

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050123\
 Data File : VU054014.D
 Acq On : 01 May 2023 09:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

Quant Time: May 02 05:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:19:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	265701	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247714	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	132096	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99053	49.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.580%
7) Chloroethane-d5	1.912	69	68246	51.737	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.480%
11) 1,1-Dichloroethene-d2	2.568	63	175202	49.156	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.320%
21) 2-Butanone-d5	4.626	46	107523	93.816	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.820%
24) Chloroform-d	5.057	84	185360	50.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
26) 1,2-Dichloroethane-d4	5.697	65	118206	49.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.760%
32) Benzene-d6	5.723	84	363762	49.889	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.780%
36) 1,2-Dichloropropane-d6	6.687	67	114909	49.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	7.893	98	335228	50.924	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.840%
43) trans-1,3-Dichloroprop...	8.173	79	51588	45.287	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.580%
47) 2-Hexanone-d5	8.629	63	73159	88.736	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146135	48.197	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	129112	50.033	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	95528	49.832	ug/L	99
3) Chloromethane	1.520	50	85496	48.527	ug/L	100
5) Vinyl chloride	1.604	62	92301	49.256	ug/L	98
6) Bromomethane	1.858	94	48434	46.366	ug/L	95
8) Chloroethane	1.935	64	50293	49.251	ug/L	100
9) Trichlorofluoromethane	2.137	101	148161	49.824	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	89516	50.334	ug/L	100
12) 1,1-Dichloroethene	2.578	96	76217	49.452	ug/L	93
13) Acetone	2.639	43	70739	62.883	ug/L	98
14) Carbon disulfide	2.793	76	171164	50.037	ug/L	98
15) Methyl Acetate	2.948	43	92220	52.346	ug/L	97
16) Methylene chloride	3.044	84	91504	47.075	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	76498	48.540	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	281236	48.541	ug/L	99
19) 1,1-Dichloroethane	3.864	63	168499	49.797	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	95801	49.467	ug/L	94
22) 2-Butanone	4.703	43	108012	81.326	ug/L	98
23) Bromochloromethane	4.970	128	50009	49.807	ug/L	97
25) Chloroform	5.083	83	175862	49.252	ug/L	98

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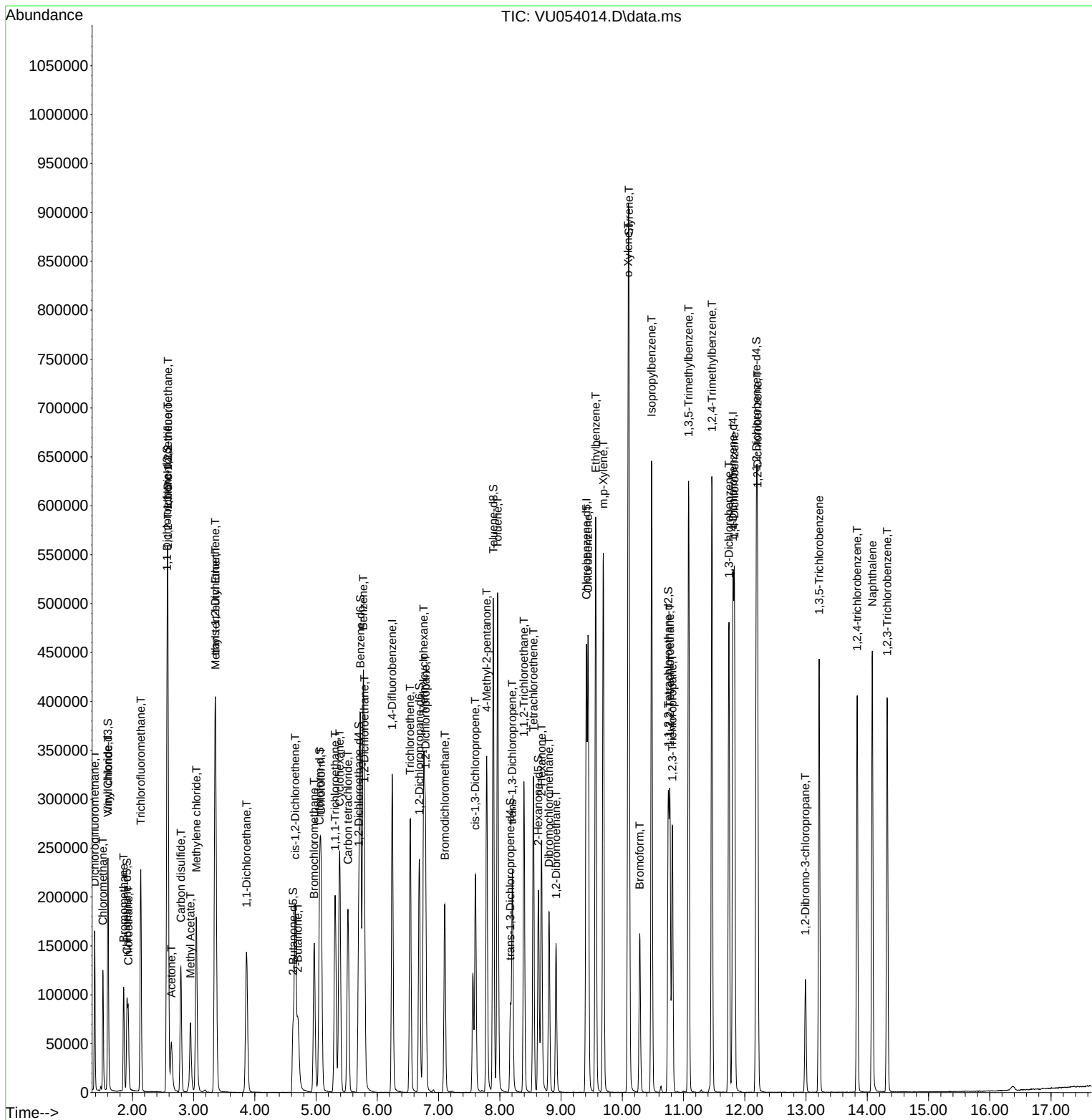
Instrument :
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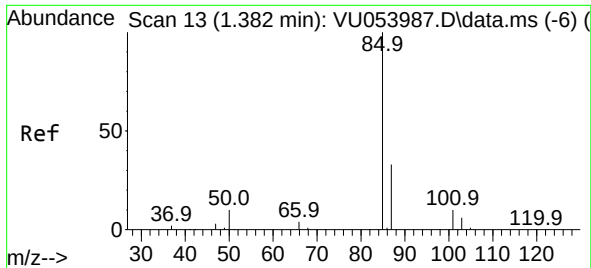
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 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:19:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	135773	49.435	ug/L	100
29) Cyclohexane	5.385	56	124855	48.769	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	152542	49.405	ug/L	100
31) Carbon tetrachloride	5.520	117	132621	50.347	ug/L	99
33) Benzene	5.771	78	358804	49.764	ug/L	100
34) Trichloroethene	6.536	95	93758	48.994	ug/L	98
35) Methylcyclohexane	6.758	83	130603	48.662	ug/L	99
37) 1,2-Dichloropropane	6.787	63	97320	47.709	ug/L	98
38) Bromodichloromethane	7.102	83	128647	50.058	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	138844	43.510	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	220817	92.889	ug/L	99
42) Toluene	7.964	91	374869	49.942	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	132988	43.852	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	98327	49.800	ug/L	96
46) Tetrachloroethene	8.549	164	73144	48.178	ug/L	99
48) 2-Hexanone	8.681	43	160089	84.975	ug/L	99
49) Dibromochloromethane	8.803	129	98107	50.425	ug/L	99
50) 1,2-Dibromoethane	8.919	107	99917	49.857	ug/L	94
51) Chlorobenzene	9.443	112	246015	49.002	ug/L	99
52) Ethylbenzene	9.565	91	417272	49.393	ug/L	100
53) m,p-Xylene	9.690	106	157516	49.654	ug/L	98
54) o-Xylene	10.095	106	154385	49.746	ug/L	99
55) Styrene	10.108	104	270037	50.729	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	147301	47.359	ug/L	100
59) Bromoform	10.285	173	72953	49.330	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	116695	47.560	ug/L	98
61) Isopropylbenzene	10.478	105	418140	50.146	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	339988	49.757	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	340207	50.514	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	200136	49.075	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	202088	48.656	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	200946	48.822	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	29119	46.518	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	142040	48.065	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	128814	48.081	ug/L	99
71) Naphthalene	14.082	128	363703	46.804	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	129735	48.680	ug/L	100

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

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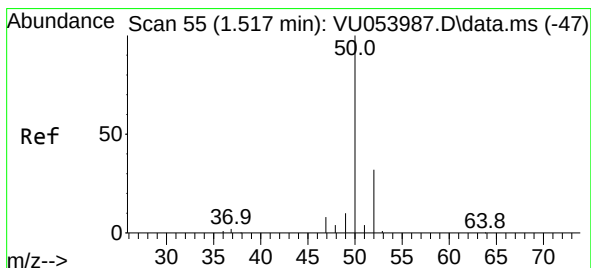
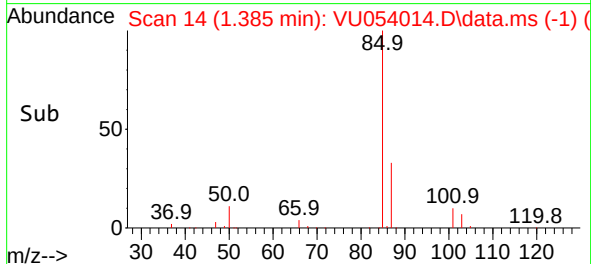
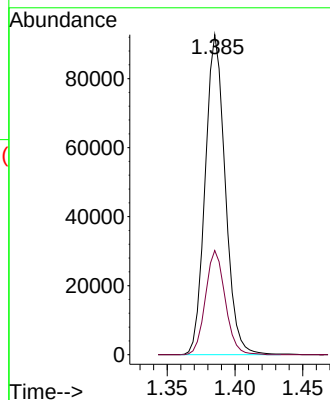
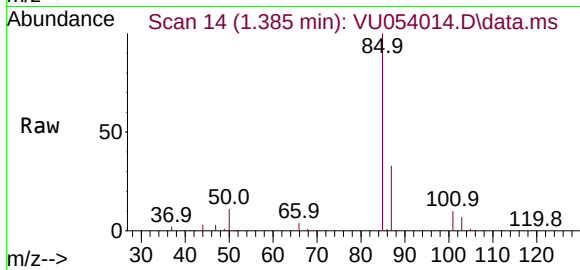




#2
Dichlorodifluoromethane
Concen: 49.832 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

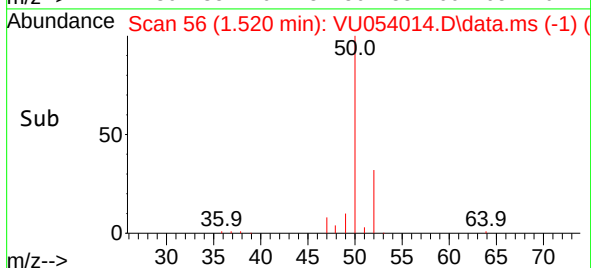
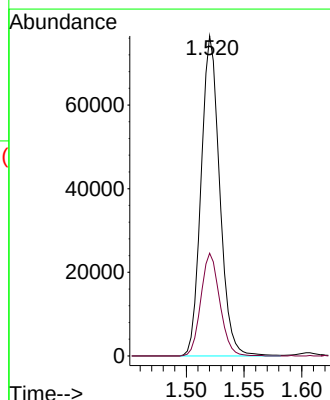
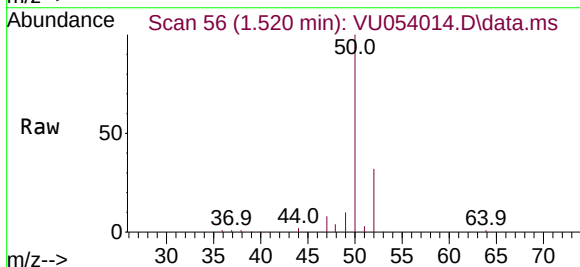
Instrument :
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VSTD050085

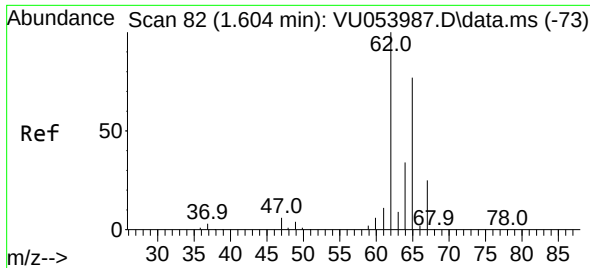
Tgt Ion: 85 Resp: 95528
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0



#3
Chloromethane
Concen: 48.527 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 50 Resp: 85496
Ion Ratio Lower Upper
50 100
52 32.1 22.4 41.6

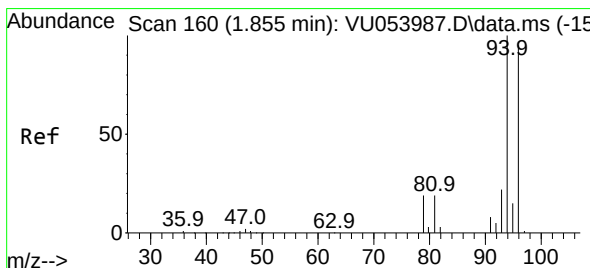
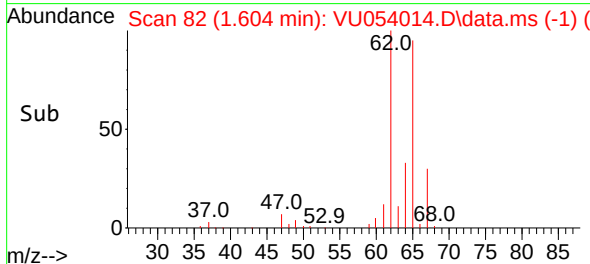
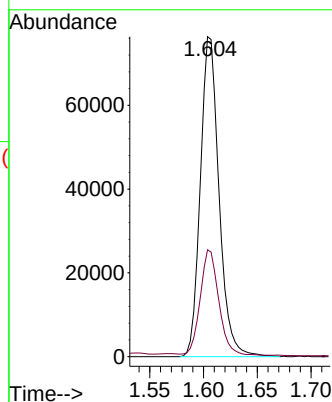
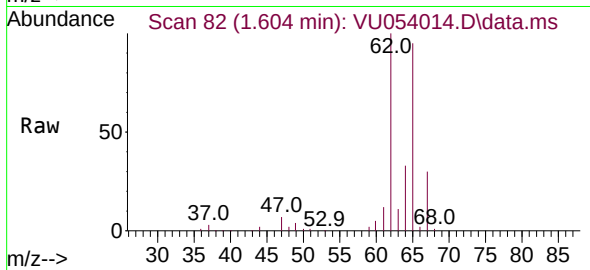




#5
 Vinyl chloride
 Concen: 49.256 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

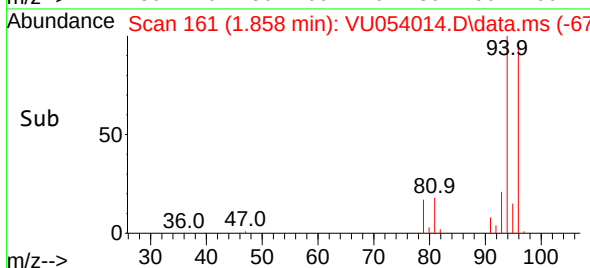
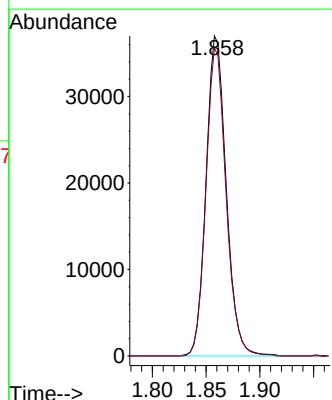
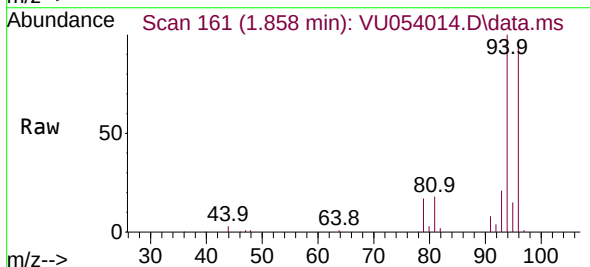
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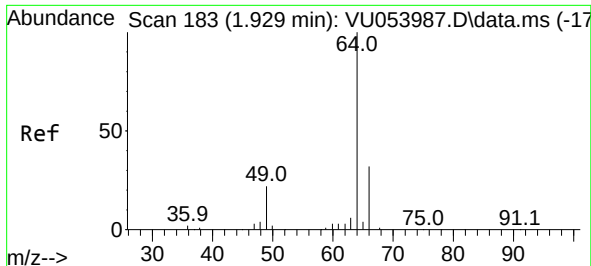
Tgt Ion: 62 Resp: 92301
 Ion Ratio Lower Upper
 62 100
 64 33.4 24.1 44.7



#6
 Bromomethane
 Concen: 46.366 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

Tgt Ion: 94 Resp: 48434
 Ion Ratio Lower Upper
 94 100
 96 96.3 63.9 118.7

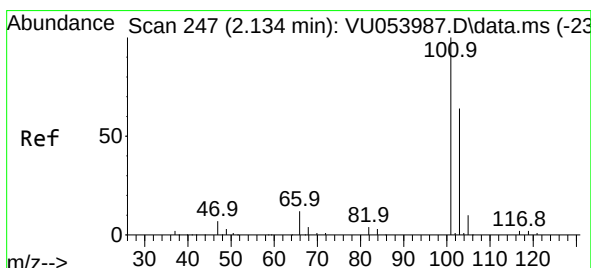
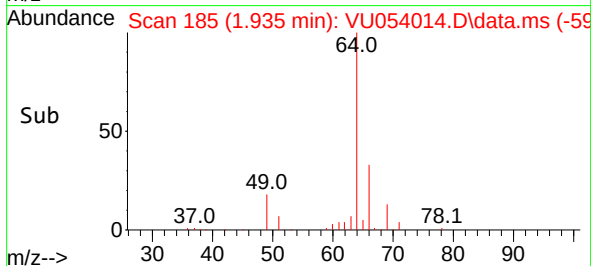
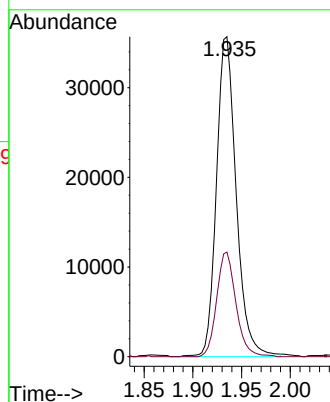
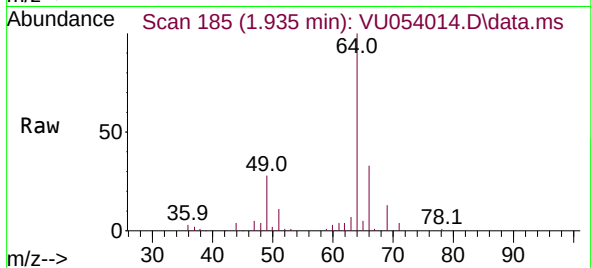




#8
Chloroethane
Concen: 49.251 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

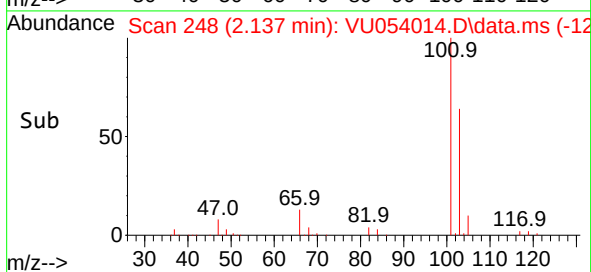
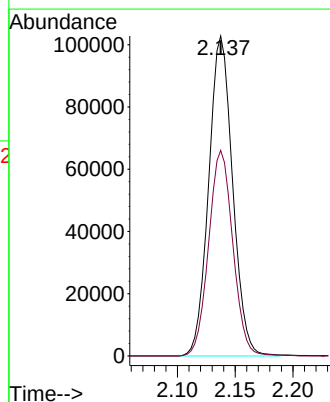
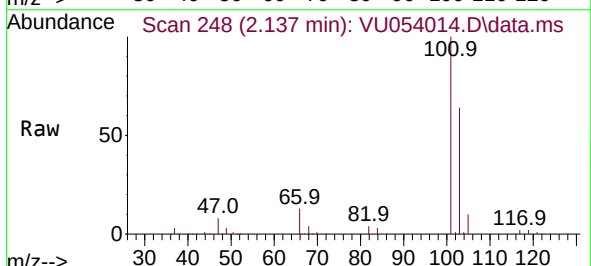
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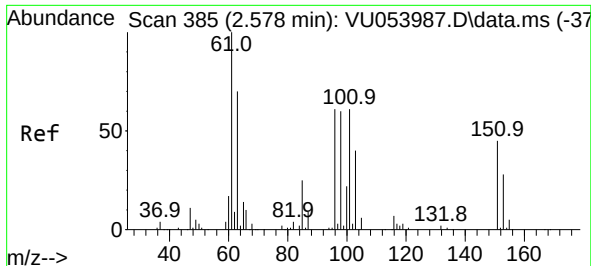
Tgt Ion: 64 Resp: 50293
Ion Ratio Lower Upper
64 100
66 32.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 49.824 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion:101 Resp: 148161
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.4

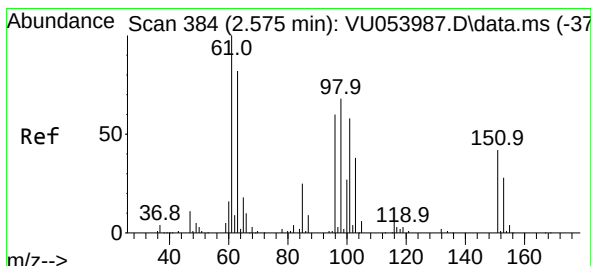
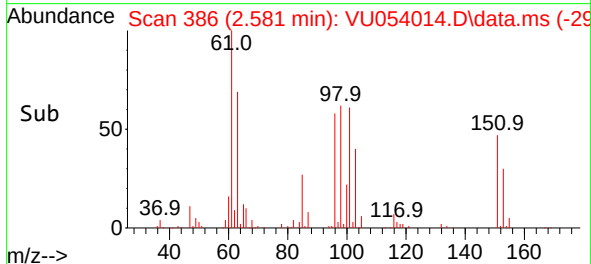
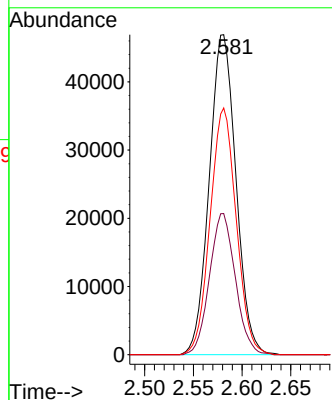
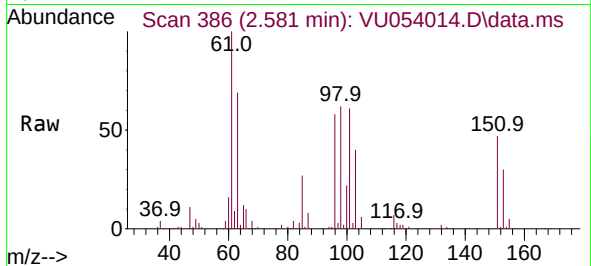




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.334 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

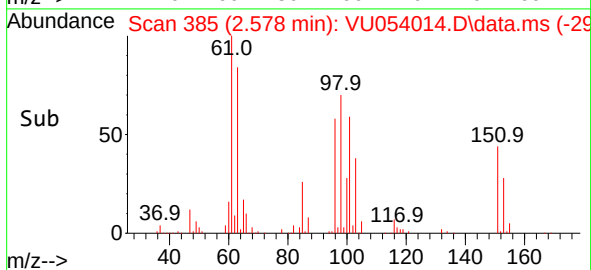
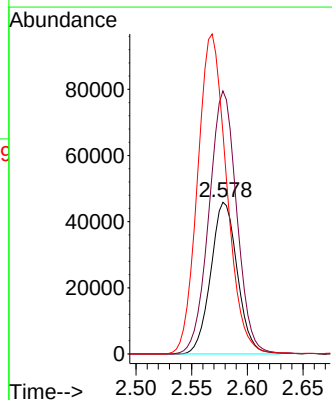
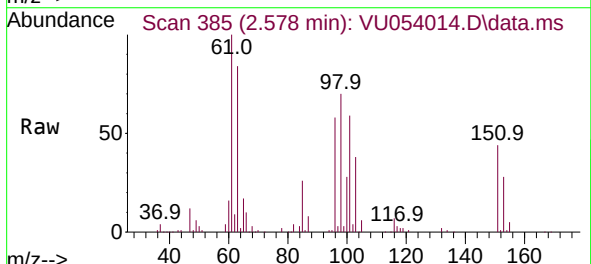
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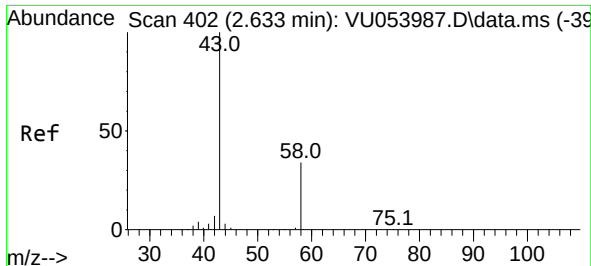
Tgt Ion:101 Resp: 89516
Ion Ratio Lower Upper
101 100
85 42.6 34.3 51.5
151 75.4 60.3 90.5



#12
1,1-Dichloroethene
Concen: 49.452 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 96 Resp: 76217
Ion Ratio Lower Upper
96 100
61 173.4 118.3 219.7
63 146.1 92.3 171.5





#13

Acetone

Concen: 62.883 ug/L

RT: 2.639 min Scan# 402

Delta R.T. 0.006 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

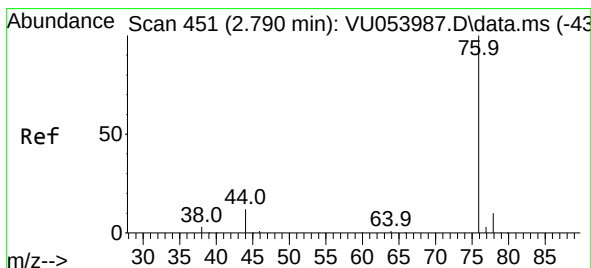
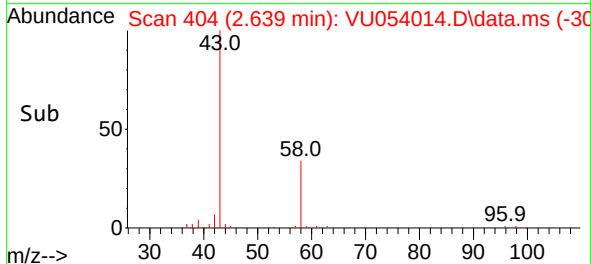
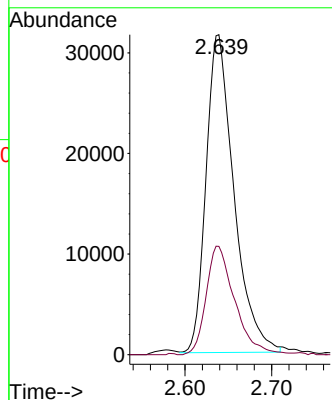
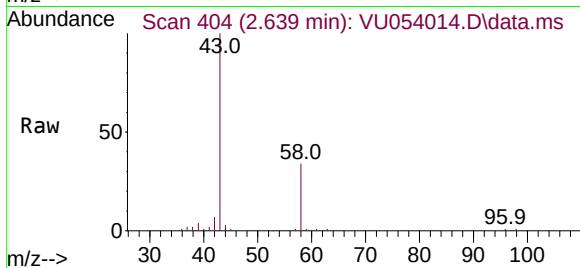
VSTD050085

Tgt Ion: 43 Resp: 70739

Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.4



#14

Carbon disulfide

Concen: 50.037 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU054014.D

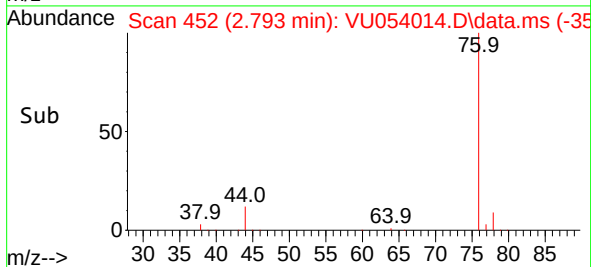
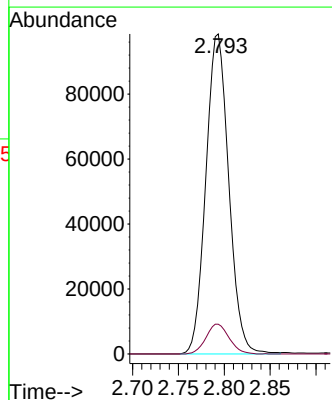
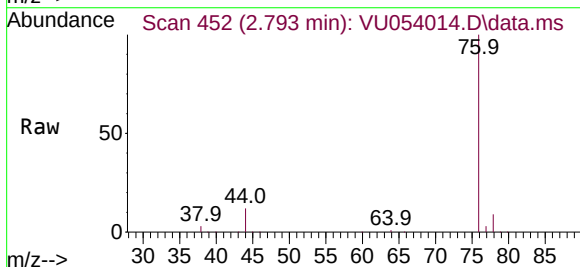
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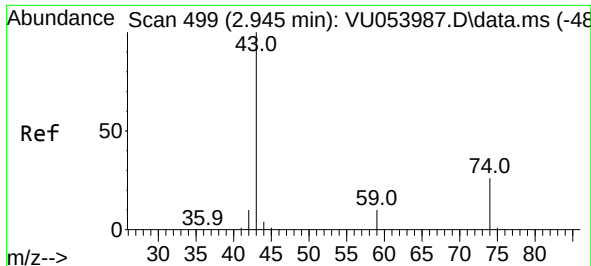
Tgt Ion: 76 Resp: 171164

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

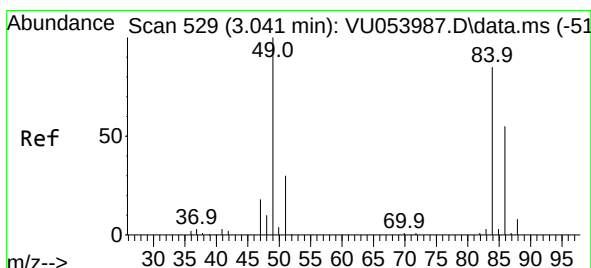
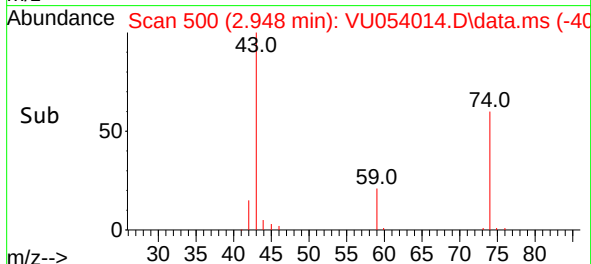
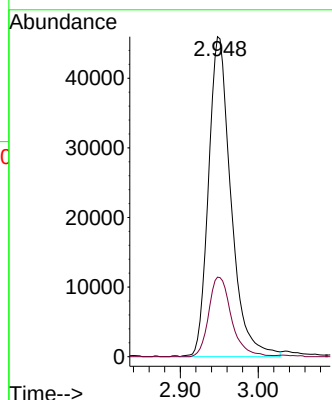
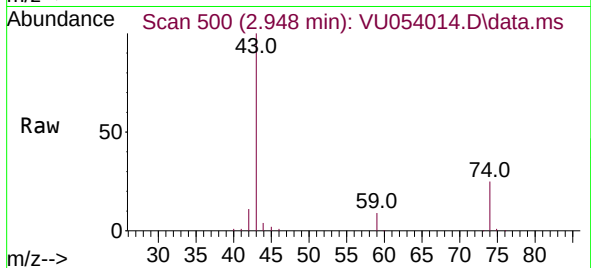




#15
Methyl Acetate
Concen: 52.346 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

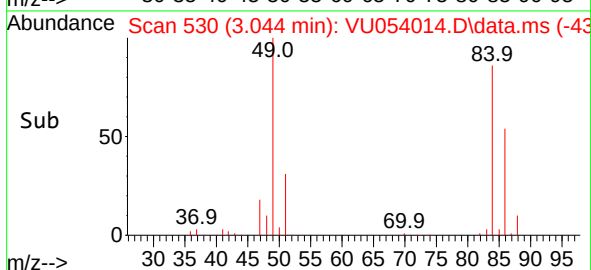
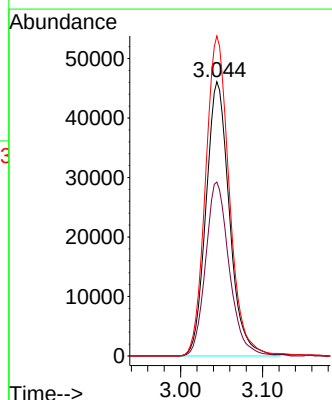
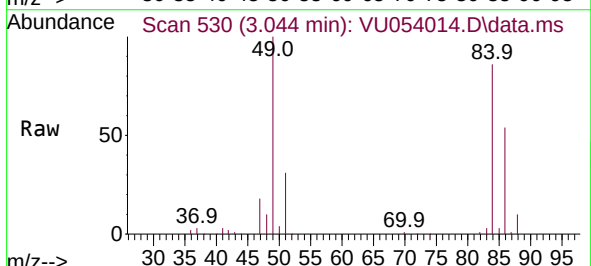
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

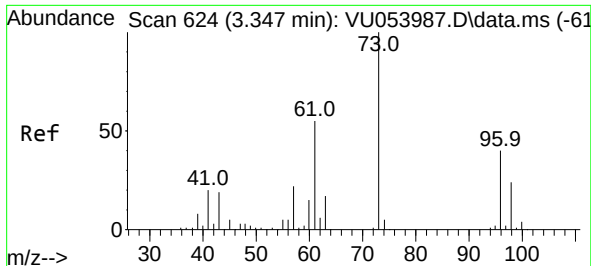
Tgt Ion: 43 Resp: 92220
Ion Ratio Lower Upper
43 100
74 25.2 21.2 31.8



#16
Methylene chloride
Concen: 47.075 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 84 Resp: 91504
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.2
49 116.7 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 48.540 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

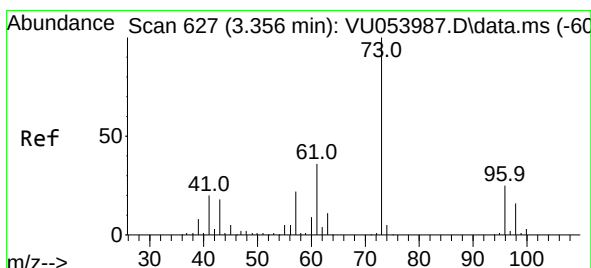
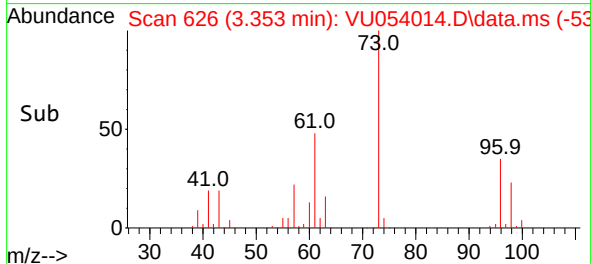
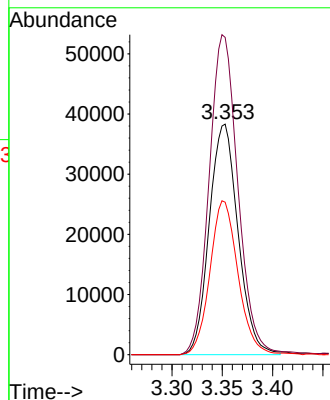
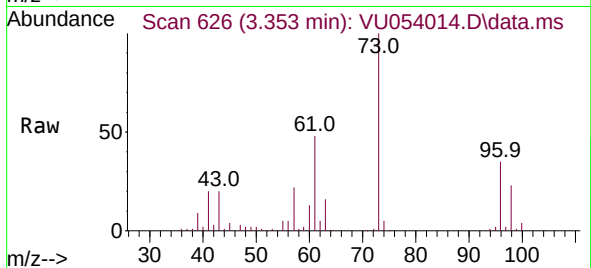
Tgt Ion: 96 Resp: 76498

Ion Ratio Lower Upper

96 100

61 137.6 97.5 181.1

98 66.1 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 48.541 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

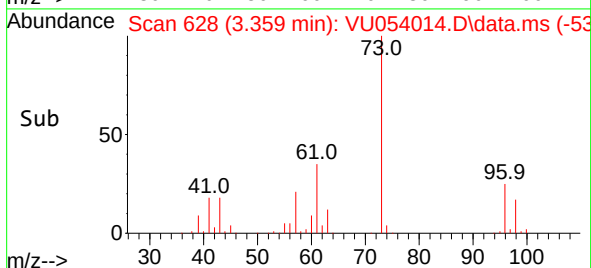
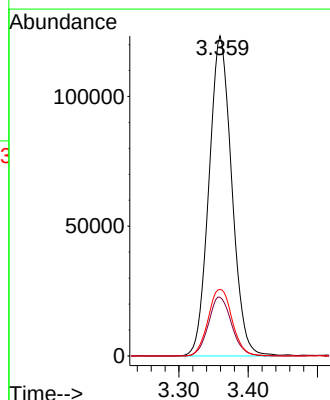
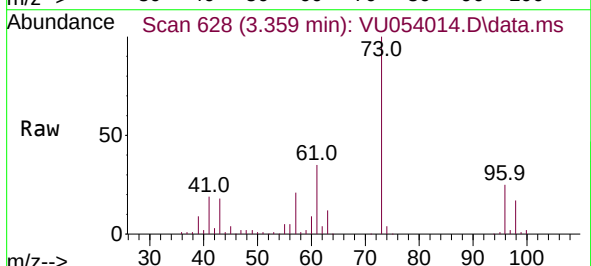
Tgt Ion: 73 Resp: 281236

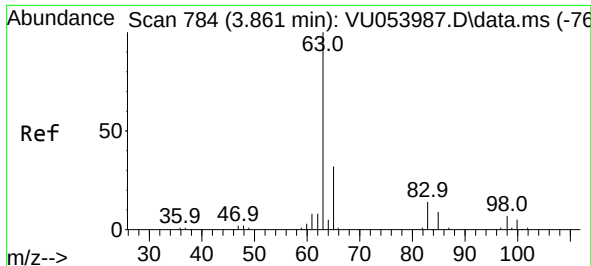
Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.0

57 22.0 18.0 27.0

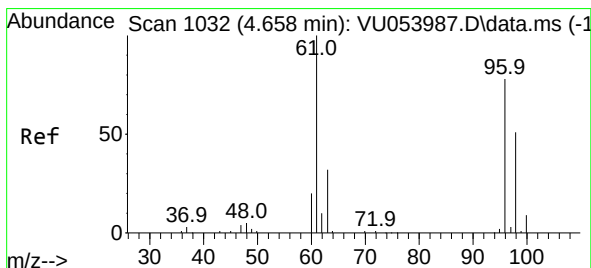
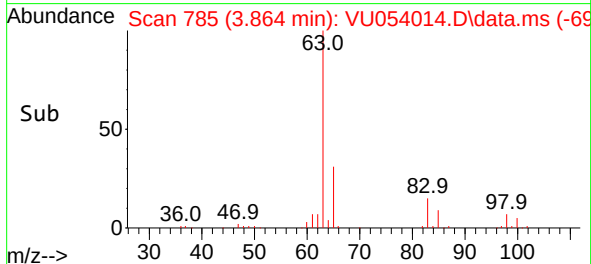
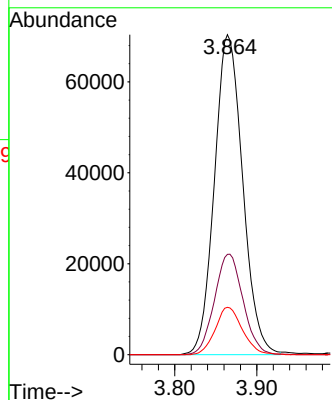
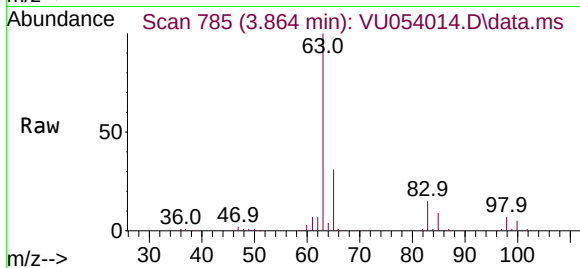




#19
1,1-Dichloroethane
Concen: 49.797 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

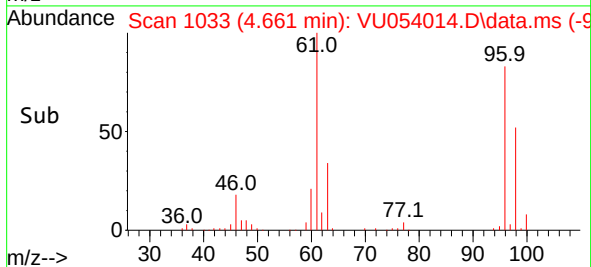
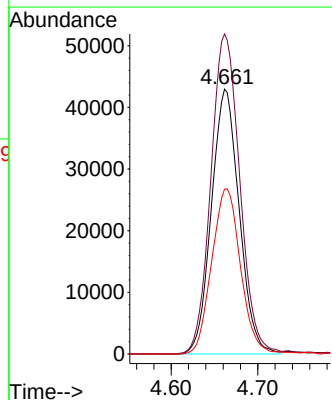
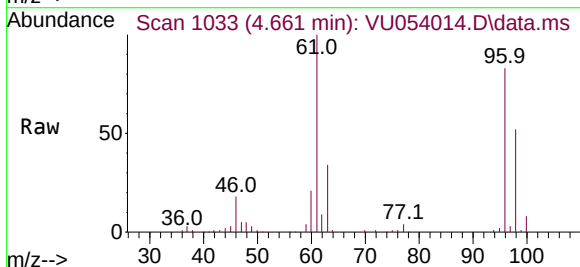
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

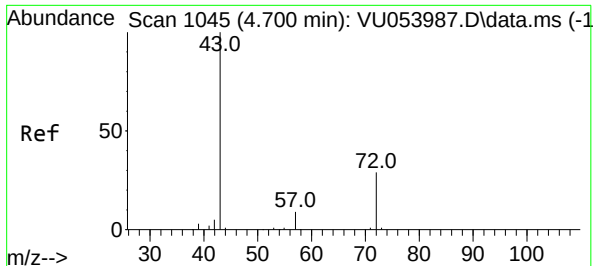
Tgt Ion: 63 Resp: 168499
Ion Ratio Lower Upper
63 100
65 31.3 22.0 40.8
83 14.8 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.467 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 96 Resp: 95801
Ion Ratio Lower Upper
96 100
61 120.9 90.9 168.9
98 62.3 45.7 84.9

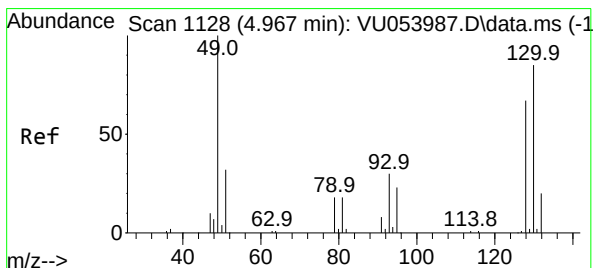
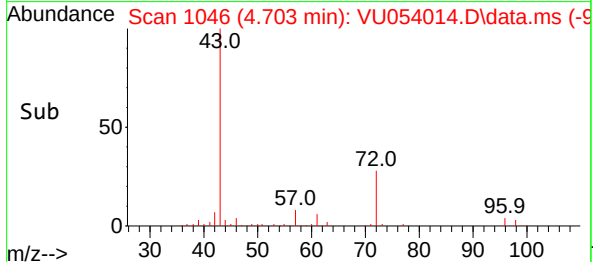
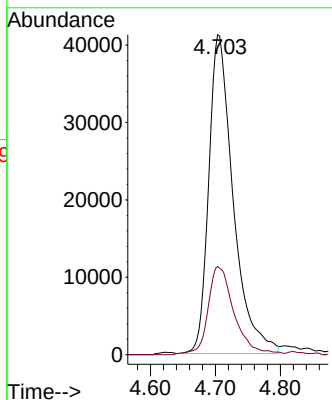
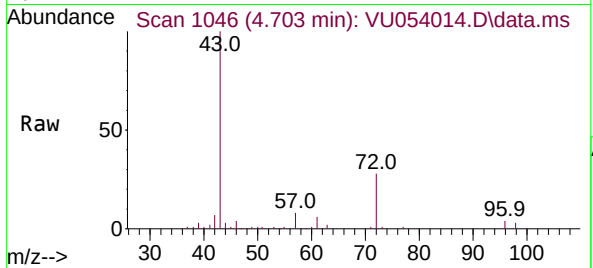




#22
2-Butanone
Concen: 81.326 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

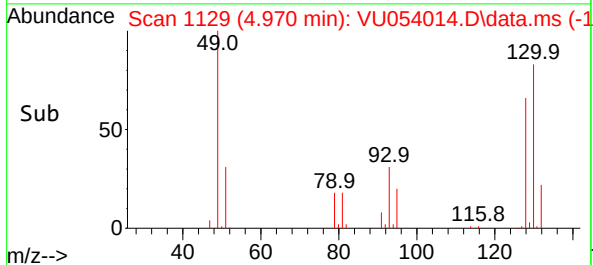
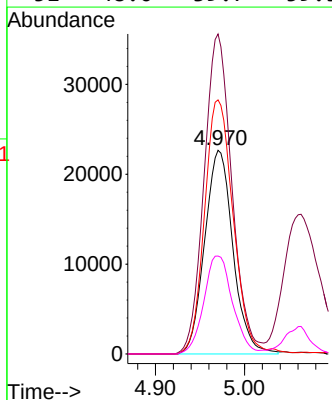
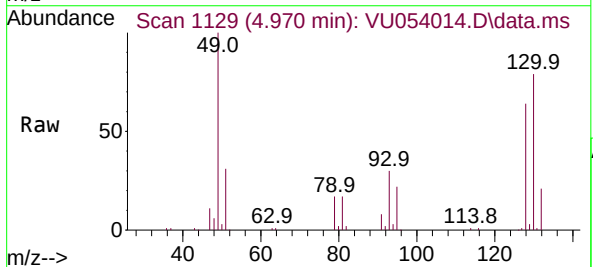
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

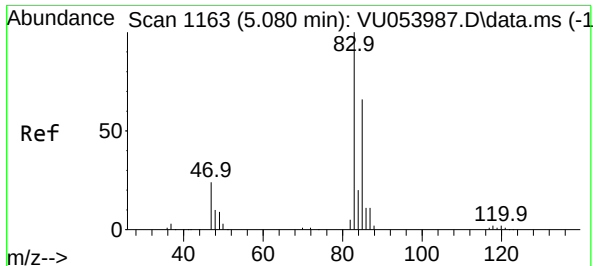
Tgt Ion: 43 Resp: 108012
Ion Ratio Lower Upper
43 100
72 28.8 14.0 41.9



#23
Bromochloromethane
Concen: 49.807 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 128 Resp: 50009
Ion Ratio Lower Upper
128 100
49 157.1 107.5 199.7
130 124.8 91.0 169.0
51 48.0 39.7 59.5





#25

Chloroform

Concen: 49.252 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

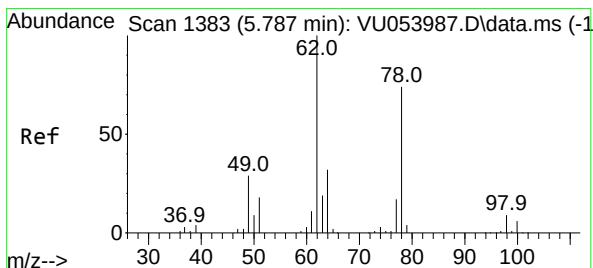
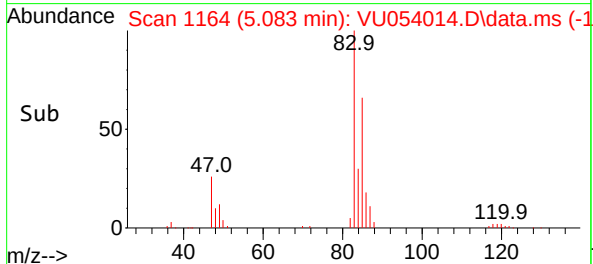
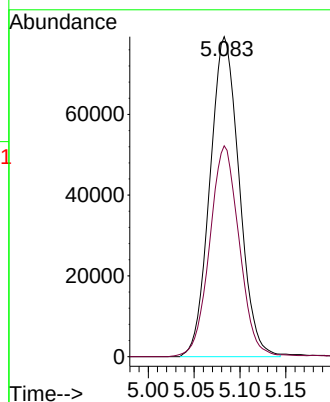
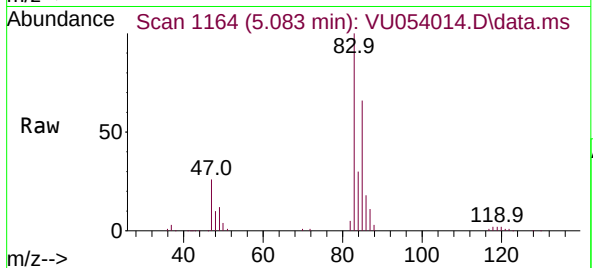
VSTD050085

Tgt Ion: 83 Resp: 175862

Ion Ratio Lower Upper

83 100

85 65.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 49.435 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU054014.D

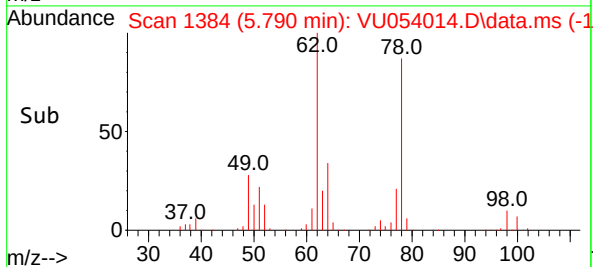
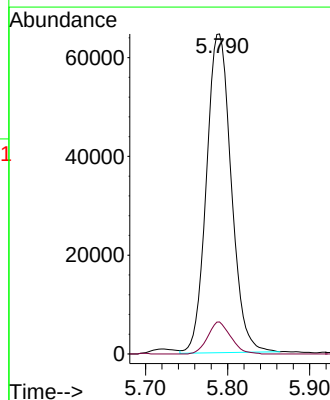
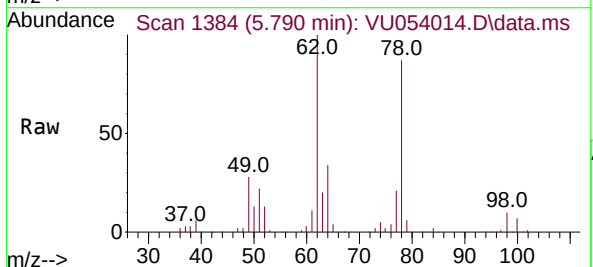
Acq: 01 May 2023 09:44

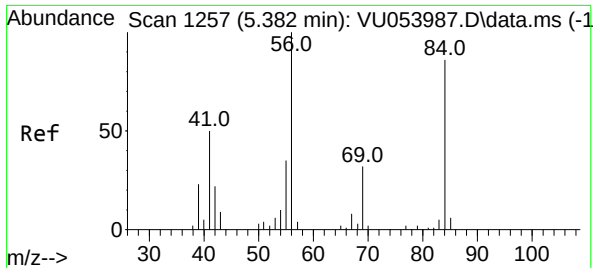
Tgt Ion: 62 Resp: 135773

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0

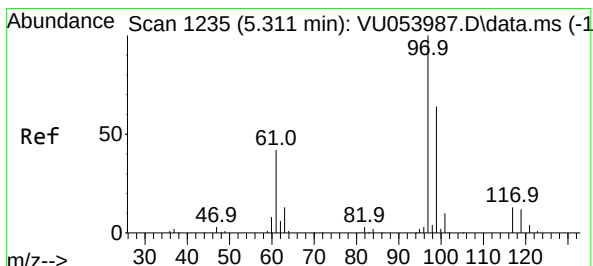
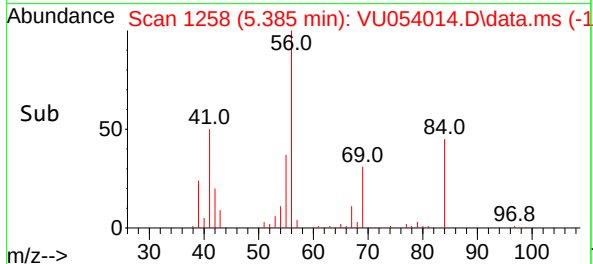
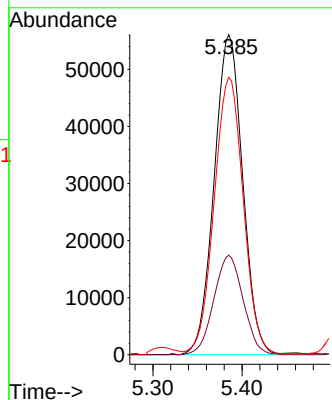
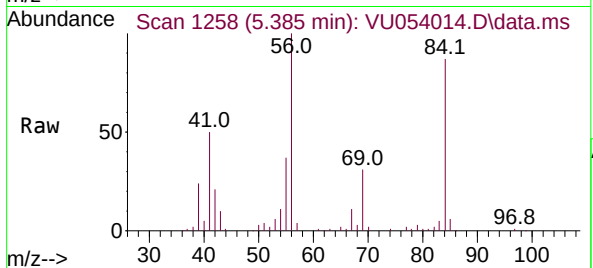




#29
Cyclohexane
Concen: 48.769 ug/L
RT: 5.385 min Scan# 1257
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

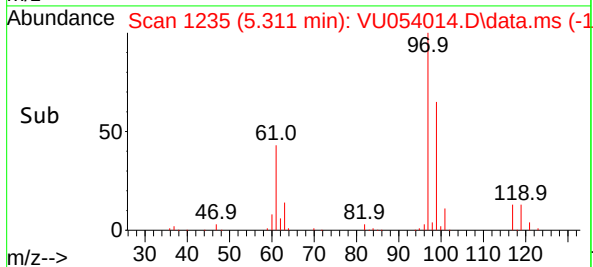
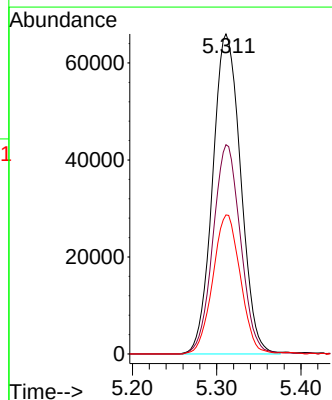
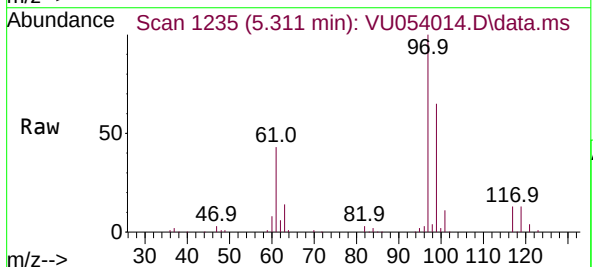
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

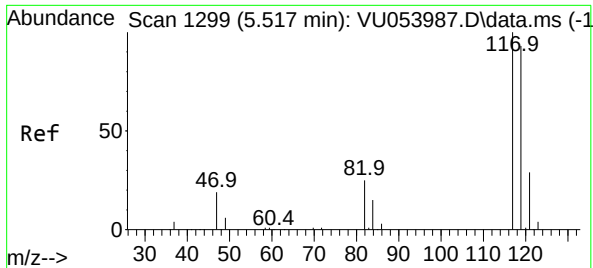
Tgt Ion: 56 Resp: 124855
Ion Ratio Lower Upper
56 100
69 31.8 25.8 38.6
84 88.1 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 49.405 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 97 Resp: 152542
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 42.7 34.2 51.4

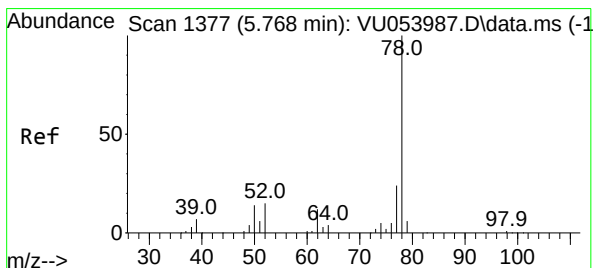
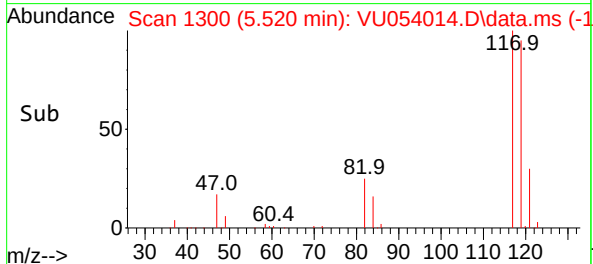
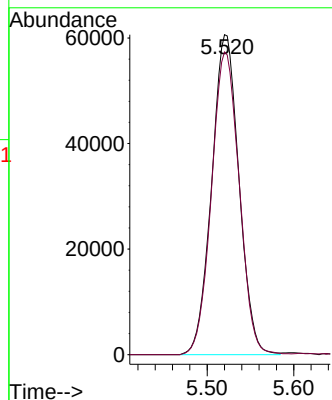
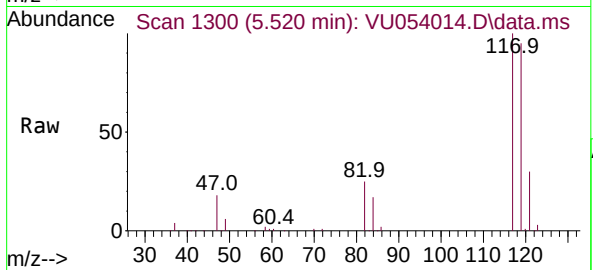




#31
Carbon tetrachloride
Concen: 50.347 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

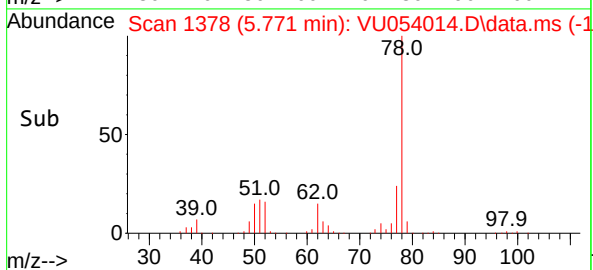
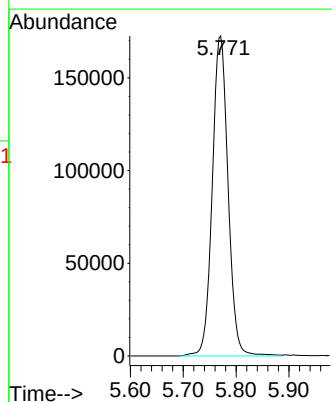
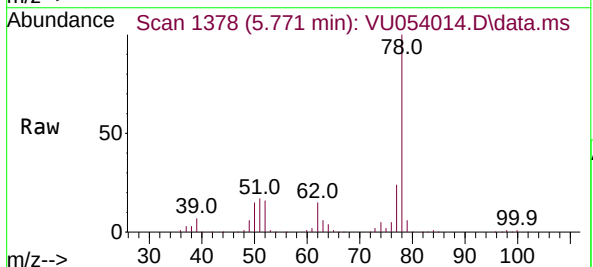
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

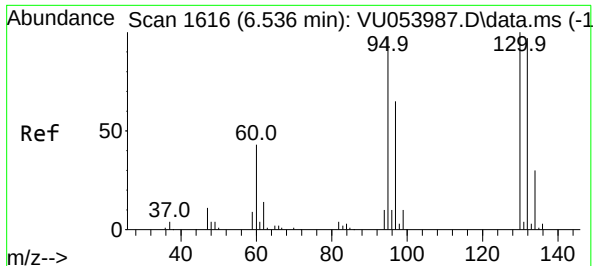
Tgt Ion:117 Resp: 132621
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.6



#33
Benzene
Concen: 49.764 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 78 Resp: 358804





#34

Trichloroethene

Concen: 48.994 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

Tgt Ion: 95 Resp: 93758

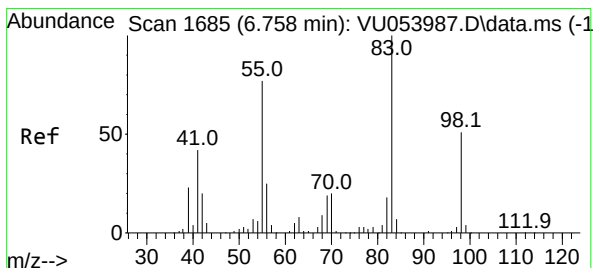
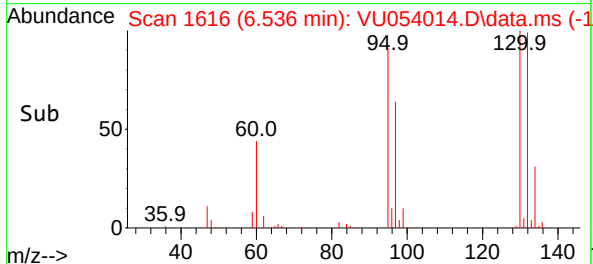
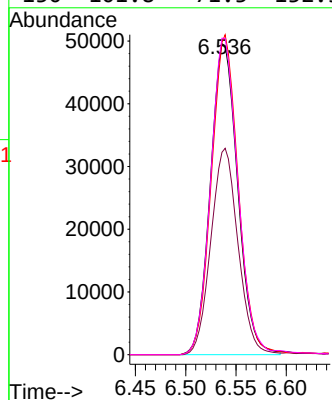
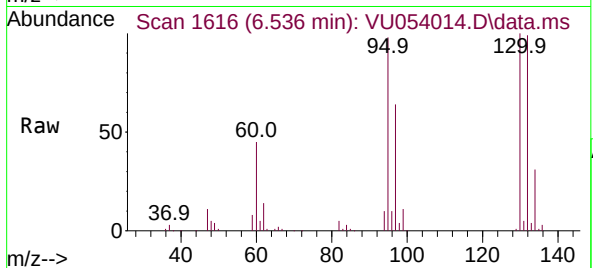
Ion Ratio Lower Upper

95 100

97 65.1 46.5 86.3

132 100.5 67.8 126.0

130 101.8 71.3 132.3



#35

Methylcyclohexane

Concen: 48.662 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

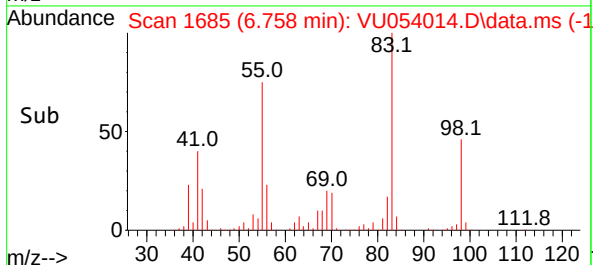
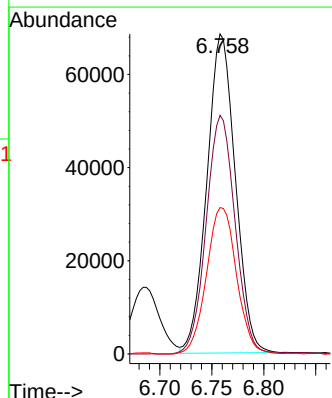
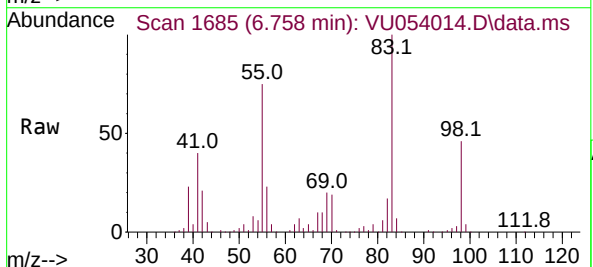
Tgt Ion: 83 Resp: 130603

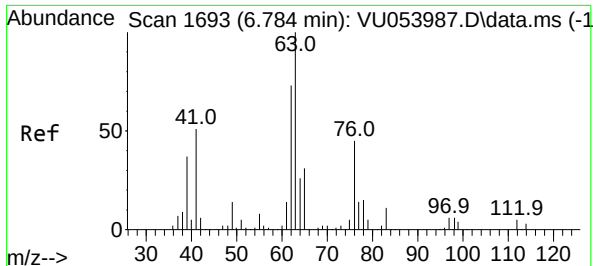
Ion Ratio Lower Upper

83 100

55 76.0 61.8 92.6

98 48.3 38.4 57.6





#37

1,2-Dichloropropane

Concen: 47.709 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

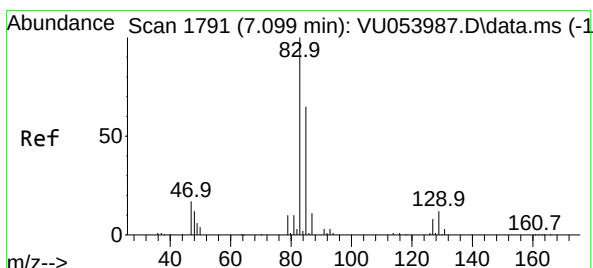
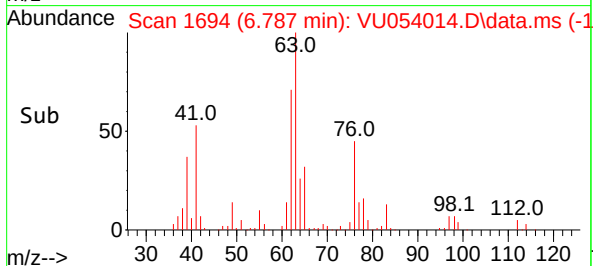
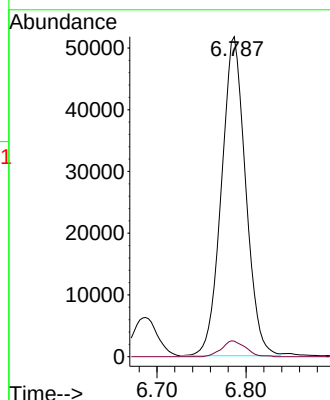
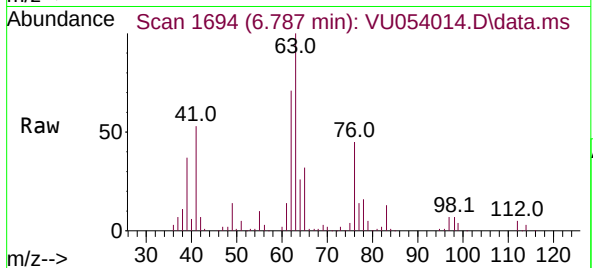
VSTD050085

Tgt Ion: 63 Resp: 97320

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



#38

Bromodichloromethane

Concen: 50.058 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

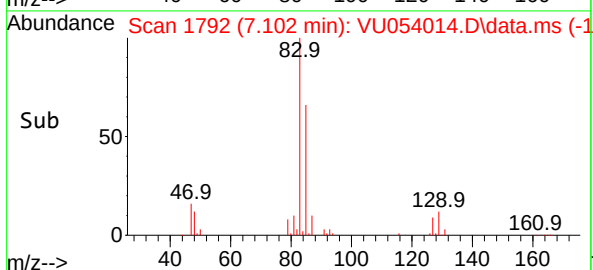
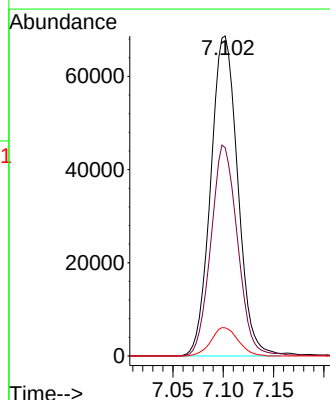
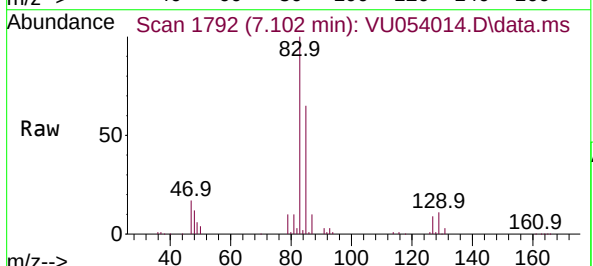
Tgt Ion: 83 Resp: 128647

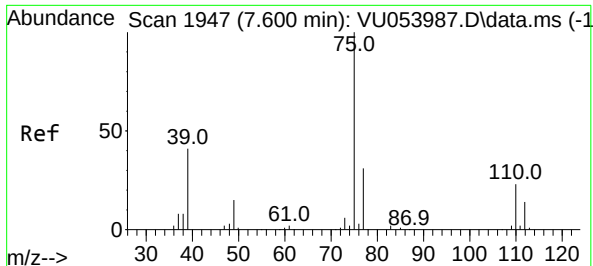
Ion Ratio Lower Upper

83 100

85 65.1 45.0 83.6

127 8.8 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 43.510 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

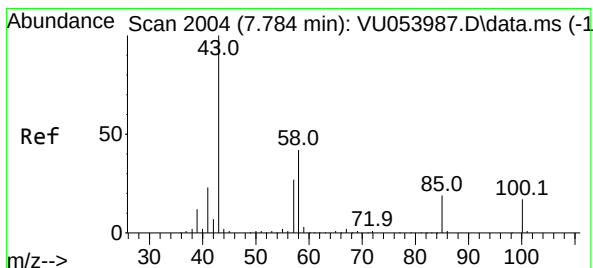
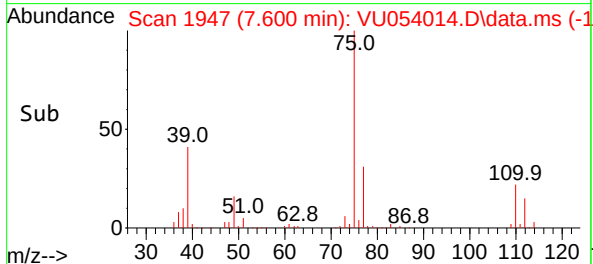
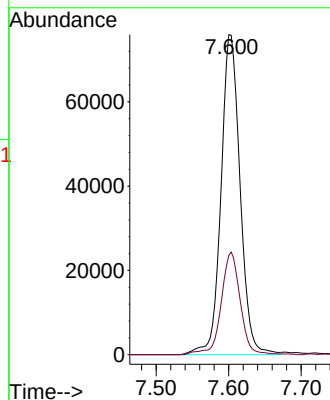
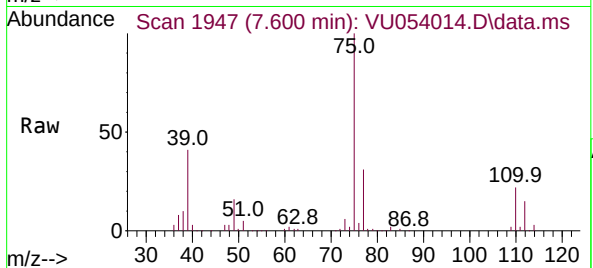
VSTD050085

Tgt Ion: 75 Resp: 138844

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 92.889 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

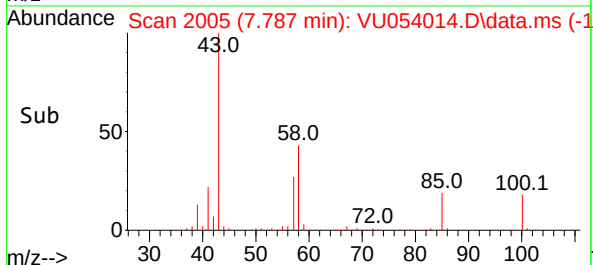
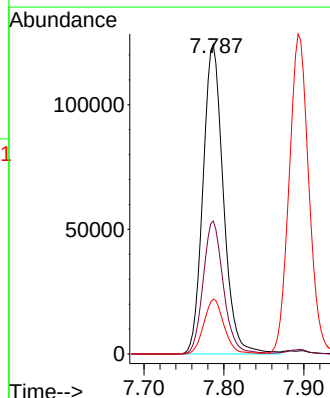
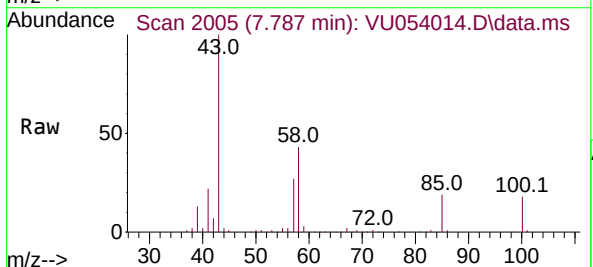
Tgt Ion: 43 Resp: 220817

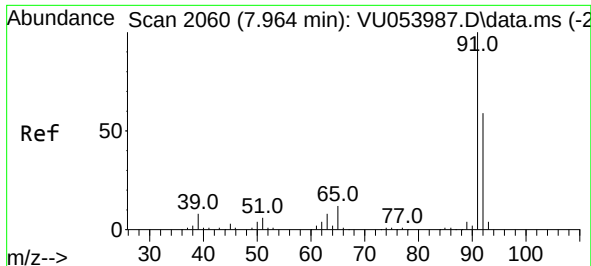
Ion Ratio Lower Upper

43 100

58 42.8 34.5 51.7

100 17.6 13.8 20.6





#42

Toluene

Concen: 49.942 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

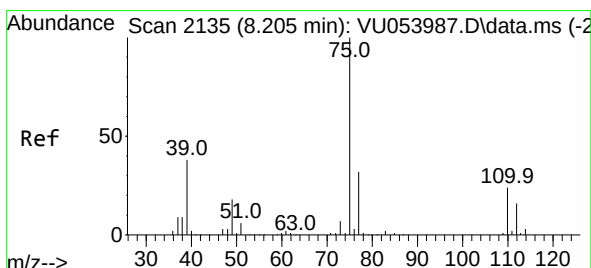
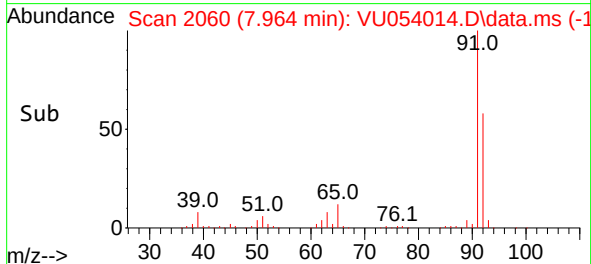
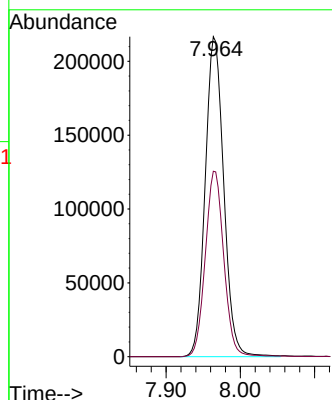
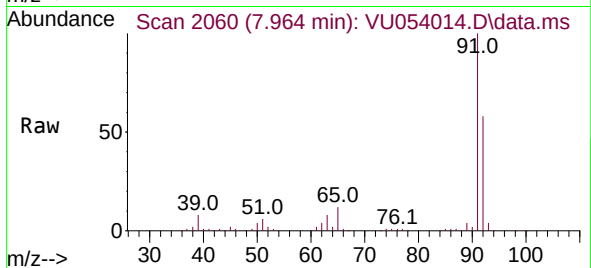
VSTD050085

Tgt Ion: 91 Resp: 374869

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 43.852 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054014.D

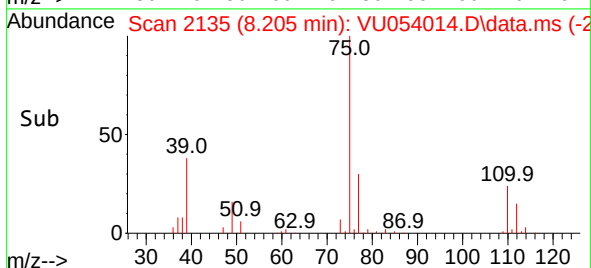
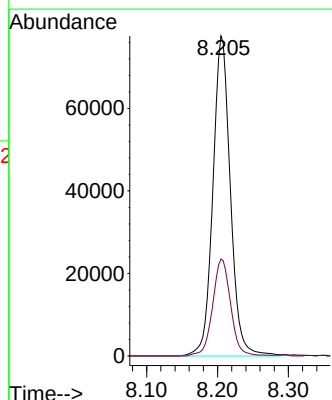
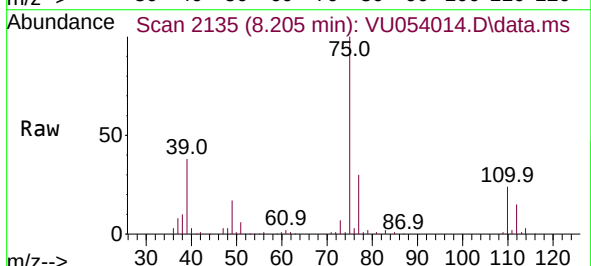
Acq: 01 May 2023 09:44

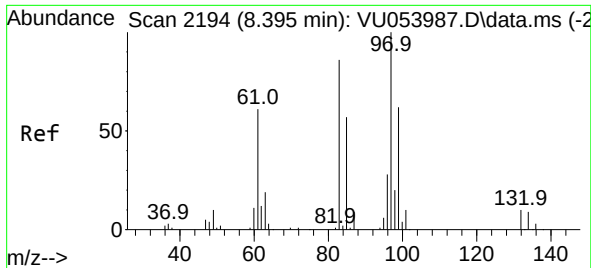
Tgt Ion: 75 Resp: 132988

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7

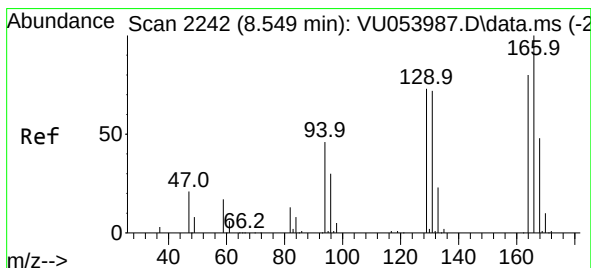
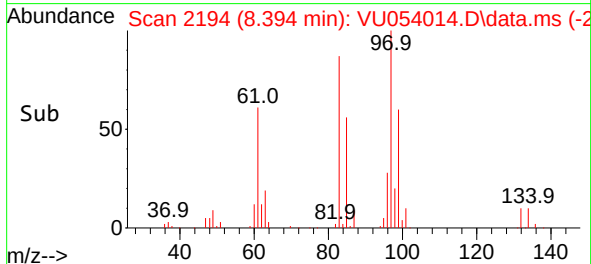
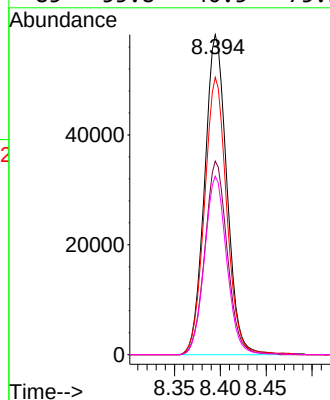
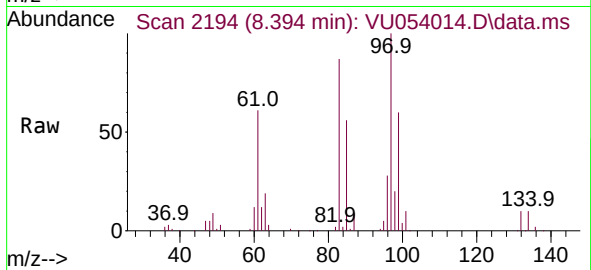




#45
1,1,2-Trichloroethane
Concen: 49.800 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

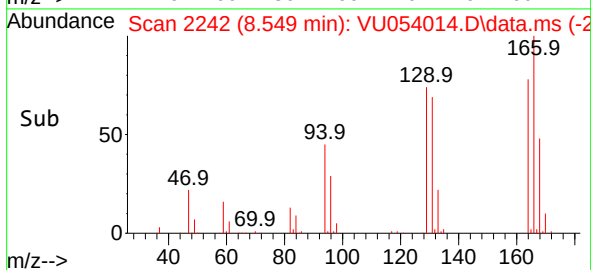
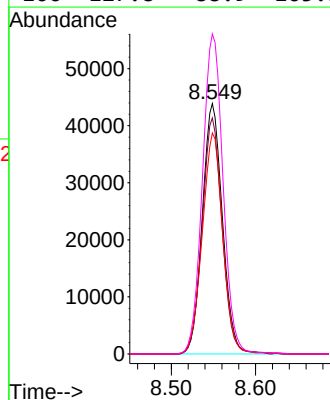
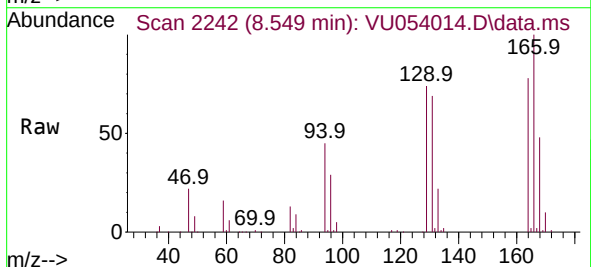
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

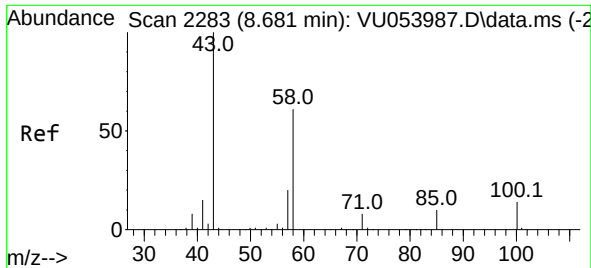
Tgt Ion:	97	Resp:	98327
Ion	Ratio	Lower	Upper
97	100		
99	60.5	46.2	85.8
83	86.7	62.7	116.5
85	55.8	40.5	75.1



#46
Tetrachloroethene
Concen: 48.178 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion:	164	Resp:	73144
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.6	121.8
131	88.3	63.8	118.4
166	127.8	88.9	165.1

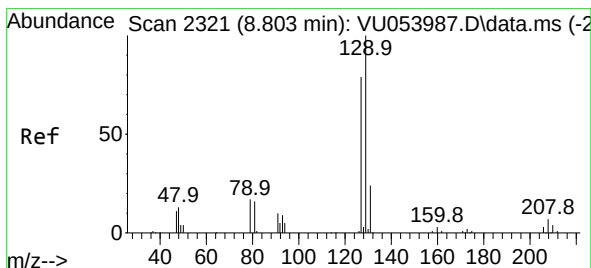
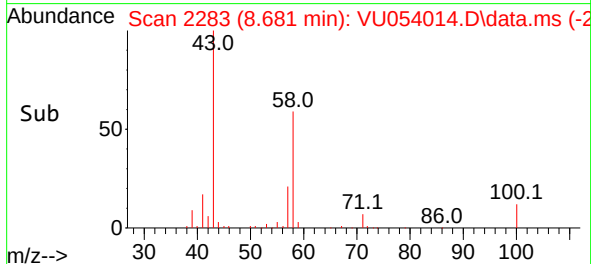
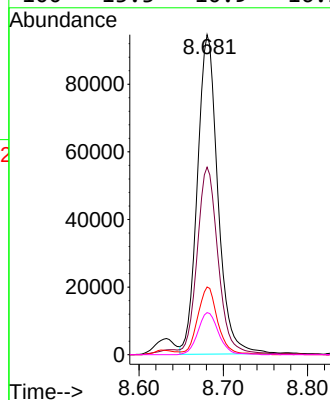
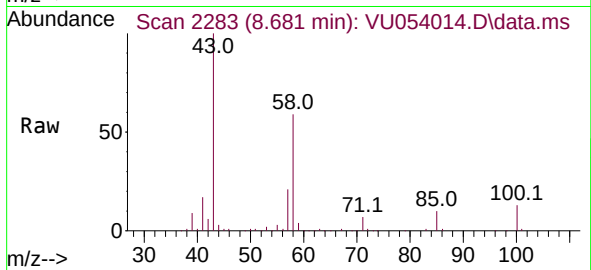




#48
2-Hexanone
Concen: 84.975 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

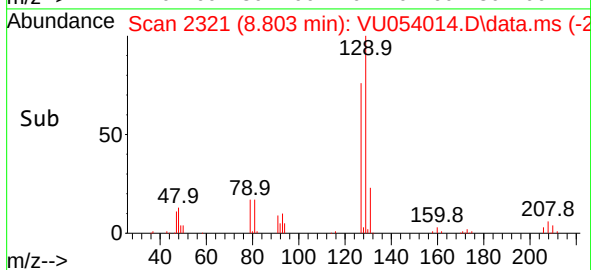
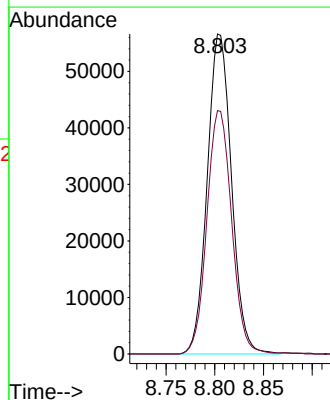
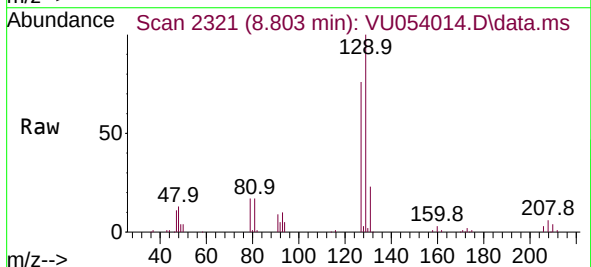
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

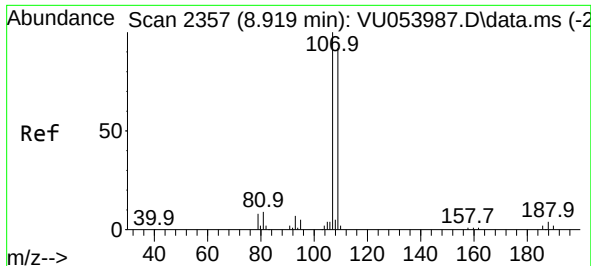
Tgt Ion:	43	Resp:	160089
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.5	72.7
57	19.7	16.5	24.7
100	13.3	10.9	16.3



#49
Dibromochloromethane
Concen: 50.425 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion:	129	Resp:	98107
Ion	Ratio	Lower	Upper
129	100		
127	76.1	52.9	98.3





#50

1,2-Dibromoethane

Concen: 49.857 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

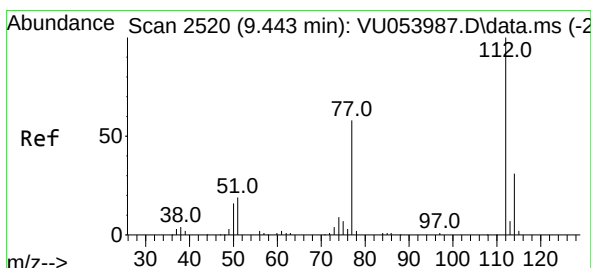
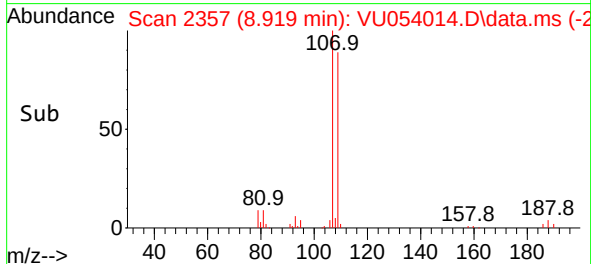
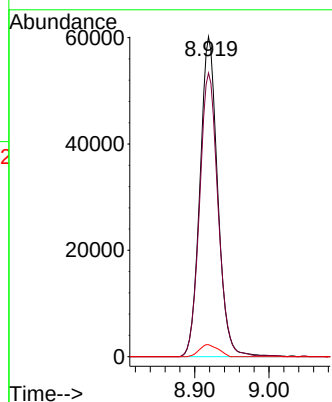
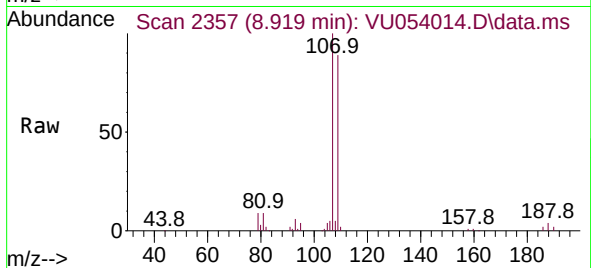
Tgt Ion:107 Resp: 99917

Ion Ratio Lower Upper

107 100

109 88.7 66.1 122.8

188 3.8 3.1 4.7



#51

Chlorobenzene

Concen: 49.002 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

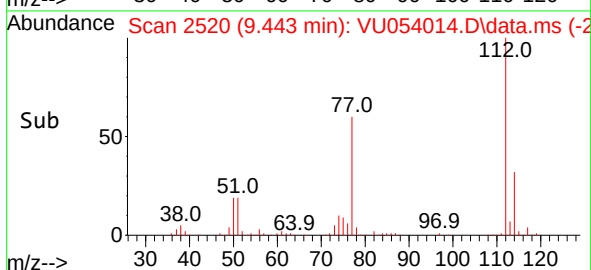
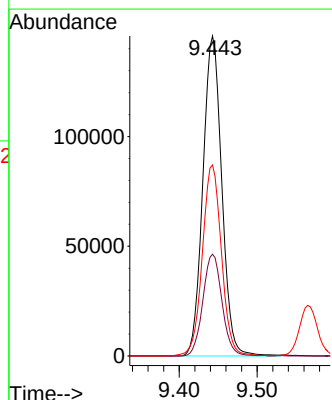
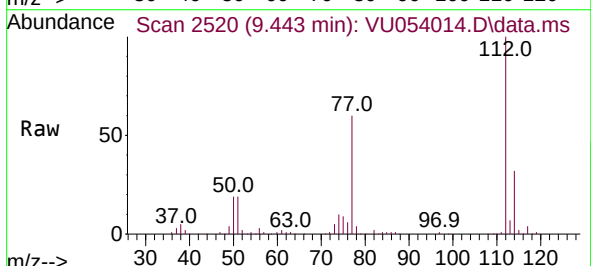
Tgt Ion:112 Resp: 246015

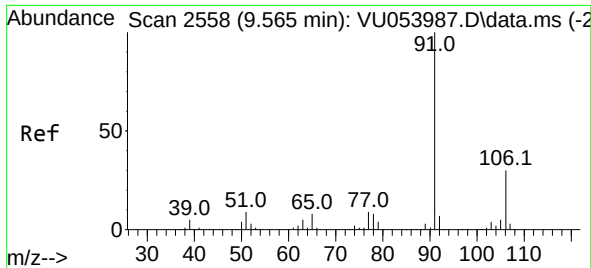
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 59.7 47.0 70.4

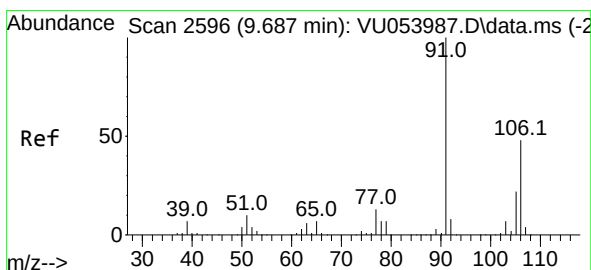
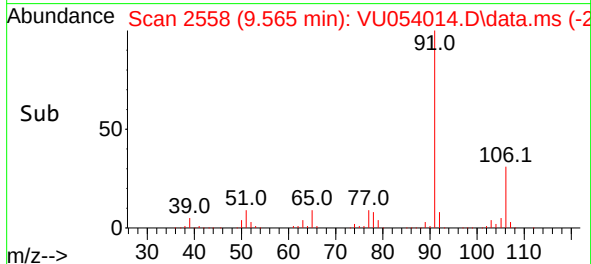
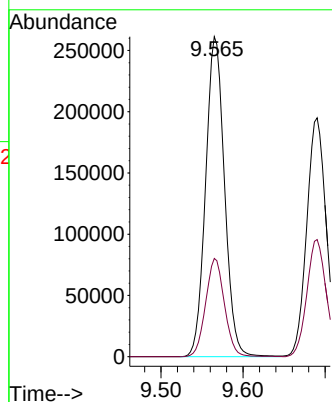
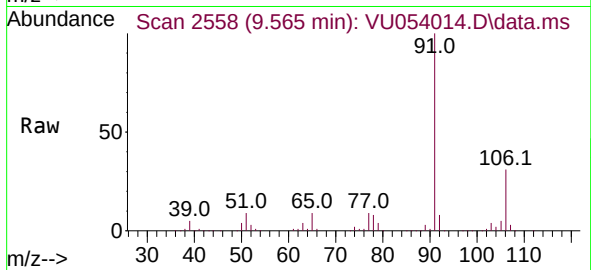




#52
Ethylbenzene
Concen: 49.393 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

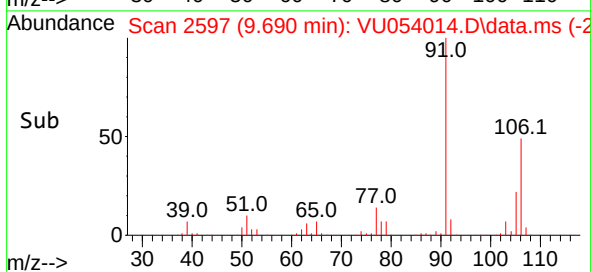
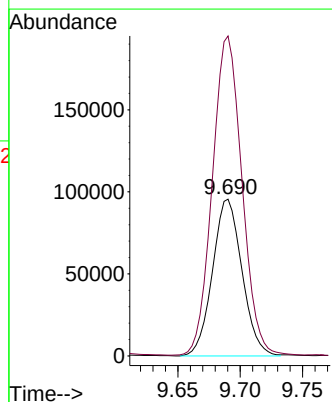
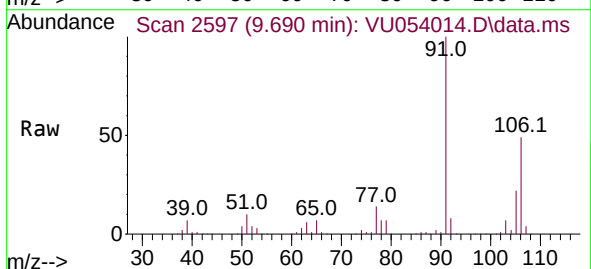
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

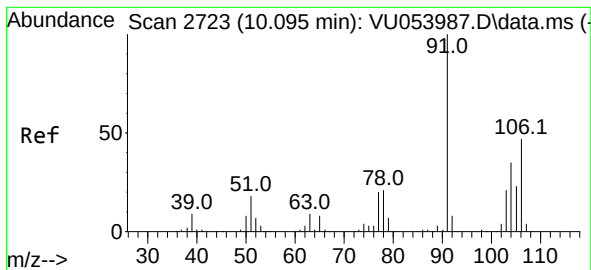
Tgt Ion: 91 Resp: 417272
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 49.654 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion:106 Resp: 157516
Ion Ratio Lower Upper
106 100
91 204.1 140.5 260.9





#54

o-Xylene

Concen: 49.746 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

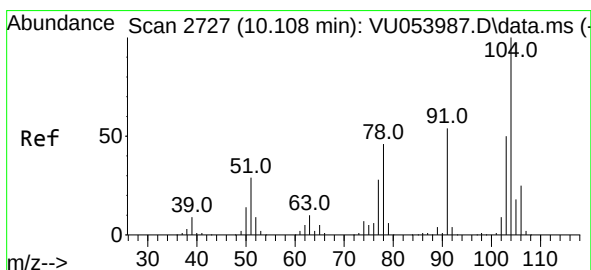
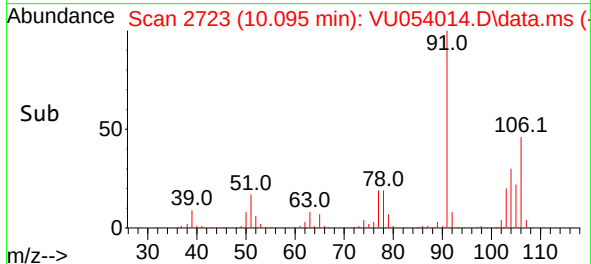
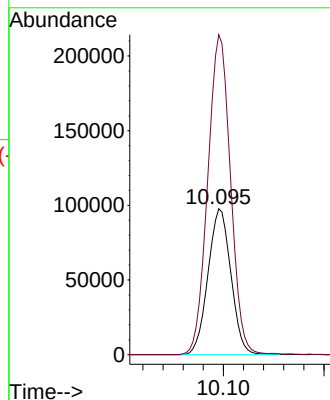
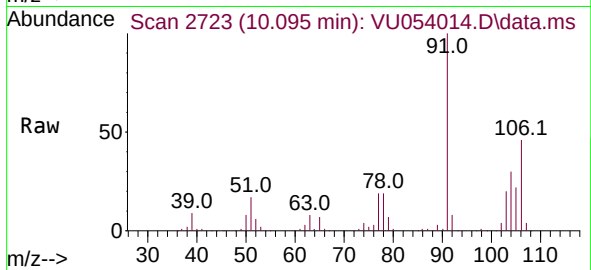
VSTD050085

Tgt Ion:106 Resp: 154385

Ion Ratio Lower Upper

106 100

91 219.4 154.9 287.7



#55

Styrene

Concen: 50.729 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054014.D

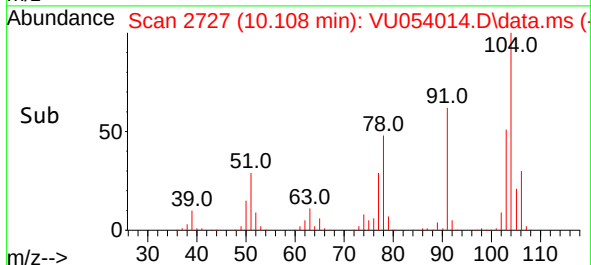
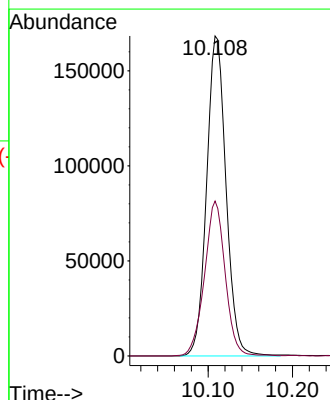
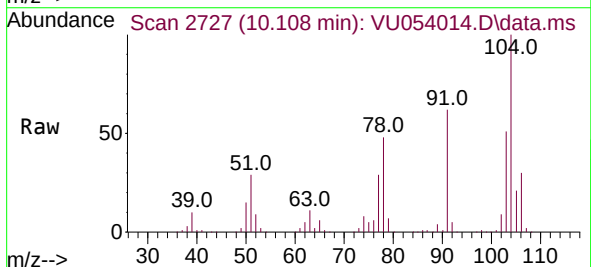
Acq: 01 May 2023 09:44

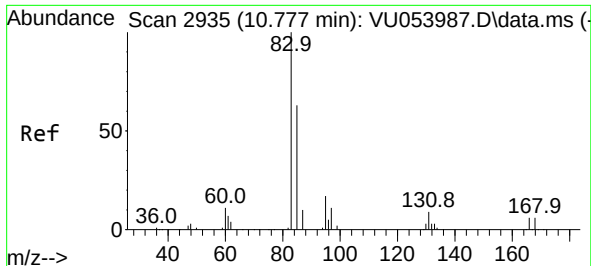
Tgt Ion:104 Resp: 270037

Ion Ratio Lower Upper

104 100

78 48.4 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 47.359 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

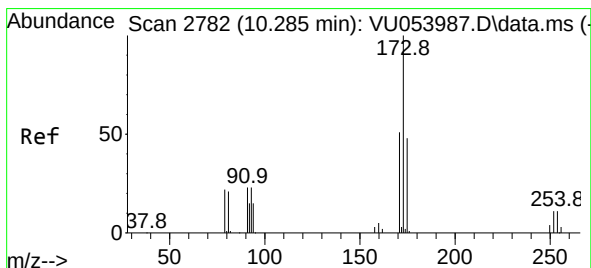
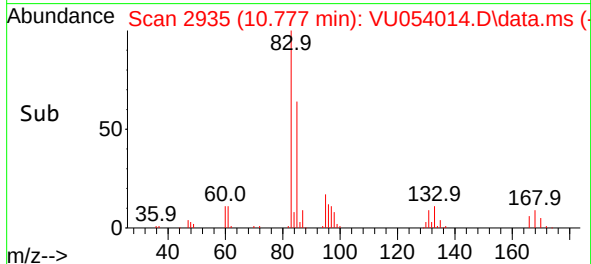
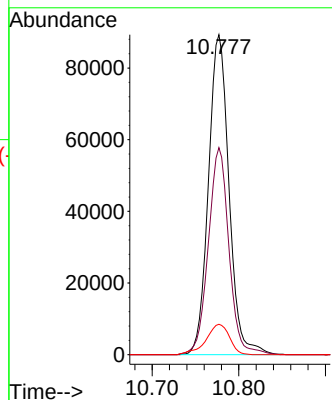
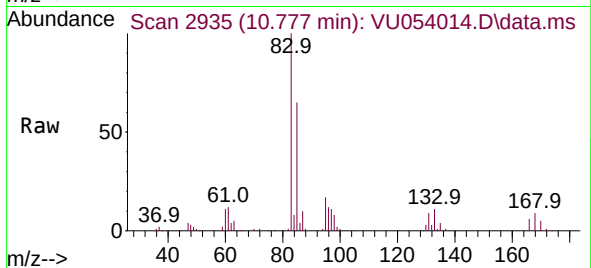
Tgt Ion: 83 Resp: 147301

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9

131 9.5 8.2 12.2



#59

Bromoform

Concen: 49.330 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

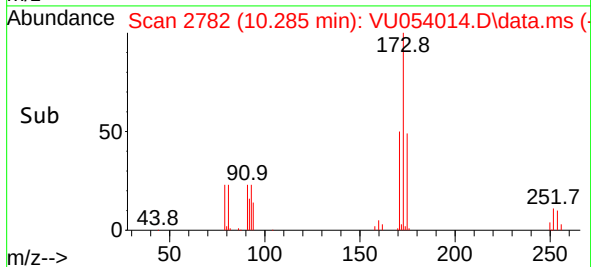
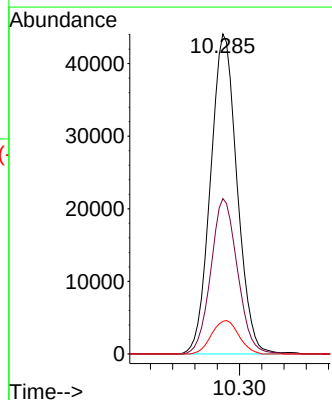
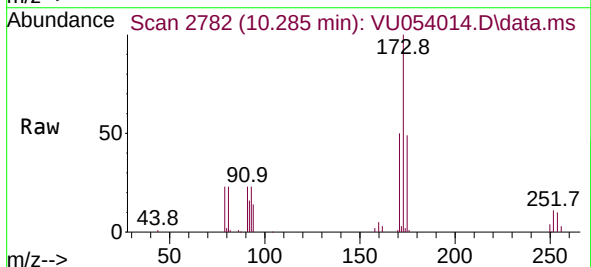
Tgt Ion:173 Resp: 72953

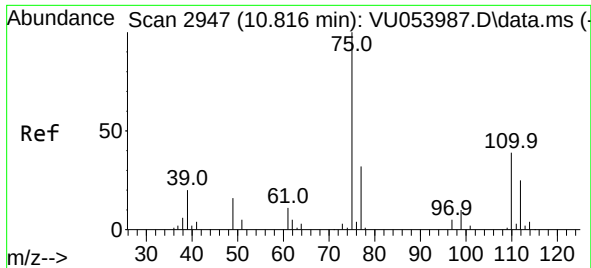
Ion Ratio Lower Upper

173 100

175 48.7 38.9 58.3

254 10.7 8.5 12.7

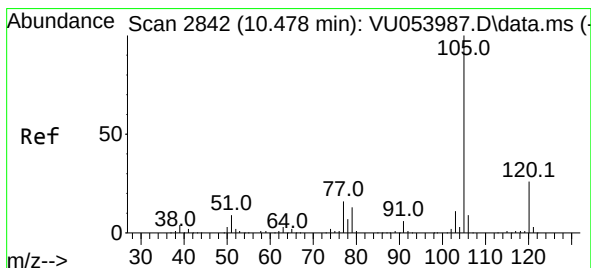
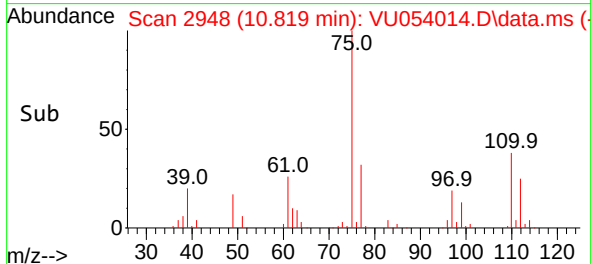
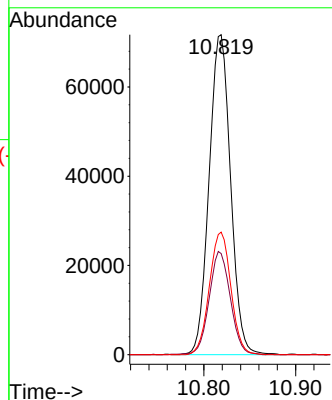
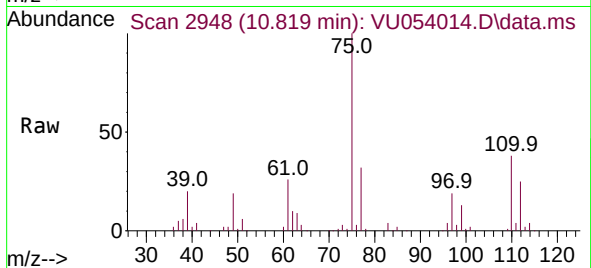




#60
1,2,3-Trichloropropane
Concen: 47.560 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

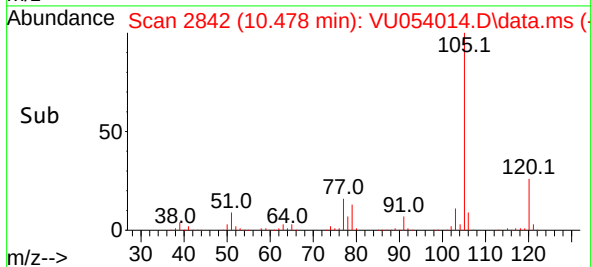
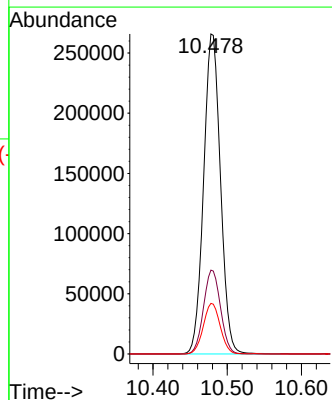
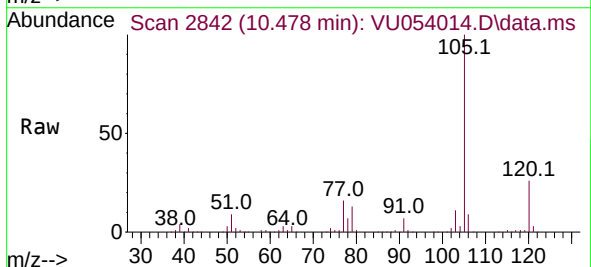
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

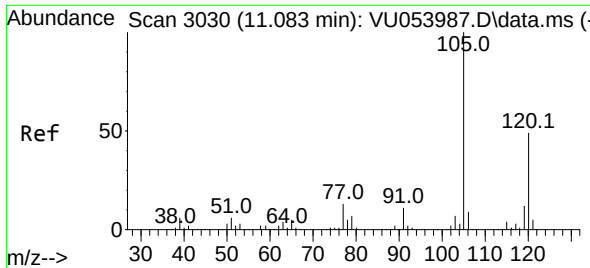
Tgt Ion: 75 Resp: 116695
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 38.3 31.8 47.8



#61
Isopropylbenzene
Concen: 50.146 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion: 105 Resp: 418140
Ion Ratio Lower Upper
105 100
120 26.4 21.3 31.9
77 15.9 12.7 19.1

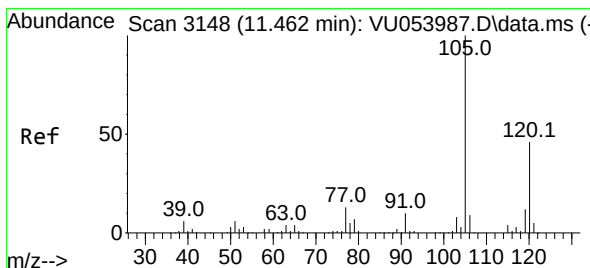
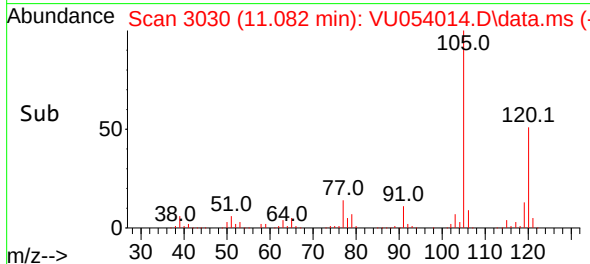
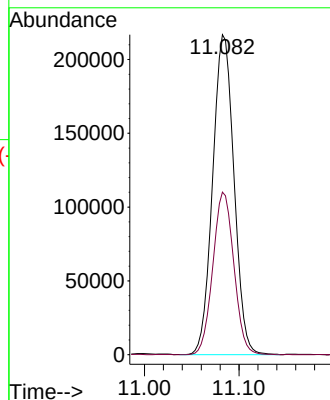
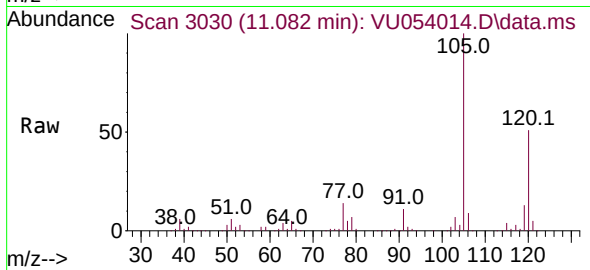




#62
 1,3,5-Trimethylbenzene
 Concen: 49.757 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

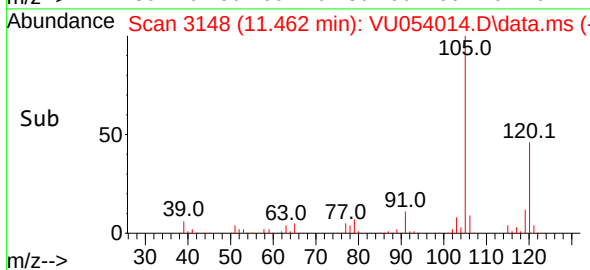
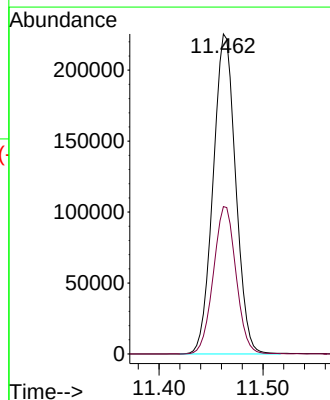
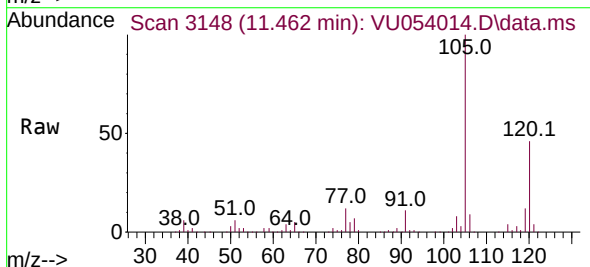
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

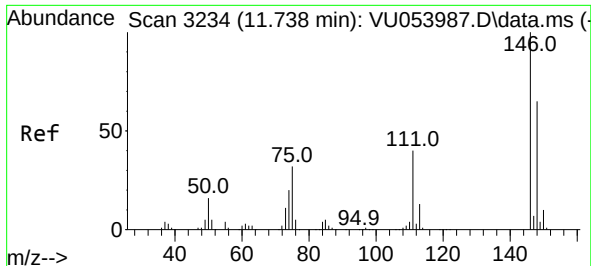
Tgt Ion:105 Resp: 339988
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 50.514 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.000 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

Tgt Ion:105 Resp: 340207
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.5 54.7

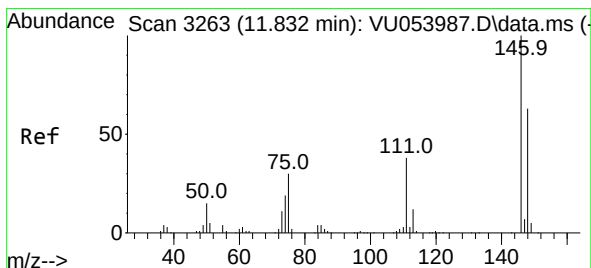
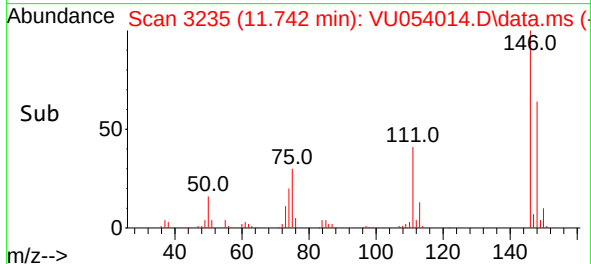
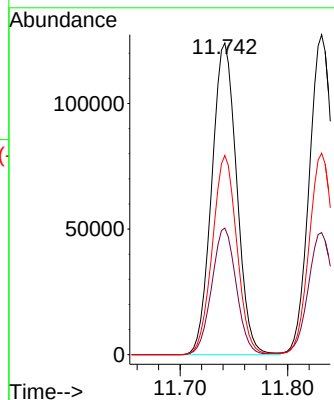
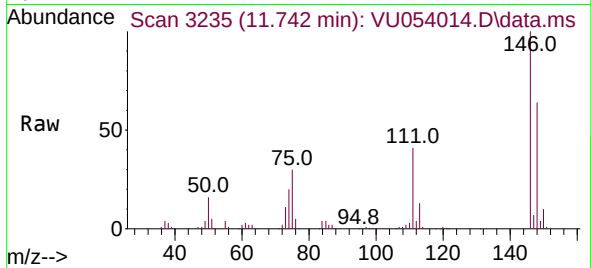




#64
1,3-Dichlorobenzene
Concen: 49.075 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

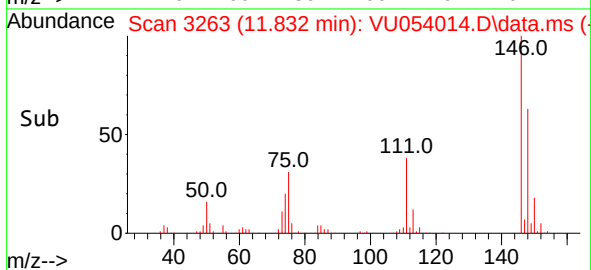
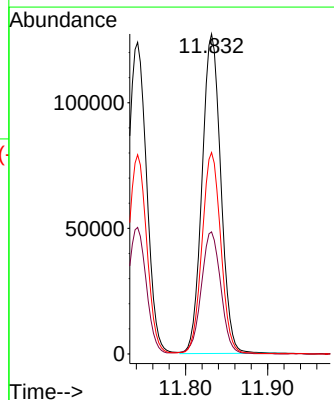
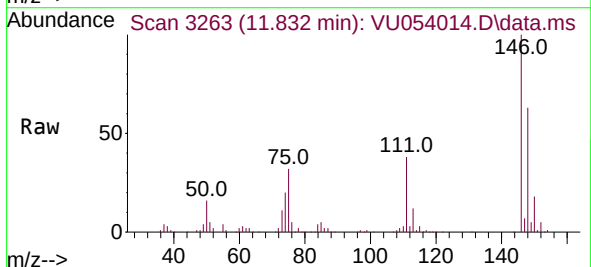
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

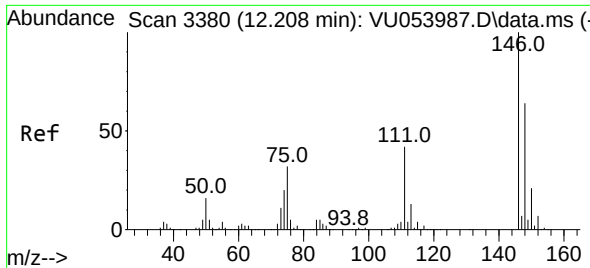
Tgt Ion:146 Resp: 200136
Ion Ratio Lower Upper
146 100
111 40.6 27.9 51.7
148 63.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 48.656 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054014.D
Acq: 01 May 2023 09:44

Tgt Ion:146 Resp: 202088
Ion Ratio Lower Upper
146 100
111 38.2 27.9 51.7
148 63.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 48.822 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

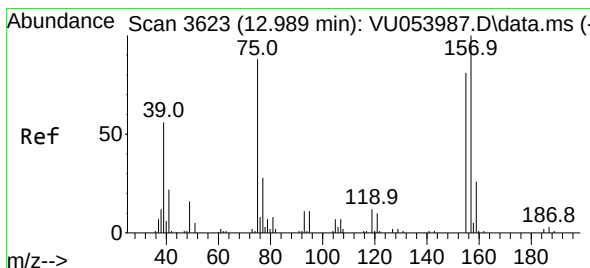
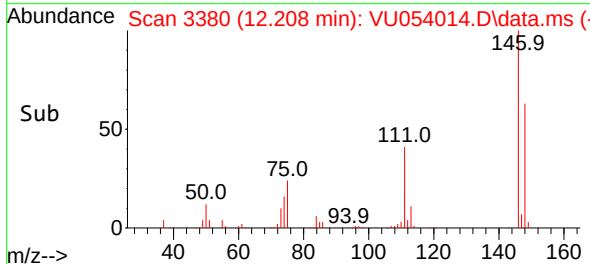
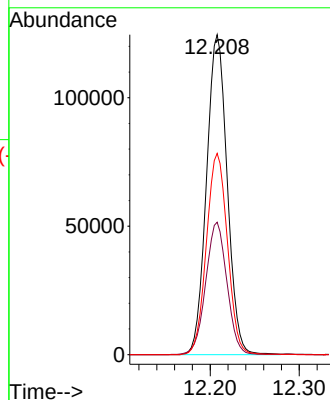
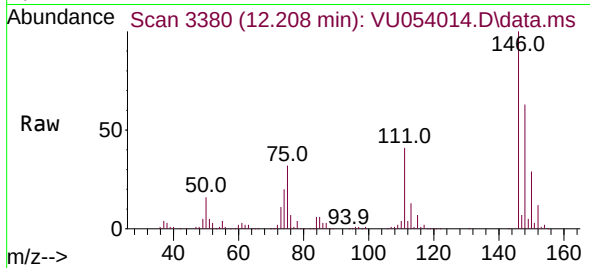
Tgt Ion:146 Resp: 200946

Ion Ratio Lower Upper

146 100

111 41.4 33.4 50.0

148 62.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.518 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.000 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

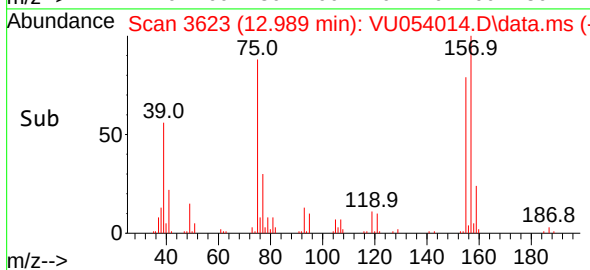
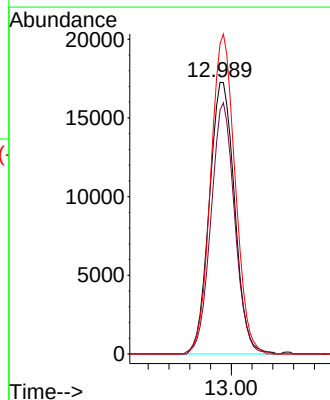
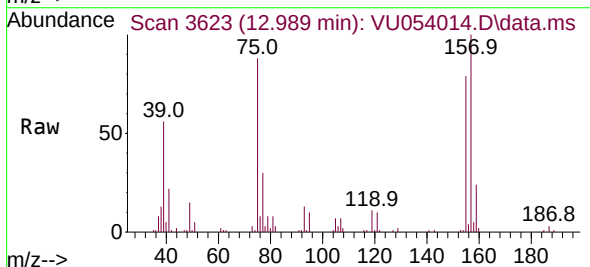
Tgt Ion: 75 Resp: 29119

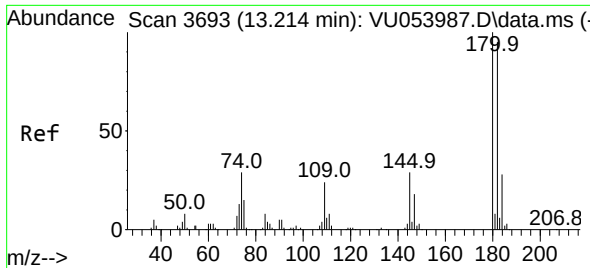
Ion Ratio Lower Upper

75 100

155 89.8 67.8 101.6

157 114.1 88.3 132.5

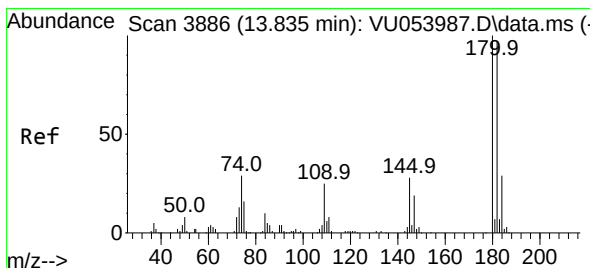
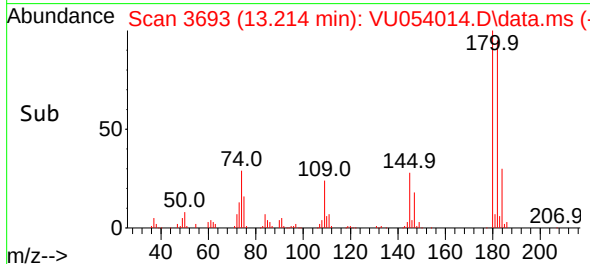
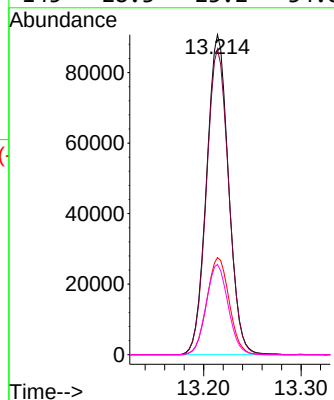
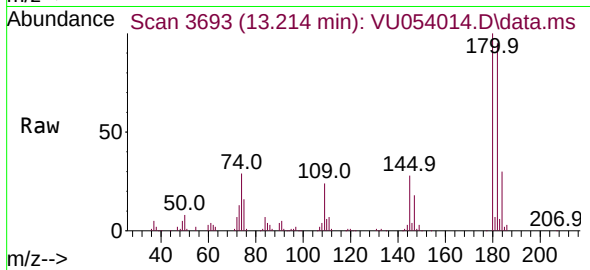




#69
 1,3,5-Trichlorobenzene
 Concen: 48.065 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

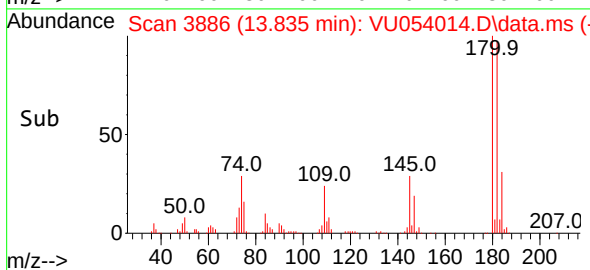
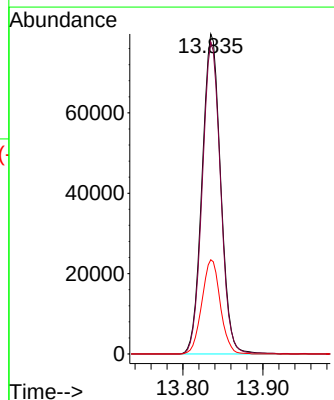
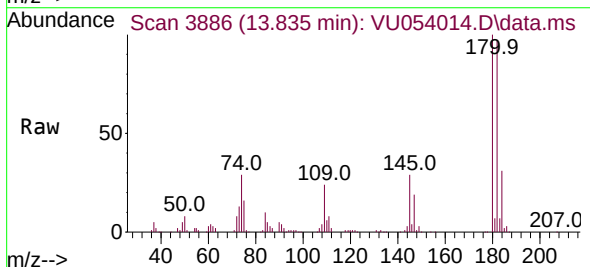
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

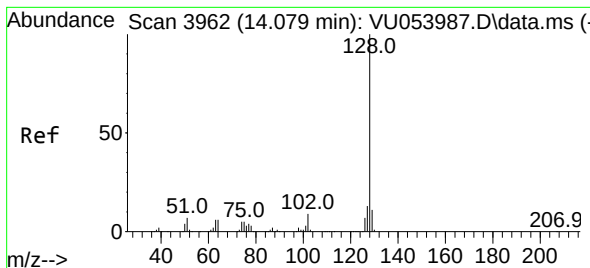
Tgt Ion:180	Resp:	142040
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.0 114.0
184	31.0	24.2 36.2
145	28.3	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.081 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054014.D
 Acq: 01 May 2023 09:44

Tgt Ion:180	Resp:	128814
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.4 116.2
145	29.2	23.8 35.8





#71

Naphthalene

Concen: 46.804 ug/L

RT: 14.082 min Scan# 3962

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

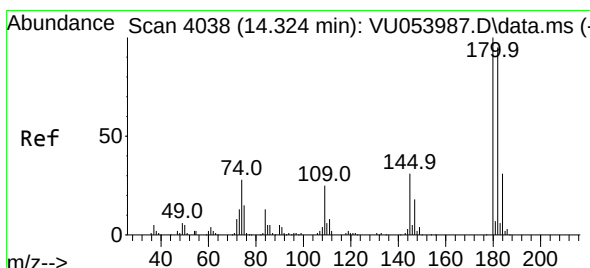
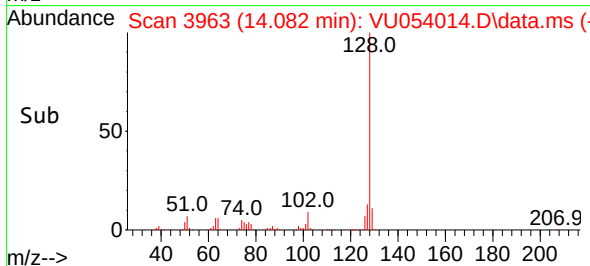
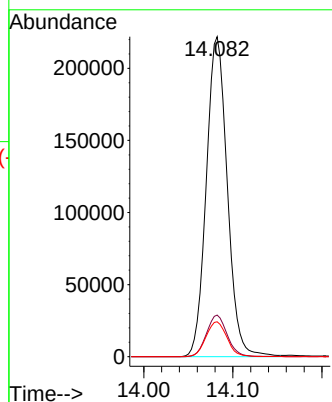
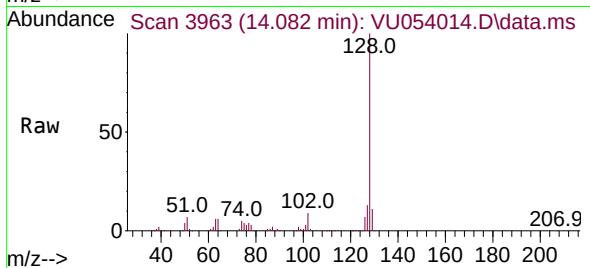
Tgt Ion:128 Resp: 363703

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 10.9 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 48.680 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU054014.D

Acq: 01 May 2023 09:44

Tgt Ion:180 Resp: 129735

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 31.0 24.9 37.3

