

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062022\
 Data File : VU049295.D
 Acq On : 20 Jun 2022 10:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050152

Quant Time: Jun 21 00:46:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 20 00:11:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	238383	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	233796	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	131788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69401	47.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.520%
7) Chloroethane-d5	1.903	69	54901	50.916	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.840%
11) 1,1-Dichloroethene-d2	2.569	63	128753	46.463	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.920%
21) 2-Butanone-d5	4.617	46	169076	105.009	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.010%
24) Chloroform-d	5.064	84	146432	46.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.480%
26) 1,2-Dichloroethane-d4	5.700	65	93006	45.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.640%
32) Benzene-d6	5.726	84	261834	45.164	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.320%
36) 1,2-Dichloropropane-d6	6.691	67	96107	49.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.620%
41) Toluene-d8	7.896	98	232407	45.456	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.920%
43) trans-1,3-Dichloroprop...	8.179	79	43871	47.848	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.700%
47) 2-Hexanone-d5	8.633	63	105929	103.850	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.850%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	154648	47.509	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	100477	43.818	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	91564	43.526	ug/L	100
3) Chloromethane	1.520	50	95537	43.085	ug/L	98
5) Vinyl chloride	1.604	62	96116	45.725	ug/L	95
6) Bromomethane	1.842	94	64702	55.646	ug/L	99
8) Chloroethane	1.925	64	57208	48.727	ug/L	98
9) Trichlorofluoromethane	2.134	101	131172	44.338	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	77538	46.171	ug/L	95
12) 1,1-Dichloroethene	2.578	96	66615	45.315	ug/L	98
13) Acetone	2.620	43	125915	99.382	ug/L	99
14) Carbon disulfide	2.790	76	170551	45.623	ug/L	100
15) Methyl Acetate	2.945	43	133606	53.167	ug/L	96
16) Methylene chloride	3.044	84	89236	46.615	ug/L	92
17) trans-1,2-Dichloroethene	3.353	96	75549	46.741	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	295941	48.942	ug/L	97
19) 1,1-Dichloroethane	3.868	63	166429	47.795	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	94004	47.804	ug/L	97
22) 2-Butanone	4.697	43	205742	105.670	ug/L	97
23) Bromochloromethane	4.974	128	47273	45.803	ug/L	87
25) Chloroform	5.086	83	172616	47.566	ug/L	100

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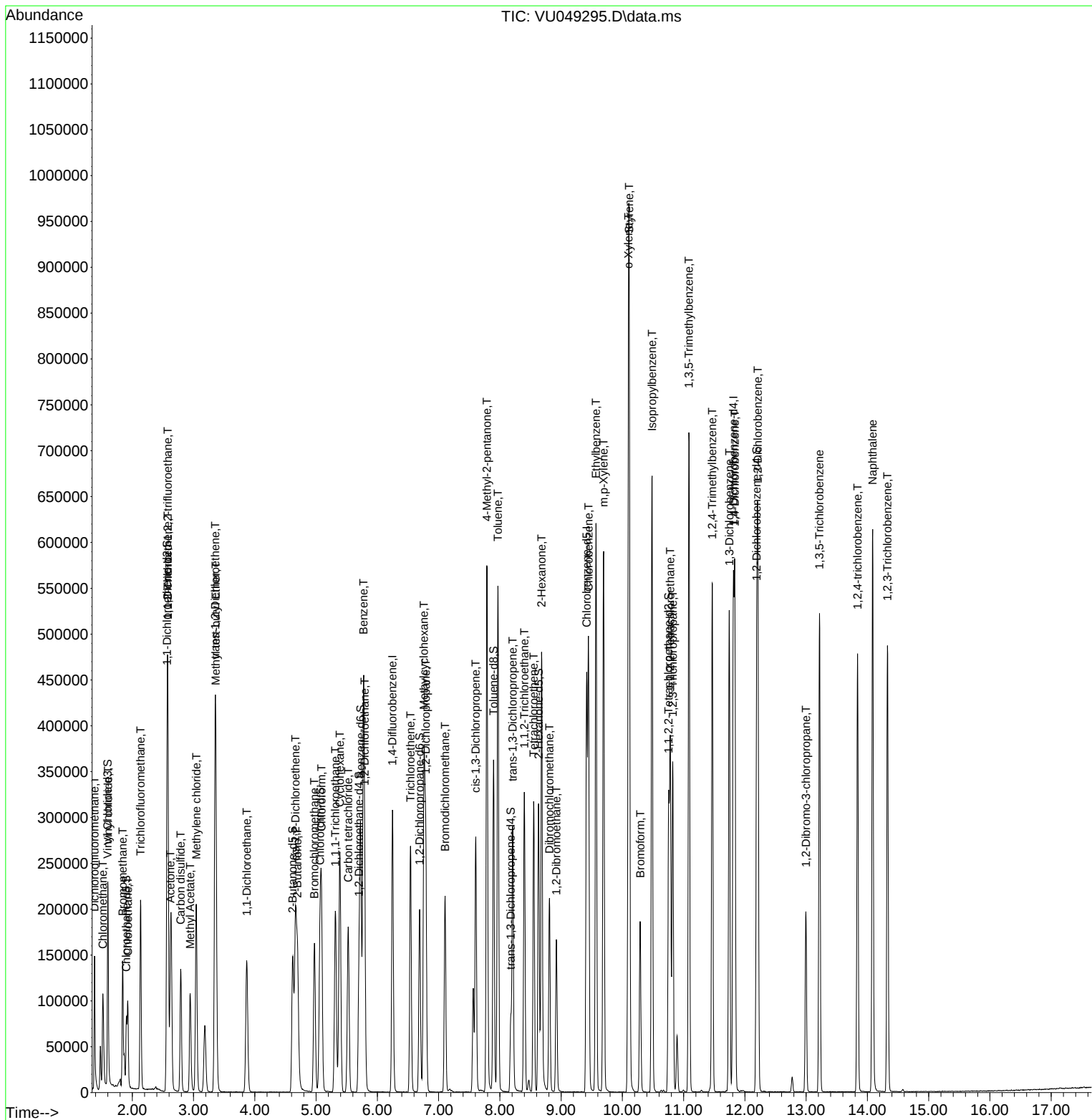
Instrument :
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 ClientSampleId :
 VSTD050152

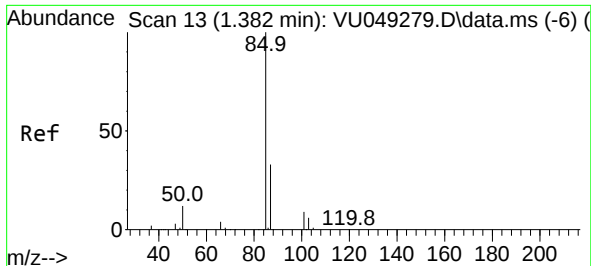
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 Quant Title : VOC Analysis
 QLast Update : Mon Jun 20 00:11:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	138491	46.880	ug/L	99
29) Cyclohexane	5.388	56	137890	52.701	ug/L	93
30) 1,1,1-Trichloroethane	5.314	97	142820	43.804	ug/L	97
31) Carbon tetrachloride	5.523	117	120502	42.259	ug/L	99
33) Benzene	5.774	78	363286	47.962	ug/L	100
34) Trichloroethene	6.543	95	91649	48.002	ug/L	95
35) Methylcyclohexane	6.761	83	138352	51.913	ug/L	95
37) 1,2-Dichloropropane	6.790	63	104275	48.820	ug/L	99
38) Bromodichloromethane	7.105	83	135872	47.912	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	161186	51.286	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	385340	107.083	ug/L	97
42) Toluene	7.967	91	386972	49.429	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	156691	50.349	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	98771	47.722	ug/L	96
46) Tetrachloroethene	8.552	164	67361	45.508	ug/L	99
48) 2-Hexanone	8.681	43	306179	104.660	ug/L	96
49) Dibromochloromethane	8.809	129	105709	45.872	ug/L	99
50) 1,2-Dibromoethane	8.922	107	105979	48.673	ug/L	97
51) Chlorobenzene	9.446	112	248251	46.909	ug/L	97
52) Ethylbenzene	9.568	91	432531	50.813	ug/L	99
53) m,p-Xylene	9.694	106	161950	48.448	ug/L	90
54) o-Xylene	10.099	106	160465	47.646	ug/L	89
55) Styrene	10.112	104	280569	49.886	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.780	83	191103	49.546	ug/L	98
59) Bromoform	10.292	173	79948	41.106	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	148095	44.302	ug/L	98
61) Isopropylbenzene	10.485	105	425059	47.483	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	380191	49.746	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	300554	49.395	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	203089	46.249	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	201107	45.233	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	206581	45.332	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	50157	45.460	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	150106	47.850	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	135116	50.935	ug/L	99
71) Naphthalene	14.086	128	472440	50.339	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	138528	49.369	ug/L	99

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

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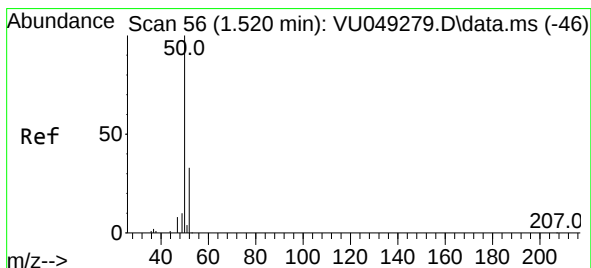
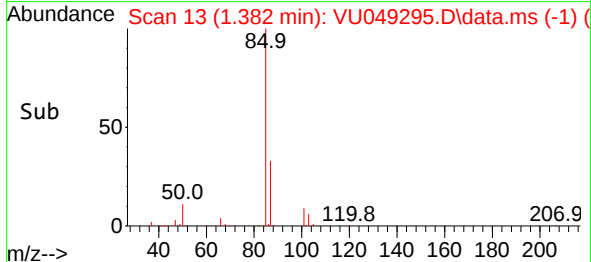
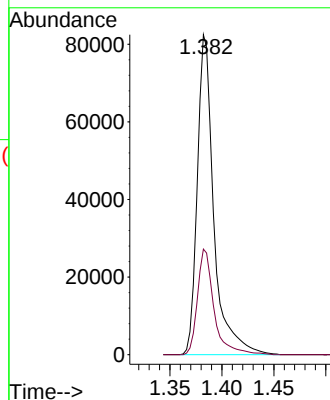
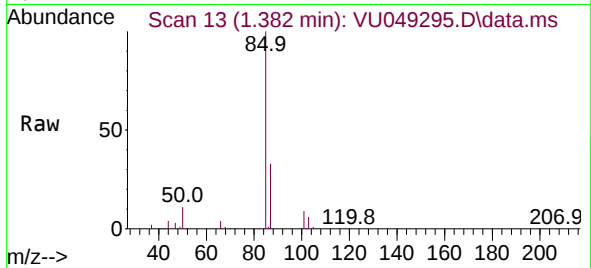




#2
Dichlorodifluoromethane
Concen: 43.526 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

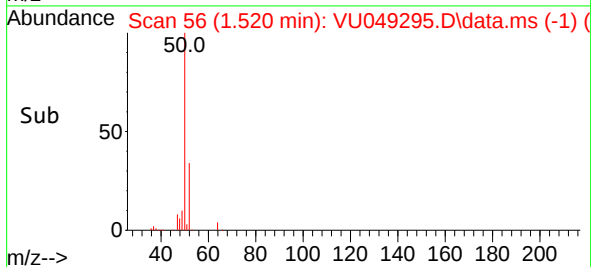
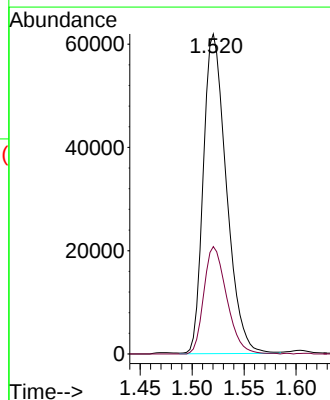
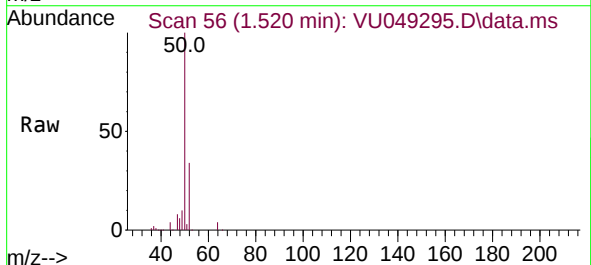
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

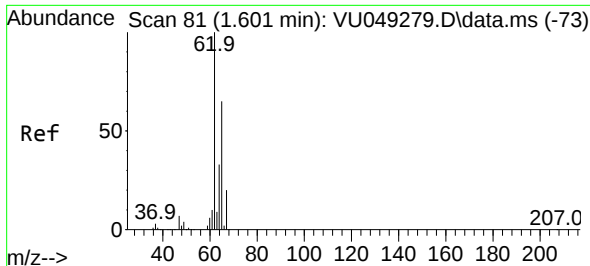
Tgt Ion: 85 Resp: 91564
Ion Ratio Lower Upper
85 100
87 33.1 26.3 39.5



#3
Chloromethane
Concen: 43.085 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 50 Resp: 95537
Ion Ratio Lower Upper
50 100
52 33.5 22.7 42.1

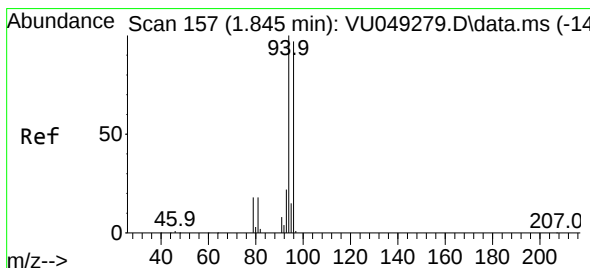
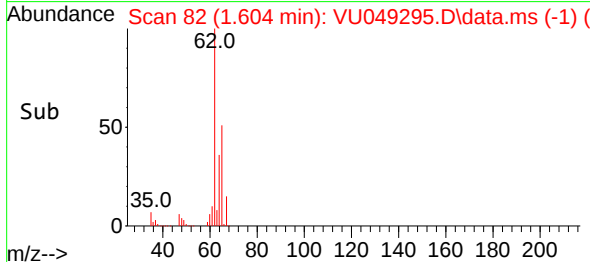
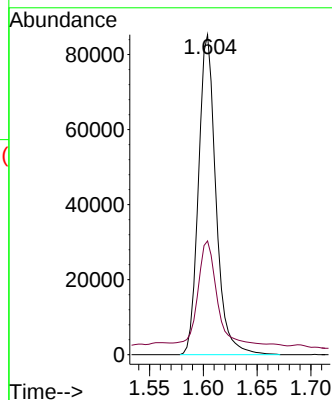
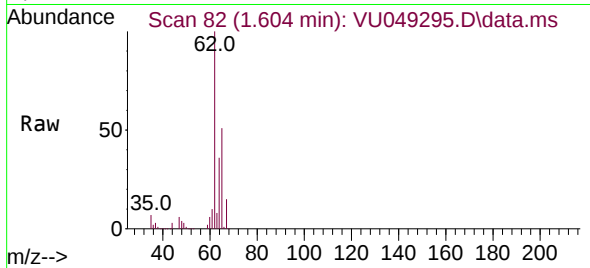




#5
 Vinyl chloride
 Concen: 45.725 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU049295.D
 Acq: 20 Jun 2022 10:35

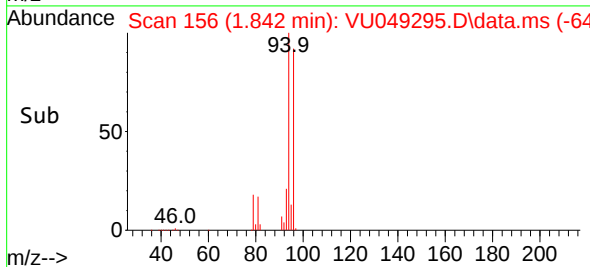
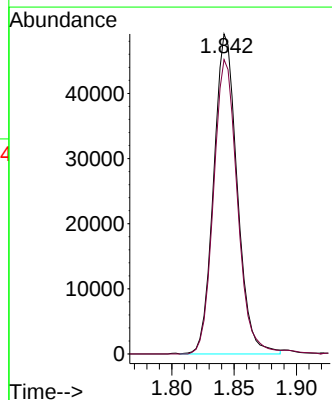
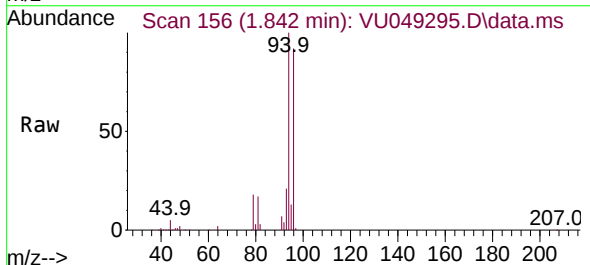
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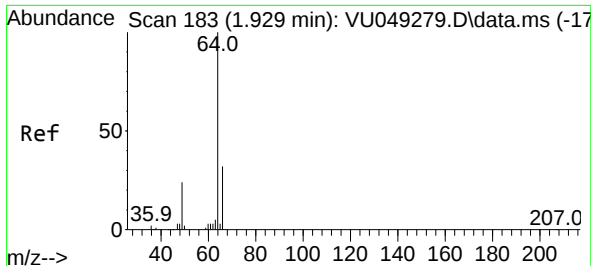
Tgt Ion: 62 Resp: 96116
 Ion Ratio Lower Upper
 62 100
 64 35.5 22.7 42.3



#6
 Bromomethane
 Concen: 55.646 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.003 min
 Lab File: VU049295.D
 Acq: 20 Jun 2022 10:35

Tgt Ion: 94 Resp: 64702
 Ion Ratio Lower Upper
 94 100
 96 92.0 65.1 120.9

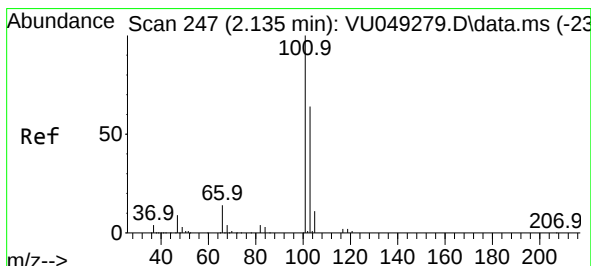
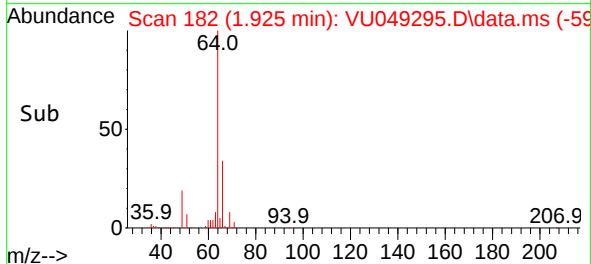
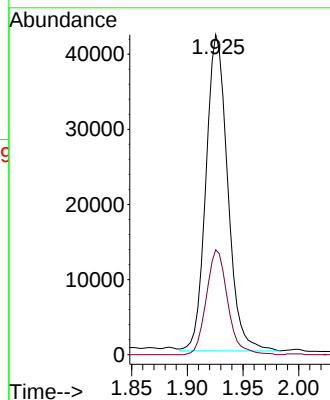
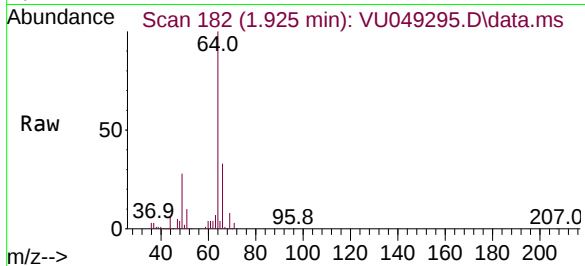




#8
Chloroethane
Concen: 48.727 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

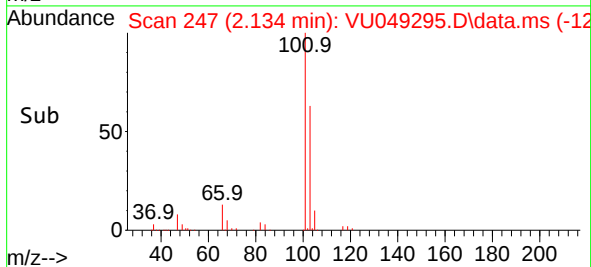
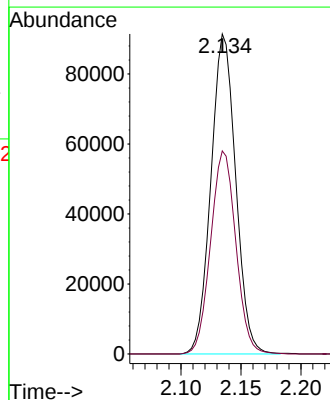
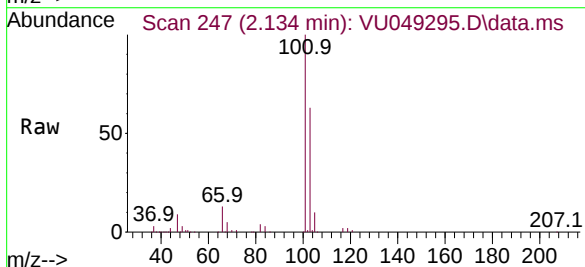
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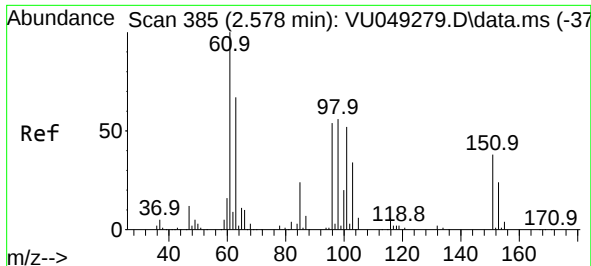
Tgt Ion: 64 Resp: 57208
Ion Ratio Lower Upper
64 100
66 32.8 23.7 43.9



#9
Trichlorofluoromethane
Concen: 44.338 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion:101 Resp: 131172
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

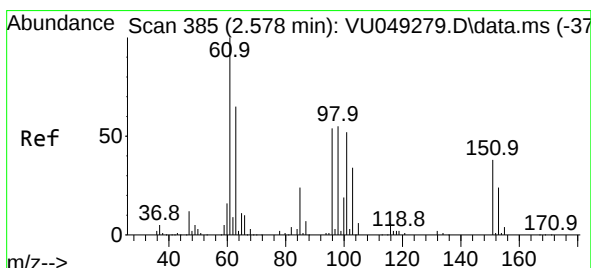
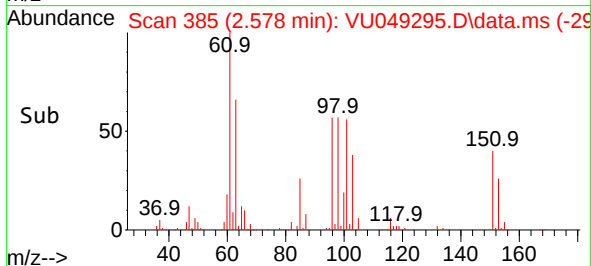
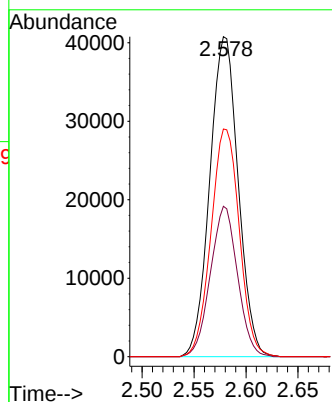
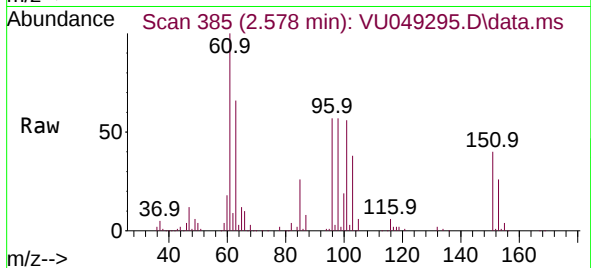




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.171 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049295.D
 Acq: 20 Jun 2022 10:35

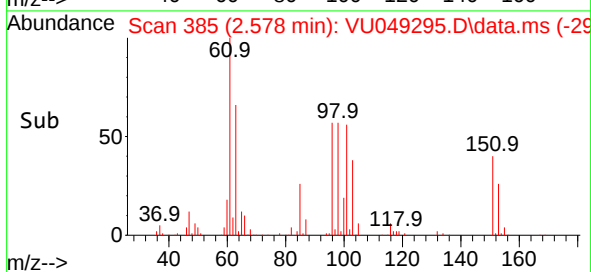
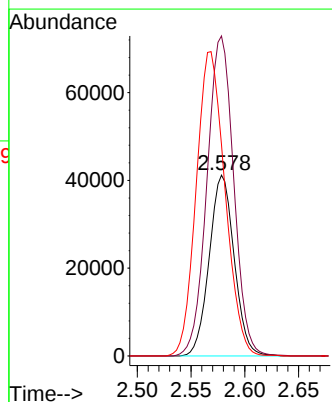
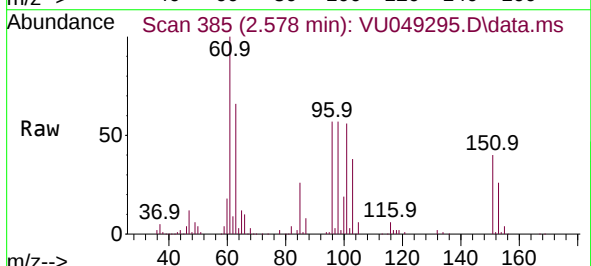
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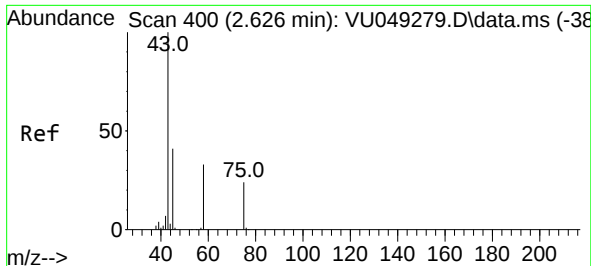
Tgt Ion:101 Resp: 77538
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.2 52.8
 151 71.0 61.4 92.2



#12
 1,1-Dichloroethene
 Concen: 45.315 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049295.D
 Acq: 20 Jun 2022 10:35

Tgt Ion: 96 Resp: 66615
 Ion Ratio Lower Upper
 96 100
 61 176.9 123.5 229.3
 63 117.0 86.0 159.8





#13

Acetone

Concen: 99.382 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

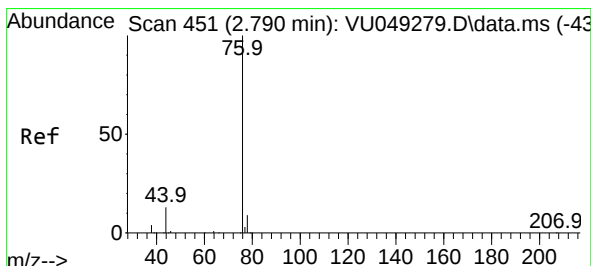
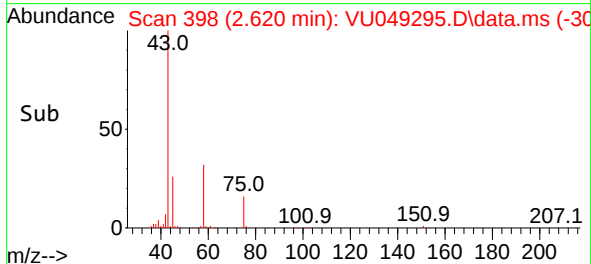
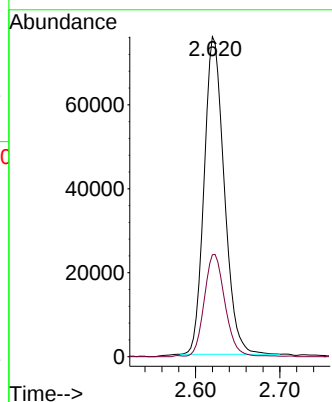
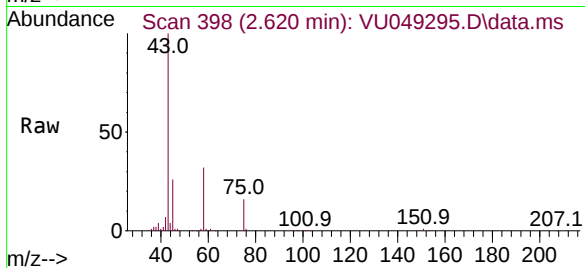
VSTD050152

Tgt Ion: 43 Resp: 125915

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.4



#14

Carbon disulfide

Concen: 45.623 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU049295.D

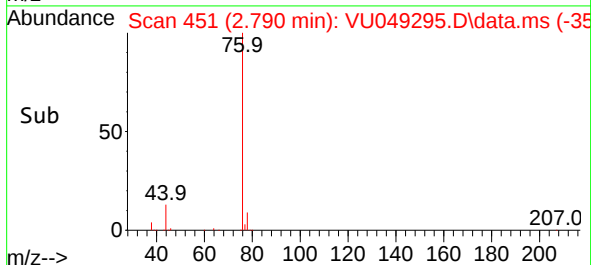
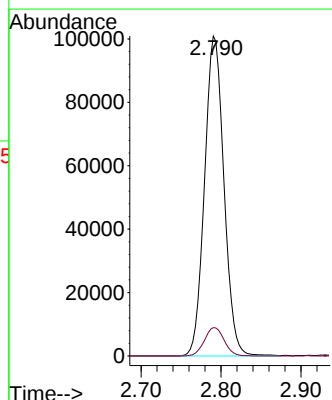
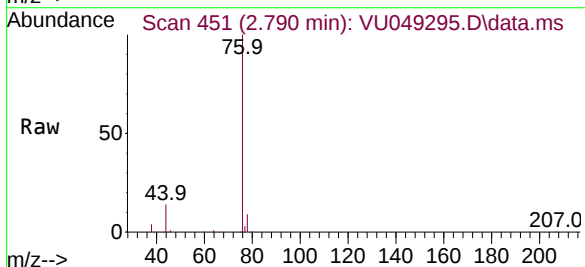
Acq: 20 Jun 2022 10:35

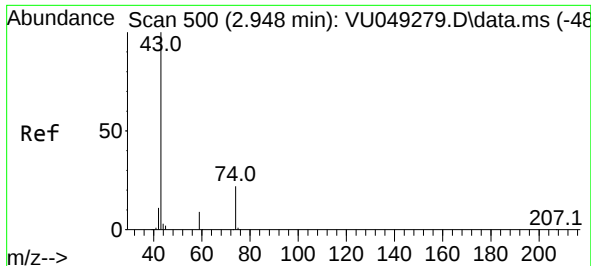
Tgt Ion: 76 Resp: 170551

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

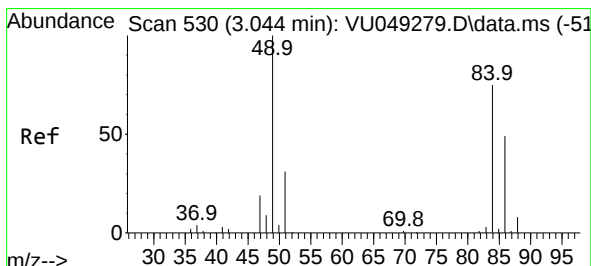
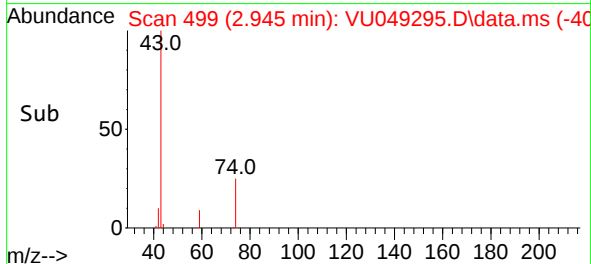
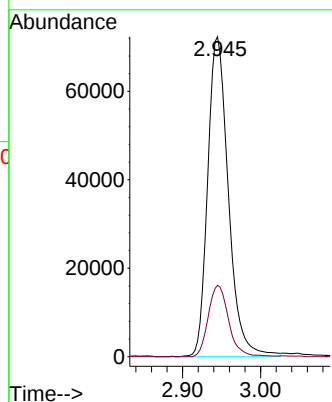
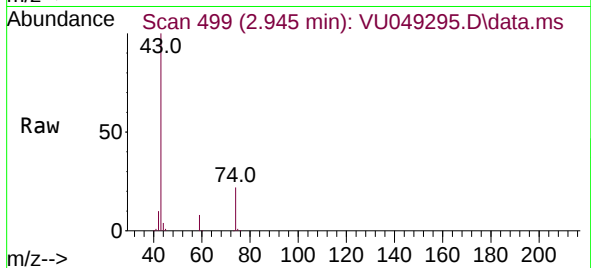




#15
Methyl Acetate
Concen: 53.167 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

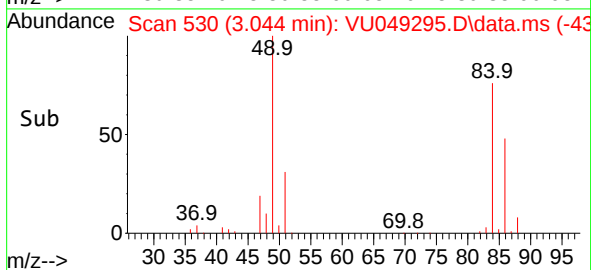
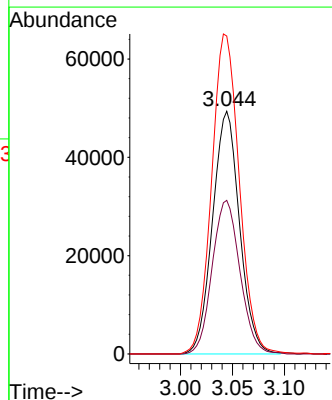
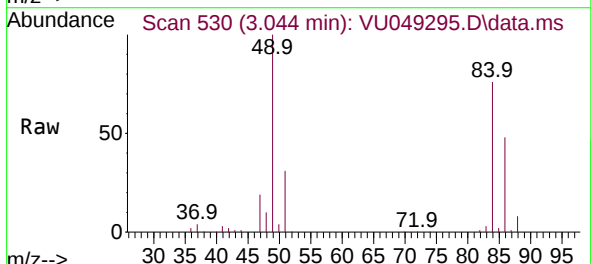
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

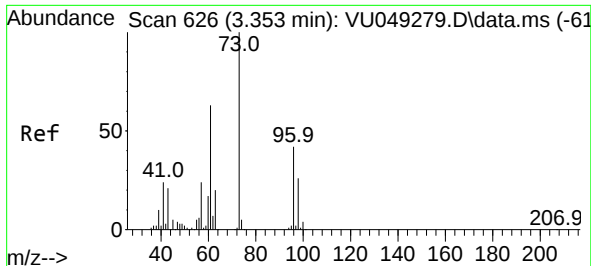
Tgt Ion: 43 Resp: 133606
Ion Ratio Lower Upper
43 100
74 21.6 19.0 28.6



#16
Methylene chloride
Concen: 46.615 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 84 Resp: 89236
Ion Ratio Lower Upper
84 100
86 63.3 45.8 85.0
49 131.0 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 46.741 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050152

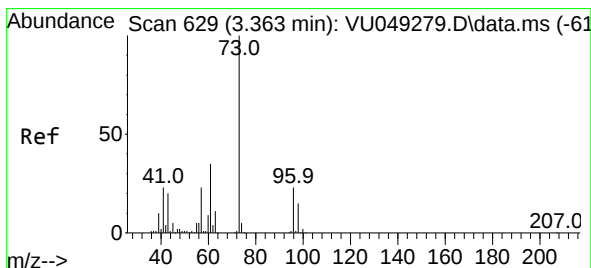
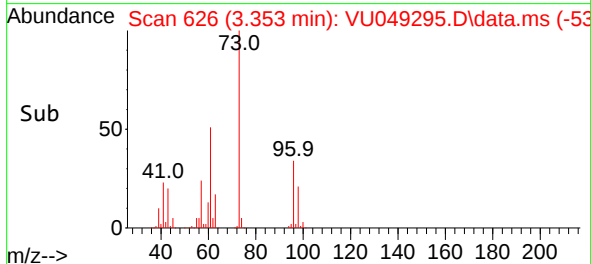
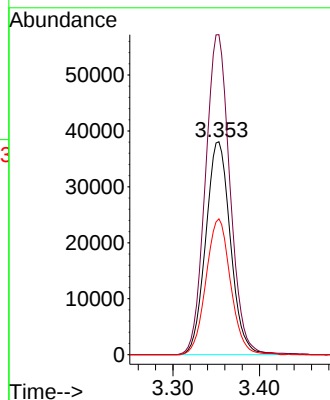
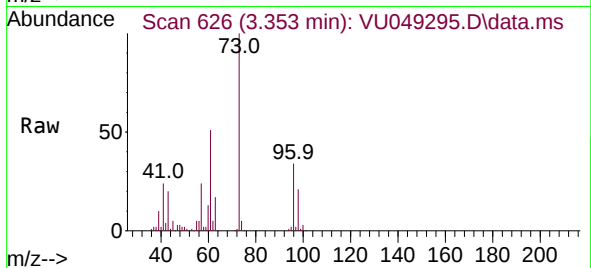
Tgt Ion: 96 Resp: 75549

Ion Ratio Lower Upper

96 100

61 150.3 99.3 184.3

98 63.8 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 48.942 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

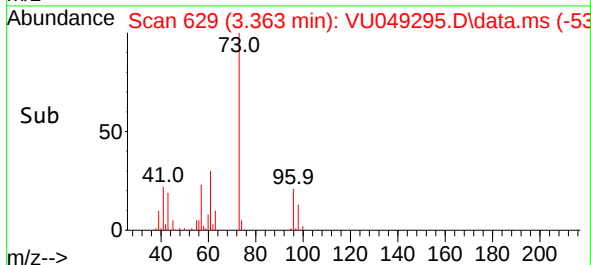
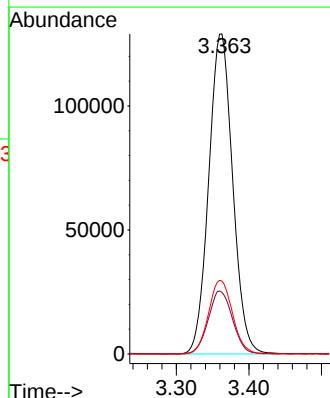
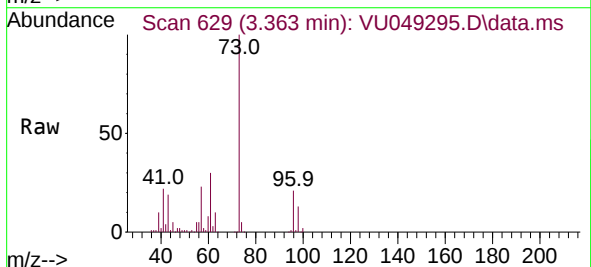
Tgt Ion: 73 Resp: 295941

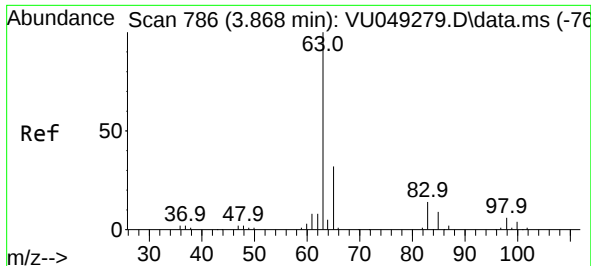
Ion Ratio Lower Upper

73 100

43 20.1 15.0 22.4

57 23.0 17.3 25.9

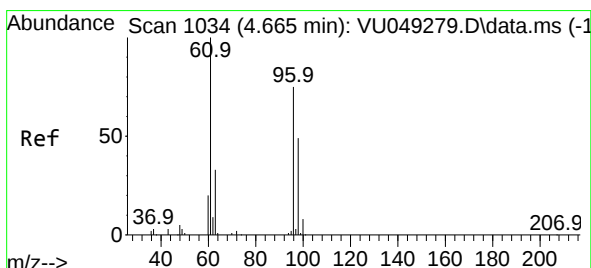
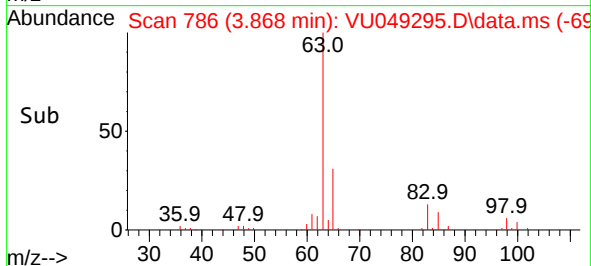
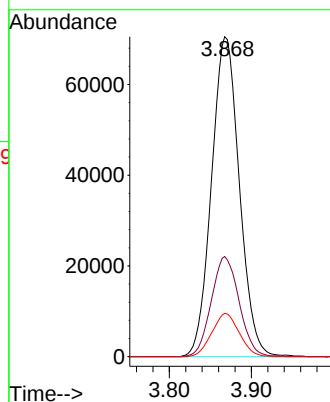
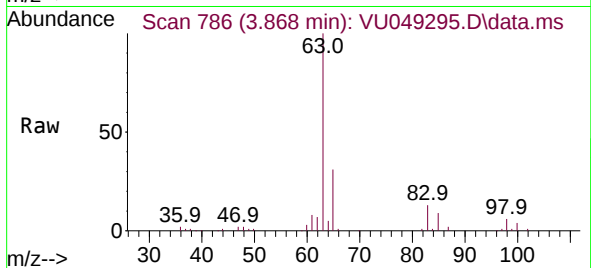




#19
1,1-Dichloroethane
Concen: 47.795 ug/L
RT: 3.868 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

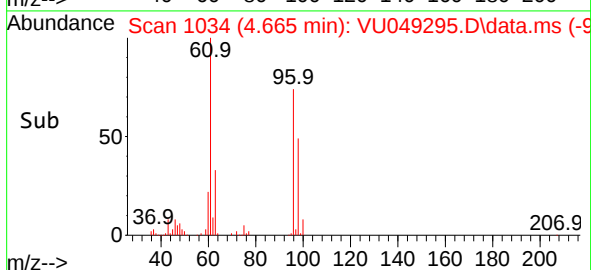
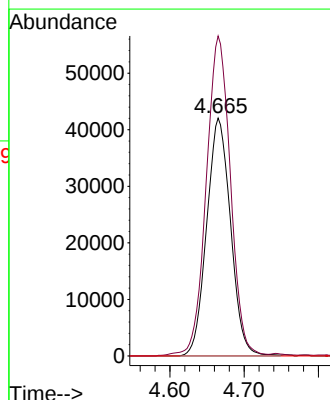
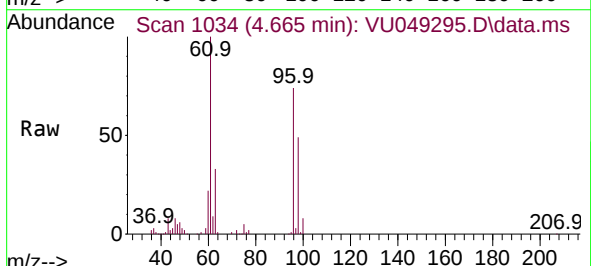
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

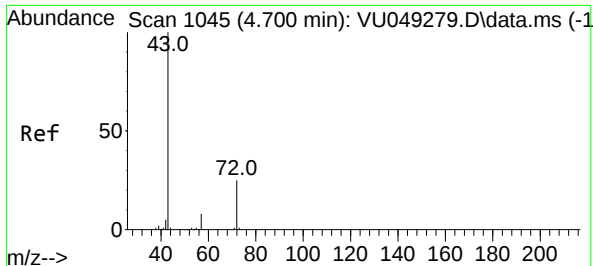
Tgt Ion: 63 Resp: 166429
Ion Ratio Lower Upper
63 100
65 31.3 22.3 41.5
83 13.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 47.804 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 96 Resp: 94004
Ion Ratio Lower Upper
96 100
61 134.5 91.6 170.2
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.670 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

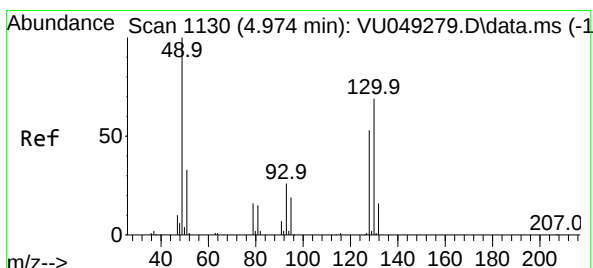
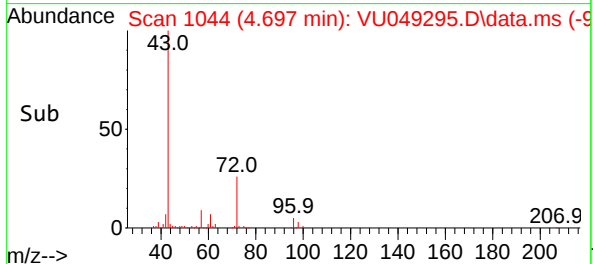
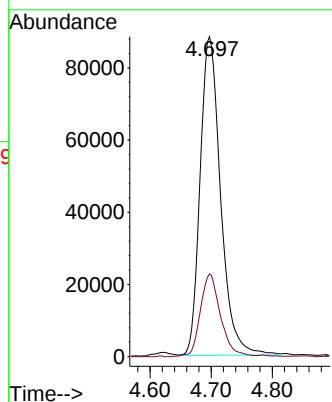
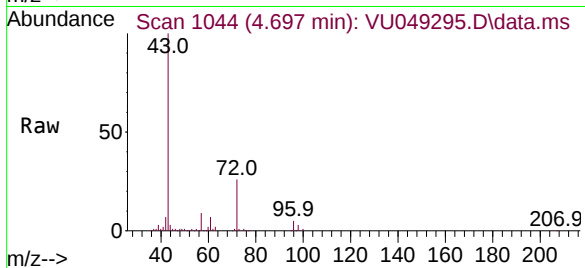
VSTD050152

Tgt Ion: 43 Resp: 205742

Ion Ratio Lower Upper

43 100

72 25.5 13.7 41.0



#23

Bromochloromethane

Concen: 45.803 ug/L

RT: 4.974 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Tgt Ion: 128 Resp: 47273

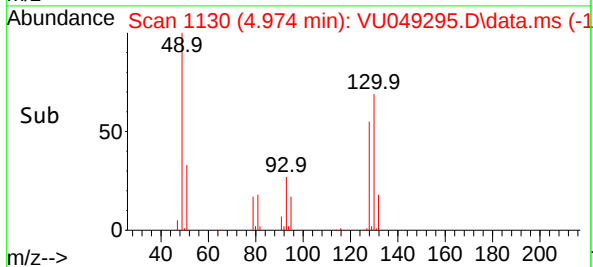
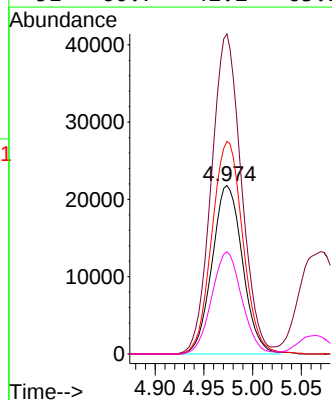
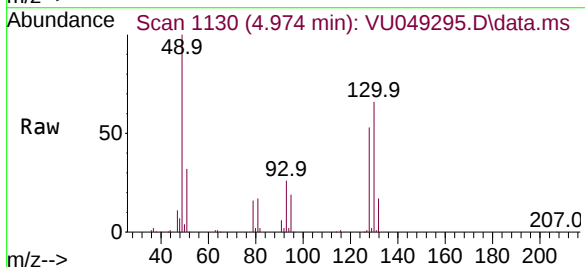
Ion Ratio Lower Upper

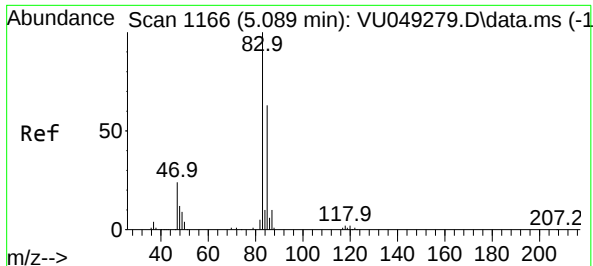
128 100

49 189.9 111.9 207.9

130 126.1 88.6 164.6

51 60.7 42.2 63.2





#25

Chloroform

Concen: 47.566 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

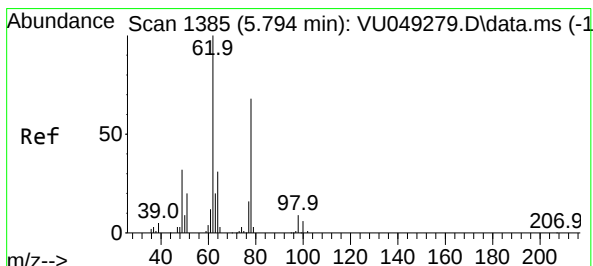
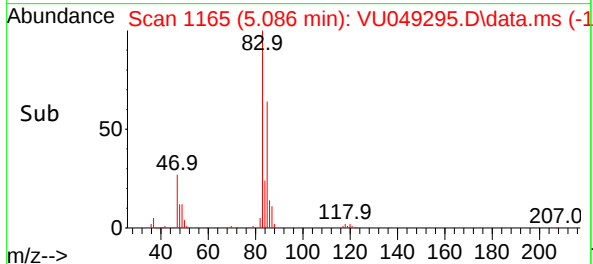
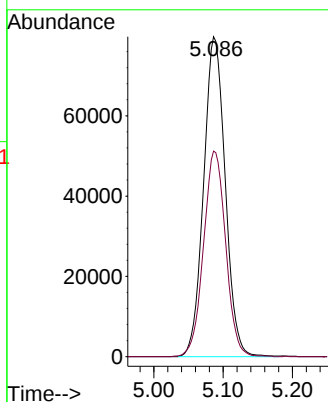
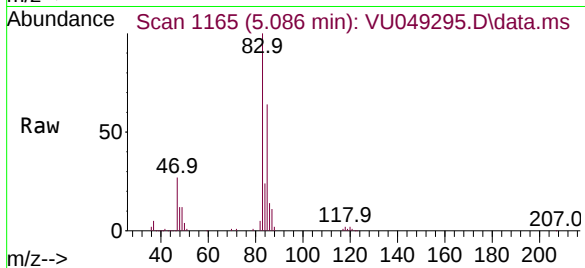
VSTD050152

Tgt Ion: 83 Resp: 172616

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.9



#27

1,2-Dichloroethane

Concen: 46.880 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049295.D

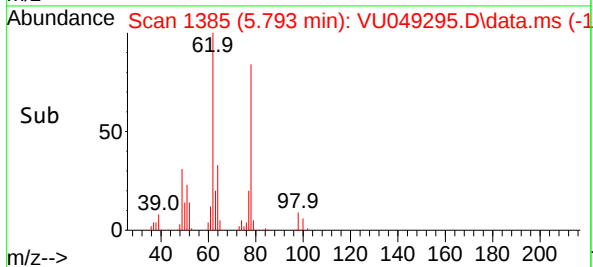
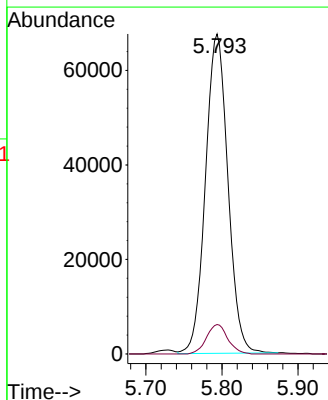
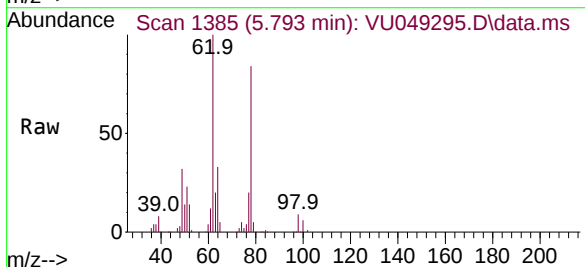
Acq: 20 Jun 2022 10:35

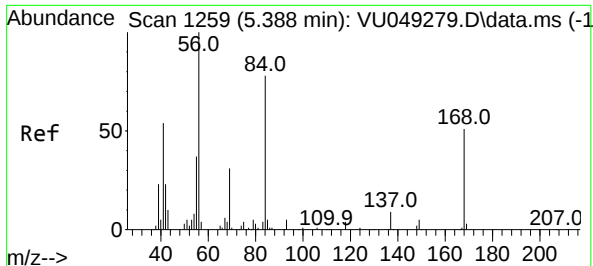
Tgt Ion: 62 Resp: 138491

Ion Ratio Lower Upper

62 100

98 9.2 7.0 10.4





#29

Cyclohexane

Concen: 52.701 ug/L

RT: 5.388 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050152

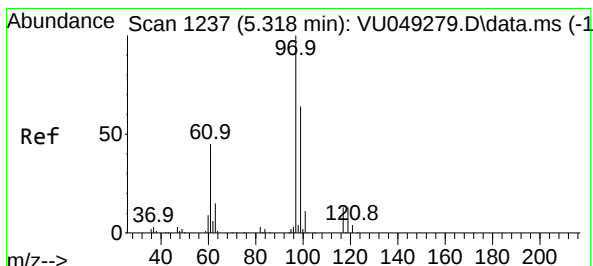
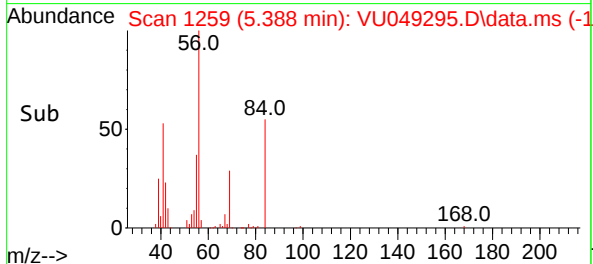
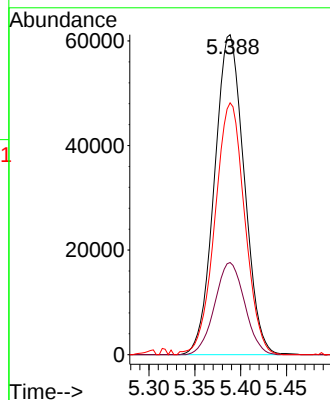
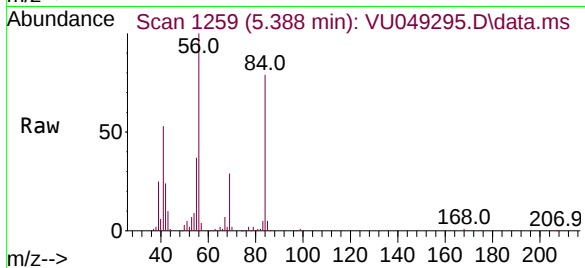
Tgt Ion: 56 Resp: 137890

Ion Ratio Lower Upper

56 100

69 28.9 24.6 36.8

84 78.9 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 43.804 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

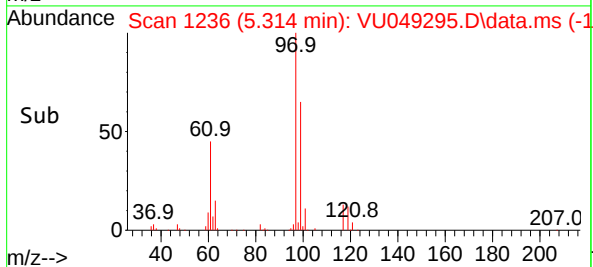
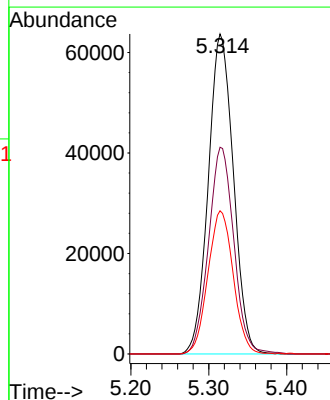
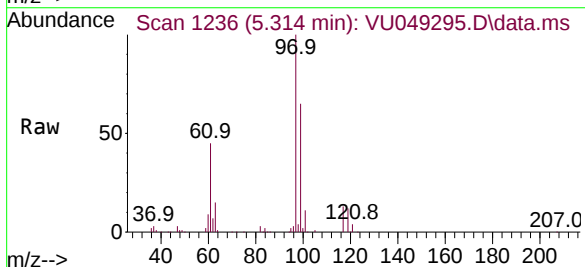
Tgt Ion: 97 Resp: 142820

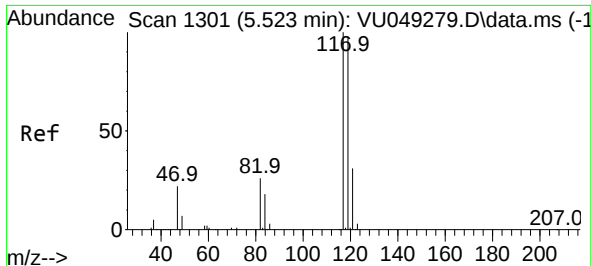
Ion Ratio Lower Upper

97 100

99 65.1 50.9 76.3

61 45.0 34.2 51.2

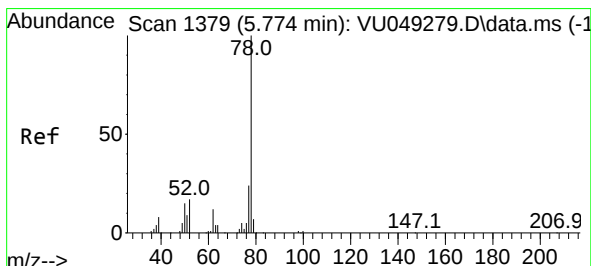
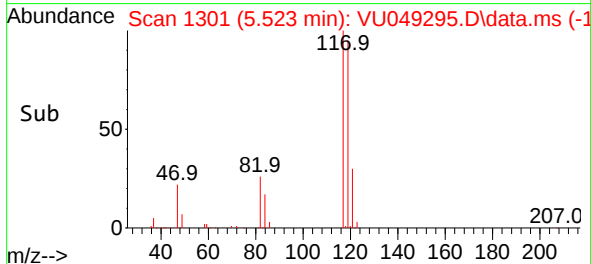
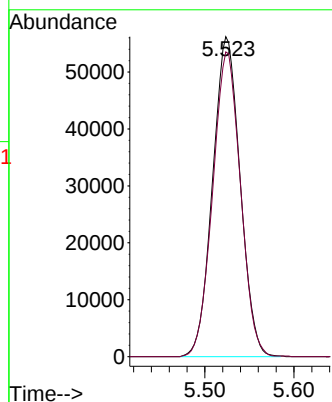
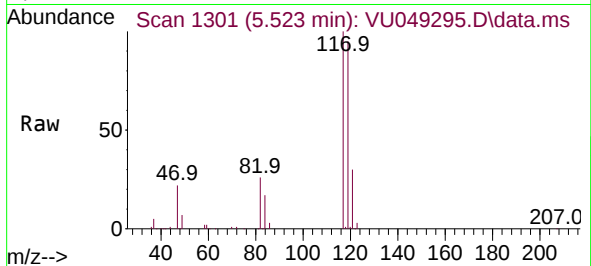




#31
Carbon tetrachloride
Concen: 42.259 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

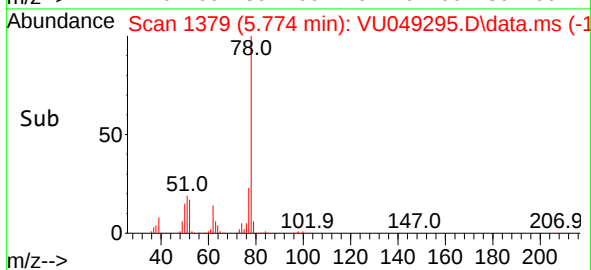
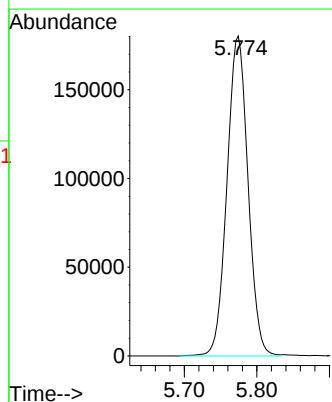
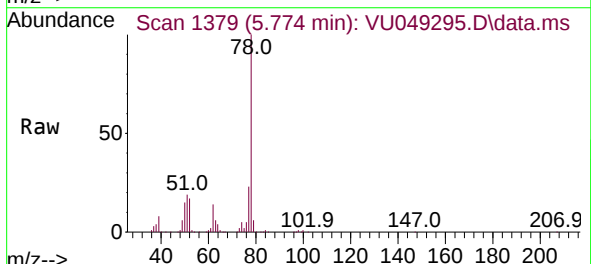
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

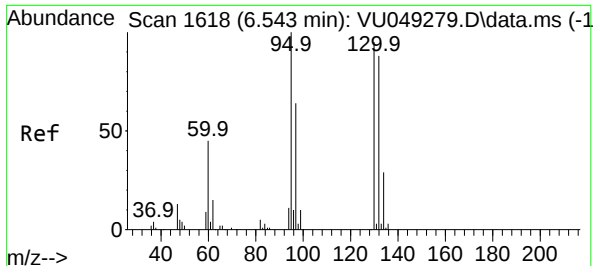
Tgt Ion:117 Resp: 120502
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7



#33
Benzene
Concen: 47.962 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 78 Resp: 363286





#34

Trichloroethene

Concen: 48.002 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050152

Tgt Ion: 95 Resp: 91649

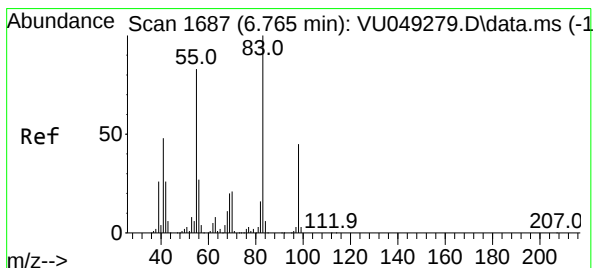
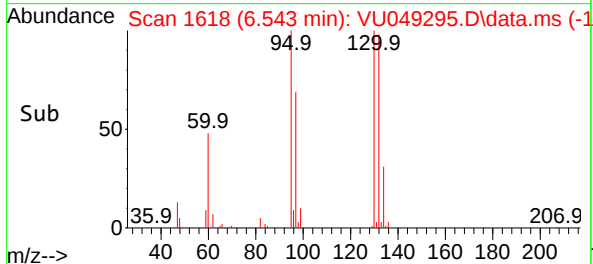
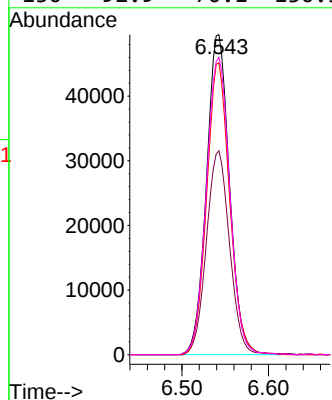
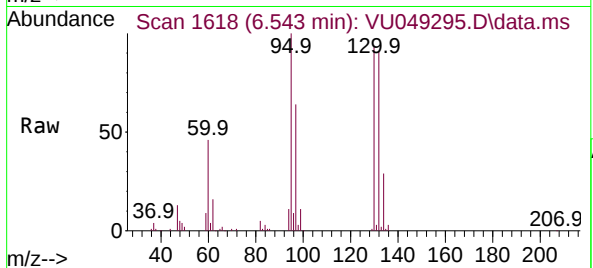
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.4

132 91.2 67.6 125.6

130 92.9 70.1 130.3



#35

Methylcyclohexane

Concen: 51.913 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

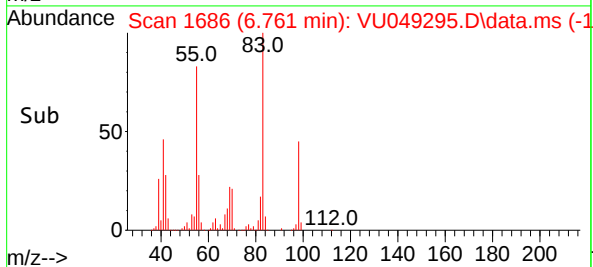
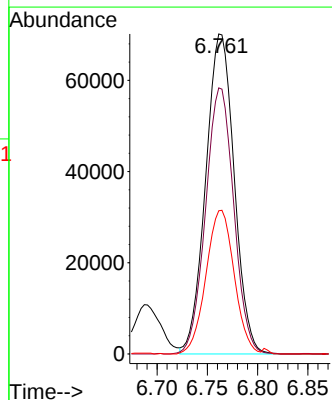
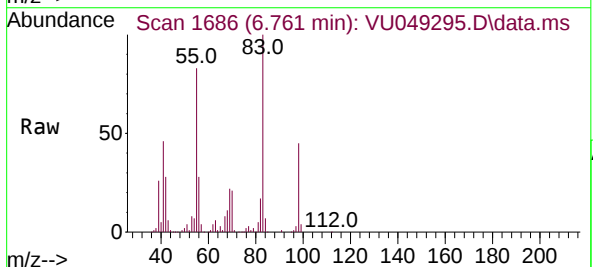
Tgt Ion: 83 Resp: 138352

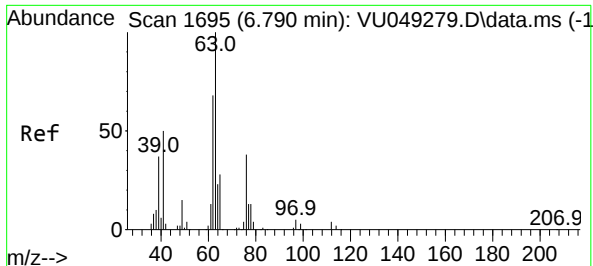
Ion Ratio Lower Upper

83 100

55 82.2 61.0 91.6

98 44.4 36.8 55.2





#37

1,2-Dichloropropane

Concen: 48.820 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

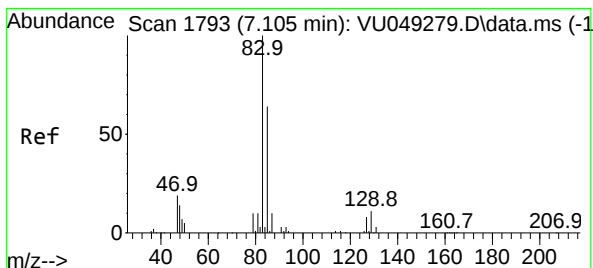
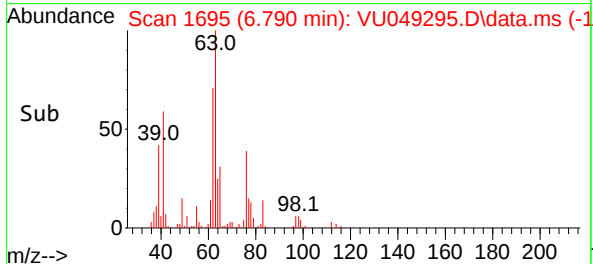
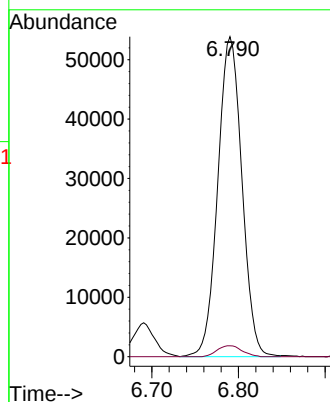
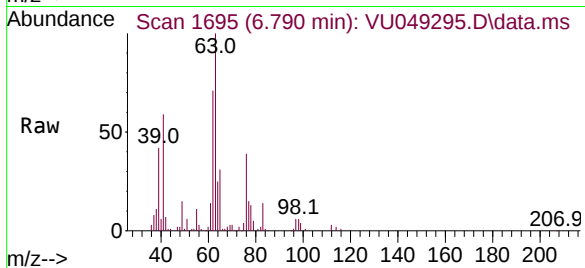
VSTD050152

Tgt Ion: 63 Resp: 104275

Ion Ratio Lower Upper

63 100

112 3.5 3.2 4.8



#38

Bromodichloromethane

Concen: 47.912 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

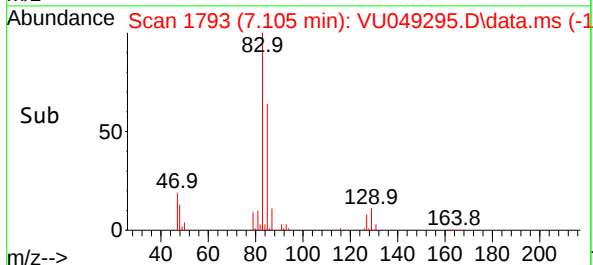
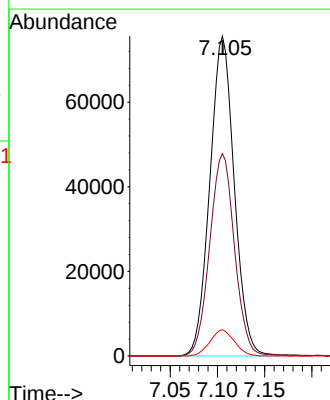
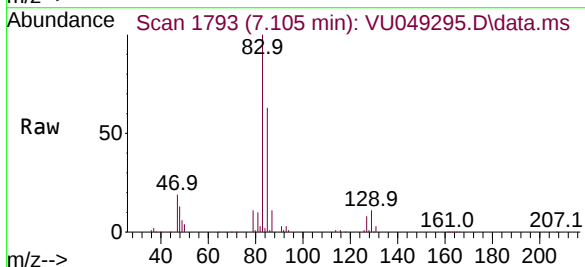
Tgt Ion: 83 Resp: 135872

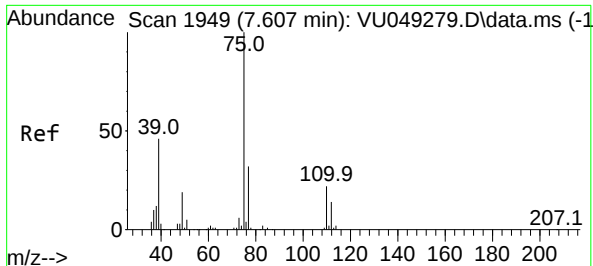
Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.6

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.286 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

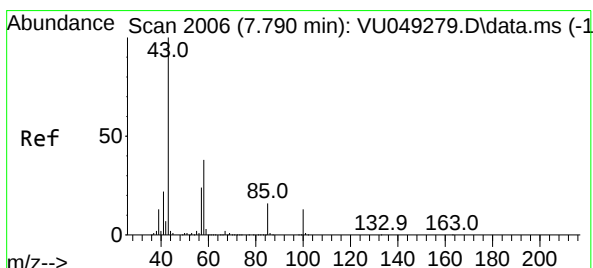
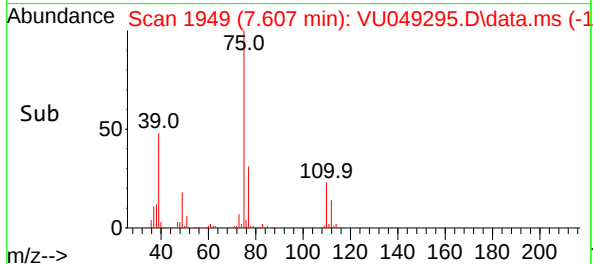
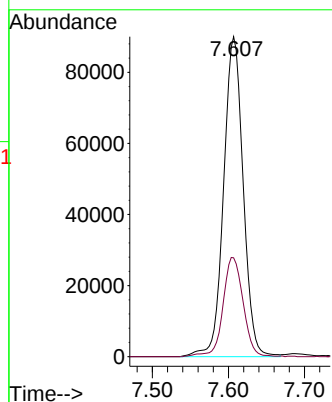
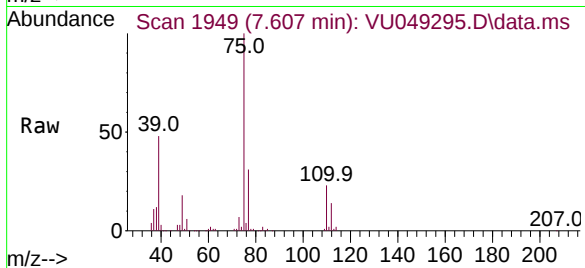
VSTD050152

Tgt Ion: 75 Resp: 161186

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 107.083 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

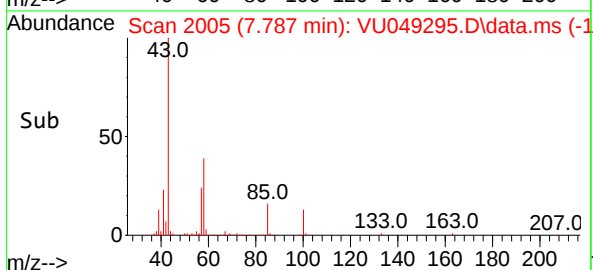
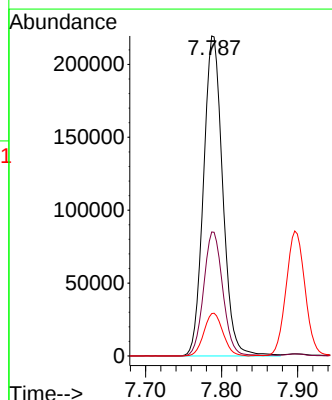
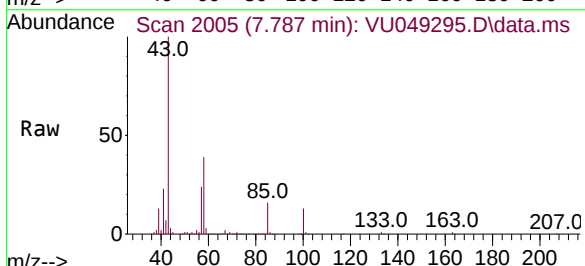
Tgt Ion: 43 Resp: 385340

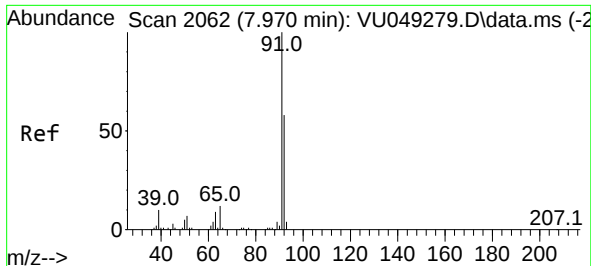
Ion Ratio Lower Upper

43 100

58 38.7 32.2 48.4

100 13.3 12.3 18.5





#42

Toluene

Concen: 49.429 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

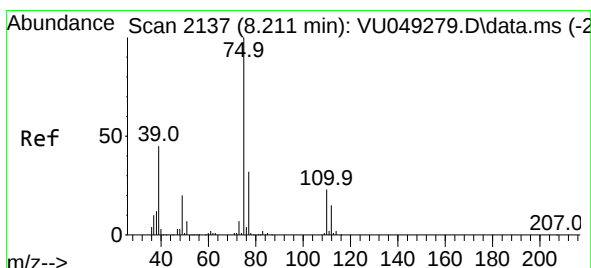
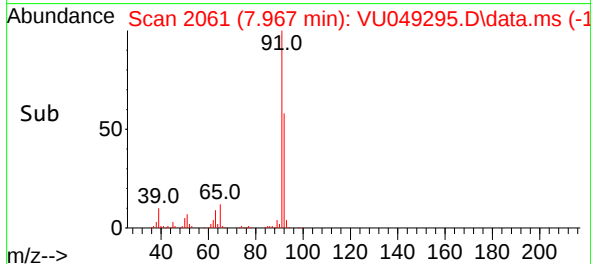
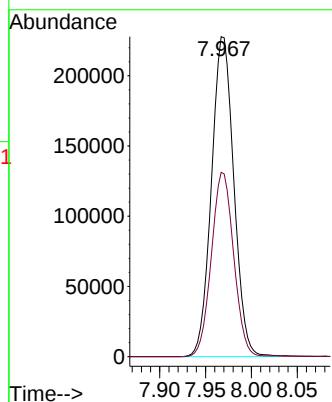
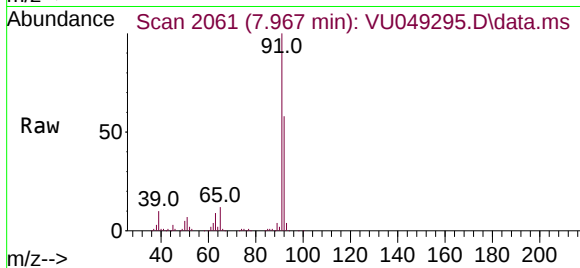
VSTD050152

Tgt Ion: 91 Resp: 386972

Ion Ratio Lower Upper

91 100

92 57.6 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 50.349 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU049295.D

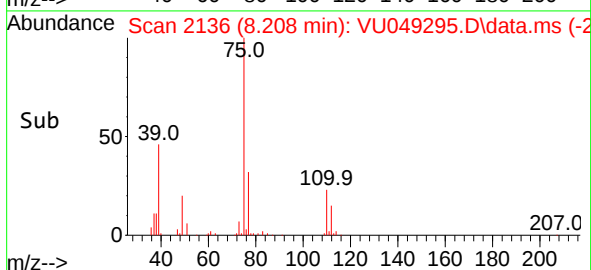
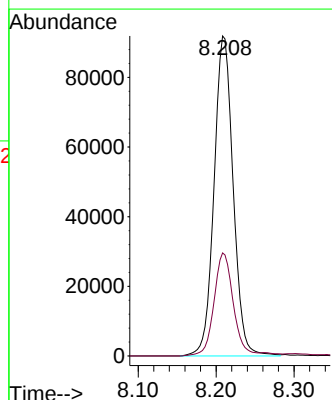
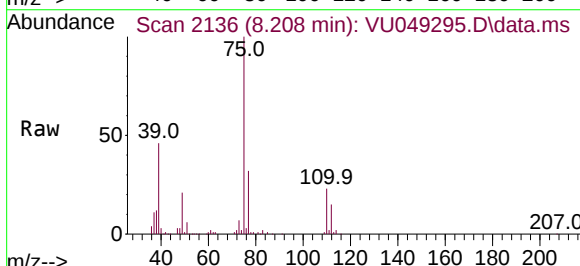
Acq: 20 Jun 2022 10:35

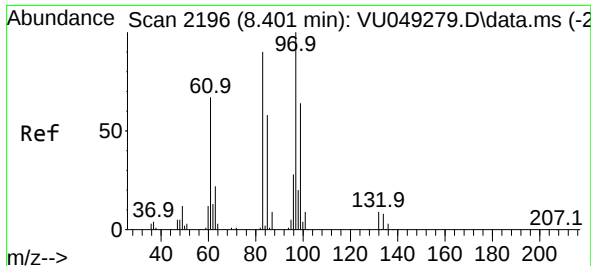
Tgt Ion: 75 Resp: 156691

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



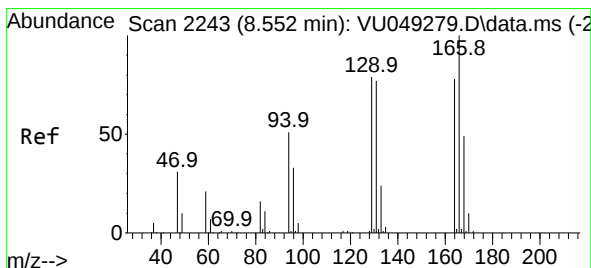
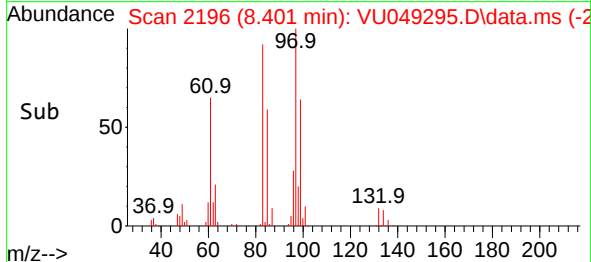
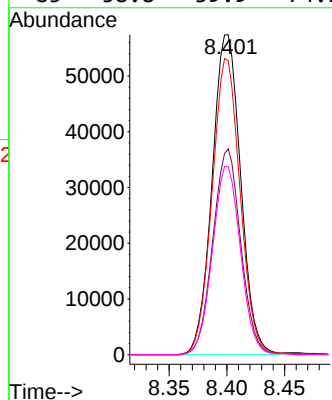
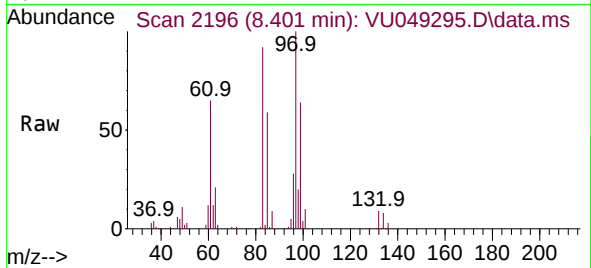


#45
1,1,2-Trichloroethane
Concen: 47.722 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

Tgt Ion: 97 Resp: 98771

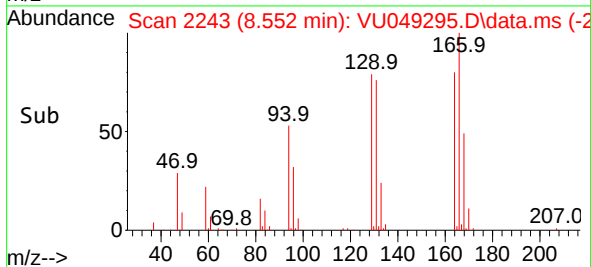
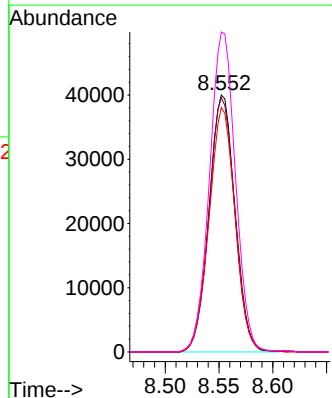
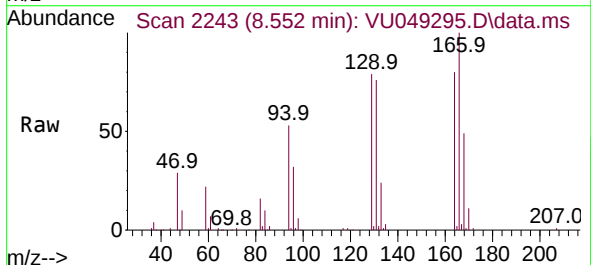
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.5	80.9
83	92.0	60.3	112.1
85	58.8	39.9	74.1

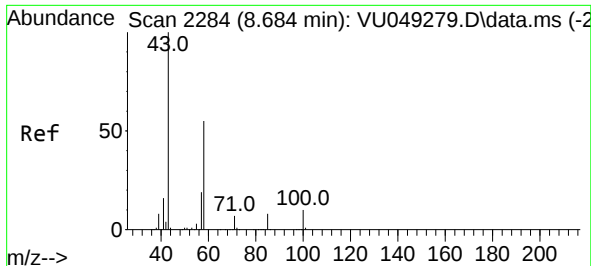


#46
Tetrachloroethene
Concen: 45.508 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 164 Resp: 67361

Ion	Ratio	Lower	Upper
164	100		
129	99.0	70.9	131.7
131	95.1	66.2	123.0
166	124.5	88.1	163.5

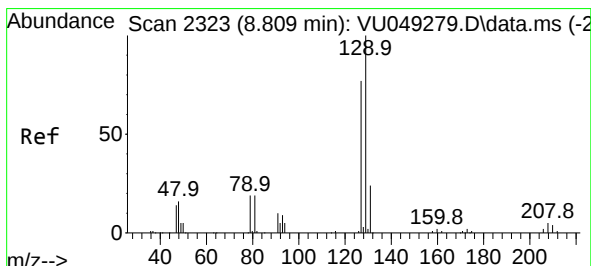
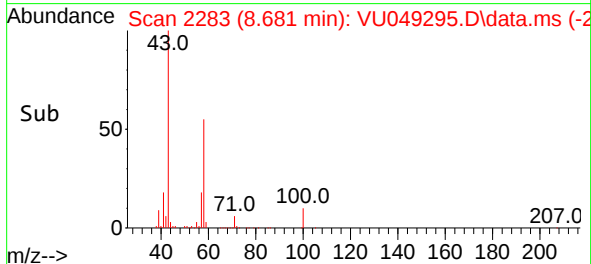
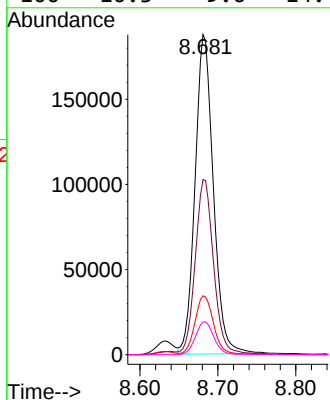
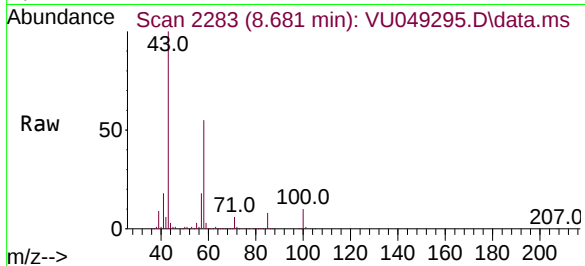




#48
2-Hexanone
Concen: 104.660 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

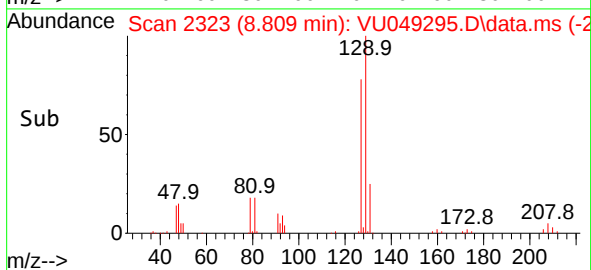
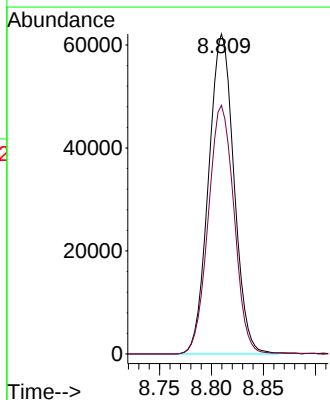
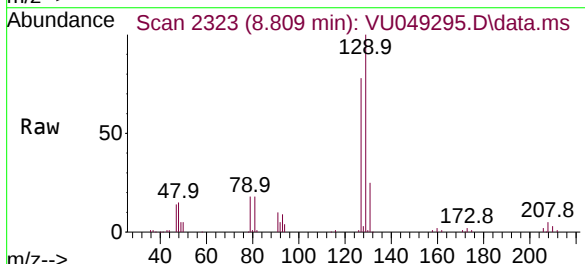
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

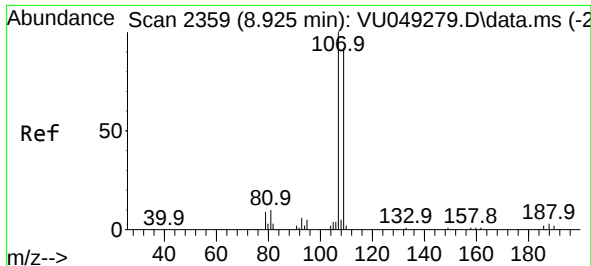
Tgt Ion: 43 Resp: 306179
Ion Ratio Lower Upper
43 100
58 54.5 45.8 68.8
57 18.3 16.2 24.4
100 10.3 9.6 14.4



#49
Dibromochloromethane
Concen: 45.872 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 129 Resp: 105709
Ion Ratio Lower Upper
129 100
127 77.7 53.5 99.5

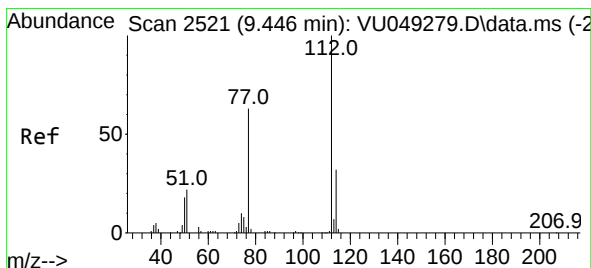
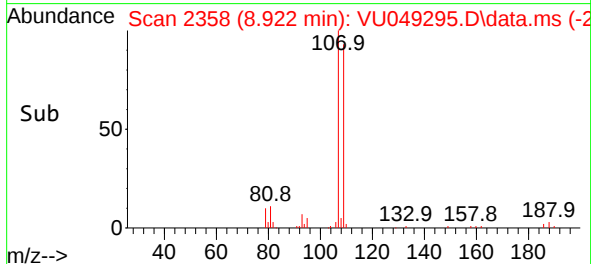
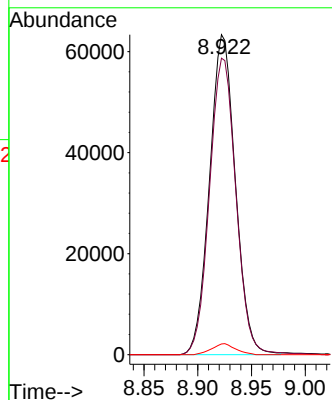
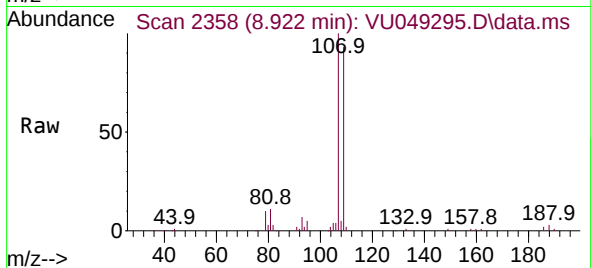




#50
1,2-Dibromoethane
Concen: 48.673 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

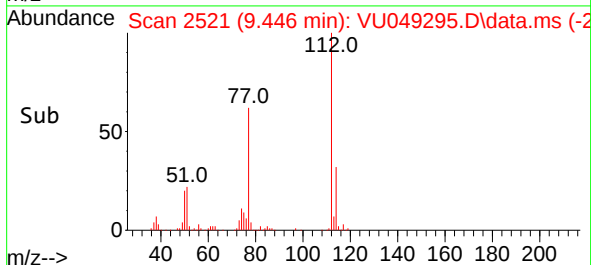
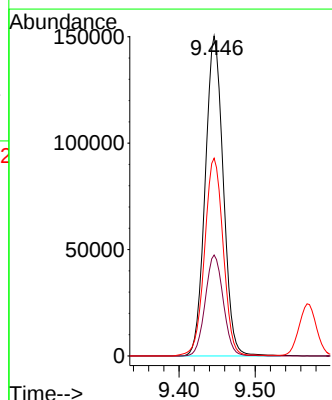
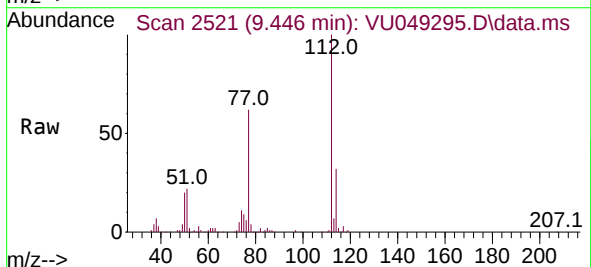
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

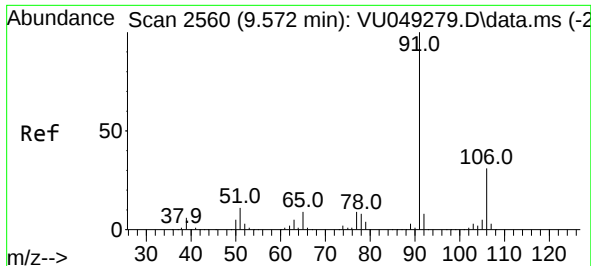
Tgt Ion:107 Resp: 105979
Ion Ratio Lower Upper
107 100
109 92.7 67.2 124.8
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 46.909 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion:112 Resp: 248251
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 61.8 47.1 70.7

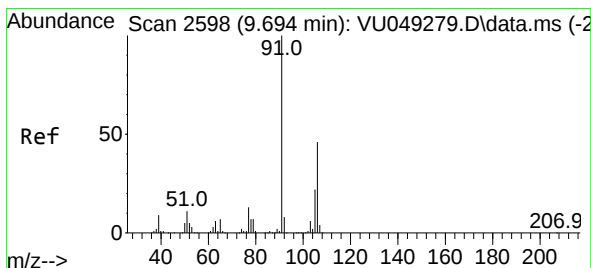
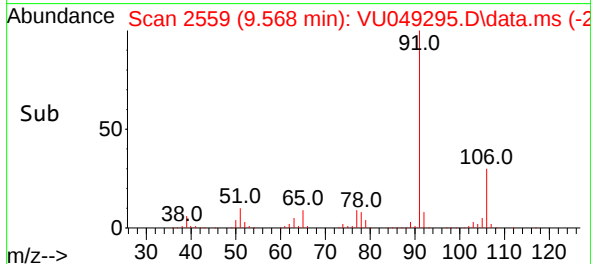
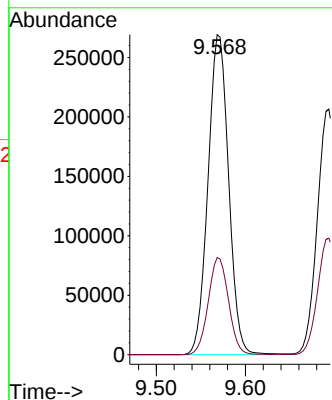
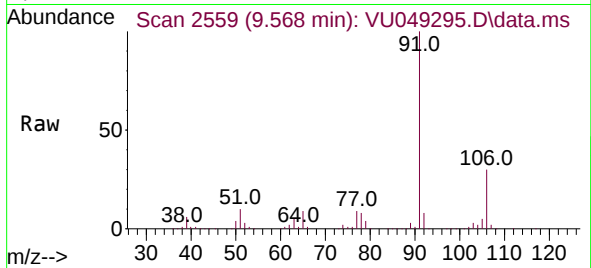




#52
Ethylbenzene
Concen: 50.813 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

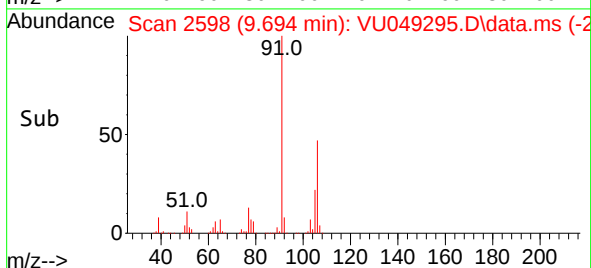
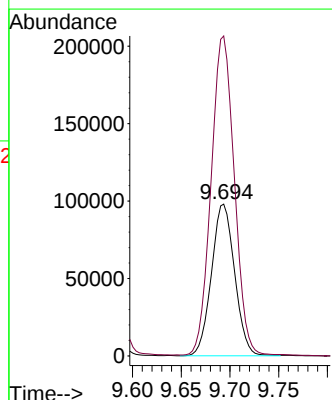
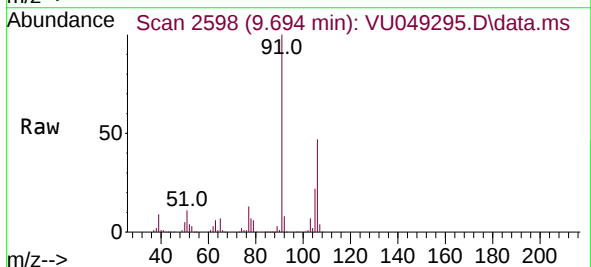
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

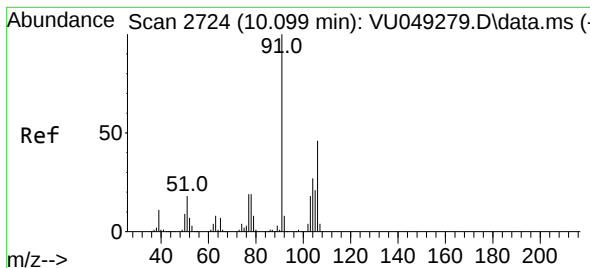
Tgt Ion: 91 Resp: 432531
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.2



#53
m,p-Xylene
Concen: 48.448 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 106 Resp: 161950
Ion Ratio Lower Upper
106 100
91 210.8 137.4 255.2

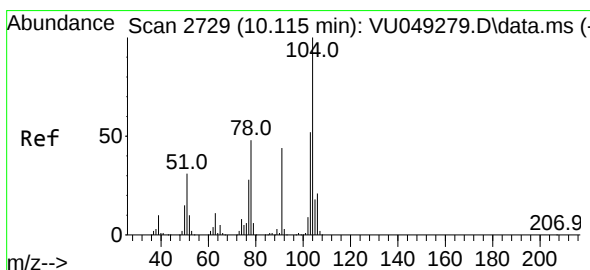
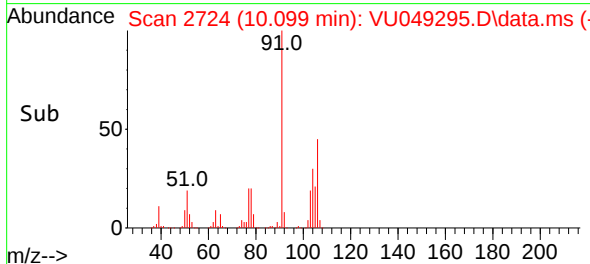
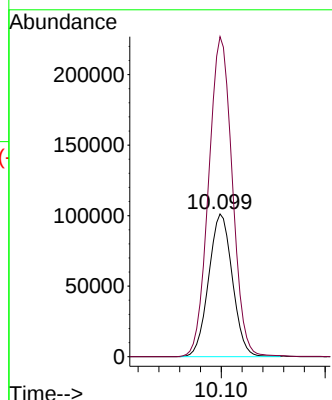
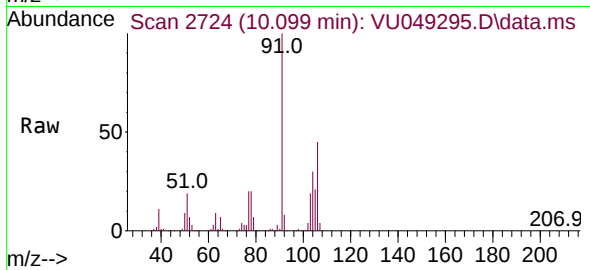




#54
o-Xylene
Concen: 47.646 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

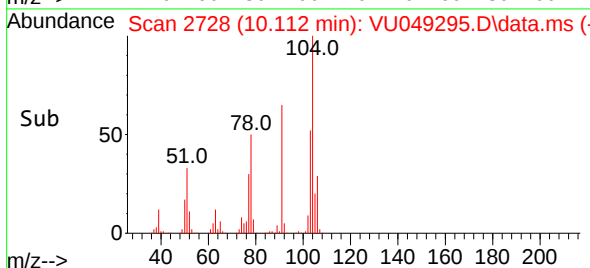
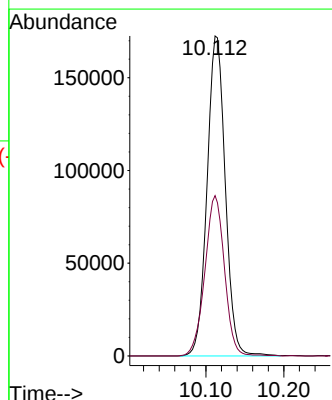
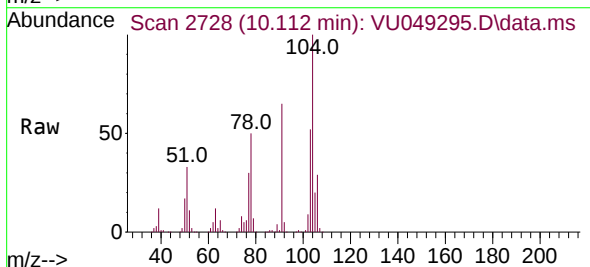
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

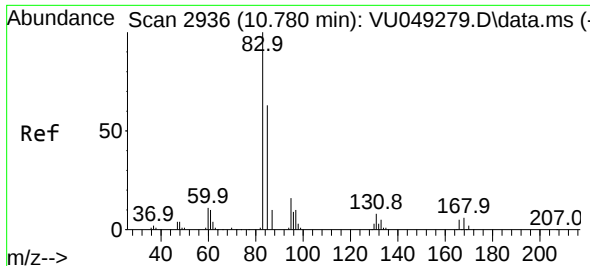
Tgt Ion:106 Resp: 160465
Ion Ratio Lower Upper
106 100
91 224.2 145.2 269.6



#55
Styrene
Concen: 49.886 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion:104 Resp: 280569
Ion Ratio Lower Upper
104 100
78 50.1 32.6 60.6

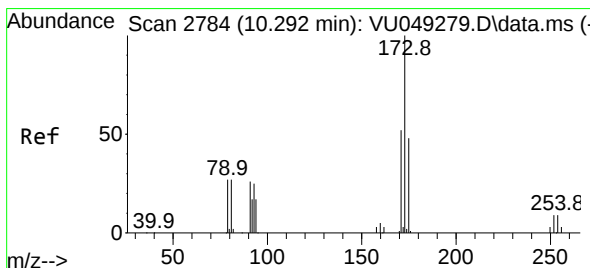
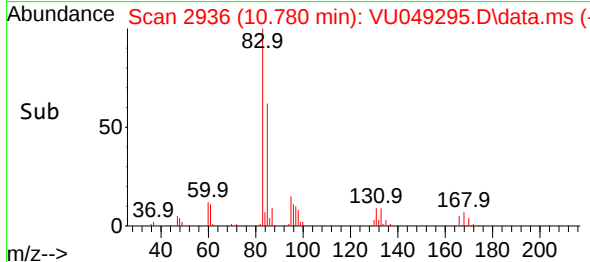
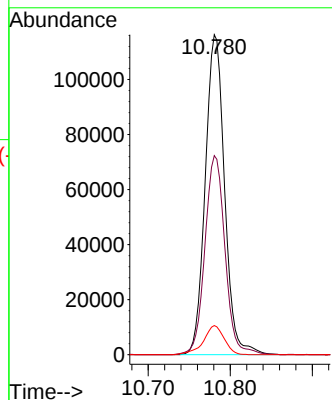
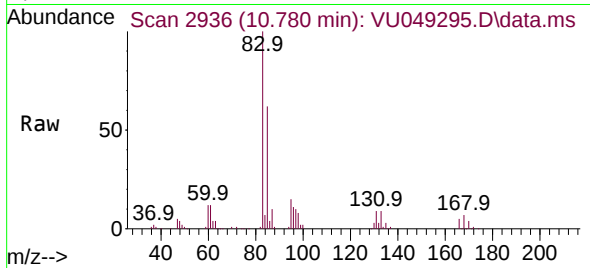




#57
1,1,2,2-Tetrachloroethane
Concen: 49.546 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

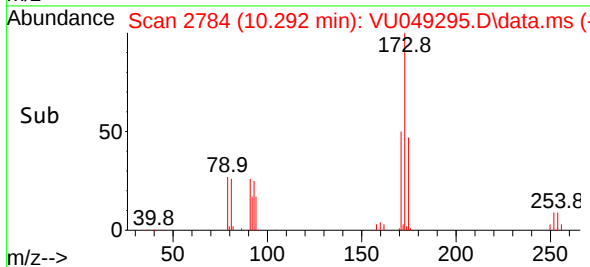
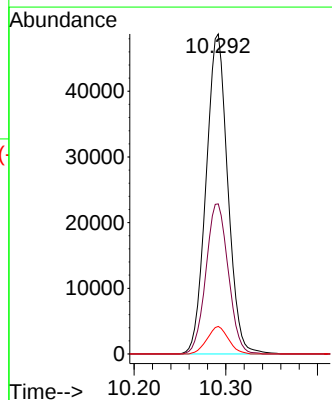
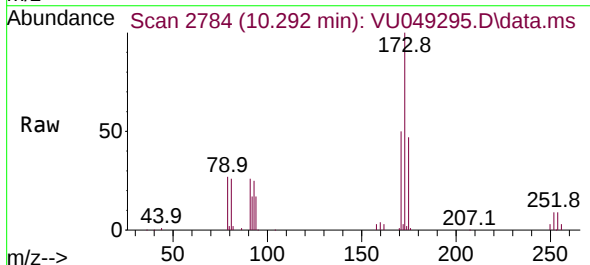
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

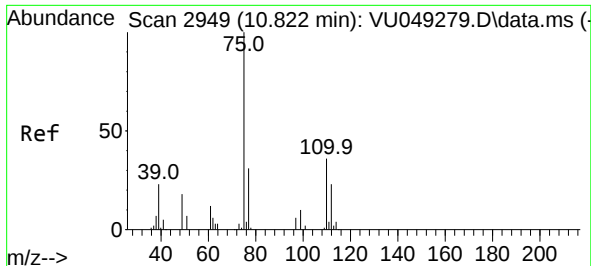
Tgt Ion: 83 Resp: 191103
Ion Ratio Lower Upper
83 100
85 62.2 44.5 82.7
131 9.1 7.6 11.4



#59
Bromoform
Concen: 41.106 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 173 Resp: 79948
Ion Ratio Lower Upper
173 100
175 48.4 37.8 56.8
254 8.4 7.2 10.8

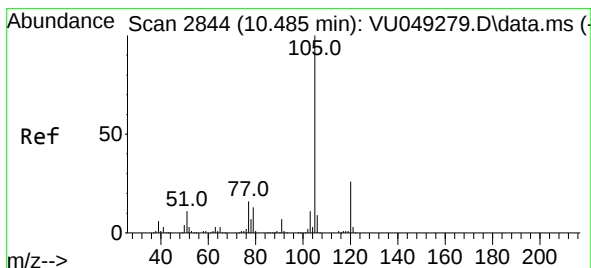
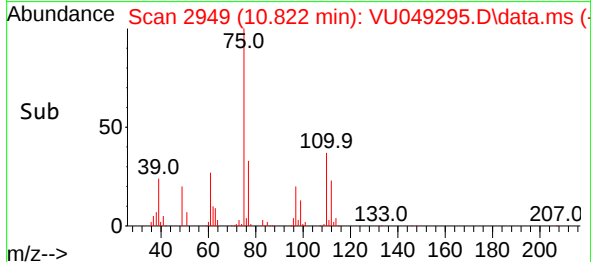
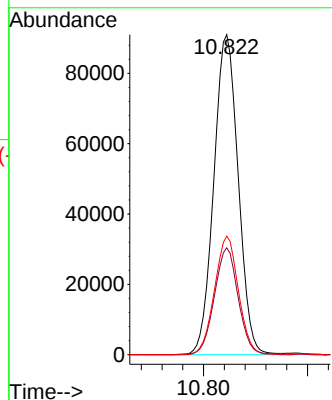
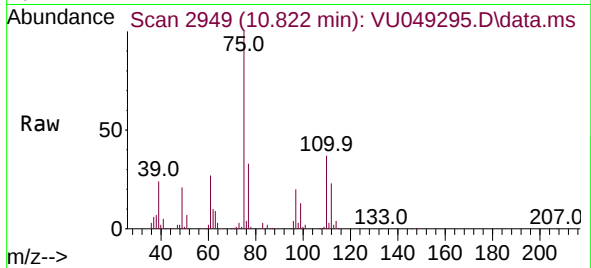




#60
1,2,3-Trichloropropane
Concen: 44.302 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

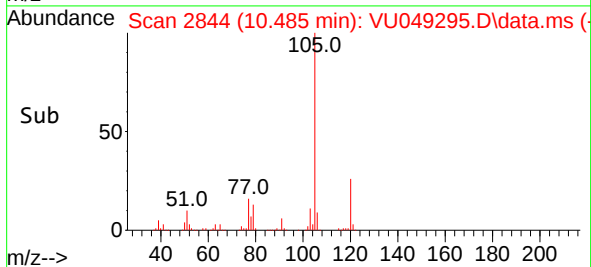
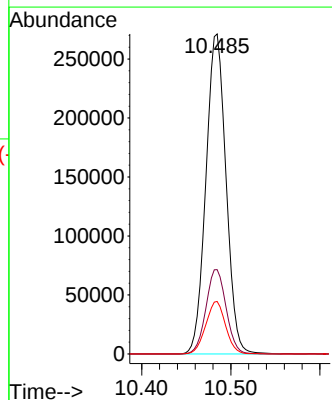
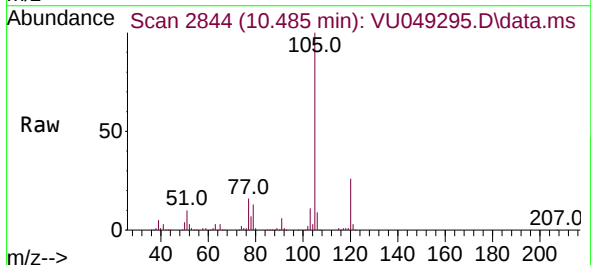
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

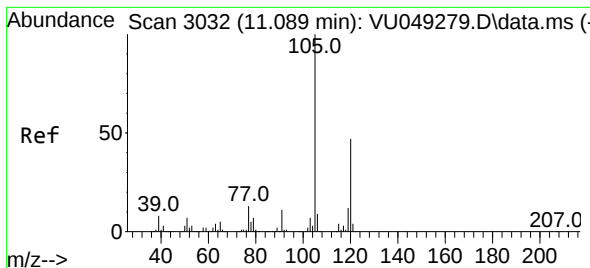
Tgt Ion: 75 Resp: 148095
Ion Ratio Lower Upper
75 100
77 32.6 26.6 40.0
110 36.3 30.2 45.4



#61
Isopropylbenzene
Concen: 47.483 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 105 Resp: 425059
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 16.2 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 49.746 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

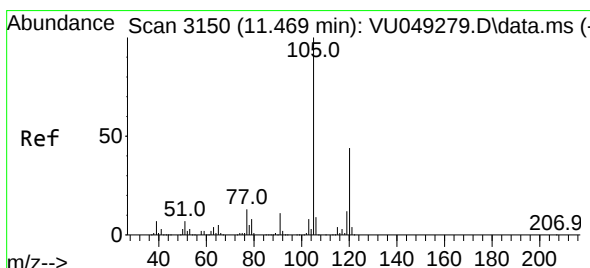
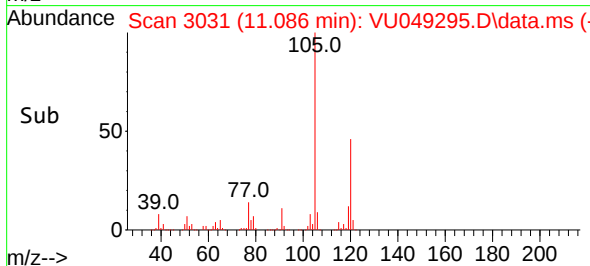
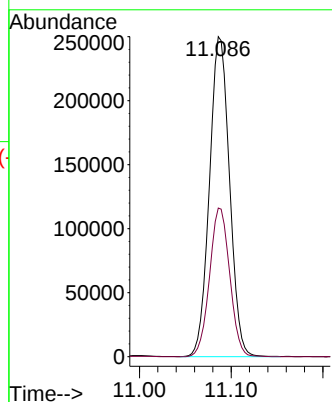
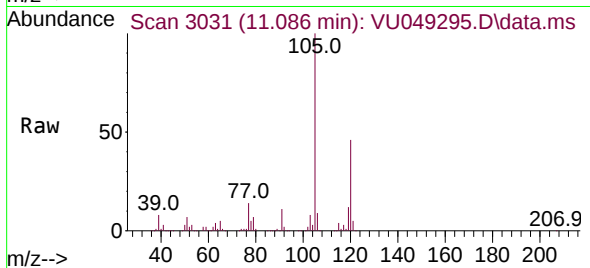
VSTD050152

Tgt Ion:105 Resp: 380191

Ion Ratio Lower Upper

105 100

120 46.6 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 49.395 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049295.D

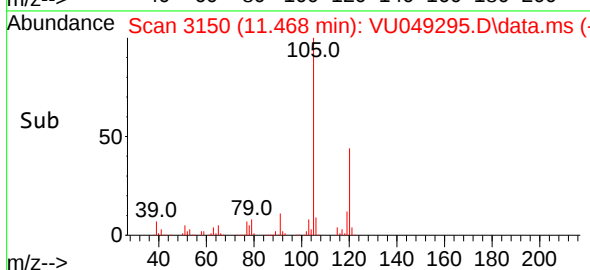
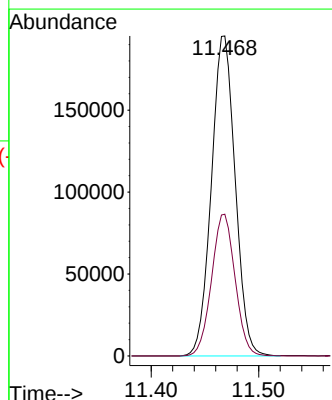
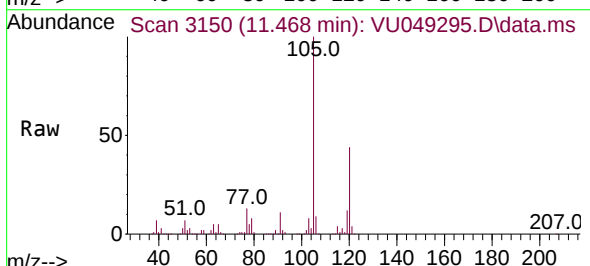
Acq: 20 Jun 2022 10:35

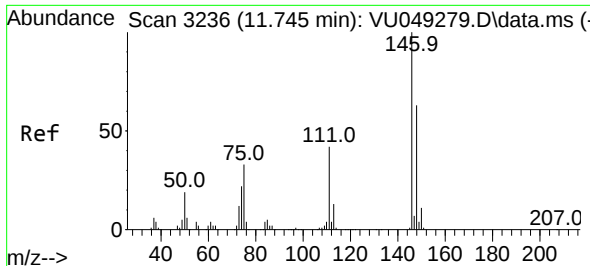
Tgt Ion:105 Resp: 300554

Ion Ratio Lower Upper

105 100

120 43.7 36.3 54.5

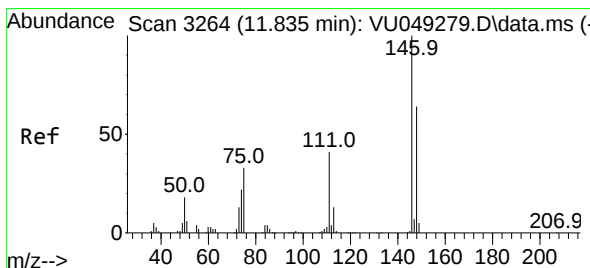
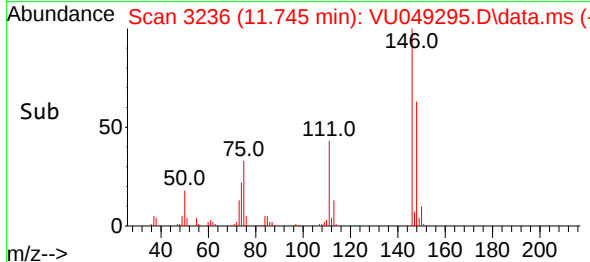
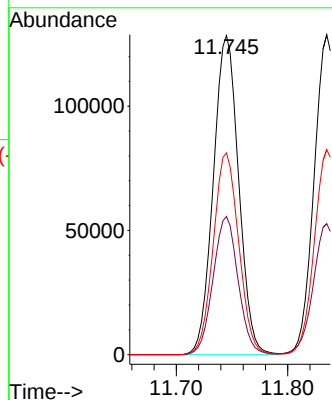
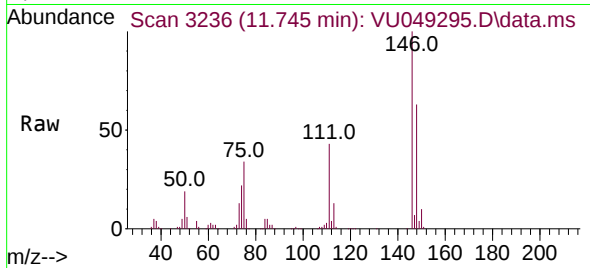




#64
1,3-Dichlorobenzene
Concen: 46.249 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

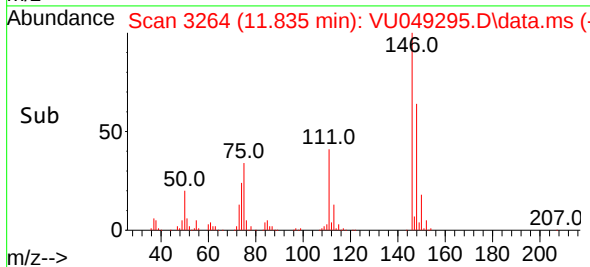
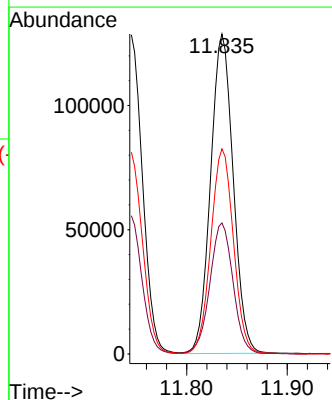
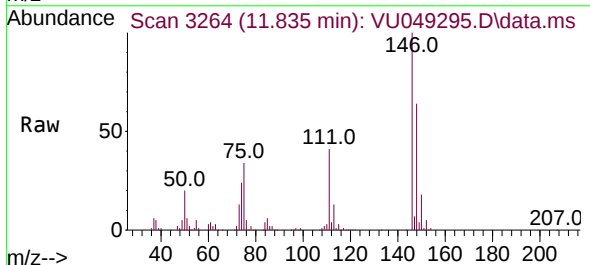
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

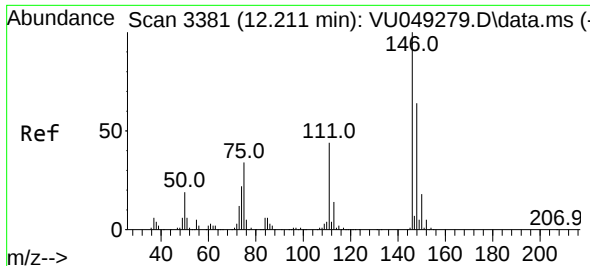
Tgt Ion:146 Resp: 203089
Ion Ratio Lower Upper
146 100
111 43.3 29.8 55.3
148 63.2 45.8 85.0



#65
1,4-Dichlorobenzene
Concen: 45.233 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion:146 Resp: 201107
Ion Ratio Lower Upper
146 100
111 40.9 28.1 52.1
148 64.1 44.9 83.3

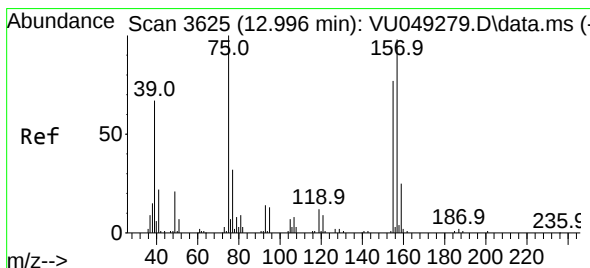
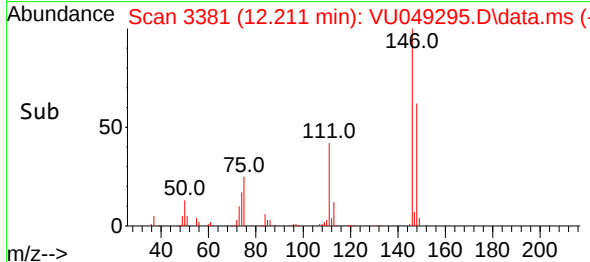
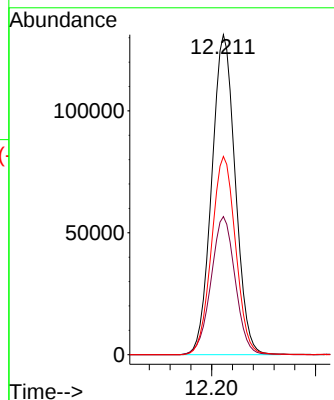
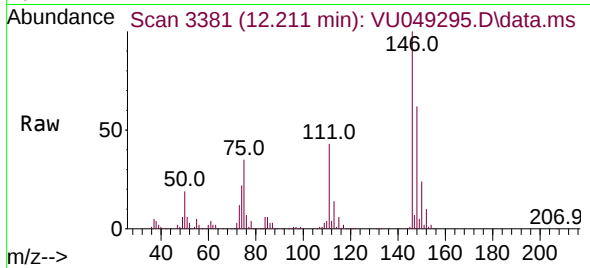




#67
1,2-Dichlorobenzene
Concen: 45.332 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

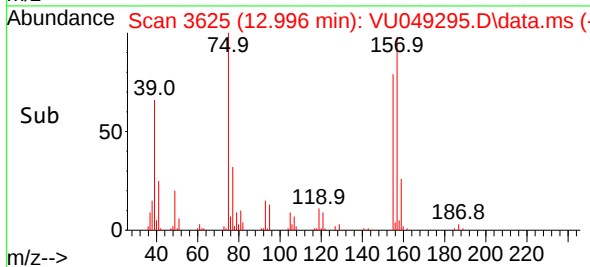
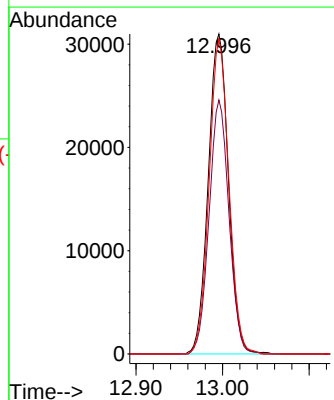
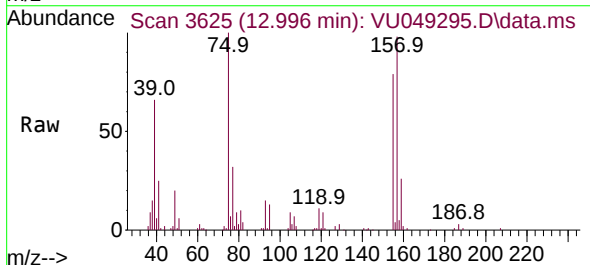
Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

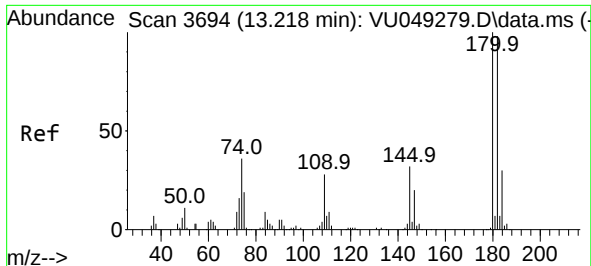
Tgt Ion:146 Resp: 206581
Ion Ratio Lower Upper
146 100
111 43.1 33.9 50.9
148 61.9 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 45.460 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion: 75 Resp: 50157
Ion Ratio Lower Upper
75 100
155 79.4 61.0 91.6
157 98.4 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 47.850 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. -0.000 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050152

Tgt Ion:180 Resp: 150106

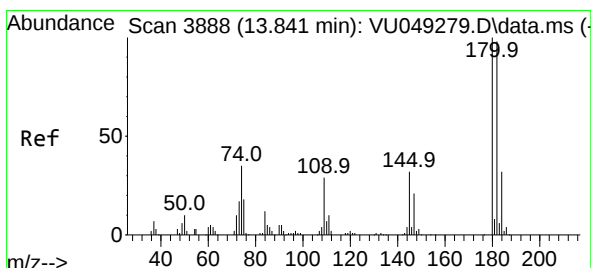
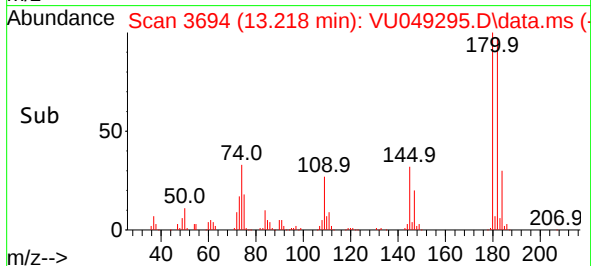
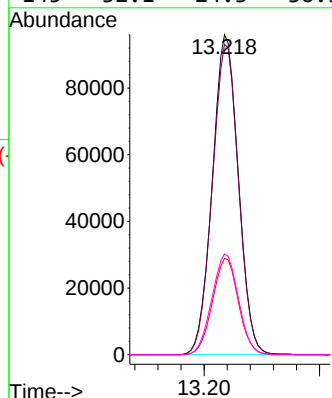
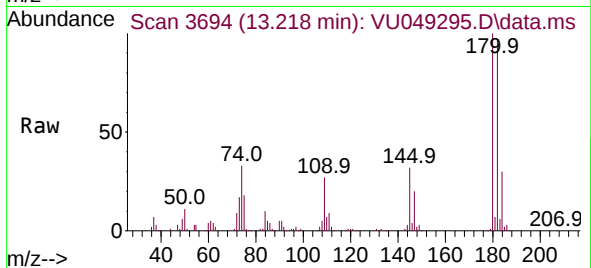
Ion Ratio Lower Upper

180 100

182 97.6 76.0 114.0

184 30.0 24.5 36.7

145 32.1 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 50.935 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU049295.D

Acq: 20 Jun 2022 10:35

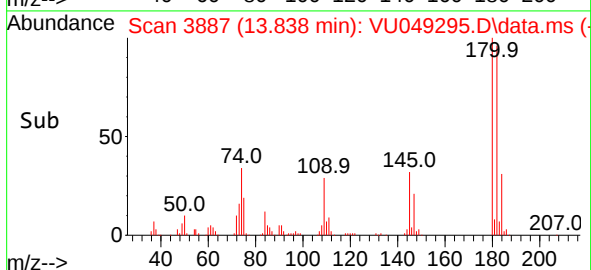
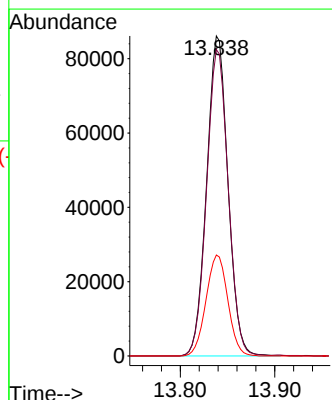
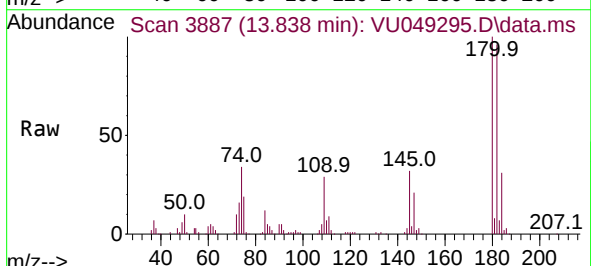
Tgt Ion:180 Resp: 135116

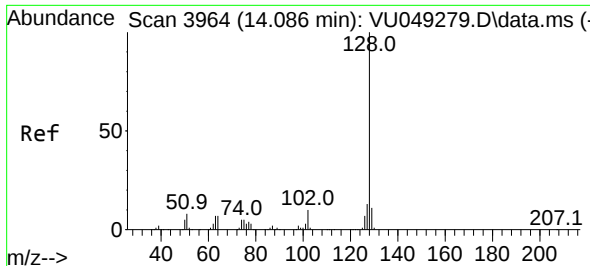
Ion Ratio Lower Upper

180 100

182 97.0 78.2 117.2

145 32.2 25.0 37.4

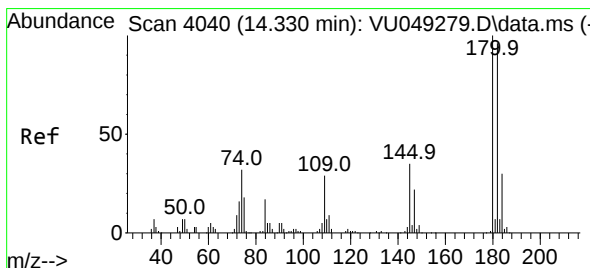
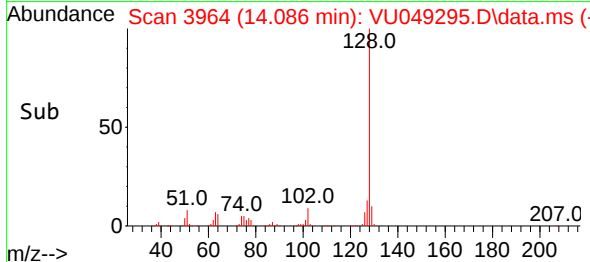
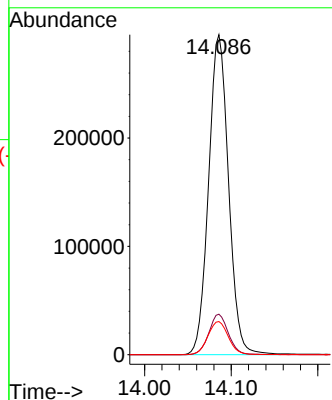
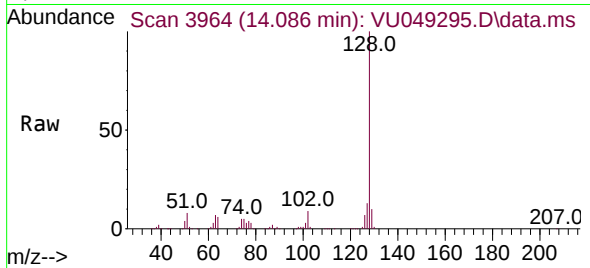




#71
Naphthalene
Concen: 50.339 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050152

Tgt Ion:128 Resp: 472440
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 49.369 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU049295.D
Acq: 20 Jun 2022 10:35

Tgt Ion:180 Resp: 138528
Ion Ratio Lower Upper
180 100
182 97.2 77.3 115.9
145 34.3 26.3 39.5

