

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041123\
 Data File : VU053627.D
 Acq On : 11 Apr 2023 11:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

Quant Time: Apr 12 02:19:25 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	6.244	114	244260	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230711	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124877	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78438	41.241	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.480%		
7) Chloroethane-d5	1.909	69	69012	47.060	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.120%		
11) 1,1-Dichloroethene-d2	2.565	63	130950	44.478	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.960%		
21) 2-Butanone-d5	4.613	46	93272	108.314	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.310%		
24) Chloroform-d	5.060	84	144354	45.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.780%		
26) 1,2-Dichloroethane-d4	5.697	65	88072	47.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.760%		
32) Benzene-d6	5.723	84	280992	45.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.240%		
36) 1,2-Dichloropropane-d6	6.684	67	88519	46.504	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.000%		
41) Toluene-d8	7.893	98	265573	42.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.820%		
43) trans-1,3-Dichloroprop...	8.176	79	41481	42.217	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.440%		
47) 2-Hexanone-d5	8.626	63	70013	107.774	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.770%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130380	48.598	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.200%		
66) 1,2-Dichlorobenzene-d4	12.189	152	109102	41.856	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	105002	52.964	ug/L	98
3) Chloromethane	1.520	50	97377	59.775	ug/L	97
5) Vinyl chloride	1.604	62	116374	61.640	ug/L	99
6) Bromomethane	1.851	94	73367	53.408	ug/L	100
8) Chloroethane	1.932	64	71853	63.279	ug/L	99
9) Trichlorofluoromethane	2.138	101	167856	57.805	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	93360	55.514	ug/L	92
12) 1,1-Dichloroethene	2.578	96	79878	53.295	ug/L	93
13) Acetone	2.617	43	69607	89.944	ug/L	97
14) Carbon disulfide	2.790	76	210807	53.171	ug/L	98
15) Methyl Acetate	2.941	43	75513	63.704	ug/L	96
16) Methylene chloride	3.041	84	97563	57.914	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	81166	53.885	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	253088	57.644	ug/L	99
19) 1,1-Dichloroethane	3.864	63	150996	60.515	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	95496	54.888	ug/L	94
22) 2-Butanone	4.694	43	104011	110.937	ug/L	96
23) Bromochloromethane	4.967	128	50450	52.057	ug/L	91
25) Chloroform	5.083	83	165206	57.726	ug/L	97

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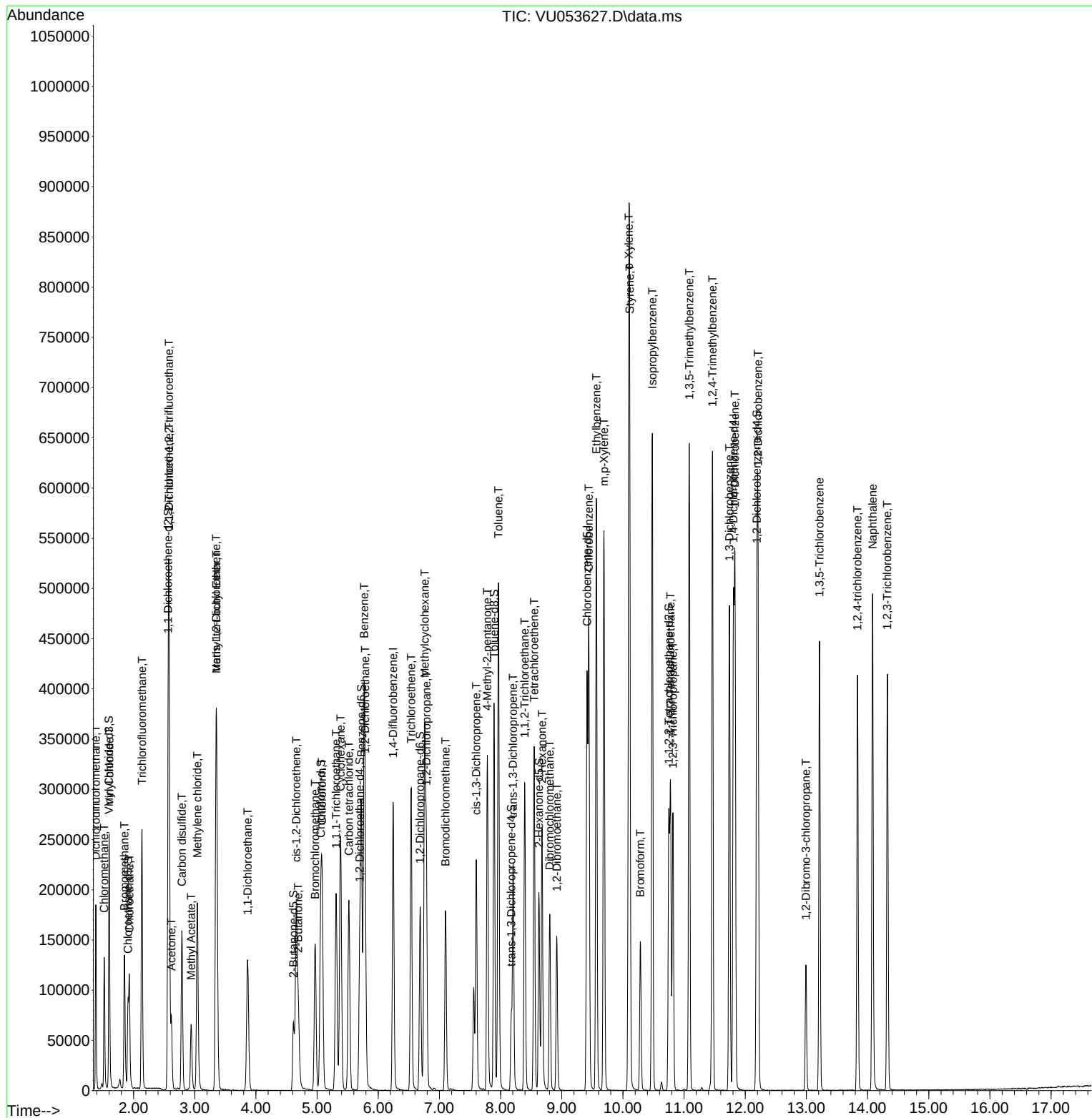
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	124898	59.592	ug/L	99
29) Cyclohexane	5.385	56	125729	56.608	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	142444	56.033	ug/L	97
31) Carbon tetrachloride	5.520	117	125787	55.227	ug/L	100
33) Benzene	5.771	78	345687	57.509	ug/L	100
34) Trichloroethene	6.539	95	100198	55.113	ug/L	95
35) Methylcyclohexane	6.761	83	148072	55.408	ug/L	98
37) 1,2-Dichloropropane	6.787	63	91115	59.697	ug/L	98
38) Bromodichloromethane	7.099	83	118774	58.333	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	140598	56.370	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	201780	121.656	ug/L	98
42) Toluene	7.964	91	379510	55.712	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	131891	55.936	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	97487	58.175	ug/L	98
46) Tetrachloroethene	8.549	164	73942	49.011	ug/L	95
48) 2-Hexanone	8.678	43	153277	114.242	ug/L	99
49) Dibromochloromethane	8.803	129	93360	53.580	ug/L	99
50) 1,2-Dibromoethane	8.919	107	103268	55.081	ug/L	98
51) Chlorobenzene	9.443	112	256771	54.708	ug/L	97
52) Ethylbenzene	9.565	91	421781	55.621	ug/L	99
53) m,p-Xylene	9.690	106	167181	56.371	ug/L	96
54) o-Xylene	10.095	106	163823	55.870	ug/L	100
55) Styrene	10.112	104	273266	57.217	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	144343	58.666	ug/L	98
59) Bromoform	10.285	173	65382	51.152	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	117515	64.901	ug/L	97
61) Isopropylbenzene	10.481	105	428558	58.046	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	358986	58.491	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	356710	58.681	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	201998	52.360	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	212131	53.952	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	202008	52.539	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	30000	62.150	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	134619	47.122	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	123894	46.776	ug/L	98
71) Naphthalene	14.082	128	402322	50.748	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	126390	47.775	ug/L	98

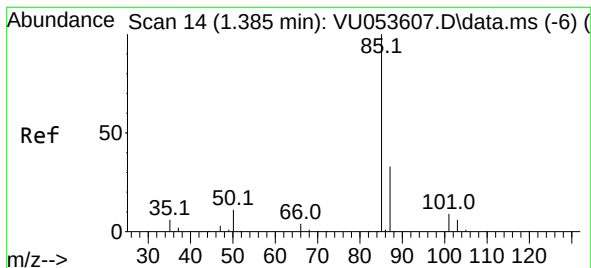
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#2

Dichlorodifluoromethane

Concen: 52.964 ug/L

RT: 1.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

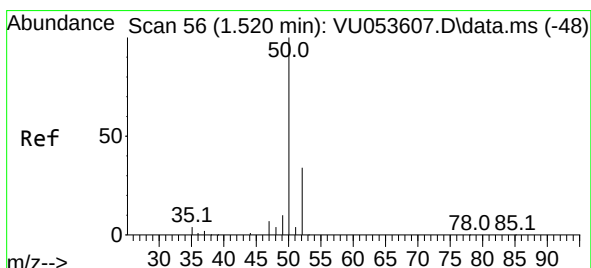
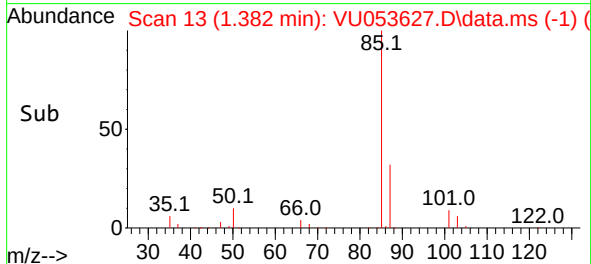
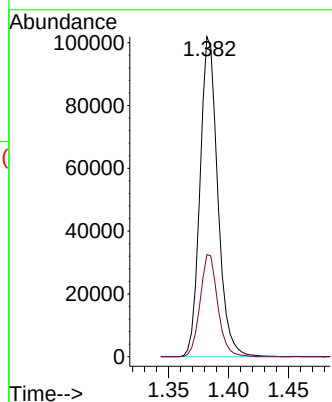
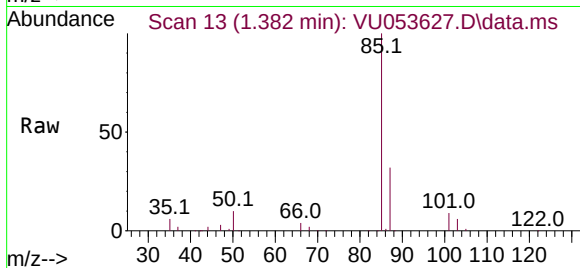
VSTD050193

Tgt Ion: 85 Resp: 105002

Ion Ratio Lower Upper

85 100

87 31.7 26.4 39.6



#3

Chloromethane

Concen: 59.775 ug/L

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU053627.D

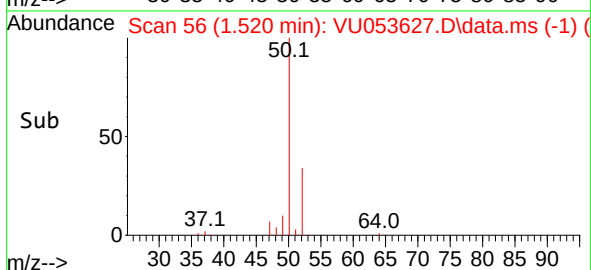
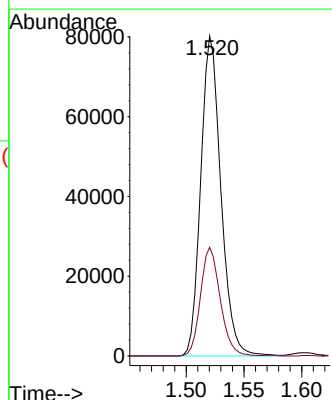
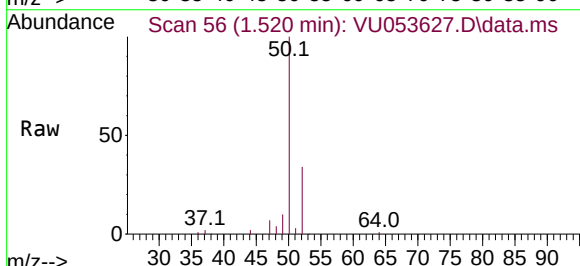
Acq: 11 Apr 2023 11:25

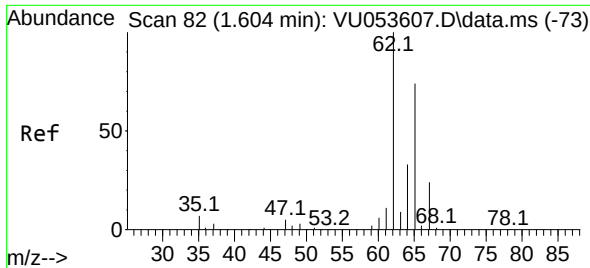
Tgt Ion: 50 Resp: 97377

Ion Ratio Lower Upper

50 100

52 34.0 22.7 42.1

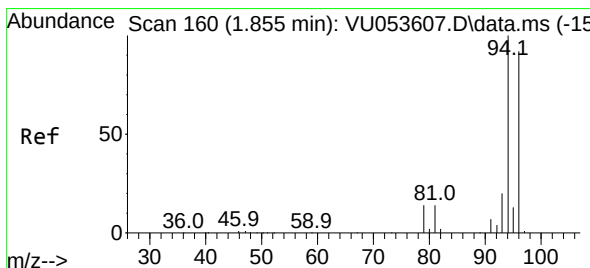
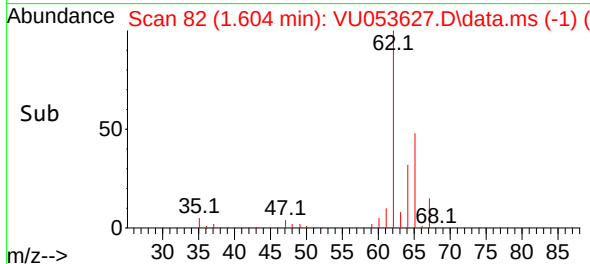
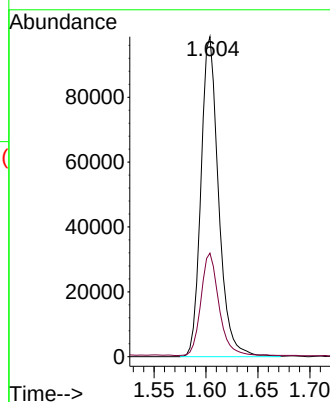
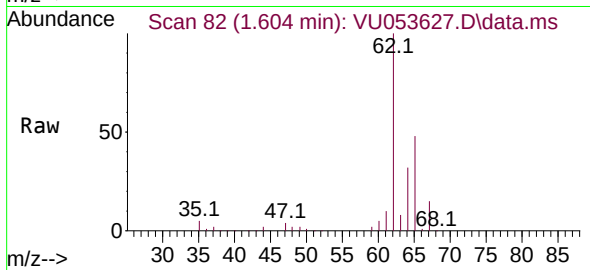




#5
 Vinyl chloride
 Concen: 61.640 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

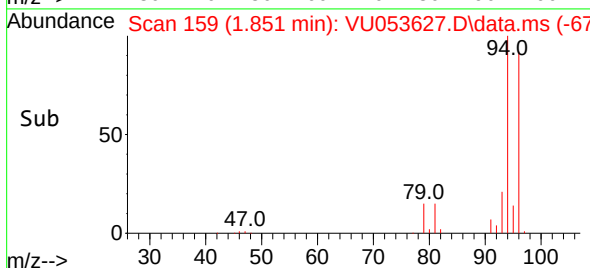
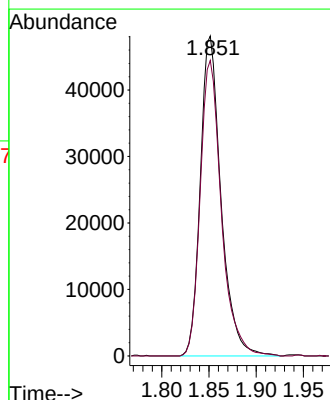
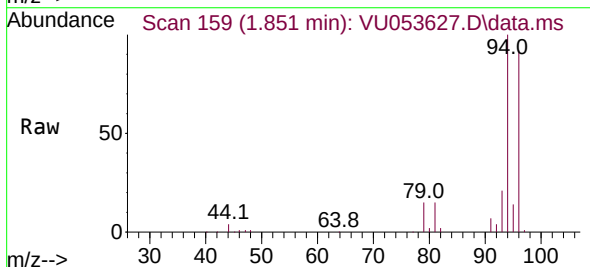
Instrument :
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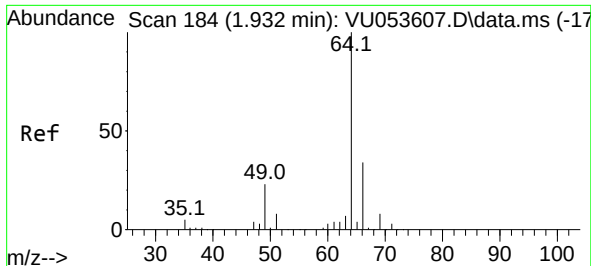
Tgt Ion: 62 Resp: 116374
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#6
 Bromomethane
 Concen: 53.408 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

Tgt Ion: 94 Resp: 73367
 Ion Ratio Lower Upper
 94 100
 96 92.3 64.4 119.6

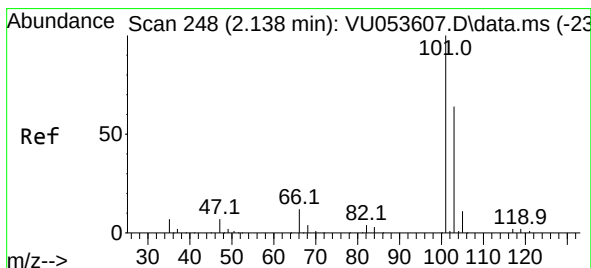
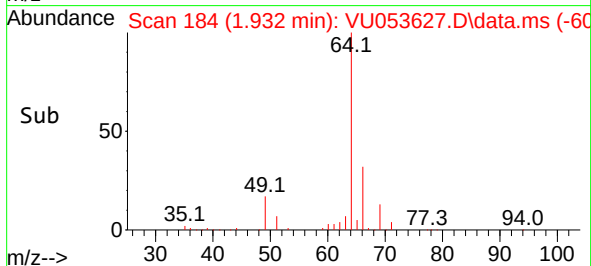
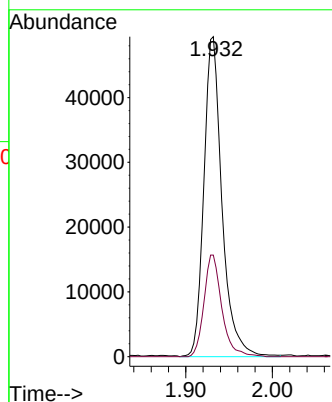
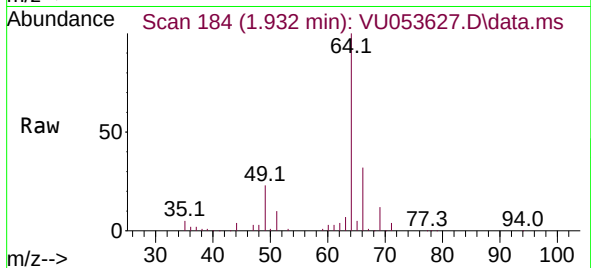




#8
Chloroethane
Concen: 63.279 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

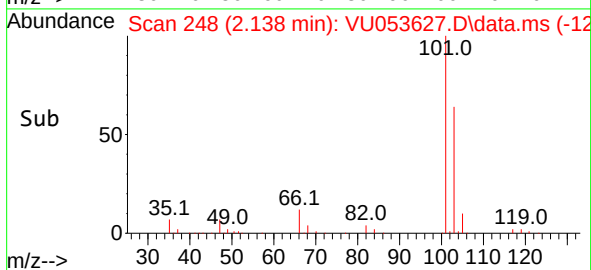
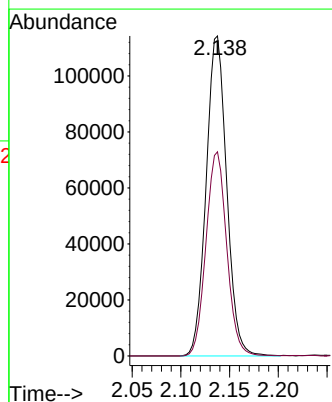
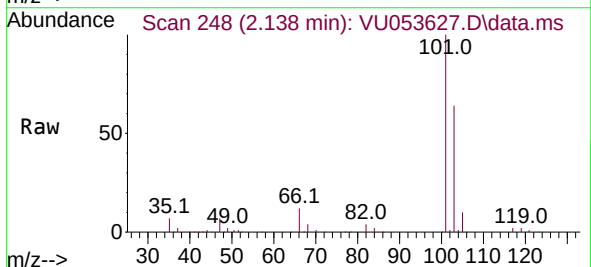
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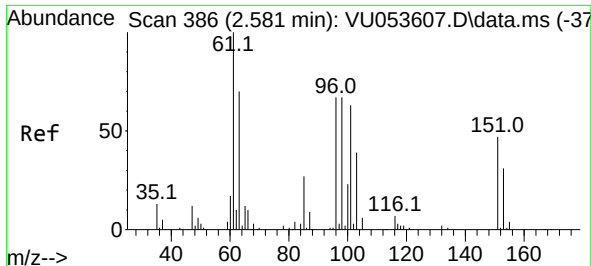
Tgt Ion: 64 Resp: 71853
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 57.805 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion:101 Resp: 167856
Ion Ratio Lower Upper
101 100
103 64.3 52.5 78.7

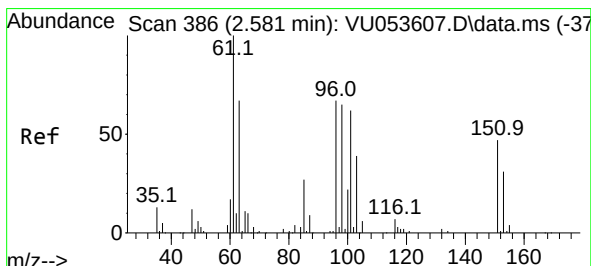
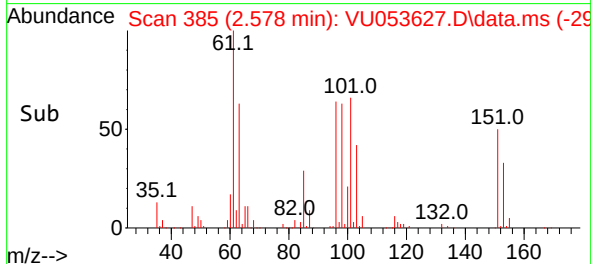
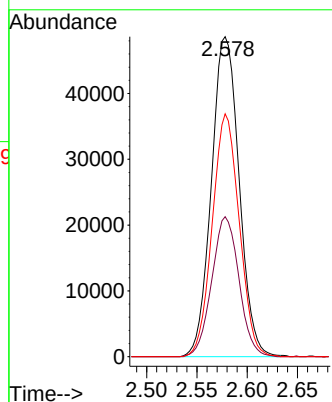
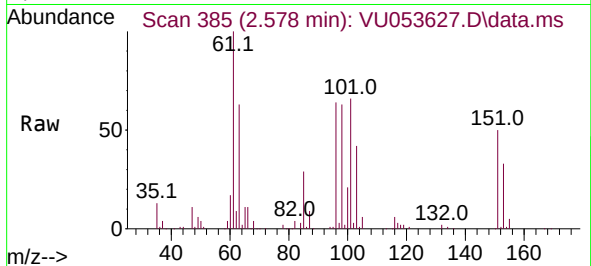




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 55.514 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

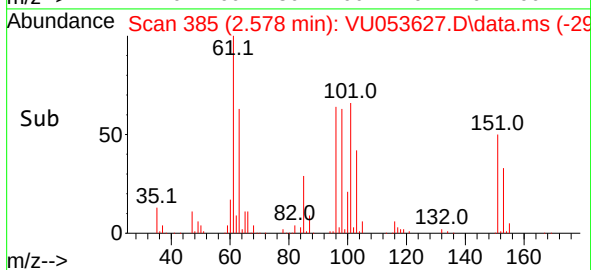
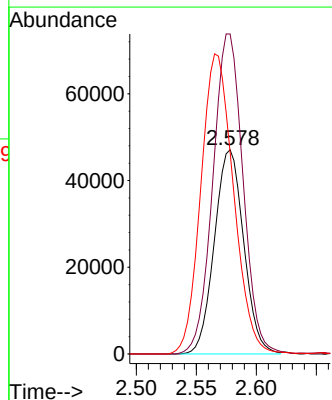
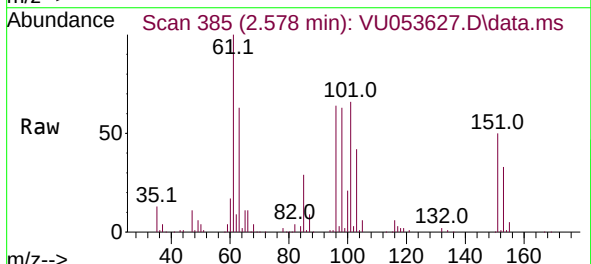
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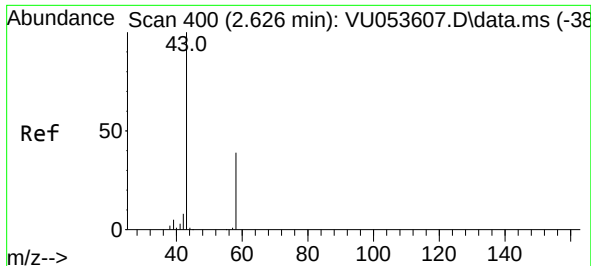
Tgt Ion:101 Resp: 93360
Ion Ratio Lower Upper
101 100
85 42.8 32.6 48.8
151 73.6 65.8 98.6



#12
1,1-Dichloroethene
Concen: 53.295 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 96 Resp: 79878
Ion Ratio Lower Upper
96 100
61 156.7 107.9 200.5
63 98.8 79.1 146.9





#13

Acetone

Concen: 89.944 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU053627.D

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Instrument :

MSVOA_U

ClientSampleId :

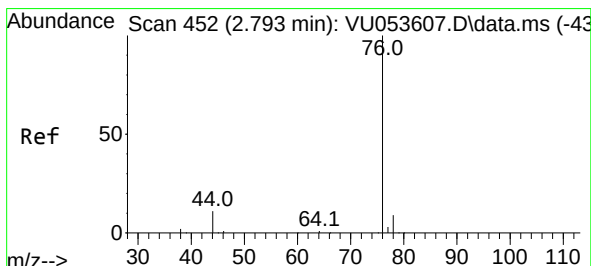
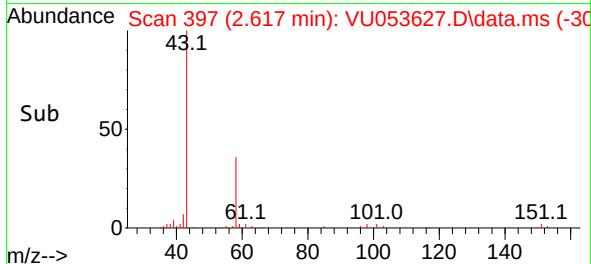
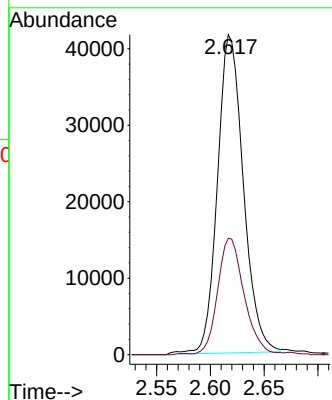
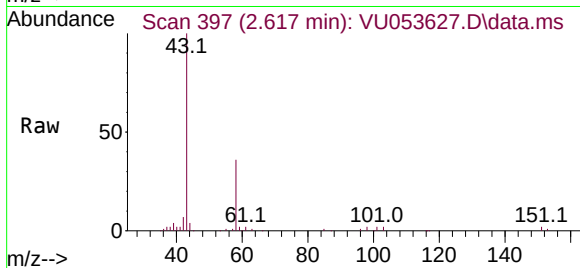
VSTD050193

Tgt Ion: 43 Resp: 69607

Ion Ratio Lower Upper

43 100

58 37.1 0.0 70.2



#14

Carbon disulfide

Concen: 53.171 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053627.D

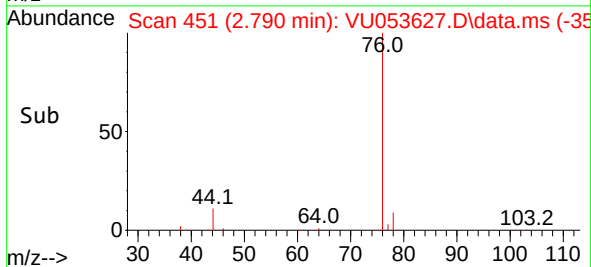
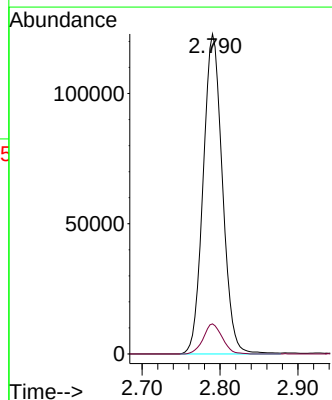
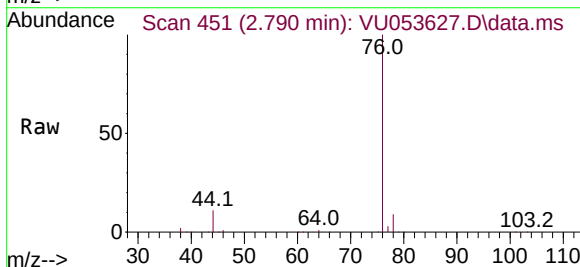
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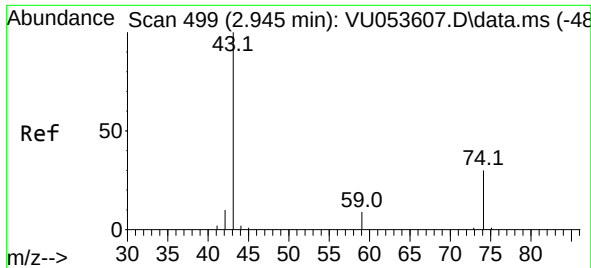
Tgt Ion: 76 Resp: 210807

Ion Ratio Lower Upper

76 100

78 9.4 8.2 12.2

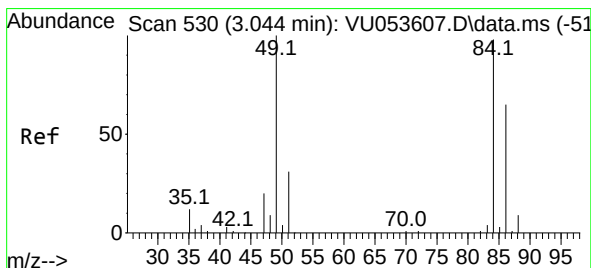
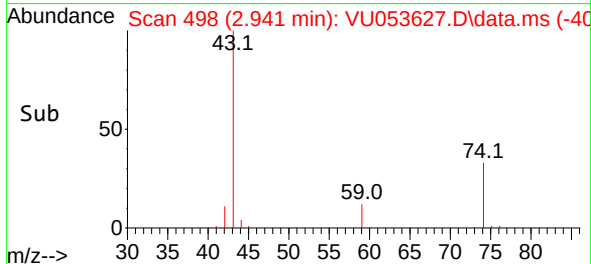
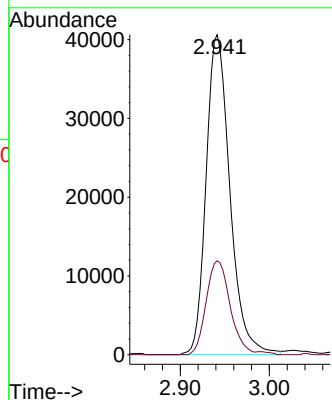
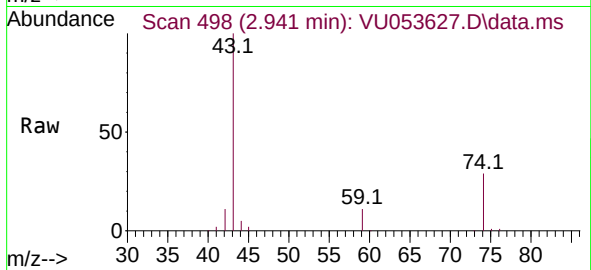




#15
Methyl Acetate
Concen: 63.704 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

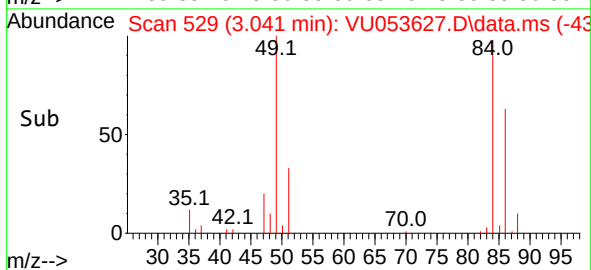
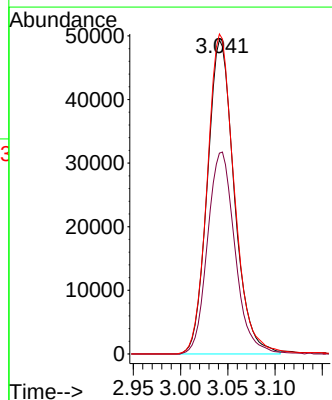
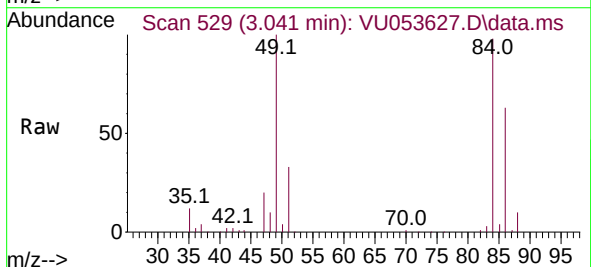
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

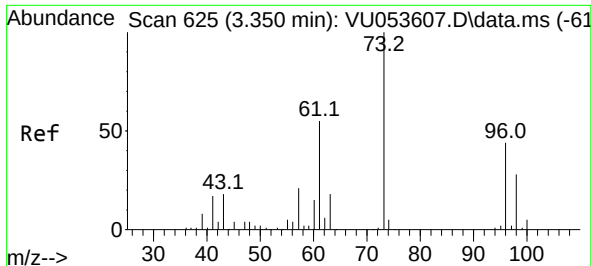
Tgt Ion: 43 Resp: 75513
Ion Ratio Lower Upper
43 100
74 29.3 22.0 33.0



#16
Methylene chloride
Concen: 57.914 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 84 Resp: 97563
Ion Ratio Lower Upper
84 100
86 64.0 43.5 80.9
49 101.9 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 53.885 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

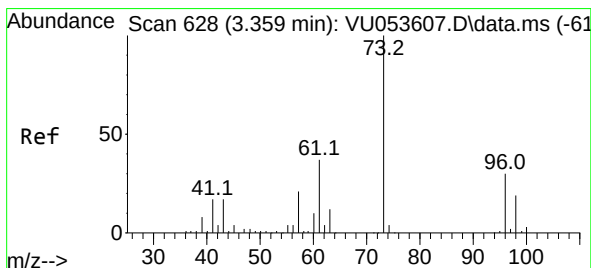
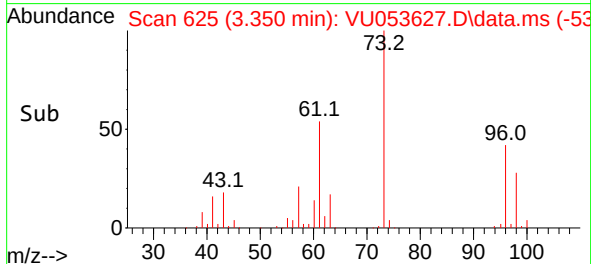
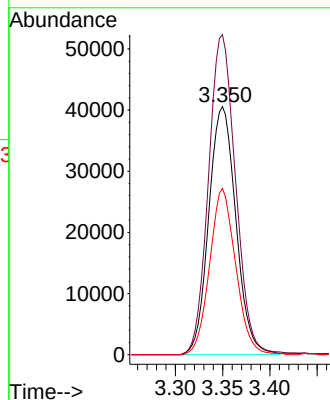
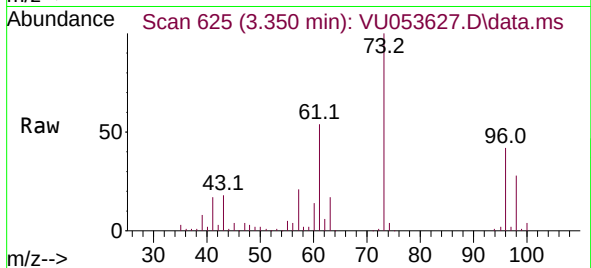
Tgt Ion: 96 Resp: 81166

Ion Ratio Lower Upper

96 100

61 128.9 84.4 156.8

98 67.0 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 57.644 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

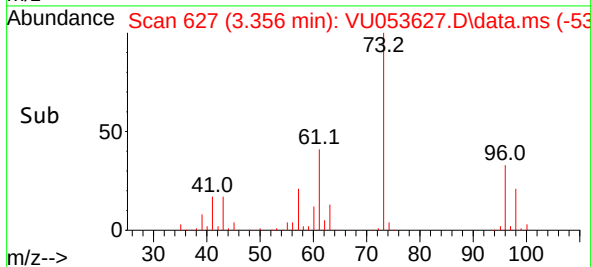
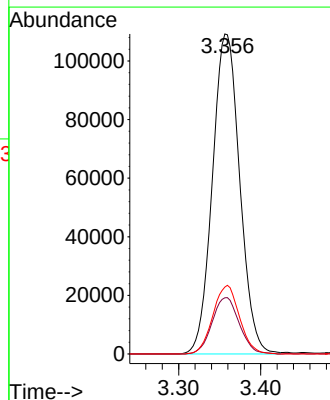
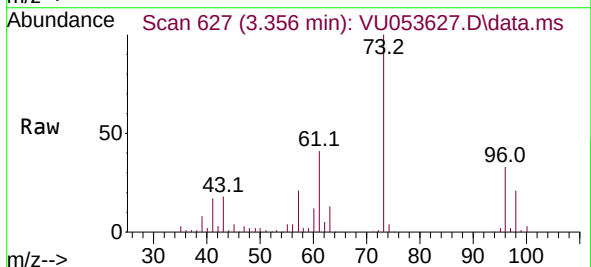
Tgt Ion: 73 Resp: 253088

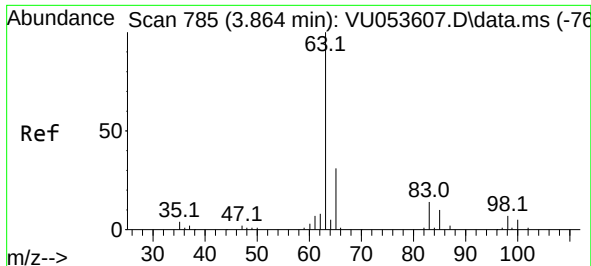
Ion Ratio Lower Upper

73 100

43 17.5 13.8 20.8

57 20.8 15.9 23.9





#19

1,1-Dichloroethane

Concen: 60.515 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

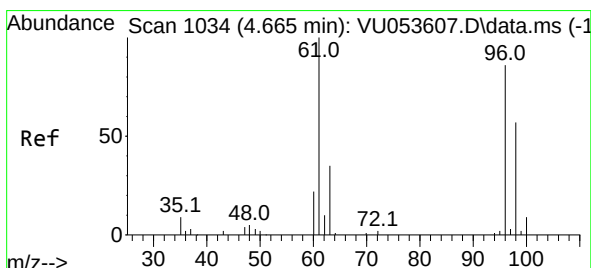
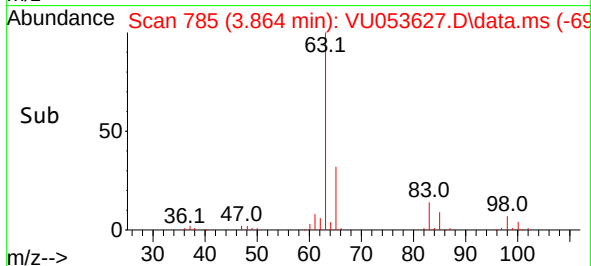
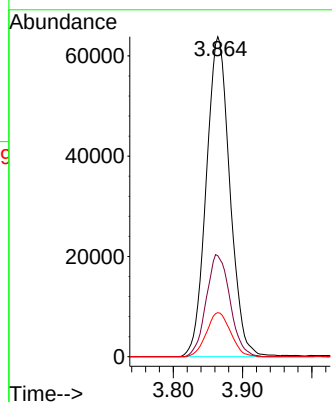
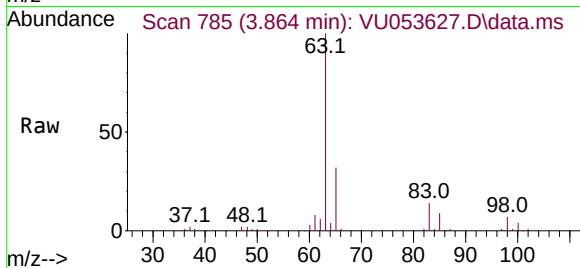
Tgt Ion: 63 Resp: 150996

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.8 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 54.888 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

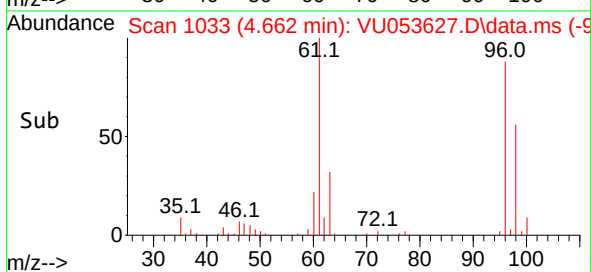
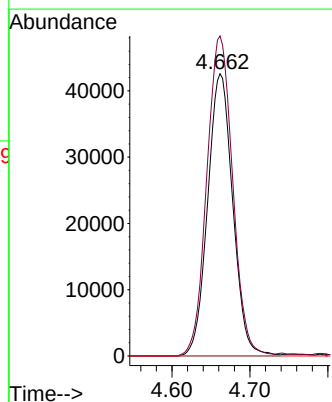
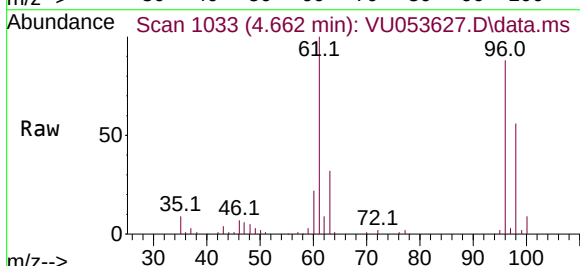
Tgt Ion: 96 Resp: 95496

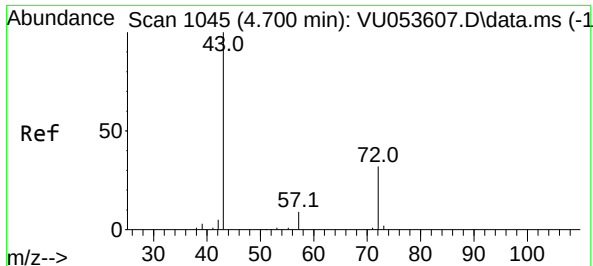
Ion Ratio Lower Upper

96 100

61 113.4 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.937 ug/L

RT: 4.694 min Scan# 110

Delta R.T. -0.006 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

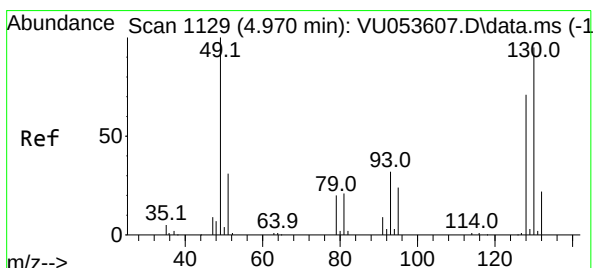
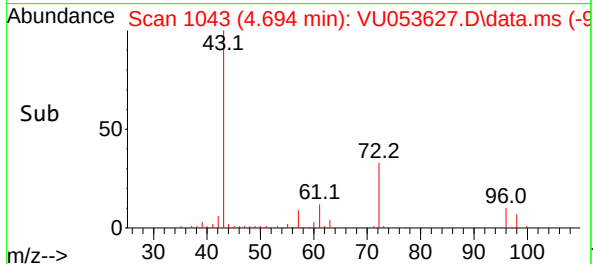
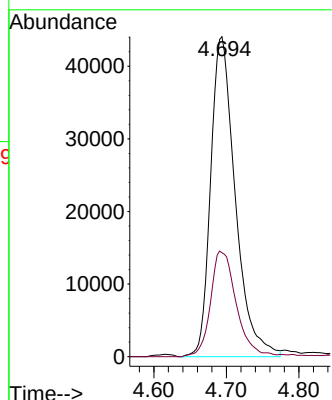
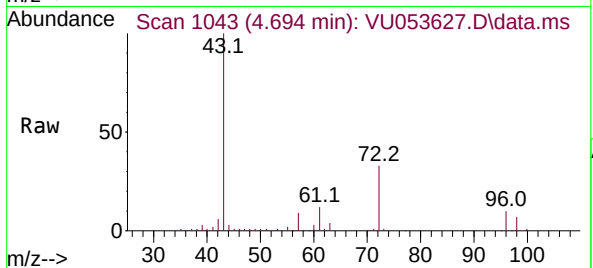
VSTD050193

Tgt Ion: 43 Resp: 104011

Ion Ratio Lower Upper

43 100

72 34.0 15.8 47.3



#23

Bromochloromethane

Concen: 52.057 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Tgt Ion:128 Resp: 50450

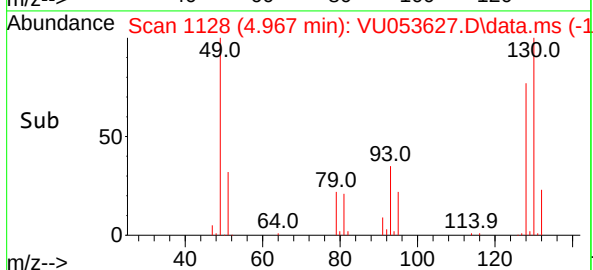
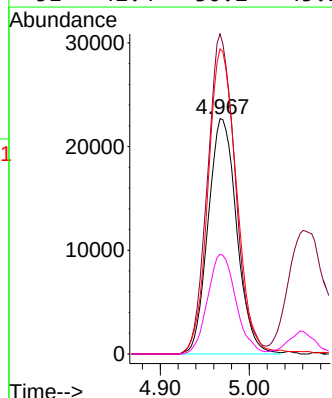
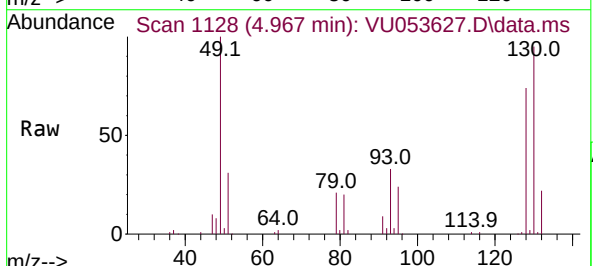
Ion Ratio Lower Upper

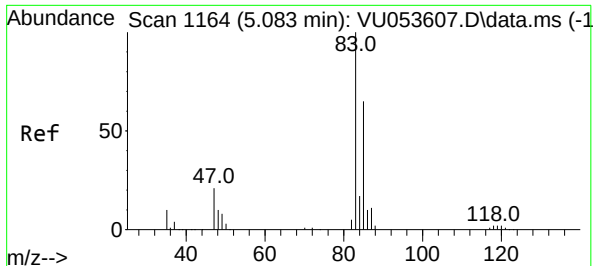
128 100

49 136.0 81.5 151.3

130 129.7 91.8 170.4

51 42.4 30.2 45.2





#25

Chloroform

Concen: 57.726 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

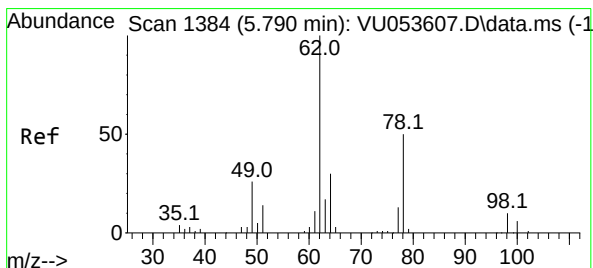
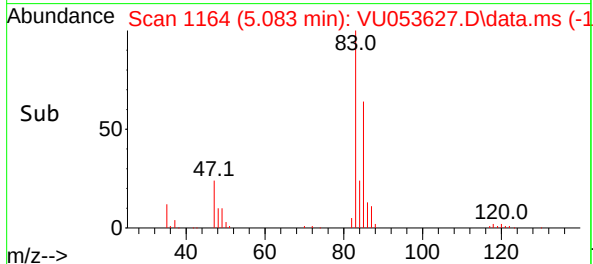
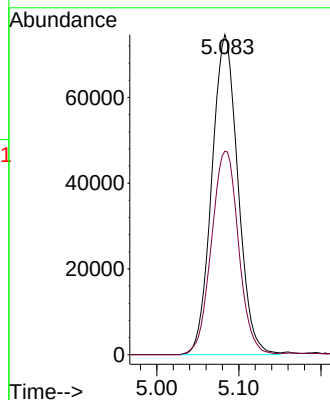
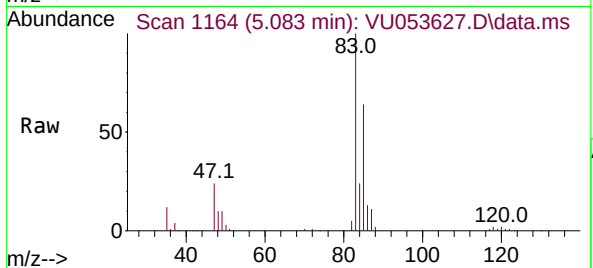
VSTD050193

Tgt Ion: 83 Resp: 165206

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 59.592 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053627.D

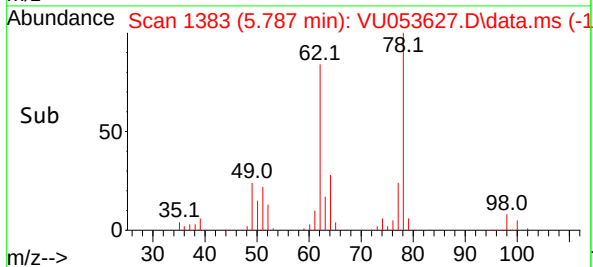
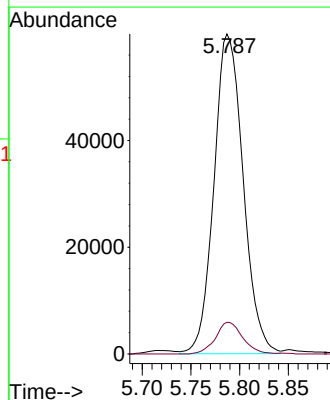
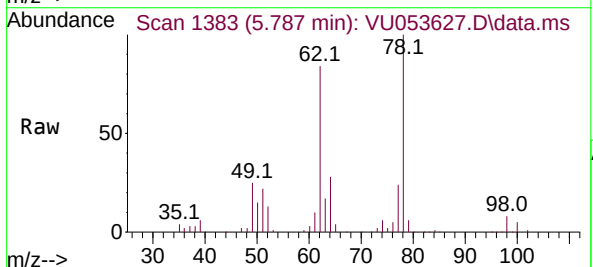
Acq: 11 Apr 2023 11:25

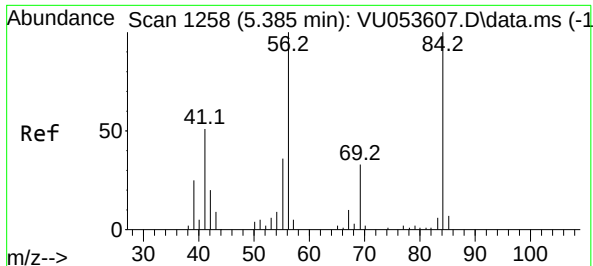
Tgt Ion: 62 Resp: 124898

Ion Ratio Lower Upper

62 100

98 9.9 8.3 12.5





#29

Cyclohexane

Concen: 56.608 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

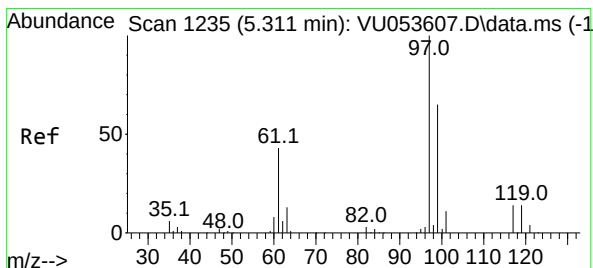
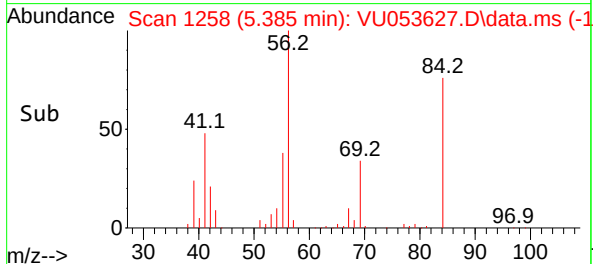
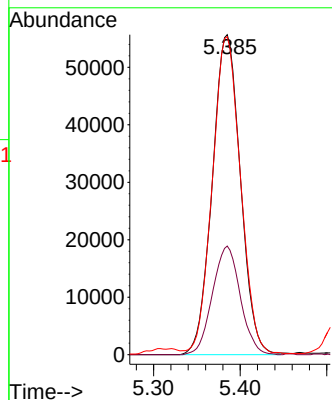
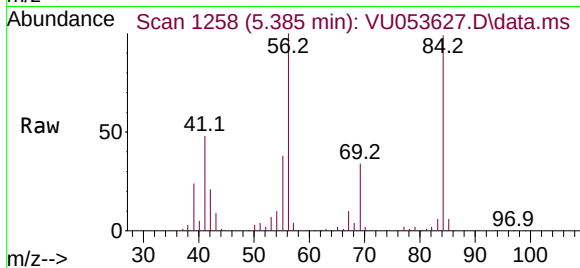
Tgt Ion: 56 Resp: 125729

Ion Ratio Lower Upper

56 100

69 33.5 27.3 40.9

84 97.7 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 56.033 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

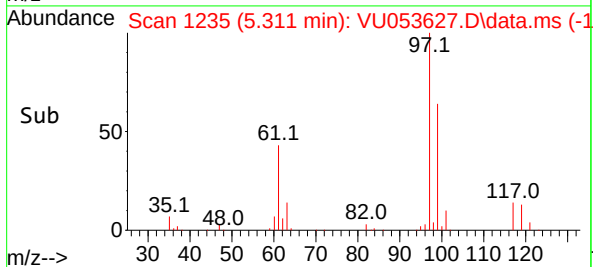
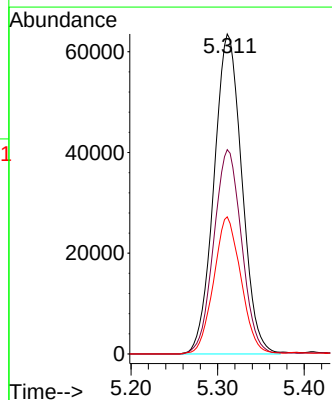
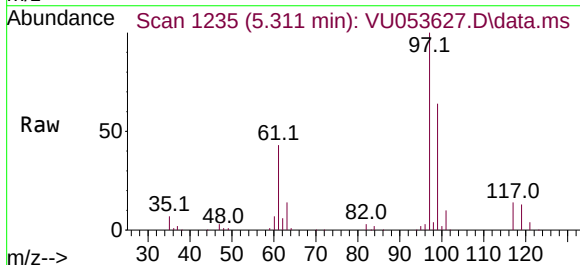
Tgt Ion: 97 Resp: 142444

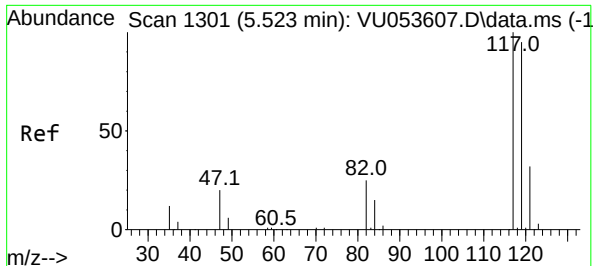
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 41.9 31.0 46.4

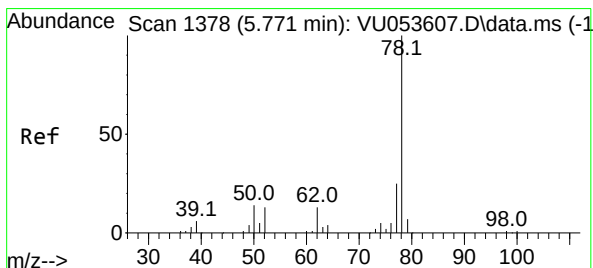
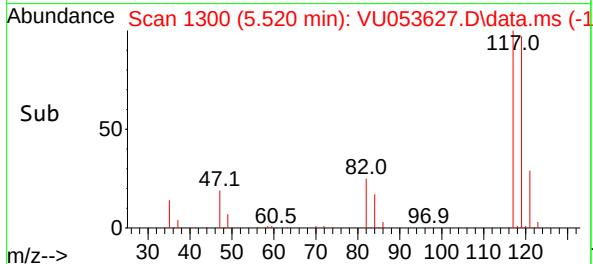
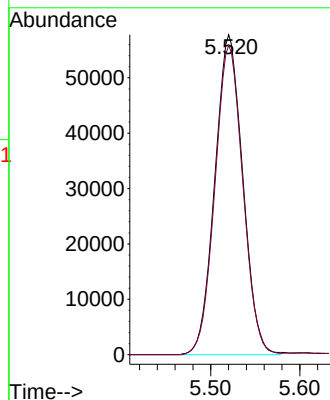
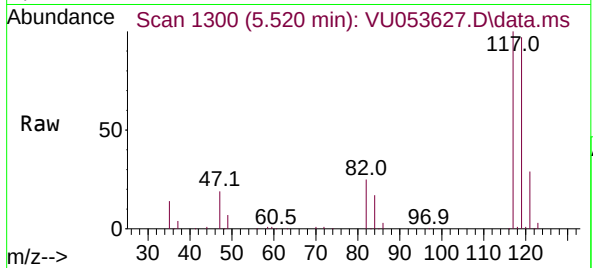




#31
Carbon tetrachloride
Concen: 55.227 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

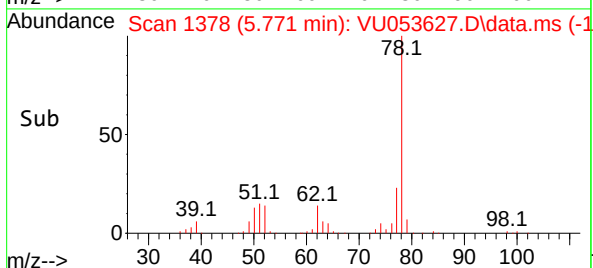
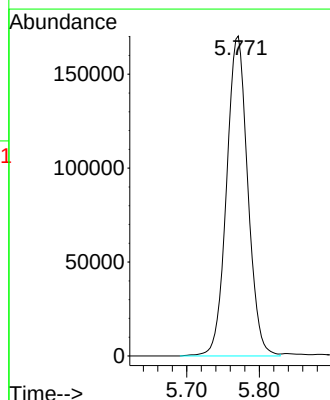
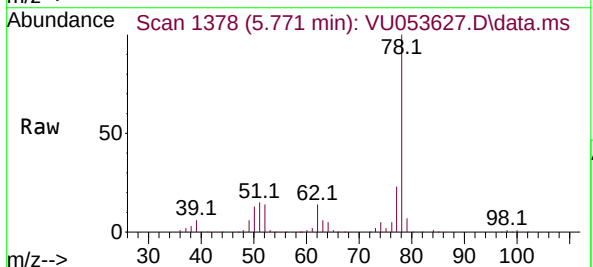
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

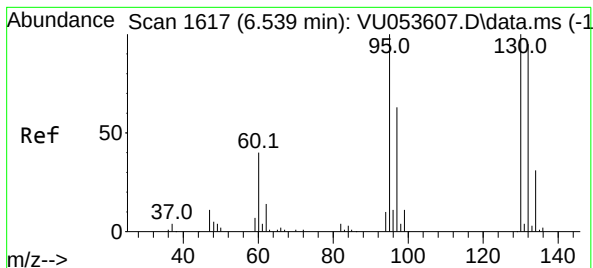
Tgt Ion:117 Resp: 125787
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3



#33
Benzene
Concen: 57.509 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 78 Resp: 345687





#34

Trichloroethene

Concen: 55.113 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

Tgt Ion: 95 Resp: 100198

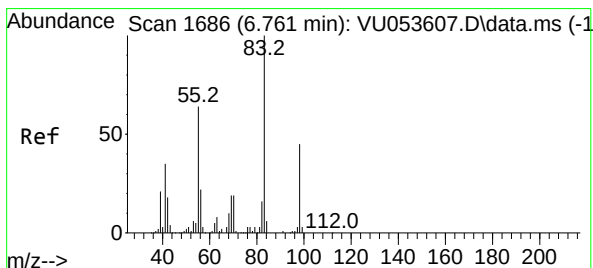
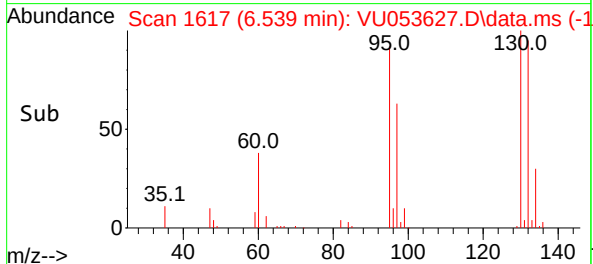
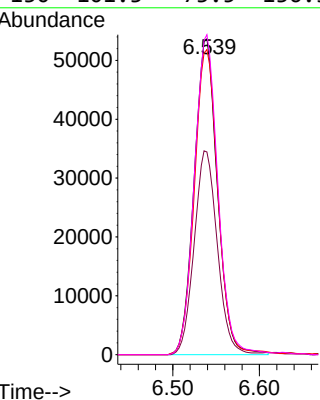
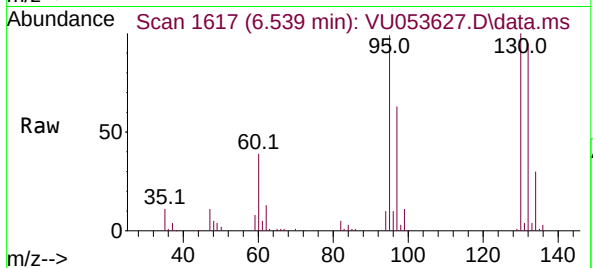
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.7

132 96.6 74.1 137.5

130 101.3 73.5 136.5



#35

Methylcyclohexane

Concen: 55.408 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

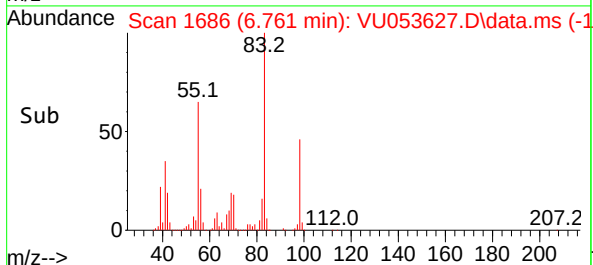
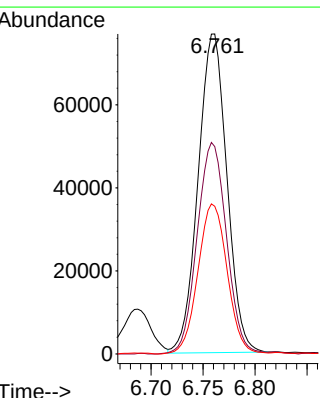
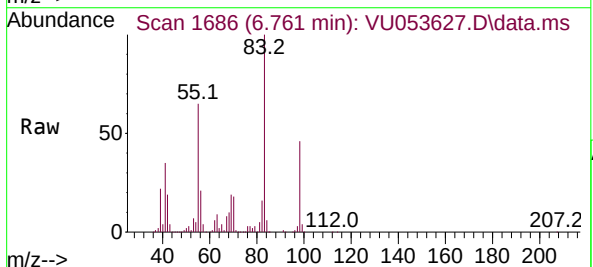
Tgt Ion: 83 Resp: 148072

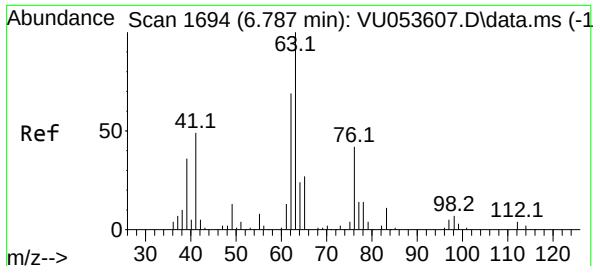
Ion Ratio Lower Upper

83 100

55 67.9 53.0 79.6

98 47.8 39.0 58.6

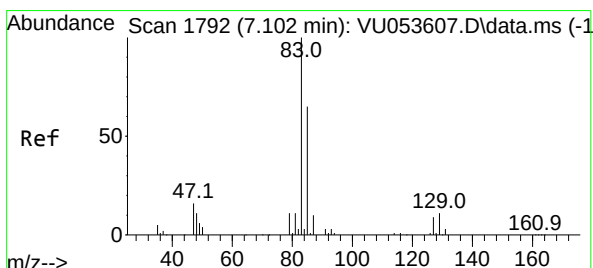
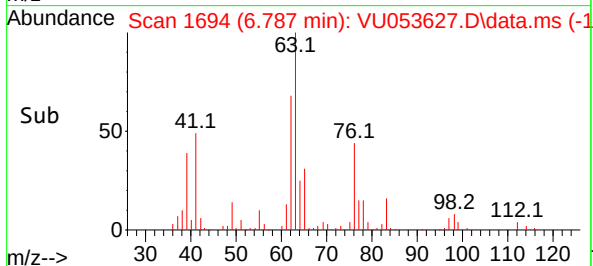
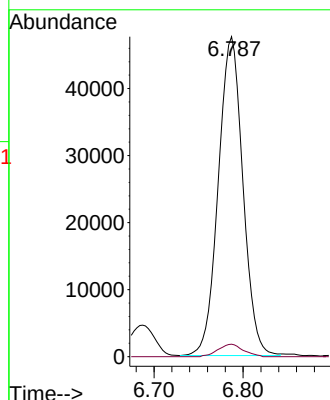
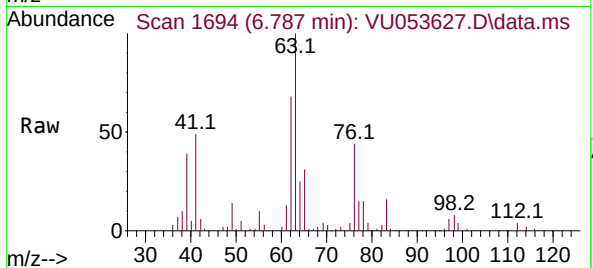




#37
1,2-Dichloropropane
Concen: 59.697 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

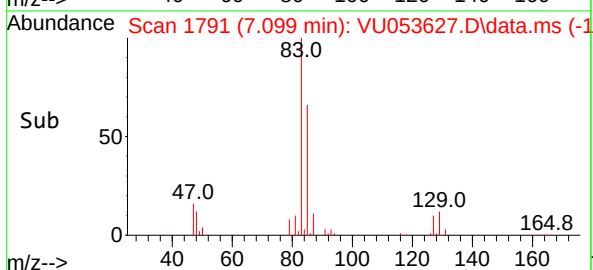
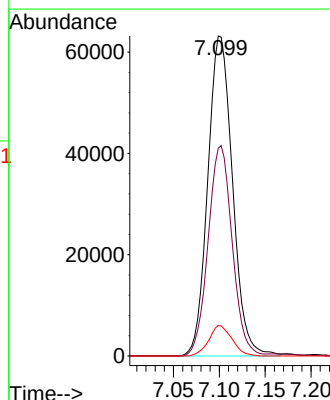
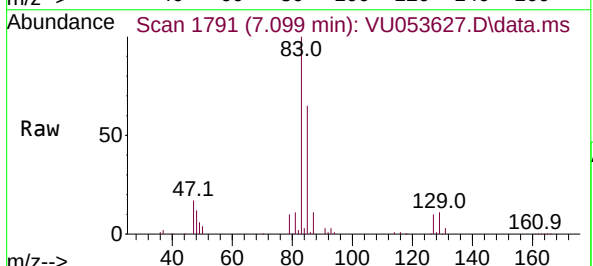
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

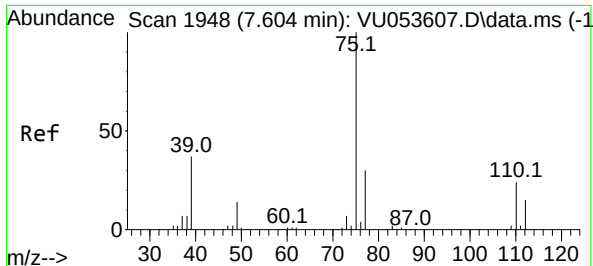
Tgt Ion: 63 Resp: 91115
Ion Ratio Lower Upper
63 100
112 4.0 3.8 5.6



#38
Bromodichloromethane
Concen: 58.333 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 83 Resp: 118774
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5
127 9.5 8.0 12.0

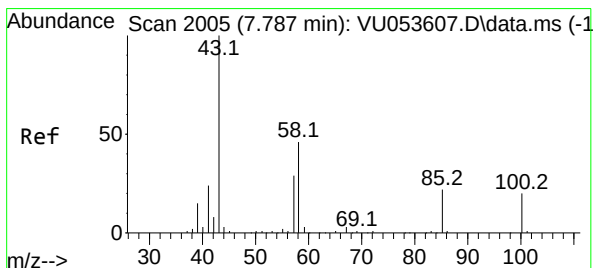
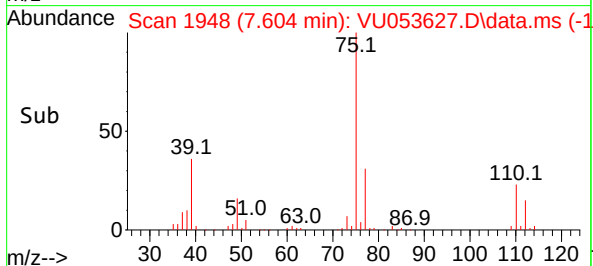
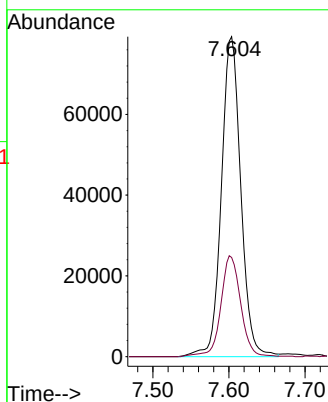
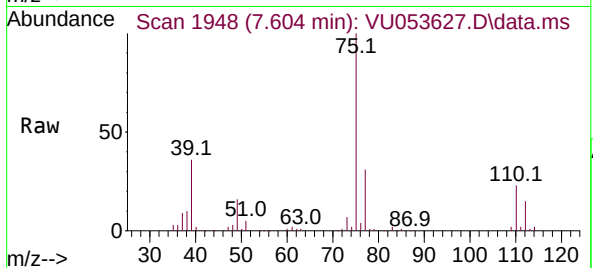




#39
 cis-1,3-Dichloropropene
 Concen: 56.370 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

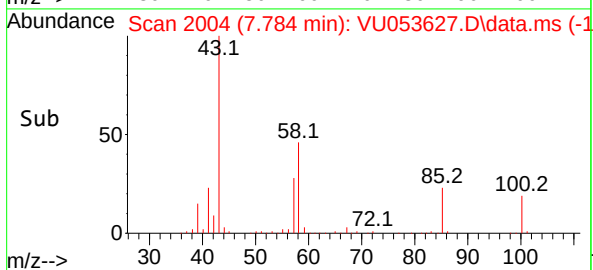
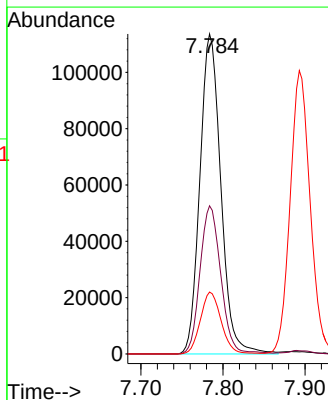
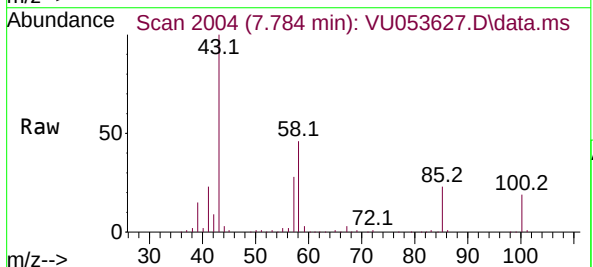
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

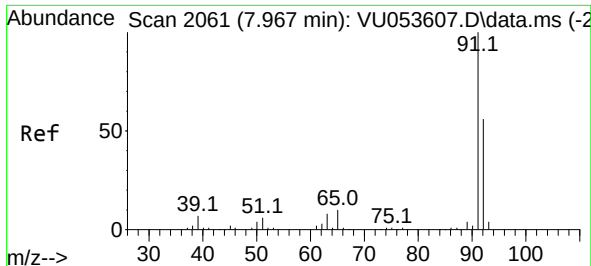
Tgt Ion: 75 Resp: 140598
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 121.656 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. -0.003 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

Tgt Ion: 43 Resp: 201780
 Ion Ratio Lower Upper
 43 100
 58 45.4 35.5 53.3
 100 19.2 15.8 23.8





#42

Toluene

Concen: 55.712 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

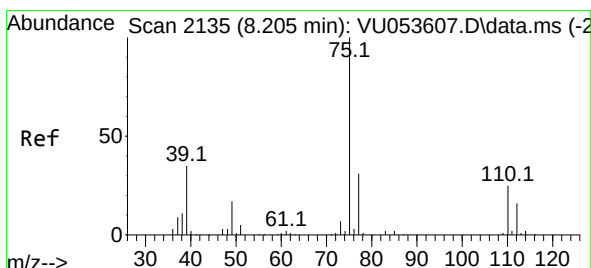
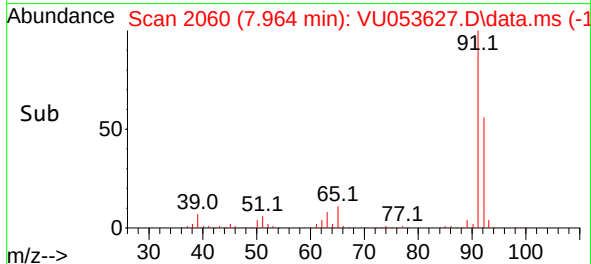
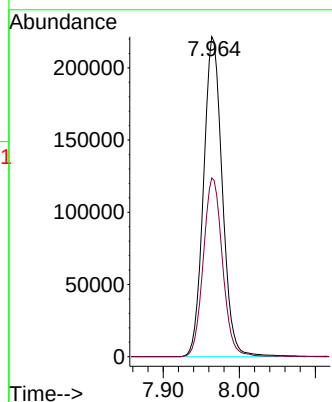
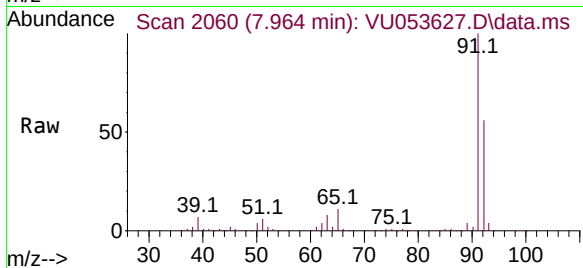
VSTD050193

Tgt Ion: 91 Resp: 379510

Ion Ratio Lower Upper

91 100

92 55.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 55.936 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053627.D

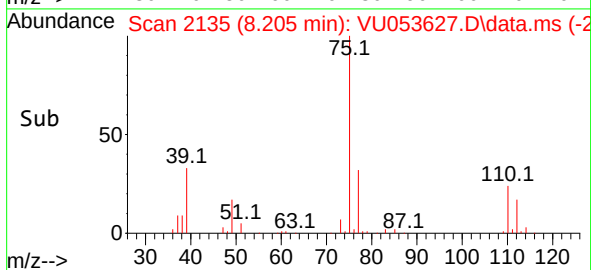
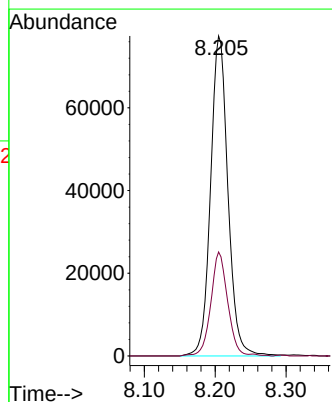
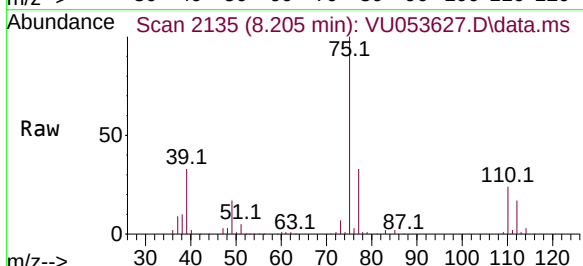
Acq: 11 Apr 2023 11:25

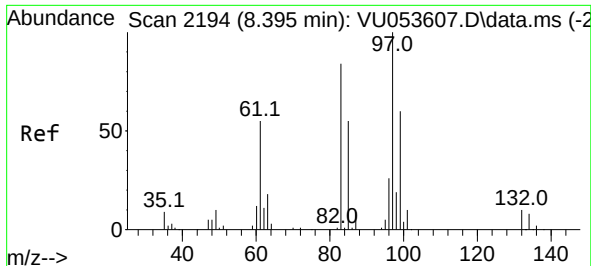
Tgt Ion: 75 Resp: 131891

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.4

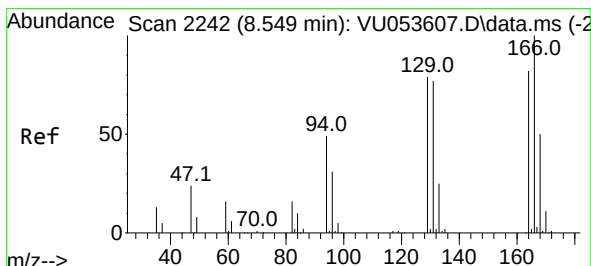
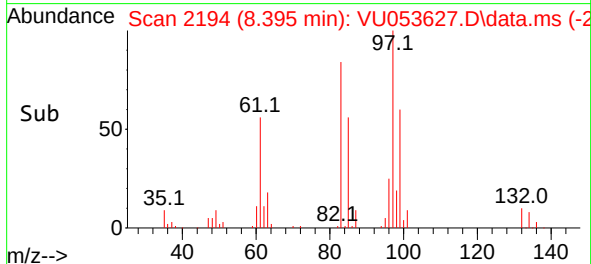
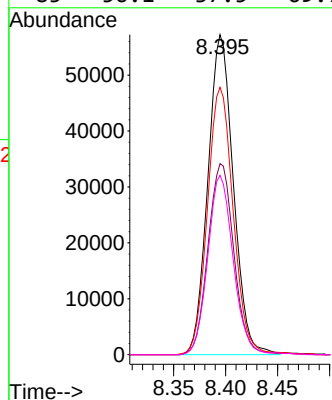
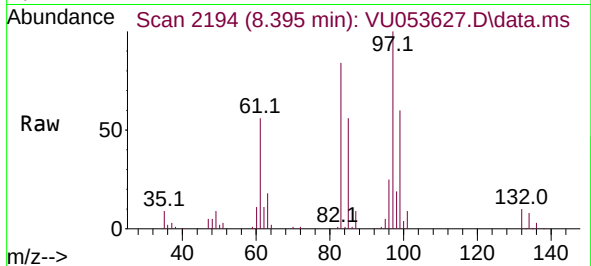




#45
1,1,2-Trichloroethane
Concen: 58.175 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

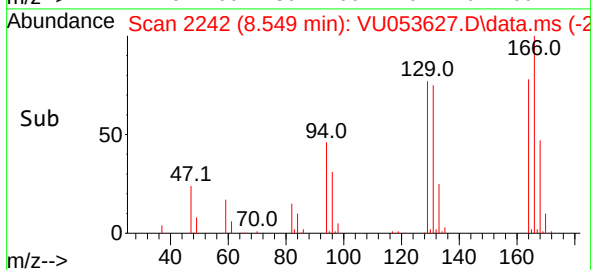
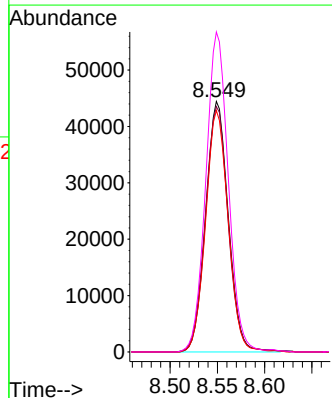
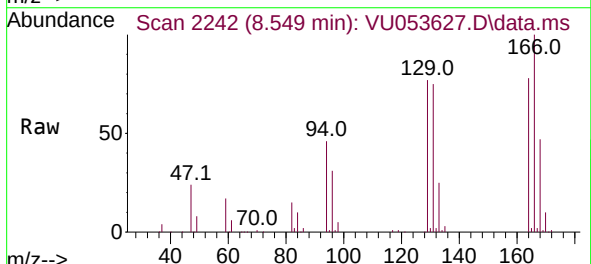
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

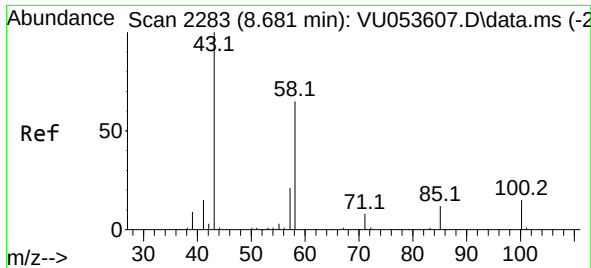
Tgt Ion:	97	Resp:	97487
Ion	Ratio	Lower	Upper
97	100		
99	59.7	43.8	81.3
83	83.6	59.0	109.6
85	56.1	37.5	69.7



#46
Tetrachloroethene
Concen: 49.011 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion:	164	Resp:	73942
Ion	Ratio	Lower	Upper
164	100		
129	97.9	64.0	119.0
131	96.4	61.9	115.1
166	127.7	90.6	168.2



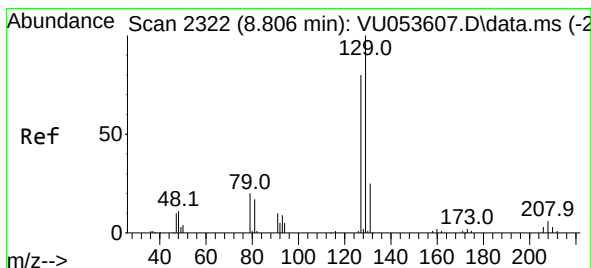
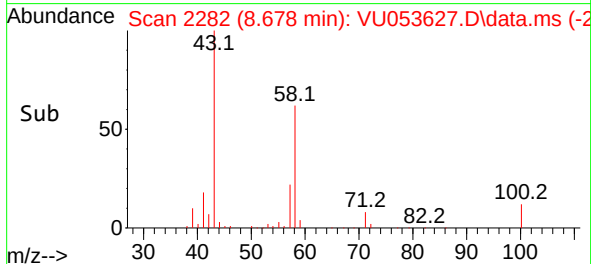
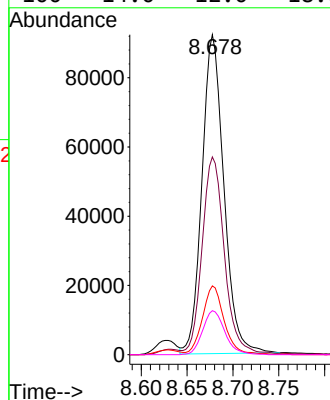
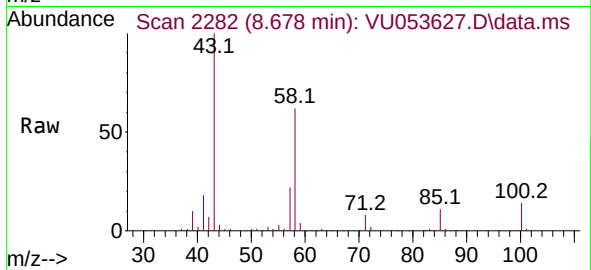


#48
2-Hexanone
Concen: 114.242 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

Tgt Ion: 43 Resp: 153277

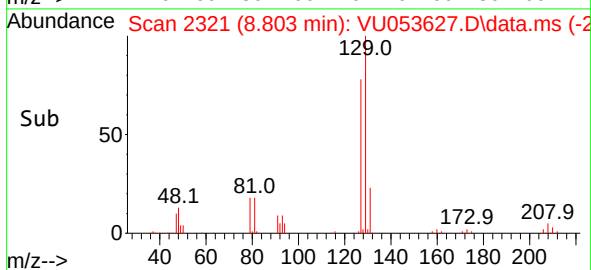
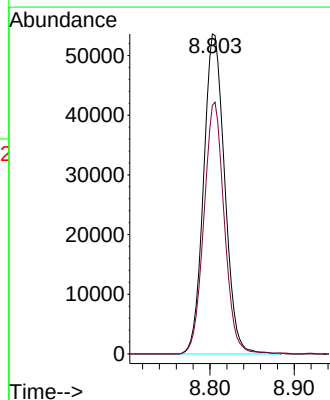
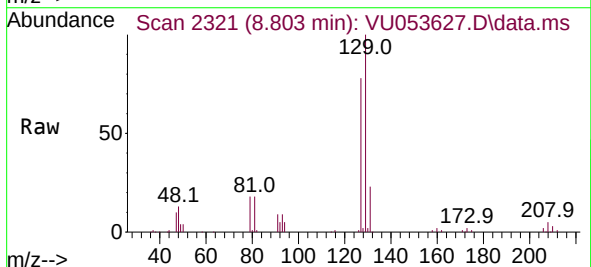
Ion	Ratio	Lower	Upper
43	100		
58	62.2	49.8	74.6
57	20.6	17.8	26.6
100	14.0	12.0	18.0

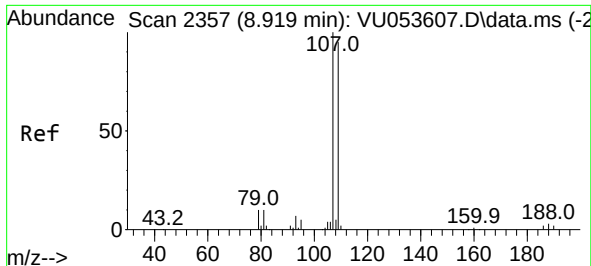


#49
Dibromochloromethane
Concen: 53.580 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 129 Resp: 93360

Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.5	99.3





#50

1,2-Dibromoethane

Concen: 55.081 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

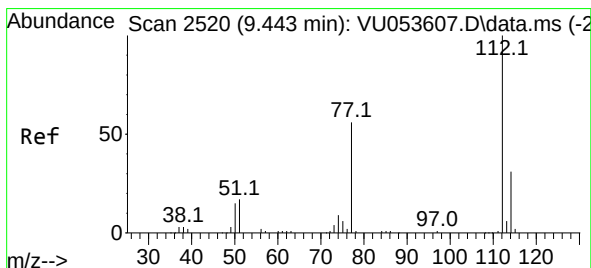
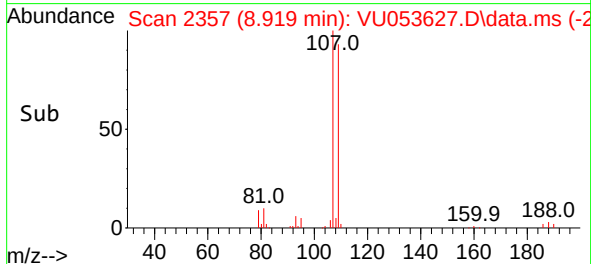
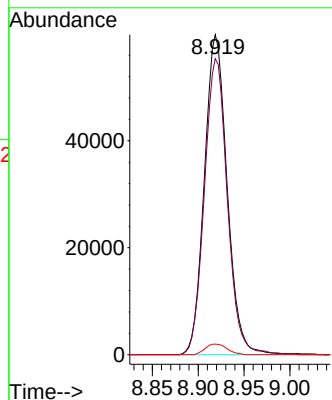
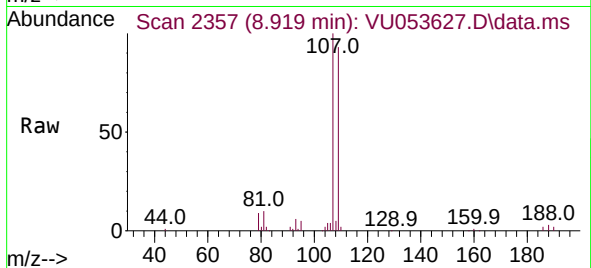
Tgt Ion:107 Resp: 103268

Ion Ratio Lower Upper

107 100

109 92.5 66.3 123.1

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 54.708 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

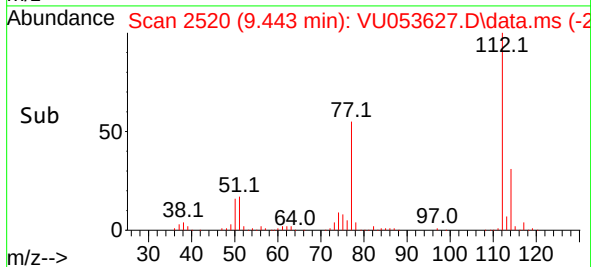
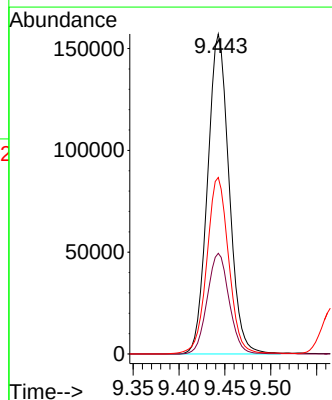
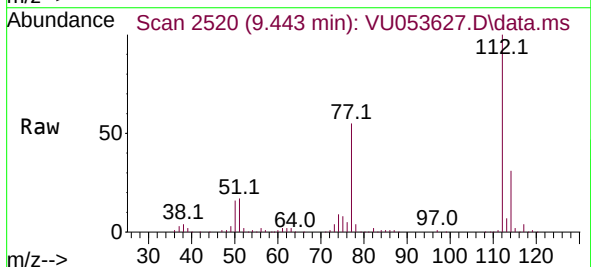
Tgt Ion:112 Resp: 256771

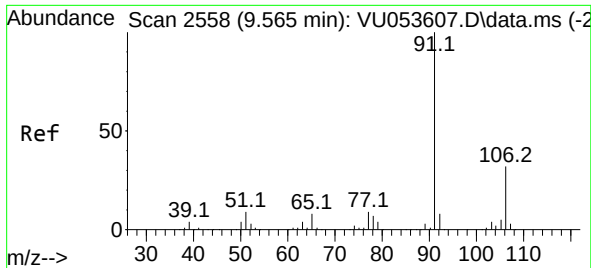
Ion Ratio Lower Upper

112 100

114 31.5 22.2 41.2

77 55.2 41.3 61.9

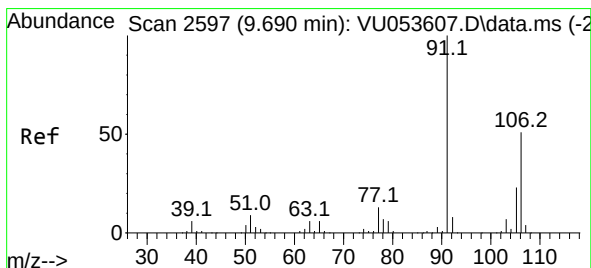
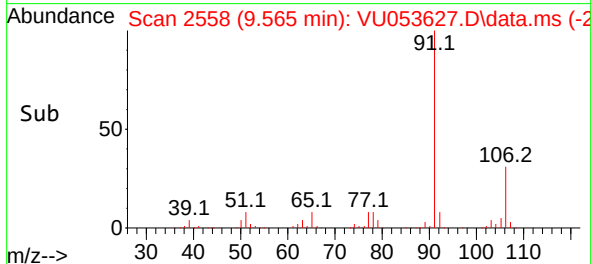
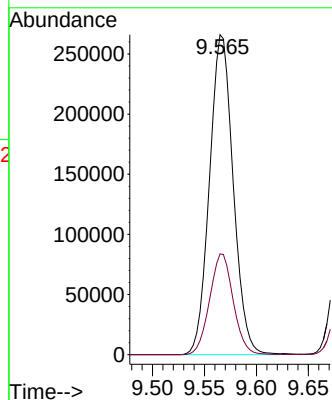
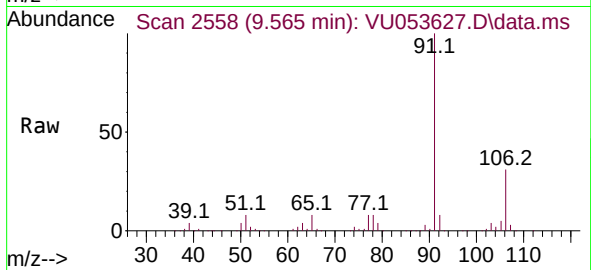




#52
Ethylbenzene
Concen: 55.621 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

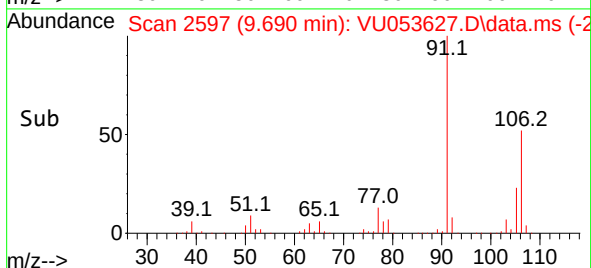
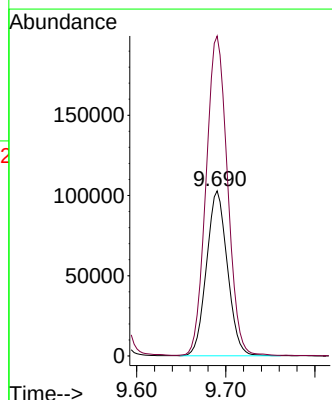
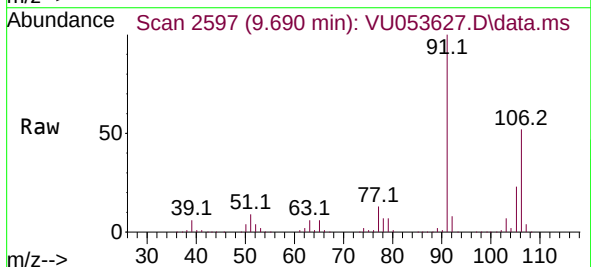
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

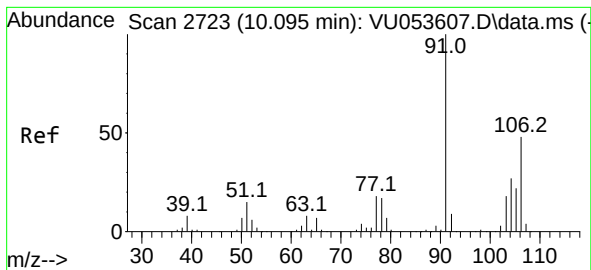
Tgt Ion: 91 Resp: 421781
Ion Ratio Lower Upper
91 100
106 31.5 22.4 41.6



#53
m,p-Xylene
Concen: 56.371 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 106 Resp: 167181
Ion Ratio Lower Upper
106 100
91 193.7 140.0 260.0





#54

o-Xylene

Concen: 55.870 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

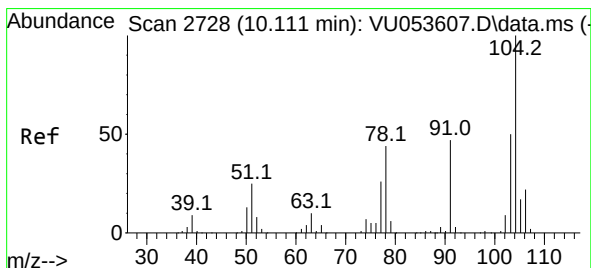
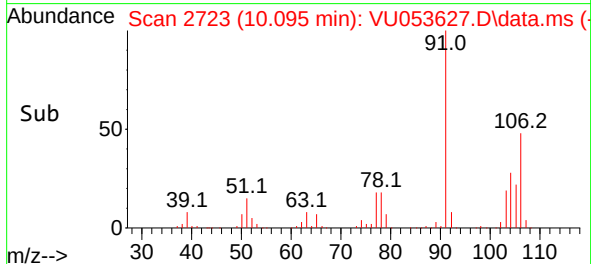
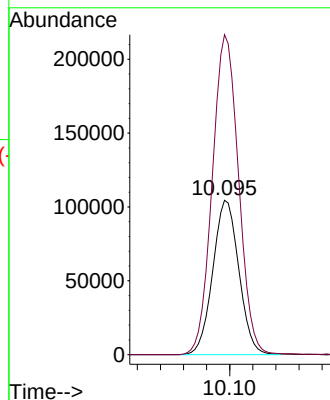
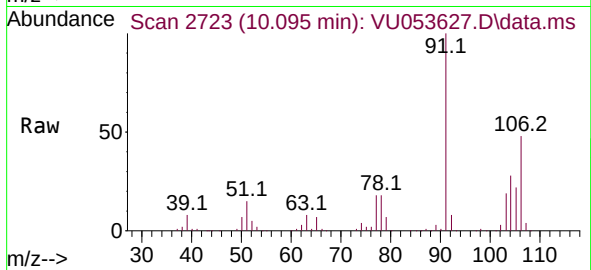
VSTD050193

Tgt Ion:106 Resp: 163823

Ion Ratio Lower Upper

106 100

91 207.2 144.9 269.1



#55

Styrene

Concen: 57.217 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053627.D

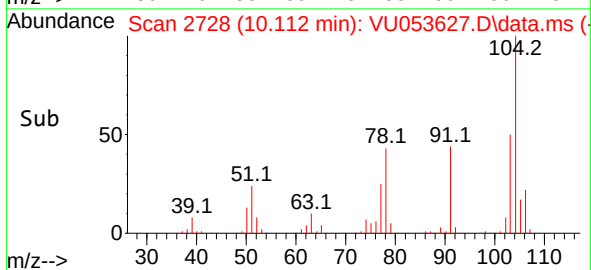
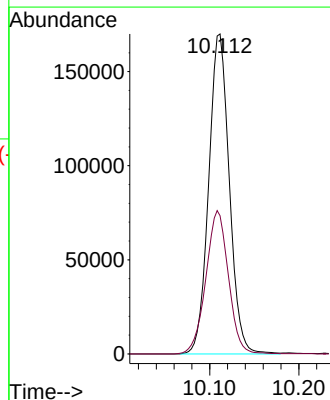
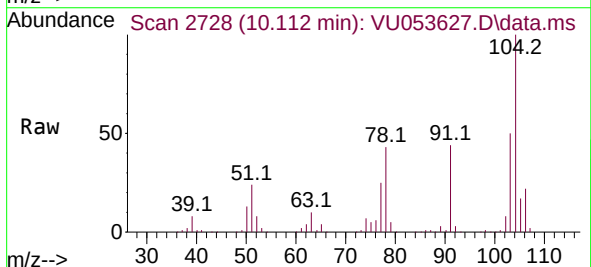
Acq: 11 Apr 2023 11:25

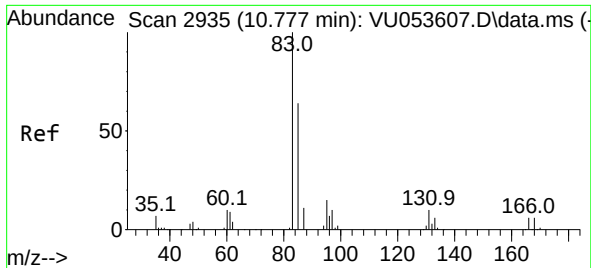
Tgt Ion:104 Resp: 273266

Ion Ratio Lower Upper

104 100

78 43.2 31.3 58.1

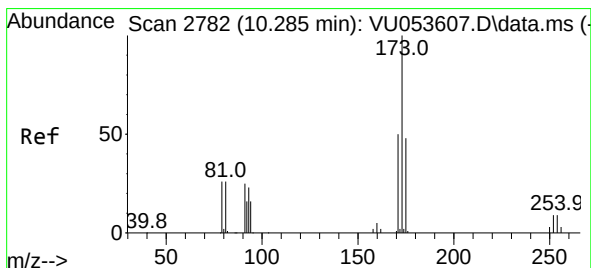
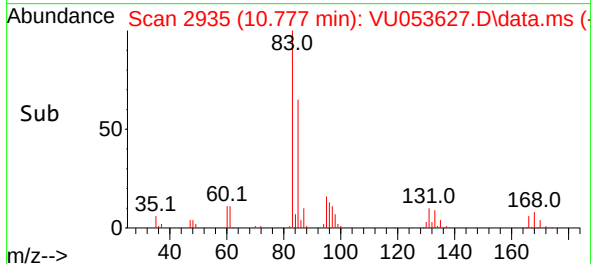
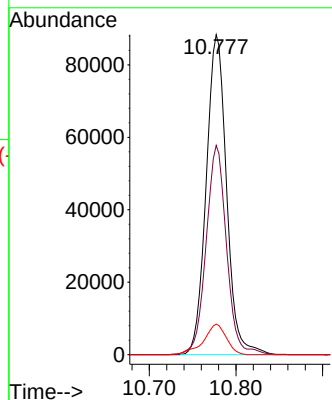
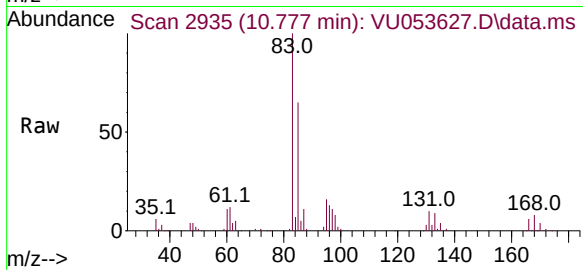




#57
 1,1,2,2-Tetrachloroethane
 Concen: 58.666 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

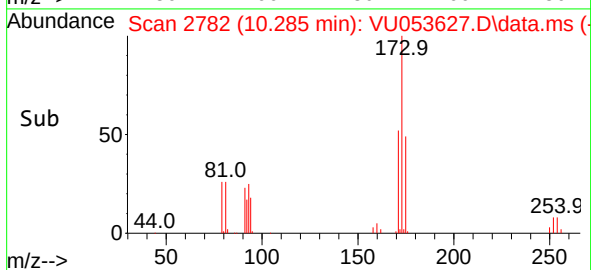
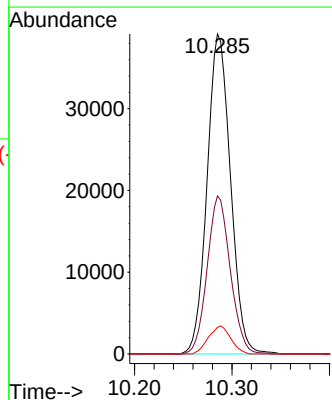
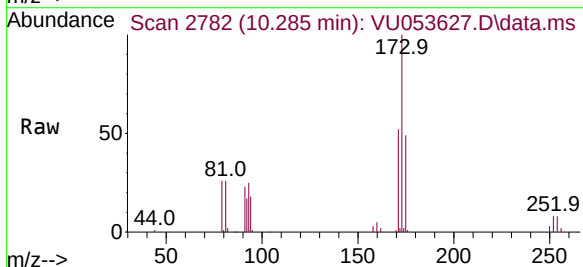
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

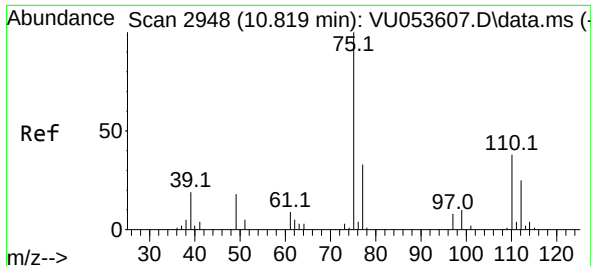
Tgt Ion: 83 Resp: 144343
 Ion Ratio Lower Upper
 83 100
 85 65.4 47.0 87.4
 131 9.6 8.7 13.1



#59
 Bromoform
 Concen: 51.152 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

Tgt Ion: 173 Resp: 65382
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.6
 254 8.3 7.0 10.4

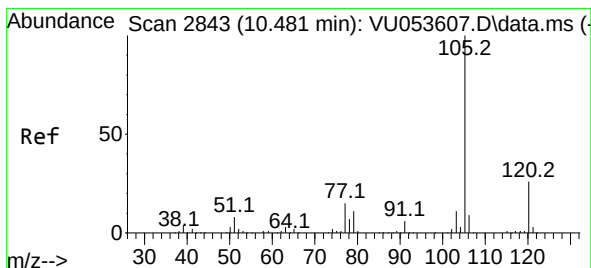
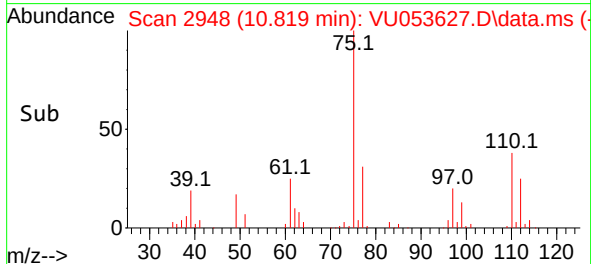
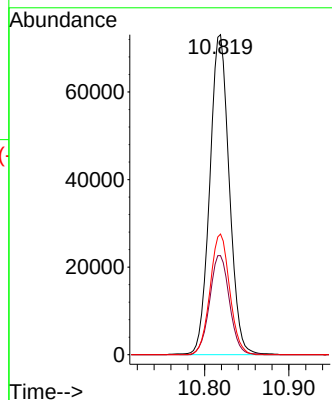
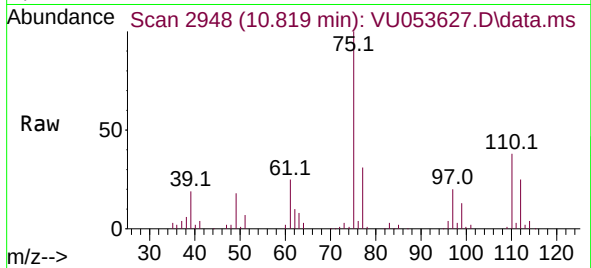




#60
1,2,3-Trichloropropane
Concen: 64.901 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

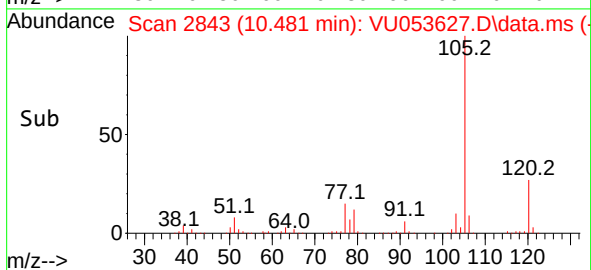
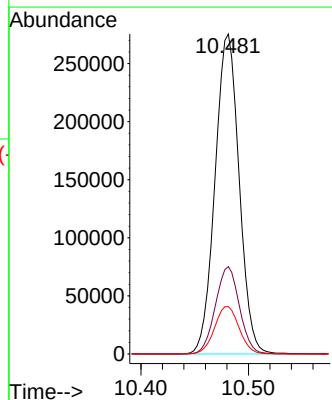
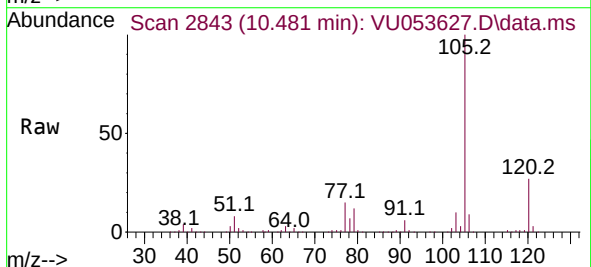
Instrument :
MSVOA_U
ClientSampleId :
VSTD050193

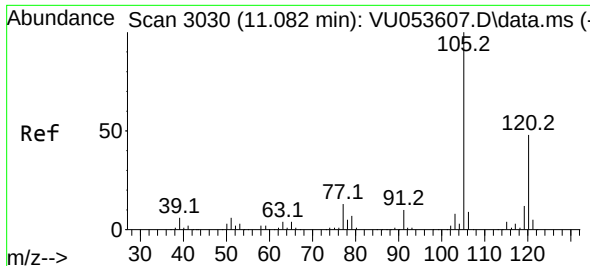
Tgt Ion: 75 Resp: 117515
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
110 37.9 32.6 48.8



#61
Isopropylbenzene
Concen: 58.046 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU053627.D
Acq: 11 Apr 2023 11:25

Tgt Ion: 105 Resp: 428558
Ion Ratio Lower Upper
105 100
120 27.2 22.4 33.6
77 15.1 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 58.491 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

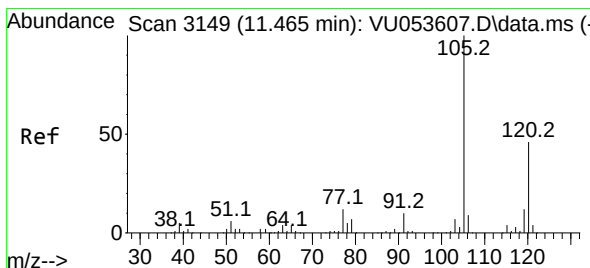
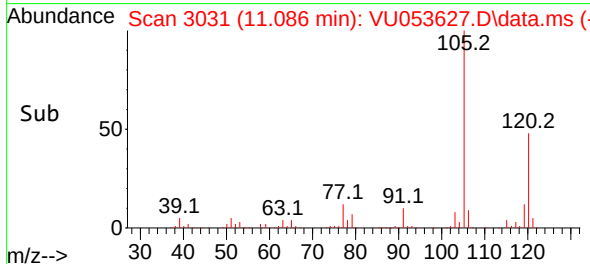
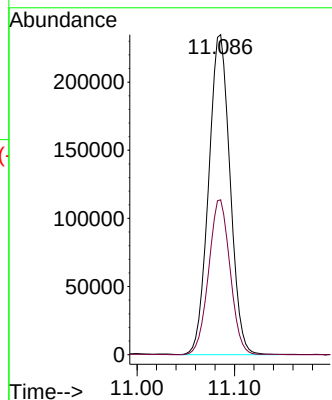
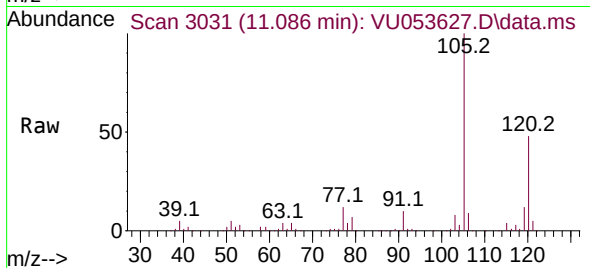
VSTD050193

Tgt Ion:105 Resp: 358986

Ion Ratio Lower Upper

105 100

120 48.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 58.681 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU053627.D

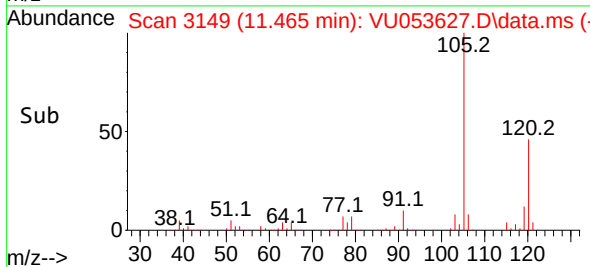
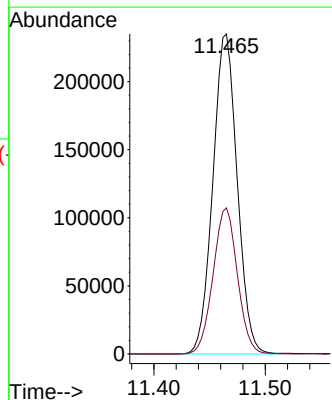
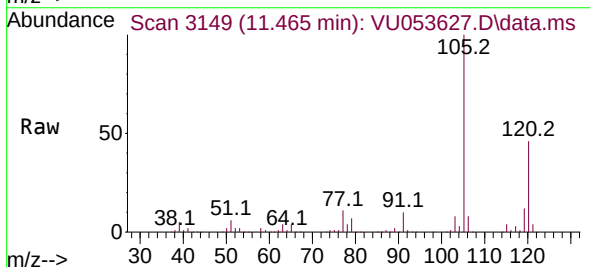
Acq: 11 Apr 2023 11:25

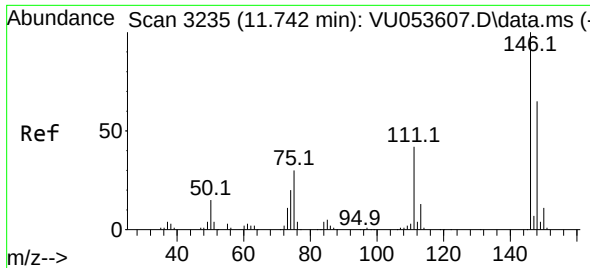
Tgt Ion:105 Resp: 356710

Ion Ratio Lower Upper

105 100

120 45.6 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 52.360 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

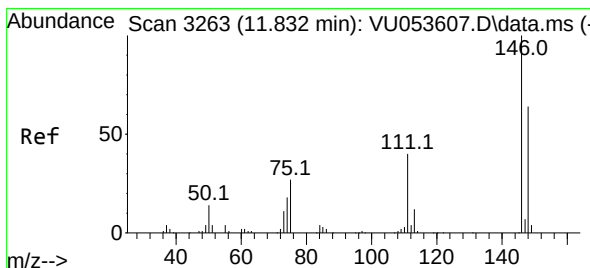
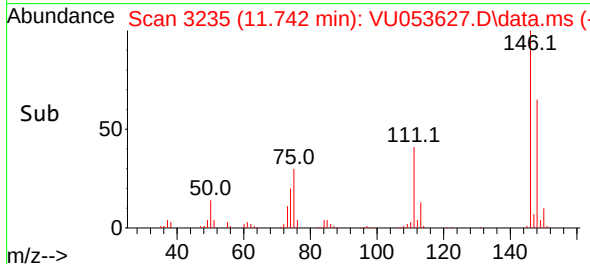
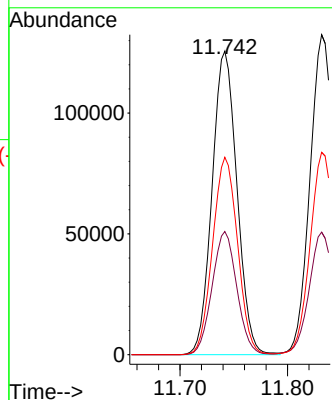
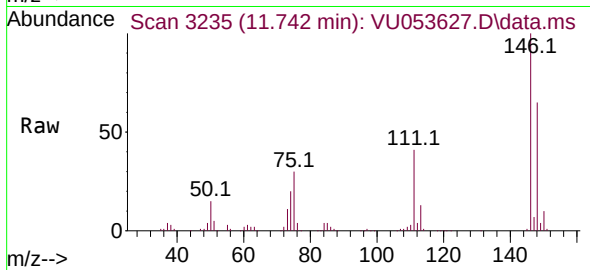
Tgt Ion:146 Resp: 201998

Ion Ratio Lower Upper

146 100

111 40.6 25.7 47.7

148 65.1 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 53.952 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

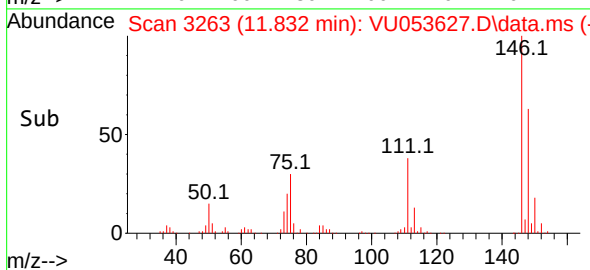
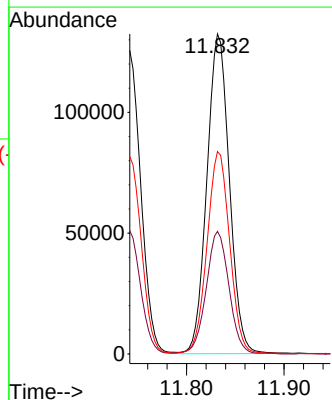
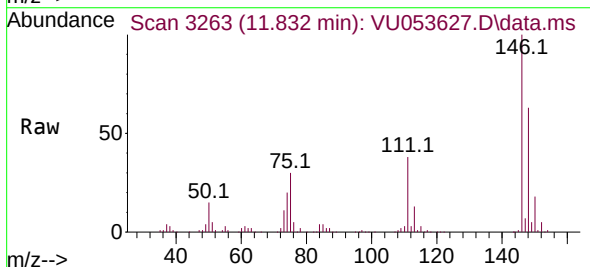
Tgt Ion:146 Resp: 212131

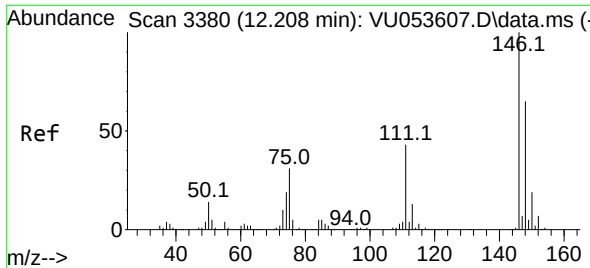
Ion Ratio Lower Upper

146 100

111 38.3 25.1 46.5

148 63.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 52.539 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

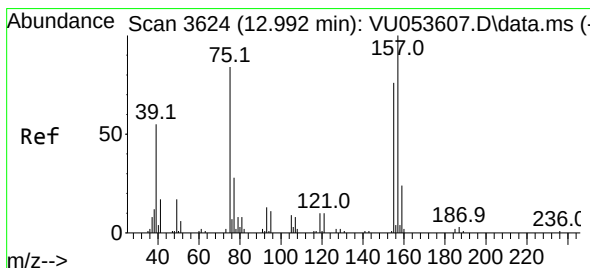
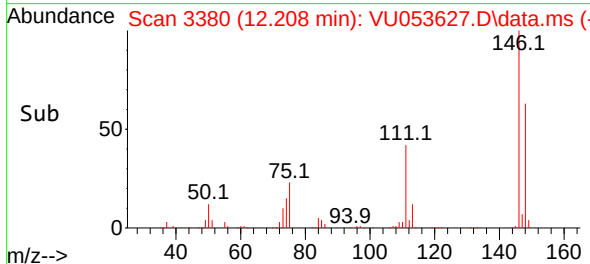
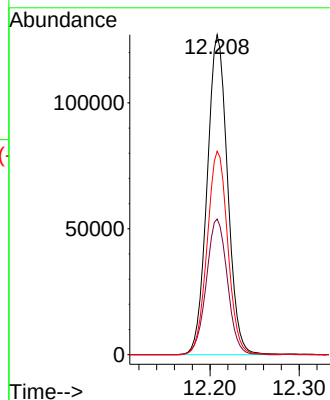
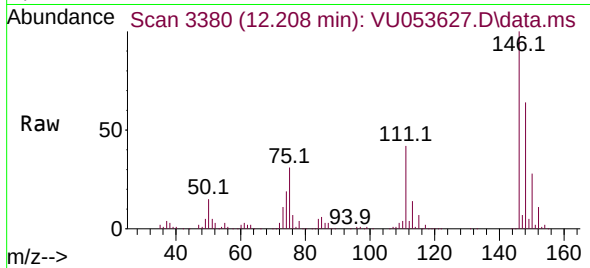
Tgt Ion:146 Resp: 202008

Ion Ratio Lower Upper

146 100

111 42.4 31.5 47.3

148 63.6 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 62.150 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

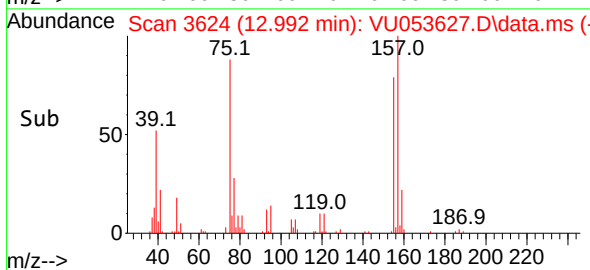
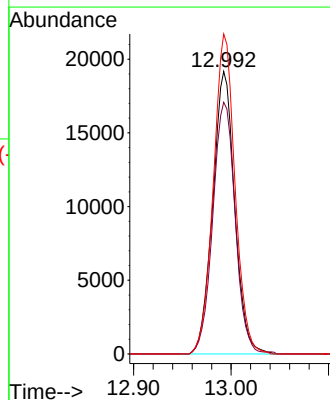
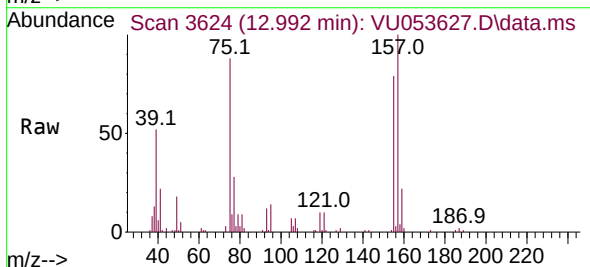
Tgt Ion: 75 Resp: 30000

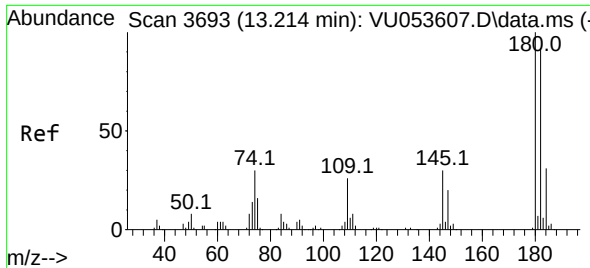
Ion Ratio Lower Upper

75 100

155 89.1 79.9 119.9

157 113.3 100.8 151.2

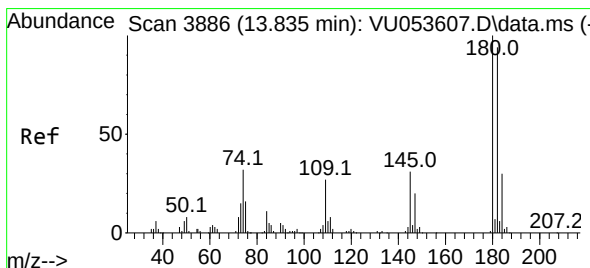
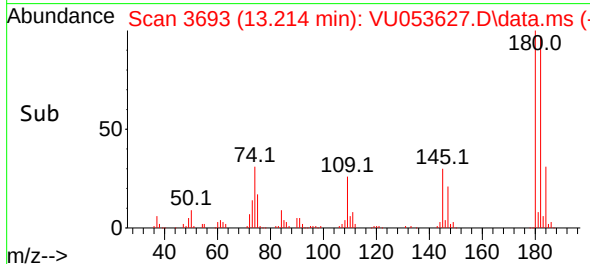
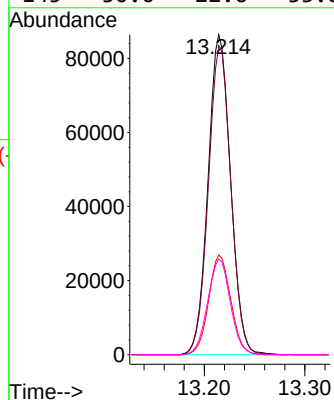
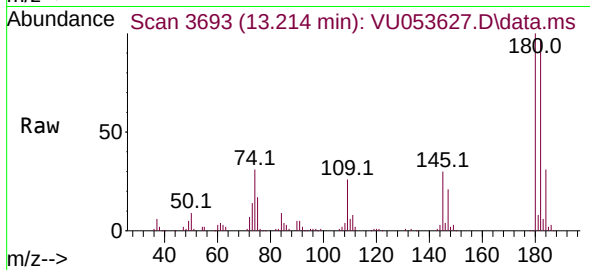




#69
 1,3,5-Trichlorobenzene
 Concen: 47.122 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

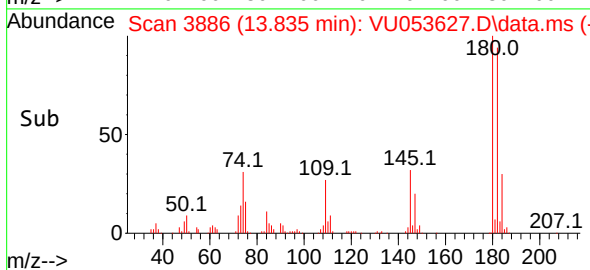
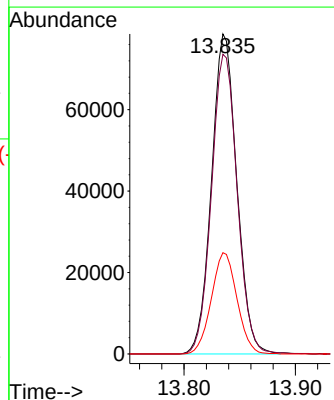
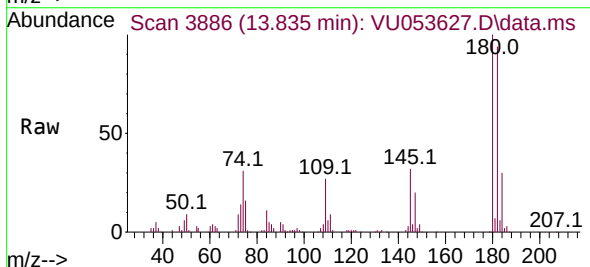
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

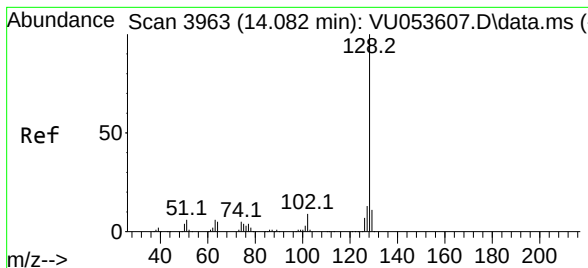
Tgt Ion:180 Resp: 134619
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.6 113.4
 184 30.5 24.2 36.2
 145 30.0 22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 46.776 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053627.D
 Acq: 11 Apr 2023 11:25

Tgt Ion:180 Resp: 123894
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.8
 145 32.1 23.4 35.2





#71

Naphthalene

Concen: 50.748 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD050193

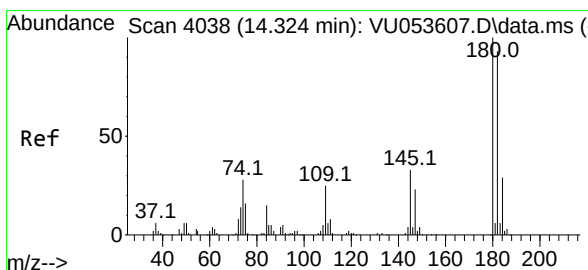
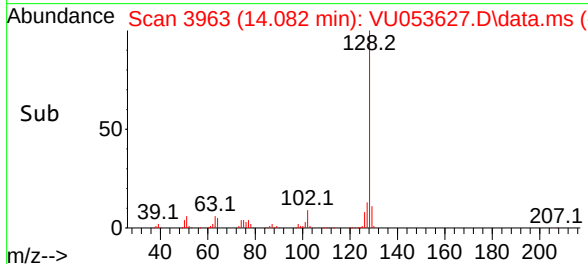
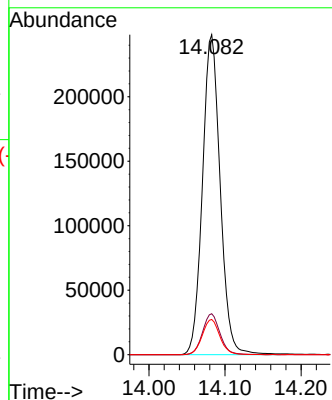
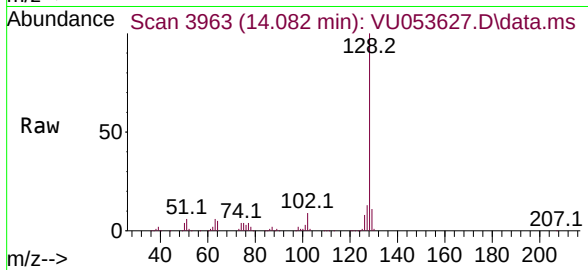
Tgt Ion:128 Resp: 402322

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 47.775 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053627.D

Acq: 11 Apr 2023 11:25

Tgt Ion:180 Resp: 126390

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 32.9 25.4 38.0

