

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053029.D
 Acq On : 10 Feb 2023 10:57
 Operator : JC/MD
 Sample : VSTD0.507
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5007

Quant Time: Feb 10 23:02:10 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	6.247	114	129677	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	112964	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	52601	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	2978	0.479	ug/L	0.00
7) Chloroethane-d5	1.913	69	3018	0.517	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	1655	0.581	ug/L	0.00
20) 2-Butanone-d5	4.665	46	6835	3.592	ug/L	0.02
24) Chloroform-d	5.061	84	7428	0.520	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	3880	0.539	ug/L	0.00
32) Benzene-d6	5.727	84	13659	0.538	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.691	67	4865	0.550	ug/L	0.00
41) Toluene-d8	7.897	98	13629	0.594	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	1790	0.500	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	6856	4.315	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	3577	0.471	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	3939	0.501	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5196	0.546	ug/L	91
3) Chloromethane	1.518	50	5329	0.537	ug/L	98
5) Vinyl chloride	1.601	62	5416	0.496	ug/L	97
6) Bromomethane	1.855	94	3654	0.538	ug/L	90
8) Chloroethane	1.936	64	3444	0.535	ug/L	99
9) Trichlorofluoromethane	2.138	101	7495	0.498	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	3956	0.477	ug/L #	93
12) 1,1-Dichloroethene	2.579	96	4010	0.523	ug/L	94
13) Acetone	2.656	43	1006	0.732	ug/L	86
14) Carbon disulfide	2.791	76	11429	0.493	ug/L	97
15) Methyl Acetate	2.965	43	574	0.175	ug/L #	84
16) Methylene chloride	3.042	84	5249	0.591	ug/L	92
17) Methyl tert-butyl Ether	3.360	73	10603	0.509	ug/L	95
18) trans-1,2-Dichloroethene	3.350	96	4595	0.566	ug/L	85
19) 1,1-Dichloroethane	3.868	63	7714	0.505	ug/L	99
21) 2-Butanone	4.746	43	7005	3.442	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	4916	0.537	ug/L	97
23) Bromochloromethane	4.974	128	1625	0.448	ug/L	91
25) Chloroform	5.087	83	8409	0.526	ug/L	88
27) 1,2-Dichloroethane	5.800	62	4964	0.505	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	7012	0.520	ug/L	97
30) Cyclohexane	5.383	56	6972	0.517	ug/L #	95
31) Carbon tetrachloride	5.521	117	5659	0.502	ug/L	99
33) Benzene	5.775	78	16752	0.515	ug/L	100
34) Trichloroethene	6.540	95	5045	0.551	ug/L	96
35) Methylcyclohexane	6.762	83	7427	0.501	ug/L	94
37) 1,2-Dichloropropane	6.788	63	4313	0.487	ug/L #	90
38) Bromodichloromethane	7.106	83	5926	0.516	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	6765	0.479	ug/L	96
40) 4-Methyl-2-pentanone	7.794	43	22862	4.941	ug/L	98
42) Toluene	7.968	91	18227	0.515	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	5644	0.484	ug/L	93

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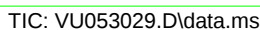
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

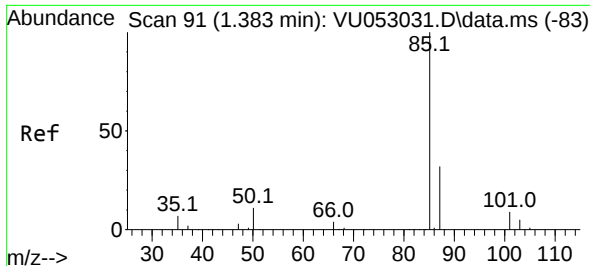
45) 1,1,2-Trichloroethane	8.398	97	3384	0.530	ug/L	97
47) Tetrachloroethene	8.550	164	2985	0.501	ug/L	97
48) 2-Hexanone	8.688	43	15532	4.574	ug/L	94
49) Dibromochloromethane	8.807	129	3329	0.478	ug/L	97
50) 1,2-Dibromoethane	8.923	107	2753	0.467	ug/L #	96
51) Chlorobenzene	9.447	112	11373	0.516	ug/L	94
52) Ethylbenzene	9.569	91	20538	0.512	ug/L	96
53) m,p-Xylene	9.691	106	7651	0.510	ug/L	93
54) o-Xylene	10.099	106	6900	0.474	ug/L	95
55) Styrene	10.112	104	11007	0.467	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	4123	0.510	ug/L #	98
59) Bromoform	10.292	173	1820	0.476	ug/L #	97
60) Isopropylbenzene	10.482	105	19674	0.517	ug/L	96
61) 1,2,3-Trichloropropane	10.823	75	2467	0.488	ug/L	94
62) 1,3,5-Trimethylbenzene	11.086	105	16082	0.500	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	16351	0.508	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	7759	0.503	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	7965	0.516	ug/L	97
67) 1,2-Dichlorobenzene	12.212	146	7262	0.505	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	476	0.401	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.218	180	5450	0.496	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	4137	0.454	ug/L	98
71) Naphthalene	14.090	128	8286	0.453	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	3607	0.448	ug/L	98

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

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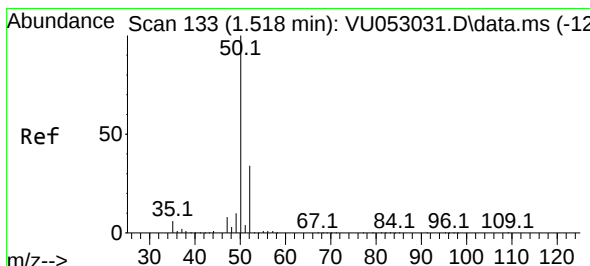
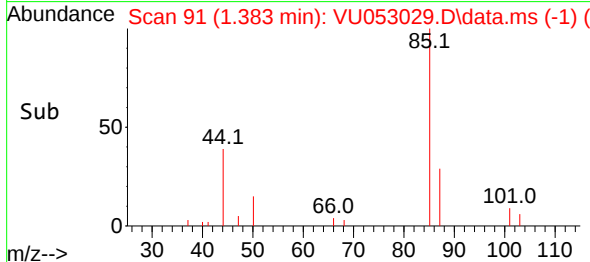
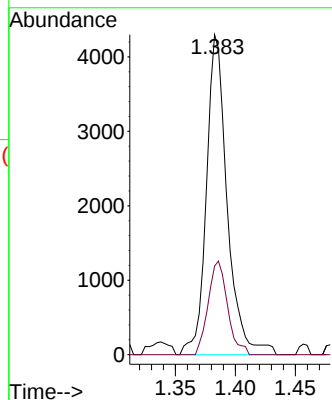
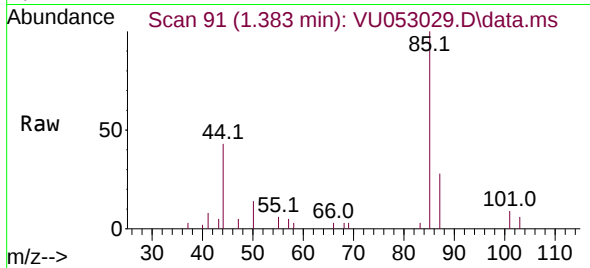




#2
 Dichlorodifluoromethane
 Concen: 0.546 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

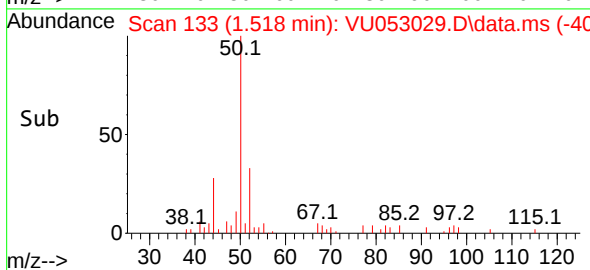
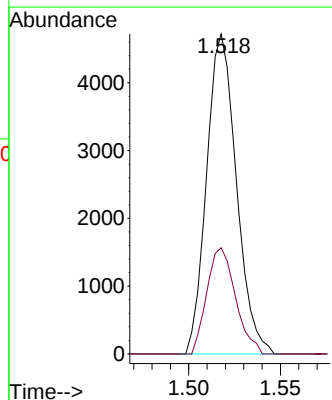
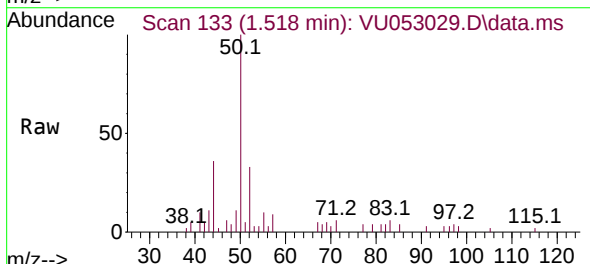
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5007

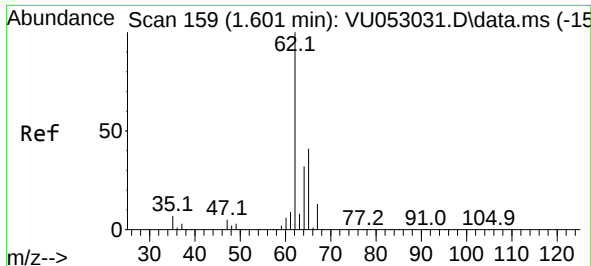
Tgt Ion: 85 Resp: 5196
 Ion Ratio Lower Upper
 85 100
 87 27.1 25.5 38.3



#3
 Chloromethane
 Concen: 0.537 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

Tgt Ion: 50 Resp: 5329
 Ion Ratio Lower Upper
 50 100
 52 33.2 24.1 44.7

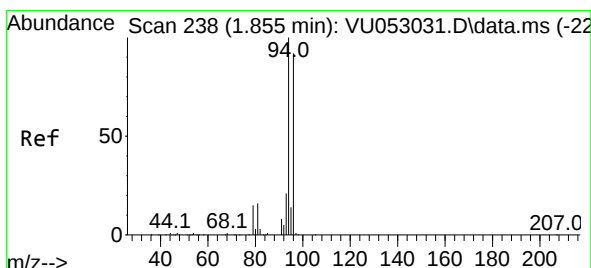
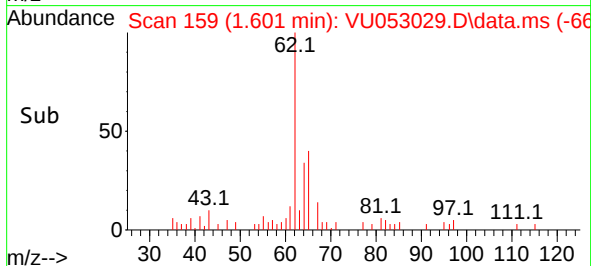
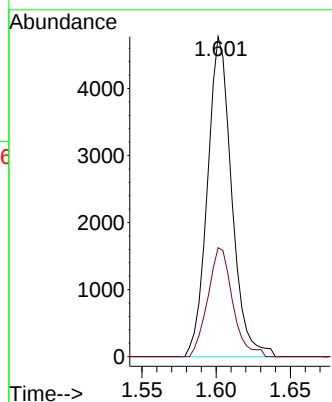
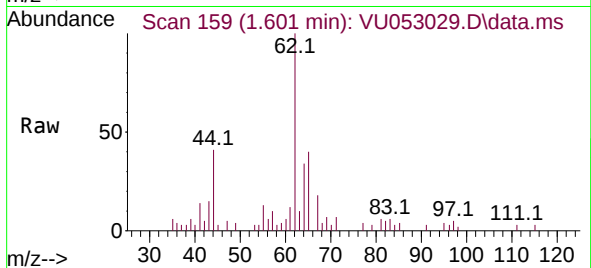




#5
 Vinyl chloride
 Concen: 0.496 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

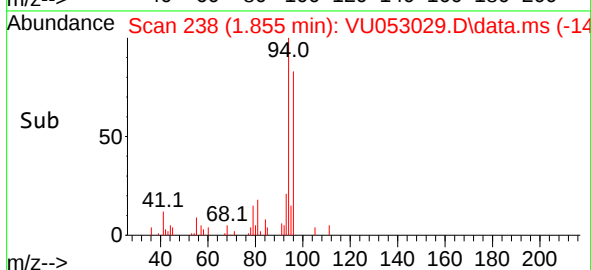
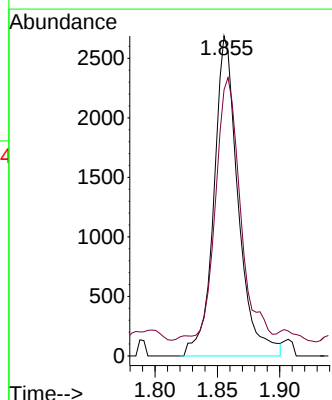
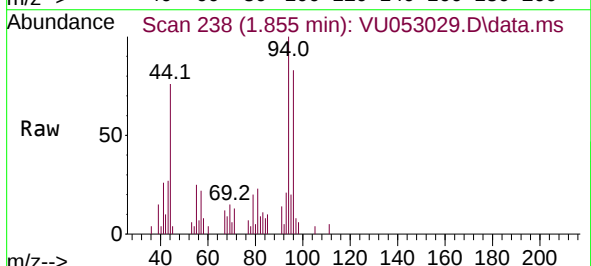
Instrument :
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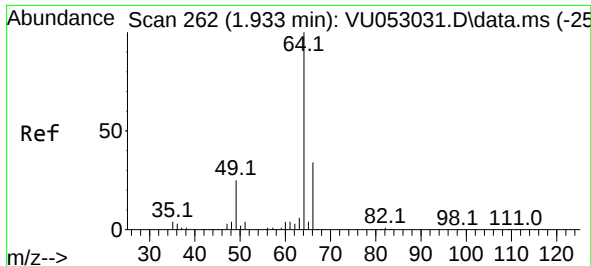
Tgt Ion: 62 Resp: 5416
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.5 41.9



#6
 Bromomethane
 Concen: 0.538 ug/L
 RT: 1.855 min Scan# 238
 Delta R.T. -0.000 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

Tgt Ion: 94 Resp: 3654
 Ion Ratio Lower Upper
 94 100
 96 83.2 64.8 120.3

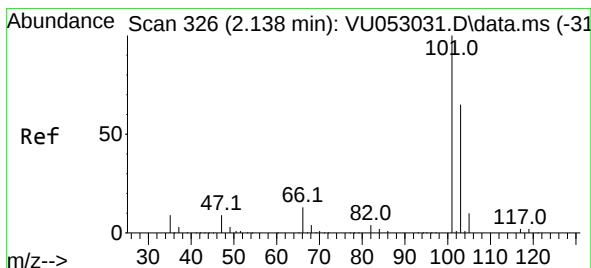
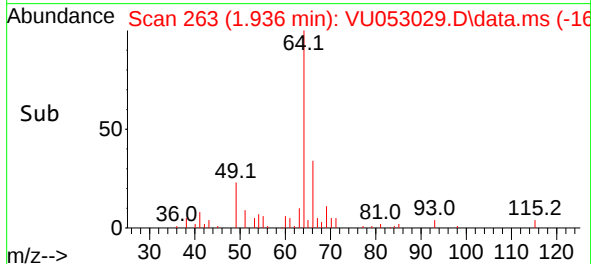
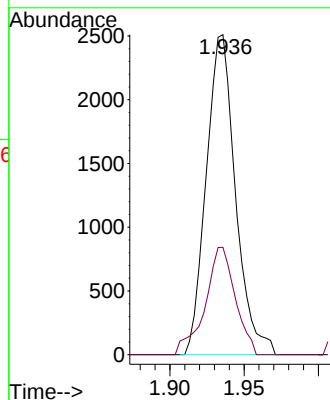
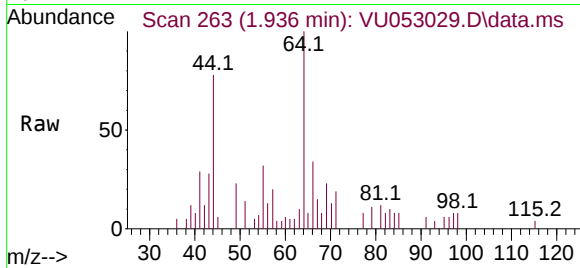




#8
Chloroethane
Concen: 0.535 ug/L
RT: 1.936 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

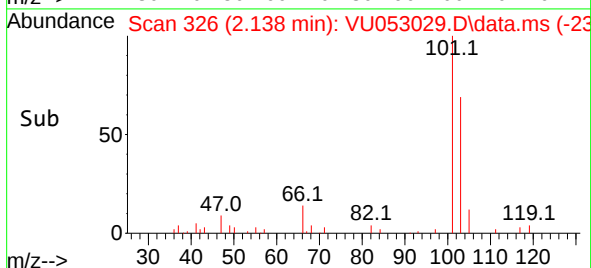
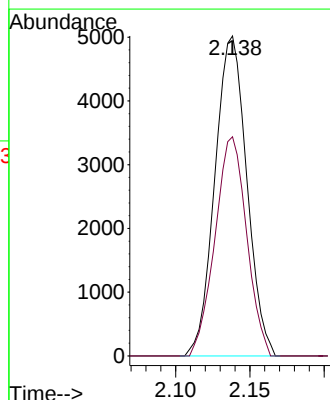
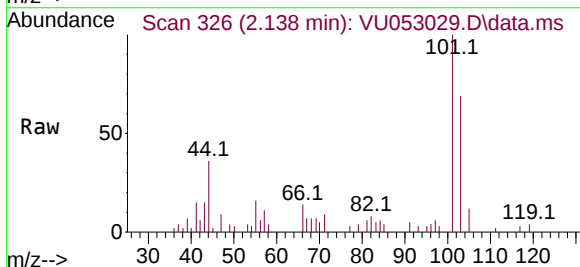
Instrument :
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VSTD0.5007

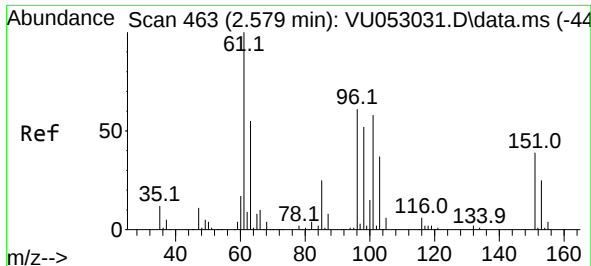
Tgt Ion: 64 Resp: 3444
Ion Ratio Lower Upper
64 100
66 33.5 23.9 44.3



#9
Trichlorofluoromethane
Concen: 0.498 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion:101 Resp: 7495
Ion Ratio Lower Upper
101 100
103 67.8 52.6 78.8





#10

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

Concen: 0.477 ug/L

RT: 2.579 min Scan# 4

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

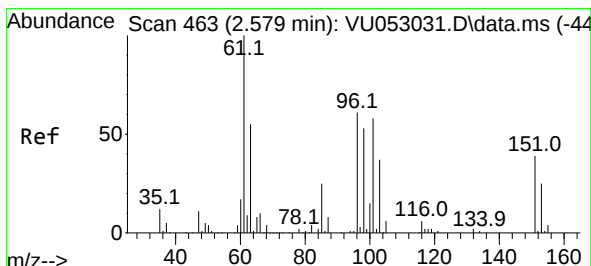
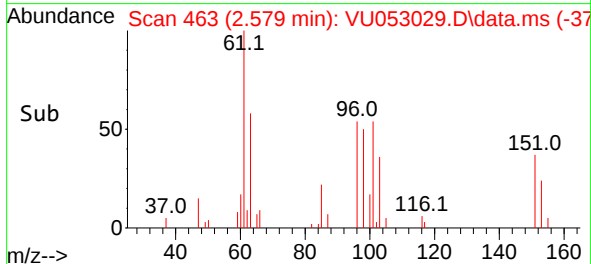
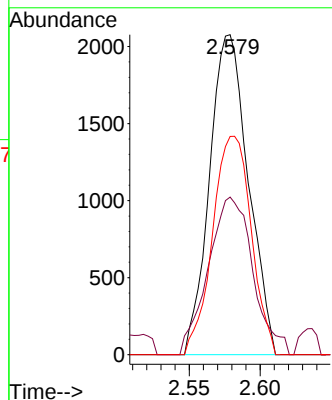
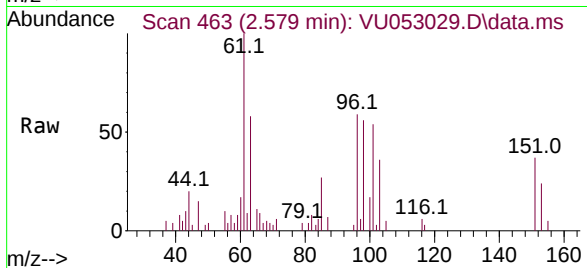
Tgt Ion:101 Resp: 3956

Ion Ratio Lower Upper

101 100

85 56.7 36.8 55.2#

151 68.0 53.8 80.8



#12

1,1-Dichloroethene

Concen: 0.523 ug/L

RT: 2.579 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

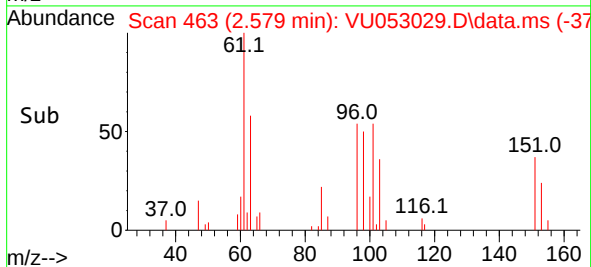
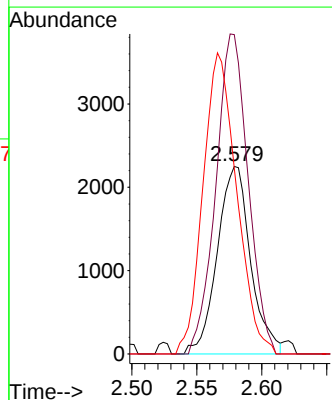
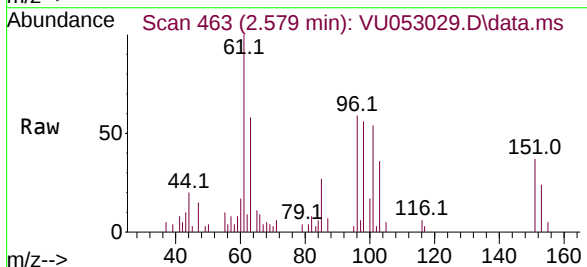
Tgt Ion: 96 Resp: 4010

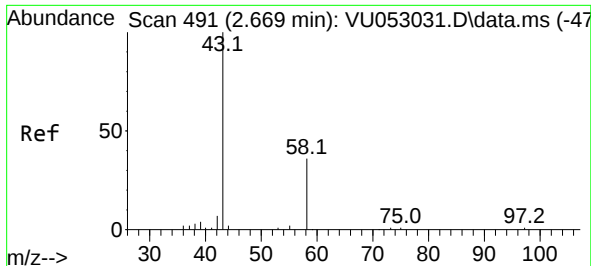
Ion Ratio Lower Upper

96 100

61 170.3 115.1 213.7

63 99.1 63.6 118.0





#13

Acetone

Concen: 0.732 ug/L

RT: 2.656 min Scan# 41

Delta R.T. -0.013 min

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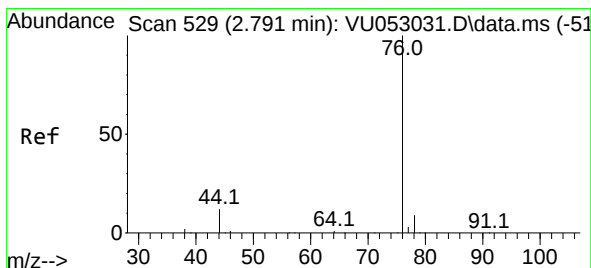
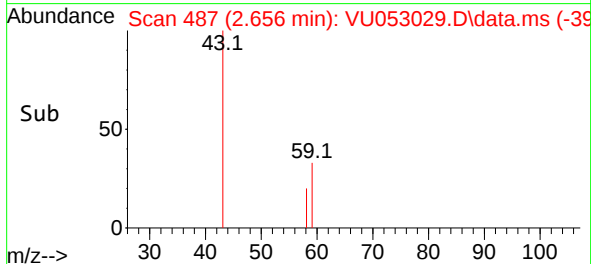
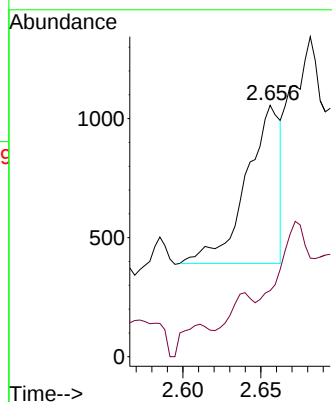
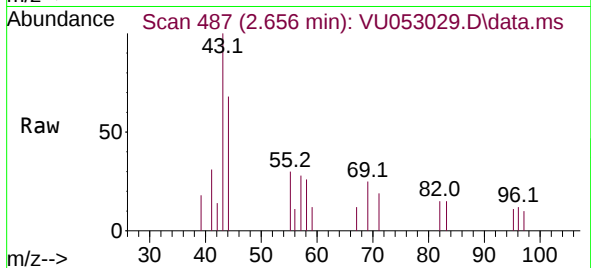
VSTD0.5007

Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

58 15.0 0.0 19.6



#14

Carbon disulfide

Concen: 0.493 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053029.D

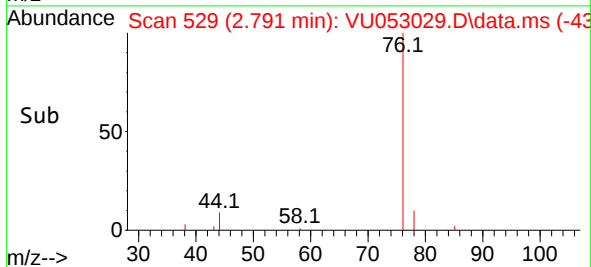
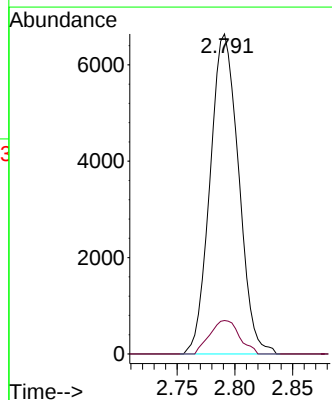
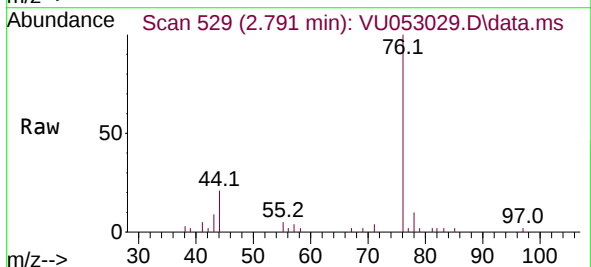
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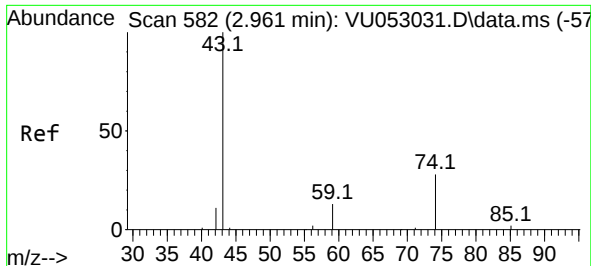
Tgt Ion: 76 Resp: 11429

Ion Ratio Lower Upper

76 100

78 10.5 7.5 11.3





#15

Methyl Acetate

Concen: 0.175 ug/L

RT: 2.965 min Scan# 583

Delta R.T. 0.003 min

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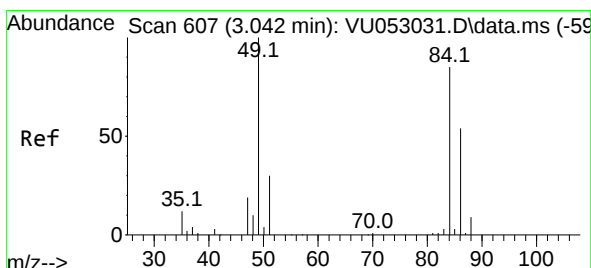
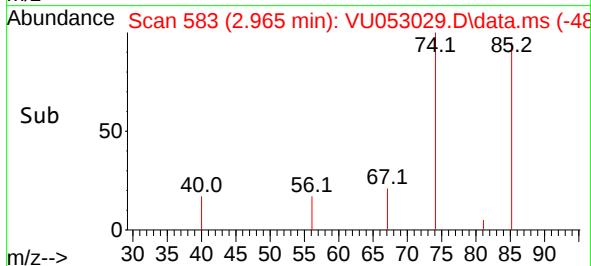
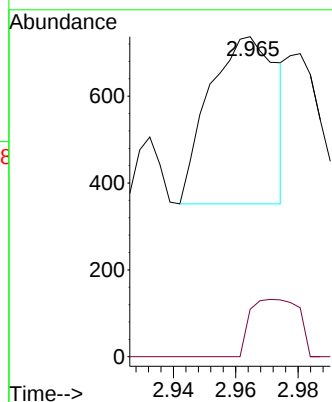
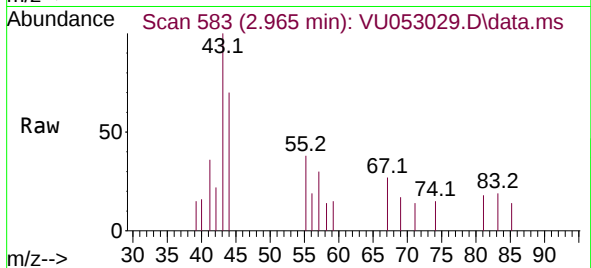
VSTD0.5007

Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

43 100

74 24.9 14.3 21.5#



#16

Methylene chloride

Concen: 0.591 ug/L

RT: 3.042 min Scan# 607

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

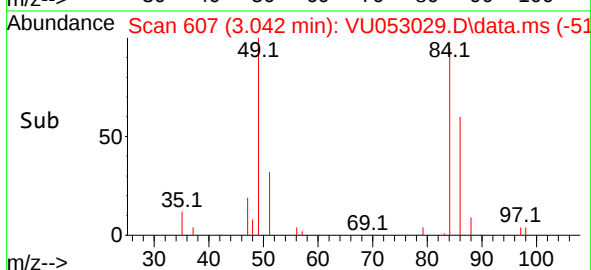
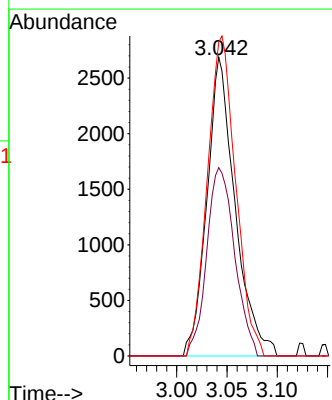
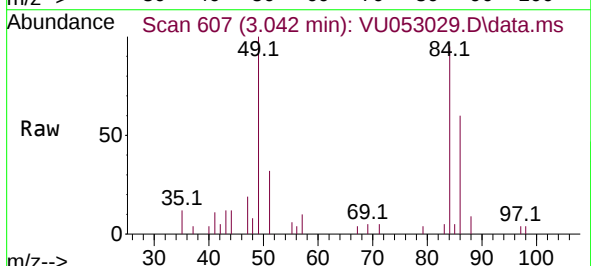
Tgt Ion: 84 Resp: 5249

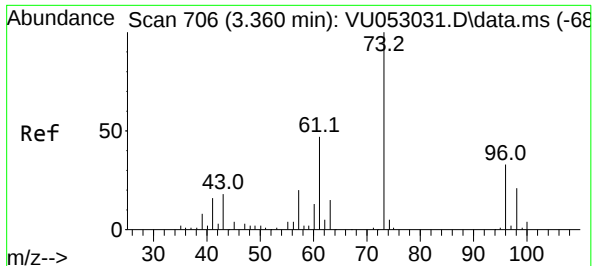
Ion Ratio Lower Upper

84 100

86 63.0 44.9 83.3

49 105.0 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 0.509 ug/L

RT: 3.360 min Scan# 706

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

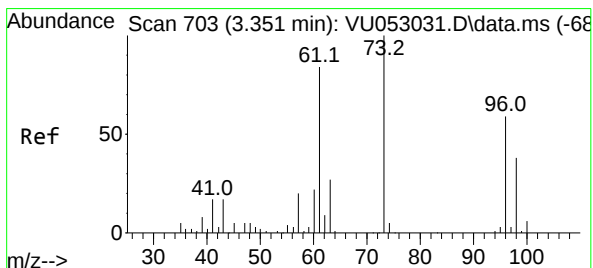
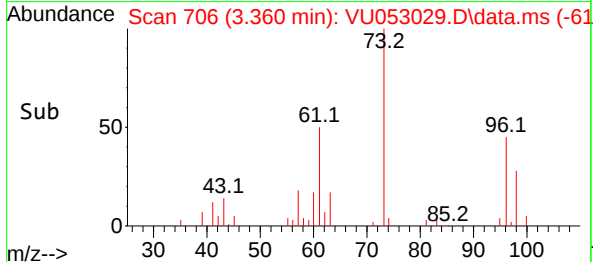
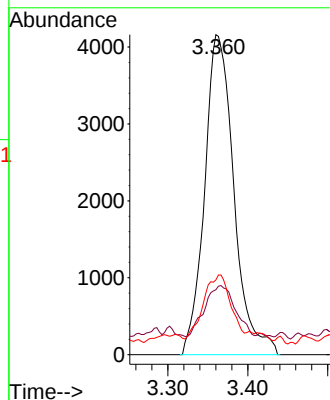
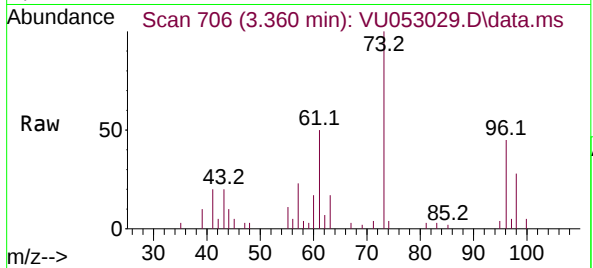
Tgt Ion: 73 Resp: 10603

Ion Ratio Lower Upper

73 100

43 16.3 14.6 21.8

57 18.4 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 0.566 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

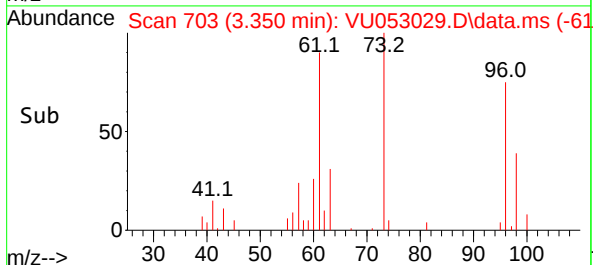
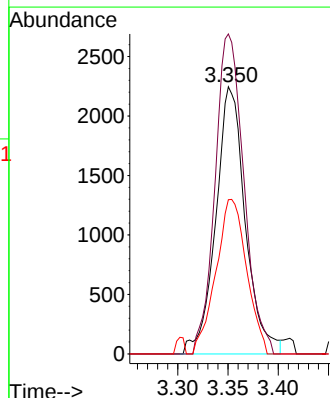
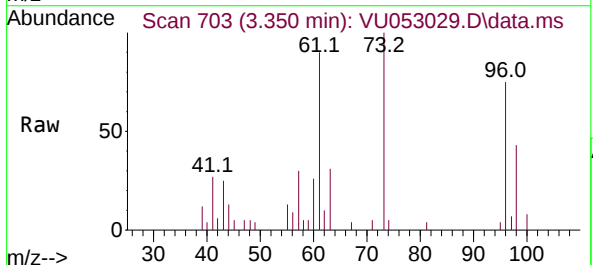
Tgt Ion: 96 Resp: 4595

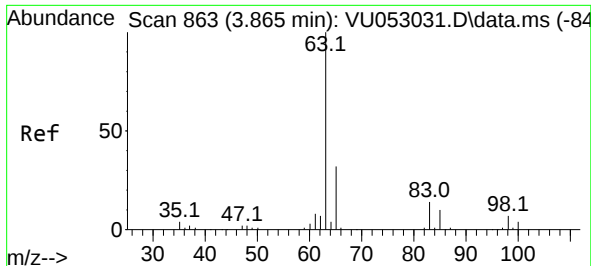
Ion Ratio Lower Upper

96 100

61 119.8 99.5 184.9

98 57.7 44.8 83.2





#19

1,1-Dichloroethane

Concen: 0.505 ug/L

RT: 3.868 min Scan# 864

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

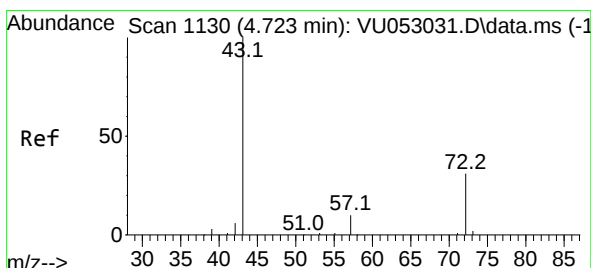
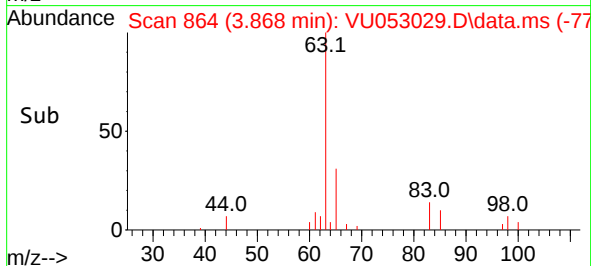
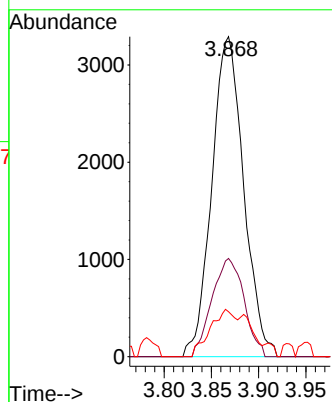
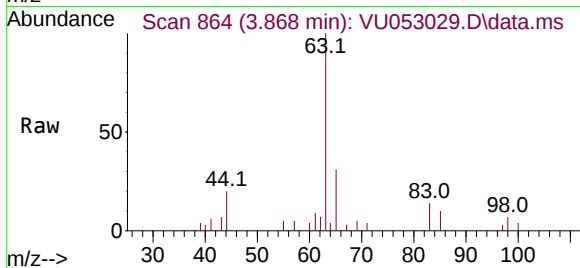
Tgt Ion: 63 Resp: 7714

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.3

83 14.0 9.8 18.2



#21

2-Butanone

Concen: 3.442 ug/L

RT: 4.746 min Scan# 1137

Delta R.T. 0.022 min

Lab File: VU053029.D

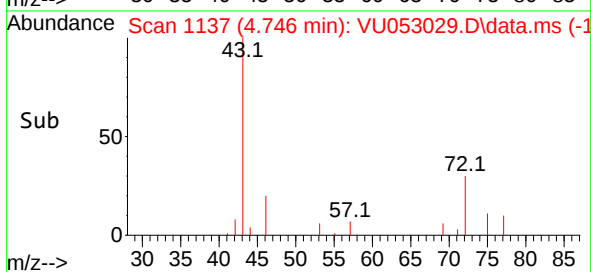
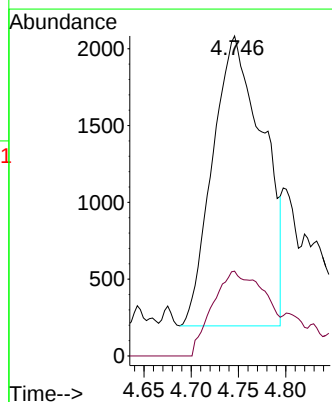
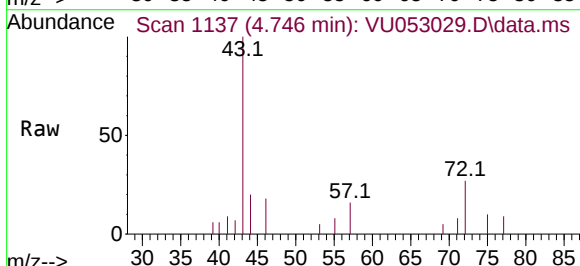
Acq: 10 Feb 2023 10:57

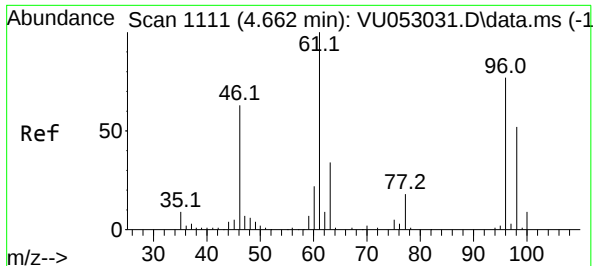
Tgt Ion: 43 Resp: 7005

Ion Ratio Lower Upper

43 100

72 31.0 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 0.537 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

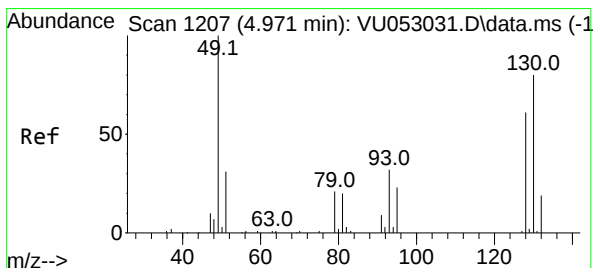
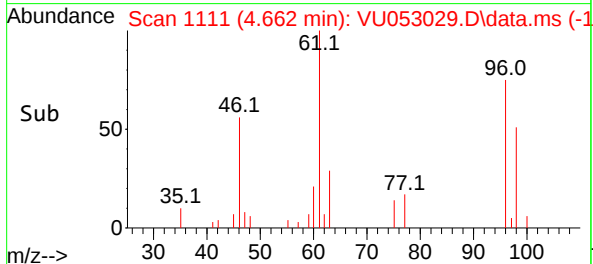
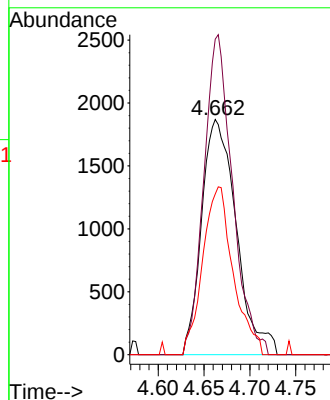
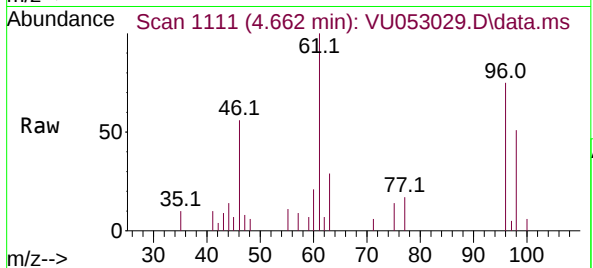
Tgt Ion: 96 Resp: 4916

Ion Ratio Lower Upper

96 100

61 134.2 90.9 168.9

98 68.3 47.0 87.4



#23

Bromochloromethane

Concen: 0.448 ug/L

RT: 4.974 min Scan# 1208

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Tgt Ion: 128 Resp: 1625

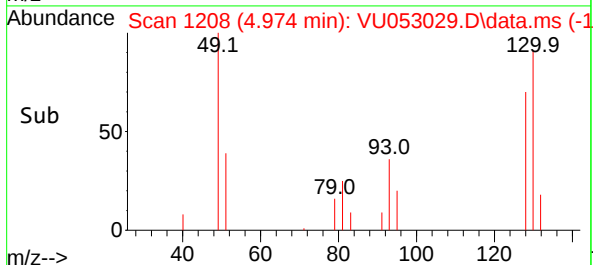
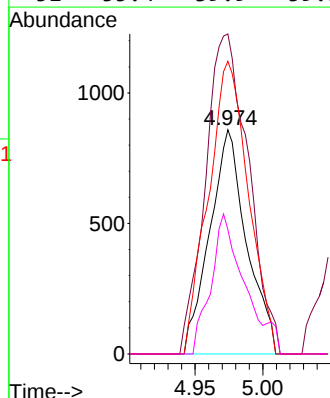
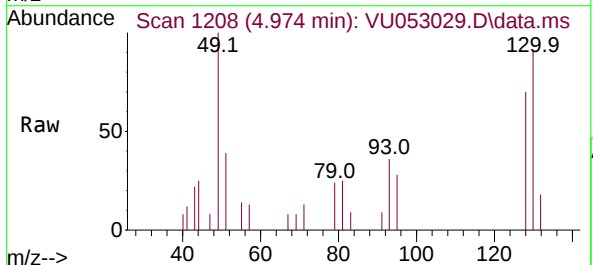
Ion Ratio Lower Upper

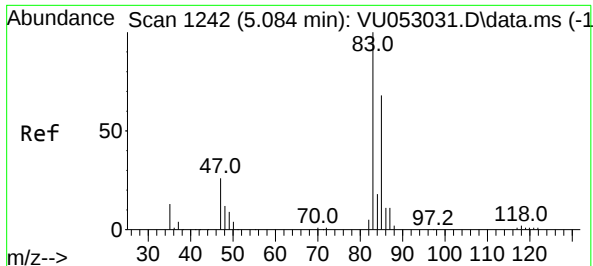
128 100

49 142.7 114.2 212.0

130 130.5 91.6 170.2

51 55.4 39.9 59.9





#25

Chloroform

Concen: 0.526 ug/L

RT: 5.087 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

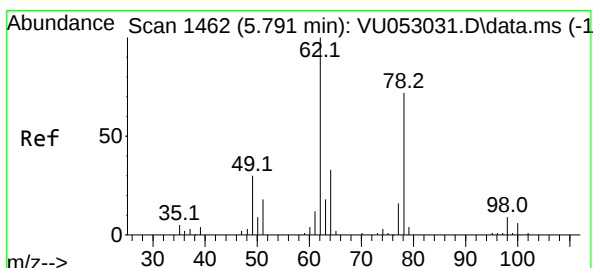
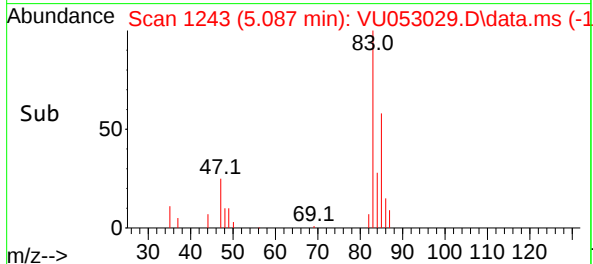
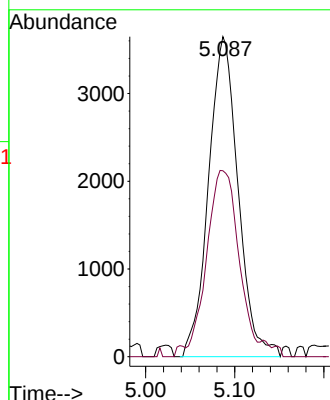
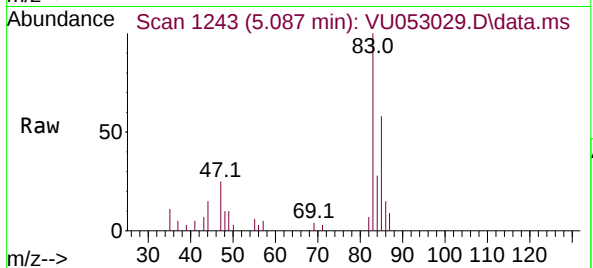
VSTD0.5007

Tgt Ion: 83 Resp: 8409

Ion Ratio Lower Upper

83 100

85 58.1 47.7 88.5



#27

1,2-Dichloroethane

Concen: 0.505 ug/L

RT: 5.800 min Scan# 1465

Delta R.T. 0.010 min

Lab File: VU053029.D

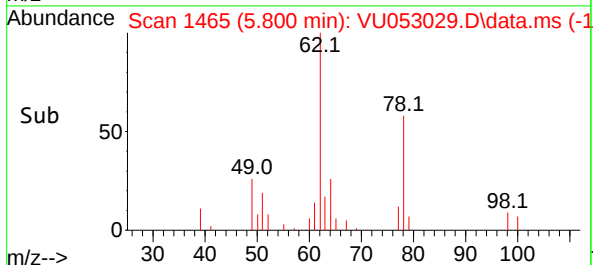
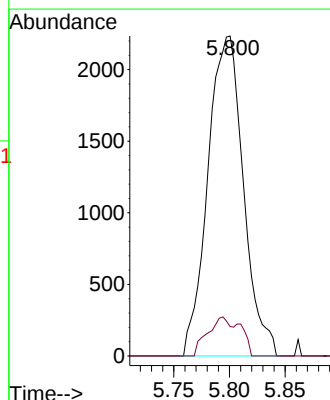
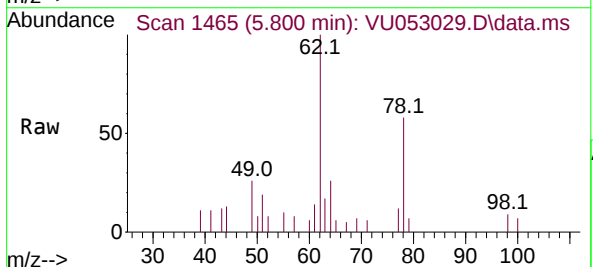
Acq: 10 Feb 2023 10:57

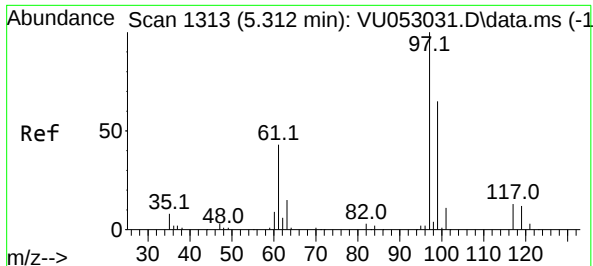
Tgt Ion: 62 Resp: 4964

Ion Ratio Lower Upper

62 100

98 9.2 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 0.520 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

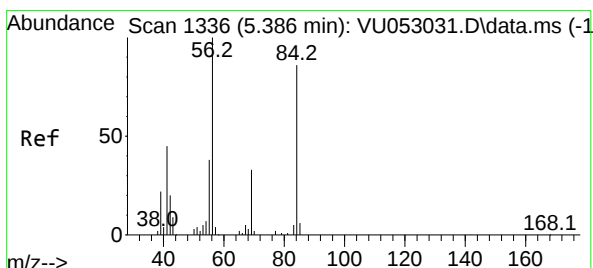
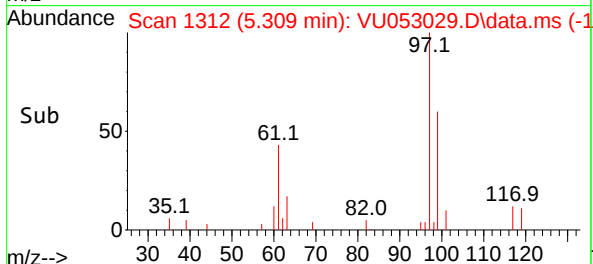
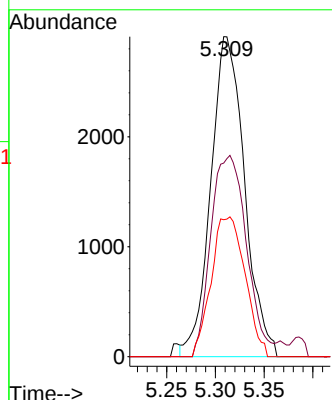
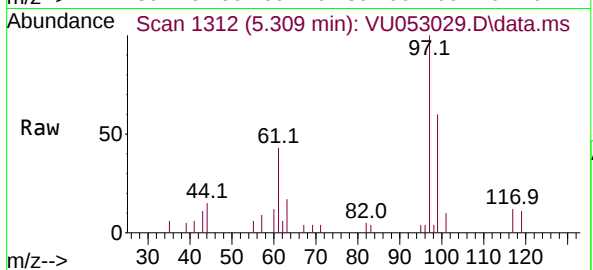
Tgt Ion: 97 Resp: 7012

Ion Ratio Lower Upper

97 100

99 66.6 51.0 76.6

61 43.9 34.2 51.4



#30

Cyclohexane

Concen: 0.517 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. -0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

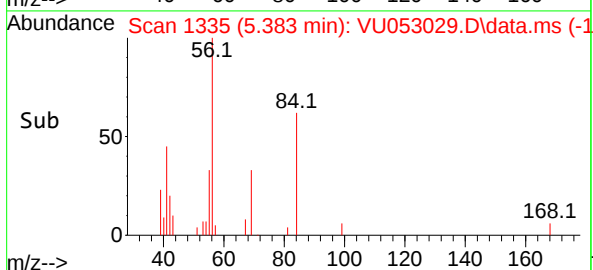
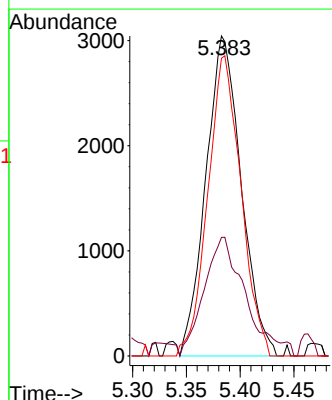
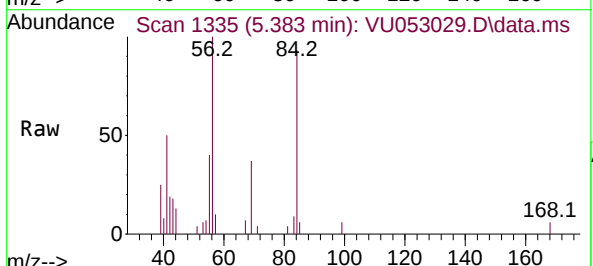
Tgt Ion: 56 Resp: 6972

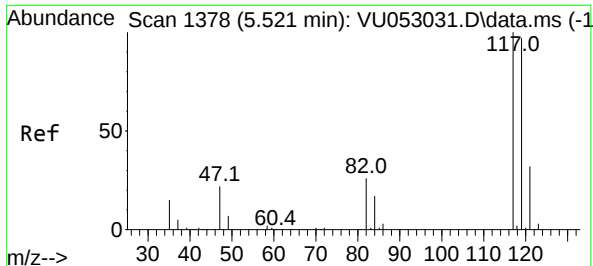
Ion Ratio Lower Upper

56 100

69 43.4 27.0 40.6#

84 87.9 70.8 106.2

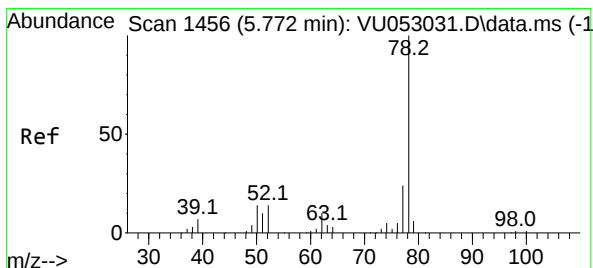
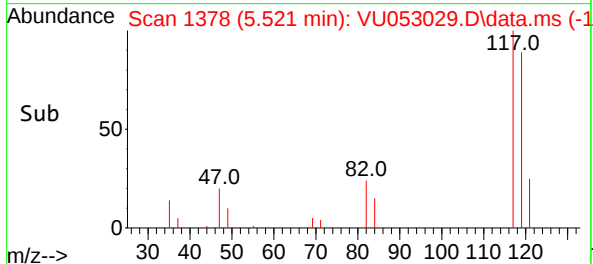
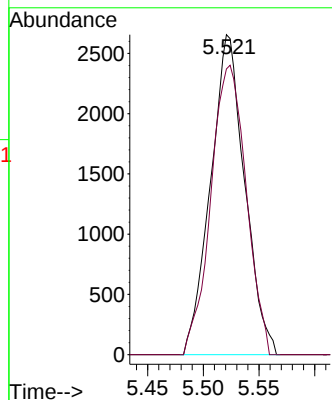
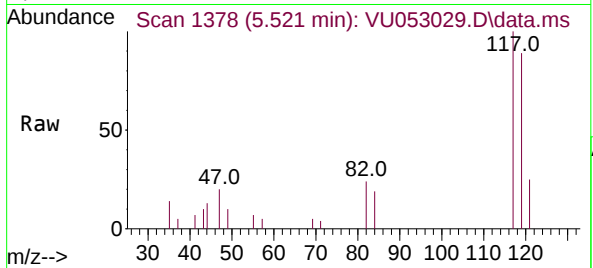




#31
Carbon tetrachloride
Concen: 0.502 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

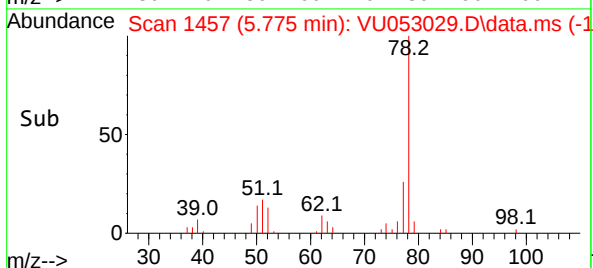
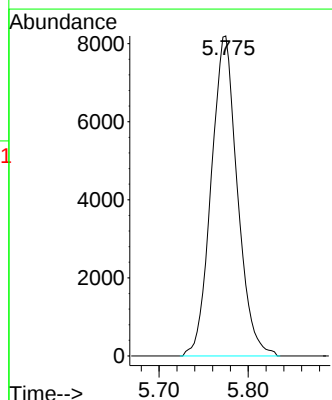
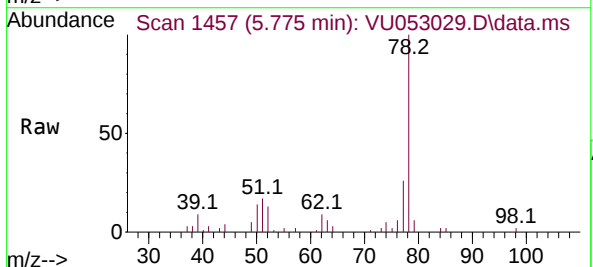
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

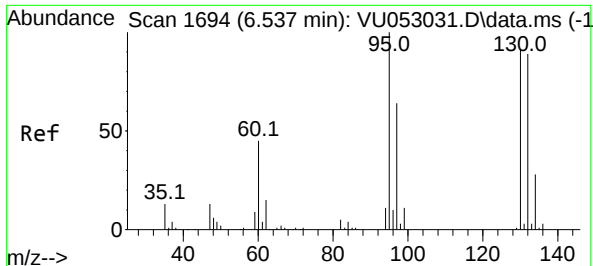
Tgt Ion:117 Resp: 5659
Ion Ratio Lower Upper
117 100
119 93.7 75.4 113.0



#33
Benzene
Concen: 0.515 ug/L
RT: 5.775 min Scan# 1457
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion: 78 Resp: 16752



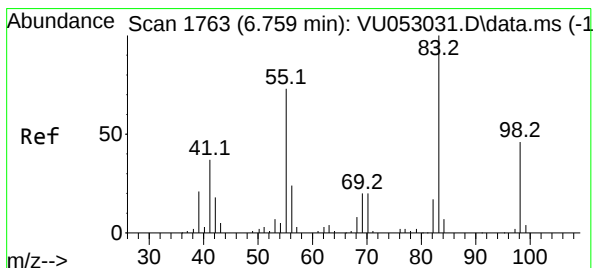
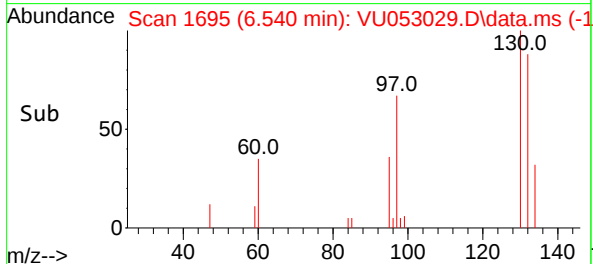
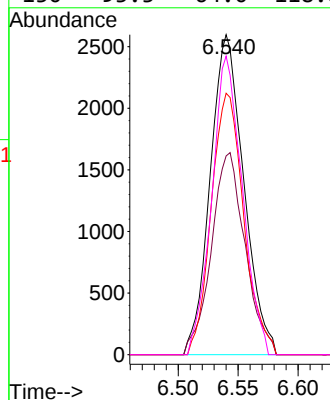
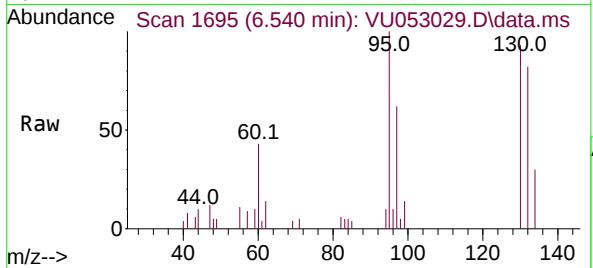


#34
Trichloroethene
Concen: 0.551 ug/L
RT: 6.540 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

Tgt Ion: 95 Resp: 5045

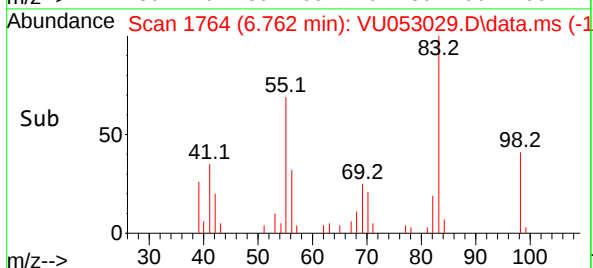
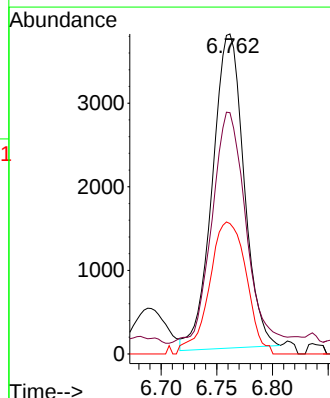
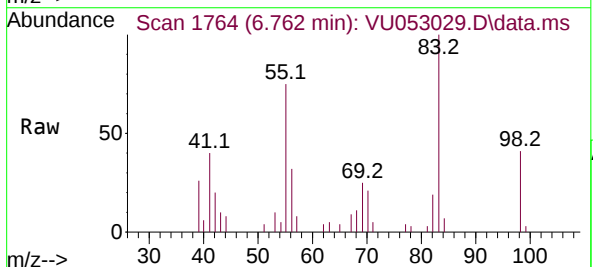
Ion	Ratio	Lower	Upper
95	100		
97	62.1	44.7	82.9
132	81.7	62.3	115.7
130	93.3	64.0	118.8

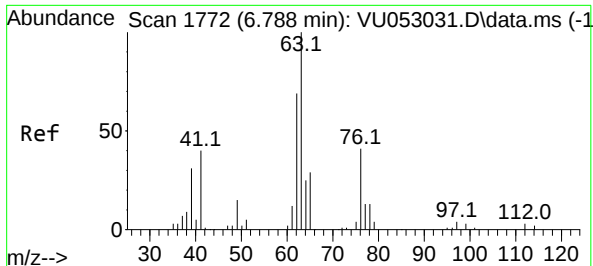


#35
Methylcyclohexane
Concen: 0.501 ug/L
RT: 6.762 min Scan# 1764
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion: 83 Resp: 7427

Ion	Ratio	Lower	Upper
83	100		
55	77.8	57.9	86.9
98	48.9	36.4	54.6





#37

1,2-Dichloropropane

Concen: 0.487 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

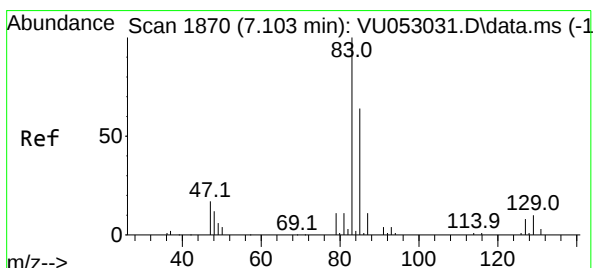
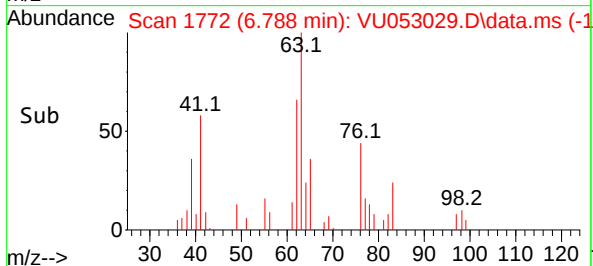
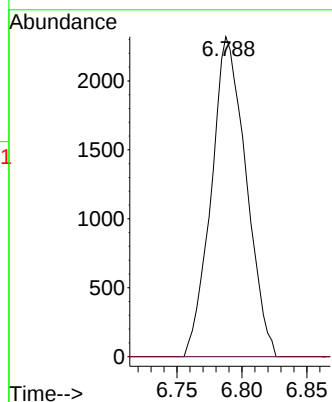
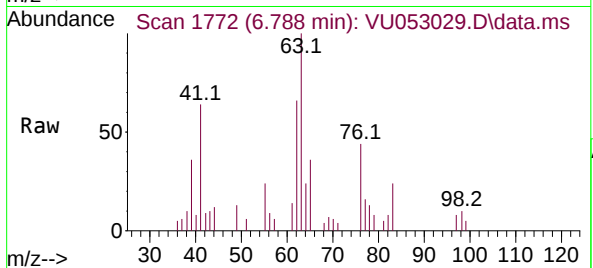
VSTD0.5007

Tgt Ion: 63 Resp: 4313

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#38

Bromodichloromethane

Concen: 0.516 ug/L

RT: 7.106 min Scan# 1871

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

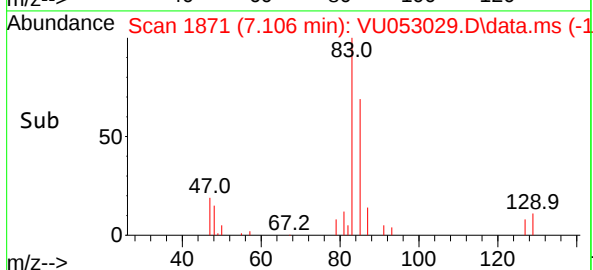
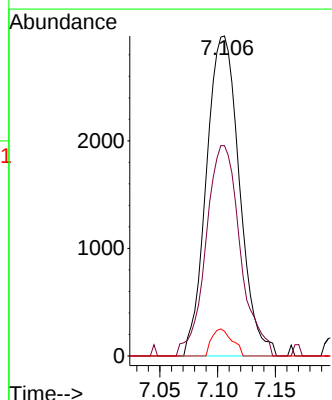
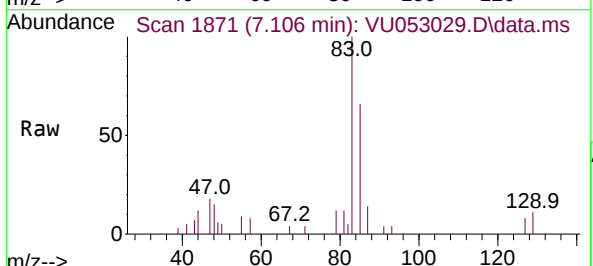
Tgt Ion: 83 Resp: 5926

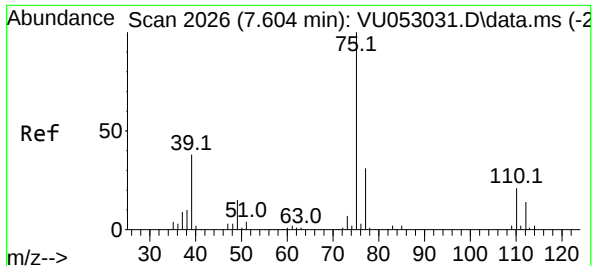
Ion Ratio Lower Upper

83 100

85 65.7 44.7 82.9

127 7.7 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 0.479 ug/L

RT: 7.607 min Scan# 2026

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

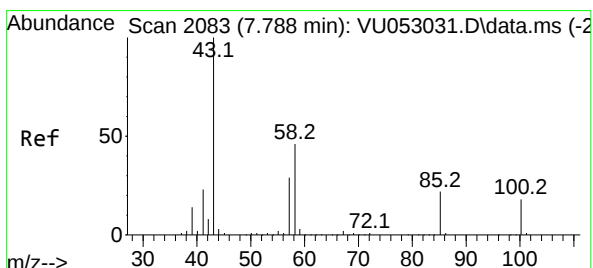
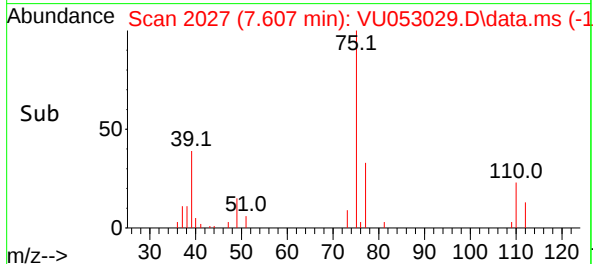
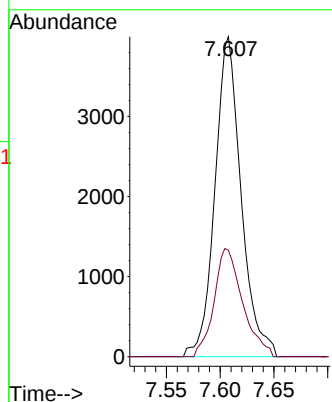
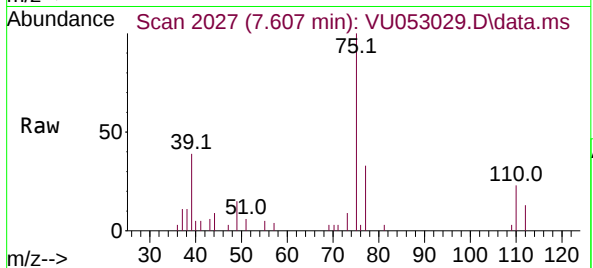
VSTD0.5007

Tgt Ion: 75 Resp: 6765

Ion Ratio Lower Upper

75 100

77 33.2 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 4.941 ug/L

RT: 7.794 min Scan# 2085

Delta R.T. 0.006 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

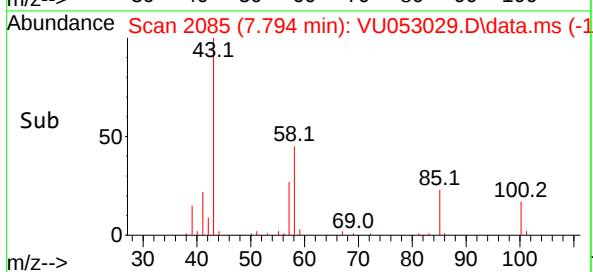
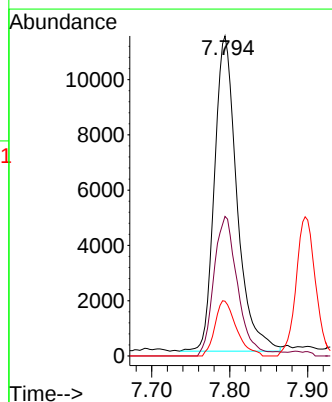
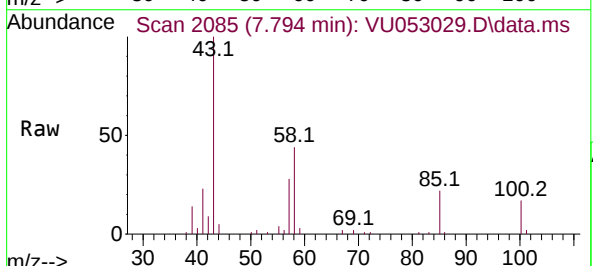
Tgt Ion: 43 Resp: 22862

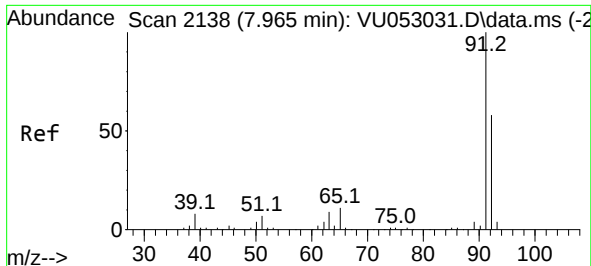
Ion Ratio Lower Upper

43 100

58 46.5 35.9 53.9

100 16.7 13.8 20.6





#42

Toluene

Concen: 0.515 ug/L

RT: 7.968 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

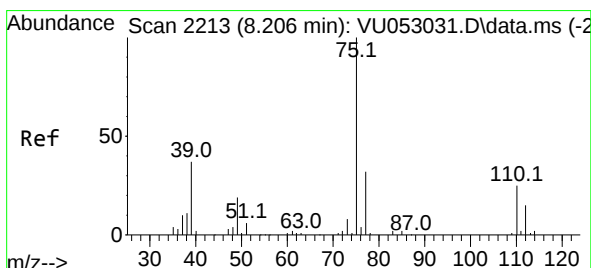
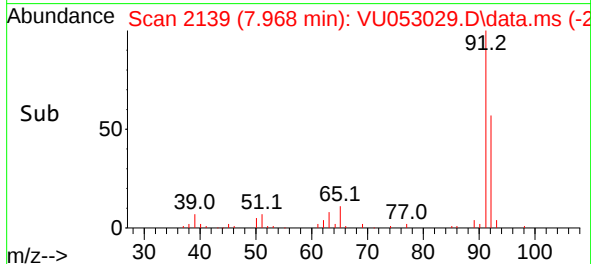
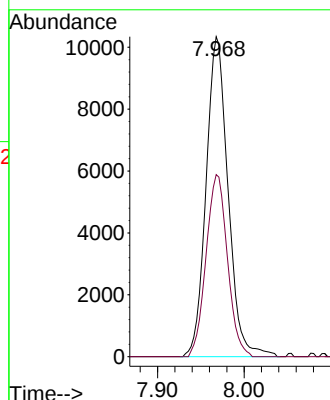
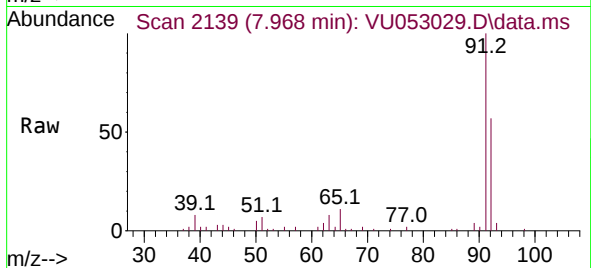
VSTD0.5007

Tgt Ion: 91 Resp: 18227

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 8.209 min Scan# 2214

Delta R.T. 0.003 min

Lab File: VU053029.D

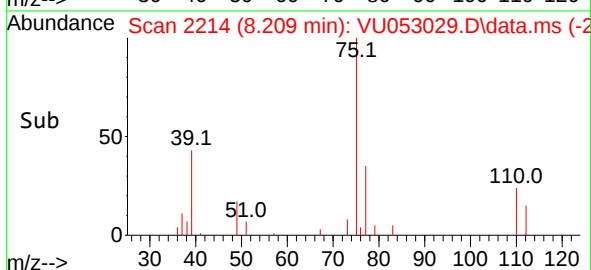
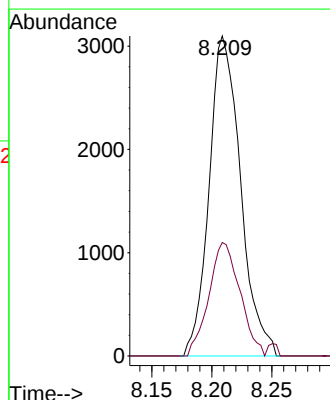
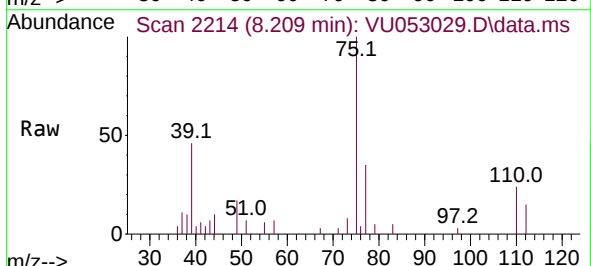
Acq: 10 Feb 2023 10:57

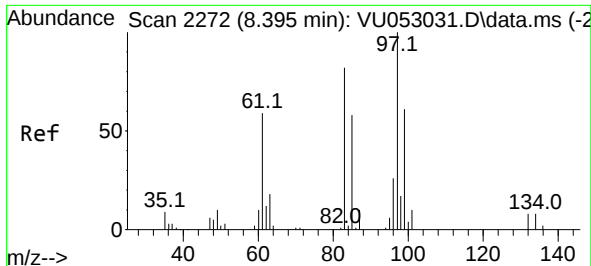
Tgt Ion: 75 Resp: 5644

Ion Ratio Lower Upper

75 100

77 35.4 22.3 41.3



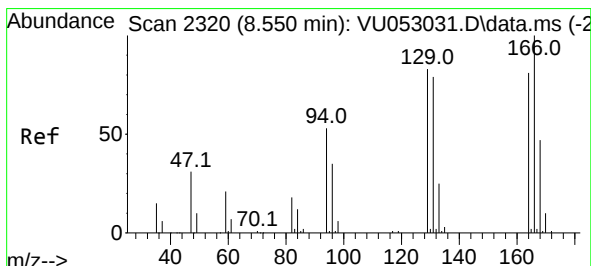
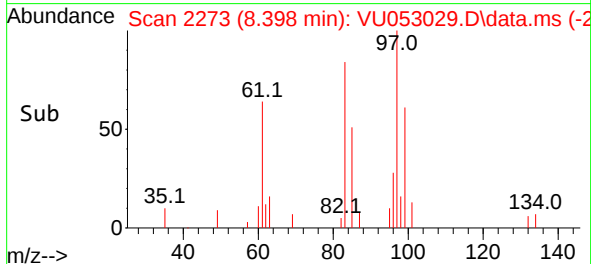
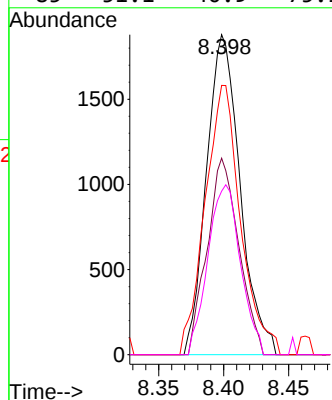
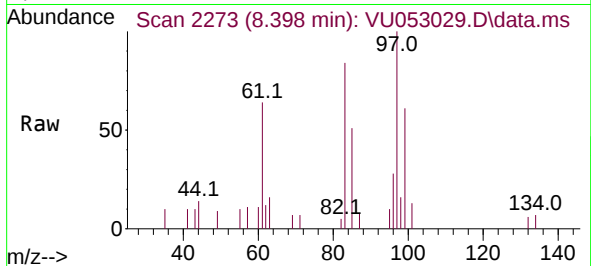


#45
1,1,2-Trichloroethane
Concen: 0.530 ug/L
RT: 8.398 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

Tgt Ion: 97 Resp: 3384

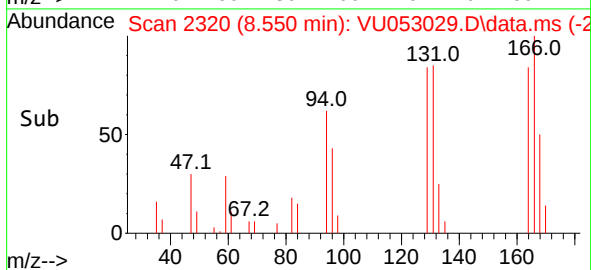
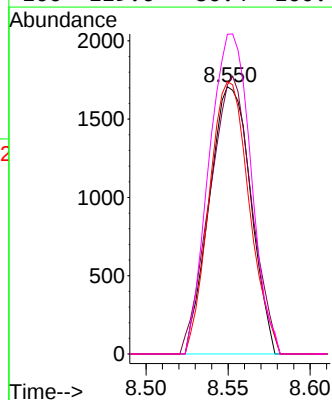
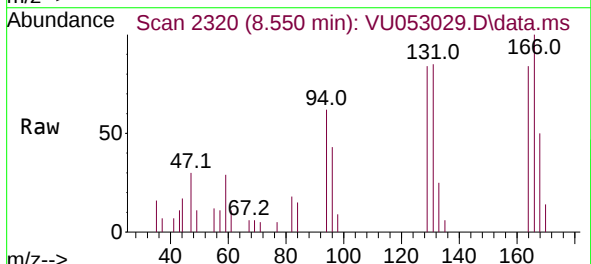
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.0	79.8
83	84.1	58.0	107.8
85	51.1	40.9	75.9

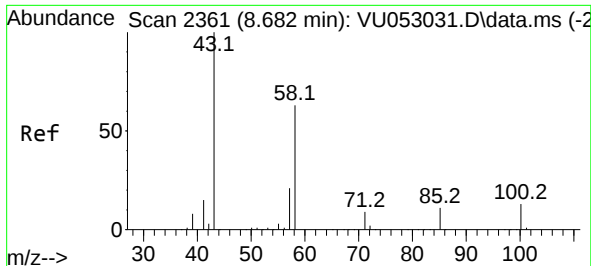


#47
Tetrachloroethene
Concen: 0.501 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion: 164 Resp: 2985

Ion	Ratio	Lower	Upper
164	100		
129	100.8	71.7	133.1
131	101.9	67.8	126.0
166	119.6	86.4	160.4

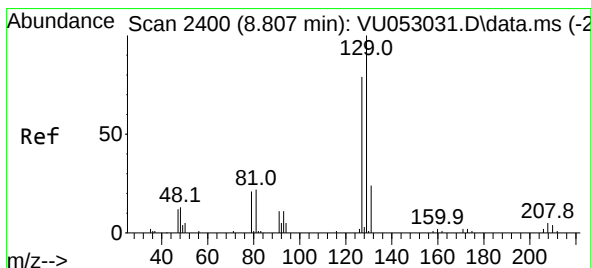
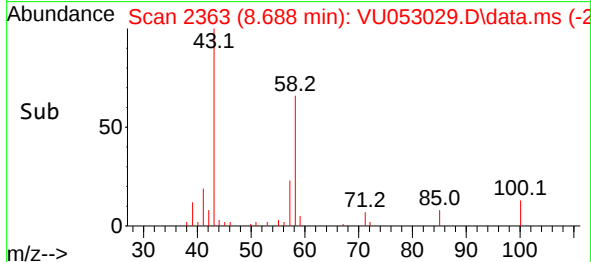
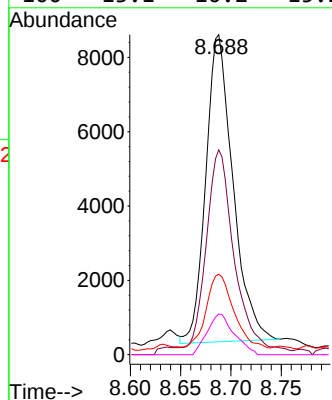
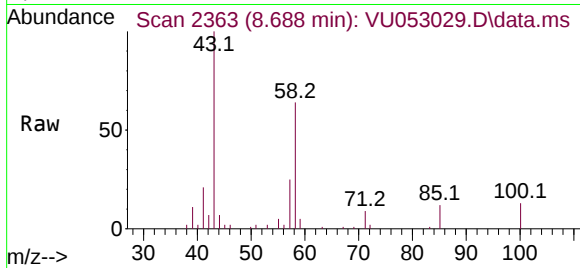




#48
2-Hexanone
Concen: 4.574 ug/L
RT: 8.688 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

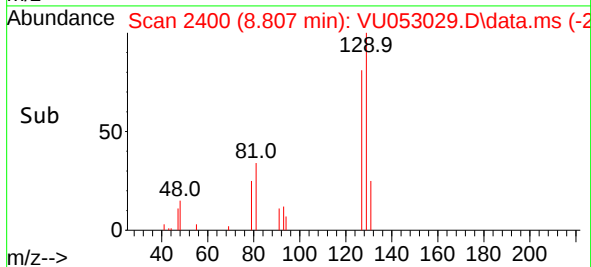
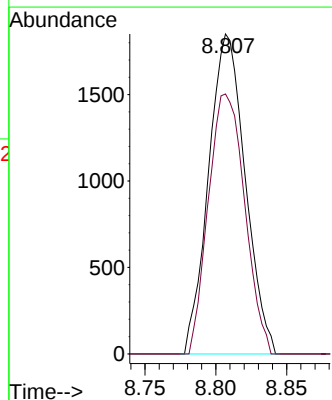
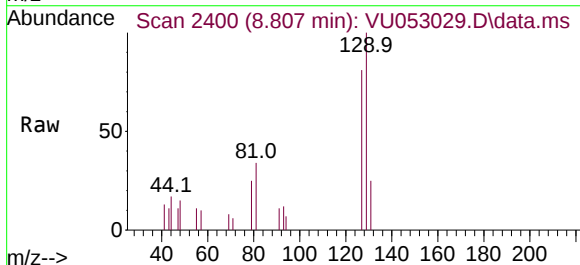
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

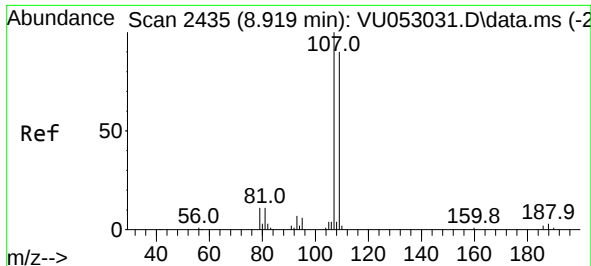
Tgt Ion:	43	Resp:	15532
Ion	Ratio	Lower	Upper
43	100		
58	67.8	50.3	75.5
57	25.1	17.4	26.0
100	13.1	10.2	15.2



#49
Dibromochloromethane
Concen: 0.478 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

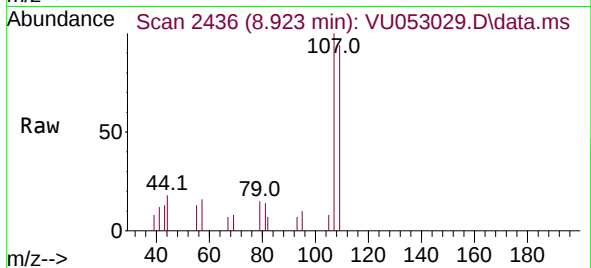
Tgt Ion:	129	Resp:	3329
Ion	Ratio	Lower	Upper
129	100		
127	81.3	54.9	102.1



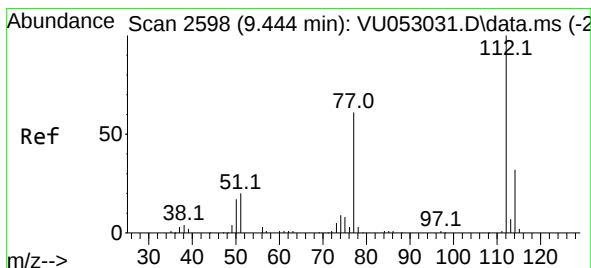
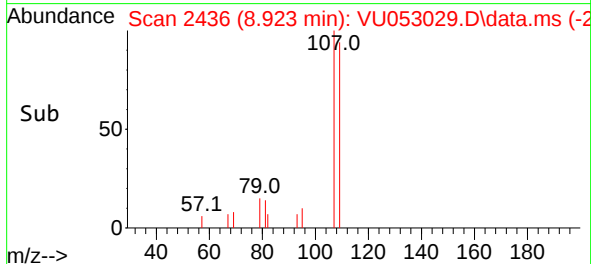
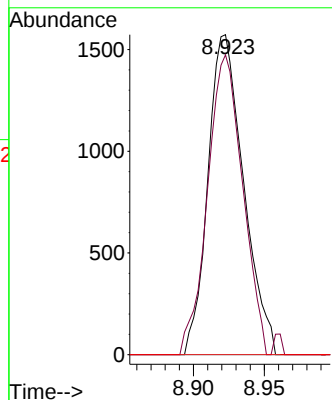


#50
1,2-Dibromoethane
Concen: 0.467 ug/L
RT: 8.923 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

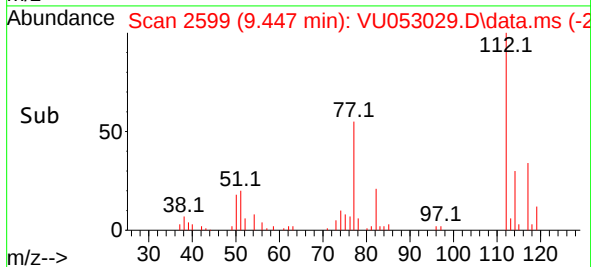
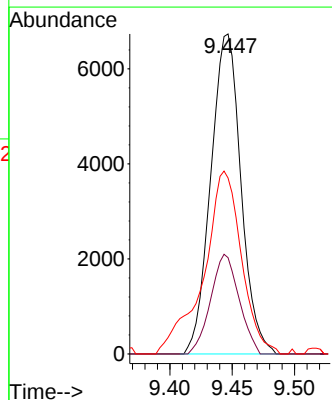
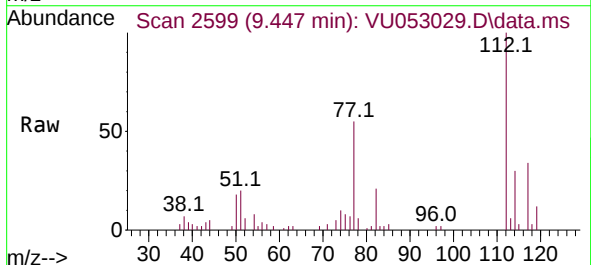


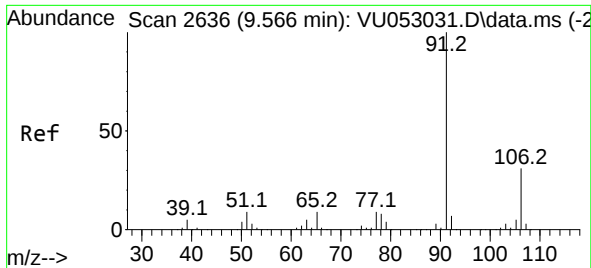
Tgt Ion:107 Resp: 2753
Ion Ratio Lower Upper
107 100
109 93.7 63.1 117.1
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 0.516 ug/L
RT: 9.447 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion:112 Resp: 11373
Ion Ratio Lower Upper
112 100
114 30.1 22.3 41.3
77 55.0 48.9 73.3

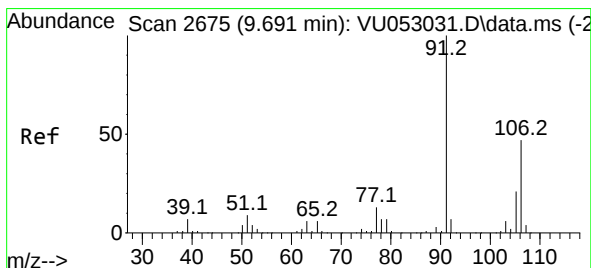
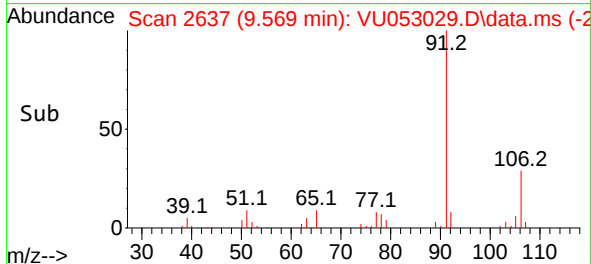
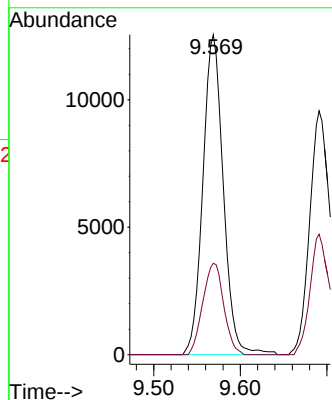
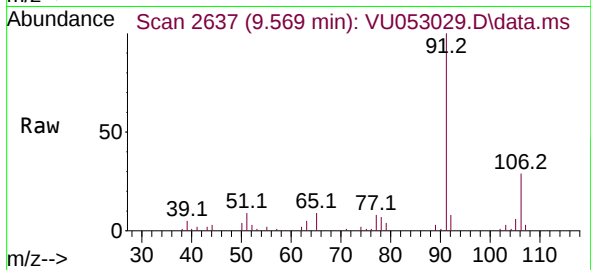




#52
Ethylbenzene
Concen: 0.512 ug/L
RT: 9.569 min Scan# 2636
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

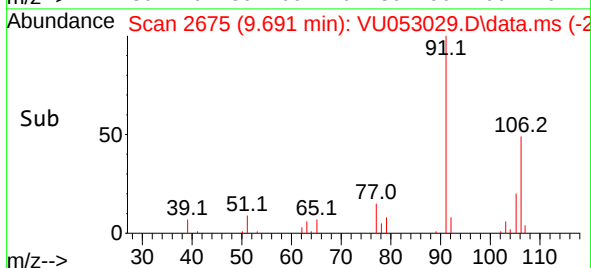
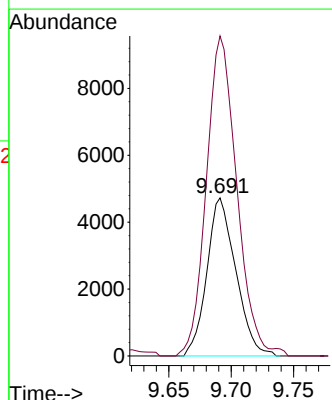
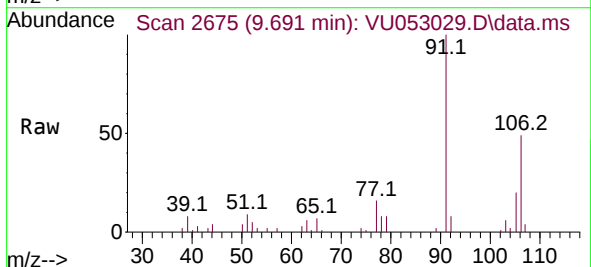
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

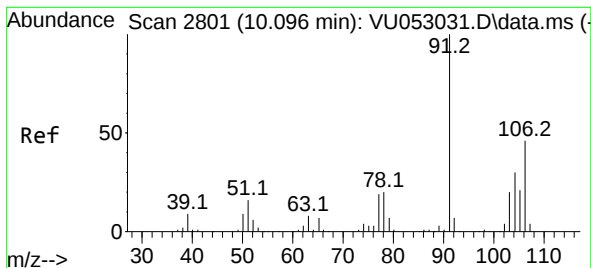
Tgt Ion: 91 Resp: 20538
Ion Ratio Lower Upper
91 100
106 28.6 21.4 39.8



#53
m,p-Xylene
Concen: 0.510 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion:106 Resp: 7651
Ion Ratio Lower Upper
106 100
91 202.3 149.9 278.3





#54

o-Xylene

Concen: 0.474 ug/L

RT: 10.099 min Scan# 2801

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

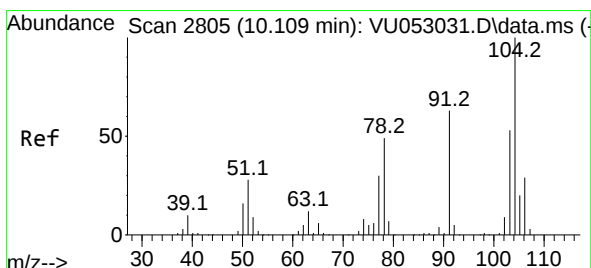
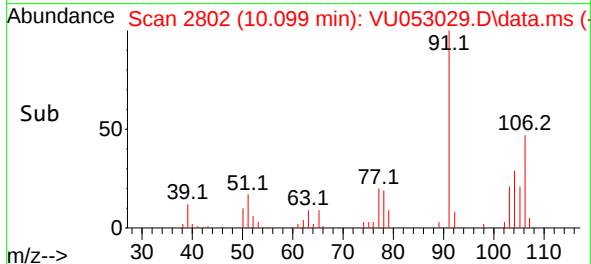
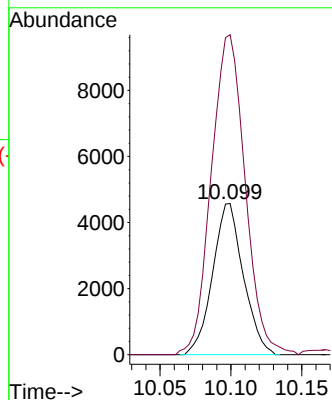
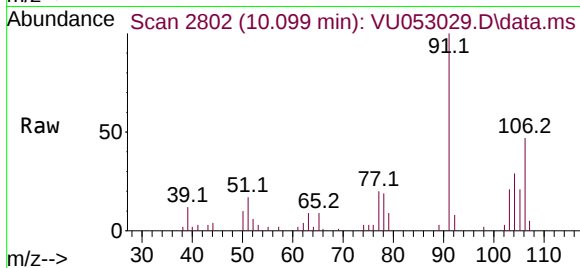
VSTD0.5007

Tgt Ion:106 Resp: 6900

Ion Ratio Lower Upper

106 100

91 211.6 153.6 285.2



#55

Styrene

Concen: 0.467 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053029.D

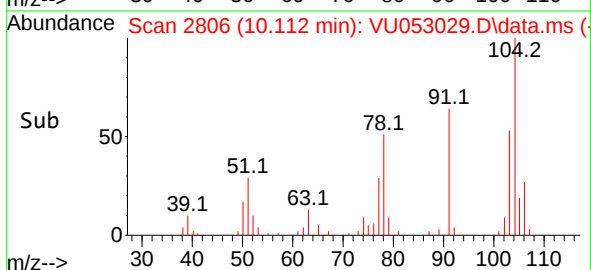
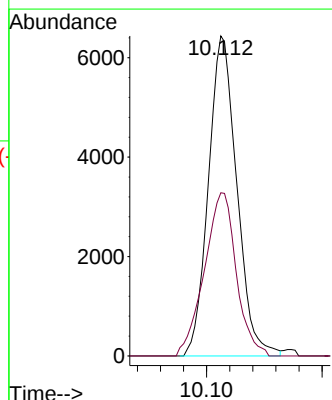
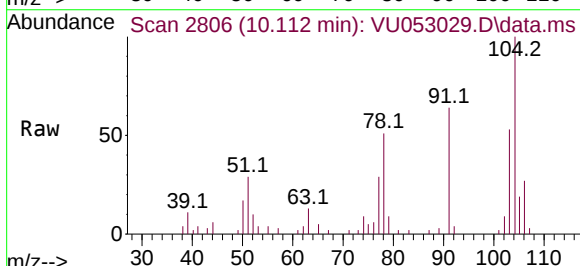
Acq: 10 Feb 2023 10:57

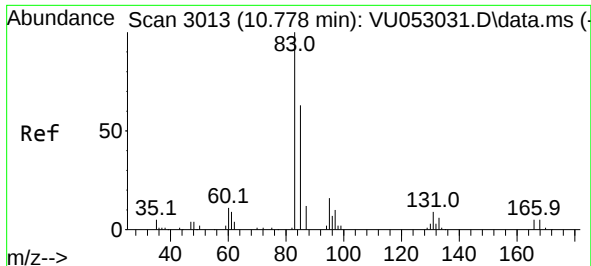
Tgt Ion:104 Resp: 11007

Ion Ratio Lower Upper

104 100

78 51.0 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.510 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

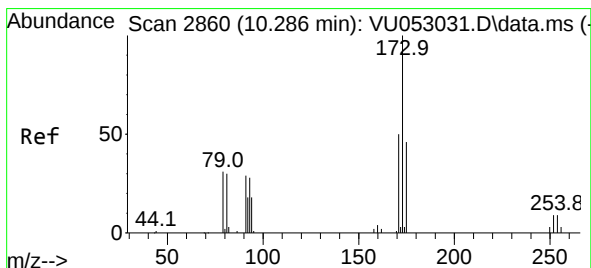
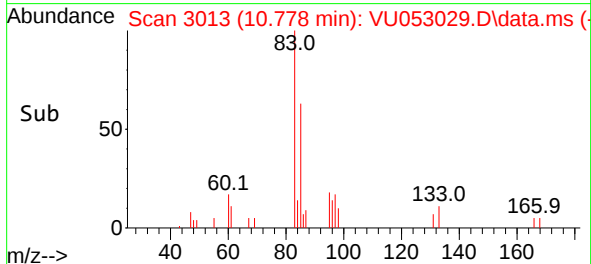
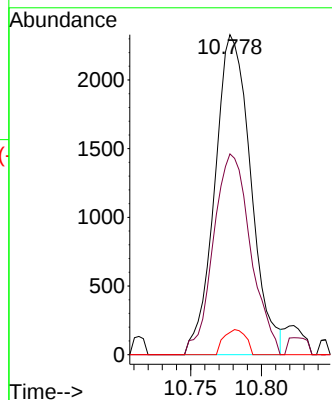
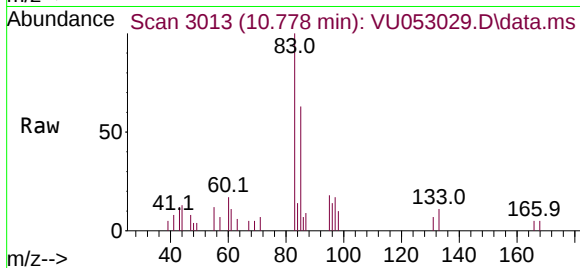
Tgt Ion: 83 Resp: 4123

Ion Ratio Lower Upper

83 100

85 62.7 44.7 82.9

131 7.0 7.8 11.6#



#59

Bromoform

Concen: 0.476 ug/L

RT: 10.292 min Scan# 2862

Delta R.T. 0.006 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

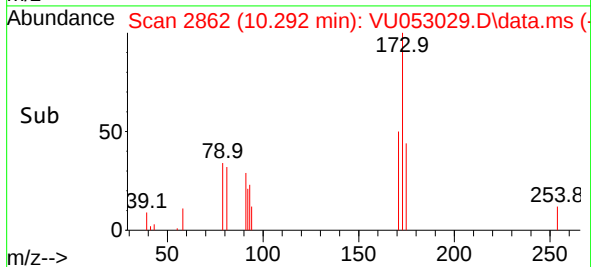
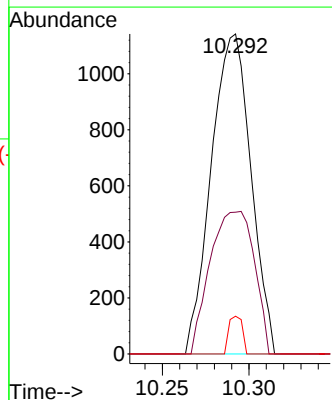
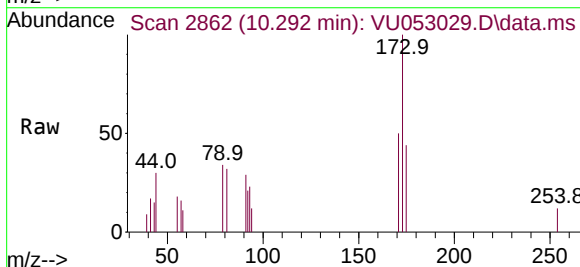
Tgt Ion:173 Resp: 1820

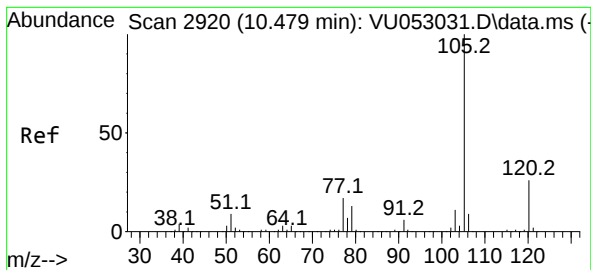
Ion Ratio Lower Upper

173 100

175 49.7 38.9 58.3

254 4.1 7.0 10.4#





#60

Isopropylbenzene

Concen: 0.517 ug/L

RT: 10.482 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

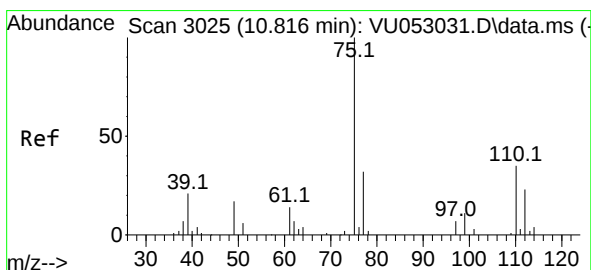
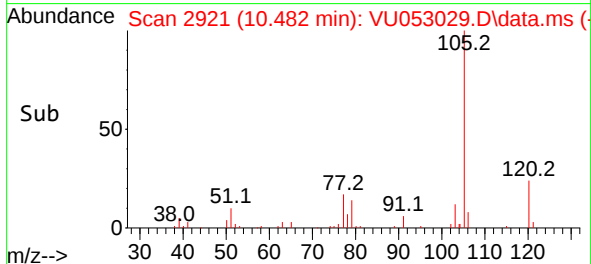
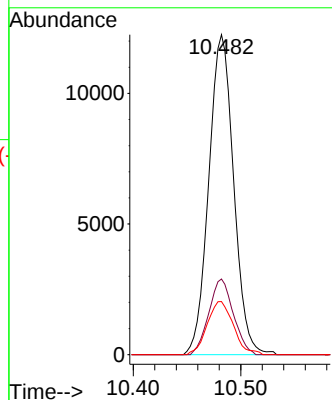
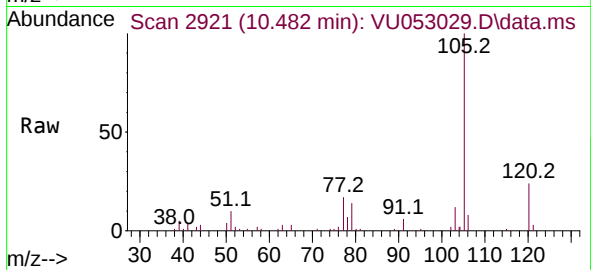
Tgt Ion:105 Resp: 19674

Ion Ratio Lower Upper

105 100

120 23.3 20.6 31.0

77 17.5 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 0.488 ug/L

RT: 10.823 min Scan# 3027

Delta R.T. 0.006 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

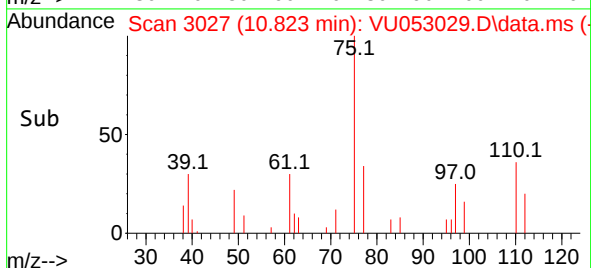
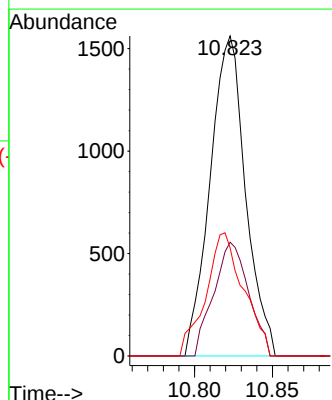
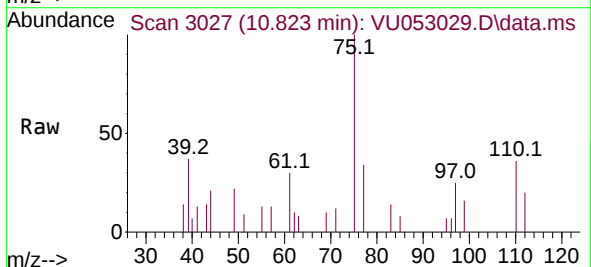
Tgt Ion: 75 Resp: 2467

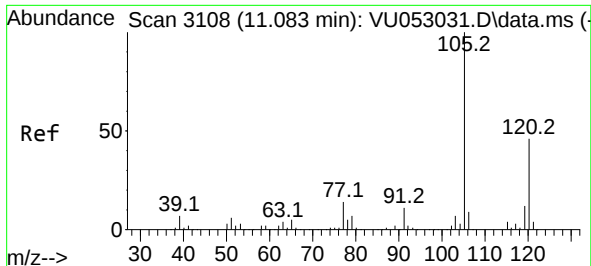
Ion Ratio Lower Upper

75 100

110 35.1 28.6 42.8

77 41.1 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 0.500 ug/L

RT: 11.086 min Scan# 3108

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

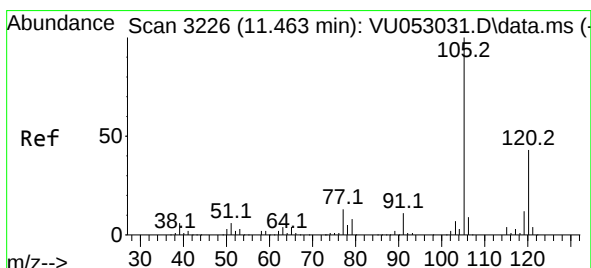
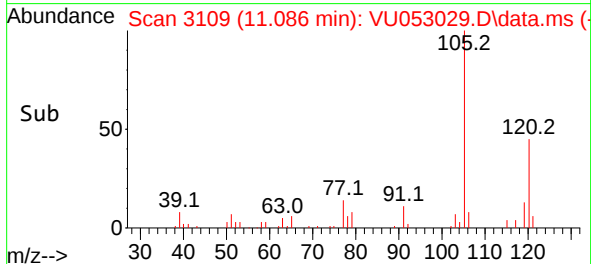
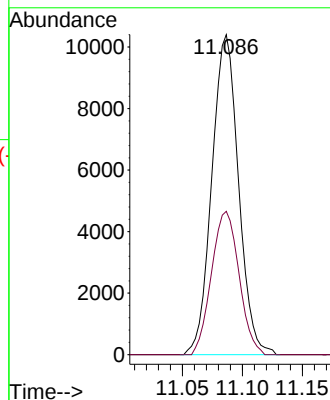
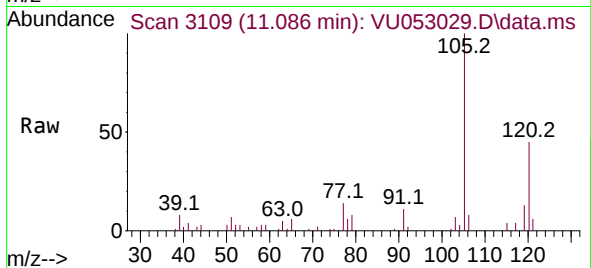
VSTD0.5007

Tgt Ion:105 Resp: 16082

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 0.508 ug/L

RT: 11.466 min Scan# 3227

Delta R.T. 0.003 min

Lab File: VU053029.D

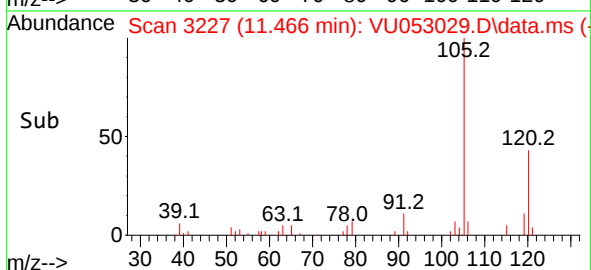
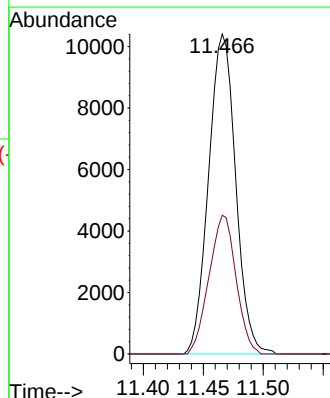
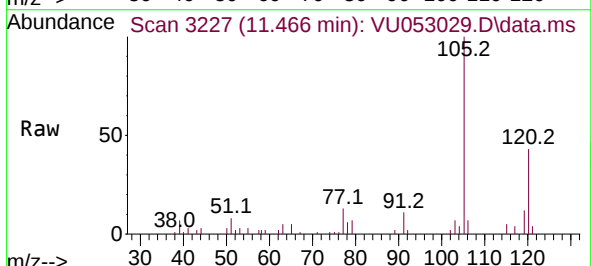
Acq: 10 Feb 2023 10:57

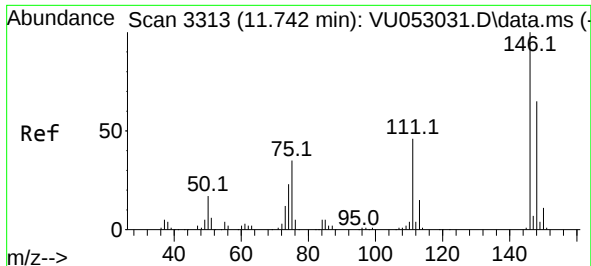
Tgt Ion:105 Resp: 16351

Ion Ratio Lower Upper

105 100

120 43.1 34.7 52.1

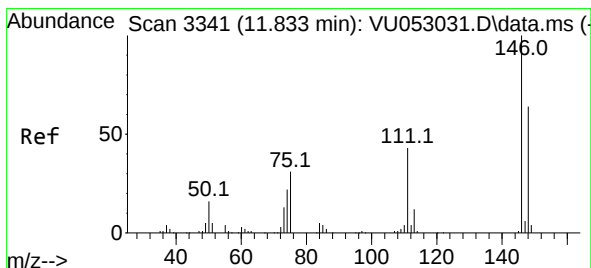
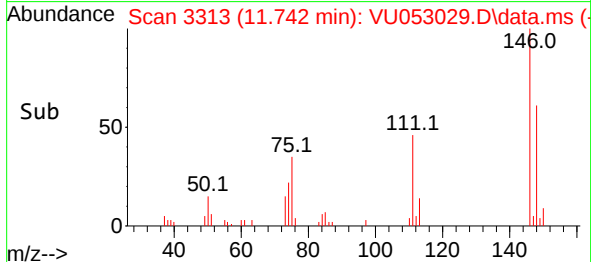
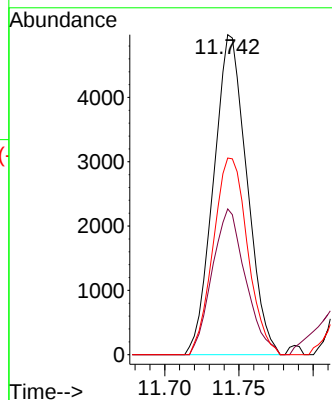
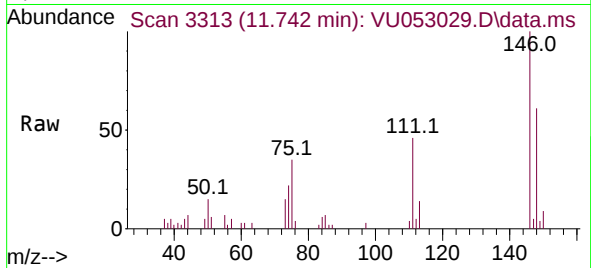




#64
1,3-Dichlorobenzene
Concen: 0.503 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

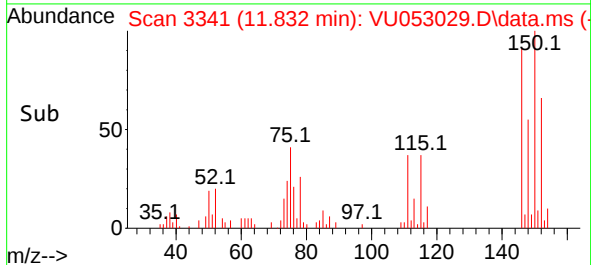
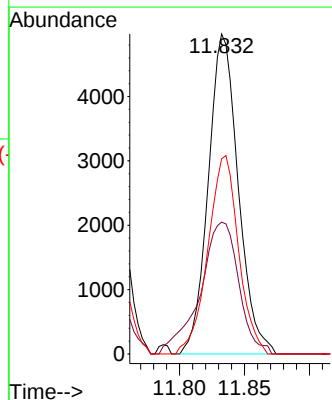
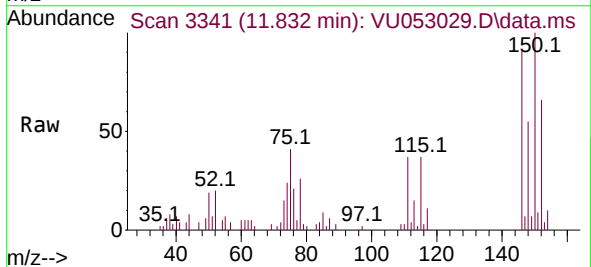
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

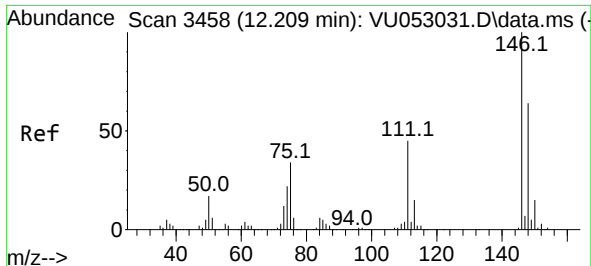
Tgt Ion:146 Resp: 7759
Ion Ratio Lower Upper
146 100
111 45.6 32.0 59.4
148 61.5 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 0.516 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion:146 Resp: 7965
Ion Ratio Lower Upper
146 100
111 41.2 30.3 56.3
148 61.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 0.505 ug/L

RT: 12.212 min Scan# 3458

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5007

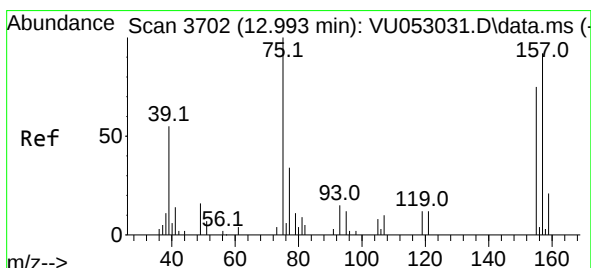
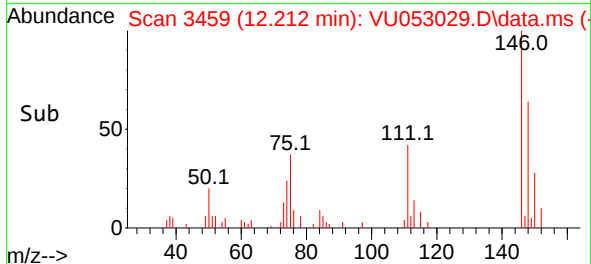
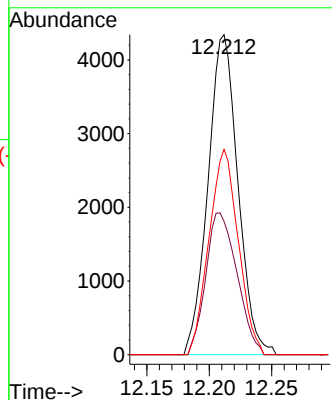
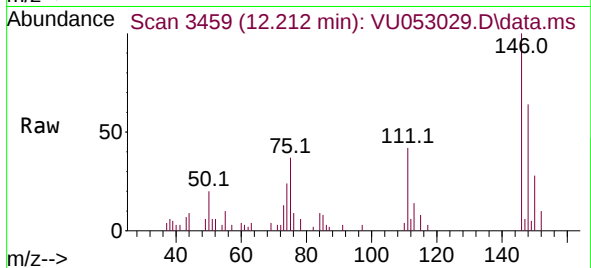
Tgt Ion:146 Resp: 7262

Ion Ratio Lower Upper

146 100

111 41.7 36.3 54.5

148 64.2 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 0.401 ug/L

RT: 12.996 min Scan# 3703

Delta R.T. 0.003 min

Lab File: VU053029.D

Acq: 10 Feb 2023 10:57

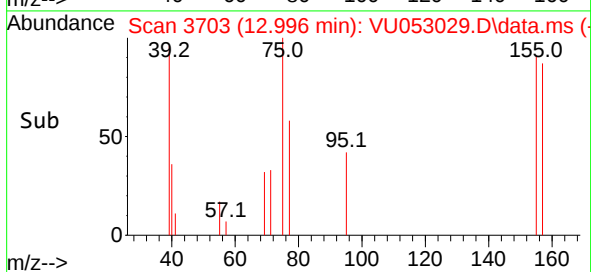
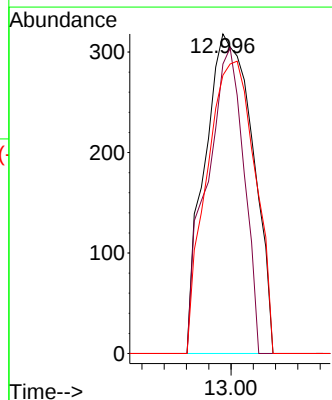
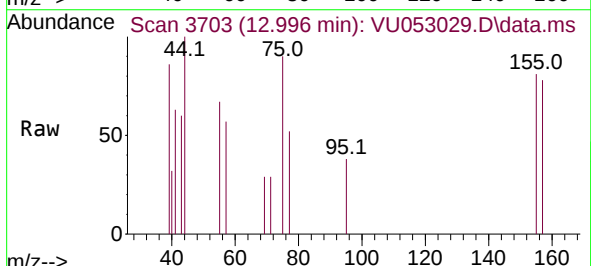
Tgt Ion: 75 Resp: 476

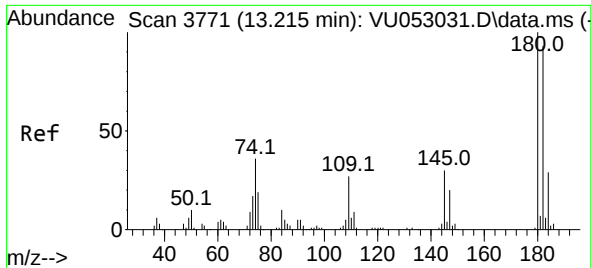
Ion Ratio Lower Upper

75 100

155 90.6 59.8 89.8#

157 87.1 73.2 109.8

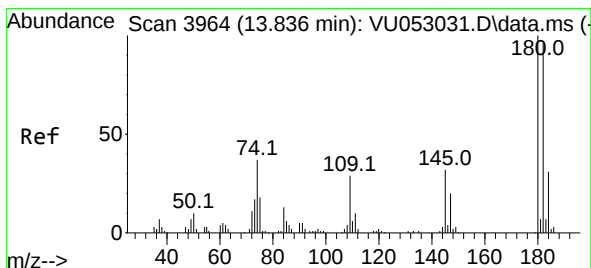
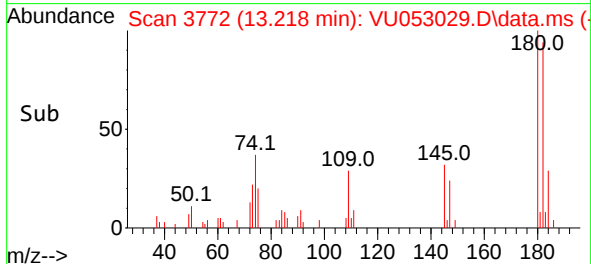
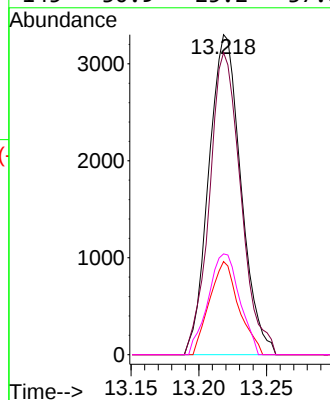
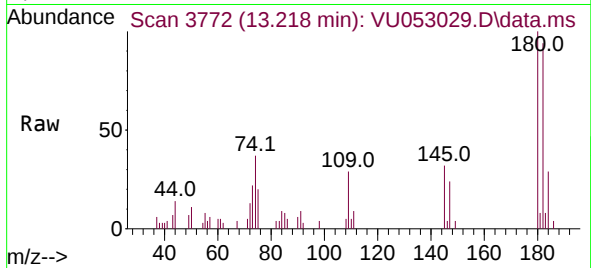




#69
 1,3,5-Trichlorobenzene
 Concen: 0.496 ug/L
 RT: 13.218 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

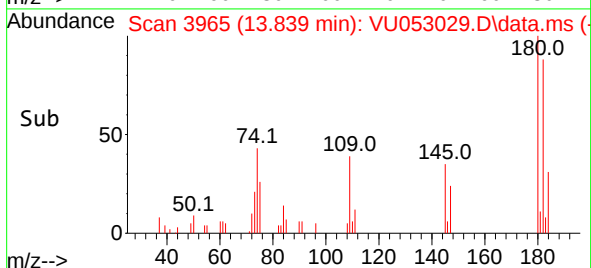
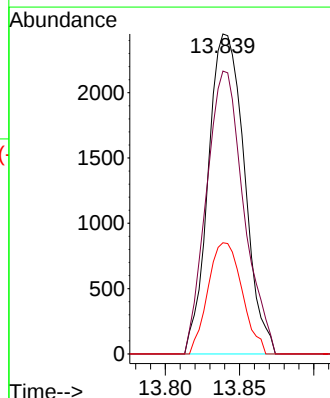
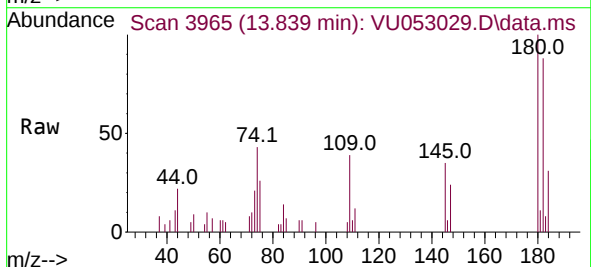
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5007

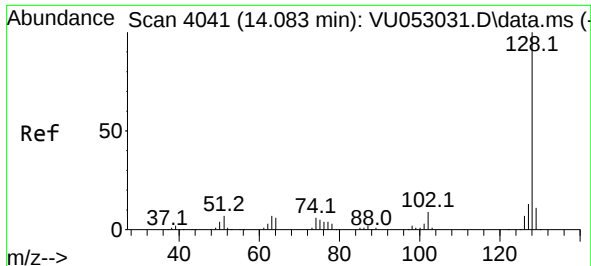
Tgt Ion:	180	Resp:	5450
Ion	Ratio	Lower	Upper
180	100		
182	91.7	75.4	113.0
184	26.6	23.8	35.6
145	30.9	25.2	37.8



#70
 1,2,4-trichlorobenzene
 Concen: 0.454 ug/L
 RT: 13.839 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU053029.D
 Acq: 10 Feb 2023 10:57

Tgt Ion:	180	Resp:	4137
Ion	Ratio	Lower	Upper
180	100		
182	91.3	74.9	112.3
145	32.8	25.1	37.7

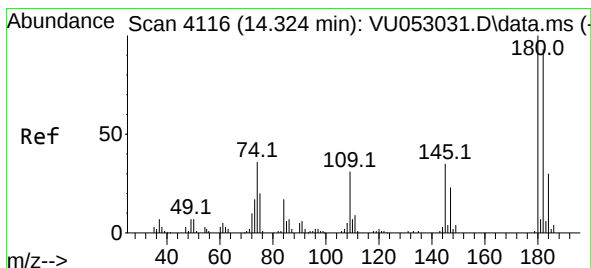
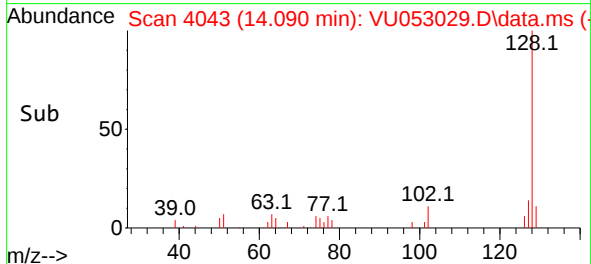
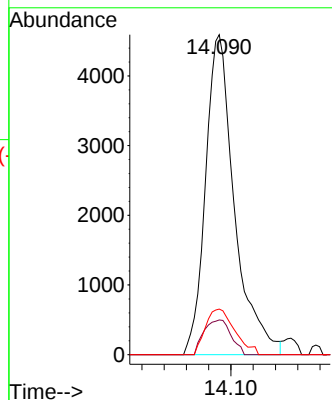
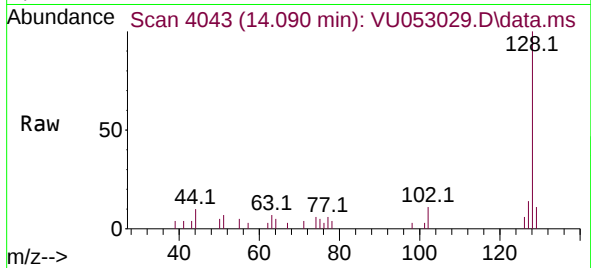




#71
Naphthalene
Concen: 0.453 ug/L
RT: 14.090 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5007

Tgt Ion:128 Resp: 8286
Ion Ratio Lower Upper
128 100
129 10.1 8.8 13.2
127 14.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.448 ug/L
RT: 14.327 min Scan# 4117
Delta R.T. 0.003 min
Lab File: VU053029.D
Acq: 10 Feb 2023 10:57

Tgt Ion:180 Resp: 3607
Ion Ratio Lower Upper
180 100
182 97.4 76.2 114.4
145 33.3 28.2 42.2

