

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011723\
 Data File : VU052732.D
 Acq On : 17 Jan 2023 20:00
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 01:20:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	135721	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	127222	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	69503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46869	3.931	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.912	69	41720	4.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.565	65	23822	4.537	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.642	46	138011	43.289	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.580%
24) Chloroform-d	5.060	84	109490	4.923	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.697	65	55260	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.723	84	209061	5.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.684	67	64927	4.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.893	98	192187	5.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
43) trans-1,3-Dichloroprop...	8.176	79	23963	4.689	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.632	63	105440	49.672	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52150	4.957	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	64794	5.121	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	62932	4.316	ug/L	99
3) Chloromethane	1.520	50	58793	3.320	ug/L	98
5) Vinyl chloride	1.604	62	63112	3.725	ug/L	96
6) Bromomethane	1.858	94	23505	2.673	ug/L	95
8) Chloroethane	1.935	64	41928	4.071	ug/L	98
9) Trichlorofluoromethane	2.138	101	97499	4.882	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	53700	4.570	ug/L	96
12) 1,1-Dichloroethene	2.578	96	55304	4.700	ug/L	93
13) Acetone	2.658	43	102679	44.907	ug/L	63
14) Carbon disulfide	2.790	76	178910	4.400	ug/L	97
15) Methyl Acetate	2.957	43	22959	4.188	ug/L #	90
16) Methylene chloride	3.041	84	67117	4.286	ug/L	88
17) Methyl tert-butyl Ether	3.359	73	133721	5.135	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	58536	4.878	ug/L	95
19) 1,1-Dichloroethane	3.864	63	113044	4.536	ug/L	97
21) 2-Butanone	4.723	43	167139	45.409	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	64055	4.970	ug/L	96
23) Bromochloromethane	4.970	128	28906	5.298	ug/L #	85
25) Chloroform	5.083	83	115714	4.723	ug/L	99

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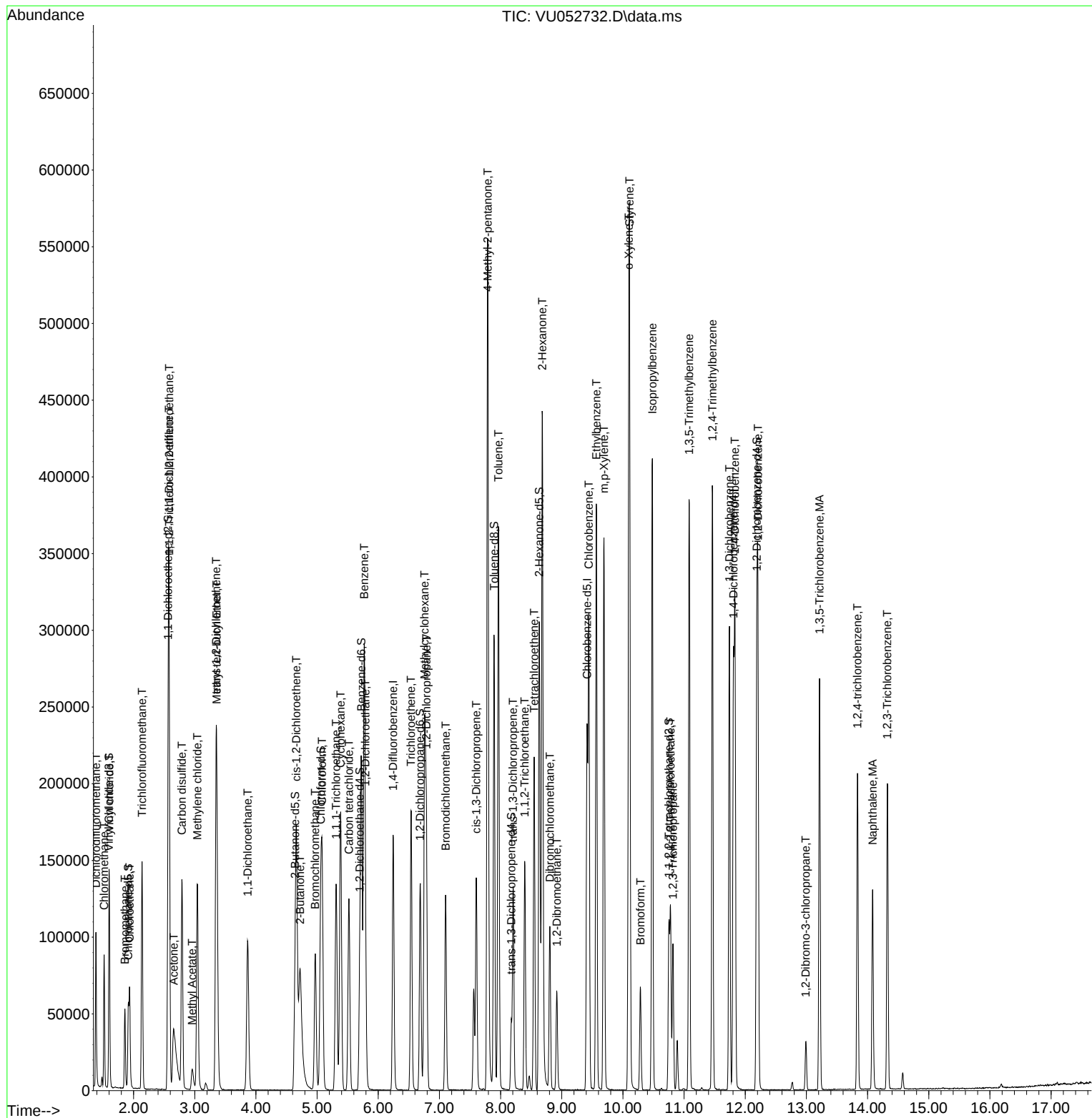
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	75177	5.064	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	100437	5.032	ug/L	96
30) Cyclohexane	5.385	56	85915	4.278	ug/L	94
31) Carbon tetrachloride	5.520	117	86548	5.534	ug/L	100
33) Benzene	5.771	78	256509	5.094	ug/L	100
34) Trichloroethene	6.536	95	62007	5.206	ug/L	97
35) Methylcyclohexane	6.758	83	87670	4.457	ug/L	95
37) 1,2-Dichloropropane	6.787	63	66083	4.890	ug/L #	96
38) Bromodichloromethane	7.102	83	82580	5.190	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	84597	4.932	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	373393	48.312	ug/L	95
42) Toluene	7.964	91	264940	5.282	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	75386	5.091	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	44886	5.281	ug/L	97
47) Tetrachloroethene	8.549	164	47928	5.461	ug/L	95
48) 2-Hexanone	8.684	43	285536	50.458	ug/L	97
49) Dibromochloromethane	8.806	129	54881	5.585	ug/L	98
50) 1,2-Dibromoethane	8.919	107	42319	5.416	ug/L #	98
51) Chlorobenzene	9.443	112	163001	5.217	ug/L	97
52) Ethylbenzene	9.565	91	264937	5.185	ug/L	97
53) m,p-Xylene	9.690	106	105953	5.474	ug/L	95
54) o-Xylene	10.095	106	99553	5.379	ug/L	98
55) Styrene	10.108	104	174174	5.518	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	57280	5.159	ug/L	98
59) Bromoform	10.288	173	30294	5.605	ug/L	99
60) Isopropylbenzene	10.481	105	258595	5.249	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	40191	4.976	ug/L	94
62) 1,3,5-Trimethylbenzene	11.083	105	209407	5.329	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	207767	5.249	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	123674	5.277	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	123399	5.162	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	116158	5.268	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	8337	4.475	ug/L #	75
69) 1,3,5-Trichlorobenzene	13.214	180	85720	4.924	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	64125	4.593	ug/L	99
71) Naphthalene	14.082	128	105985	4.373	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	61418	4.802	ug/L	99

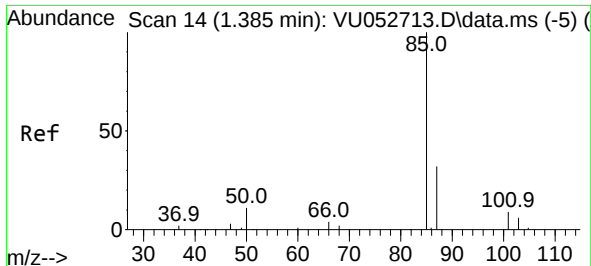
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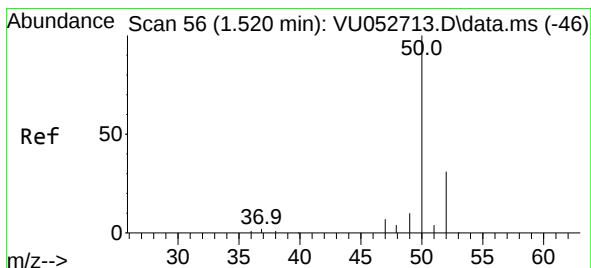
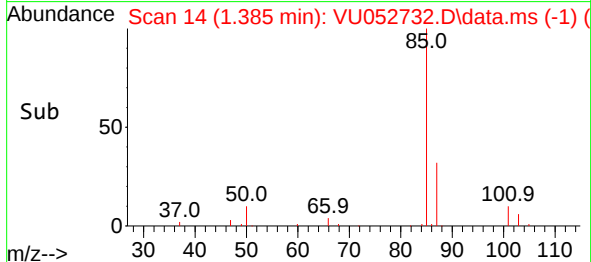
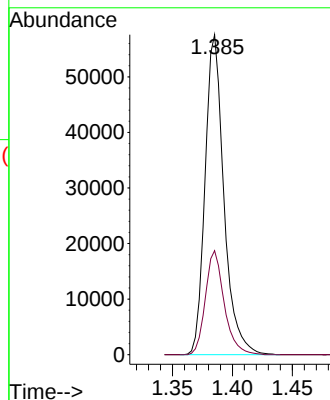
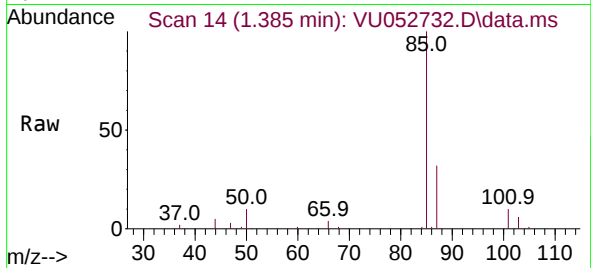




#2
Dichlorodifluoromethane
Concen: 4.316 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

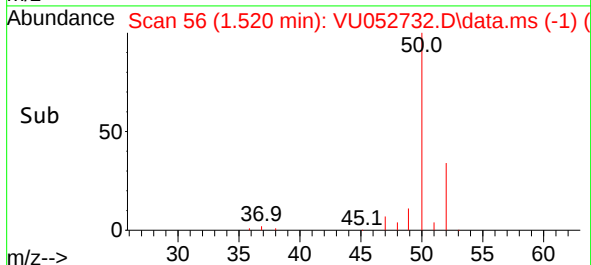
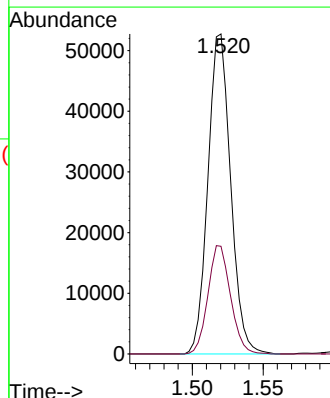
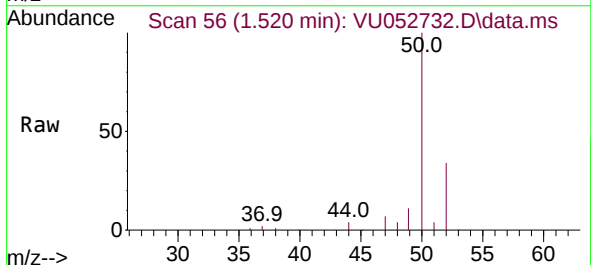
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MSVOA_U
ClientSampleId :

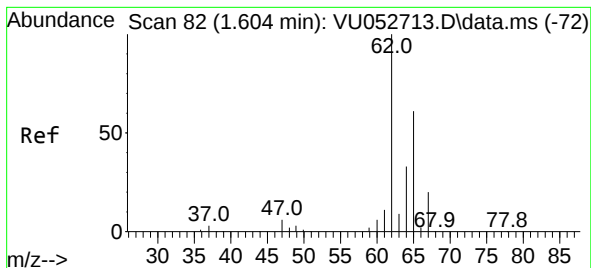
Tgt Ion: 85 Resp: 62932
Ion Ratio Lower Upper
85 100
87 32.5 25.5 38.3



#3
Chloromethane
Concen: 3.320 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 50 Resp: 58793
Ion Ratio Lower Upper
50 100
52 33.7 22.7 42.3





#5

Vinyl chloride

Concen: 3.725 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

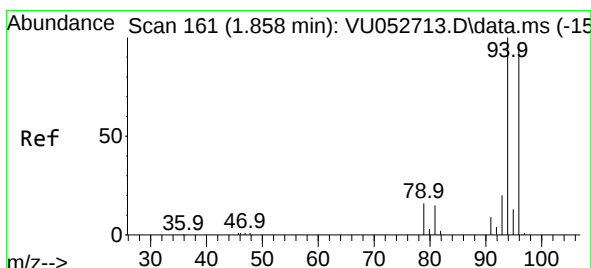
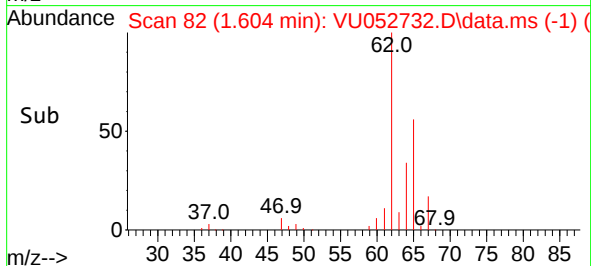
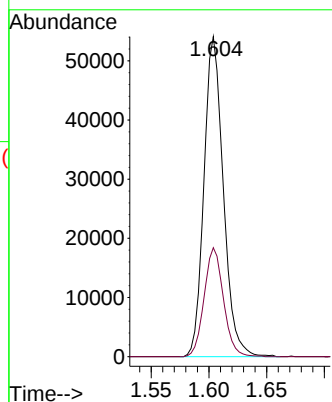
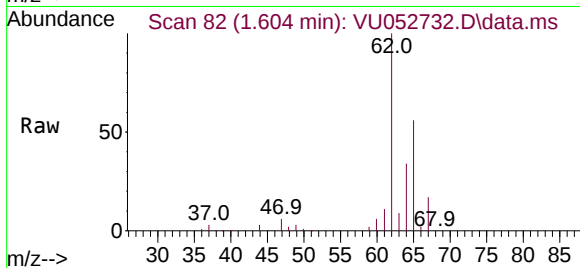
ClientSampleId :

Tgt Ion: 62 Resp: 63112

Ion Ratio Lower Upper

62 100

64 34.1 22.3 41.3



#6

Bromomethane

Concen: 2.673 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU052732.D

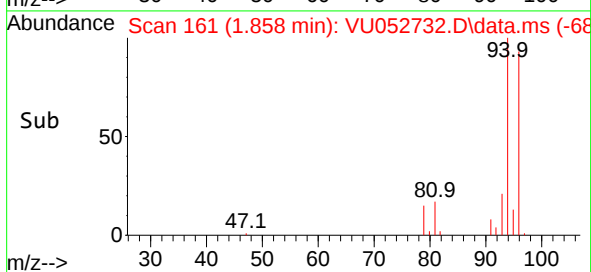
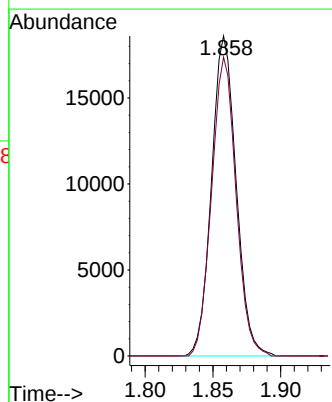
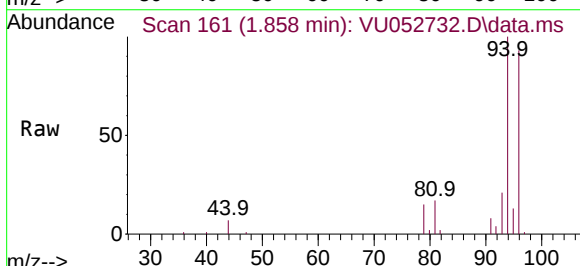
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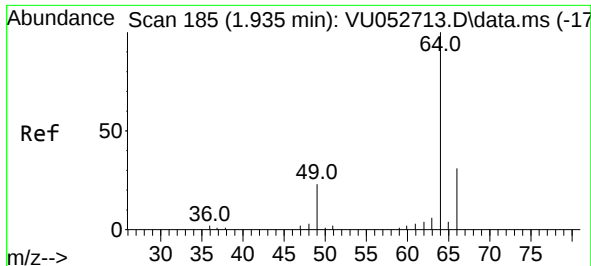
Tgt Ion: 94 Resp: 23505

Ion Ratio Lower Upper

94 100

96 93.4 62.2 115.6

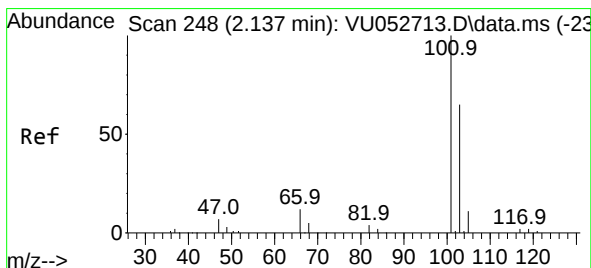
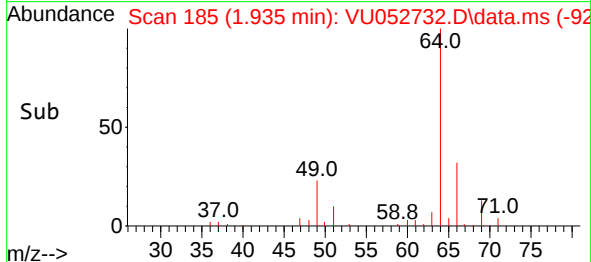
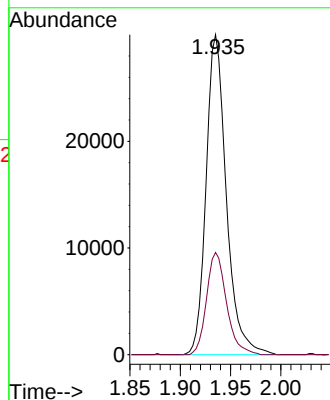
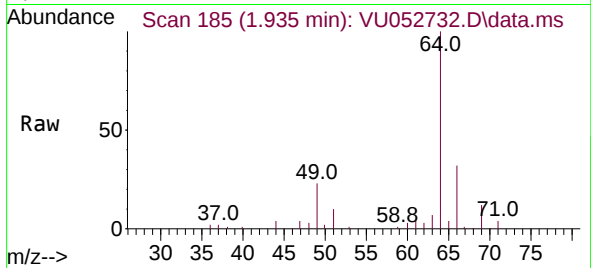




#8
Chloroethane
Concen: 4.071 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

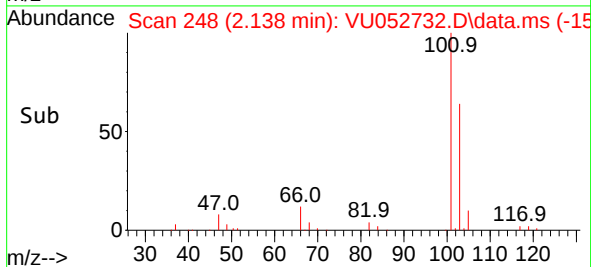
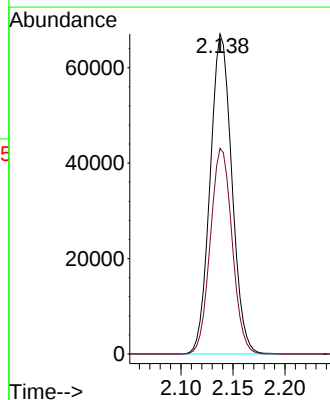
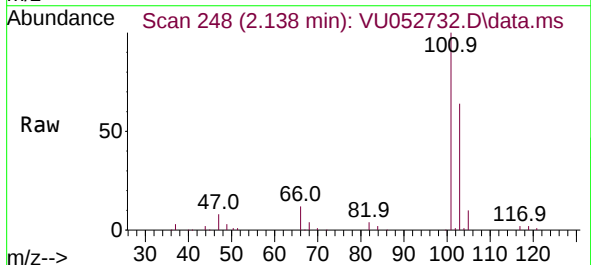
Instrument :
MSVOA_U
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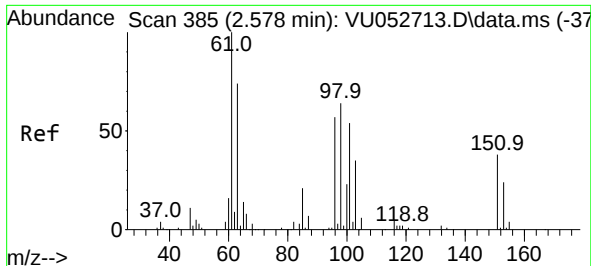
Tgt Ion: 64 Resp: 41928
Ion Ratio Lower Upper
64 100
66 32.0 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.882 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 101 Resp: 97499
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

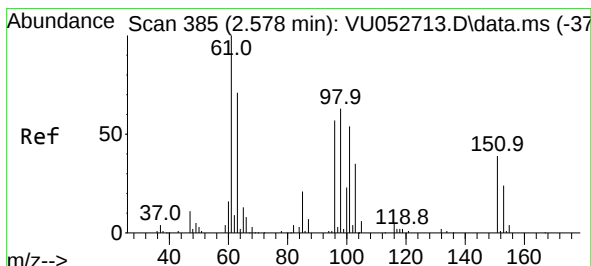
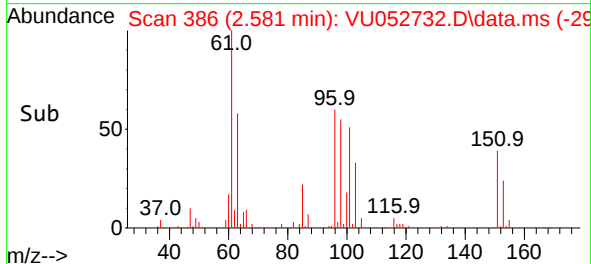
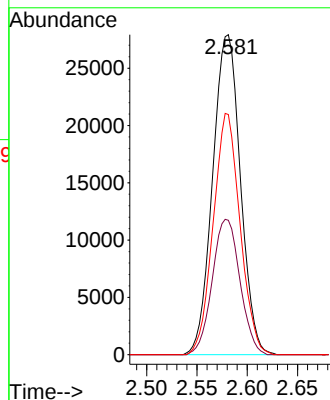
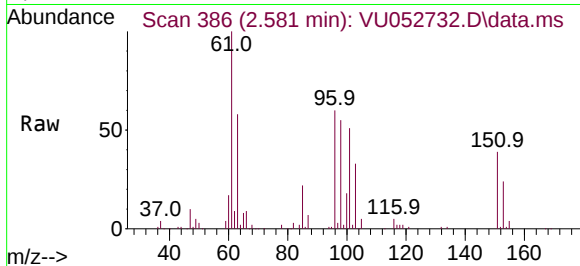




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.570 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052732.D
 Acq: 17 Jan 2023 20:00

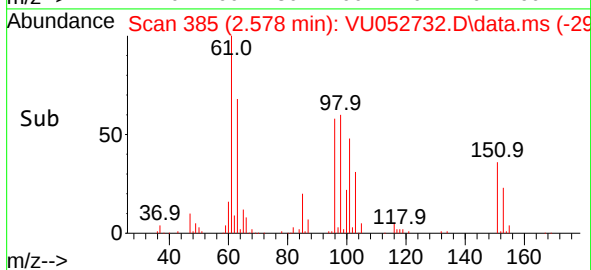
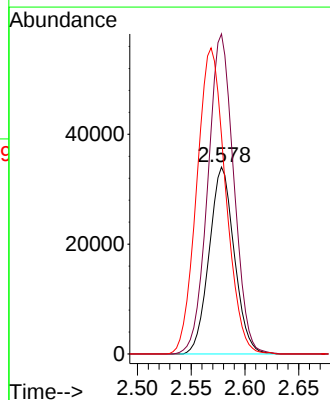
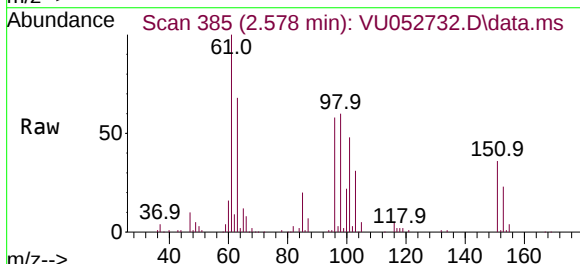
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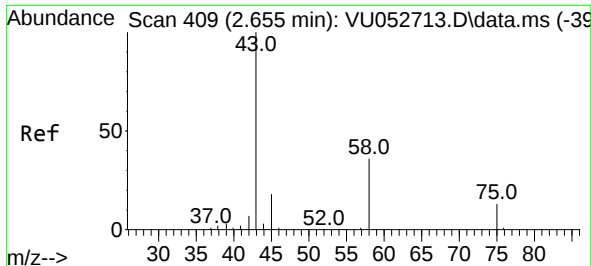
Tgt Ion:101 Resp: 53700
 Ion Ratio Lower Upper
 101 100
 85 42.2 35.0 52.6
 151 72.7 55.0 82.6



#12
 1,1-Dichloroethene
 Concen: 4.700 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052732.D
 Acq: 17 Jan 2023 20:00

Tgt Ion: 96 Resp: 55304
 Ion Ratio Lower Upper
 96 100
 61 171.2 129.6 240.8
 63 116.9 83.7 155.5

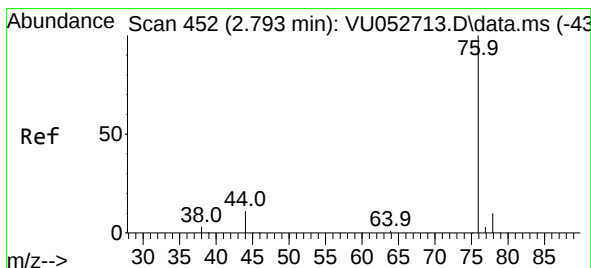
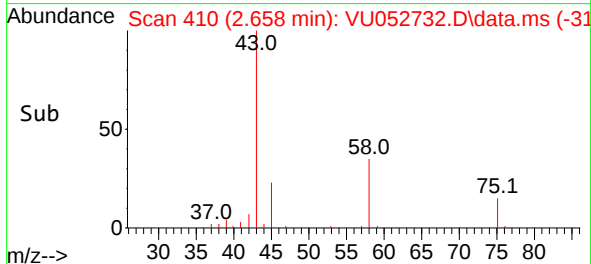
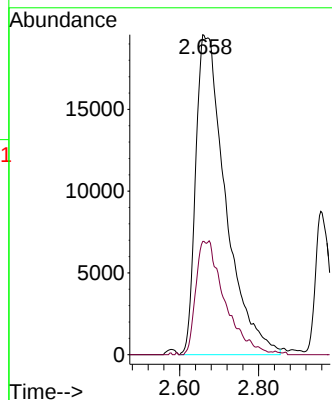
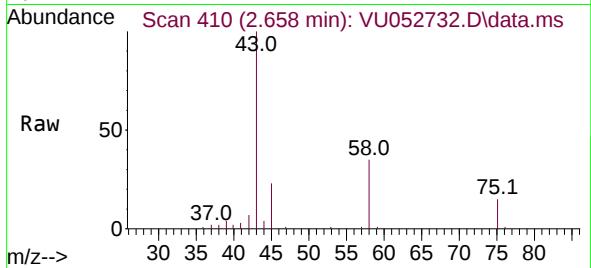




#13
Acetone
Concen: 44.907 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

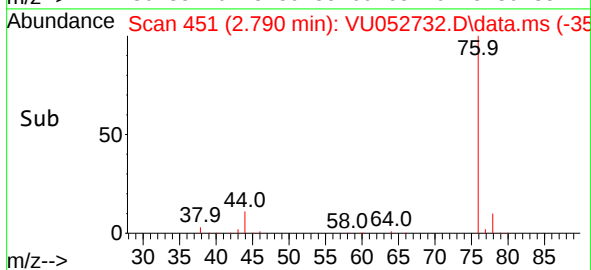
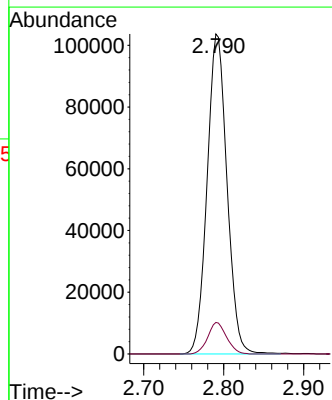
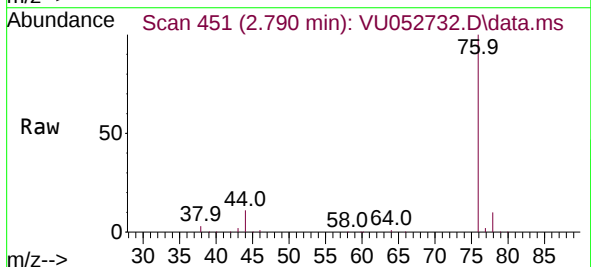
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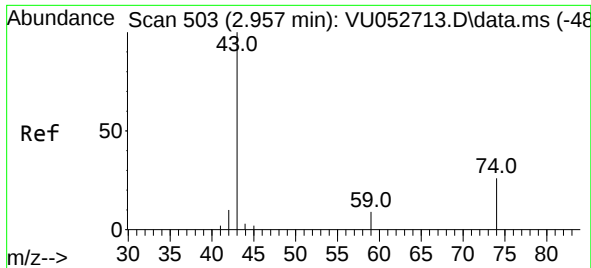
Tgt Ion: 43 Resp: 102679
Ion Ratio Lower Upper
43 100
58 12.9 0.0 68.8



#14
Carbon disulfide
Concen: 4.400 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 76 Resp: 178910
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6

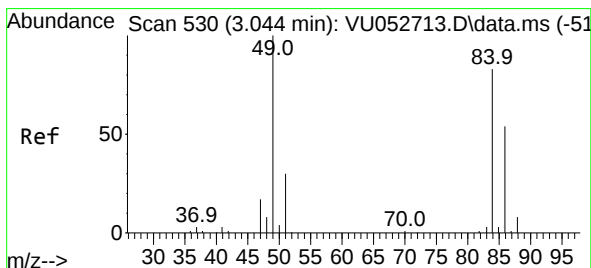
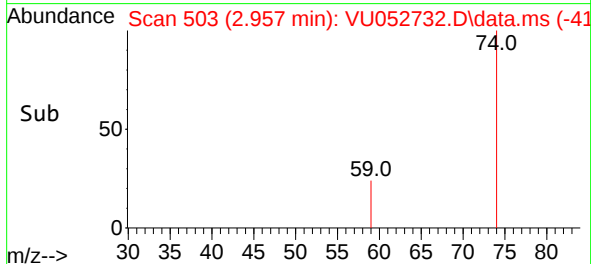
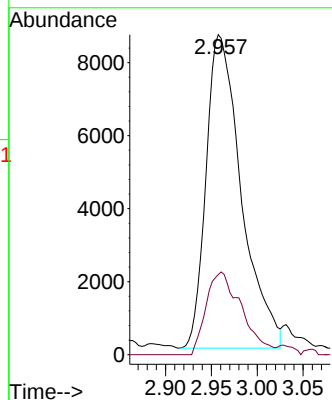
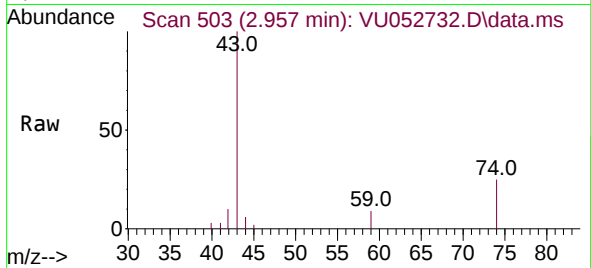




#15
Methyl Acetate
Concen: 4.188 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

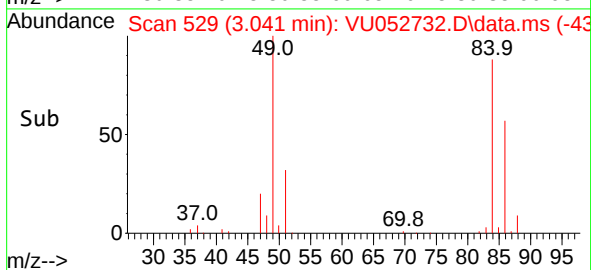
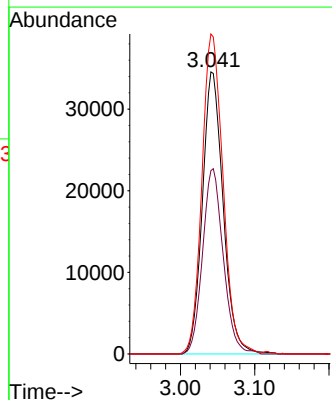
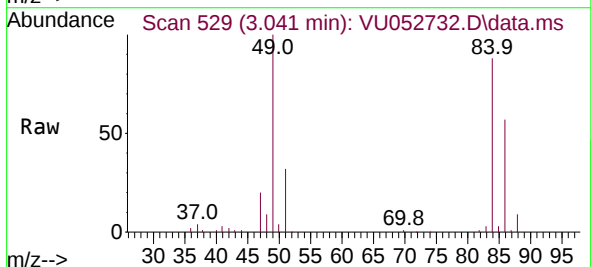
Instrument :
MSVOA_U
ClientSampleId :

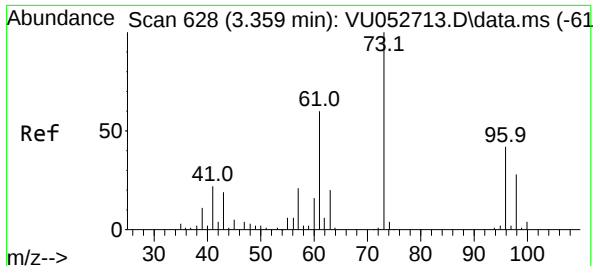
Tgt Ion: 43 Resp: 22959
Ion Ratio Lower Upper
43 100
74 26.6 17.5 26.3#



#16
Methylene chloride
Concen: 4.286 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 84 Resp: 67117
Ion Ratio Lower Upper
84 100
86 65.0 45.6 84.6
49 113.4 94.8 176.0





#17

Methyl tert-butyl Ether

Concen: 5.135 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

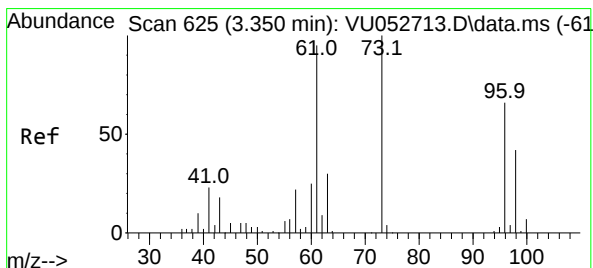
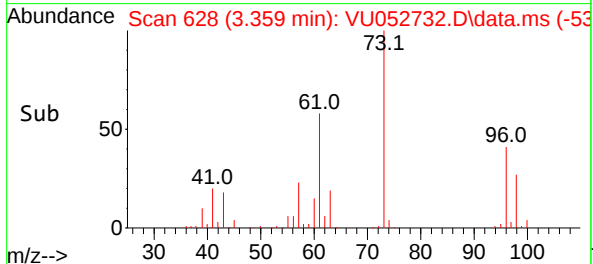
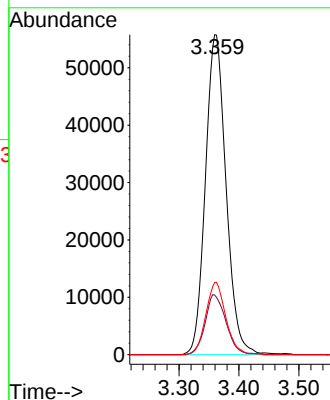
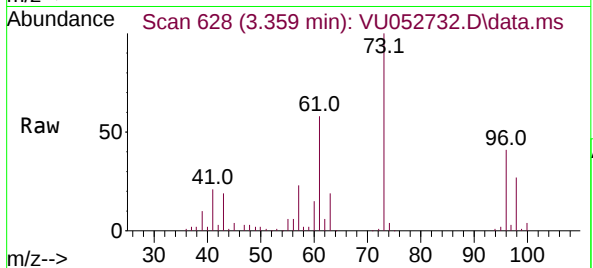
Tgt Ion: 73 Resp: 133721

Ion Ratio Lower Upper

73 100

43 19.0 15.8 23.8

57 21.8 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.878 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

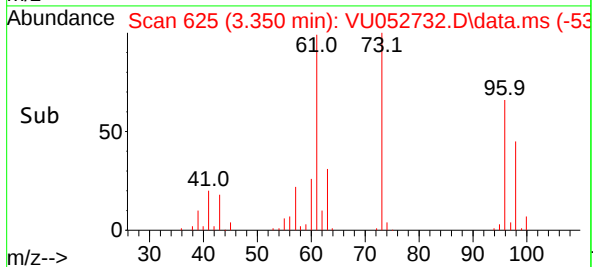
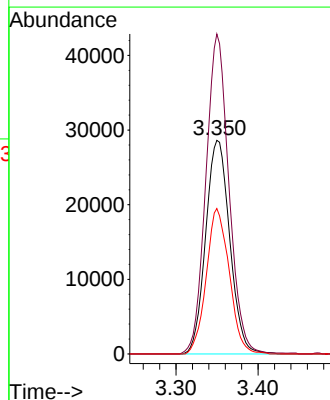
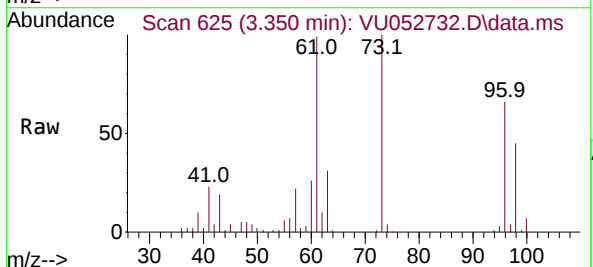
Tgt Ion: 96 Resp: 58536

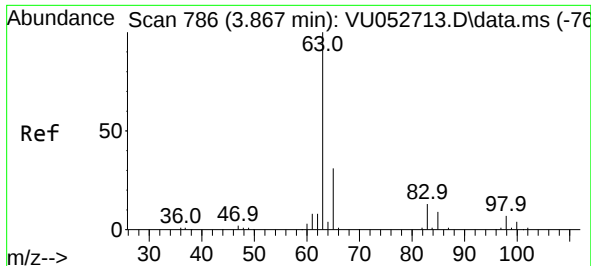
Ion Ratio Lower Upper

96 100

61 149.8 108.4 201.4

98 68.1 43.8 81.4

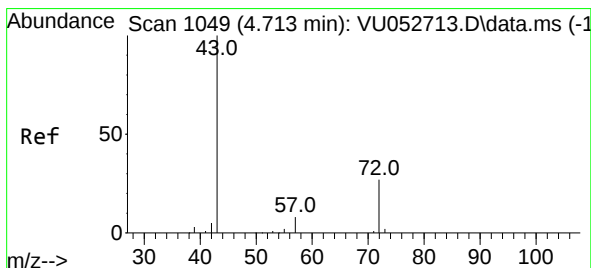
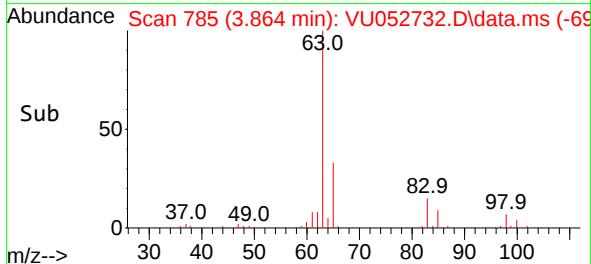
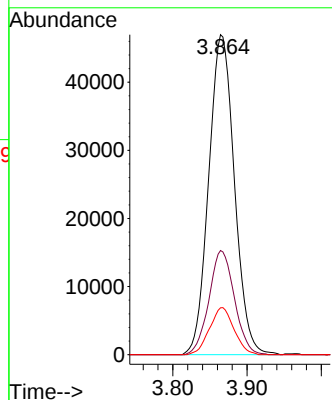
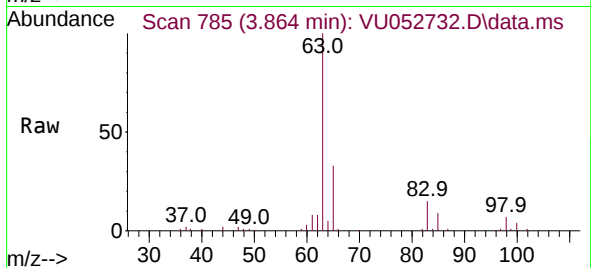




#19
1,1-Dichloroethane
Concen: 4.536 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

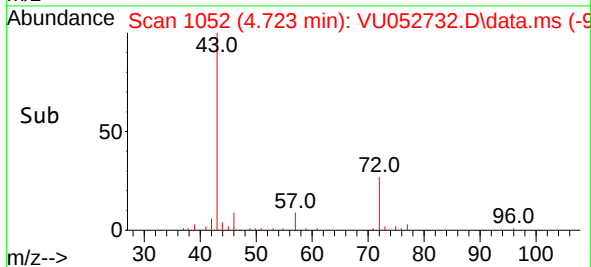
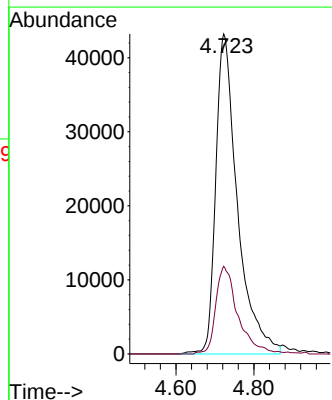
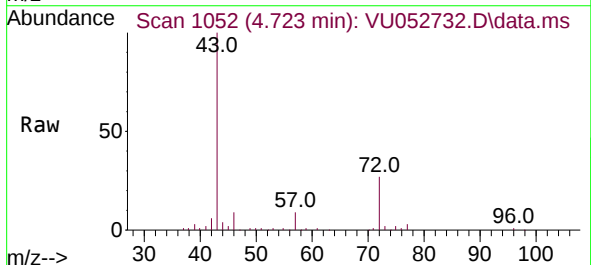
Instrument :
MSVOA_U
ClientSampleId :

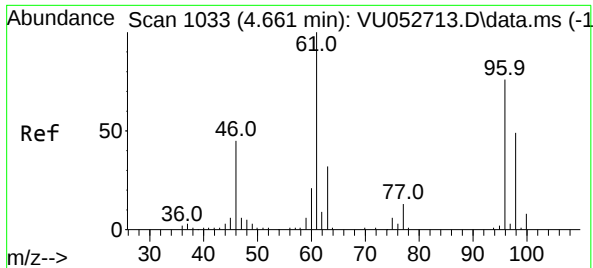
Tgt Ion: 63 Resp: 113044
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 14.6 8.9 16.5



#21
2-Butanone
Concen: 45.409 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 43 Resp: 167139
Ion Ratio Lower Upper
43 100
72 27.7 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 4.970 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

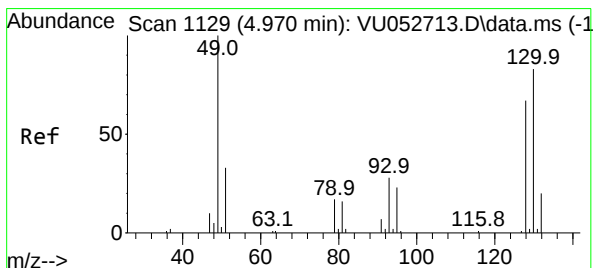
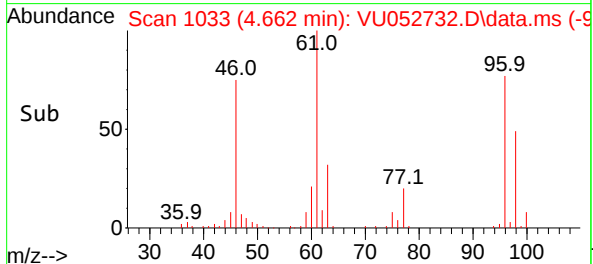
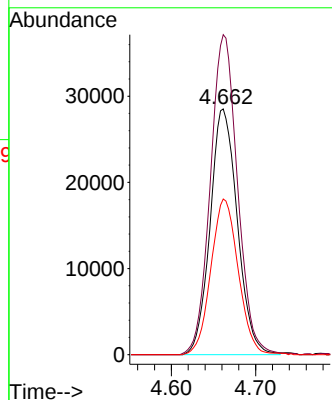
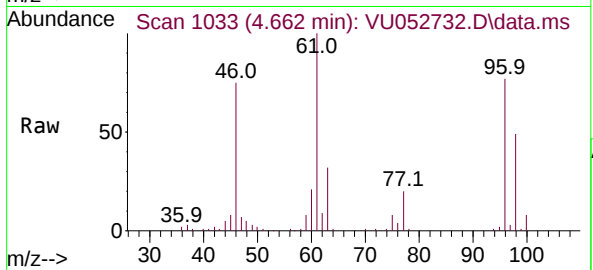
Tgt Ion: 96 Resp: 64055

Ion Ratio Lower Upper

96 100

61 130.2 94.6 175.8

98 63.3 43.3 80.3



#23

Bromochloromethane

Concen: 5.298 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Tgt Ion:128 Resp: 28906

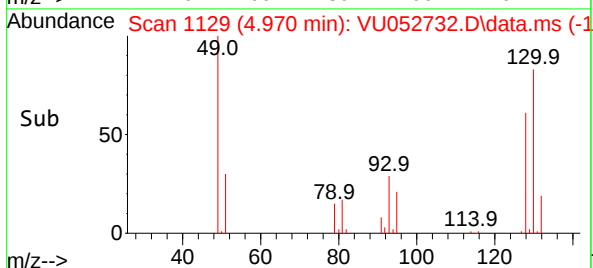
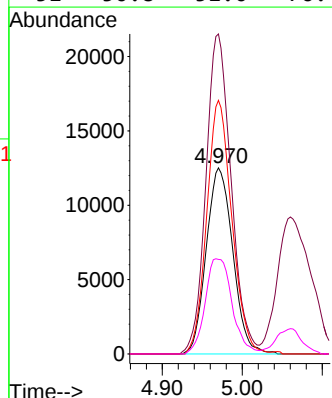
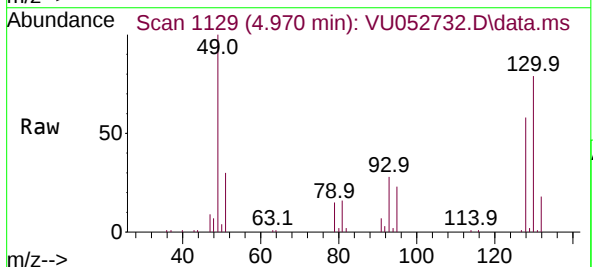
Ion Ratio Lower Upper

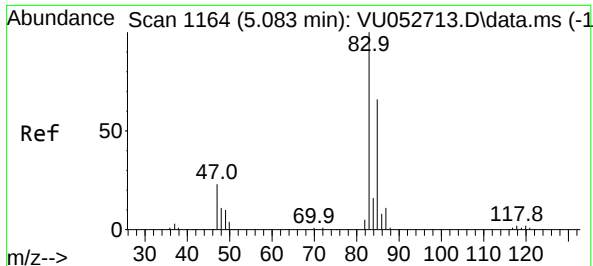
128 100

49 172.0 142.8 265.2

130 136.3 91.3 169.5

51 50.8 51.0 76.4#





#25

Chloroform

Concen: 4.723 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

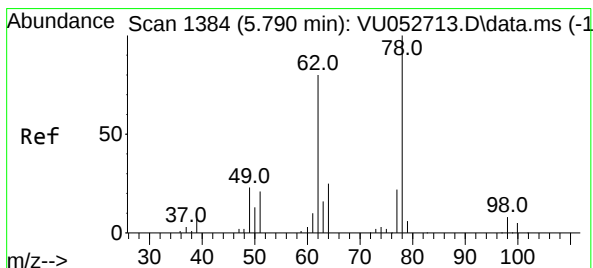
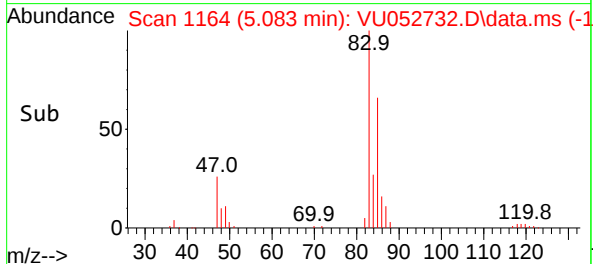
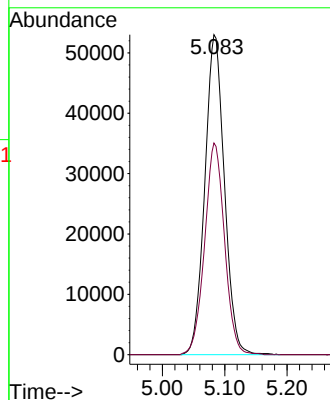
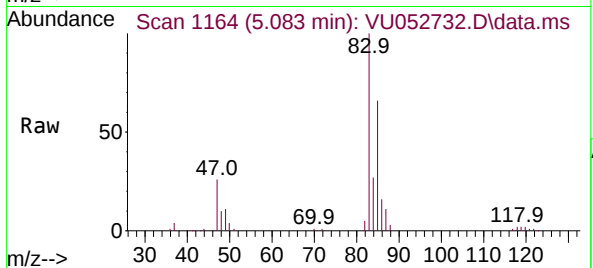
ClientSampleId :

Tgt Ion: 83 Resp: 115714

Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.064 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052732.D

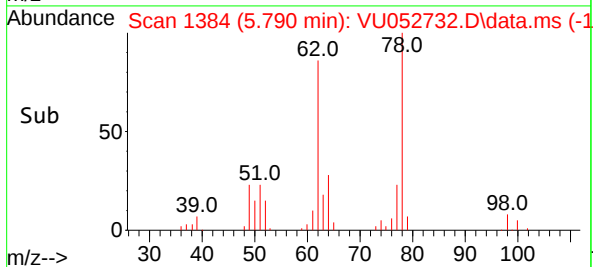
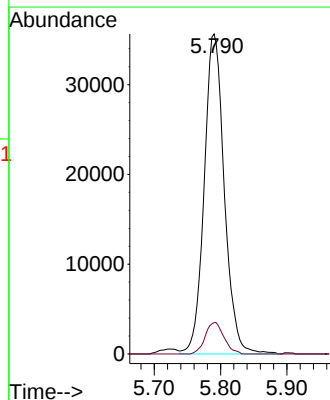
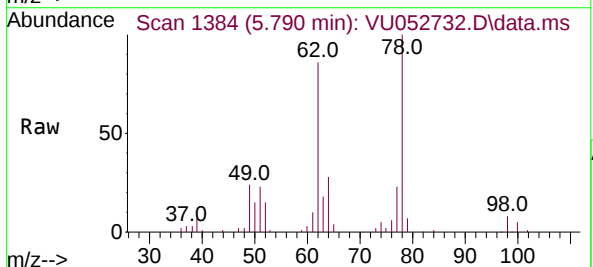
Acq: 17 Jan 2023 20:00

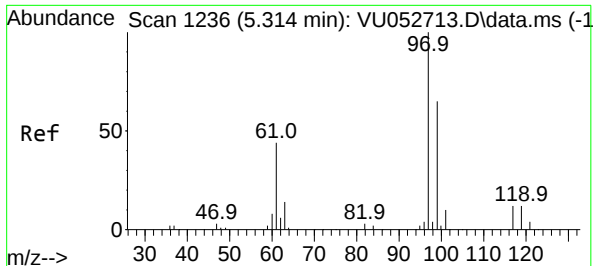
Tgt Ion: 62 Resp: 75177

Ion Ratio Lower Upper

62 100

98 9.8 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 5.032 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

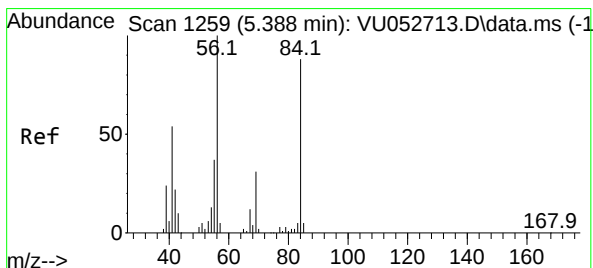
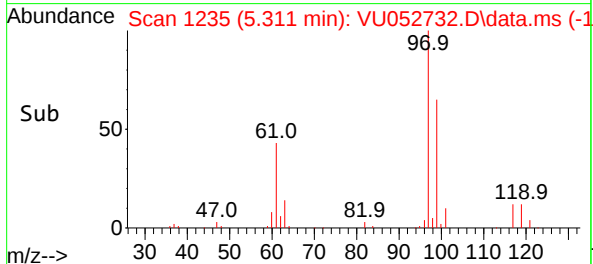
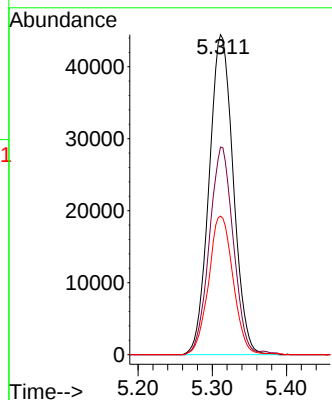
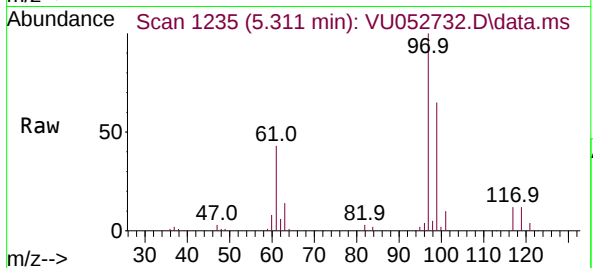
Tgt Ion: 97 Resp: 100437

Ion Ratio Lower Upper

97 100

99 64.2 52.4 78.6

61 43.9 38.5 57.7



#30

Cyclohexane

Concen: 4.278 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

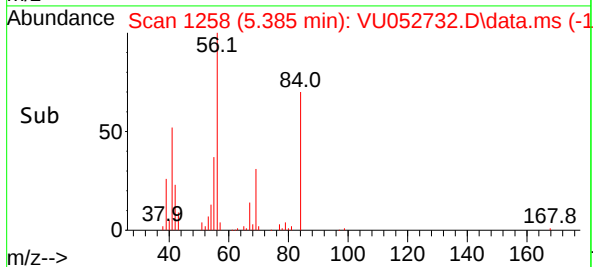
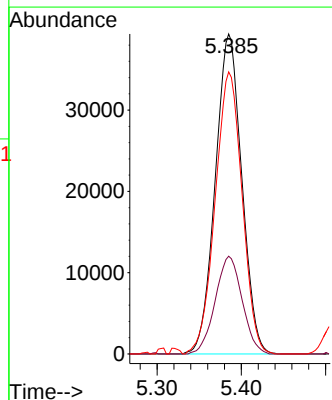
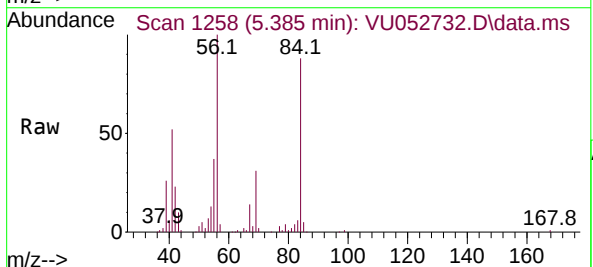
Tgt Ion: 56 Resp: 85915

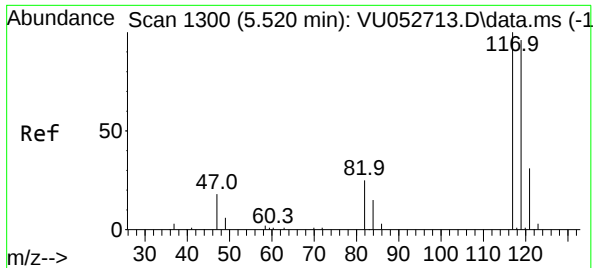
Ion Ratio Lower Upper

56 100

69 31.0 23.8 35.8

84 89.6 66.2 99.4

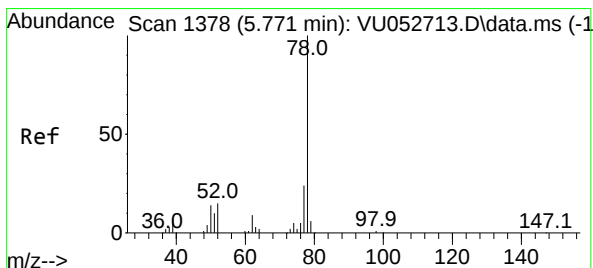
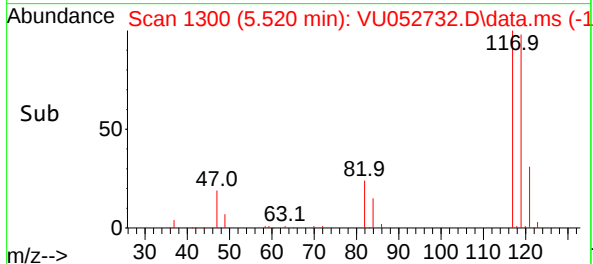
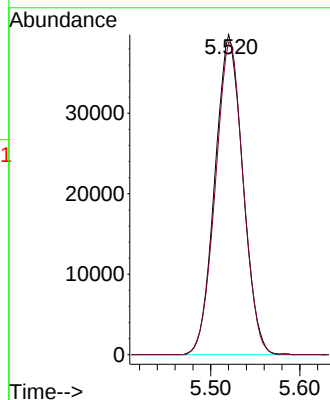
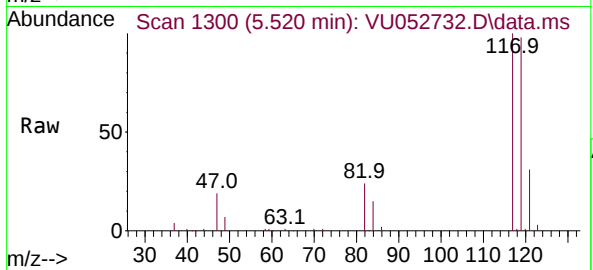




#31
Carbon tetrachloride
Concen: 5.534 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

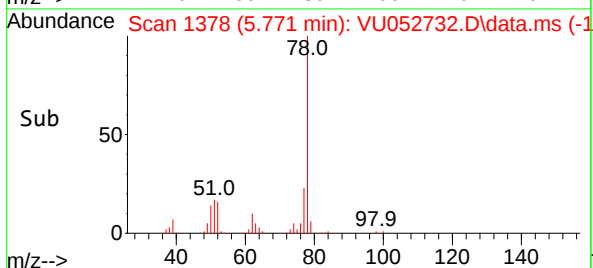
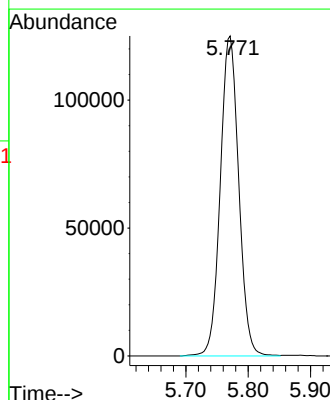
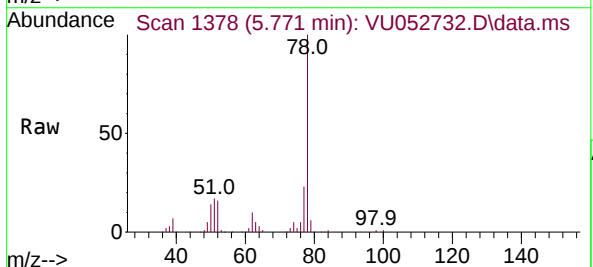
Instrument :
MSVOA_U
ClientSampleId :

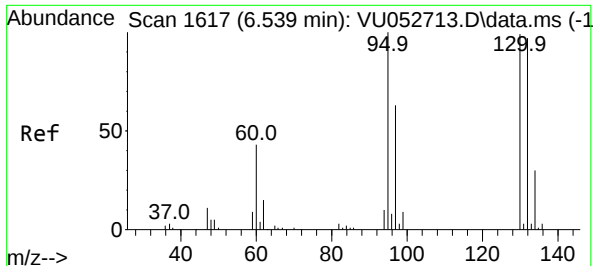
Tgt Ion:117 Resp: 86548
Ion Ratio Lower Upper
117 100
119 97.8 77.8 116.8



#33
Benzene
Concen: 5.094 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

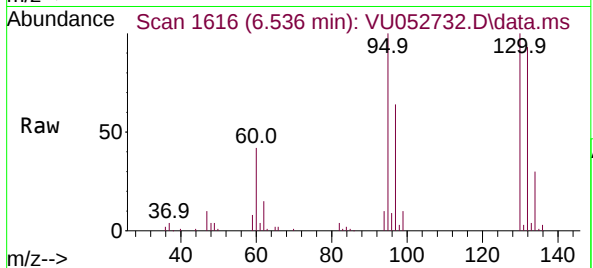
Tgt Ion: 78 Resp: 256509





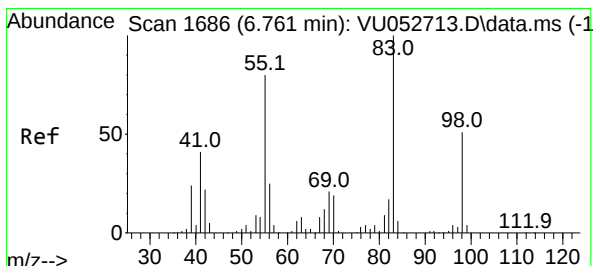
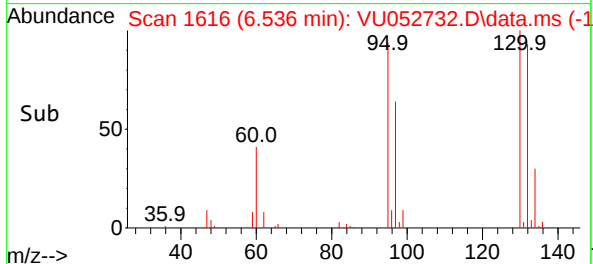
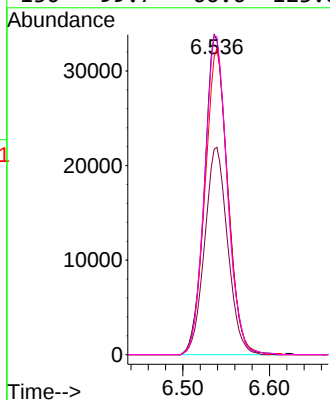
#34
Trichloroethene
Concen: 5.206 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 62007

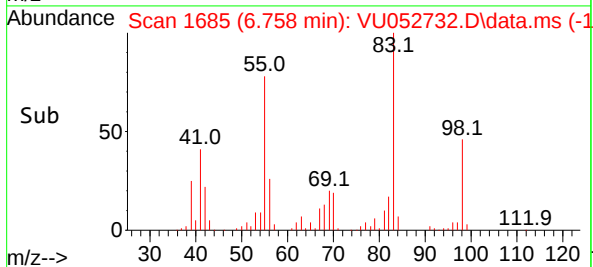
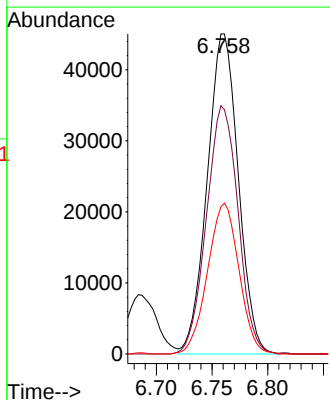
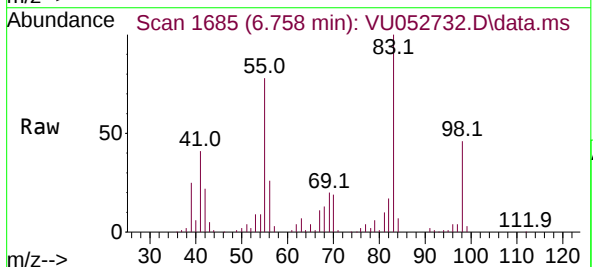
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.0	85.4
132	93.2	64.0	118.8
130	99.7	66.6	123.8

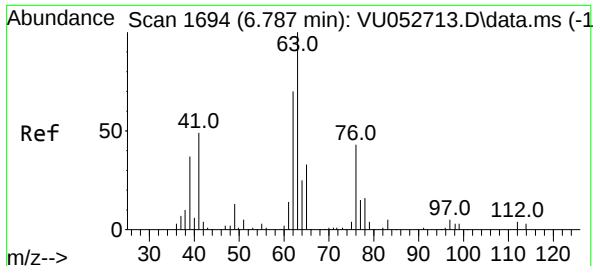


#35
Methylcyclohexane
Concen: 4.457 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 83 Resp: 87670

Ion	Ratio	Lower	Upper
83	100		
55	78.8	67.6	101.4
98	47.5	37.1	55.7





#37

1,2-Dichloropropane

Concen: 4.890 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

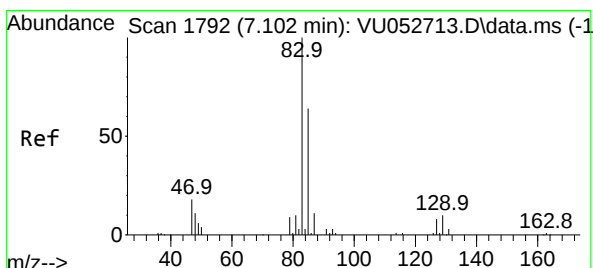
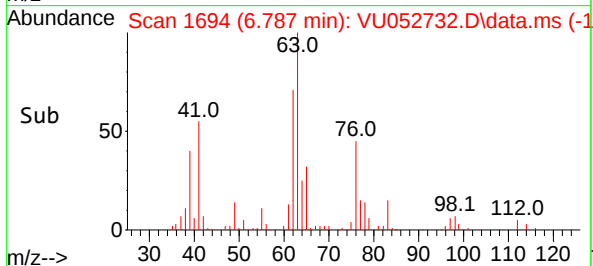
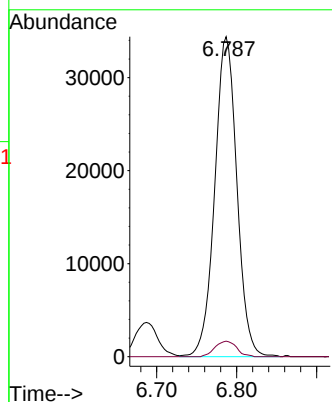
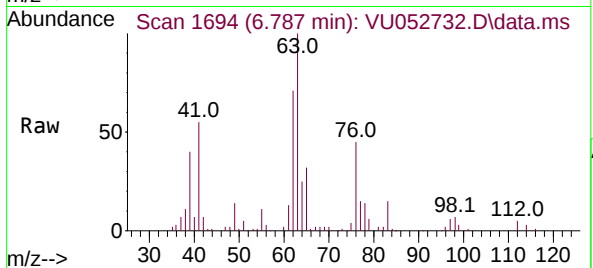
ClientSampleId :

Tgt Ion: 63 Resp: 66083

Ion Ratio Lower Upper

63 100

112 4.8 2.9 4.3#



#38

Bromodichloromethane

Concen: 5.190 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

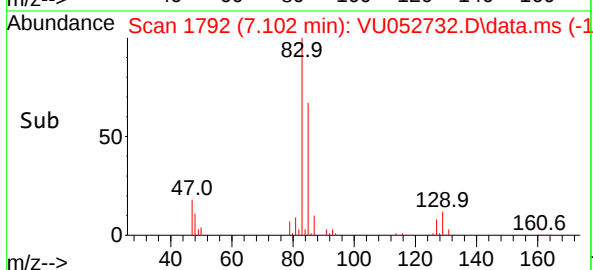
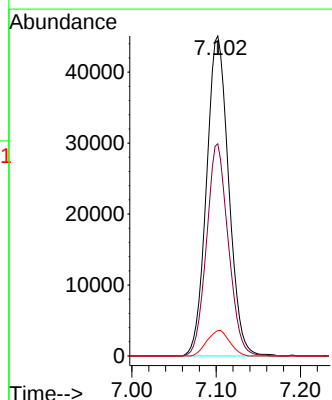
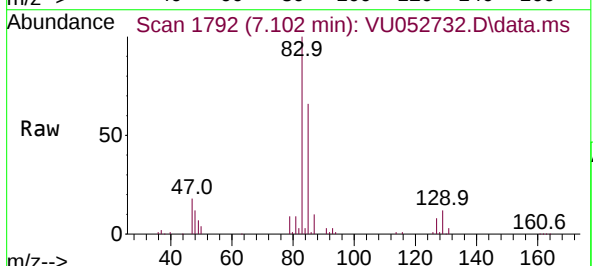
Tgt Ion: 83 Resp: 82580

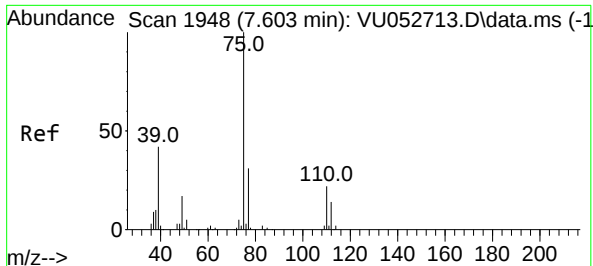
Ion Ratio Lower Upper

83 100

85 66.3 47.0 87.4

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.932 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

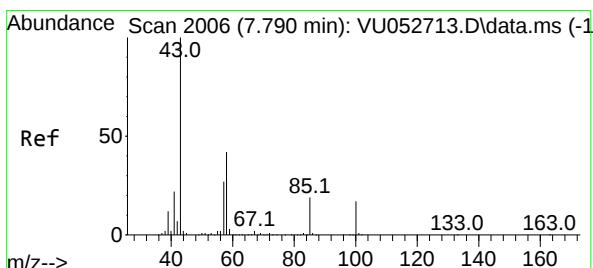
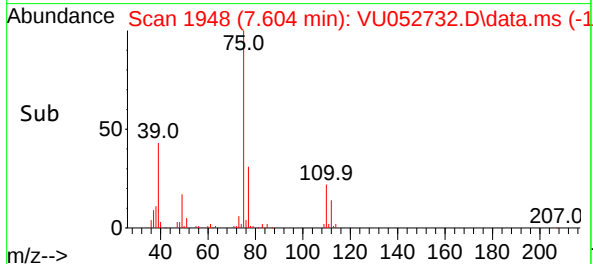
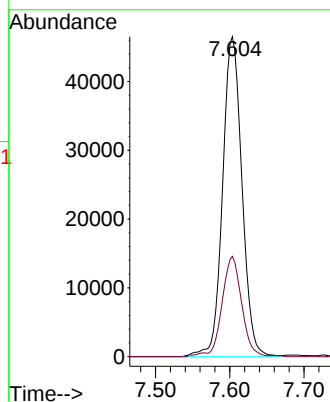
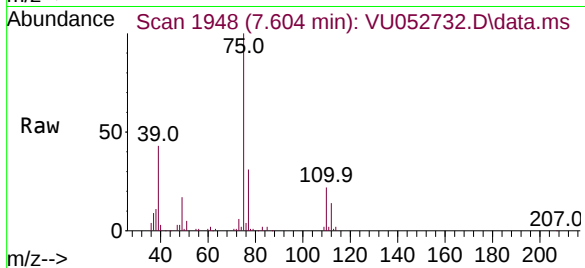
ClientSampleId :

Tgt Ion: 75 Resp: 84597

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 48.312 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

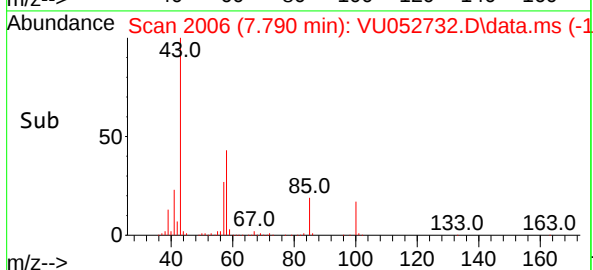
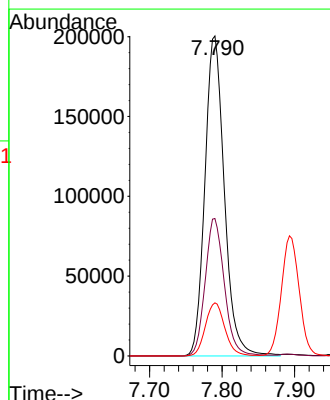
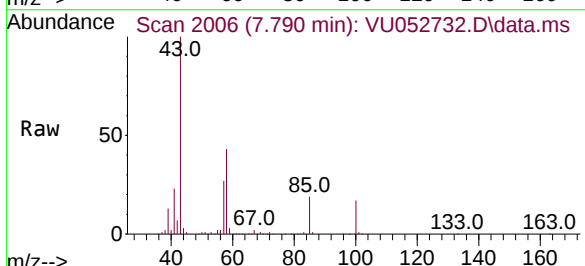
Tgt Ion: 43 Resp: 373393

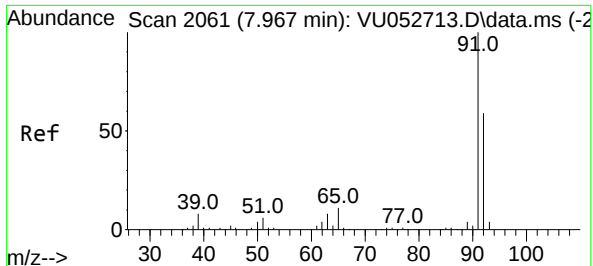
Ion Ratio Lower Upper

43 100

58 42.5 32.0 48.0

100 16.6 11.3 16.9

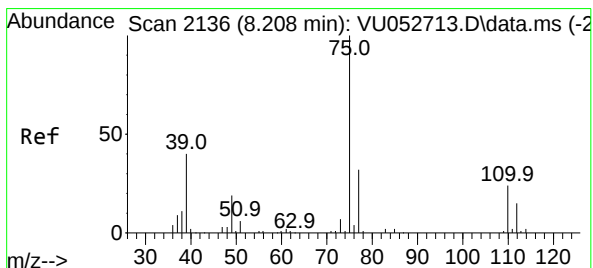
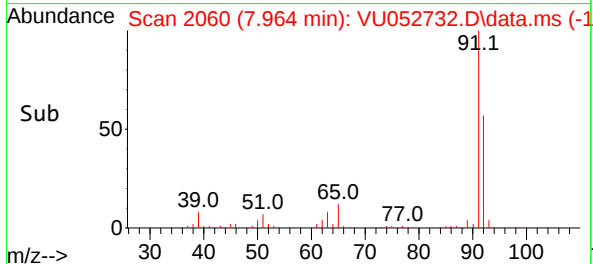
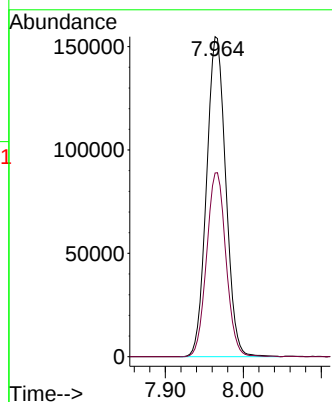
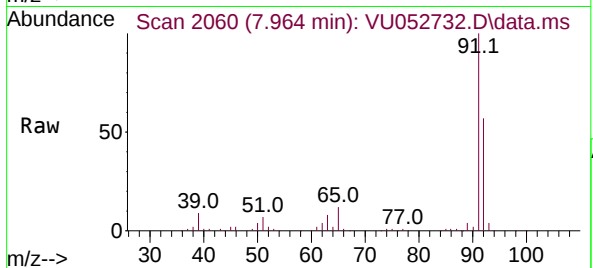




#42
Toluene
Concen: 5.282 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

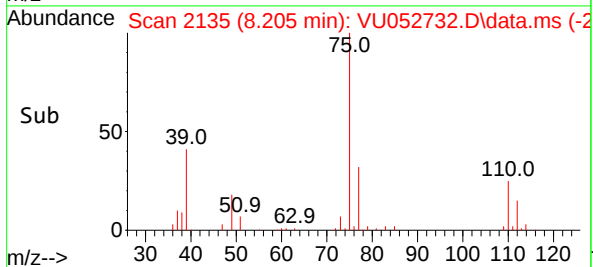
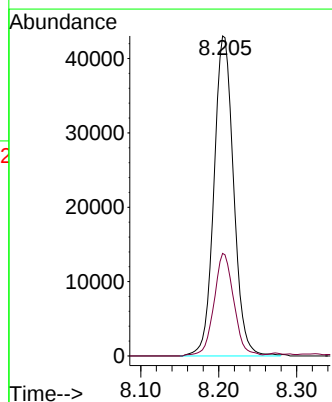
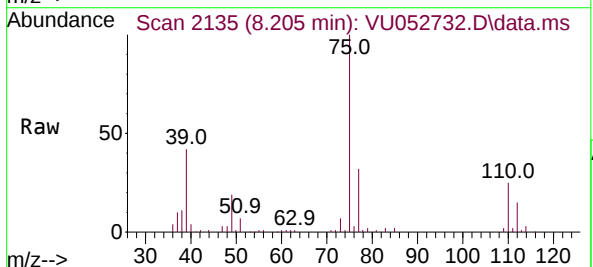
Instrument :
MSVOA_U
ClientSampleId :

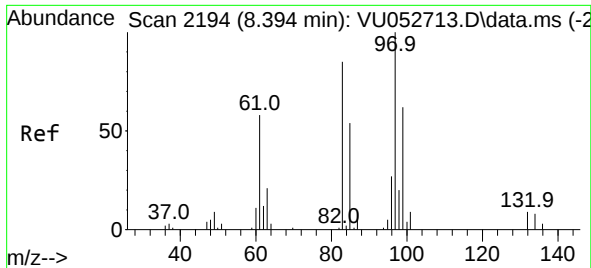
Tgt Ion: 91 Resp: 264940
Ion Ratio Lower Upper
91 100
92 57.4 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 5.091 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

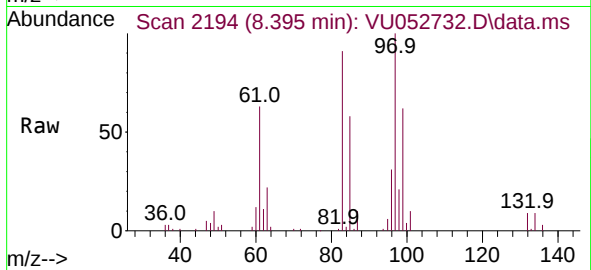
Tgt Ion: 75 Resp: 75386
Ion Ratio Lower Upper
75 100
77 32.0 22.3 41.5





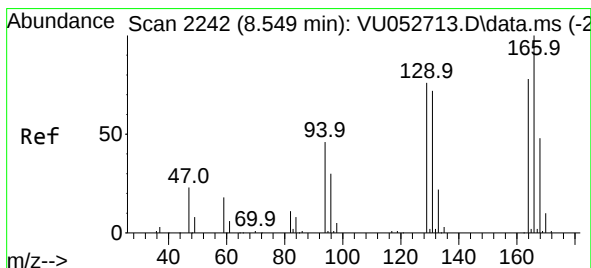
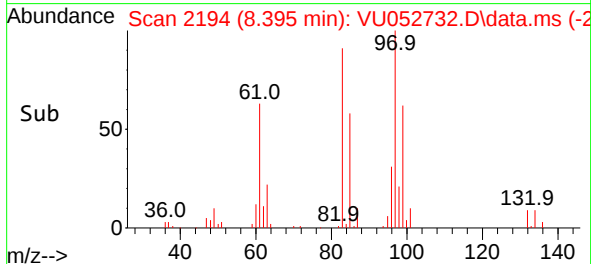
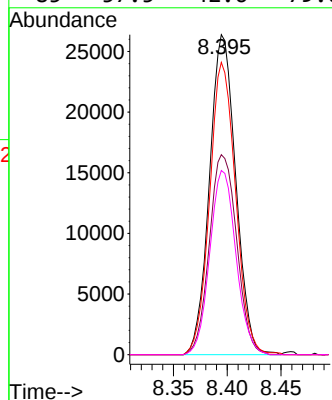
#45
1,1,2-Trichloroethane
Concen: 5.281 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 44886

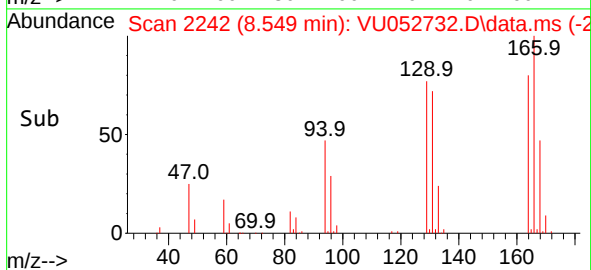
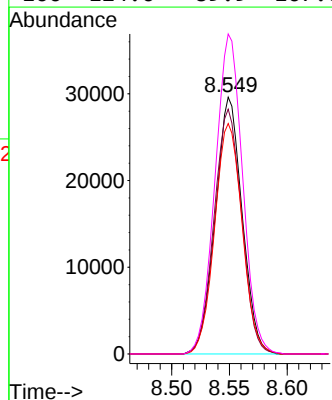
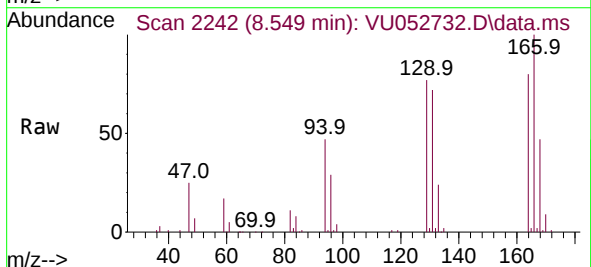
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.8	83.2
83	91.4	65.3	121.3
85	57.5	42.6	79.0

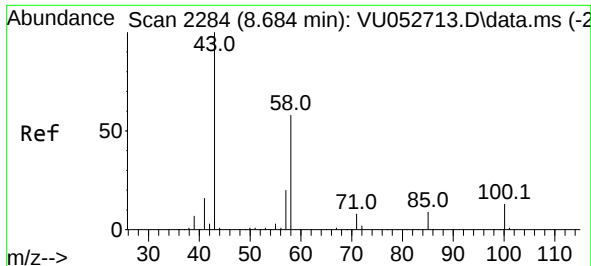


#47
Tetrachloroethene
Concen: 5.461 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 164 Resp: 47928

Ion	Ratio	Lower	Upper
164	100		
129	95.4	71.8	133.4
131	89.7	66.6	123.6
166	124.6	89.9	167.0

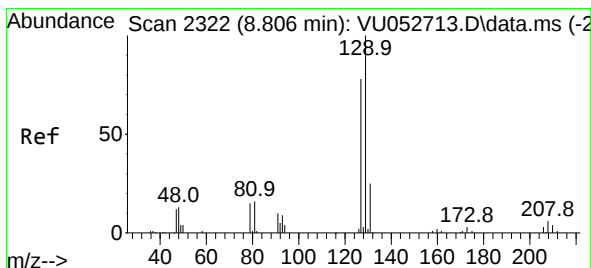
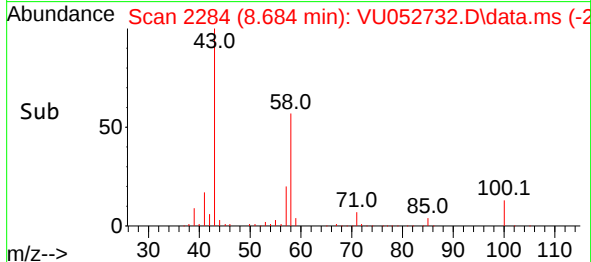
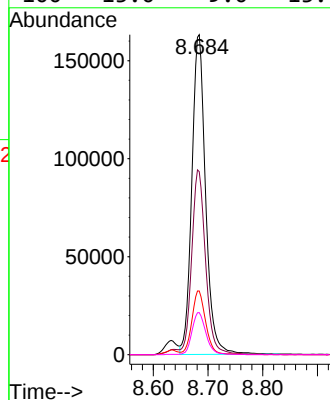
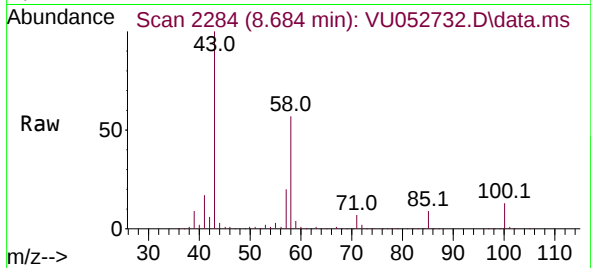




#48
2-Hexanone
Concen: 50.458 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

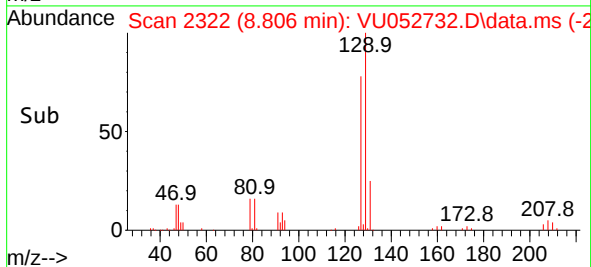
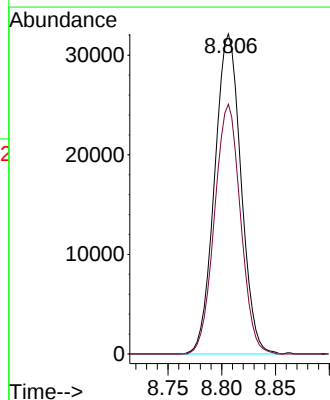
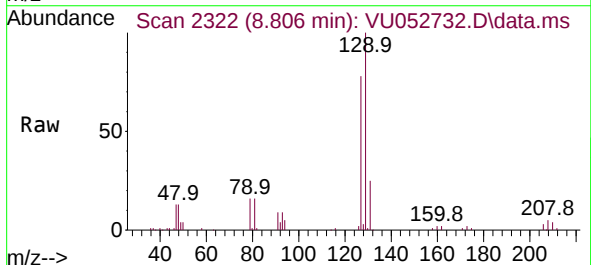
Instrument :
MSVOA_U
ClientSampleId :

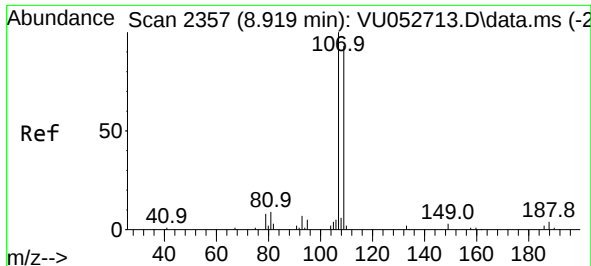
Tgt Ion: 43 Resp: 285536
Ion Ratio Lower Upper
43 100
58 58.0 45.1 67.7
57 19.9 15.1 22.7
100 13.0 9.0 13.4



#49
Dibromochloromethane
Concen: 5.585 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 129 Resp: 54881
Ion Ratio Lower Upper
129 100
127 78.0 53.5 99.5

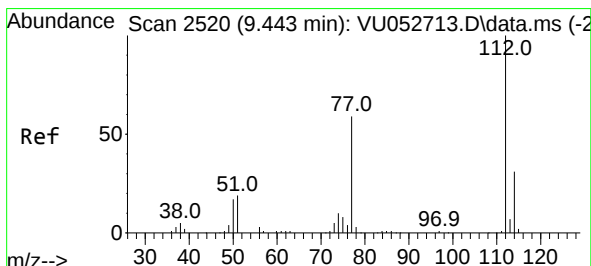
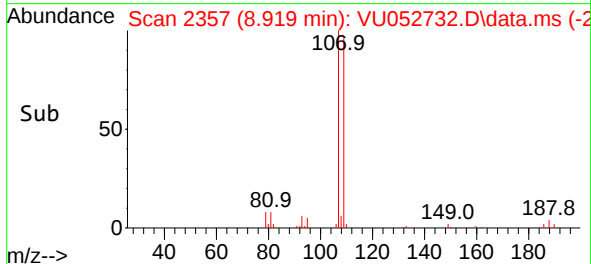
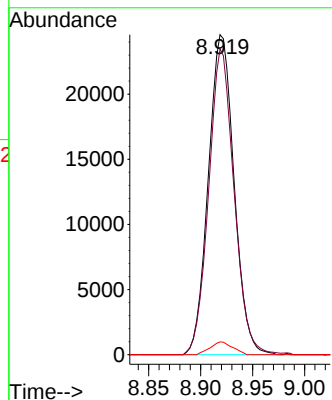
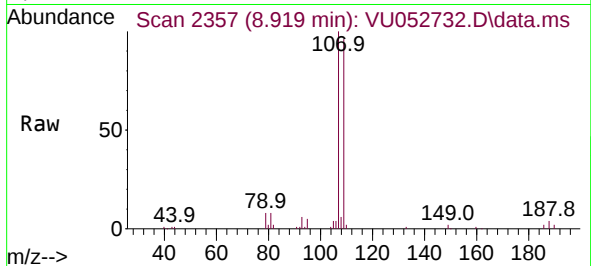




#50
1,2-Dibromoethane
Concen: 5.416 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

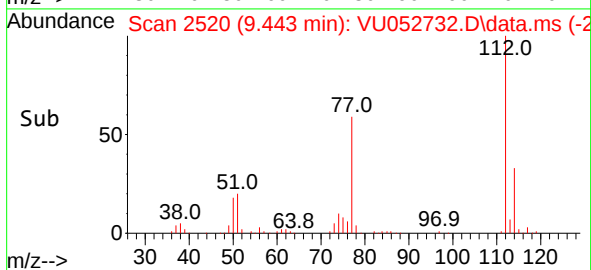
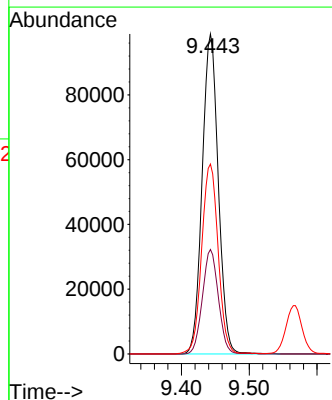
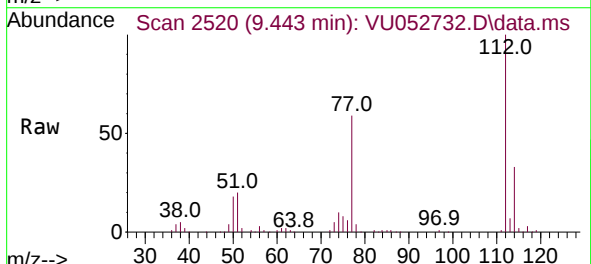
Instrument :
MSVOA_U
ClientSampleId :

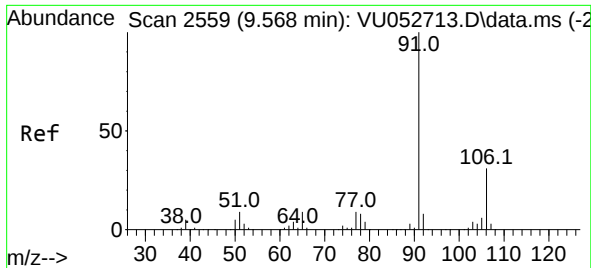
Tgt Ion:107 Resp: 42319
Ion Ratio Lower Upper
107 100
109 95.5 65.3 121.3
188 4.0 2.4 3.6#



#51
Chlorobenzene
Concen: 5.217 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion:112 Resp: 163001
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 59.3 50.2 75.4

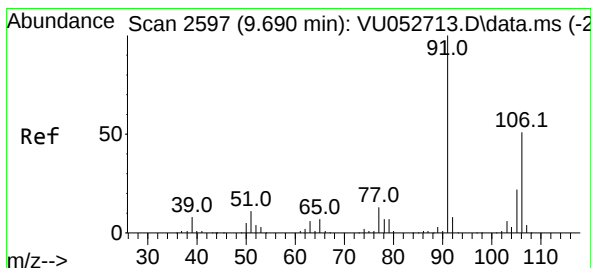
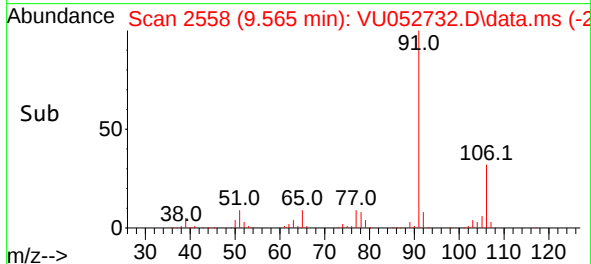
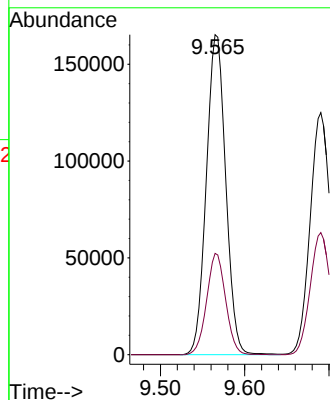
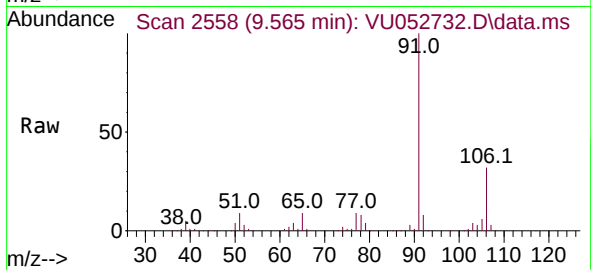




#52
Ethylbenzene
Concen: 5.185 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

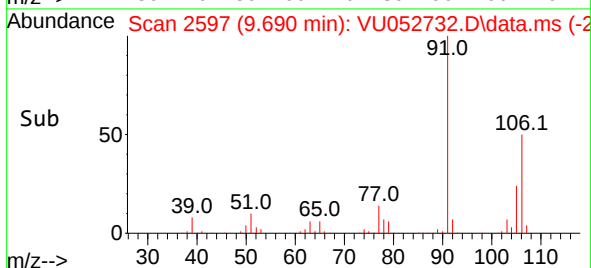
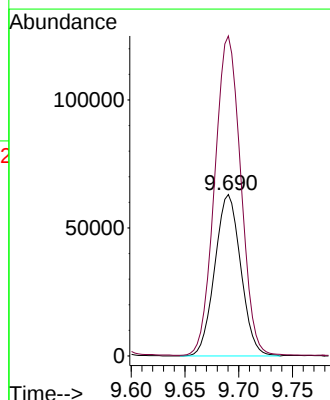
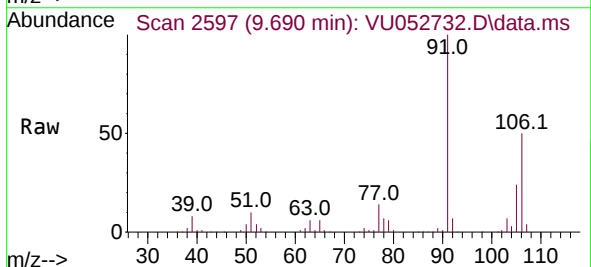
Instrument :
MSVOA_U
ClientSampleId :

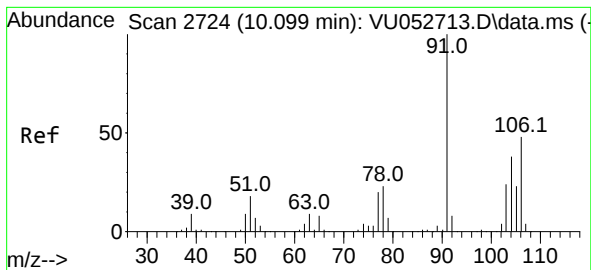
Tgt Ion: 91 Resp: 264937
Ion Ratio Lower Upper
91 100
106 31.6 21.1 39.3



#53
m,p-Xylene
Concen: 5.474 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion: 106 Resp: 105953
Ion Ratio Lower Upper
106 100
91 198.1 144.3 267.9





#54

o-Xylene

Concen: 5.379 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

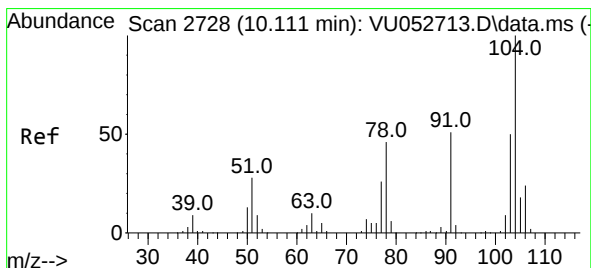
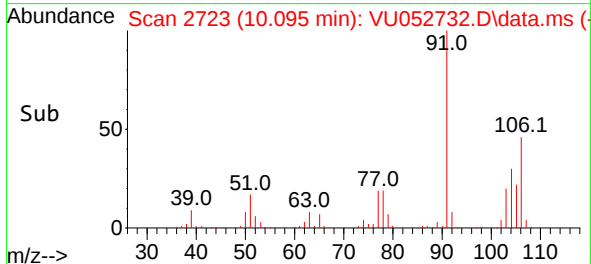
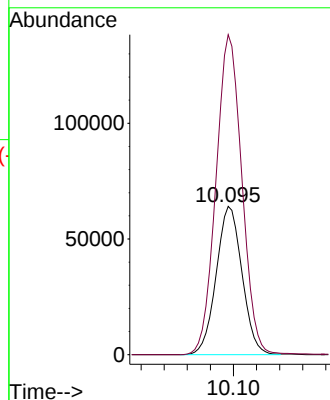
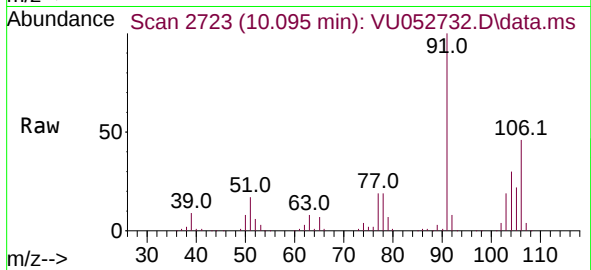
ClientSampleId :

Tgt Ion:106 Resp: 99553

Ion Ratio Lower Upper

106 100

91 215.8 148.7 276.1



#55

Styrene

Concen: 5.518 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU052732.D

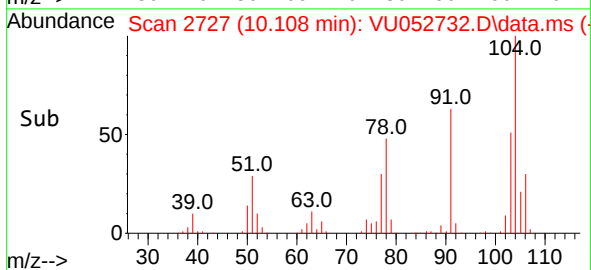
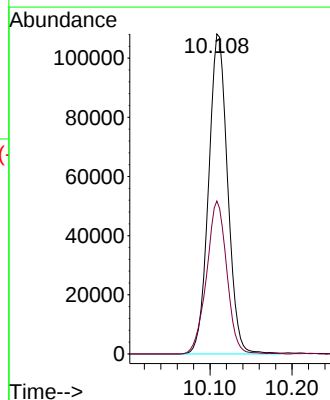
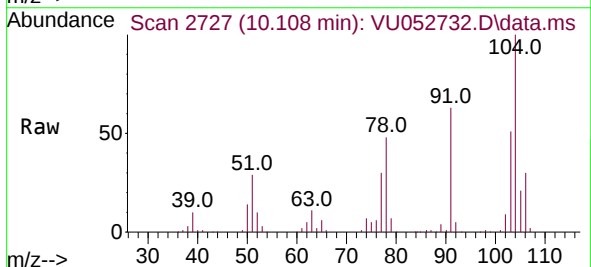
Acq: 17 Jan 2023 20:00

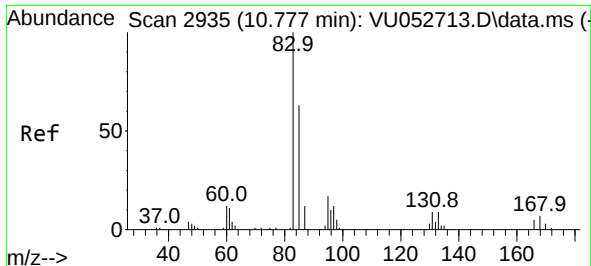
Tgt Ion:104 Resp: 174174

Ion Ratio Lower Upper

104 100

78 47.8 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.159 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

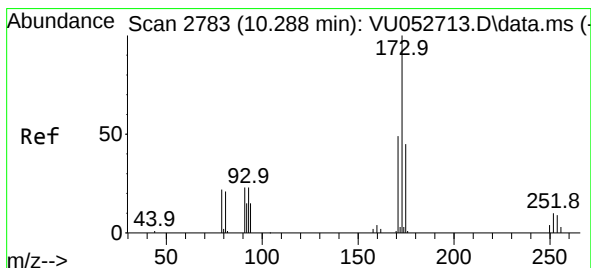
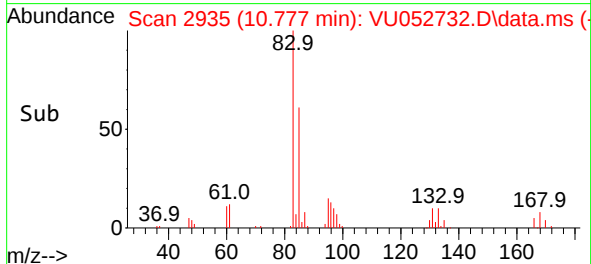
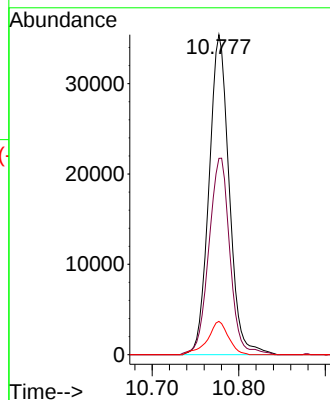
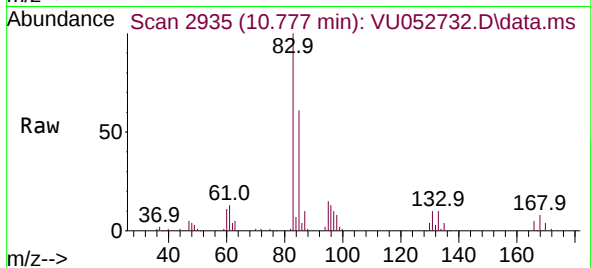
Tgt Ion: 83 Resp: 57280

Ion Ratio Lower Upper

83 100

85 61.3 43.7 81.1

131 10.4 7.0 10.6



#59

Bromoform

Concen: 5.605 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

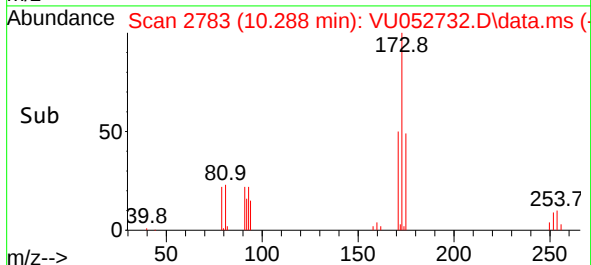
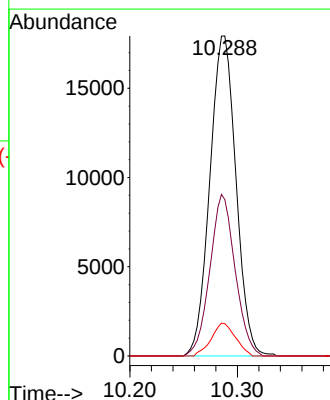
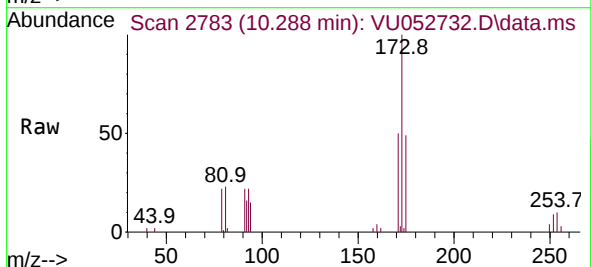
Tgt Ion:173 Resp: 30294

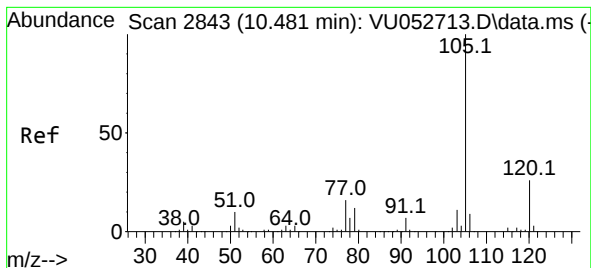
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

254 9.5 7.3 10.9





#60

Isopropylbenzene

Concen: 5.249 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU052732.D

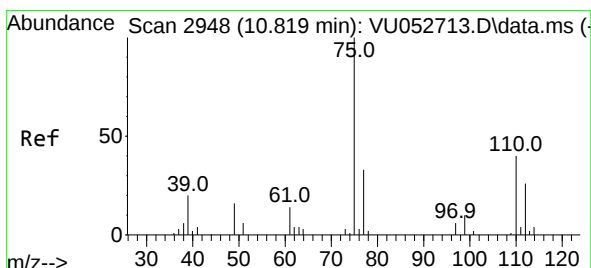
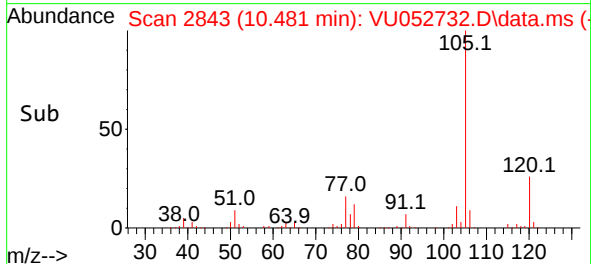
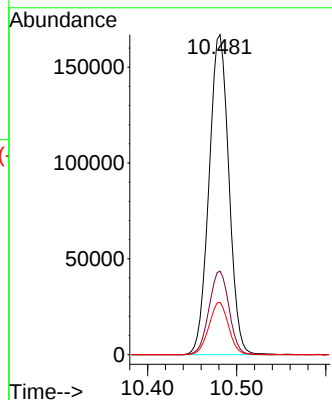
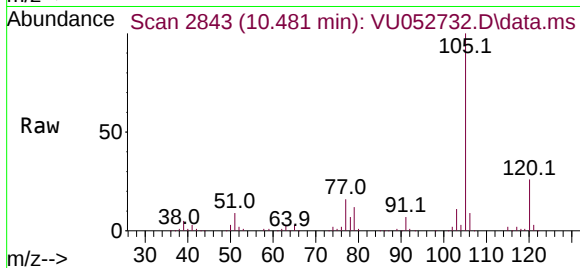
Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	258595
Ion Ratio	Lower	Upper	
105	100		
120	26.3	20.4	30.6
77	16.1	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 4.976 ug/L

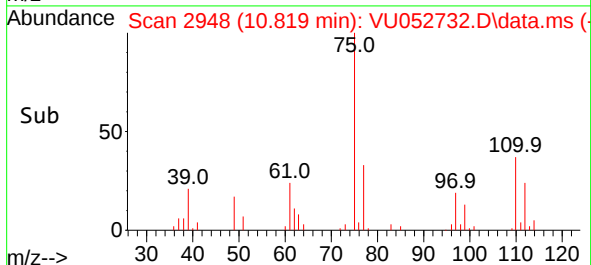
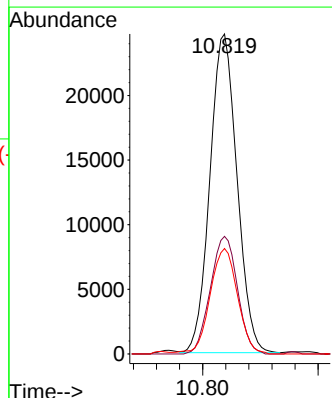
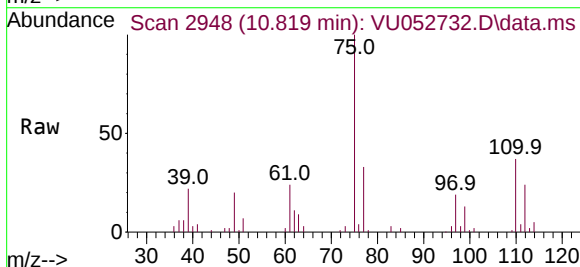
RT: 10.819 min Scan# 2948

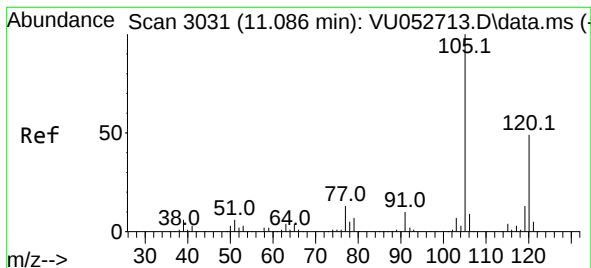
Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Tgt Ion:	75	Resp:	40191
Ion Ratio	Lower	Upper	
75	100		
110	36.8	27.2	40.8
77	33.6	24.0	36.0





#62

1,3,5-Trimethylbenzene

Concen: 5.329 ug/L

RT: 11.083 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

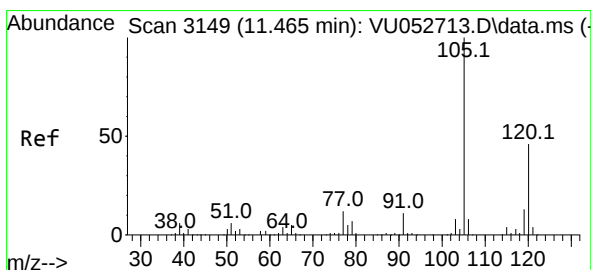
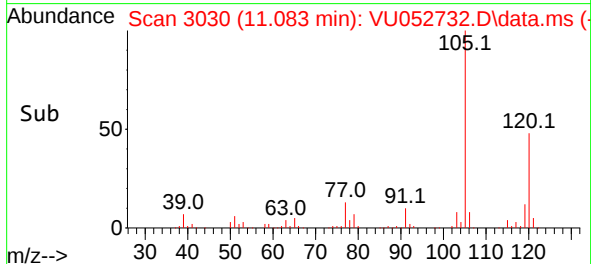
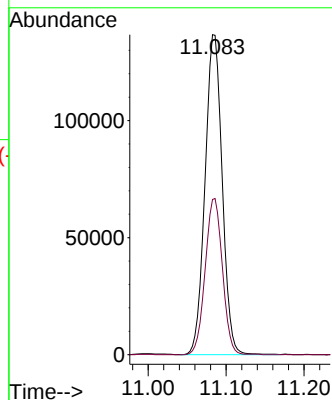
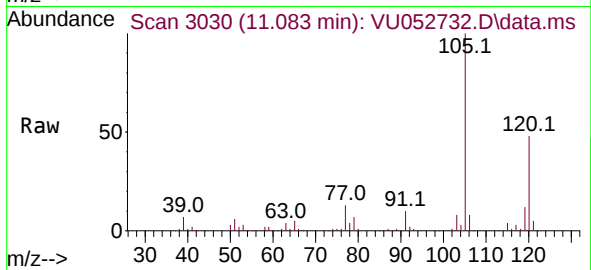
ClientSampleId :

Tgt Ion:105 Resp: 209407

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 5.249 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052732.D

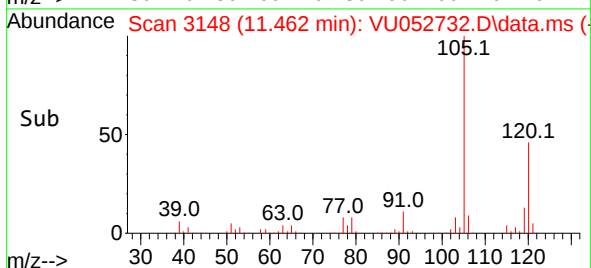
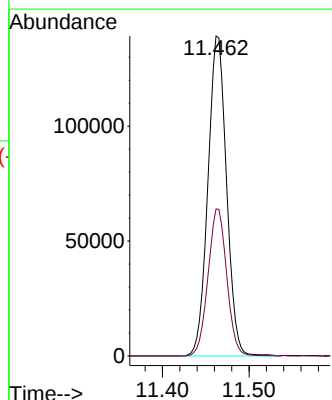
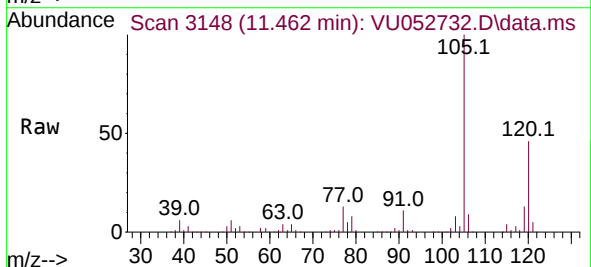
Acq: 17 Jan 2023 20:00

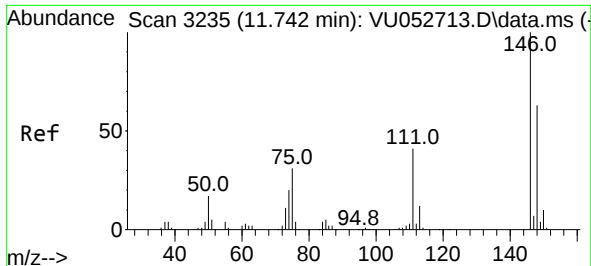
Tgt Ion:105 Resp: 207767

Ion Ratio Lower Upper

105 100

120 46.3 35.9 53.9

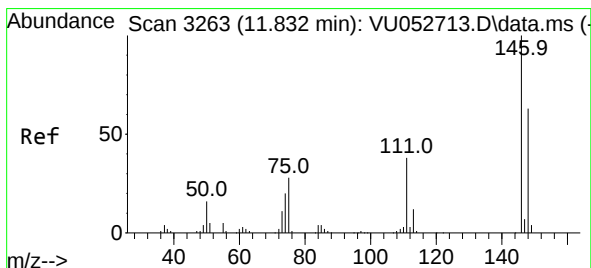
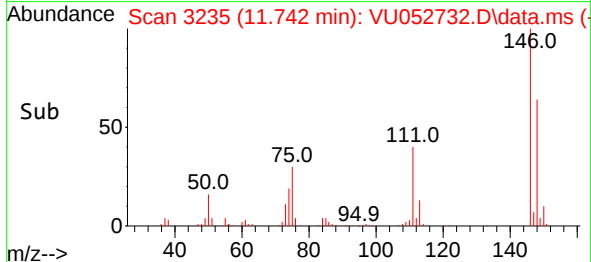
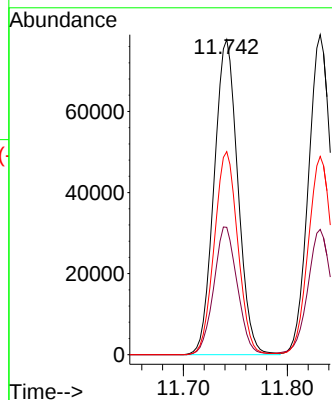
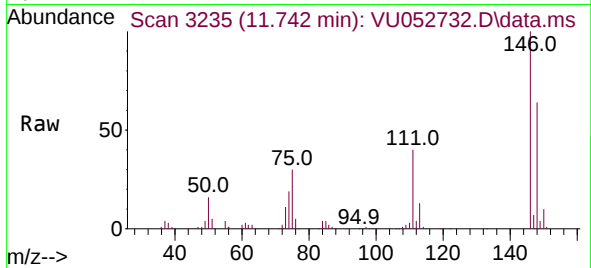




#64
1,3-Dichlorobenzene
Concen: 5.277 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

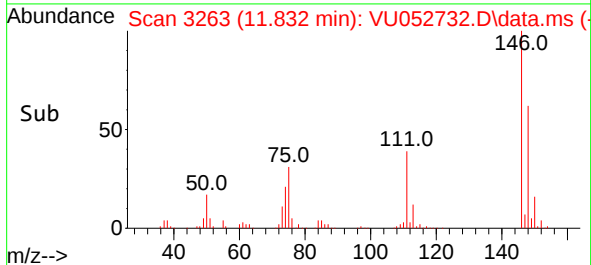
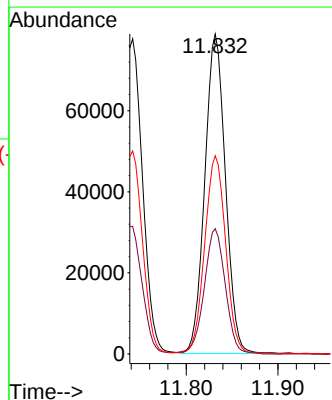
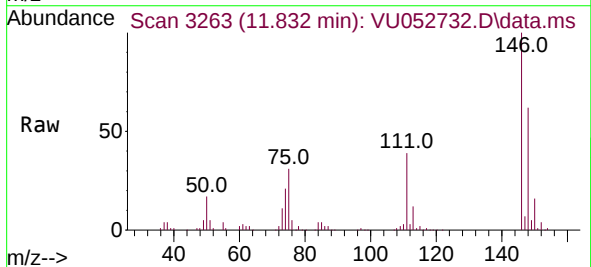
Instrument :
MSVOA_U
ClientSampleId :

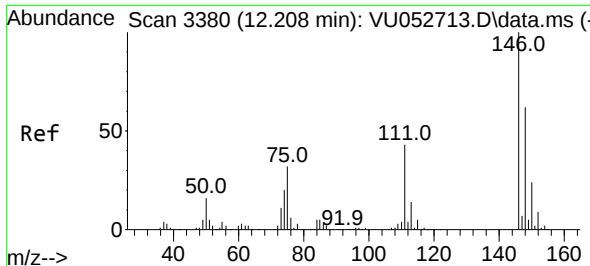
Tgt Ion:146 Resp: 123674
Ion Ratio Lower Upper
146 100
111 40.4 29.4 54.6
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.162 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052732.D
Acq: 17 Jan 2023 20:00

Tgt Ion:146 Resp: 123399
Ion Ratio Lower Upper
146 100
111 39.2 28.1 52.3
148 61.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.268 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

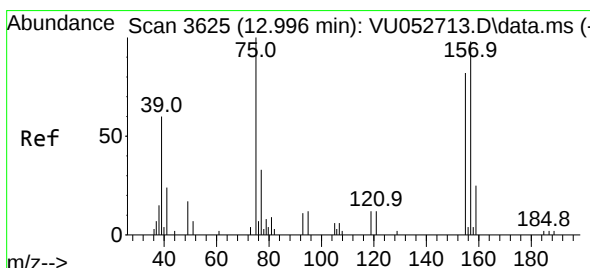
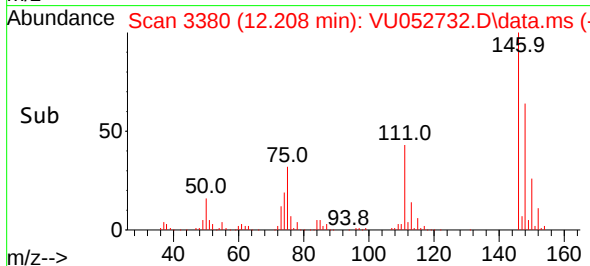
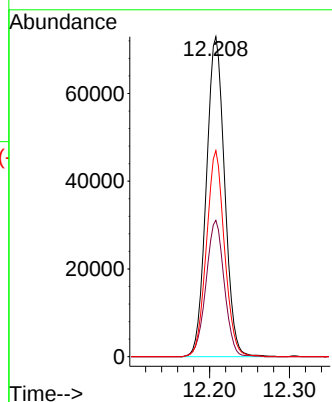
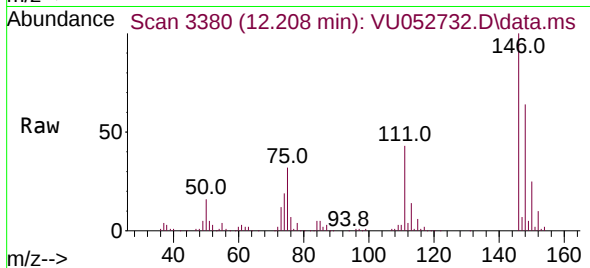
Tgt Ion:146 Resp: 116158

Ion Ratio Lower Upper

146 100

111 42.6 33.8 50.6

148 64.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.475 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.006 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

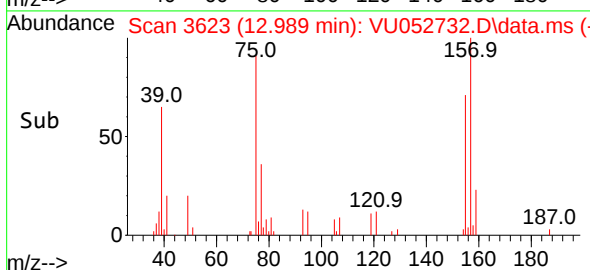
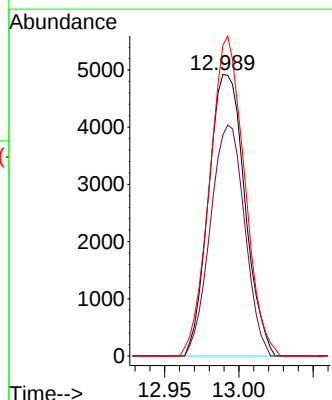
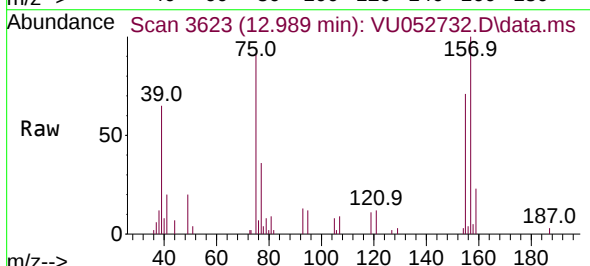
Tgt Ion: 75 Resp: 8337

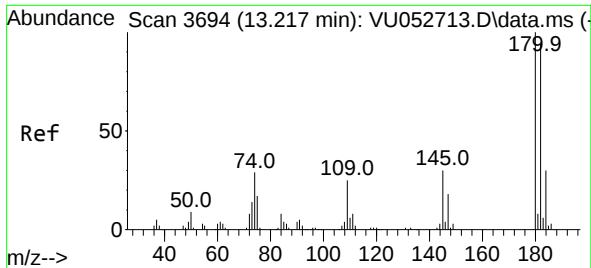
Ion Ratio Lower Upper

75 100

155 78.5 48.0 72.0#

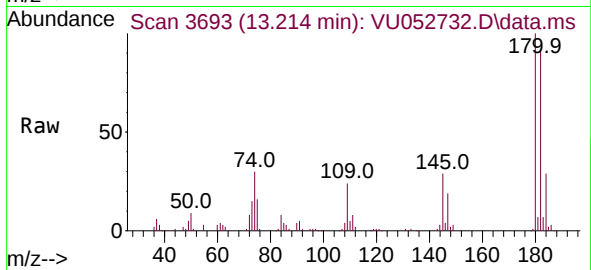
157 110.4 69.3 103.9#



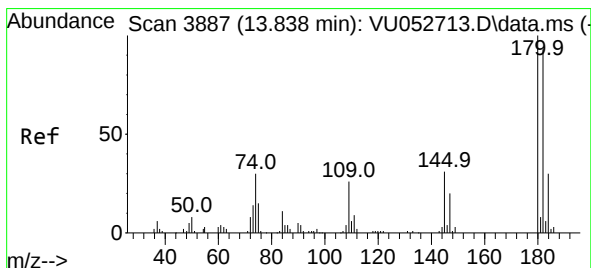
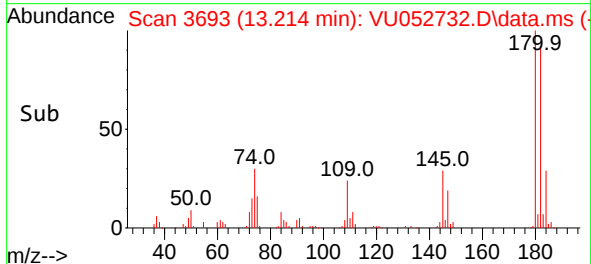
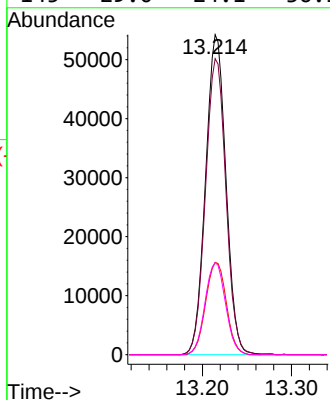


#69
 1,3,5-Trichlorobenzene
 Concen: 4.924 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.003 min
 Lab File: VU052732.D
 Acq: 17 Jan 2023 20:00

Instrument :
 MSVOA_U
 ClientSampleId :

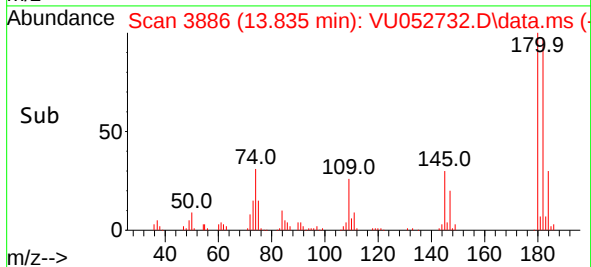
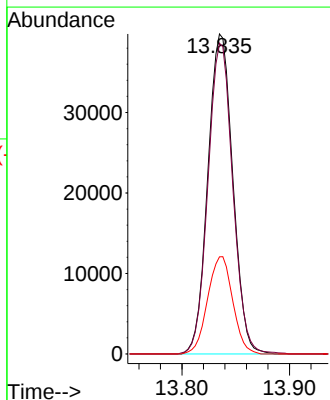
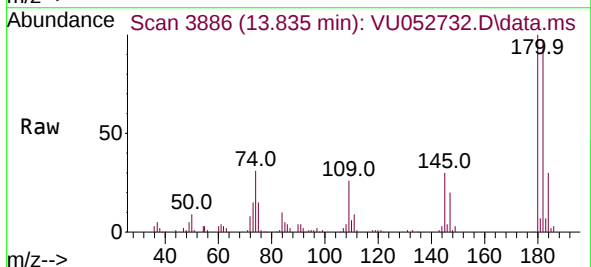


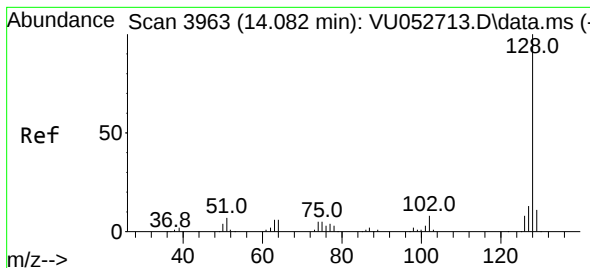
Tgt Ion:180 Resp: 85720
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.1 112.7
 184 29.4 23.6 35.4
 145 29.0 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.593 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.003 min
 Lab File: VU052732.D
 Acq: 17 Jan 2023 20:00

Tgt Ion:180 Resp: 64125
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.5 116.3
 145 30.5 25.3 37.9





#71

Naphthalene

Concen: 4.373 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

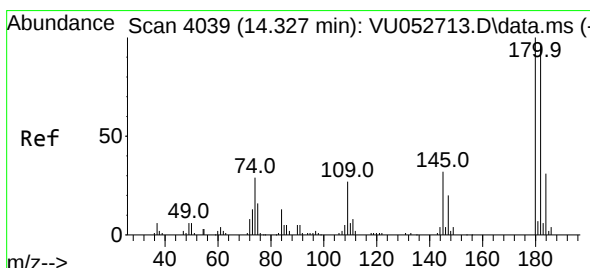
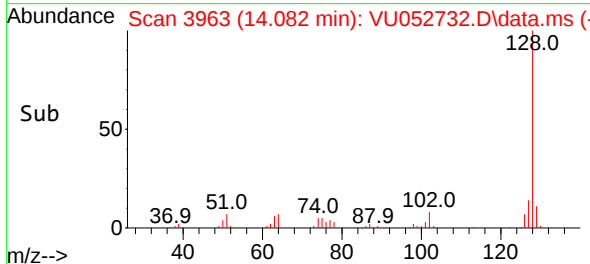
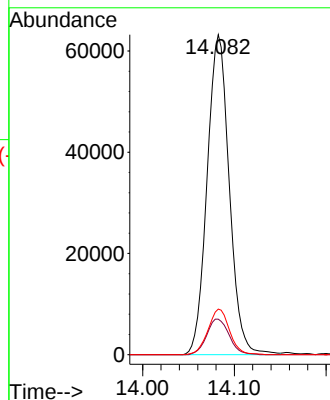
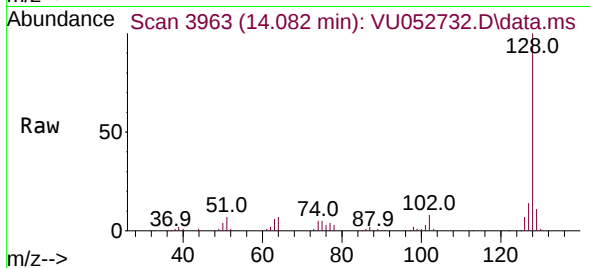
Tgt Ion:128 Resp: 105985

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

127 13.9 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.802 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU052732.D

Acq: 17 Jan 2023 20:00

Tgt Ion:180 Resp: 61418

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 31.4 26.5 39.7

