

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050223\
 Data File : VU054049.D
 Acq On : 02 May 2023 17:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: May 03 05:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 03 05:19:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	252436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	237327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130596	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84131	44.066	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.140%		
7) Chloroethane-d5	1.906	69	55910	44.613	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.220%		
11) 1,1-Dichloroethene-d2	2.565	63	157101	46.394	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.780%		
21) 2-Butanone-d5	4.620	46	119127	109.403	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.400%		
24) Chloroform-d	5.057	84	172895	49.308	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.620%		
26) 1,2-Dichloroethane-d4	5.694	65	110495	49.079	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.160%		
32) Benzene-d6	5.719	84	330510	47.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.620%		
36) 1,2-Dichloropropane-d6	6.684	67	107143	48.584	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.160%		
41) Toluene-d8	7.893	98	308165	48.862	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.720%		
43) trans-1,3-Dichloroprop...	8.173	79	53411	48.939	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.880%		
47) 2-Hexanone-d5	8.629	63	77739	98.418	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.420%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	149831	51.579	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	126469	49.572	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	88244	48.451	ug/L	99
3) Chloromethane	1.517	50	82571	49.330	ug/L	98
5) Vinyl chloride	1.604	62	87878	49.360	ug/L	97
6) Bromomethane	1.855	94	45574	45.921	ug/L	95
8) Chloroethane	1.929	64	47582	49.045	ug/L	99
9) Trichlorofluoromethane	2.134	101	141661	50.142	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	83870	49.637	ug/L	99
12) 1,1-Dichloroethene	2.575	96	73037	49.879	ug/L	100
13) Acetone	2.630	43	99225	92.840	ug/L	97
14) Carbon disulfide	2.790	76	154774	47.623	ug/L	99
15) Methyl Acetate	2.945	43	91293	54.543	ug/L	96
16) Methylene chloride	3.041	84	92522	50.100	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	75831	50.646	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	279979	50.863	ug/L	99
19) 1,1-Dichloroethane	3.861	63	164151	51.061	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	92653	50.355	ug/L	97
22) 2-Butanone	4.700	43	132952	105.365	ug/L	97
23) Bromochloromethane	4.967	128	48590	50.937	ug/L	97
25) Chloroform	5.083	83	173084	51.021	ug/L	96

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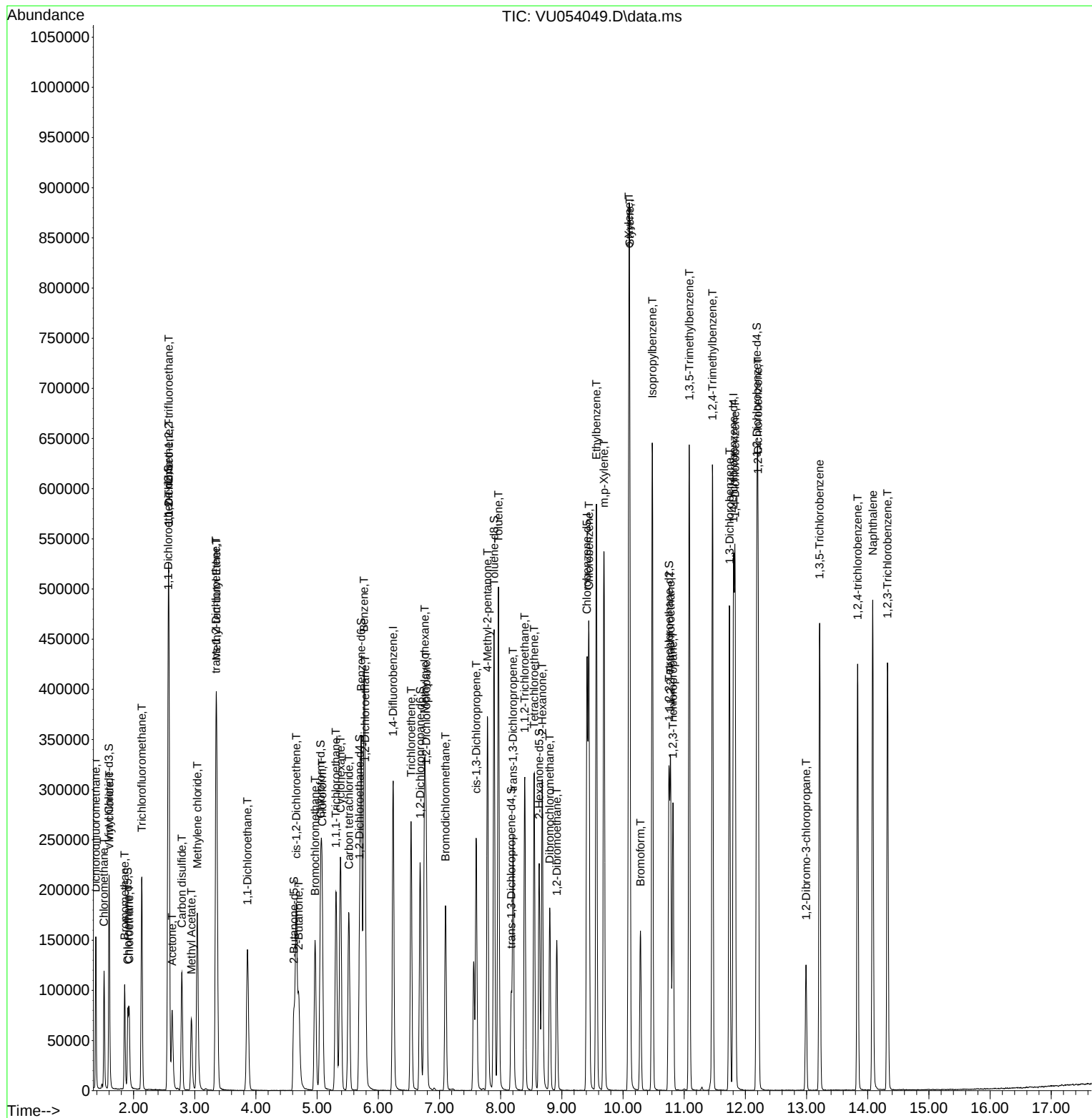
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	134427	51.517	ug/L	99
29) Cyclohexane	5.382	56	117269	47.811	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	146187	49.419	ug/L	99
31) Carbon tetrachloride	5.520	117	126082	49.960	ug/L	99
33) Benzene	5.768	78	349414	50.582	ug/L	100
34) Trichloroethene	6.536	95	90984	49.625	ug/L	98
35) Methylcyclohexane	6.758	83	123299	47.951	ug/L	99
37) 1,2-Dichloropropane	6.784	63	96193	49.220	ug/L	99
38) Bromodichloromethane	7.099	83	125219	50.856	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	155735	50.939	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	241018	105.824	ug/L	99
42) Toluene	7.964	91	368466	51.237	ug/L	99
44) trans-1,3-Dichloropropene	8.202	75	148065	50.960	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	97222	51.395	ug/L	96
46) Tetrachloroethene	8.549	164	71483	49.145	ug/L	98
48) 2-Hexanone	8.681	43	191853	106.293	ug/L	98
49) Dibromochloromethane	8.803	129	93579	50.203	ug/L	97
50) 1,2-Dibromoethane	8.919	107	100550	52.369	ug/L	99
51) Chlorobenzene	9.443	112	245779	51.098	ug/L	100
52) Ethylbenzene	9.565	91	414217	51.177	ug/L	99
53) m,p-Xylene	9.690	106	153917	50.643	ug/L	94
54) o-Xylene	10.095	106	155731	52.375	ug/L	98
55) Styrene	10.108	104	270273	52.995	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	153883	51.641	ug/L	99
59) Bromoform	10.285	173	73104	50.000	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	122750	50.602	ug/L	99
61) Isopropylbenzene	10.478	105	416318	50.501	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	341547	50.559	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	341065	51.223	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	201476	49.971	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	204963	49.915	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	202891	49.861	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	30856	49.859	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	147433	50.463	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	129179	48.771	ug/L	99
71) Naphthalene	14.082	128	389124	50.651	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	133717	50.751	ug/L	99

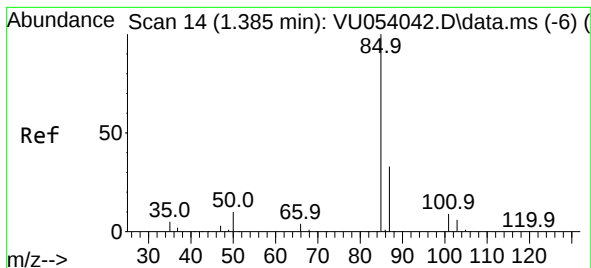
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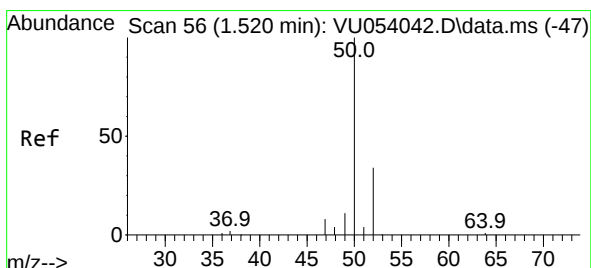
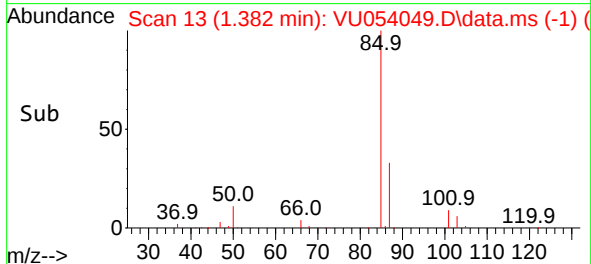
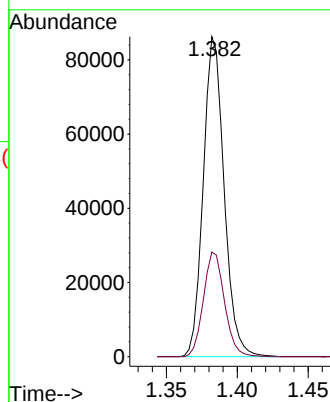
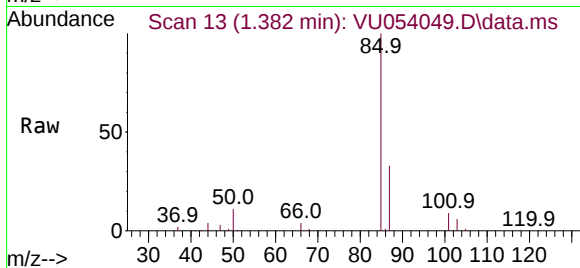




#2
Dichlorodifluoromethane
Concen: 48.451 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

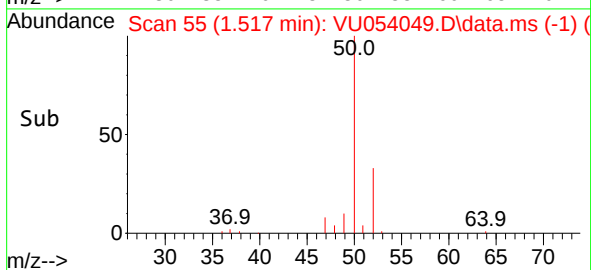
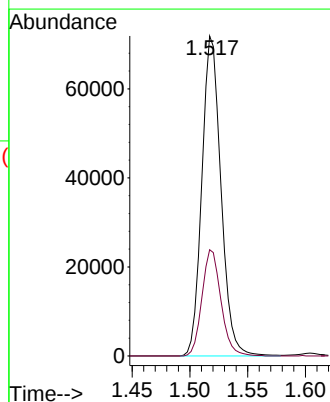
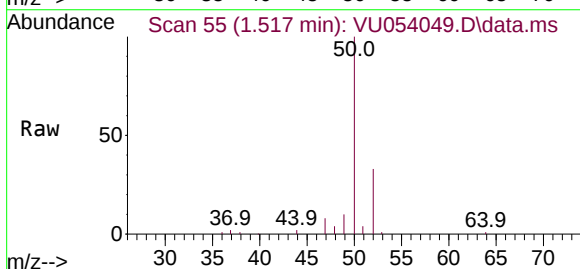
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ClientSampleId :
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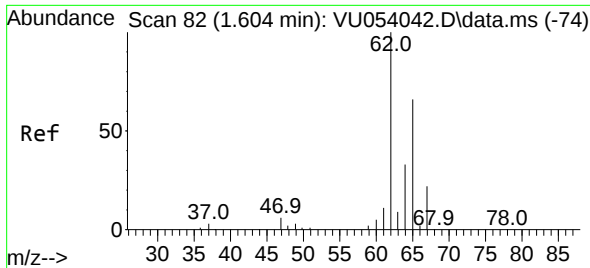
Tgt Ion: 85 Resp: 88244
Ion Ratio Lower Upper
85 100
87 32.9 26.0 39.0



#3
Chloromethane
Concen: 49.330 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 50 Resp: 82571
Ion Ratio Lower Upper
50 100
52 33.2 22.4 41.6

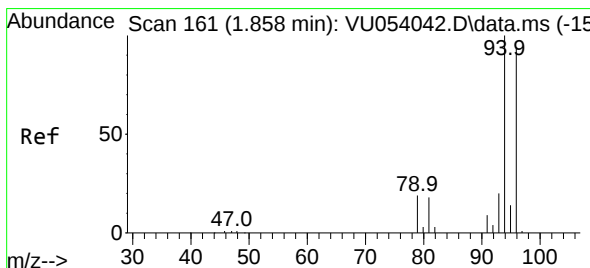
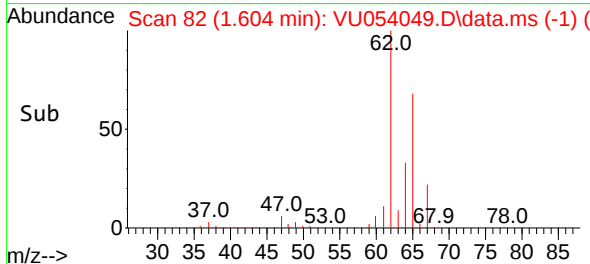
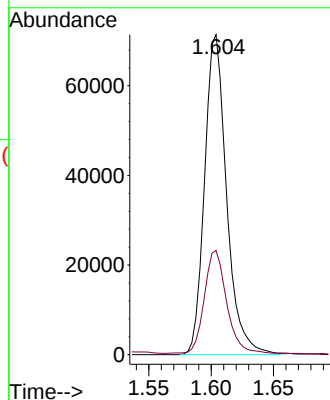
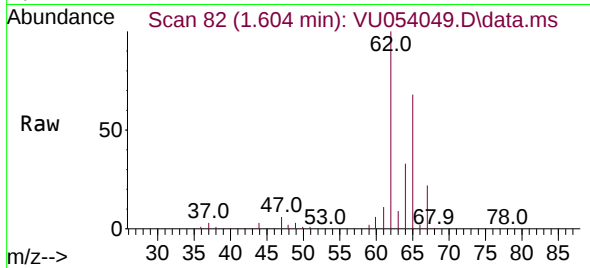




#5
 Vinyl chloride
 Concen: 49.360 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

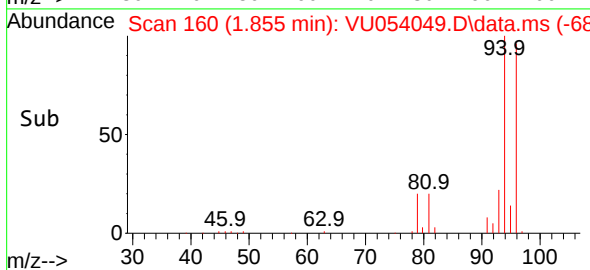
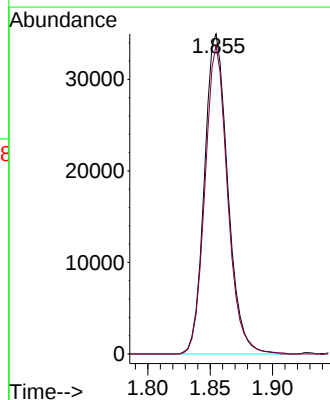
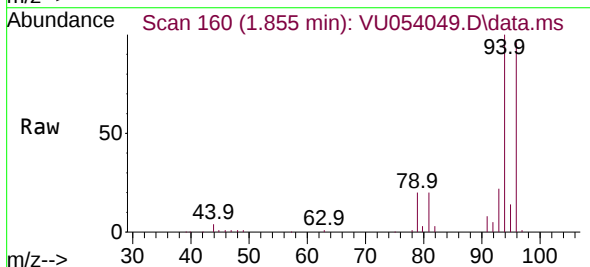
Instrument :
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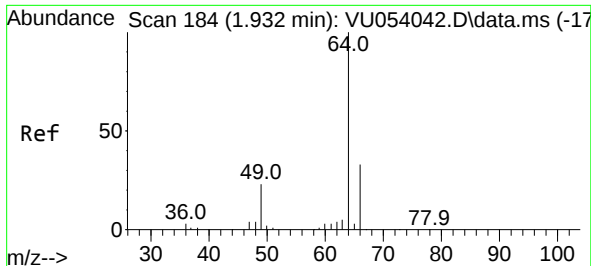
Tgt Ion: 62 Resp: 87878
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.1 44.7



#6
 Bromomethane
 Concen: 45.921 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

Tgt Ion: 94 Resp: 45574
 Ion Ratio Lower Upper
 94 100
 96 96.4 63.9 118.7

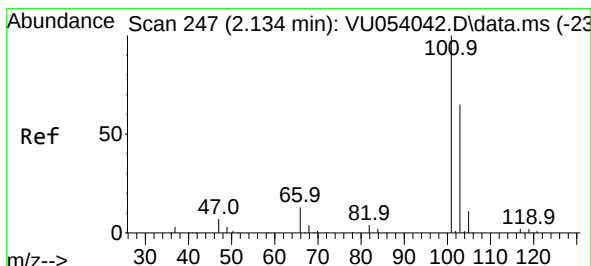
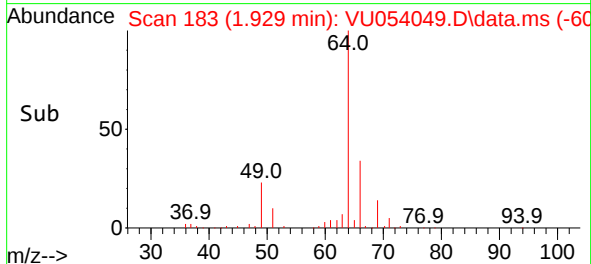
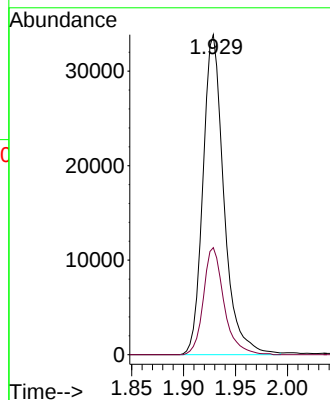
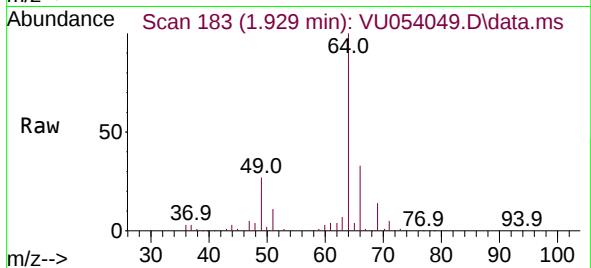




#8
Chloroethane
Concen: 49.045 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

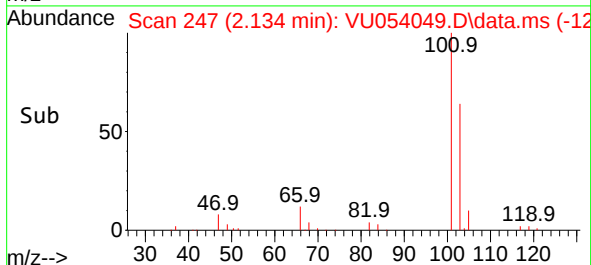
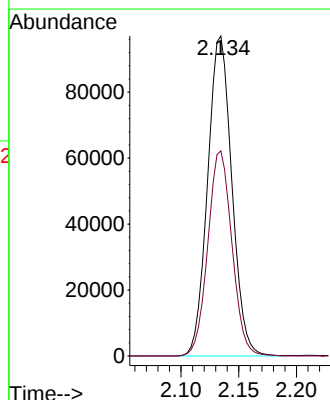
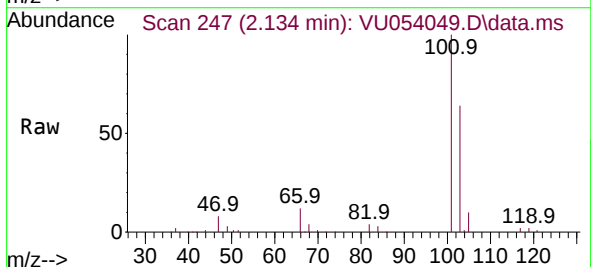
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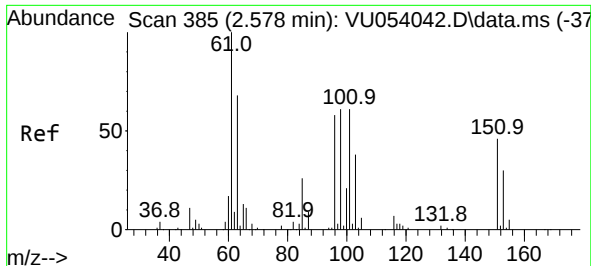
Tgt Ion: 64 Resp: 47582
Ion Ratio Lower Upper
64 100
66 33.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 50.142 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:101 Resp: 141661
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

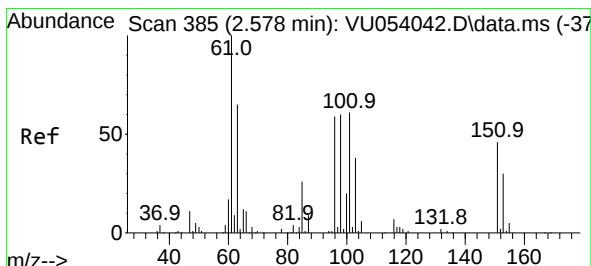
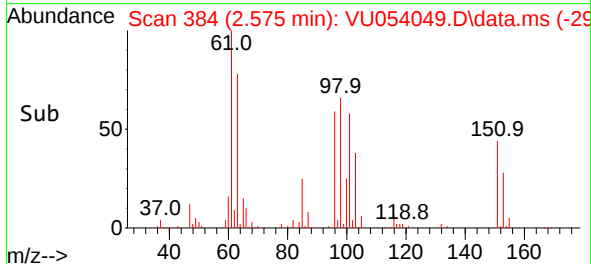
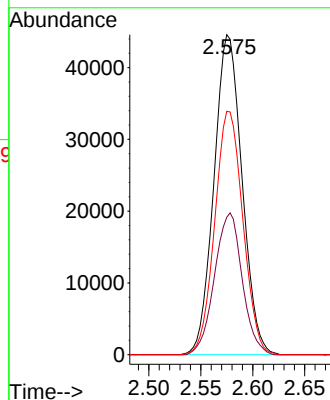
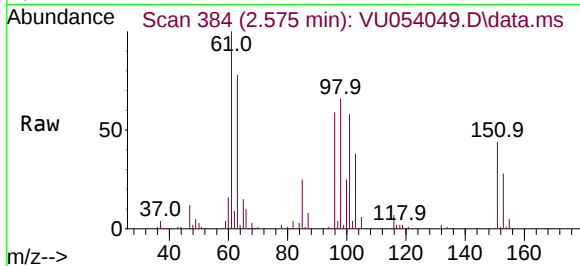




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.637 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

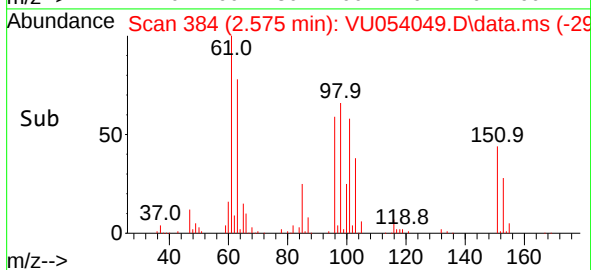
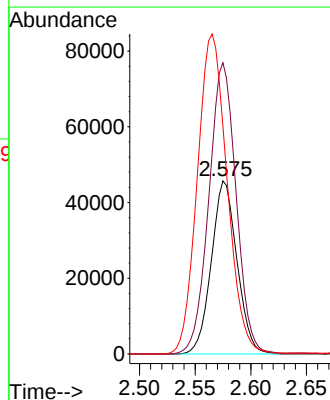
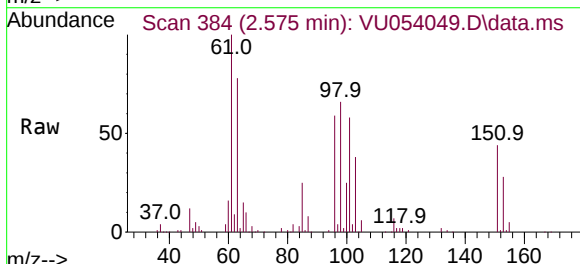
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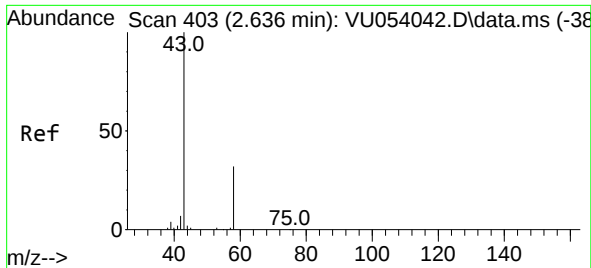
Tgt Ion:101 Resp: 83870
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.3 51.5
 151 76.2 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 49.879 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

Tgt Ion: 96 Resp: 73037
 Ion Ratio Lower Upper
 96 100
 61 168.3 118.3 219.7
 63 131.8 92.3 171.5





#13

Acetone

Concen: 92.840 ug/L

RT: 2.630 min Scan# 403

Delta R.T. -0.006 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

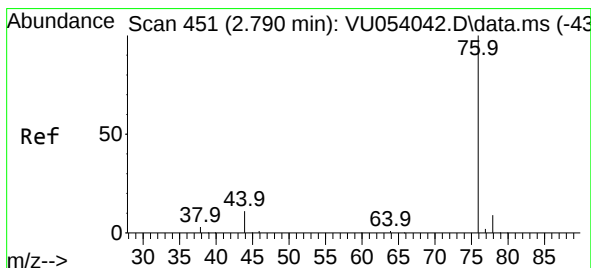
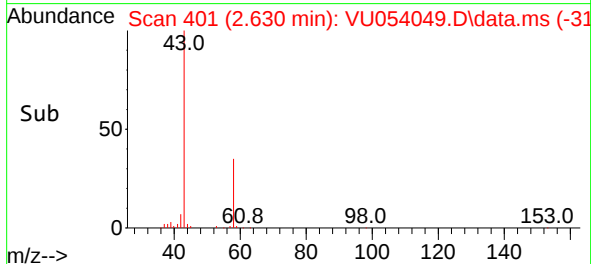
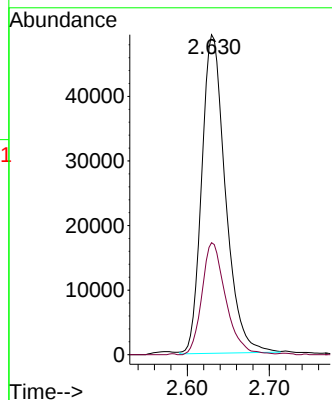
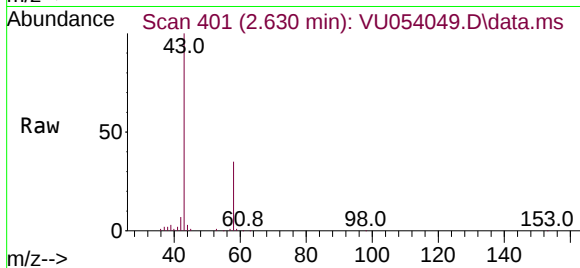
VSTD050088

Tgt Ion: 43 Resp: 99225

Ion Ratio Lower Upper

43 100

58 35.4 0.0 67.4



#14

Carbon disulfide

Concen: 47.623 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

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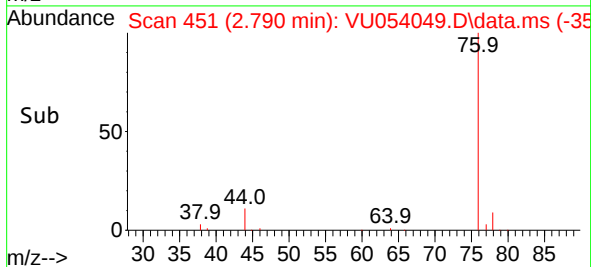
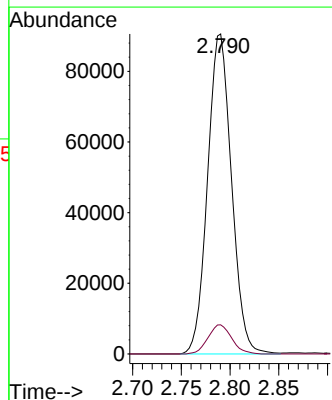
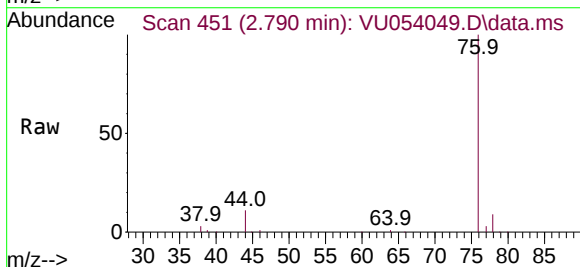
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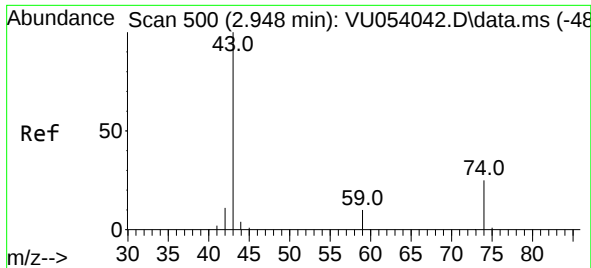
Tgt Ion: 76 Resp: 154774

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#15

Methyl Acetate

Concen: 54.543 ug/L

RT: 2.945 min Scan# 499

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

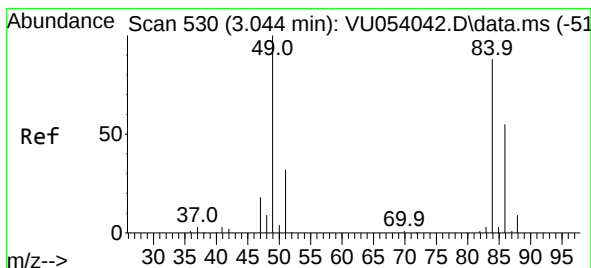
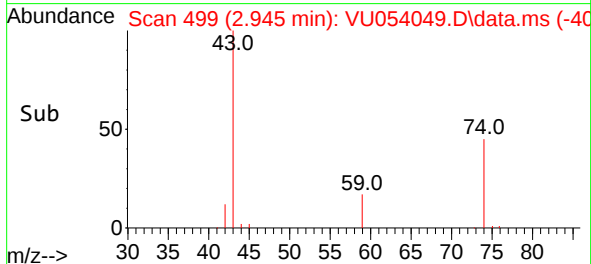
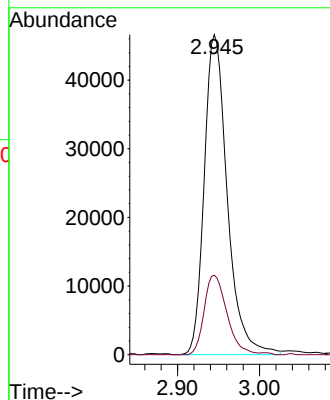
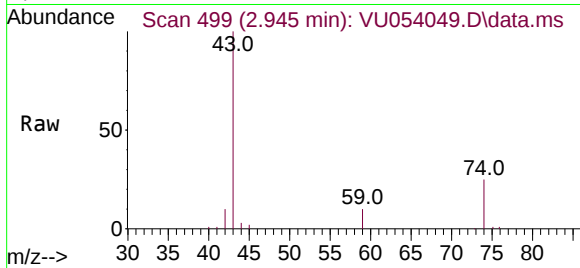
VSTD050088

Tgt Ion: 43 Resp: 91293

Ion Ratio Lower Upper

43 100

74 24.4 21.2 31.8



#16

Methylene chloride

Concen: 50.100 ug/L

RT: 3.041 min Scan# 529

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

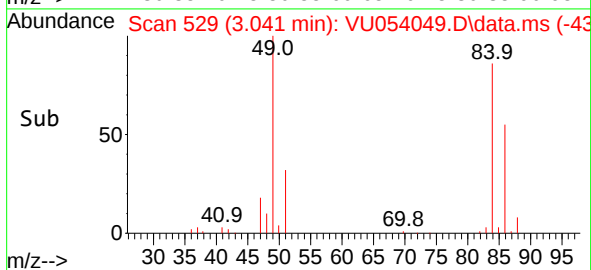
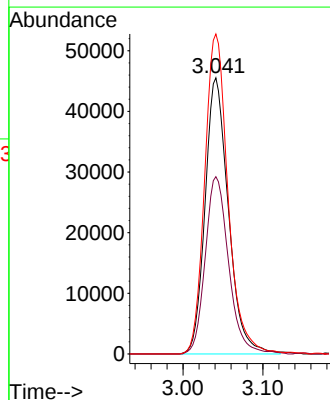
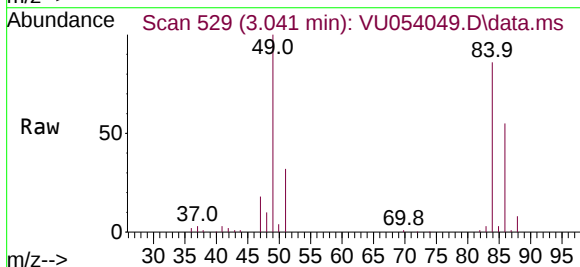
Tgt Ion: 84 Resp: 92522

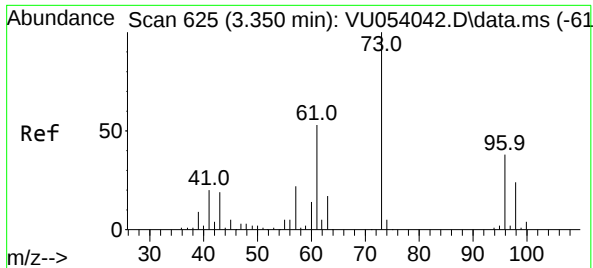
Ion Ratio Lower Upper

84 100

86 64.2 45.8 85.2

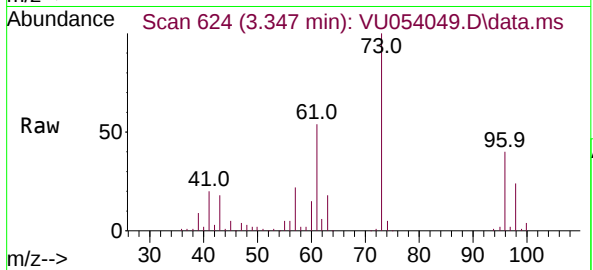
49 115.8 83.0 154.2



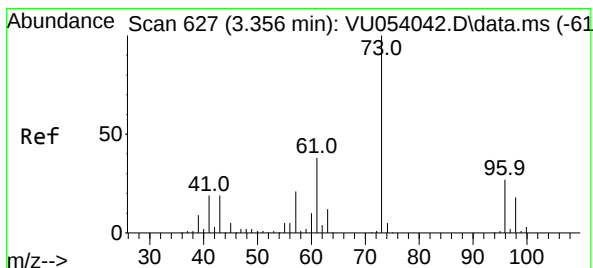
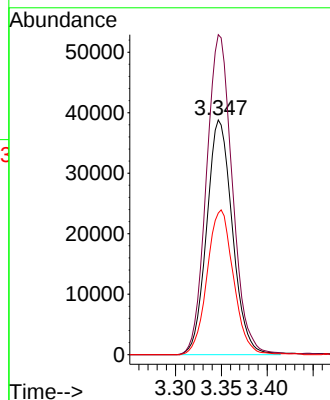
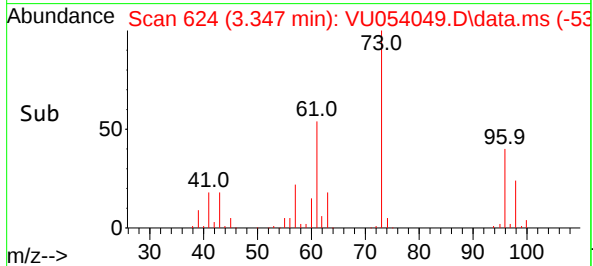


#17
trans-1,2-Dichloroethene
Concen: 50.646 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

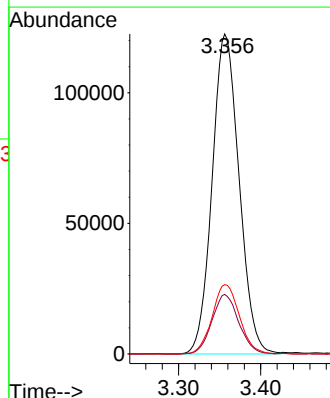
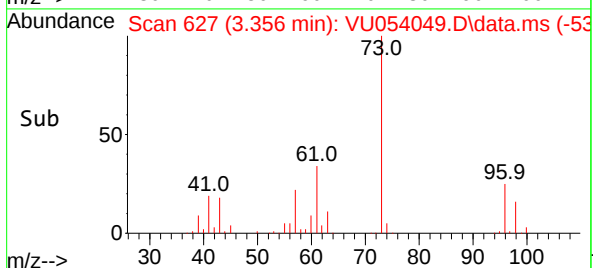
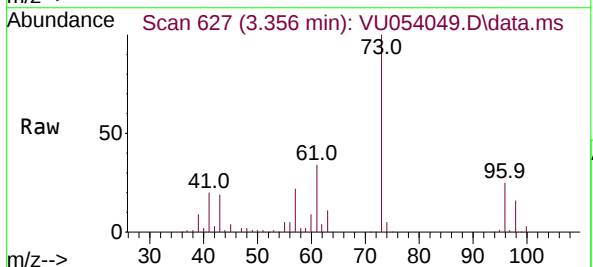


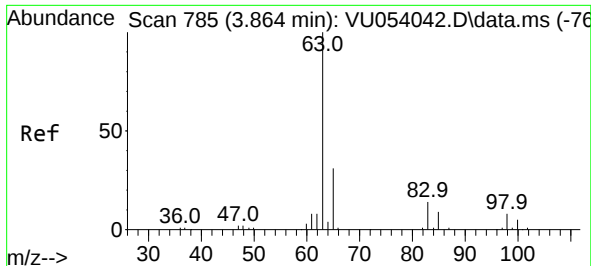
Tgt Ion: 96 Resp: 75831
Ion Ratio Lower Upper
96 100
61 136.3 97.5 181.1
98 60.3 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 50.863 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 73 Resp: 279979
Ion Ratio Lower Upper
73 100
43 18.6 15.4 23.0
57 22.0 18.0 27.0





#19

1,1-Dichloroethane

Concen: 51.061 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050088

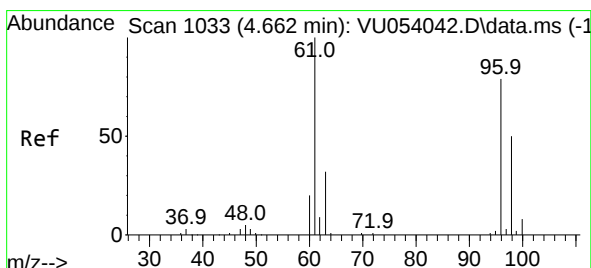
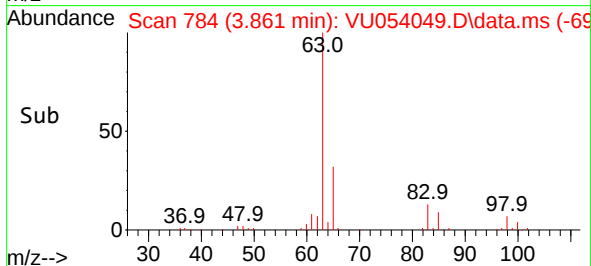
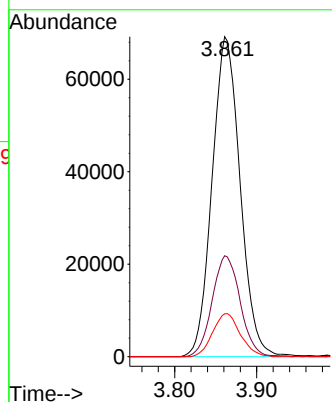
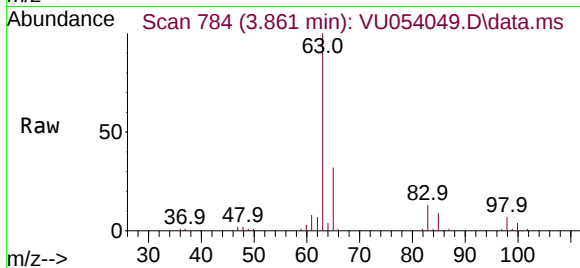
Tgt Ion: 63 Resp: 164151

Ion Ratio Lower Upper

63 100

65 31.6 22.0 40.8

83 13.4 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 50.355 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

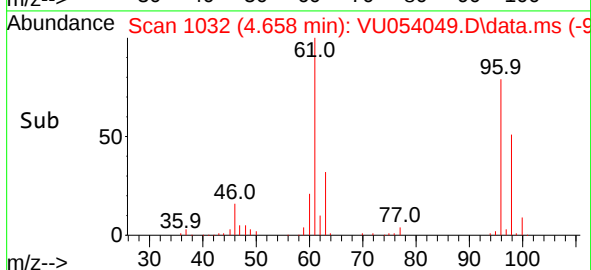
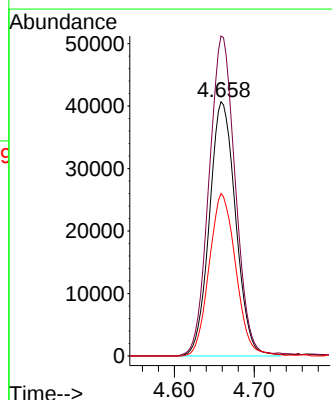
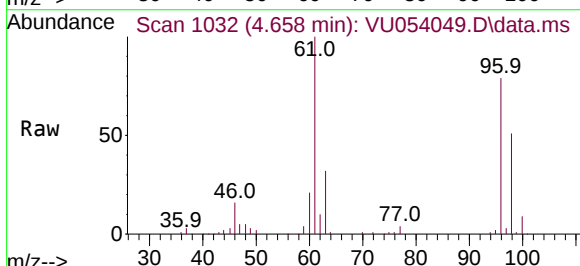
Tgt Ion: 96 Resp: 92653

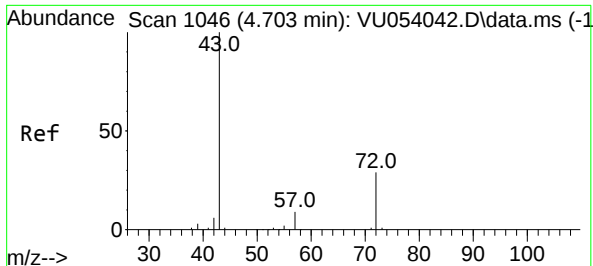
Ion Ratio Lower Upper

96 100

61 125.9 90.9 168.9

98 63.8 45.7 84.9





#22

2-Butanone

Concen: 105.365 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

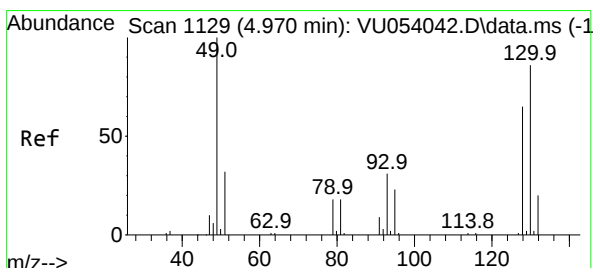
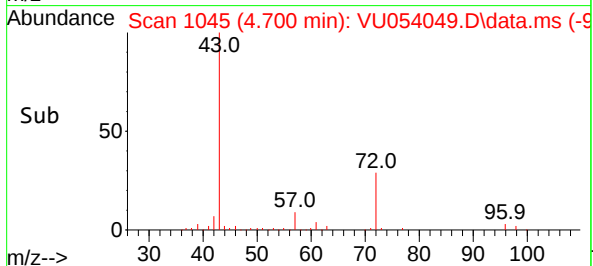
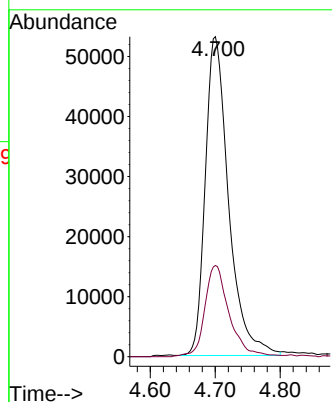
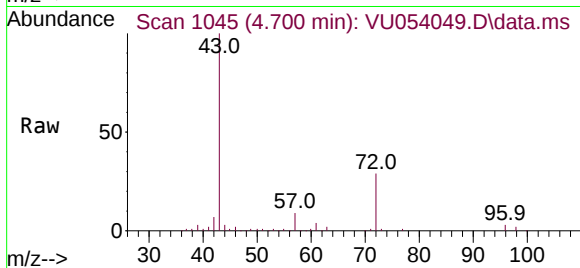
VSTD050088

Tgt Ion: 43 Resp: 132952

Ion Ratio Lower Upper

43 100

72 29.6 14.0 41.9



#23

Bromochloromethane

Concen: 50.937 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Tgt Ion:128 Resp: 48590

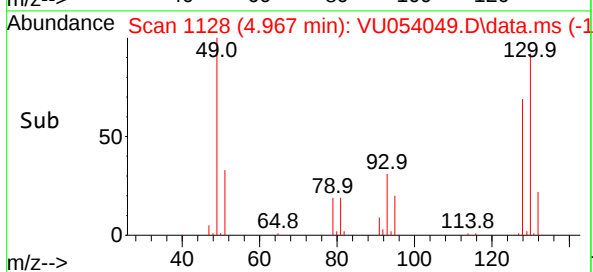
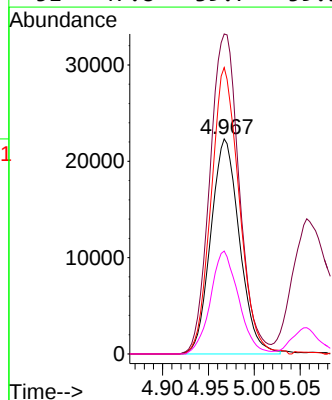
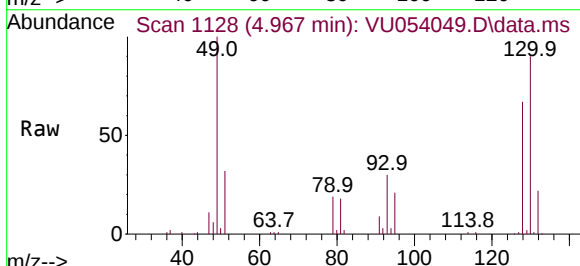
Ion Ratio Lower Upper

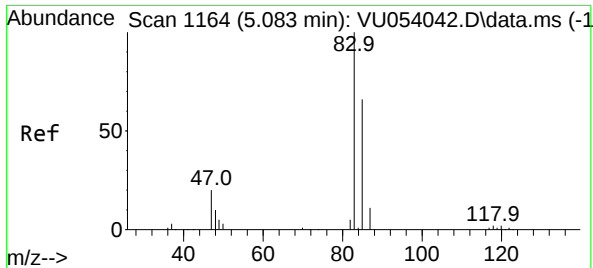
128 100

49 148.8 107.5 199.7

130 133.2 91.0 169.0

51 47.8 39.7 59.5

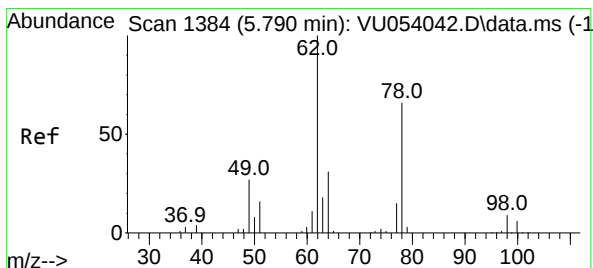
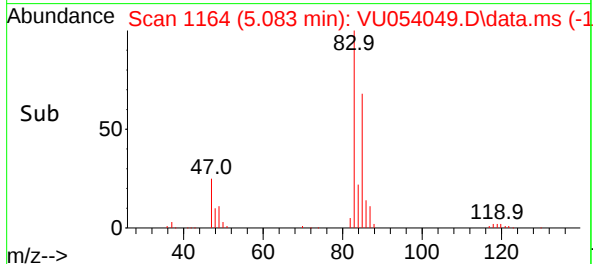
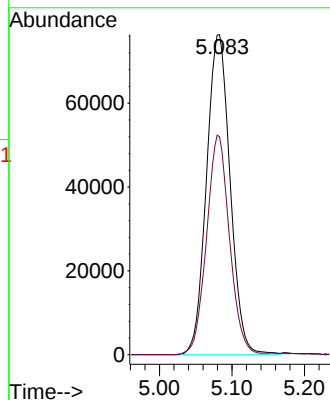
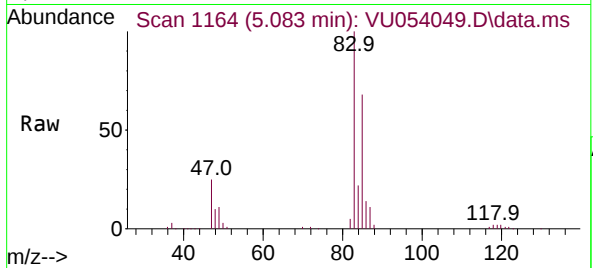




#25
Chloroform
Concen: 51.021 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

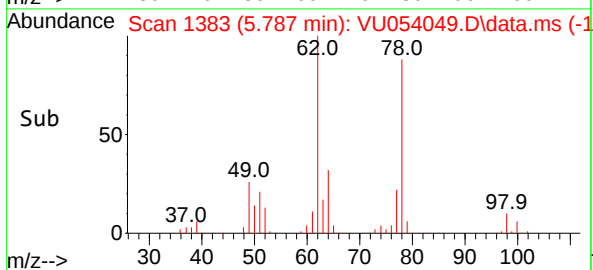
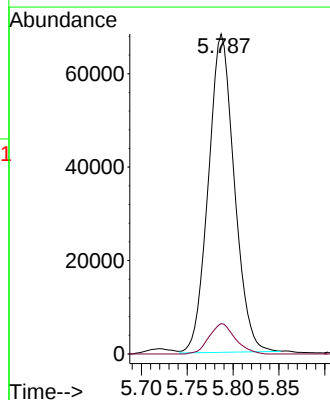
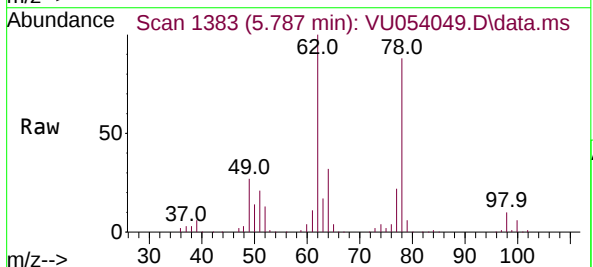
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

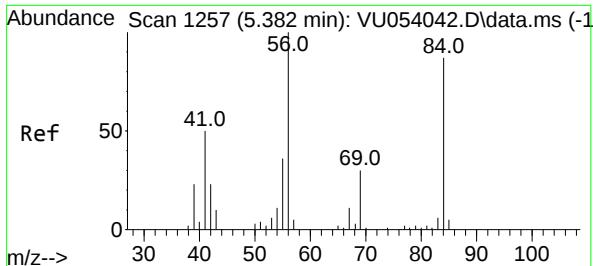
Tgt Ion: 83 Resp: 173084
Ion Ratio Lower Upper
83 100
85 68.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 51.517 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 62 Resp: 134427
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0





#29

Cyclohexane

Concen: 47.811 ug/L

RT: 5.382 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050088

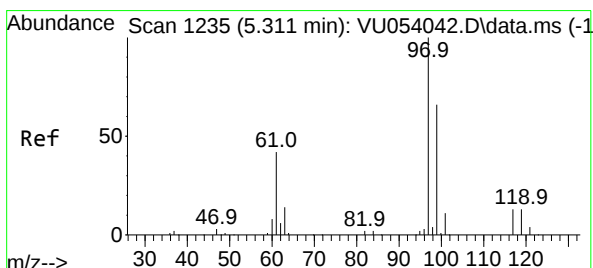
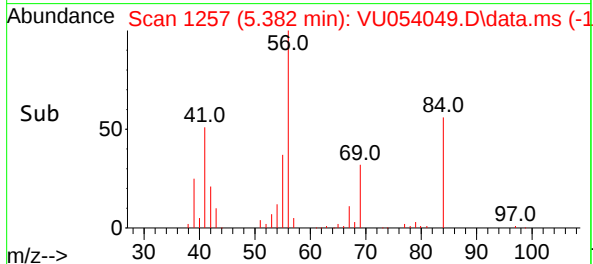
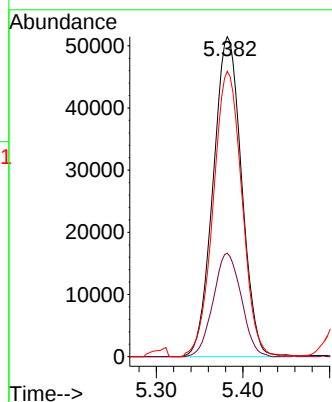
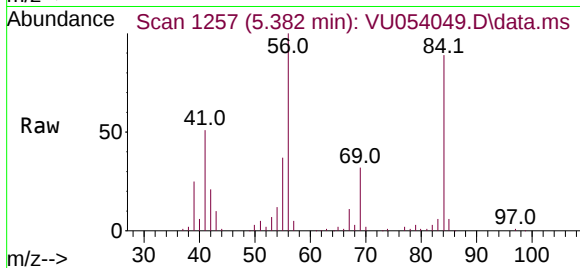
Tgt Ion: 56 Resp: 117269

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.6

84 90.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 49.419 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

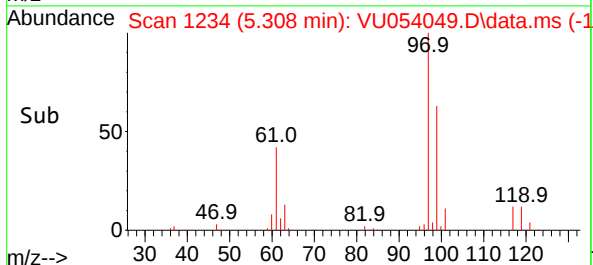
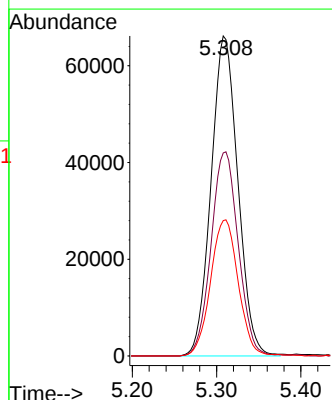
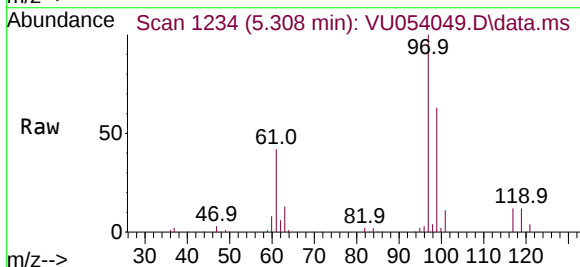
Tgt Ion: 97 Resp: 146187

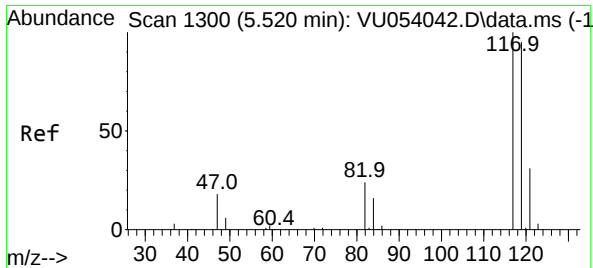
Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 44.0 34.2 51.4

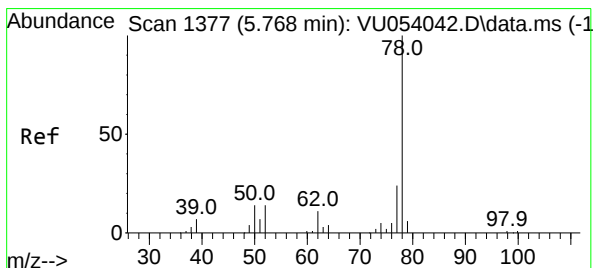
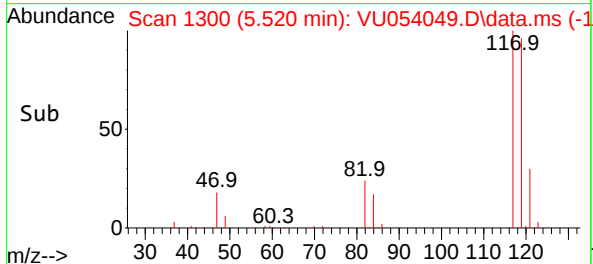
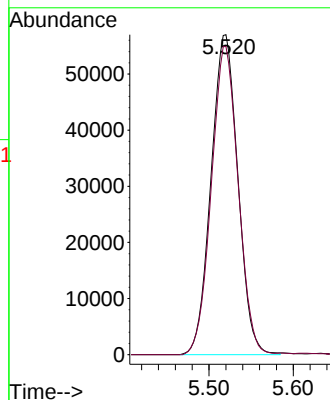
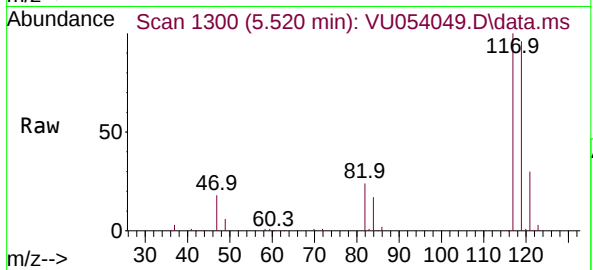




#31
Carbon tetrachloride
Concen: 49.960 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

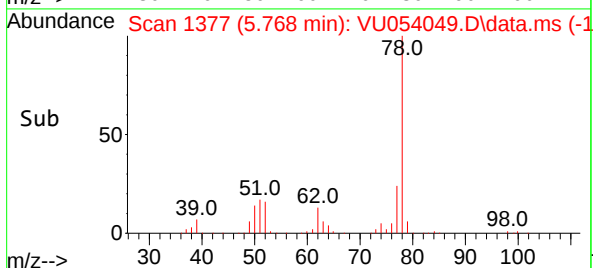
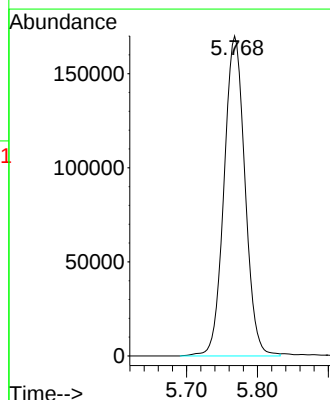
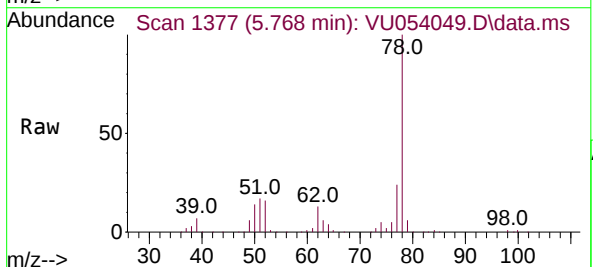
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

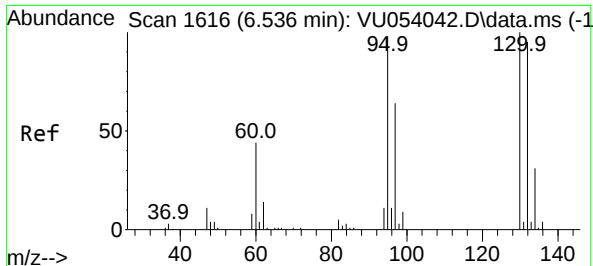
Tgt Ion:117 Resp: 126082
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6



#33
Benzene
Concen: 50.582 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 78 Resp: 349414





#34

Trichloroethene

Concen: 49.625 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050088

Tgt Ion: 95 Resp: 90984

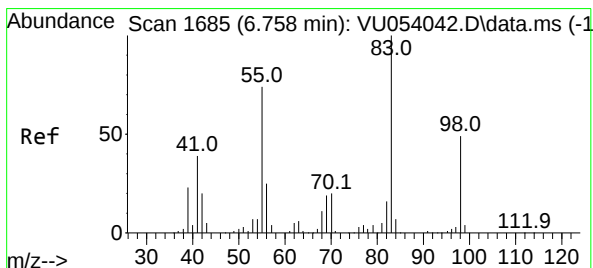
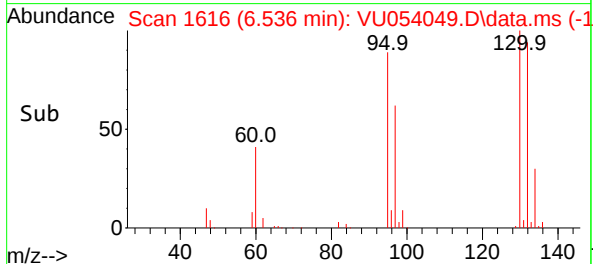
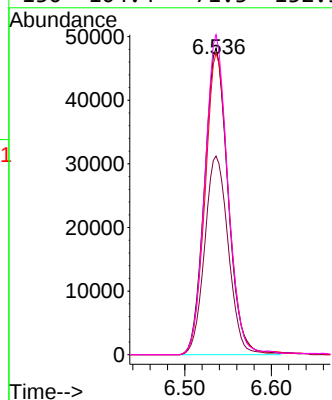
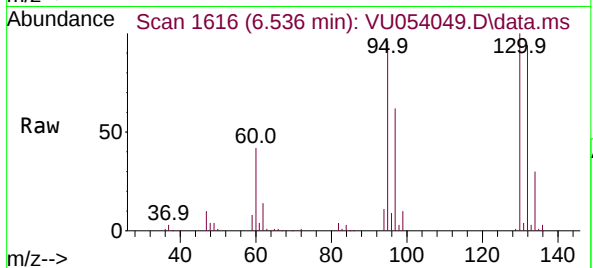
Ion Ratio Lower Upper

95 100

97 64.8 46.5 86.3

132 98.4 67.8 126.0

130 104.4 71.3 132.3



#35

Methylcyclohexane

Concen: 47.951 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

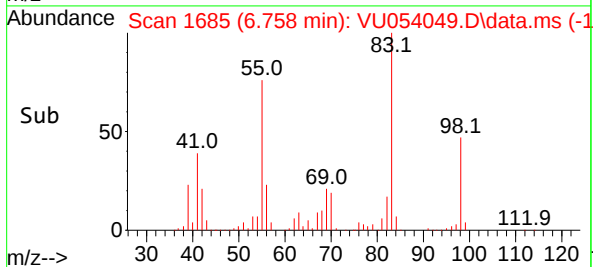
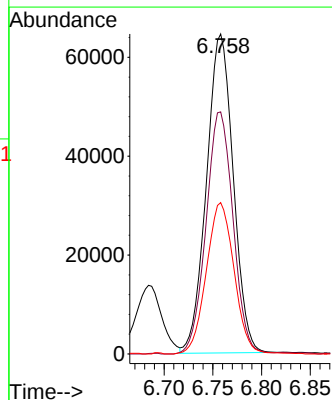
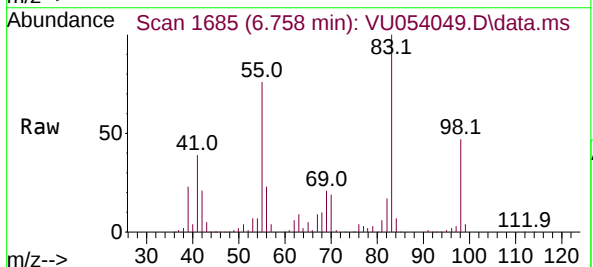
Tgt Ion: 83 Resp: 123299

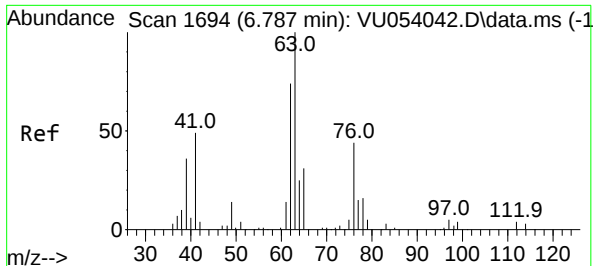
Ion Ratio Lower Upper

83 100

55 76.6 61.8 92.6

98 49.2 38.4 57.6





#37

1,2-Dichloropropane

Concen: 49.220 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

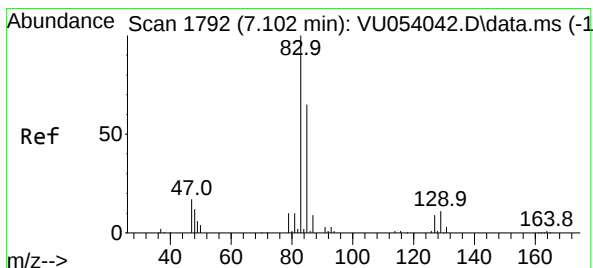
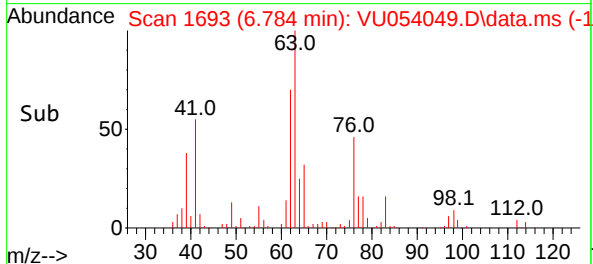
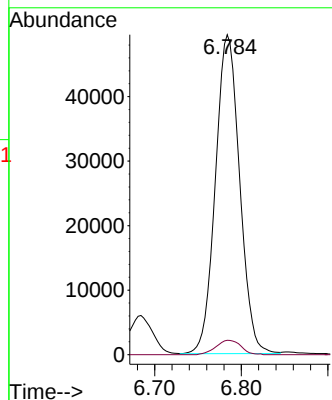
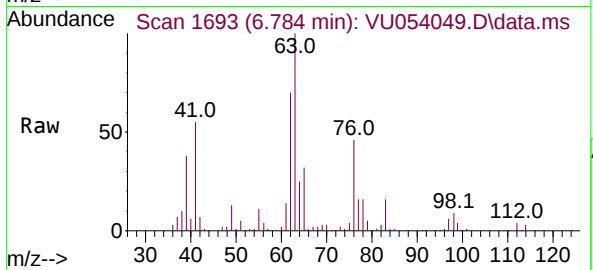
VSTD050088

Tgt Ion: 63 Resp: 96193

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.0



#38

Bromodichloromethane

Concen: 50.856 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

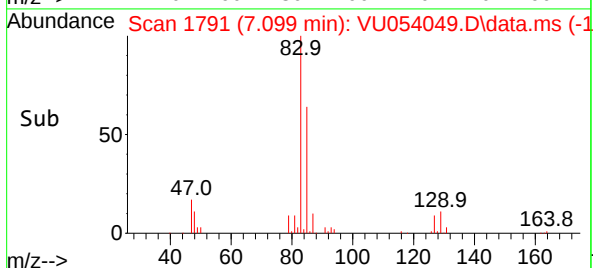
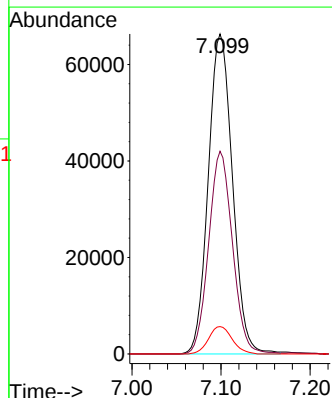
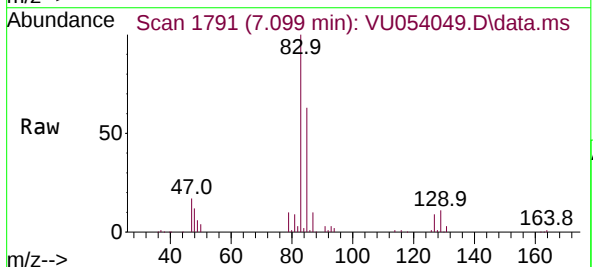
Tgt Ion: 83 Resp: 125219

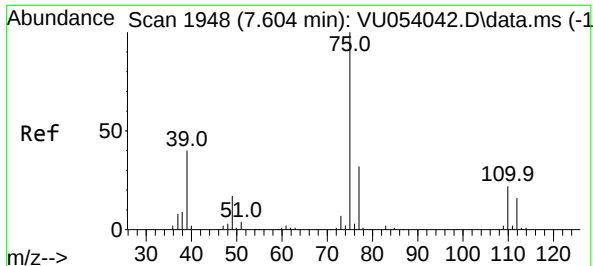
Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

127 8.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 50.939 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

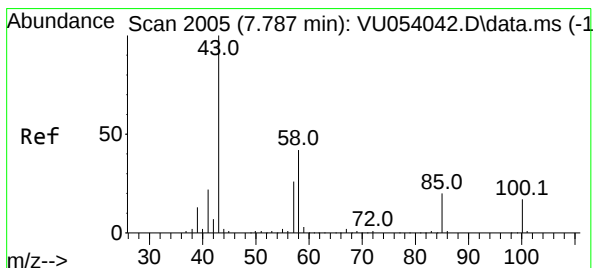
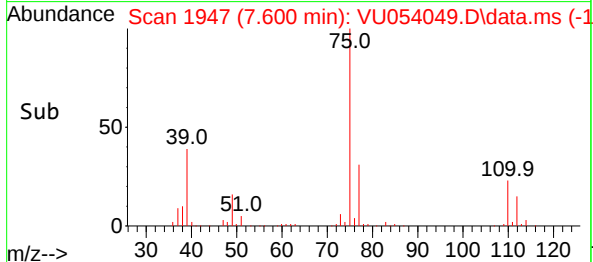
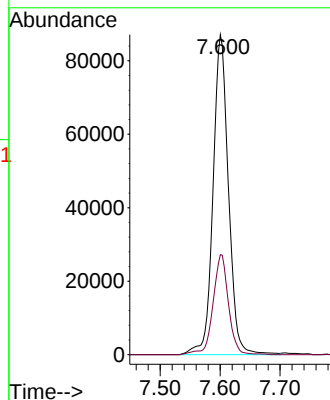
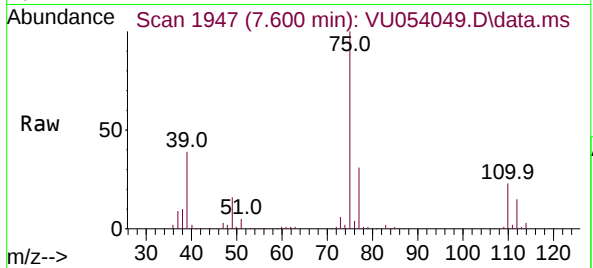
VSTD050088

Tgt Ion: 75 Resp: 155735

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 105.824 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

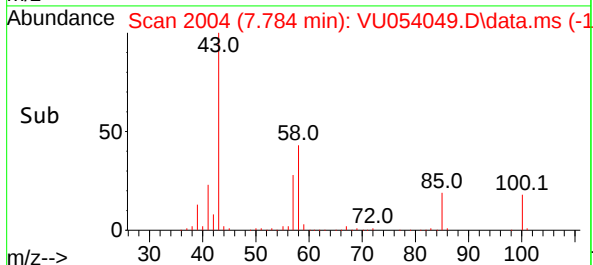
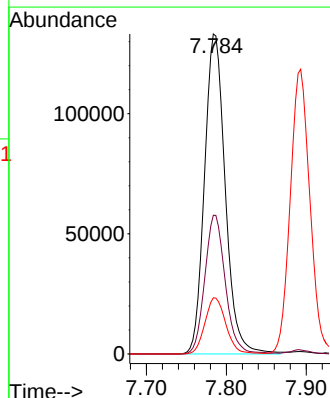
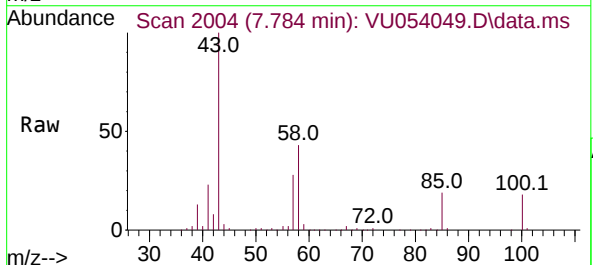
Tgt Ion: 43 Resp: 241018

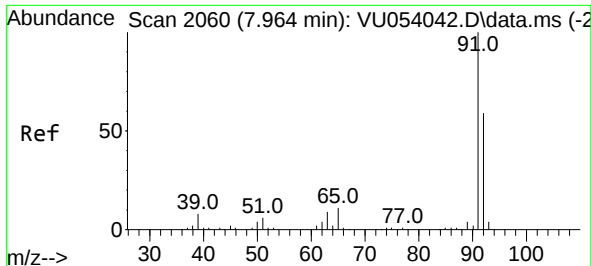
Ion Ratio Lower Upper

43 100

58 42.8 34.5 51.7

100 17.7 13.8 20.6





#42

Toluene

Concen: 51.237 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054049.D

Acq: 02 May 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

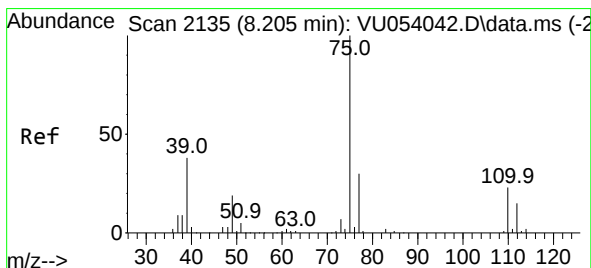
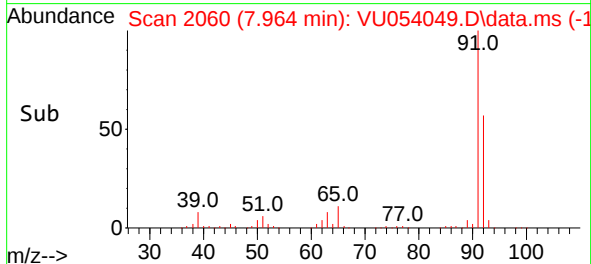
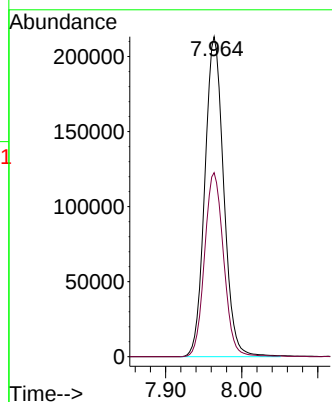
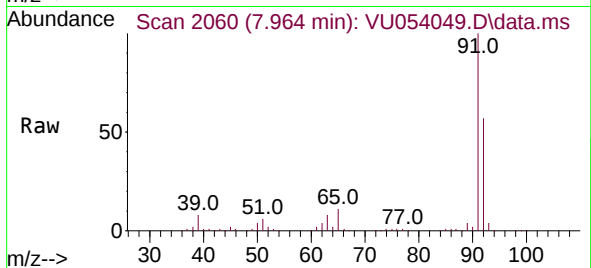
VSTD050088

Tgt Ion: 91 Resp: 368466

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 50.960 ug/L

RT: 8.202 min Scan# 2134

Delta R.T. -0.003 min

Lab File: VU054049.D

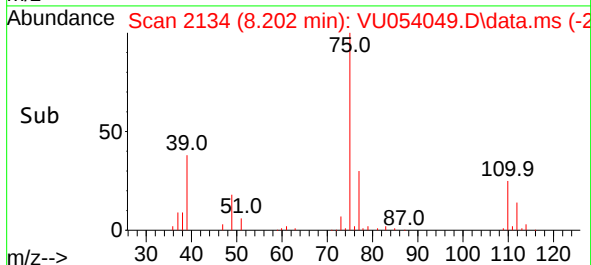
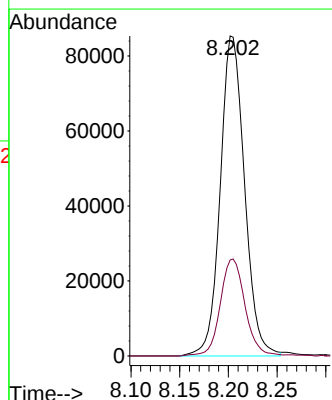
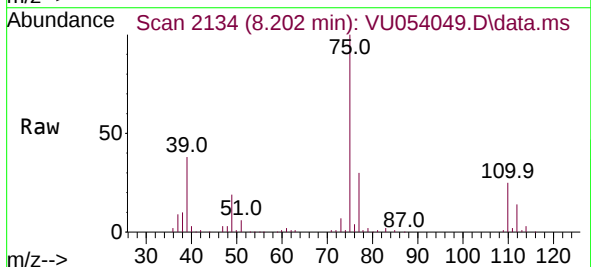
Acq: 02 May 2023 17:03

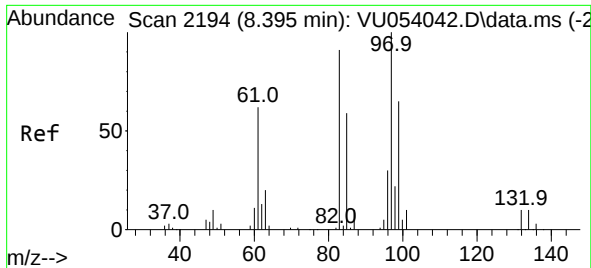
Tgt Ion: 75 Resp: 148065

Ion Ratio Lower Upper

75 100

77 30.0 22.5 41.7

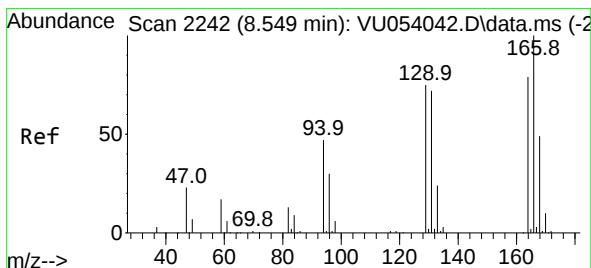
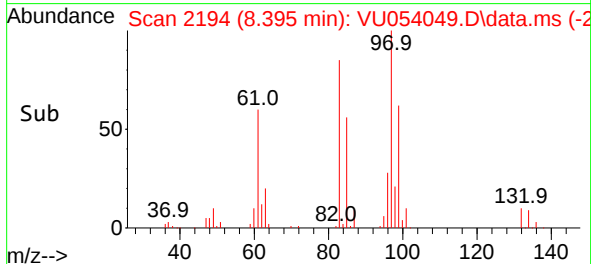
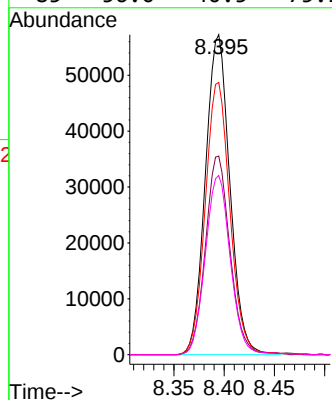
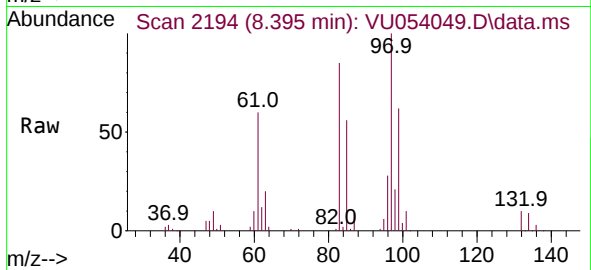




#45
1,1,2-Trichloroethane
Concen: 51.395 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

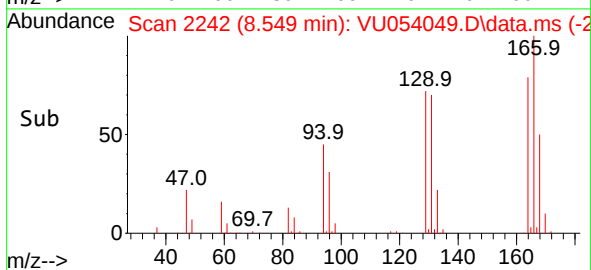
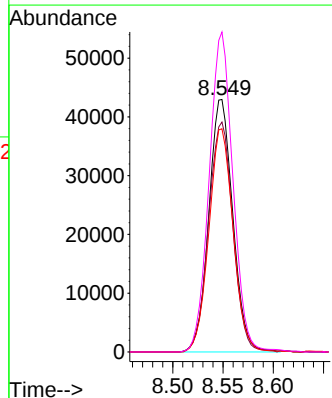
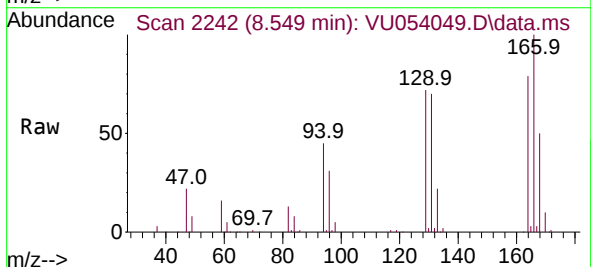
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

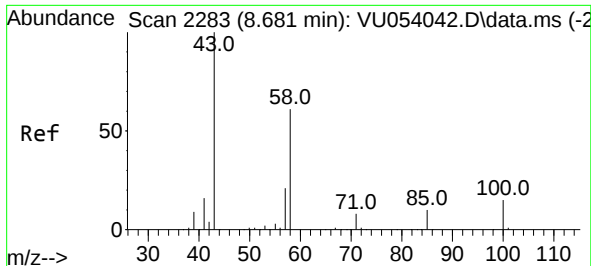
Tgt Ion:	97	Resp:	97222
Ion	Ratio	Lower	Upper
97	100		
99	62.1	46.2	85.8
83	85.1	62.7	116.5
85	56.0	40.5	75.1



#46
Tetrachloroethene
Concen: 49.145 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:	164	Resp:	71483
Ion	Ratio	Lower	Upper
164	100		
129	91.1	65.6	121.8
131	88.4	63.8	118.4
166	126.7	88.9	165.1

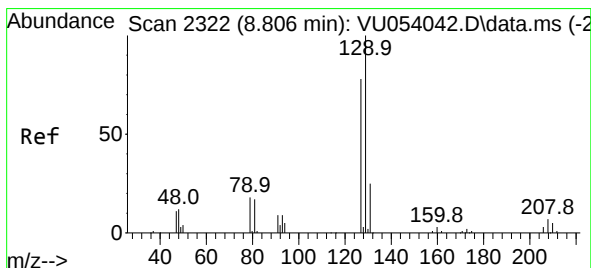
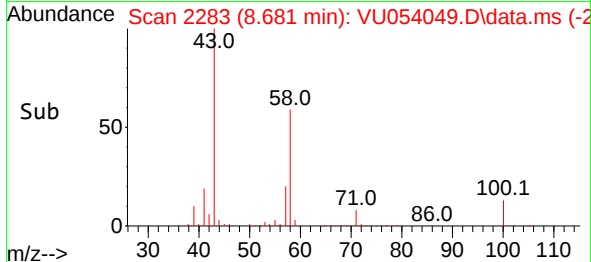
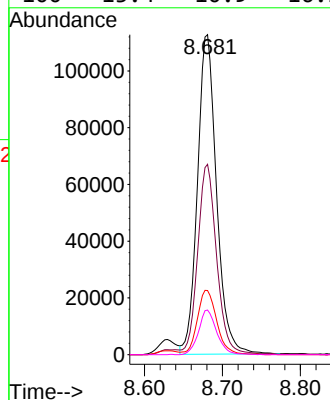
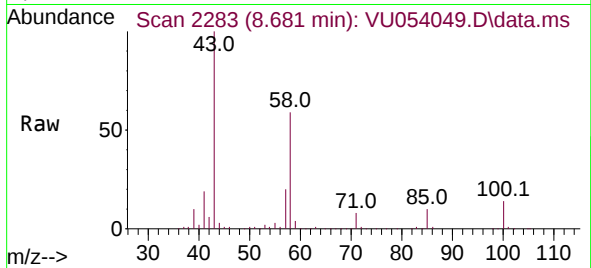




#48
2-Hexanone
Concen: 106.293 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

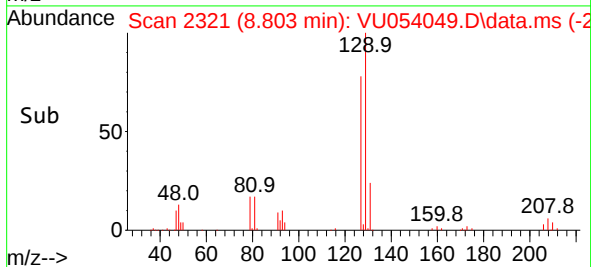
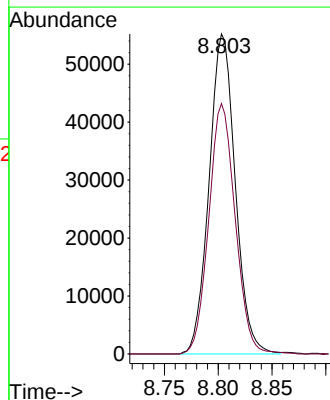
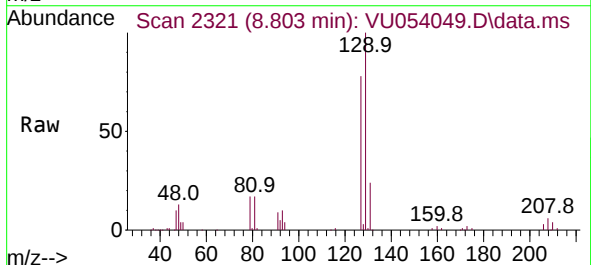
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

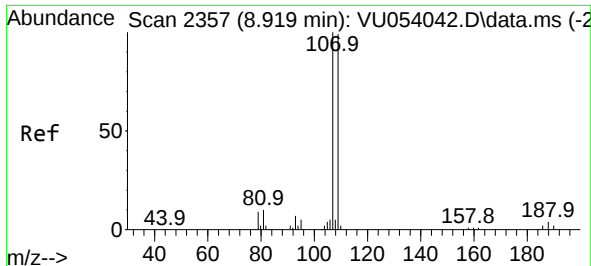
Tgt Ion:	43	Resp:	191853
Ion	Ratio	Lower	Upper
43	100		
58	58.9	48.5	72.7
57	20.1	16.5	24.7
100	13.4	10.9	16.3



#49
Dibromochloromethane
Concen: 50.203 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:	129	Resp:	93579
Ion	Ratio	Lower	Upper
129	100		
127	78.3	52.9	98.3

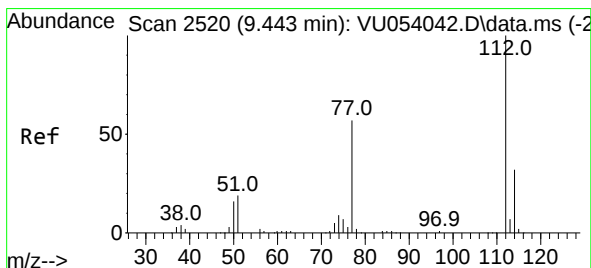
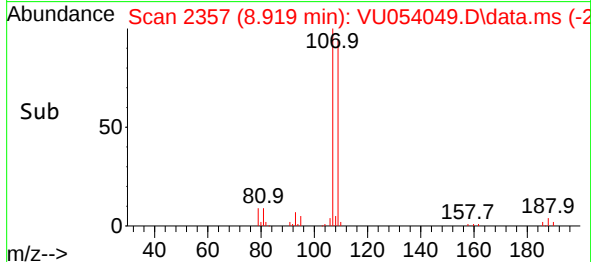
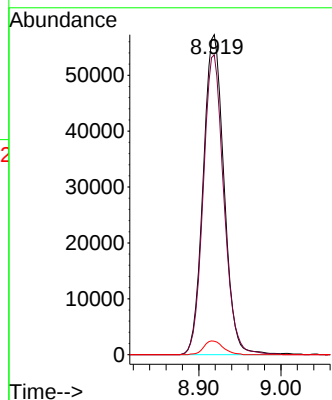
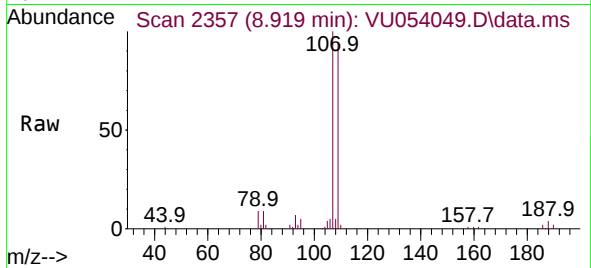




#50
1,2-Dibromoethane
Concen: 52.369 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

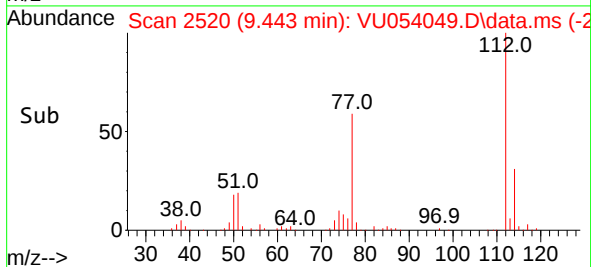
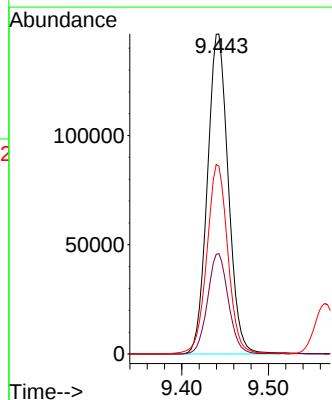
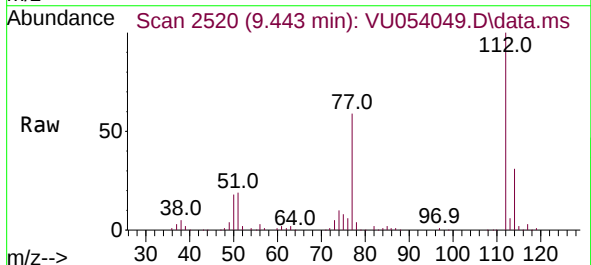
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

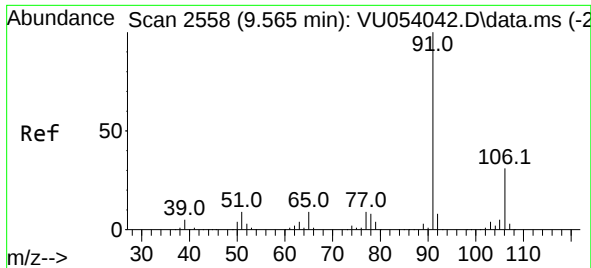
Tgt Ion:107 Resp: 100550
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.8
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 51.098 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:112 Resp: 245779
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.3
77 58.6 47.0 70.4

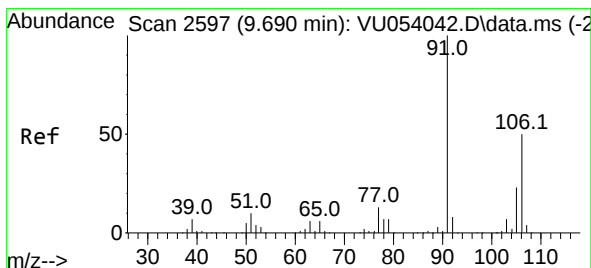
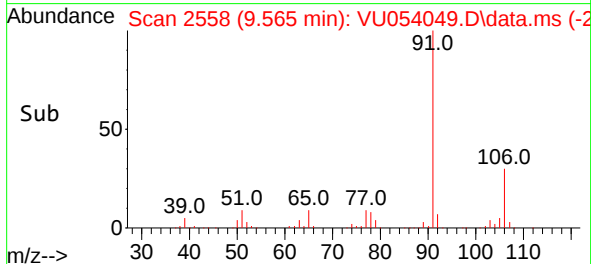
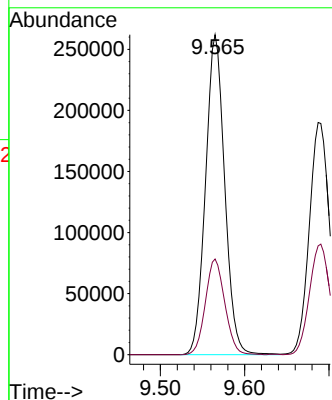
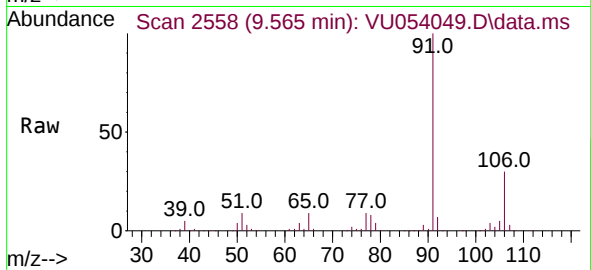




#52
Ethylbenzene
Concen: 51.177 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

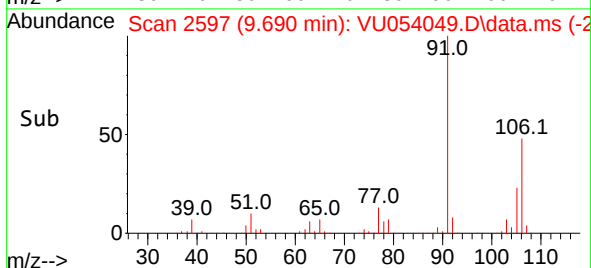
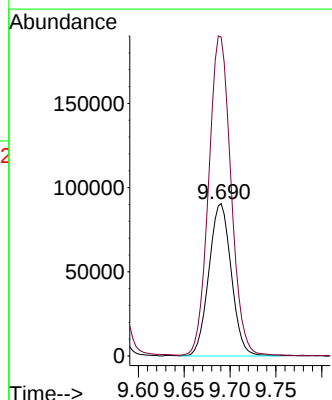
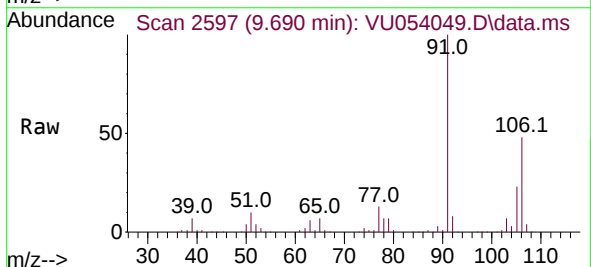
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

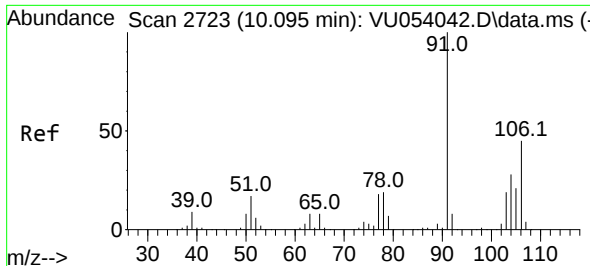
Tgt Ion: 91 Resp: 414217
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.6



#53
m,p-Xylene
Concen: 50.643 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 106 Resp: 153917
Ion Ratio Lower Upper
106 100
91 209.3 140.5 260.9

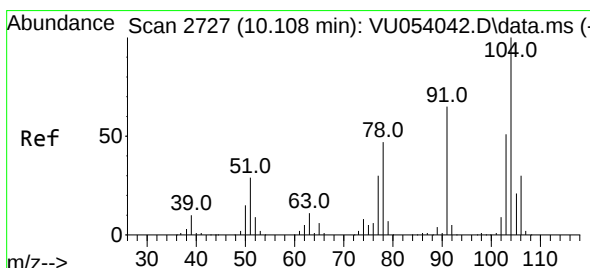
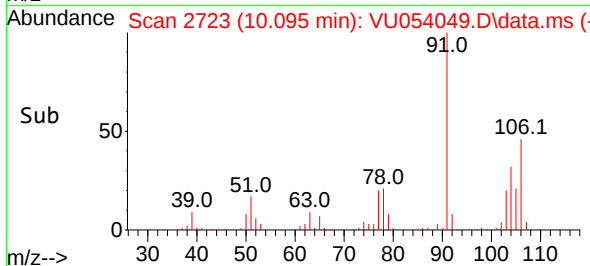
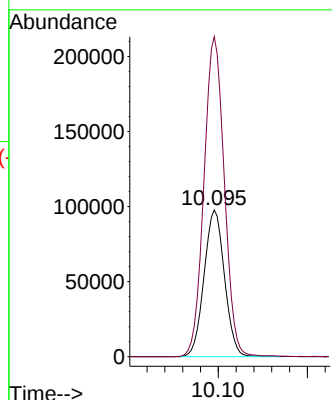
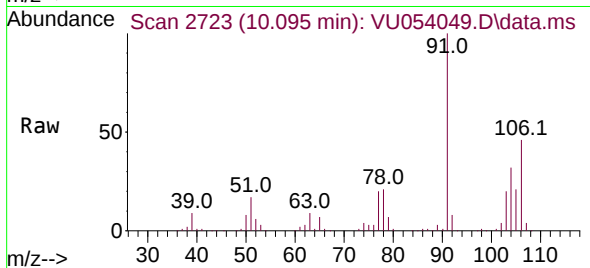




#54
o-Xylene
Concen: 52.375 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

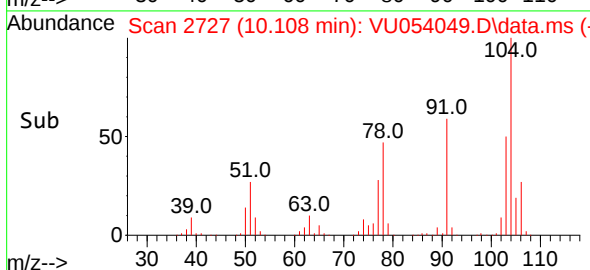
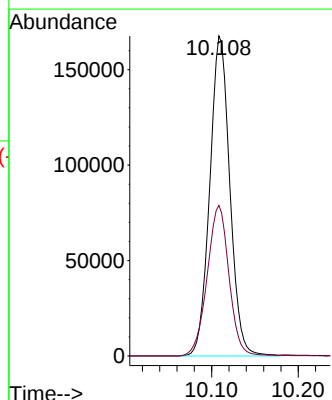
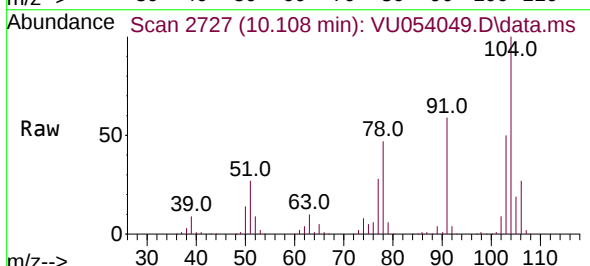
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

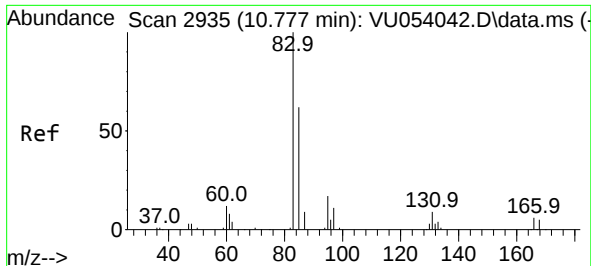
Tgt Ion:106 Resp: 155731
Ion Ratio Lower Upper
106 100
91 218.0 154.9 287.7



#55
Styrene
Concen: 52.995 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:104 Resp: 270273
Ion Ratio Lower Upper
104 100
78 47.1 33.2 61.7

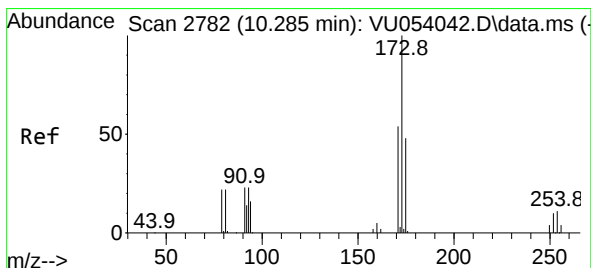
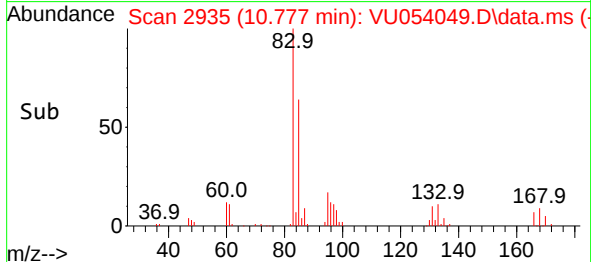
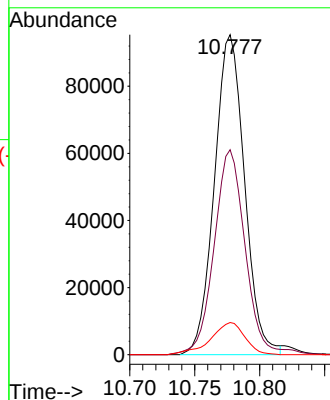
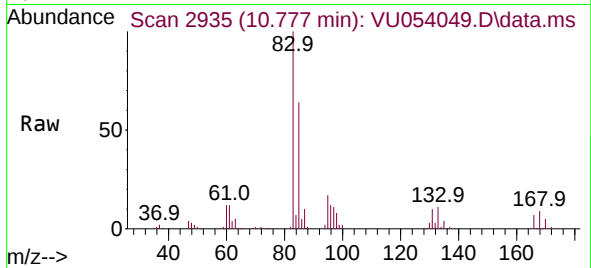




#57
1,1,2,2-Tetrachloroethane
Concen: 51.641 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

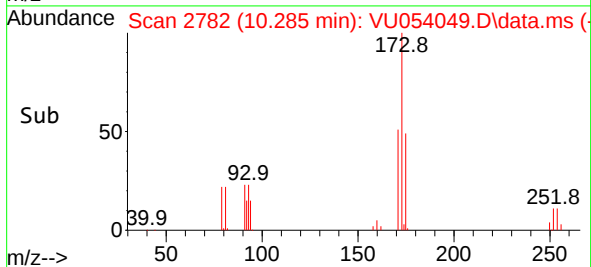
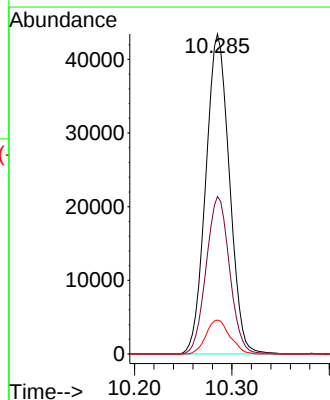
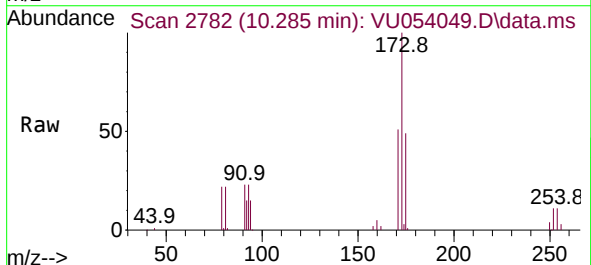
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

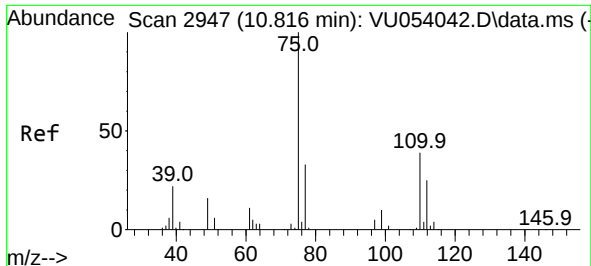
Tgt Ion: 83 Resp: 153883
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9
131 10.1 8.2 12.2



#59
Bromoform
Concen: 50.000 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:173 Resp: 73104
Ion Ratio Lower Upper
173 100
175 48.7 38.9 58.3
254 10.7 8.5 12.7

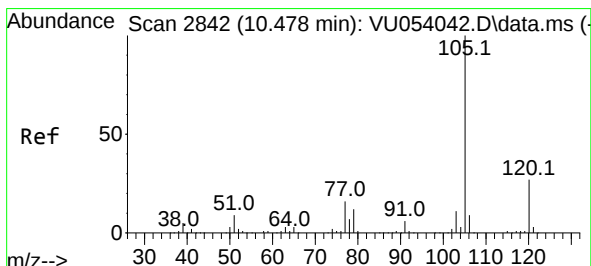
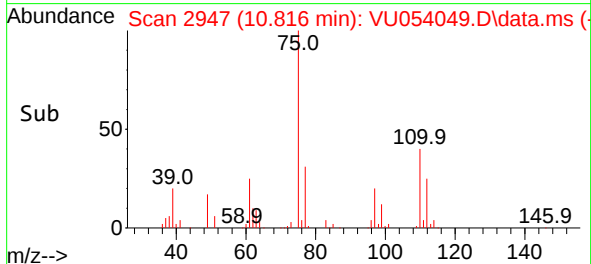
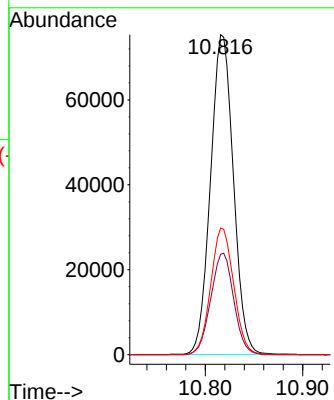
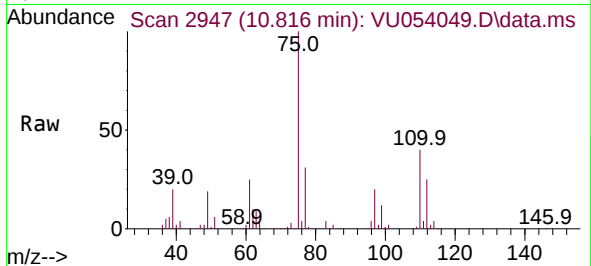




#60
1,2,3-Trichloropropane
Concen: 50.602 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

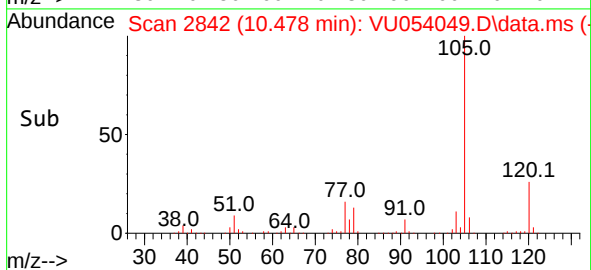
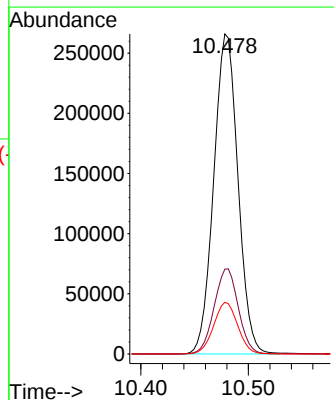
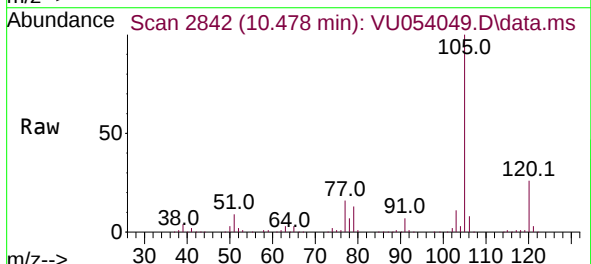
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

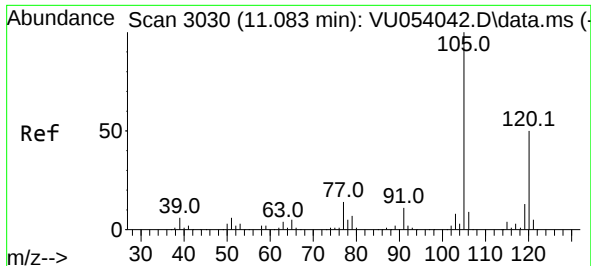
Tgt Ion:	75	Resp:	122750
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0
110	39.8	31.8	47.8



#61
Isopropylbenzene
Concen: 50.501 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:	105	Resp:	416318
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.3	31.9
77	16.0	12.7	19.1

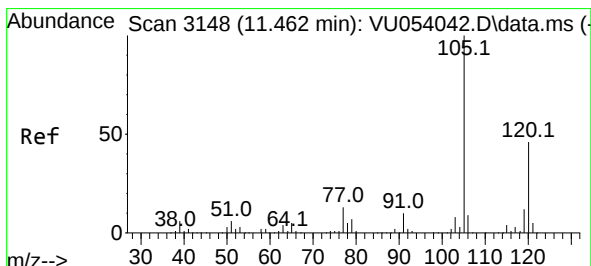
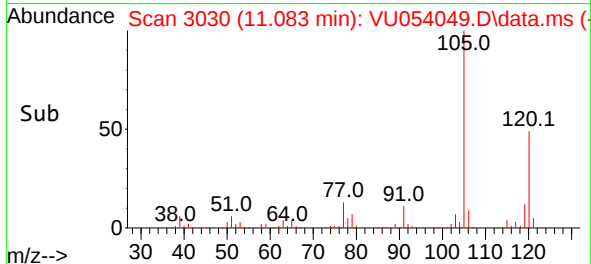
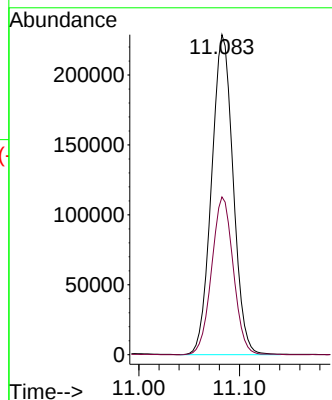
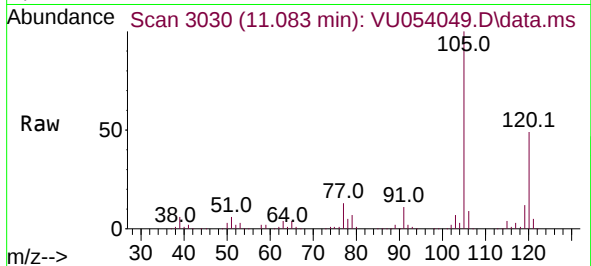




#62
1,3,5-Trimethylbenzene
Concen: 50.559 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

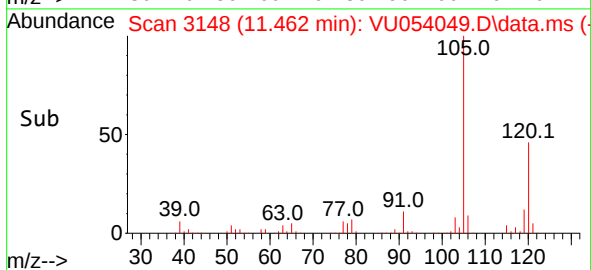
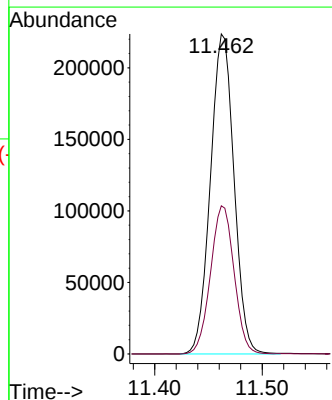
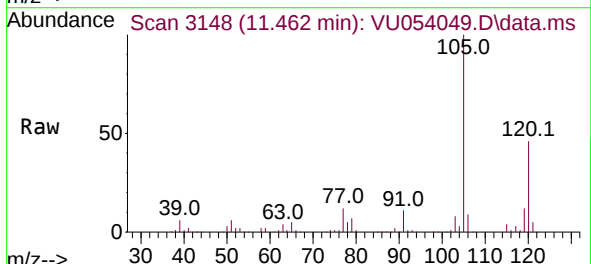
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

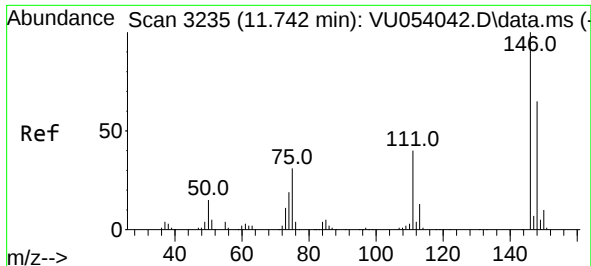
Tgt Ion:105 Resp: 341547
Ion Ratio Lower Upper
105 100
120 49.5 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 51.223 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:105 Resp: 341065
Ion Ratio Lower Upper
105 100
120 46.2 36.5 54.7

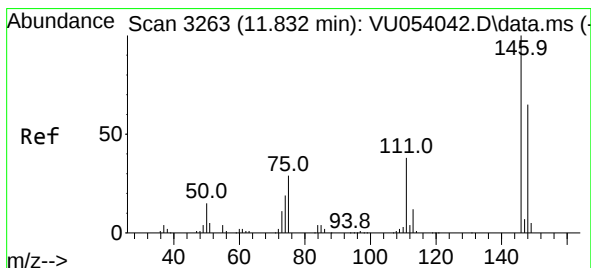
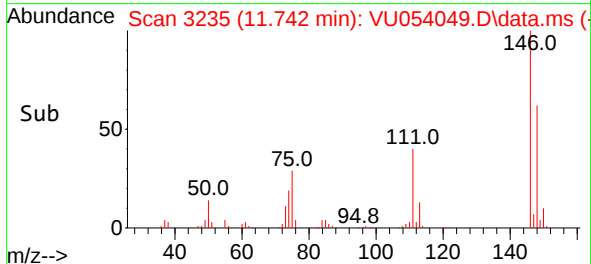
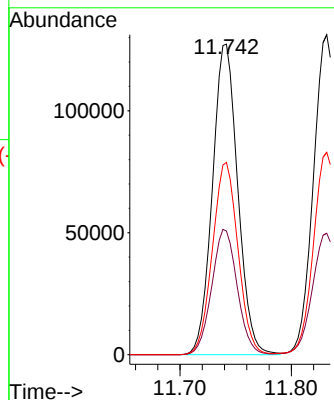
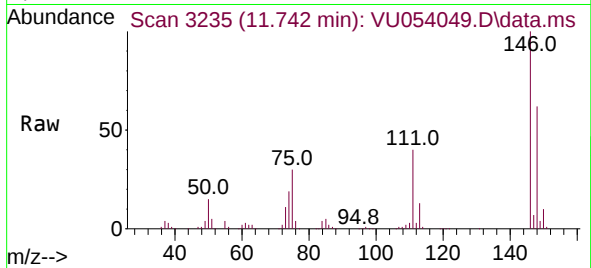




#64
1,3-Dichlorobenzene
Concen: 49.971 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

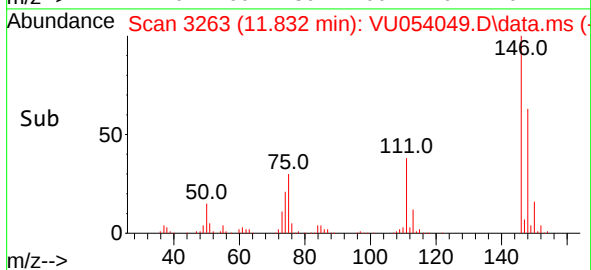
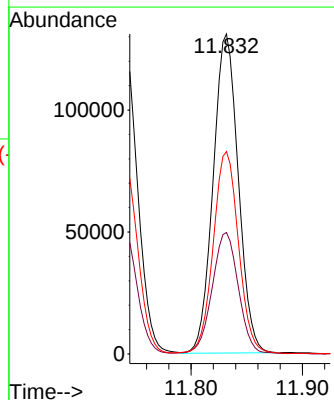
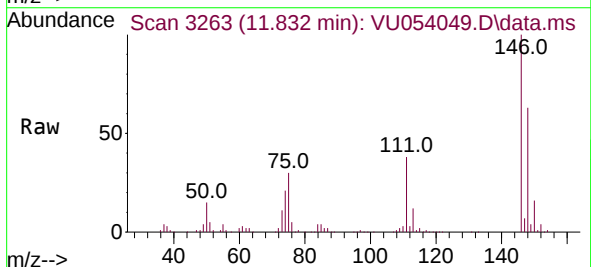
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

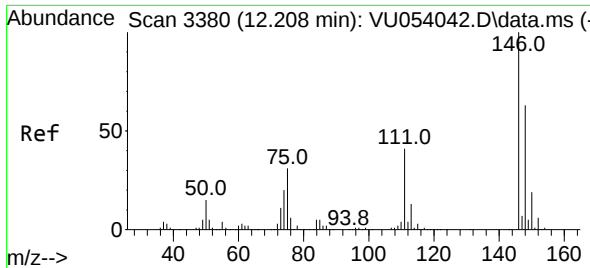
Tgt Ion:146 Resp: 201476
Ion Ratio Lower Upper
146 100
111 39.8 27.9 51.7
148 62.0 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 49.915 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:146 Resp: 204963
Ion Ratio Lower Upper
146 100
111 38.0 27.9 51.7
148 63.3 44.9 83.3

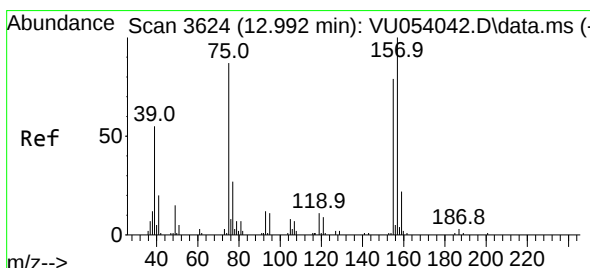
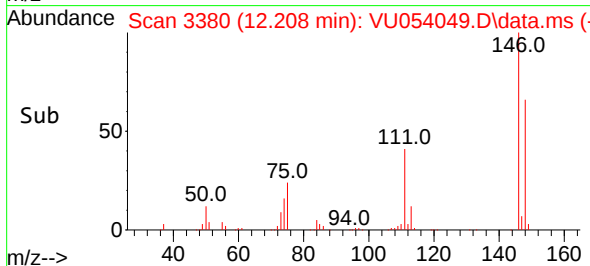
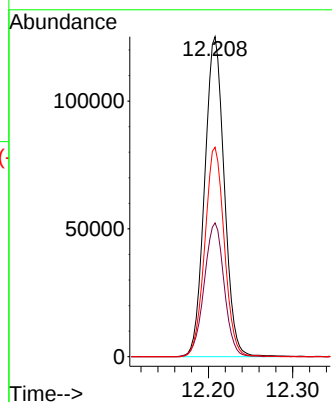
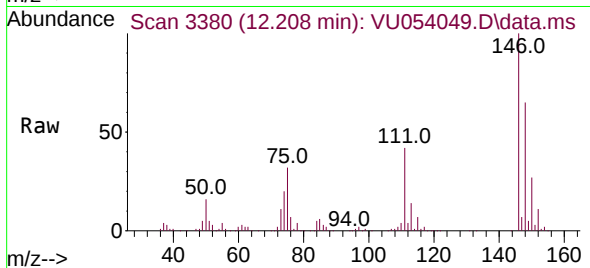




#67
1,2-Dichlorobenzene
Concen: 49.861 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

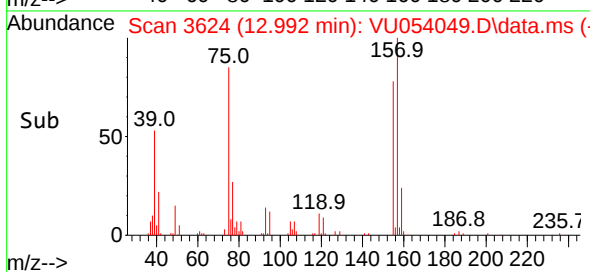
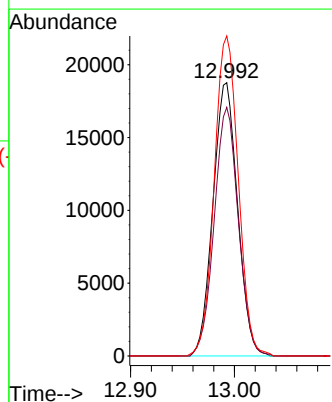
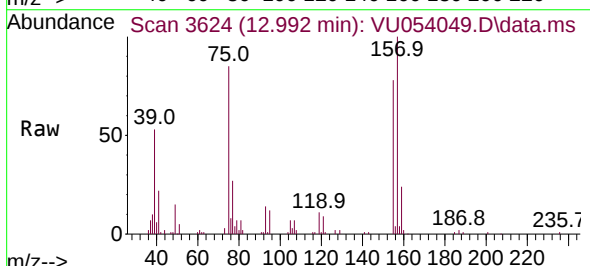
Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

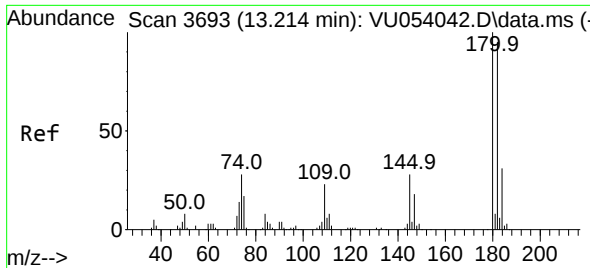
Tgt Ion:146 Resp: 202891
Ion Ratio Lower Upper
146 100
111 41.8 33.4 50.0
148 65.5 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.859 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion: 75 Resp: 30856
Ion Ratio Lower Upper
75 100
155 91.0 67.8 101.6
157 117.1 88.3 132.5

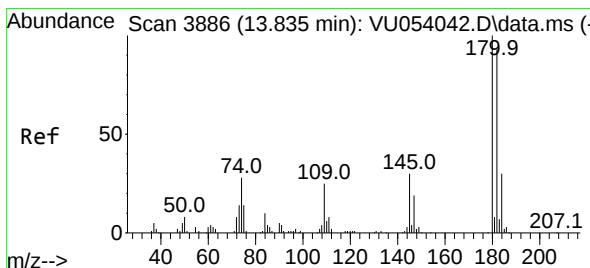
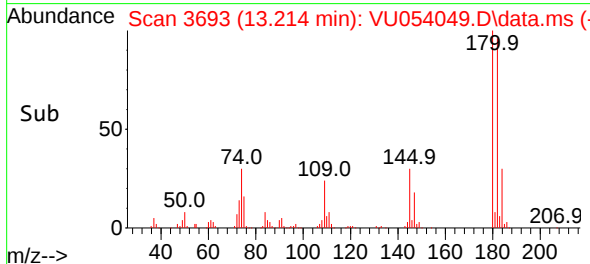
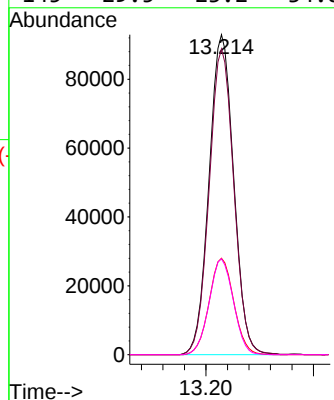
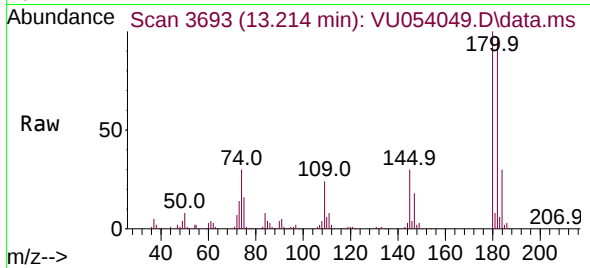




#69
 1,3,5-Trichlorobenzene
 Concen: 50.463 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

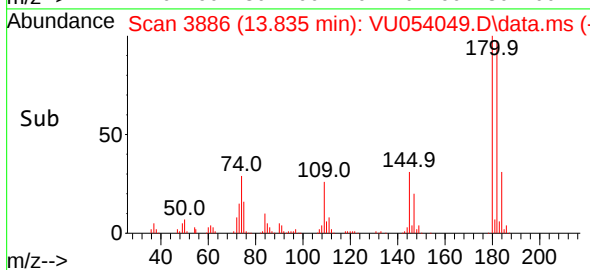
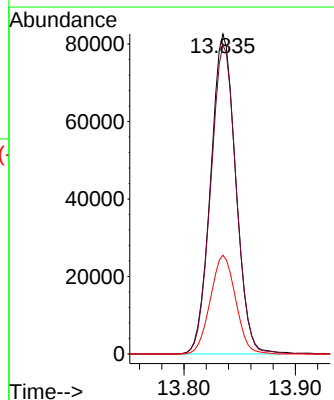
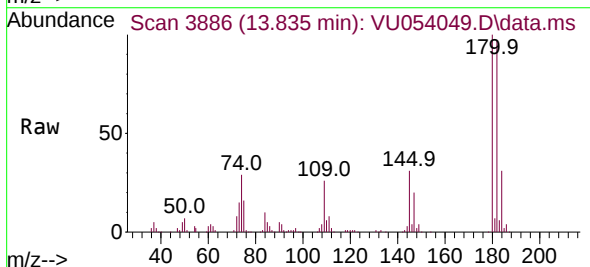
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

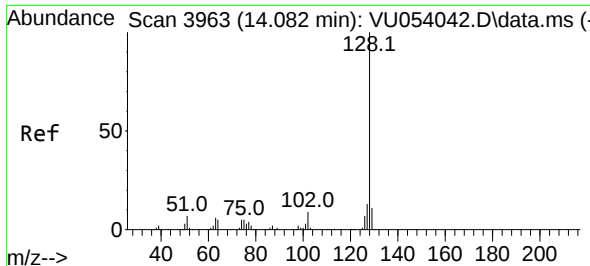
Tgt Ion:	180	Resp:	147433
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.0	114.0
184	30.2	24.2	36.2
145	29.5	23.2	34.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.771 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054049.D
 Acq: 02 May 2023 17:03

Tgt Ion:	180	Resp:	129179
Ion Ratio	Lower	Upper	
180	100		
182	97.5	77.4	116.2
145	31.0	23.8	35.8

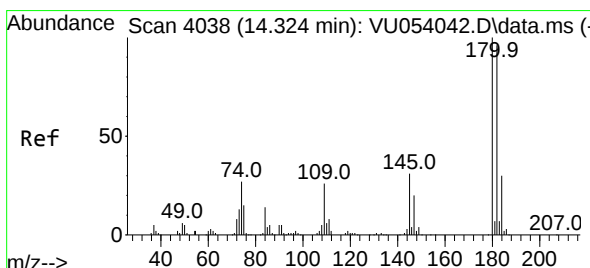
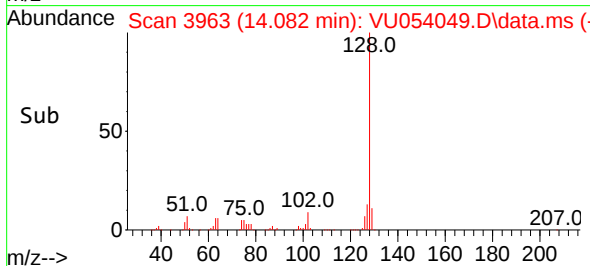
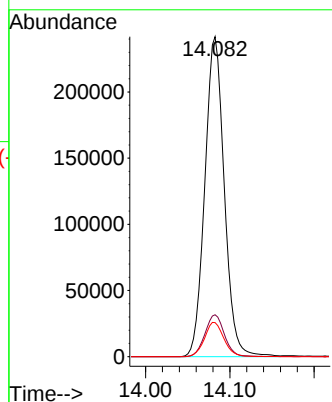
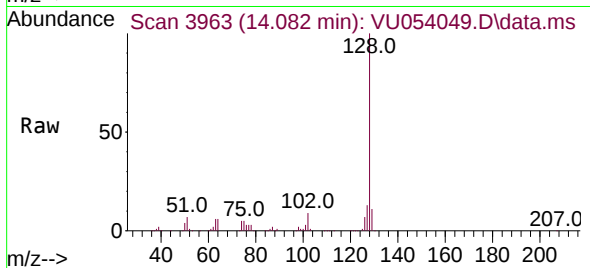




#71
Naphthalene
Concen: 50.651 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050088

Tgt Ion:128 Resp: 389124
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.7 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 50.751 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054049.D
Acq: 02 May 2023 17:03

Tgt Ion:180 Resp: 133717
Ion Ratio Lower Upper
180 100
182 96.4 76.6 114.8
145 32.2 24.9 37.3

