

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053625.D
 Acq On : 10 Apr 2023 20:23
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

Quant Time: Apr 11 02:24:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	262667	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	243885	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85115	41.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.240%
7) Chloroethane-d5	1.909	69	71269	45.194	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.380%
11) 1,1-Dichloroethene-d2	2.565	63	140312	44.318	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.640%
21) 2-Butanone-d5	4.610	46	102647	110.848	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.850%
24) Chloroform-d	5.057	84	156287	46.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.697	65	95441	47.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
32) Benzene-d6	5.722	84	306138	46.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.684	67	95709	47.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.140%
41) Toluene-d8	7.893	98	290477	44.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.780%
43) trans-1,3-Dichloroprop...	8.176	79	46981	45.232	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.460%
47) 2-Hexanone-d5	8.626	63	80814	117.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.680%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143358	50.549	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.100%
66) 1,2-Dichlorobenzene-d4	12.188	152	120460	42.758	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	100177	46.989	ug/L	99
3) Chloromethane	1.520	50	95997	54.799	ug/L	98
5) Vinyl chloride	1.604	62	112404	55.365	ug/L	98
6) Bromomethane	1.848	94	69772	47.232	ug/L	100
8) Chloroethane	1.928	64	68541	56.132	ug/L	98
9) Trichlorofluoromethane	2.134	101	162617	52.076	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85893	47.494	ug/L	94
12) 1,1-Dichloroethene	2.578	96	78520	48.717	ug/L	94
13) Acetone	2.616	43	70168	84.315	ug/L	97
14) Carbon disulfide	2.790	76	204691	48.010	ug/L	97
15) Methyl Acetate	2.938	43	74290	58.280	ug/L	94
16) Methylene chloride	3.041	84	94732	52.292	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	81213	50.138	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	256423	54.311	ug/L	99
19) 1,1-Dichloroethane	3.864	63	149453	55.700	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	93999	50.241	ug/L	94
22) 2-Butanone	4.690	43	101902	101.071	ug/L	95
23) Bromochloromethane	4.970	128	50227	48.195	ug/L	94
25) Chloroform	5.079	83	164114	53.326	ug/L	96

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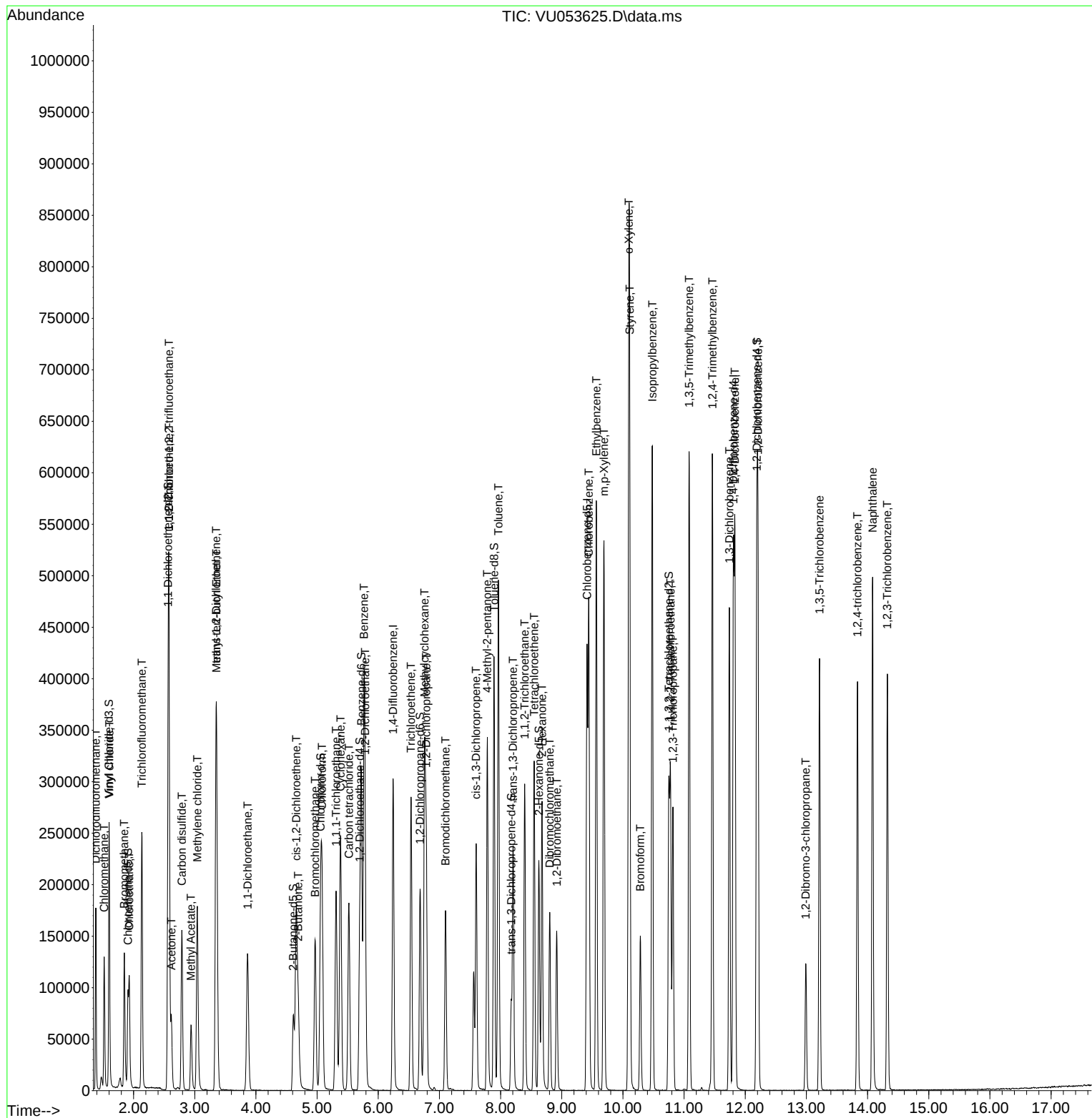
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	121981	54.122	ug/L	98
29) Cyclohexane	5.385	56	122435	52.148	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	142591	53.061	ug/L	97
31) Carbon tetrachloride	5.520	117	121032	50.269	ug/L	100
33) Benzene	5.767	78	352710	55.508	ug/L	100
34) Trichloroethene	6.536	95	94277	49.055	ug/L	96
35) Methylcyclohexane	6.758	83	142374	50.398	ug/L	99
37) 1,2-Dichloropropane	6.784	63	90920	56.351	ug/L	98
38) Bromodichloromethane	7.099	83	115234	53.537	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	146335	55.501	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	204558	116.668	ug/L	98
42) Toluene	7.964	91	371603	51.605	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	137406	55.128	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	94711	53.465	ug/L	98
46) Tetrachloroethene	8.549	164	71712	44.966	ug/L	95
48) 2-Hexanone	8.677	43	159227	112.266	ug/L	98
49) Dibromochloromethane	8.803	129	91435	49.640	ug/L	96
50) 1,2-Dibromoethane	8.918	107	103046	51.994	ug/L	99
51) Chlorobenzene	9.443	112	260323	52.469	ug/L	95
52) Ethylbenzene	9.565	91	409877	51.132	ug/L	99
53) m,p-Xylene	9.690	106	159420	50.850	ug/L	99
54) o-Xylene	10.095	106	158450	51.119	ug/L	95
55) Styrene	10.111	104	263871	52.265	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	152814	58.754	ug/L	97
59) Bromoform	10.285	173	64284	46.533	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114704	58.612	ug/L	98
61) Isopropylbenzene	10.481	105	414675	51.966	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	345563	52.094	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	344597	52.450	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	196575	47.145	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	206641	48.626	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	202448	48.717	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	31521	60.419	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.214	180	131458	42.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	121342	42.387	ug/L	98
71) Naphthalene	14.082	128	408591	47.685	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	120774	42.239	ug/L	99

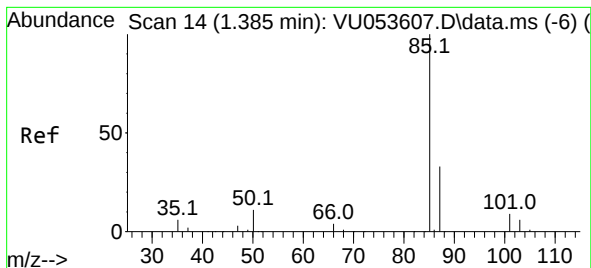
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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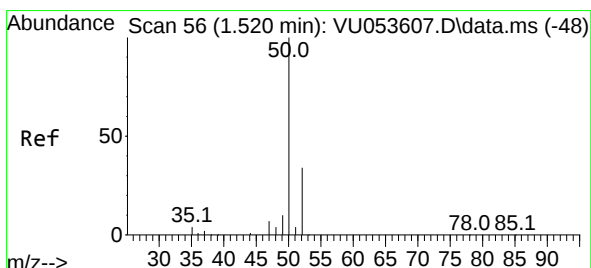
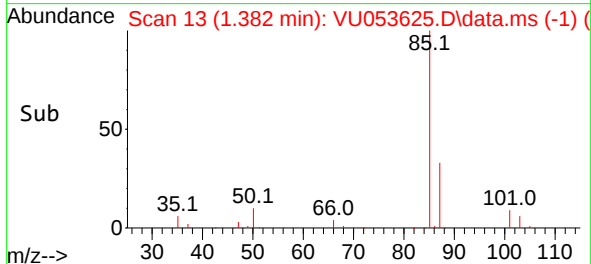
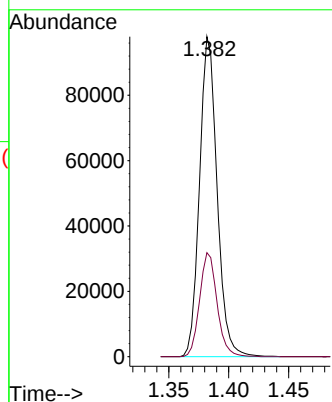
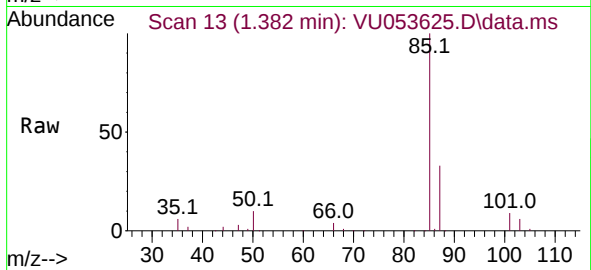




#2
Dichlorodifluoromethane
Concen: 46.989 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

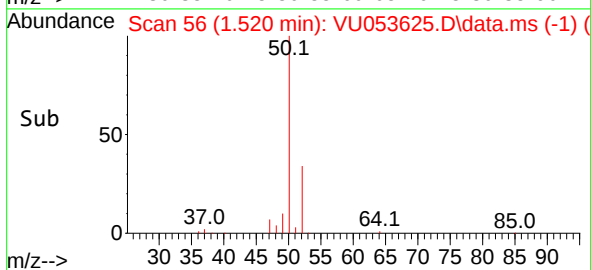
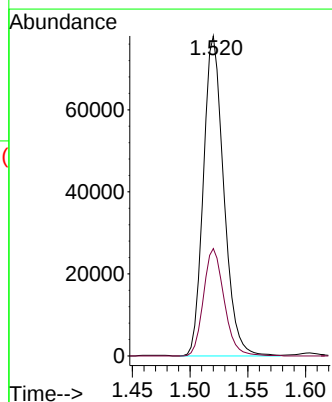
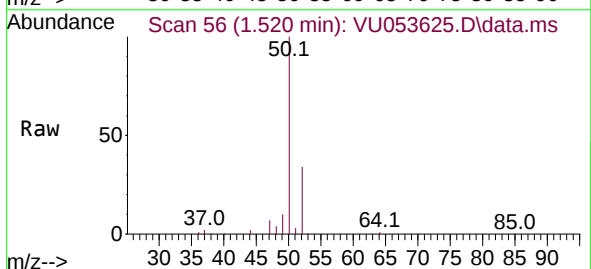
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

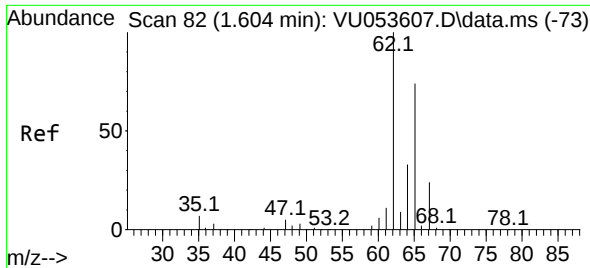
Tgt Ion: 85 Resp: 100177
Ion Ratio Lower Upper
85 100
87 32.2 26.4 39.6



#3
Chloromethane
Concen: 54.799 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 50 Resp: 95997
Ion Ratio Lower Upper
50 100
52 33.5 22.7 42.1

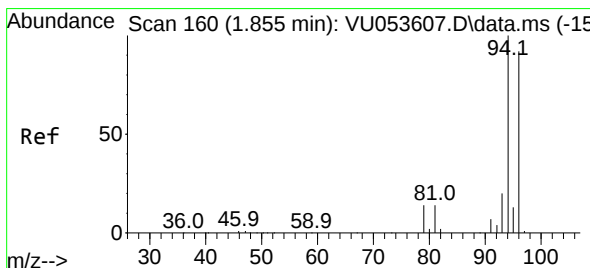
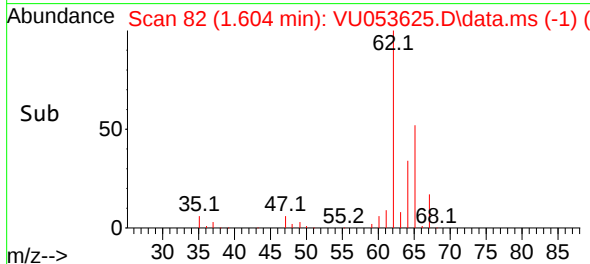
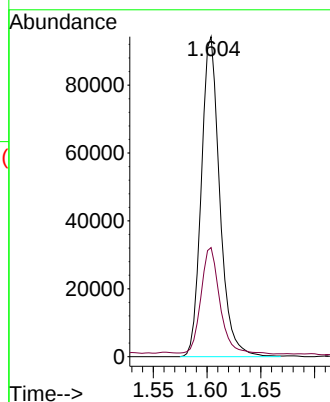
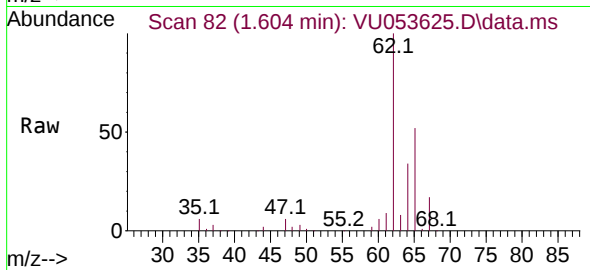




#5
 Vinyl chloride
 Concen: 55.365 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

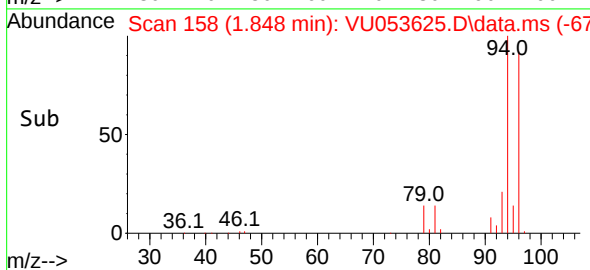
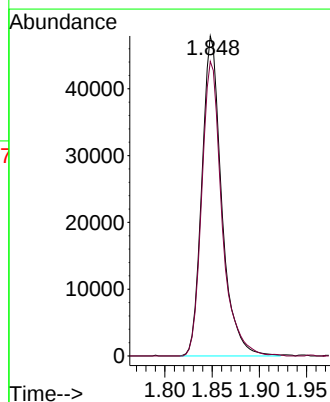
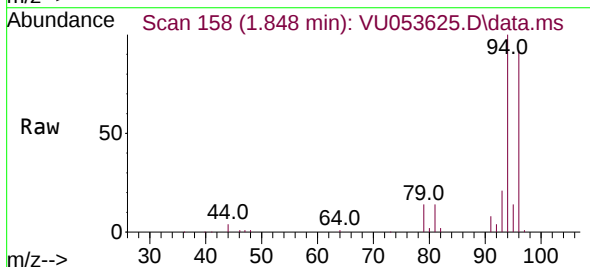
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

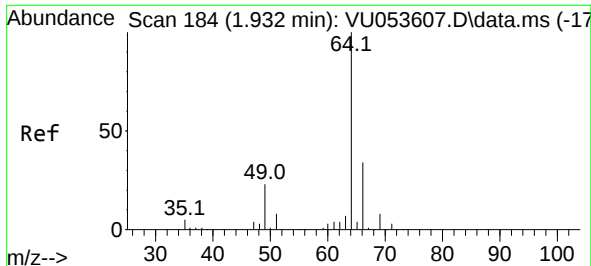
Tgt Ion: 62 Resp: 112404
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.2 43.0



#6
 Bromomethane
 Concen: 47.232 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.007 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

Tgt Ion: 94 Resp: 69772
 Ion Ratio Lower Upper
 94 100
 96 92.1 64.4 119.6





#8

Chloroethane

Concen: 56.132 ug/L

RT: 1.928 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

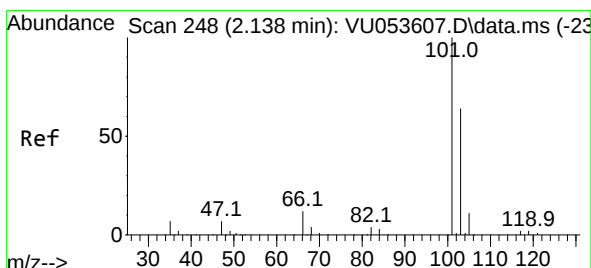
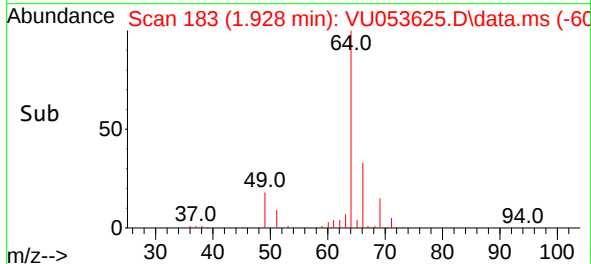
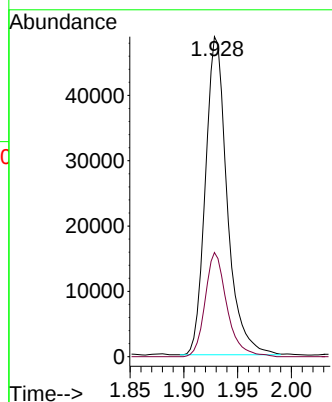
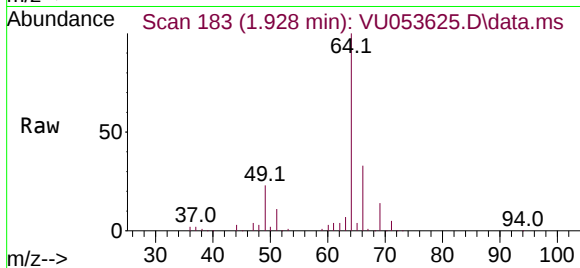
VSTD050192

Tgt Ion: 64 Resp: 68541

Ion Ratio Lower Upper

64 100

66 32.5 21.8 40.6



#9

Trichlorofluoromethane

Concen: 52.076 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.003 min

Lab File: VU053625.D

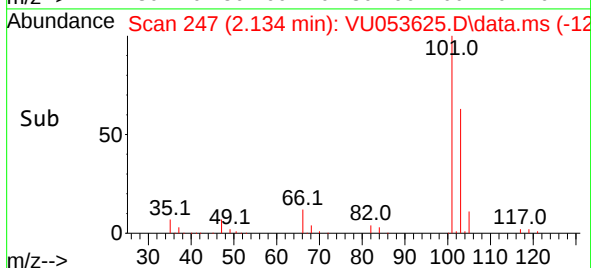
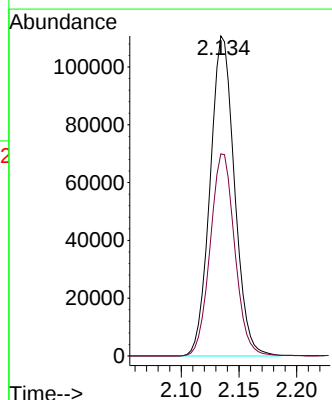
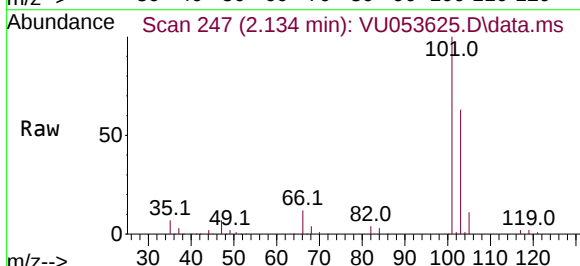
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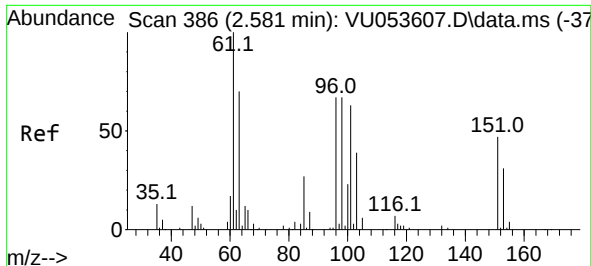
Tgt Ion:101 Resp: 162617

Ion Ratio Lower Upper

101 100

103 63.7 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.494 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

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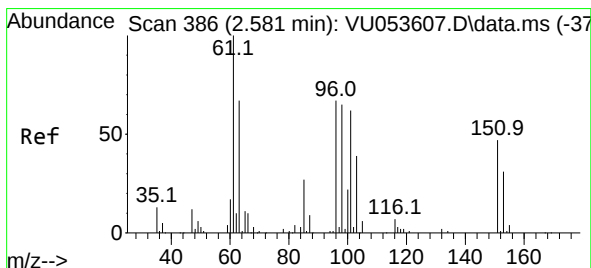
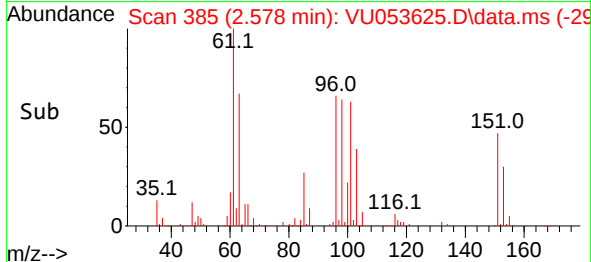
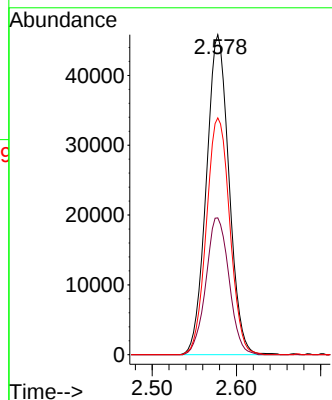
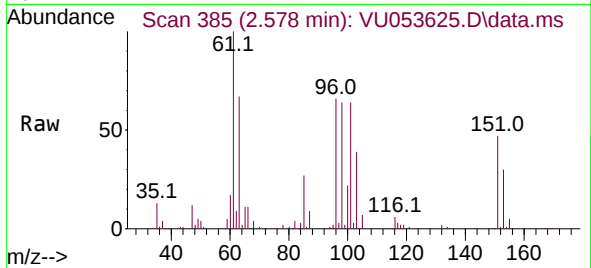
Tgt Ion:101 Resp: 85893

Ion Ratio Lower Upper

101 100

85 43.5 32.6 48.8

151 76.2 65.8 98.6



#12

1,1-Dichloroethene

Concen: 48.717 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

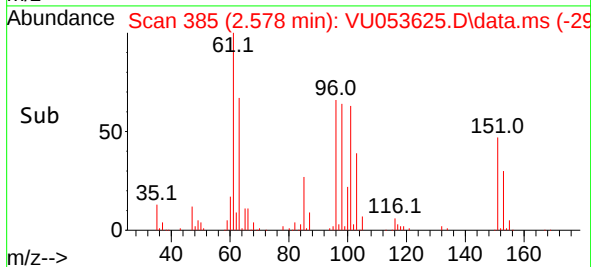
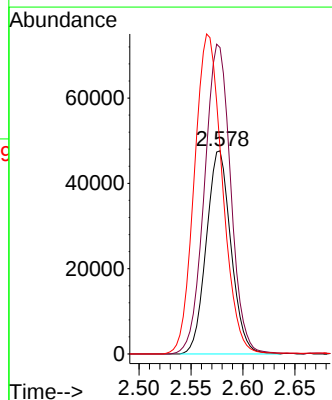
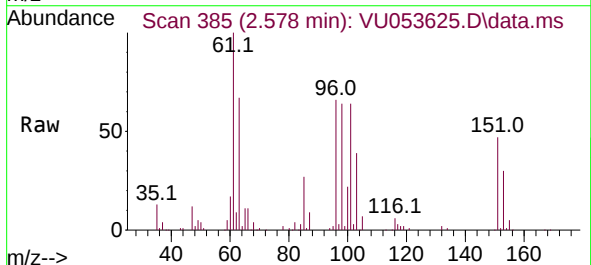
Tgt Ion: 96 Resp: 78520

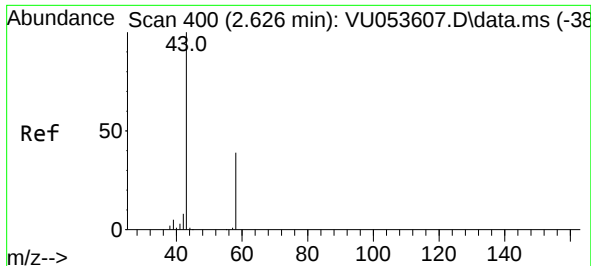
Ion Ratio Lower Upper

96 100

61 150.8 107.9 200.5

63 101.3 79.1 146.9





#13

Acetone

Concen: 84.315 ug/L

RT: 2.616 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU053625.D

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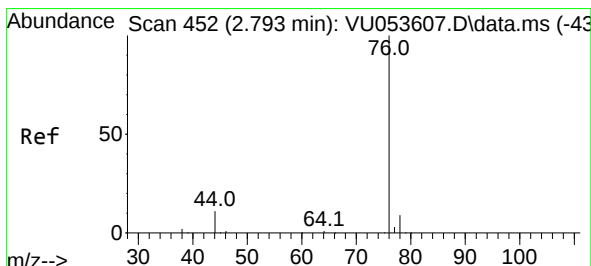
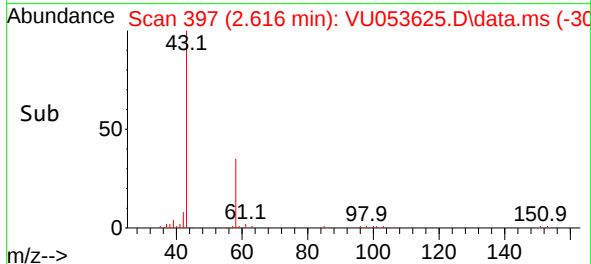
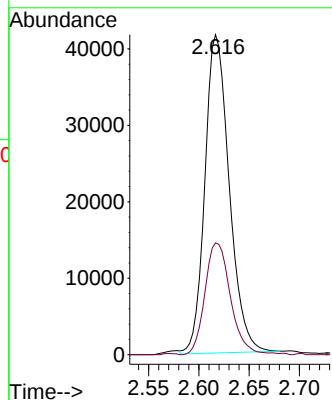
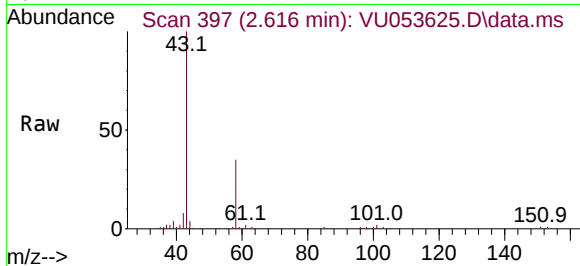
VSTD050192

Tgt Ion: 43 Resp: 70168

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.2



#14

Carbon disulfide

Concen: 48.010 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

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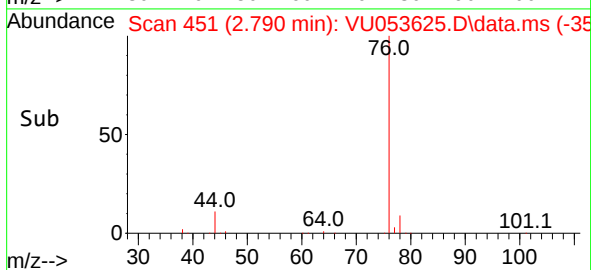
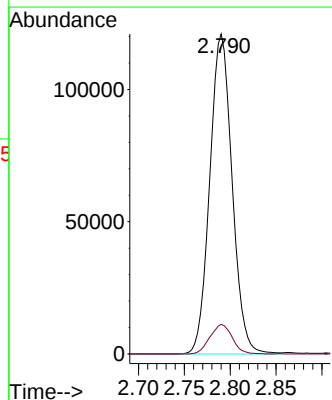
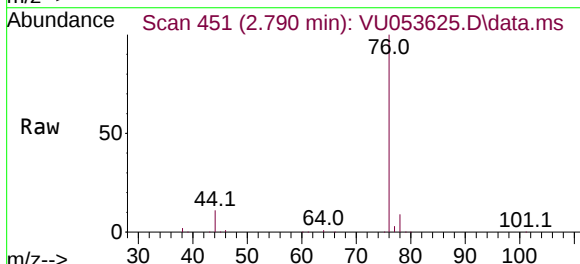
Acq: 10 Apr 2023 20:23

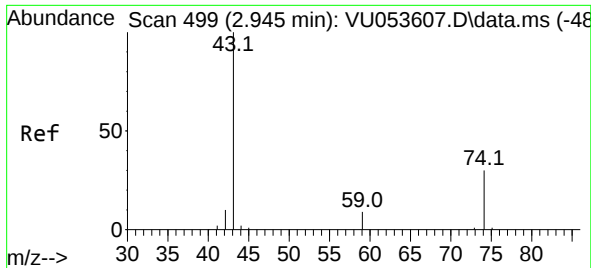
Tgt Ion: 76 Resp: 204691

Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

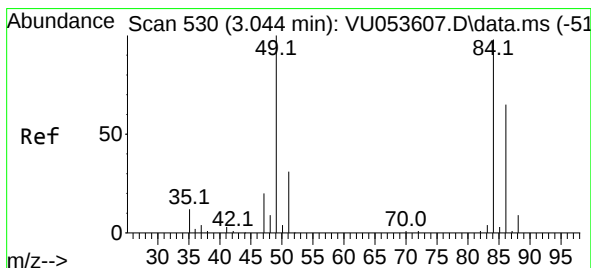
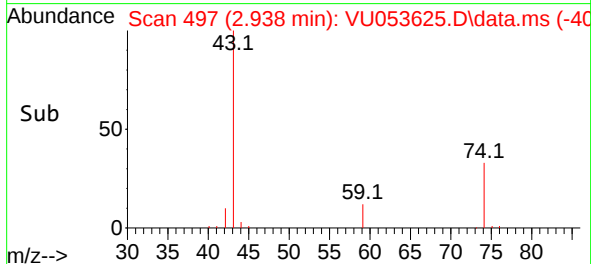
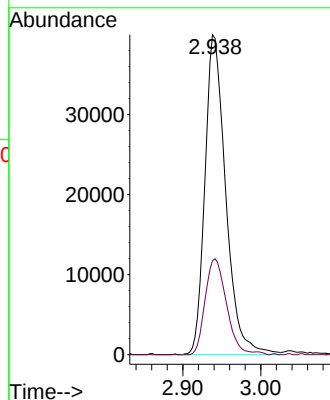
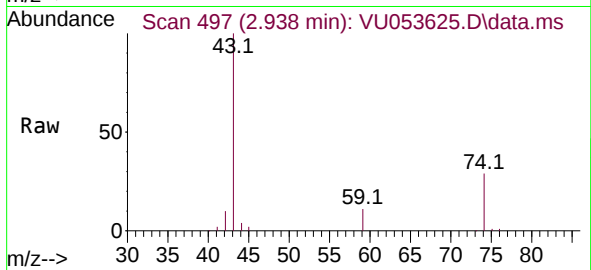




#15
Methyl Acetate
Concen: 58.280 ug/L
RT: 2.938 min Scan# 497
Delta R.T. -0.007 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

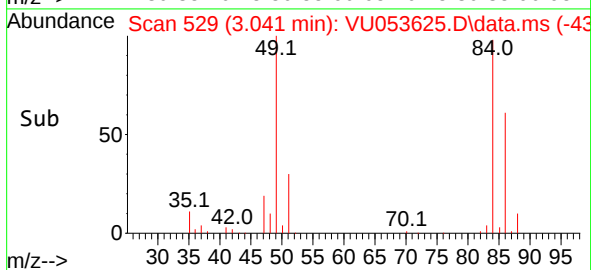
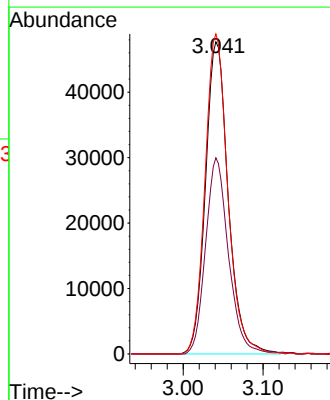
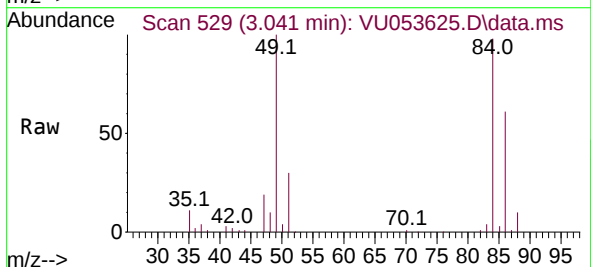
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

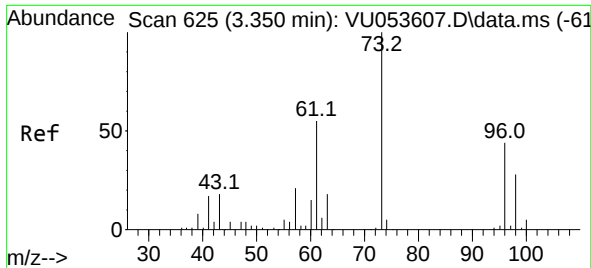
Tgt Ion: 43 Resp: 74290
Ion Ratio Lower Upper
43 100
74 30.4 22.0 33.0



#16
Methylene chloride
Concen: 52.292 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 84 Resp: 94732
Ion Ratio Lower Upper
84 100
86 62.9 43.5 80.9
49 102.5 69.7 129.5

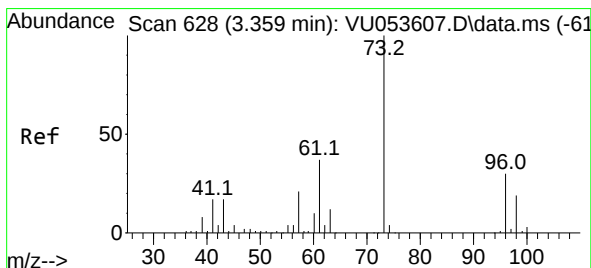
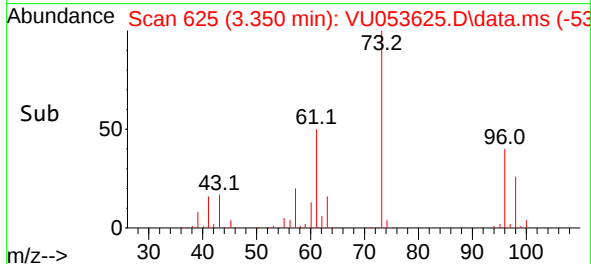
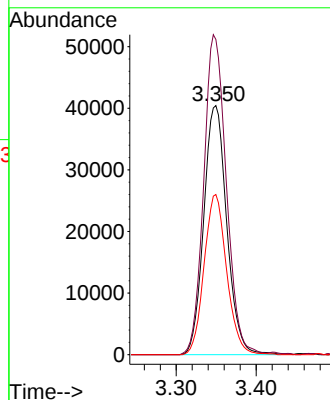
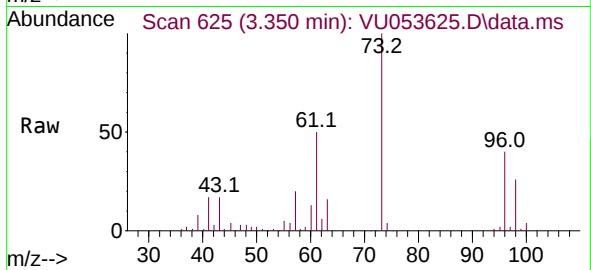




#17
trans-1,2-Dichloroethene
Concen: 50.138 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

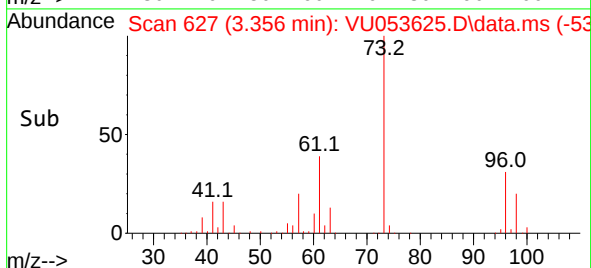
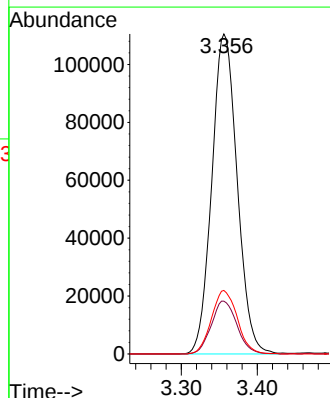
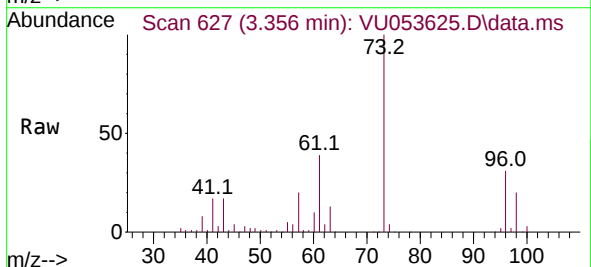
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

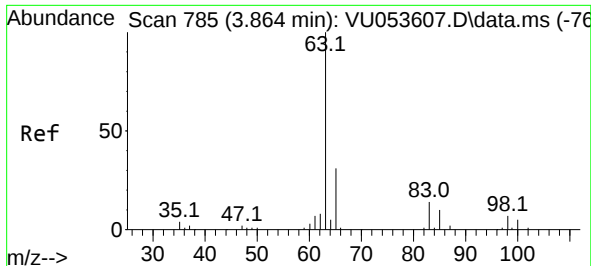
Tgt Ion: 96 Resp: 81213
Ion Ratio Lower Upper
96 100
61 126.6 84.4 156.8
98 64.3 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 54.311 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 73 Resp: 256423
Ion Ratio Lower Upper
73 100
43 16.7 13.8 20.8
57 20.1 15.9 23.9

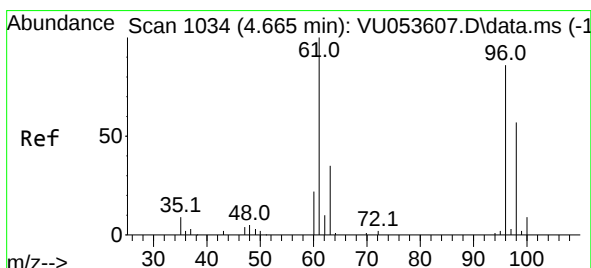
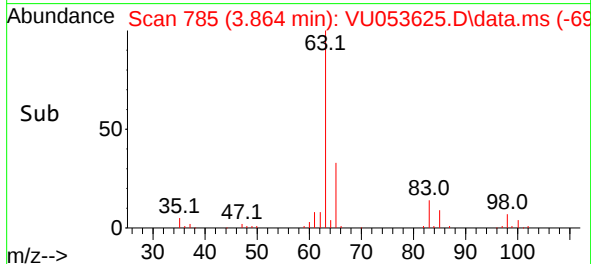
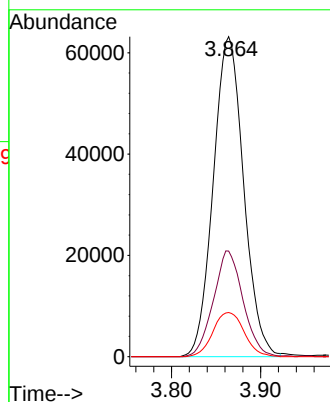
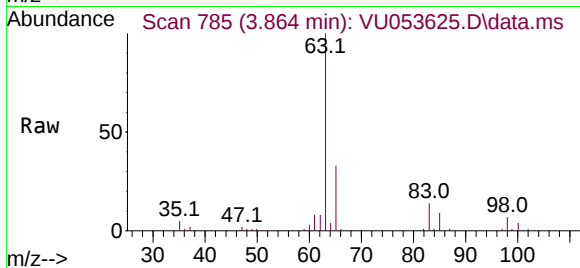




#19
1,1-Dichloroethane
Concen: 55.700 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

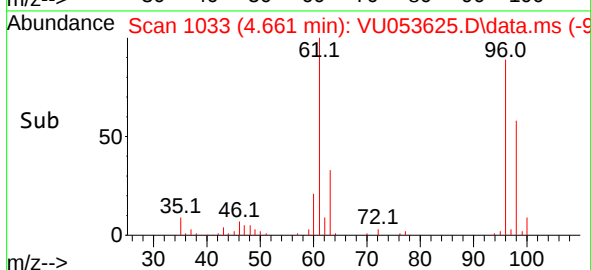
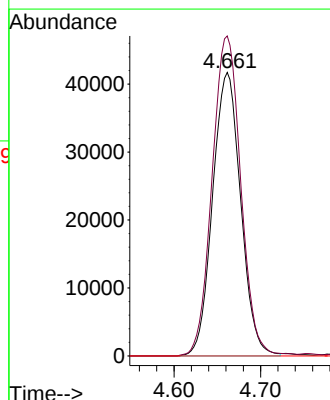
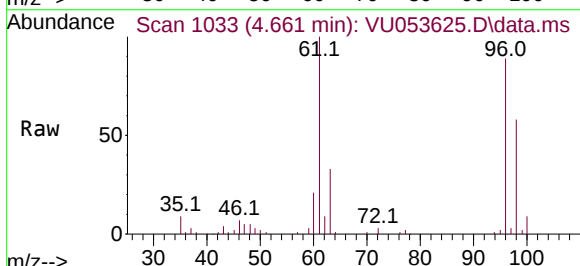
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

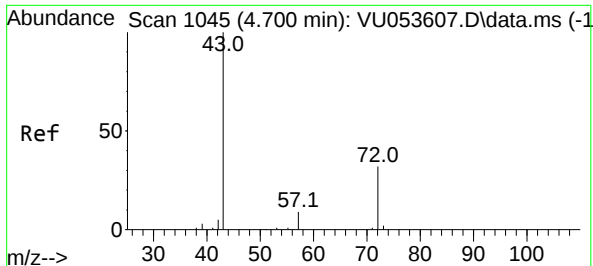
Tgt Ion: 63 Resp: 149453
Ion Ratio Lower Upper
63 100
65 33.0 22.0 41.0
83 13.8 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 50.241 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 96 Resp: 93999
Ion Ratio Lower Upper
96 100
61 112.9 74.7 138.7
68 0.0 0.0 0.0

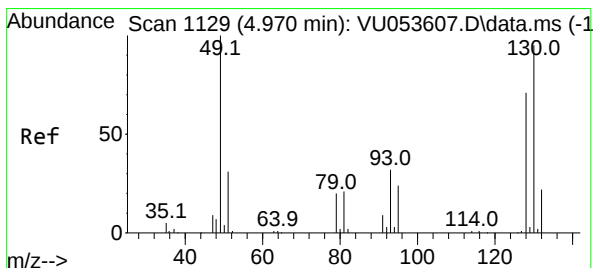
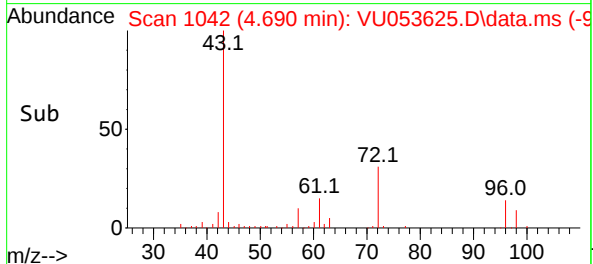
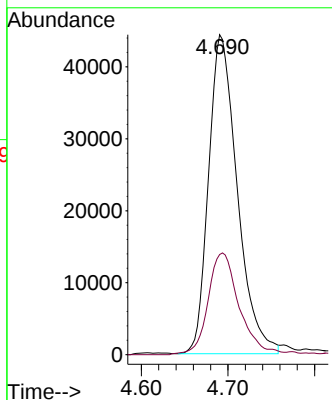
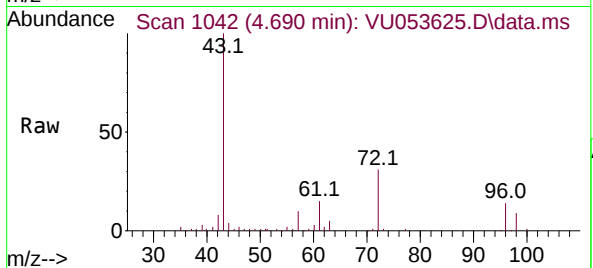




#22
2-Butanone
Concen: 101.071 ug/L
RT: 4.690 min Scan# 1045
Delta R.T. -0.010 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

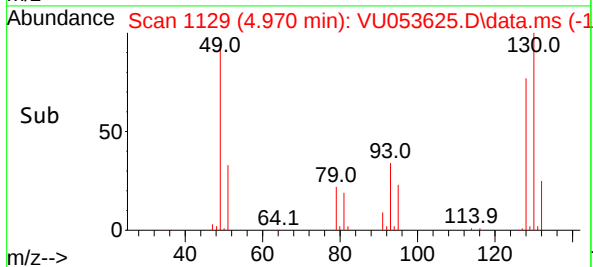
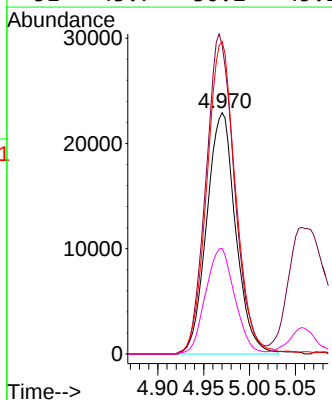
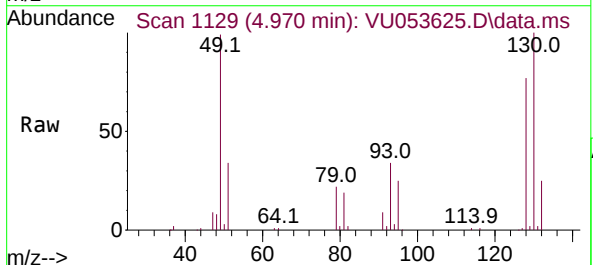
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

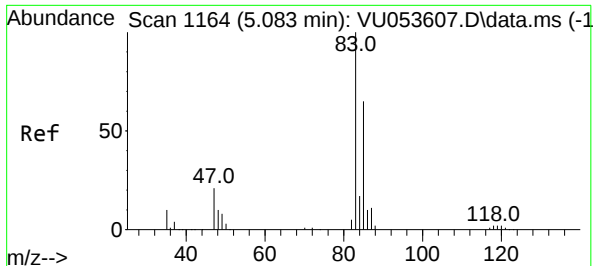
Tgt Ion: 43 Resp: 101902
Ion Ratio Lower Upper
43 100
72 34.0 15.8 47.3



#23
Bromochloromethane
Concen: 48.195 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion:128 Resp: 50227
Ion Ratio Lower Upper
128 100
49 127.8 81.5 151.3
130 129.5 91.8 170.4
51 43.7 30.2 45.2





#25

Chloroform

Concen: 53.326 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

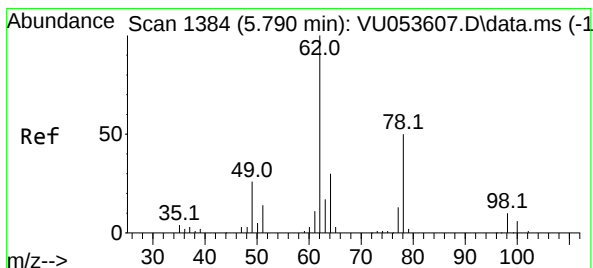
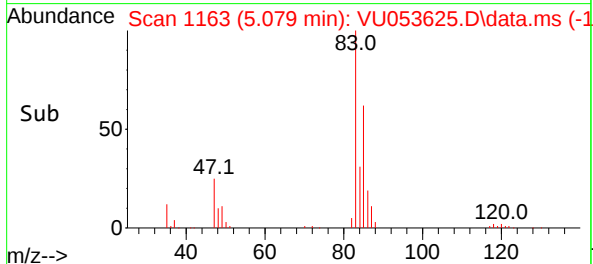
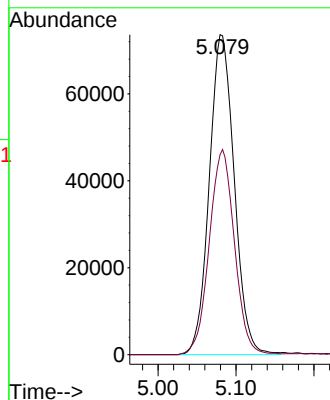
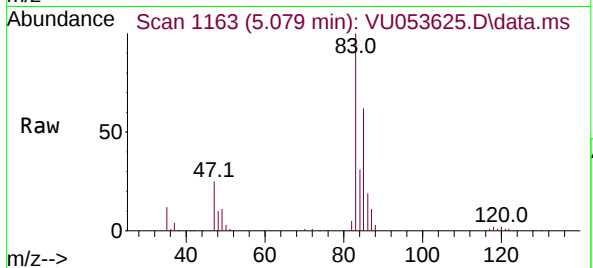
VSTD050192

Tgt Ion: 83 Resp: 164114

Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.5



#27

1,2-Dichloroethane

Concen: 54.122 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053625.D

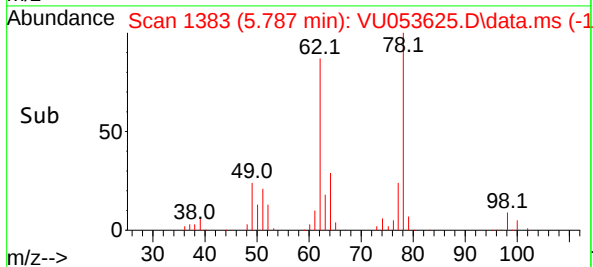
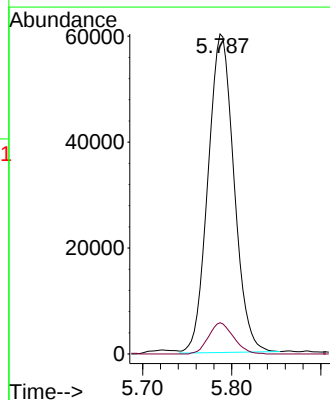
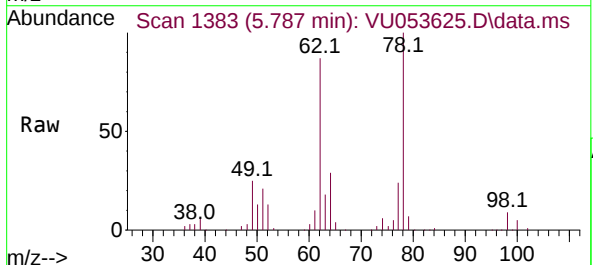
Acq: 10 Apr 2023 20:23

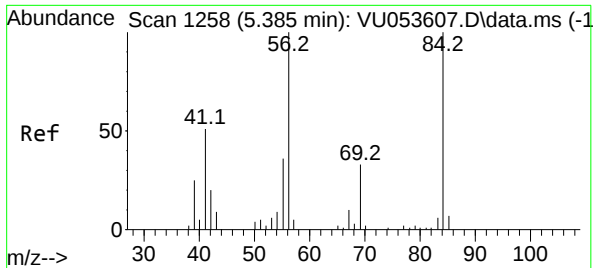
Tgt Ion: 62 Resp: 121981

Ion Ratio Lower Upper

62 100

98 9.8 8.3 12.5





#29

Cyclohexane

Concen: 52.148 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

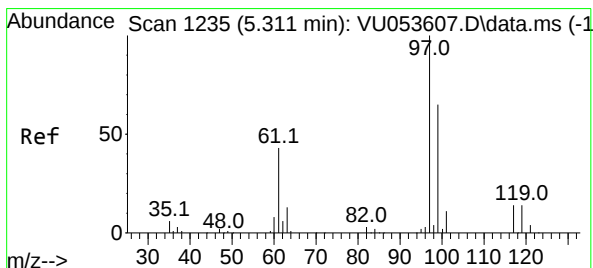
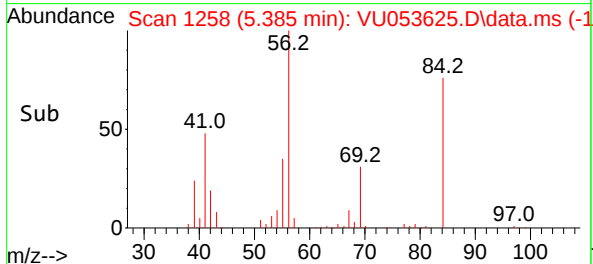
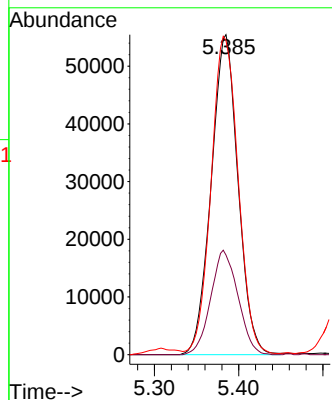
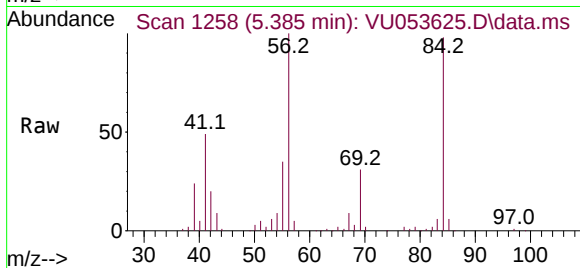
Tgt Ion: 56 Resp: 122435

Ion Ratio Lower Upper

56 100

69 33.1 27.3 40.9

84 100.8 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 53.061 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

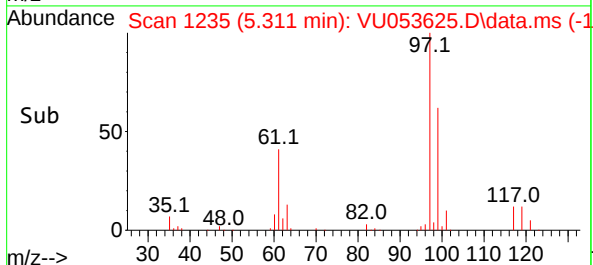
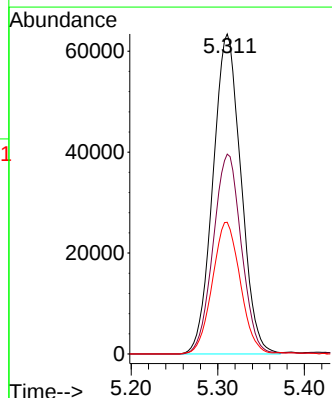
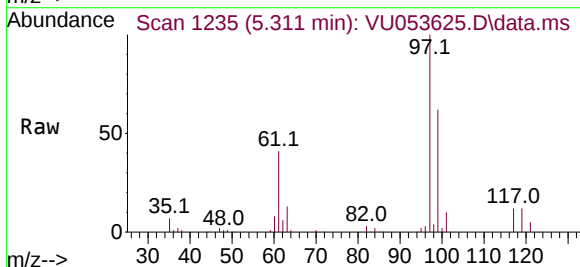
Tgt Ion: 97 Resp: 142591

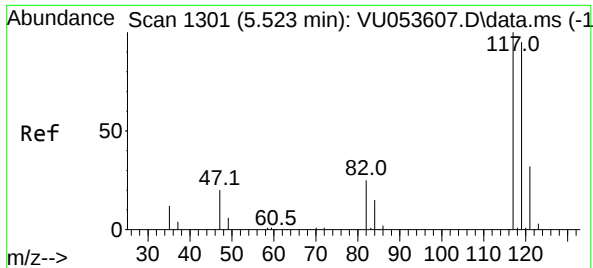
Ion Ratio Lower Upper

97 100

99 62.8 51.6 77.4

61 41.1 31.0 46.4

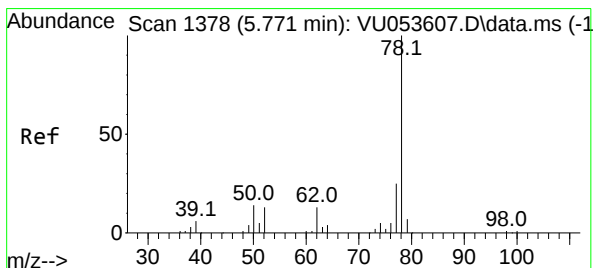
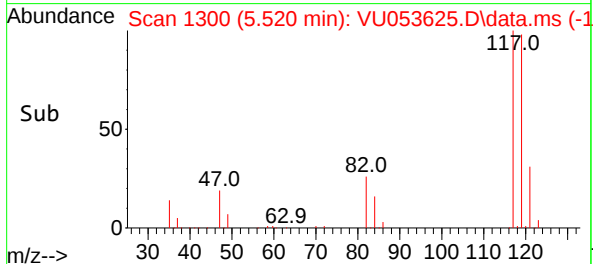
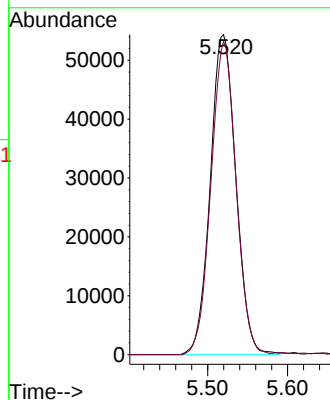
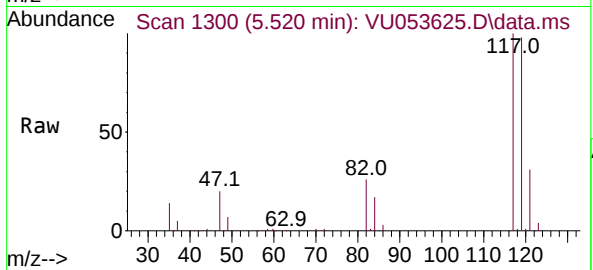




#31
Carbon tetrachloride
Concen: 50.269 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

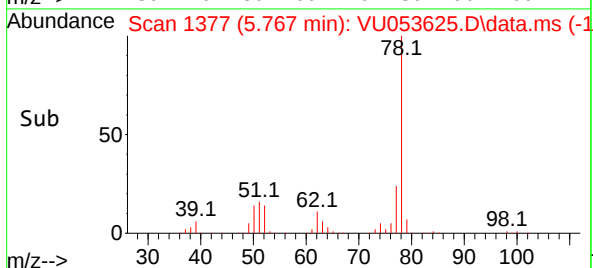
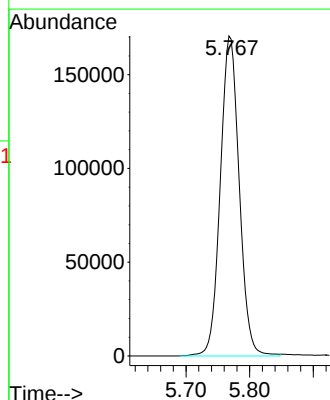
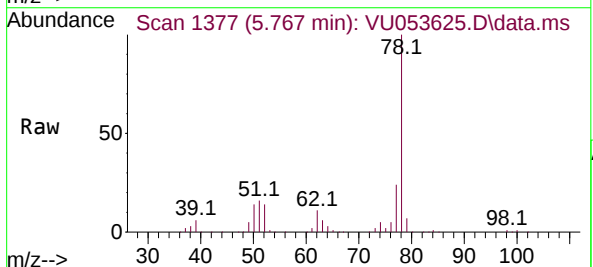
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

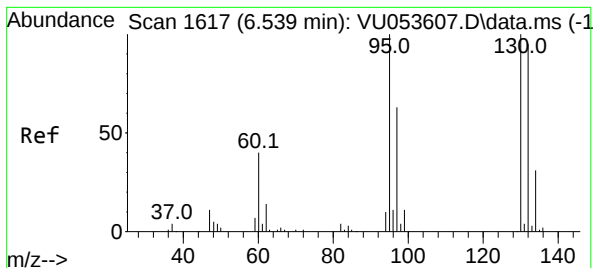
Tgt Ion:117 Resp: 121032
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 55.508 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 78 Resp: 352710





#34

Trichloroethene

Concen: 49.055 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

Tgt Ion: 95 Resp: 94277

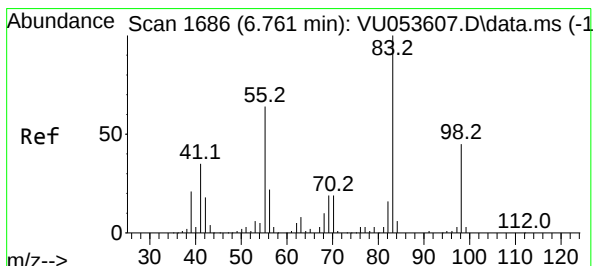
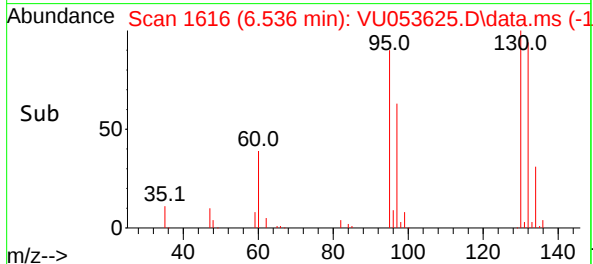
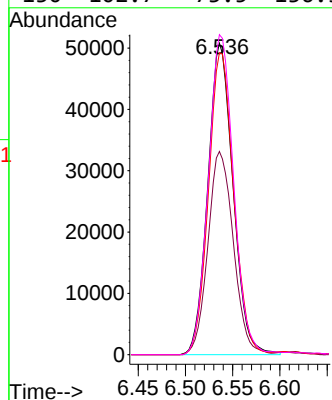
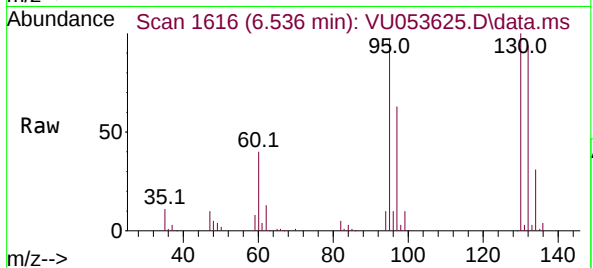
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.7

132 97.0 74.1 137.5

130 102.7 73.5 136.5



#35

Methylcyclohexane

Concen: 50.398 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

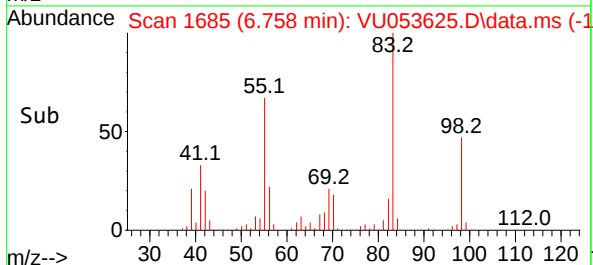
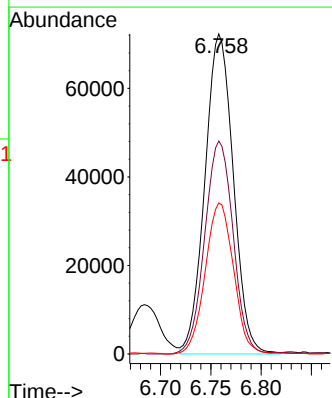
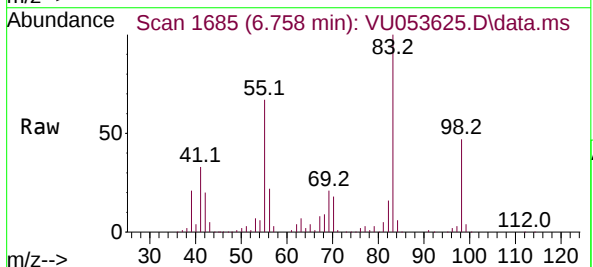
Tgt Ion: 83 Resp: 142374

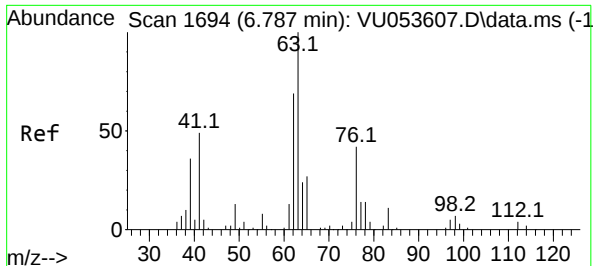
Ion Ratio Lower Upper

83 100

55 66.4 53.0 79.6

98 46.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 56.351 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

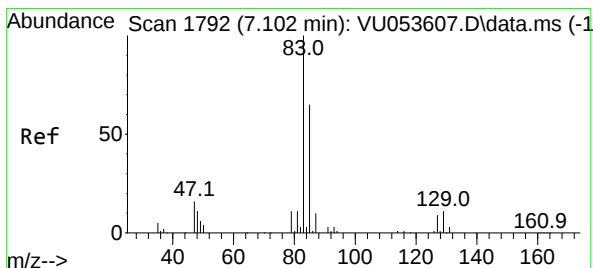
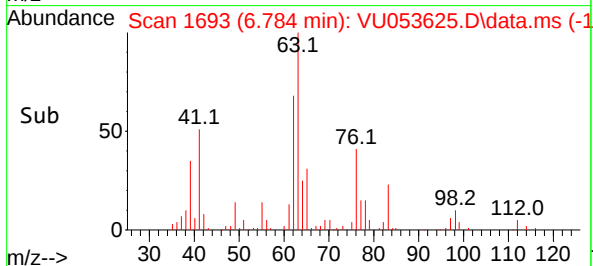
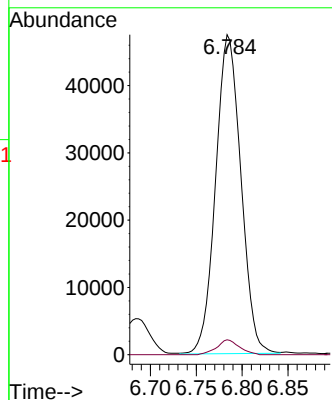
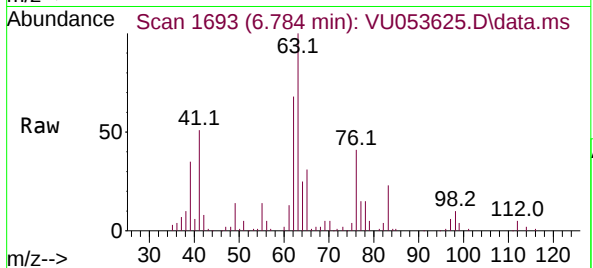
VSTD050192

Tgt Ion: 63 Resp: 90920

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.6



#38

Bromodichloromethane

Concen: 53.537 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

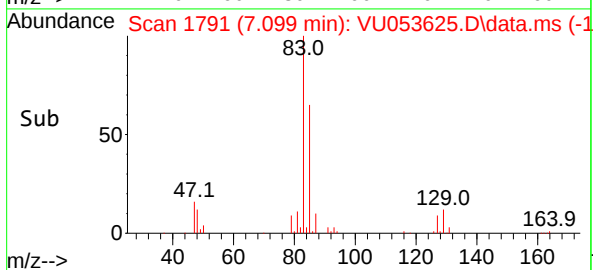
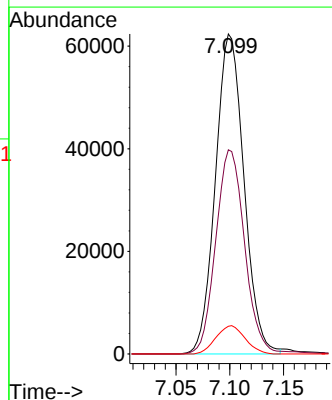
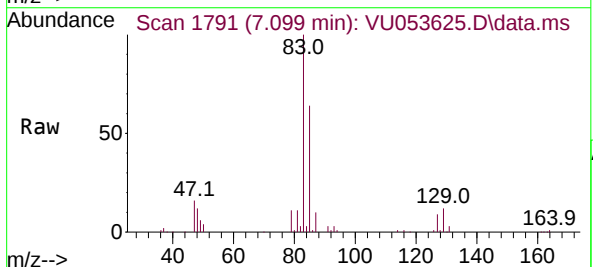
Tgt Ion: 83 Resp: 115234

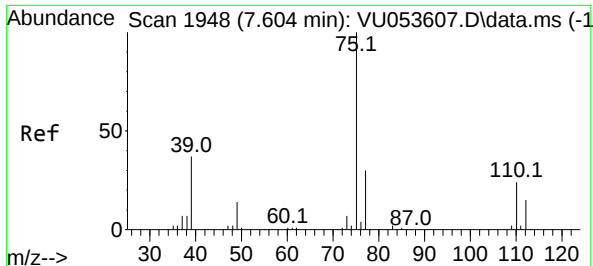
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 8.6 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 55.501 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

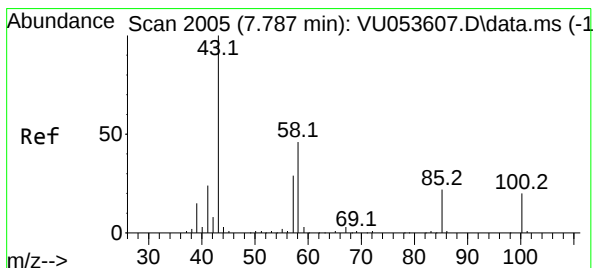
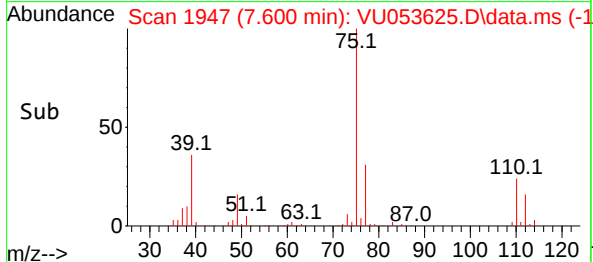
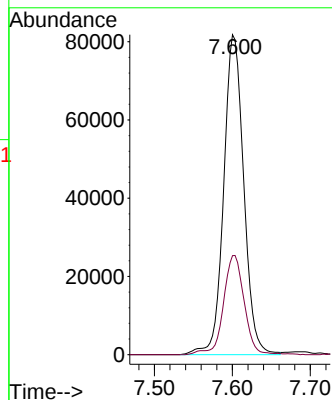
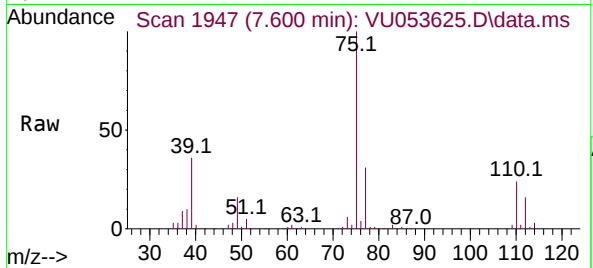
VSTD050192

Tgt Ion: 75 Resp: 146335

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 116.668 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

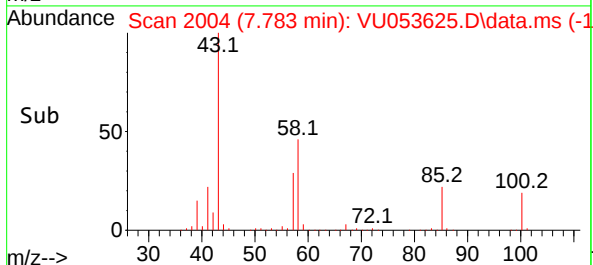
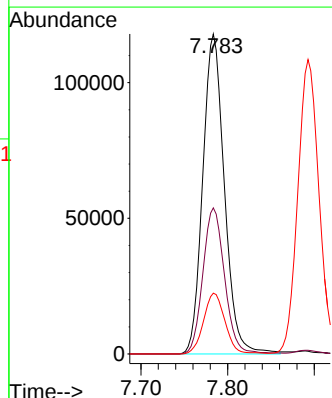
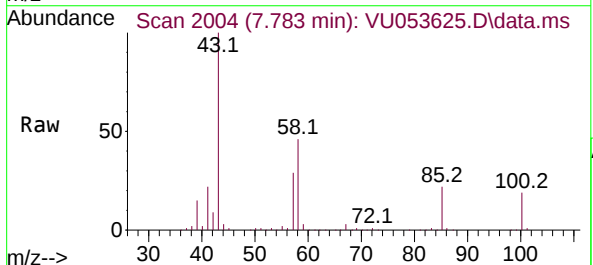
Tgt Ion: 43 Resp: 204558

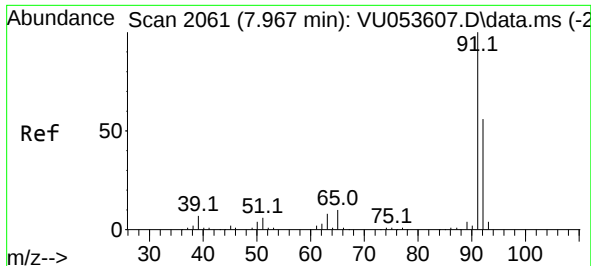
Ion Ratio Lower Upper

43 100

58 45.9 35.5 53.3

100 18.9 15.8 23.8





#42

Toluene

Concen: 51.605 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

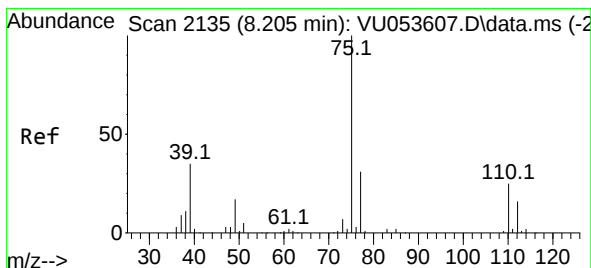
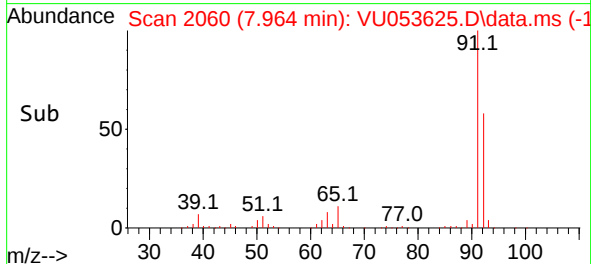
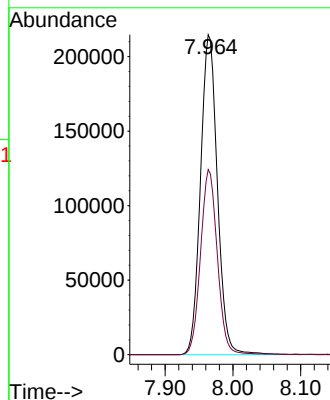
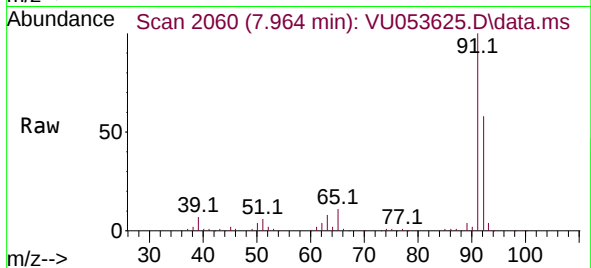
VSTD050192

Tgt Ion: 91 Resp: 371603

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 55.128 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053625.D

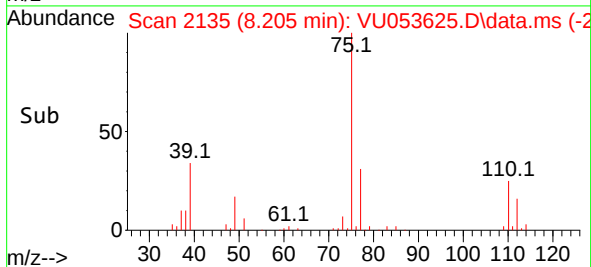
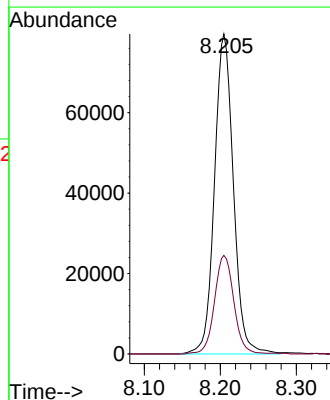
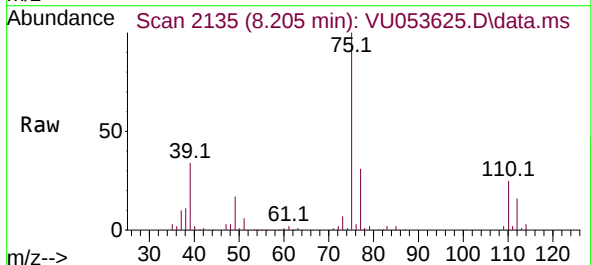
Acq: 10 Apr 2023 20:23

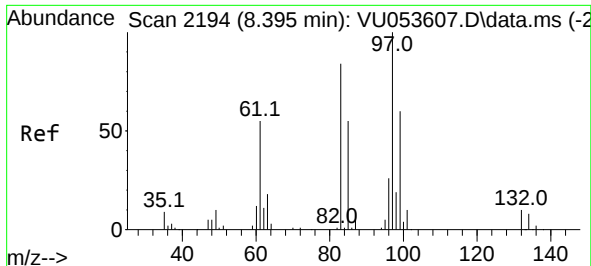
Tgt Ion: 75 Resp: 137406

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 53.465 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

Tgt Ion: 97 Resp: 94711

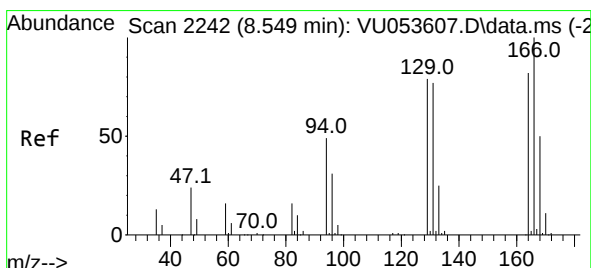
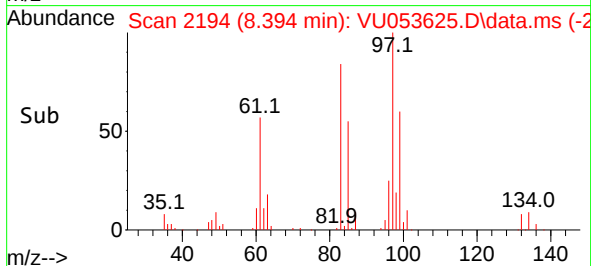
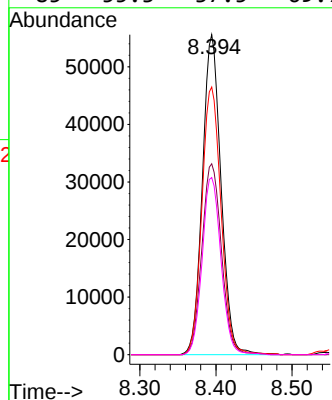
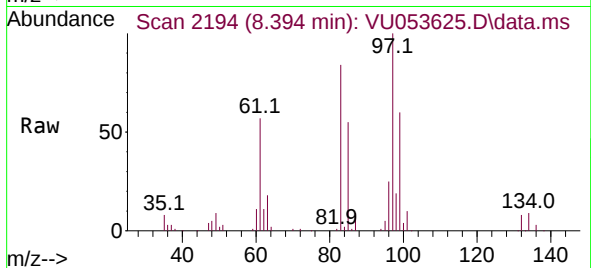
Ion Ratio Lower Upper

97 100

99 59.7 43.8 81.3

83 83.7 59.0 109.6

85 55.3 37.5 69.7



#46

Tetrachloroethene

Concen: 44.966 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Tgt Ion:164 Resp: 71712

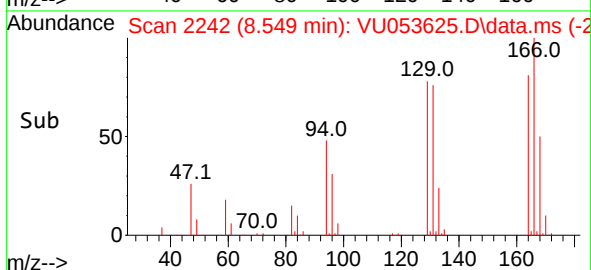
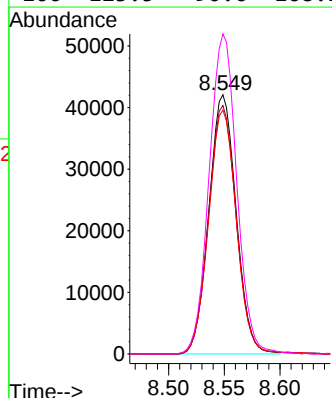
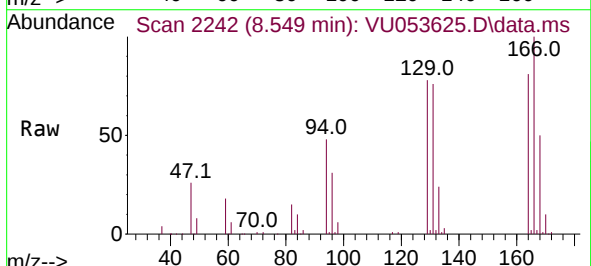
Ion Ratio Lower Upper

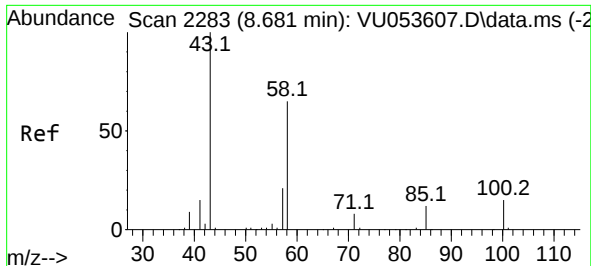
164 100

129 95.8 64.0 119.0

131 94.1 61.9 115.1

166 123.5 90.6 168.2



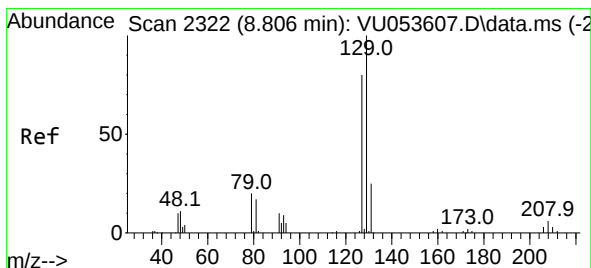
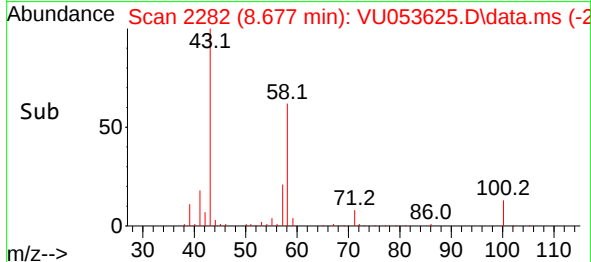
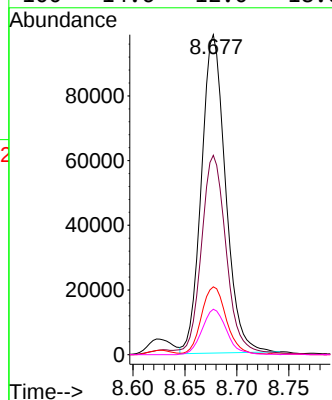
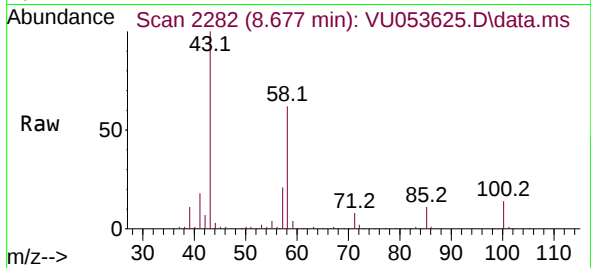


#48
2-Hexanone
Concen: 112.266 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

Tgt Ion: 43 Resp: 159227

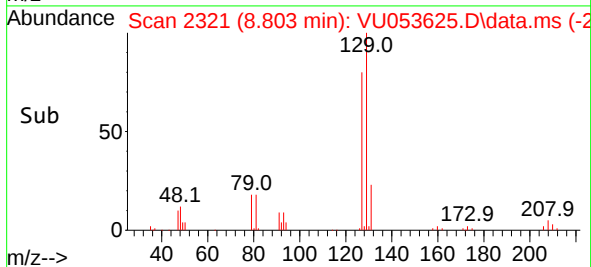
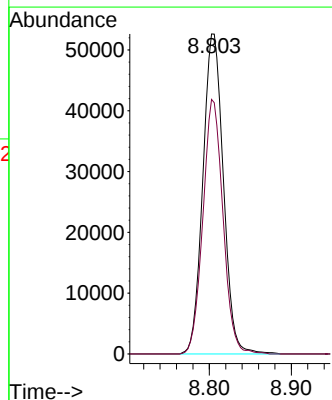
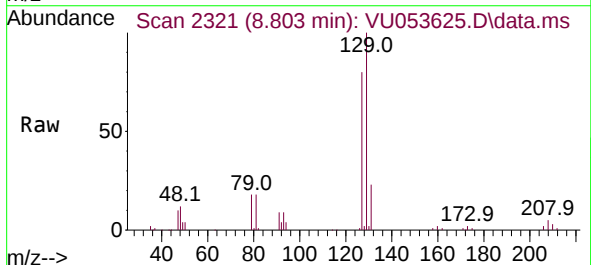
Ion	Ratio	Lower	Upper
43	100		
58	64.9	49.8	74.6
57	21.9	17.8	26.6
100	14.6	12.0	18.0

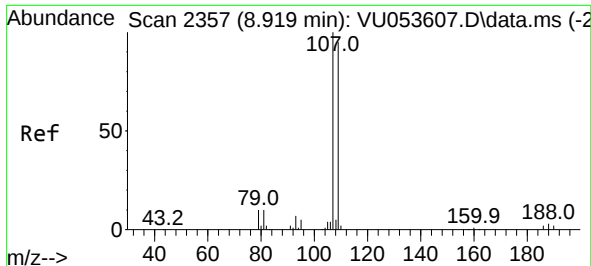


#49
Dibromochloromethane
Concen: 49.640 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 129 Resp: 91435

Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.5	99.3

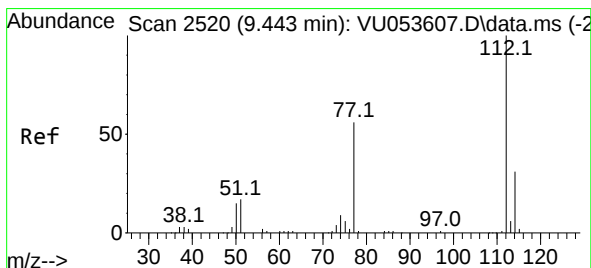
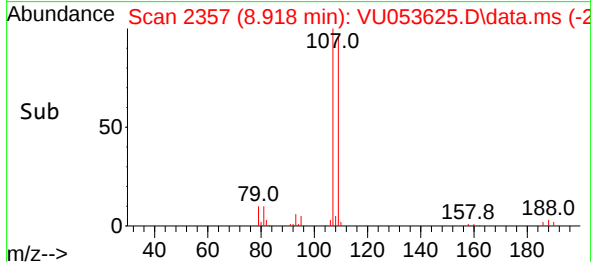
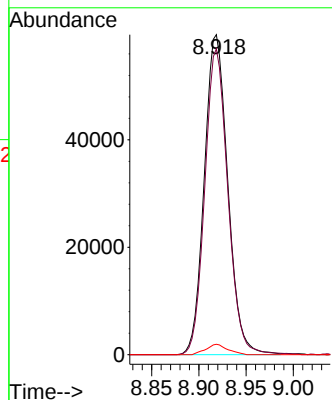
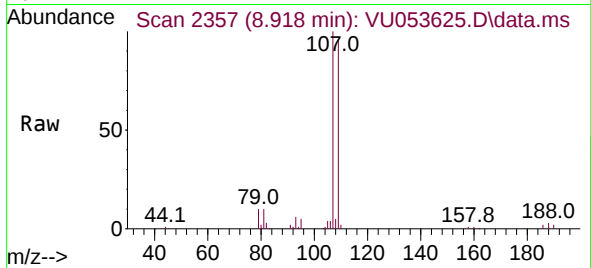




#50
1,2-Dibromoethane
Concen: 51.994 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

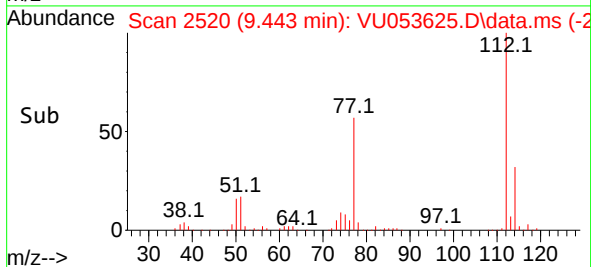
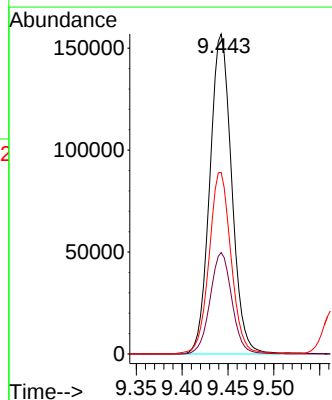
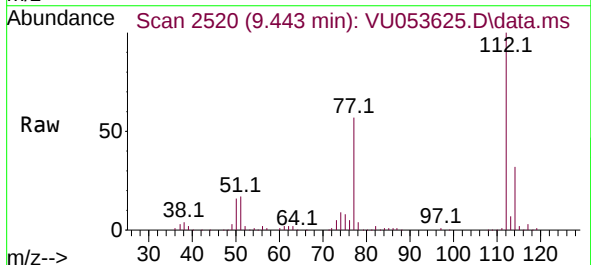
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

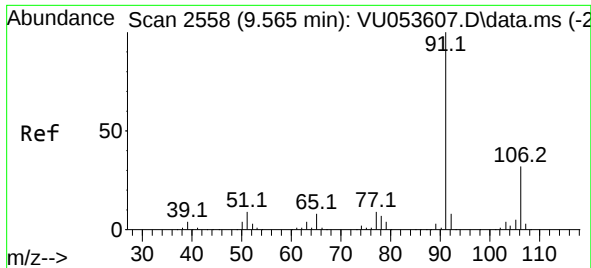
Tgt Ion:107 Resp: 103046
Ion Ratio Lower Upper
107 100
109 95.6 66.3 123.1
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 52.469 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion:112 Resp: 260323
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 56.8 41.3 61.9

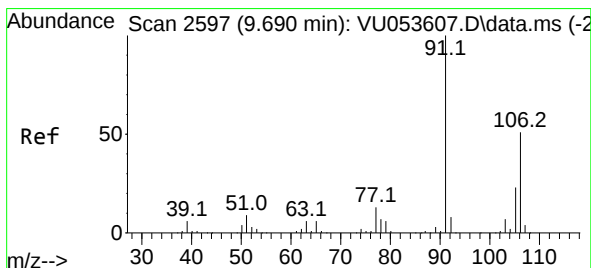
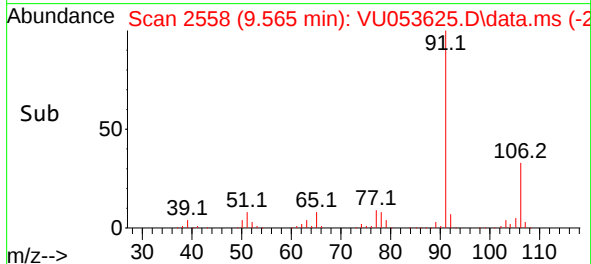
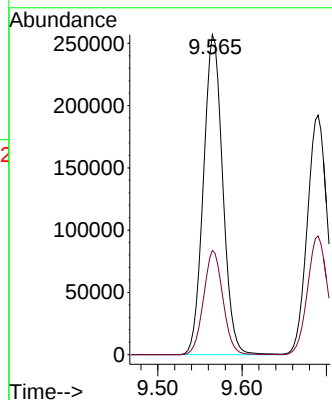
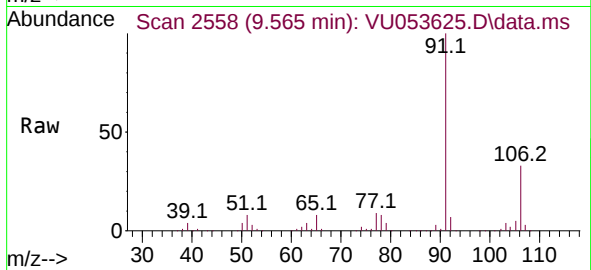




#52
Ethylbenzene
Concen: 51.132 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

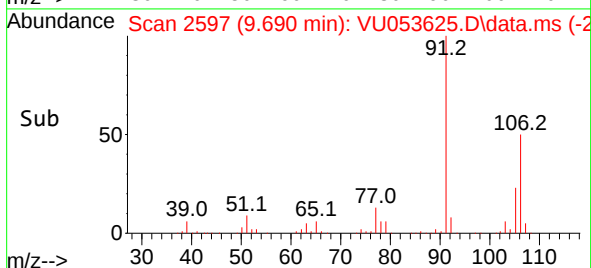
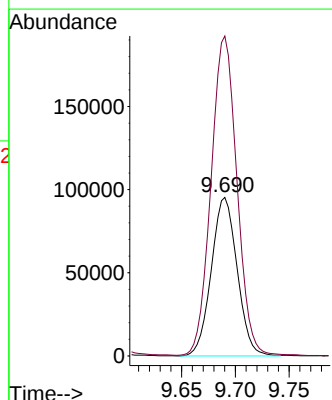
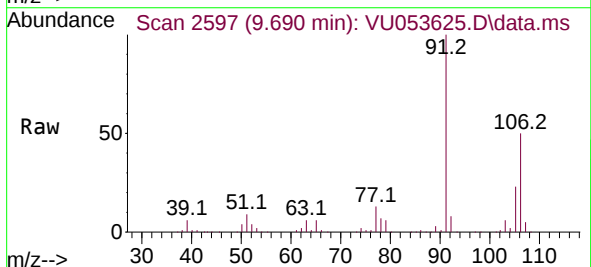
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

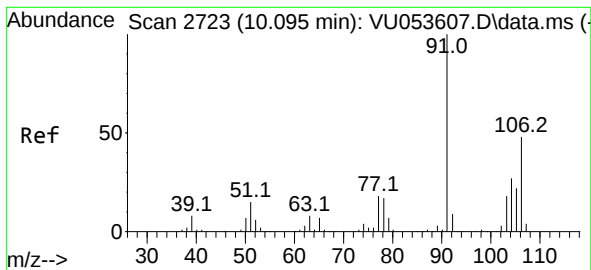
Tgt Ion: 91 Resp: 409877
Ion Ratio Lower Upper
91 100
106 32.6 22.4 41.6



#53
m,p-Xylene
Concen: 50.850 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 106 Resp: 159420
Ion Ratio Lower Upper
106 100
91 201.8 140.0 260.0





#54

o-Xylene

Concen: 51.119 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

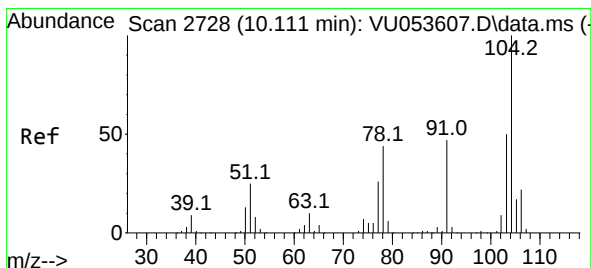
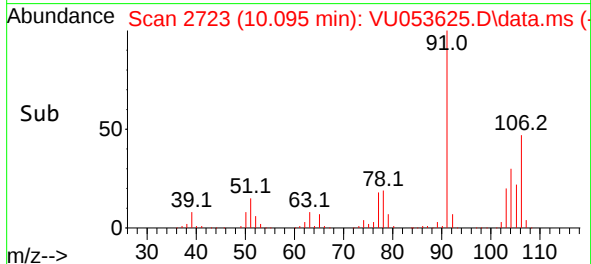
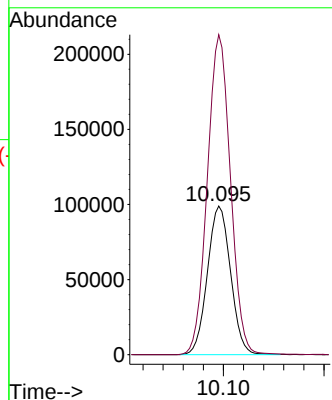
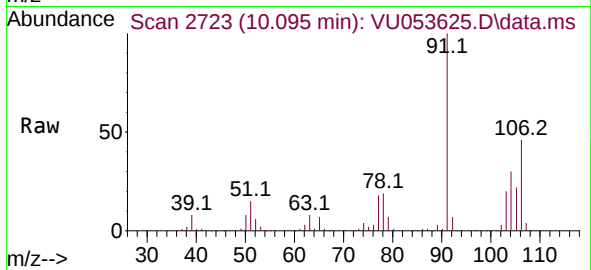
VSTD050192

Tgt Ion:106 Resp: 158450

Ion Ratio Lower Upper

106 100

91 215.3 144.9 269.1



#55

Styrene

Concen: 52.265 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU053625.D

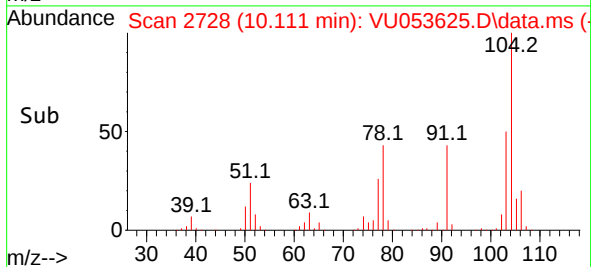
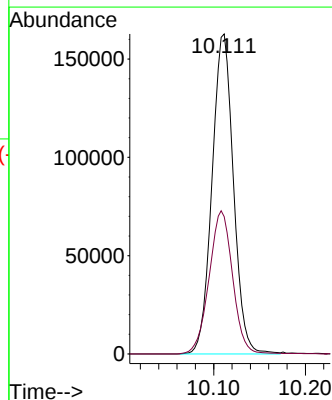
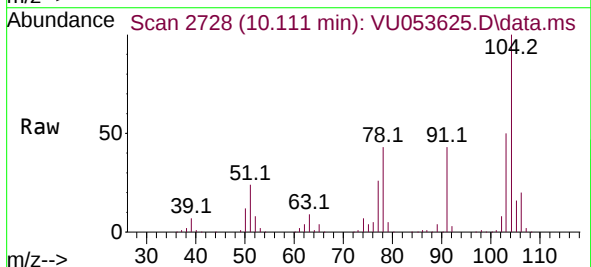
Acq: 10 Apr 2023 20:23

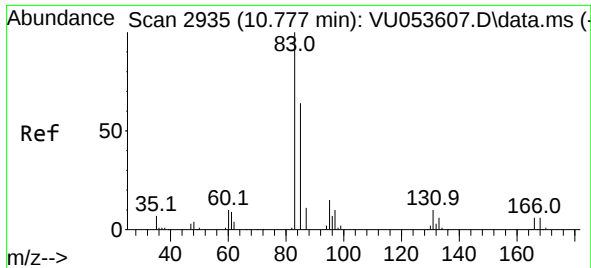
Tgt Ion:104 Resp: 263871

Ion Ratio Lower Upper

104 100

78 42.9 31.3 58.1

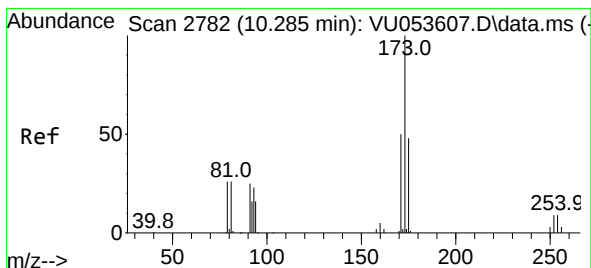
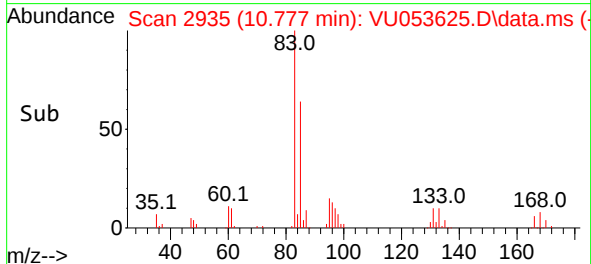
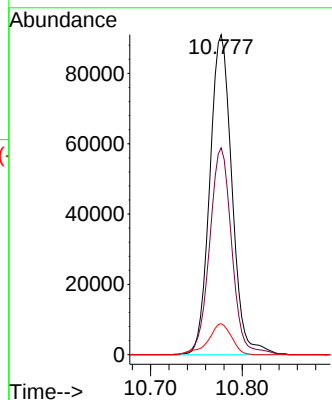
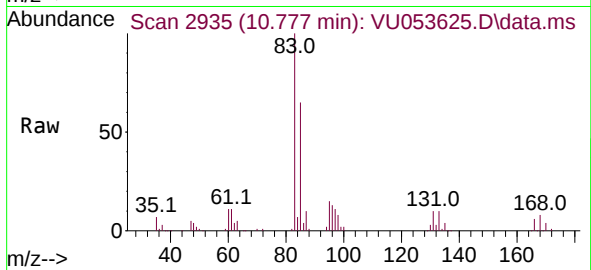




#57
 1,1,2,2-Tetrachloroethane
 Concen: 58.754 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

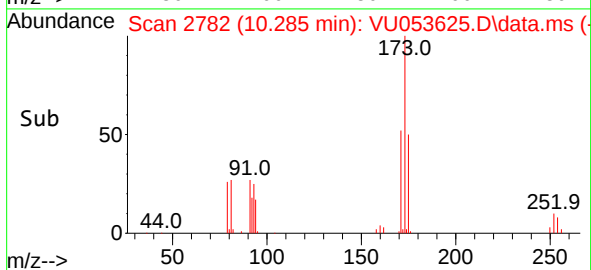
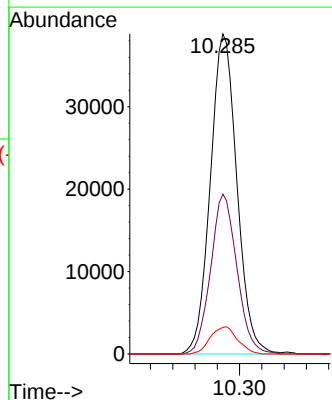
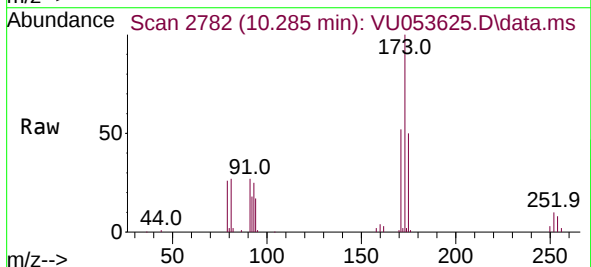
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

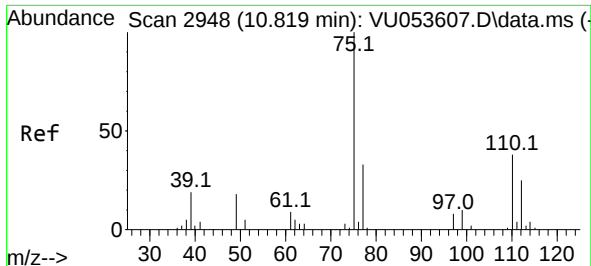
Tgt Ion: 83 Resp: 152814
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.0 87.4
 131 9.7 8.7 13.1



#59
 Bromoform
 Concen: 46.533 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

Tgt Ion: 173 Resp: 64284
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.6
 254 8.7 7.0 10.4

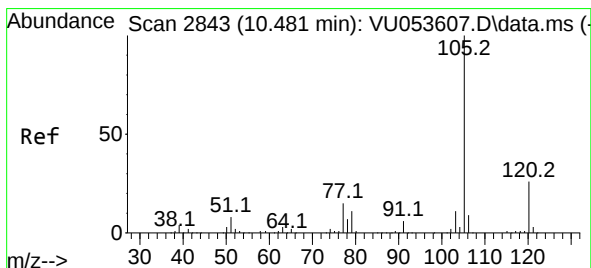
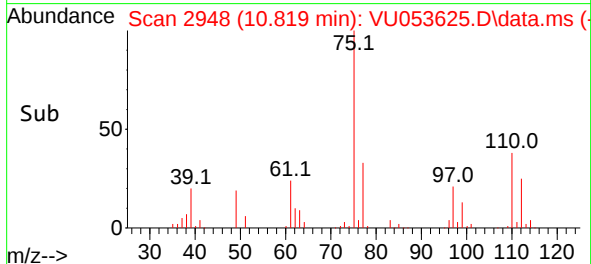
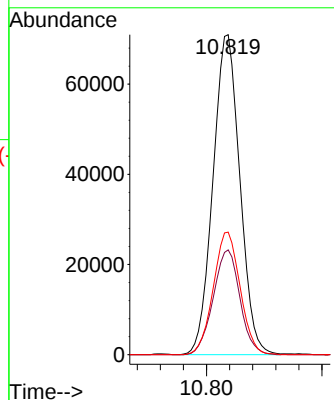
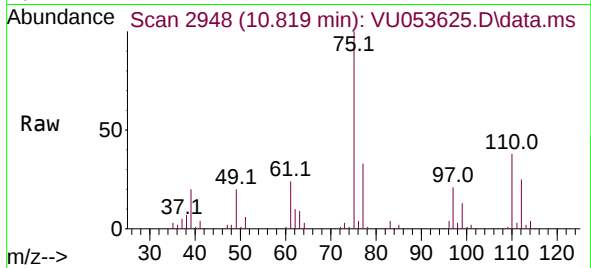




#60
1,2,3-Trichloropropane
Concen: 58.612 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

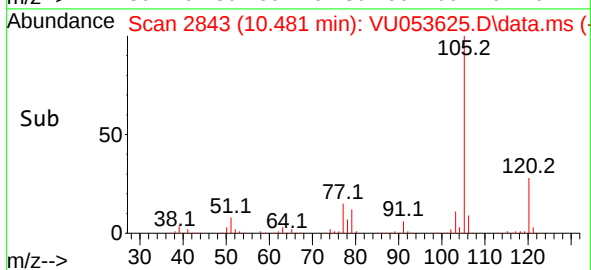
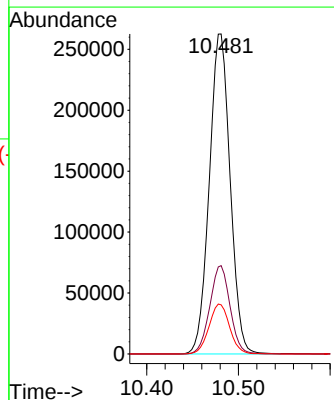
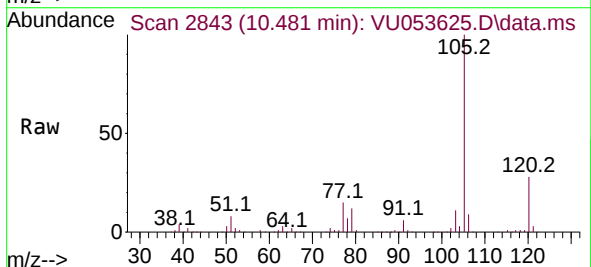
Instrument :
MSVOA_U
ClientSampleId :
VSTD050192

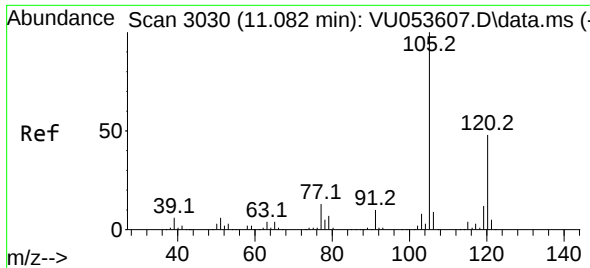
Tgt Ion: 75 Resp: 114704
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 38.3 32.6 48.8



#61
Isopropylbenzene
Concen: 51.966 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053625.D
Acq: 10 Apr 2023 20:23

Tgt Ion: 105 Resp: 414675
Ion Ratio Lower Upper
105 100
120 26.7 22.4 33.6
77 15.5 12.1 18.1

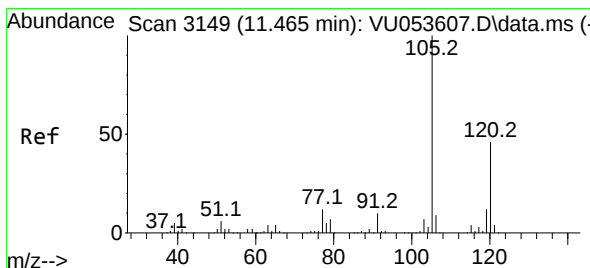
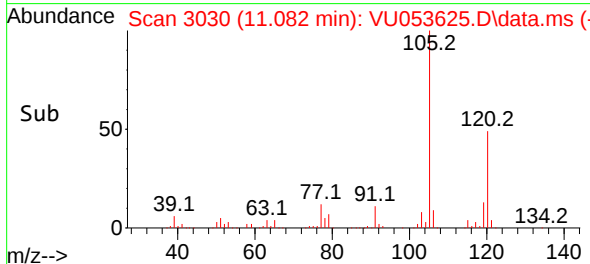
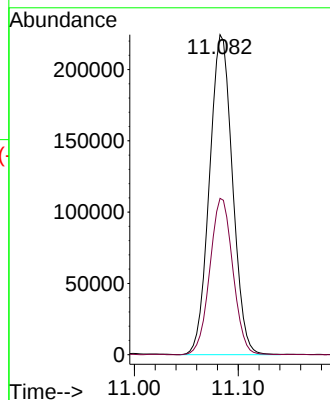
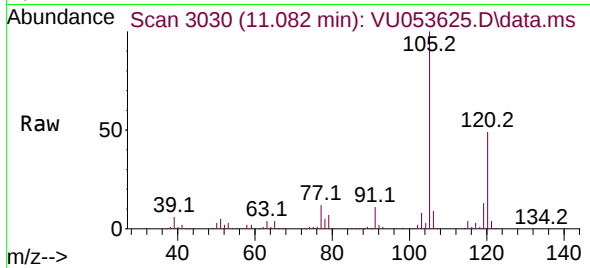




#62
 1,3,5-Trimethylbenzene
 Concen: 52.094 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

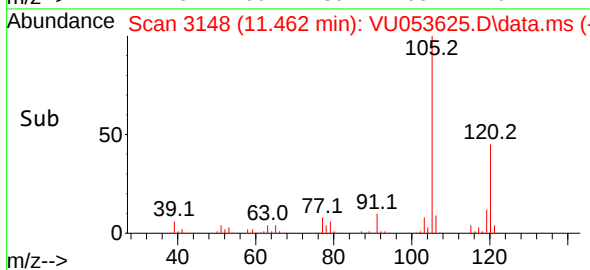
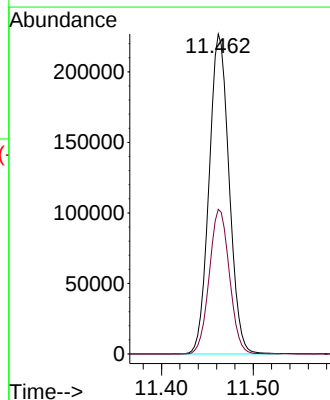
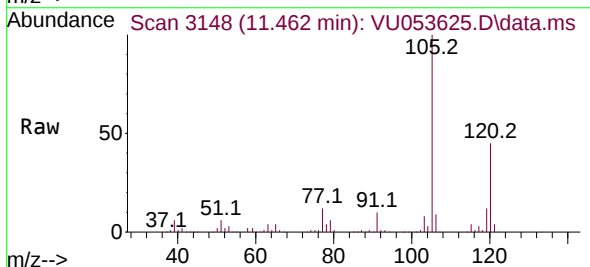
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

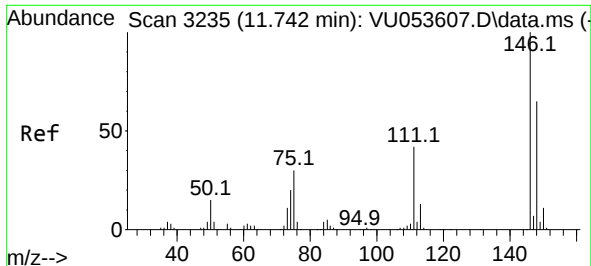
Tgt Ion:105 Resp: 345563
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 52.450 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.003 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

Tgt Ion:105 Resp: 344597
 Ion Ratio Lower Upper
 105 100
 120 45.4 37.5 56.3

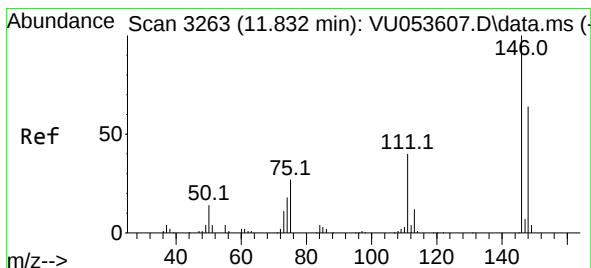
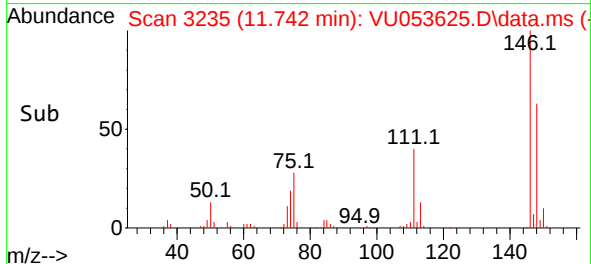
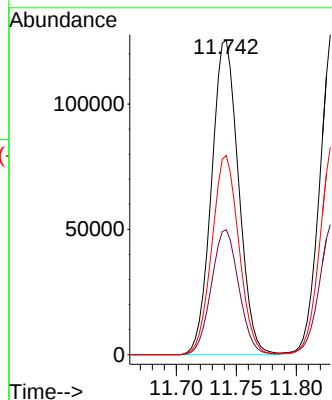
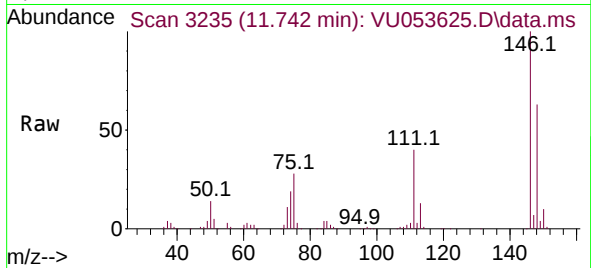




#64
 1,3-Dichlorobenzene
 Concen: 47.145 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

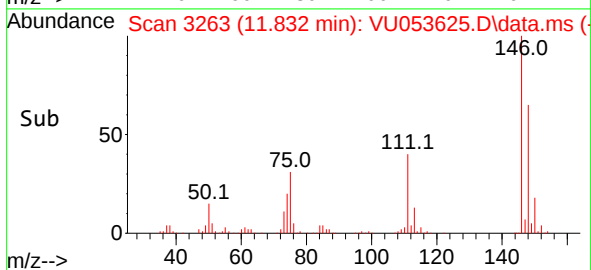
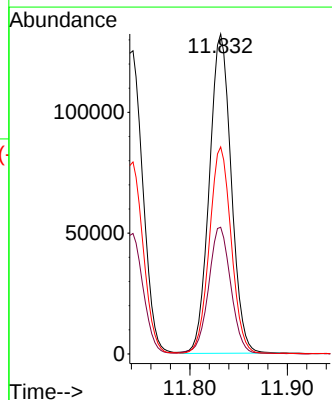
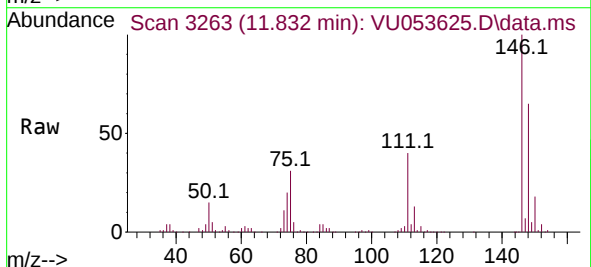
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

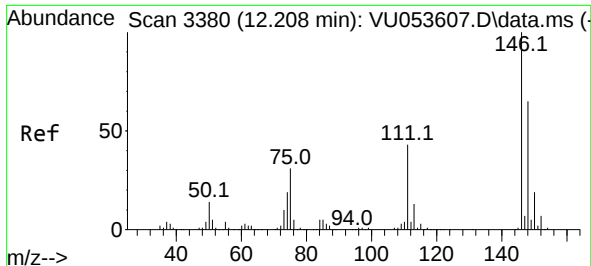
Tgt Ion:146 Resp: 196575
 Ion Ratio Lower Upper
 146 100
 111 39.7 25.7 47.7
 148 63.3 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 48.626 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU053625.D
 Acq: 10 Apr 2023 20:23

Tgt Ion:146 Resp: 206641
 Ion Ratio Lower Upper
 146 100
 111 39.6 25.1 46.5
 148 64.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.717 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

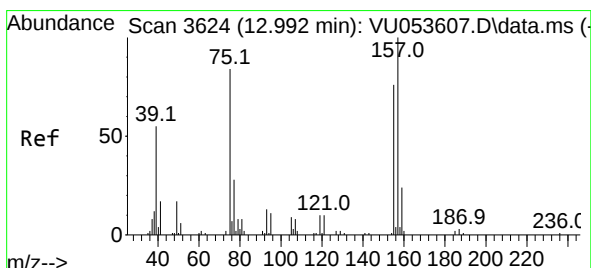
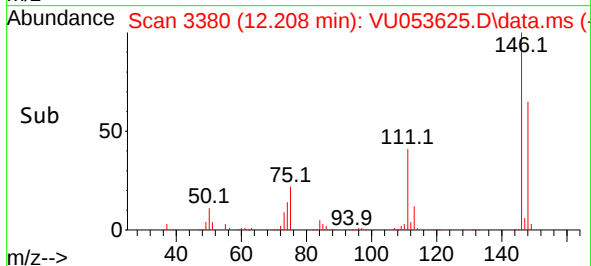
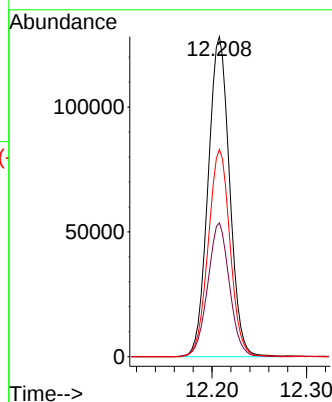
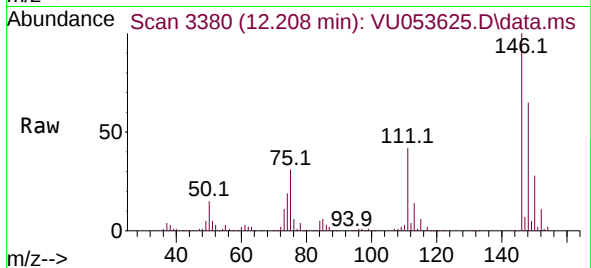
Tgt Ion:146 Resp: 202448

Ion Ratio Lower Upper

146 100

111 41.8 31.5 47.3

148 64.8 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 60.419 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

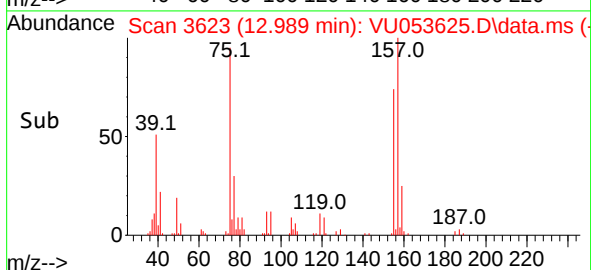
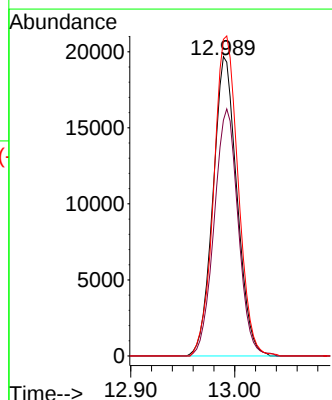
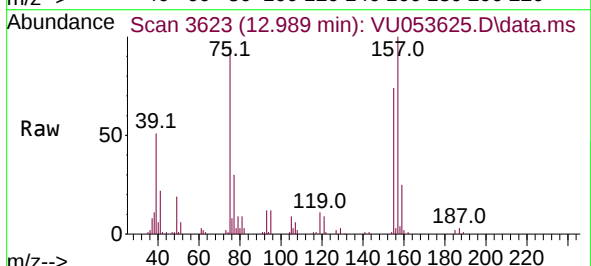
Tgt Ion: 75 Resp: 31521

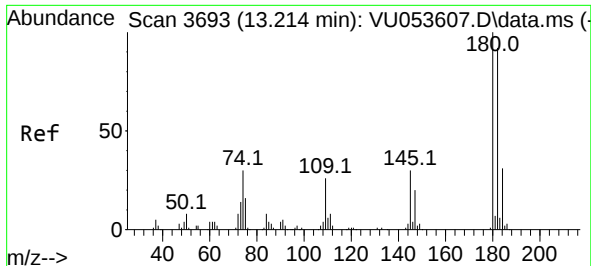
Ion Ratio Lower Upper

75 100

155 78.7 79.9 119.9#

157 105.8 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 42.575 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

Tgt Ion:180 Resp: 131458

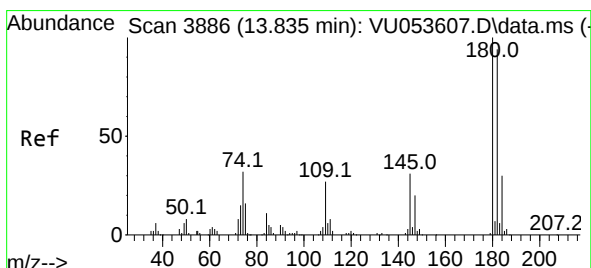
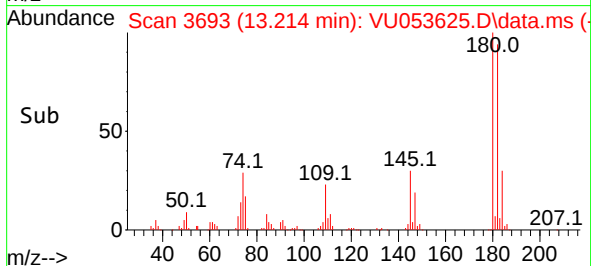
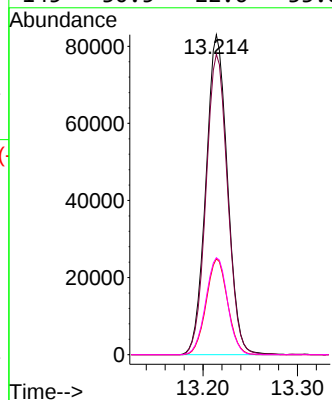
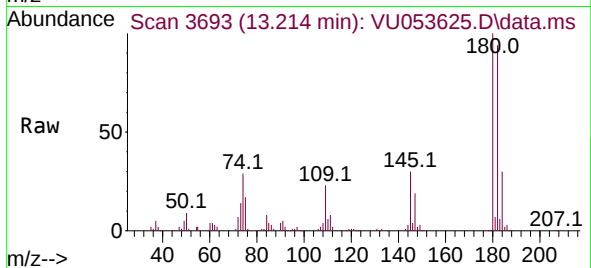
Ion Ratio Lower Upper

180 100

182 93.8 75.6 113.4

184 29.7 24.2 36.2

145 30.5 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 42.387 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

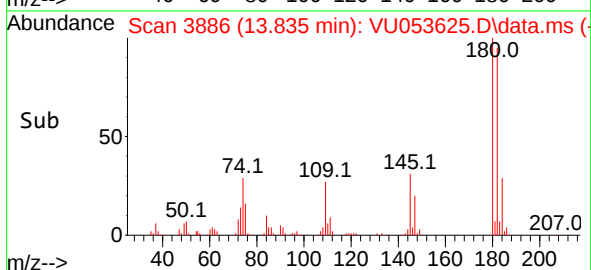
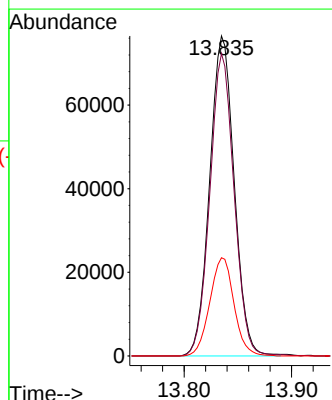
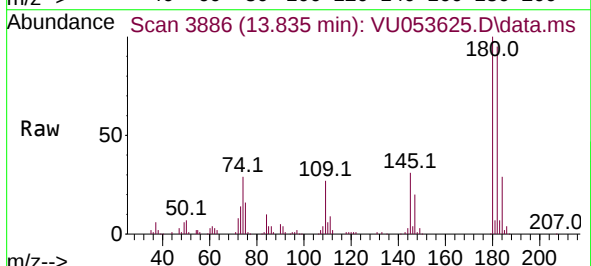
Tgt Ion:180 Resp: 121342

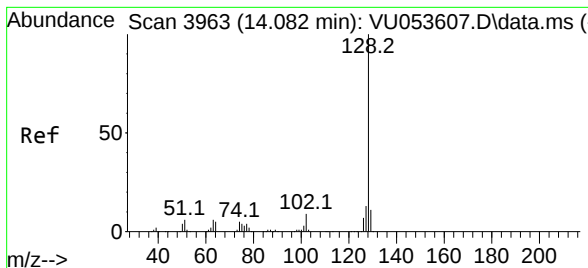
Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.8

145 30.3 23.4 35.2





#71

Naphthalene

Concen: 47.685 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050192

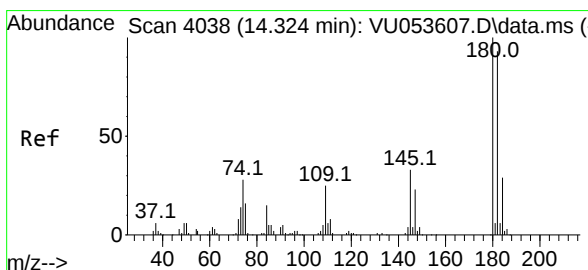
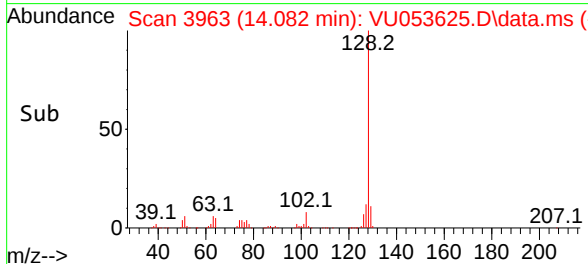
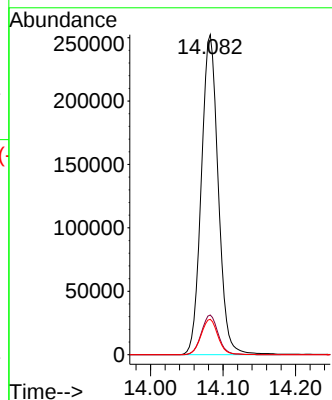
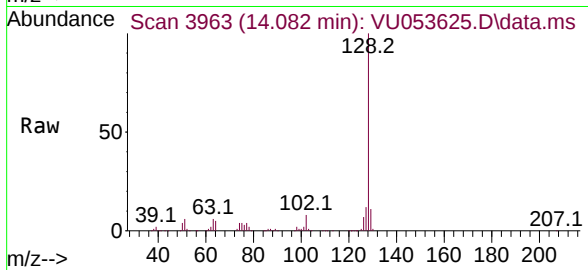
Tgt Ion:128 Resp: 408591

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 42.239 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053625.D

Acq: 10 Apr 2023 20:23

Tgt Ion:180 Resp: 120774

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 33.5 25.4 38.0

