

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053033.D
 Acq On : 10 Feb 2023 12:32
 Operator : JC/MD
 Sample : VSTD02011
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

Quant Time: Feb 10 23:04:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:01:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	131288	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	117542	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59433	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	126314	20.083	ug/L	0.00
7) Chloroethane-d5	1.913	69	120317	20.351	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	55408	19.207	ug/L	0.00
20) 2-Butanone-d5	4.640	46	415046	215.472	ug/L	0.00
24) Chloroform-d	5.058	84	286315	19.782	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	146487	20.087	ug/L	0.00
32) Benzene-d6	5.723	84	527785	19.982	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	183252	19.920	ug/L	0.00
41) Toluene-d8	7.894	98	464397	19.462	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	75429	20.253	ug/L	0.00
46) 2-Hexanone-d5	8.630	63	357520	216.226	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	162985	20.629	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	181766	20.472	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	186939	19.394	ug/L	99
3) Chloromethane	1.518	50	191372	19.055	ug/L	100
5) Vinyl chloride	1.601	62	219589	19.846	ug/L	99
6) Bromomethane	1.859	94	137607	19.998	ug/L	98
8) Chloroethane	1.933	64	128309	19.693	ug/L	97
9) Trichlorofluoromethane	2.138	101	308280	20.225	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	170423	20.309	ug/L	98
12) 1,1-Dichloroethene	2.576	96	157011	20.215	ug/L	90
13) Acetone	2.666	43	232352	167.085	ug/L #	31
14) Carbon disulfide	2.788	76	475524	20.276	ug/L	98
15) Methyl Acetate	2.955	43	59341	17.879	ug/L #	78
16) Methylene chloride	3.042	84	164978	18.360	ug/L	97
17) Methyl tert-butyl Ether	3.360	73	417929	19.816	ug/L	99
18) trans-1,2-Dichloroethene	3.347	96	159045	19.352	ug/L	99
19) 1,1-Dichloroethane	3.865	63	313724	20.268	ug/L	100
21) 2-Butanone	4.720	43	399864	194.052	ug/L	94
22) cis-1,2-Dichloroethene	4.659	96	182943	19.724	ug/L	98
23) Bromochloromethane	4.968	128	76604	20.855	ug/L	97
25) Chloroform	5.084	83	316697	19.572	ug/L	98
27) 1,2-Dichloroethane	5.791	62	197853	19.891	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	275256	19.602	ug/L	98
30) Cyclohexane	5.383	56	274897	19.578	ug/L	99
31) Carbon tetrachloride	5.521	117	238368	20.338	ug/L	98
33) Benzene	5.768	78	676908	19.985	ug/L	100
34) Trichloroethene	6.537	95	186581	19.577	ug/L	98
35) Methylcyclohexane	6.759	83	305133	19.775	ug/L	100
37) 1,2-Dichloropropane	6.785	63	185138	20.074	ug/L	100
38) Bromodichloromethane	7.100	83	230907	19.308	ug/L	98
39) cis-1,3-Dichloropropene	7.601	75	301939	20.525	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	960930	199.588	ug/L	100
42) Toluene	7.965	91	735606	19.994	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	247817	20.421	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053033.D
 Acq On : 10 Feb 2023 12:32
 Operator : JC/MD
 Sample : VSTD02011
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

Quant Time: Feb 10 23:04:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:01:28 2023
 Response via : Initial Calibration

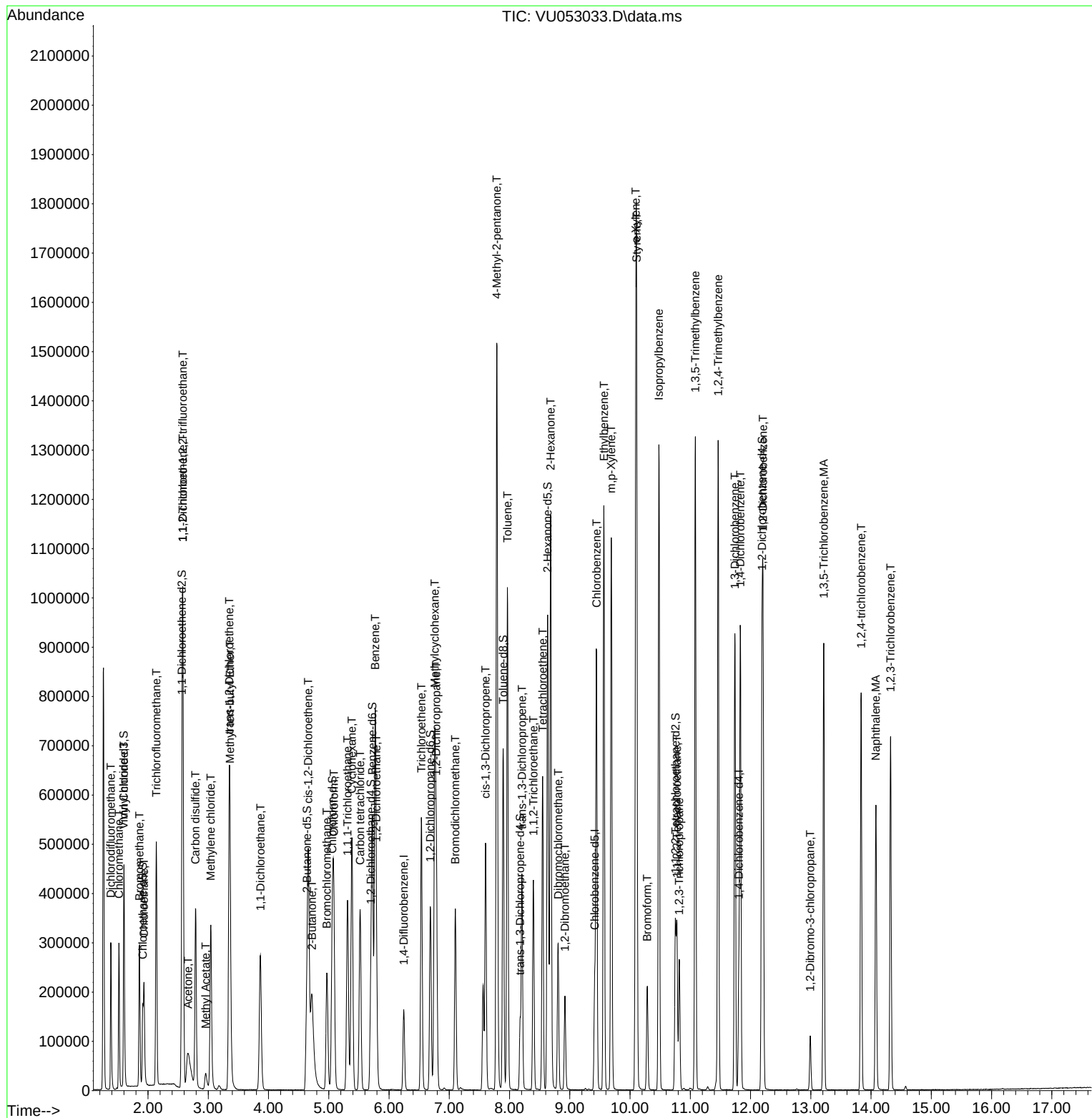
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	127026	19.116	ug/L	96
47) Tetrachloroethene	8.550	164	127492	20.580	ug/L	97
48) 2-Hexanone	8.682	43	702492	198.804	ug/L	100
49) Dibromochloromethane	8.807	129	149523	20.639	ug/L	98
50) 1,2-Dibromoethane	8.919	107	123450	20.135	ug/L	97
51) Chlorobenzene	9.444	112	461430	20.104	ug/L	99
52) Ethylbenzene	9.566	91	835318	20.006	ug/L	99
53) m,p-Xylene	9.688	106	316811	20.292	ug/L	97
54) o-Xylene	10.096	106	311312	20.569	ug/L	99
55) Styrene	10.109	104	519357	21.154	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	164148	19.523	ug/L	98
59) Bromoform	10.286	173	88557	20.498	ug/L	98
60) Isopropylbenzene	10.479	105	846681	19.691	ug/L	100
61) 1,2,3-Trichloropropane	10.816	75	111675	19.568	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	721108	19.859	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	723793	19.915	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	351466	20.184	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	347958	19.943	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	327503	20.171	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	28809	21.478	ug/L	96
69) 1,3,5-Trichlorobenzene	13.215	180	258977	20.879	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	225874	21.935	ug/L	98
71) Naphthalene	14.080	128	451037	21.840	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	200869	22.102	ug/L	99

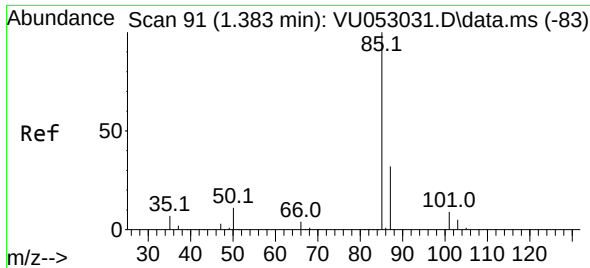
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
Data File : VU053033.D
Acq On : 10 Feb 2023 12:32
Operator : JC/MD
Sample : VSTD020011
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

Quant Time: Feb 10 23:04:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 10 23:01:28 2023
Response via : Initial Calibration

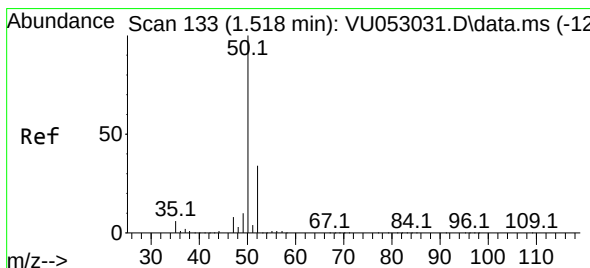
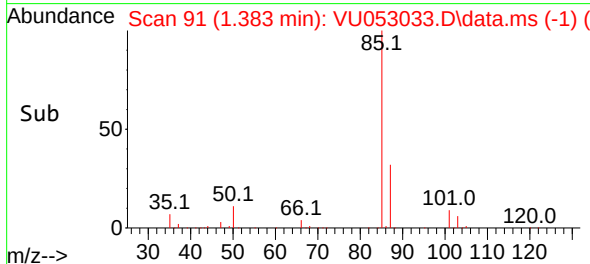
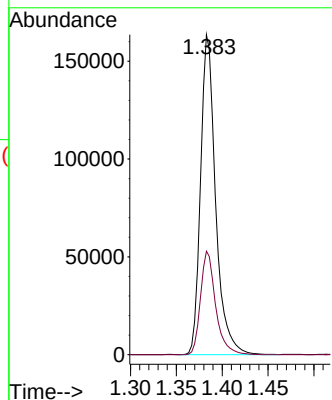
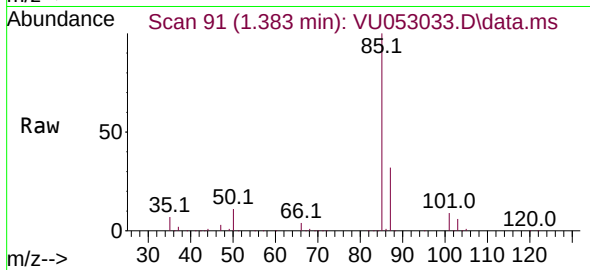




#2
 Dichlorodifluoromethane
 Concen: 19.394 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

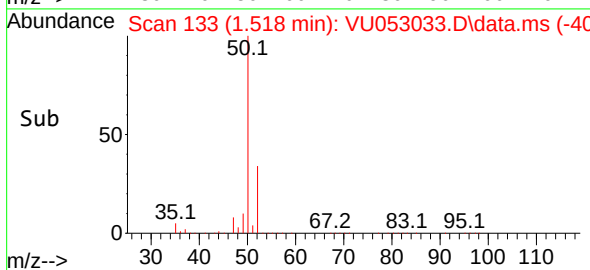
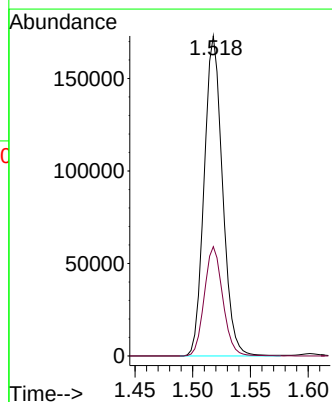
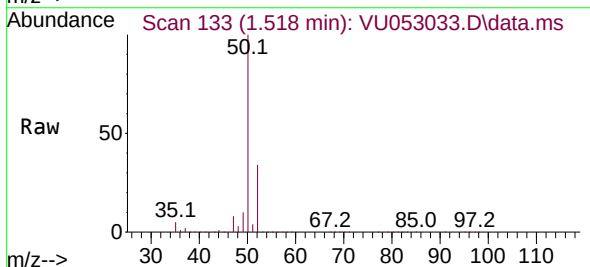
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

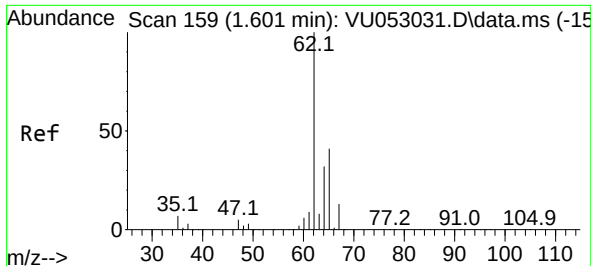
Tgt Ion: 85 Resp: 186939
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.5 38.3



#3
 Chloromethane
 Concen: 19.055 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

Tgt Ion: 50 Resp: 191372
 Ion Ratio Lower Upper
 50 100
 52 34.2 24.1 44.7

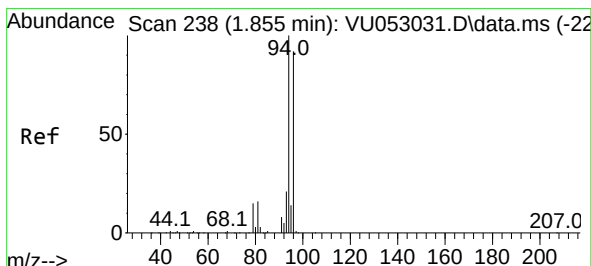
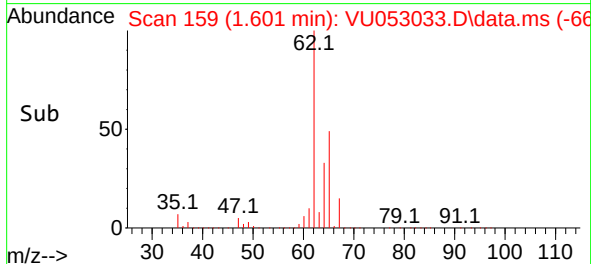
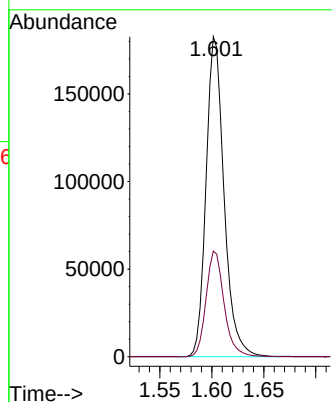
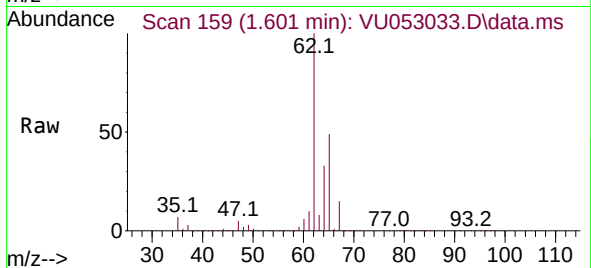




#5
 Vinyl chloride
 Concen: 19.846 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

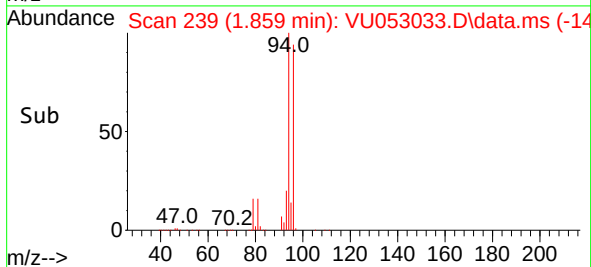
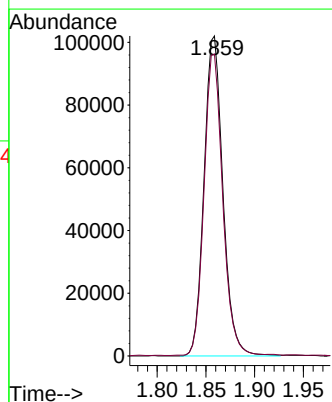
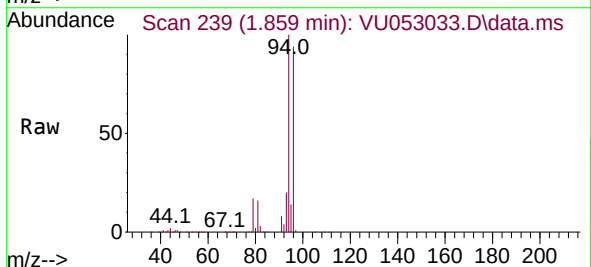
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

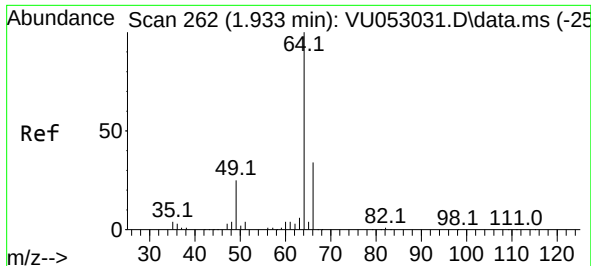
Tgt Ion: 62 Resp: 219589
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.5 41.9



#6
 Bromomethane
 Concen: 19.998 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.003 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

Tgt Ion: 94 Resp: 137607
 Ion Ratio Lower Upper
 94 100
 96 94.4 64.8 120.3

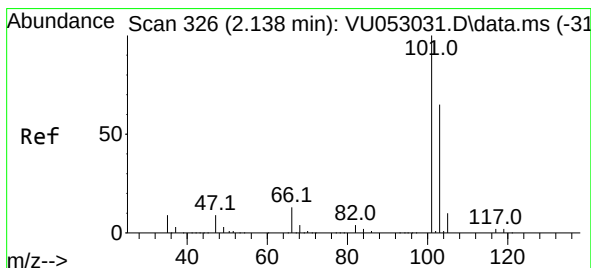
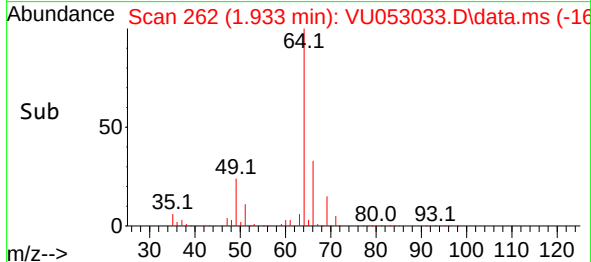
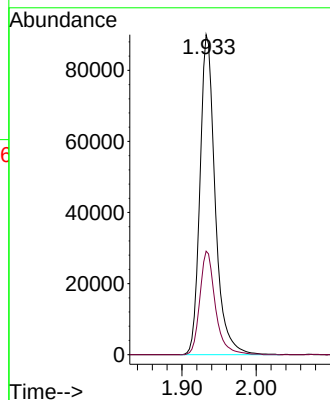
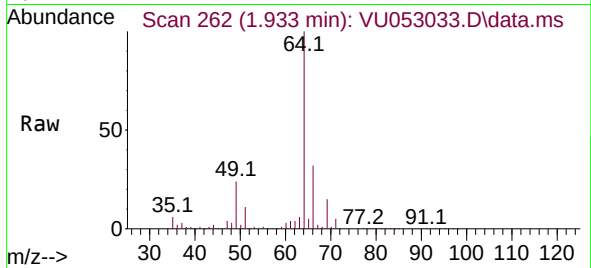




#8
Chloroethane
Concen: 19.693 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

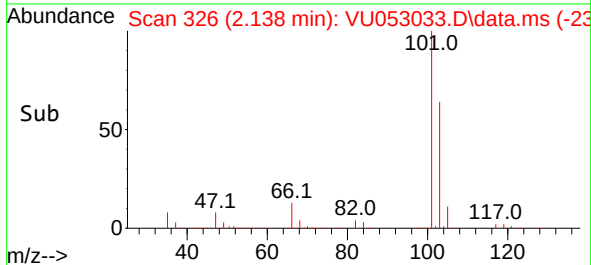
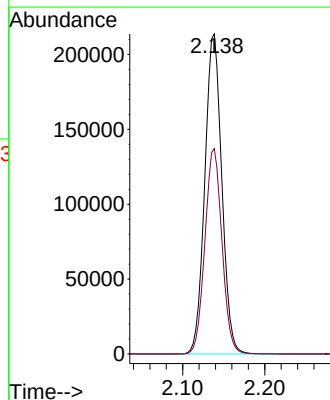
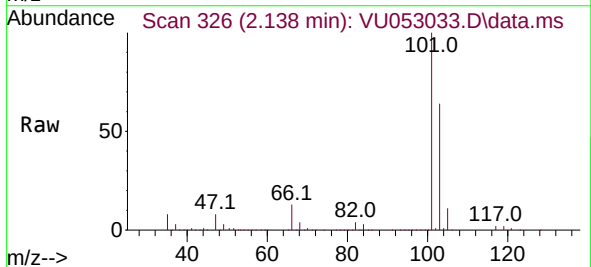
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

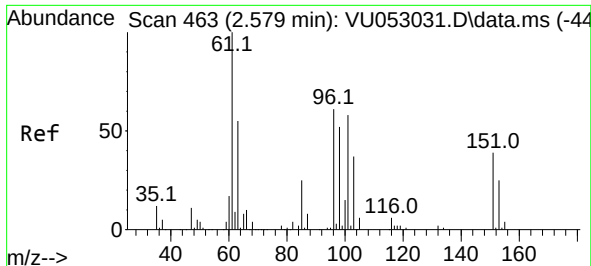
Tgt Ion: 64 Resp: 128309
Ion Ratio Lower Upper
64 100
66 32.3 23.9 44.3



#9
Trichlorofluoromethane
Concen: 20.225 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion:101 Resp: 308280
Ion Ratio Lower Upper
101 100
103 64.5 52.6 78.8

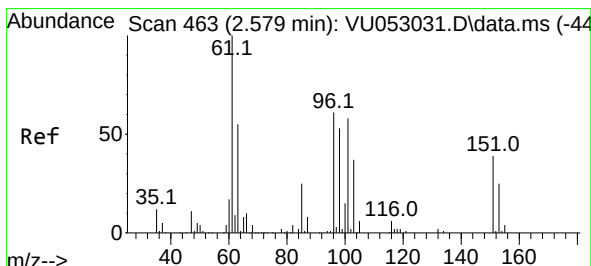
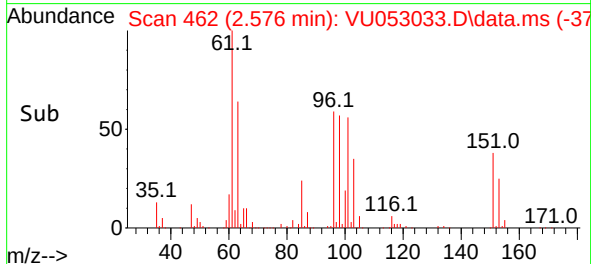
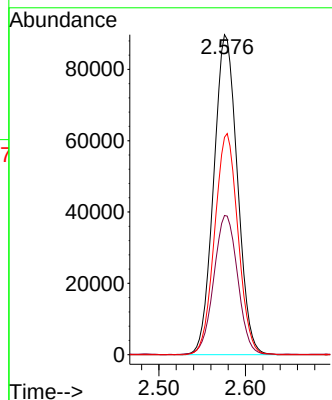
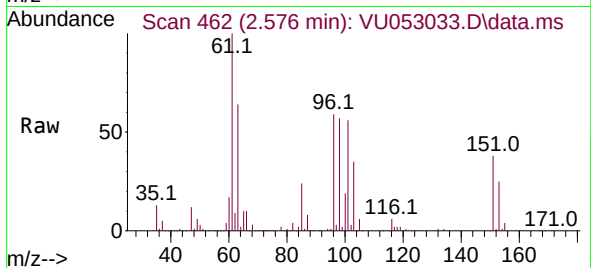




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.309 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

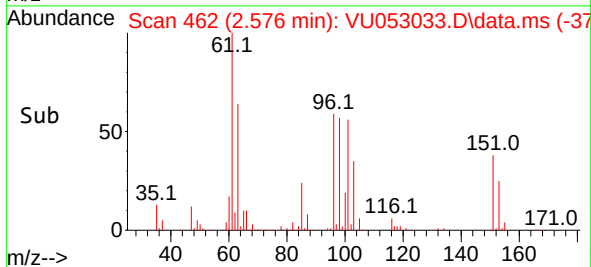
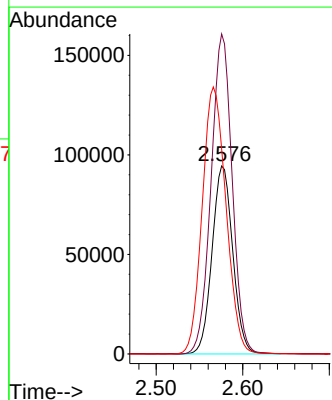
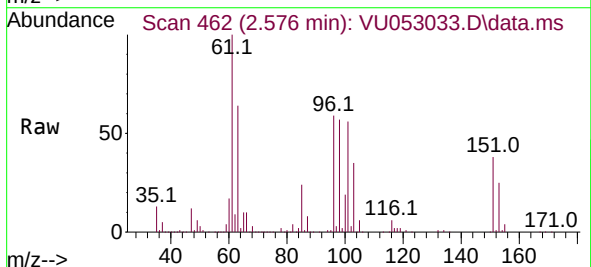
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

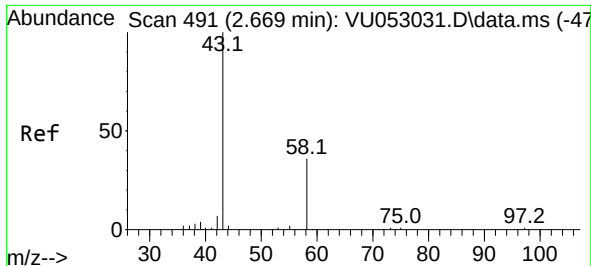
Tgt Ion:101 Resp: 170423
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.8 55.2
 151 68.3 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 20.215 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

Tgt Ion: 96 Resp: 157011
 Ion Ratio Lower Upper
 96 100
 61 170.1 115.1 213.7
 63 109.2 63.6 118.0





#13

Acetone

Concen: 167.085 ug/L

RT: 2.666 min Scan# 491

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

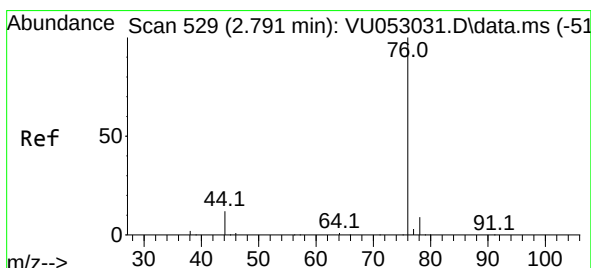
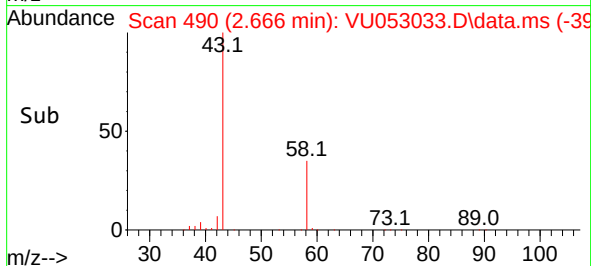
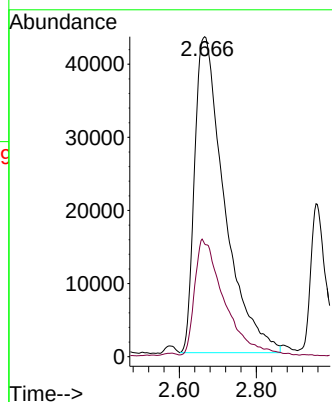
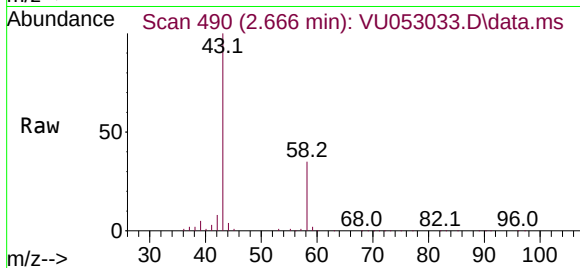
VSTD020011

Tgt Ion: 43 Resp: 232352

Ion Ratio Lower Upper

43 100

58 35.4 0.0 19.6#



#14

Carbon disulfide

Concen: 20.276 ug/L

RT: 2.788 min Scan# 528

Delta R.T. -0.003 min

Lab File: VU053033.D

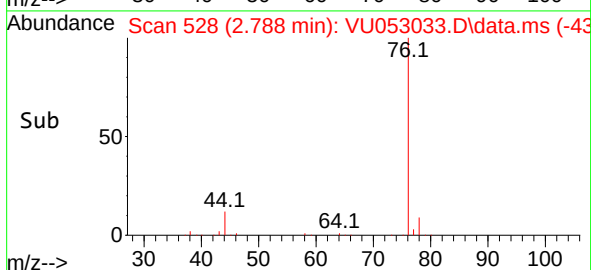
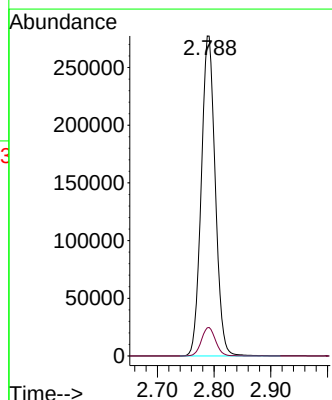
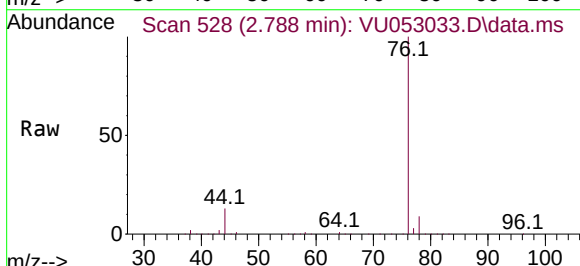
Acq: 10 Feb 2023 12:32

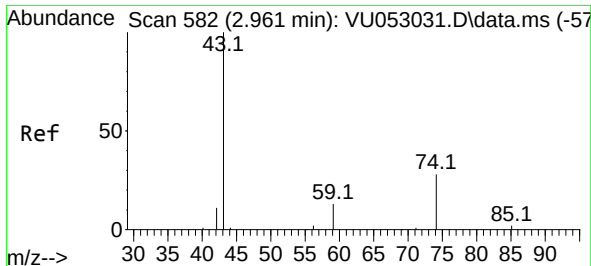
Tgt Ion: 76 Resp: 475524

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

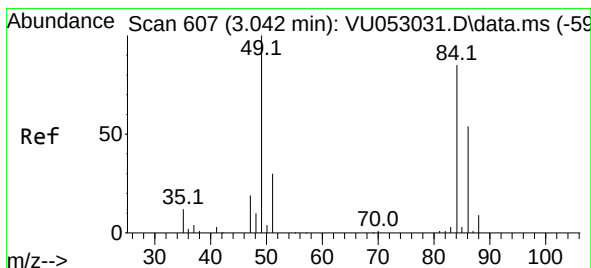
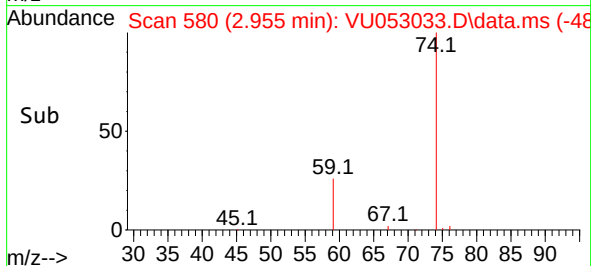
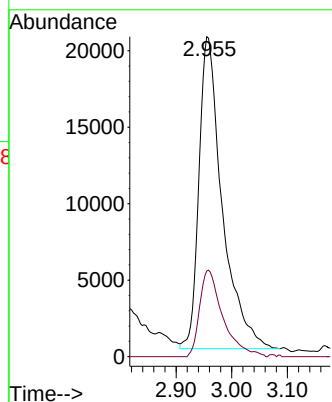
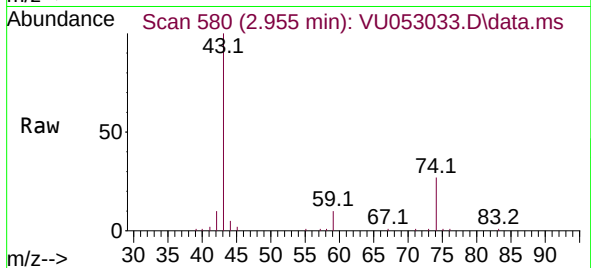




#15
Methyl Acetate
Concen: 17.879 ug/L
RT: 2.955 min Scan# 580
Delta R.T. -0.006 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

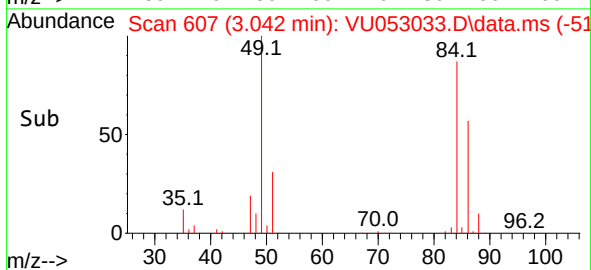
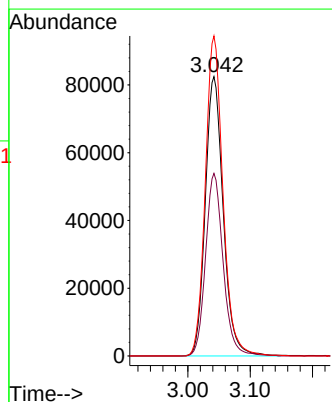
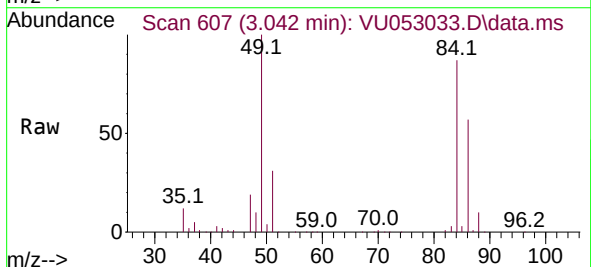
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

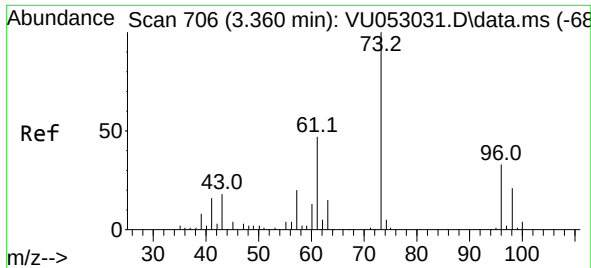
Tgt Ion: 43 Resp: 59341
Ion Ratio Lower Upper
43 100
74 27.6 14.3 21.5#



#16
Methylene chloride
Concen: 18.360 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 84 Resp: 164978
Ion Ratio Lower Upper
84 100
86 65.4 44.9 83.3
49 114.6 82.6 153.4

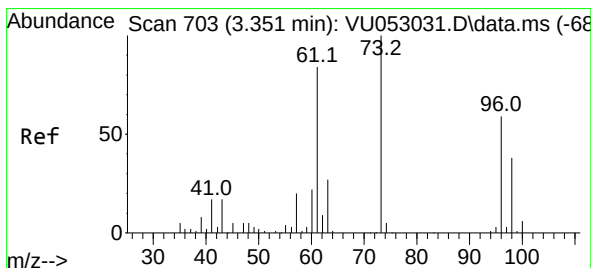
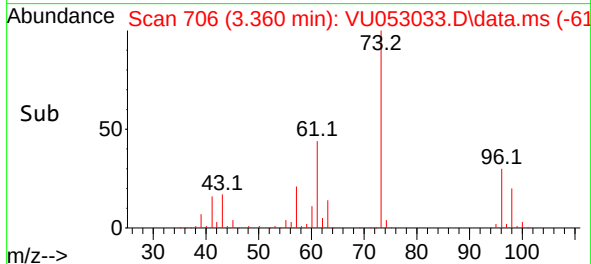
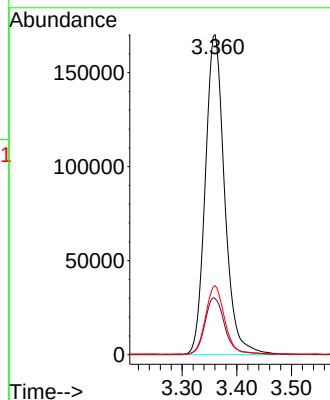
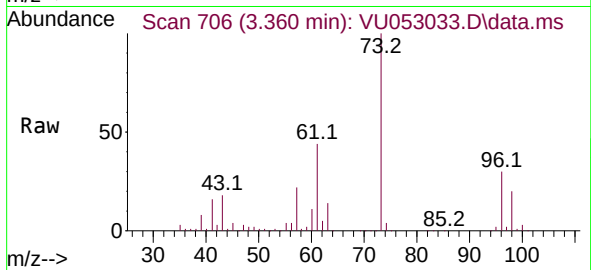




#17
Methyl tert-butyl Ether
Concen: 19.816 ug/L
RT: 3.360 min Scan# 706
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

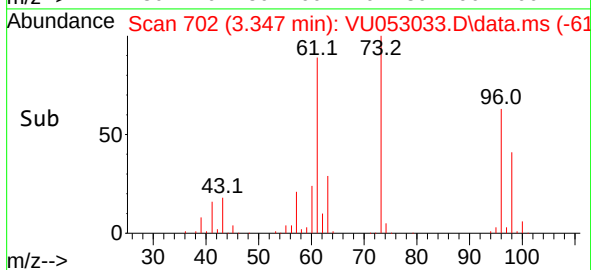
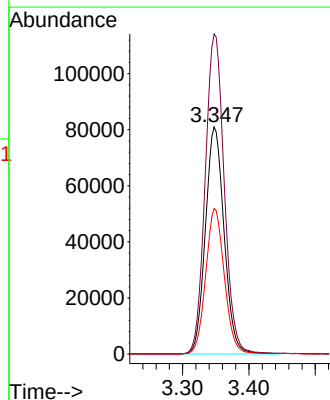
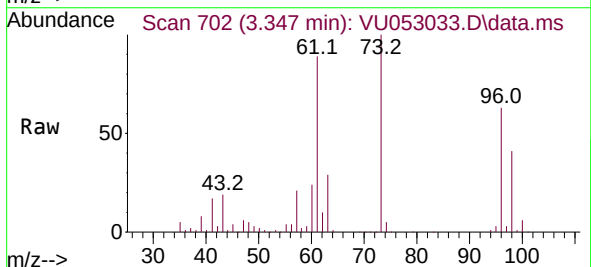
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

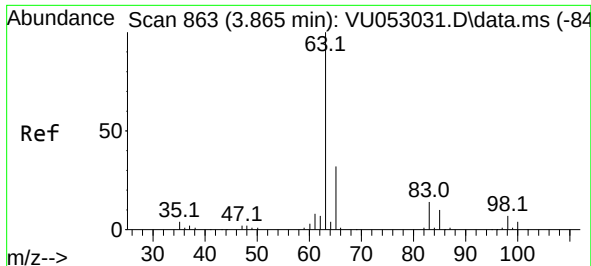
Tgt Ion: 73 Resp: 417929
Ion Ratio Lower Upper
73 100
43 17.8 14.6 21.8
57 21.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 19.352 ug/L
RT: 3.347 min Scan# 702
Delta R.T. -0.003 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 96 Resp: 159045
Ion Ratio Lower Upper
96 100
61 141.0 99.5 184.9
98 64.1 44.8 83.2





#19

1,1-Dichloroethane

Concen: 20.268 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

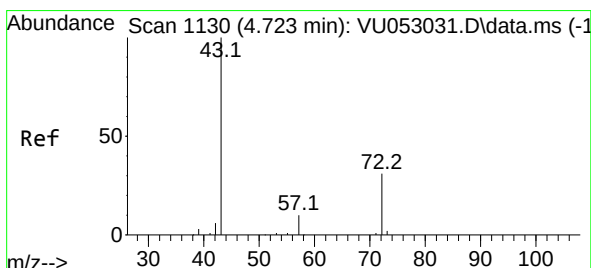
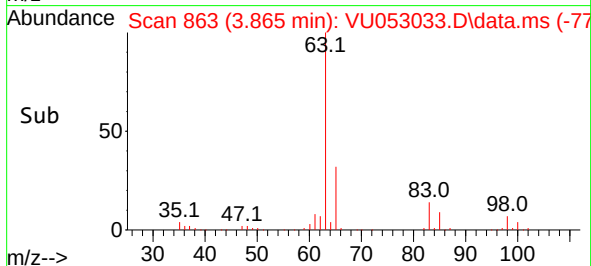
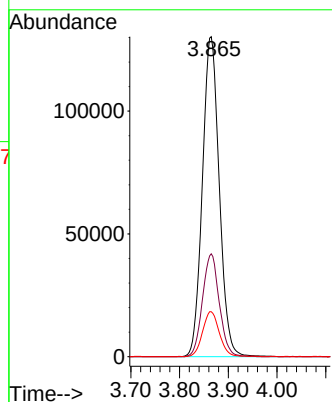
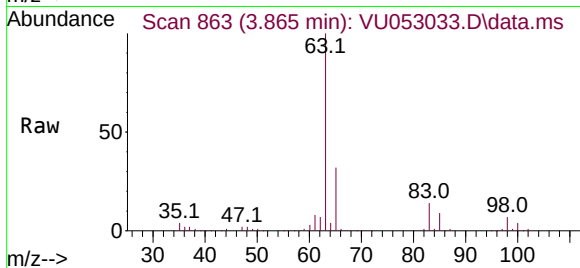
Tgt Ion: 63 Resp: 313724

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 14.1 9.8 18.2



#21

2-Butanone

Concen: 194.052 ug/L

RT: 4.720 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU053033.D

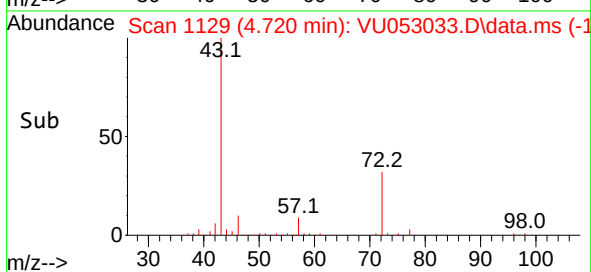
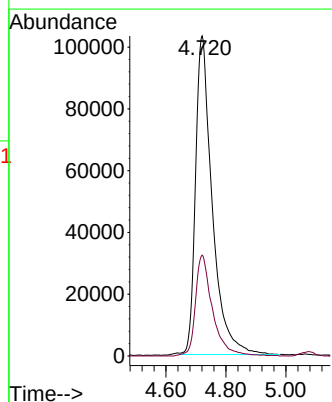
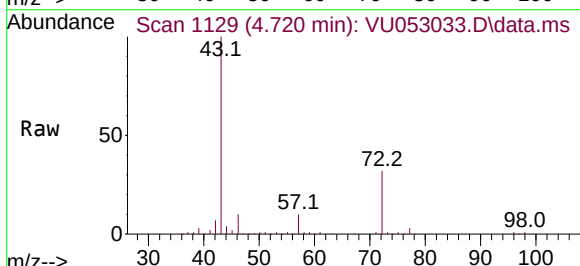
Acq: 10 Feb 2023 12:32

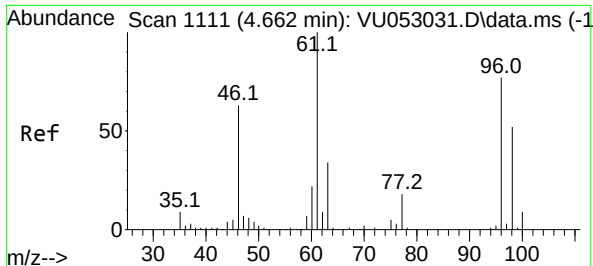
Tgt Ion: 43 Resp: 399864

Ion Ratio Lower Upper

43 100

72 32.3 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 19.724 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

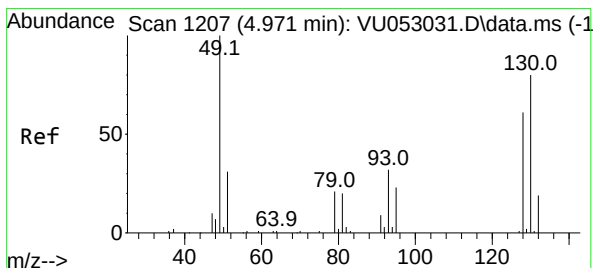
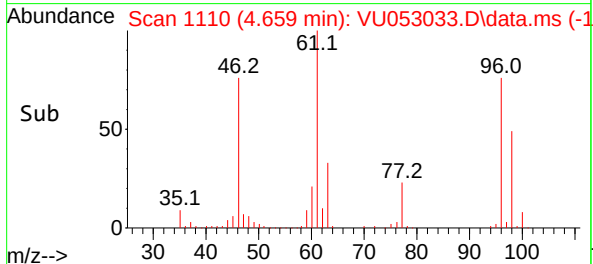
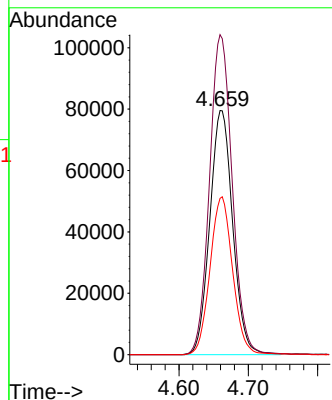
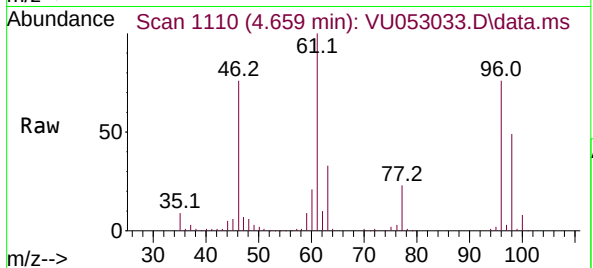
Tgt Ion: 96 Resp: 182943

Ion Ratio Lower Upper

96 100

61 131.1 90.9 168.9

98 64.1 47.0 87.4



#23

Bromochloromethane

Concen: 20.855 ug/L

RT: 4.968 min Scan# 1206

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Tgt Ion: 128 Resp: 76604

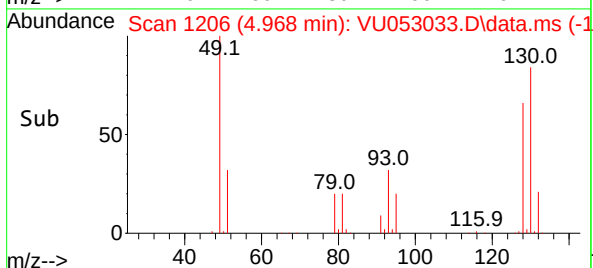
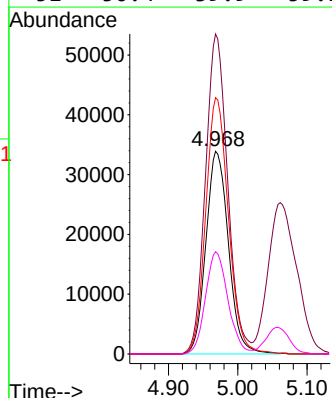
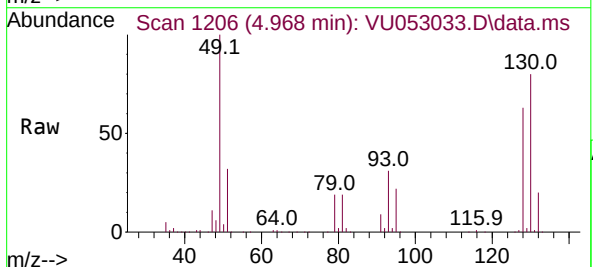
Ion Ratio Lower Upper

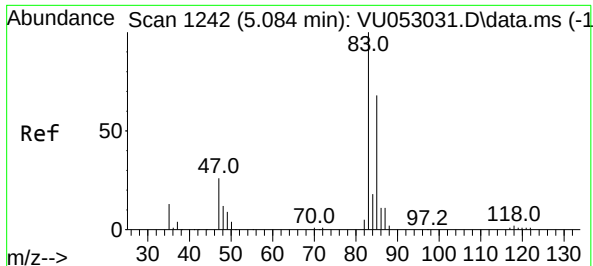
128 100

49 157.9 114.2 212.0

130 126.5 91.6 170.2

51 50.4 39.9 59.9





#25

Chloroform

Concen: 19.572 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

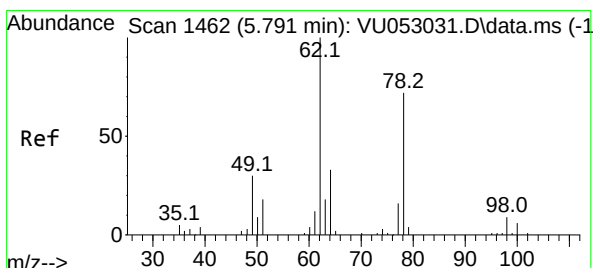
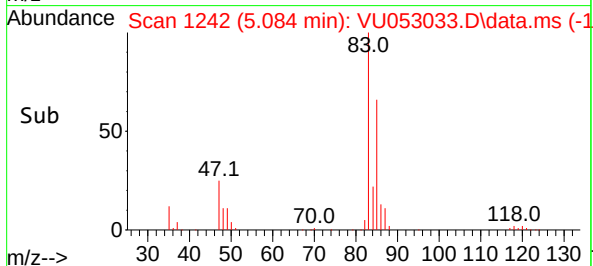
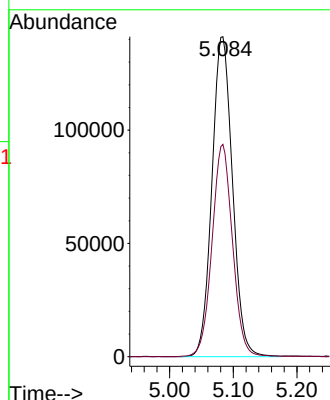
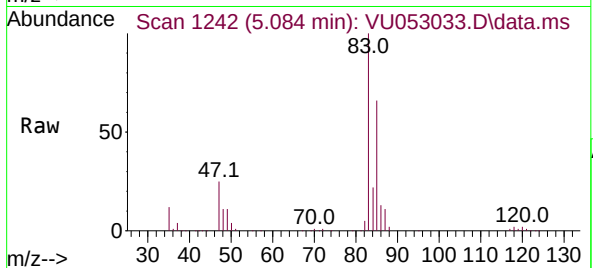
VSTD020011

Tgt Ion: 83 Resp: 316697

Ion Ratio Lower Upper

83 100

85 66.3 47.7 88.5



#27

1,2-Dichloroethane

Concen: 19.891 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VU053033.D

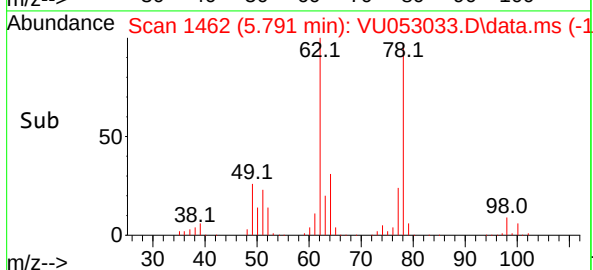
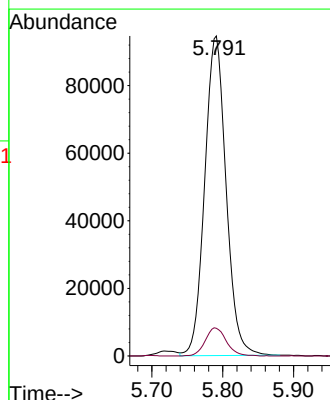
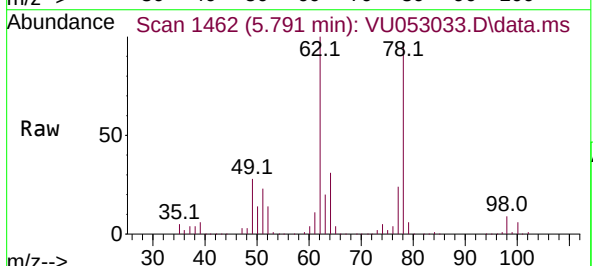
Acq: 10 Feb 2023 12:32

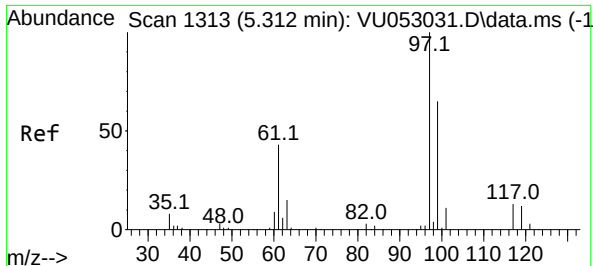
Tgt Ion: 62 Resp: 197853

Ion Ratio Lower Upper

62 100

98 8.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 19.602 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

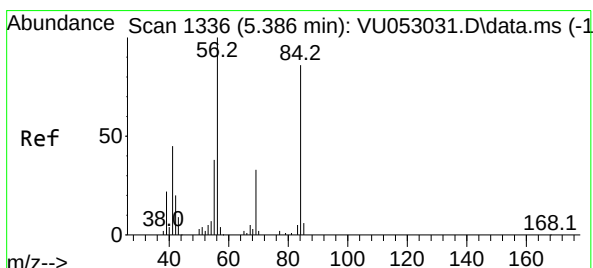
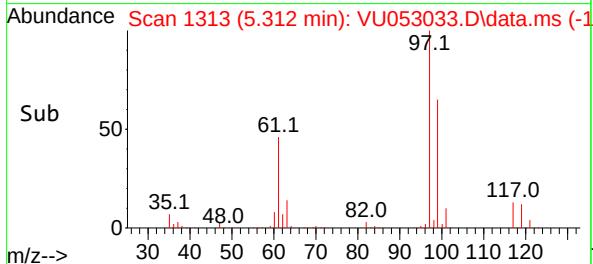
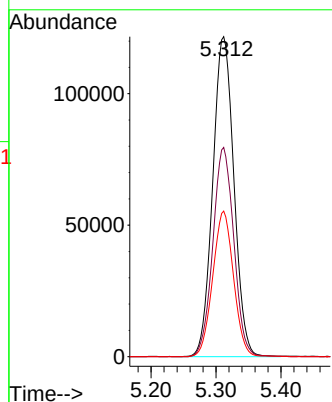
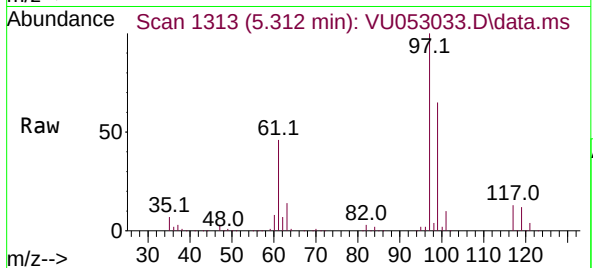
Tgt Ion: 97 Resp: 275256

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 44.7 34.2 51.4



#30

Cyclohexane

Concen: 19.578 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

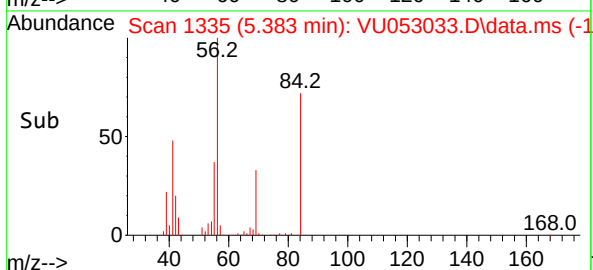
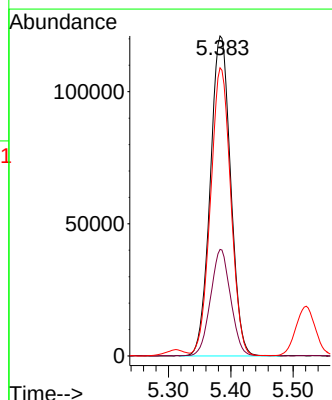
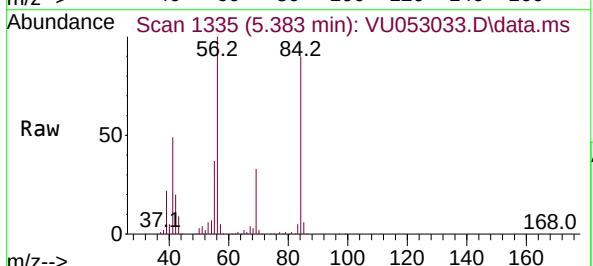
Tgt Ion: 56 Resp: 274897

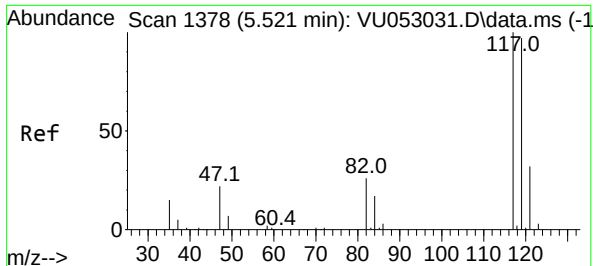
Ion Ratio Lower Upper

56 100

69 32.5 27.0 40.6

84 89.5 70.8 106.2

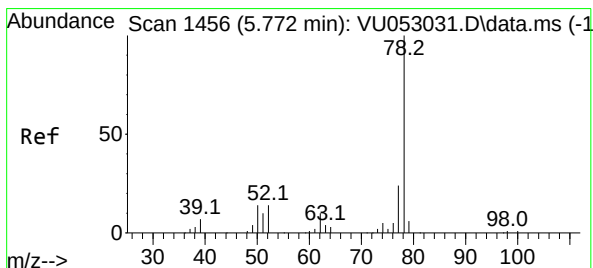
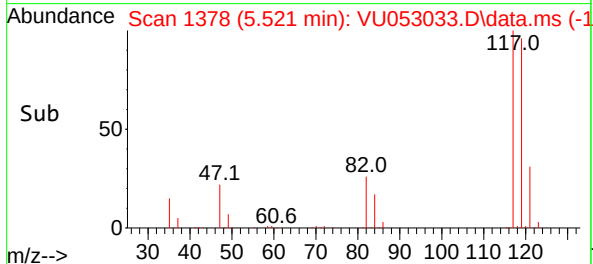
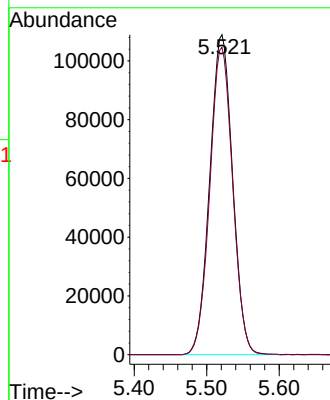
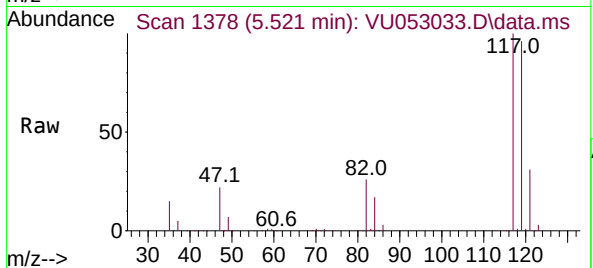




#31
Carbon tetrachloride
Concen: 20.338 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

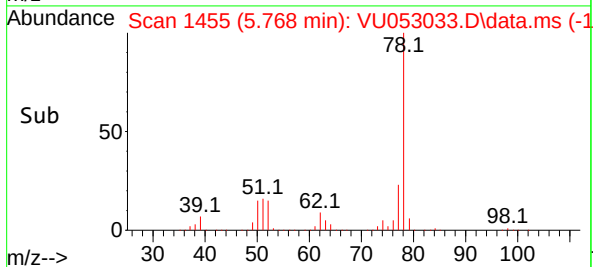
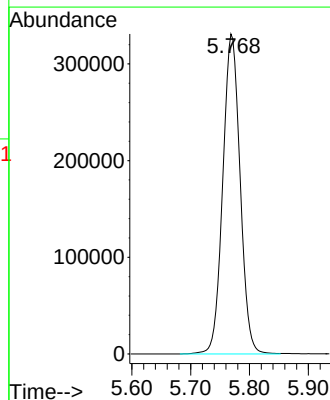
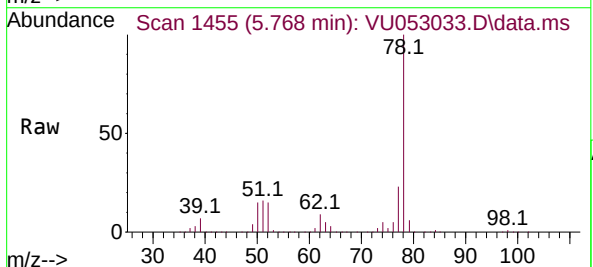
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

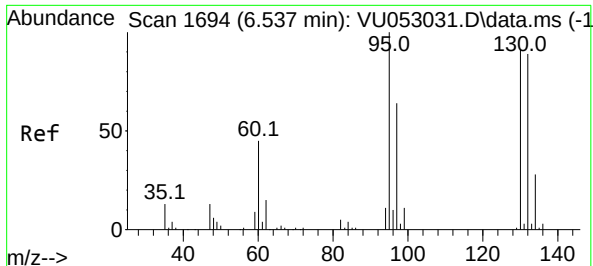
Tgt Ion:117 Resp: 238368
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0



#33
Benzene
Concen: 19.985 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.003 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 78 Resp: 676908

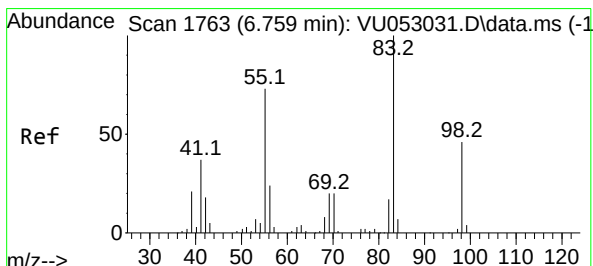
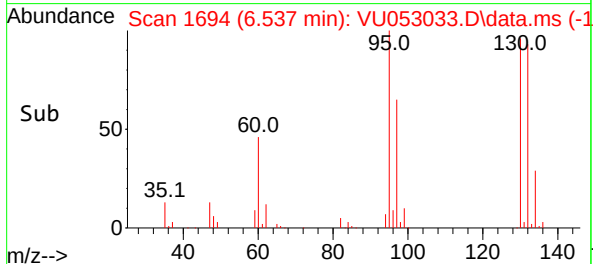
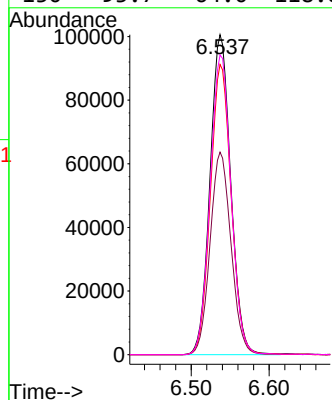
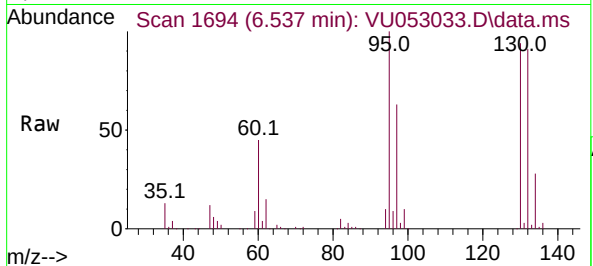




#34
Trichloroethene
Concen: 19.577 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

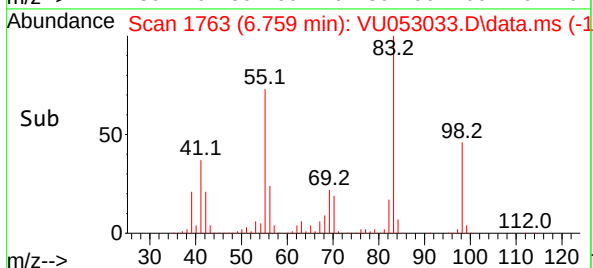
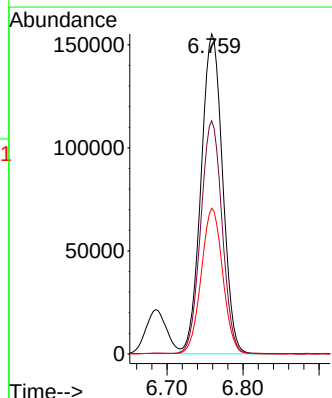
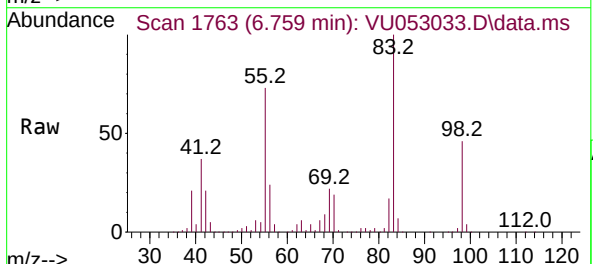
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

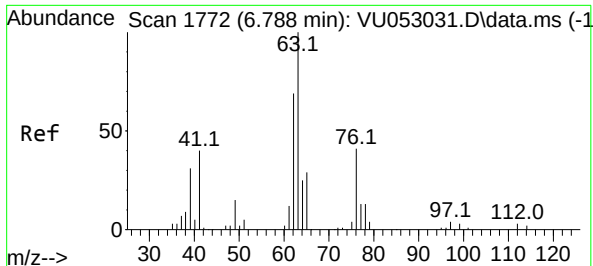
Tgt Ion: 95 Resp: 186581
Ion Ratio Lower Upper
95 100
97 63.3 44.7 82.9
132 90.7 62.3 115.7
130 93.7 64.0 118.8



#35
Methylcyclohexane
Concen: 19.775 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 83 Resp: 305133
Ion Ratio Lower Upper
83 100
55 72.4 57.9 86.9
98 45.5 36.4 54.6





#37

1,2-Dichloropropane

Concen: 20.074 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

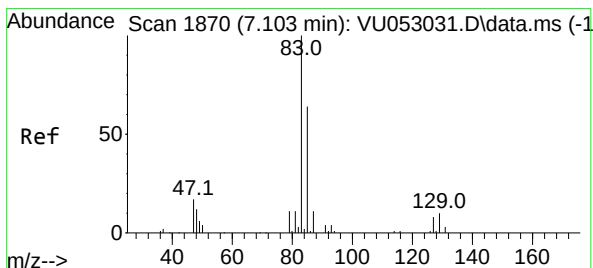
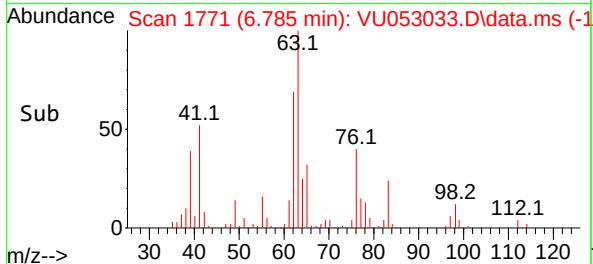
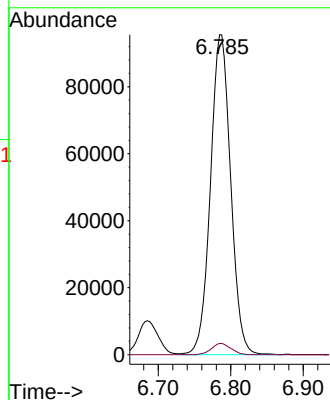
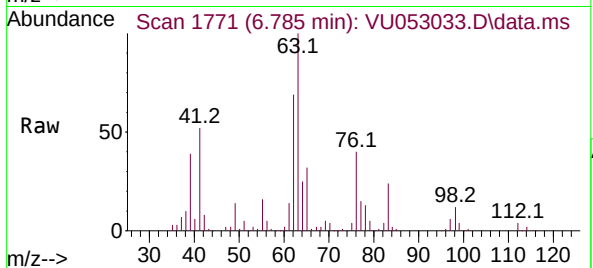
VSTD020011

Tgt Ion: 63 Resp: 185138

Ion Ratio Lower Upper

63 100

112 3.3 2.7 4.1



#38

Bromodichloromethane

Concen: 19.308 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

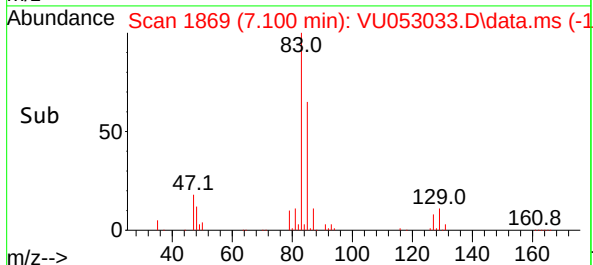
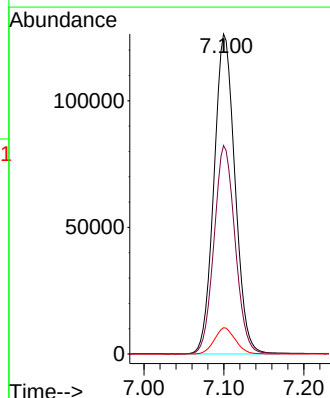
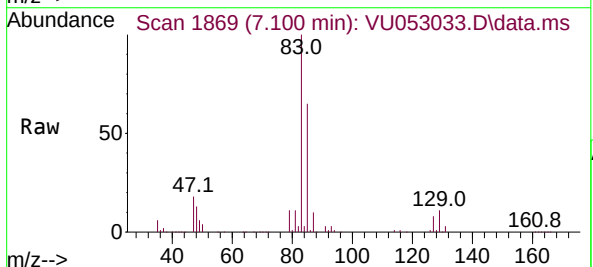
Tgt Ion: 83 Resp: 230907

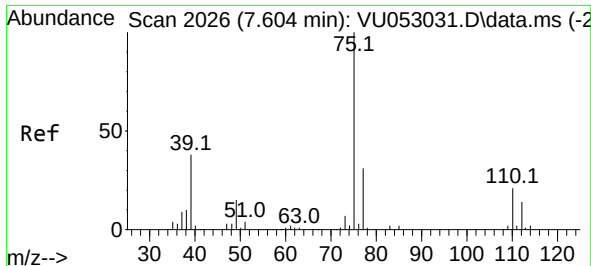
Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

127 8.2 6.3 9.5

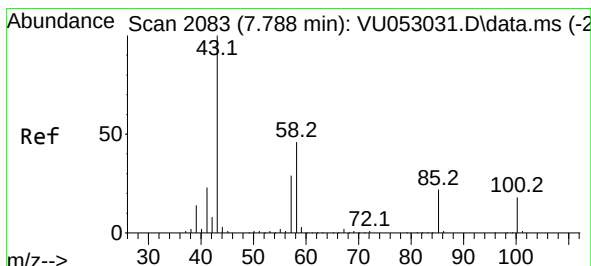
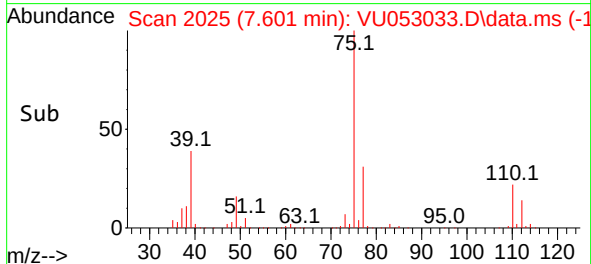
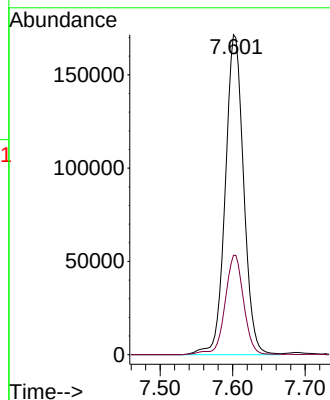
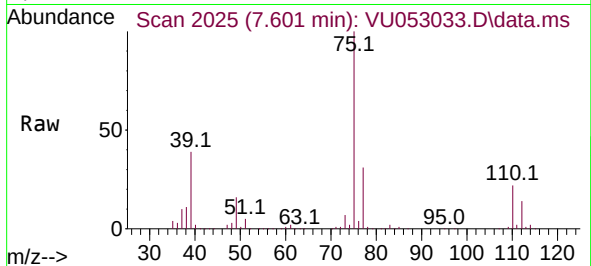




#39
 cis-1,3-Dichloropropene
 Concen: 20.525 ug/L
 RT: 7.601 min Scan# 2025
 Delta R.T. -0.003 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

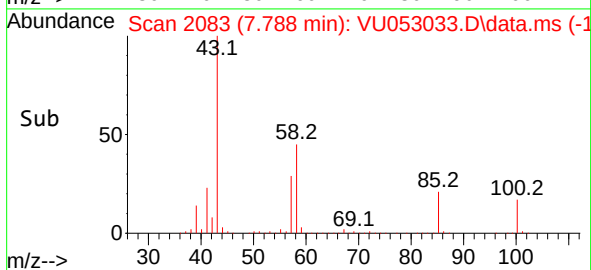
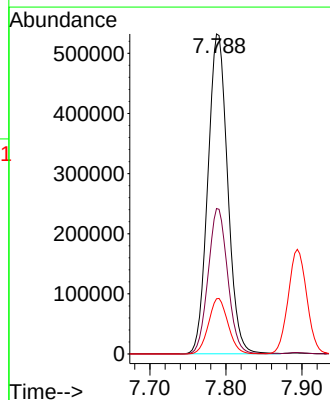
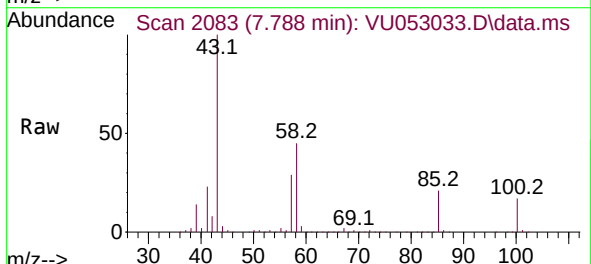
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

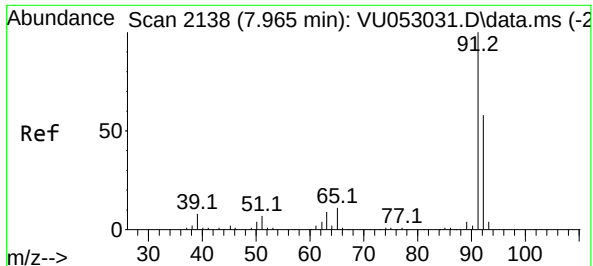
Tgt Ion: 75 Resp: 301939
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 199.588 ug/L
 RT: 7.788 min Scan# 2083
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

Tgt Ion: 43 Resp: 960930
 Ion Ratio Lower Upper
 43 100
 58 45.0 35.9 53.9
 100 17.2 13.8 20.6





#42

Toluene

Concen: 19.994 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

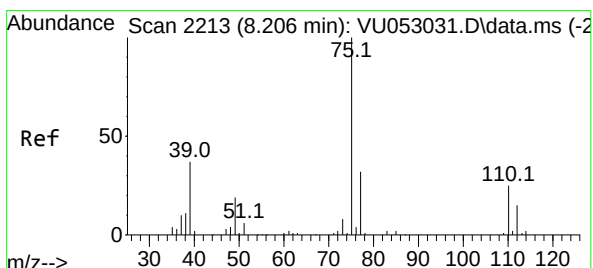
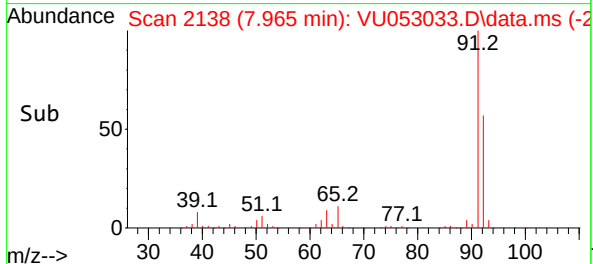
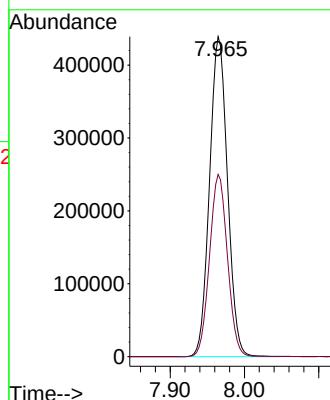
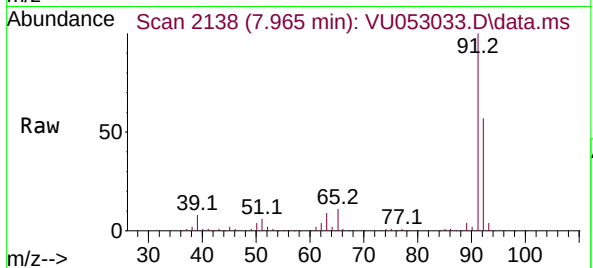
VSTD020011

Tgt Ion: 91 Resp: 735606

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 20.421 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053033.D

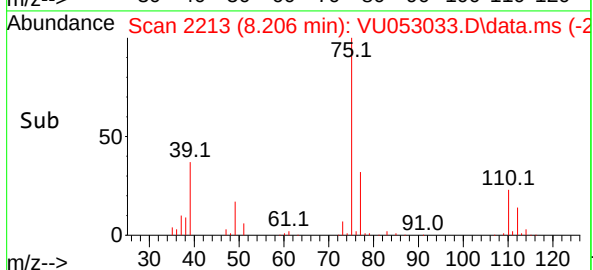
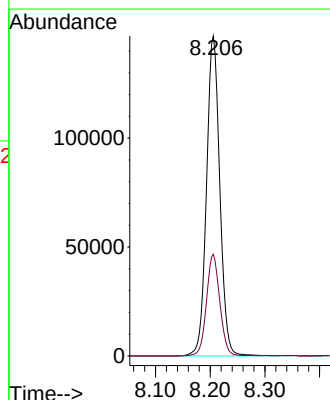
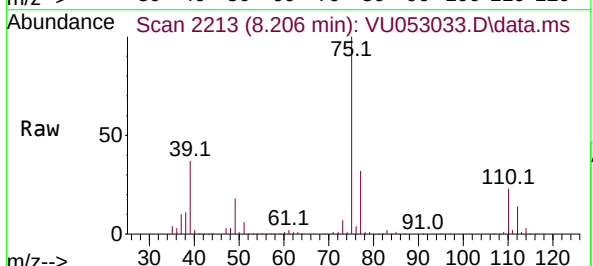
Acq: 10 Feb 2023 12:32

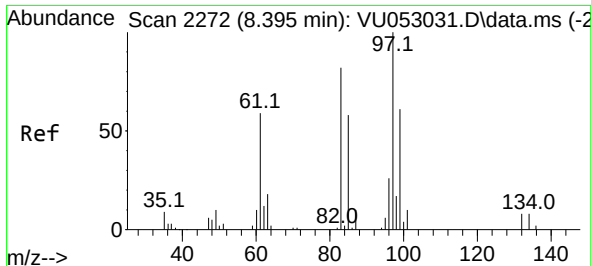
Tgt Ion: 75 Resp: 247817

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

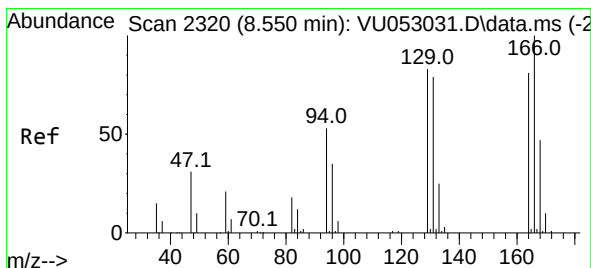
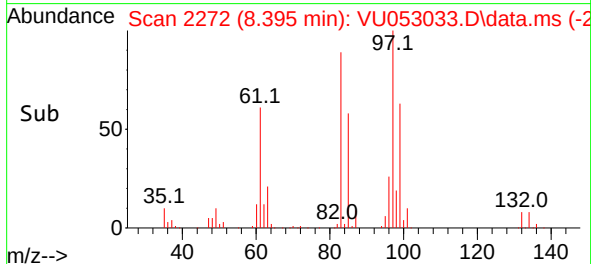
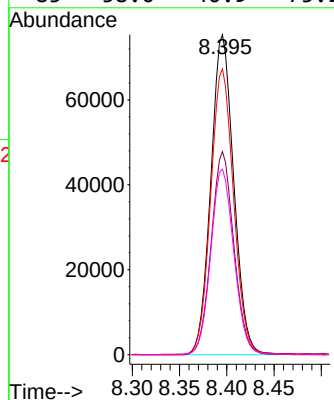
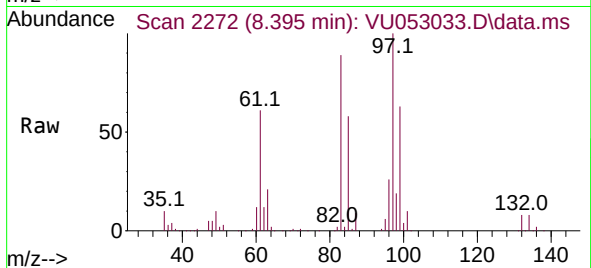




#45
1,1,2-Trichloroethane
Concen: 19.116 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

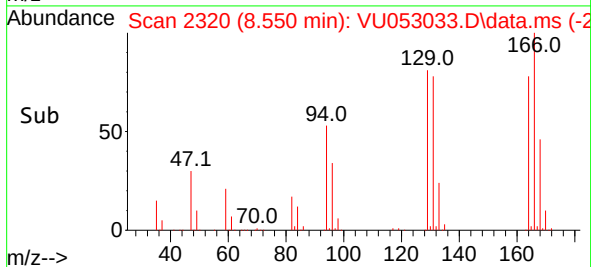
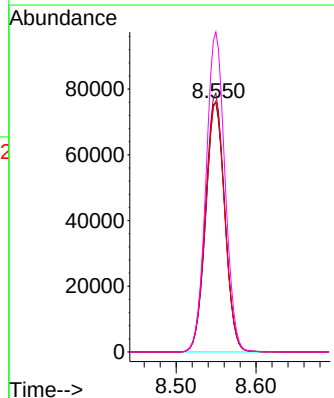
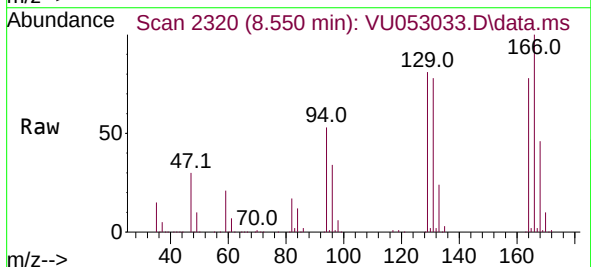
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

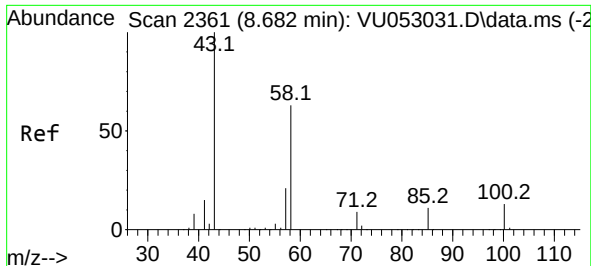
Tgt Ion:	97	Resp:	127026
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	79.8
83	89.3	58.0	107.8
85	58.0	40.9	75.9



#47
Tetrachloroethene
Concen: 20.580 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion:	164	Resp:	127492
Ion	Ratio	Lower	Upper
164	100		
129	103.6	71.7	133.1
131	100.4	67.8	126.0
166	128.2	86.4	160.4

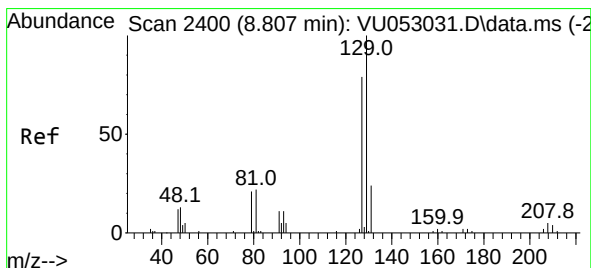
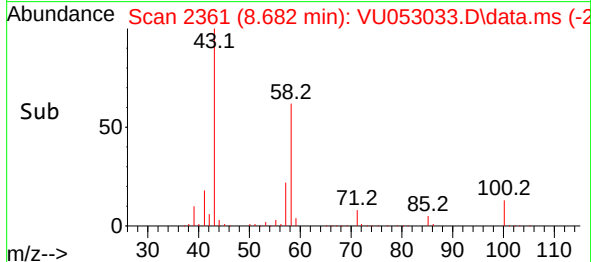
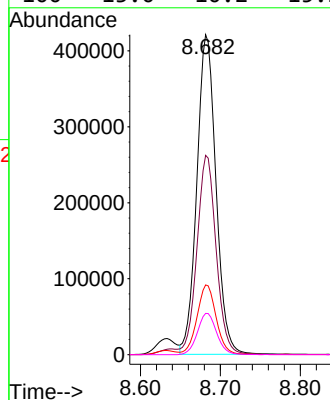
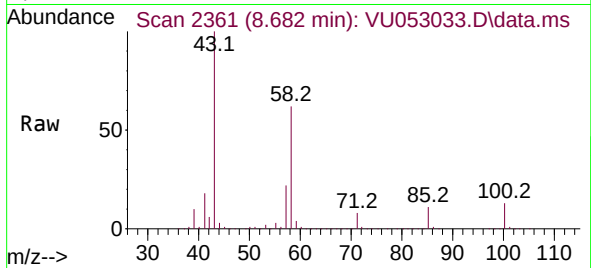




#48
2-Hexanone
Concen: 198.804 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

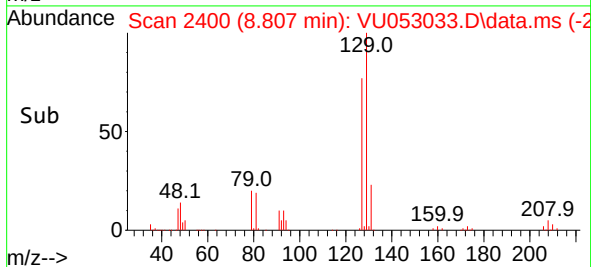
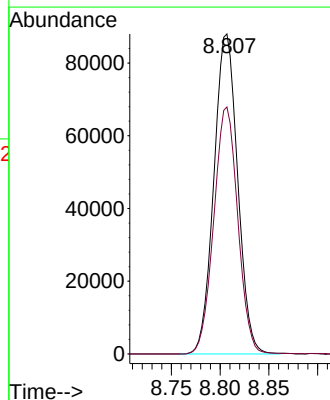
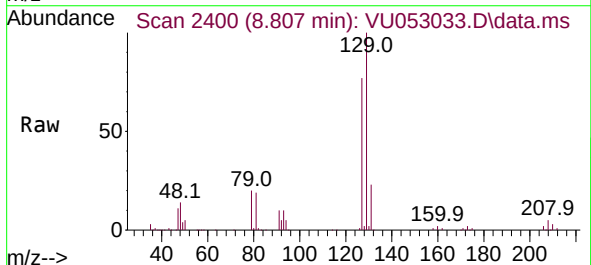
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

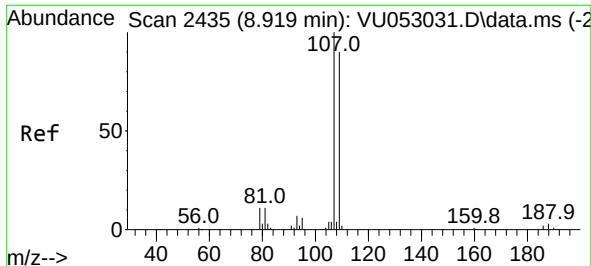
Tgt Ion:	43	Resp:	702492
Ion	Ratio	Lower	Upper
43	100		
58	62.6	50.3	75.5
57	21.8	17.4	26.0
100	13.0	10.2	15.2



#49
Dibromochloromethane
Concen: 20.639 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion:	129	Resp:	149523
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.9	102.1





#50

1,2-Dibromoethane

Concen: 20.135 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

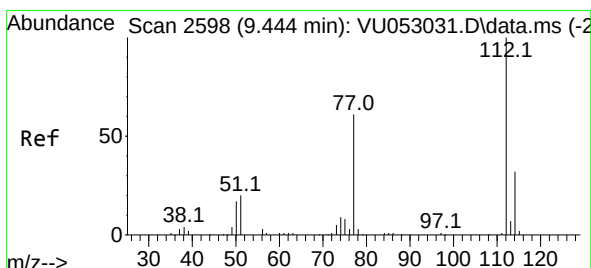
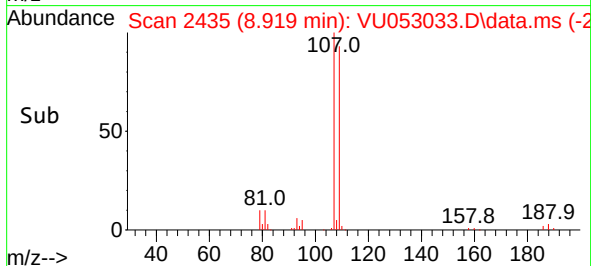
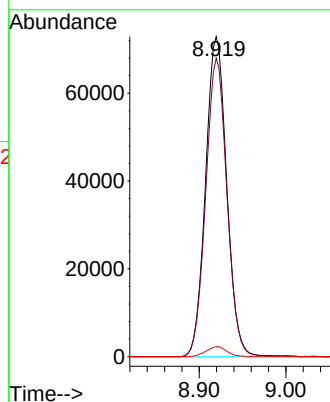
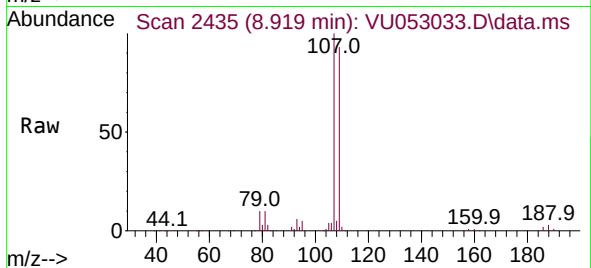
Tgt Ion:107 Resp: 123450

Ion Ratio Lower Upper

107 100

109 93.3 63.1 117.1

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 20.104 ug/L

RT: 9.444 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

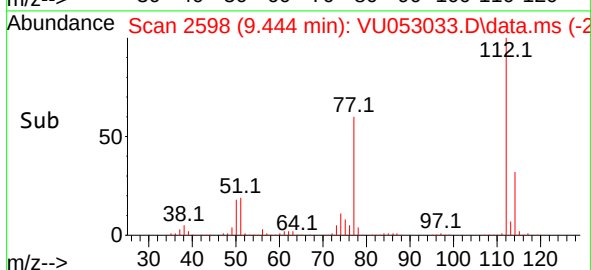
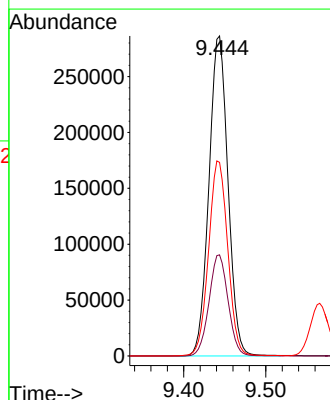
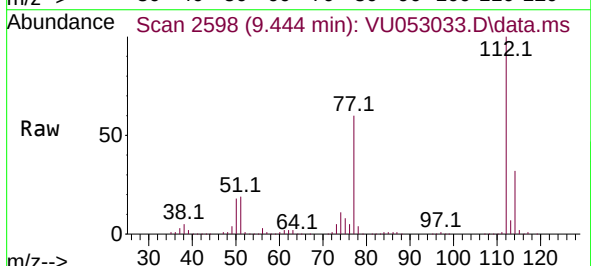
Tgt Ion:112 Resp: 461430

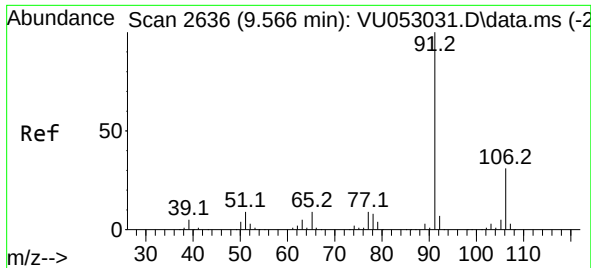
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.3

77 60.5 48.9 73.3

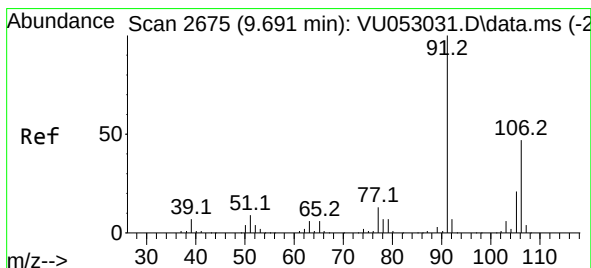
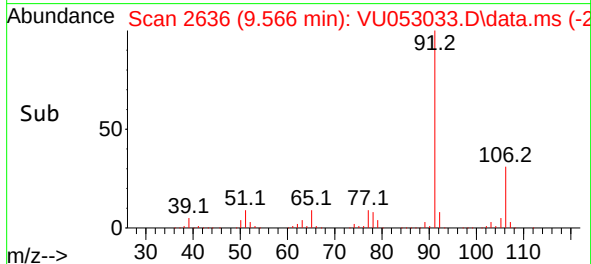
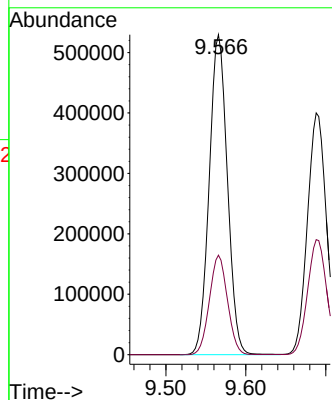
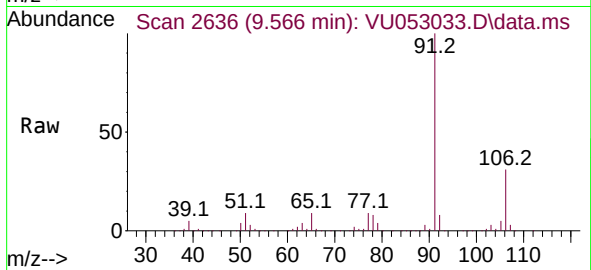




#52
Ethylbenzene
Concen: 20.006 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

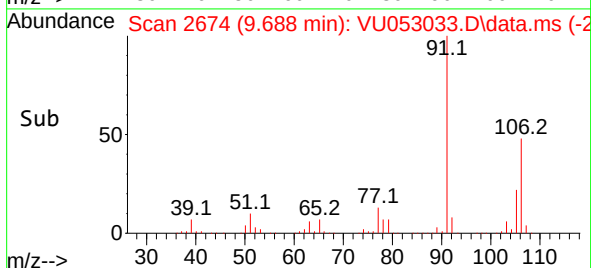
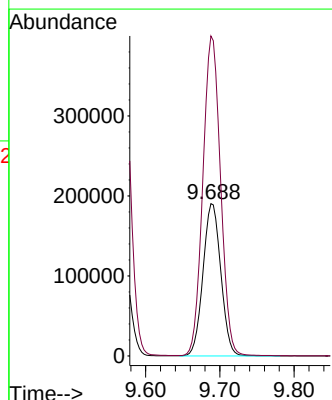
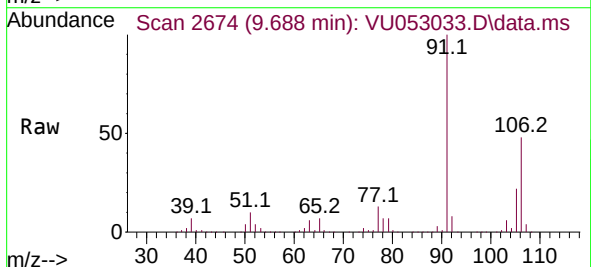
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

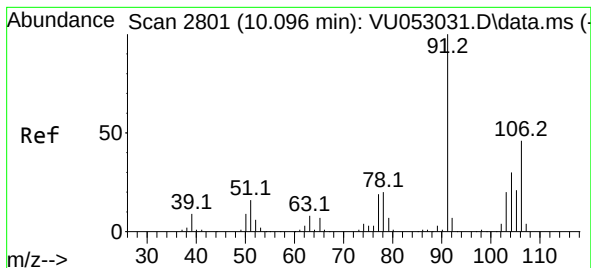
Tgt Ion: 91 Resp: 835318
Ion Ratio Lower Upper
91 100
106 31.1 21.4 39.8



#53
m,p-Xylene
Concen: 20.292 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.003 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 106 Resp: 316811
Ion Ratio Lower Upper
106 100
91 210.1 149.9 278.3





#54

o-Xylene

Concen: 20.569 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

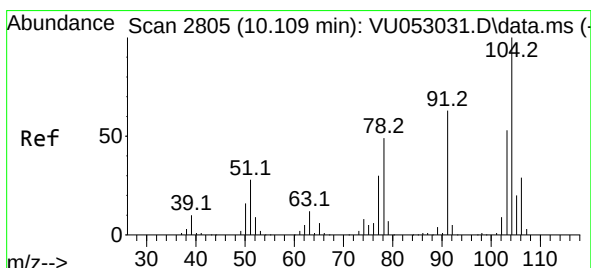
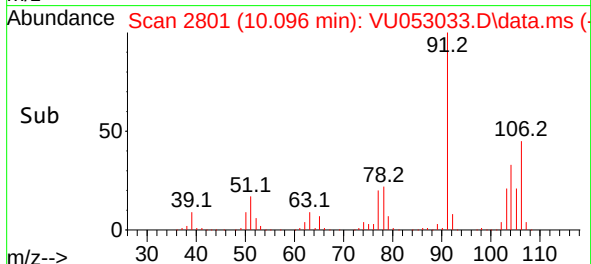
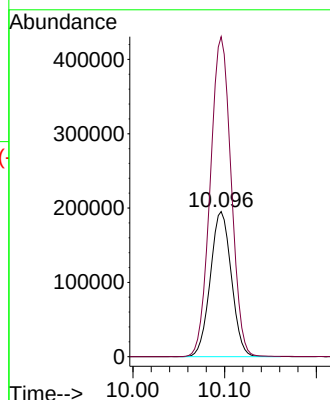
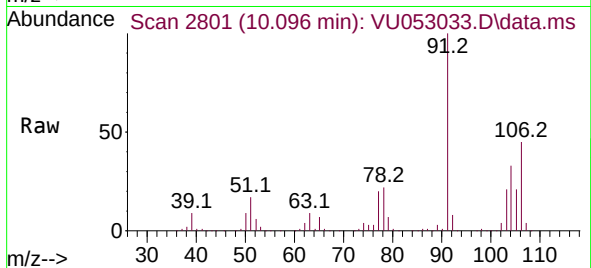
VSTD020011

Tgt Ion:106 Resp: 311312

Ion Ratio Lower Upper

106 100

91 220.4 153.6 285.2



#55

Styrene

Concen: 21.154 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053033.D

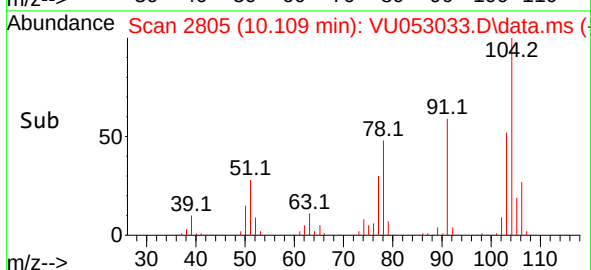
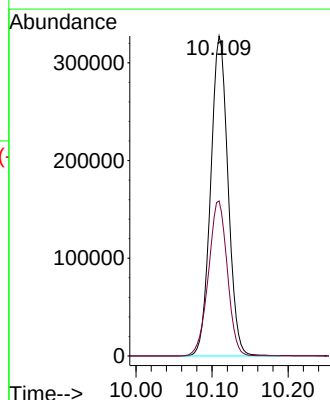
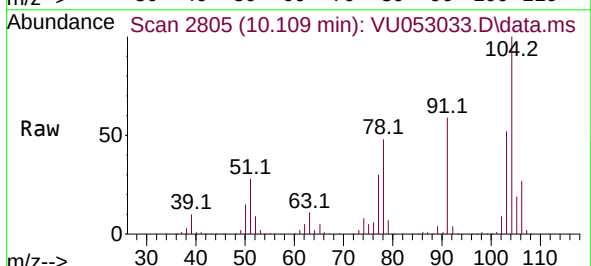
Acq: 10 Feb 2023 12:32

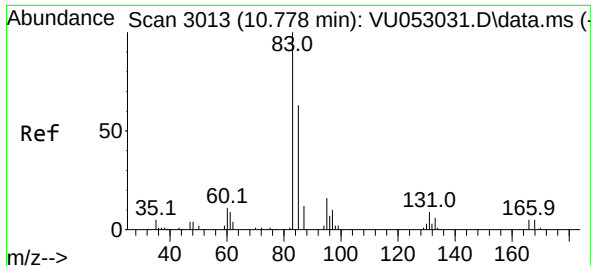
Tgt Ion:104 Resp: 519357

Ion Ratio Lower Upper

104 100

78 48.4 34.3 63.7

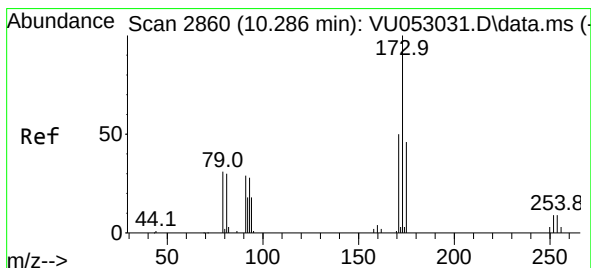
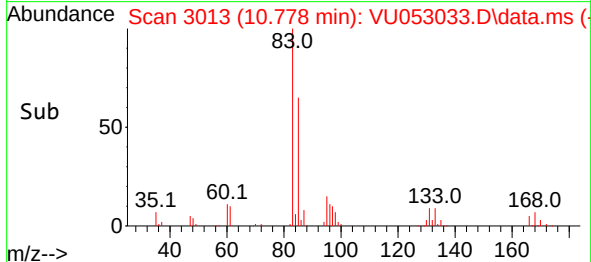
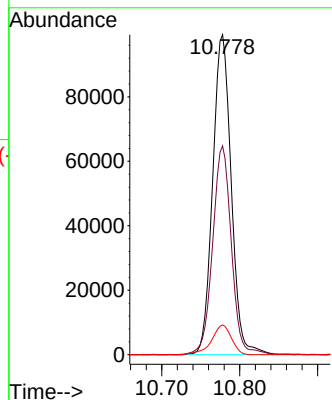
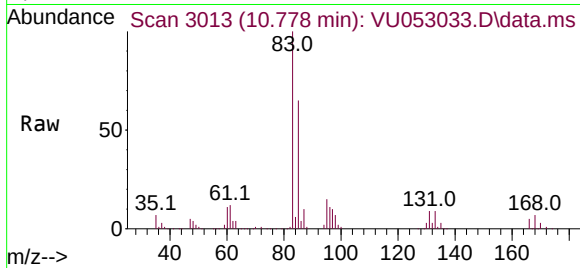




#57
1,1,2,2-Tetrachloroethane
Concen: 19.523 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

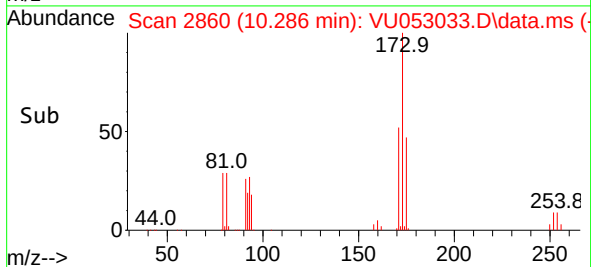
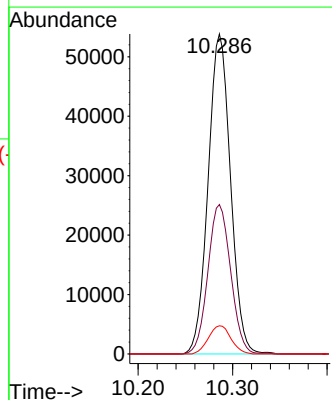
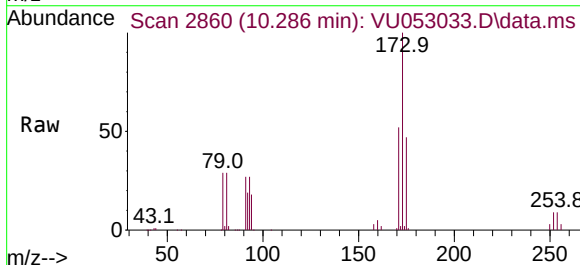
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

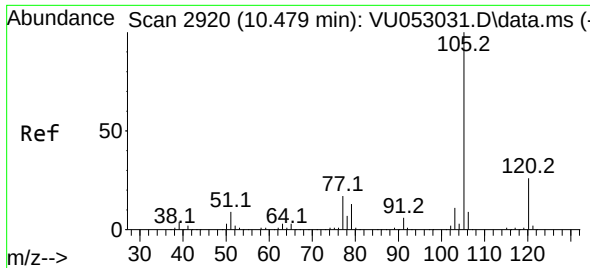
Tgt Ion: 83 Resp: 164148
Ion Ratio Lower Upper
83 100
85 65.3 44.7 82.9
131 9.3 7.8 11.6



#59
Bromoform
Concen: 20.498 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 173 Resp: 88557
Ion Ratio Lower Upper
173 100
175 47.4 38.9 58.3
254 8.9 7.0 10.4

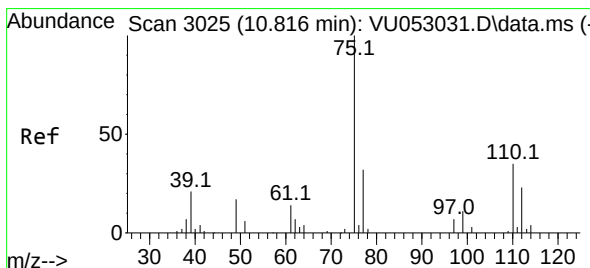
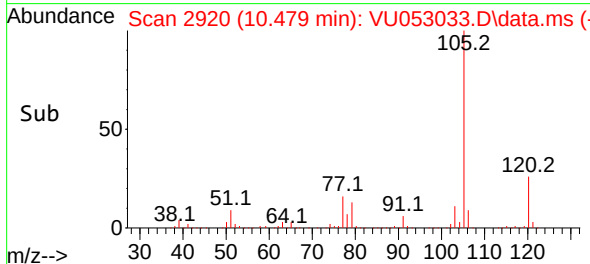
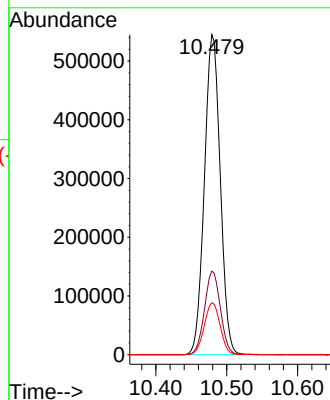
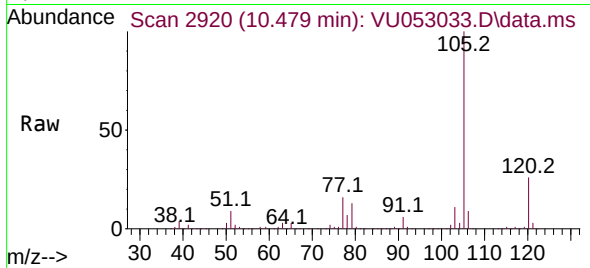




#60
Isopropylbenzene
Concen: 19.691 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

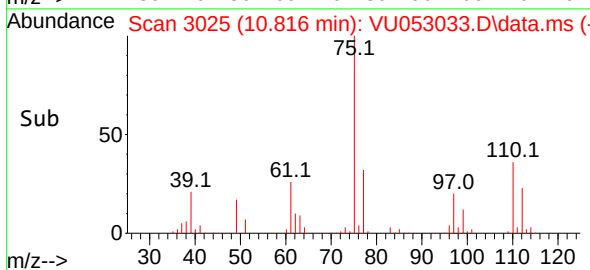
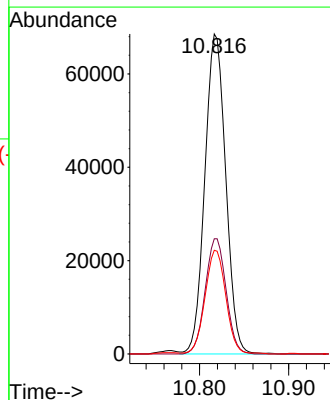
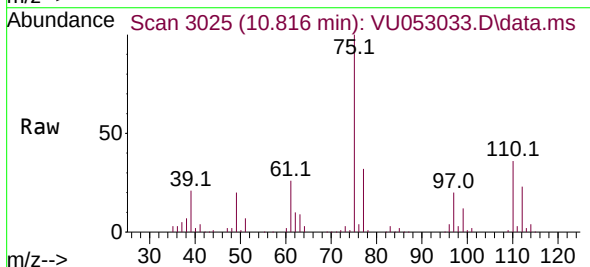
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

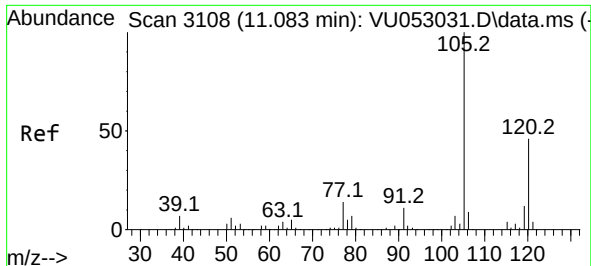
Tgt Ion:105 Resp: 846681
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 19.568 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion: 75 Resp: 111675
Ion Ratio Lower Upper
75 100
110 35.9 28.6 42.8
77 32.4 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 19.859 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

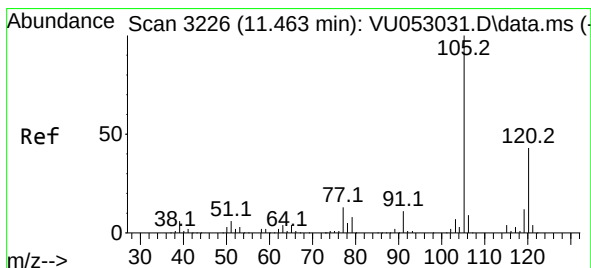
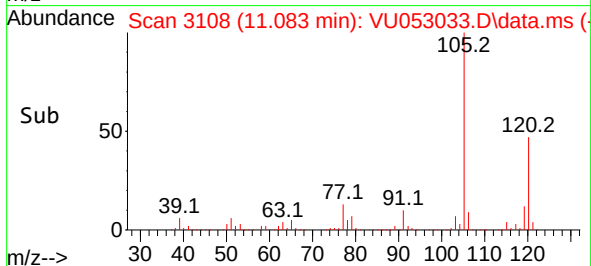
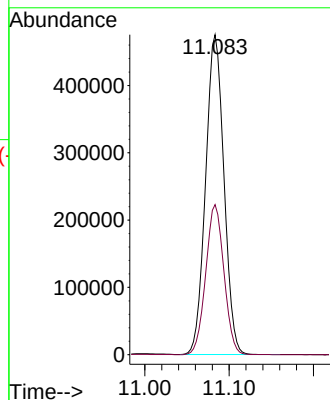
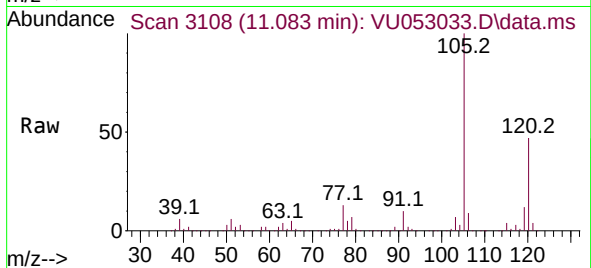
VSTD020011

Tgt Ion:105 Resp: 721108

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 19.915 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053033.D

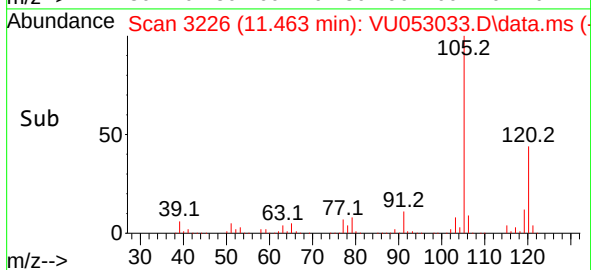
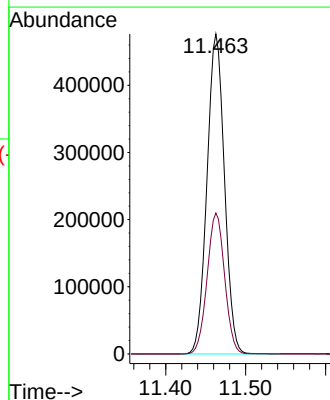
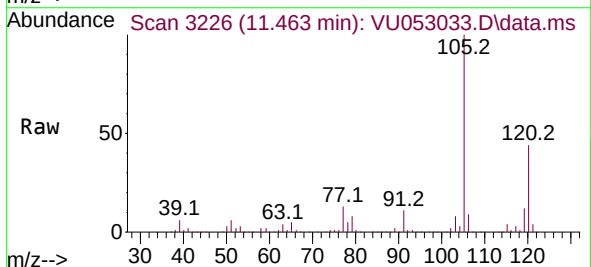
Acq: 10 Feb 2023 12:32

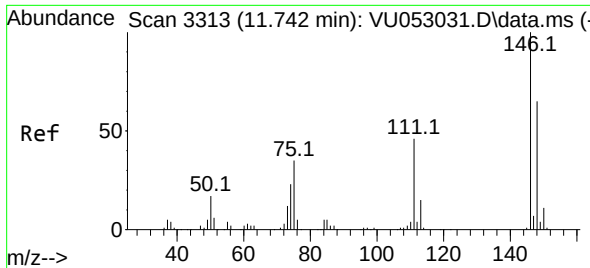
Tgt Ion:105 Resp: 723793

Ion Ratio Lower Upper

105 100

120 44.2 34.7 52.1

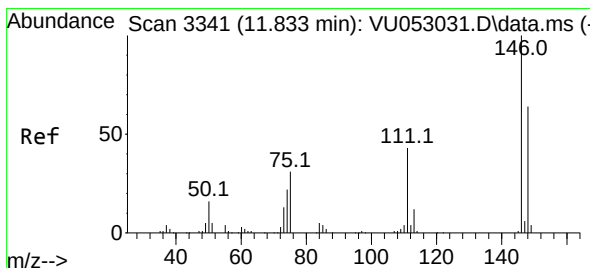
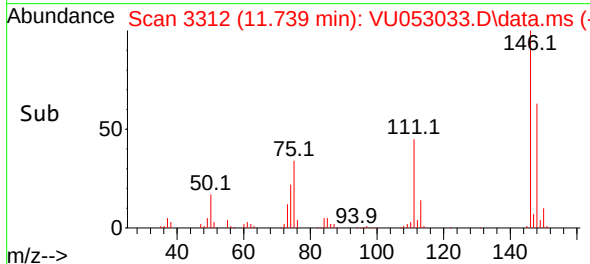
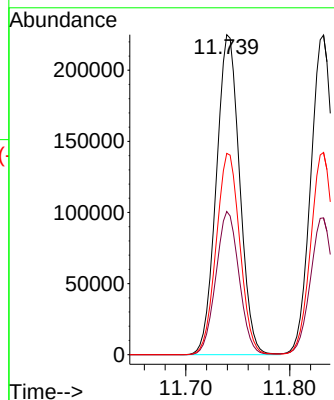
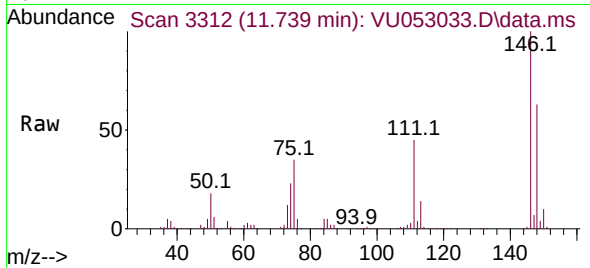




#64
1,3-Dichlorobenzene
Concen: 20.184 ug/L
RT: 11.739 min Scan# 3313
Delta R.T. -0.003 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

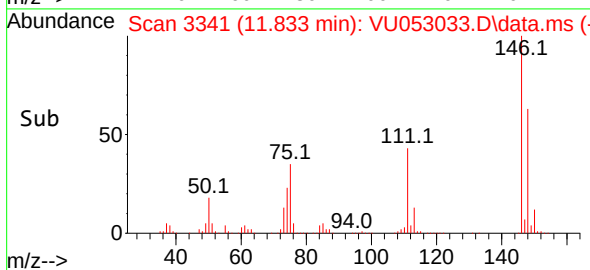
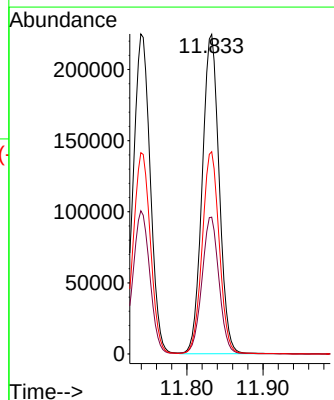
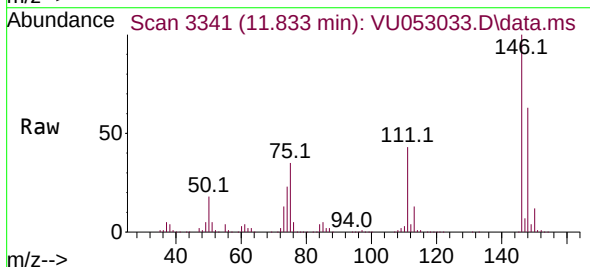
Instrument :
MSVOA_U
ClientSampleId :
VSTD020011

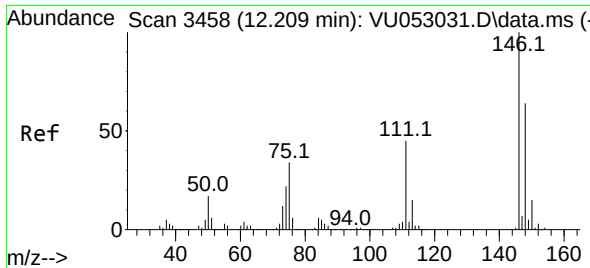
Tgt Ion:146 Resp: 351466
Ion Ratio Lower Upper
146 100
111 44.8 32.0 59.4
148 62.9 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 19.943 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053033.D
Acq: 10 Feb 2023 12:32

Tgt Ion:146 Resp: 347958
Ion Ratio Lower Upper
146 100
111 42.8 30.3 56.3
148 63.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 20.171 ug/L

RT: 12.206 min Scan# 34

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

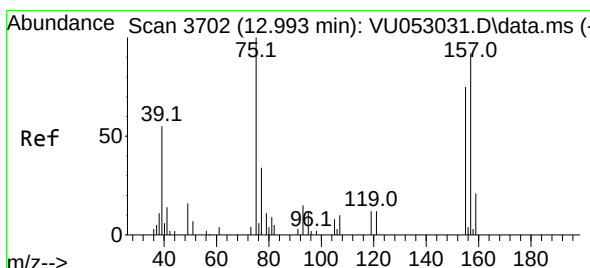
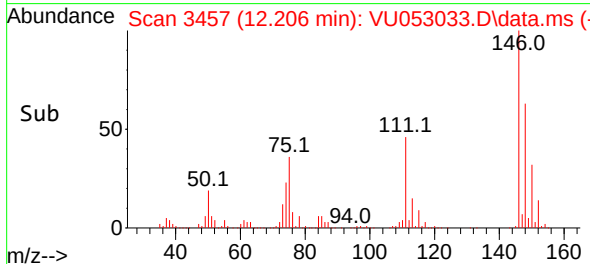
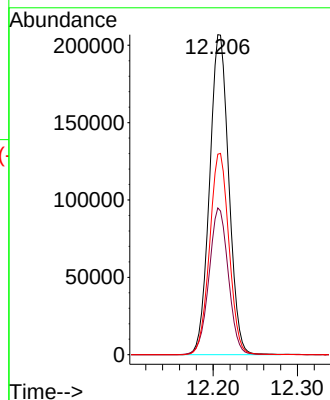
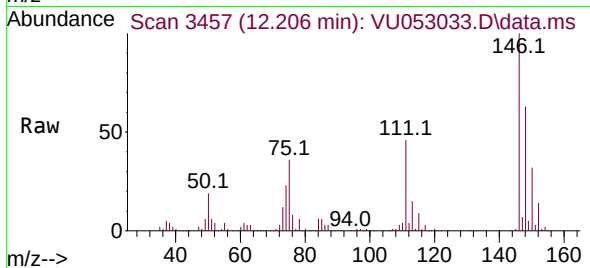
Tgt Ion:146 Resp: 327503

Ion Ratio Lower Upper

146 100

111 45.9 36.3 54.5

148 62.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 21.478 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

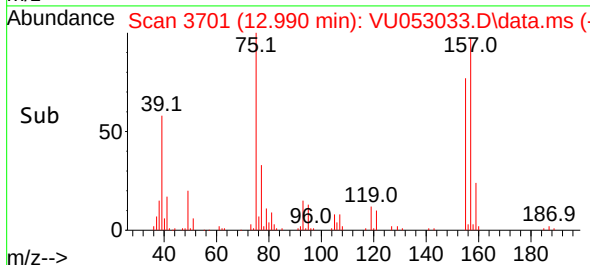
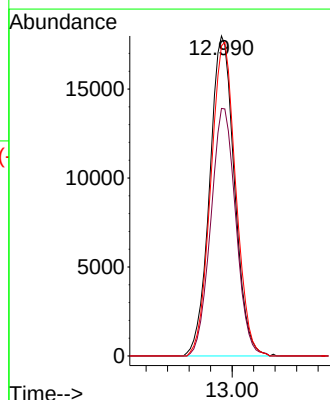
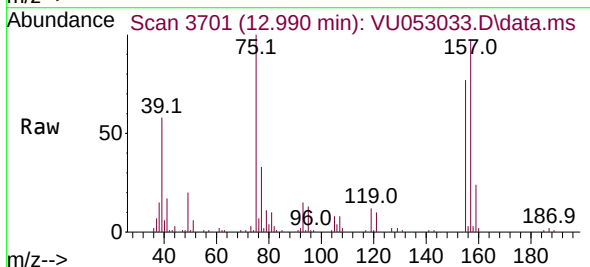
Tgt Ion: 75 Resp: 28809

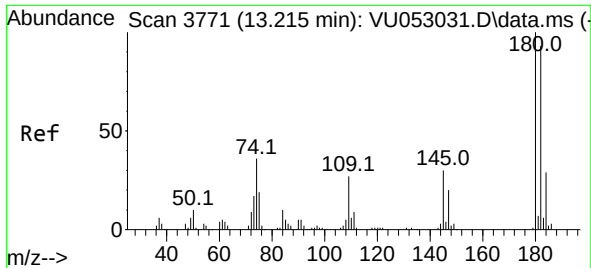
Ion Ratio Lower Upper

75 100

155 77.3 59.8 89.8

157 96.9 73.2 109.8

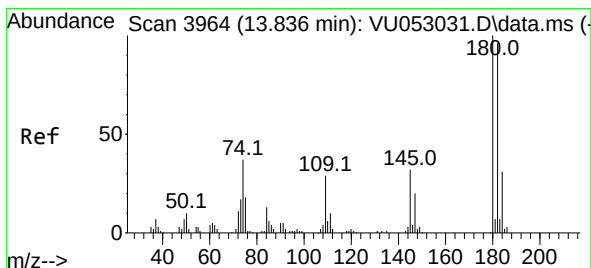
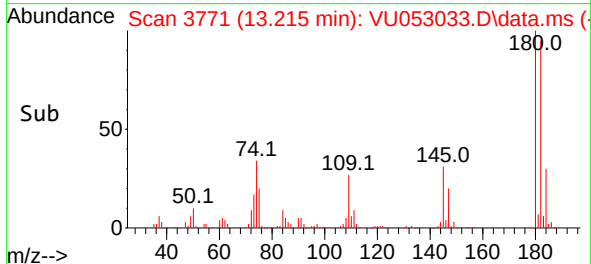
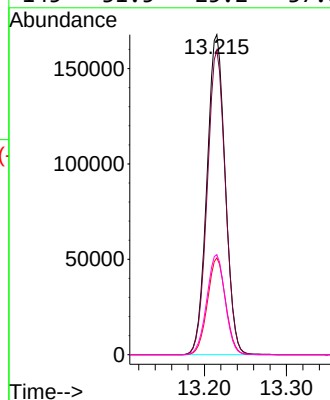
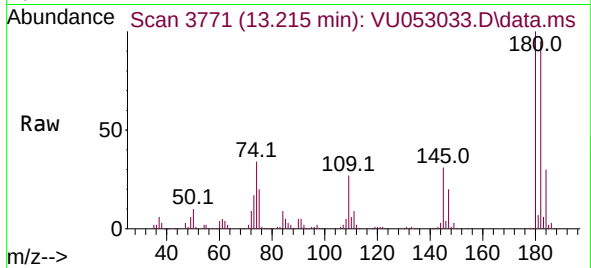




#69
 1,3,5-Trichlorobenzene
 Concen: 20.879 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

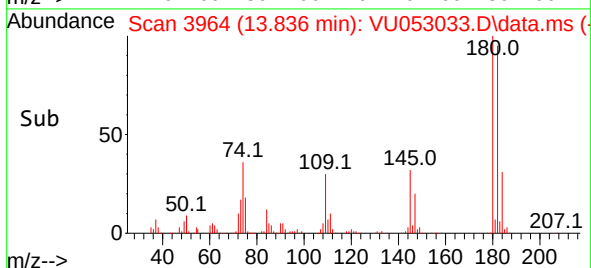
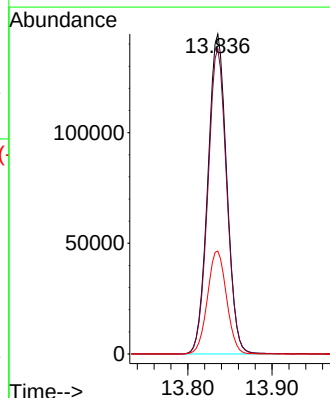
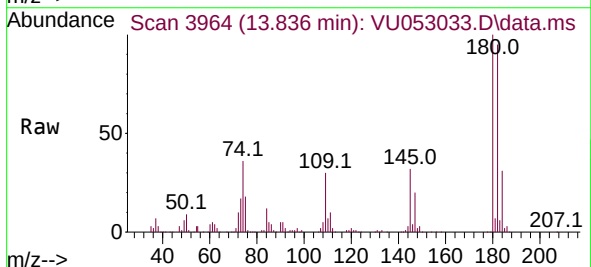
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020011

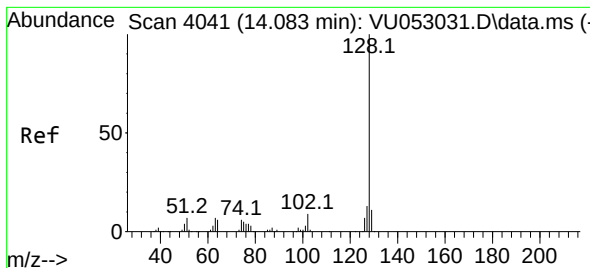
Tgt Ion:180 Resp: 258977
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.0
 184 30.1 23.8 35.6
 145 31.5 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 21.935 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053033.D
 Acq: 10 Feb 2023 12:32

Tgt Ion:180 Resp: 225874
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.9 112.3
 145 32.4 25.1 37.7





#71

Naphthalene

Concen: 21.840 ug/L

RT: 14.080 min Scan# 4041

Delta R.T. -0.003 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD020011

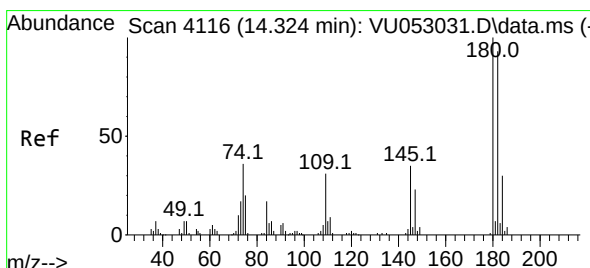
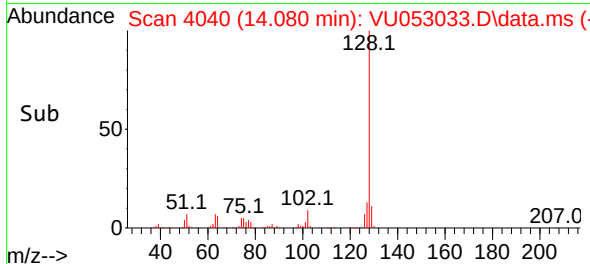
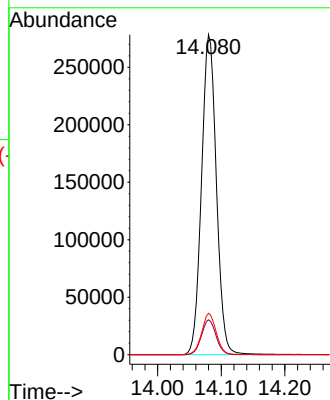
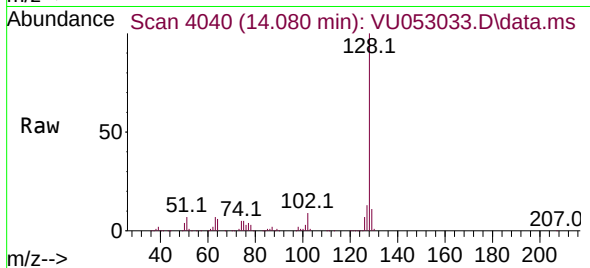
Tgt Ion:128 Resp: 451037

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.6 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 22.102 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. 0.000 min

Lab File: VU053033.D

Acq: 10 Feb 2023 12:32

Tgt Ion:180 Resp: 200869

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 34.3 28.2 42.2

