

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122022\
 Data File : VU052464.D
 Acq On : 20 Dec 2022 17:32
 Operator : JC/MD
 Sample : VSTD02078
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

Quant Time: Dec 21 03:25:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	196471	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	186058	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	100489	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	409408	20.568	ug/L	0.00
7) Chloroethane-d5	1.916	69	339495	19.777	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	172054	20.088	ug/L	0.00
20) 2-Butanone-d5	4.645	46	1377413	223.695	ug/L	0.00
24) Chloroform-d	5.060	84	678831	20.213	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	380641	19.541	ug/L	0.00
32) Benzene-d6	5.723	84	1391286	21.811	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	467183	21.276	ug/L	0.00
41) Toluene-d8	7.893	98	1222781	22.834	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	176995	23.539	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	1100561	267.530	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	406504	21.804	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	434378	21.232	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	347584	19.882	ug/L	99
3) Chloromethane	1.523	50	470242	18.635	ug/L	100
5) Vinyl chloride	1.604	62	460457	20.130	ug/L	97
6) Bromomethane	1.858	94	254066	19.483	ug/L	100
8) Chloroethane	1.935	64	283359	18.086	ug/L	97
9) Trichlorofluoromethane	2.141	101	516352	19.965	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	299272	19.467	ug/L	100
12) 1,1-Dichloroethene	2.578	96	289448	19.671	ug/L	89
13) Acetone	2.671	43	821791	179.450	ug/L	99
14) Carbon disulfide	2.793	76	949242	20.021	ug/L	100
15) Methyl Acetate	2.961	43	196998	19.855	ug/L	96
16) Methylene chloride	3.044	84	351523	16.912	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	848375	21.598	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	315103	20.779	ug/L	100
19) 1,1-Dichloroethane	3.867	63	657499	19.937	ug/L	99
21) 2-Butanone	4.723	43	1410969	212.952	ug/L	95
22) cis-1,2-Dichloroethene	4.662	96	356192	21.403	ug/L	97
23) Bromochloromethane	4.970	128	155885	20.212	ug/L	98
25) Chloroform	5.083	83	625642	19.580	ug/L	99
27) 1,2-Dichloroethane	5.790	62	436638	19.779	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	497799	21.257	ug/L	98
30) Cyclohexane	5.385	56	604160	23.875	ug/L	99
31) Carbon tetrachloride	5.523	117	428499	20.823	ug/L	99
33) Benzene	5.771	78	1431125	21.354	ug/L	100
34) Trichloroethene	6.539	95	332044	21.194	ug/L	99
35) Methylcyclohexane	6.761	83	583732	24.708	ug/L	95
37) 1,2-Dichloropropane	6.787	63	397544	21.258	ug/L	100
38) Bromodichloromethane	7.102	83	466700	20.505	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	565067	23.858	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	3237494	236.908	ug/L	97
42) Toluene	7.967	91	1448285	22.539	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	491419	23.545	ug/L	98

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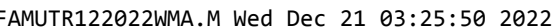
Quant Time: Dec 21 03:25:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
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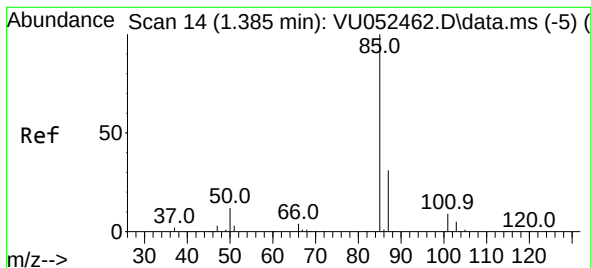
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.394	97	271141	20.472	ug/L	99
47) Tetrachloroethene	8.549	164	234442	21.438	ug/L	97
48) 2-Hexanone	8.684	43	2367912	232.162	ug/L	99
49) Dibromochloromethane	8.806	129	303529	21.642	ug/L	99
50) 1,2-Dibromoethane	8.919	107	257428	21.381	ug/L	99
51) Chlorobenzene	9.443	112	879472	21.433	ug/L	99
52) Ethylbenzene	9.565	91	1578871	23.743	ug/L	100
53) m,p-Xylene	9.690	106	595067	24.268	ug/L	99
54) o-Xylene	10.095	106	579730	24.664	ug/L	98
55) Styrene	10.108	104	1026143	25.094	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	393436	21.488	ug/L	99
59) Bromoform	10.288	173	178877	20.260	ug/L	98
60) Isopropylbenzene	10.481	105	1535336	23.573	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	279103	19.365	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	1328999	24.741	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	1339074	24.763	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	687942	21.289	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	691155	20.681	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	668405	20.933	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	66319	20.328	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	516104	21.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	460690	23.008	ug/L	99
71) Naphthalene	14.079	128	1011294	24.962	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	443151	22.081	ug/L	100

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

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QLast Update : Wed Dec 21 03:23:31 2022
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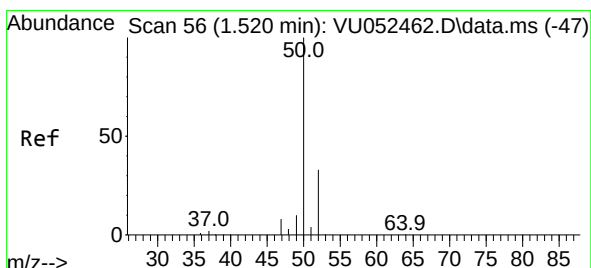
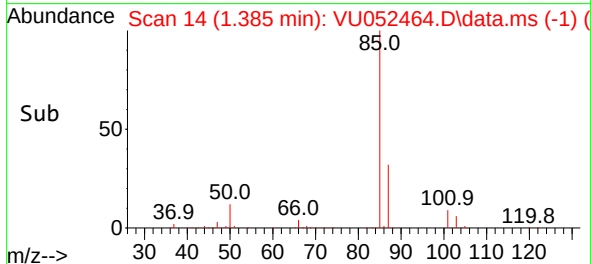
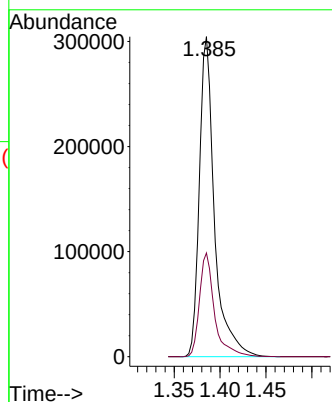
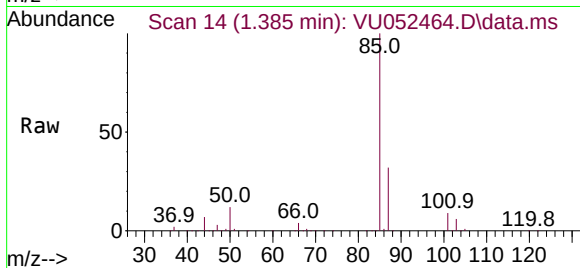




#2
Dichlorodifluoromethane
Concen: 19.882 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

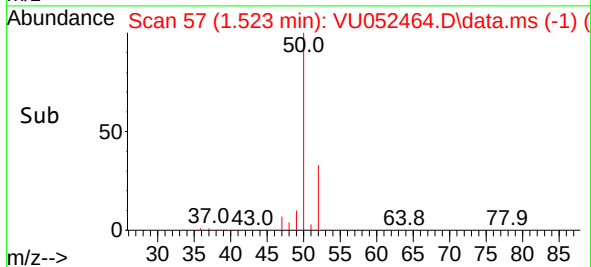
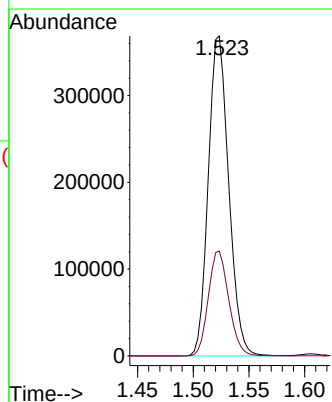
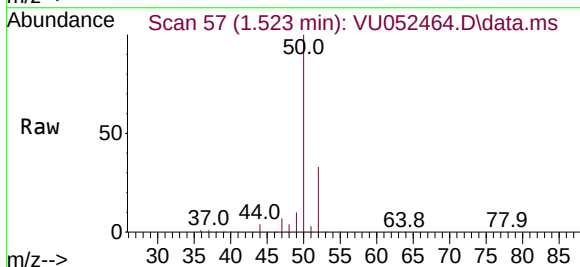
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

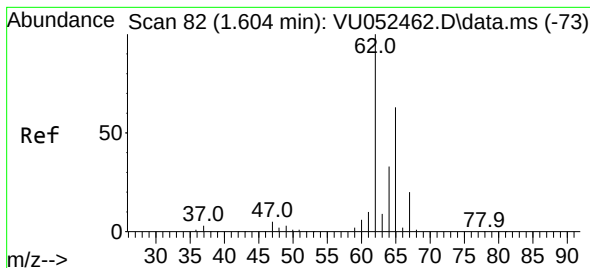
Tgt Ion: 85 Resp: 347584
Ion Ratio Lower Upper
85 100
87 32.3 25.6 38.4



#3
Chloromethane
Concen: 18.635 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 50 Resp: 470242
Ion Ratio Lower Upper
50 100
52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 20.130 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

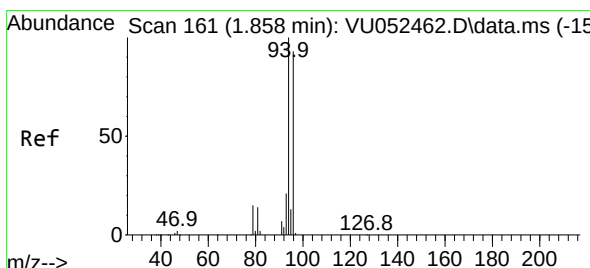
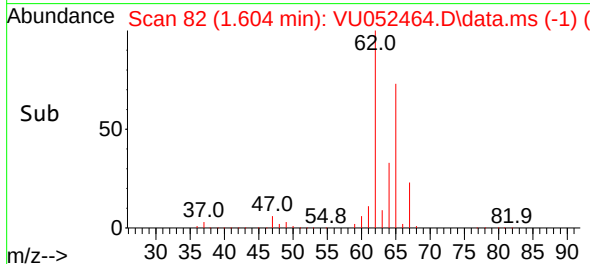
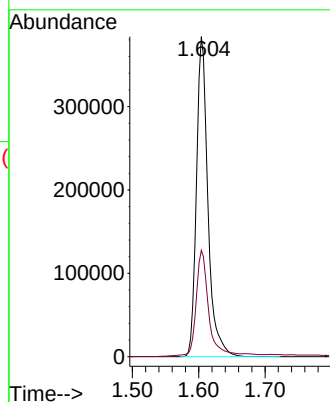
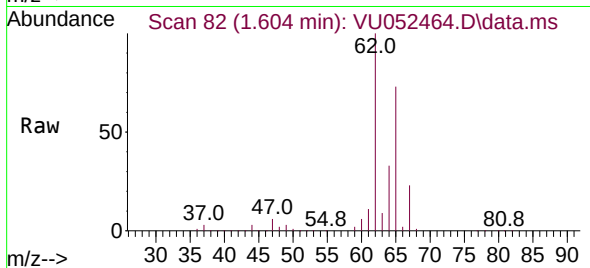
VSTD020078

Tgt Ion: 62 Resp: 460457

Ion Ratio Lower Upper

62 100

64 33.3 24.4 45.4



#6

Bromomethane

Concen: 19.483 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU052464.D

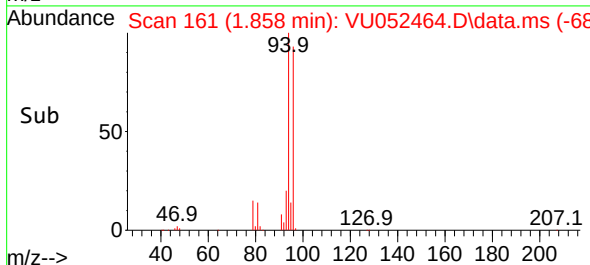
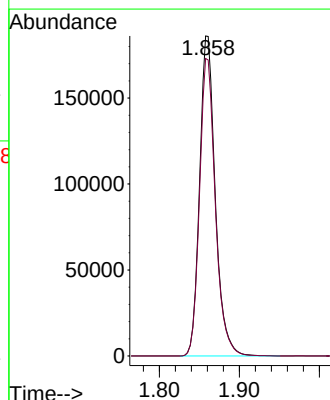
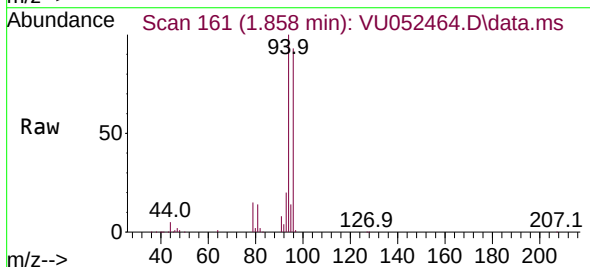
Acq: 20 Dec 2022 17:32

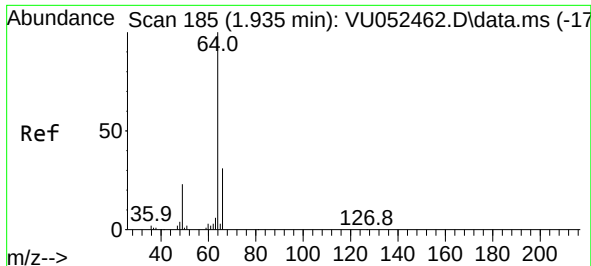
Tgt Ion: 94 Resp: 254066

Ion Ratio Lower Upper

94 100

96 93.0 65.0 120.8

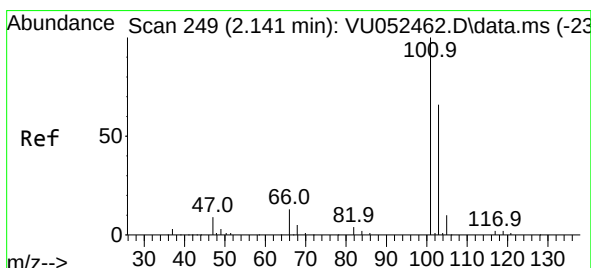
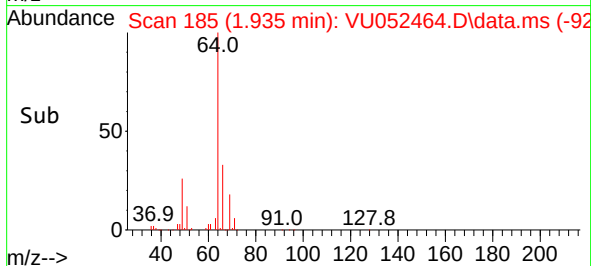
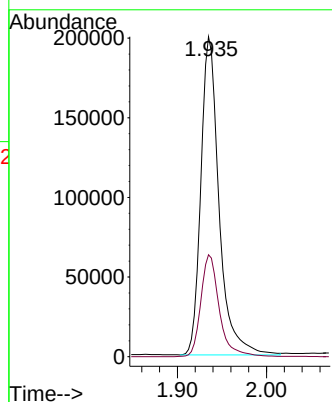
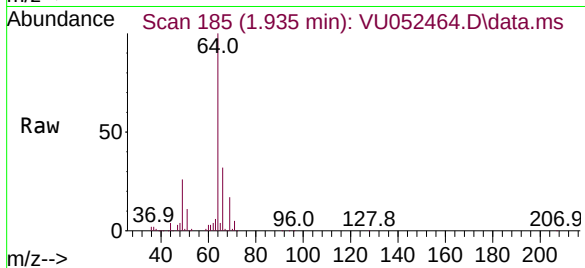




#8
Chloroethane
Concen: 18.086 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

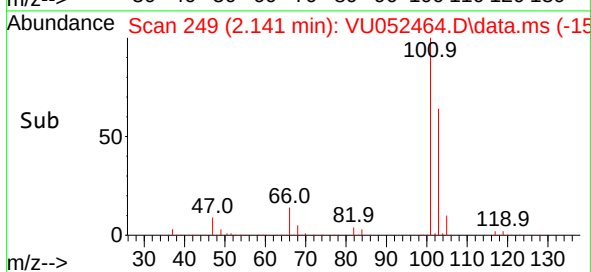
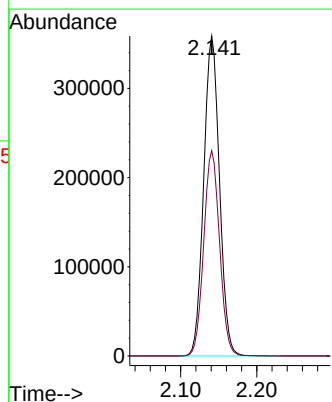
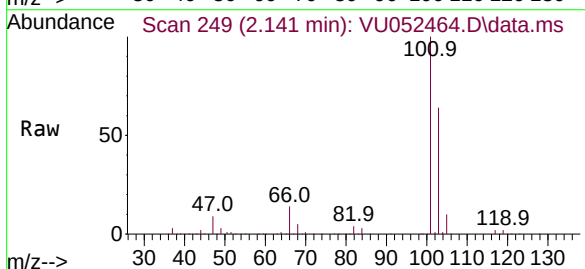
Instrument :
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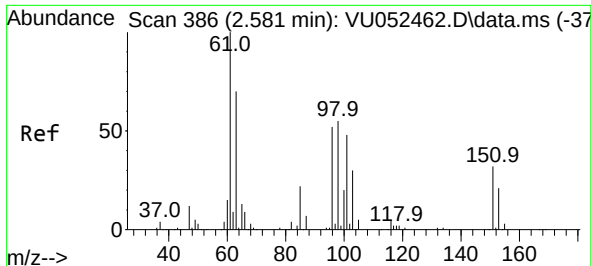
Tgt Ion: 64 Resp: 283359
Ion Ratio Lower Upper
64 100
66 31.9 21.3 39.5



#9
Trichlorofluoromethane
Concen: 19.965 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion:101 Resp: 516352
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

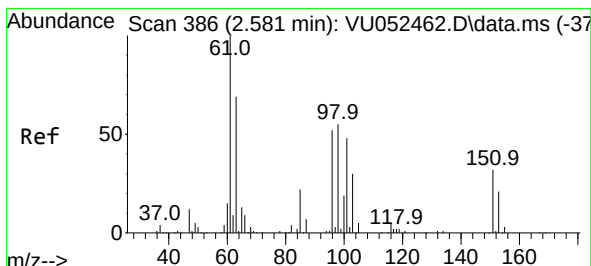
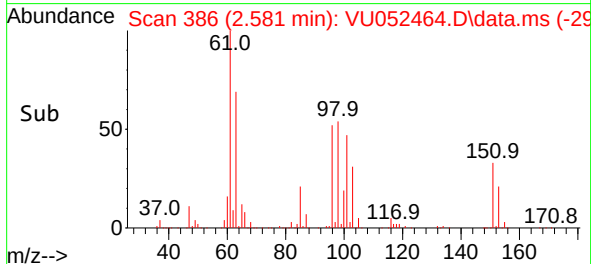
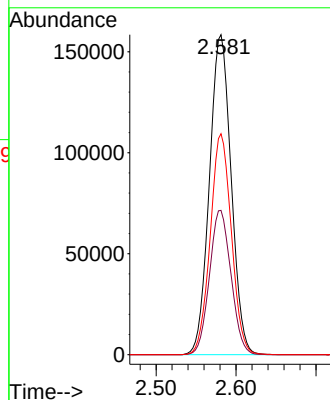
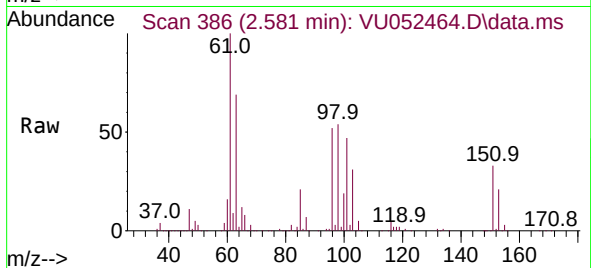




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.467 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

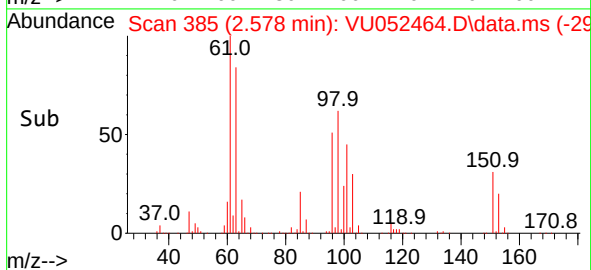
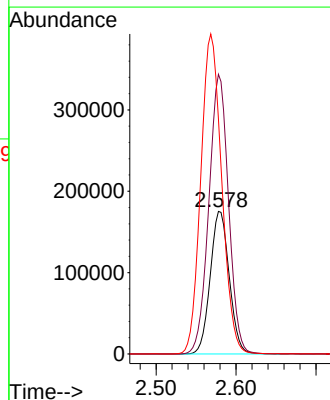
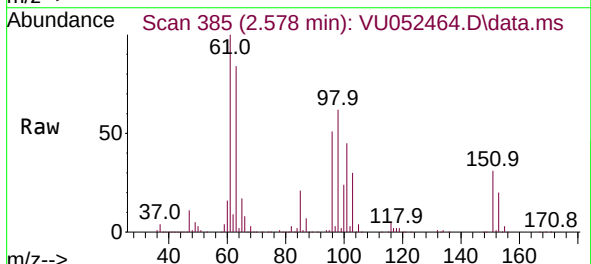
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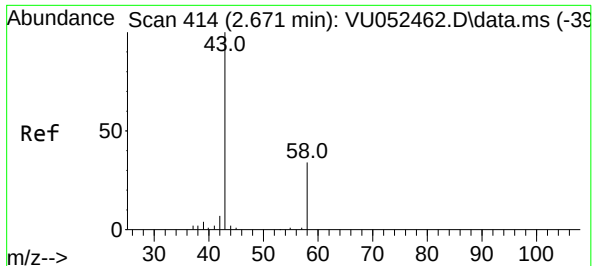
Tgt Ion:101 Resp: 299272
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.8 53.6
 151 67.2 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 19.671 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

Tgt Ion: 96 Resp: 289448
 Ion Ratio Lower Upper
 96 100
 61 196.2 135.4 251.4
 63 164.9 95.4 177.2





#13

Acetone

Concen: 179.450 ug/L

RT: 2.671 min Scan# 414

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

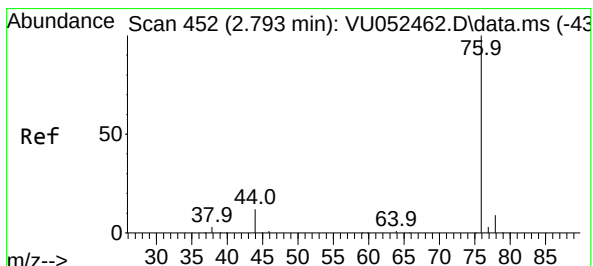
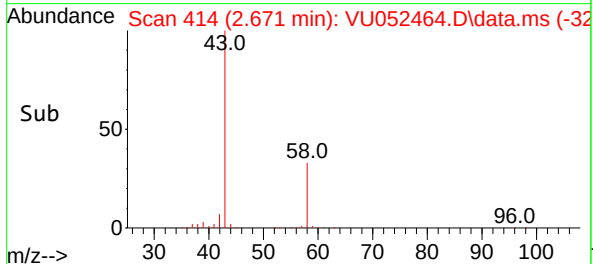
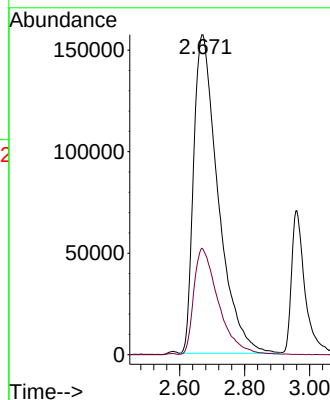
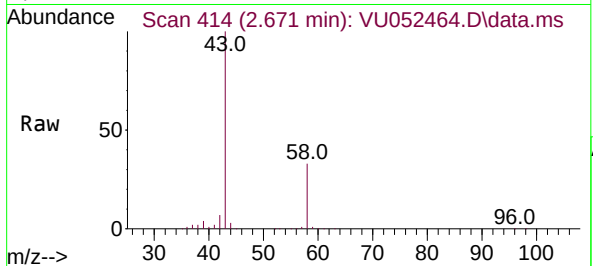
VSTD020078

Tgt Ion: 43 Resp: 821791

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.4



#14

Carbon disulfide

Concen: 20.021 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052464.D

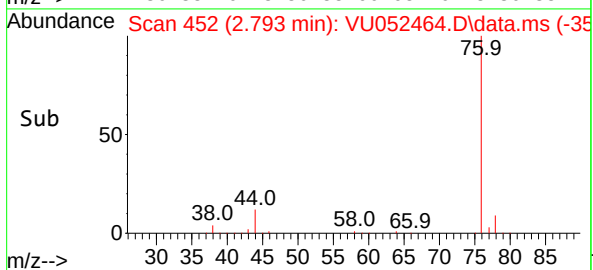
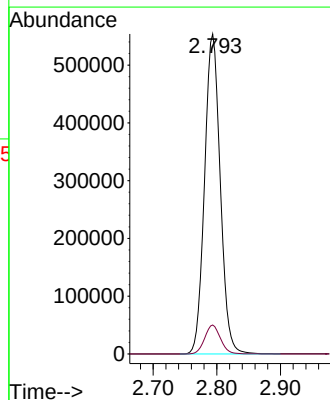
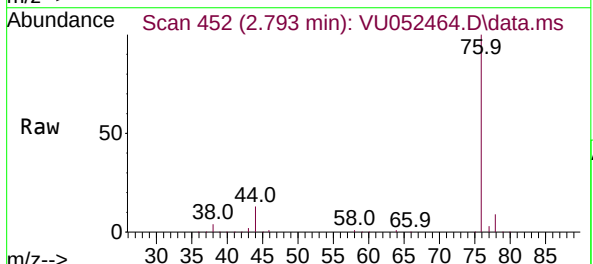
Acq: 20 Dec 2022 17:32

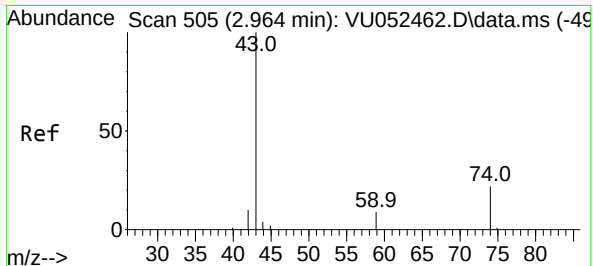
Tgt Ion: 76 Resp: 949242

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

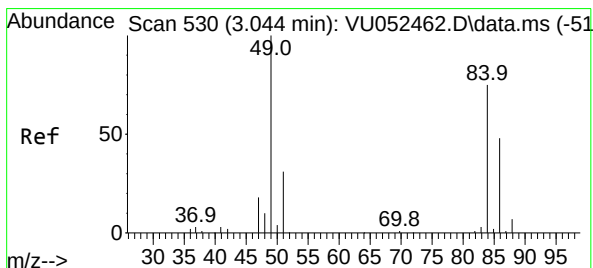
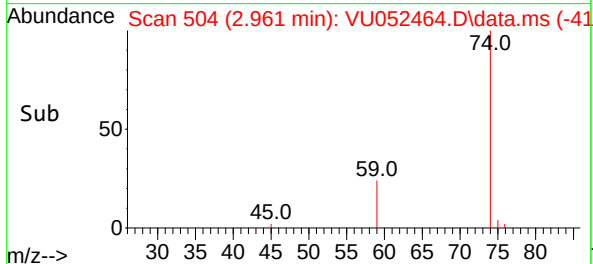
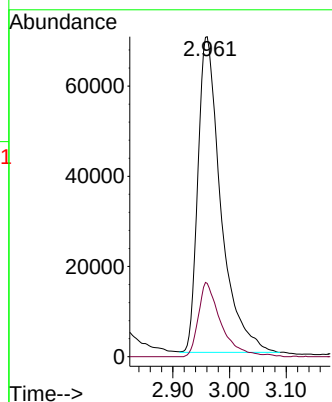
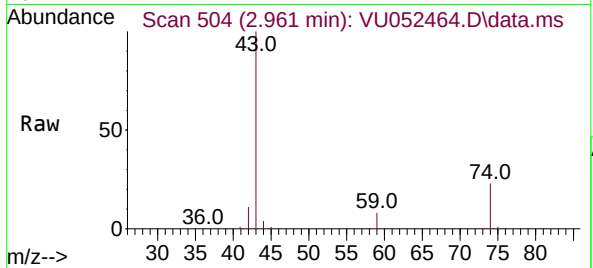




#15
Methyl Acetate
Concen: 19.855 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

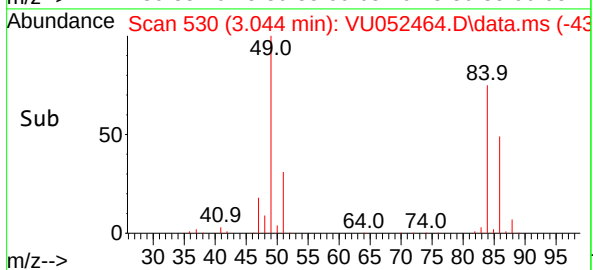
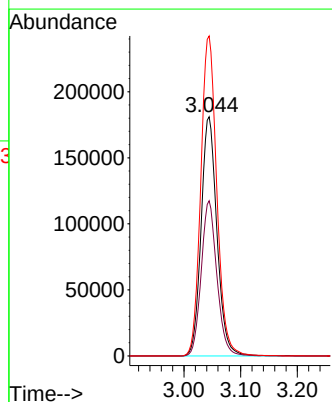
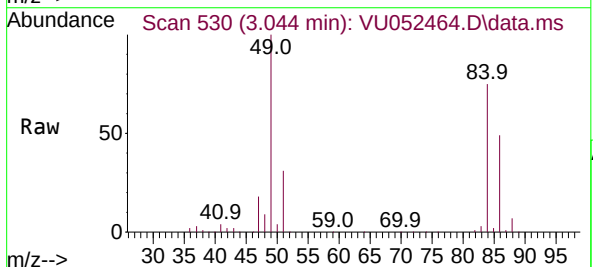
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

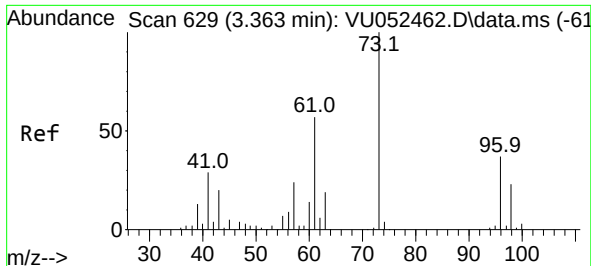
Tgt Ion: 43 Resp: 196998
Ion Ratio Lower Upper
43 100
74 22.8 16.9 25.3



#16
Methylene chloride
Concen: 16.912 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 84 Resp: 351523
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 133.8 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 21.598 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

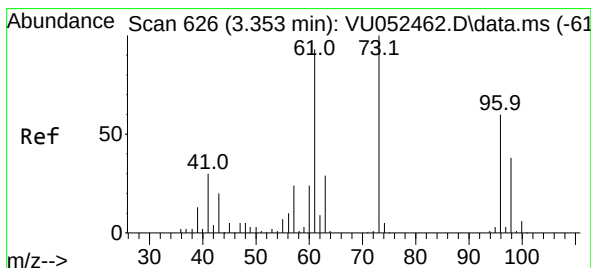
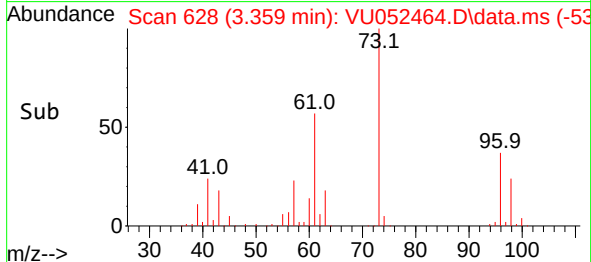
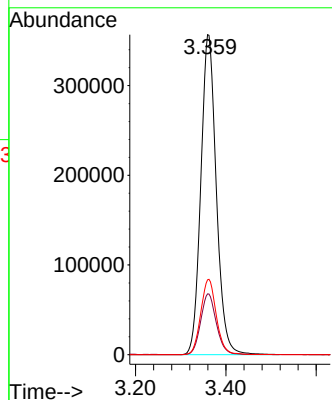
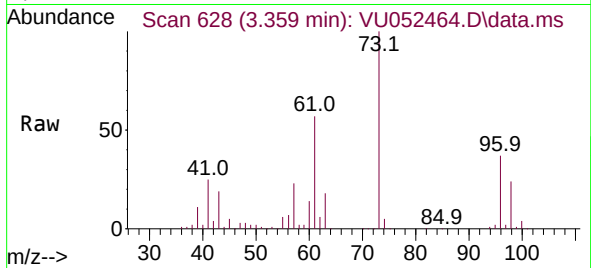
Tgt Ion: 73 Resp: 848375

Ion Ratio Lower Upper

73 100

43 19.1 16.1 24.1

57 23.8 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 20.779 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

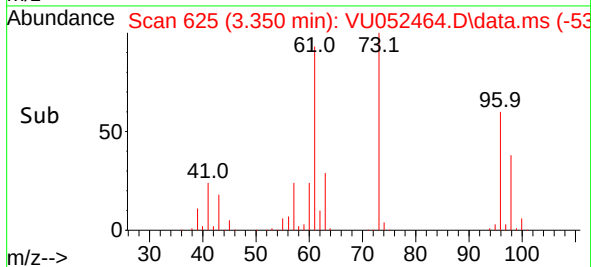
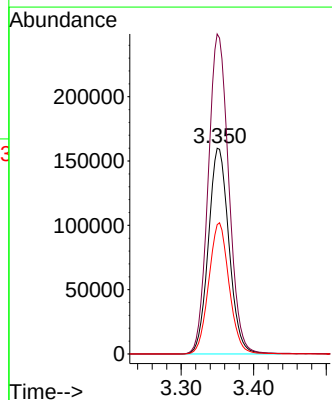
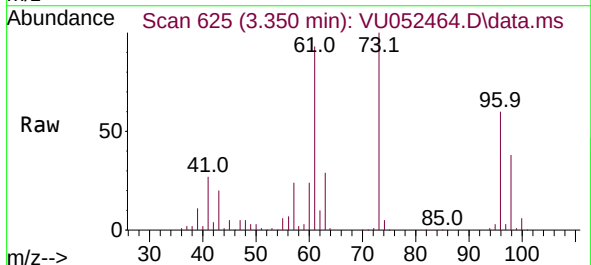
Tgt Ion: 96 Resp: 315103

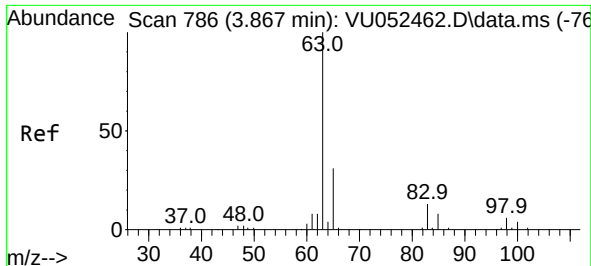
Ion Ratio Lower Upper

96 100

61 155.5 108.3 201.1

98 62.9 44.0 81.6





#19

1,1-Dichloroethane

Concen: 19.937 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

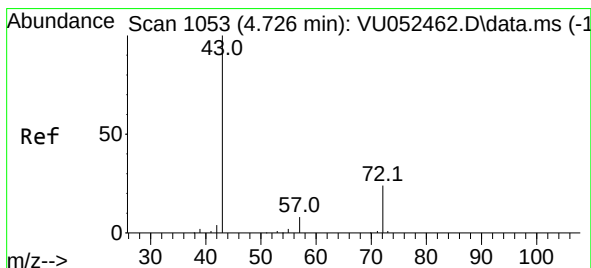
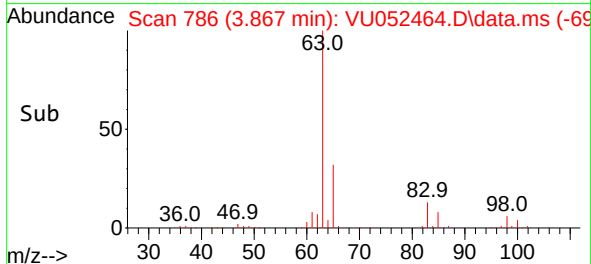
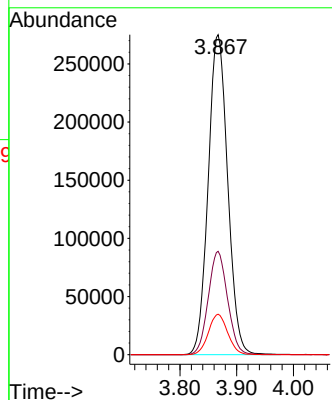
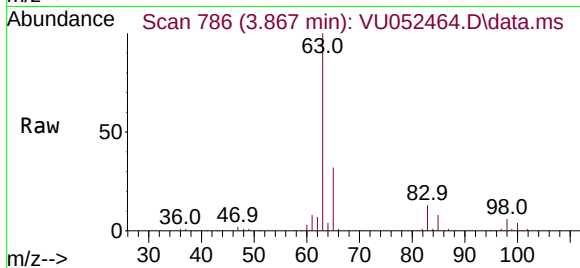
Tgt Ion: 63 Resp: 657499

Ion Ratio Lower Upper

63 100

65 32.3 22.0 40.8

83 12.7 9.0 16.8



#21

2-Butanone

Concen: 212.952 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU052464.D

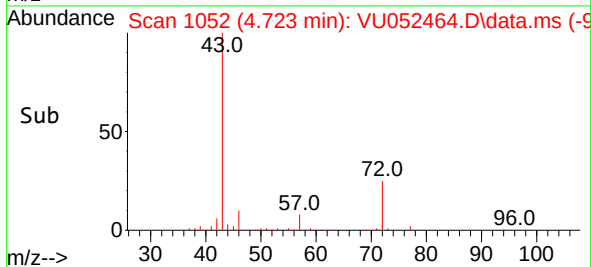
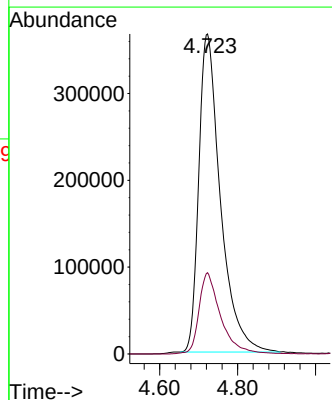
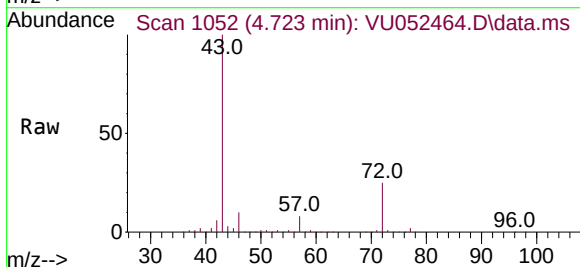
Acq: 20 Dec 2022 17:32

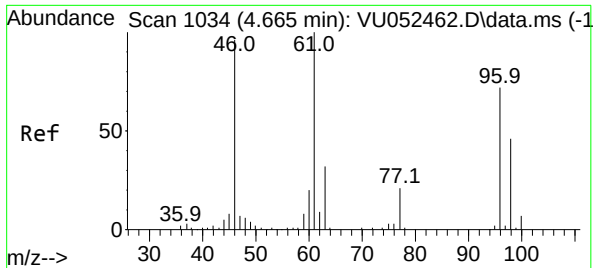
Tgt Ion: 43 Resp: 1410969

Ion Ratio Lower Upper

43 100

72 25.6 11.6 34.7

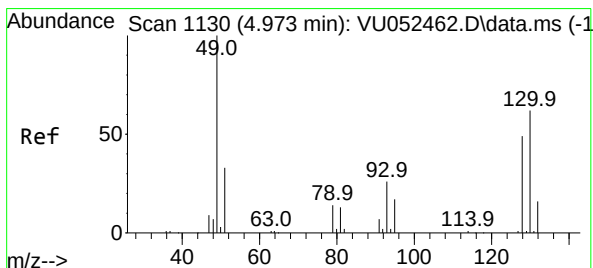
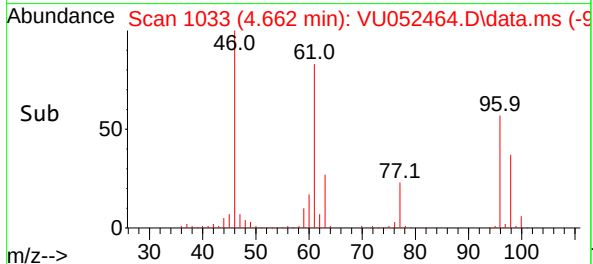
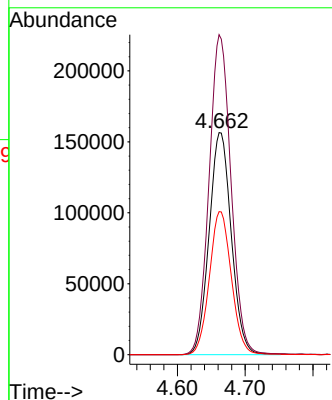
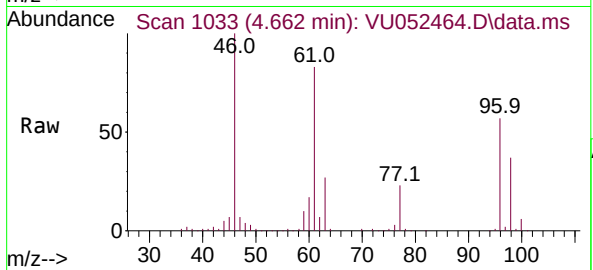




#22
 cis-1,2-Dichloroethene
 Concen: 21.403 ug/L
 RT: 4.662 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

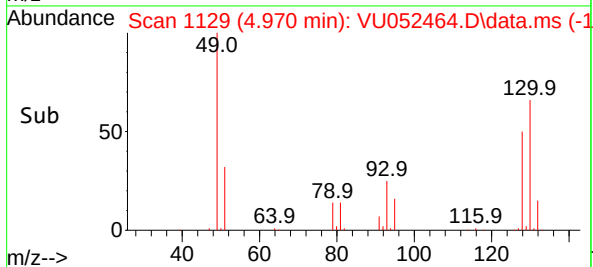
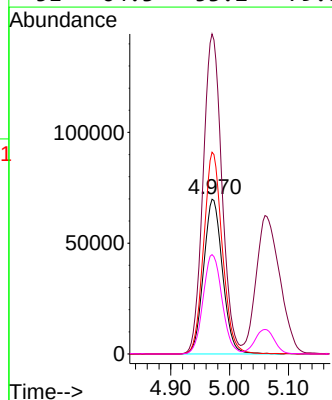
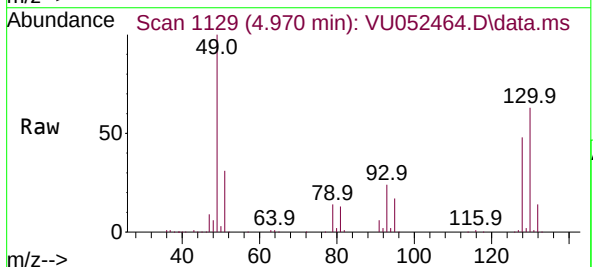
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

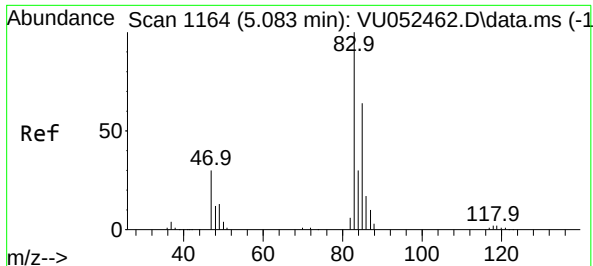
Tgt Ion: 96 Resp: 356192
 Ion Ratio Lower Upper
 96 100
 61 144.1 96.9 180.1
 98 64.4 44.7 83.1



#23
 Bromochloromethane
 Concen: 20.212 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

Tgt Ion:128 Resp: 155885
 Ion Ratio Lower Upper
 128 100
 49 206.8 143.3 266.1
 130 130.4 88.4 164.2
 51 64.3 53.2 79.8





#25

Chloroform

Concen: 19.580 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

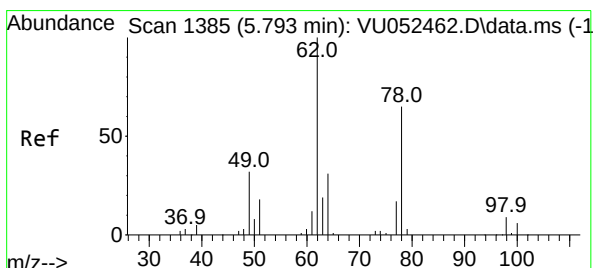
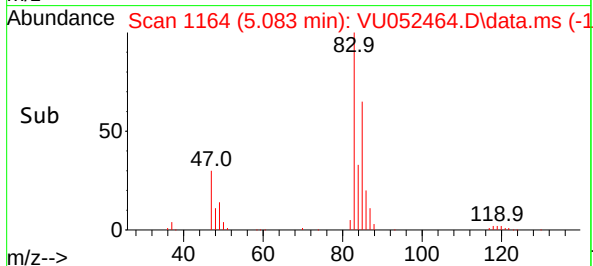
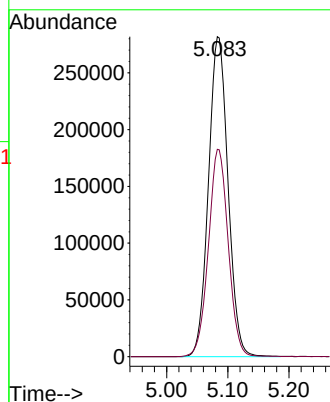
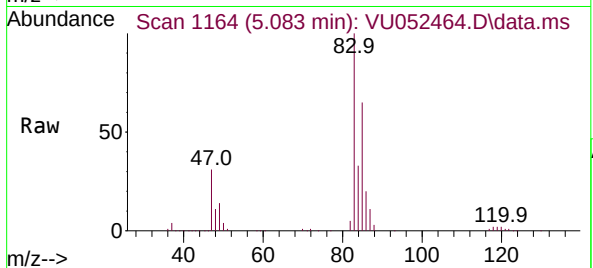
VSTD020078

Tgt Ion: 83 Resp: 625642

Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1



#27

1,2-Dichloroethane

Concen: 19.779 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052464.D

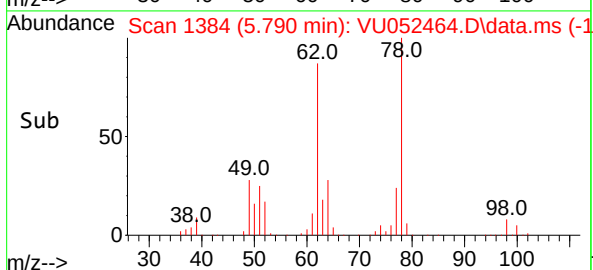
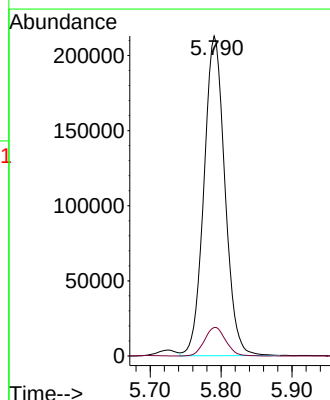
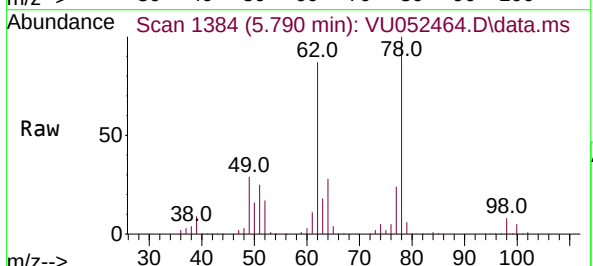
Acq: 20 Dec 2022 17:32

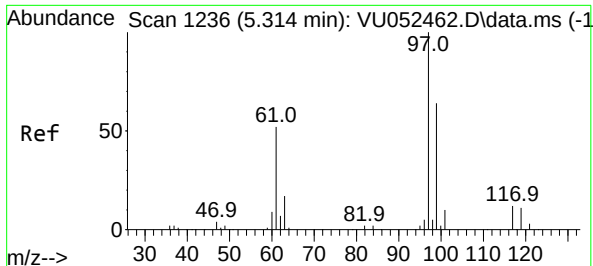
Tgt Ion: 62 Resp: 436638

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 21.257 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

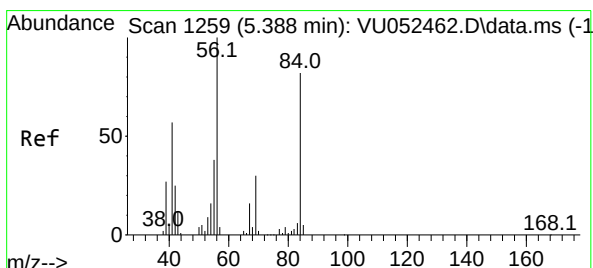
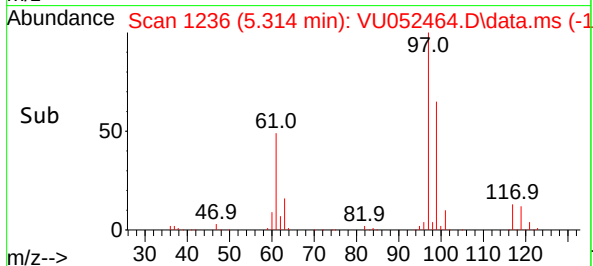
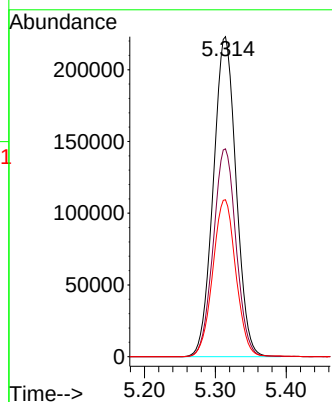
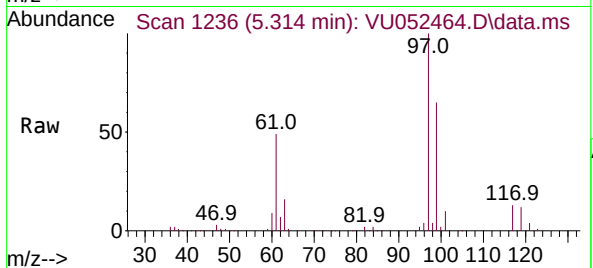
Tgt Ion: 97 Resp: 497799

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

61 49.6 41.6 62.4



#30

Cyclohexane

Concen: 23.875 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

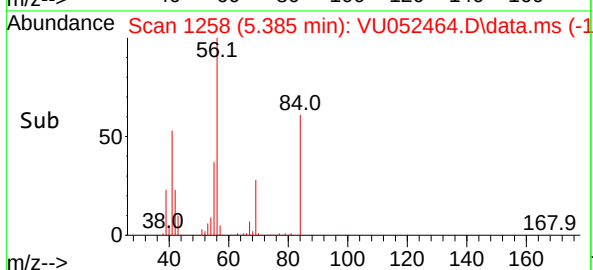
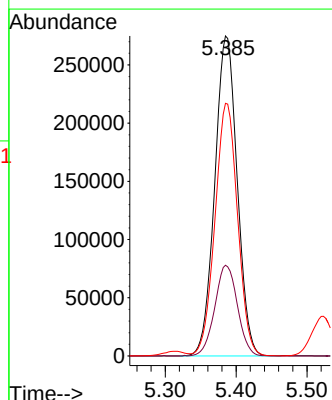
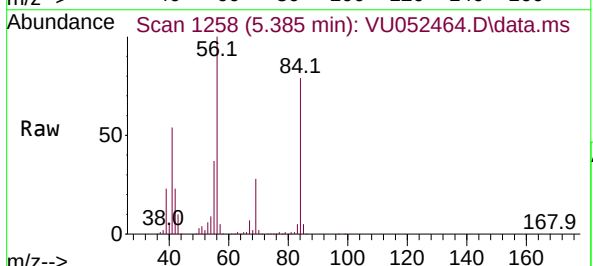
Tgt Ion: 56 Resp: 604160

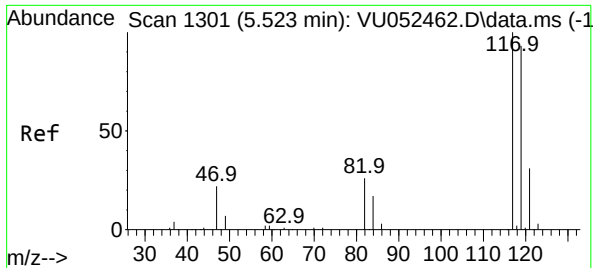
Ion Ratio Lower Upper

56 100

69 28.6 23.0 34.6

84 79.6 64.4 96.6

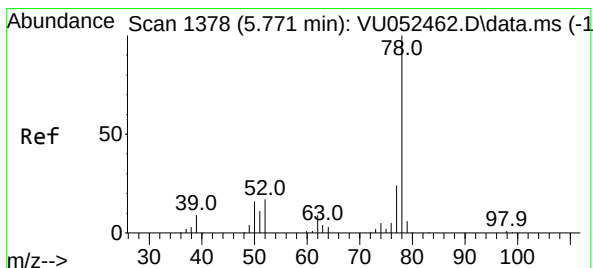
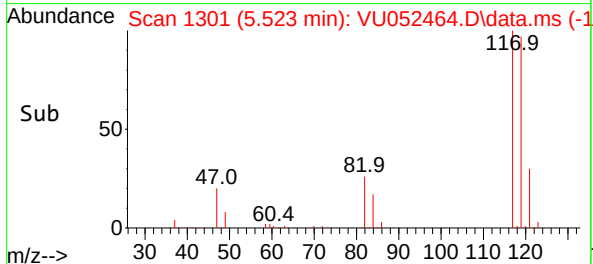
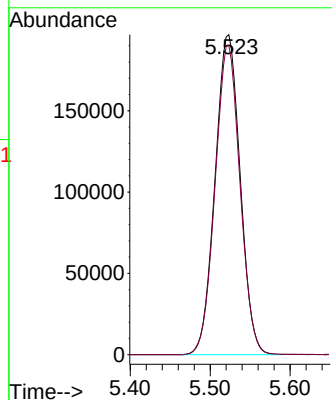
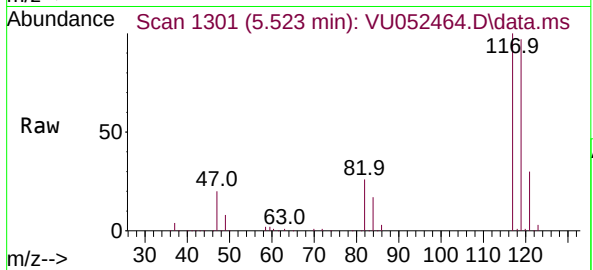




#31
Carbon tetrachloride
Concen: 20.823 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

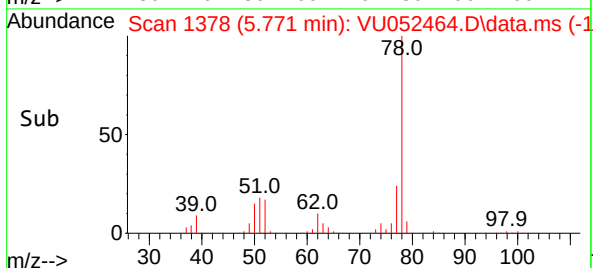
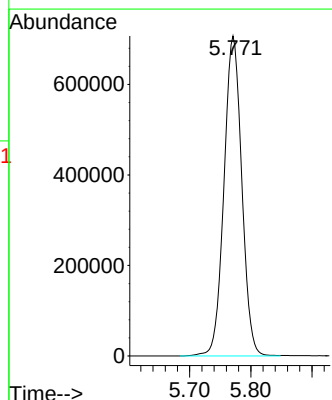
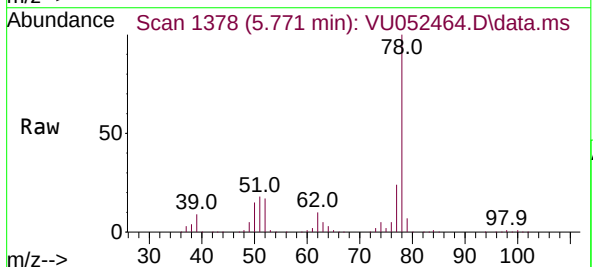
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

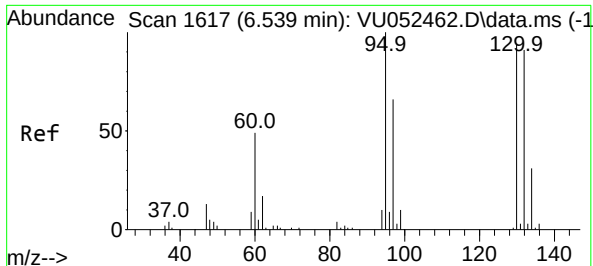
Tgt Ion:117 Resp: 428499
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5



#33
Benzene
Concen: 21.354 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 78 Resp: 1431125

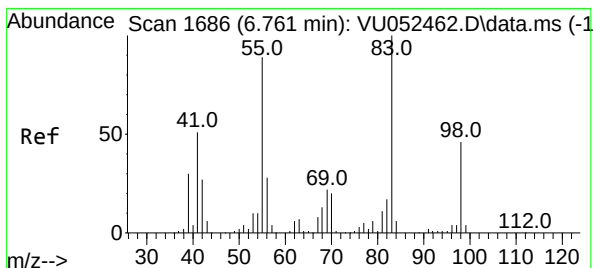
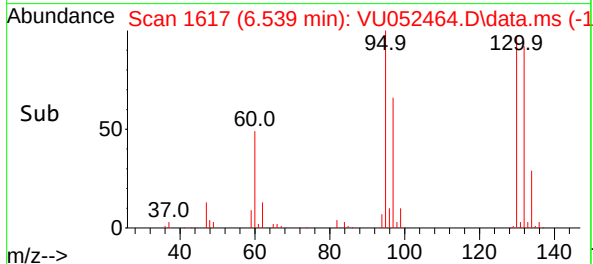
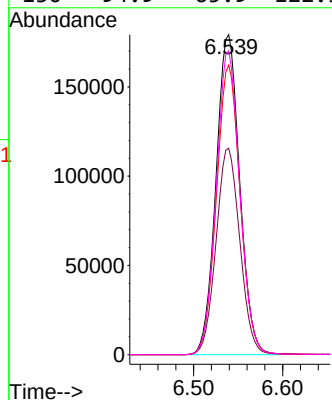
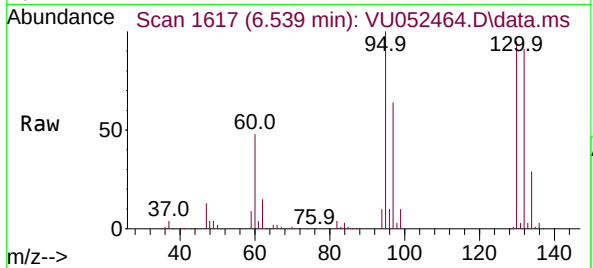




#34
Trichloroethene
Concen: 21.194 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

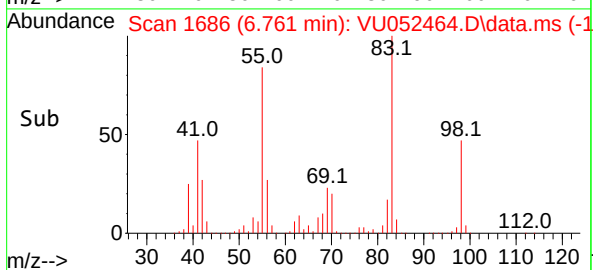
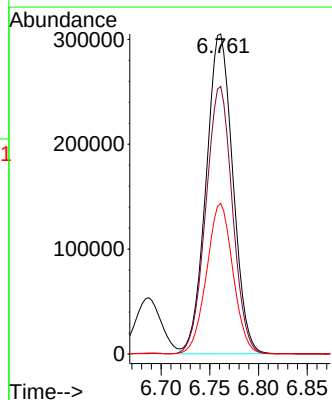
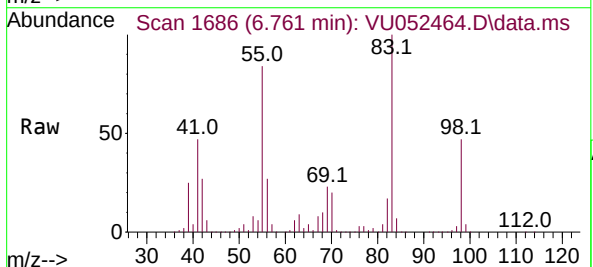
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

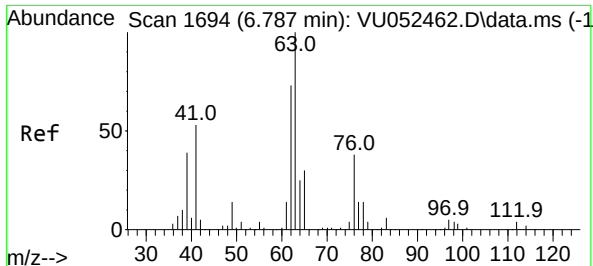
Tgt Ion: 95 Resp: 332044
Ion Ratio Lower Upper
95 100
97 64.5 46.3 86.1
132 90.5 63.9 118.7
130 94.9 65.9 122.5



#35
Methylcyclohexane
Concen: 24.708 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 83 Resp: 583732
Ion Ratio Lower Upper
83 100
55 83.0 71.4 107.0
98 46.4 36.5 54.7





#37

1,2-Dichloropropane

Concen: 21.258 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

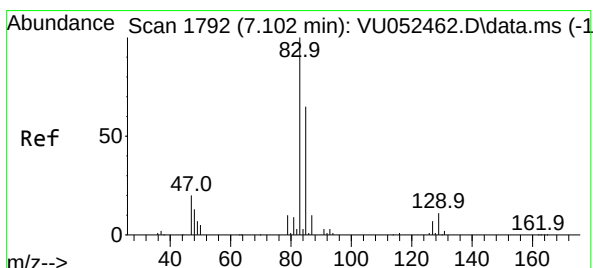
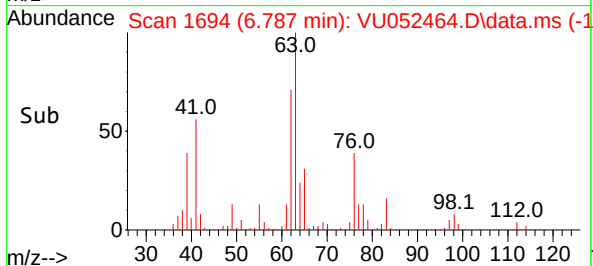
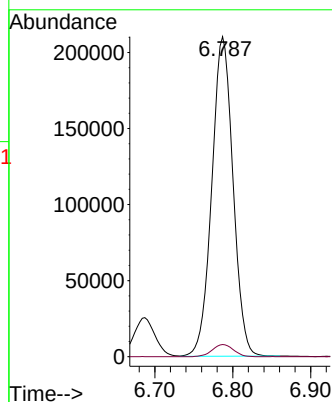
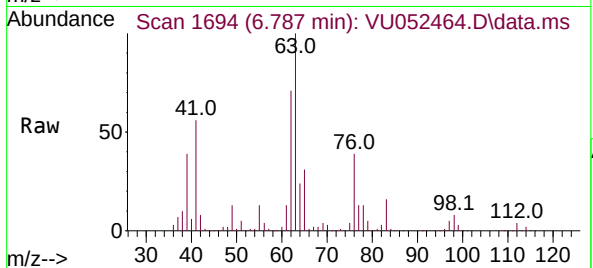
VSTD020078

Tgt Ion: 63 Resp: 397544

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 20.505 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

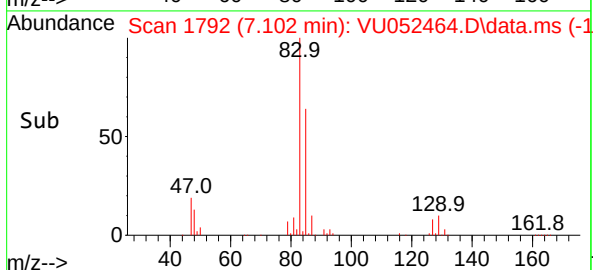
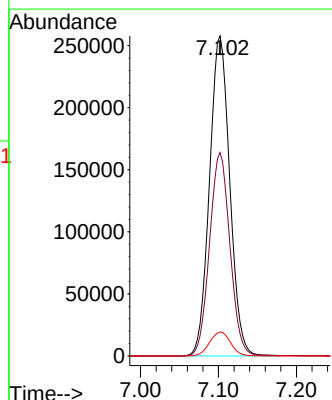
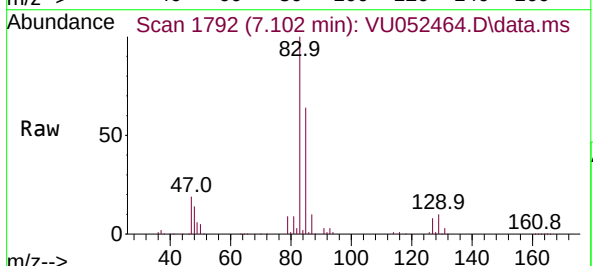
Tgt Ion: 83 Resp: 466700

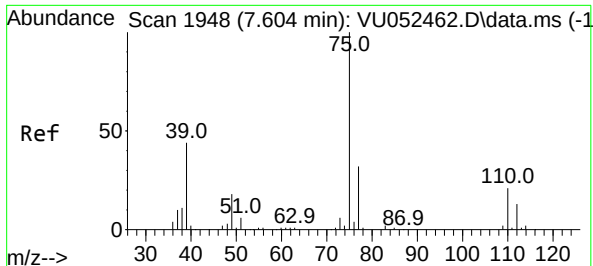
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 7.5 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 23.858 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

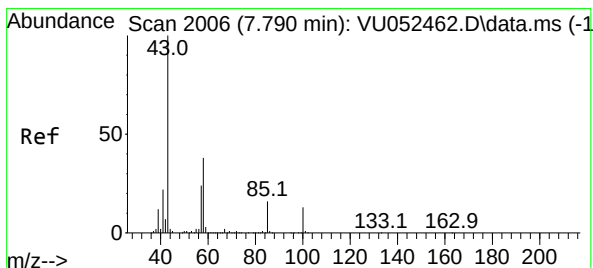
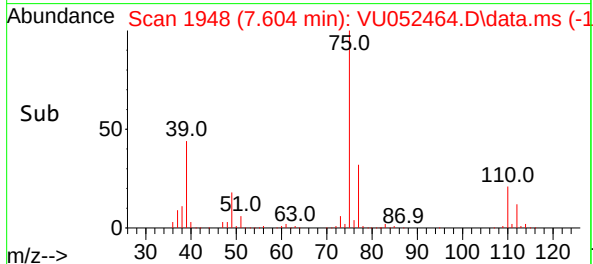
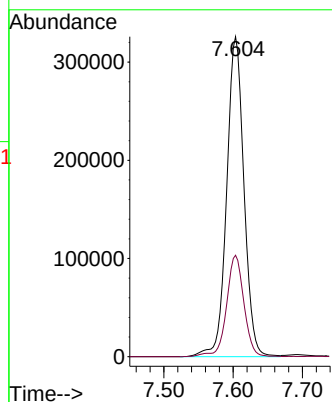
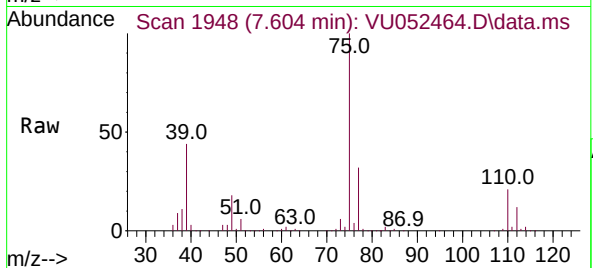
VSTD020078

Tgt Ion: 75 Resp: 565067

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 236.908 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

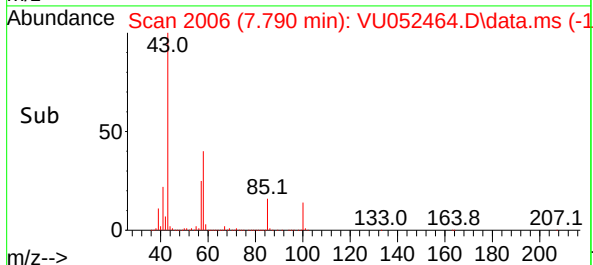
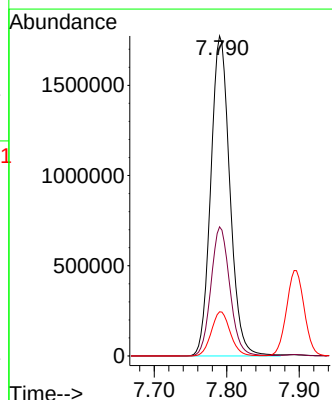
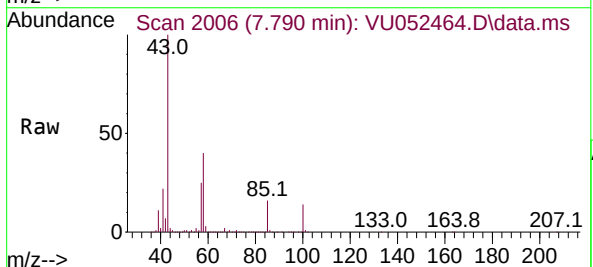
Tgt Ion: 43 Resp: 3237494

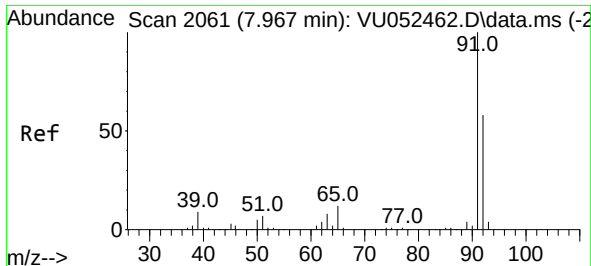
Ion Ratio Lower Upper

43 100

58 40.1 30.6 45.8

100 13.8 10.4 15.6





#42

Toluene

Concen: 22.539 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

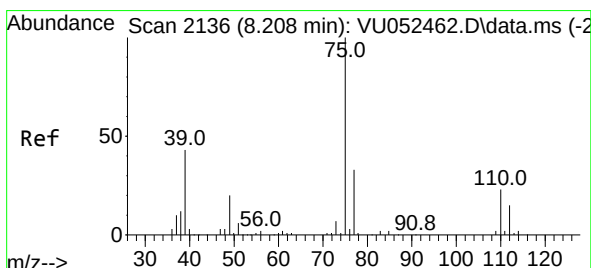
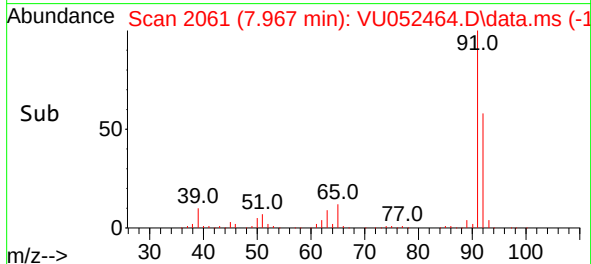
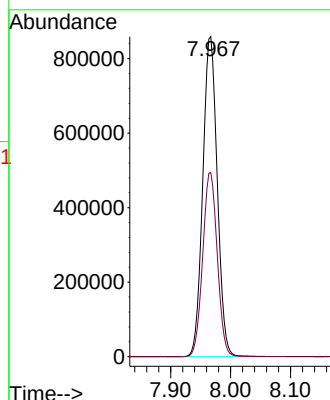
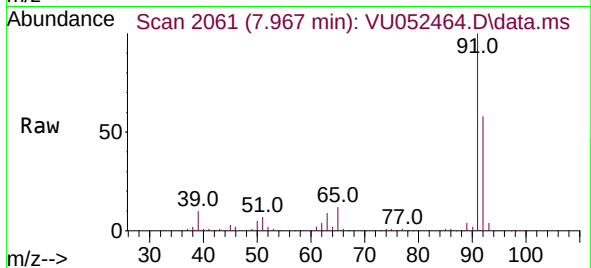
VSTD020078

Tgt Ion: 91 Resp: 1448285

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 23.545 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052464.D

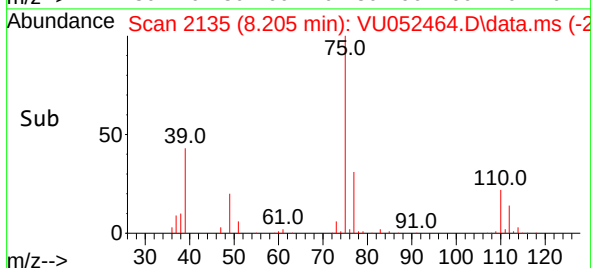
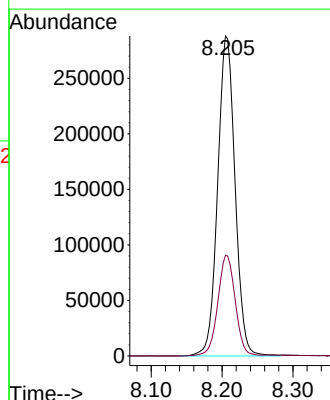
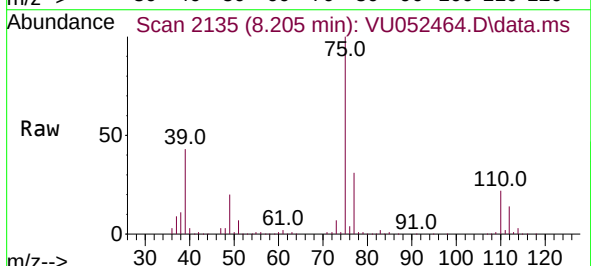
Acq: 20 Dec 2022 17:32

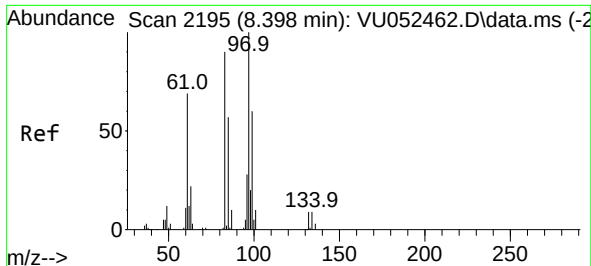
Tgt Ion: 75 Resp: 491419

Ion Ratio Lower Upper

75 100

77 31.5 22.8 42.4



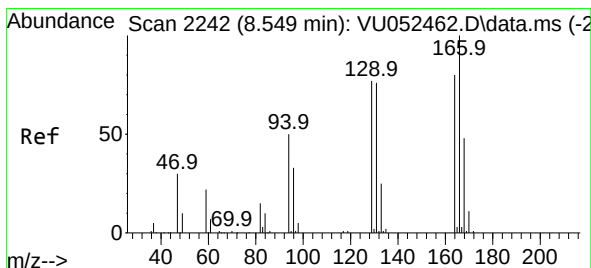
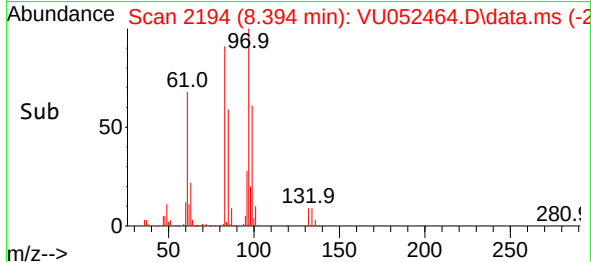
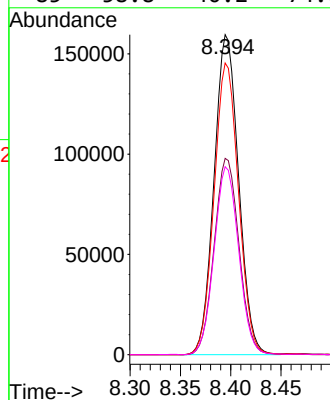
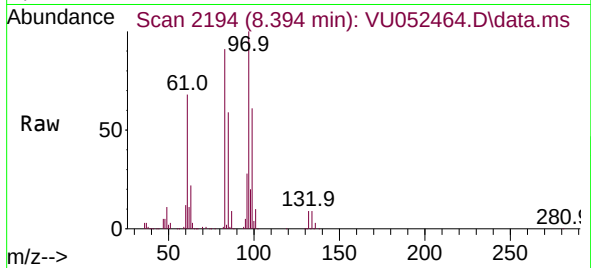


#45
1,1,2-Trichloroethane
Concen: 20.472 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

Tgt Ion: 97 Resp: 271141

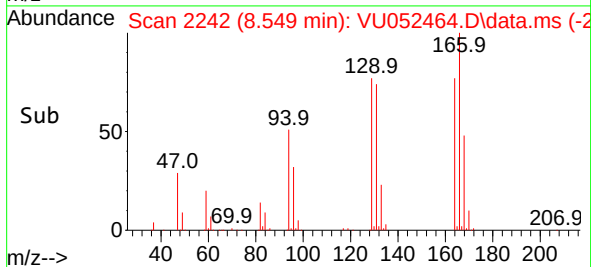
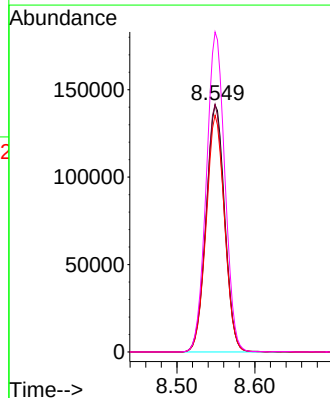
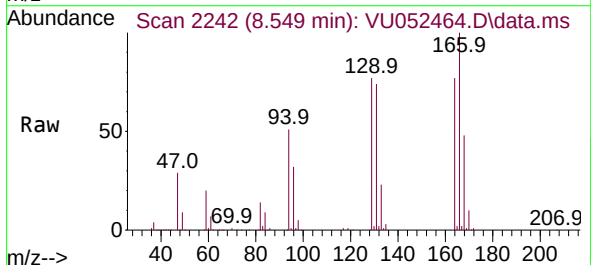
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.0	78.0
83	91.2	63.2	117.4
85	58.8	40.2	74.6

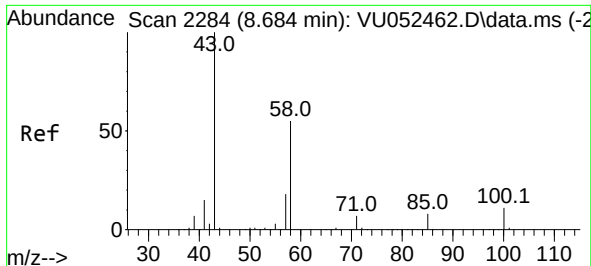


#47
Tetrachloroethene
Concen: 21.438 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 164 Resp: 234442

Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.1	126.5
131	95.8	66.5	123.5
166	129.5	87.9	163.3



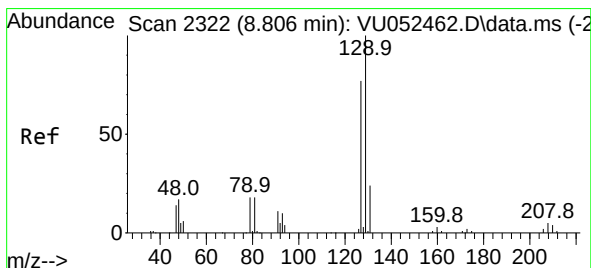
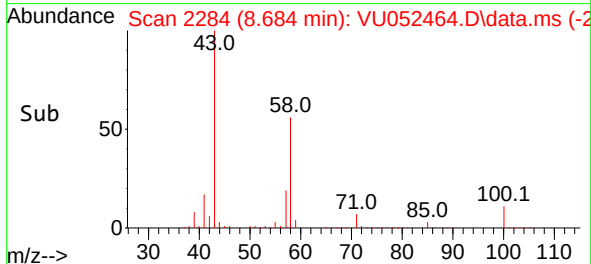
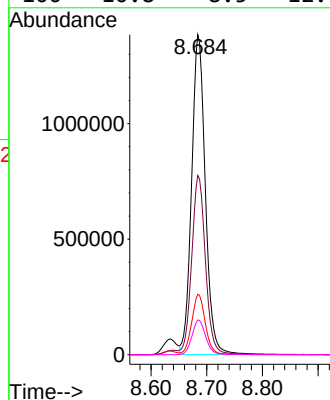
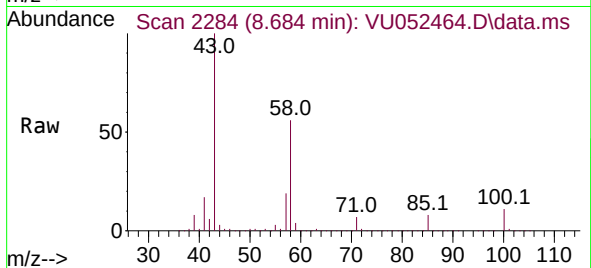


#48
2-Hexanone
Concen: 232.162 ug/L
RT: 8.684 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

Tgt Ion: 43 Resp: 2367912

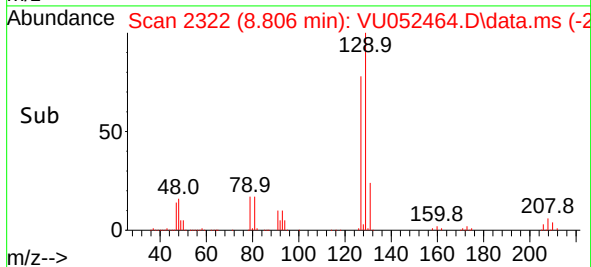
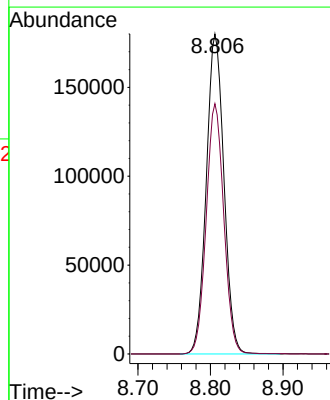
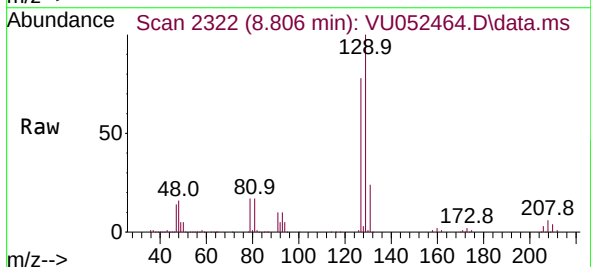
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.1	66.1
57	18.7	14.6	21.8
100	10.8	8.5	12.7

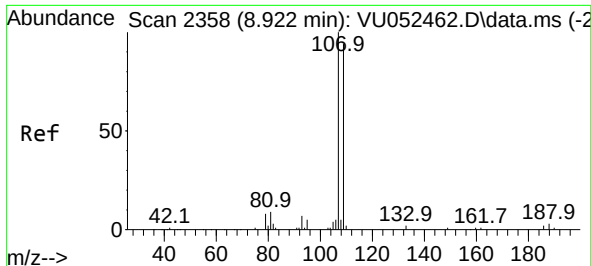


#49
Dibromochloromethane
Concen: 21.642 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 129 Resp: 303529

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.2	100.6





#50

1,2-Dibromoethane

Concen: 21.381 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

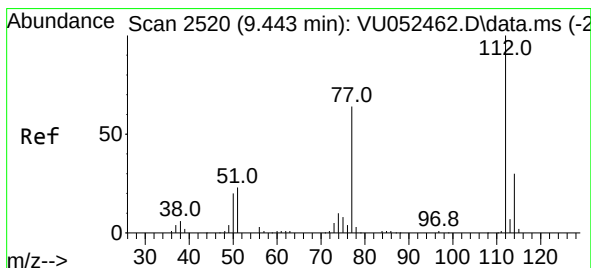
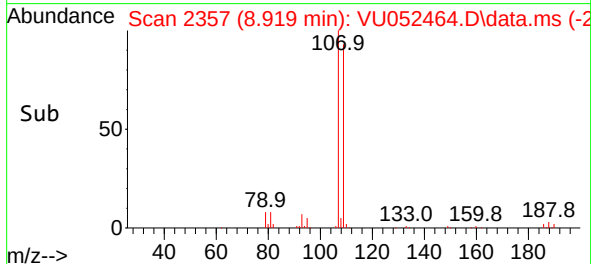
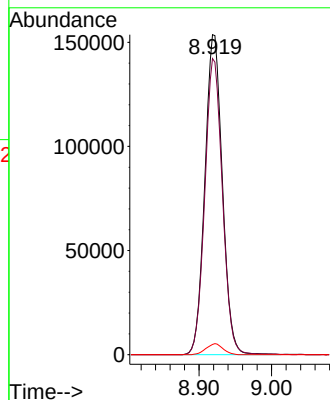
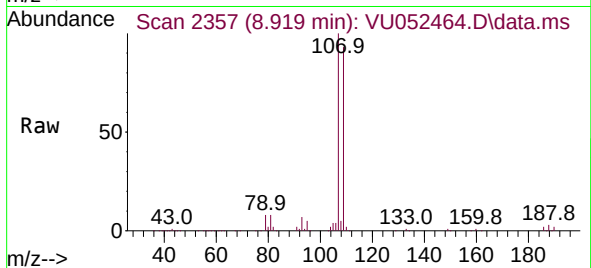
Tgt Ion:107 Resp: 257428

Ion Ratio Lower Upper

107 100

109 92.5 65.8 122.2

188 3.2 2.3 3.5



#51

Chlorobenzene

Concen: 21.433 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

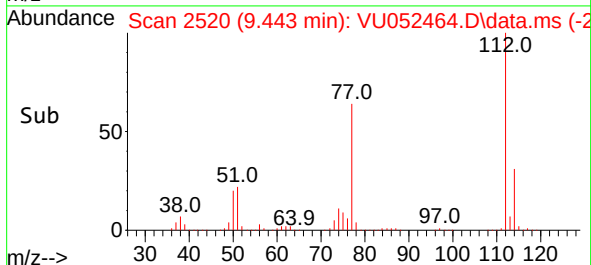
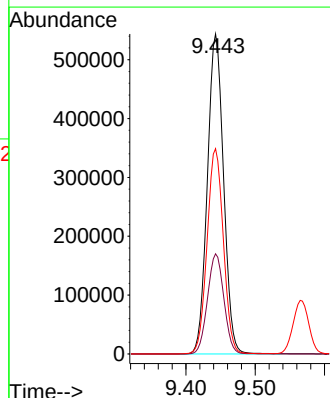
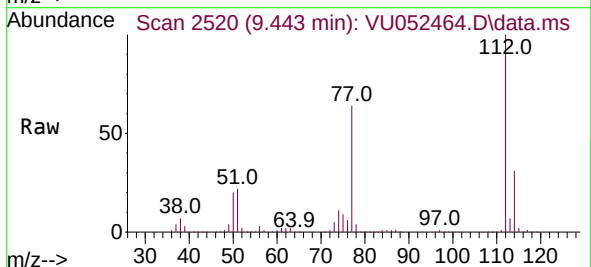
Tgt Ion:112 Resp: 879472

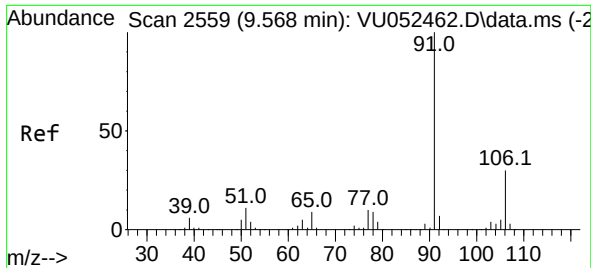
Ion Ratio Lower Upper

112 100

114 31.3 21.3 39.5

77 64.2 51.0 76.6

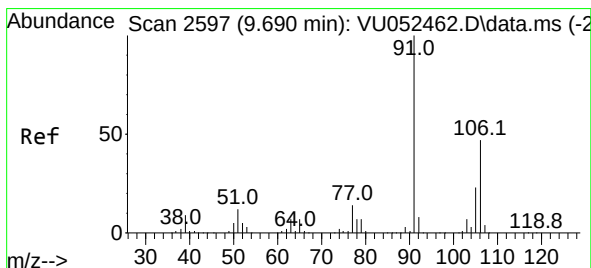
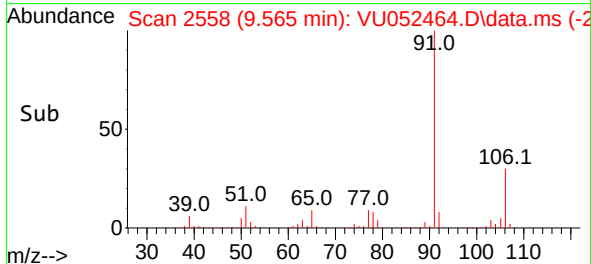
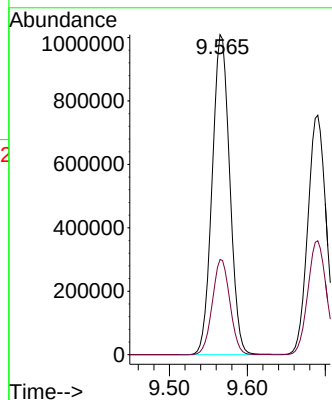
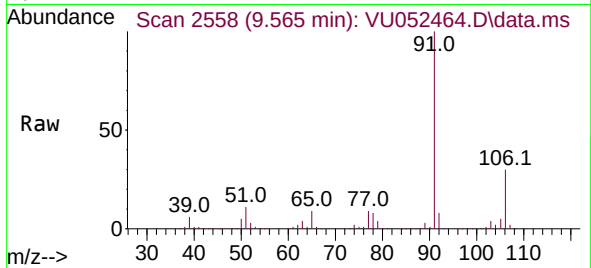




#52
Ethylbenzene
Concen: 23.743 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

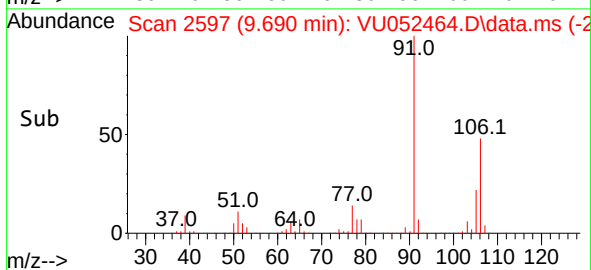
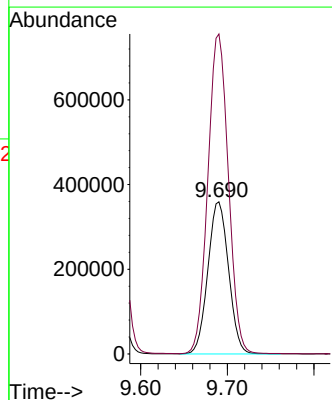
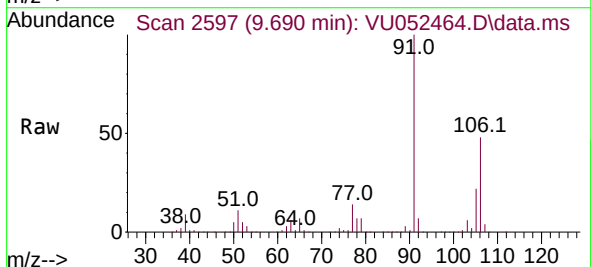
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

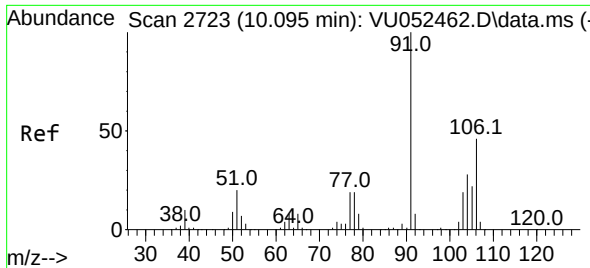
Tgt Ion: 91 Resp: 1578871
Ion Ratio Lower Upper
91 100
106 29.7 20.9 38.7



#53
m,p-Xylene
Concen: 24.268 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion: 106 Resp: 595067
Ion Ratio Lower Upper
106 100
91 210.2 148.2 275.2

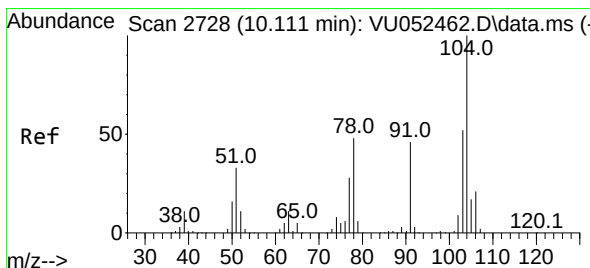
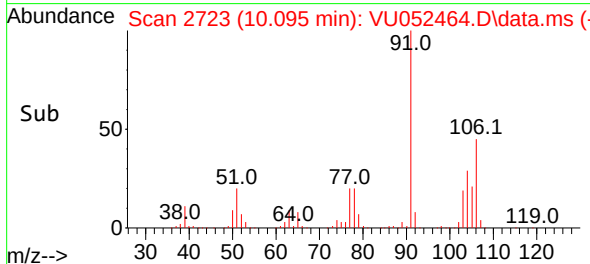
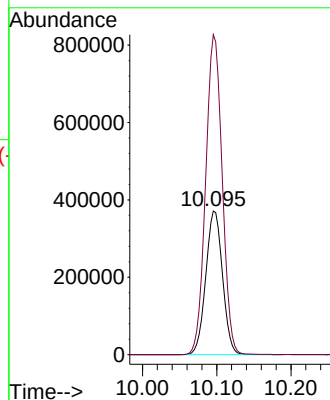
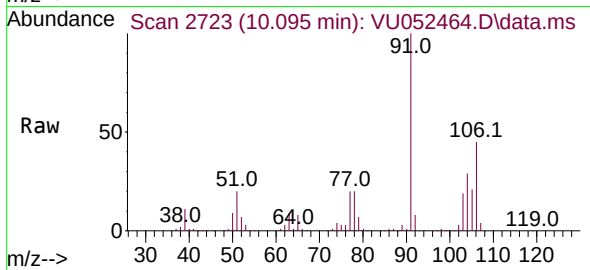




#54
o-Xylene
Concen: 24.664 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

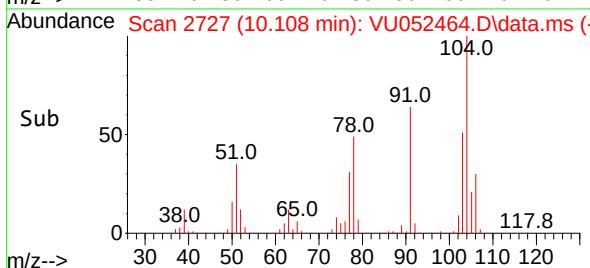
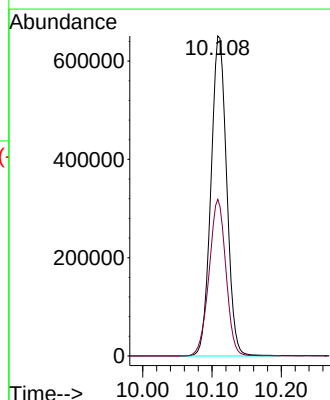
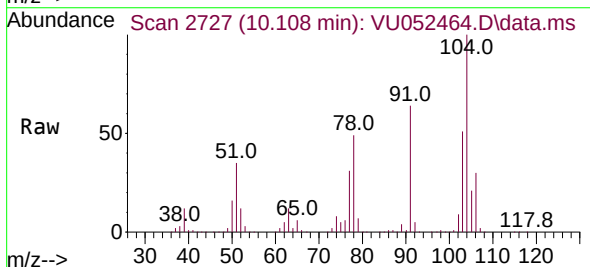
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

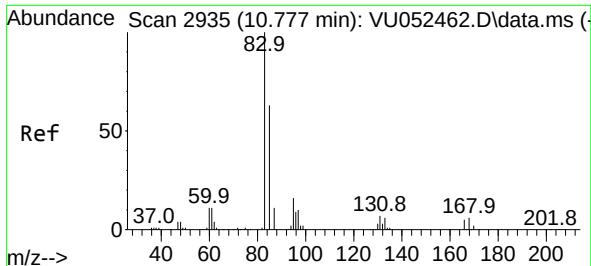
Tgt Ion:106 Resp: 579730
Ion Ratio Lower Upper
106 100
91 222.7 153.2 284.4



#55
Styrene
Concen: 25.094 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion:104 Resp: 1026143
Ion Ratio Lower Upper
104 100
78 48.9 33.4 62.0

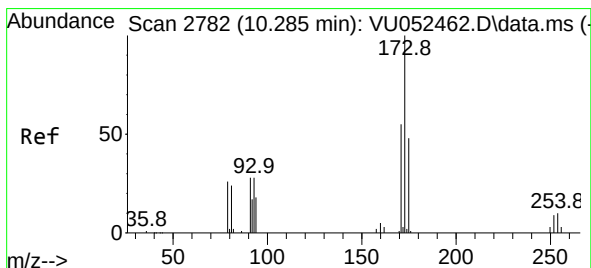
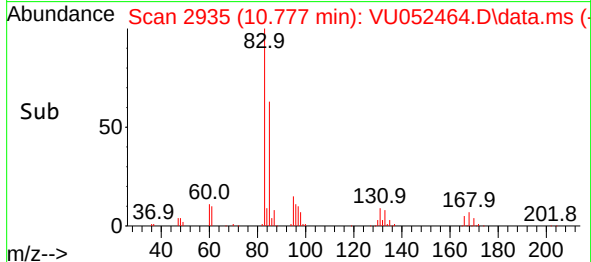
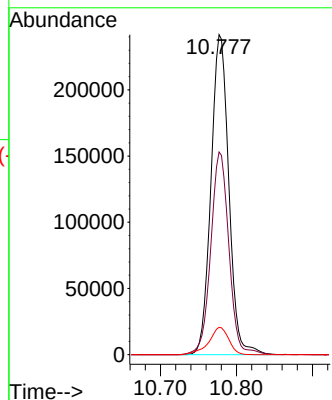
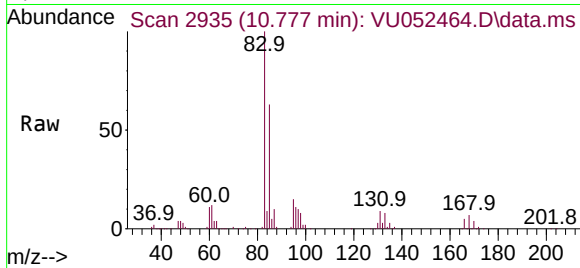




#57
1,1,2,2-Tetrachloroethane
Concen: 21.488 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

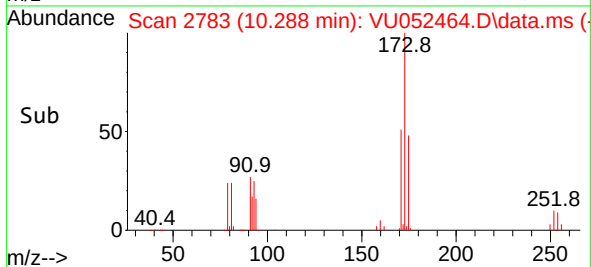
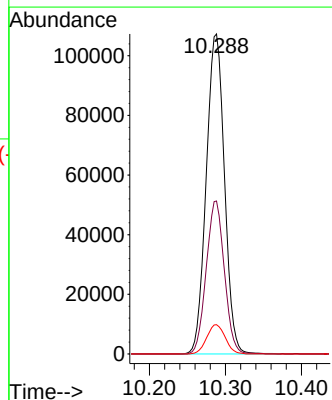
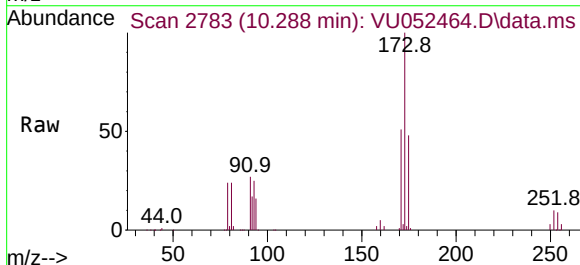
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

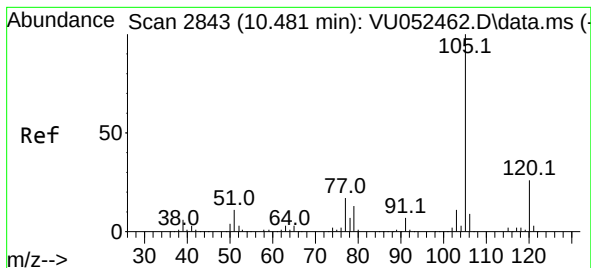
Tgt Ion: 83 Resp: 393436
Ion Ratio Lower Upper
83 100
85 63.3 44.7 83.1
131 8.6 6.0 9.0



#59
Bromoform
Concen: 20.260 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion:173 Resp: 178877
Ion Ratio Lower Upper
173 100
175 47.5 38.9 58.3
254 9.3 7.0 10.6





#60

Isopropylbenzene

Concen: 23.573 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

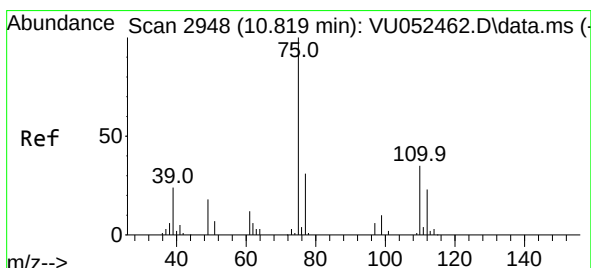
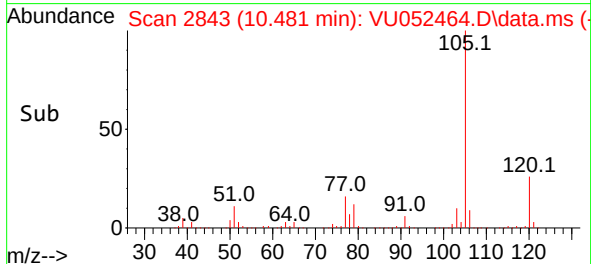
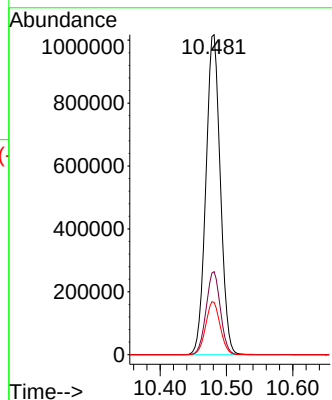
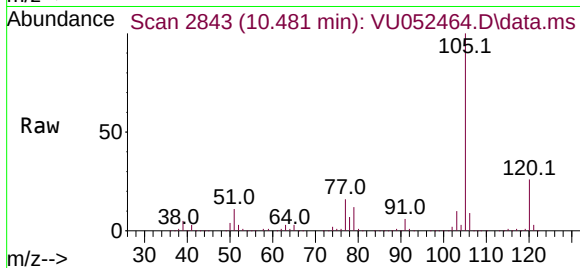
Tgt Ion:105 Resp: 1535336

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.6 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 19.365 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

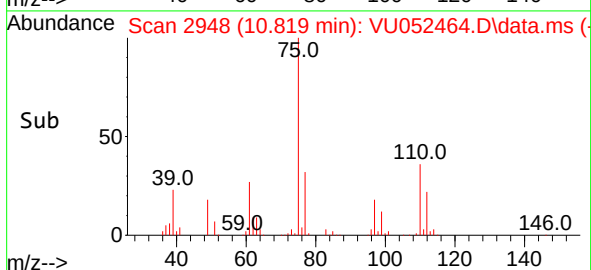
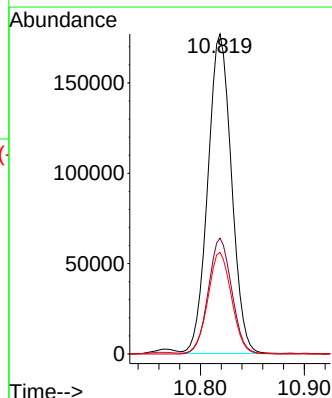
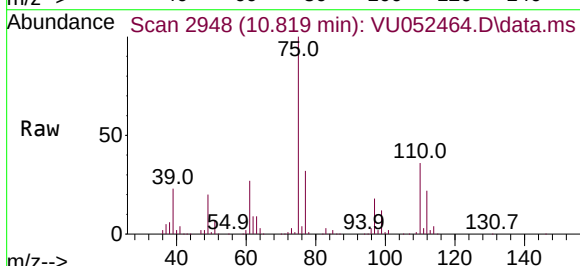
Tgt Ion: 75 Resp: 279103

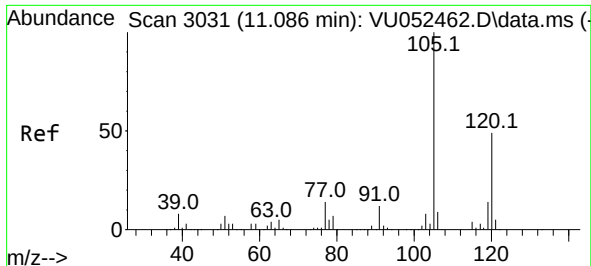
Ion Ratio Lower Upper

75 100

110 36.0 27.9 41.9

77 32.1 25.9 38.9

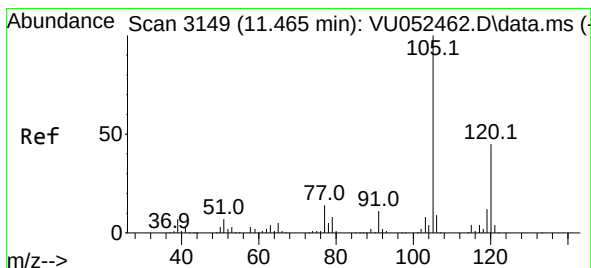
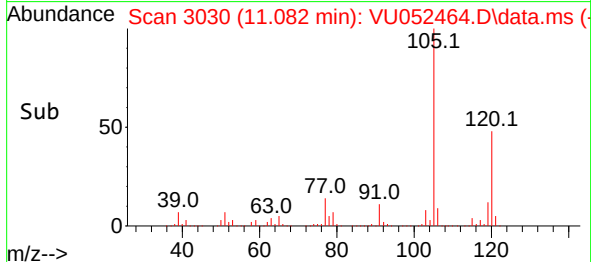
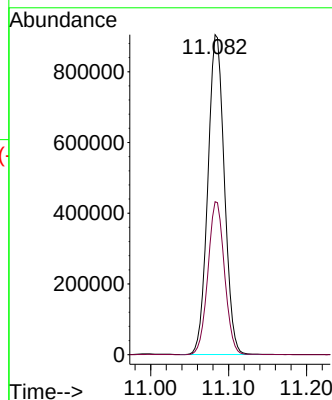
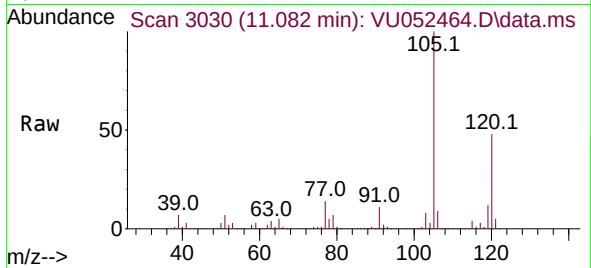




#62
1,3,5-Trimethylbenzene
Concen: 24.741 ug/L
RT: 11.082 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

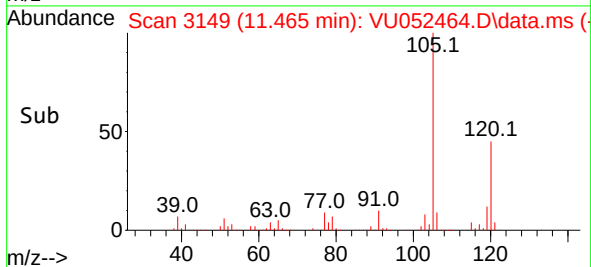
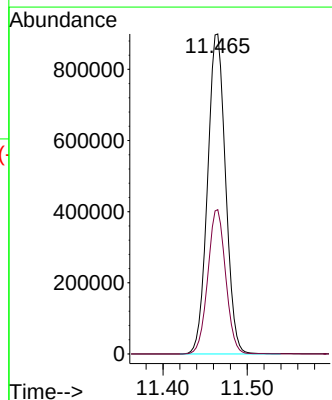
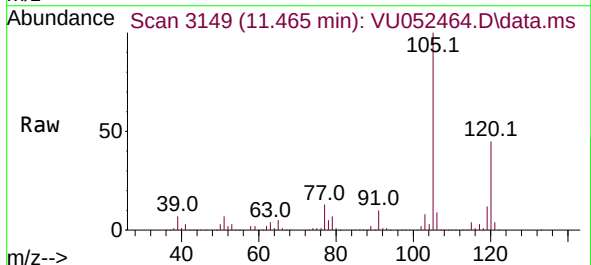
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

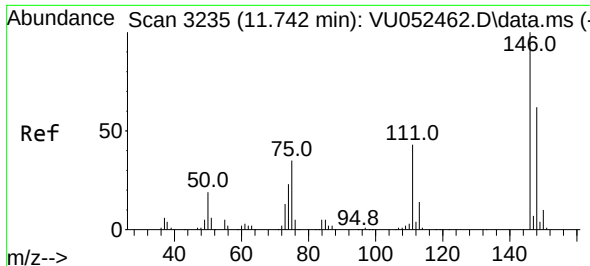
Tgt Ion:105 Resp: 1328999
Ion Ratio Lower Upper
105 100
120 48.1 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 24.763 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion:105 Resp: 1339074
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

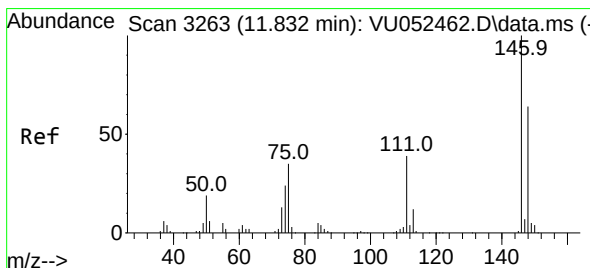
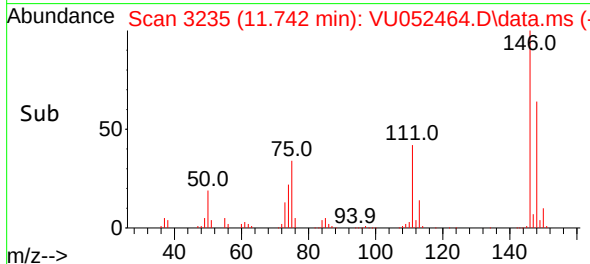
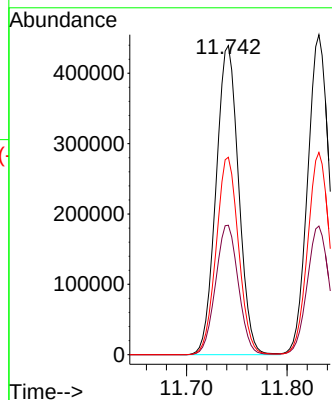
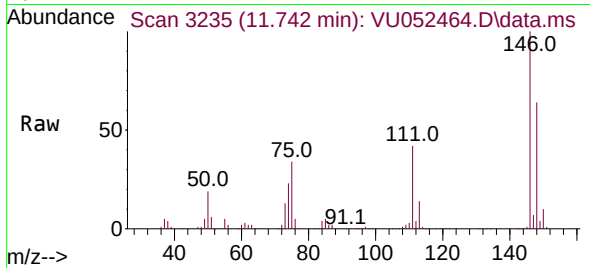




#64
1,3-Dichlorobenzene
Concen: 21.289 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

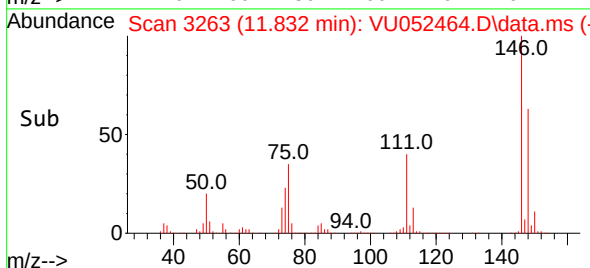
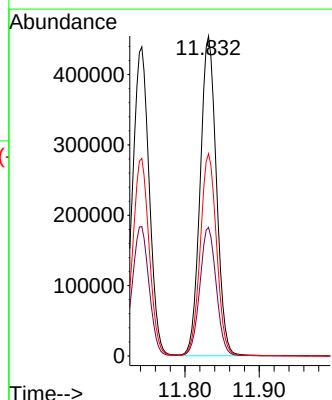
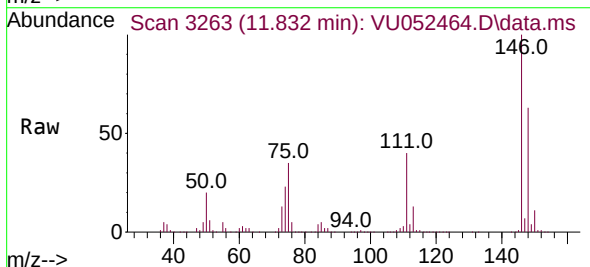
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

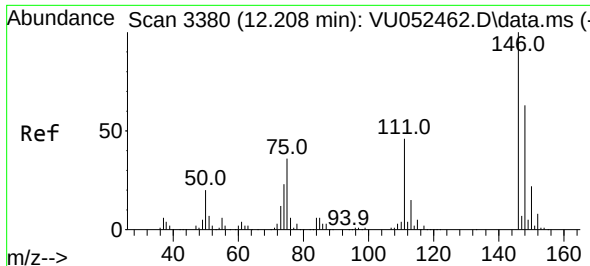
Tgt Ion:146 Resp: 687942
Ion Ratio Lower Upper
146 100
111 41.9 29.9 55.5
148 63.9 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 20.681 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052464.D
Acq: 20 Dec 2022 17:32

Tgt Ion:146 Resp: 691155
Ion Ratio Lower Upper
146 100
111 40.2 27.5 51.1
148 63.2 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 20.933 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

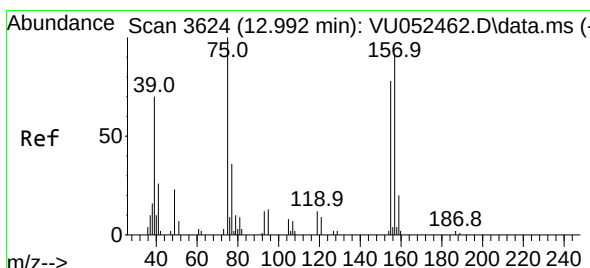
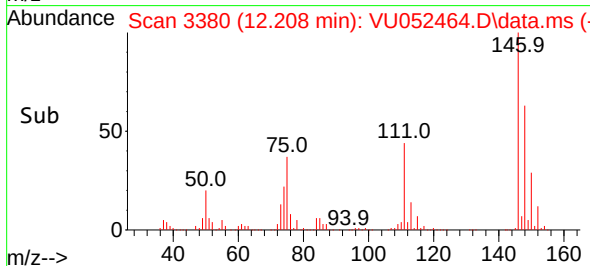
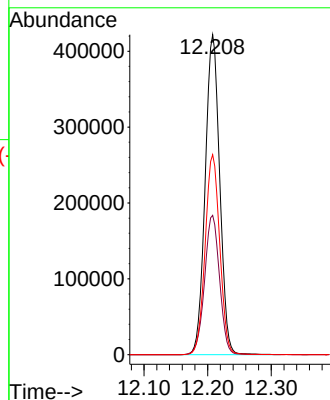
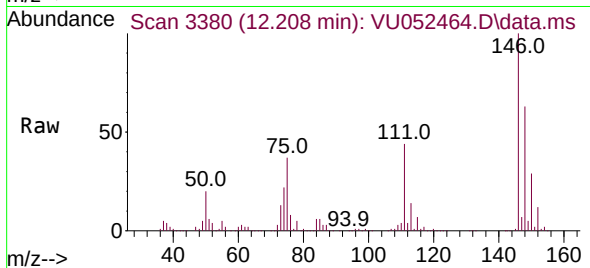
Tgt Ion:146 Resp: 668405

Ion Ratio Lower Upper

146 100

111 43.6 36.6 55.0

148 62.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 20.328 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

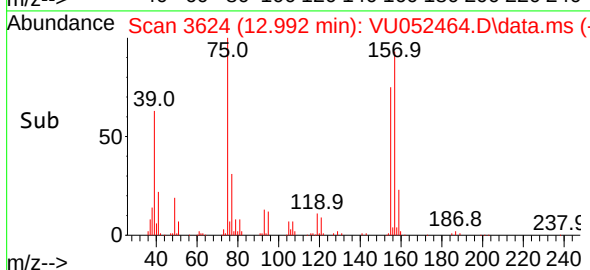
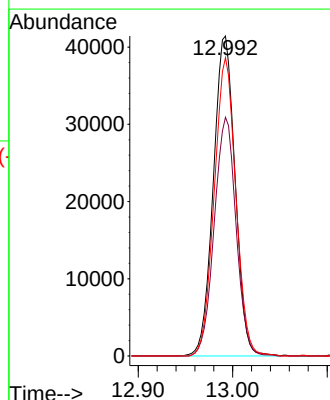
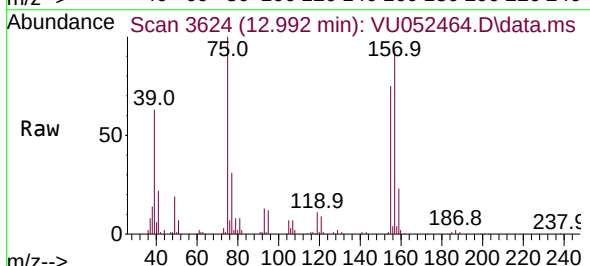
Tgt Ion: 75 Resp: 66319

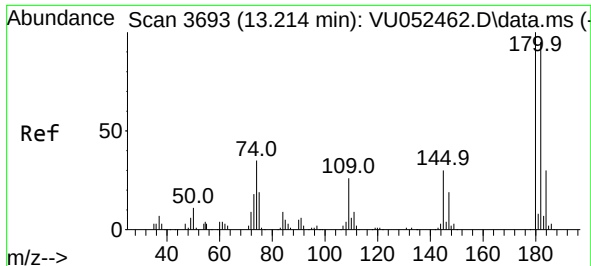
Ion Ratio Lower Upper

75 100

155 74.6 62.2 93.2

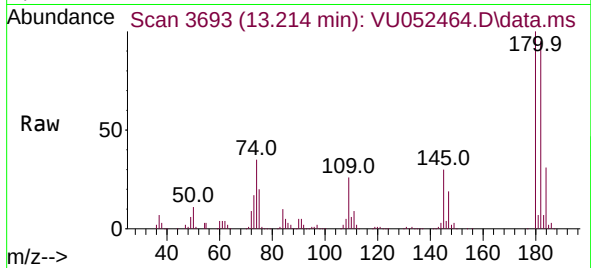
157 93.2 73.0 109.4



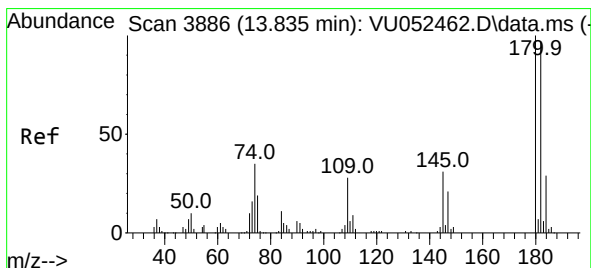
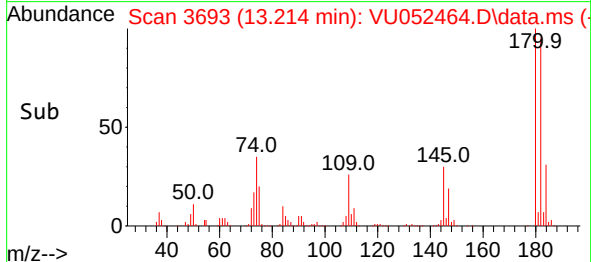
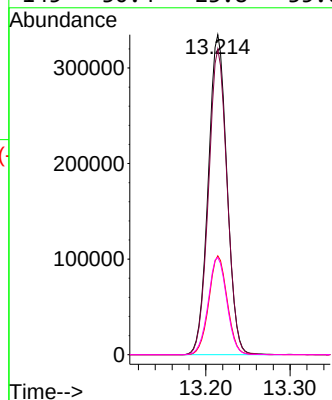


#69
 1,3,5-Trichlorobenzene
 Concen: 21.689 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

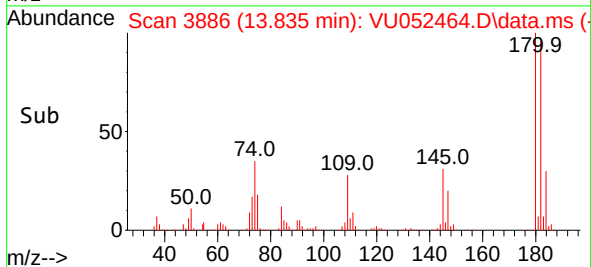
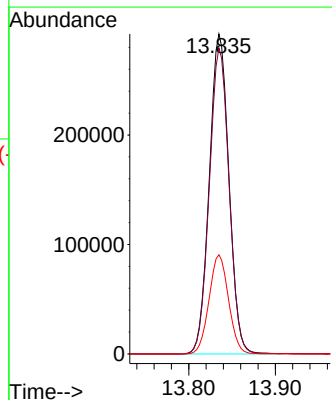
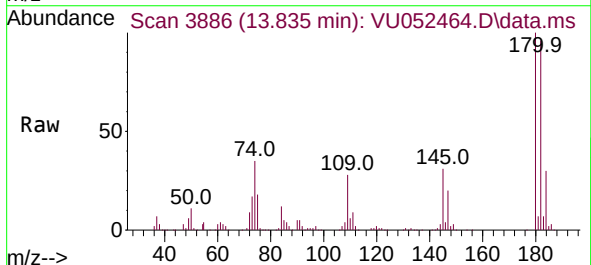


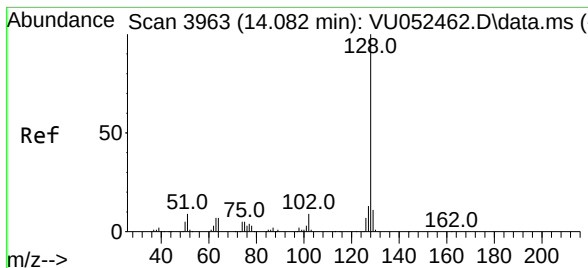
Tgt Ion:180 Resp: 516104
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.8
 184 30.4 23.4 35.0
 145 30.4 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 23.008 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052464.D
 Acq: 20 Dec 2022 17:32

Tgt Ion:180 Resp: 460690
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.7 116.5
 145 30.8 24.0 36.0





#71

Naphthalene

Concen: 24.962 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.003 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

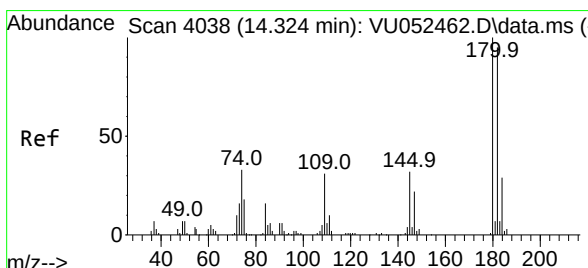
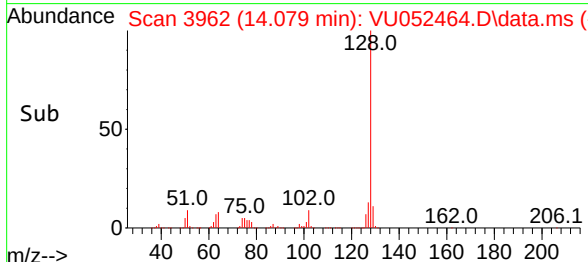
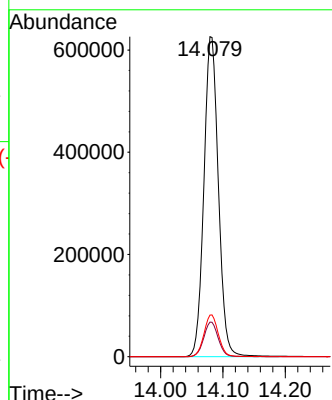
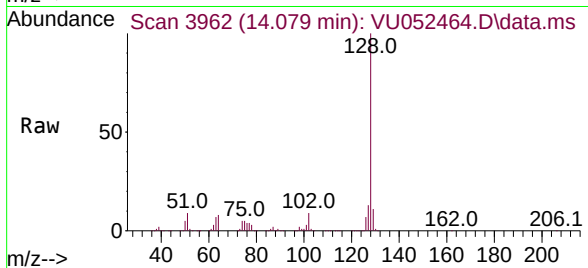
Tgt Ion:128 Resp: 1011294

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.1 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 22.081 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052464.D

Acq: 20 Dec 2022 17:32

Tgt Ion:180 Resp: 443151

Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

145 32.6 25.8 38.8

