

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048210.D
 Acq On : 22 Apr 2022 07:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050094

Quant Time: Apr 22 07:47:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 02:51:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	334473	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	343123	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	196695	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	105547	43.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.040%
7) Chloroethane-d5	1.912	69	91066	47.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.240%
11) 1,1-Dichloroethene-d2	2.572	63	200207	45.116	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.240%
21) 2-Butanone-d5	4.620	46	209491	100.628	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.630%
24) Chloroform-d	5.067	84	222681	50.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.360%
26) 1,2-Dichloroethane-d4	5.703	65	132366	48.630	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.260%
32) Benzene-d6	5.729	84	441077	51.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.180%
36) 1,2-Dichloropropane-d6	6.690	67	145409	54.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.680%
41) Toluene-d8	7.899	98	406884	48.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.740%
43) trans-1,3-Dichloroprop...	8.179	79	59725	44.460	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.920%
47) 2-Hexanone-d5	8.632	63	138437	89.186	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.190%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	235254	51.698	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	174127	49.759	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	128320	41.382	ug/L	99
3) Chloromethane	1.523	50	137808	46.470	ug/L	99
5) Vinyl chloride	1.607	62	151884	50.219	ug/L	98
6) Bromomethane	1.855	94	71764	44.085	ug/L	97
8) Chloroethane	1.935	64	94316	49.676	ug/L	97
9) Trichlorofluoromethane	2.141	101	194752	45.664	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	123374	50.045	ug/L	99
12) 1,1-Dichloroethene	2.584	96	112732	49.135	ug/L	82
13) Acetone	2.623	43	151919	78.416	ug/L	97
14) Carbon disulfide	2.797	76	284632	39.247	ug/L	100
15) Methyl Acetate	2.948	43	170211	55.097	ug/L	96
16) Methylene chloride	3.047	84	148240	56.305	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	122134	49.353	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	388410	55.633	ug/L	97
19) 1,1-Dichloroethane	3.874	63	245486	57.518	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	146244	53.905	ug/L	96
22) 2-Butanone	4.700	43	245900	98.532	ug/L	95
23) Bromochloromethane	4.977	128	81011	54.386	ug/L	94
25) Chloroform	5.089	83	257427	56.023	ug/L	98

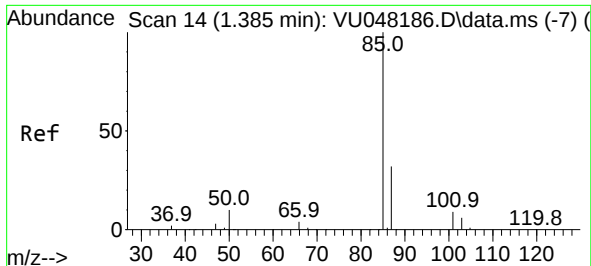
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048210.D
 Acq On : 22 Apr 2022 07:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050094

Quant Time: Apr 22 07:47:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 02:51:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	184210	51.890	ug/L	98
29) Cyclohexane	5.391	56	174308	50.063	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	206512	53.079	ug/L	100
31) Carbon tetrachloride	5.526	117	176940	50.363	ug/L	99
33) Benzene	5.777	78	558607	56.244	ug/L	100
34) Trichloroethene	6.542	95	137934	52.974	ug/L	100
35) Methylcyclohexane	6.764	83	183534	46.332	ug/L	97
37) 1,2-Dichloropropane	6.793	63	154161	61.058	ug/L	99
38) Bromodichloromethane	7.105	83	193259	55.740	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	199917	51.031	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	443939	111.251	ug/L	98
42) Toluene	7.970	91	595164	54.615	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	196664	50.278	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	156276	58.361	ug/L	99
46) Tetrachloroethene	8.555	164	112036	47.881	ug/L	97
48) 2-Hexanone	8.681	43	345617	100.689	ug/L	98
49) Dibromochloromethane	8.809	129	165479	53.356	ug/L	99
50) 1,2-Dibromoethane	8.925	107	163623	54.506	ug/L	100
51) Chlorobenzene	9.446	112	408821	55.251	ug/L	98
52) Ethylbenzene	9.571	91	608829	53.134	ug/L	99
53) m,p-Xylene	9.693	106	240031	53.387	ug/L	98
54) o-Xylene	10.102	106	241121	54.642	ug/L	98
55) Styrene	10.115	104	413439	54.877	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	278760	55.530	ug/L	98
59) Bromoform	10.291	173	133953	53.258	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	214727	57.909	ug/L	98
61) Isopropylbenzene	10.484	105	598807	56.330	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	305639	52.991	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	481801	54.993	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	319037	53.996	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	335455	54.812	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	339590	57.440	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	60153	50.644	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	232385	48.427	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	213236	50.733	ug/L	99
71) Naphthalene	14.086	128	590909	47.155	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	211143	50.110	ug/L	98

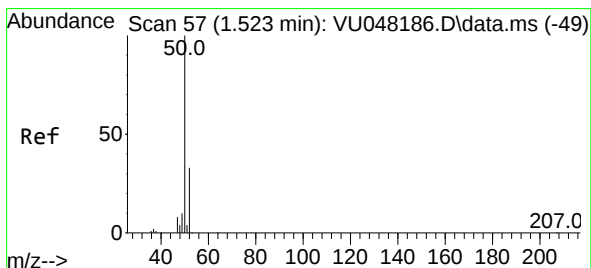
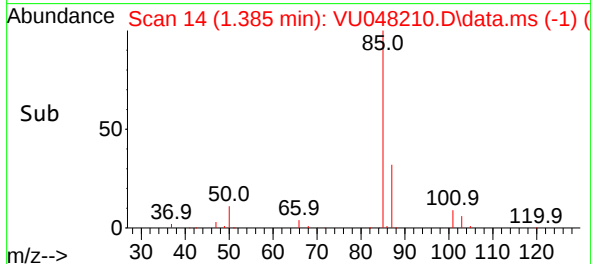
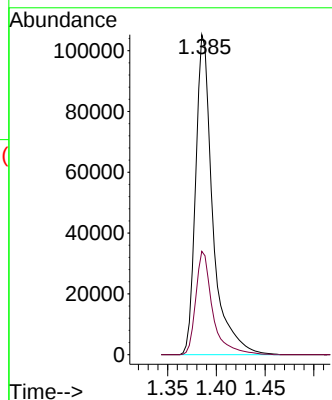
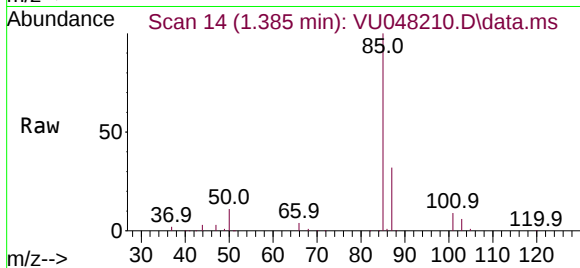
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 41.382 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

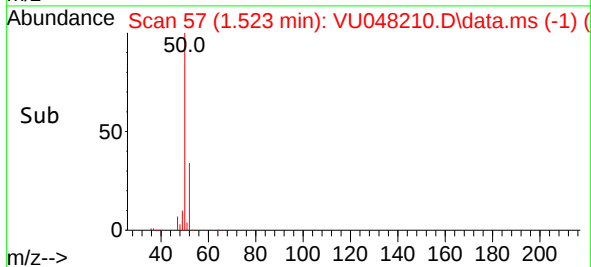
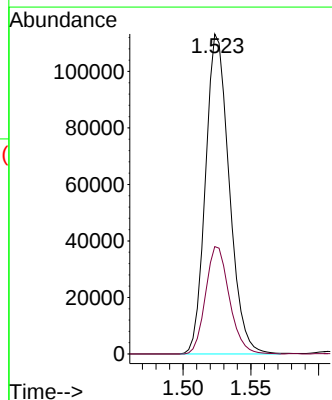
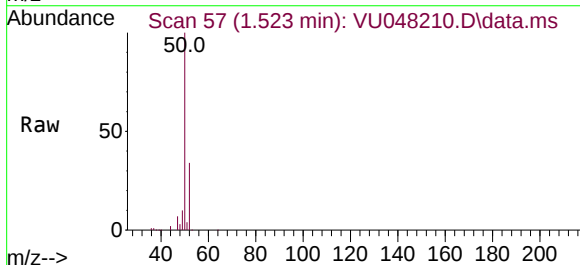
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

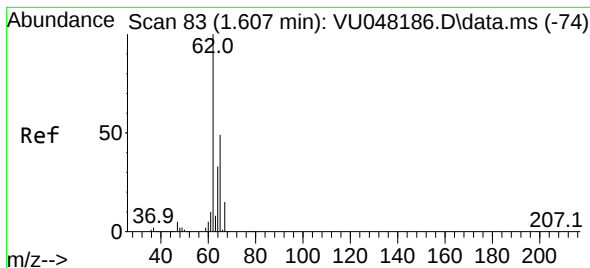
Tgt Ion: 85 Resp: 128320
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.8



#3
Chloromethane
Concen: 46.470 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 50 Resp: 137808
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.2





#5

Vinyl chloride

Concen: 50.219 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

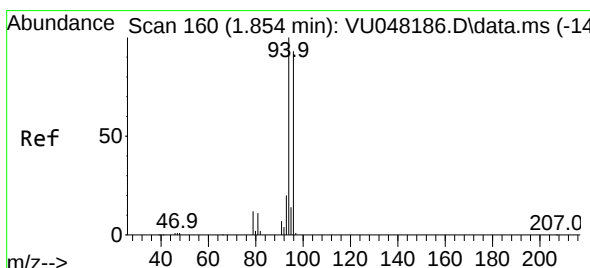
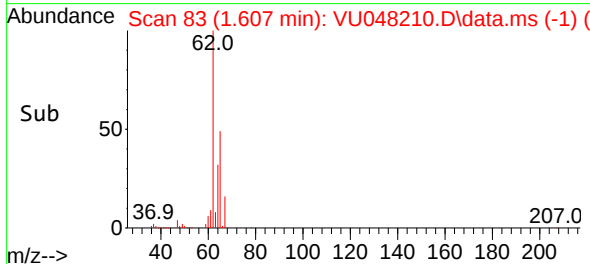
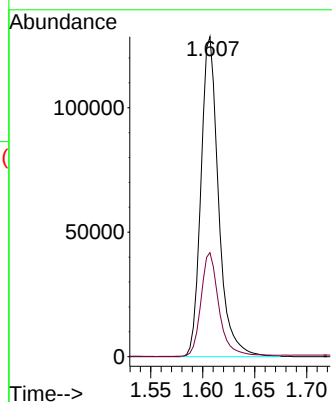
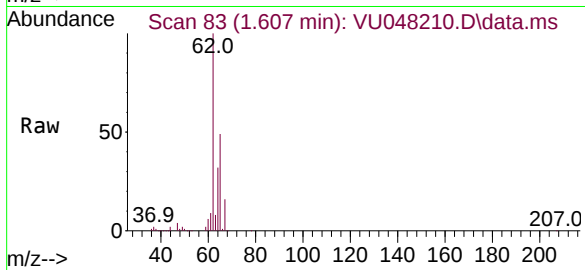
VSTD050094

Tgt Ion: 62 Resp: 151884

Ion Ratio Lower Upper

62 100

64 32.5 23.7 43.9



#6

Bromomethane

Concen: 44.085 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.000 min

Lab File: VU048210.D

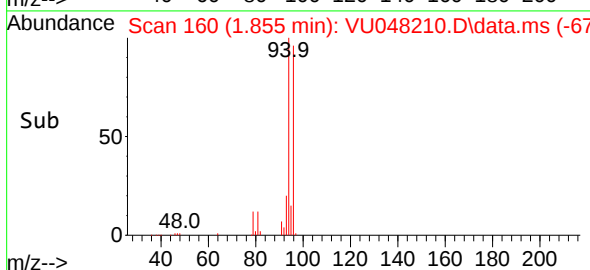
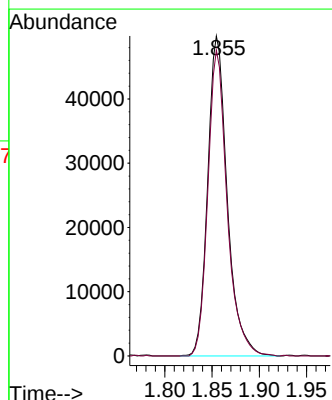
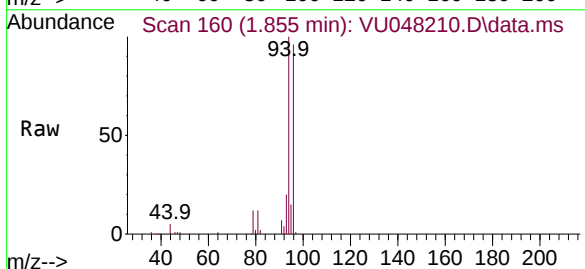
Acq: 22 Apr 2022 07:33

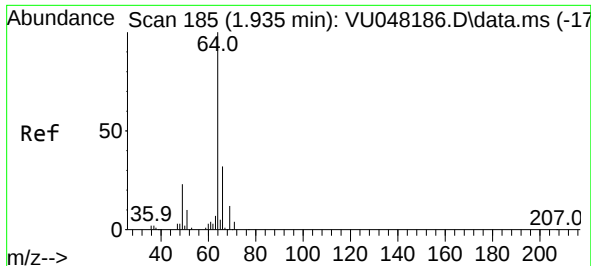
Tgt Ion: 94 Resp: 71764

Ion Ratio Lower Upper

94 100

96 95.6 64.8 120.3

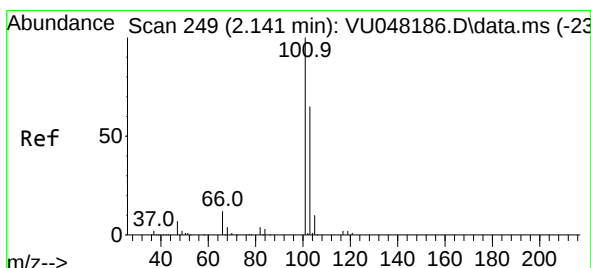
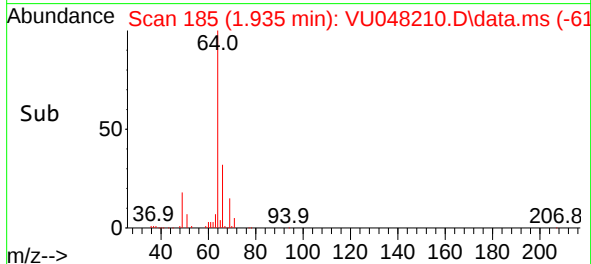
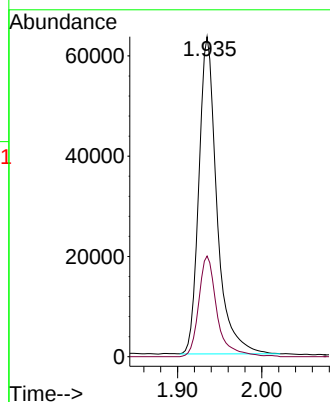
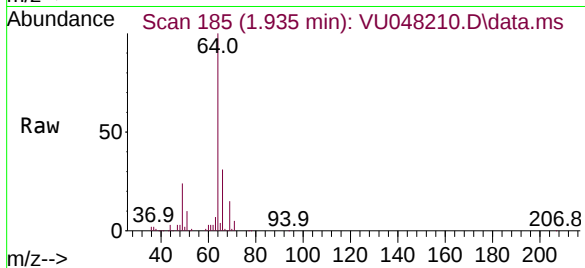




#8
Chloroethane
Concen: 49.676 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

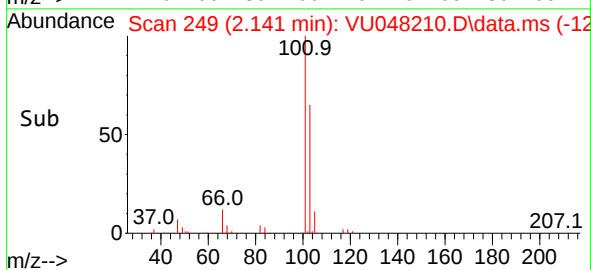
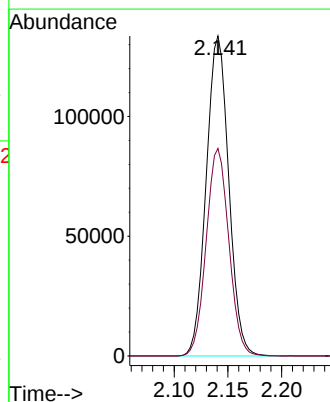
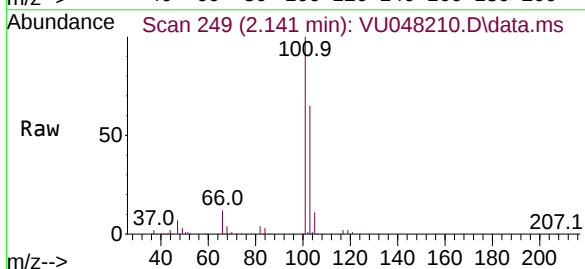
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

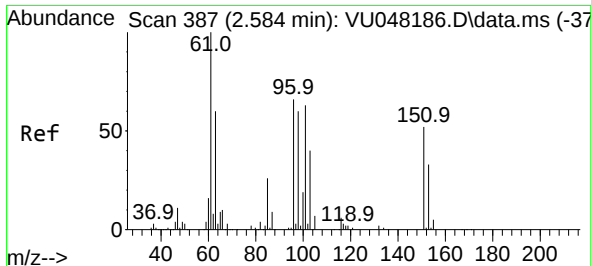
Tgt Ion: 64 Resp: 94316
Ion Ratio Lower Upper
64 100
66 31.5 23.3 43.3



#9
Trichlorofluoromethane
Concen: 45.664 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 101 Resp: 194752
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2

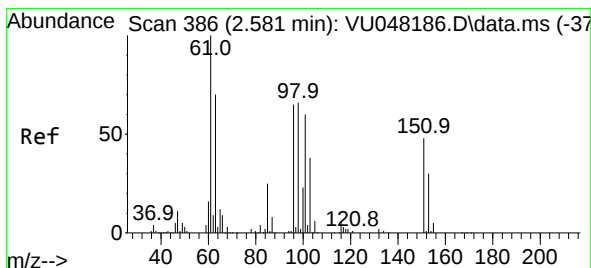
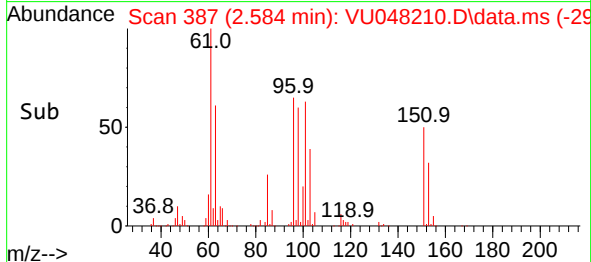
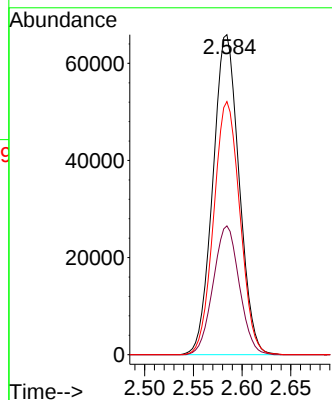
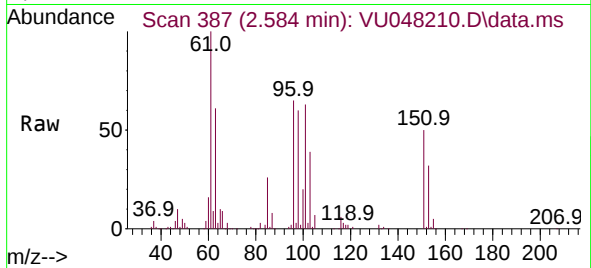




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.045 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

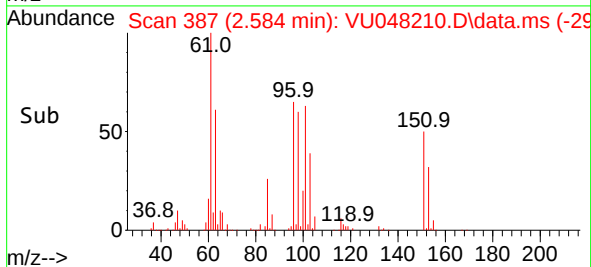
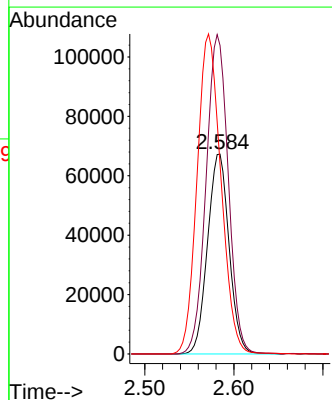
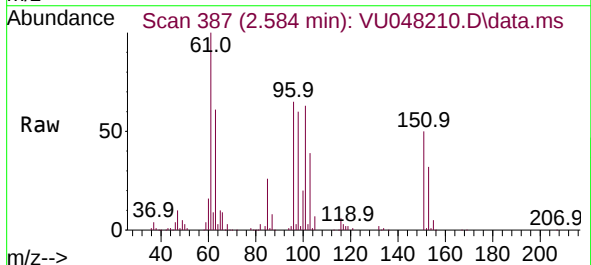
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

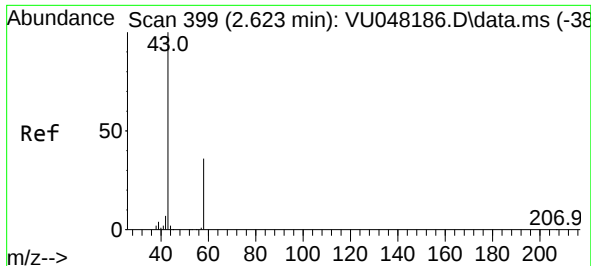
Tgt Ion:101 Resp: 123374
Ion Ratio Lower Upper
101 100
85 40.1 32.8 49.2
151 79.1 63.0 94.6



#12
1,1-Dichloroethene
Concen: 49.135 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 96 Resp: 112732
Ion Ratio Lower Upper
96 100
61 154.4 113.1 210.1
63 94.8 94.8 176.0





#13

Acetone

Concen: 78.416 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

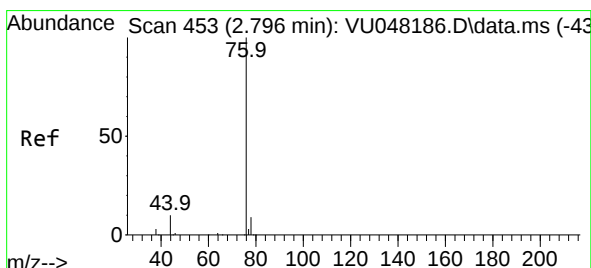
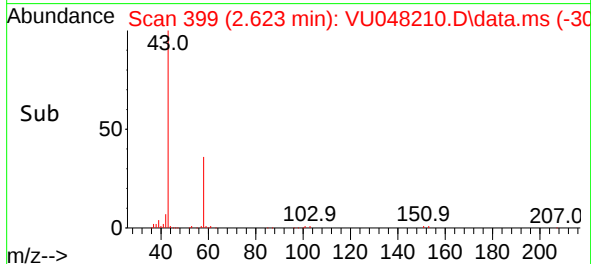
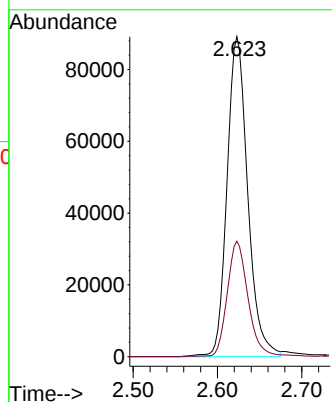
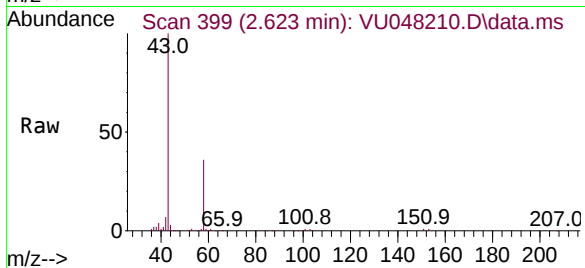
VSTD050094

Tgt Ion: 43 Resp: 151919

Ion Ratio Lower Upper

43 100

58 36.6 0.0 70.0



#14

Carbon disulfide

Concen: 39.247 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU048210.D

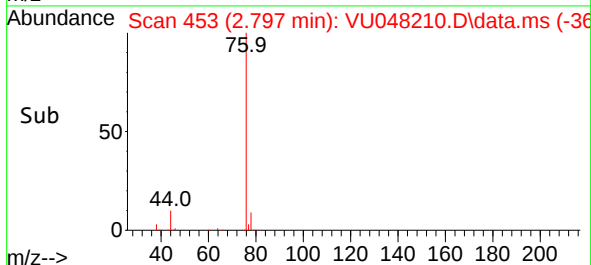
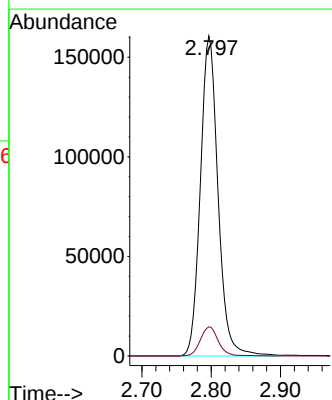
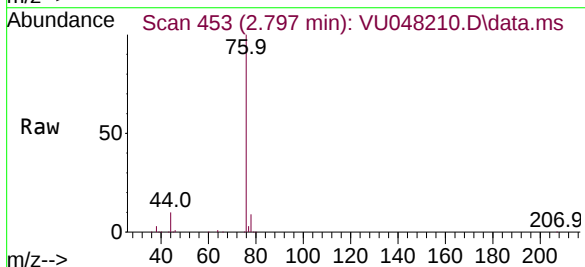
Acq: 22 Apr 2022 07:33

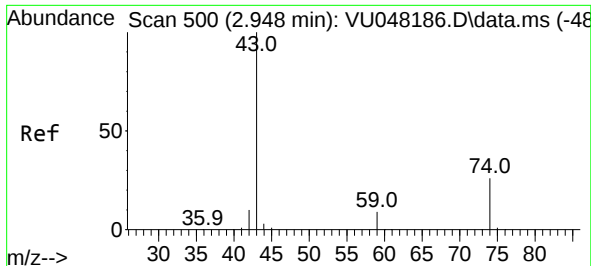
Tgt Ion: 76 Resp: 284632

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

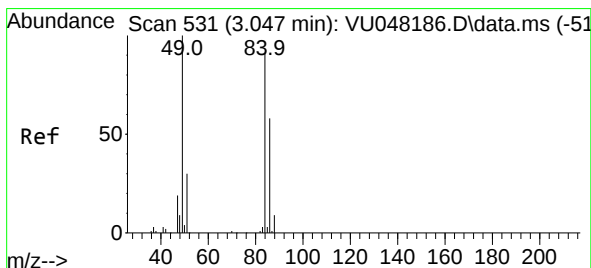
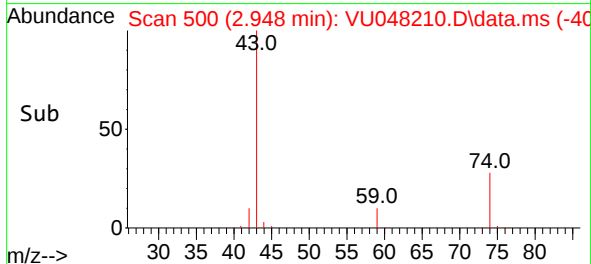
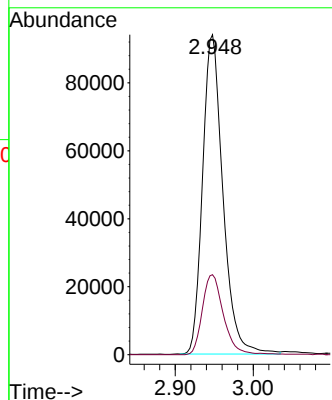
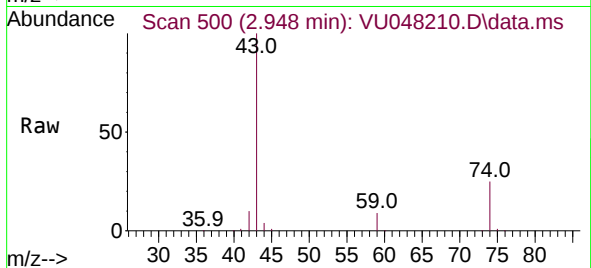




#15
Methyl Acetate
Concen: 55.097 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

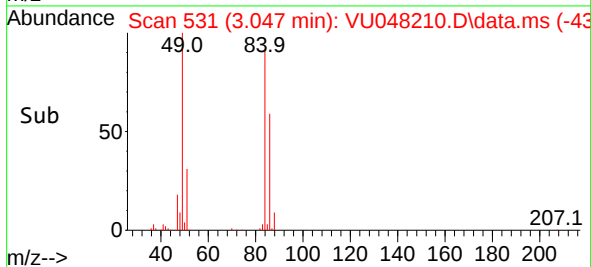
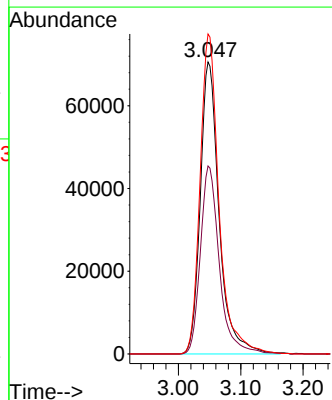
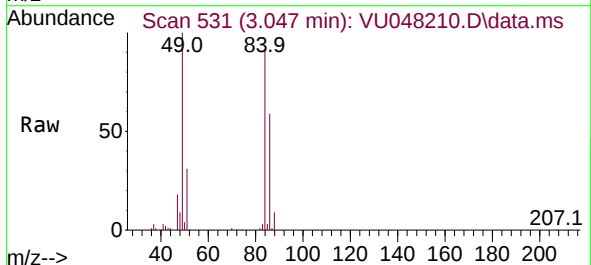
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

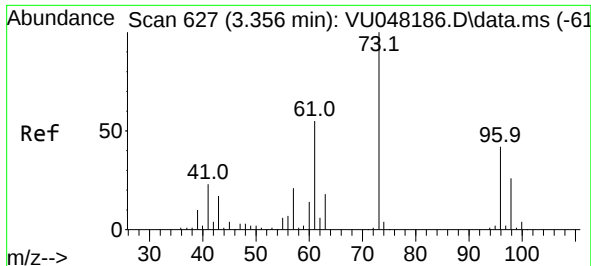
Tgt Ion: 43 Resp: 170211
Ion Ratio Lower Upper
43 100
74 25.7 22.2 33.2



#16
Methylene chloride
Concen: 56.305 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 84 Resp: 148240
Ion Ratio Lower Upper
84 100
86 64.3 46.0 85.4
49 109.6 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 49.353 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050094

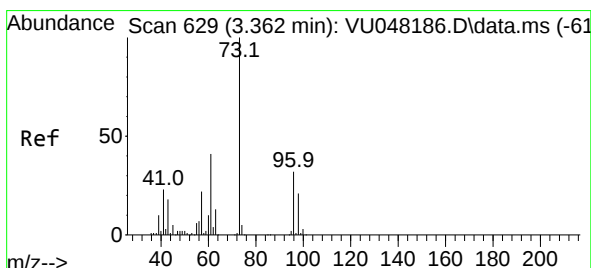
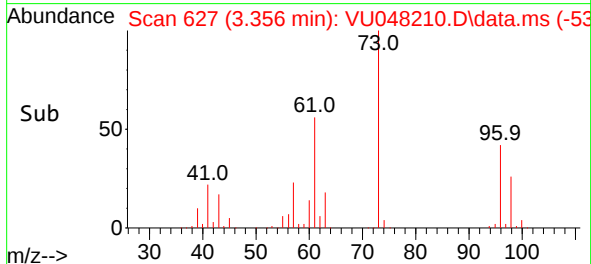
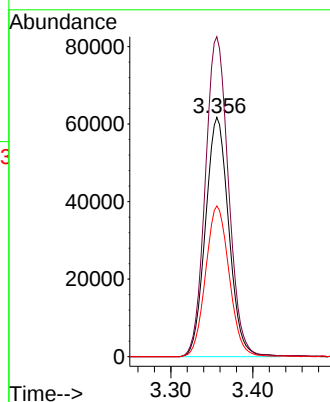
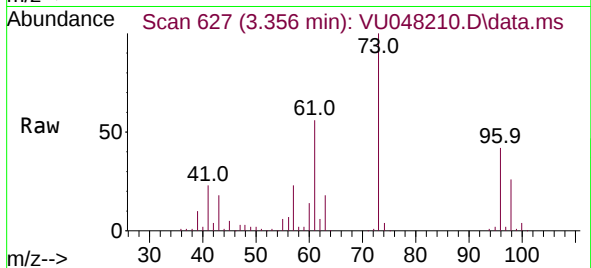
Tgt Ion: 96 Resp: 122134

Ion Ratio Lower Upper

96 100

61 133.7 88.4 164.2

98 63.0 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 55.633 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

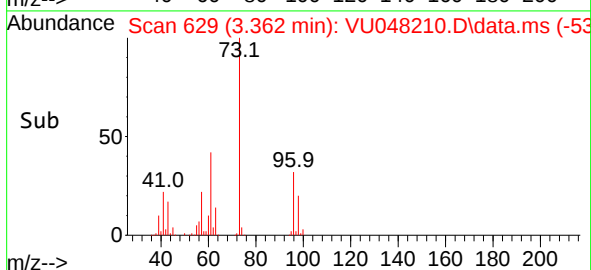
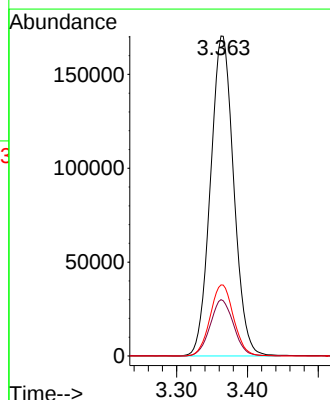
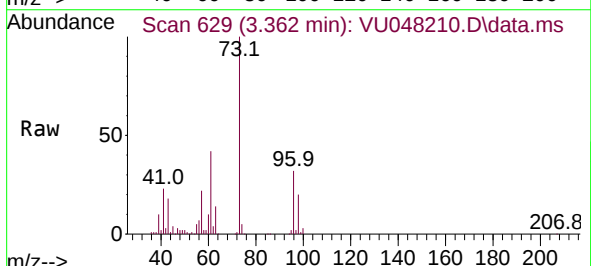
Tgt Ion: 73 Resp: 388410

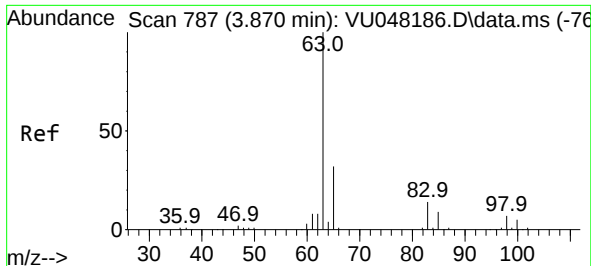
Ion Ratio Lower Upper

73 100

43 17.7 15.3 22.9

57 22.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 57.518 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050094

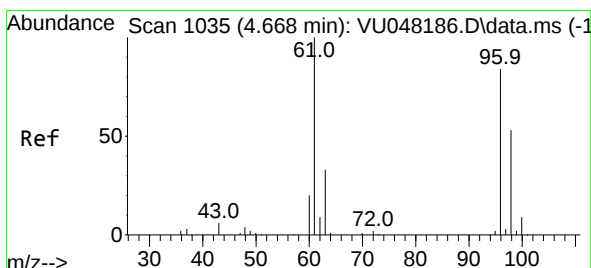
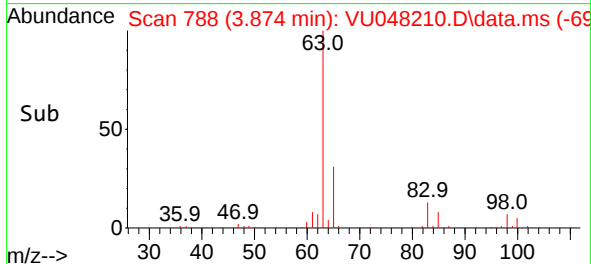
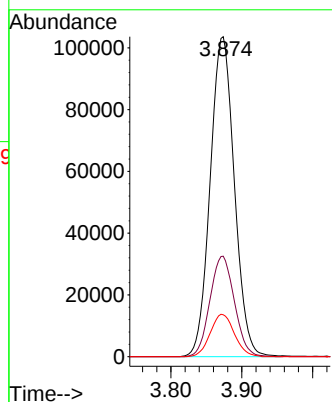
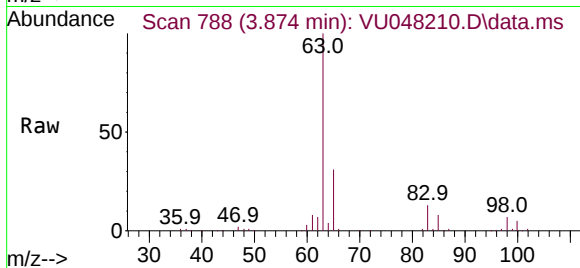
Tgt Ion: 63 Resp: 245486

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 13.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 53.905 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

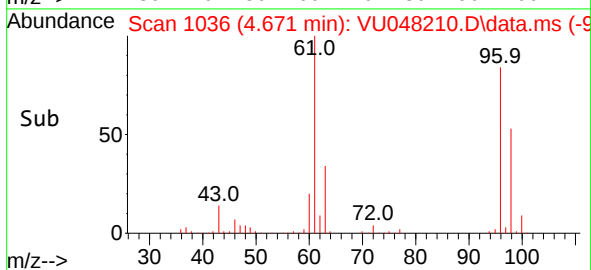
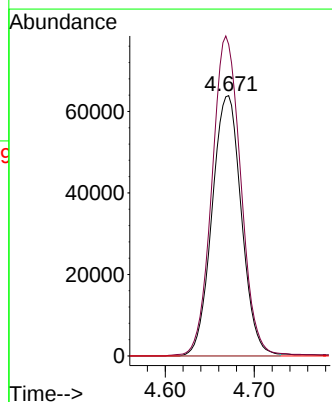
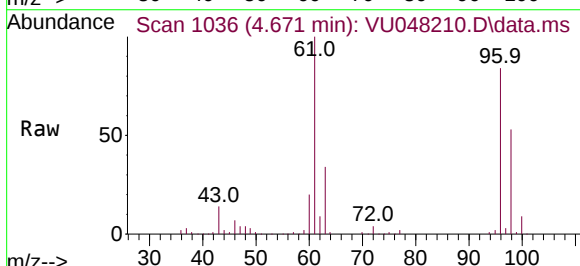
Tgt Ion: 96 Resp: 146244

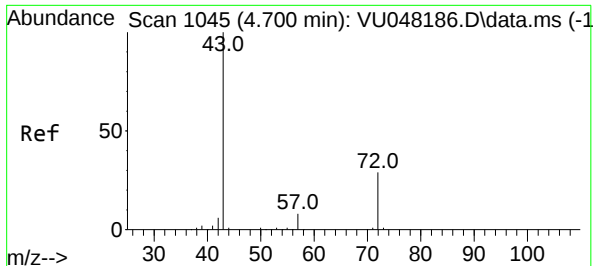
Ion Ratio Lower Upper

96 100

61 119.7 80.7 149.9

68 0.0 0.0 0.0

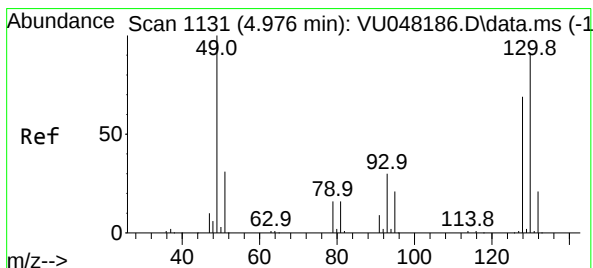
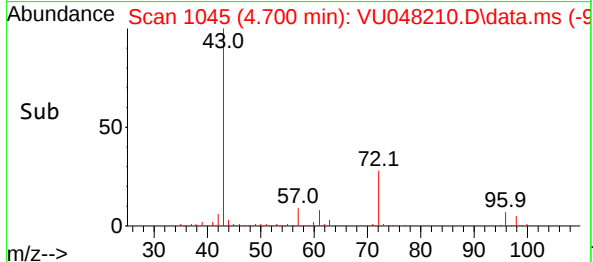
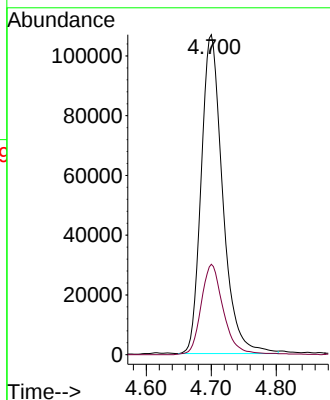
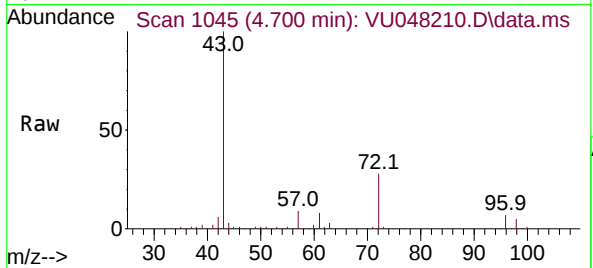




#22
2-Butanone
Concen: 98.532 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

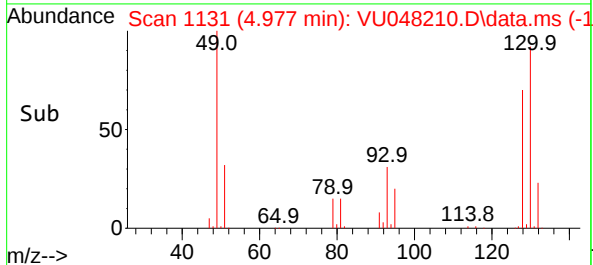
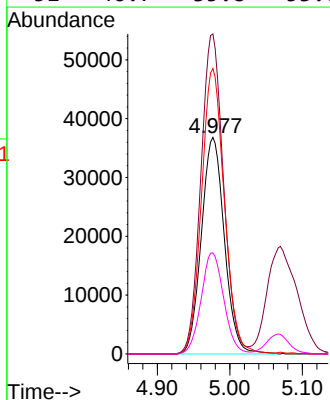
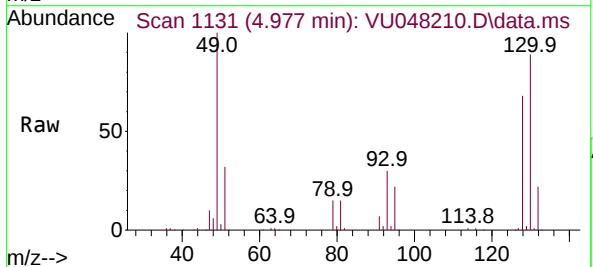
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

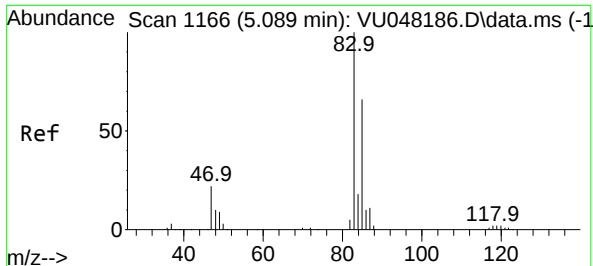
Tgt Ion: 43 Resp: 245900
Ion Ratio Lower Upper
43 100
72 29.1 16.0 47.9



#23
Bromochloromethane
Concen: 54.386 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:128 Resp: 81011
Ion Ratio Lower Upper
128 100
49 147.9 94.1 174.8
130 131.9 90.2 167.4
51 46.7 35.8 53.6





#25

Chloroform

Concen: 56.023 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

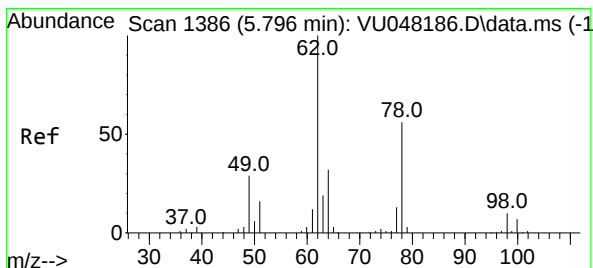
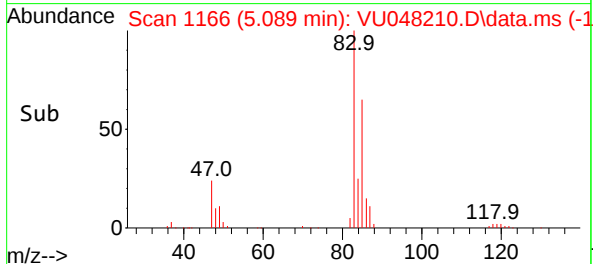
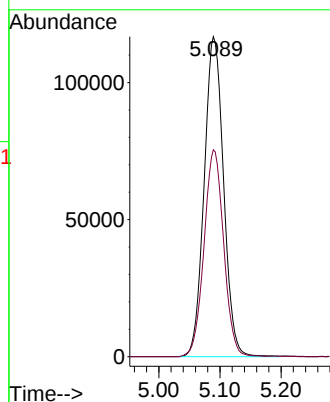
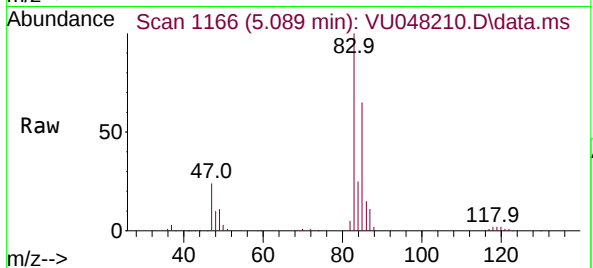
VSTD050094

Tgt Ion: 83 Resp: 257427

Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 51.890 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048210.D

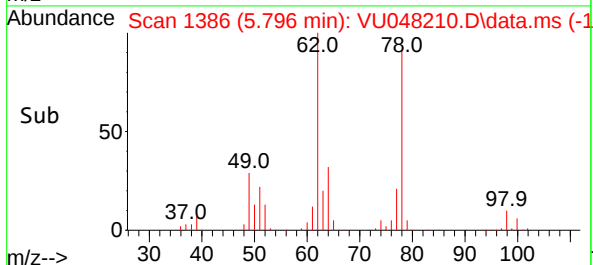
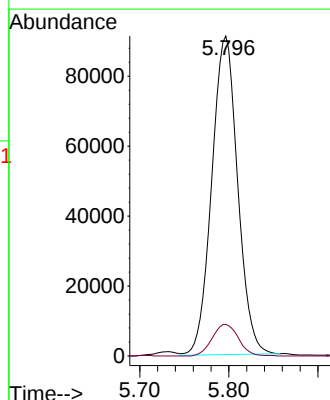
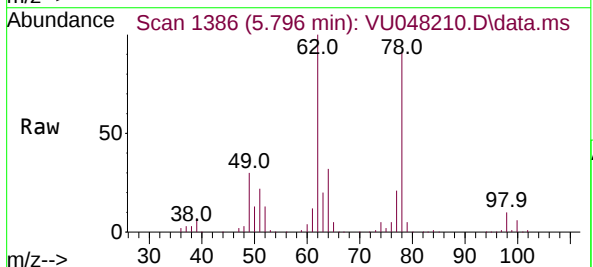
Acq: 22 Apr 2022 07:33

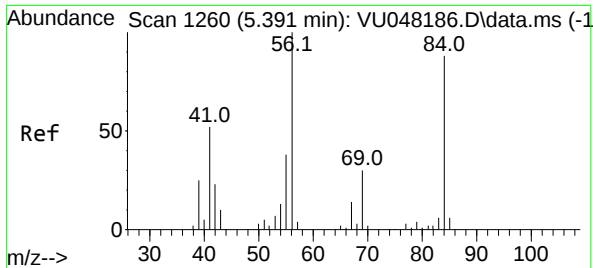
Tgt Ion: 62 Resp: 184210

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.0





#29

Cyclohexane

Concen: 50.063 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050094

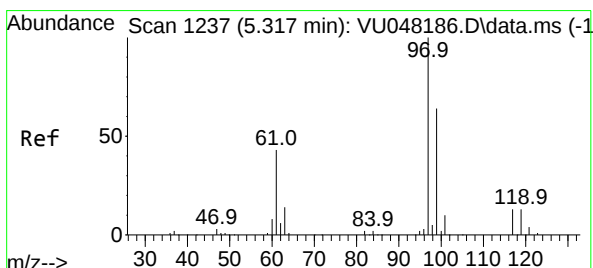
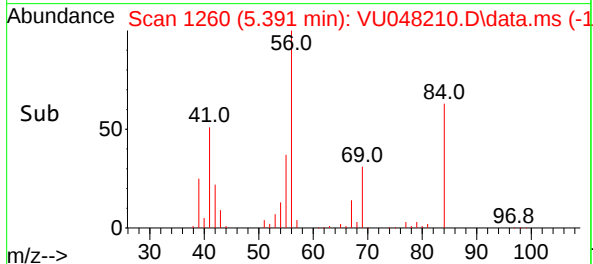
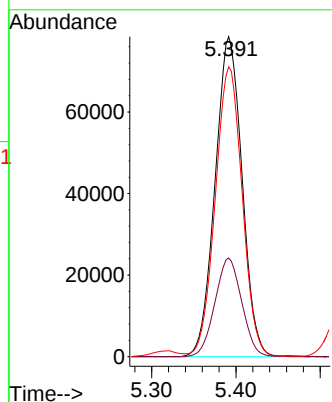
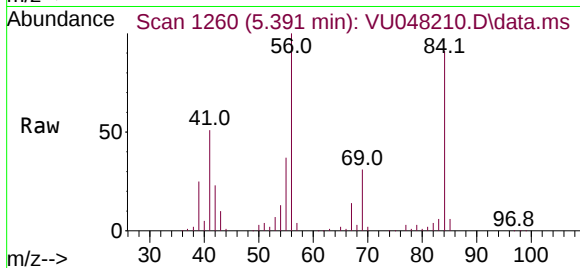
Tgt Ion: 56 Resp: 174308

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.2

84 90.5 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 53.079 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

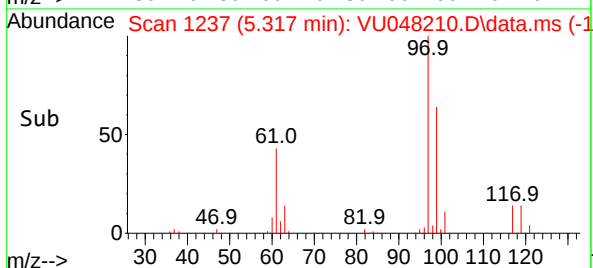
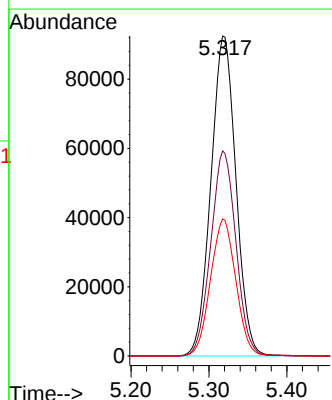
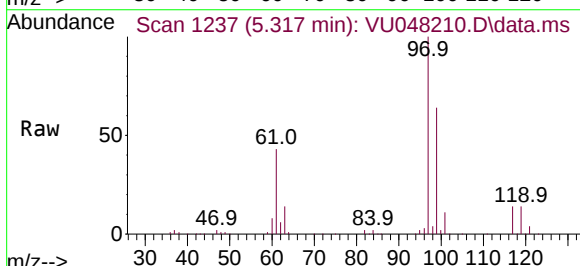
Tgt Ion: 97 Resp: 206512

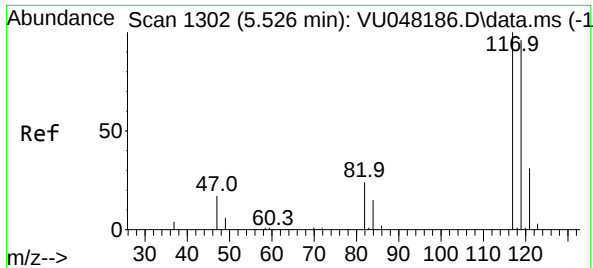
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 43.2 34.2 51.4

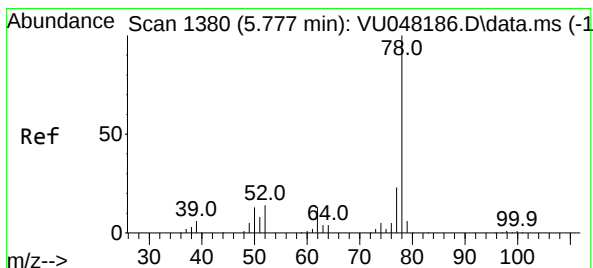
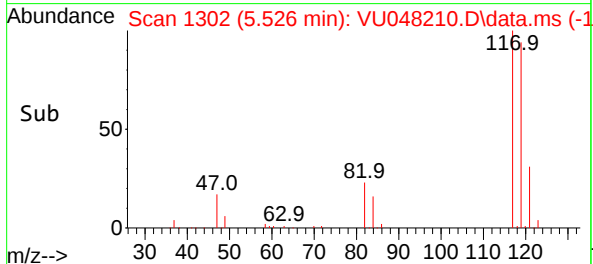
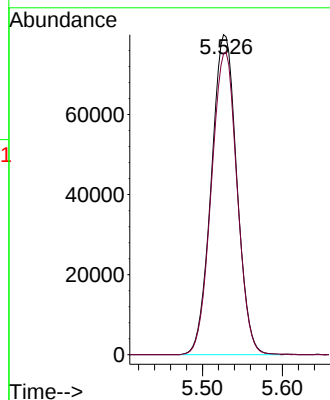
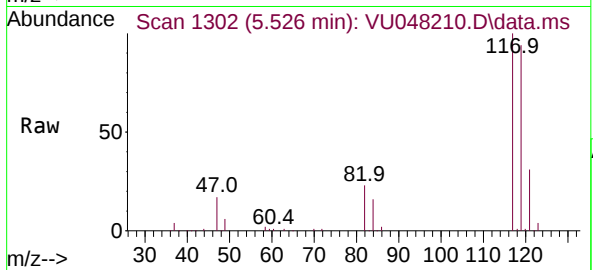




#31
Carbon tetrachloride
Concen: 50.363 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

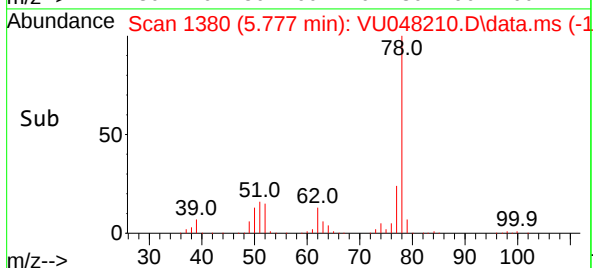
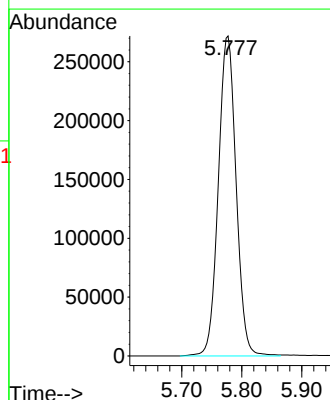
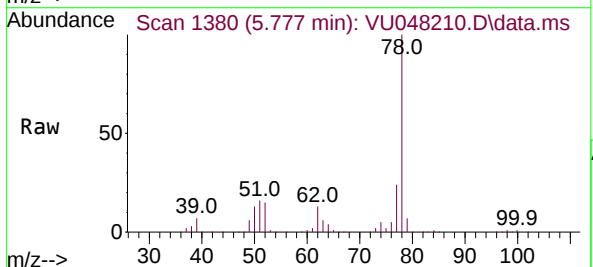
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

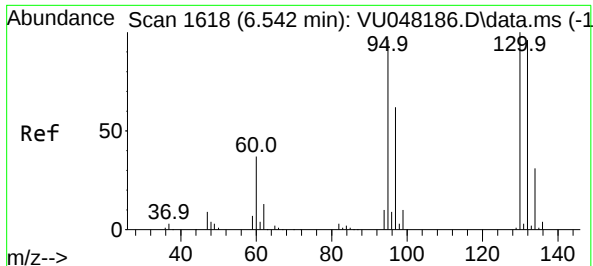
Tgt Ion:117 Resp: 176940
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8



#33
Benzene
Concen: 56.244 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 78 Resp: 558607

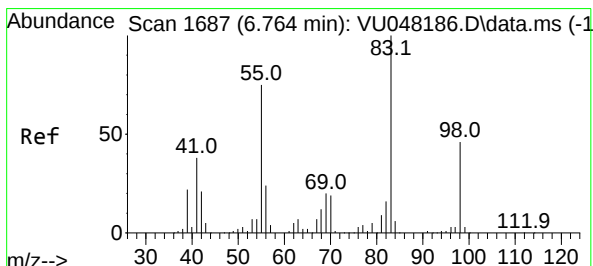
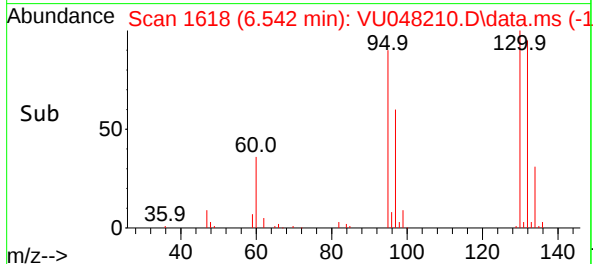
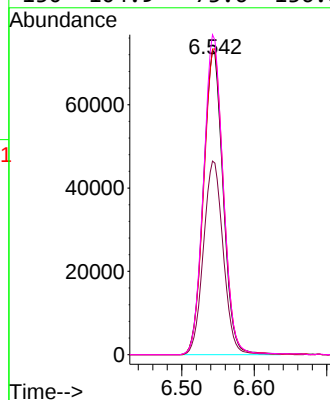
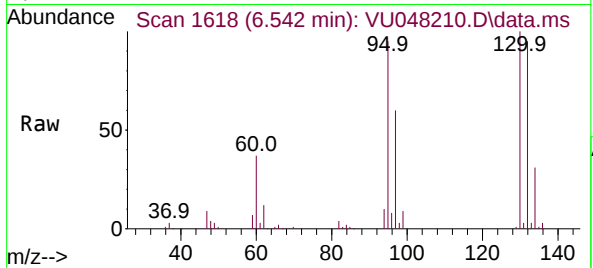




#34
Trichloroethene
Concen: 52.974 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

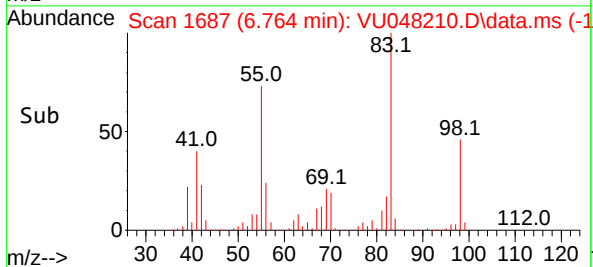
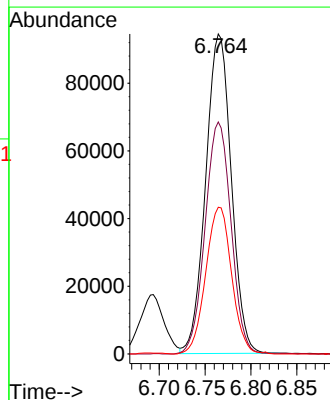
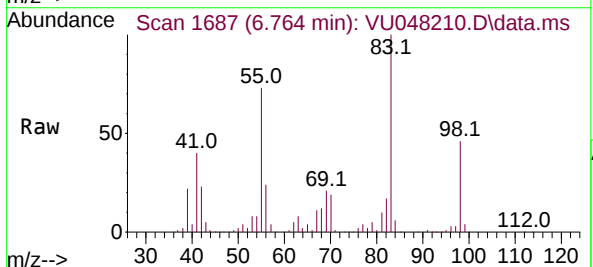
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

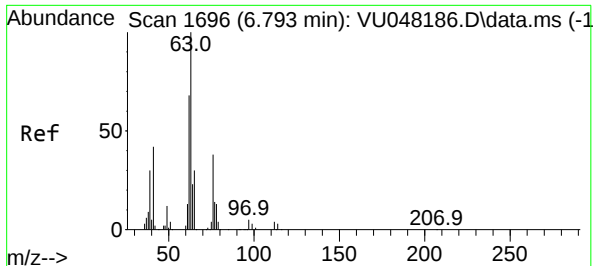
Tgt Ion: 95 Resp: 137934
Ion Ratio Lower Upper
95 100
97 63.5 44.7 82.9
132 100.2 70.4 130.8
130 104.9 73.6 136.8



#35
Methylcyclohexane
Concen: 46.332 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 83 Resp: 183534
Ion Ratio Lower Upper
83 100
55 73.5 56.8 85.2
98 46.3 38.1 57.1





#37

1,2-Dichloropropane

Concen: 61.058 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

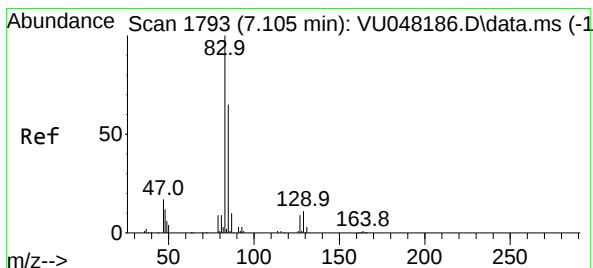
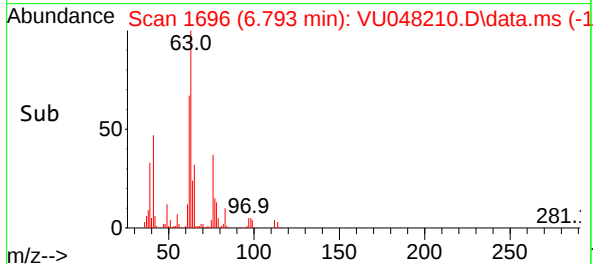
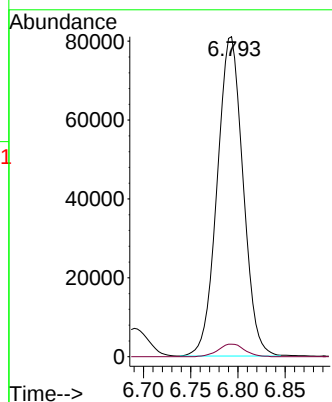
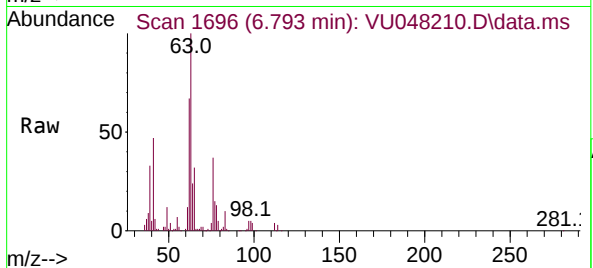
VSTD050094

Tgt Ion: 63 Resp: 154161

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2



#38

Bromodichloromethane

Concen: 55.740 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

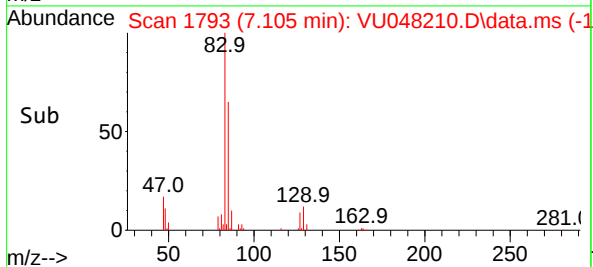
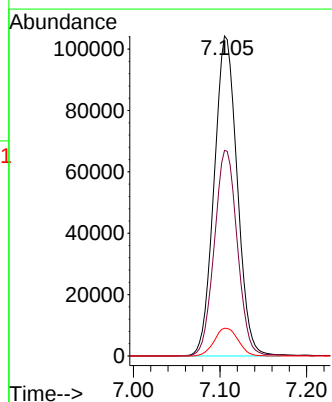
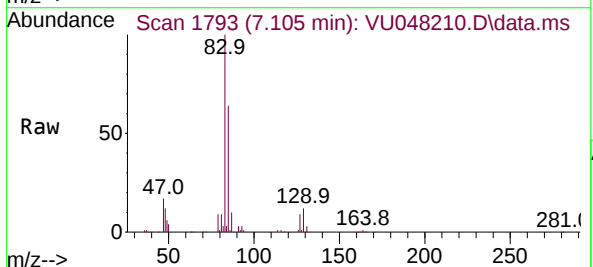
Tgt Ion: 83 Resp: 193259

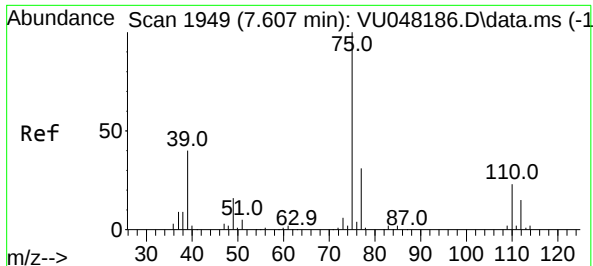
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.031 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

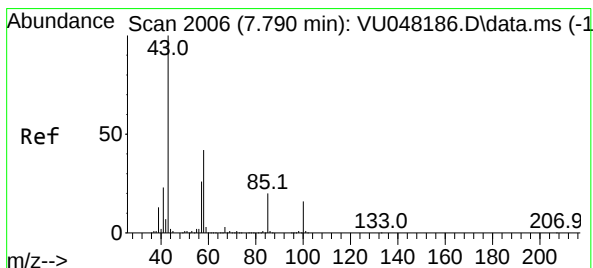
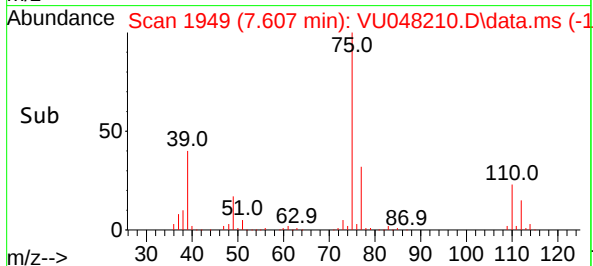
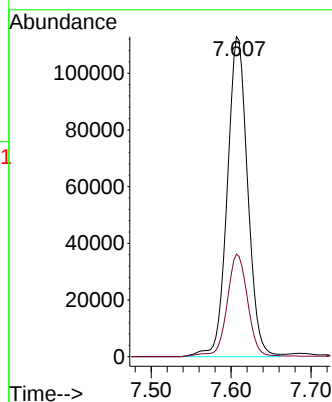
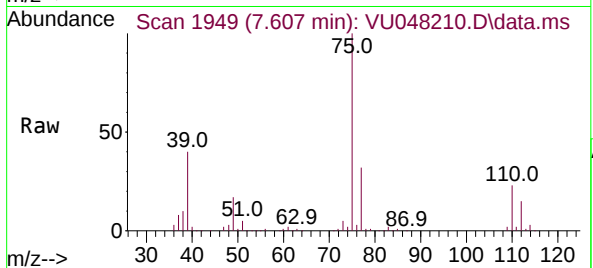
VSTD050094

Tgt Ion: 75 Resp: 199917

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 111.251 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

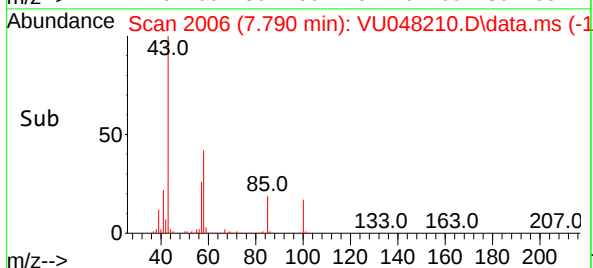
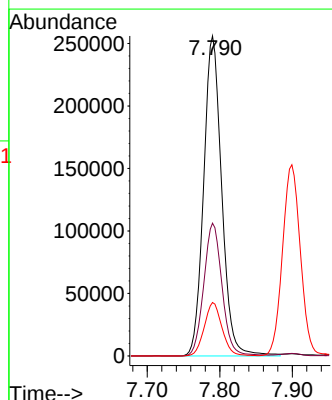
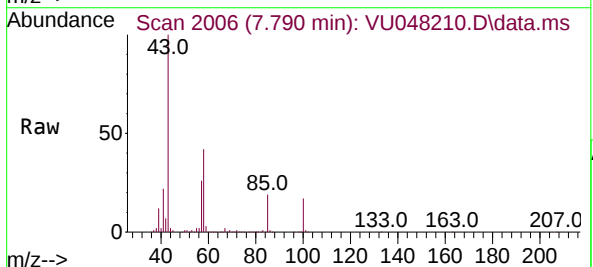
Tgt Ion: 43 Resp: 443939

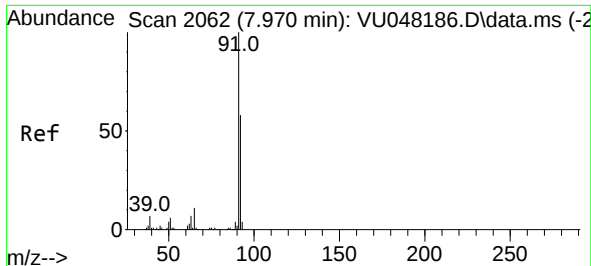
Ion Ratio Lower Upper

43 100

58 41.9 34.7 52.1

100 16.4 14.2 21.2





#42

Toluene

Concen: 54.615 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

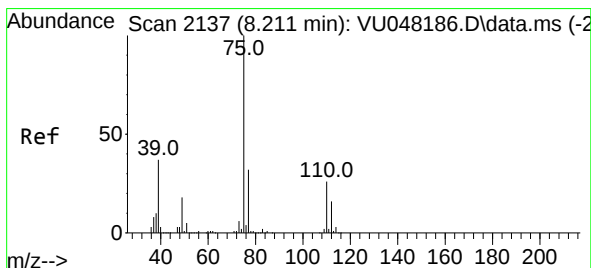
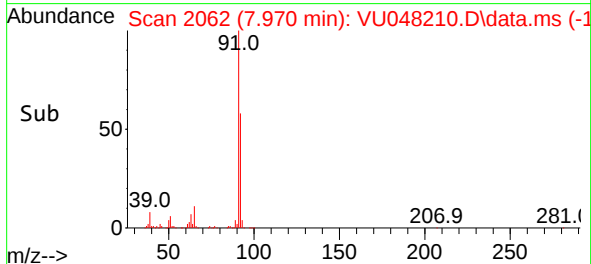
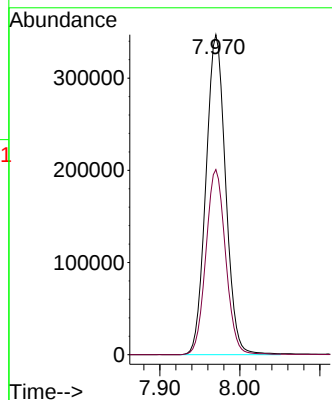
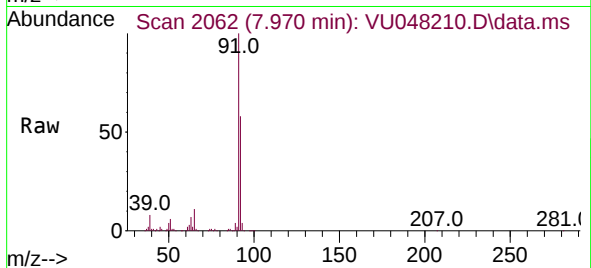
VSTD050094

Tgt Ion: 91 Resp: 595164

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.278 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048210.D

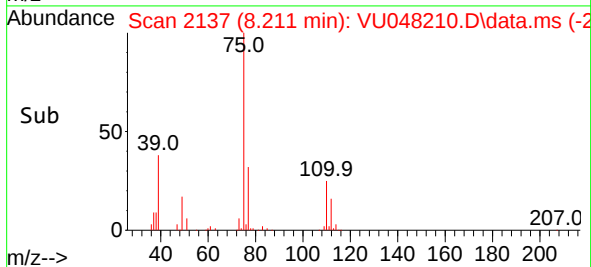
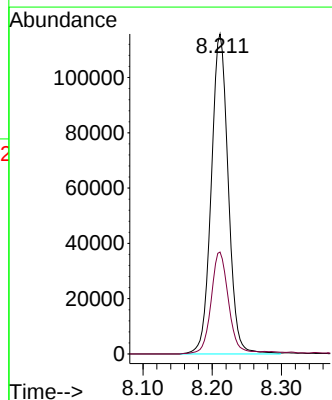
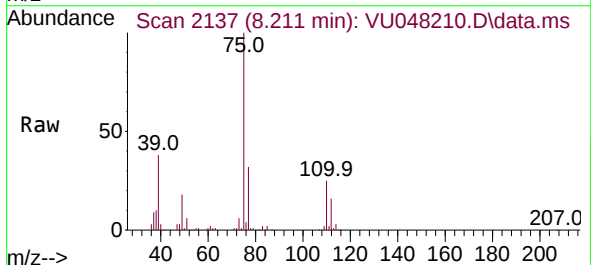
Acq: 22 Apr 2022 07:33

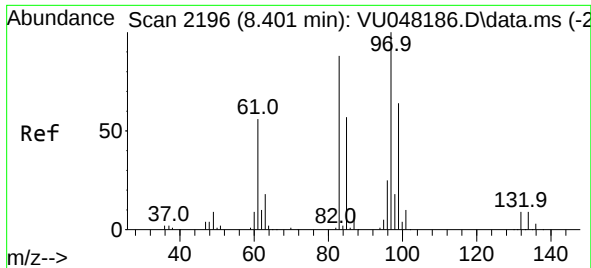
Tgt Ion: 75 Resp: 196664

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8

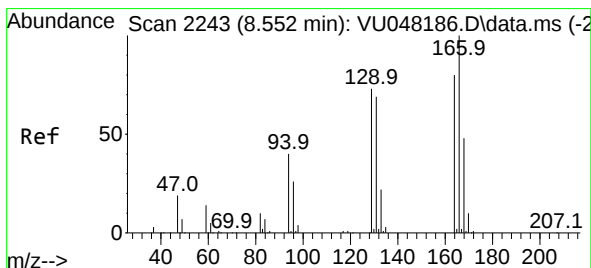
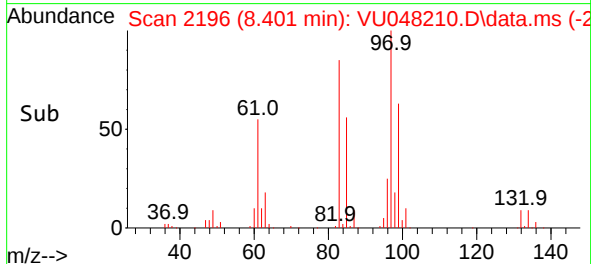
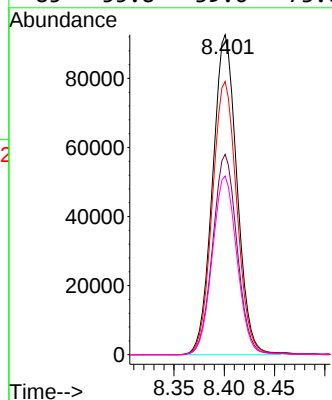
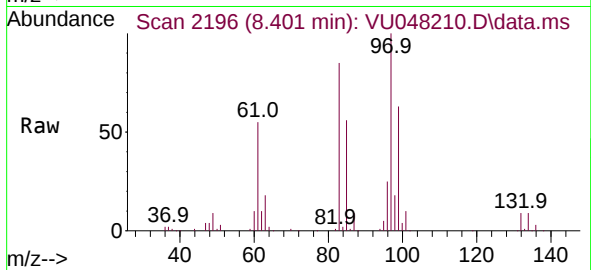




#45
1,1,2-Trichloroethane
Concen: 58.361 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

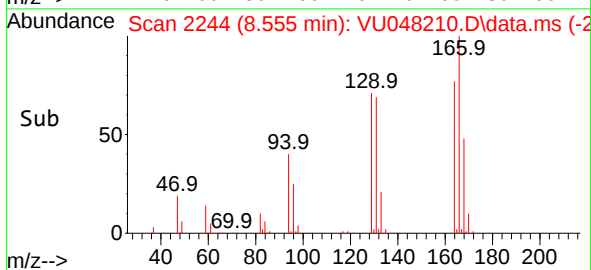
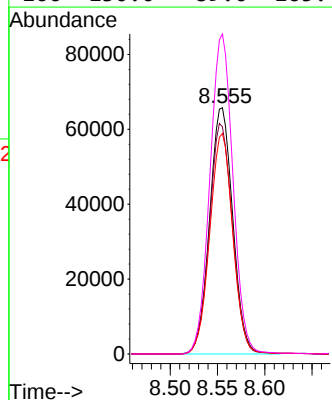
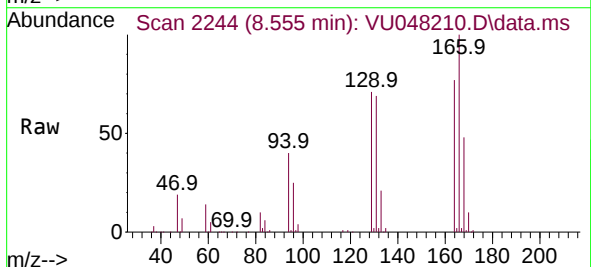
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

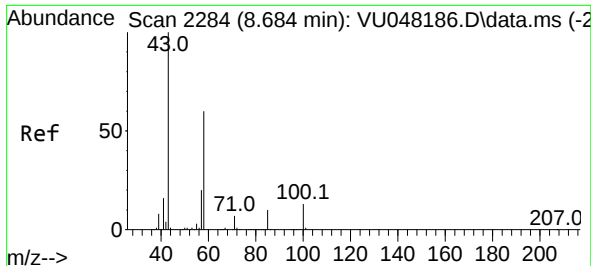
Tgt Ion:	97	Resp:	156276
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.3
83	85.4	61.0	113.4
85	55.8	39.6	73.6



#46
Tetrachloroethene
Concen: 47.881 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:	164	Resp:	112036
Ion	Ratio	Lower	Upper
164	100		
129	92.3	62.4	116.0
131	89.6	60.7	112.7
166	130.0	89.0	165.4

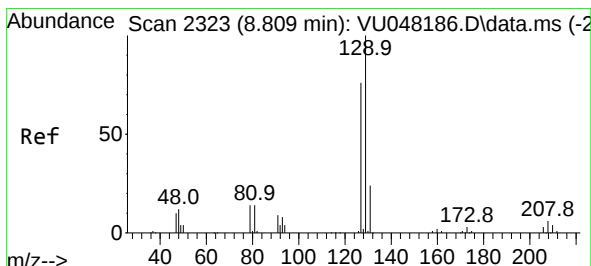
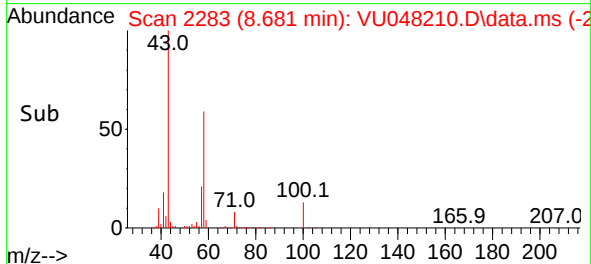
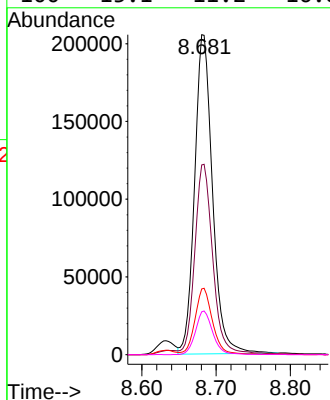
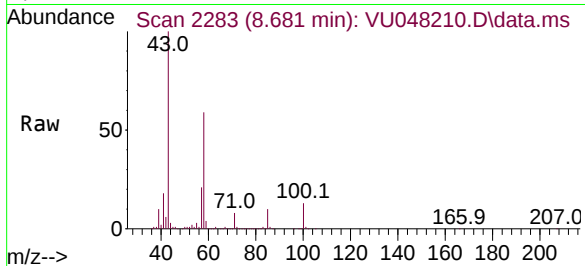




#48
2-Hexanone
Concen: 100.689 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

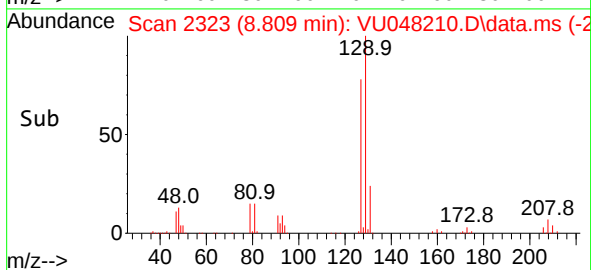
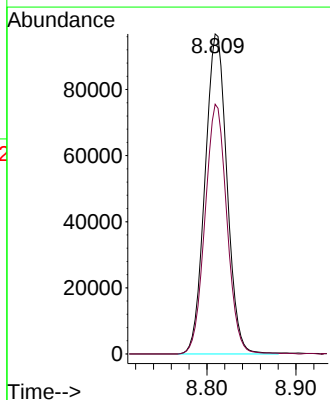
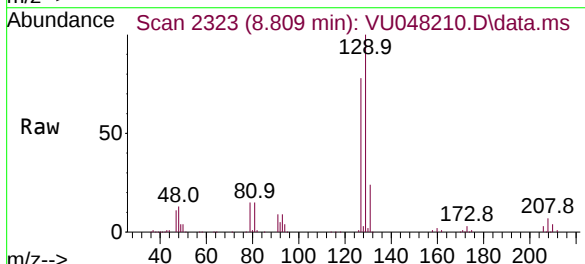
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

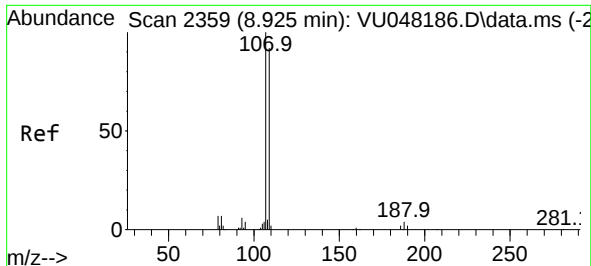
Tgt Ion: 43 Resp: 345617
Ion Ratio Lower Upper
43 100
58 58.4 48.1 72.1
57 19.7 16.2 24.4
100 13.1 11.2 16.8



#49
Dibromochloromethane
Concen: 53.356 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 129 Resp: 165479
Ion Ratio Lower Upper
129 100
127 78.1 54.2 100.6





#50

1,2-Dibromoethane

Concen: 54.506 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050094

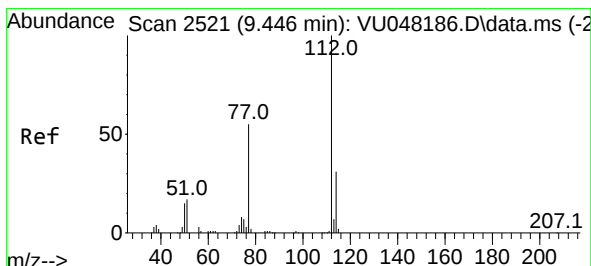
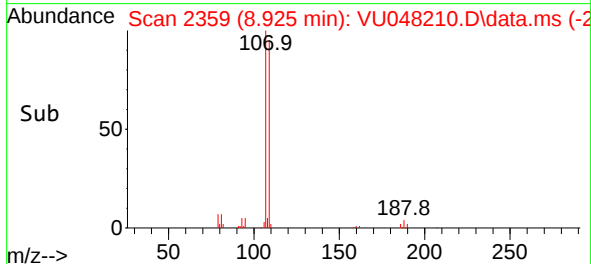
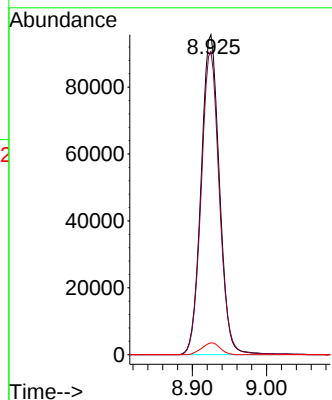
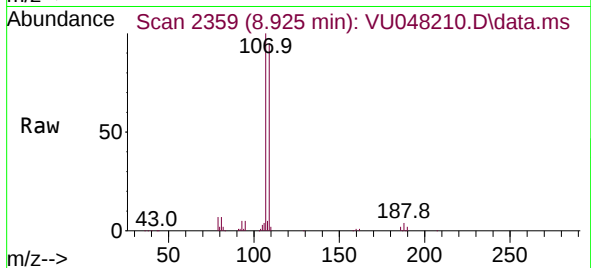
Tgt Ion:107 Resp: 163623

Ion Ratio Lower Upper

107 100

109 94.7 66.6 123.6

188 3.8 3.4 5.2



#51

Chlorobenzene

Concen: 55.251 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

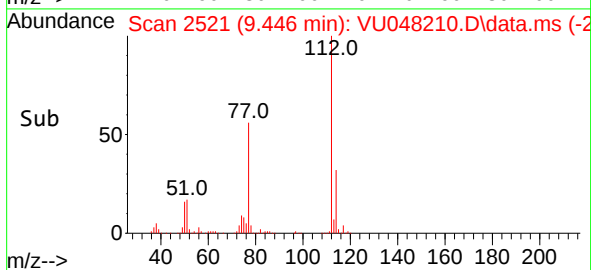
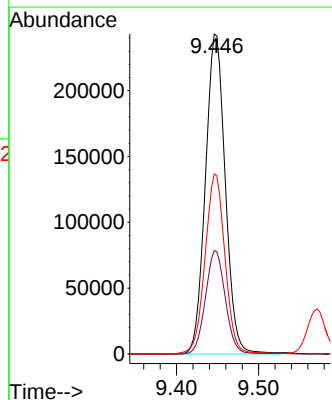
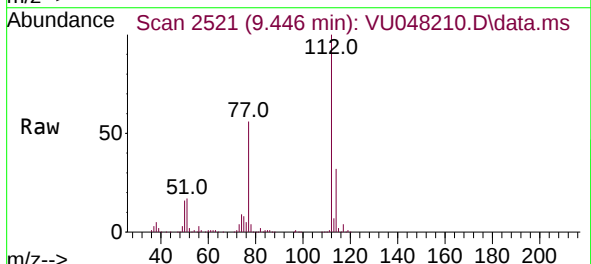
Tgt Ion:112 Resp: 408821

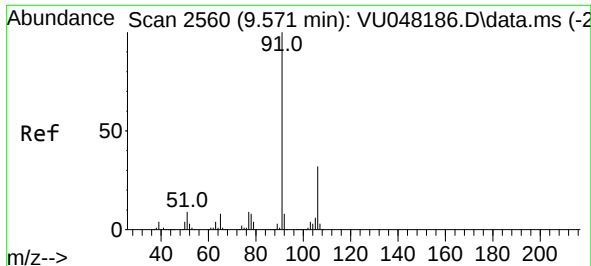
Ion Ratio Lower Upper

112 100

114 32.3 22.1 41.1

77 56.2 43.4 65.0

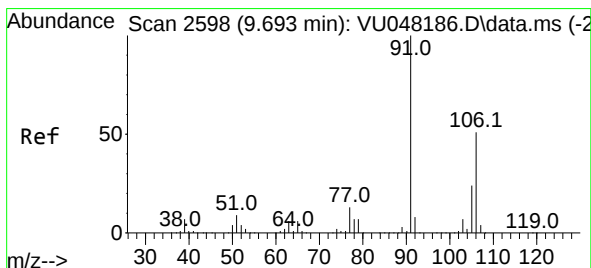
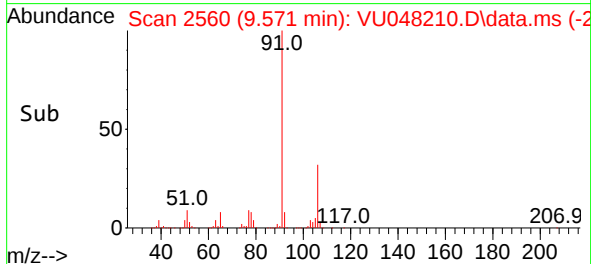
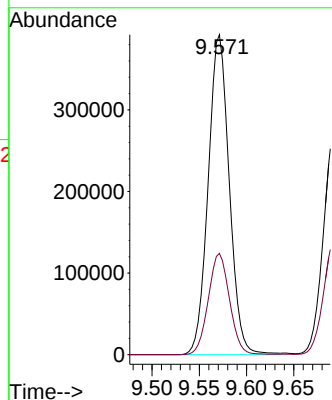
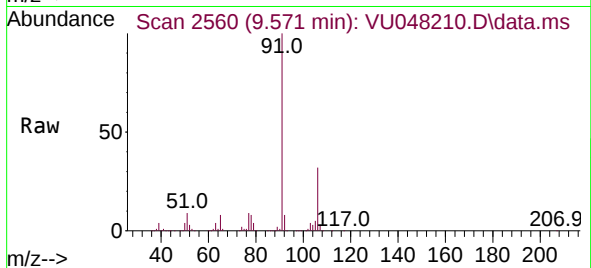




#52
Ethylbenzene
Concen: 53.134 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

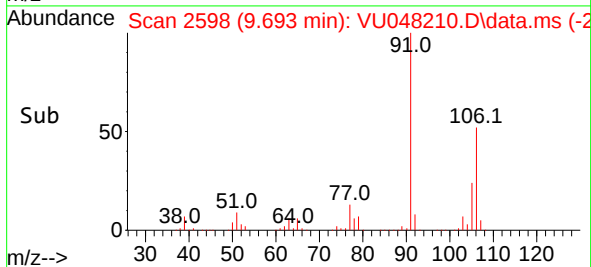
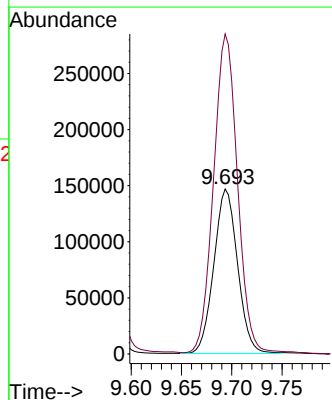
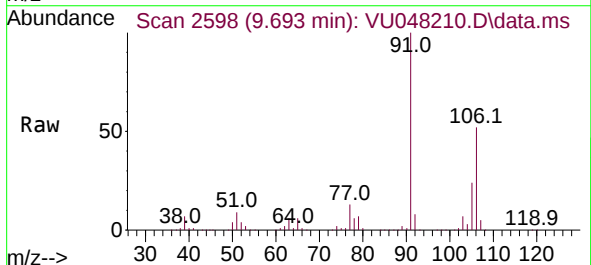
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

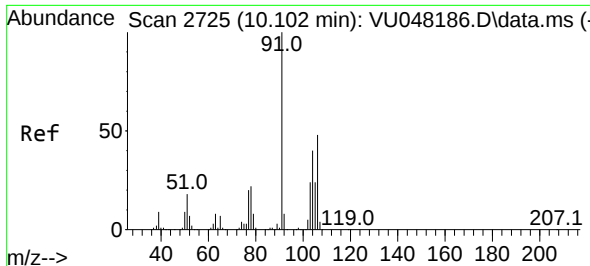
Tgt Ion: 91 Resp: 608829
Ion Ratio Lower Upper
91 100
106 31.7 22.4 41.6



#53
m,p-Xylene
Concen: 53.387 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 106 Resp: 240031
Ion Ratio Lower Upper
106 100
91 194.0 137.7 255.7

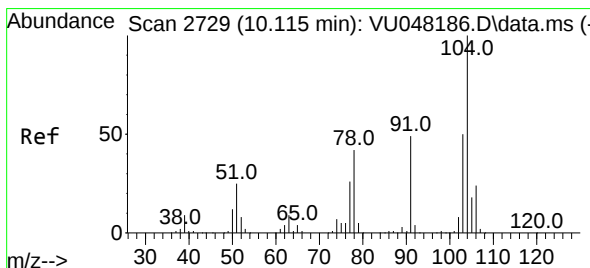
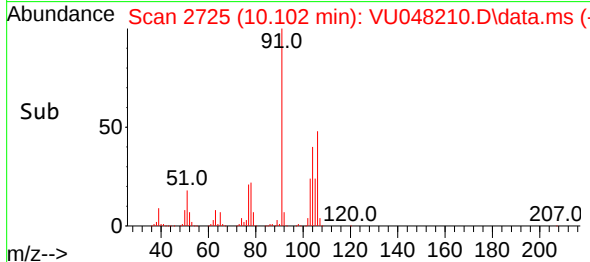
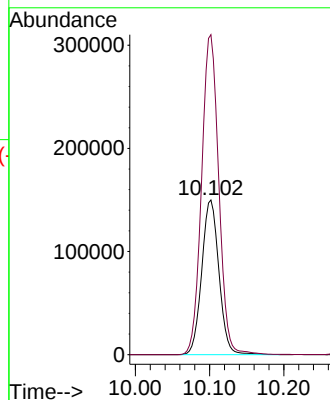
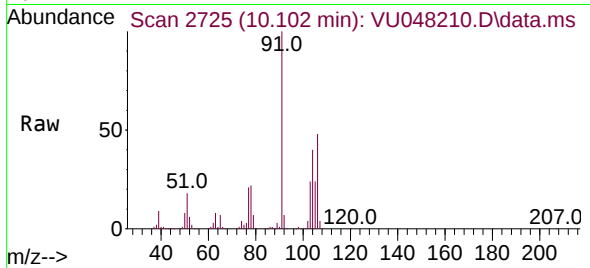




#54
o-Xylene
Concen: 54.642 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

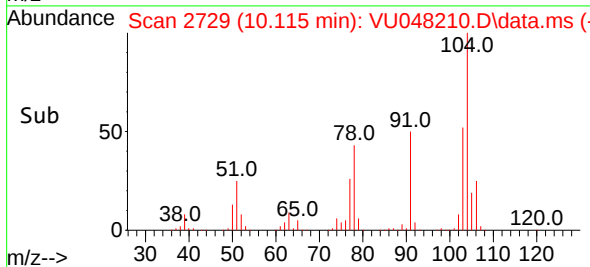
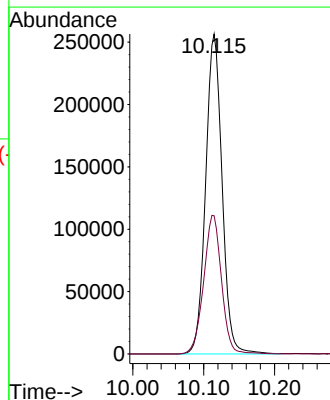
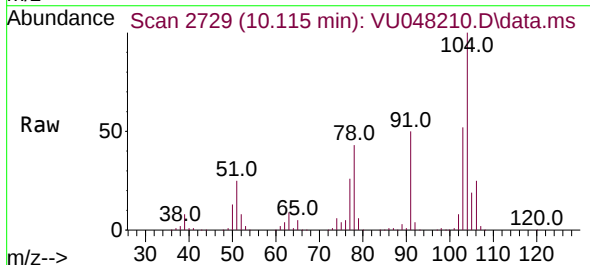
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

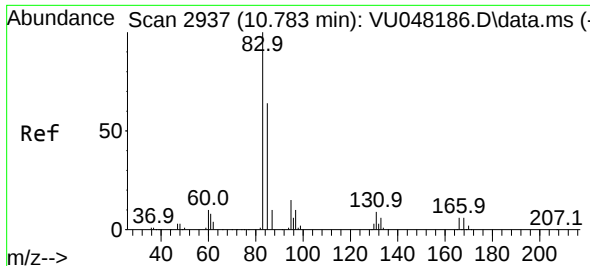
Tgt Ion:106 Resp: 241121
Ion Ratio Lower Upper
106 100
91 206.8 146.7 272.5



#55
Styrene
Concen: 54.877 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:104 Resp: 413439
Ion Ratio Lower Upper
104 100
78 43.2 30.4 56.4

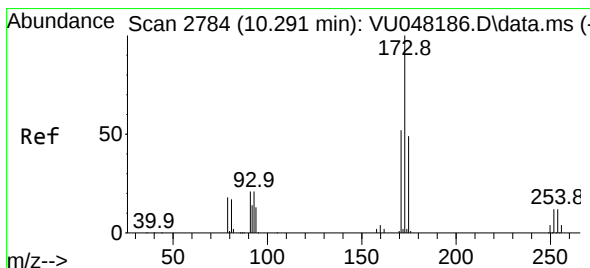
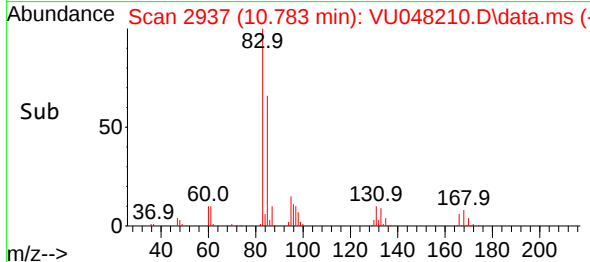
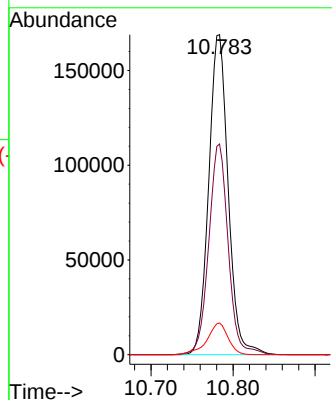
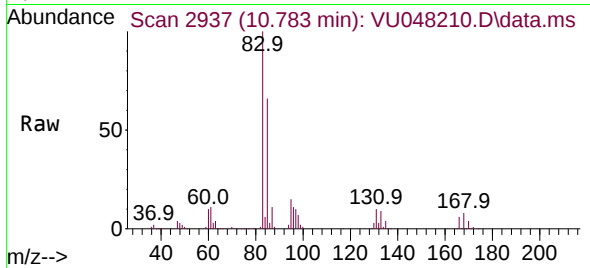




#57
1,1,2,2-Tetrachloroethane
Concen: 55.530 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

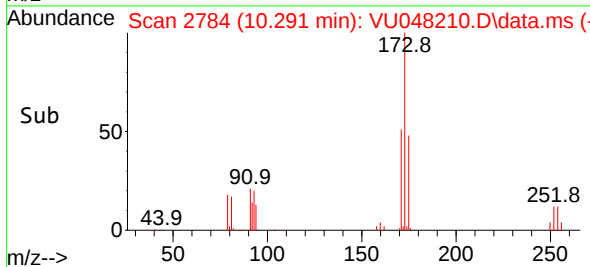
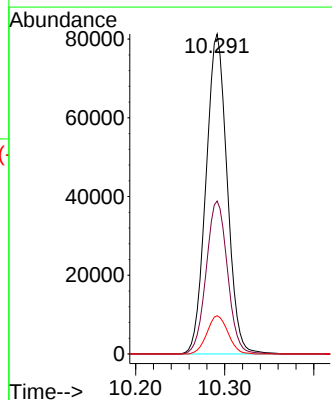
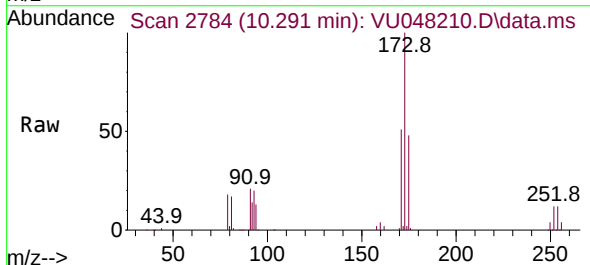
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

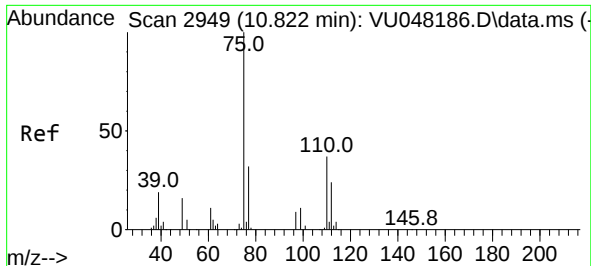
Tgt Ion: 83 Resp: 278760
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.3
131 9.9 8.6 13.0



#59
Bromoform
Concen: 53.258 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:173 Resp: 133953
Ion Ratio Lower Upper
173 100
175 48.2 38.7 58.1
254 11.9 9.6 14.4

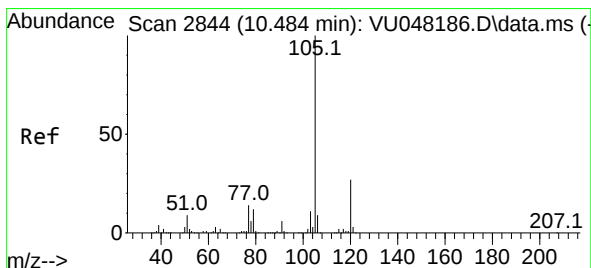
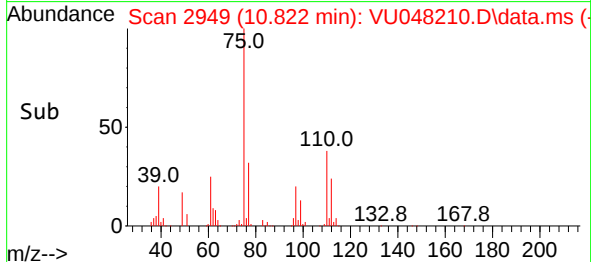
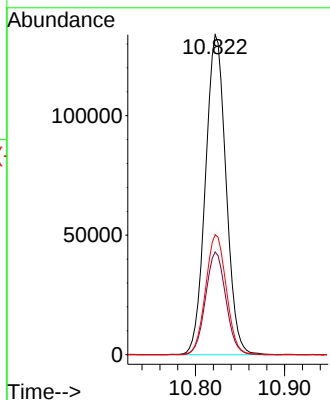
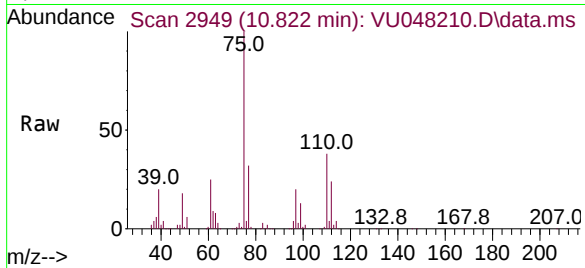




#60
1,2,3-Trichloropropane
Concen: 57.909 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

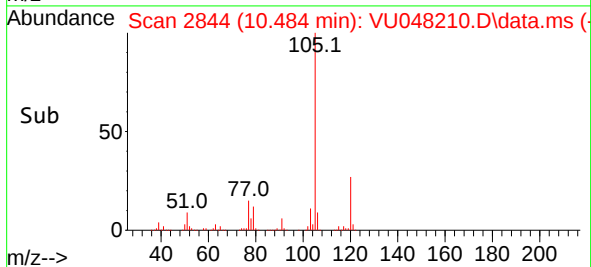
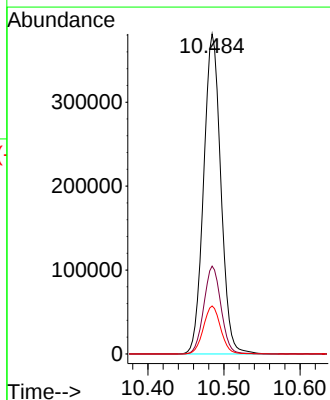
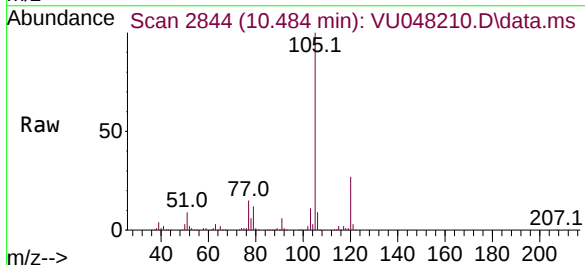
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

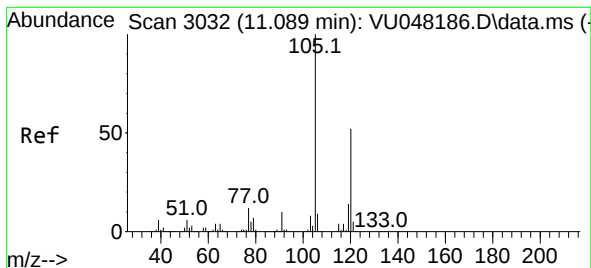
Tgt Ion: 75 Resp: 214727
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 37.6 31.4 47.2



#61
Isopropylbenzene
Concen: 56.330 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 105 Resp: 598807
Ion Ratio Lower Upper
105 100
120 27.4 21.9 32.9
77 15.0 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 52.991 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048210.D

Acq: 22 Apr 2022 07:33

Instrument :

MSVOA_V

ClientSampleId :

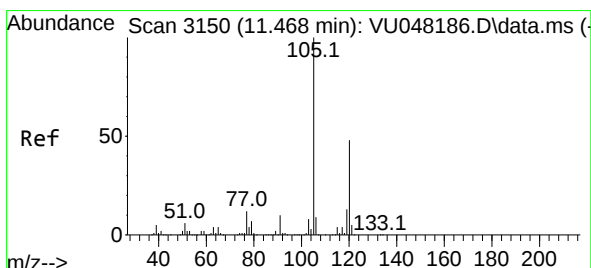
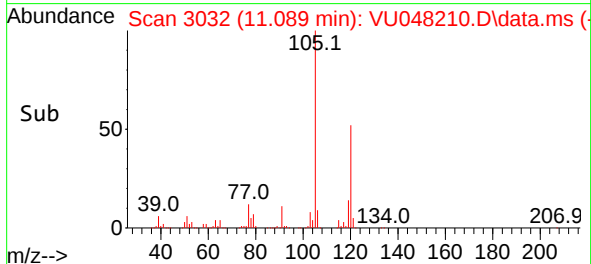
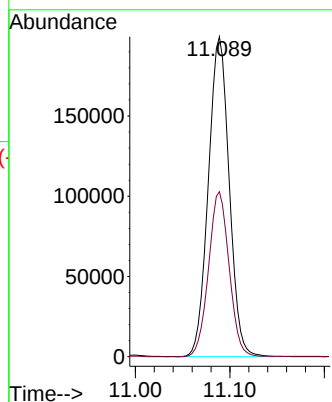
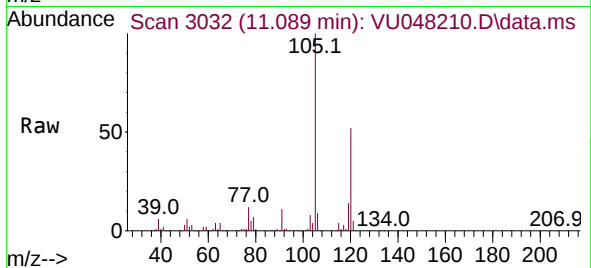
VSTD050094

Tgt Ion:105 Resp: 305639

Ion Ratio Lower Upper

105 100

120 50.9 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 54.993 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048210.D

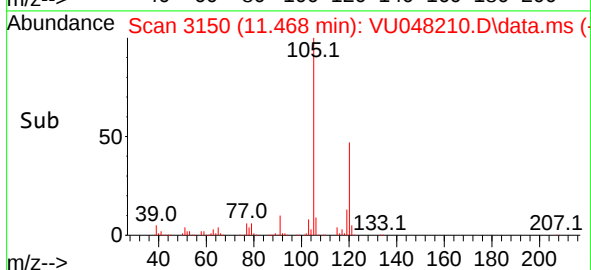
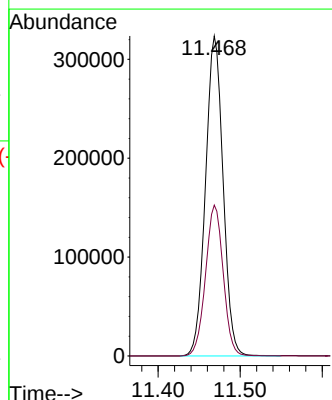
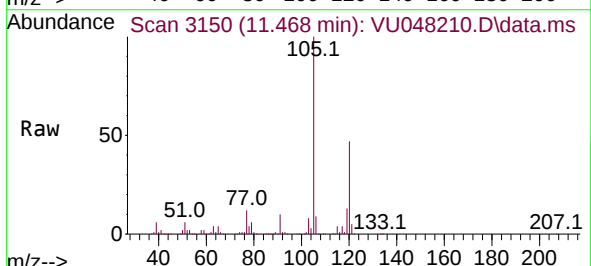
Acq: 22 Apr 2022 07:33

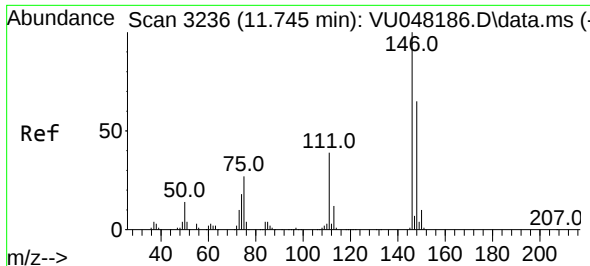
Tgt Ion:105 Resp: 481801

Ion Ratio Lower Upper

105 100

120 47.4 37.6 56.4

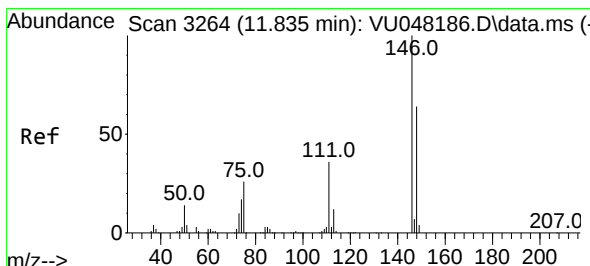
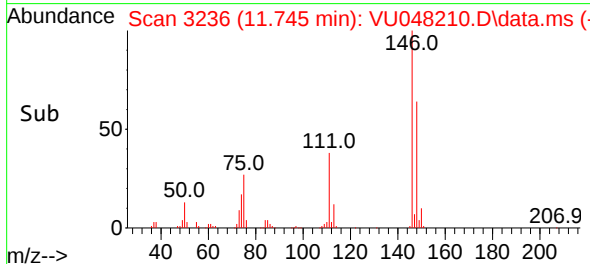
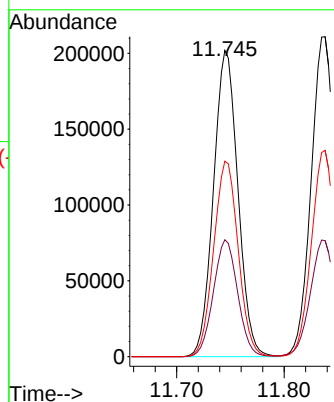
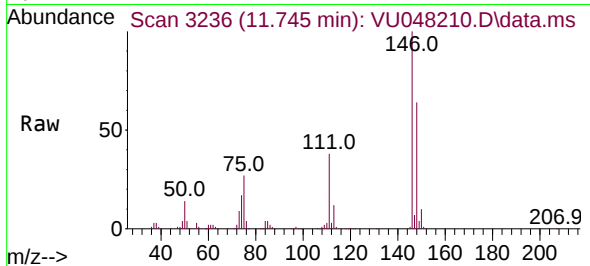




#64
1,3-Dichlorobenzene
Concen: 53.996 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

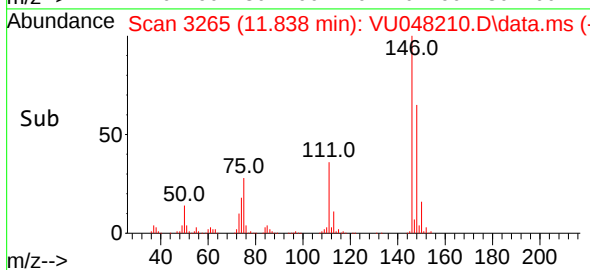
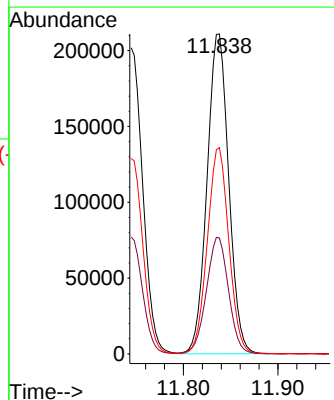
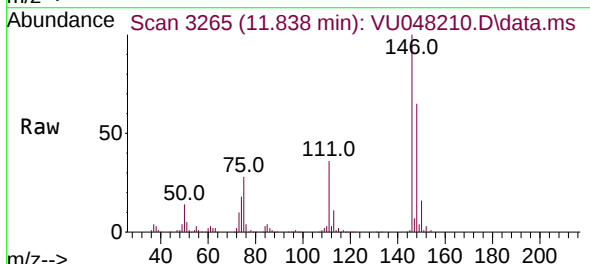
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

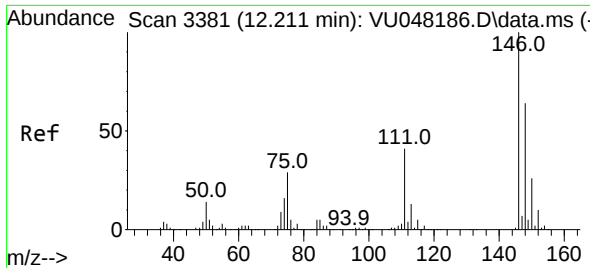
Tgt Ion:146 Resp: 319037
Ion Ratio Lower Upper
146 100
111 38.2 26.7 49.7
148 63.8 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 54.812 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:146 Resp: 335455
Ion Ratio Lower Upper
146 100
111 36.2 25.3 47.1
148 64.5 44.5 82.7

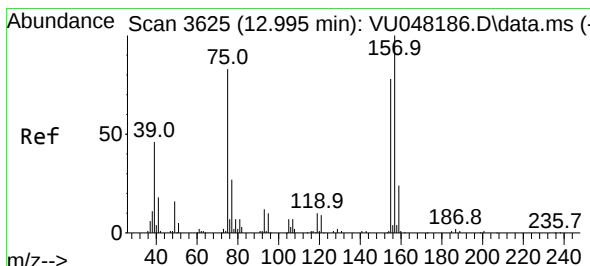
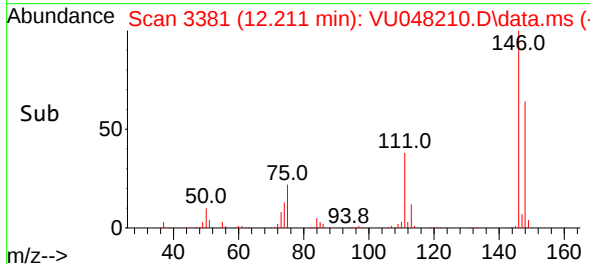
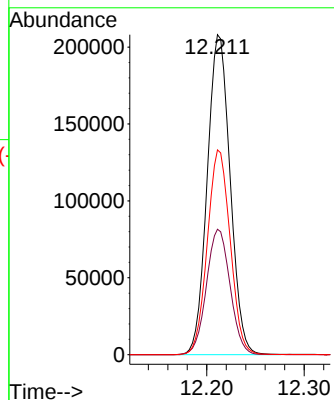
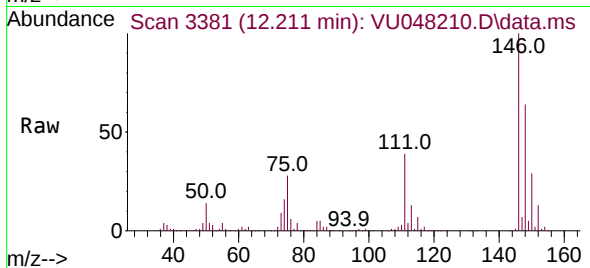




#67
1,2-Dichlorobenzene
Concen: 57.440 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

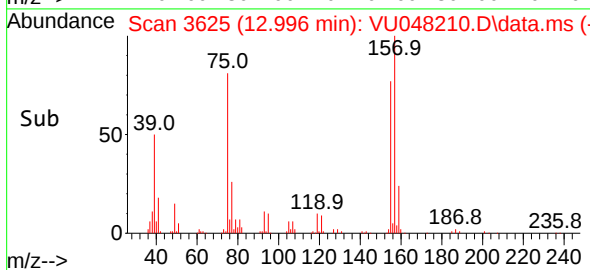
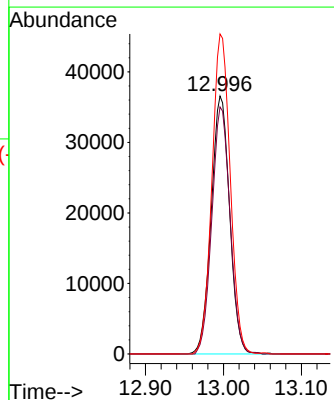
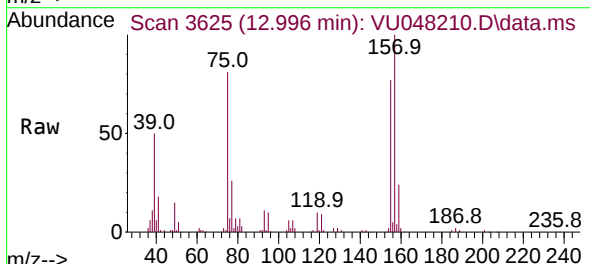
Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

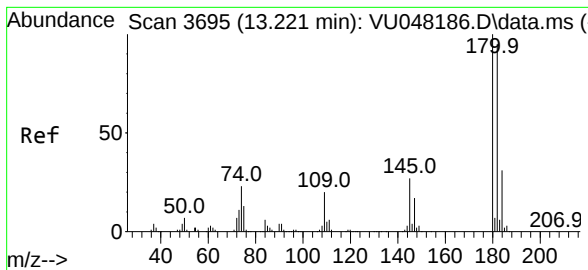
Tgt Ion:146 Resp: 339590
Ion Ratio Lower Upper
146 100
111 39.2 31.7 47.5
148 64.0 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 50.644 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion: 75 Resp: 60153
Ion Ratio Lower Upper
75 100
155 95.7 78.9 118.3
157 124.0 97.5 146.3



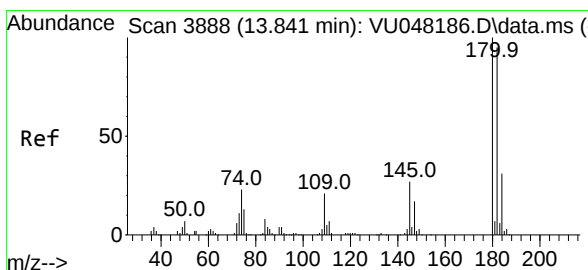
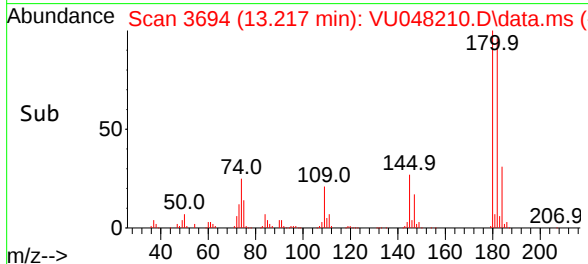
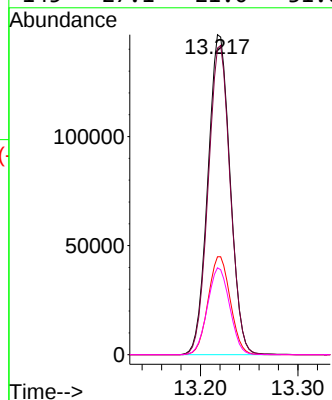
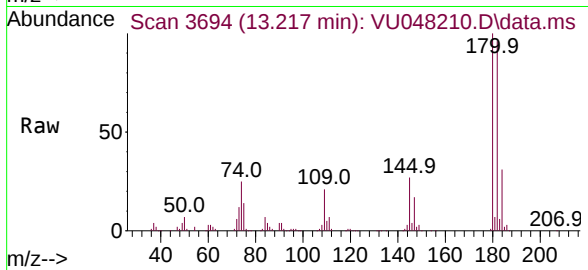


#69
 1,3,5-Trichlorobenzene
 Concen: 48.427 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU048210.D
 Acq: 22 Apr 2022 07:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050094

Tgt Ion:180 Resp: 232385

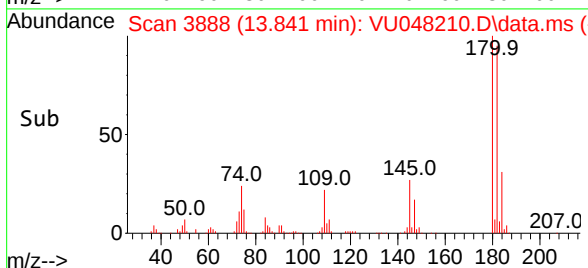
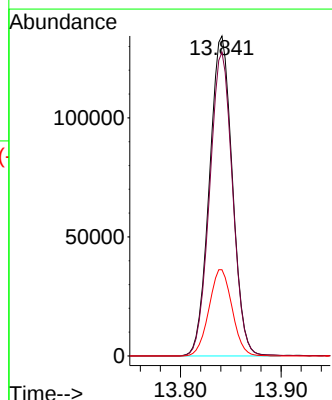
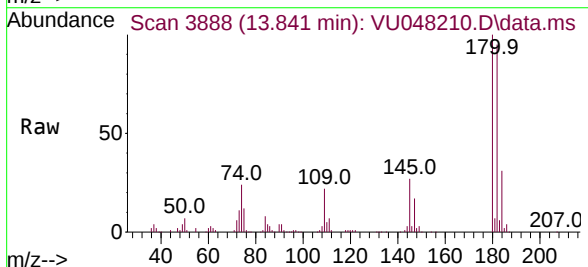
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
184	30.6	24.5	36.7
145	27.1	21.0	31.6

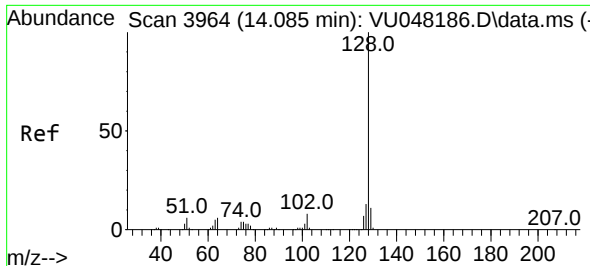


#70
 1,2,4-trichlorobenzene
 Concen: 50.733 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048210.D
 Acq: 22 Apr 2022 07:33

Tgt Ion:180 Resp: 213236

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.2
145	27.2	21.8	32.8

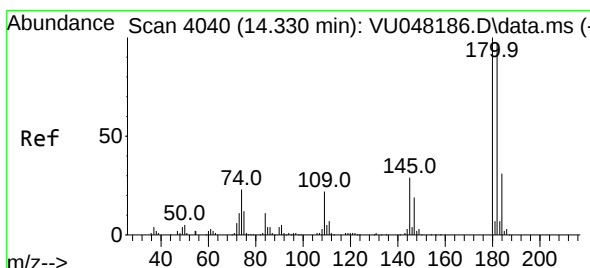
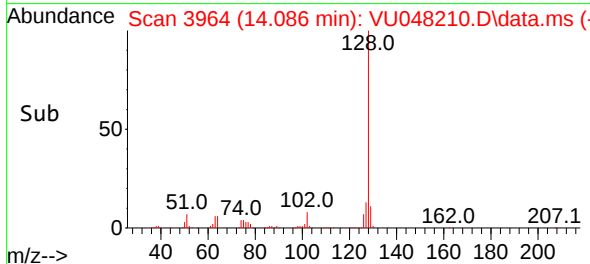
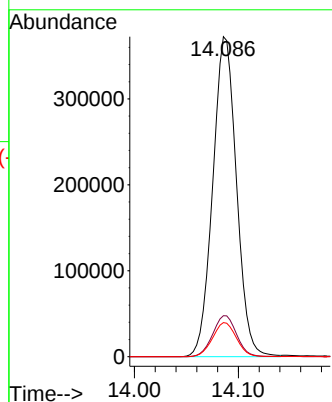
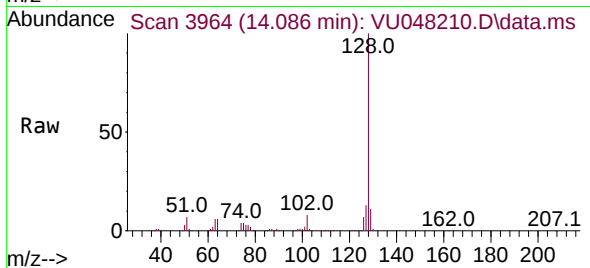




#71
Naphthalene
Concen: 47.155 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD050094

Tgt Ion:128 Resp: 590909
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 50.110 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048210.D
Acq: 22 Apr 2022 07:33

Tgt Ion:180 Resp: 211143
Ion Ratio Lower Upper
180 100
182 98.7 77.4 116.0
145 29.7 22.8 34.2

