

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053032.D
 Acq On : 10 Feb 2023 12:09
 Operator : JC/MD
 Sample : VSTD01010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

Quant Time: Feb 10 23:03:45 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	126277	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	113109	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56117	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	63990	10.578	ug/L	0.00
7) Chloroethane-d5	1.913	69	60015	10.554	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	27450	9.893	ug/L	0.00
20) 2-Butanone-d5	4.643	46	208920	112.765	ug/L	0.00
24) Chloroform-d	5.058	84	144685	10.393	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	73173	10.432	ug/L	0.00
32) Benzene-d6	5.723	84	262228	10.317	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	91324	10.316	ug/L	0.00
41) Toluene-d8	7.894	98	229577	9.998	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	37840	10.558	ug/L	0.00
46) 2-Hexanone-d5	8.630	63	178824	112.391	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	81079	10.665	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	88642	10.574	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	92688	9.997	ug/L	99
3) Chloromethane	1.518	50	95467	9.883	ug/L	97
5) Vinyl chloride	1.601	62	107020	10.056	ug/L	98
6) Bromomethane	1.858	94	66821	10.096	ug/L	100
8) Chloroethane	1.932	64	63327	10.105	ug/L	96
9) Trichlorofluoromethane	2.138	101	149201	10.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	83686	10.368	ug/L	99
12) 1,1-Dichloroethene	2.579	96	76240	10.205	ug/L	96
13) Acetone	2.672	43	110744	82.797	ug/L #	36
14) Carbon disulfide	2.791	76	231318	10.255	ug/L	99
15) Methyl Acetate	2.958	43	26635	8.344	ug/L #	75
16) Methylene chloride	3.042	84	82177	9.508	ug/L	96
17) Methyl tert-butyl Ether	3.360	73	207596	10.234	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	77004	9.741	ug/L	100
19) 1,1-Dichloroethane	3.865	63	152195	10.223	ug/L	100
21) 2-Butanone	4.720	43	193908	97.837	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	88180	9.884	ug/L	97
23) Bromochloromethane	4.971	128	37080	10.495	ug/L	99
25) Chloroform	5.083	83	155059	9.963	ug/L	96
27) 1,2-Dichloroethane	5.788	62	97027	10.142	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	136125	10.074	ug/L	99
30) Cyclohexane	5.382	56	136321	10.089	ug/L	98
31) Carbon tetrachloride	5.521	117	116096	10.294	ug/L	99
33) Benzene	5.768	78	330412	10.138	ug/L	100
34) Trichloroethene	6.537	95	89882	9.801	ug/L	97
35) Methylcyclohexane	6.759	83	150735	10.152	ug/L	99
37) 1,2-Dichloropropane	6.788	63	91495	10.309	ug/L	100
38) Bromodichloromethane	7.103	83	115084	10.000	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	147022	10.386	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	480720	103.760	ug/L	100
42) Toluene	7.964	91	359180	10.145	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	122094	10.456	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053032.D
 Acq On : 10 Feb 2023 12:09
 Operator : JC/MD
 Sample : VSTD01010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

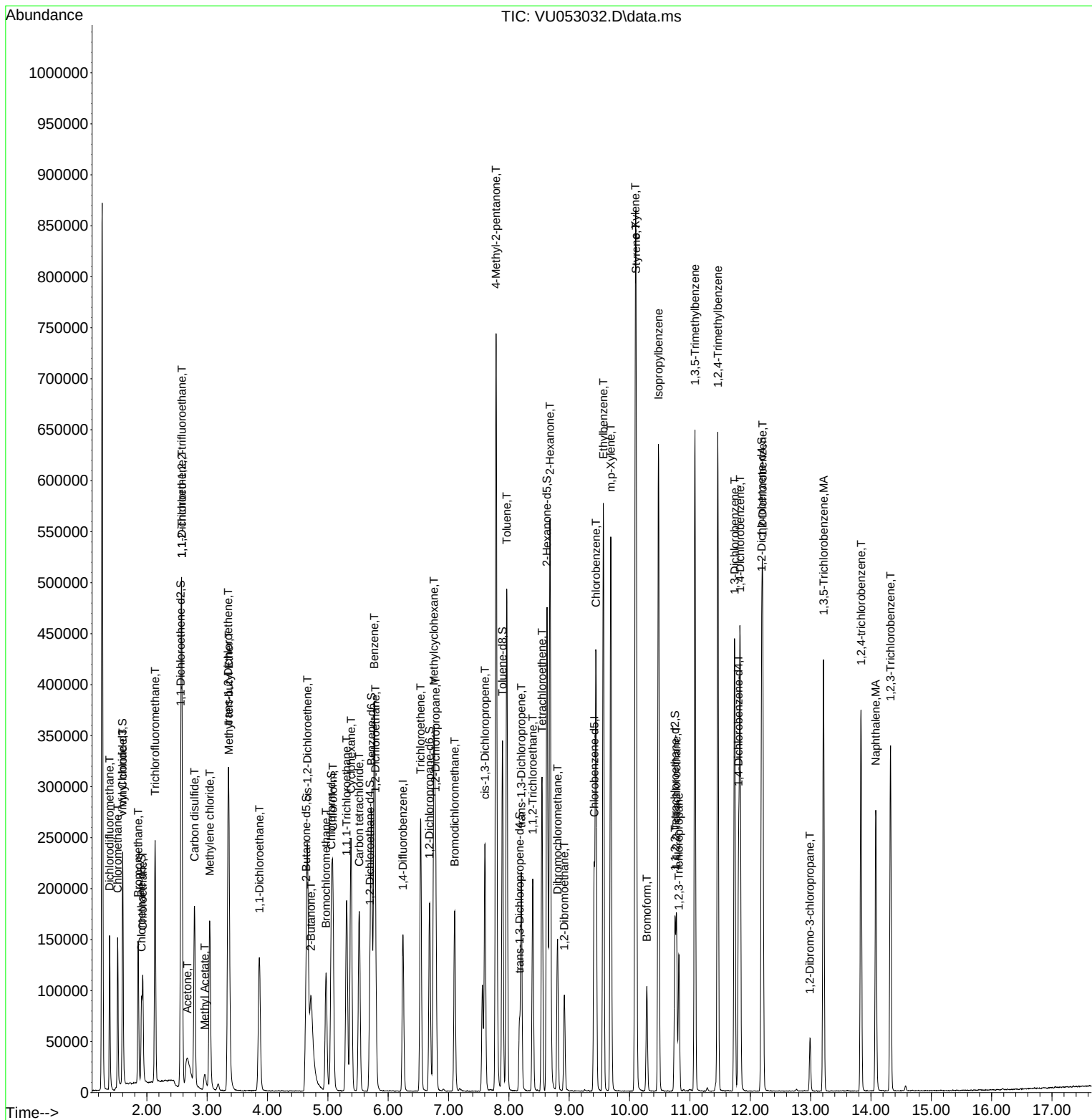
Quant Time: Feb 10 23:03:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:01:28 2023
 Response via : Initial Calibration

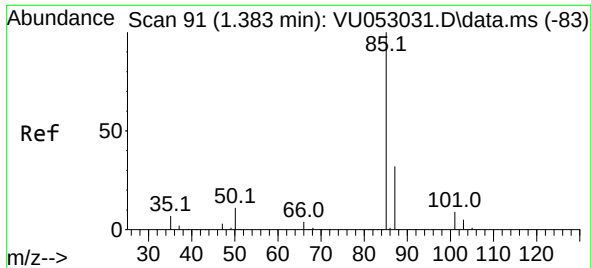
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.395	97	63534	9.936	ug/L	96
47) Tetrachloroethene	8.550	164	60805	10.200	ug/L	97
48) 2-Hexanone	8.681	43	351449	103.357	ug/L	99
49) Dibromochloromethane	8.807	129	73833	10.591	ug/L	98
50) 1,2-Dibromoethane	8.919	107	61562	10.434	ug/L	98
51) Chlorobenzene	9.443	112	225701	10.219	ug/L	98
52) Ethylbenzene	9.566	91	410581	10.219	ug/L	99
53) m,p-Xylene	9.688	106	155785	10.369	ug/L	96
54) o-Xylene	10.096	106	152076	10.442	ug/L	100
55) Styrene	10.109	104	252212	10.676	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	82507	10.198	ug/L	98
59) Bromoform	10.286	173	42538	10.428	ug/L	99
60) Isopropylbenzene	10.479	105	411020	10.124	ug/L	100
61) 1,2,3-Trichloropropane	10.816	75	56534	10.491	ug/L	97
62) 1,3,5-Trimethylbenzene	11.083	105	350374	10.219	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	350600	10.217	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	170013	10.341	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	165243	10.031	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	156596	10.215	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	14534	11.476	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	121864	10.405	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	104824	10.781	ug/L	98
71) Naphthalene	14.080	128	213214	10.934	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	94713	11.037	ug/L	99

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

Quant Time: Feb 10 23:03:45 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

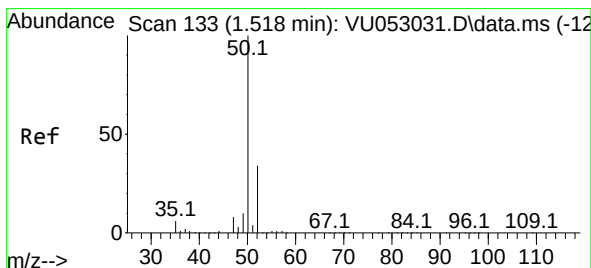
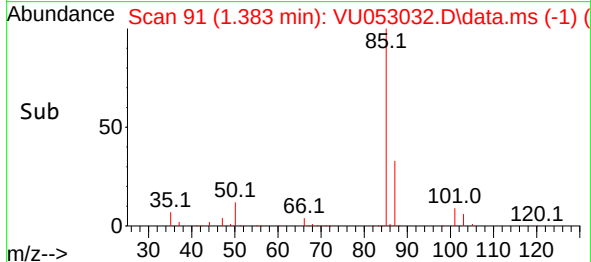
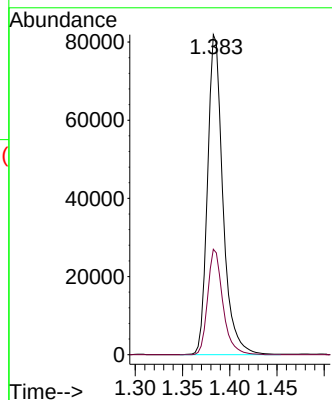
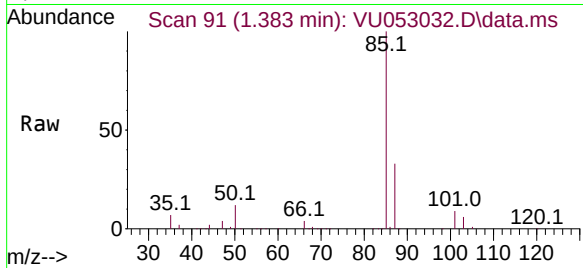




#2
 Dichlorodifluoromethane
 Concen: 9.997 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

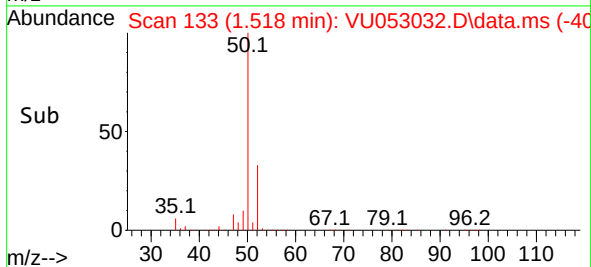
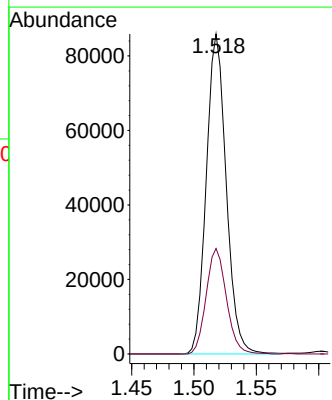
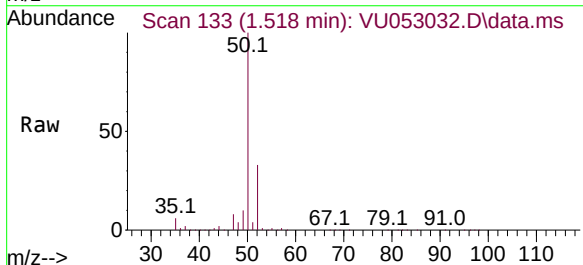
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

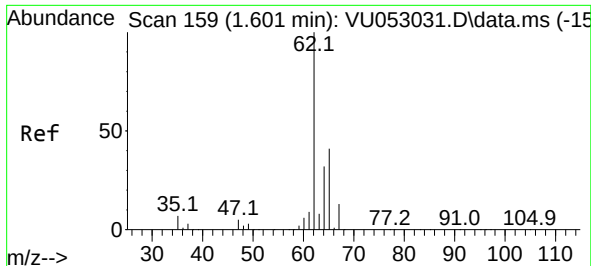
Tgt Ion: 85 Resp: 92688
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 9.883 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

Tgt Ion: 50 Resp: 95467
 Ion Ratio Lower Upper
 50 100
 52 32.9 24.1 44.7

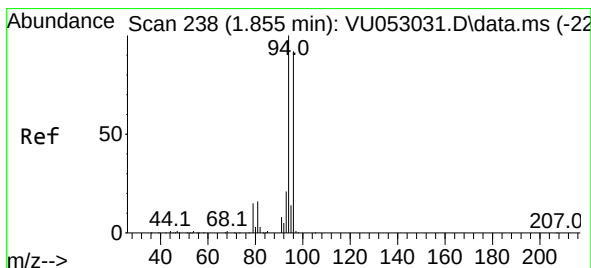
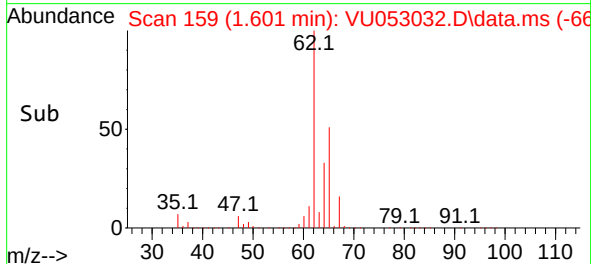
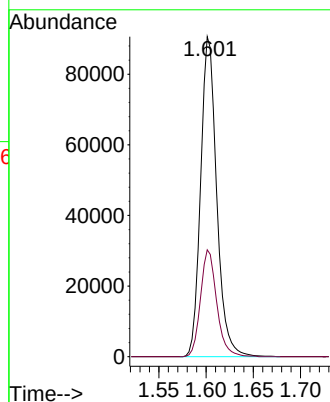
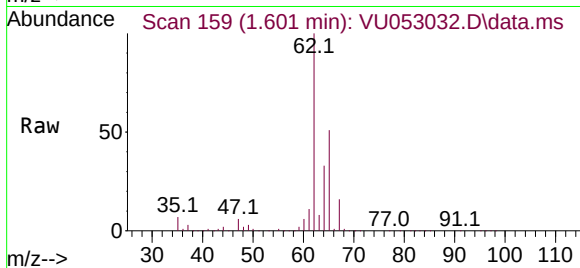




#5
 Vinyl chloride
 Concen: 10.056 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

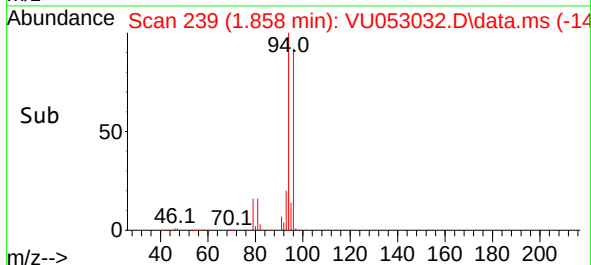
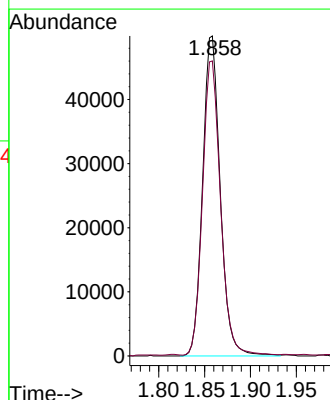
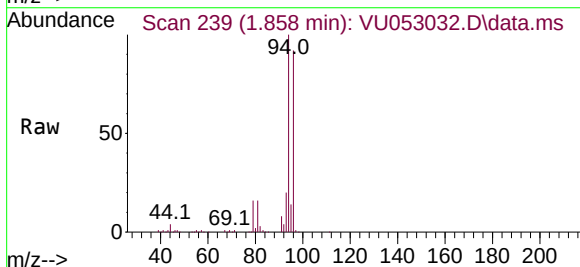
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

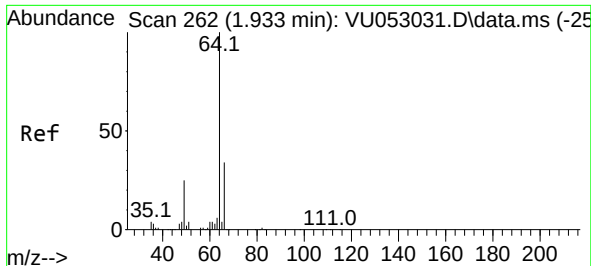
Tgt Ion: 62 Resp: 107020
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.5 41.9



#6
 Bromomethane
 Concen: 10.096 ug/L
 RT: 1.858 min Scan# 239
 Delta R.T. 0.003 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

Tgt Ion: 94 Resp: 66821
 Ion Ratio Lower Upper
 94 100
 96 92.2 64.8 120.3

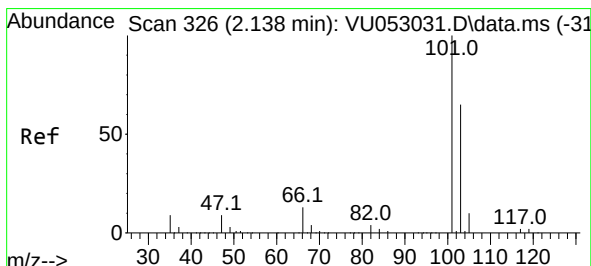
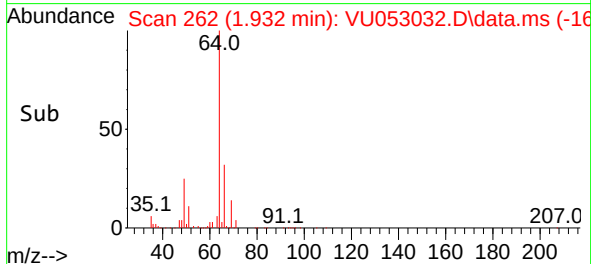
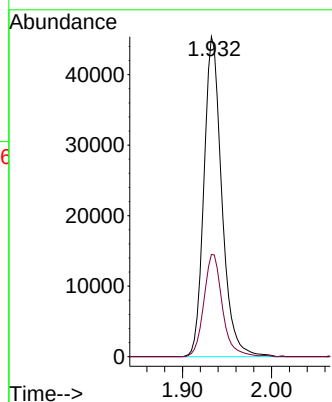
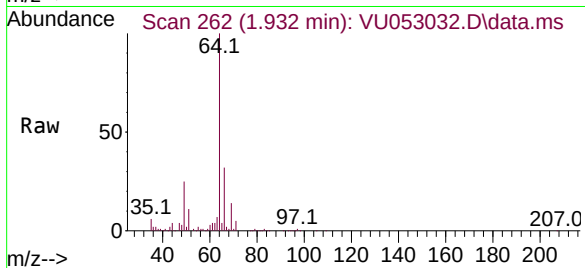




#8
Chloroethane
Concen: 10.105 ug/L
RT: 1.932 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

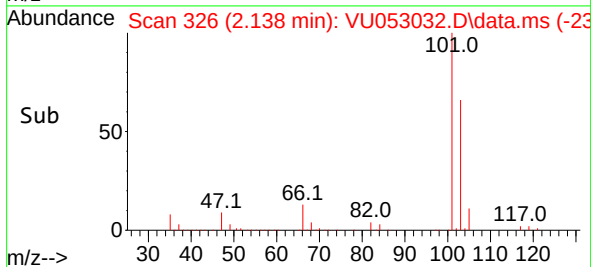
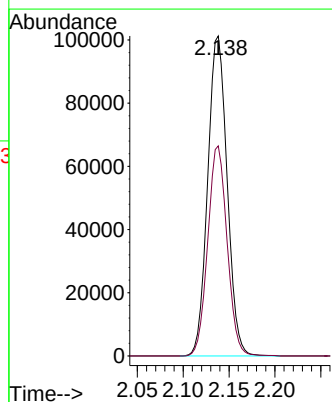
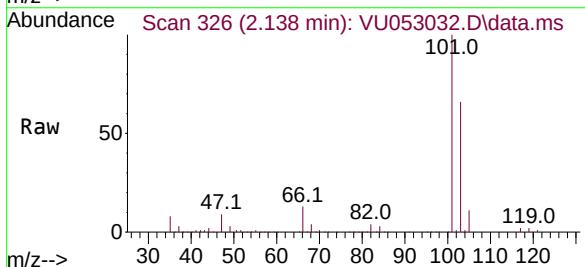
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

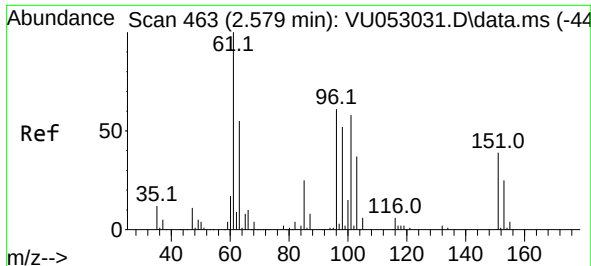
Tgt Ion: 64 Resp: 63327
Ion Ratio Lower Upper
64 100
66 31.9 23.9 44.3



#9
Trichlorofluoromethane
Concen: 10.177 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion:101 Resp: 149201
Ion Ratio Lower Upper
101 100
103 65.4 52.6 78.8

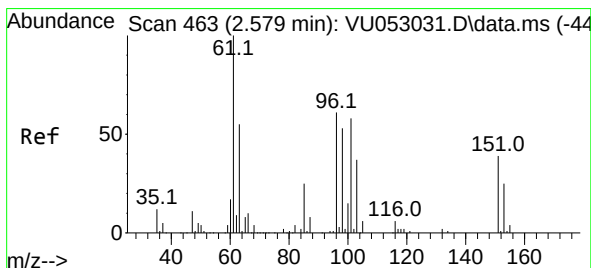
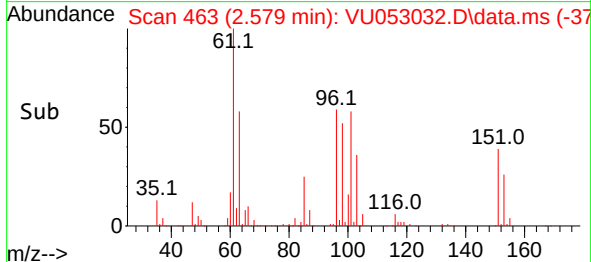
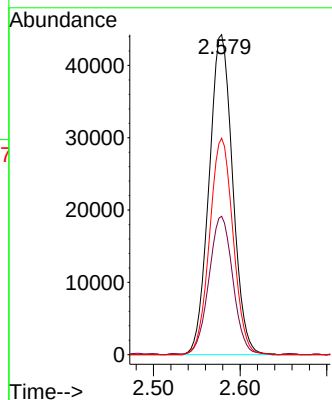
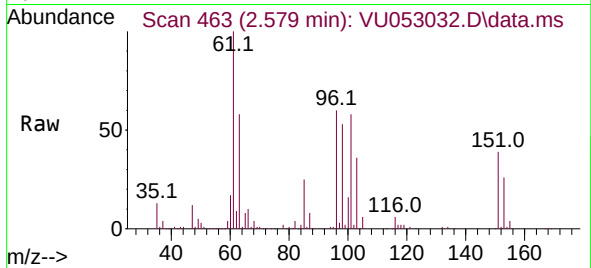




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.368 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

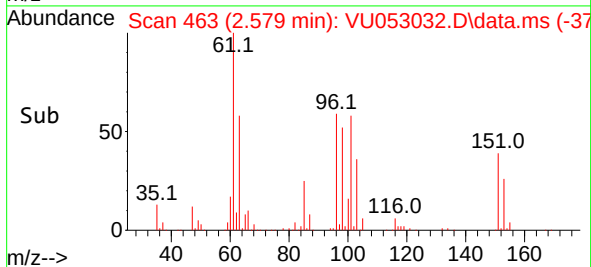
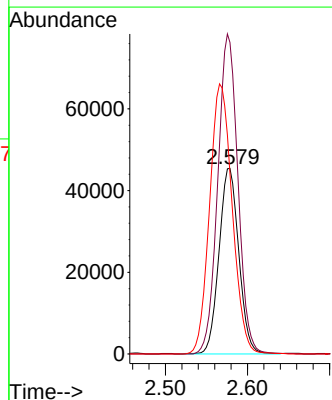
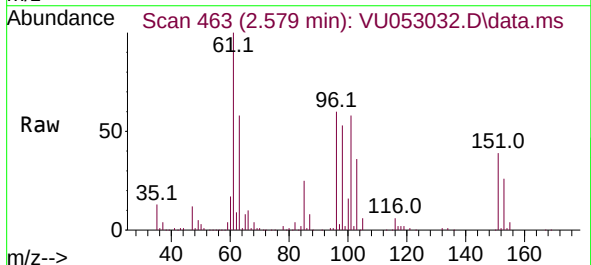
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

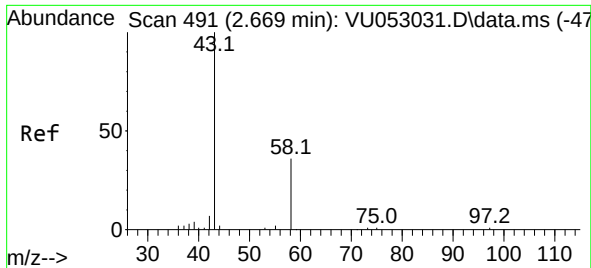
Tgt Ion:101 Resp: 83686
Ion Ratio Lower Upper
101 100
85 43.9 36.8 55.2
151 67.5 53.8 80.8



#12
1,1-Dichloroethene
Concen: 10.205 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 96 Resp: 76240
Ion Ratio Lower Upper
96 100
61 167.9 115.1 213.7
63 97.3 63.6 118.0





#13

Acetone

Concen: 82.797 ug/L

RT: 2.672 min Scan# 491

Delta R.T. 0.003 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

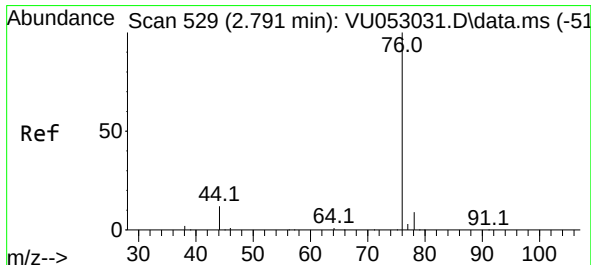
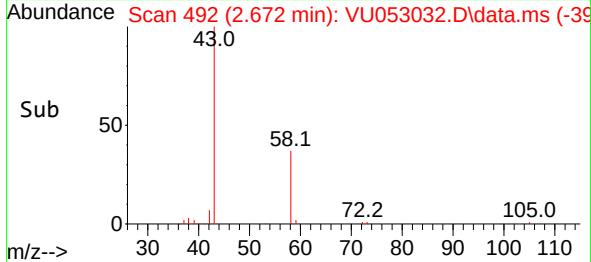
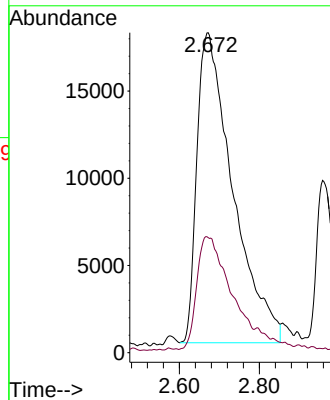
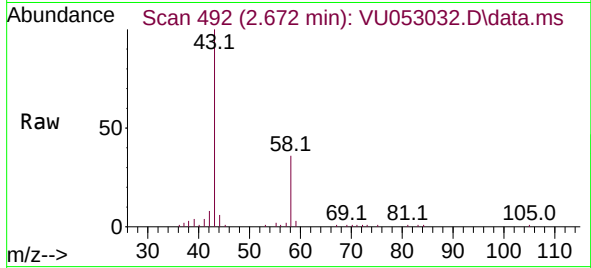
VSTD010010

Tgt Ion: 43 Resp: 110744

Ion Ratio Lower Upper

43 100

58 33.5 0.0 19.6#



#14

Carbon disulfide

Concen: 10.255 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053032.D

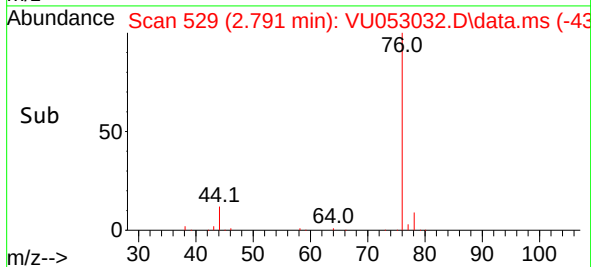
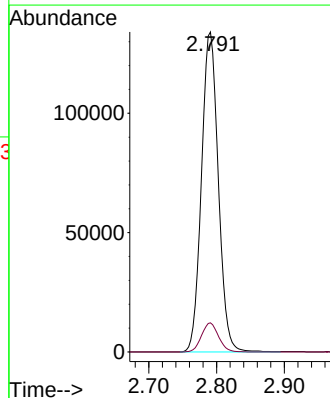
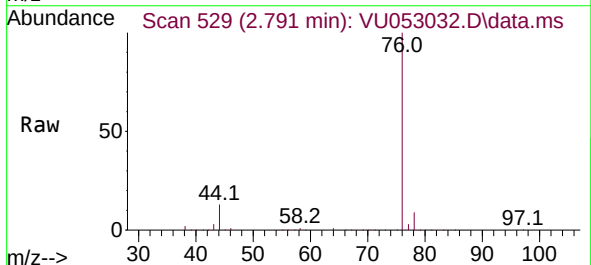
Acq: 10 Feb 2023 12:09

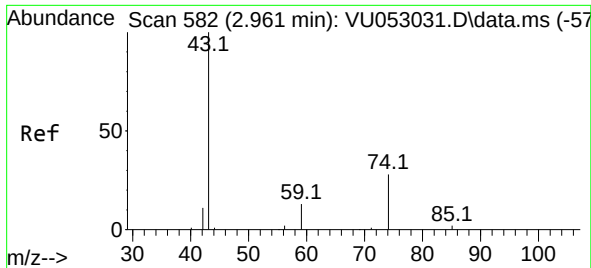
Tgt Ion: 76 Resp: 231318

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

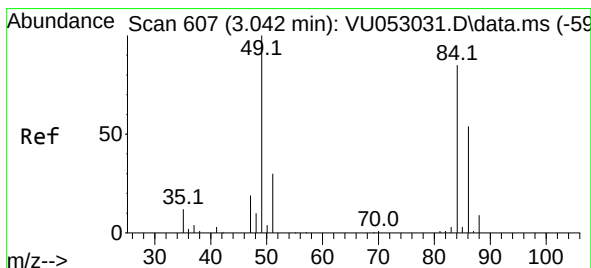
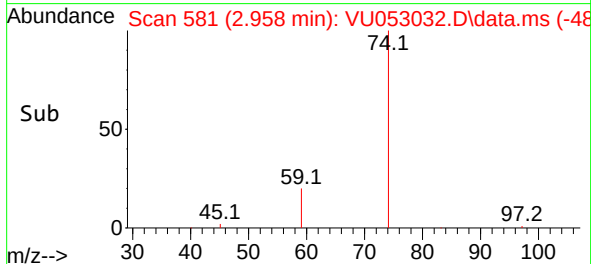
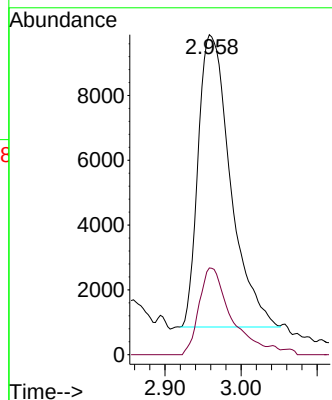
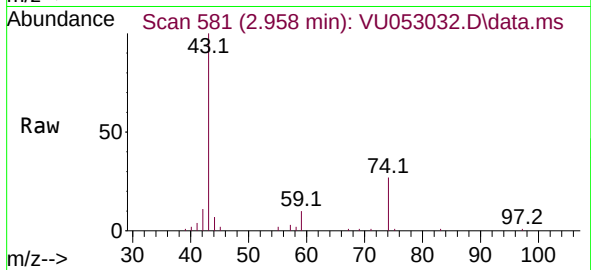




#15
Methyl Acetate
Concen: 8.344 ug/L
RT: 2.958 min Scan# 581
Delta R.T. -0.003 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

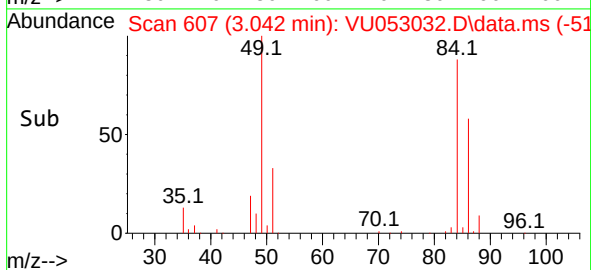
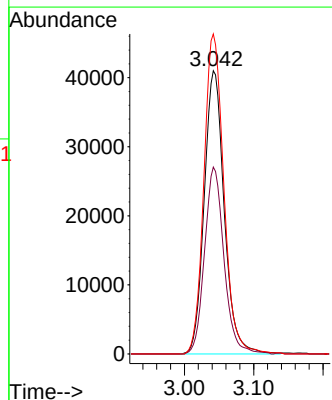
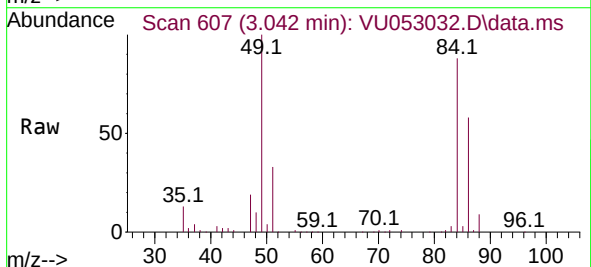
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

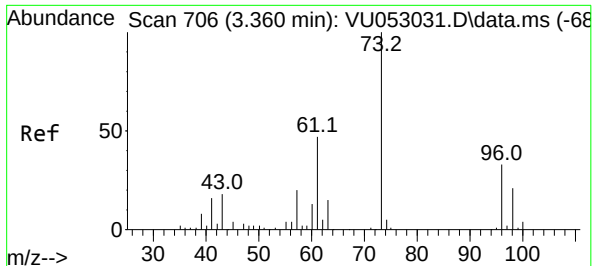
Tgt Ion: 43 Resp: 26635
Ion Ratio Lower Upper
43 100
74 29.1 14.3 21.5#



#16
Methylene chloride
Concen: 9.508 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 84 Resp: 82177
Ion Ratio Lower Upper
84 100
86 66.0 44.9 83.3
49 113.0 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 10.234 ug/L

RT: 3.360 min Scan# 706

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

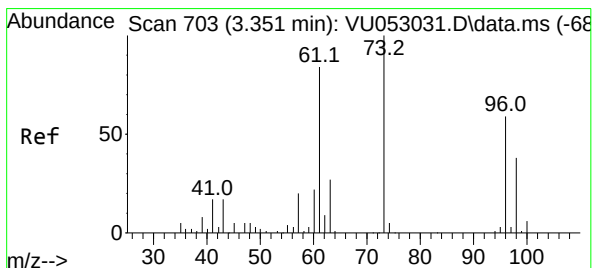
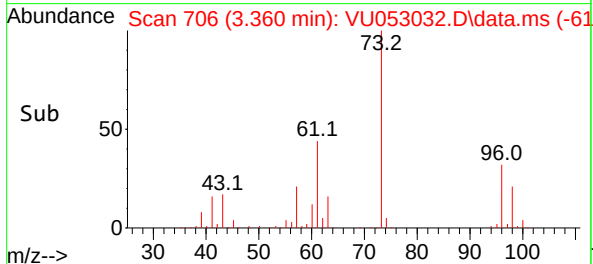
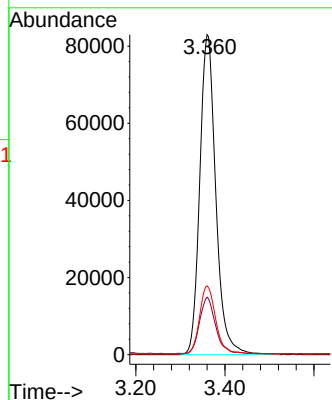
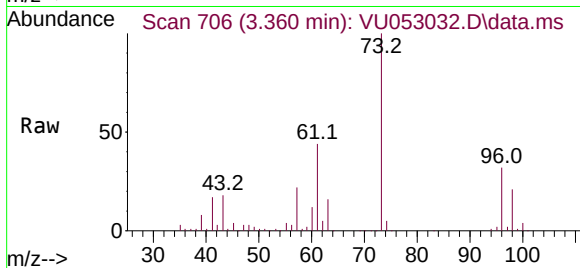
Tgt Ion: 73 Resp: 207596

Ion Ratio Lower Upper

73 100

43 17.1 14.6 21.8

57 21.6 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 9.741 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

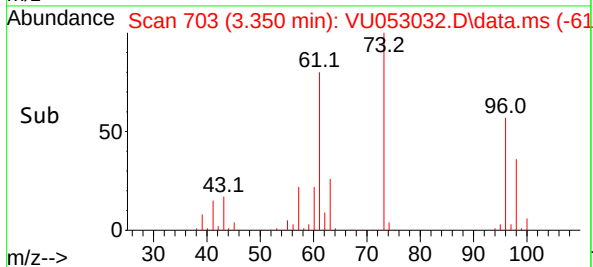
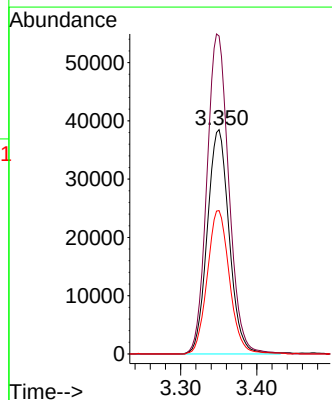
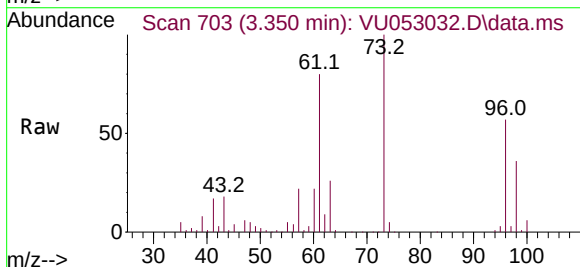
Tgt Ion: 96 Resp: 77004

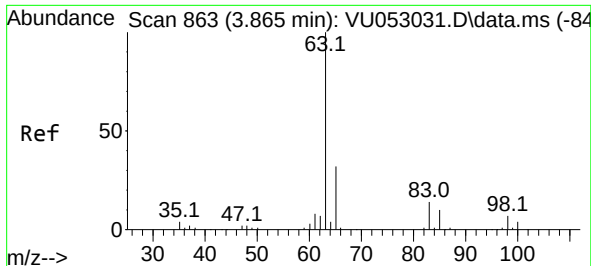
Ion Ratio Lower Upper

96 100

61 141.7 99.5 184.9

98 63.9 44.8 83.2





#19

1,1-Dichloroethane

Concen: 10.223 ug/L

RT: 3.865 min Scan# 8

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

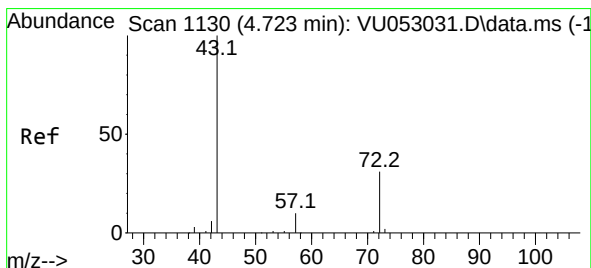
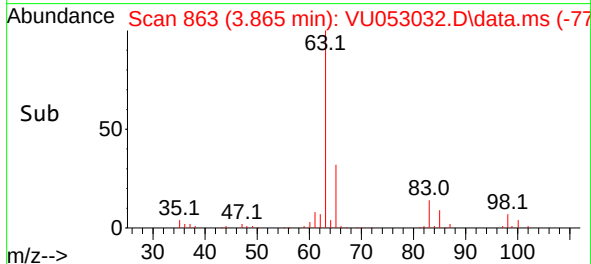
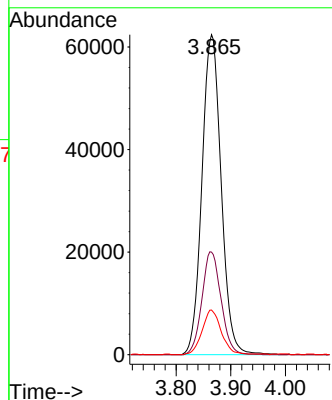
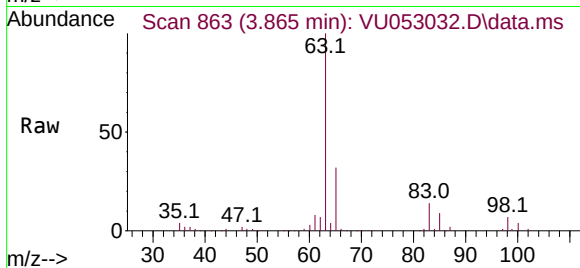
Tgt Ion: 63 Resp: 152195

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.3

83 14.0 9.8 18.2



#21

2-Butanone

Concen: 97.837 ug/L

RT: 4.720 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU053032.D

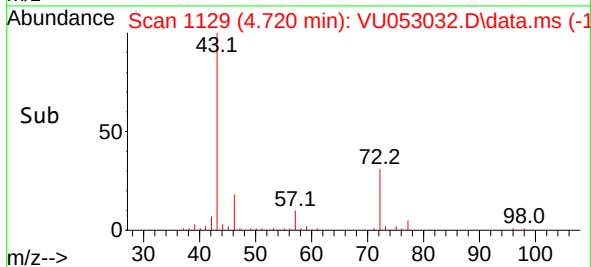
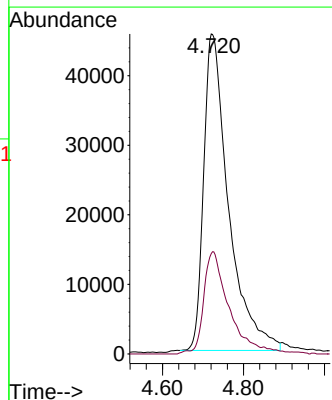
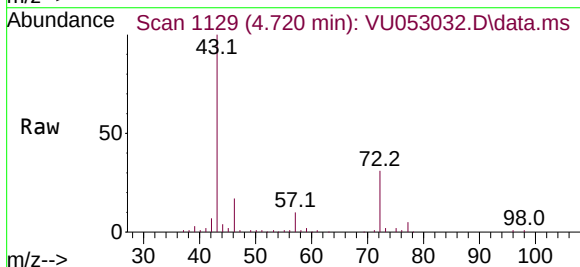
Acq: 10 Feb 2023 12:09

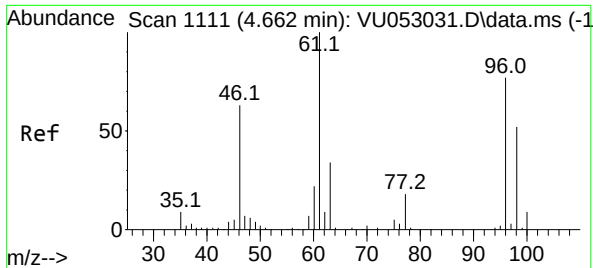
Tgt Ion: 43 Resp: 193908

Ion Ratio Lower Upper

43 100

72 29.9 14.5 43.5

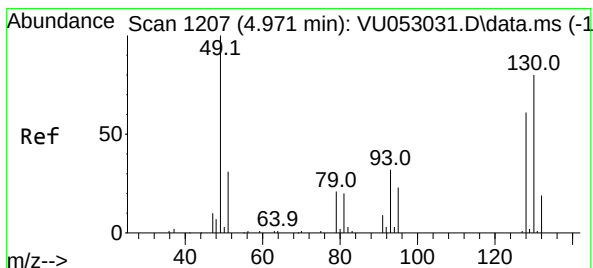
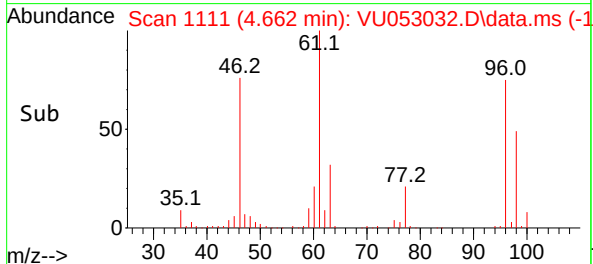
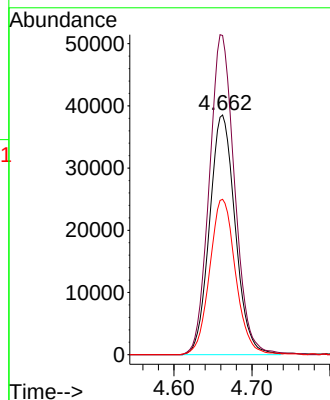
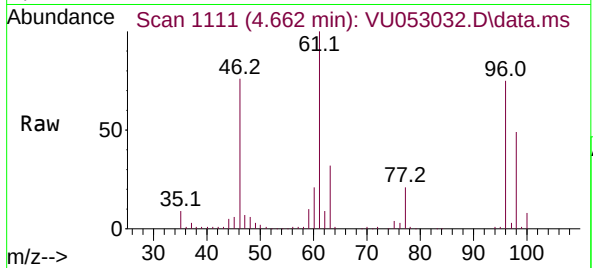




#22
 cis-1,2-Dichloroethene
 Concen: 9.884 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

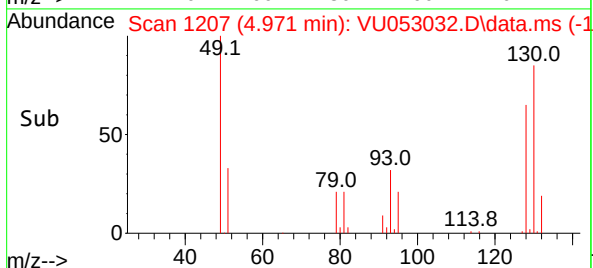
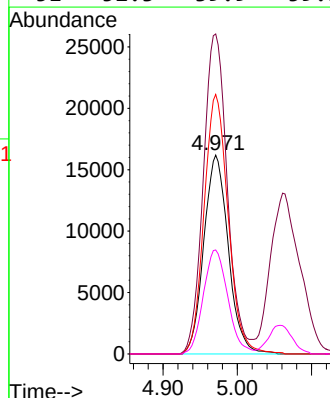
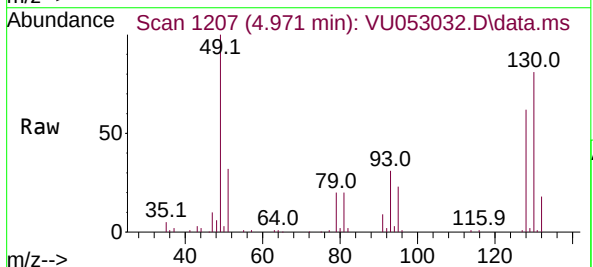
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

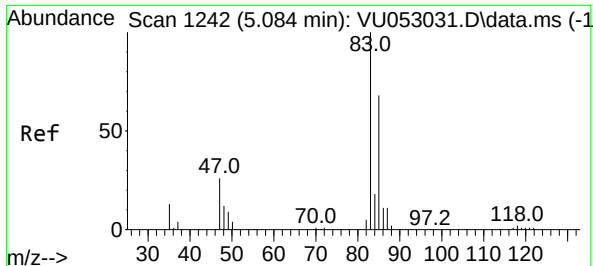
Tgt Ion: 96	Resp:	88180
Ion	Ratio	Lower Upper
96	100	
61	133.2	90.9 168.9
98	64.9	47.0 87.4



#23
 Bromochloromethane
 Concen: 10.495 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

Tgt Ion: 128	Resp:	37080
Ion	Ratio	Lower Upper
128	100	
49	160.9	114.2 212.0
130	130.5	91.6 170.2
51	52.3	39.9 59.9





#25

Chloroform

Concen: 9.963 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

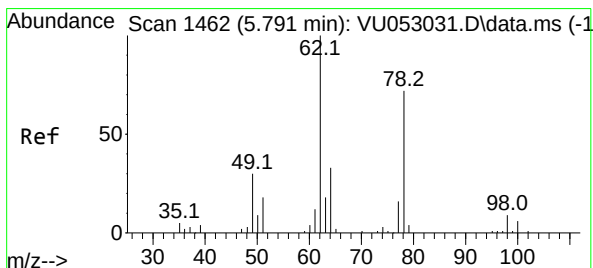
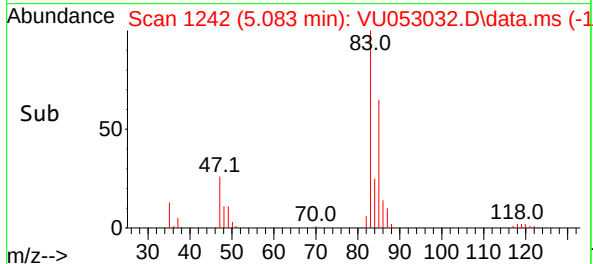
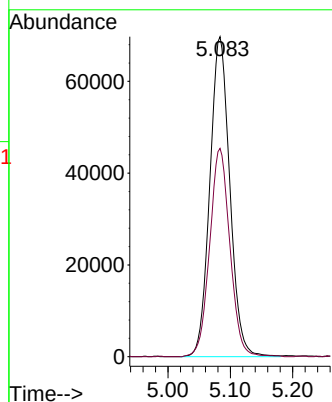
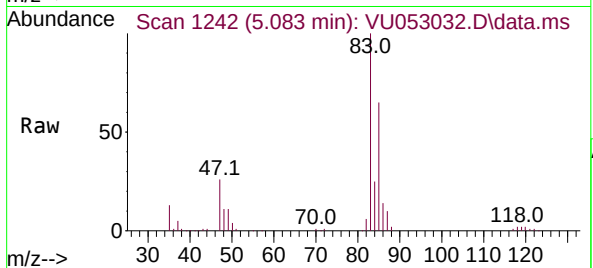
VSTD010010

Tgt Ion: 83 Resp: 155059

Ion Ratio Lower Upper

83 100

85 65.1 47.7 88.5



#27

1,2-Dichloroethane

Concen: 10.142 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. -0.003 min

Lab File: VU053032.D

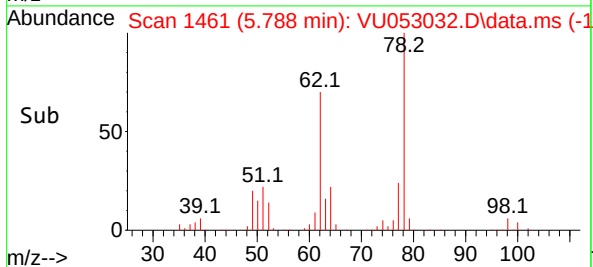
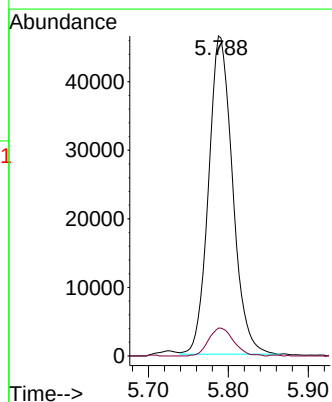
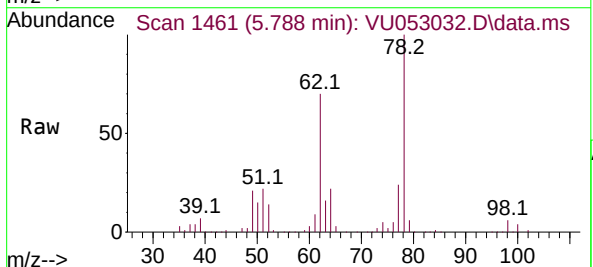
Acq: 10 Feb 2023 12:09

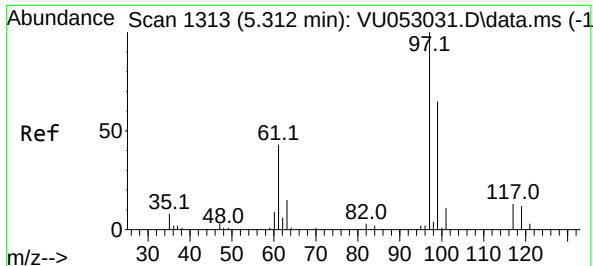
Tgt Ion: 62 Resp: 97027

Ion Ratio Lower Upper

62 100

98 8.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 10.074 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

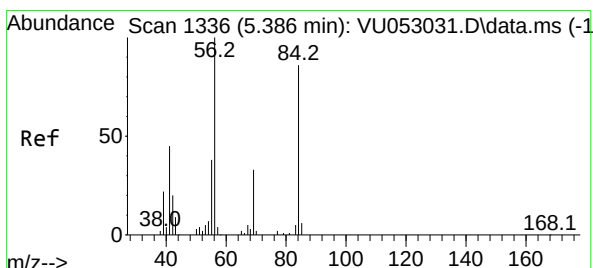
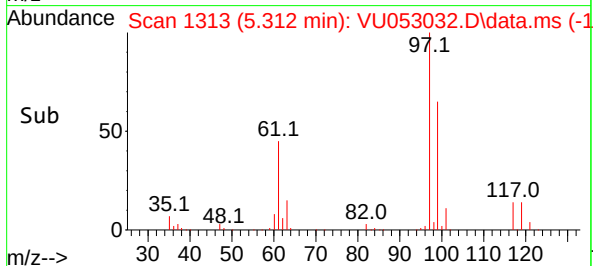
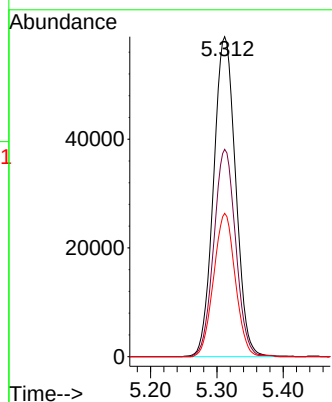
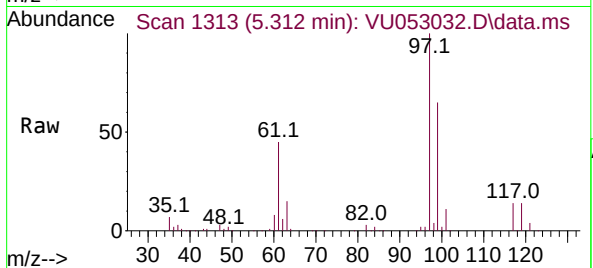
Tgt Ion: 97 Resp: 136125

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 43.8 34.2 51.4



#30

Cyclohexane

Concen: 10.089 ug/L

RT: 5.382 min Scan# 1335

Delta R.T. -0.003 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

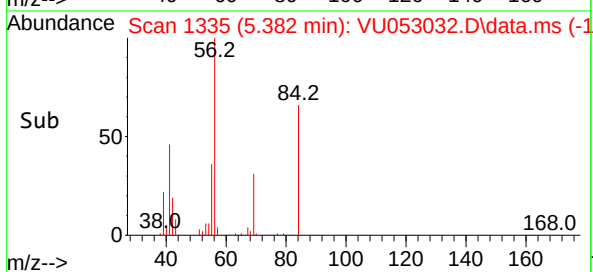
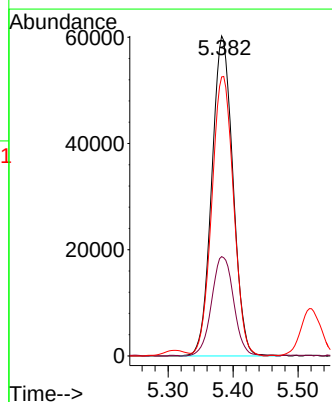
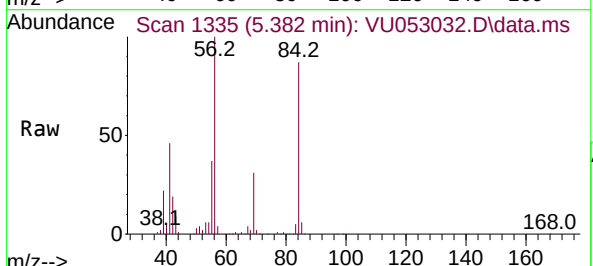
Tgt Ion: 56 Resp: 136321

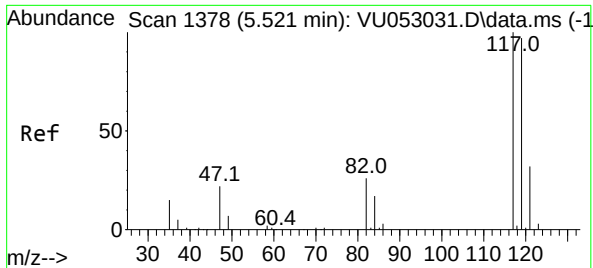
Ion Ratio Lower Upper

56 100

69 32.4 27.0 40.6

84 89.8 70.8 106.2

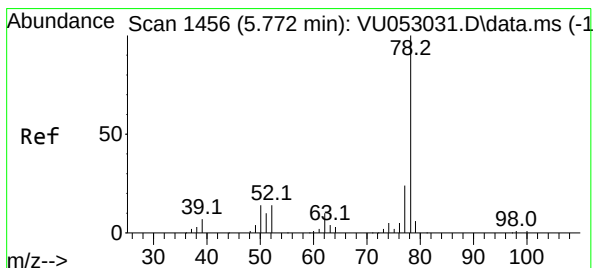
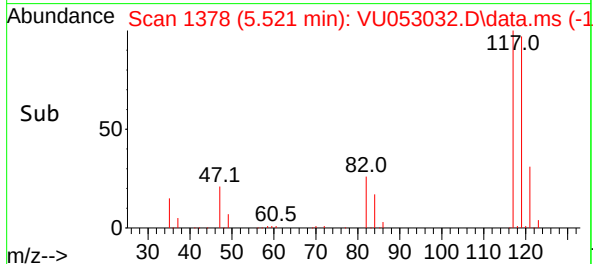
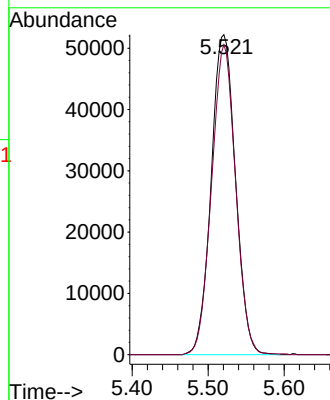
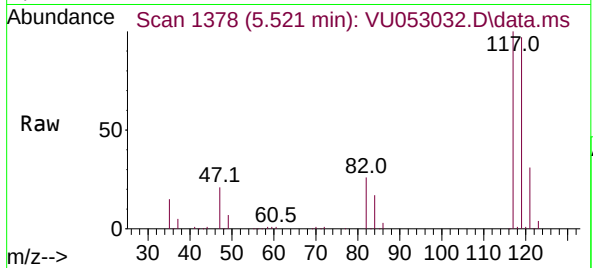




#31
Carbon tetrachloride
Concen: 10.294 ug/L
RT: 5.521 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

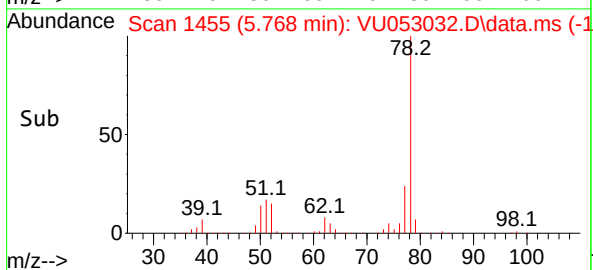
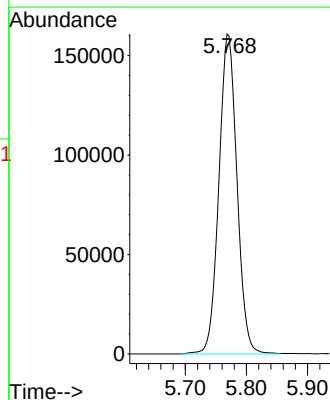
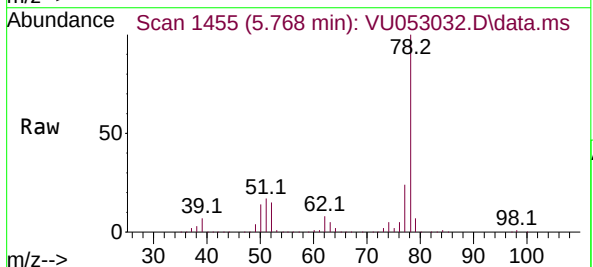
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

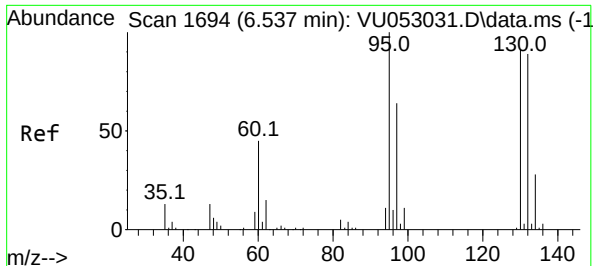
Tgt Ion:117 Resp: 116096
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.0



#33
Benzene
Concen: 10.138 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.003 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 78 Resp: 330412

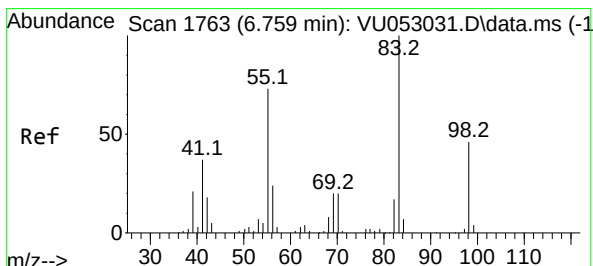
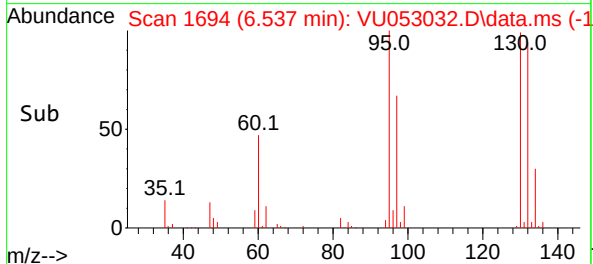
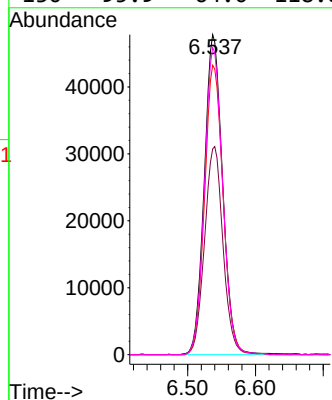
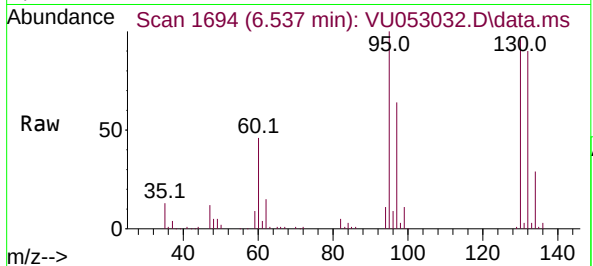




#34
Trichloroethene
Concen: 9.801 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

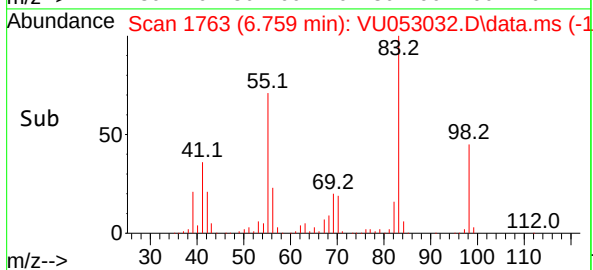
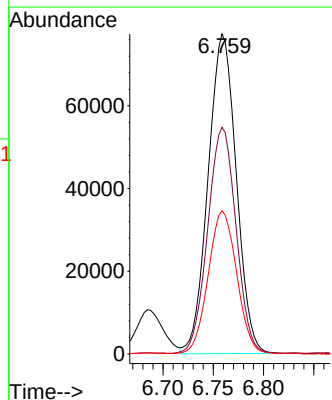
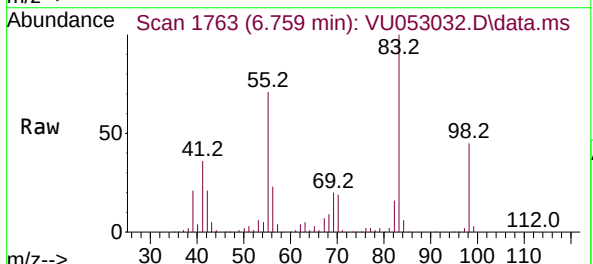
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

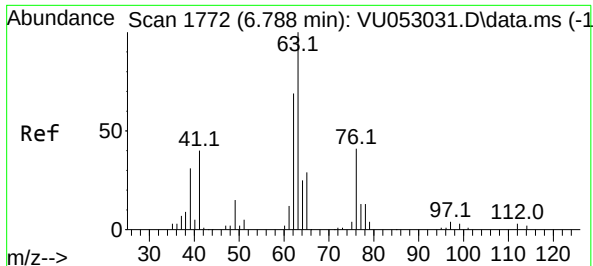
Tgt Ion: 95 Resp: 89882
Ion Ratio Lower Upper
95 100
97 64.3 44.7 82.9
132 90.5 62.3 115.7
130 95.9 64.0 118.8



#35
Methylcyclohexane
Concen: 10.152 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 83 Resp: 150735
Ion Ratio Lower Upper
83 100
55 71.0 57.9 86.9
98 44.9 36.4 54.6





#37

1,2-Dichloropropane

Concen: 10.309 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

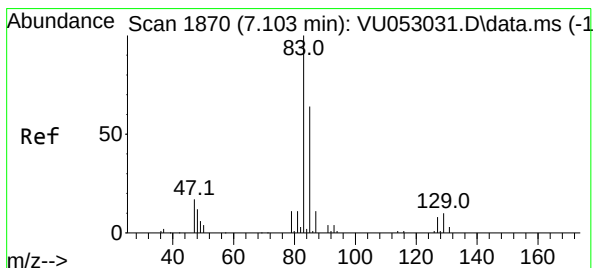
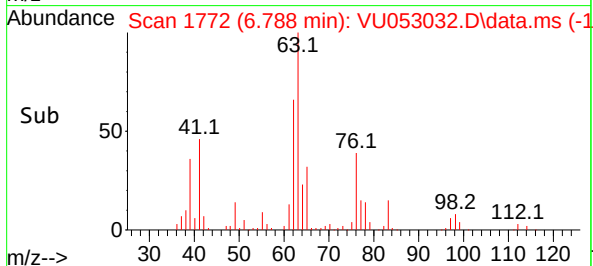
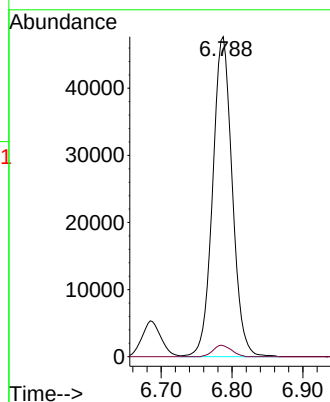
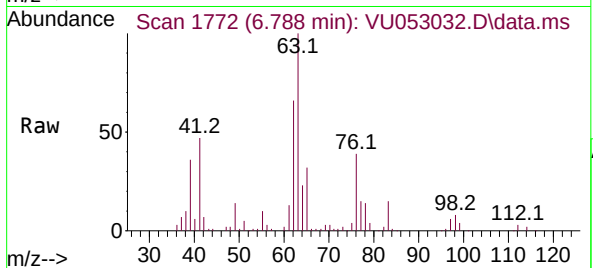
VSTD010010

Tgt Ion: 63 Resp: 91495

Ion Ratio Lower Upper

63 100

112 3.4 2.7 4.1



#38

Bromodichloromethane

Concen: 10.000 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

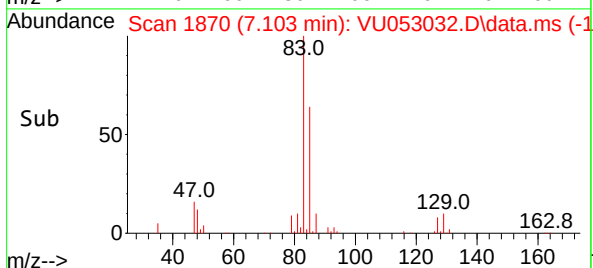
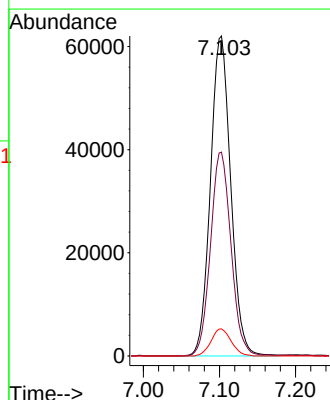
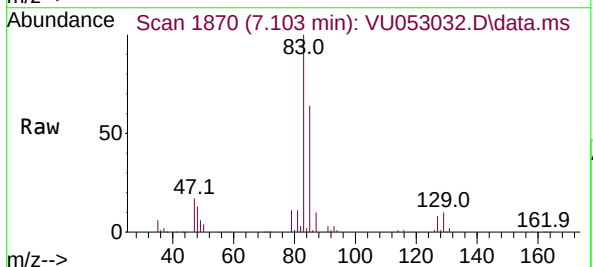
Tgt Ion: 83 Resp: 115084

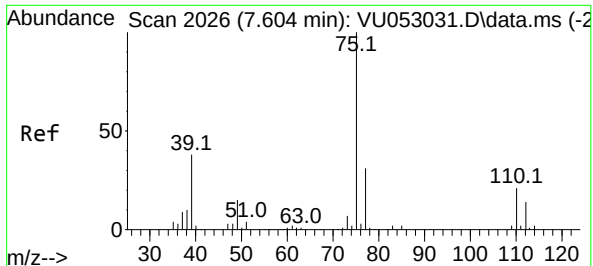
Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

127 8.4 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 10.386 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

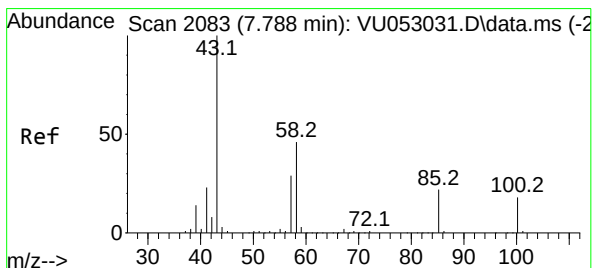
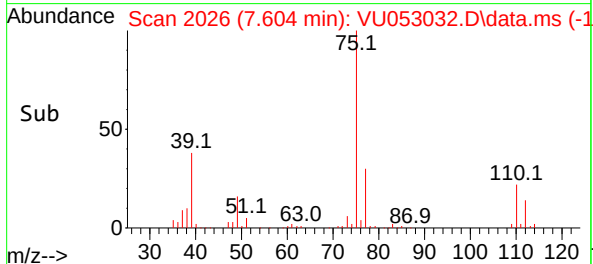
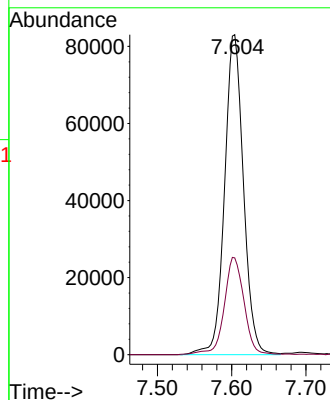
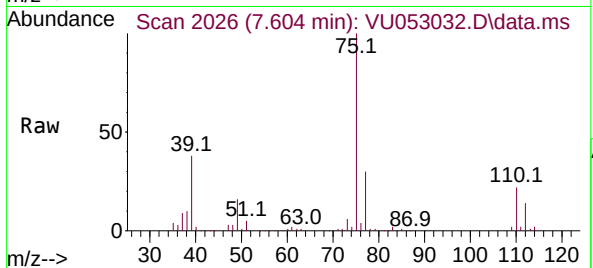
VSTD010010

Tgt Ion: 75 Resp: 147022

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 103.760 ug/L

RT: 7.787 min Scan# 2083

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

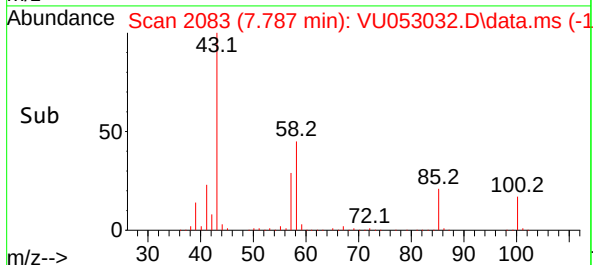
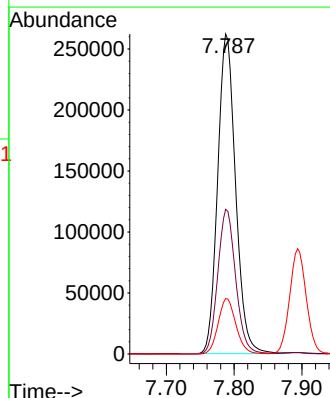
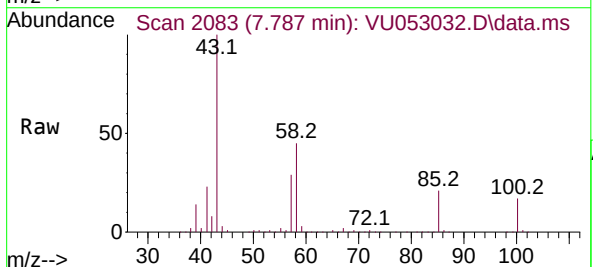
Tgt Ion: 43 Resp: 480720

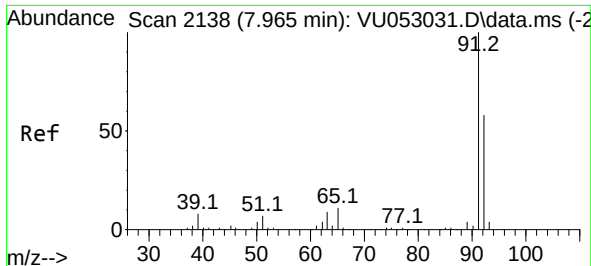
Ion Ratio Lower Upper

43 100

58 45.3 35.9 53.9

100 17.2 13.8 20.6





#42

Toluene

Concen: 10.145 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

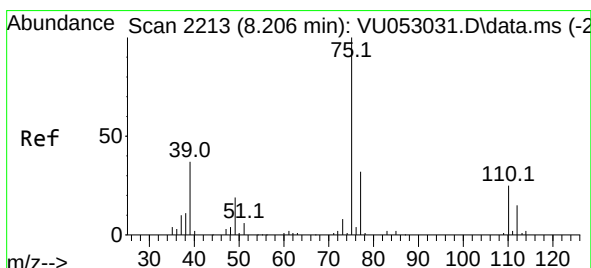
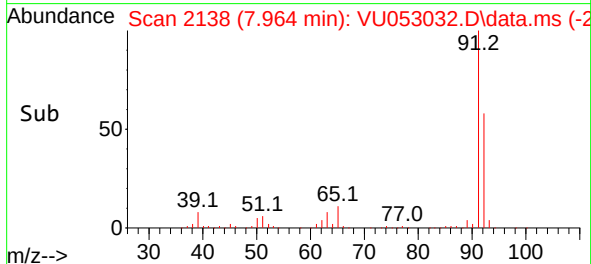
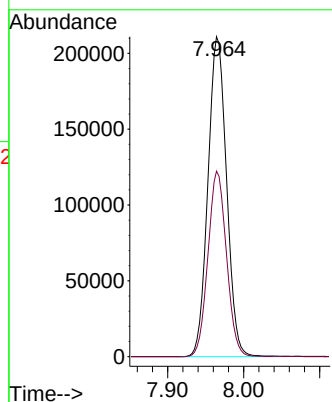
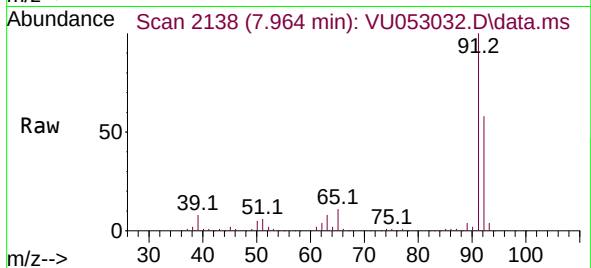
VSTD010010

Tgt Ion: 91 Resp: 359180

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 10.456 ug/L

RT: 8.205 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053032.D

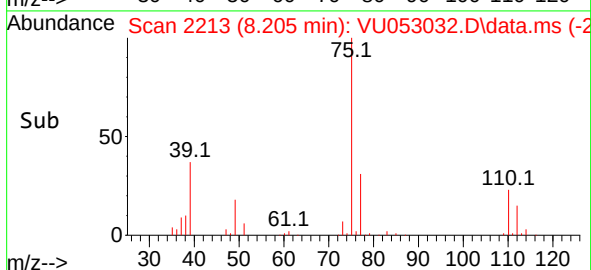
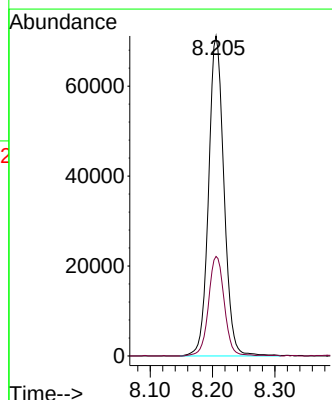
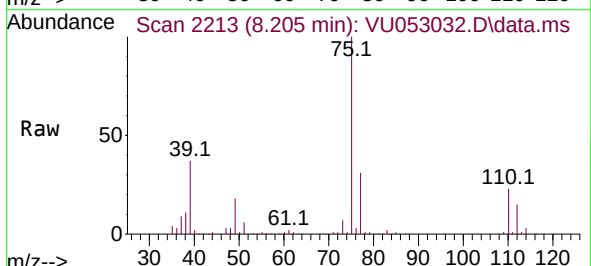
Acq: 10 Feb 2023 12:09

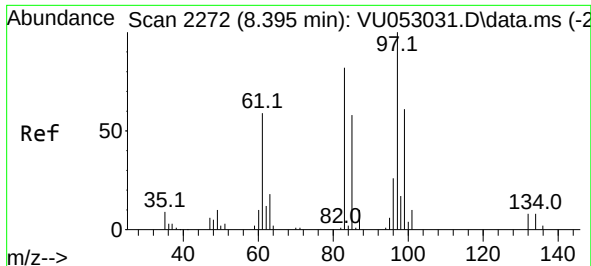
Tgt Ion: 75 Resp: 122094

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



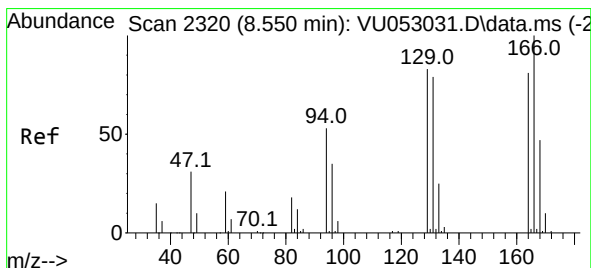
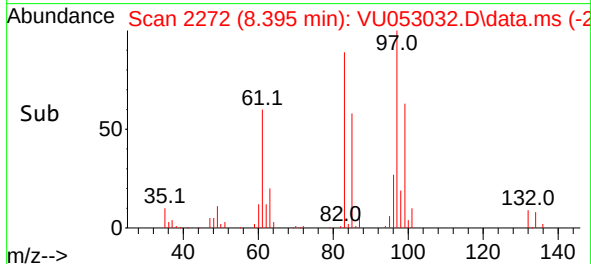
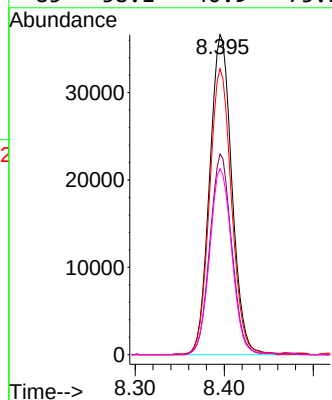
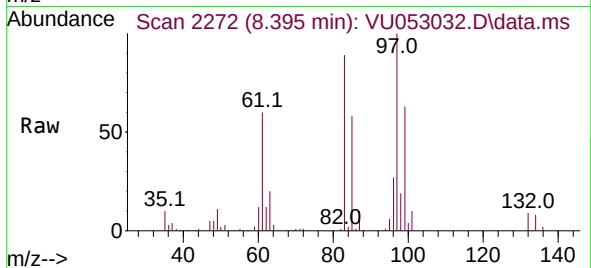


#45
1,1,2-Trichloroethane
Concen: 9.936 ug/L
RT: 8.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

Tgt Ion: 97 Resp: 63534

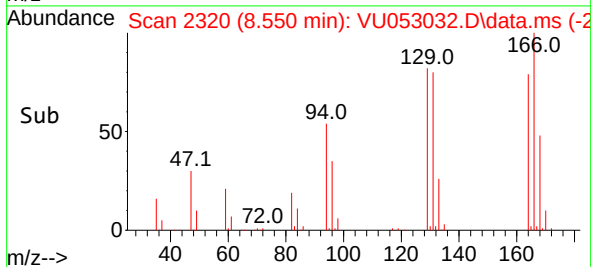
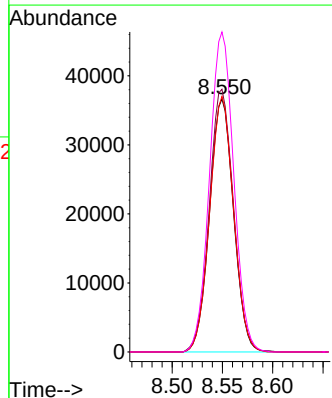
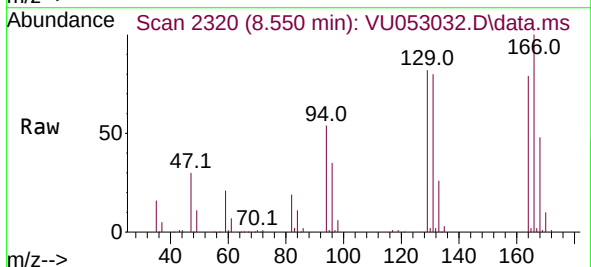
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.0	79.8
83	89.4	58.0	107.8
85	58.1	40.9	75.9

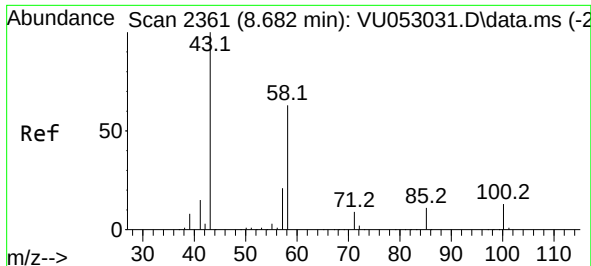


#47
Tetrachloroethene
Concen: 10.200 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 164 Resp: 60805

Ion	Ratio	Lower	Upper
164	100		
129	103.9	71.7	133.1
131	101.0	67.8	126.0
166	126.5	86.4	160.4



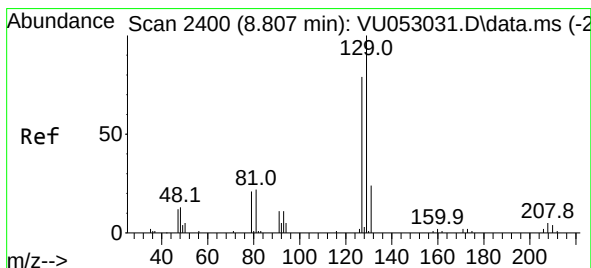
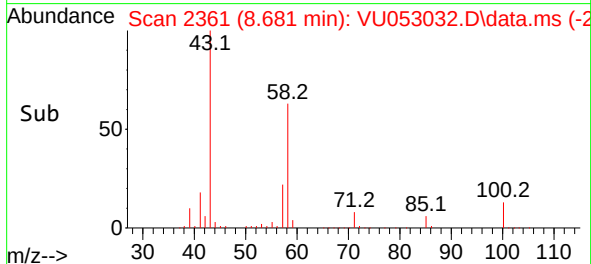
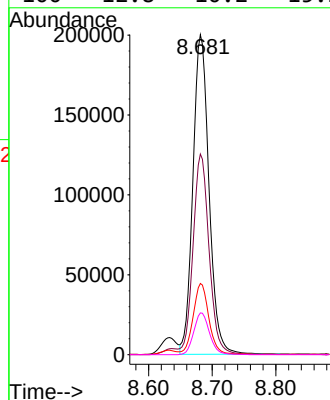
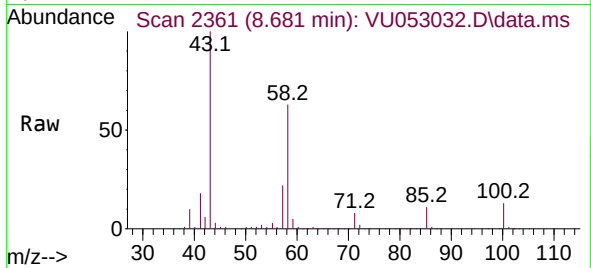


#48
2-Hexanone
Concen: 103.357 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

Tgt Ion: 43 Resp: 351449

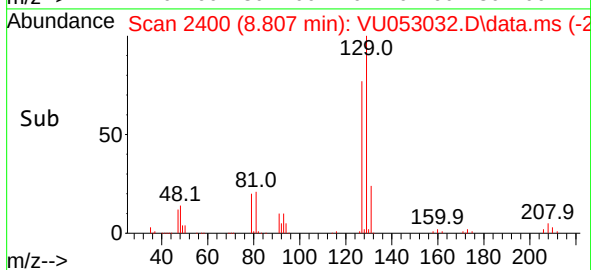
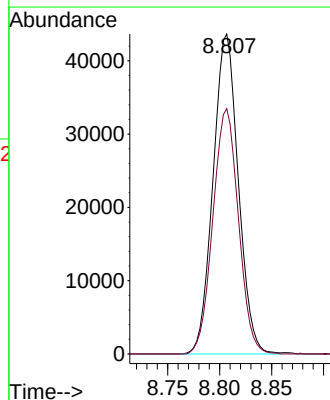
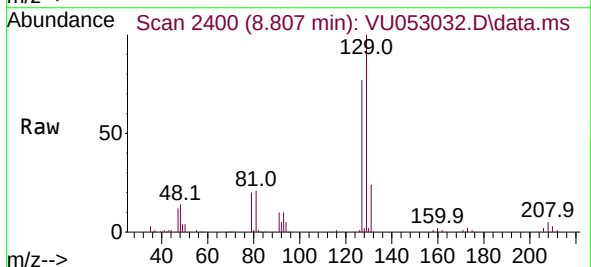
Ion	Ratio	Lower	Upper
43	100		
58	62.3	50.3	75.5
57	21.3	17.4	26.0
100	12.8	10.2	15.2

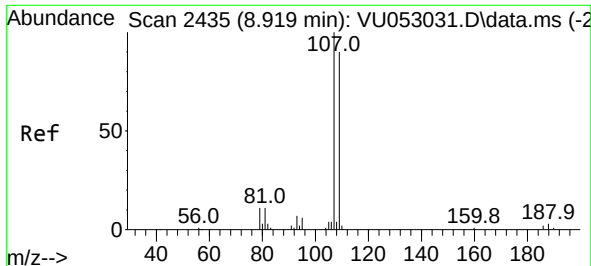


#49
Dibromochloromethane
Concen: 10.591 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 129 Resp: 73833

Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.9	102.1





#50

1,2-Dibromoethane

Concen: 10.434 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

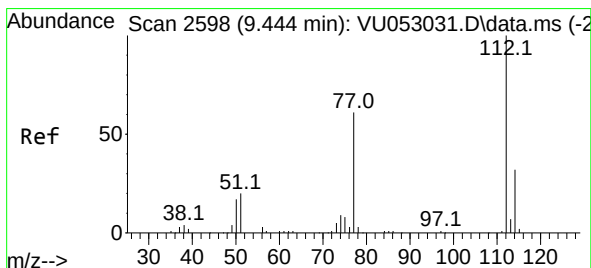
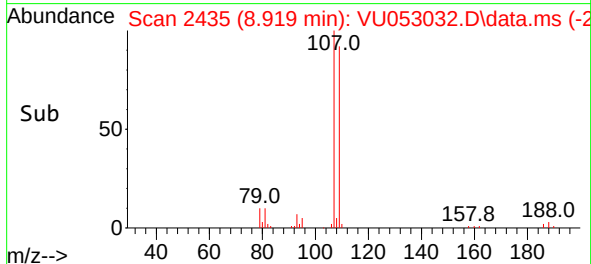
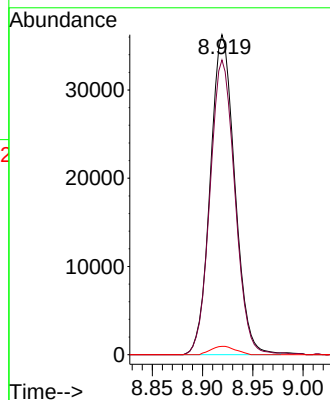
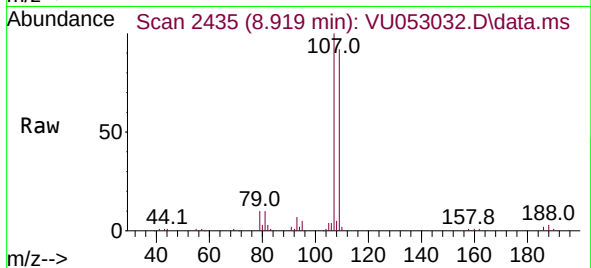
Tgt Ion:107 Resp: 61562

Ion Ratio Lower Upper

107 100

109 92.1 63.1 117.1

188 2.6 2.5 3.7



#51

Chlorobenzene

Concen: 10.219 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

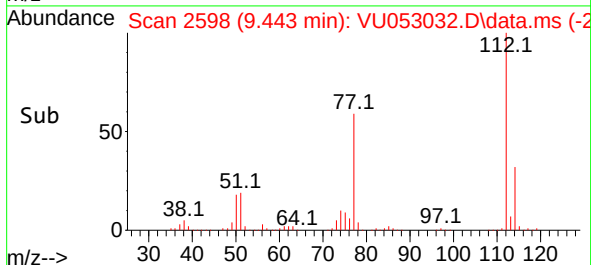
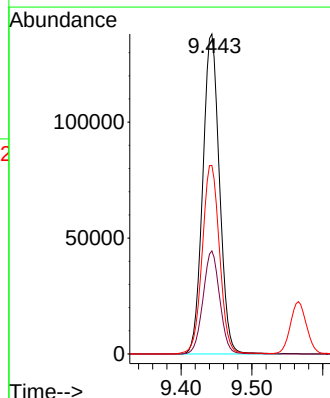
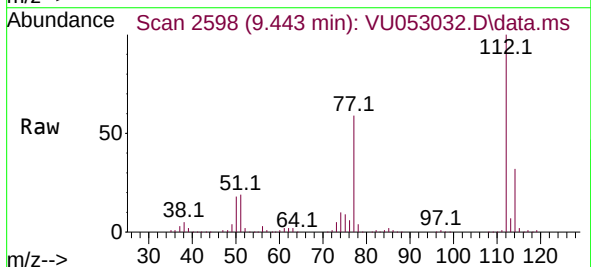
Tgt Ion:112 Resp: 225701

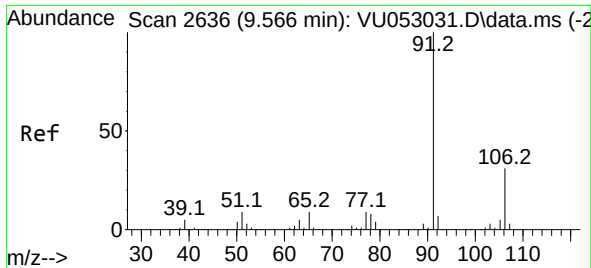
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 58.9 48.9 73.3

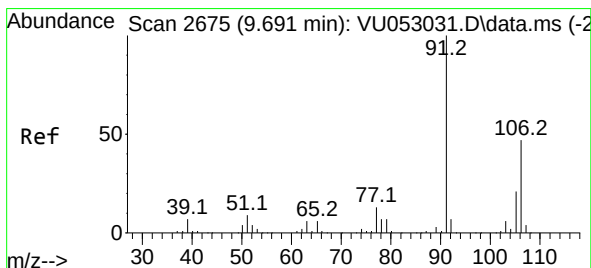
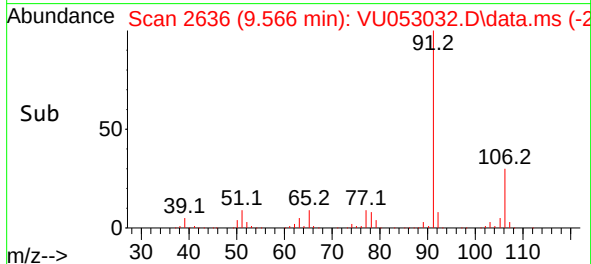
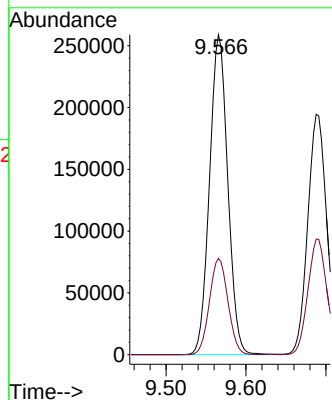
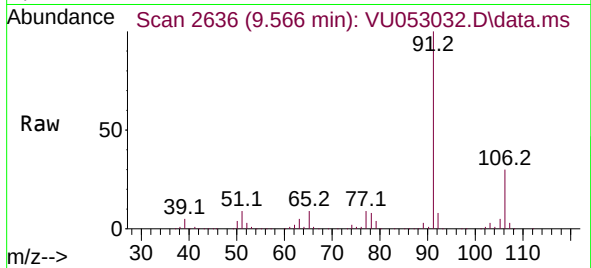




#52
Ethylbenzene
Concen: 10.219 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

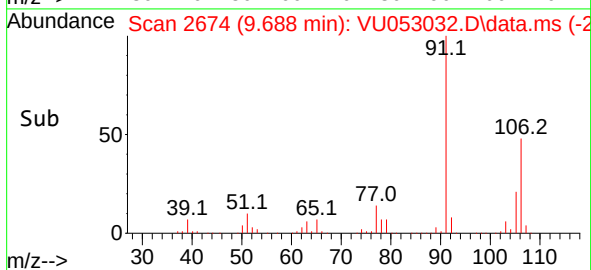
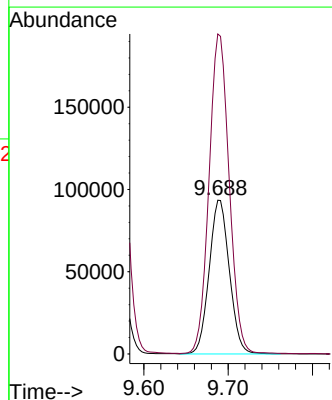
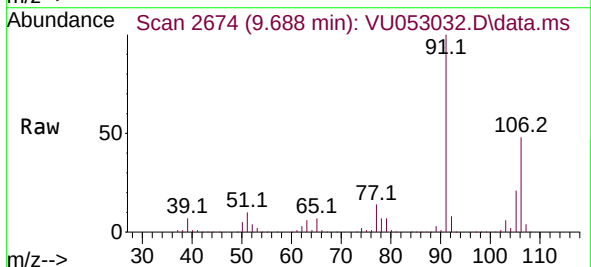
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

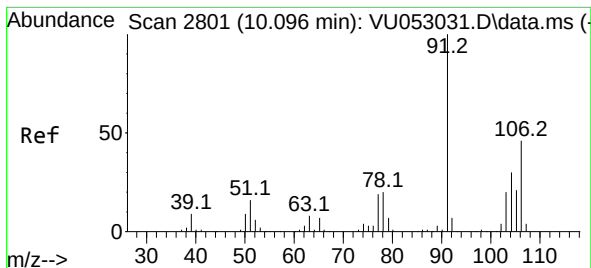
Tgt Ion: 91 Resp: 410581
Ion Ratio Lower Upper
91 100
106 30.1 21.4 39.8



#53
m,p-Xylene
Concen: 10.369 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.003 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion:106 Resp: 155785
Ion Ratio Lower Upper
106 100
91 208.1 149.9 278.3





#54

o-Xylene

Concen: 10.442 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

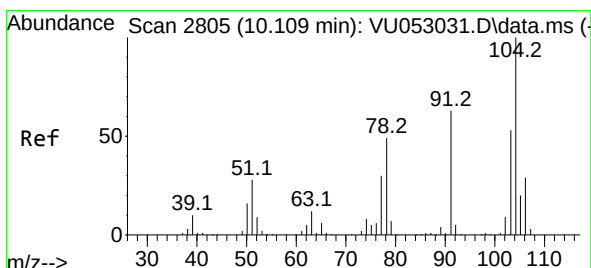
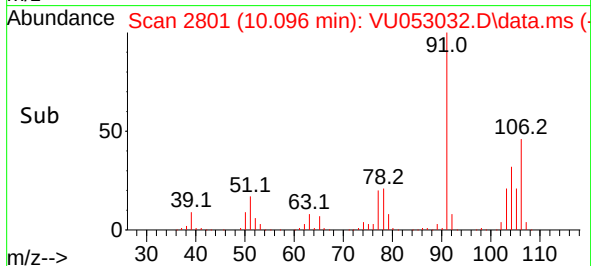
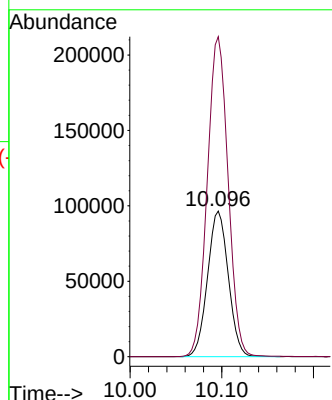
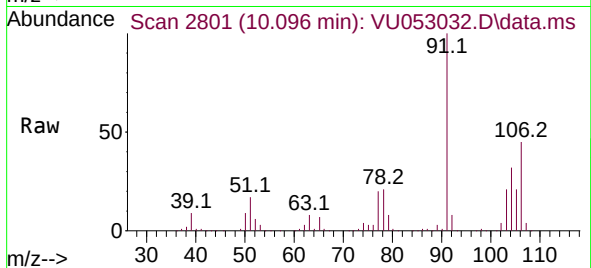
VSTD010010

Tgt Ion:106 Resp: 152076

Ion Ratio Lower Upper

106 100

91 219.8 153.6 285.2



#55

Styrene

Concen: 10.676 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053032.D

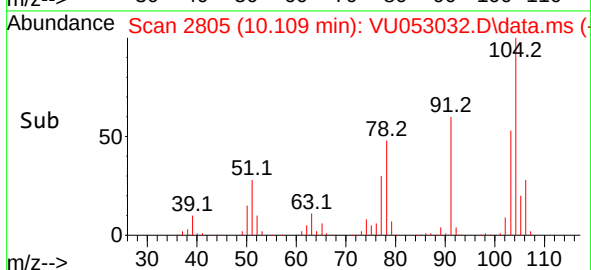
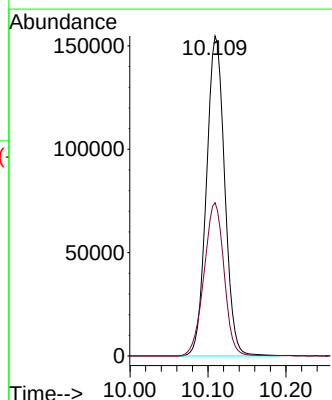
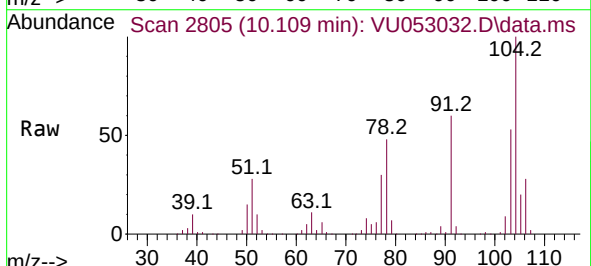
Acq: 10 Feb 2023 12:09

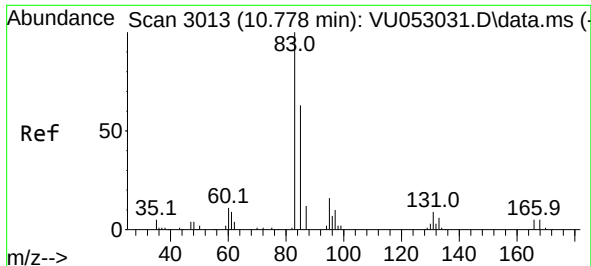
Tgt Ion:104 Resp: 252212

Ion Ratio Lower Upper

104 100

78 47.9 34.3 63.7

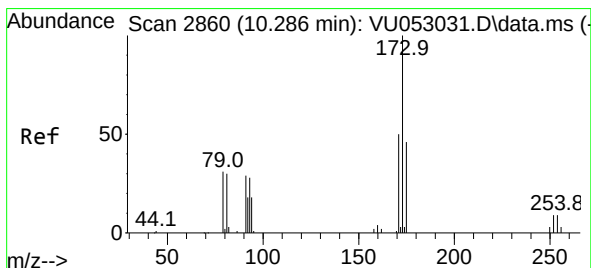
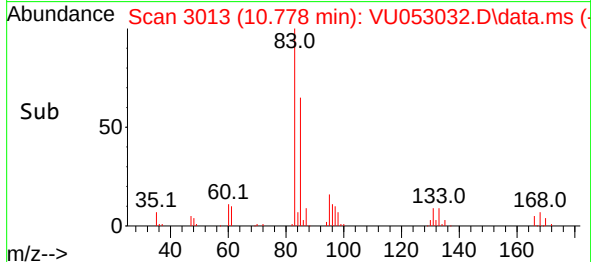
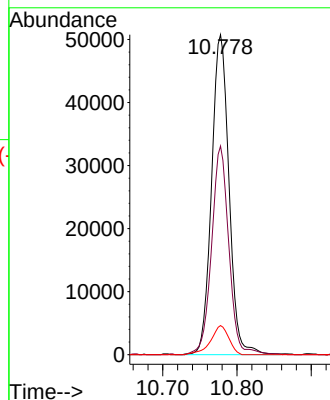
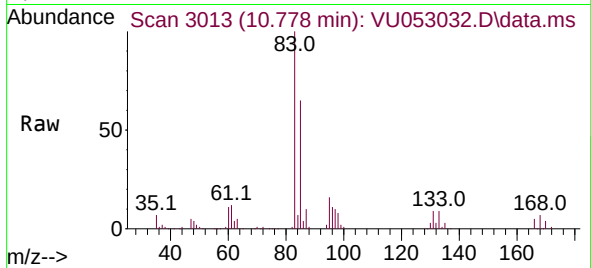




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.198 ug/L
 RT: 10.778 min Scan# 3013
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

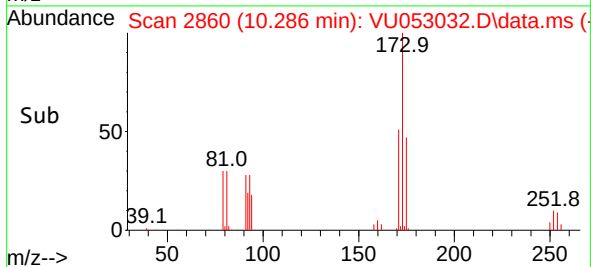
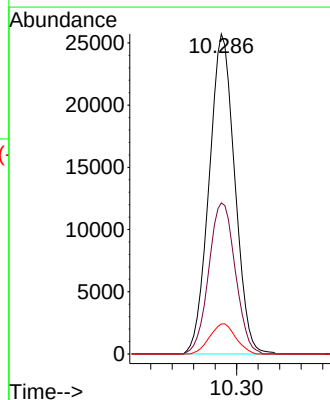
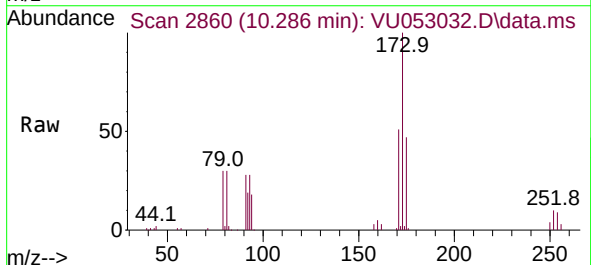
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

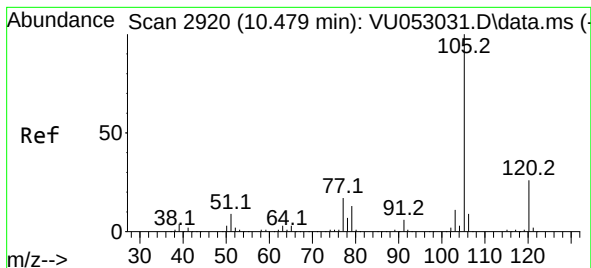
Tgt Ion: 83 Resp: 82507
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.7 82.9
 131 9.1 7.8 11.6



#59
 Bromoform
 Concen: 10.428 ug/L
 RT: 10.286 min Scan# 2860
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

Tgt Ion: 173 Resp: 42538
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.9 58.3
 254 9.5 7.0 10.4





#60

Isopropylbenzene

Concen: 10.124 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

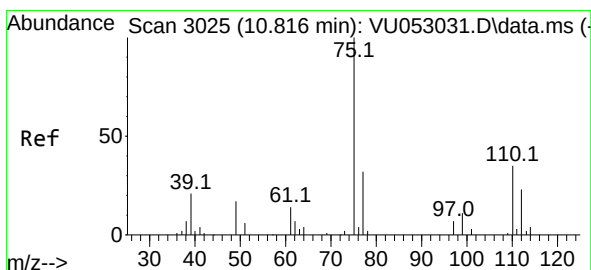
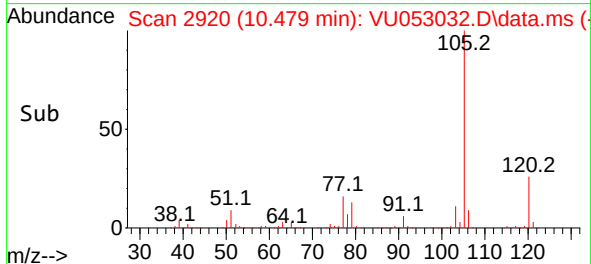
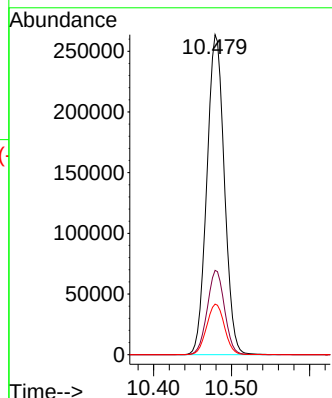
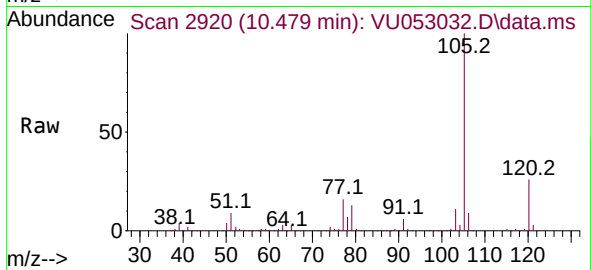
Tgt Ion:105 Resp: 411020

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 10.491 ug/L

RT: 10.816 min Scan# 3025

Delta R.T. -0.000 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

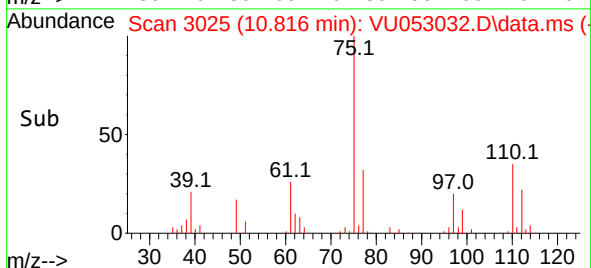
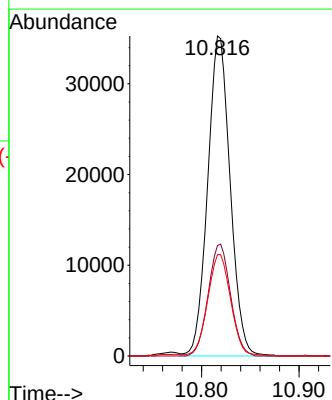
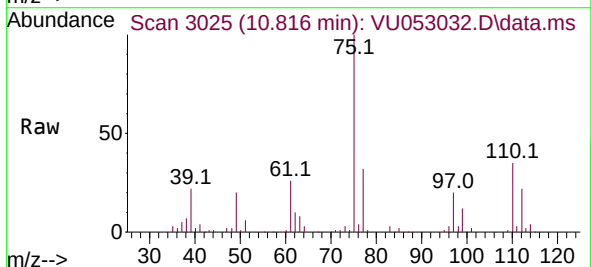
Tgt Ion: 75 Resp: 56534

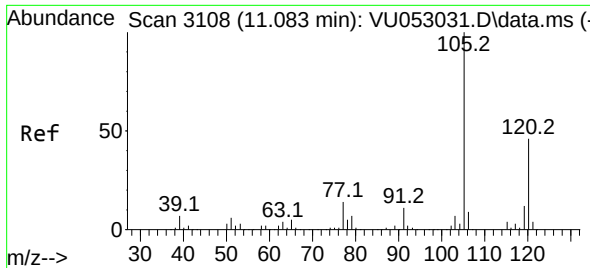
Ion Ratio Lower Upper

75 100

110 34.7 28.6 42.8

77 32.5 27.6 41.4

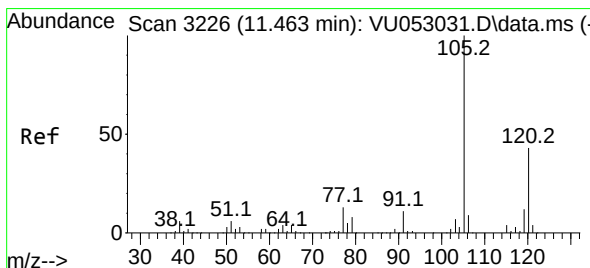
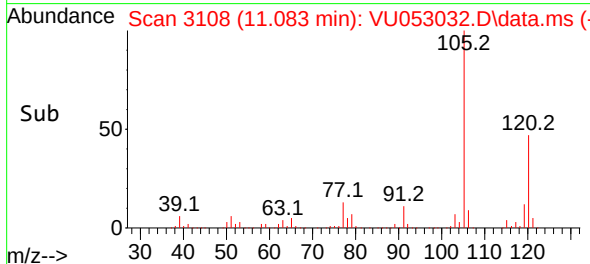
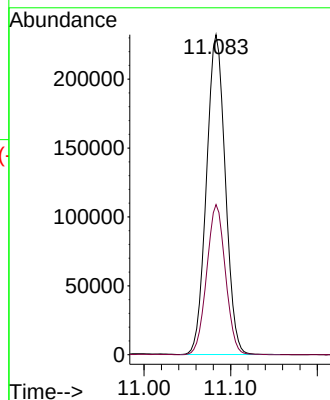
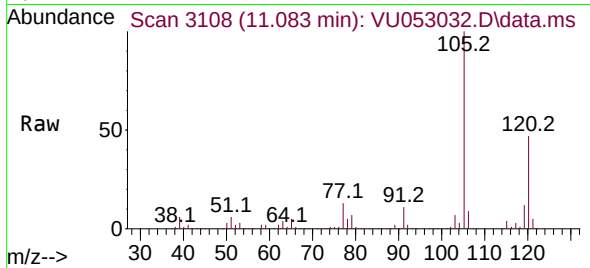




#62
1,3,5-Trimethylbenzene
Concen: 10.219 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

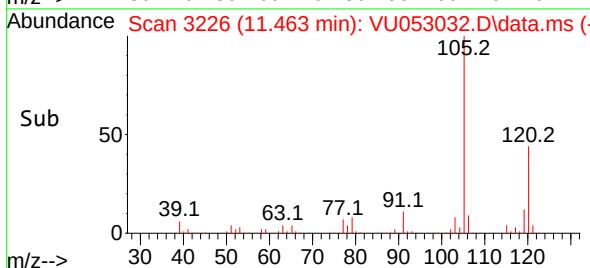
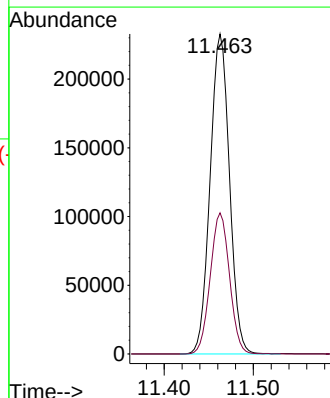
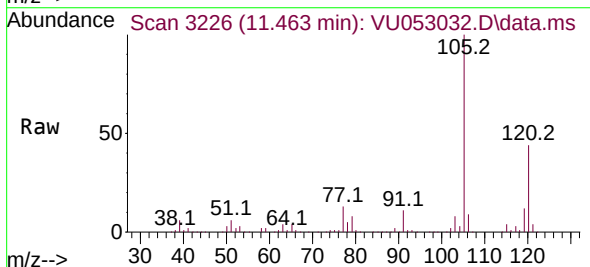
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

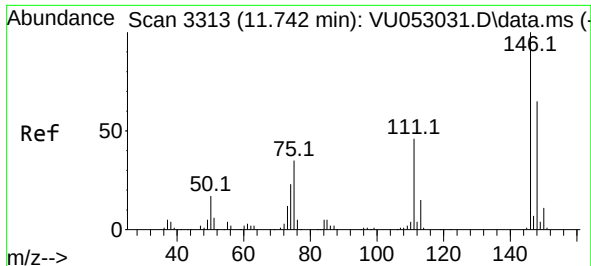
Tgt Ion:105 Resp: 350374
Ion Ratio Lower Upper
105 100
120 46.7 37.0 55.6



#63
1,2,4-Trimethylbenzene
Concen: 10.217 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion:105 Resp: 350600
Ion Ratio Lower Upper
105 100
120 43.9 34.7 52.1

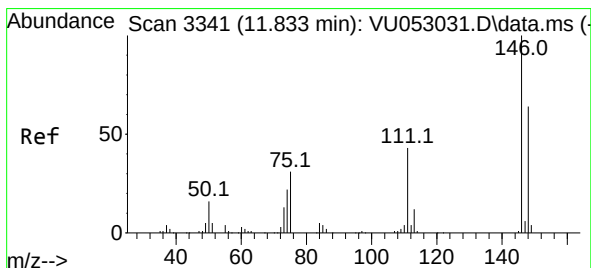
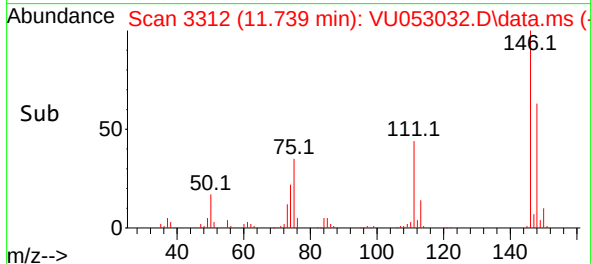
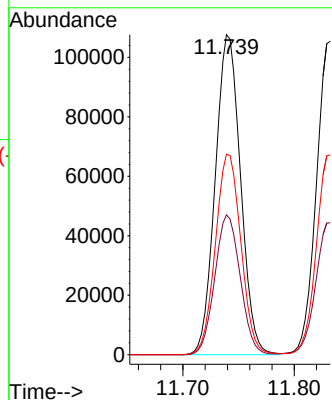
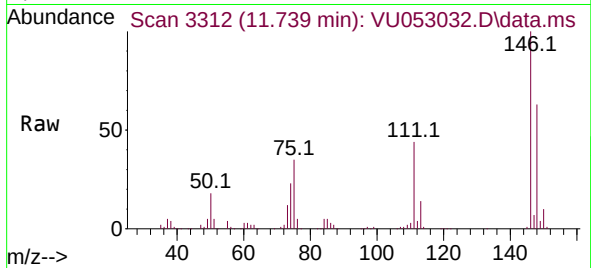




#64
1,3-Dichlorobenzene
Concen: 10.341 ug/L
RT: 11.739 min Scan# 3313
Delta R.T. -0.003 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

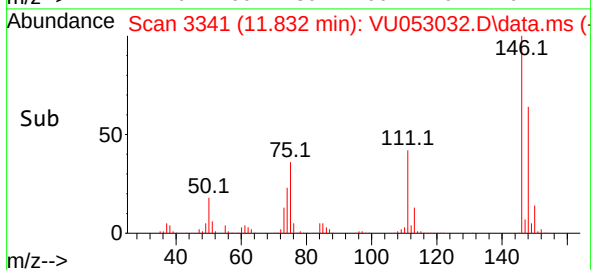
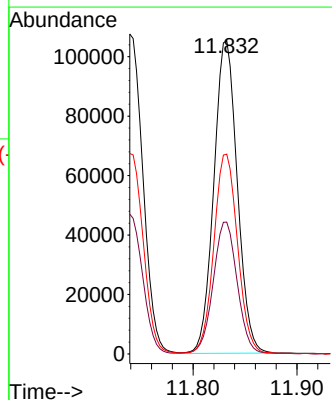
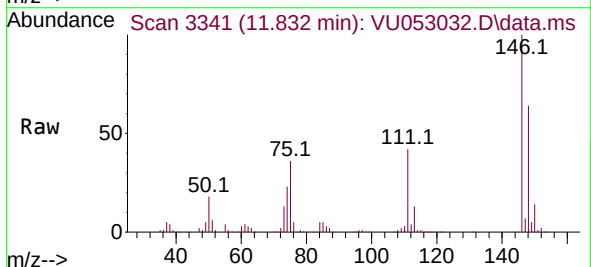
Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

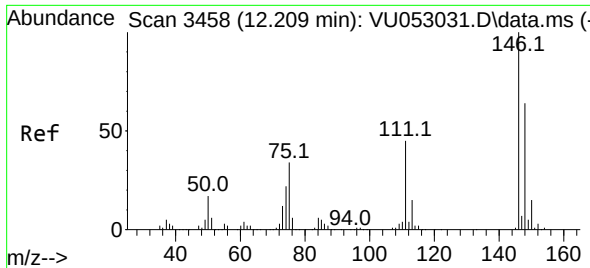
Tgt Ion:146 Resp: 170013
Ion Ratio Lower Upper
146 100
111 43.7 32.0 59.4
148 62.7 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 10.031 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion:146 Resp: 165243
Ion Ratio Lower Upper
146 100
111 42.1 30.3 56.3
148 63.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 10.215 ug/L

RT: 12.205 min Scan# 34

Delta R.T. -0.003 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD010010

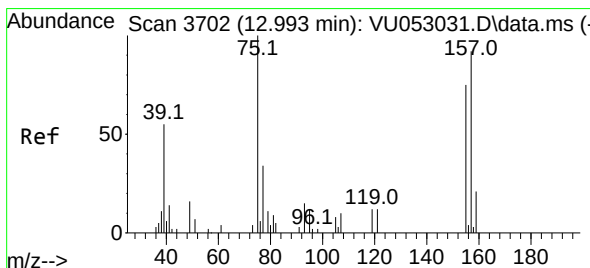
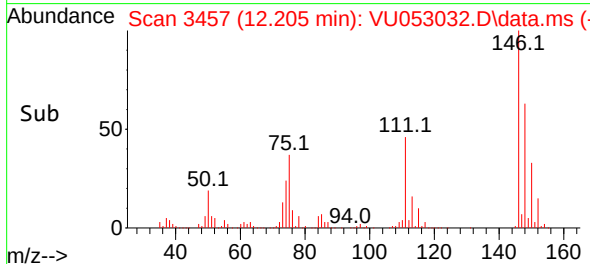
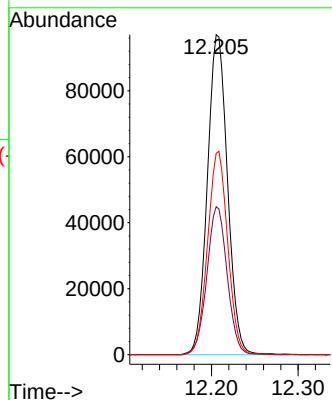
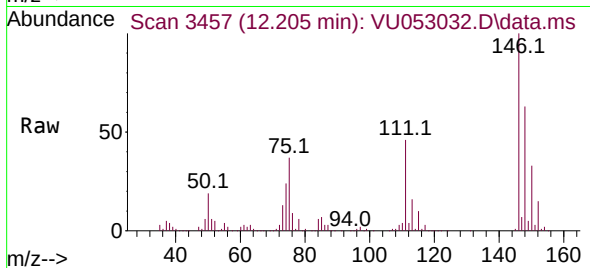
Tgt Ion:146 Resp: 156596

Ion Ratio Lower Upper

146 100

111 46.2 36.3 54.5

148 62.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 11.476 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.003 min

Lab File: VU053032.D

Acq: 10 Feb 2023 12:09

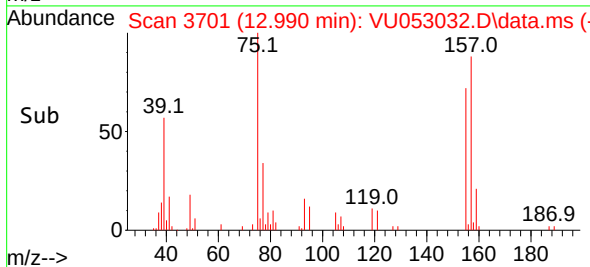
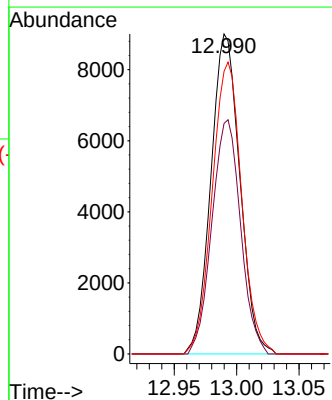
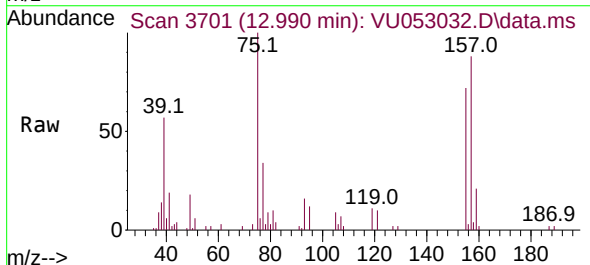
Tgt Ion: 75 Resp: 14534

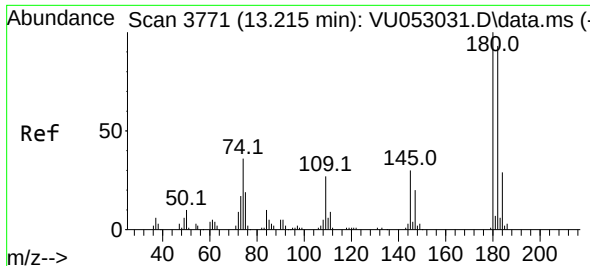
Ion Ratio Lower Upper

75 100

155 72.1 59.8 89.8

157 88.3 73.2 109.8

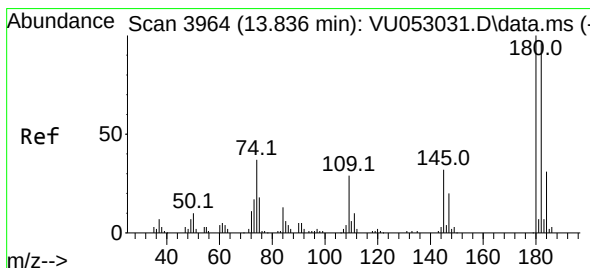
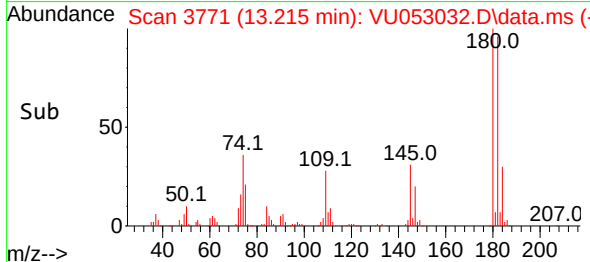
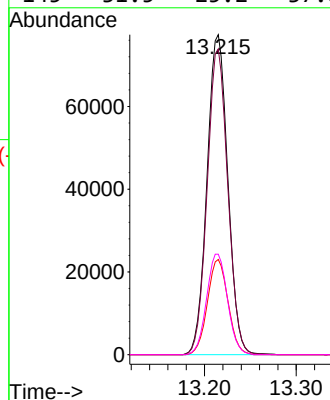
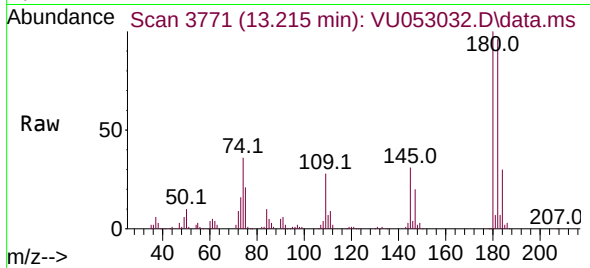




#69
 1,3,5-Trichlorobenzene
 Concen: 10.405 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

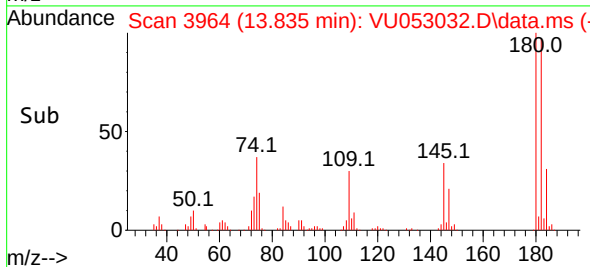
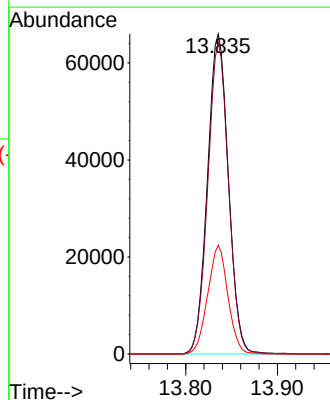
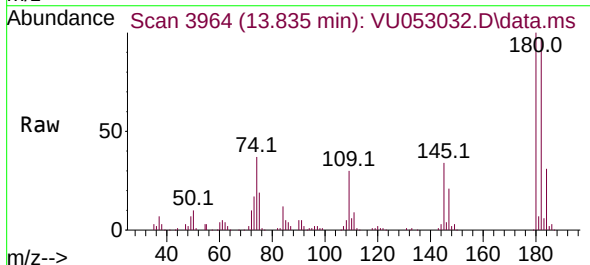
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010010

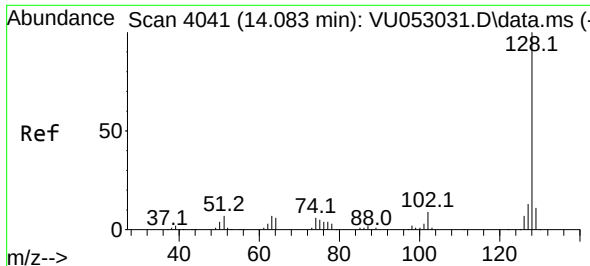
Tgt Ion:180 Resp: 121864
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.4 113.0
 184 29.5 23.8 35.6
 145 31.5 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 10.781 ug/L
 RT: 13.835 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU053032.D
 Acq: 10 Feb 2023 12:09

Tgt Ion:180 Resp: 104824
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.9 112.3
 145 32.7 25.1 37.7

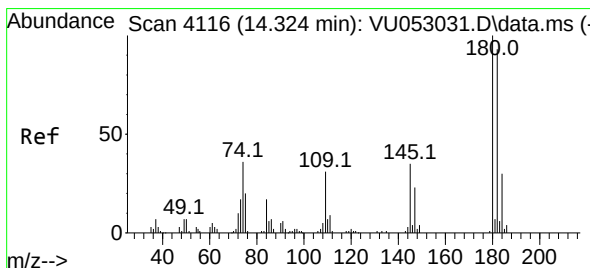
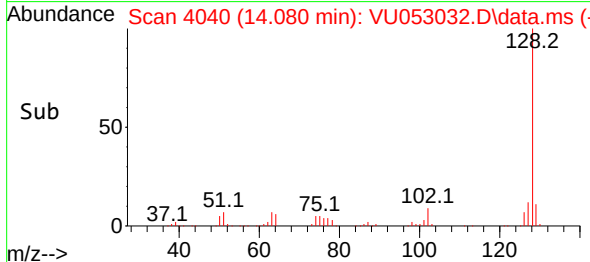
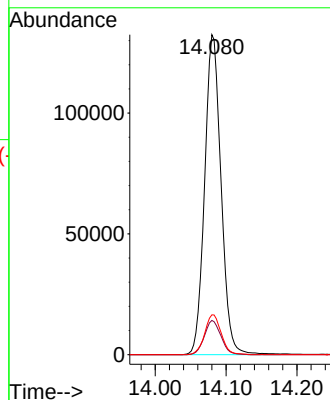
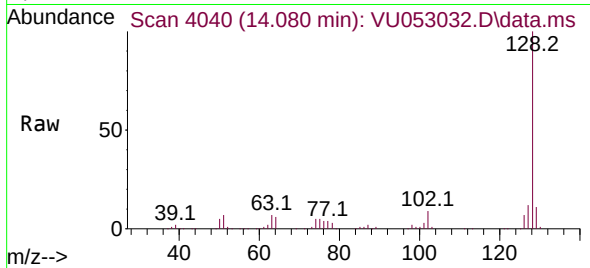




#71
Naphthalene
Concen: 10.934 ug/L
RT: 14.080 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD010010

Tgt Ion:128 Resp: 213214
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.5 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 11.037 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053032.D
Acq: 10 Feb 2023 12:09

Tgt Ion:180 Resp: 94713
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.4
145 33.7 28.2 42.2

