

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041422\
 Data File : U048092.D
 Acq On : 15 Apr 2022 04:26
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Quant Time: Apr 15 05:31:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	365314	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	369808	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	216482	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	109392	41.294	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.580%
7) Chloroethane-d5	1.916	69	98789	47.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.580%
11) 1,1-Dichloroethene-d2	2.571	63	206822	42.672	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
21) 2-Butanone-d5	4.620	46	226978	99.823	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.820%
24) Chloroform-d	5.067	84	230531	47.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
26) 1,2-Dichloroethane-d4	5.703	65	145737	49.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.040%
32) Benzene-d6	5.729	84	465461	50.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.040%
36) 1,2-Dichloropropane-d6	6.690	67	152667	53.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.840%
41) Toluene-d8	7.899	98	434279	47.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	8.179	79	63499	43.859	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
47) 2-Hexanone-d5	8.632	63	168241	100.566	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.570%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	234881	47.892	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	185169	48.078	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	151259	44.661	ug/L	100
3) Chloromethane	1.523	50	160690	49.612	ug/L	98
5) Vinyl chloride	1.607	62	164247	49.722	ug/L	99
6) Bromomethane	1.858	94	87672	49.310	ug/L	99
8) Chloroethane	1.935	64	103916	50.111	ug/L	99
9) Trichlorofluoromethane	2.141	101	216397	46.455	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	130437	48.443	ug/L	98
12) 1,1-Dichloroethene	2.584	96	123750	49.384	ug/L #	81
13) Acetone	2.623	43	146963	69.454	ug/L	99
14) Carbon disulfide	2.797	76	334603	42.243	ug/L	100
15) Methyl Acetate	2.948	43	170519	50.537	ug/L	97
16) Methylene chloride	3.047	84	152565	53.056	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	133586	49.424	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	412338	54.075	ug/L	99
19) 1,1-Dichloroethane	3.874	63	252795	54.231	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	155231	52.387	ug/L	98
22) 2-Butanone	4.700	43	241819	88.716	ug/L	96
23) Bromochloromethane	4.977	128	84355	51.850	ug/L	98
25) Chloroform	5.092	83	260299	51.866	ug/L	98

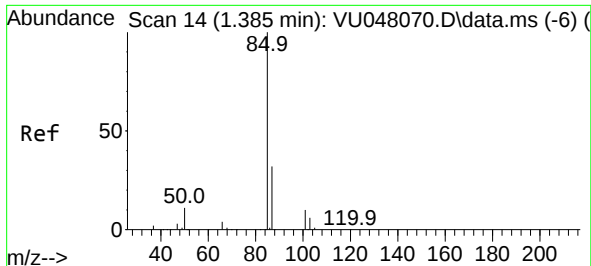
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
 Data File : VU048092.D
 Acq On : 15 Apr 2022 04:26
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Quant Time: Apr 15 05:31:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	198981	51.318	ug/L	99
29) Cyclohexane	5.391	56	200120	53.329	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	218689	52.153	ug/L	100
31) Carbon tetrachloride	5.526	117	186496	49.253	ug/L	100
33) Benzene	5.774	78	870096	81.286	ug/L	100
34) Trichloroethene	6.542	95	146915	52.351	ug/L	99
35) Methylcyclohexane	6.764	83	200158	46.883	ug/L	99
37) 1,2-Dichloropropane	6.793	63	149119	54.800	ug/L	99
38) Bromodichloromethane	7.105	83	197799	52.933	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	211193	50.019	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	448765	104.345	ug/L	98
42) Toluene	7.970	91	636339	54.179	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	205045	48.638	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	158811	55.029	ug/L	99
46) Tetrachloroethene	8.555	164	124406	49.331	ug/L	98
48) 2-Hexanone	8.684	43	361662	97.761	ug/L	98
49) Dibromochloromethane	8.809	129	167230	50.030	ug/L	99
50) 1,2-Dibromoethane	8.925	107	168360	52.037	ug/L	100
51) Chlorobenzene	9.446	112	1007806	126.374	ug/L	98
52) Ethylbenzene	9.571	91	651619	52.765	ug/L	99
53) m,p-Xylene	9.693	106	259830	53.621	ug/L	99
54) o-Xylene	10.102	106	241859	50.855	ug/L	99
55) Styrene	10.115	104	406580	50.073	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	272004	50.274	ug/L	98
59) Bromoform	10.291	173	133747	48.315	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	213398	52.290	ug/L	98
61) Isopropylbenzene	10.484	105	611090	52.231	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	337766	53.208	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	518634	53.786	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	353539	54.366	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	719094	106.758	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	626762	96.324	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	62390	47.726	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	250041	47.344	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	366955	79.325	ug/L	100
71) Naphthalene	14.086	128	688696	49.935	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	268130	57.819	ug/L	99

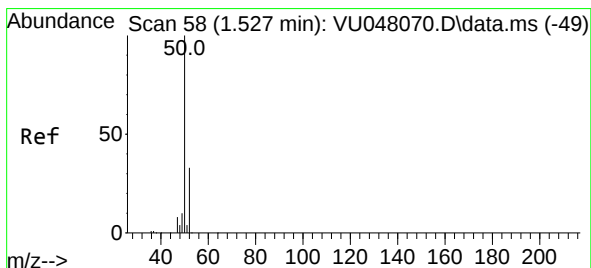
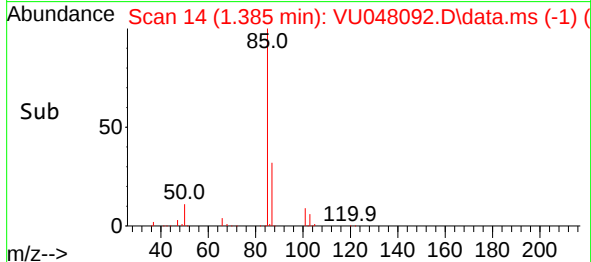
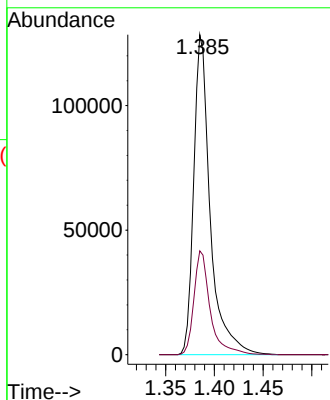
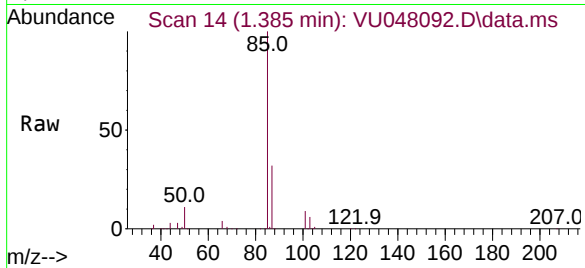
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 44.661 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

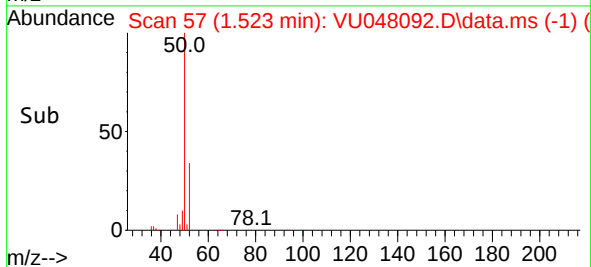
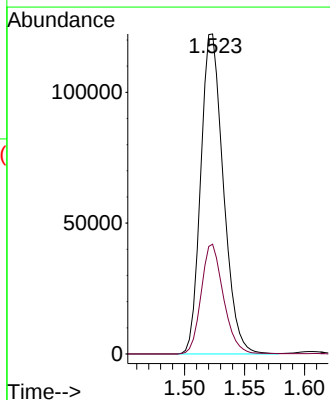
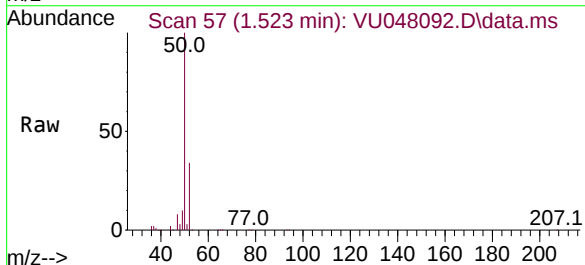
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

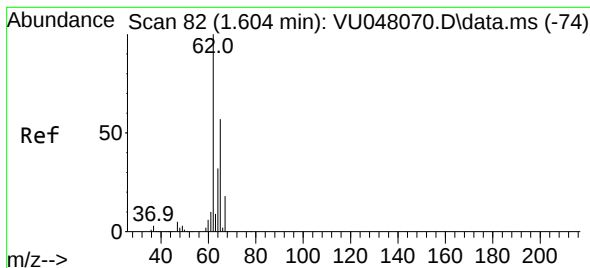
Tgt Ion: 85 Resp: 151259
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 49.612 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.003 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 50 Resp: 160690
Ion Ratio Lower Upper
50 100
52 34.3 23.2 43.2





#5

Vinyl chloride

Concen: 49.722 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

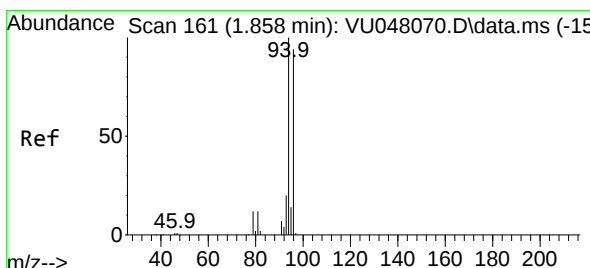
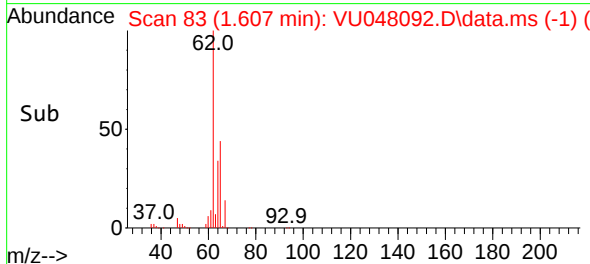
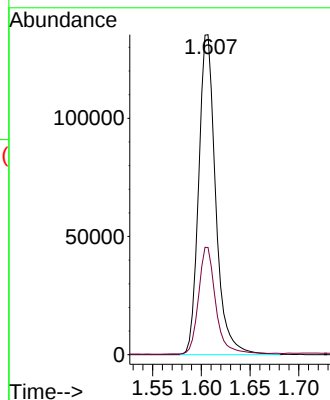
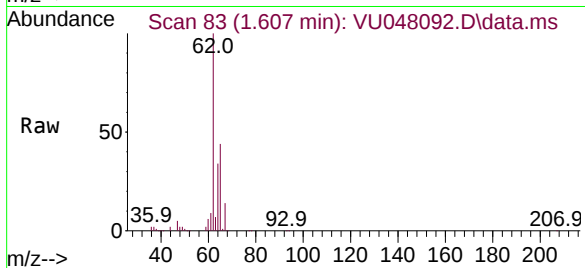
VSTD050083

Tgt Ion: 62 Resp: 164247

Ion Ratio Lower Upper

62 100

64 33.5 23.7 43.9



#6

Bromomethane

Concen: 49.310 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU048092.D

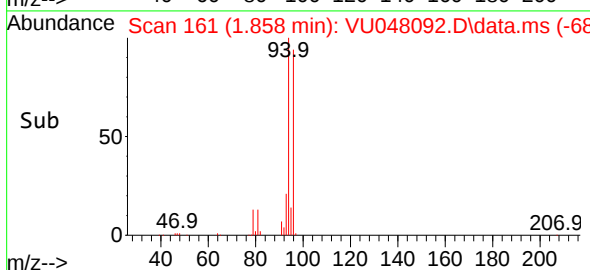
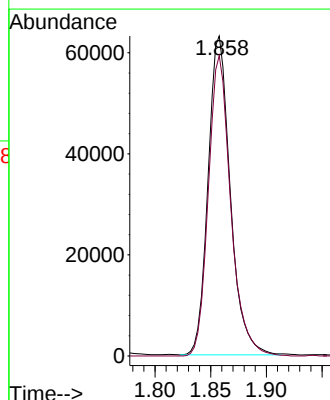
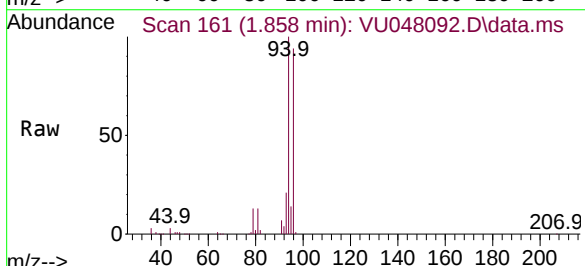
Acq: 15 Apr 2022 04:26

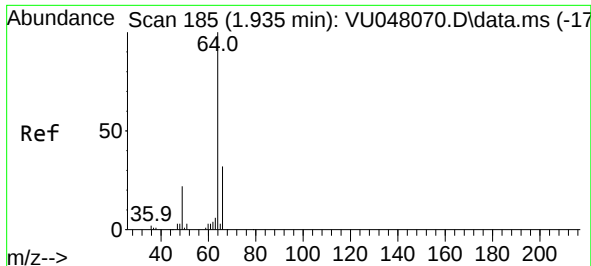
Tgt Ion: 94 Resp: 87672

Ion Ratio Lower Upper

94 100

96 93.9 64.8 120.3

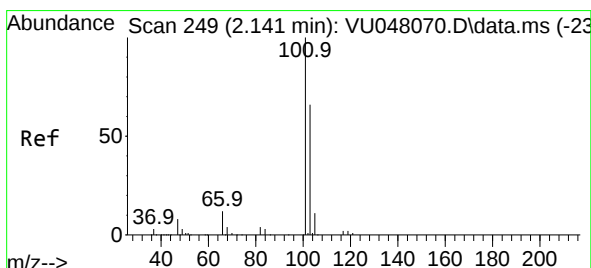
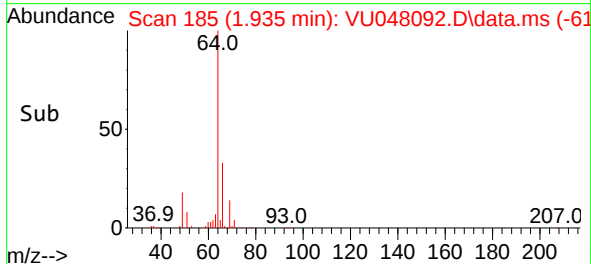
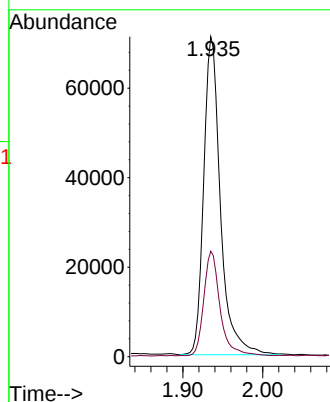
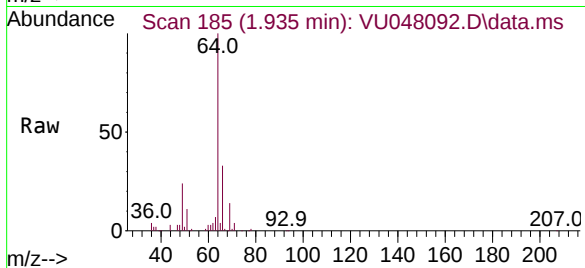




#8
Chloroethane
Concen: 50.111 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

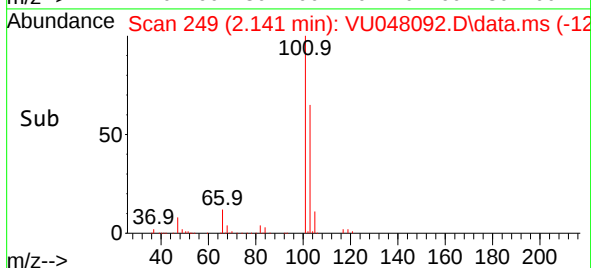
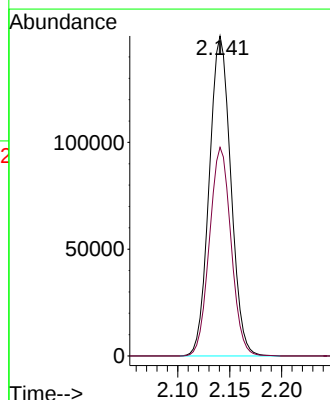
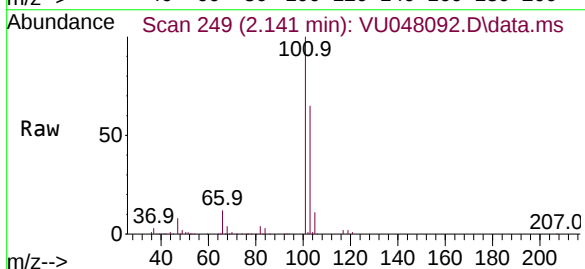
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

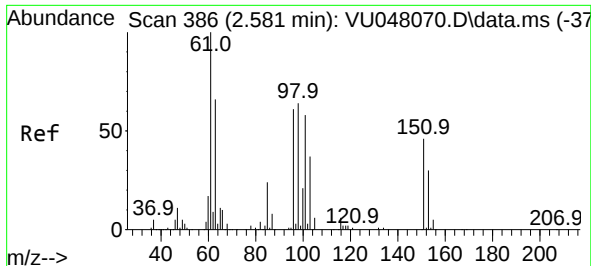
Tgt Ion: 64 Resp: 103916
Ion Ratio Lower Upper
64 100
66 33.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.455 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:101 Resp: 216397
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2

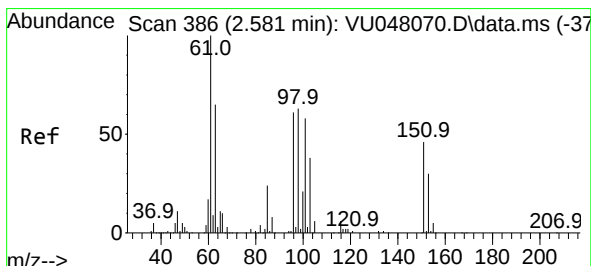
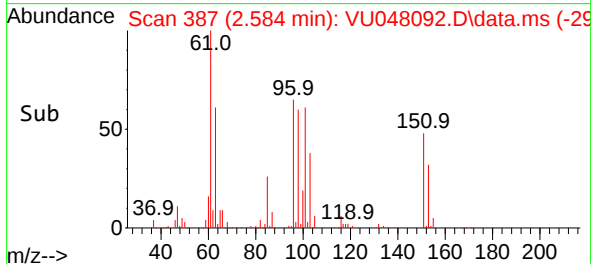
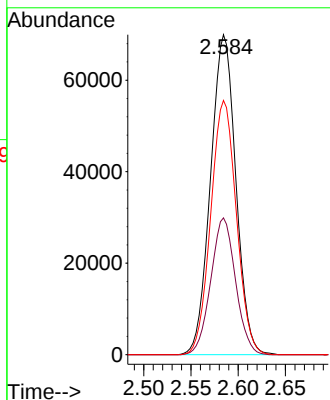
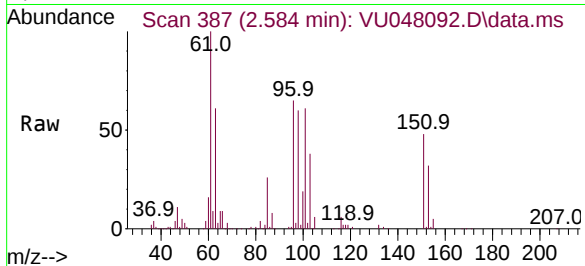




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.443 ug/L
 RT: 2.584 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

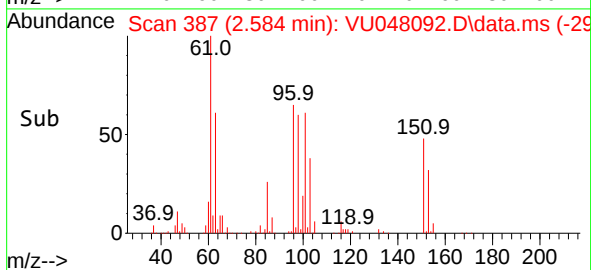
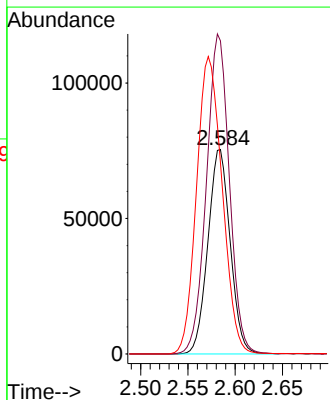
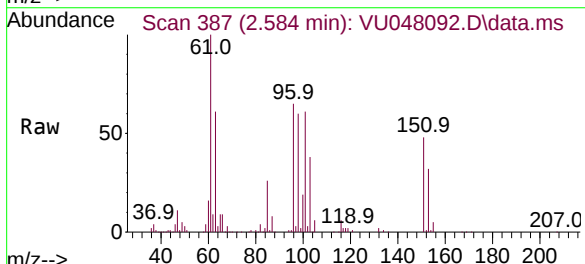
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

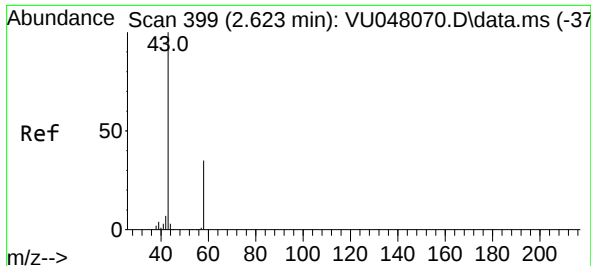
Tgt Ion:101 Resp: 130437
 Ion Ratio Lower Upper
 101 100
 85 41.8 32.8 49.2
 151 80.4 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 49.384 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

Tgt Ion: 96 Resp: 123750
 Ion Ratio Lower Upper
 96 100
 61 153.2 113.1 210.1
 63 93.6 94.8 176.0#





#13

Acetone

Concen: 69.454 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

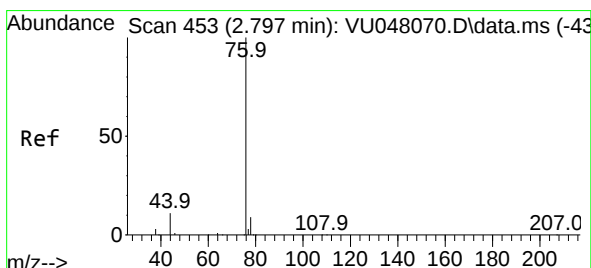
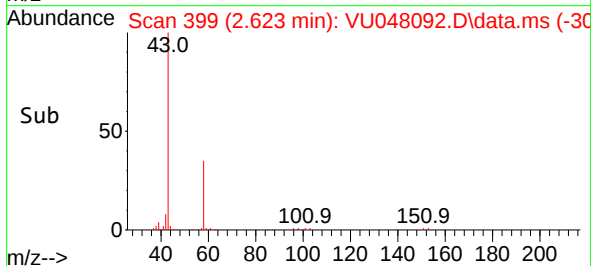
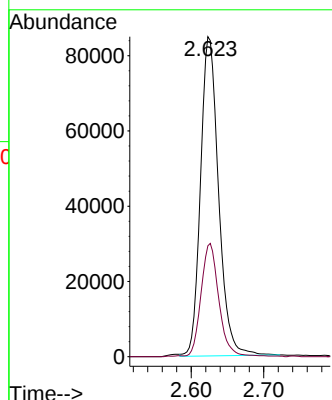
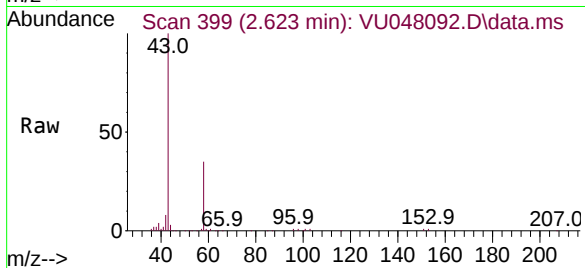
VSTD050083

Tgt Ion: 43 Resp: 146963

Ion Ratio Lower Upper

43 100

58 34.3 0.0 70.0



#14

Carbon disulfide

Concen: 42.243 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU048092.D

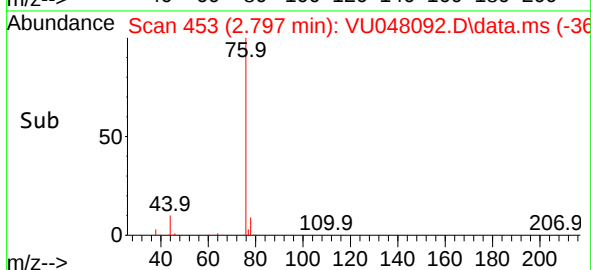
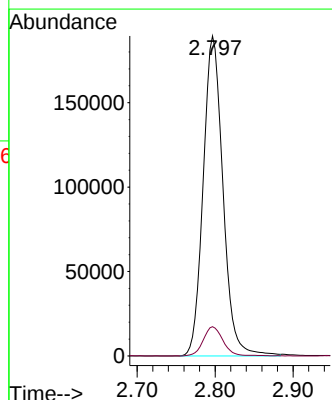
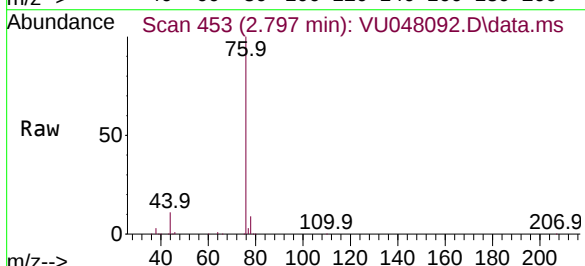
Acq: 15 Apr 2022 04:26

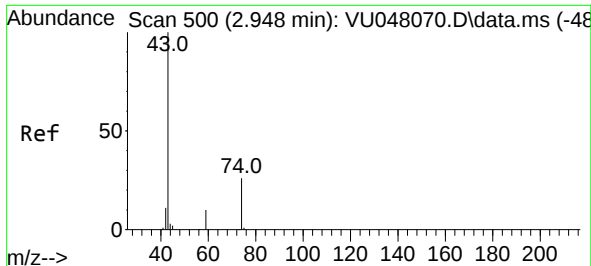
Tgt Ion: 76 Resp: 334603

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

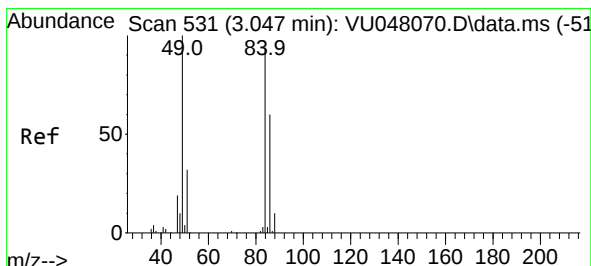
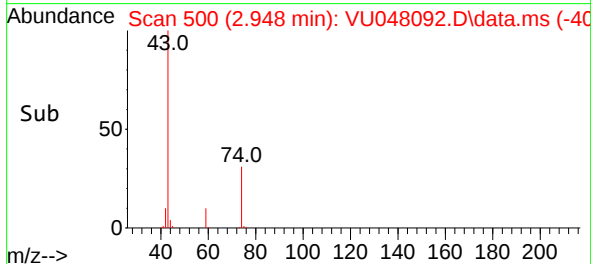
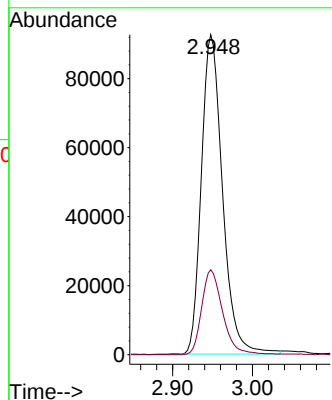
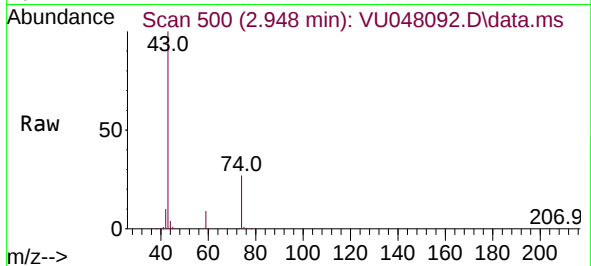




#15
Methyl Acetate
Concen: 50.537 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

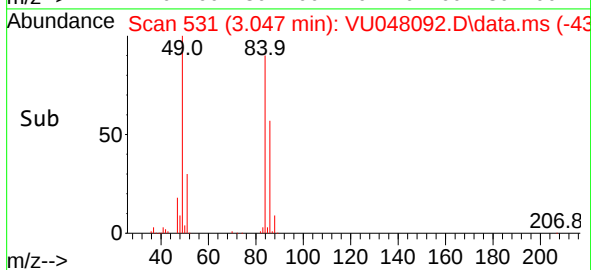
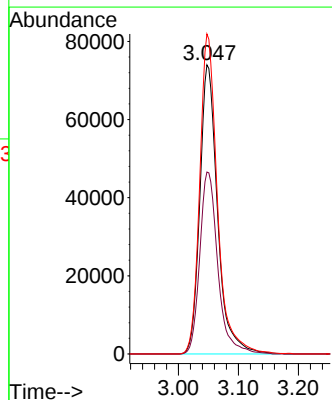
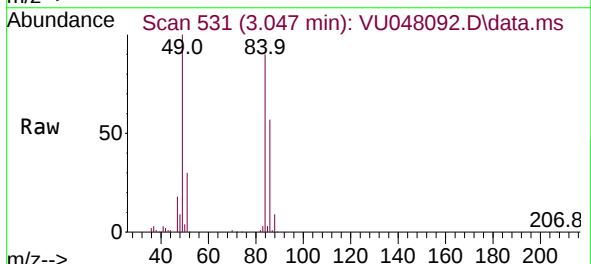
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

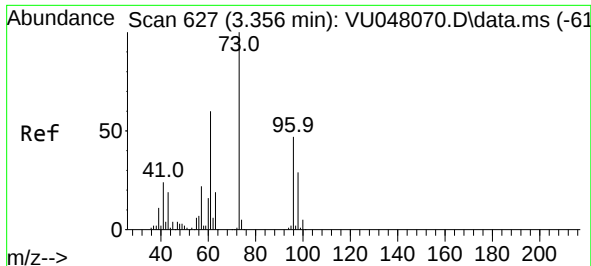
Tgt Ion: 43 Resp: 170519
Ion Ratio Lower Upper
43 100
74 26.3 22.2 33.2



#16
Methylene chloride
Concen: 53.056 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 84 Resp: 152565
Ion Ratio Lower Upper
84 100
86 62.9 46.0 85.4
49 110.7 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 49.424 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

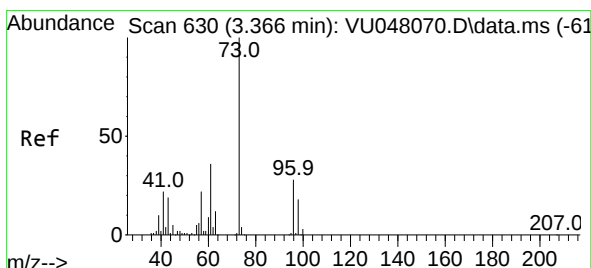
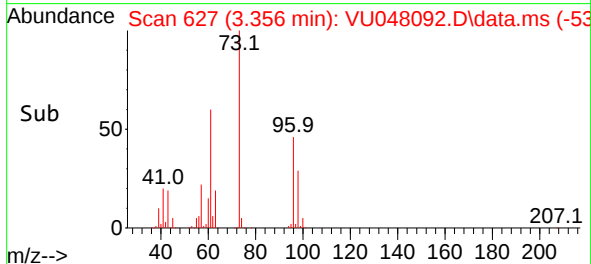
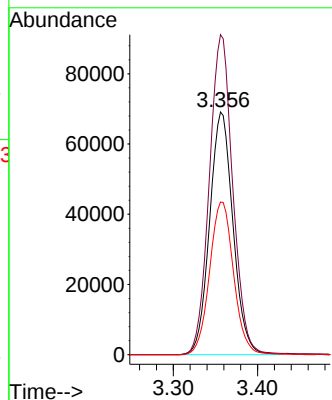
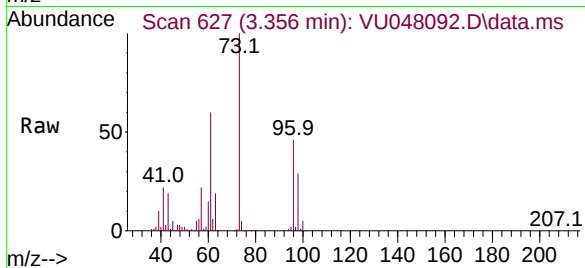
Tgt Ion: 96 Resp: 133586

Ion Ratio Lower Upper

96 100

61 131.9 88.4 164.2

98 62.9 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 54.075 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

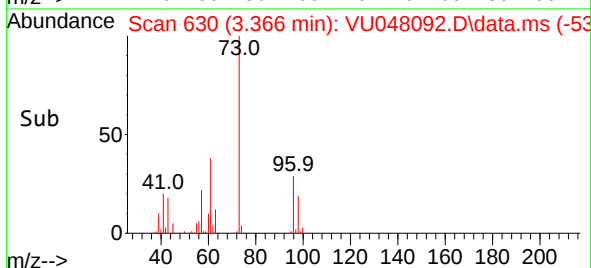
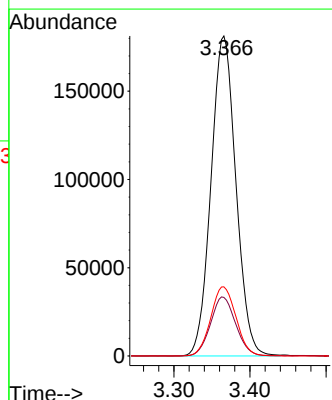
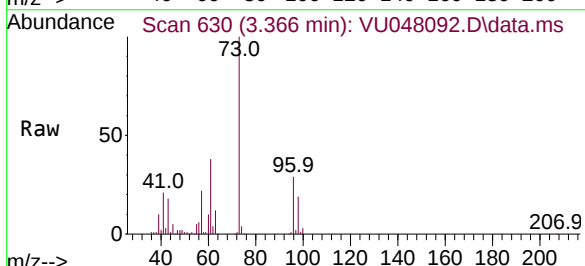
Tgt Ion: 73 Resp: 412338

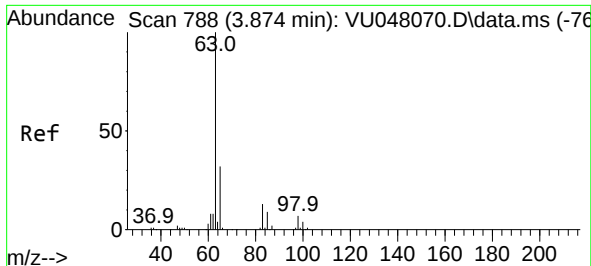
Ion Ratio Lower Upper

73 100

43 18.8 15.3 22.9

57 21.9 17.0 25.6

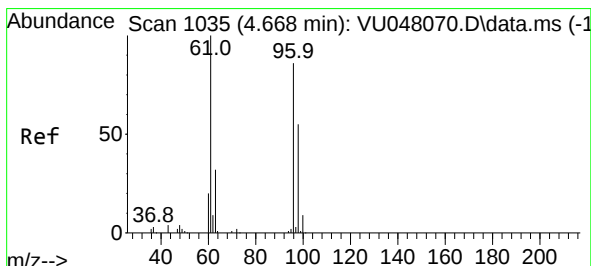
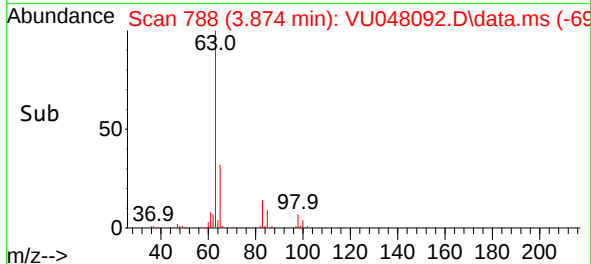
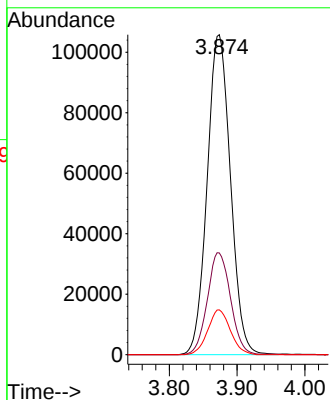
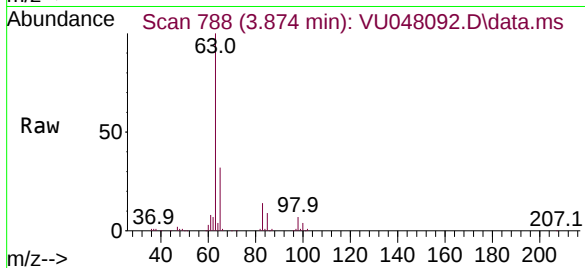




#19
1,1-Dichloroethane
Concen: 54.231 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

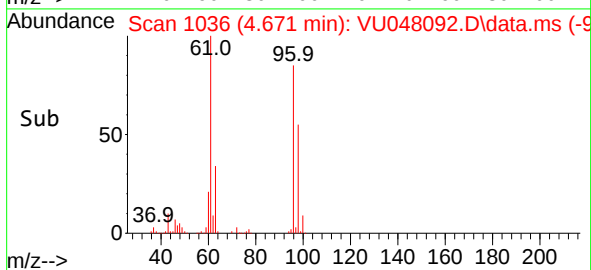
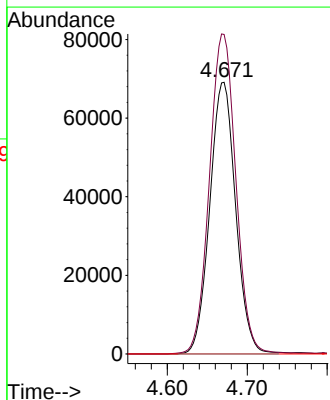
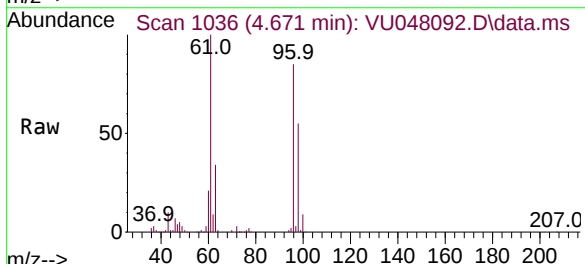
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

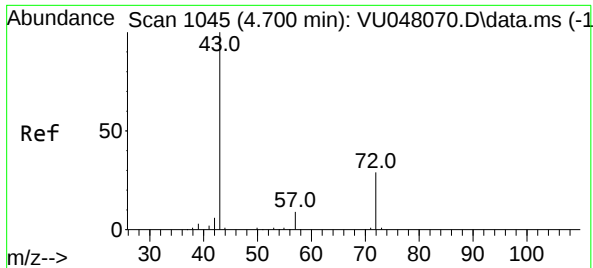
Tgt Ion: 63 Resp: 252795
Ion Ratio Lower Upper
63 100
65 31.8 22.0 41.0
83 14.0 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 52.387 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 96 Resp: 155231
Ion Ratio Lower Upper
96 100
61 117.6 80.7 149.9
68 0.0 0.0 0.0

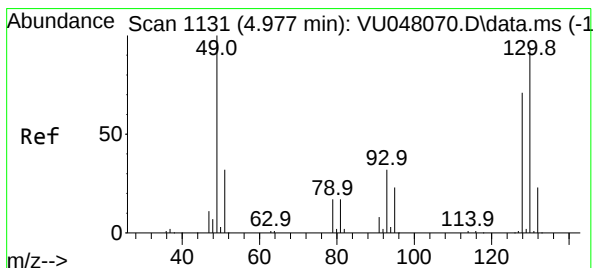
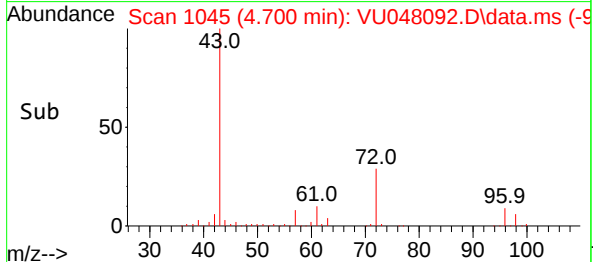
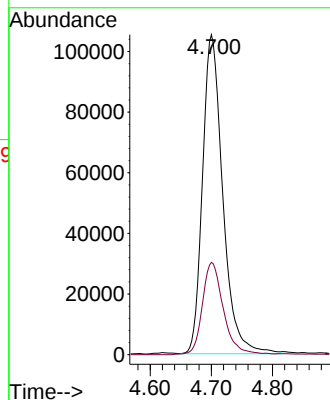
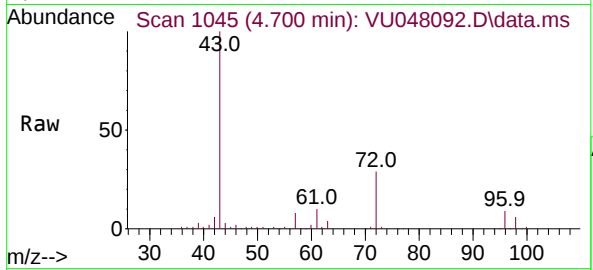




#22
2-Butanone
Concen: 88.716 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

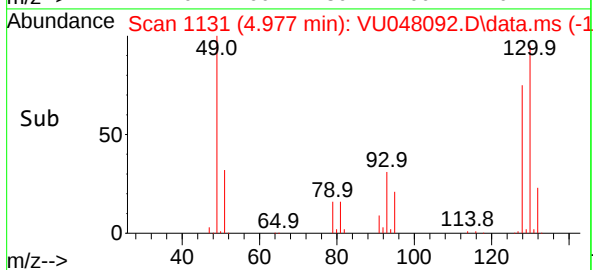
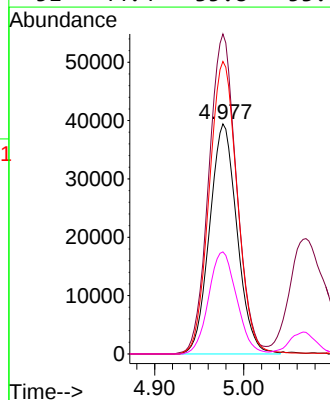
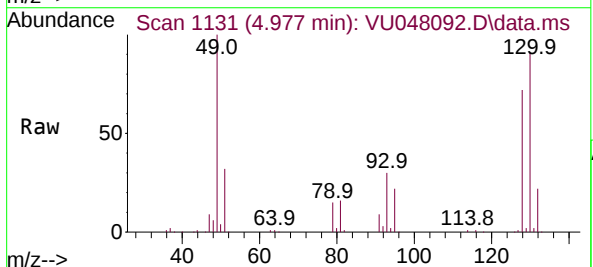
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

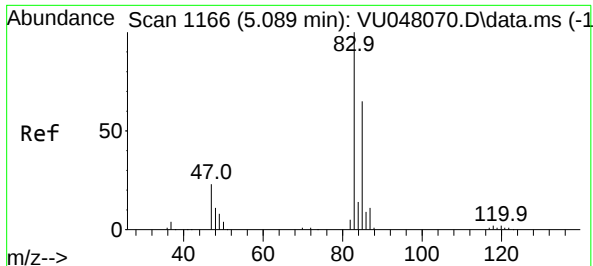
Tgt Ion: 43 Resp: 241819
Ion Ratio Lower Upper
43 100
72 29.9 16.0 47.9



#23
Bromochloromethane
Concen: 51.850 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:128 Resp: 84355
Ion Ratio Lower Upper
128 100
49 139.1 94.1 174.8
130 127.1 90.2 167.4
51 44.4 35.8 53.6





#25

Chloroform

Concen: 51.866 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

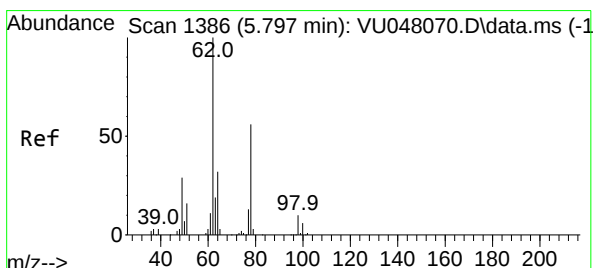
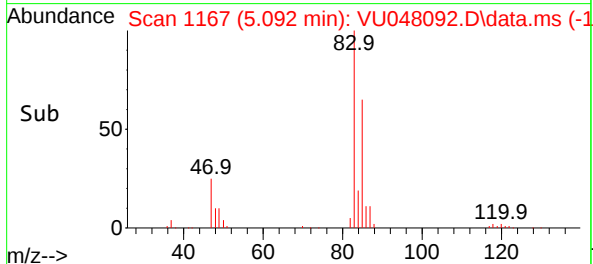
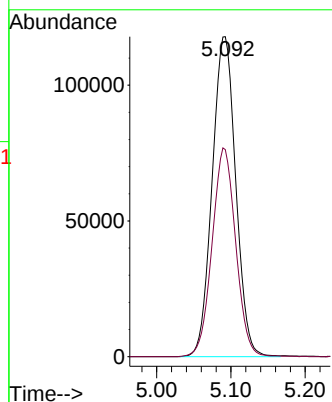
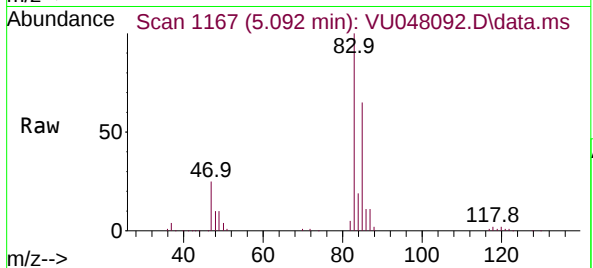
VSTD050083

Tgt Ion: 83 Resp: 260299

Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 51.318 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048092.D

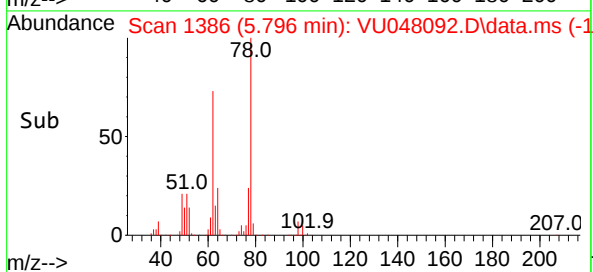
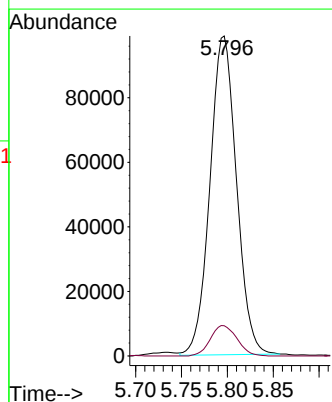
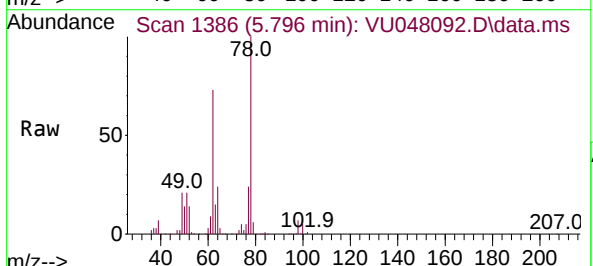
Acq: 15 Apr 2022 04:26

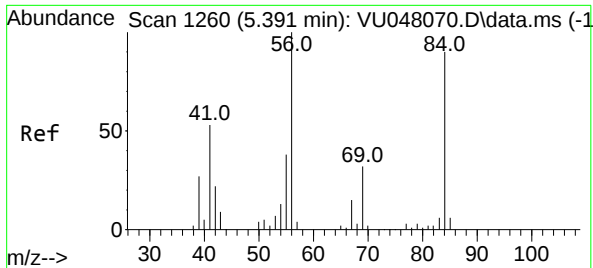
Tgt Ion: 62 Resp: 198981

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0





#29

Cyclohexane

Concen: 53.329 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050083

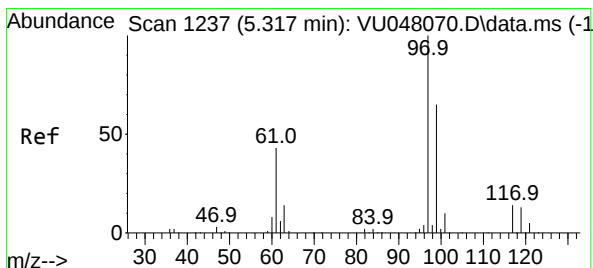
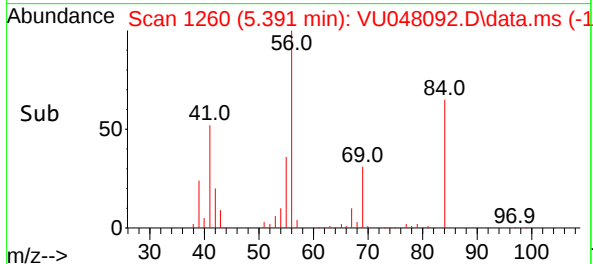
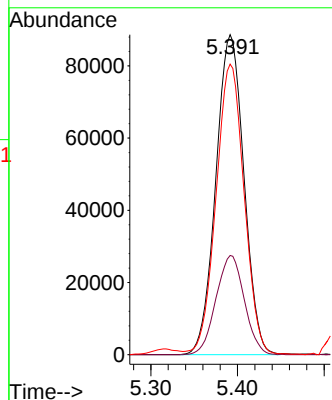
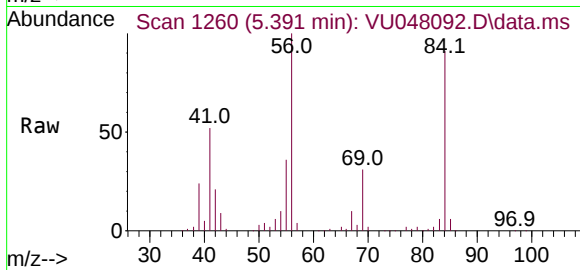
Tgt Ion: 56 Resp: 200120

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 90.2 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 52.153 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

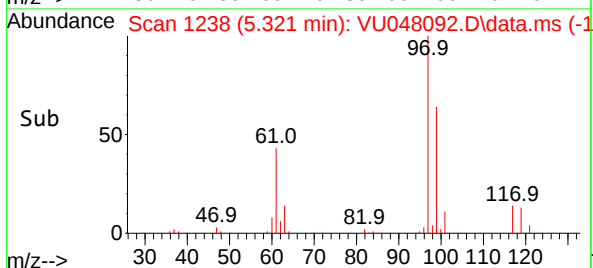
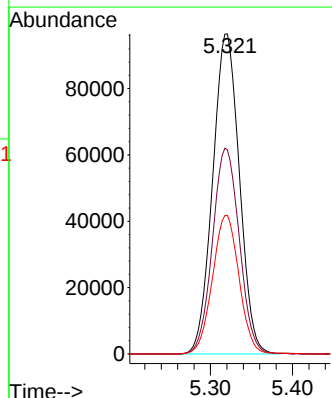
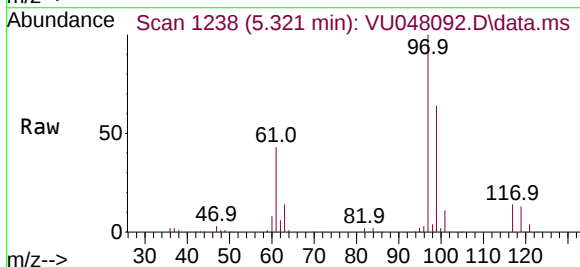
Tgt Ion: 97 Resp: 218689

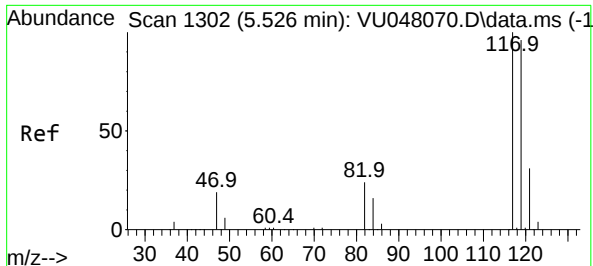
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 43.1 34.2 51.4

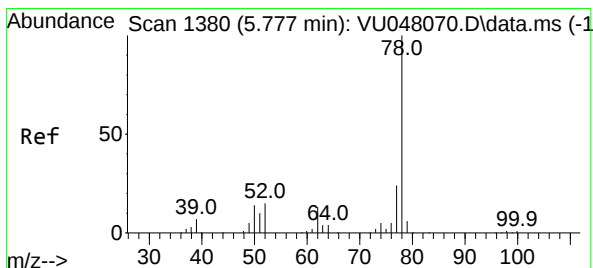
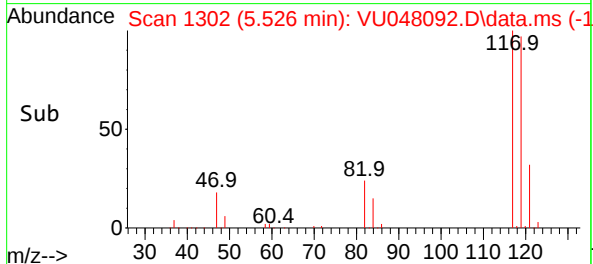
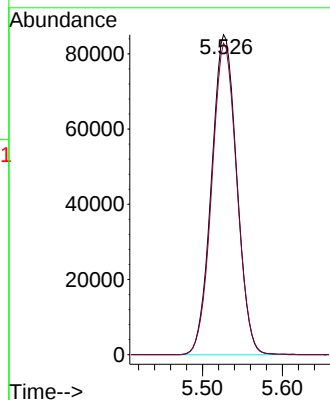
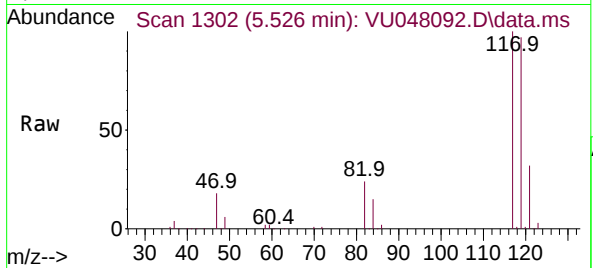




#31
Carbon tetrachloride
Concen: 49.253 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

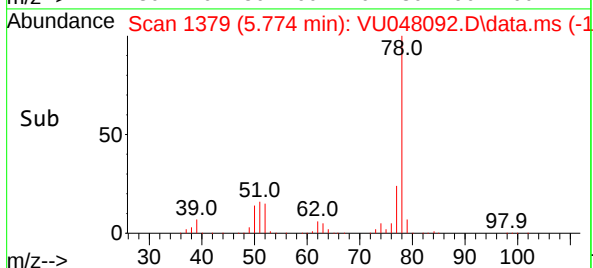
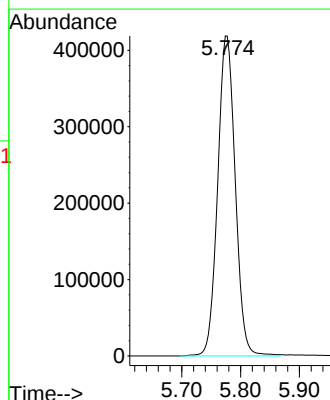
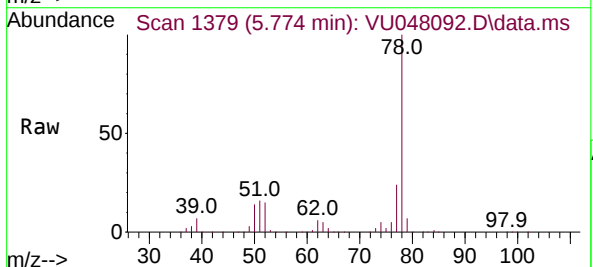
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

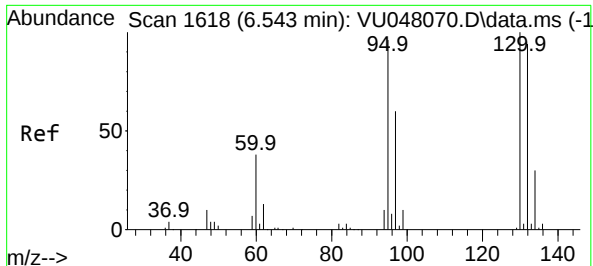
Tgt Ion:117 Resp: 186496
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 81.286 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 78 Resp: 870096

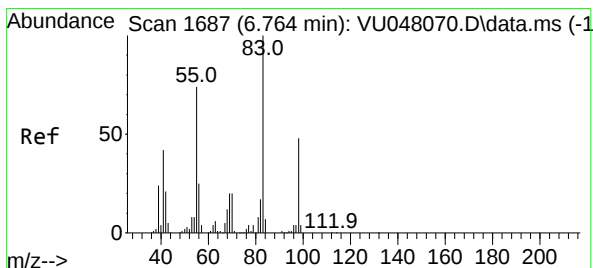
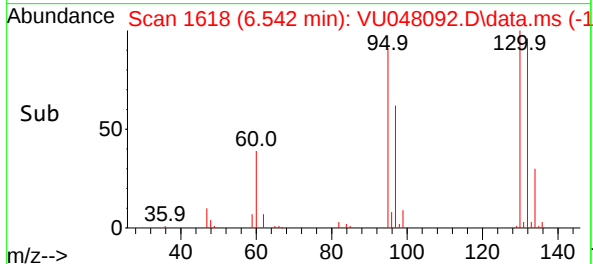
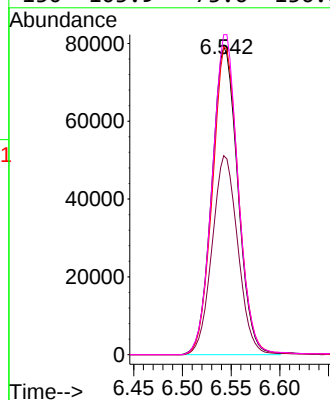
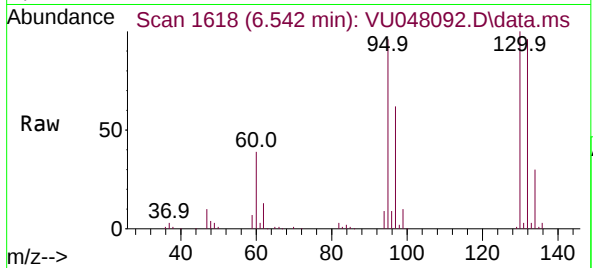




#34
Trichloroethene
Concen: 52.351 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

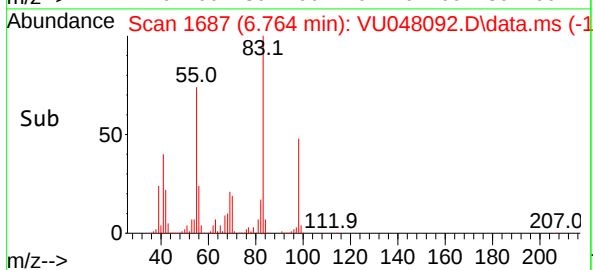
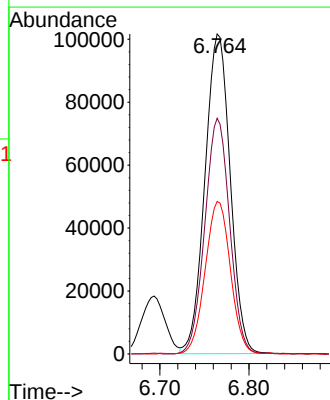
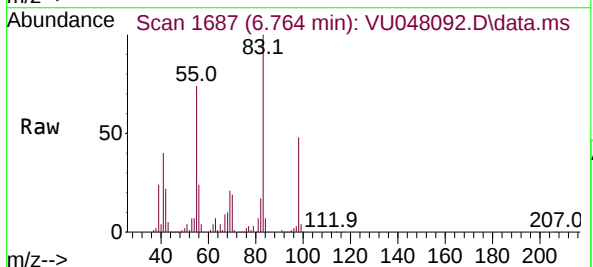
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

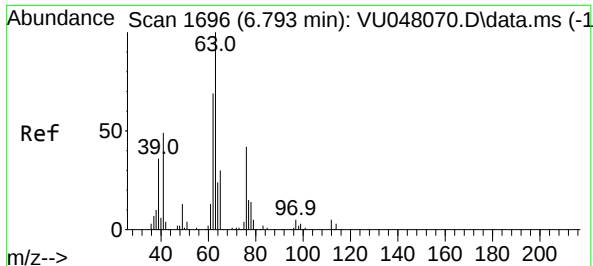
Tgt Ion: 95 Resp: 146915
Ion Ratio Lower Upper
95 100
97 64.7 44.7 82.9
132 99.9 70.4 130.8
130 103.9 73.6 136.8



#35
Methylcyclohexane
Concen: 46.883 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 83 Resp: 200158
Ion Ratio Lower Upper
83 100
55 72.6 56.8 85.2
98 47.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 54.800 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

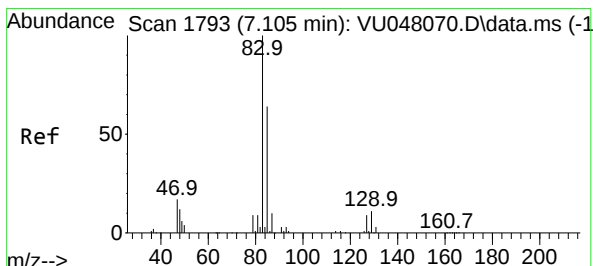
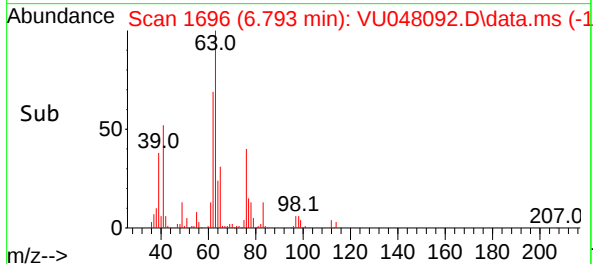
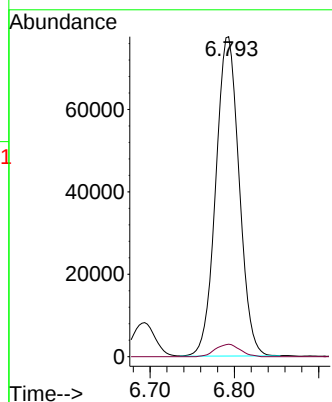
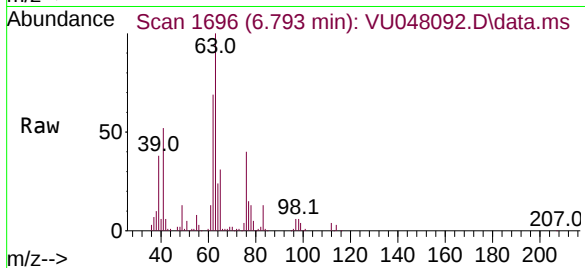
VSTD050083

Tgt Ion: 63 Resp: 149119

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 52.933 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

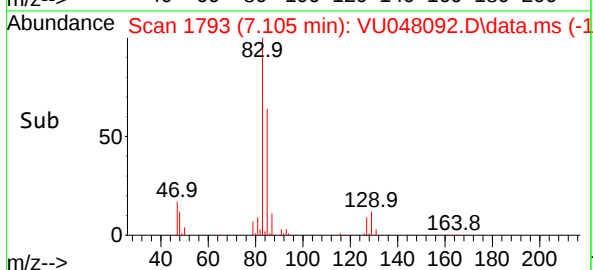
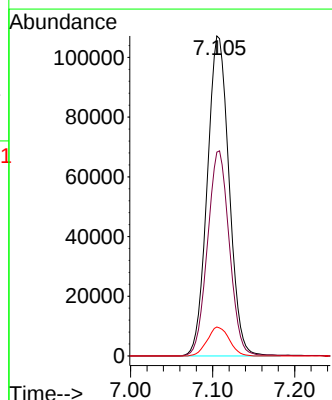
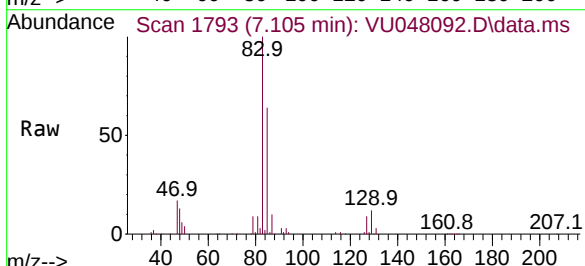
Tgt Ion: 83 Resp: 197799

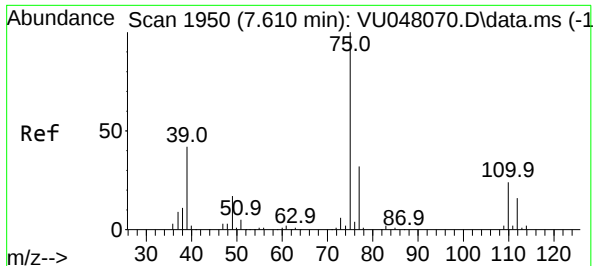
Ion Ratio Lower Upper

83 100

85 63.7 44.4 82.4

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.019 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

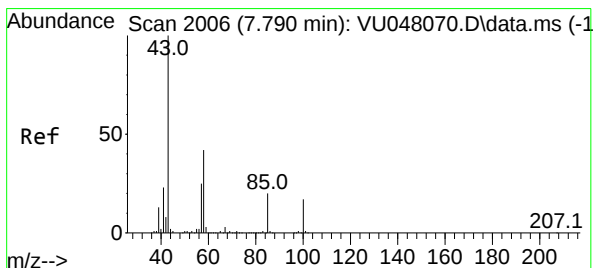
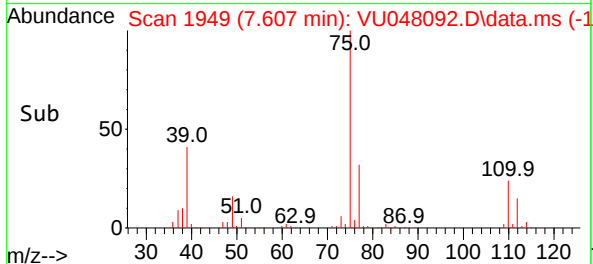
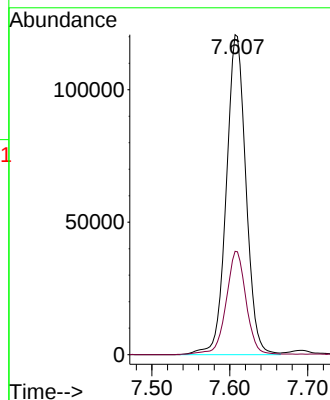
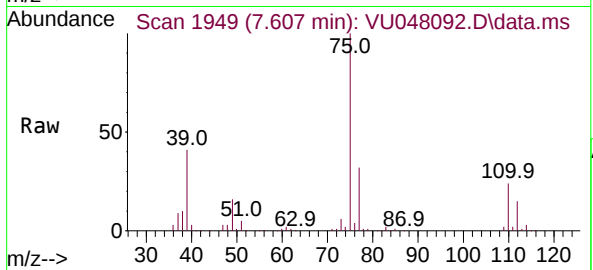
VSTD050083

Tgt Ion: 75 Resp: 211193

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 104.345 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

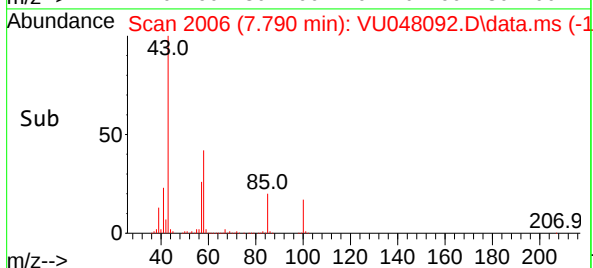
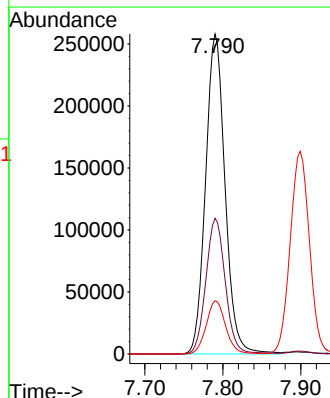
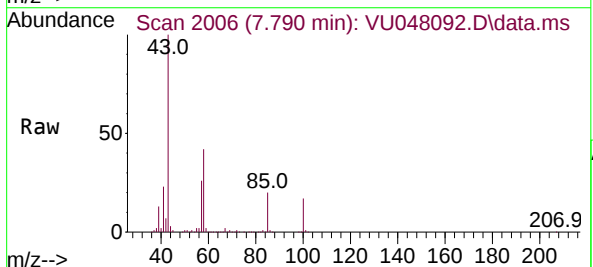
Tgt Ion: 43 Resp: 448765

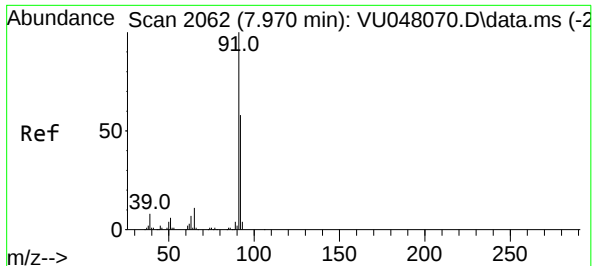
Ion Ratio Lower Upper

43 100

58 42.3 34.7 52.1

100 16.6 14.2 21.2





#42

Toluene

Concen: 54.179 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

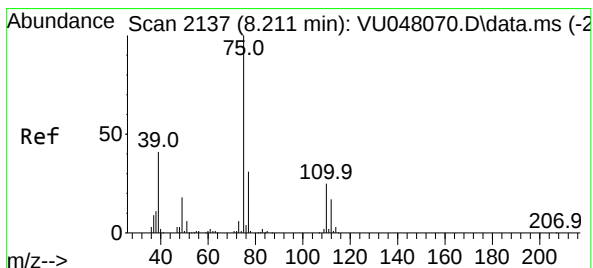
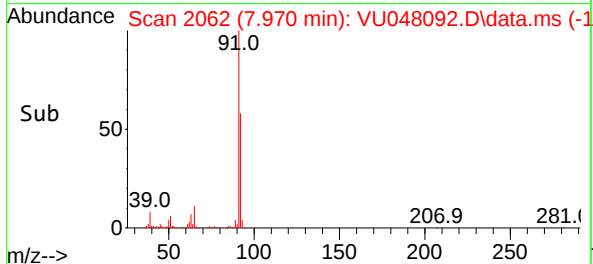
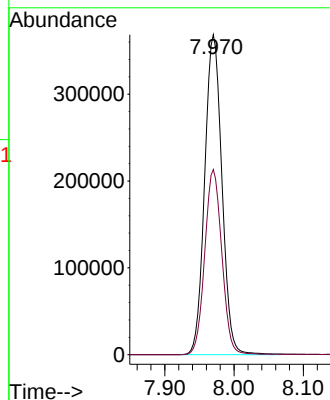
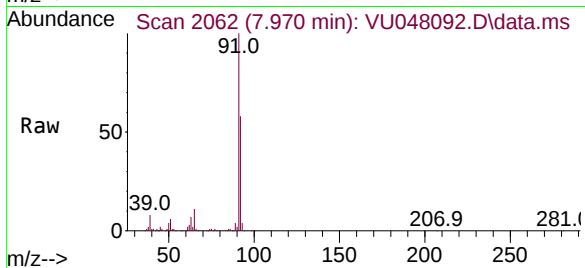
VSTD050083

Tgt Ion: 91 Resp: 636339

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 48.638 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048092.D

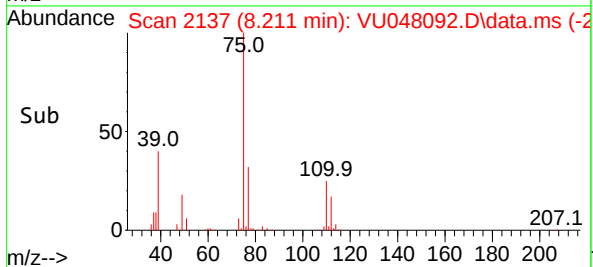
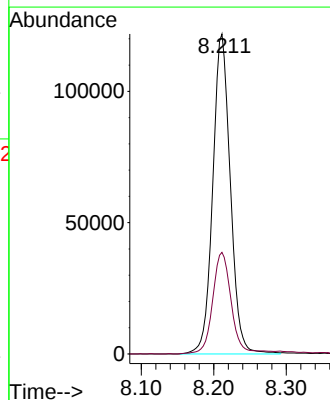
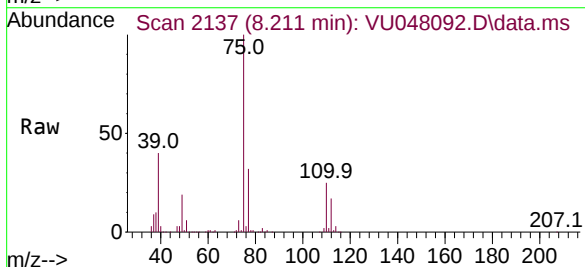
Acq: 15 Apr 2022 04:26

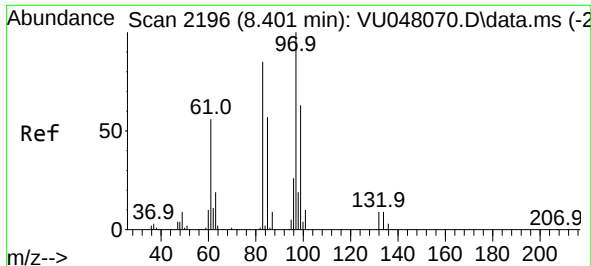
Tgt Ion: 75 Resp: 205045

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



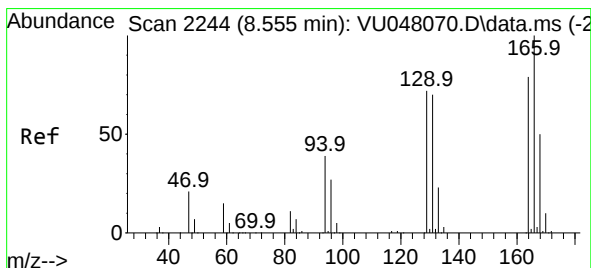
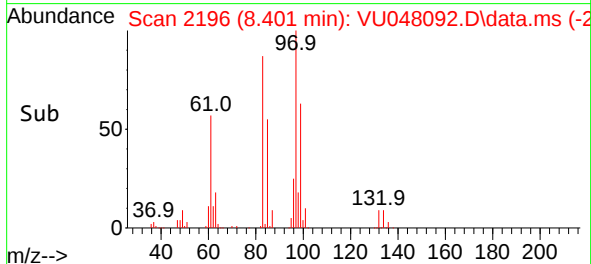
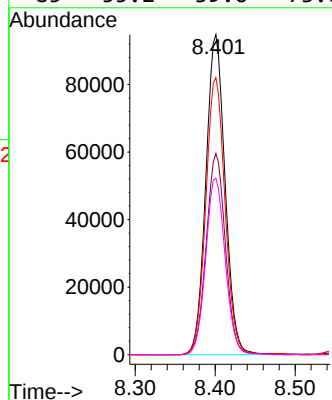
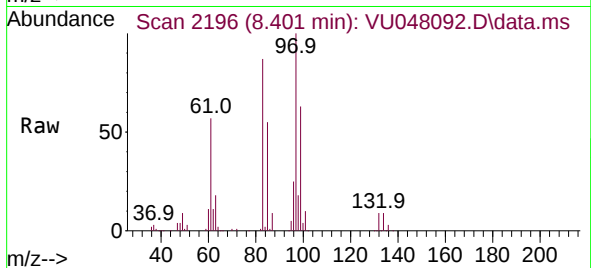


#45
1,1,2-Trichloroethane
Concen: 55.029 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

Tgt Ion: 97 Resp: 158811

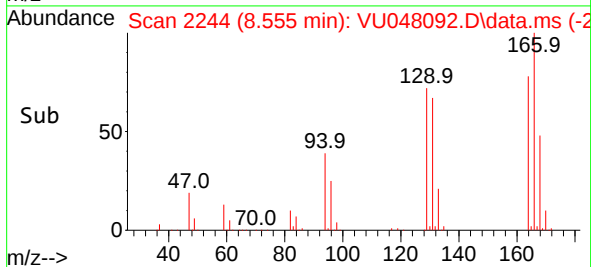
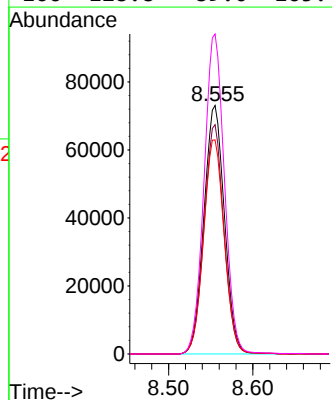
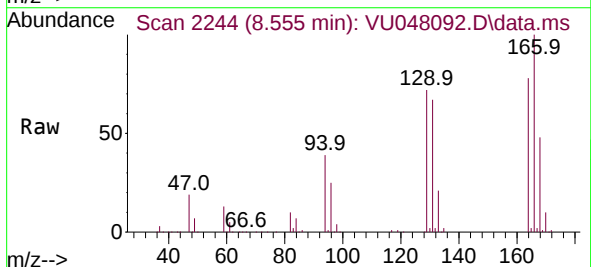
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	86.6	61.0	113.4
85	55.2	39.6	73.6

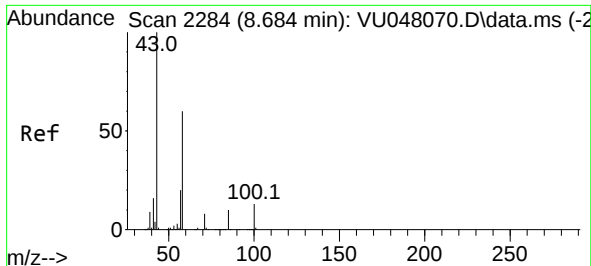


#46
Tetrachloroethene
Concen: 49.331 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 164 Resp: 124406

Ion	Ratio	Lower	Upper
164	100		
129	92.3	62.4	116.0
131	86.2	60.7	112.7
166	128.8	89.0	165.4

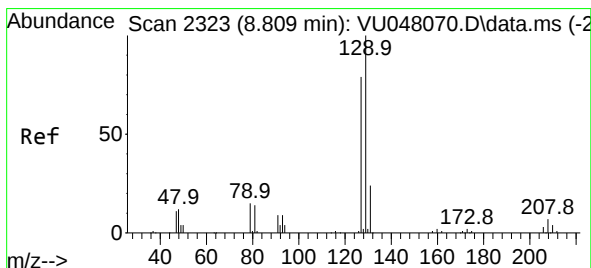
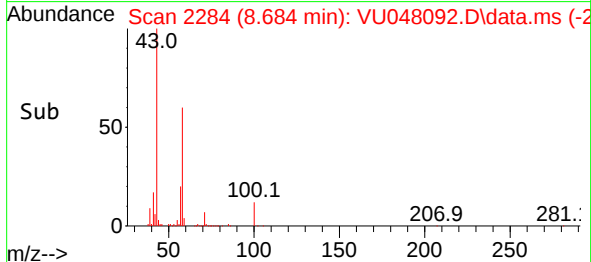
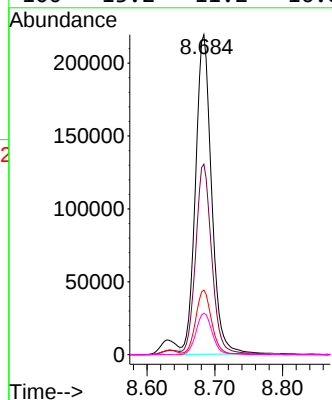
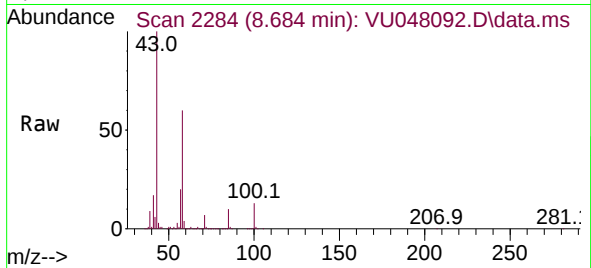




#48
2-Hexanone
Concen: 97.761 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

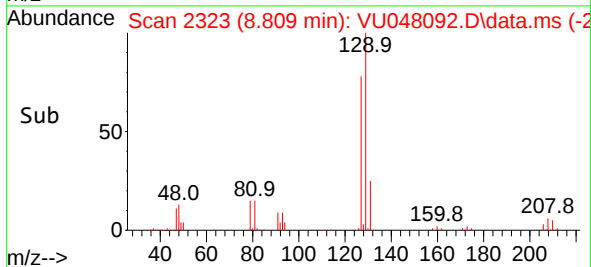
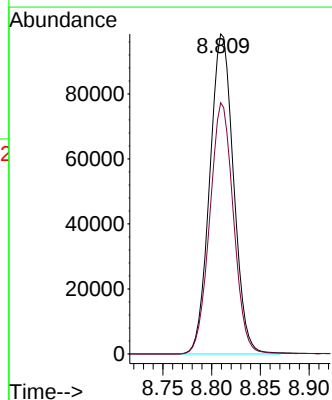
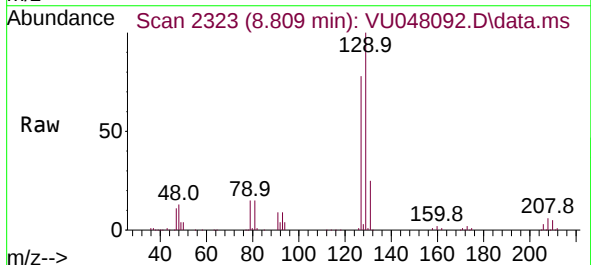
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

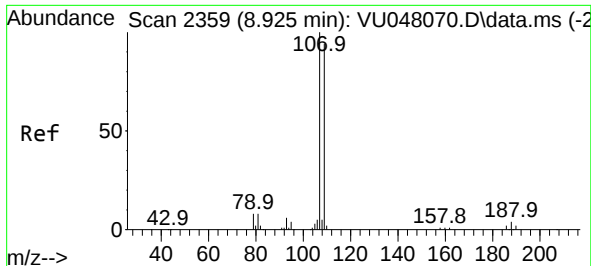
Tgt Ion: 43 Resp: 361662
Ion Ratio Lower Upper
43 100
58 58.5 48.1 72.1
57 19.4 16.2 24.4
100 13.2 11.2 16.8



#49
Dibromochloromethane
Concen: 50.030 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 129 Resp: 167230
Ion Ratio Lower Upper
129 100
127 78.5 54.2 100.6

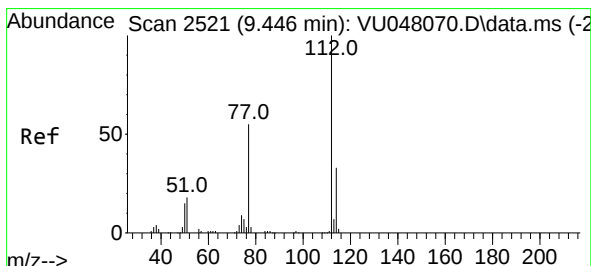
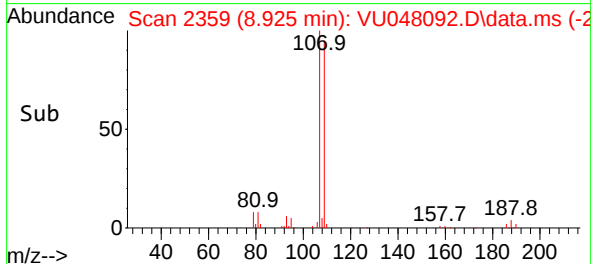
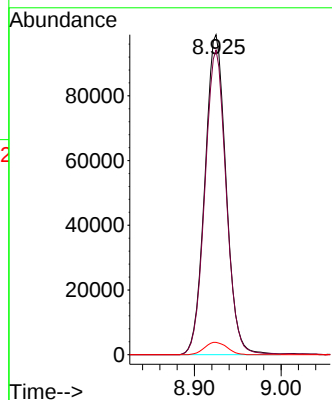
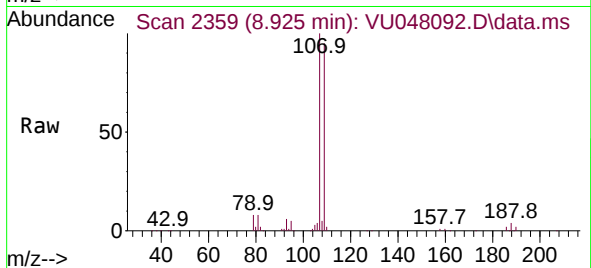




#50
1,2-Dibromoethane
Concen: 52.037 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

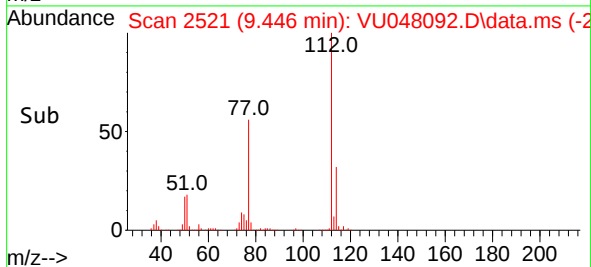
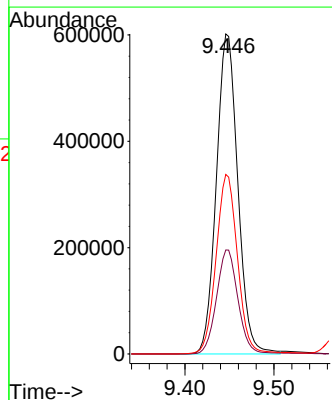
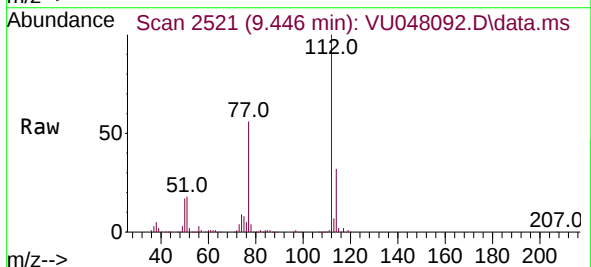
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

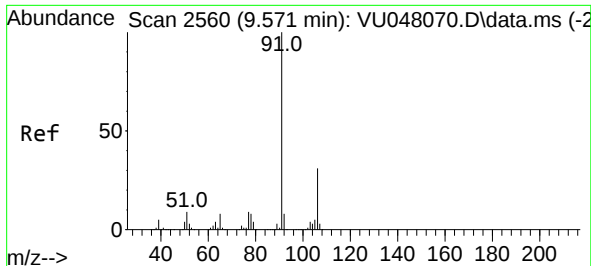
Tgt Ion:107 Resp: 168360
Ion Ratio Lower Upper
107 100
109 95.2 66.6 123.6
188 3.8 3.4 5.2



#51
Chlorobenzene
Concen: 126.374 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:112 Resp: 1007806
Ion Ratio Lower Upper
112 100
114 32.5 22.1 41.1
77 56.1 43.4 65.0

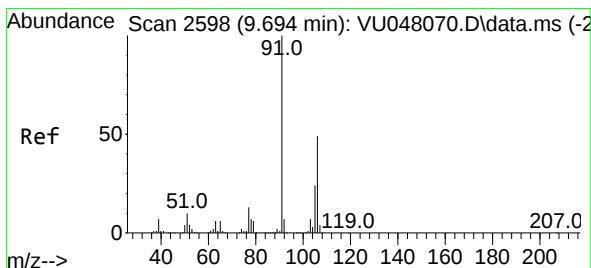
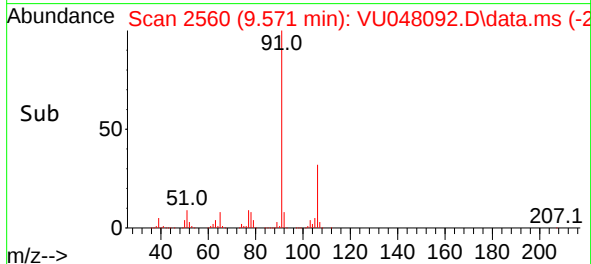
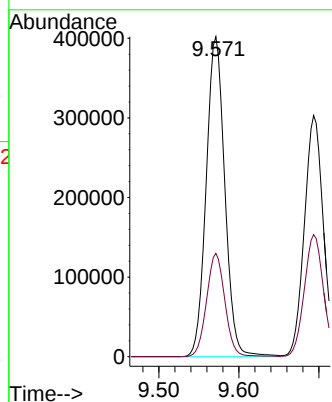
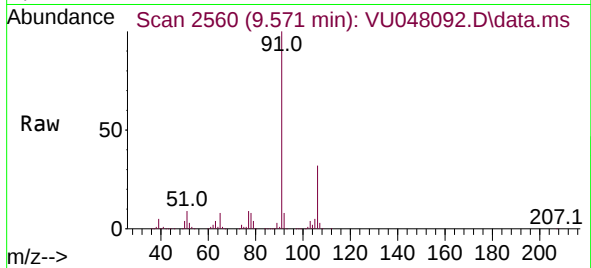




#52
Ethylbenzene
Concen: 52.765 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

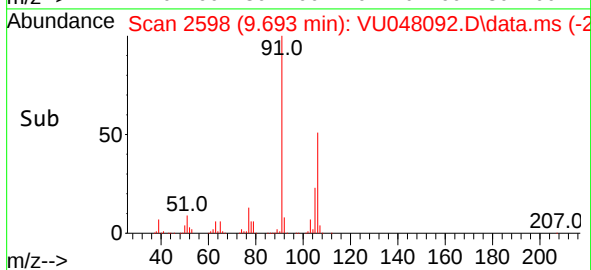
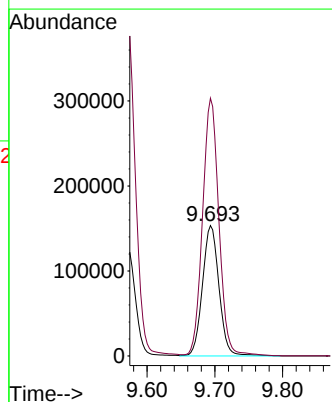
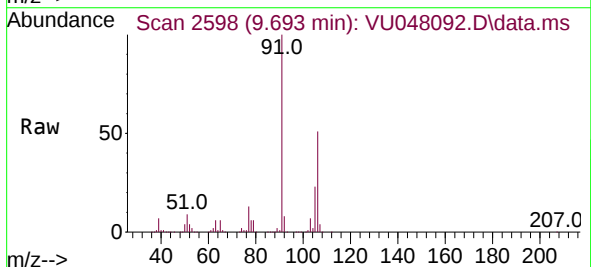
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

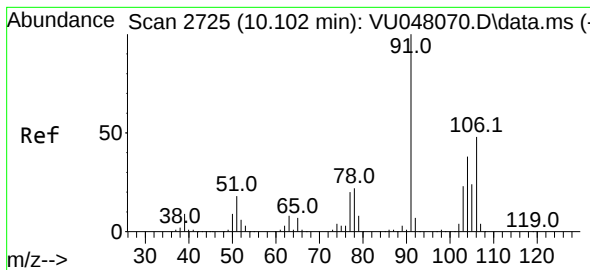
Tgt Ion: 91 Resp: 651619
Ion Ratio Lower Upper
91 100
106 32.3 22.4 41.6



#53
m,p-Xylene
Concen: 53.621 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 106 Resp: 259830
Ion Ratio Lower Upper
106 100
91 197.6 137.7 255.7

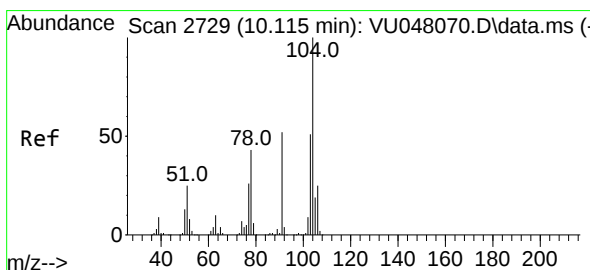
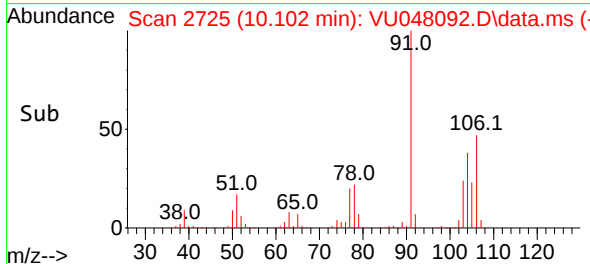
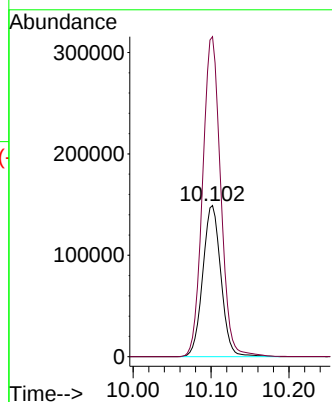
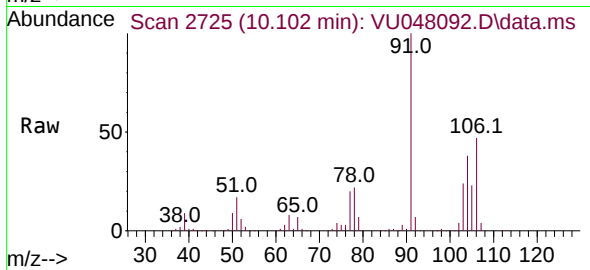




#54
o-Xylene
Concen: 50.855 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

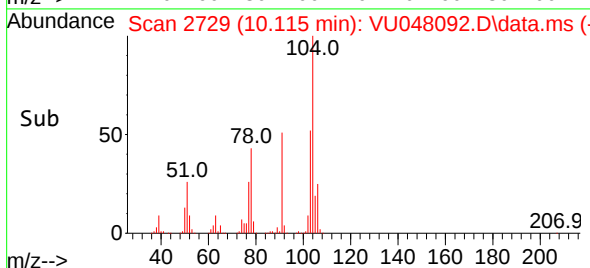
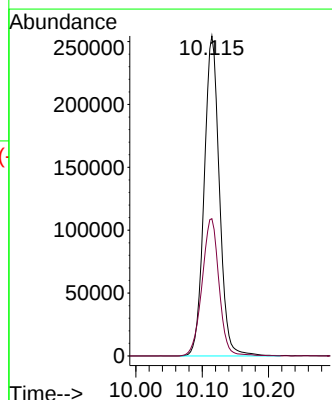
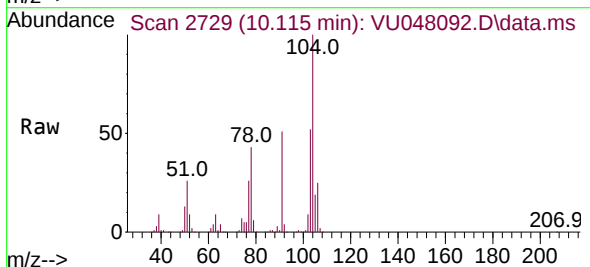
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

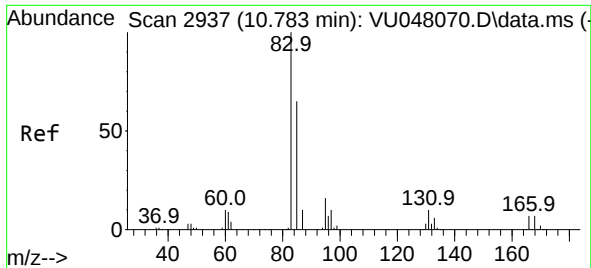
Tgt Ion:106 Resp: 241859
Ion Ratio Lower Upper
106 100
91 211.6 146.7 272.5



#55
Styrene
Concen: 50.073 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:104 Resp: 406580
Ion Ratio Lower Upper
104 100
78 42.9 30.4 56.4

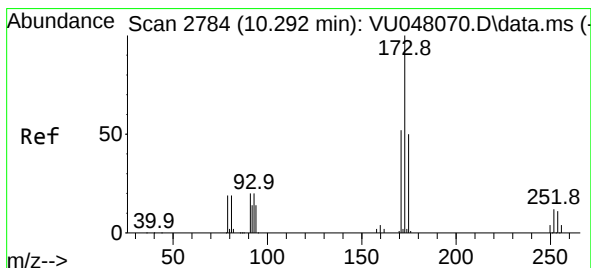
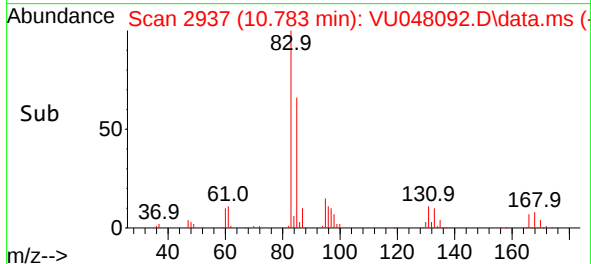
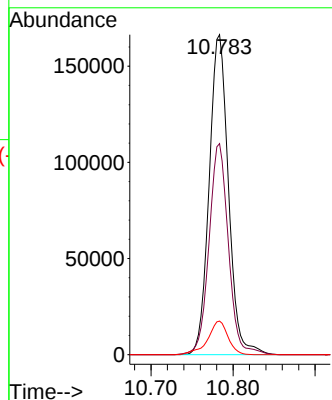
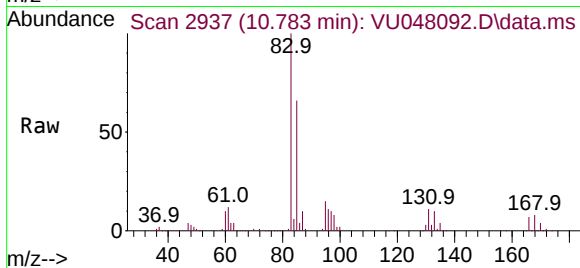




#57
1,1,2,2-Tetrachloroethane
Concen: 50.274 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

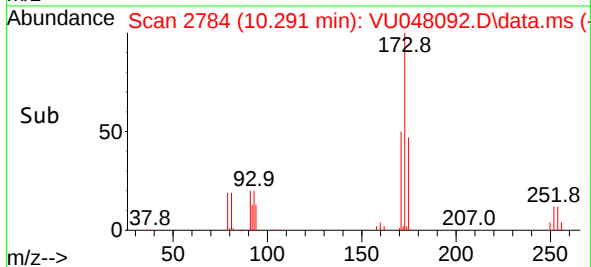
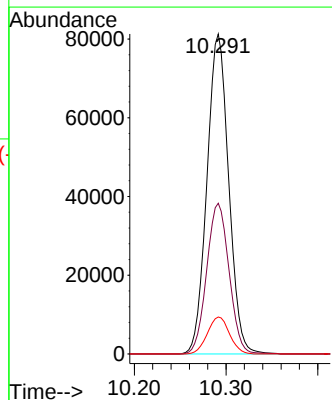
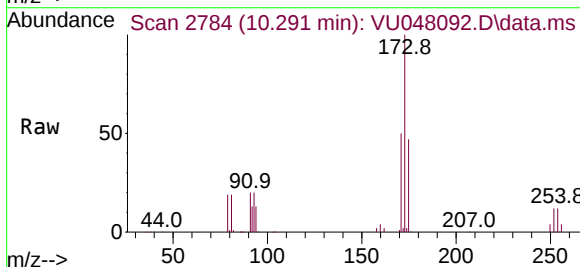
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

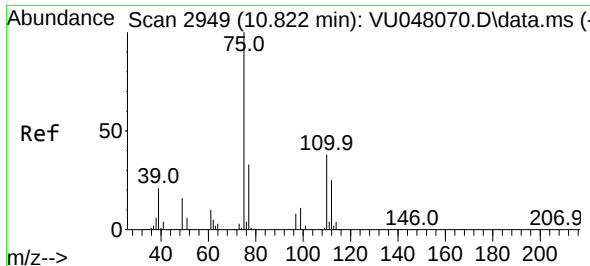
Tgt Ion: 83 Resp: 272004
Ion Ratio Lower Upper
83 100
85 66.0 44.9 83.3
131 10.5 8.6 13.0



#59
Bromoform
Concen: 48.315 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:173 Resp: 133747
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 11.7 9.6 14.4

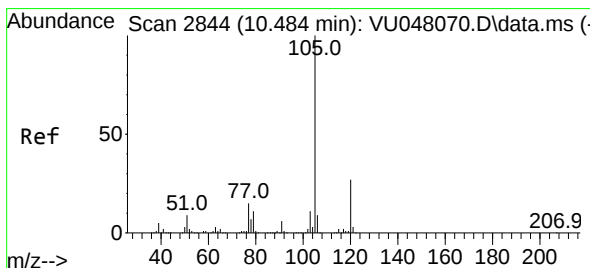
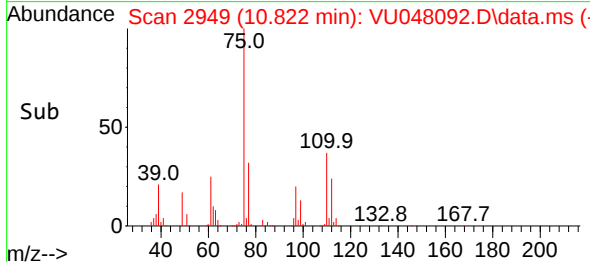
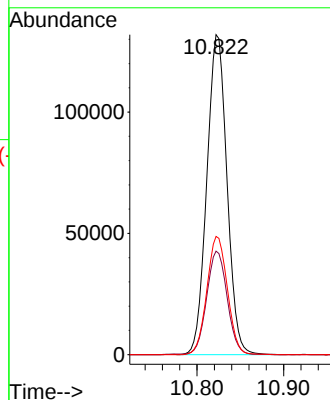
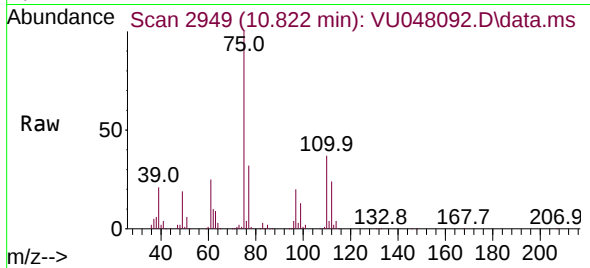




#60
1,2,3-Trichloropropane
Concen: 52.290 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

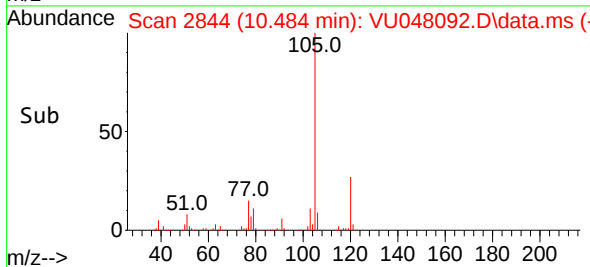
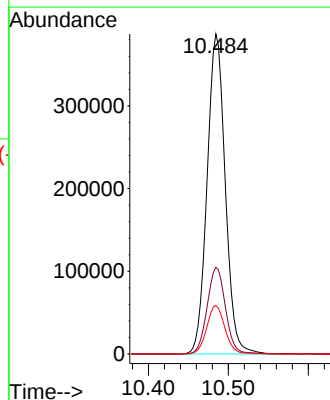
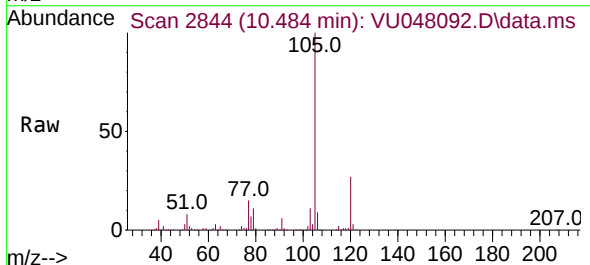
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

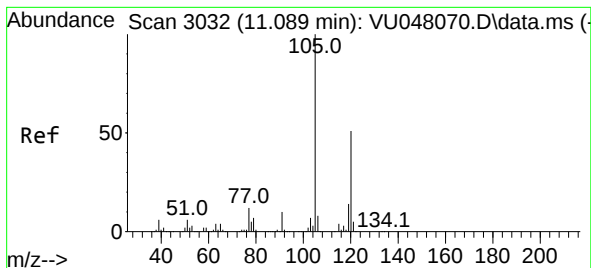
Tgt Ion: 75 Resp: 213398
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 37.6 31.4 47.2



#61
Isopropylbenzene
Concen: 52.231 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion: 105 Resp: 611090
Ion Ratio Lower Upper
105 100
120 27.3 21.9 32.9
77 15.3 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 53.208 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048092.D

Acq: 15 Apr 2022 04:26

Instrument :

MSVOA_U

ClientSampleId :

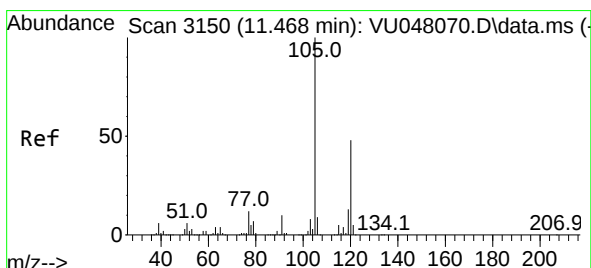
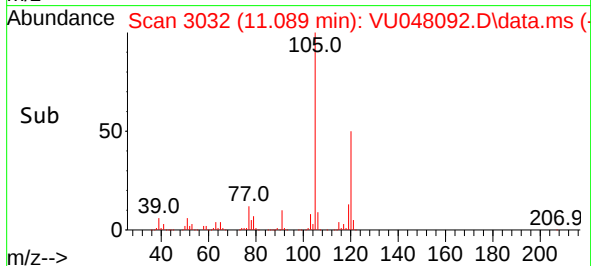
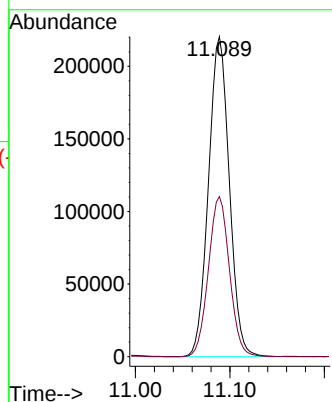
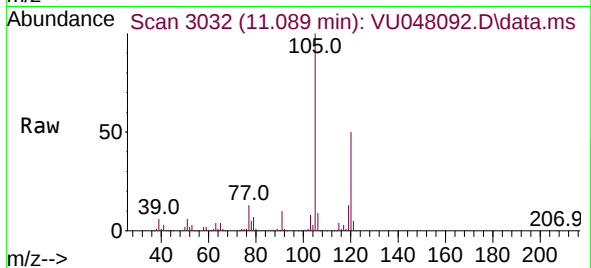
VSTD050083

Tgt Ion:105 Resp: 337766

Ion Ratio Lower Upper

105 100

120 50.6 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 53.786 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048092.D

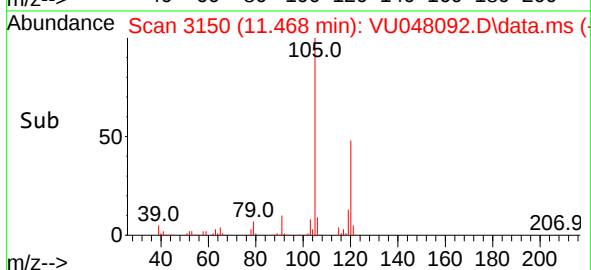
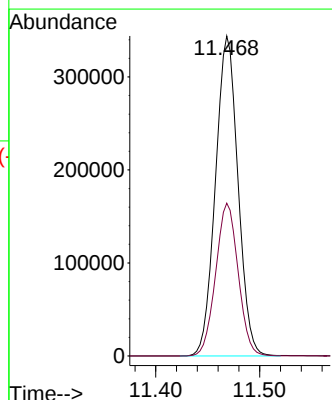
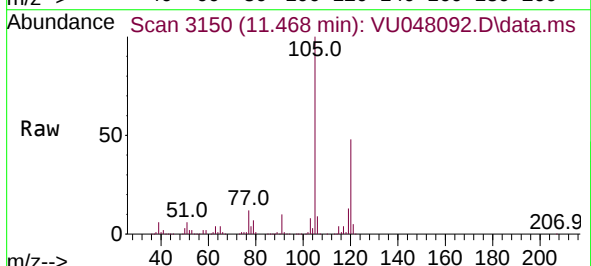
Acq: 15 Apr 2022 04:26

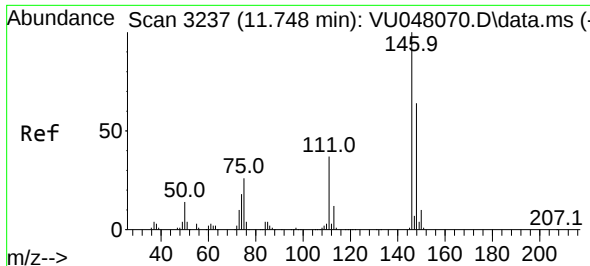
Tgt Ion:105 Resp: 518634

Ion Ratio Lower Upper

105 100

120 47.6 37.6 56.4

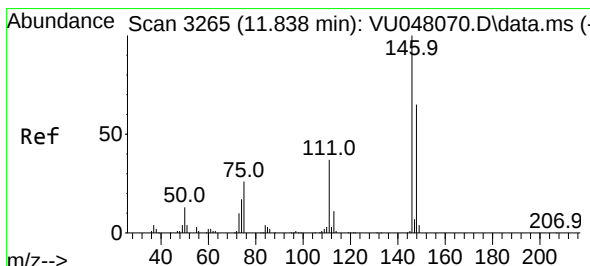
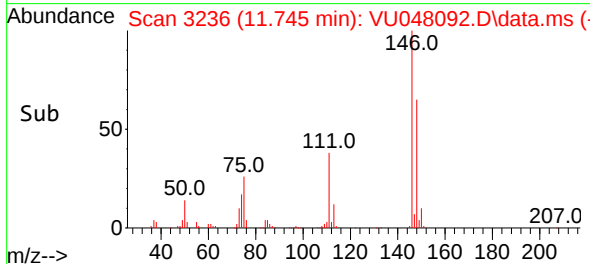
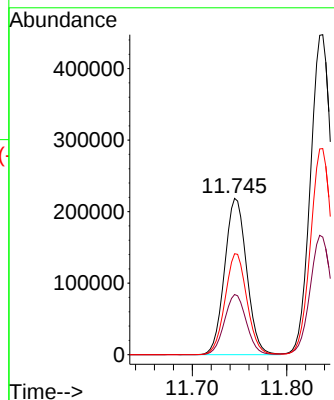
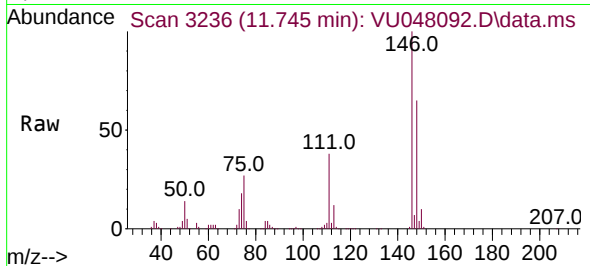




#64
1,3-Dichlorobenzene
Concen: 54.366 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

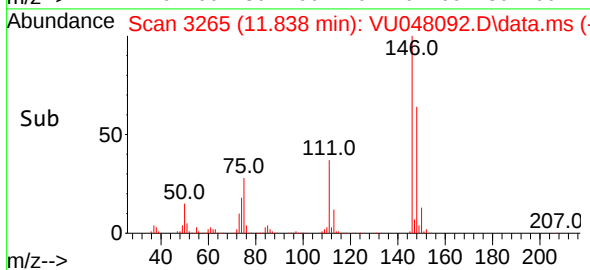
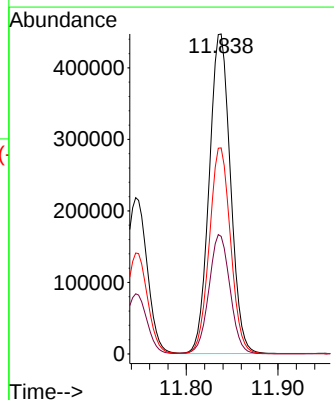
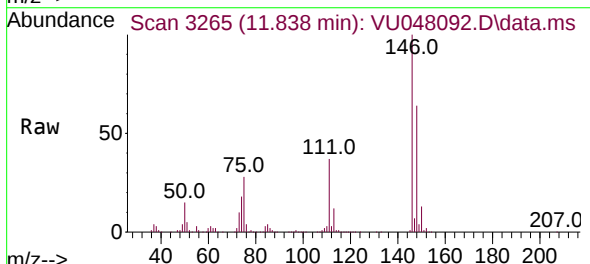
Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

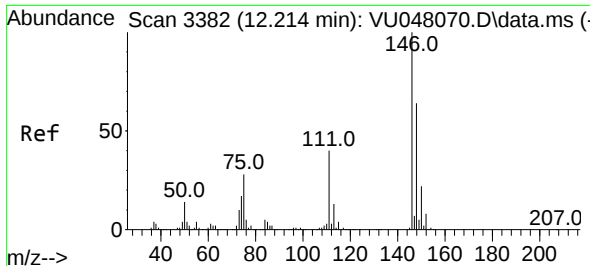
Tgt Ion:146 Resp: 353539
Ion Ratio Lower Upper
146 100
111 38.5 26.7 49.7
148 64.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 106.758 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:146 Resp: 719094
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 64.4 44.5 82.7

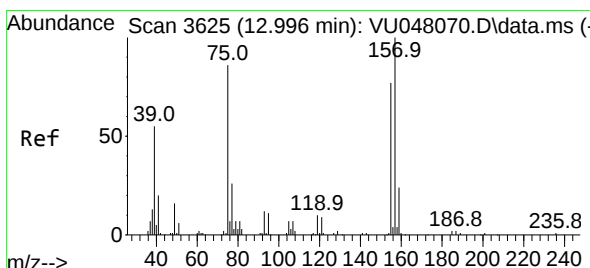
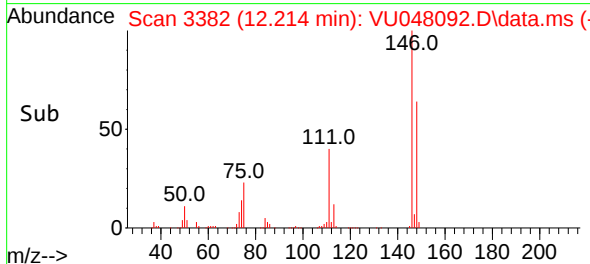
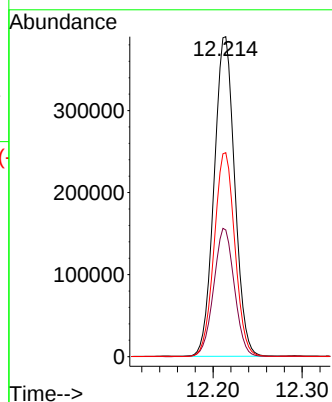
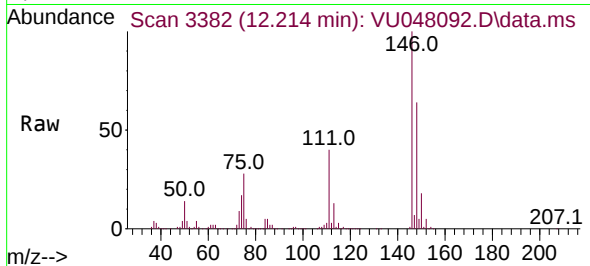




#67
 1,2-Dichlorobenzene
 Concen: 96.324 ug/L
 RT: 12.214 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

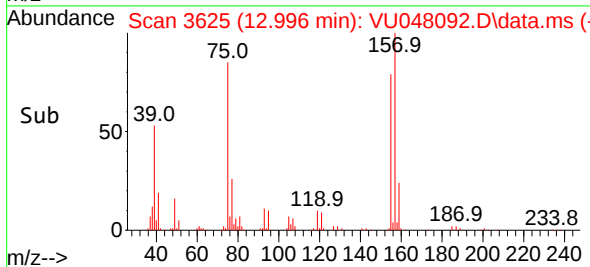
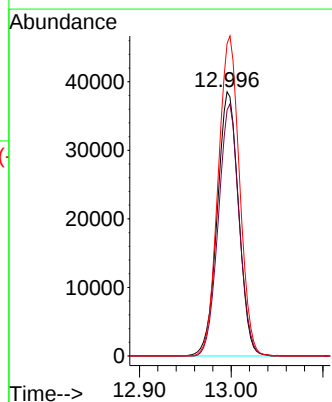
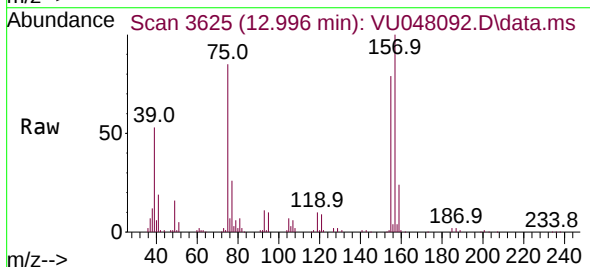
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

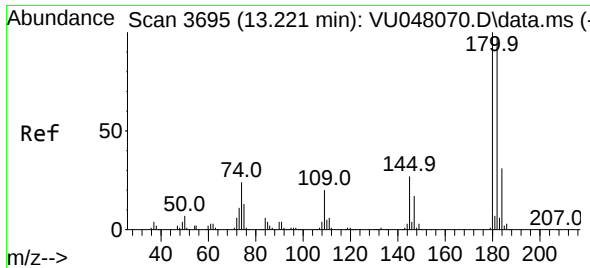
Tgt Ion:146 Resp: 626762
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.7 47.5
 148 63.8 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.726 ug/L
 RT: 12.996 min Scan# 3625
 Delta R.T. -0.000 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

Tgt Ion: 75 Resp: 62390
 Ion Ratio Lower Upper
 75 100
 155 93.1 78.9 118.3
 157 118.3 97.5 146.3



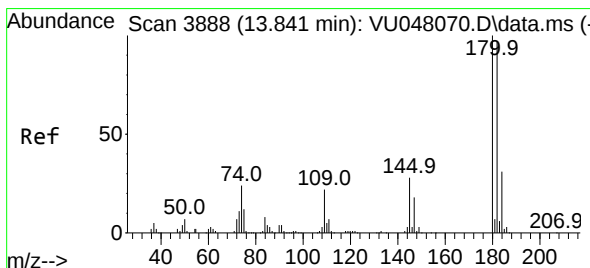
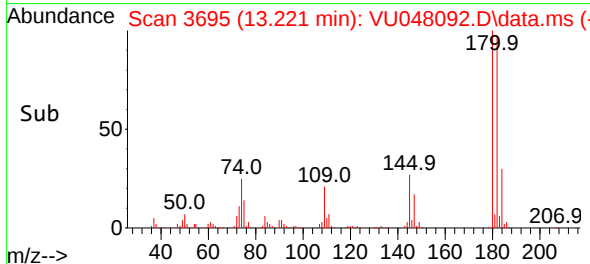
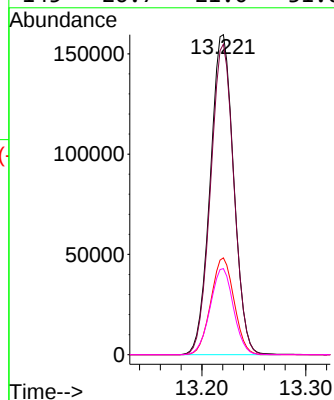
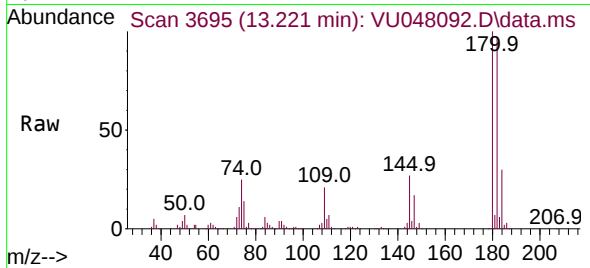


#69
 1,3,5-Trichlorobenzene
 Concen: 47.344 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Tgt Ion:180 Resp: 250041

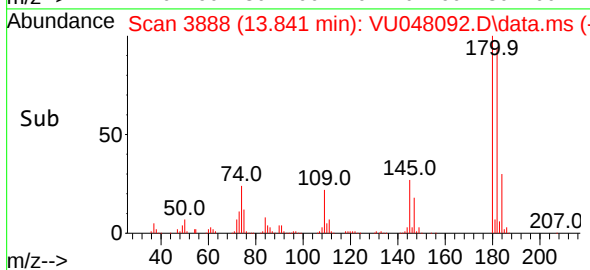
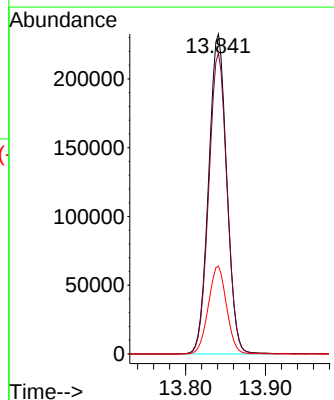
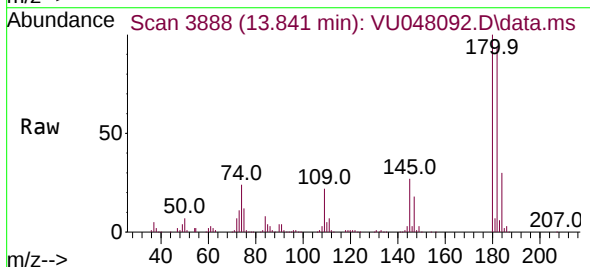
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
184	29.9	24.5	36.7
145	26.7	21.0	31.6

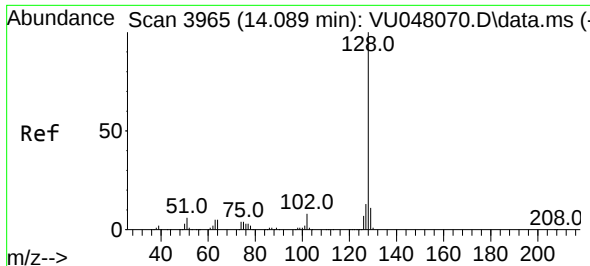


#70
 1,2,4-trichlorobenzene
 Concen: 79.325 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048092.D
 Acq: 15 Apr 2022 04:26

Tgt Ion:180 Resp: 366955

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
145	27.5	21.8	32.8

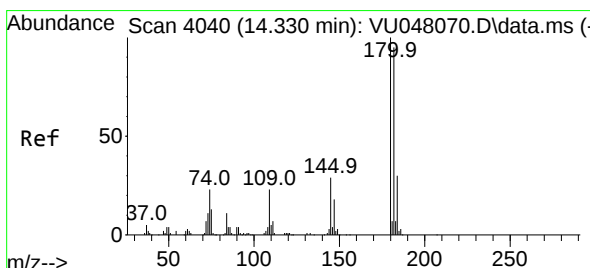
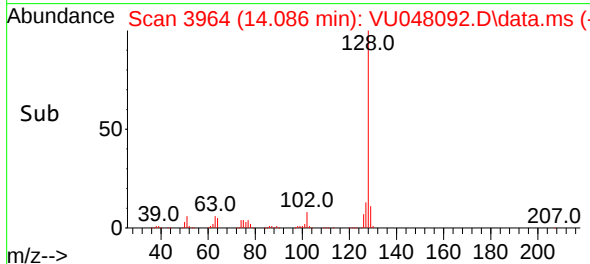
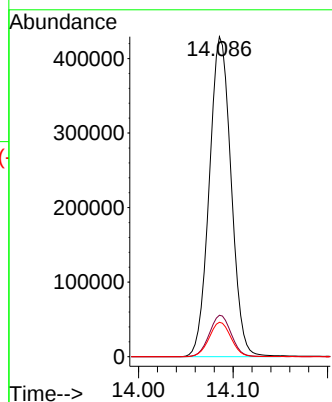
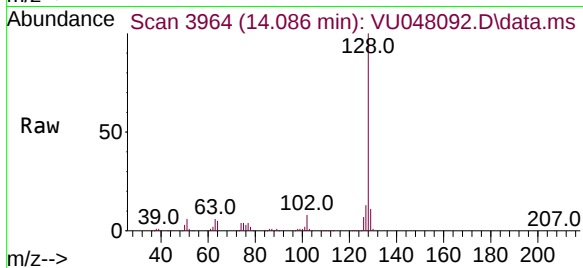




#71
Naphthalene
Concen: 49.935 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050083

Tgt Ion:128 Resp: 688696
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 57.819 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048092.D
Acq: 15 Apr 2022 04:26

Tgt Ion:180 Resp: 268130
Ion Ratio Lower Upper
180 100
182 96.0 77.4 116.0
145 28.7 22.8 34.2

