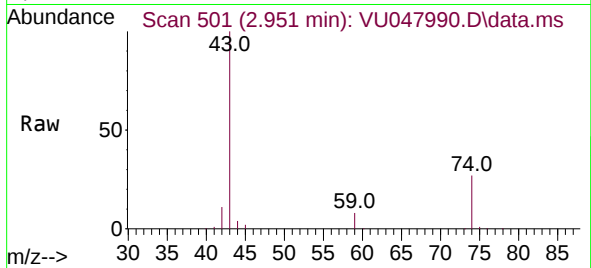




#15
Methyl Acetate
Concen: 52.424 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

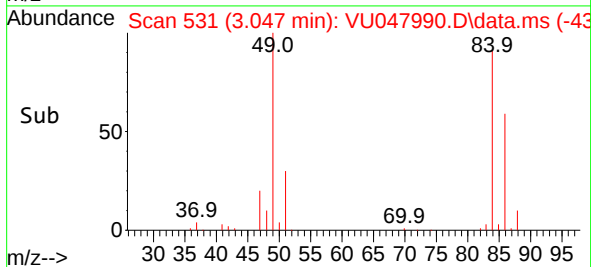
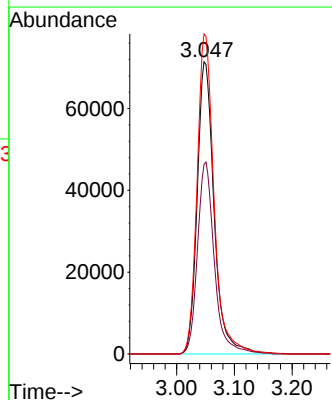
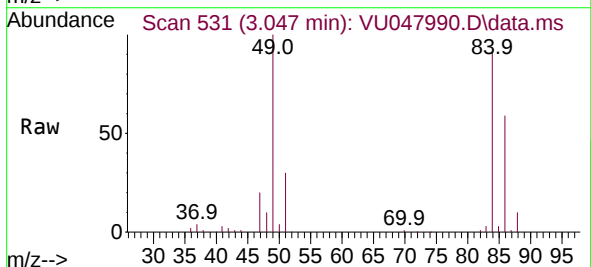
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

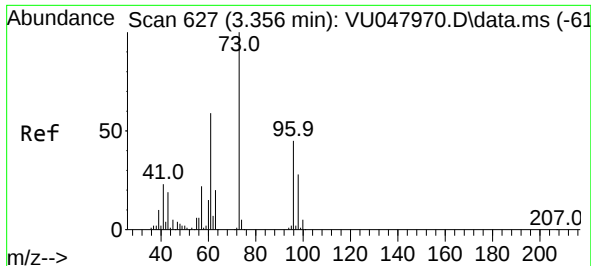
Tgt Ion: 43 Resp: 161501
Ion Ratio Lower Upper
43 100
74 26.5 22.2 33.2



#16
Methylene chloride
Concen: 55.443 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 84 Resp: 145563
Ion Ratio Lower Upper
84 100
86 64.9 46.0 85.4
49 109.5 75.3 139.8

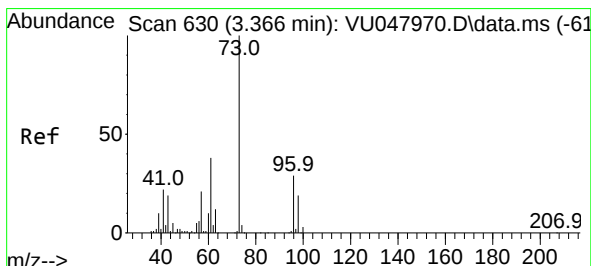
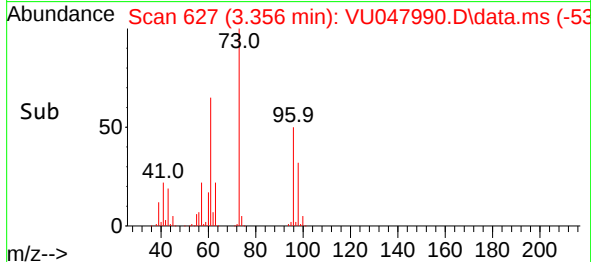
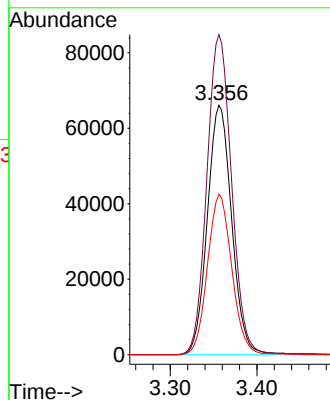
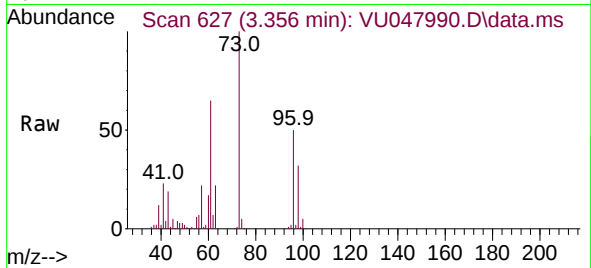




#17
trans-1,2-Dichloroethene
Concen: 52.270 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

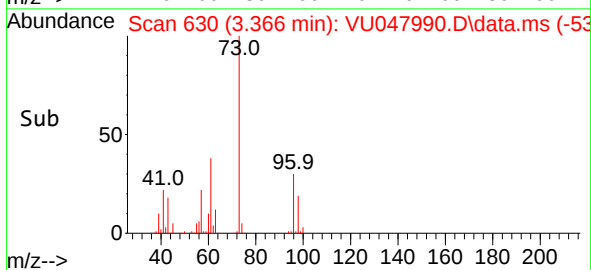
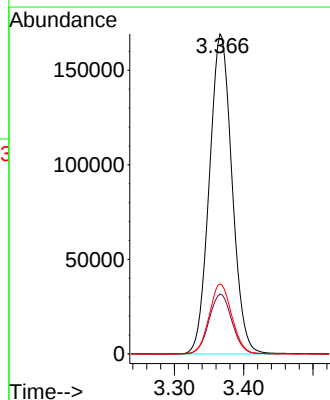
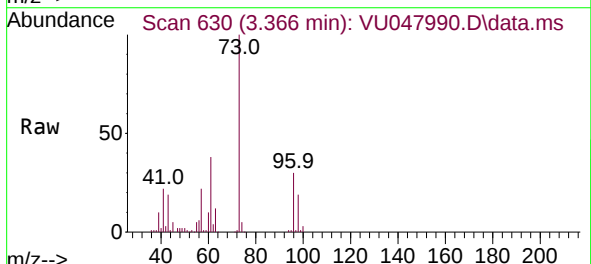
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

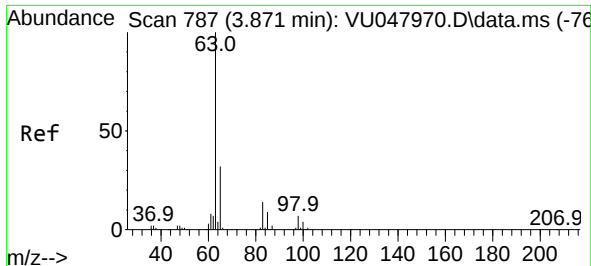
Tgt Ion: 96 Resp: 128990
Ion Ratio Lower Upper
96 100
61 128.3 88.4 164.2
98 64.3 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 55.178 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 73 Resp: 384155
Ion Ratio Lower Upper
73 100
43 19.0 15.3 22.9
57 21.9 17.0 25.6





#19

1,1-Dichloroethane

Concen: 56.037 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

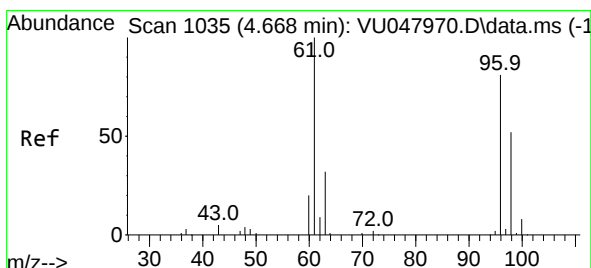
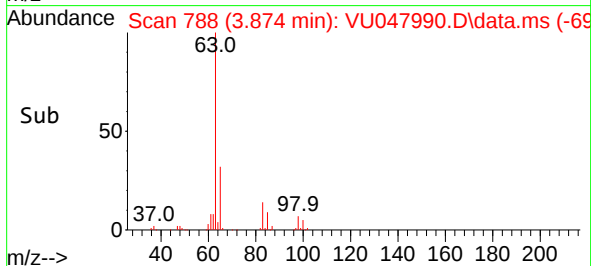
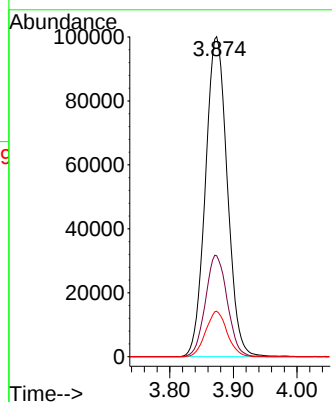
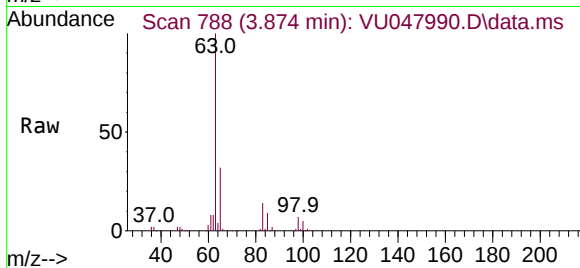
Tgt Ion: 63 Resp: 238495

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 14.2 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 53.988 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

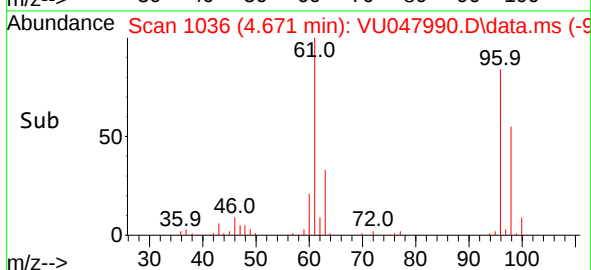
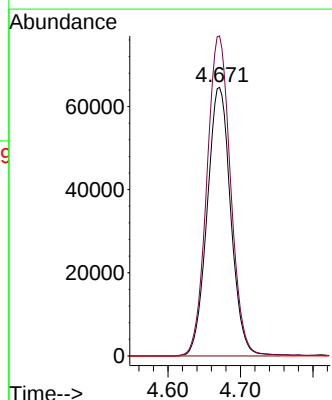
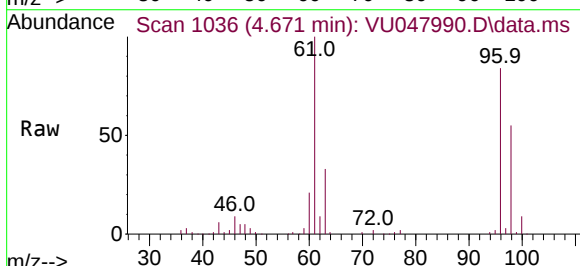
Tgt Ion: 96 Resp: 146061

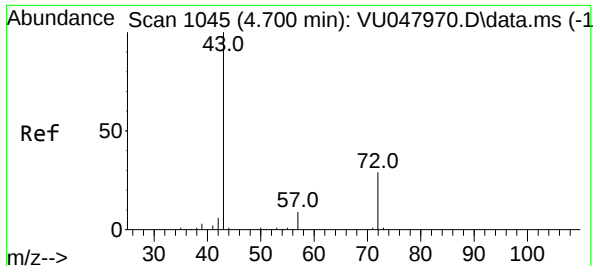
Ion Ratio Lower Upper

96 100

61 119.1 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.808 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

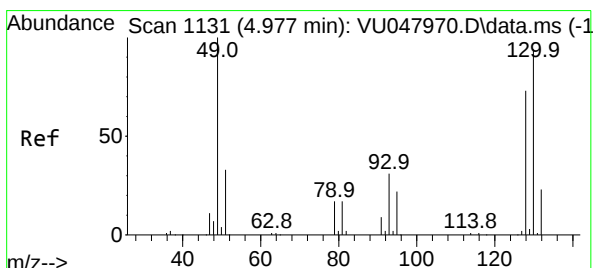
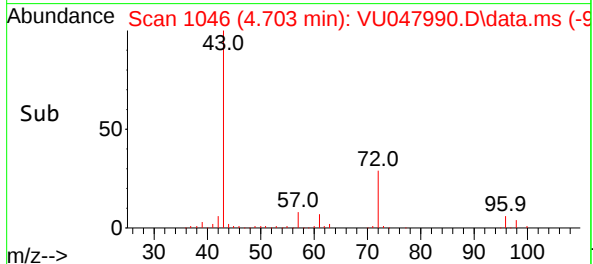
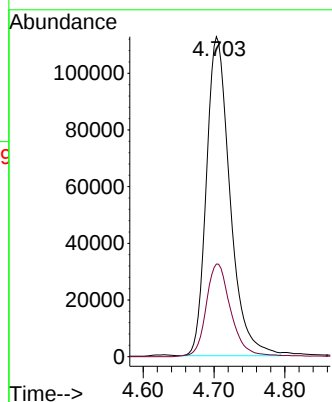
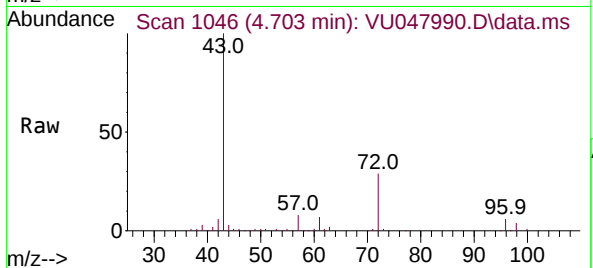
VSTD050197

Tgt Ion: 43 Resp: 260833

Ion Ratio Lower Upper

43 100

72 30.4 16.0 47.9



#23

Bromochloromethane

Concen: 54.666 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Tgt Ion:128 Resp: 81202

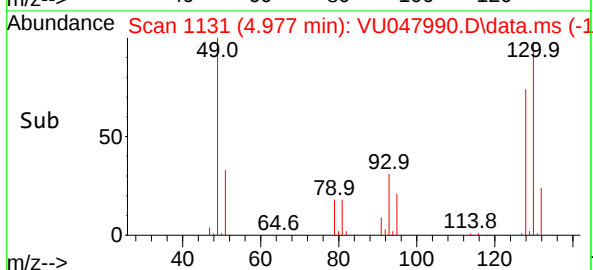
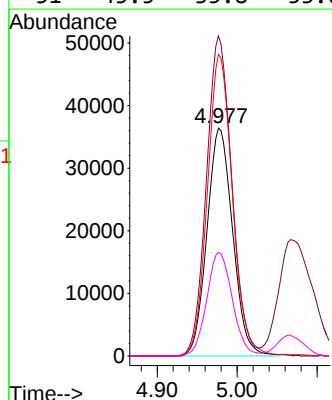
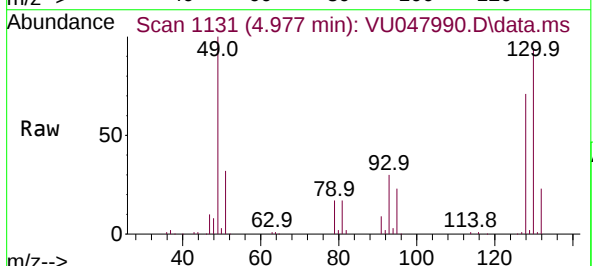
Ion Ratio Lower Upper

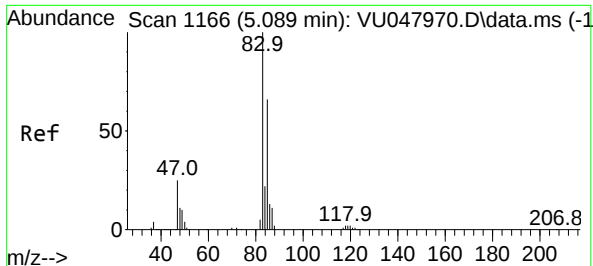
128 100

49 140.4 94.1 174.8

130 132.3 90.2 167.4

51 45.5 35.8 53.6





#25

Chloroform

Concen: 55.899 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

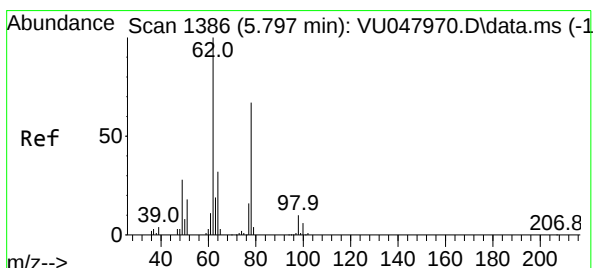
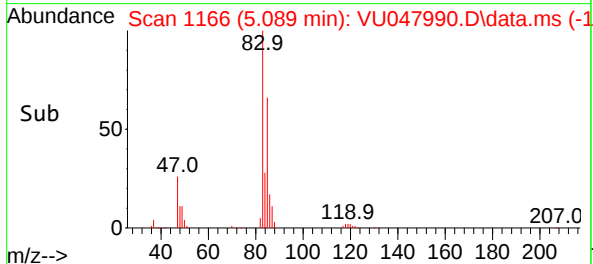
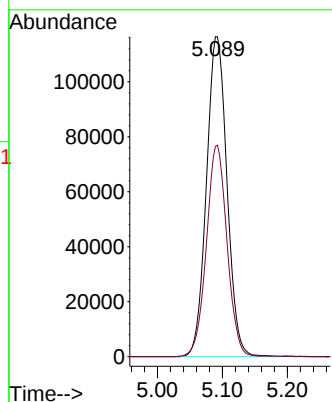
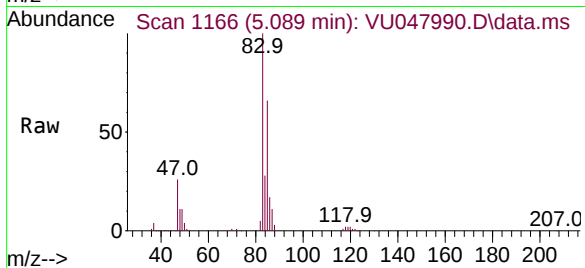
VSTD050197

Tgt Ion: 83 Resp: 256140

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 54.601 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047990.D

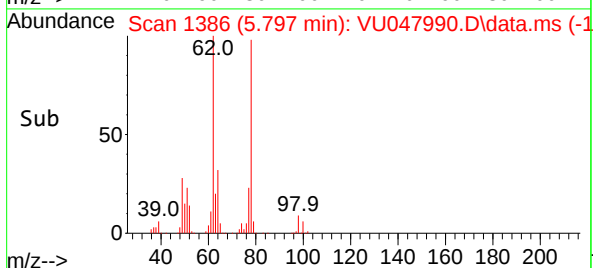
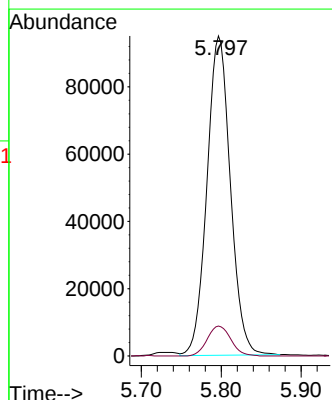
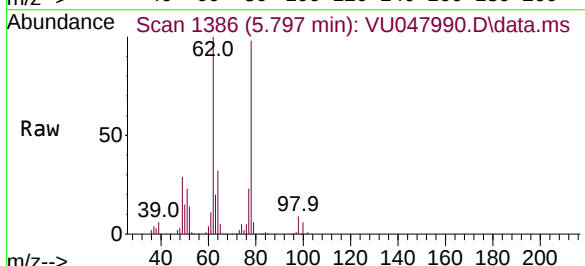
Acq: 13 Apr 2022 10:01

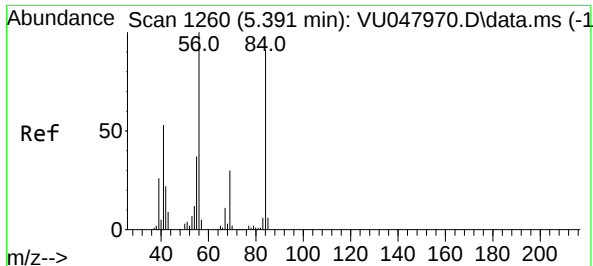
Tgt Ion: 62 Resp: 193296

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.0





#29

Cyclohexane

Concen: 53.820 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

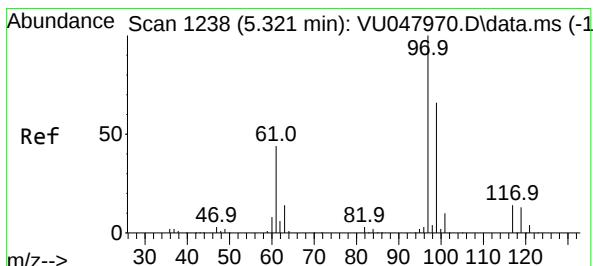
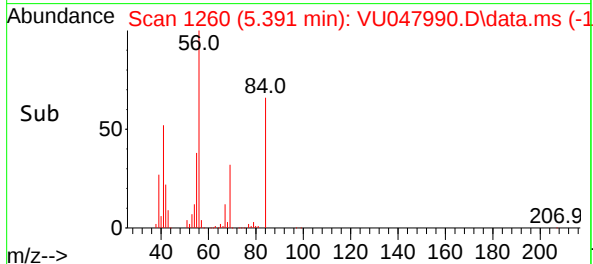
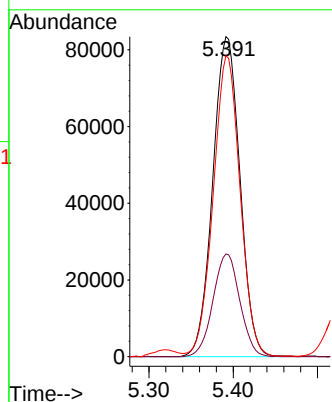
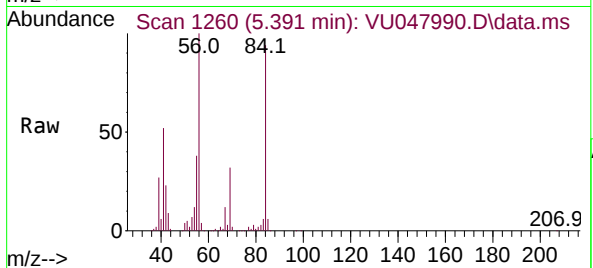
Tgt Ion: 56 Resp: 186628

Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

84 93.1 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 54.970 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

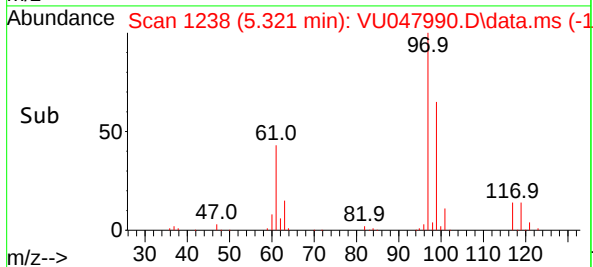
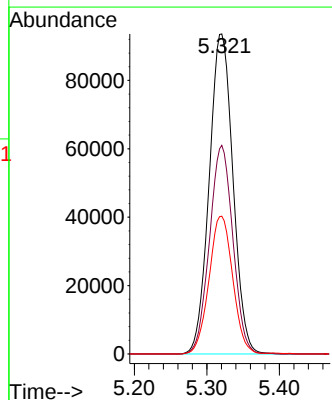
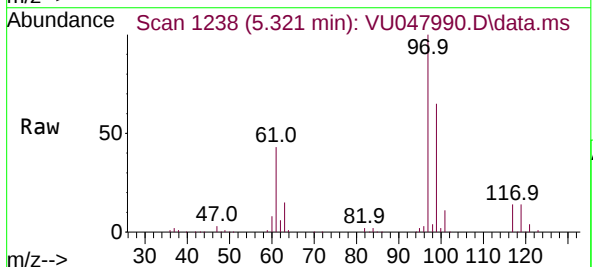
Tgt Ion: 97 Resp: 213002

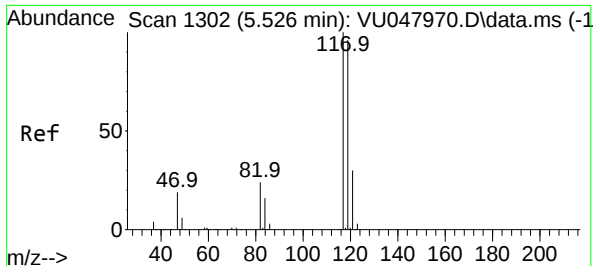
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 43.0 34.2 51.4

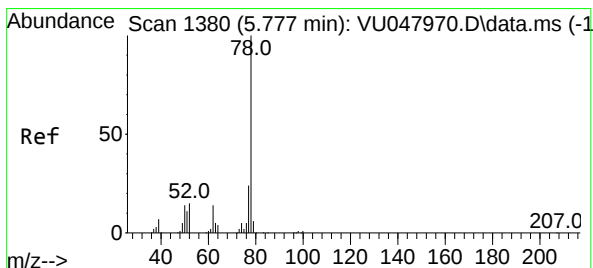
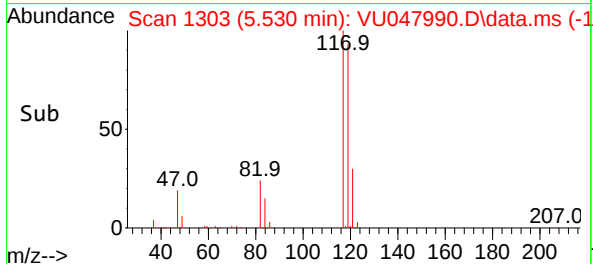
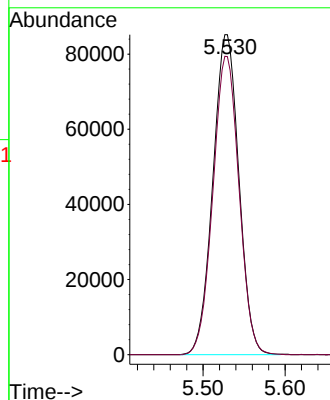
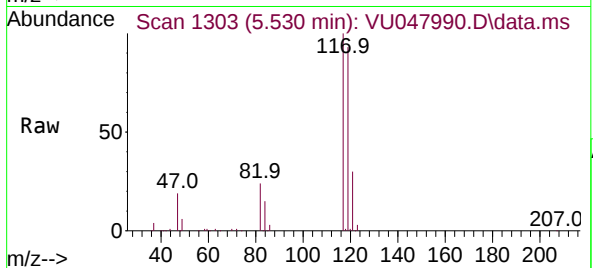




#31
Carbon tetrachloride
Concen: 53.473 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

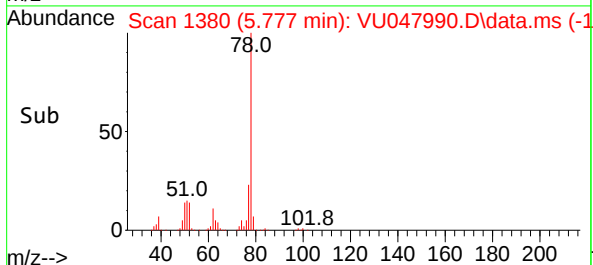
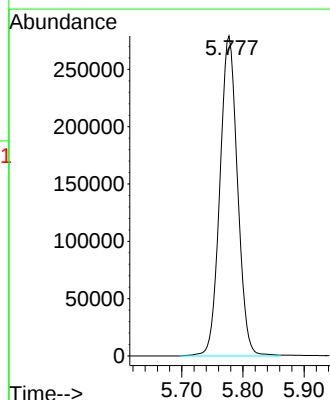
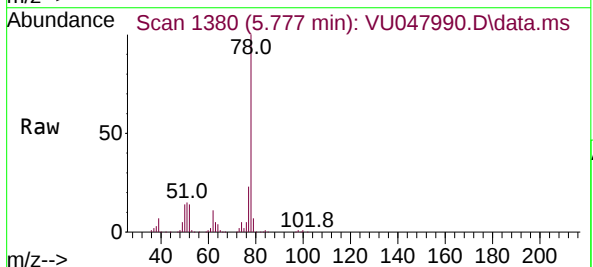
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

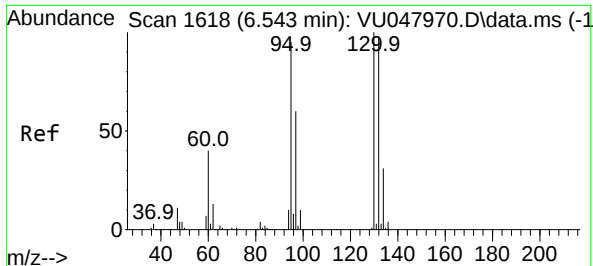
Tgt Ion:117 Resp: 187100
Ion Ratio Lower Upper
117 100
119 93.7 77.2 115.8



#33
Benzene
Concen: 56.664 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 78 Resp: 560489

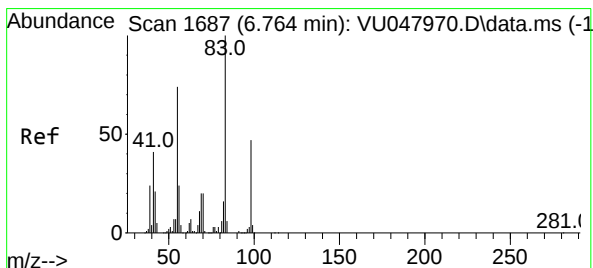
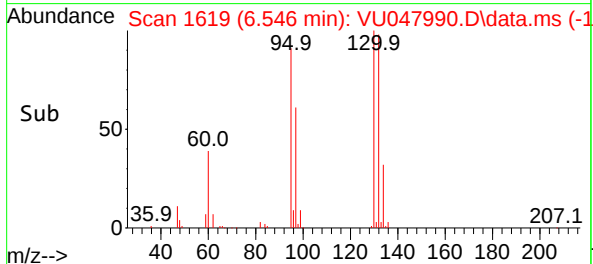
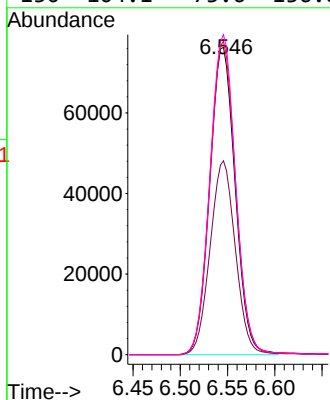
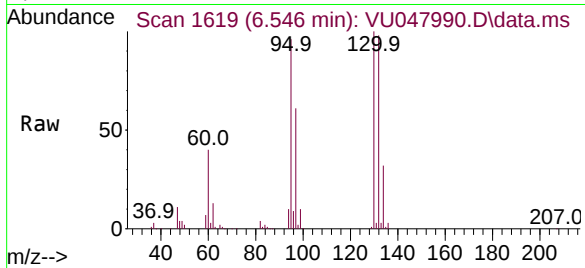




#34
Trichloroethene
Concen: 55.236 ug/L
RT: 6.546 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

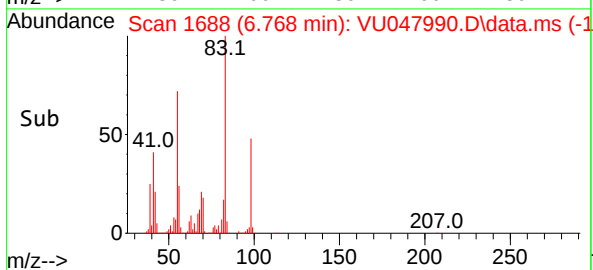
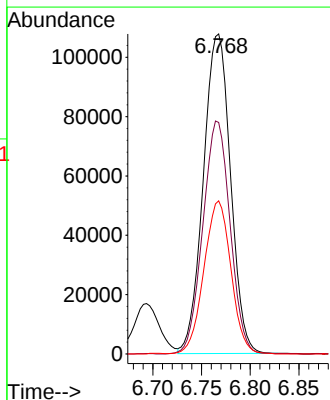
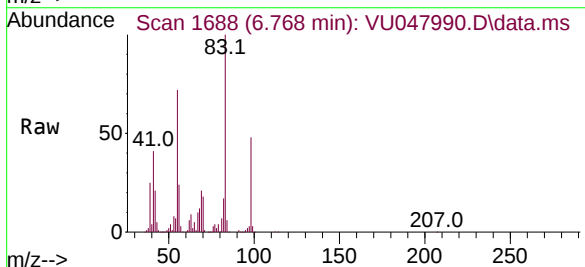
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

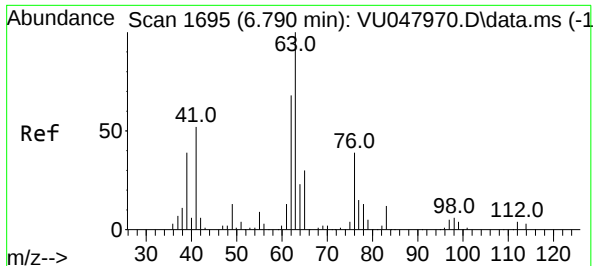
Tgt Ion: 95 Resp: 143241
Ion Ratio Lower Upper
95 100
97 63.1 44.7 82.9
132 102.0 70.4 130.8
130 104.1 73.6 136.8



#35
Methylcyclohexane
Concen: 53.085 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 83 Resp: 209427
Ion Ratio Lower Upper
83 100
55 73.0 56.8 85.2
98 47.6 38.1 57.1

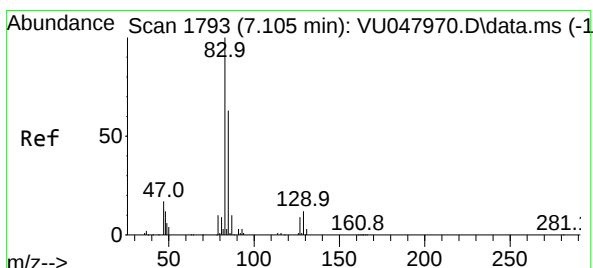
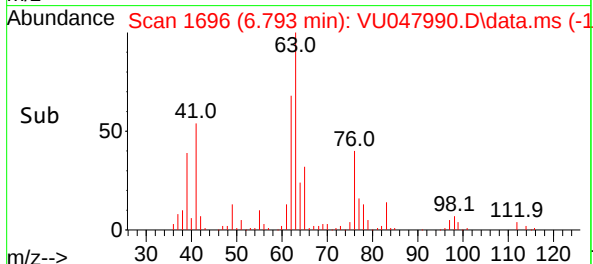
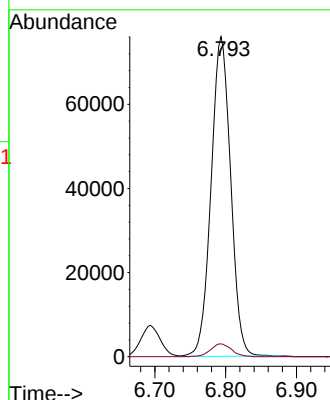
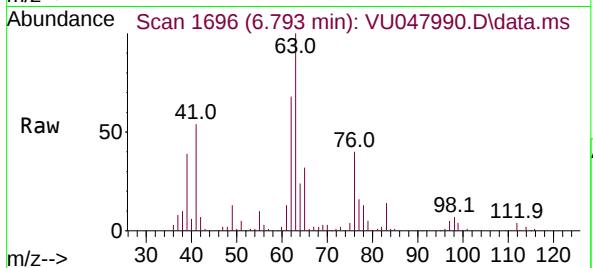




#37
1,2-Dichloropropane
Concen: 57.964 ug/L
RT: 6.793 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

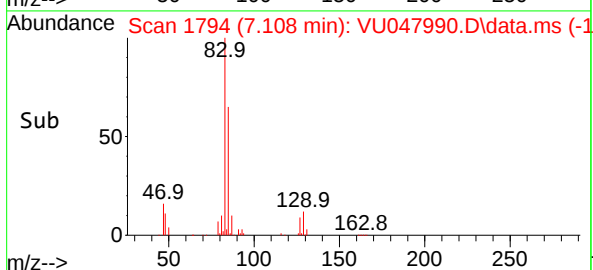
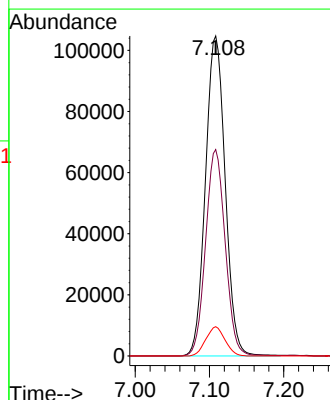
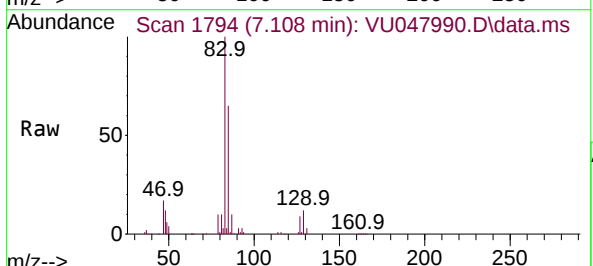
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

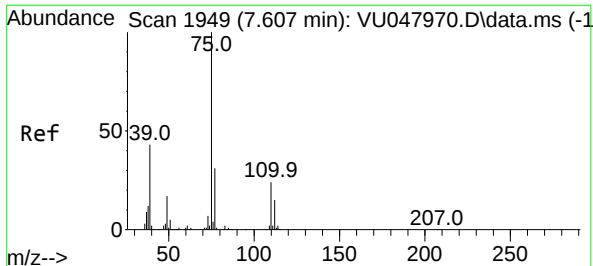
Tgt Ion: 63 Resp: 145754
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.2



#38
Bromodichloromethane
Concen: 55.882 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 83 Resp: 192963
Ion Ratio Lower Upper
83 100
85 64.5 44.4 82.4
127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 55.214 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

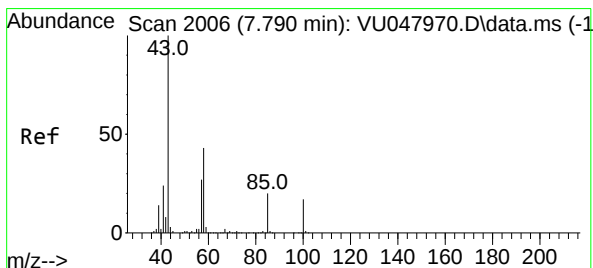
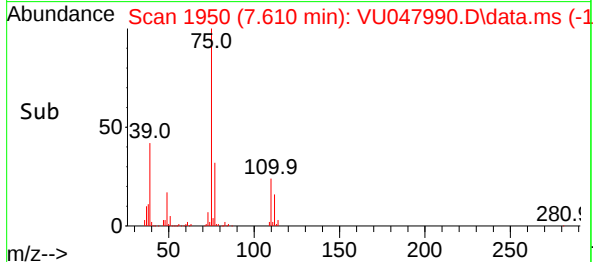
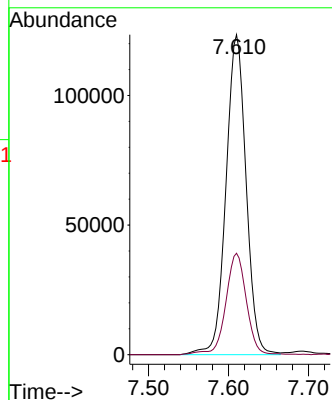
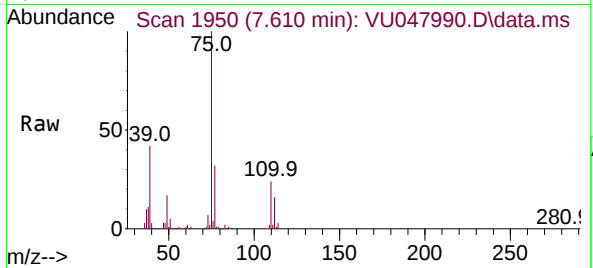
VSTD050197

Tgt Ion: 75 Resp: 215426

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 108.746 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

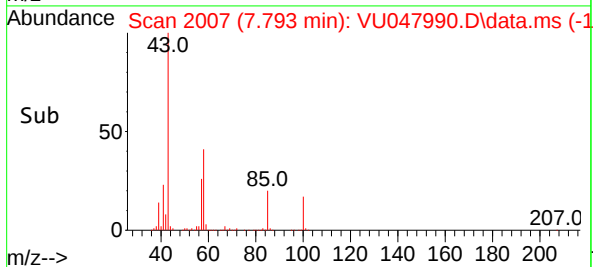
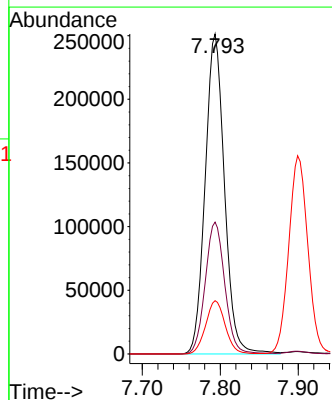
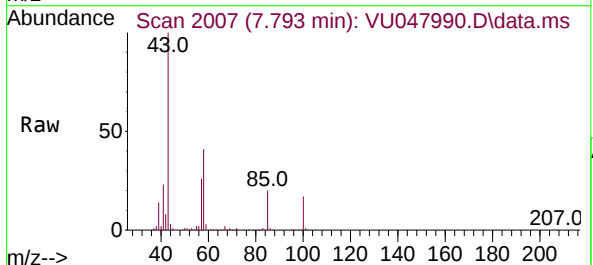
Tgt Ion: 43 Resp: 432181

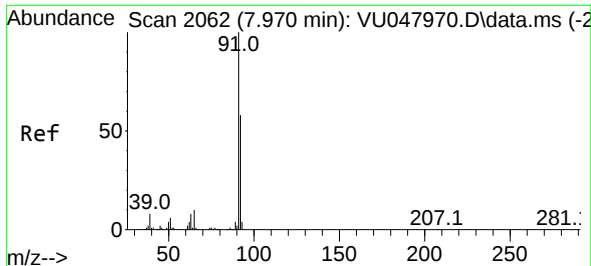
Ion Ratio Lower Upper

43 100

58 41.8 34.7 52.1

100 16.9 14.2 21.2





#42

Toluene

Concen: 55.754 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

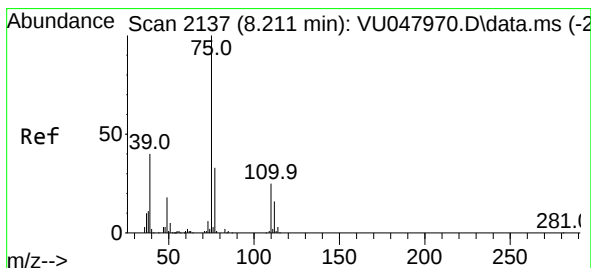
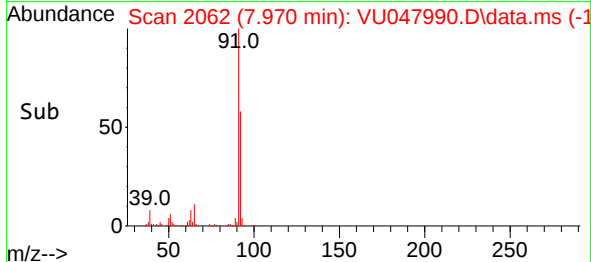
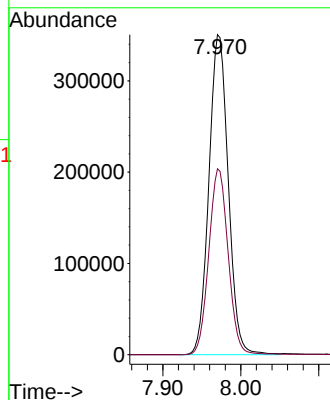
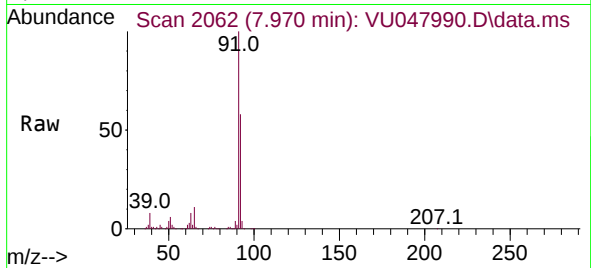
VSTD050197

Tgt Ion: 91 Resp: 605116

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 54.297 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047990.D

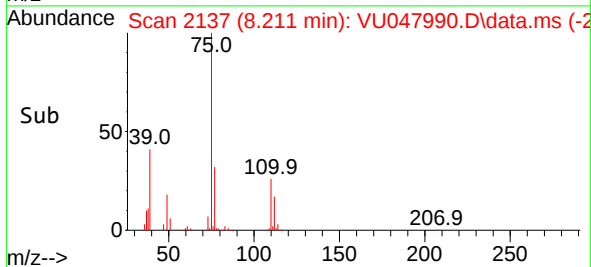
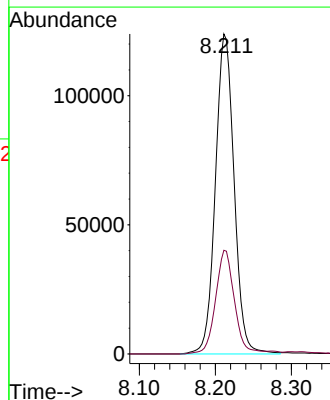
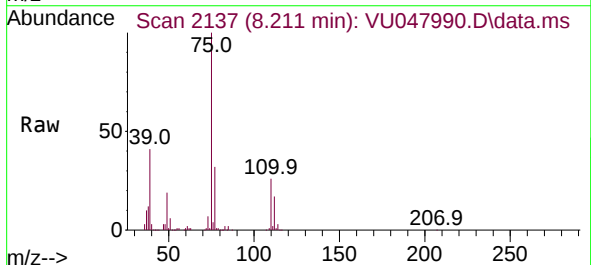
Acq: 13 Apr 2022 10:01

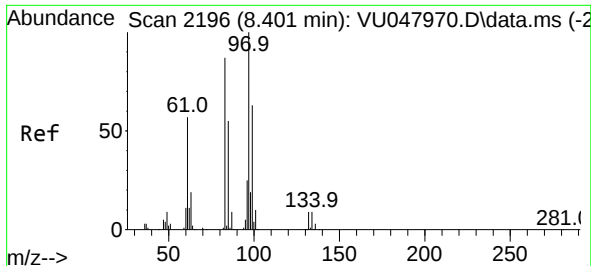
Tgt Ion: 75 Resp: 211520

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8



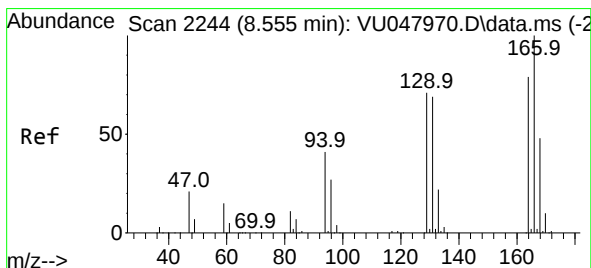
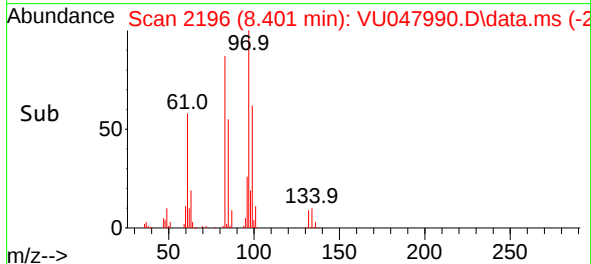
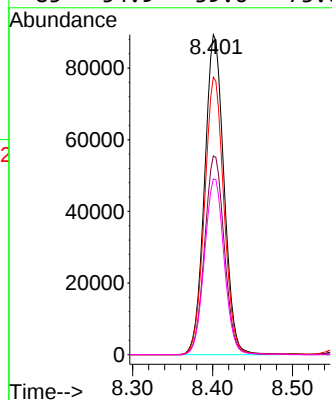
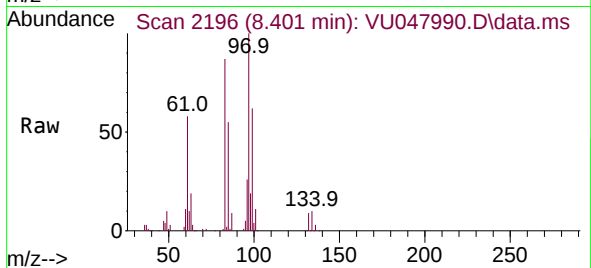


#45
1,1,2-Trichloroethane
Concen: 56.737 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

Tgt Ion: 97 Resp: 151309

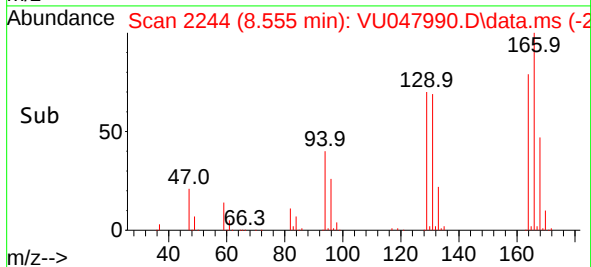
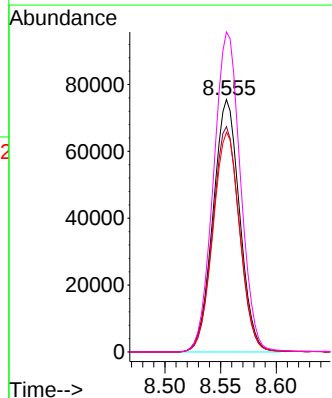
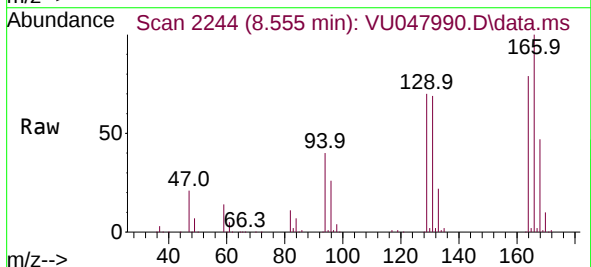
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.3
83	86.7	61.0	113.4
85	54.9	39.6	73.6

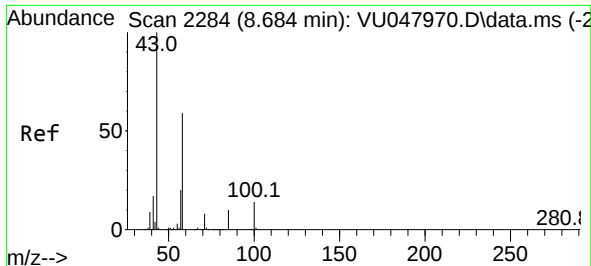


#46
Tetrachloroethene
Concen: 53.862 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 164 Resp: 125520

Ion	Ratio	Lower	Upper
164	100		
129	89.2	62.4	116.0
131	87.0	60.7	112.7
166	126.7	89.0	165.4

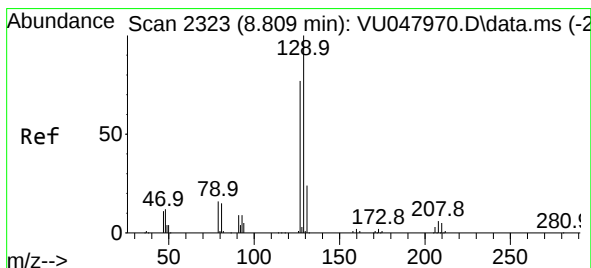
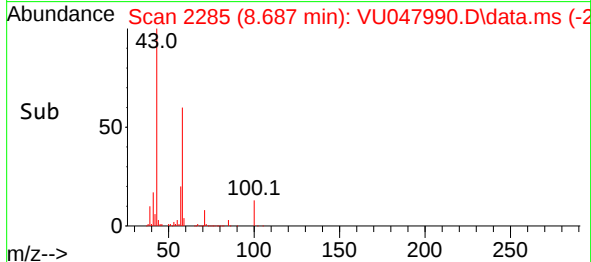
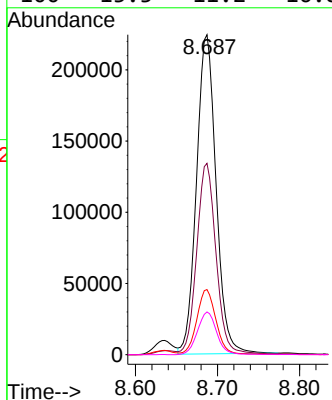
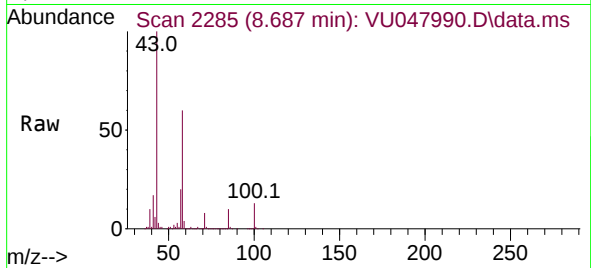




#48
2-Hexanone
Concen: 108.650 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

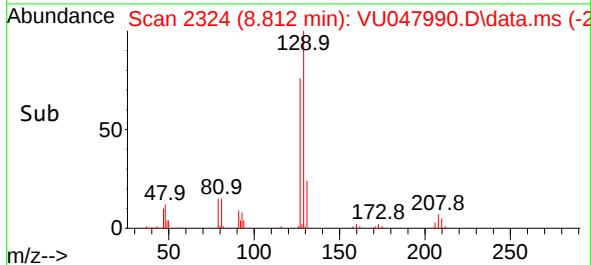
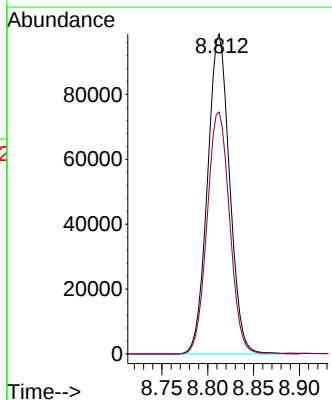
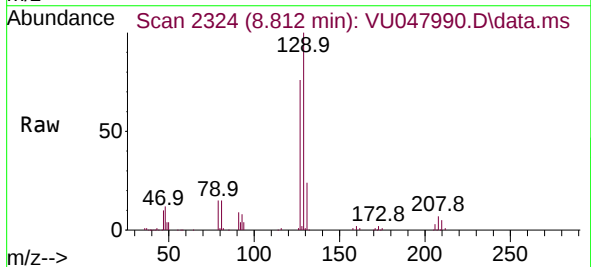
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

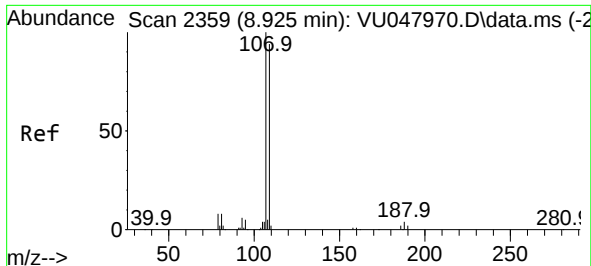
Tgt Ion: 43 Resp: 371428
Ion Ratio Lower Upper
43 100
58 58.7 48.1 72.1
57 20.0 16.2 24.4
100 13.3 11.2 16.8



#49
Dibromochloromethane
Concen: 53.662 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 129 Resp: 165754
Ion Ratio Lower Upper
129 100
127 75.6 54.2 100.6





#50

1,2-Dibromoethane

Concen: 54.835 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

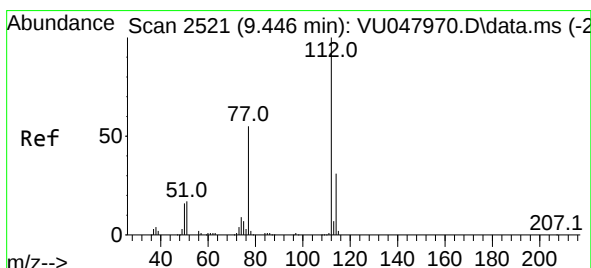
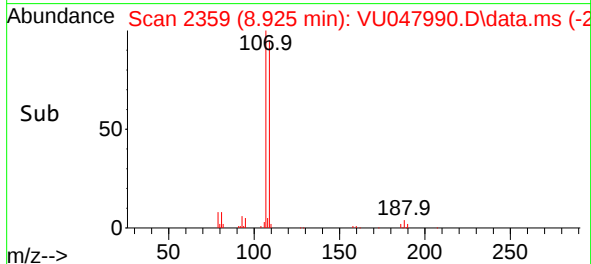
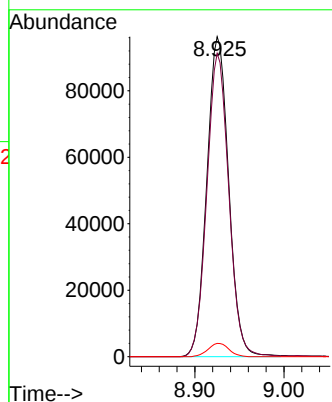
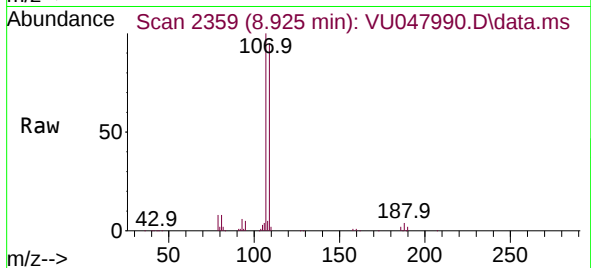
Tgt Ion:107 Resp: 163944

Ion Ratio Lower Upper

107 100

109 94.8 66.6 123.6

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 55.722 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

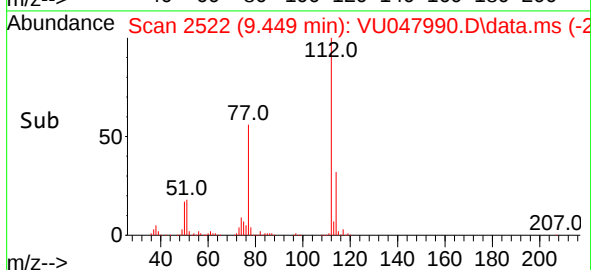
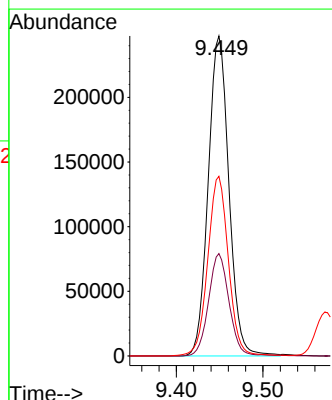
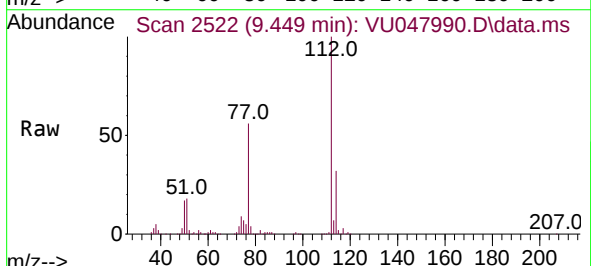
Tgt Ion:112 Resp: 410628

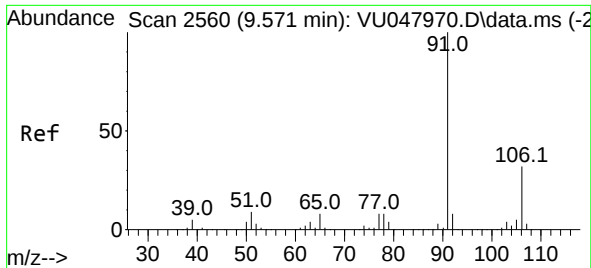
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 56.1 43.4 65.0

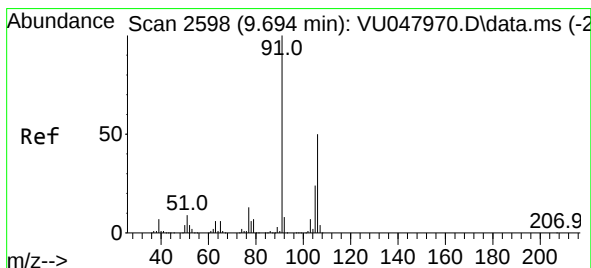
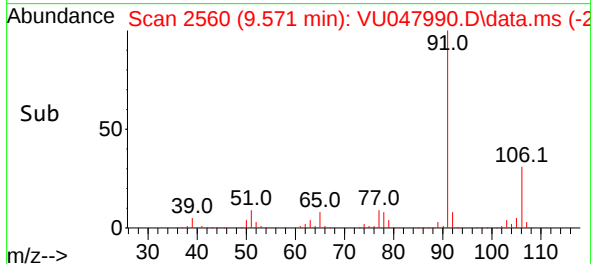
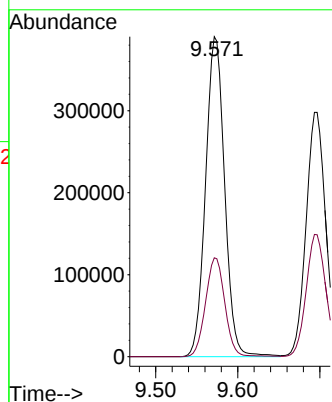
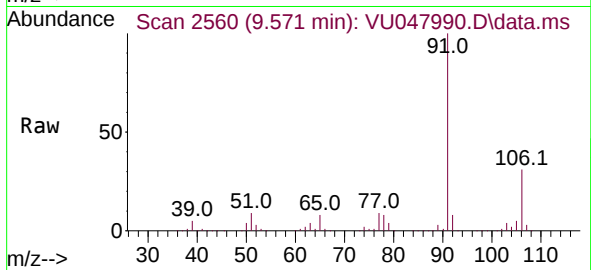




#52
Ethylbenzene
Concen: 55.099 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

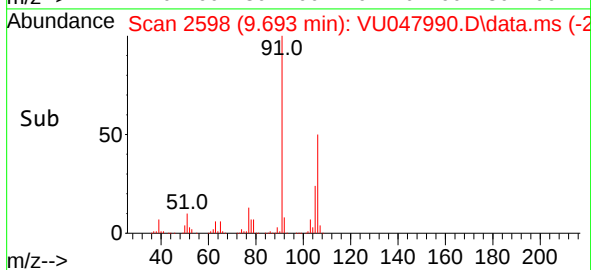
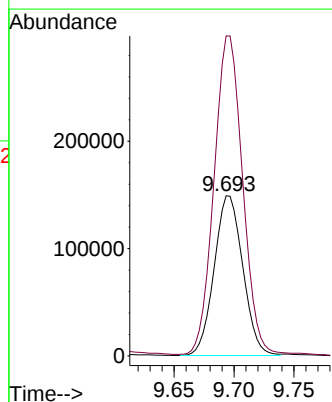
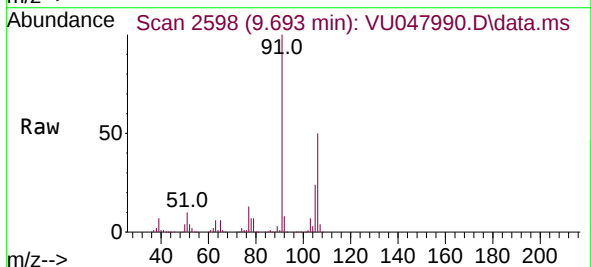
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

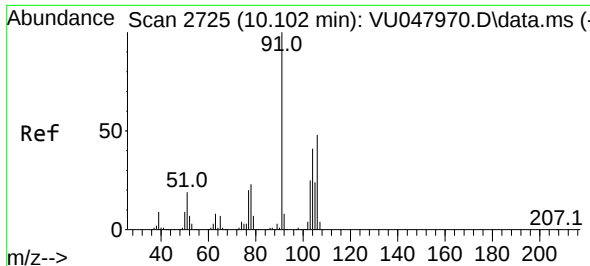
Tgt Ion: 91 Resp: 628780
Ion Ratio Lower Upper
91 100
106 30.9 22.4 41.6



#53
m,p-Xylene
Concen: 55.175 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 106 Resp: 247062
Ion Ratio Lower Upper
106 100
91 199.8 137.7 255.7

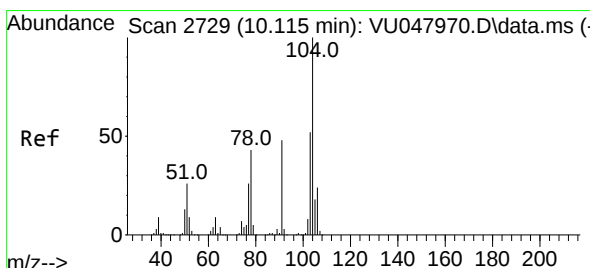
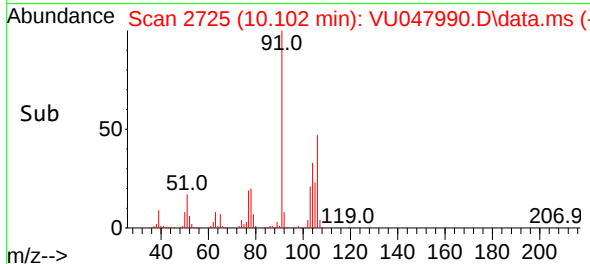
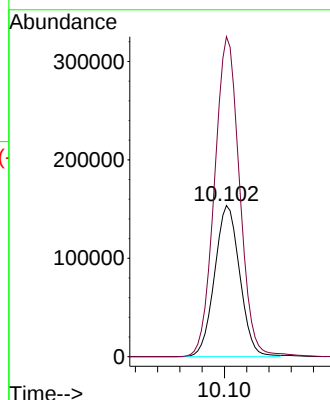
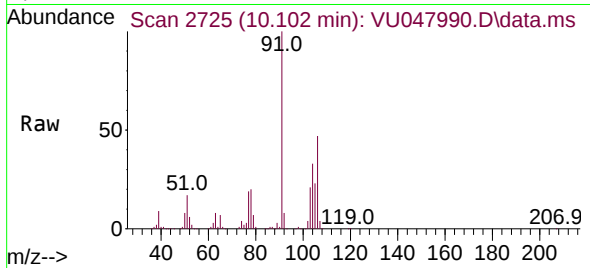




#54
o-Xylene
Concen: 54.869 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

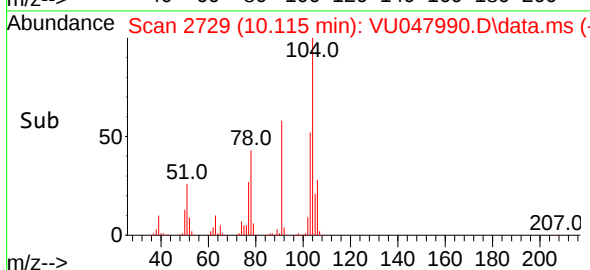
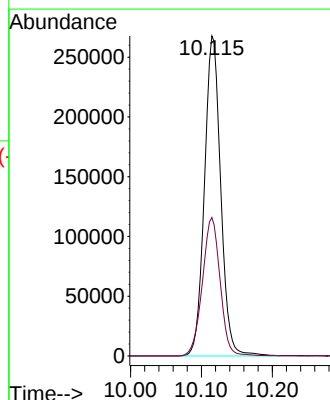
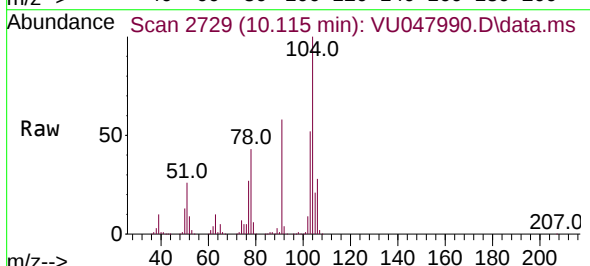
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

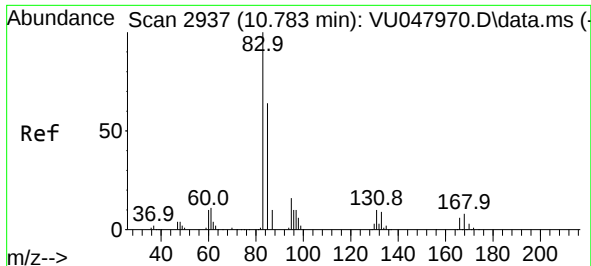
Tgt Ion:106 Resp: 241139
Ion Ratio Lower Upper
106 100
91 211.6 146.7 272.5



#55
Styrene
Concen: 57.022 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion:104 Resp: 427850
Ion Ratio Lower Upper
104 100
78 43.3 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 53.283 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

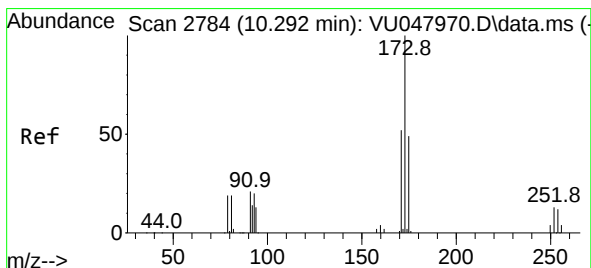
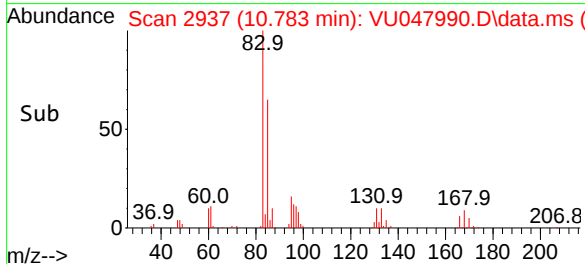
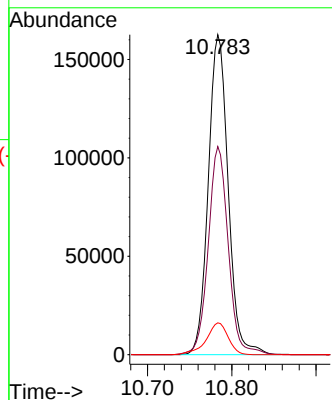
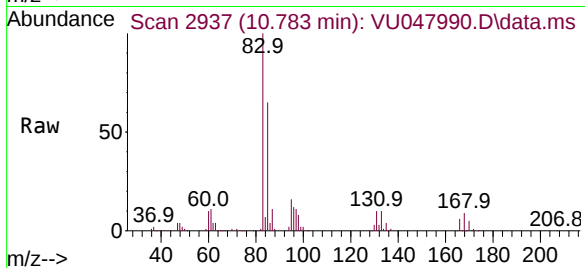
Tgt Ion: 83 Resp: 266395

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

131 9.9 8.6 13.0



#59

Bromoform

Concen: 51.510 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047990.D

Acq: 13 Apr 2022 10:01

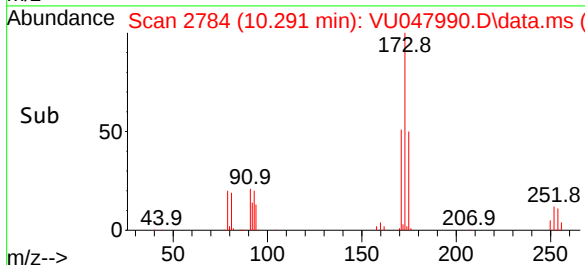
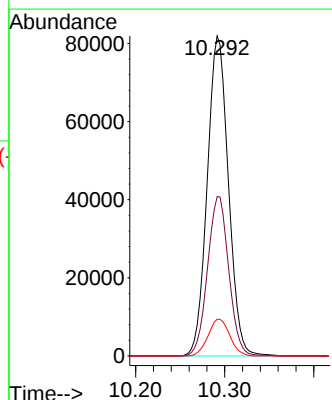
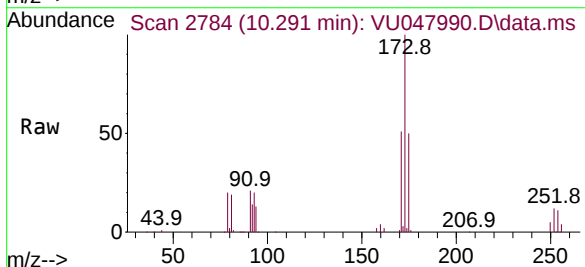
Tgt Ion:173 Resp: 135156

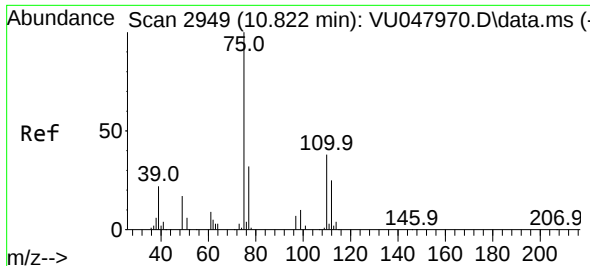
Ion Ratio Lower Upper

173 100

175 49.9 38.7 58.1

254 11.8 9.6 14.4

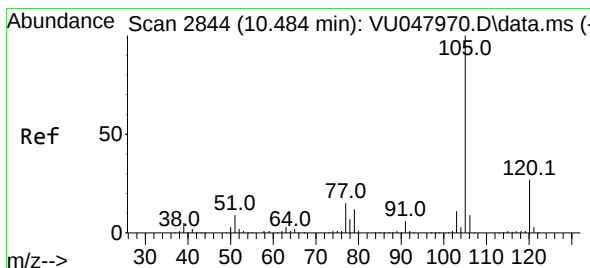
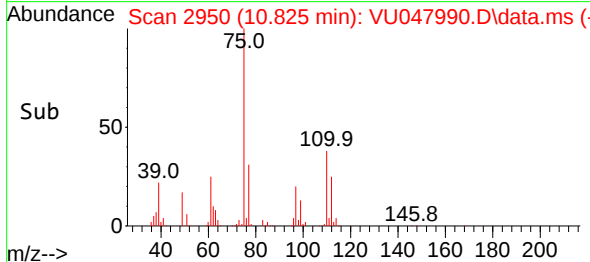
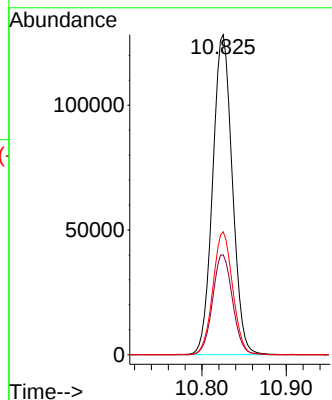
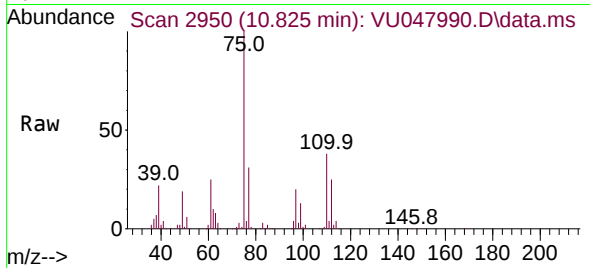




#60
1,2,3-Trichloropropane
Concen: 53.740 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

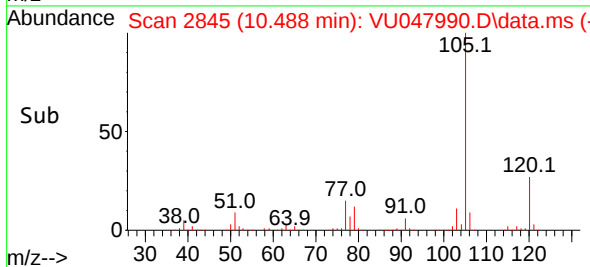
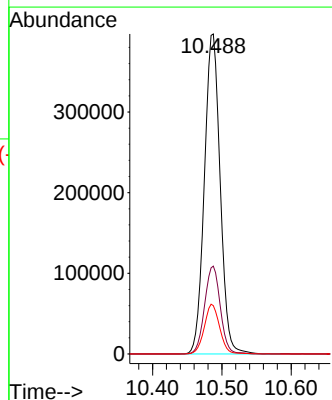
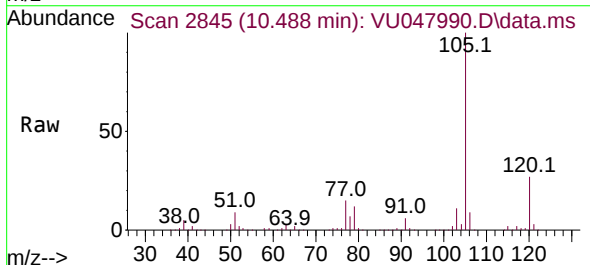
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

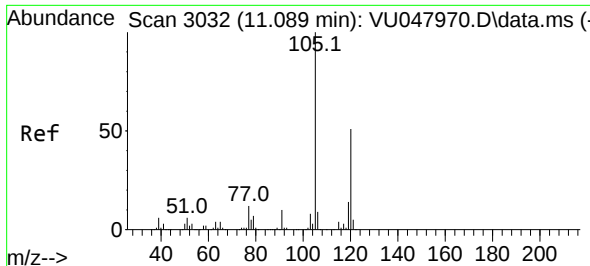
Tgt Ion: 75 Resp: 207880
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0
110 38.5 31.4 47.2



#61
Isopropylbenzene
Concen: 56.537 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 105 Resp: 626981
Ion Ratio Lower Upper
105 100
120 27.3 21.9 32.9
77 15.1 12.1 18.1

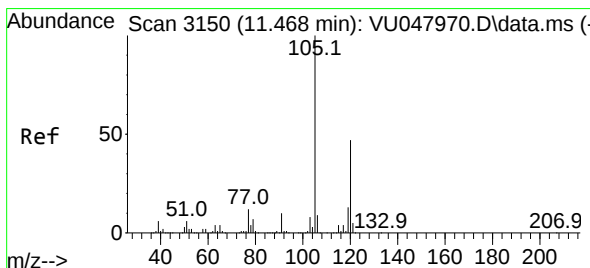
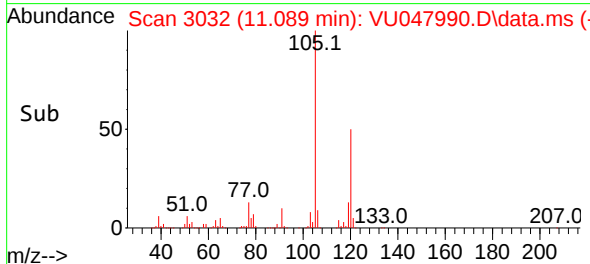
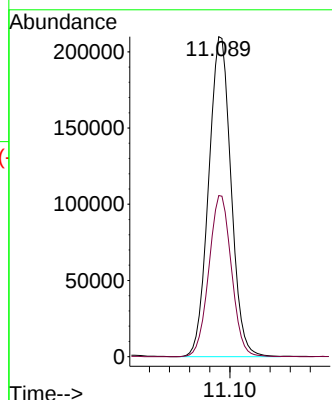
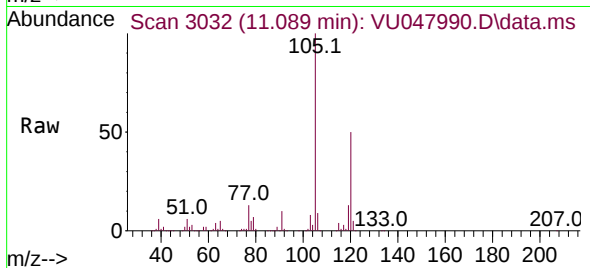




#62
 1,3,5-Trimethylbenzene
 Concen: 53.889 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

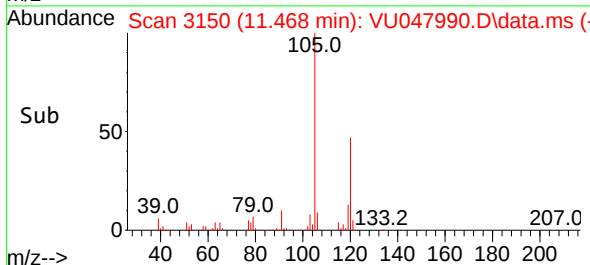
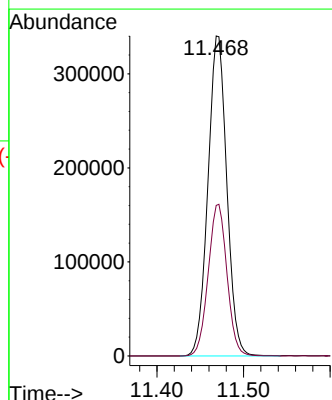
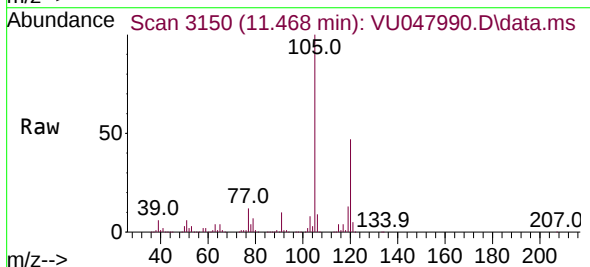
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

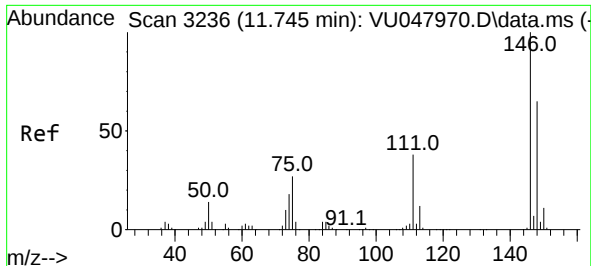
Tgt Ion:105 Resp: 324249
 Ion Ratio Lower Upper
 105 100
 120 50.7 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 56.258 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

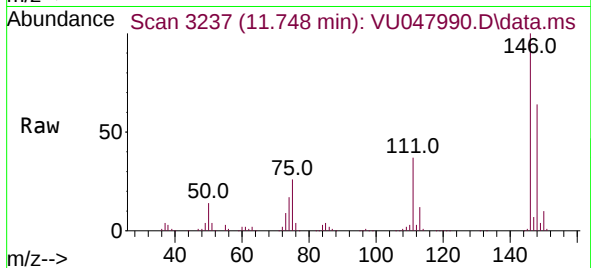
Tgt Ion:105 Resp: 514178
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.6 56.4



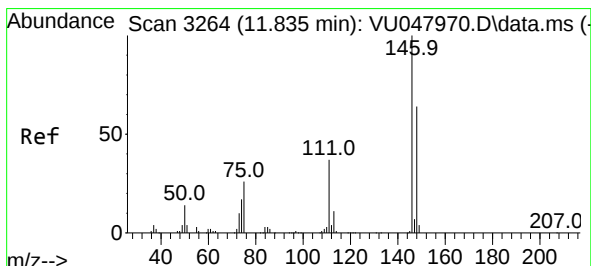
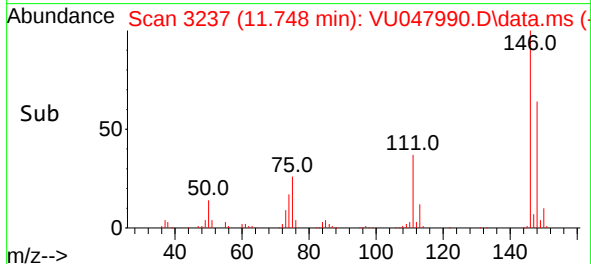
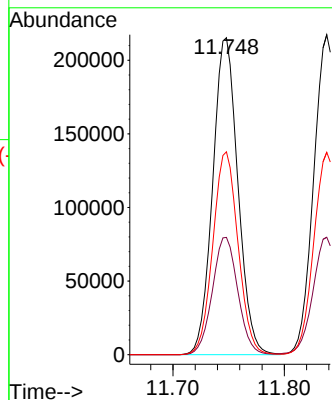


#64
1,3-Dichlorobenzene
Concen: 54.904 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

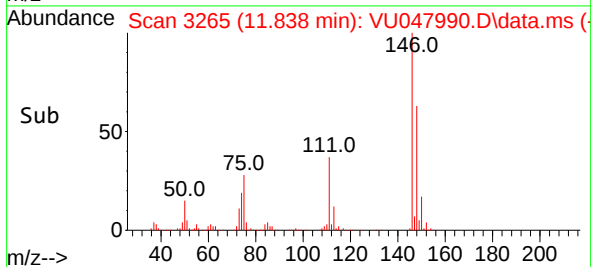
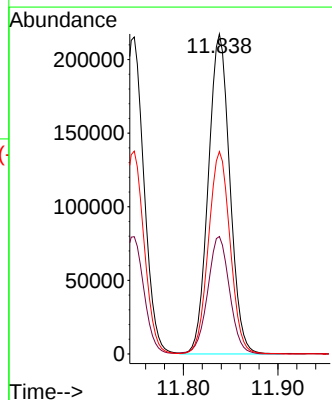
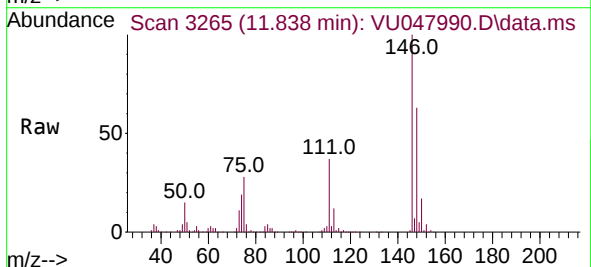


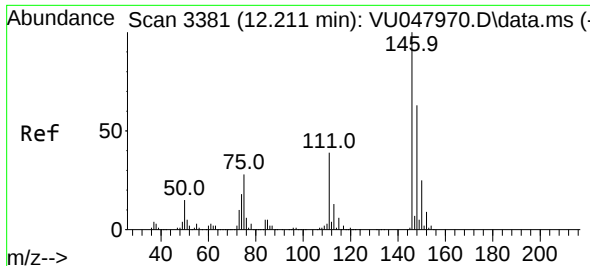
Tgt Ion:146 Resp: 338425
Ion Ratio Lower Upper
146 100
111 37.0 26.7 49.7
148 64.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 53.894 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion:146 Resp: 344090
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 63.3 44.5 82.7

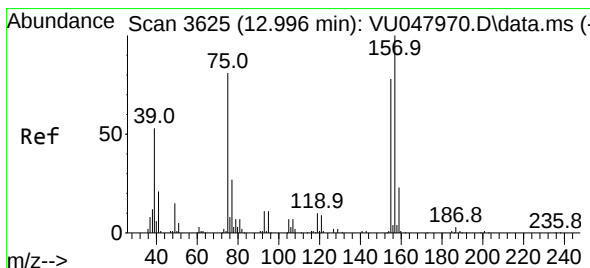
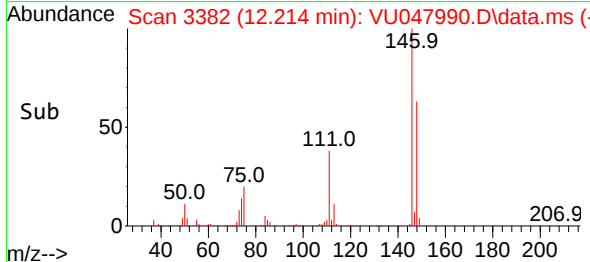
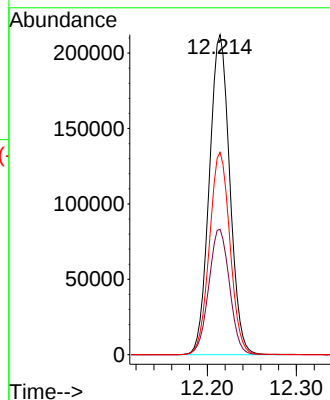
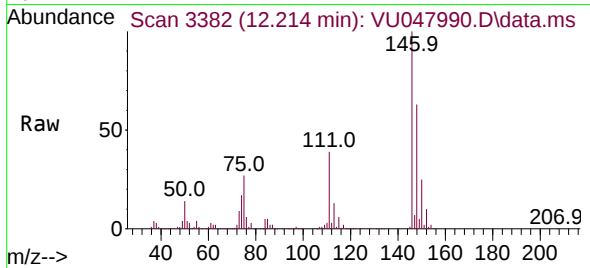




#67
1,2-Dichlorobenzene
Concen: 54.820 ug/L
RT: 12.214 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

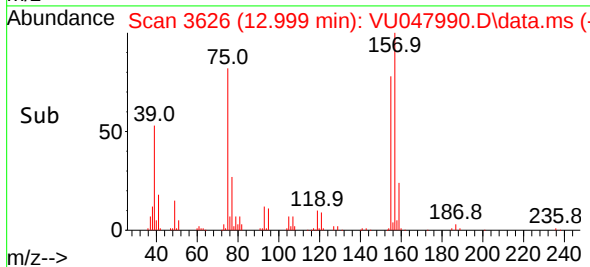
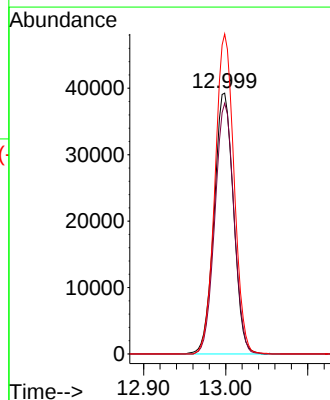
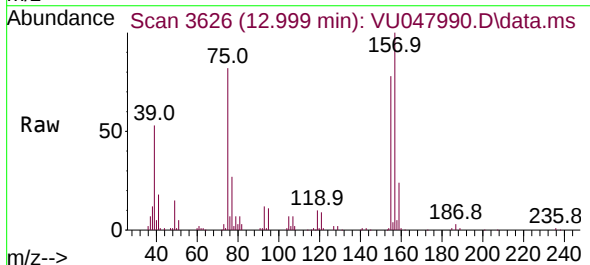
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

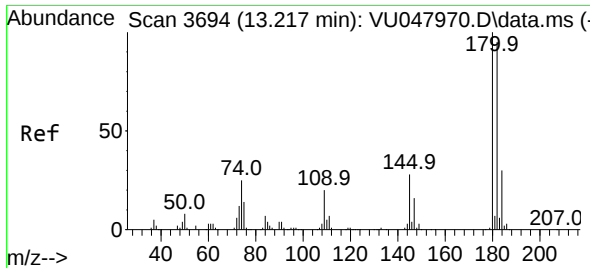
Tgt Ion:146 Resp: 338102
Ion Ratio Lower Upper
146 100
111 39.2 31.7 47.5
148 63.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 52.171 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion: 75 Resp: 64644
Ion Ratio Lower Upper
75 100
155 96.1 78.9 118.3
157 122.7 97.5 146.3



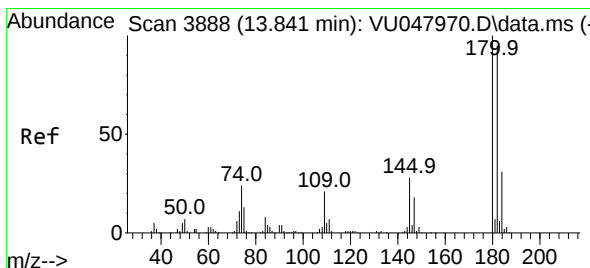
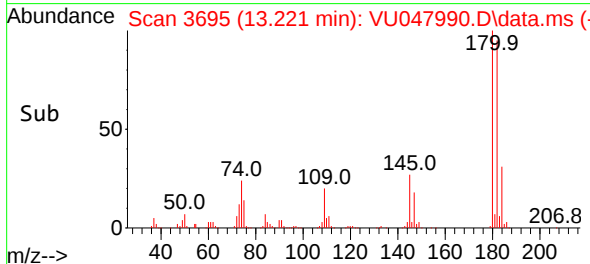
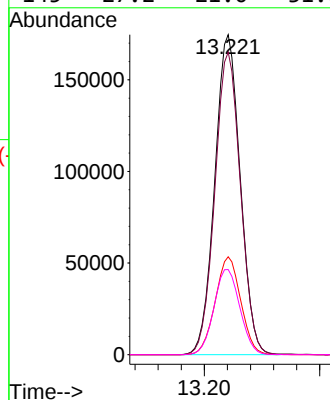
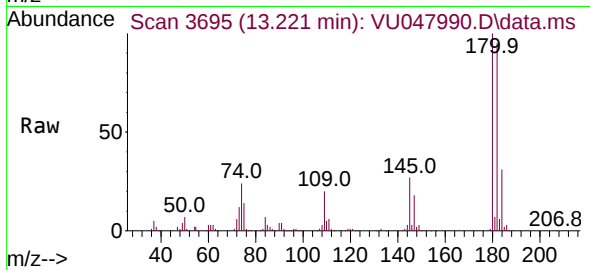


#69
 1,3,5-Trichlorobenzene
 Concen: 53.396 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

Tgt Ion:180 Resp: 267301

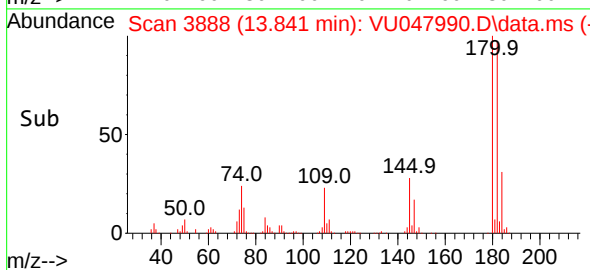
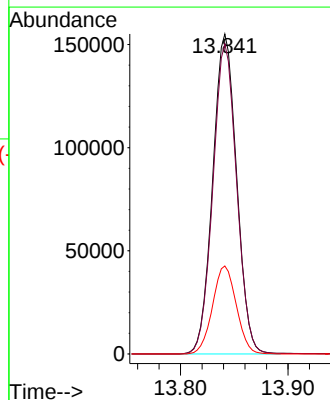
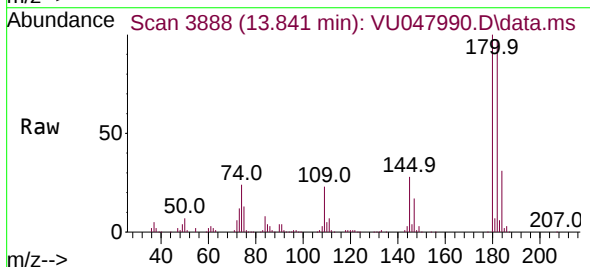
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.6
184	30.6	24.5	36.7
145	27.2	21.0	31.6

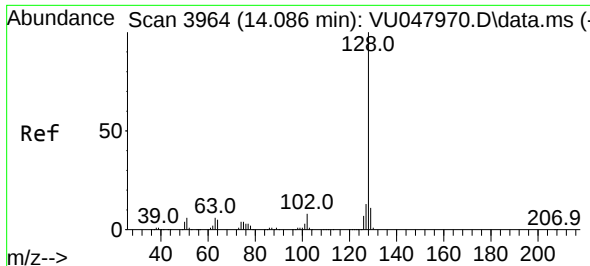


#70
 1,2,4-trichlorobenzene
 Concen: 54.588 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047990.D
 Acq: 13 Apr 2022 10:01

Tgt Ion:180 Resp: 239356

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
145	27.4	21.8	32.8

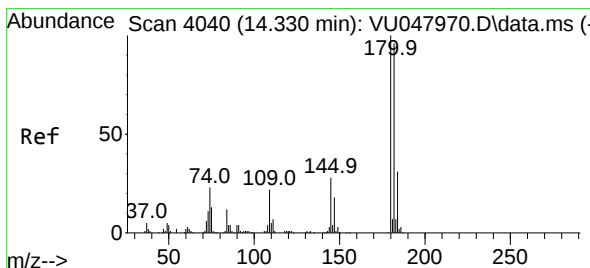
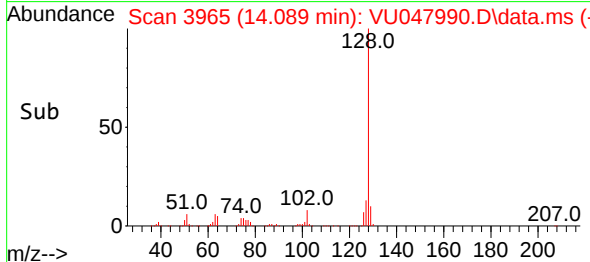
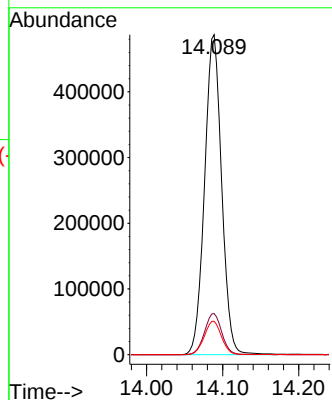
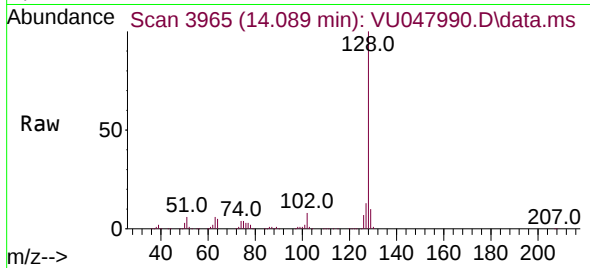




#71
Naphthalene
Concen: 58.015 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

Tgt Ion:128 Resp: 758412
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 56.685 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047990.D
Acq: 13 Apr 2022 10:01

Tgt Ion:180 Resp: 249167
Ion Ratio Lower Upper
180 100
182 96.5 77.4 116.0
145 29.5 22.8 34.2

