

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050423\
 Data File : VU054056.D
 Acq On : 04 May 2023 11:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

Quant Time: May 05 04:28:29 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	6.247	114	238249	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	222166	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125505	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67901	37.683	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.360%
7) Chloroethane-d5	1.909	69	47719	40.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.680%
11) 1,1-Dichloroethene-d2	2.565	63	130496	40.832	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.660%
21) 2-Butanone-d5	4.623	46	88878	86.483	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.480%
24) Chloroform-d	5.060	84	142789	43.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.300%
26) 1,2-Dichloroethane-d4	5.697	65	91650	43.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.260%
32) Benzene-d6	5.722	84	267886	40.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.920%
36) 1,2-Dichloropropane-d6	6.684	67	85783	41.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.100%
41) Toluene-d8	7.893	98	247372	41.899	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.176	79	44024	43.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.180%
47) 2-Hexanone-d5	8.629	63	57606	77.906	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.910%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	121650	44.736	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.480%
66) 1,2-Dichlorobenzene-d4	12.188	152	105703	43.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84879	49.379	ug/L	99
3) Chloromethane	1.520	50	73260	46.373	ug/L	99
5) Vinyl chloride	1.604	62	78108	46.485	ug/L	98
6) Bromomethane	1.858	94	42035	44.877	ug/L	94
8) Chloroethane	1.932	64	45773	49.990	ug/L	99
9) Trichlorofluoromethane	2.137	101	129560	48.589	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	80188	50.284	ug/L	99
12) 1,1-Dichloroethene	2.578	96	65106	47.110	ug/L	94
13) Acetone	2.633	43	133285	132.134	ug/L	98
14) Carbon disulfide	2.790	76	145739	47.513	ug/L	98
15) Methyl Acetate	2.948	43	72042	45.605	ug/L	98
16) Methylene chloride	3.044	84	79947	45.868	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	68134	48.215	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	245830	47.319	ug/L	98
19) 1,1-Dichloroethane	3.864	63	144635	47.669	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	82090	47.271	ug/L	96
22) 2-Butanone	4.700	43	133196	111.844	ug/L	95
23) Bromochloromethane	4.970	128	44002	48.874	ug/L	95
25) Chloroform	5.083	83	156405	48.850	ug/L	100

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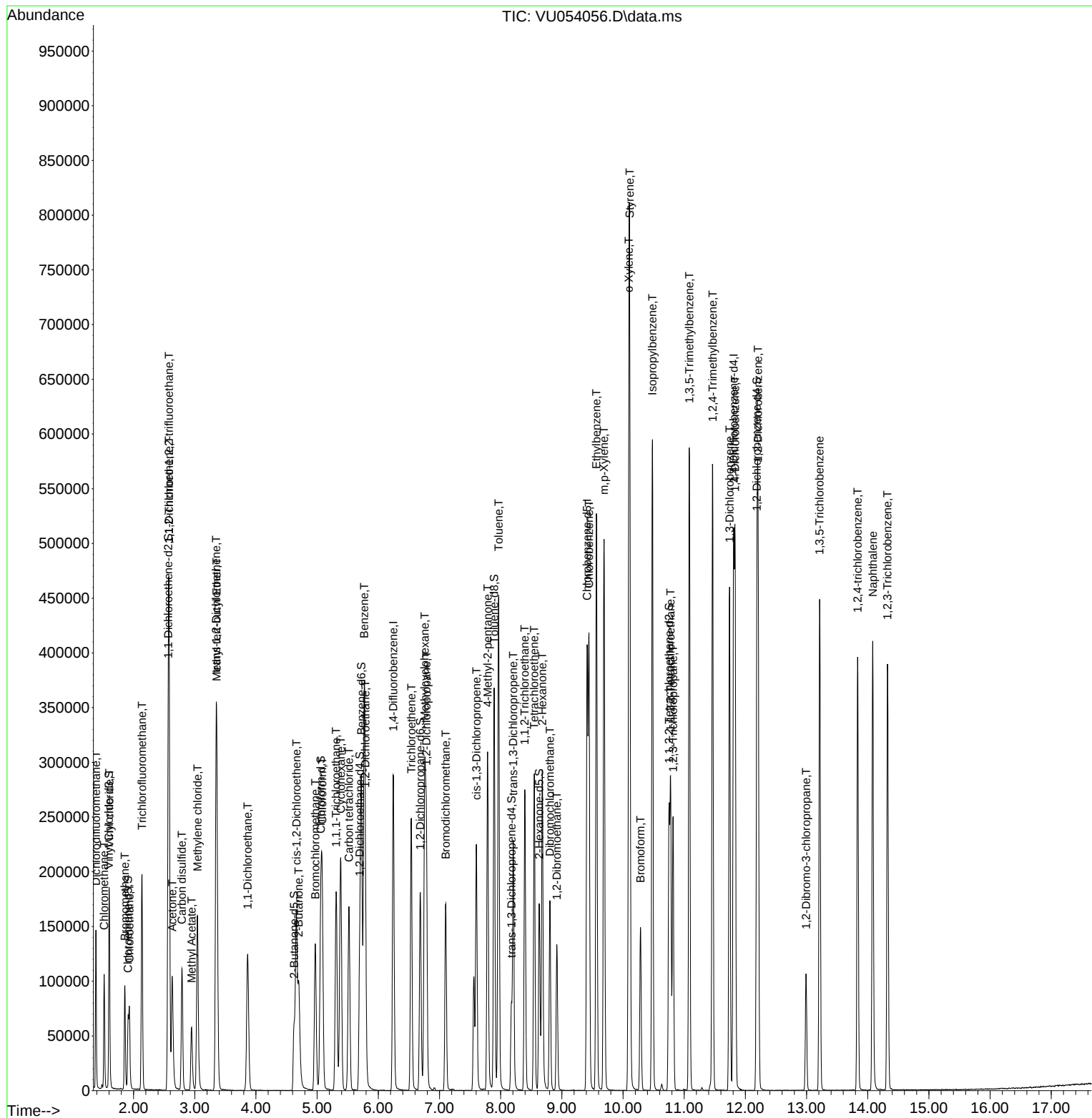
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	118978	48.311	ug/L	99
29) Cyclohexane	5.385	56	106585	46.420	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	136910	49.441	ug/L	98
31) Carbon tetrachloride	5.520	117	117845	49.883	ug/L	99
33) Benzene	5.771	78	306798	47.444	ug/L	100
34) Trichloroethene	6.539	95	83600	48.710	ug/L	98
35) Methylcyclohexane	6.758	83	116127	48.244	ug/L	99
37) 1,2-Dichloropropane	6.787	63	86904	47.502	ug/L	98
38) Bromodichloromethane	7.102	83	114460	49.659	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	138999	48.568	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	197019	92.409	ug/L	99
42) Toluene	7.967	91	329416	48.933	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	131583	48.378	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	86276	48.721	ug/L	96
46) Tetrachloroethene	8.549	164	67033	49.231	ug/L	98
48) 2-Hexanone	8.681	43	177501	105.052	ug/L	97
49) Dibromochloromethane	8.806	129	88888	50.940	ug/L	96
50) 1,2-Dibromoethane	8.918	107	88143	49.040	ug/L	99
51) Chlorobenzene	9.443	112	224127	49.776	ug/L	100
52) Ethylbenzene	9.565	91	371525	49.035	ug/L	99
53) m,p-Xylene	9.690	106	144140	50.662	ug/L	97
54) o-Xylene	10.095	106	139488	50.114	ug/L	99
55) Styrene	10.108	104	244748	51.265	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	132747	47.588	ug/L	100
59) Bromoform	10.285	173	67639	48.139	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	104347	44.761	ug/L	99
61) Isopropylbenzene	10.481	105	383129	48.360	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	315915	48.662	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	314698	49.180	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	187612	48.420	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	190108	48.176	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	188710	48.257	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27701	46.577	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	139439	49.662	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	124175	48.784	ug/L	98
71) Naphthalene	14.082	128	329090	44.574	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	122891	48.534	ug/L	99

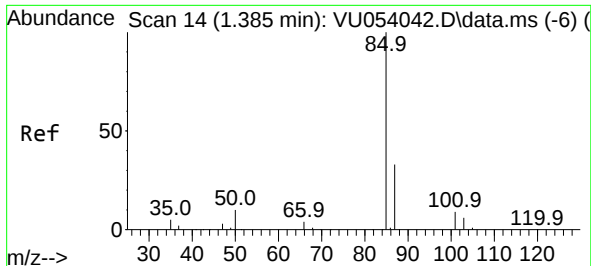
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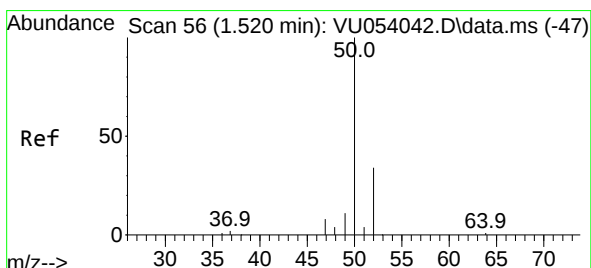
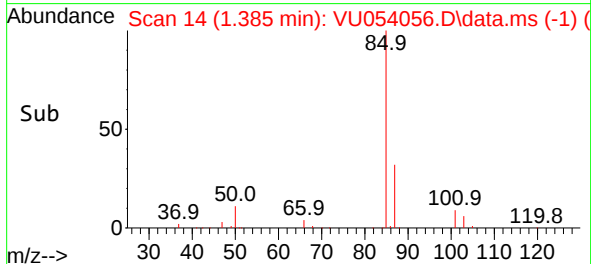
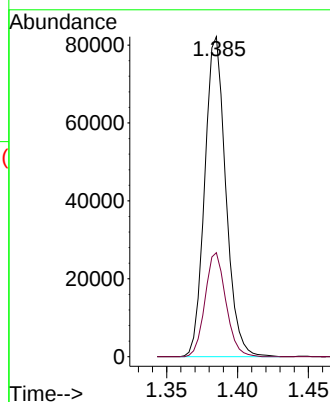
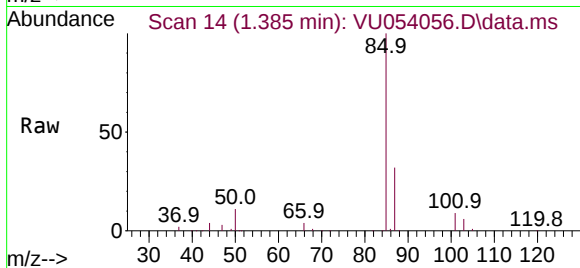




#2
Dichlorodifluoromethane
Concen: 49.379 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

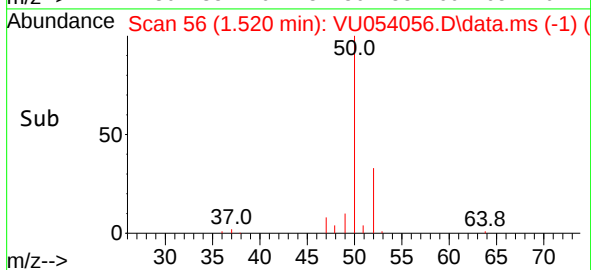
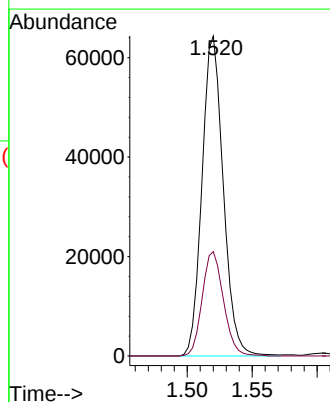
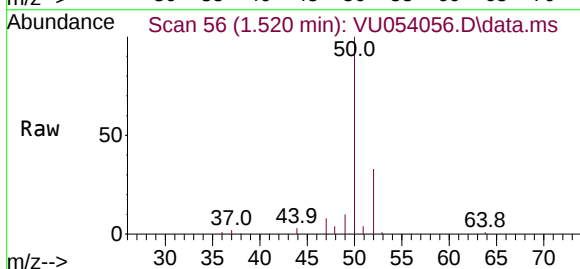
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

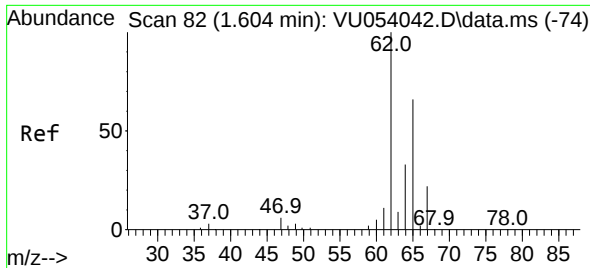
Tgt Ion: 85 Resp: 84879
Ion Ratio Lower Upper
85 100
87 32.1 26.0 39.0



#3
Chloromethane
Concen: 46.373 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 50 Resp: 73260
Ion Ratio Lower Upper
50 100
52 32.6 22.4 41.6

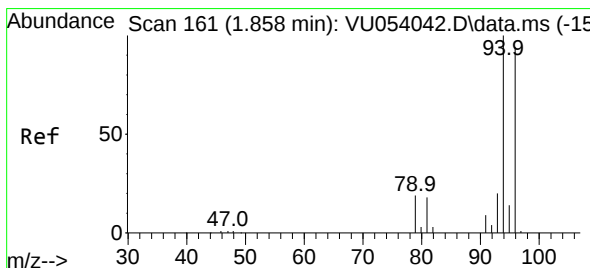
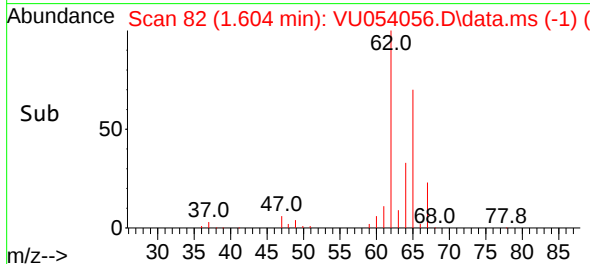
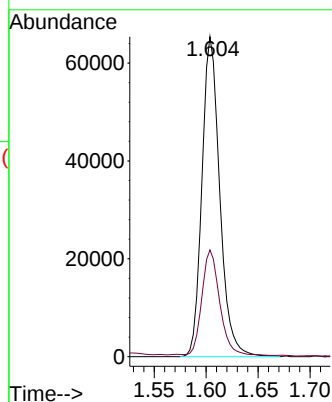
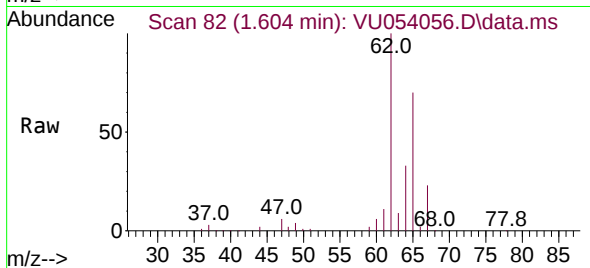




#5
 Vinyl chloride
 Concen: 46.485 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU054056.D
 Acq: 04 May 2023 11:29

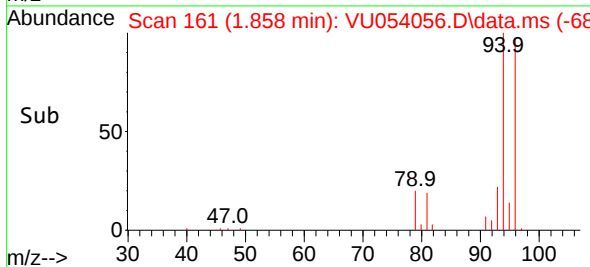
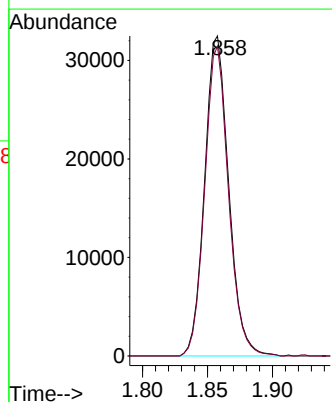
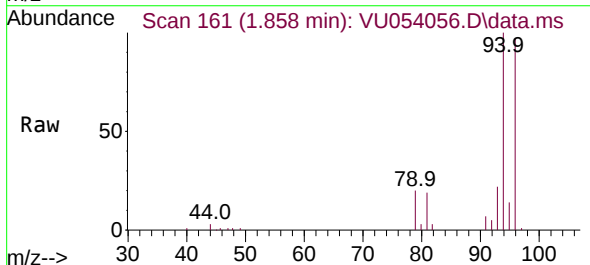
Instrument :
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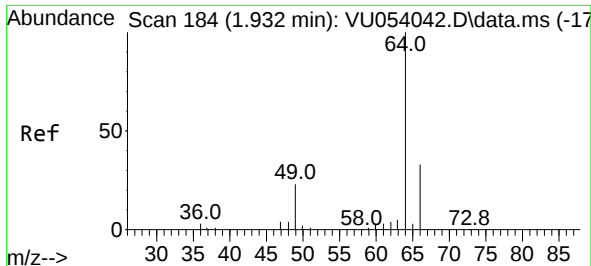
Tgt Ion: 62 Resp: 78108
 Ion Ratio Lower Upper
 62 100
 64 33.4 24.1 44.7



#6
 Bromomethane
 Concen: 44.877 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054056.D
 Acq: 04 May 2023 11:29

Tgt Ion: 94 Resp: 42035
 Ion Ratio Lower Upper
 94 100
 96 96.8 63.9 118.7

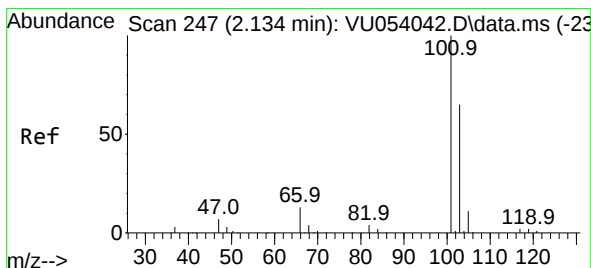
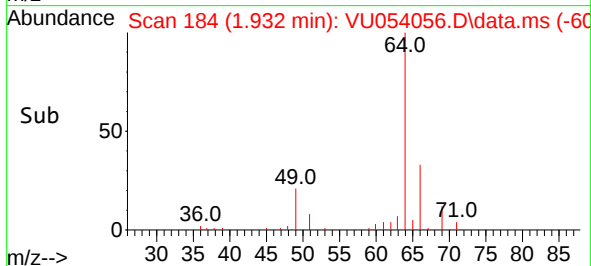
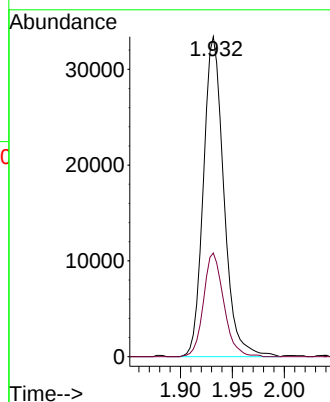
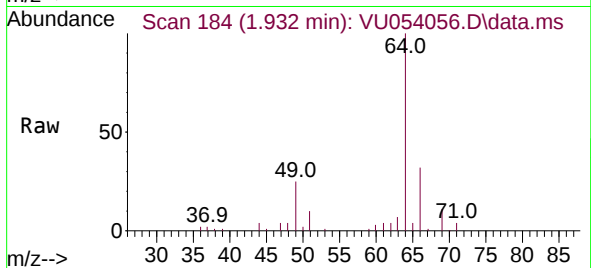




#8
Chloroethane
Concen: 49.990 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

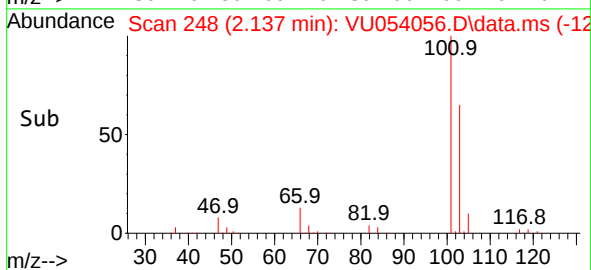
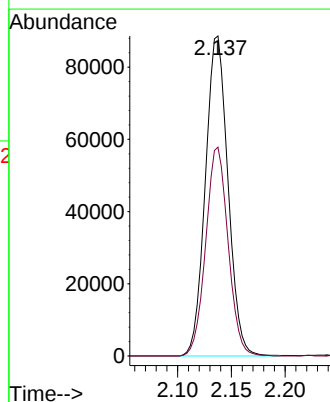
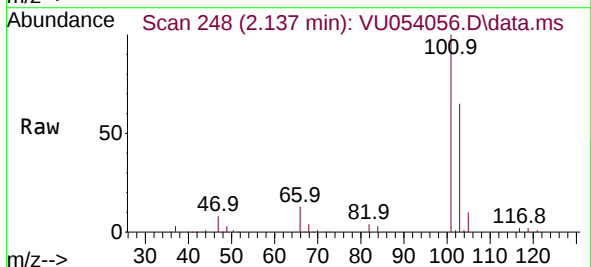
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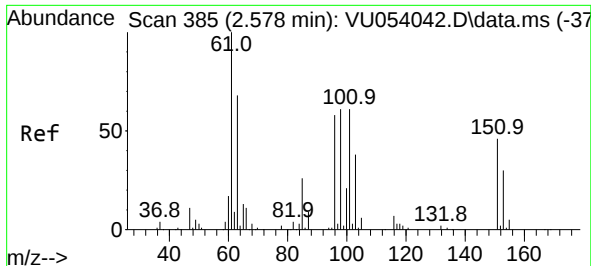
Tgt Ion: 64 Resp: 45773
Ion Ratio Lower Upper
64 100
66 32.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.589 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion:101 Resp: 129560
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4

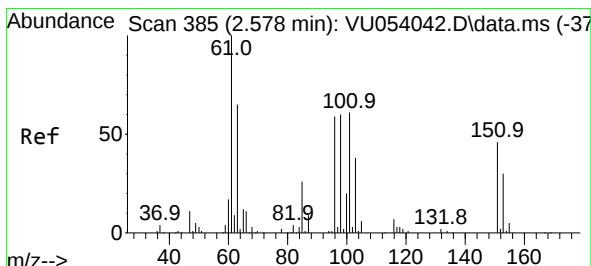
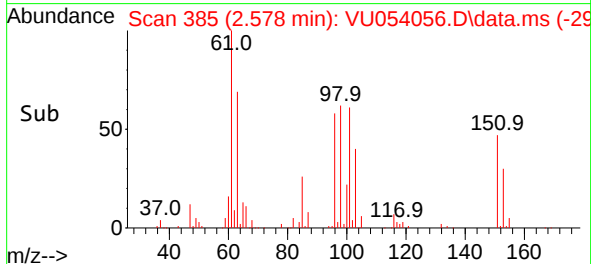
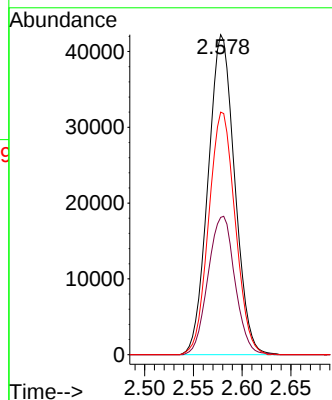
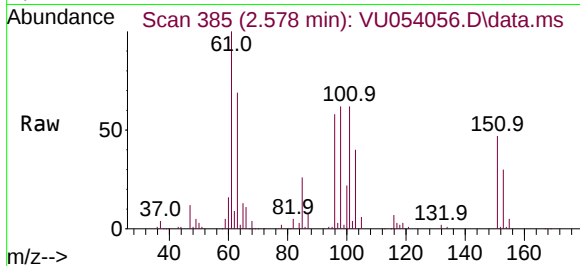




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.284 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

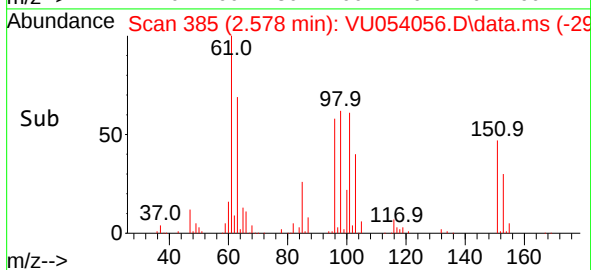
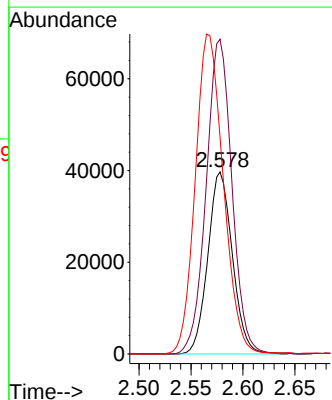
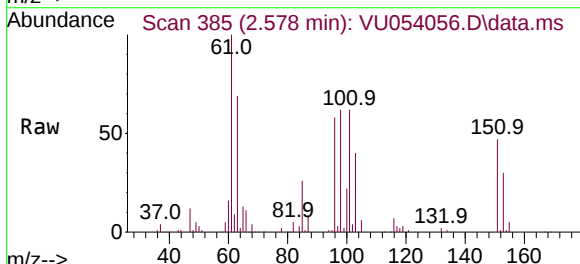
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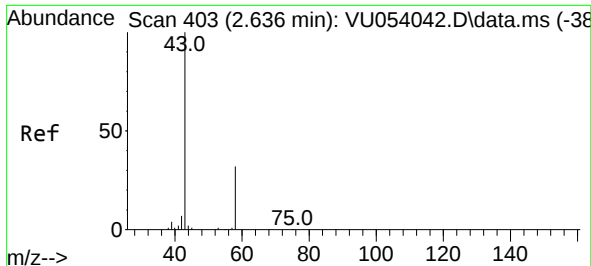
Tgt Ion:101 Resp: 80188
Ion Ratio Lower Upper
101 100
85 43.6 34.3 51.5
151 75.6 60.3 90.5



#12
1,1-Dichloroethene
Concen: 47.110 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 96 Resp: 65106
Ion Ratio Lower Upper
96 100
61 172.9 118.3 219.7
63 119.1 92.3 171.5





#13

Acetone

Concen: 132.134 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

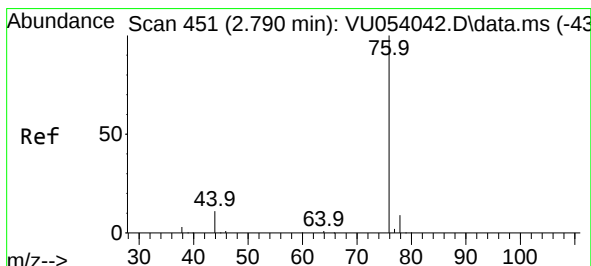
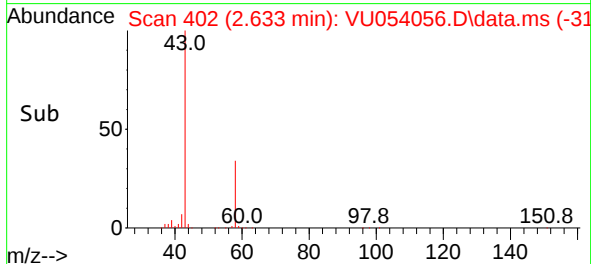
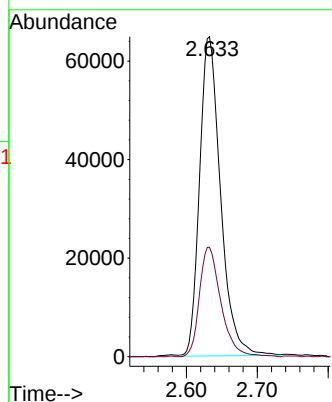
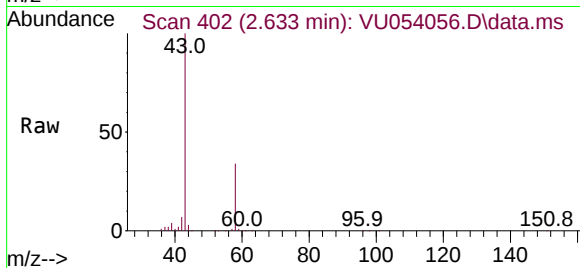
VSTD050089

Tgt Ion: 43 Resp: 133285

Ion Ratio Lower Upper

43 100

58 35.1 0.0 67.4



#14

Carbon disulfide

Concen: 47.513 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054056.D

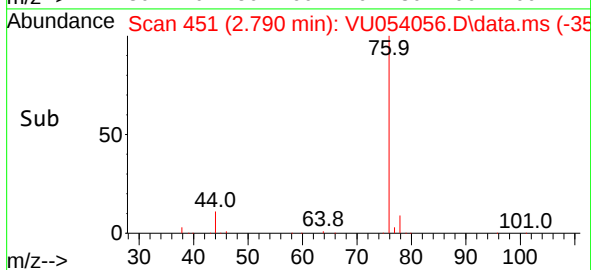
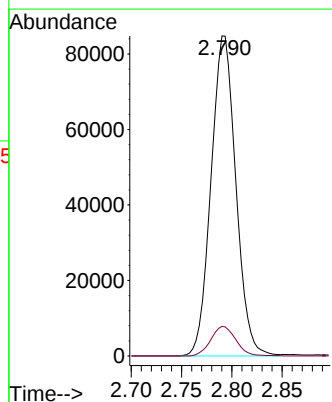
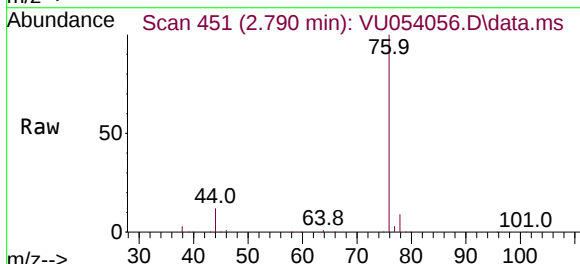
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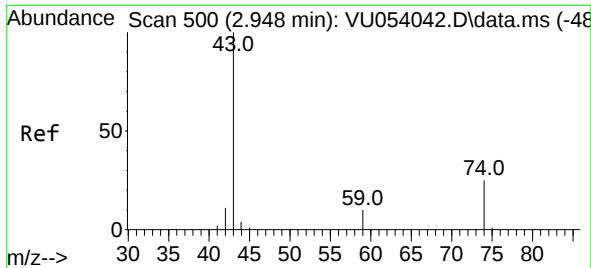
Tgt Ion: 76 Resp: 145739

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

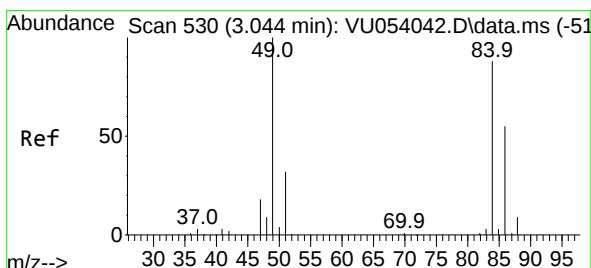
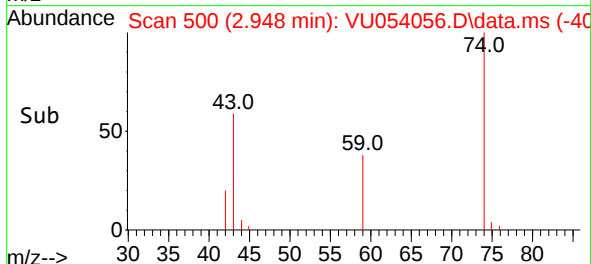
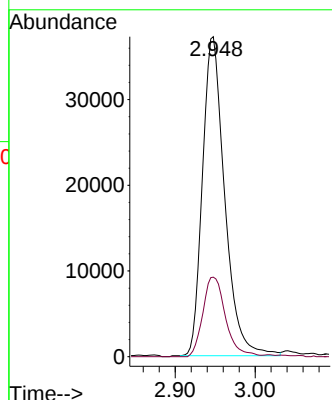
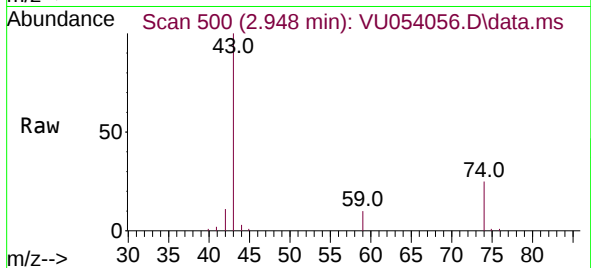




#15
Methyl Acetate
Concen: 45.605 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

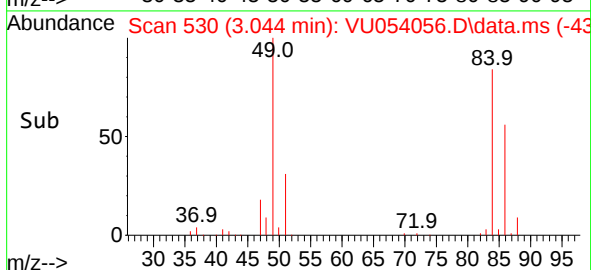
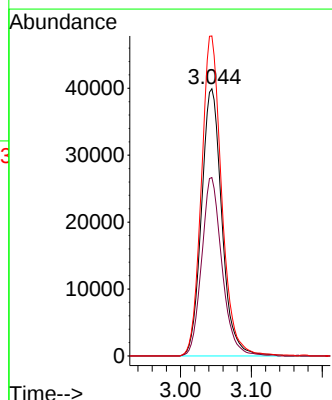
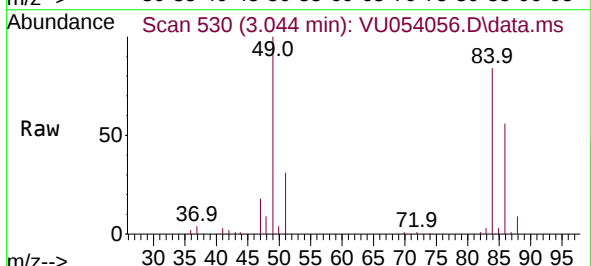
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

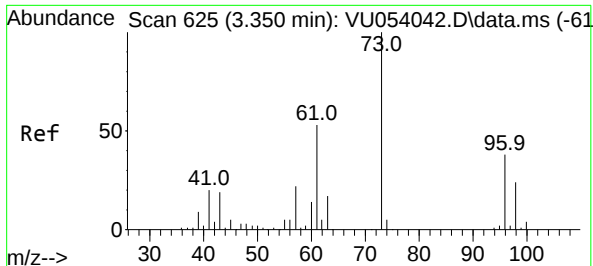
Tgt Ion: 43 Resp: 72042
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8



#16
Methylene chloride
Concen: 45.868 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 84 Resp: 79947
Ion Ratio Lower Upper
84 100
86 66.8 45.8 85.2
49 119.7 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 48.215 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

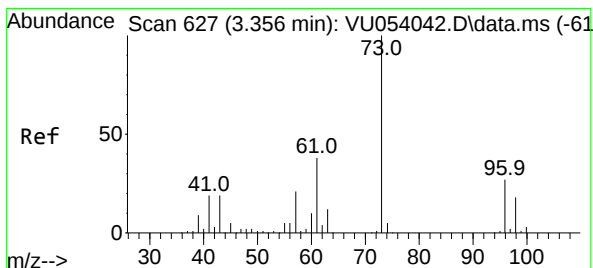
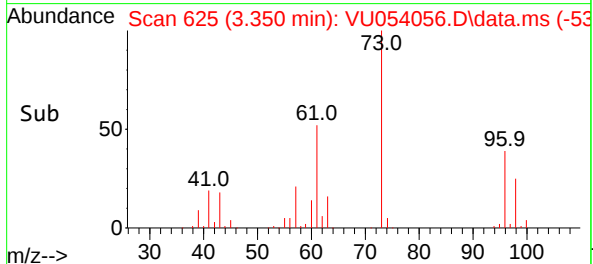
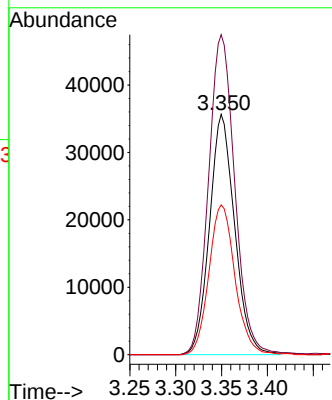
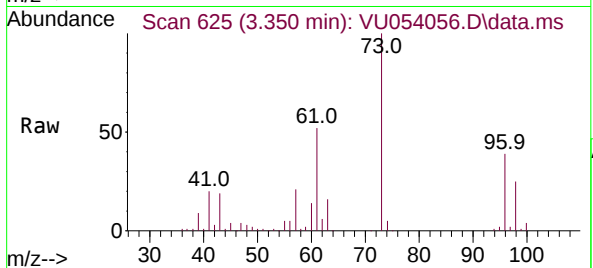
Tgt Ion: 96 Resp: 68134

Ion Ratio Lower Upper

96 100

61 133.2 97.5 181.1

98 62.3 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 47.319 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

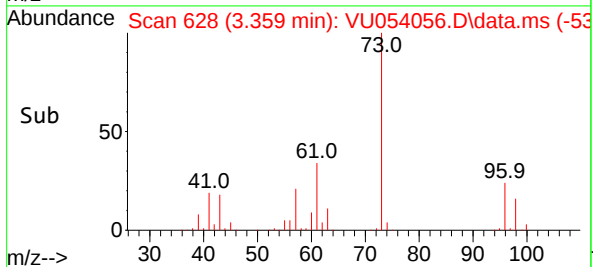
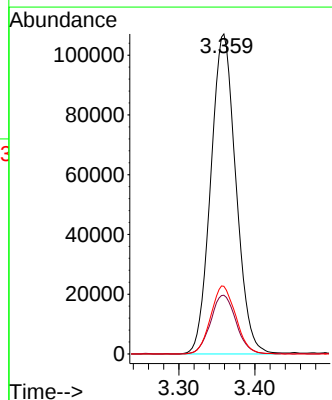
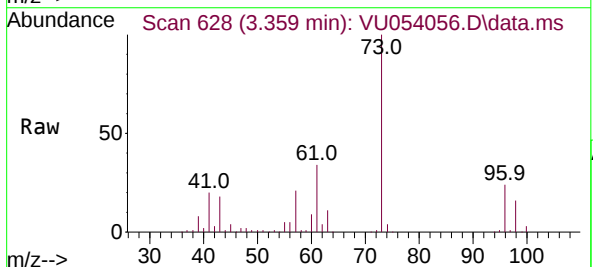
Tgt Ion: 73 Resp: 245830

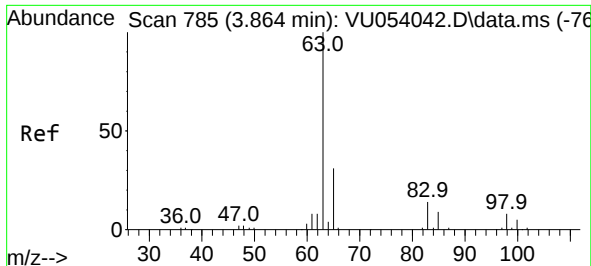
Ion Ratio Lower Upper

73 100

43 18.5 15.4 23.0

57 21.2 18.0 27.0





#19

1,1-Dichloroethane

Concen: 47.669 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

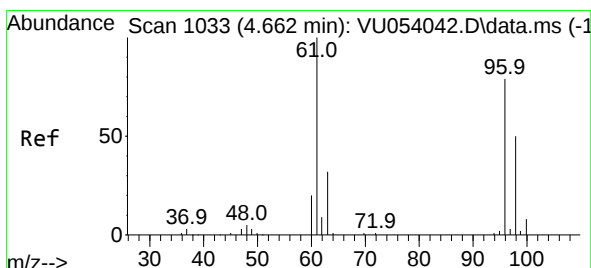
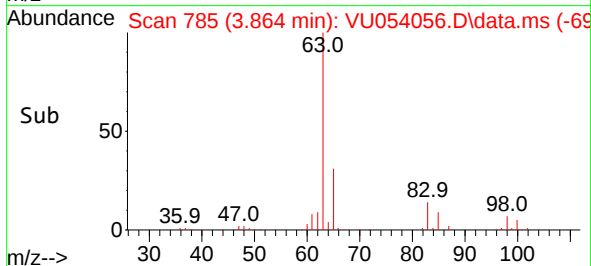
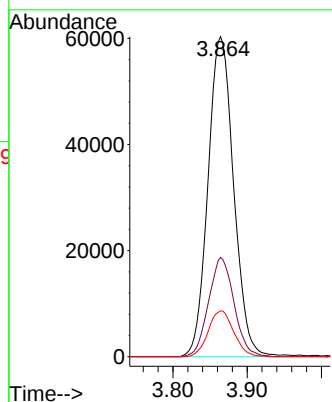
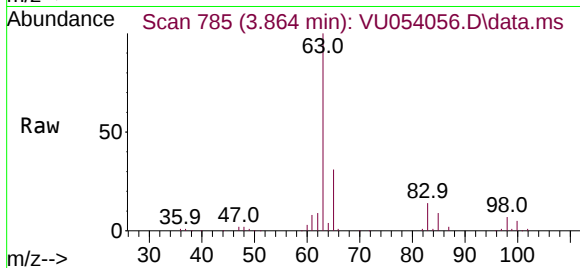
Tgt Ion: 63 Resp: 144635

Ion Ratio Lower Upper

63 100

65 31.1 22.0 40.8

83 14.3 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 47.271 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

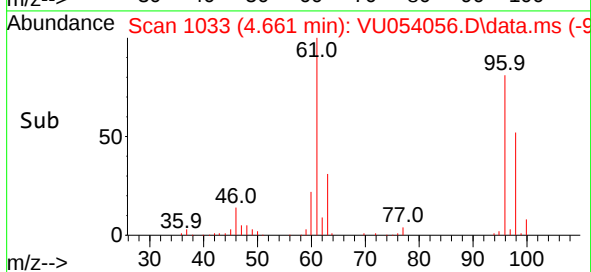
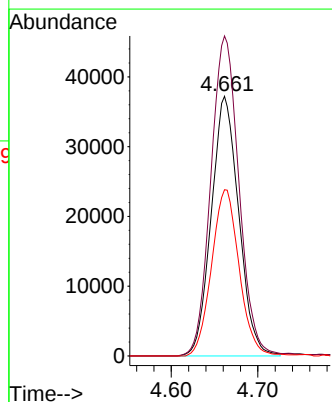
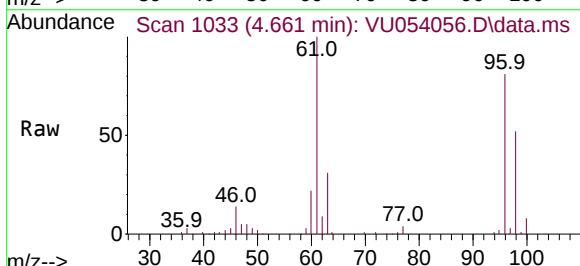
Tgt Ion: 96 Resp: 82090

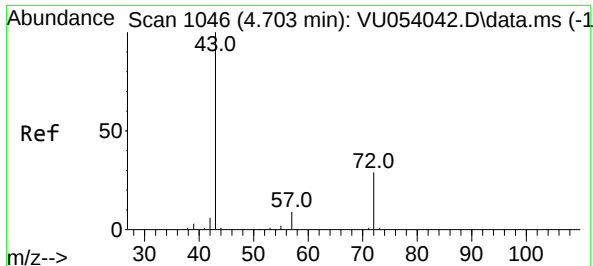
Ion Ratio Lower Upper

96 100

61 123.2 90.9 168.9

98 64.0 45.7 84.9

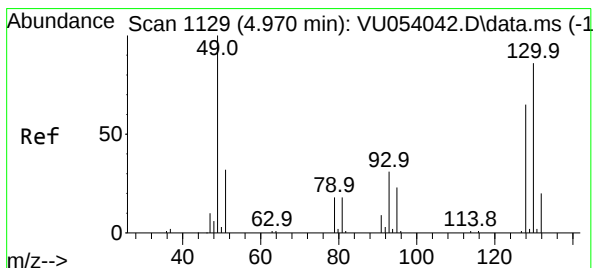
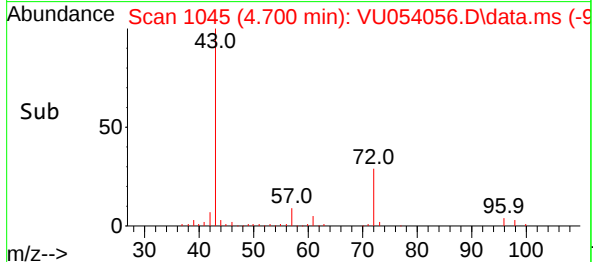
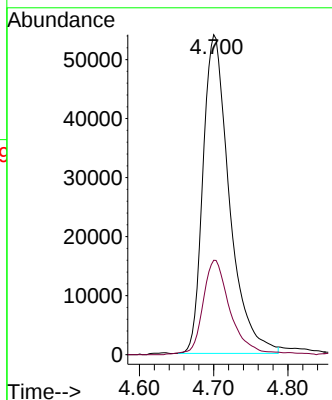
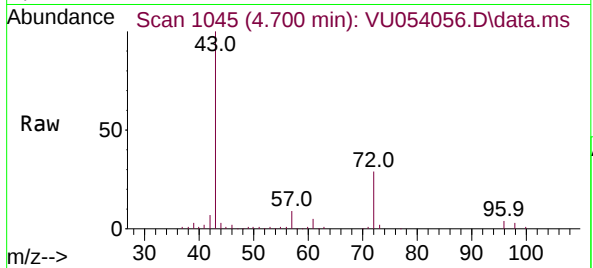




#22
2-Butanone
Concen: 111.844 ug/L
RT: 4.700 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

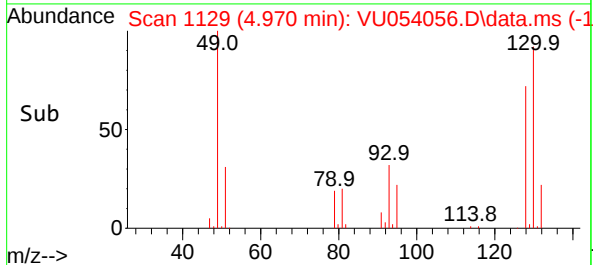
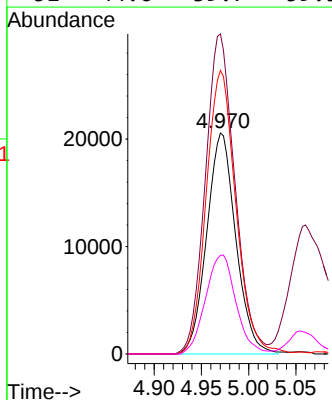
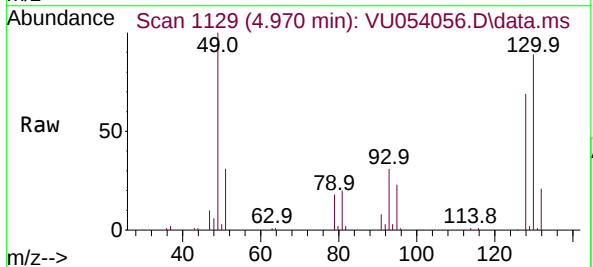
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

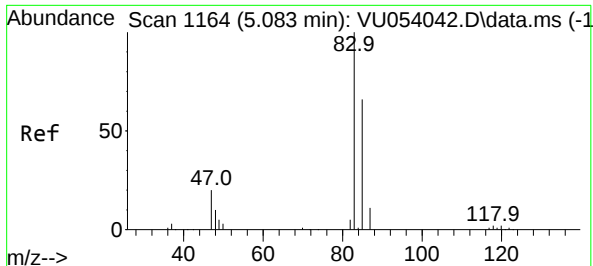
Tgt Ion: 43 Resp: 133196
Ion Ratio Lower Upper
43 100
72 30.7 14.0 41.9



#23
Bromochloromethane
Concen: 48.874 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion:128 Resp: 44002
Ion Ratio Lower Upper
128 100
49 144.8 107.5 199.7
130 128.3 91.0 169.0
51 44.6 39.7 59.5





#25

Chloroform

Concen: 48.850 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

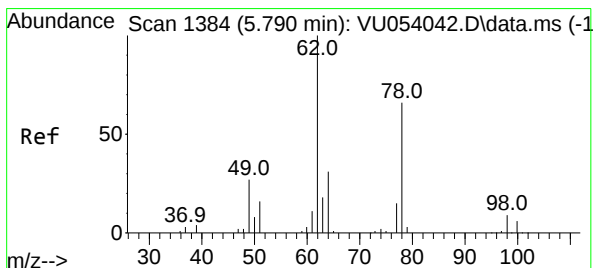
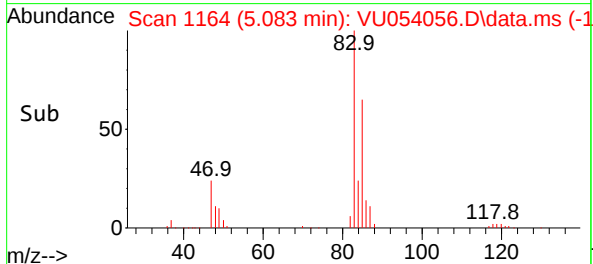
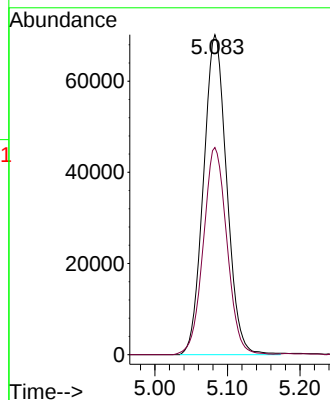
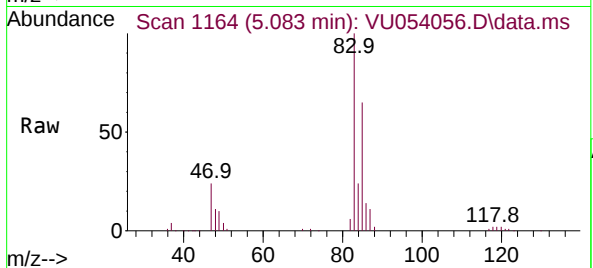
VSTD050089

Tgt Ion: 83 Resp: 156405

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 48.311 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU054056.D

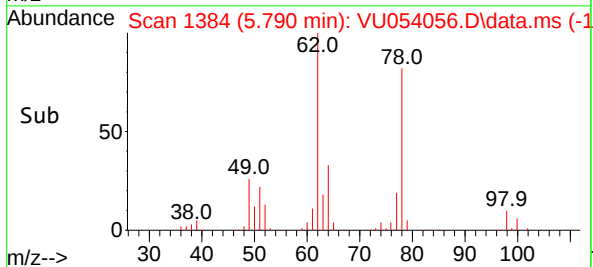
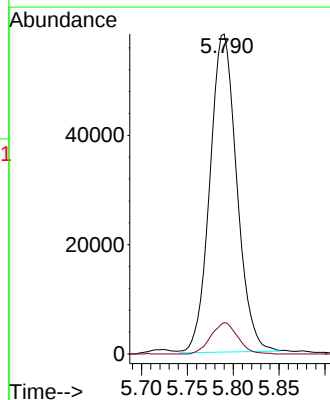
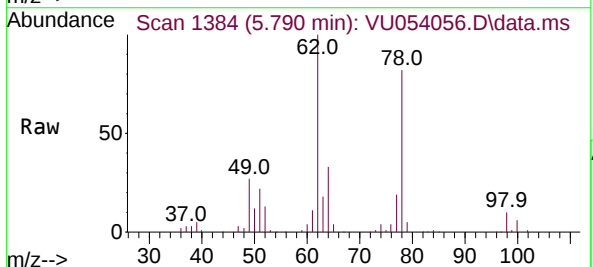
Acq: 04 May 2023 11:29

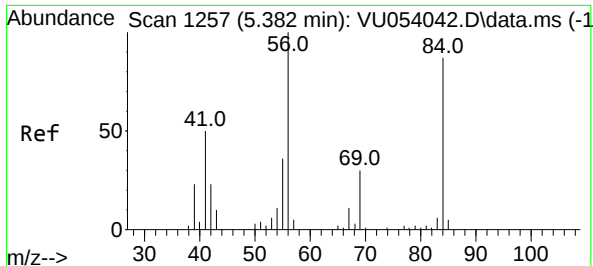
Tgt Ion: 62 Resp: 118978

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0





#29

Cyclohexane

Concen: 46.420 ug/L

RT: 5.385 min Scan# 1257

Delta R.T. 0.003 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

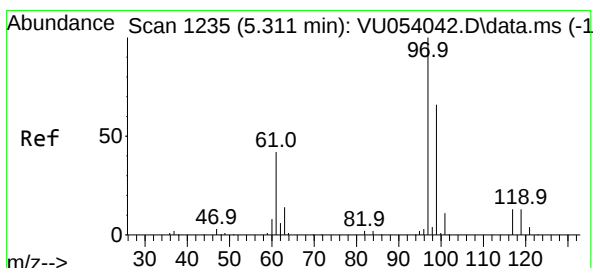
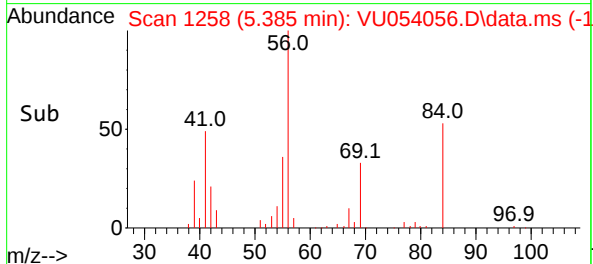
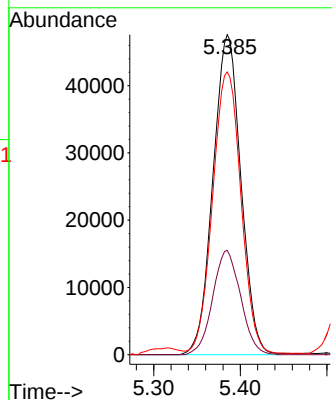
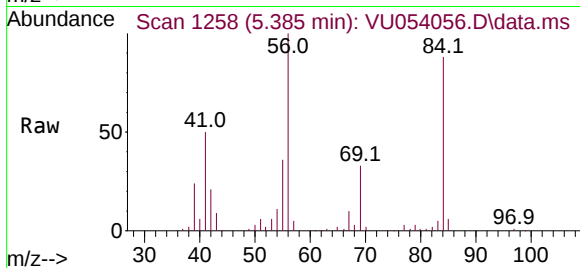
Tgt Ion: 56 Resp: 106585

Ion Ratio Lower Upper

56 100

69 32.5 25.8 38.6

84 88.9 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 49.441 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

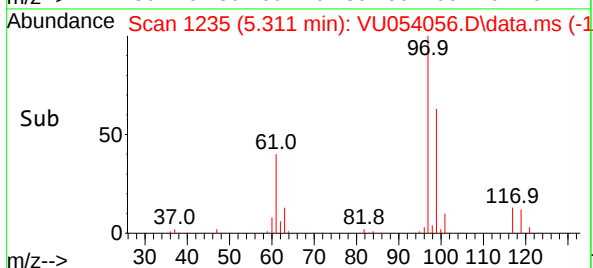
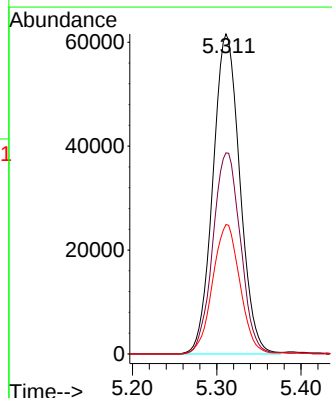
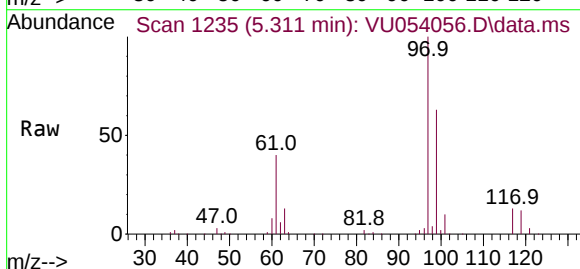
Tgt Ion: 97 Resp: 136910

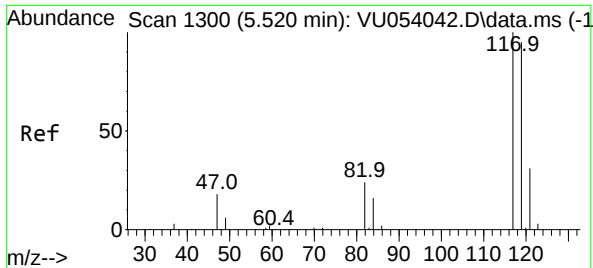
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 41.0 34.2 51.4

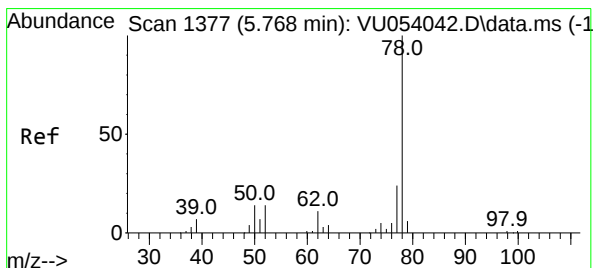
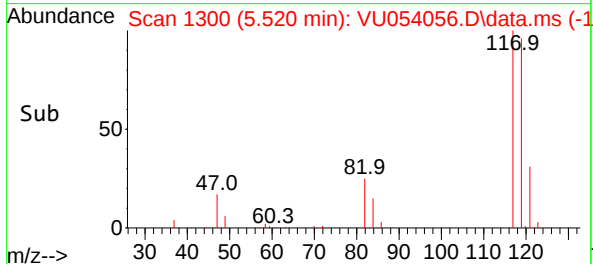
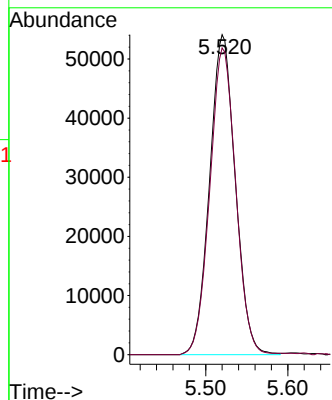
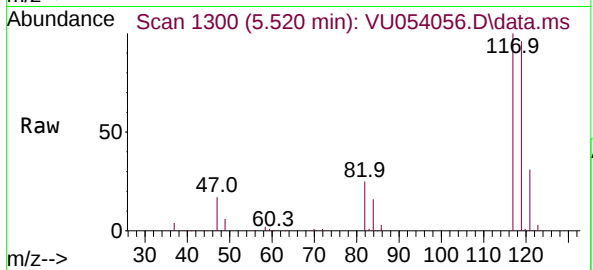




#31
Carbon tetrachloride
Concen: 49.883 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

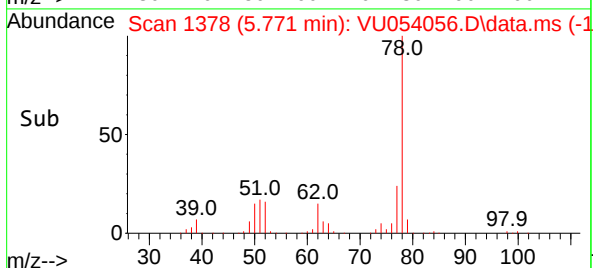
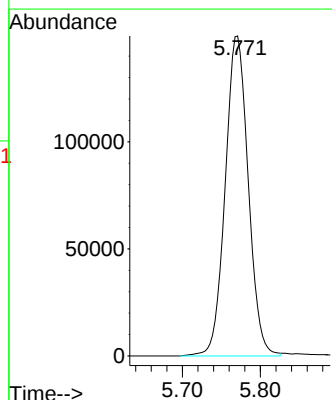
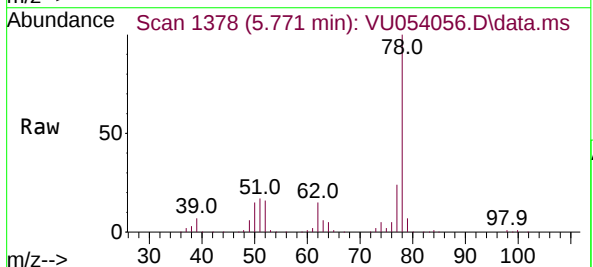
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

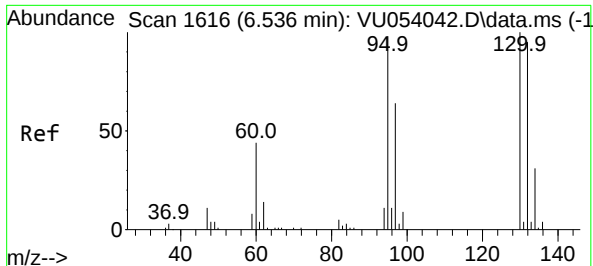
Tgt Ion:117 Resp: 117845
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6



#33
Benzene
Concen: 47.444 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 78 Resp: 306798





#34

Trichloroethene

Concen: 48.710 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

Tgt Ion: 95 Resp: 83600

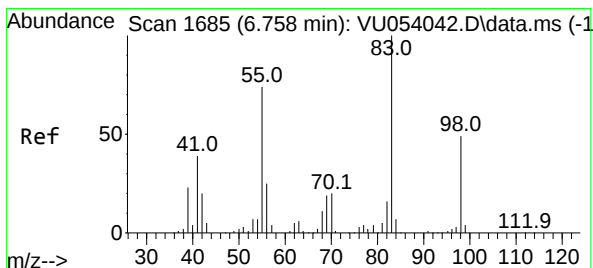
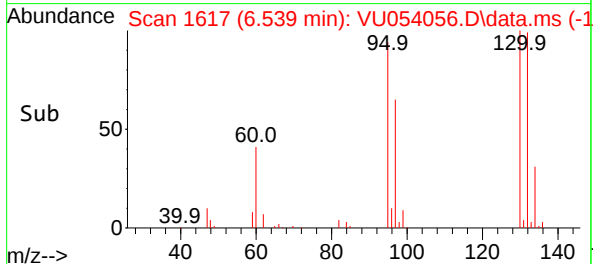
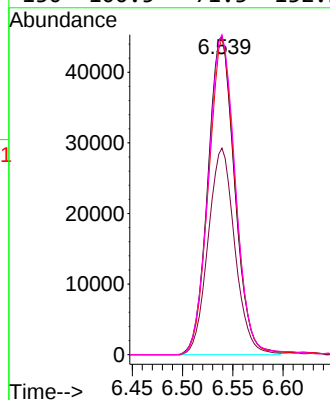
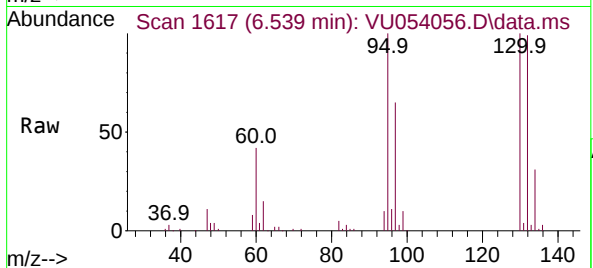
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.3

132 99.5 67.8 126.0

130 100.5 71.3 132.3



#35

Methylcyclohexane

Concen: 48.244 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

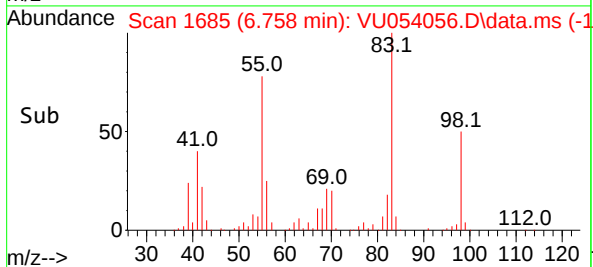
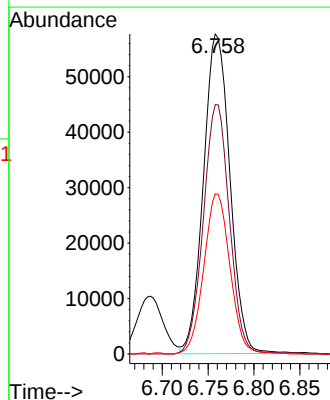
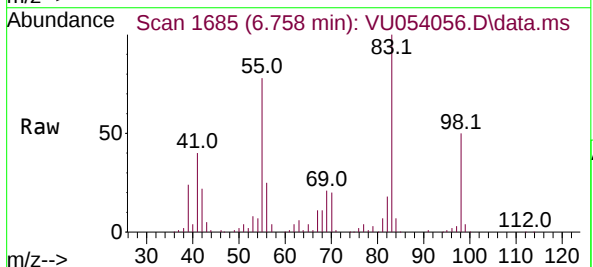
Tgt Ion: 83 Resp: 116127

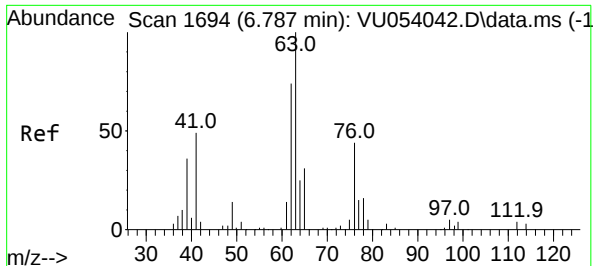
Ion Ratio Lower Upper

83 100

55 76.4 61.8 92.6

98 49.2 38.4 57.6

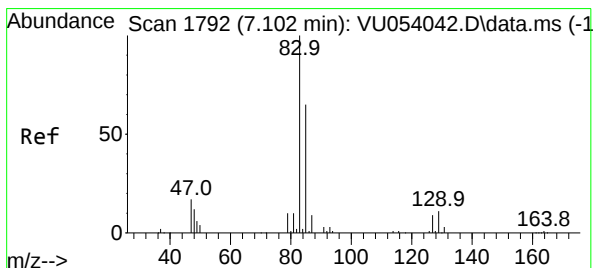
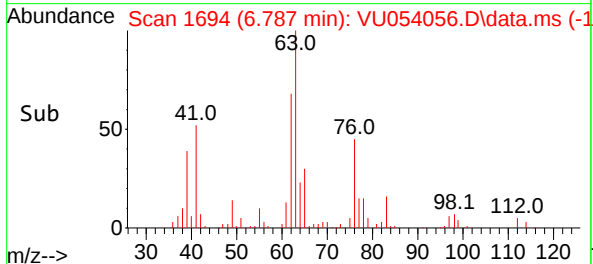
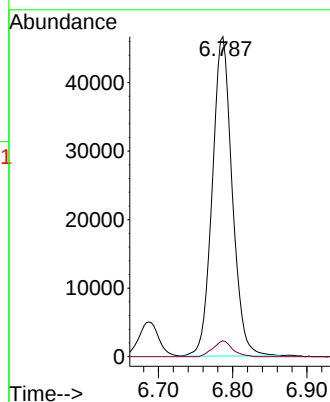
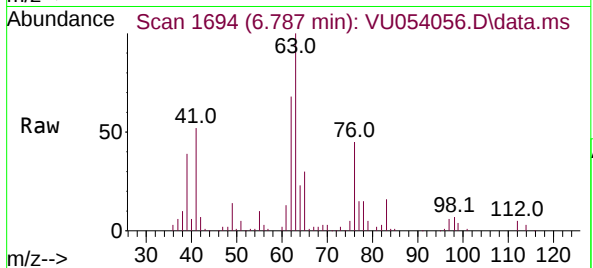




#37
1,2-Dichloropropane
Concen: 47.502 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

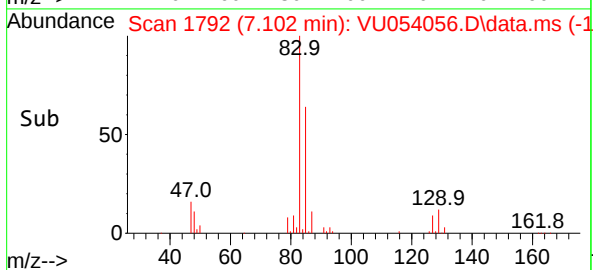
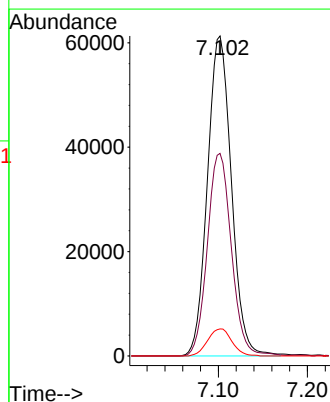
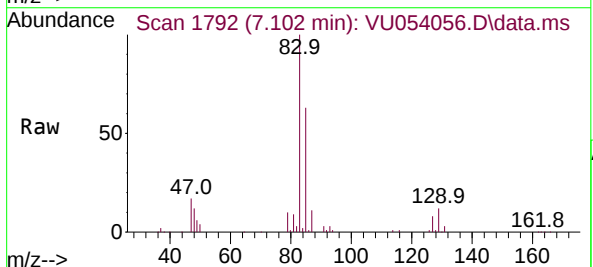
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

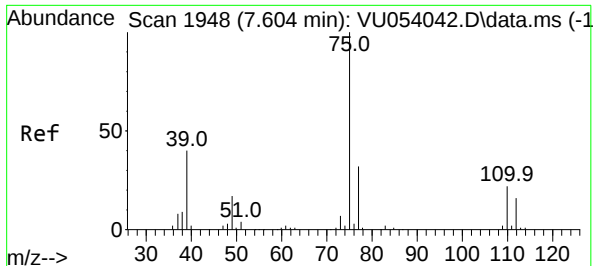
Tgt Ion: 63 Resp: 86904
Ion Ratio Lower Upper
63 100
112 4.8 3.4 5.0



#38
Bromodichloromethane
Concen: 49.659 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 83 Resp: 114460
Ion Ratio Lower Upper
83 100
85 63.3 45.0 83.6
127 8.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 48.568 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

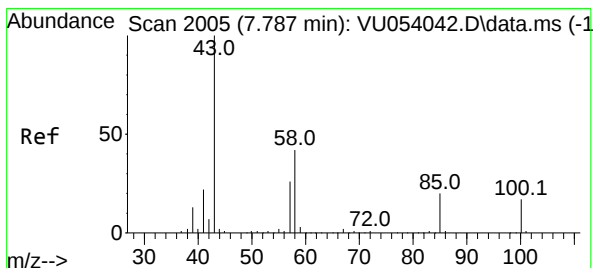
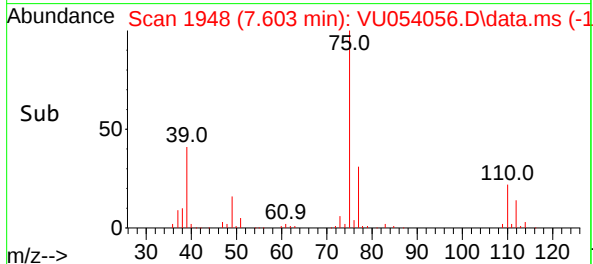
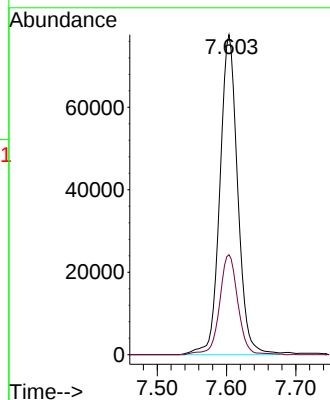
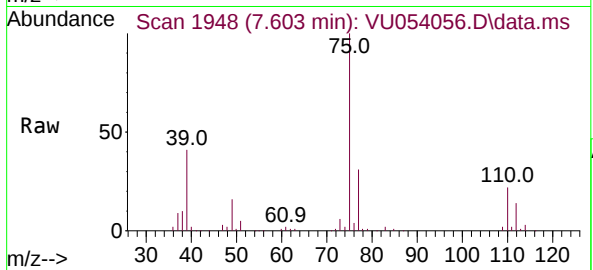
VSTD050089

Tgt Ion: 75 Resp: 138999

Ion Ratio Lower Upper

75 100

77 31.3 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 92.409 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

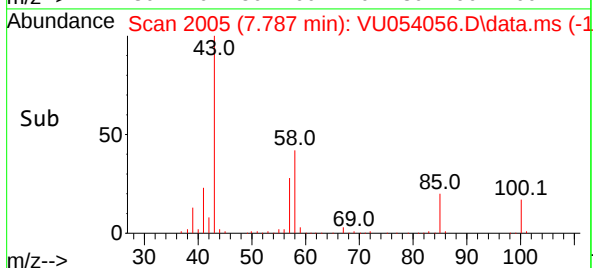
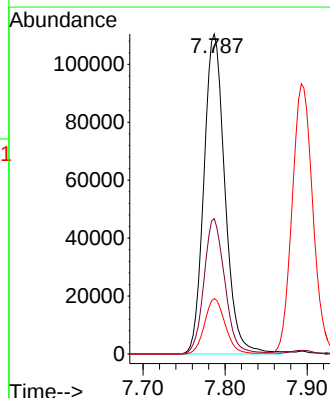
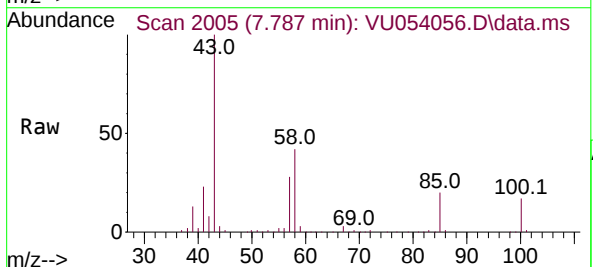
Tgt Ion: 43 Resp: 197019

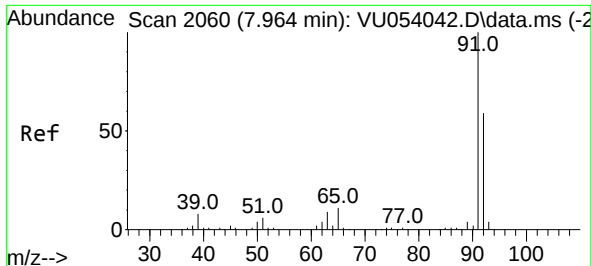
Ion Ratio Lower Upper

43 100

58 42.1 34.5 51.7

100 16.9 13.8 20.6





#42

Toluene

Concen: 48.933 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

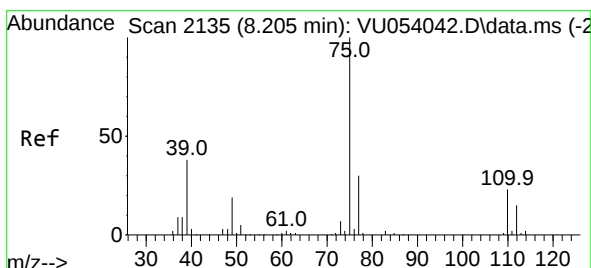
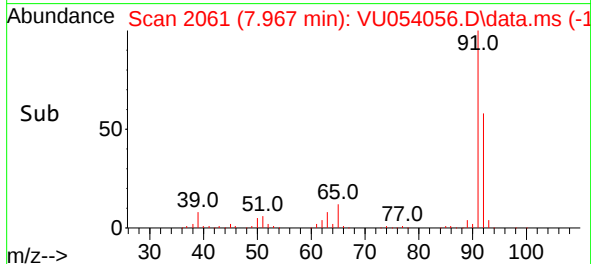
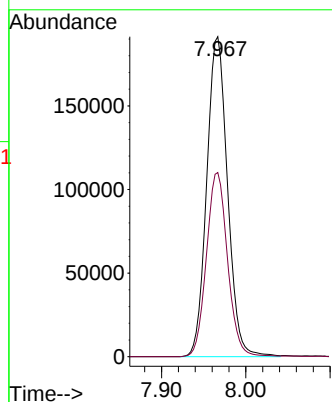
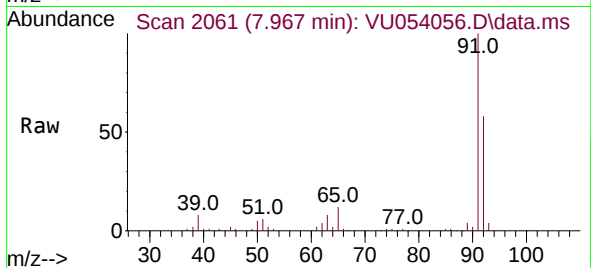
VSTD050089

Tgt Ion: 91 Resp: 329416

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 48.378 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054056.D

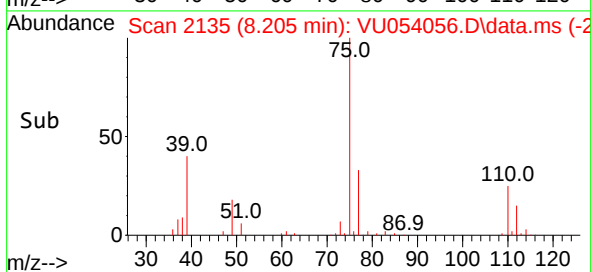
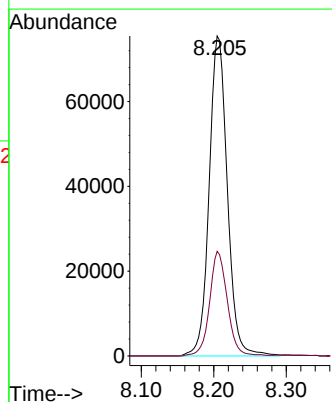
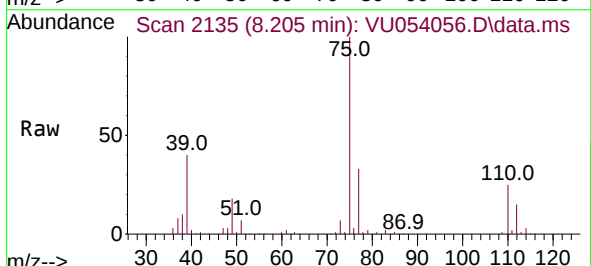
Acq: 04 May 2023 11:29

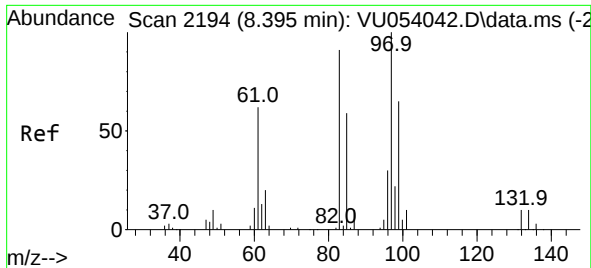
Tgt Ion: 75 Resp: 131583

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7

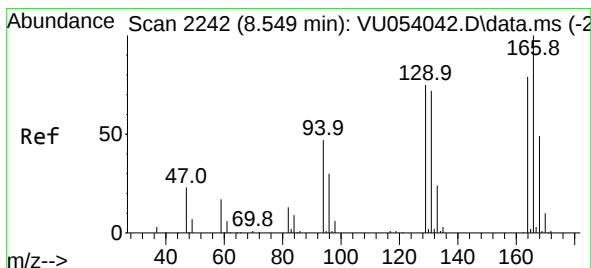
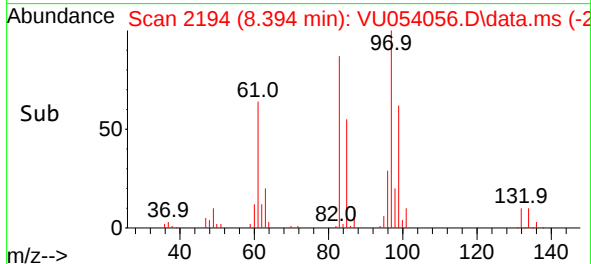
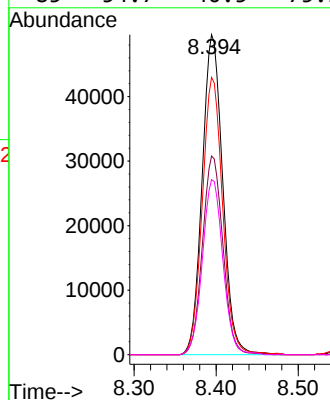
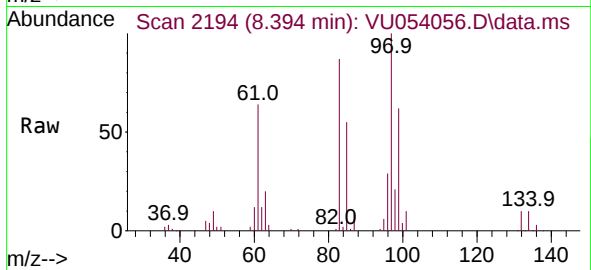




#45
1,1,2-Trichloroethane
Concen: 48.721 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

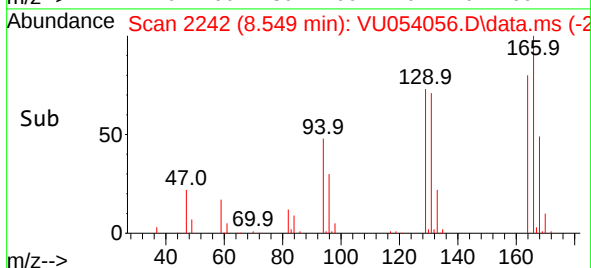
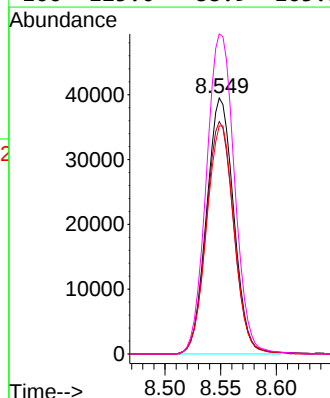
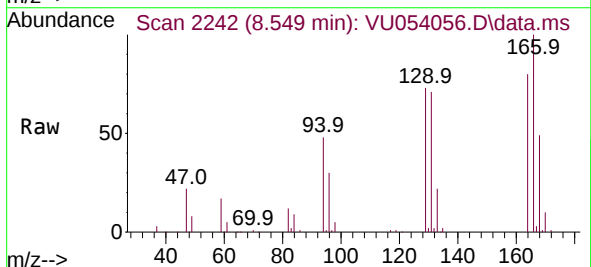
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

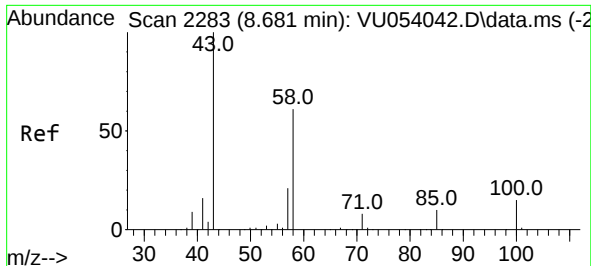
Tgt Ion:	97	Resp:	86276
Ion	Ratio	Lower	Upper
97	100		
99	62.1	46.2	85.8
83	86.6	62.7	116.5
85	54.7	40.5	75.1



#46
Tetrachloroethene
Concen: 49.231 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion:	164	Resp:	67033
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.6	121.8
131	89.0	63.8	118.4
166	125.0	88.9	165.1



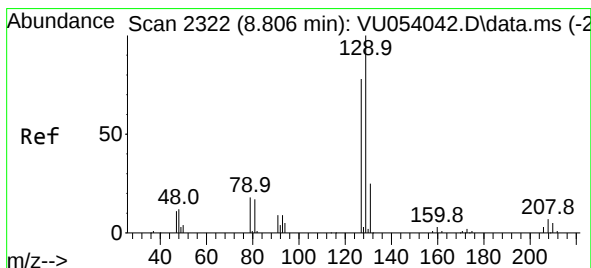
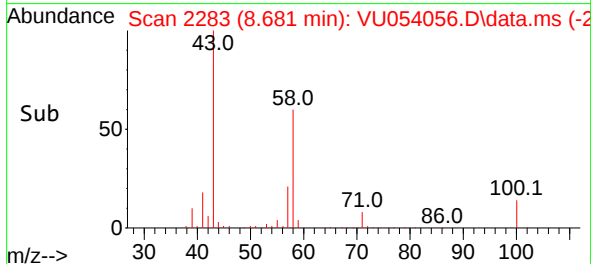
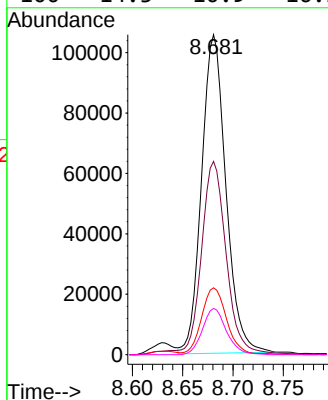
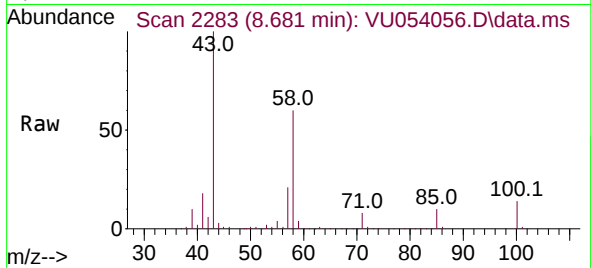


#48
2-Hexanone
Concen: 105.052 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

Tgt Ion: 43 Resp: 177501

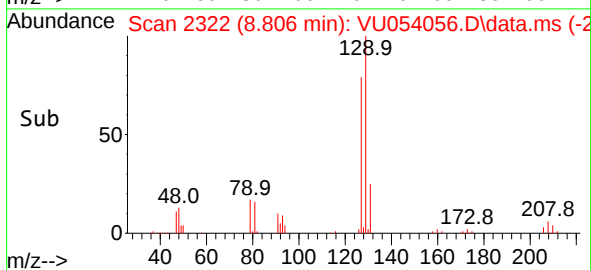
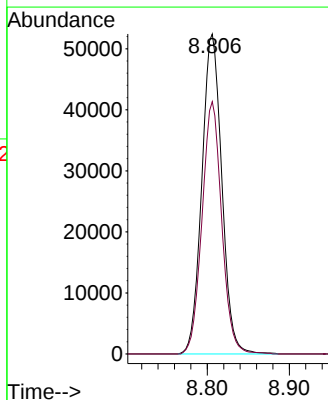
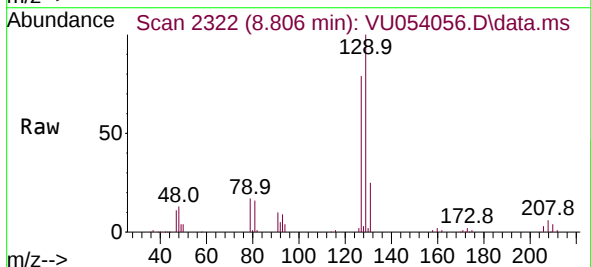
Ion	Ratio	Lower	Upper
43	100		
58	62.8	48.5	72.7
57	21.5	16.5	24.7
100	14.3	10.9	16.3

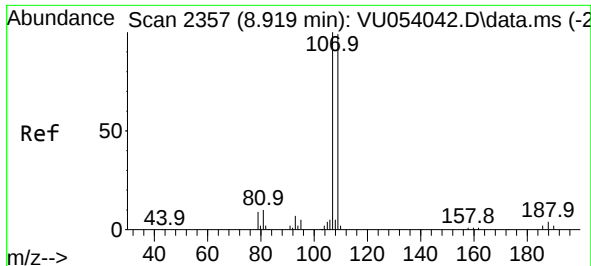


#49
Dibromochloromethane
Concen: 50.940 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 129 Resp: 88888

Ion	Ratio	Lower	Upper
129	100		
127	78.9	52.9	98.3





#50

1,2-Dibromoethane

Concen: 49.040 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

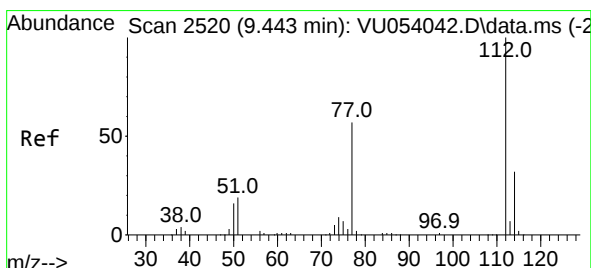
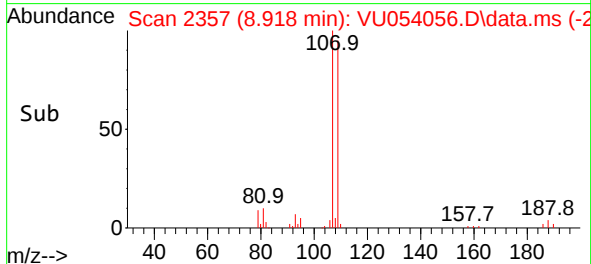
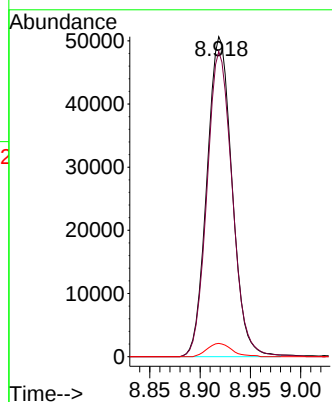
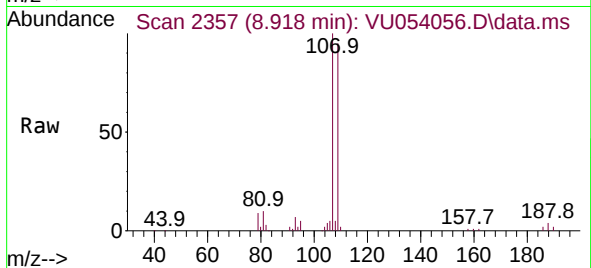
Tgt Ion:107 Resp: 88143

Ion Ratio Lower Upper

107 100

109 95.3 66.1 122.8

188 4.2 3.1 4.7



#51

Chlorobenzene

Concen: 49.776 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

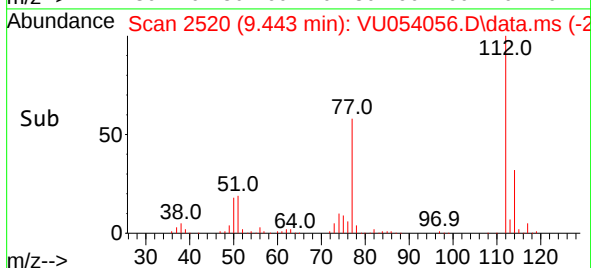
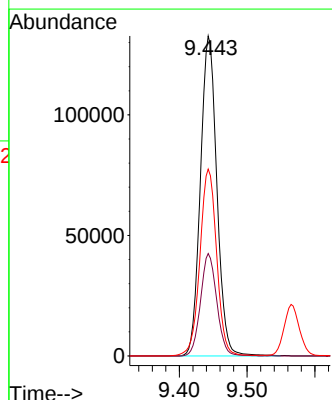
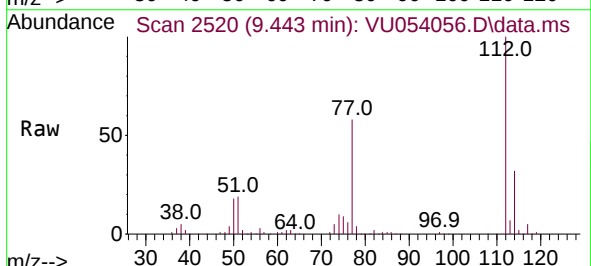
Tgt Ion:112 Resp: 224127

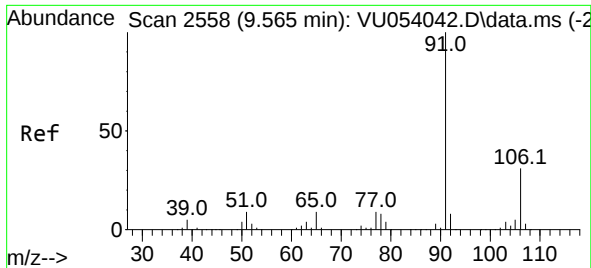
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 58.4 47.0 70.4

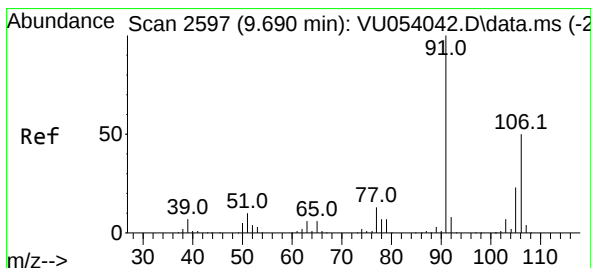
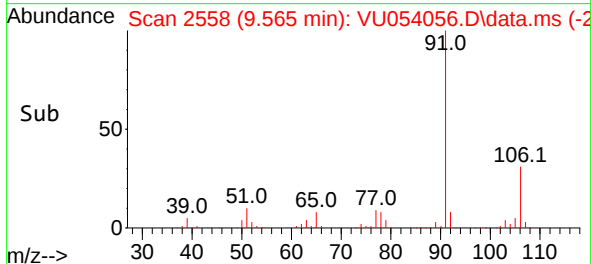
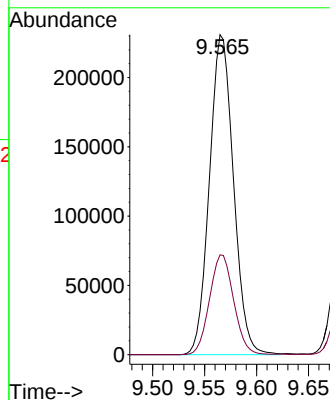
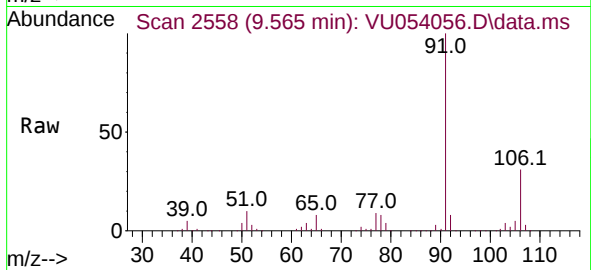




#52
Ethylbenzene
Concen: 49.035 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

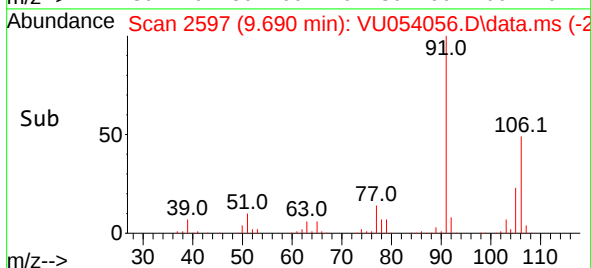
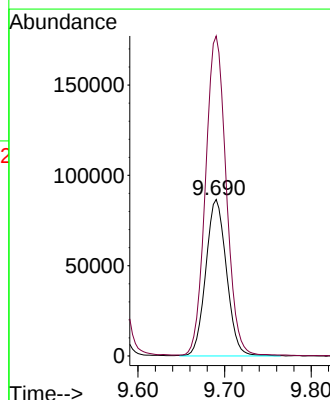
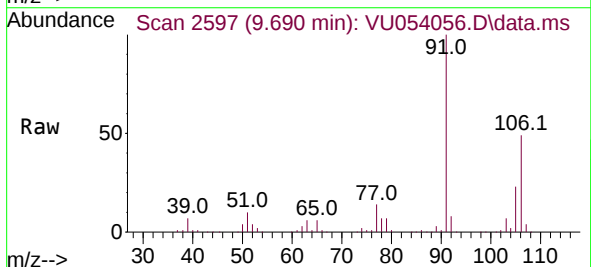
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

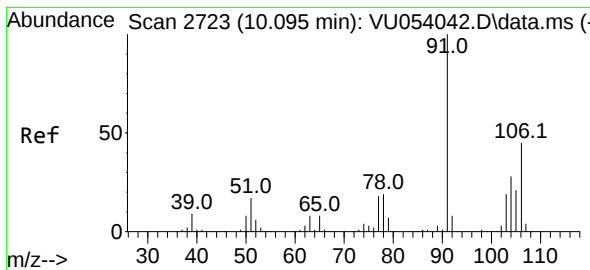
Tgt Ion: 91 Resp: 371525
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 50.662 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 106 Resp: 144140
Ion Ratio Lower Upper
106 100
91 204.5 140.5 260.9





#54

o-Xylene

Concen: 50.114 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

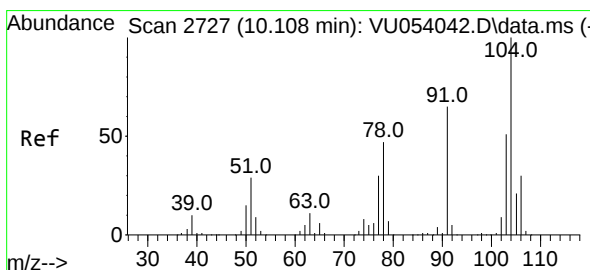
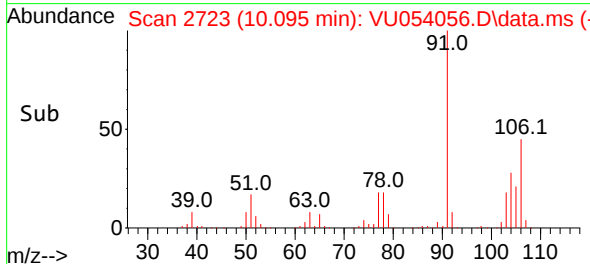
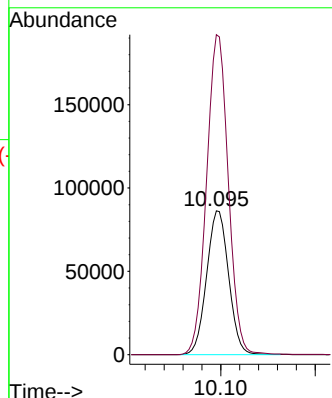
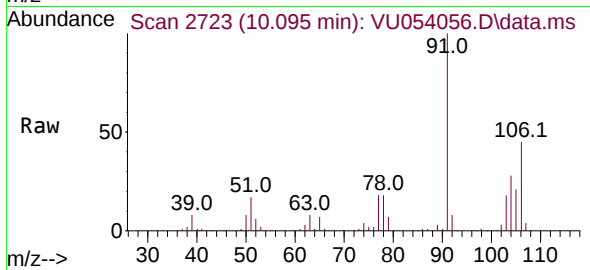
VSTD050089

Tgt Ion:106 Resp: 139488

Ion Ratio Lower Upper

106 100

91 222.6 154.9 287.7



#55

Styrene

Concen: 51.265 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054056.D

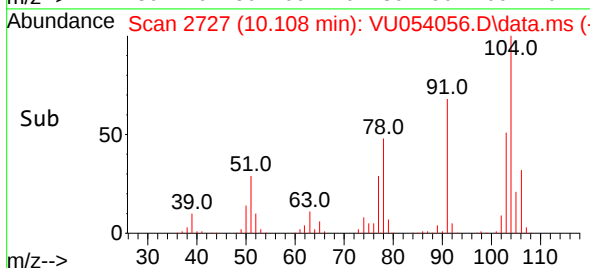
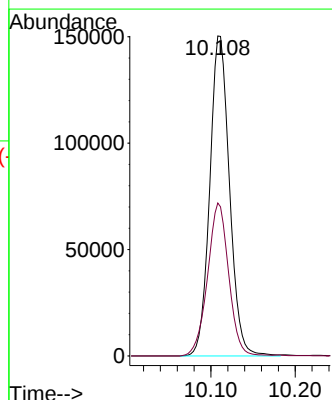
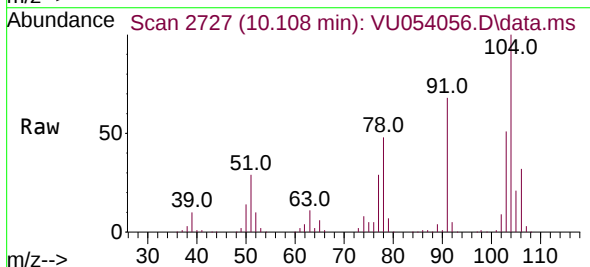
Acq: 04 May 2023 11:29

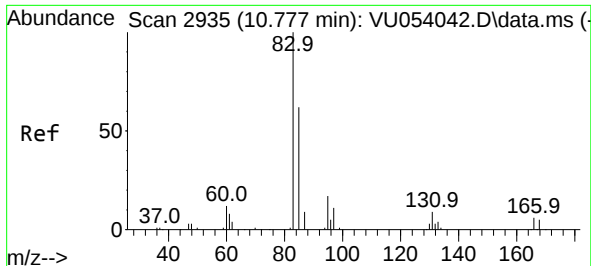
Tgt Ion:104 Resp: 244748

Ion Ratio Lower Upper

104 100

78 47.8 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 47.588 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

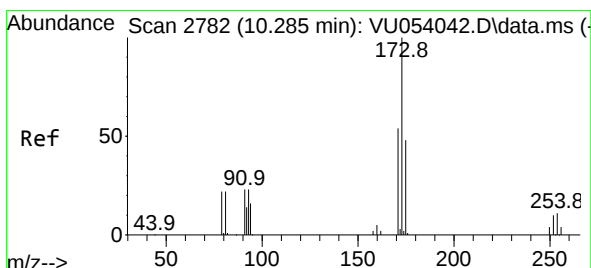
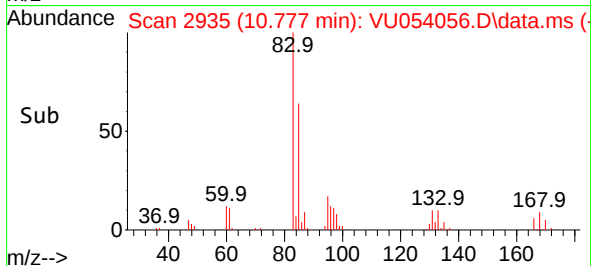
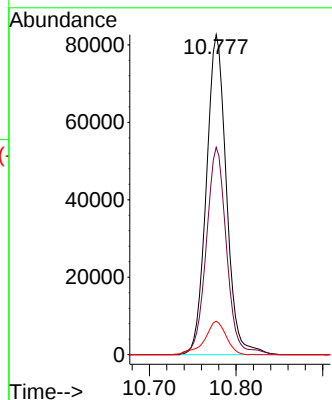
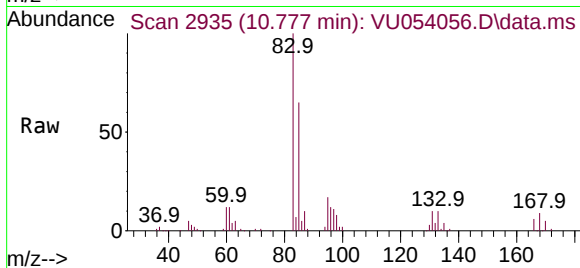
Tgt Ion: 83 Resp: 132747

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

131 10.5 8.2 12.2



#59

Bromoform

Concen: 48.139 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

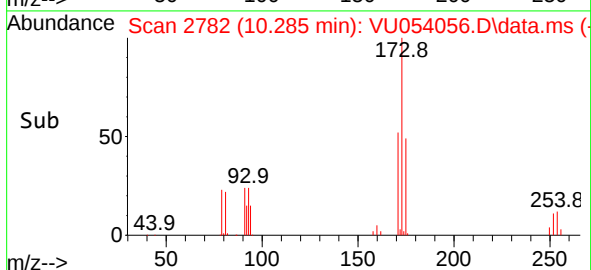
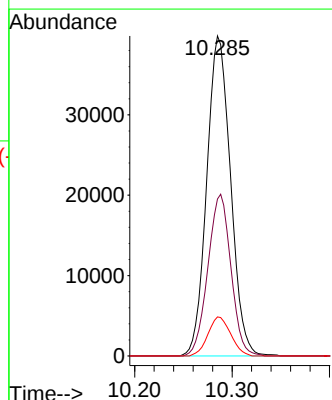
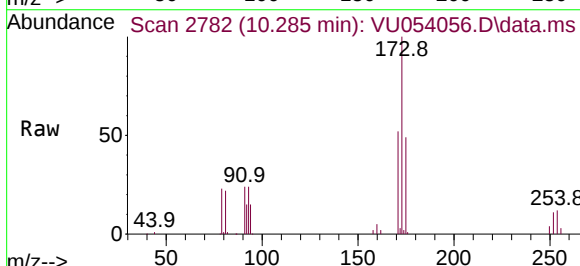
Tgt Ion:173 Resp: 67639

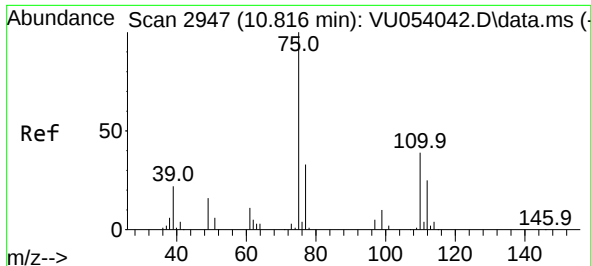
Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

254 11.7 8.5 12.7

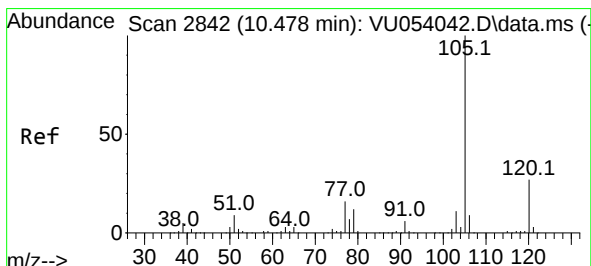
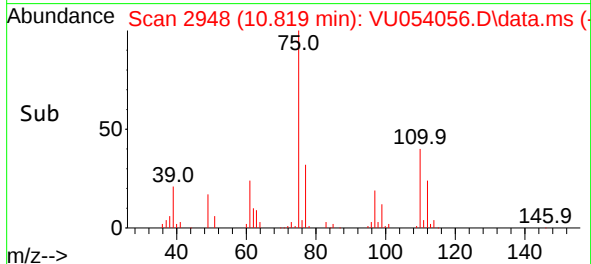
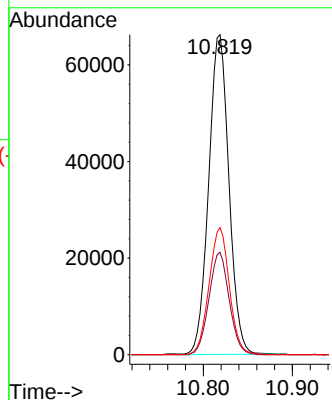
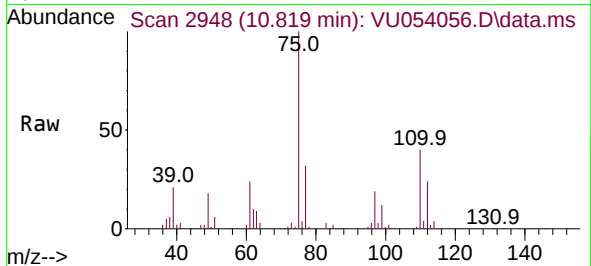




#60
1,2,3-Trichloropropane
Concen: 44.761 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

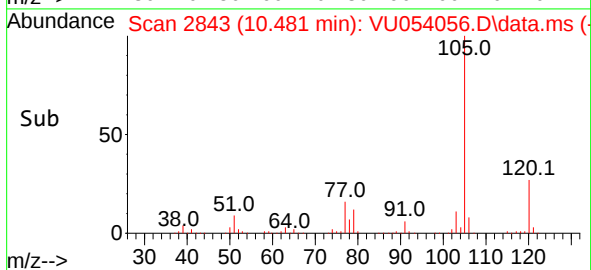
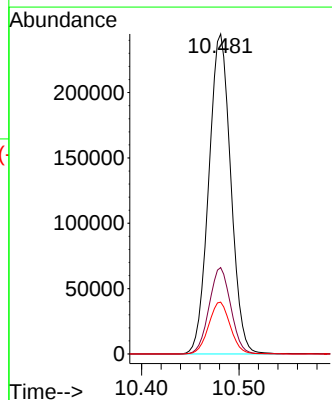
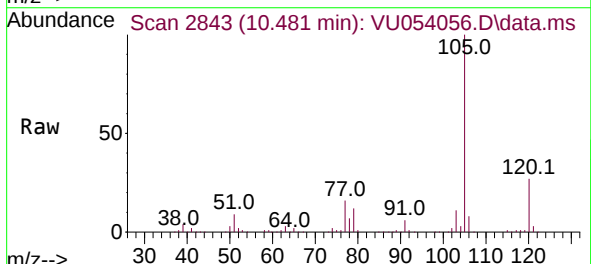
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

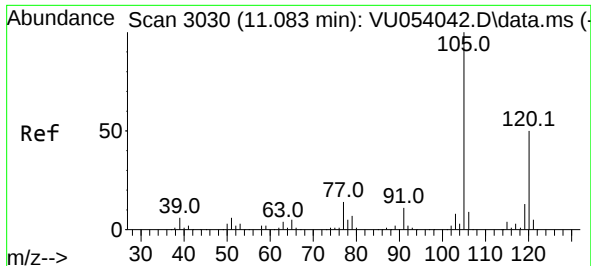
Tgt Ion: 75 Resp: 104347
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 39.9 31.8 47.8



#61
Isopropylbenzene
Concen: 48.360 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 105 Resp: 383129
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 15.9 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 48.662 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

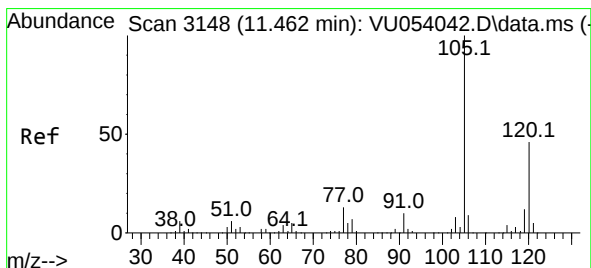
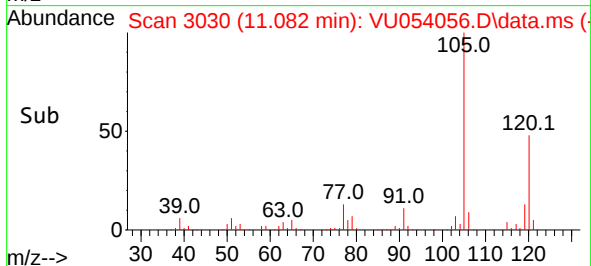
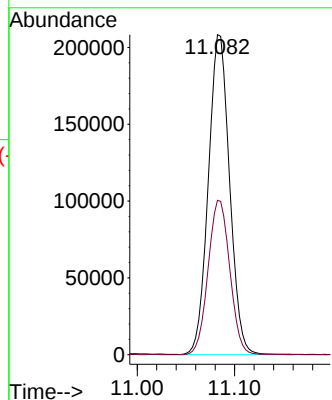
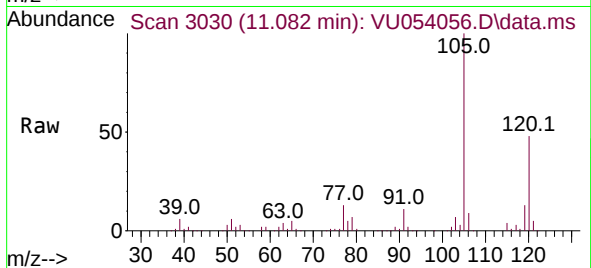
VSTD050089

Tgt Ion:105 Resp: 315915

Ion Ratio Lower Upper

105 100

120 49.2 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 49.180 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU054056.D

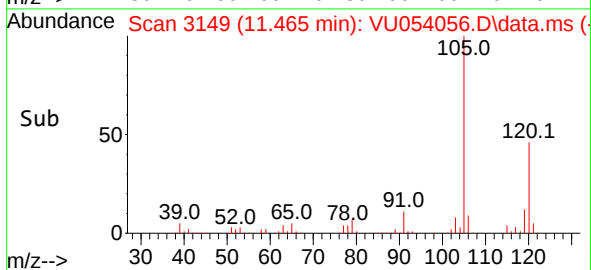
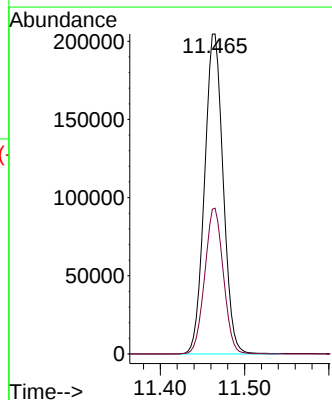
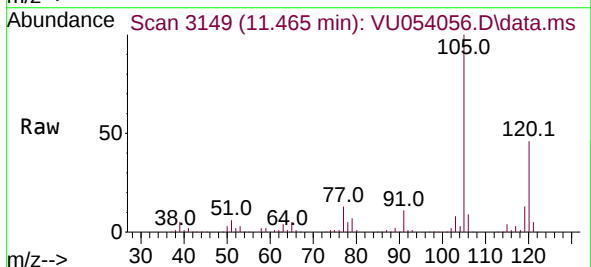
Acq: 04 May 2023 11:29

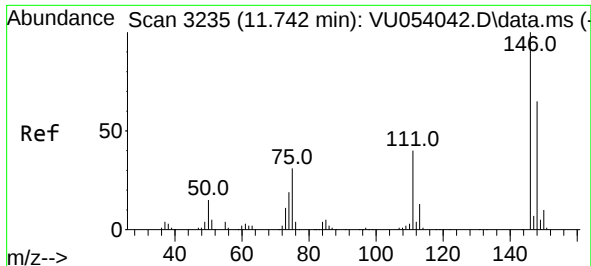
Tgt Ion:105 Resp: 314698

Ion Ratio Lower Upper

105 100

120 45.3 36.5 54.7

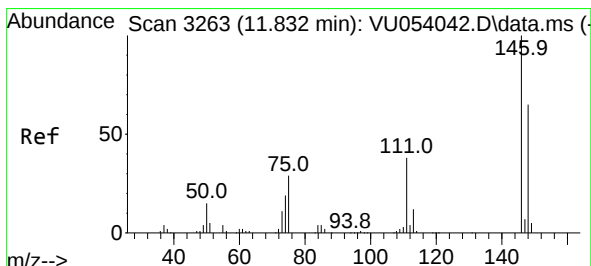
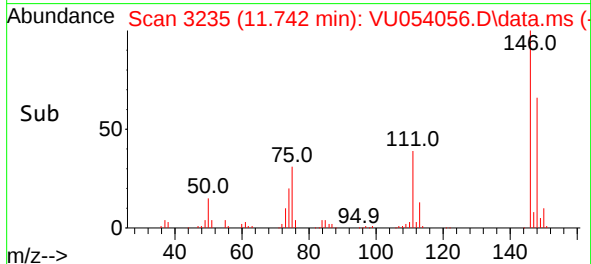
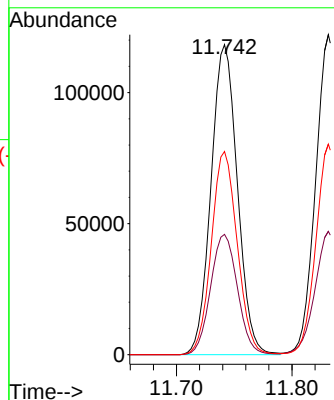
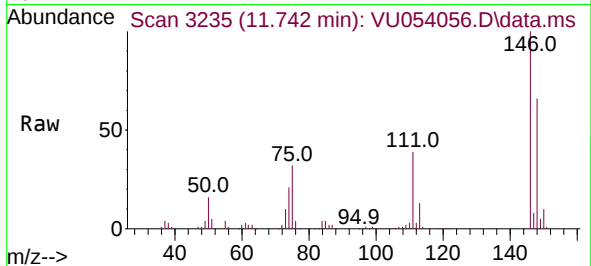




#64
1,3-Dichlorobenzene
Concen: 48.420 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

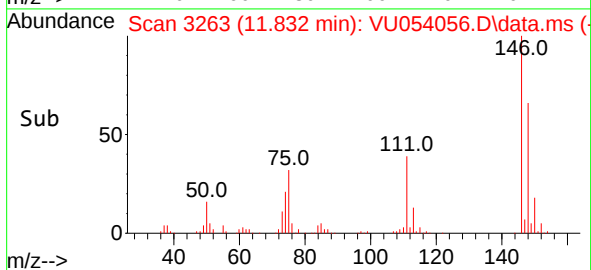
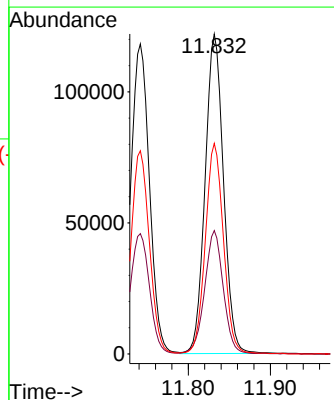
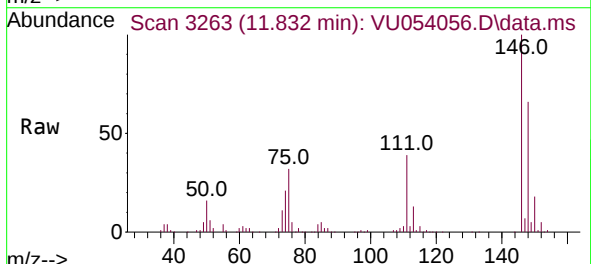
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

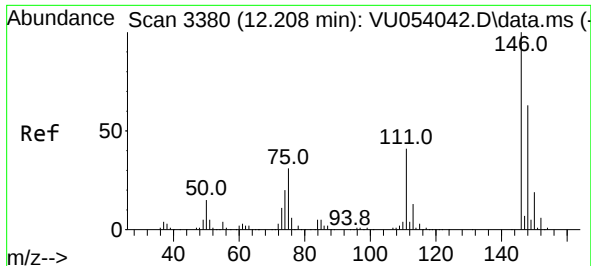
Tgt Ion:146 Resp: 187612
Ion Ratio Lower Upper
146 100
111 38.8 27.9 51.7
148 65.6 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 48.176 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion:146 Resp: 190108
Ion Ratio Lower Upper
146 100
111 38.6 27.9 51.7
148 65.8 44.9 83.3

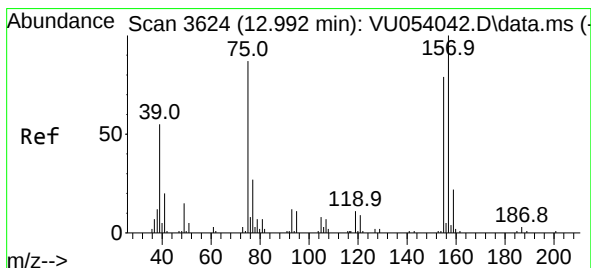
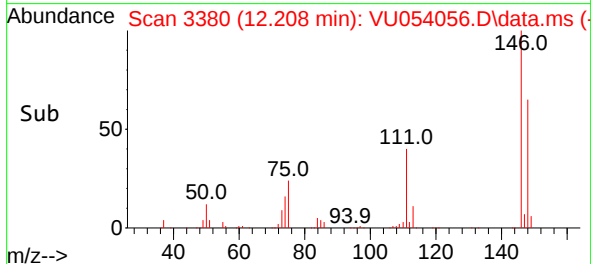
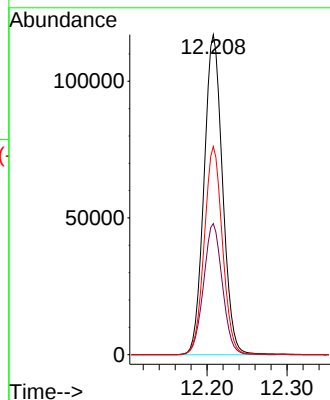
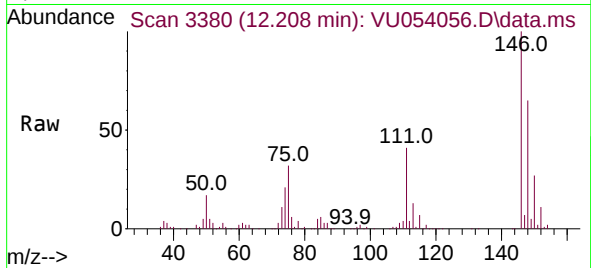




#67
1,2-Dichlorobenzene
Concen: 48.257 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

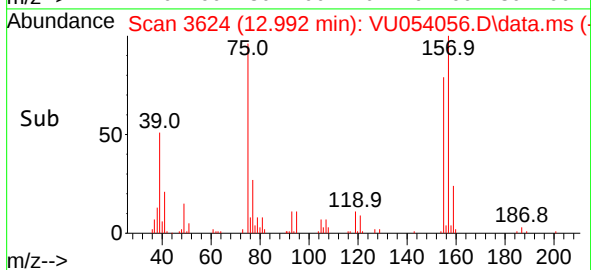
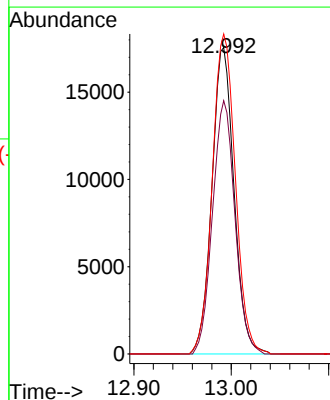
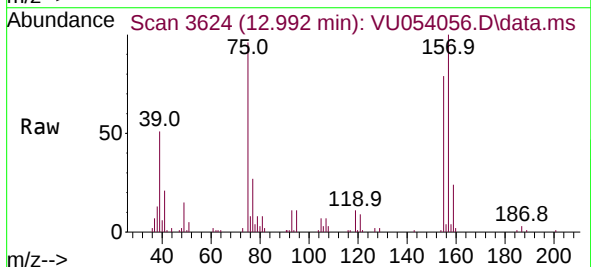
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

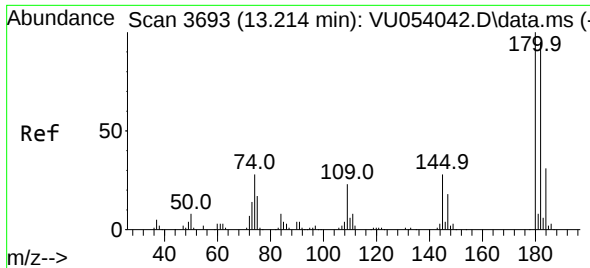
Tgt Ion:146 Resp: 188710
Ion Ratio Lower Upper
146 100
111 41.0 33.4 50.0
148 65.1 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 46.577 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion: 75 Resp: 27701
Ion Ratio Lower Upper
75 100
155 82.6 67.8 101.6
157 104.4 88.3 132.5

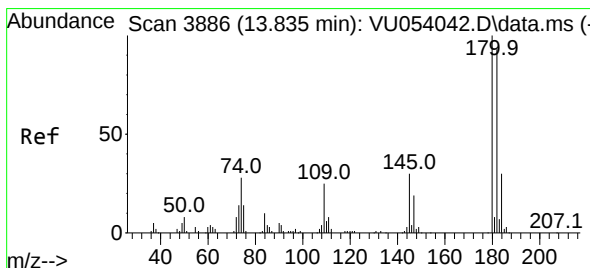
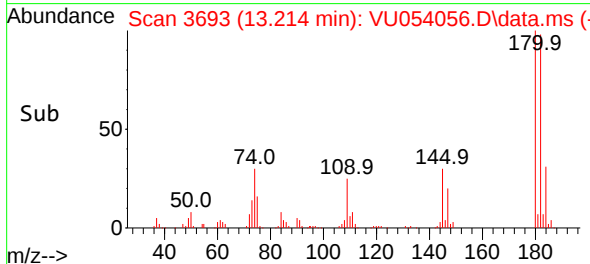
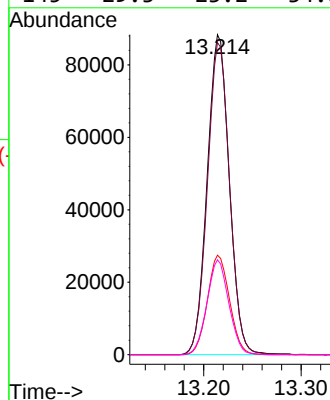
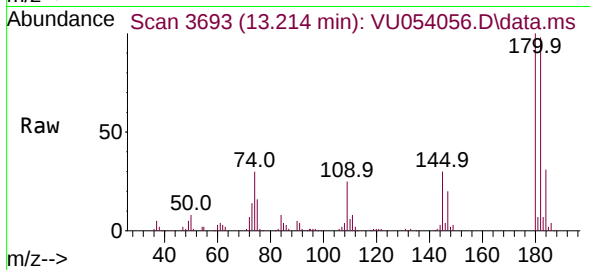




#69
1,3,5-Trichlorobenzene
Concen: 49.662 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

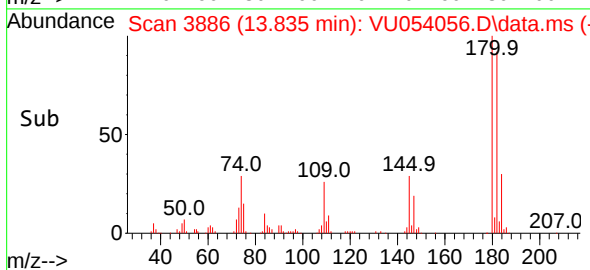
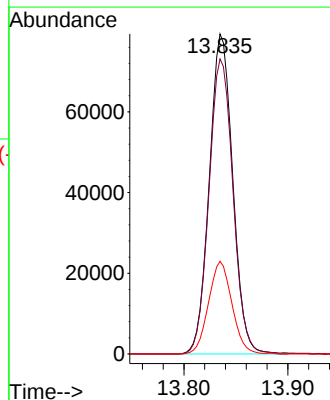
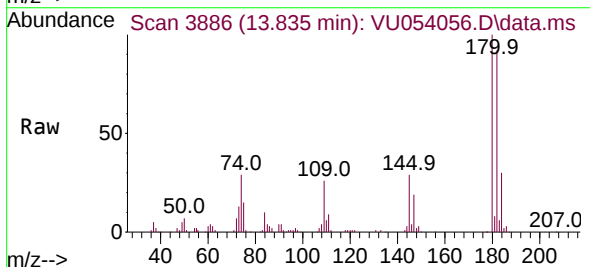
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

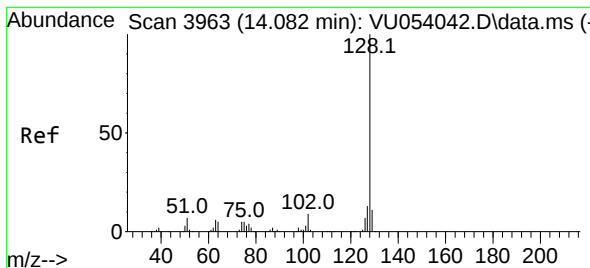
Tgt Ion:180	Resp:	139439
Ion Ratio	Lower	Upper
180	100	
182	97.8	76.0 114.0
184	31.0	24.2 36.2
145	29.3	23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 48.784 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU054056.D
Acq: 04 May 2023 11:29

Tgt Ion:180	Resp:	124175
Ion Ratio	Lower	Upper
180	100	
182	94.5	77.4 116.2
145	28.9	23.8 35.8





#71

Naphthalene

Concen: 44.574 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

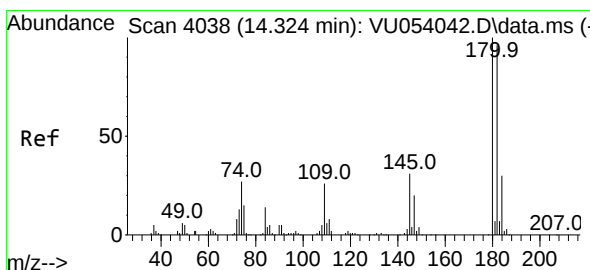
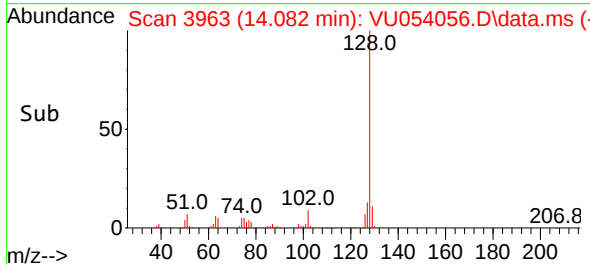
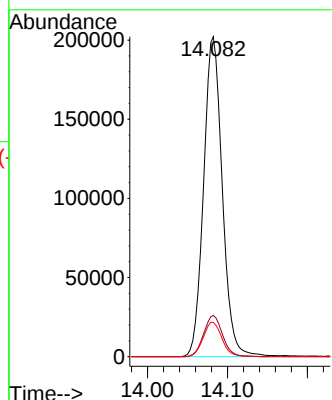
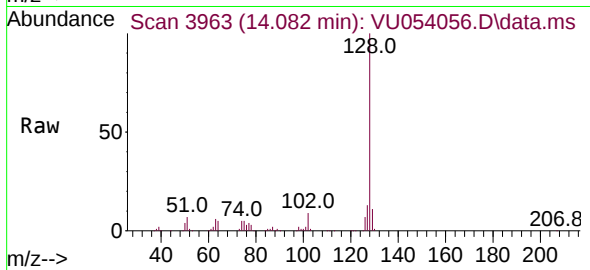
Tgt Ion:128 Resp: 329090

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 10.8 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 48.534 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU054056.D

Acq: 04 May 2023 11:29

Tgt Ion:180 Resp: 122891

Ion Ratio Lower Upper

180 100

182 96.8 76.6 114.8

145 31.2 24.9 37.3

