

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053492.D
 Acq On : 31 Mar 2023 14:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 05:03:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	284009	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	265924	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	146183	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	104769	47.375	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.760%
7) Chloroethane-d5	1.909	69	84124	49.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.680%
11) 1,1-Dichloroethene-d2	2.565	63	163455	47.748	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.500%
21) 2-Butanone-d5	4.610	46	109492	109.355	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.350%
24) Chloroform-d	5.057	84	187590	51.291	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.580%
26) 1,2-Dichloroethane-d4	5.697	65	115316	53.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.720%
32) Benzene-d6	5.723	84	368662	51.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.720%
36) 1,2-Dichloropropane-d6	6.684	67	113288	51.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.280%
41) Toluene-d8	7.893	98	363516	50.953	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.900%
43) trans-1,3-Dichloroprop...	8.173	79	58679	51.813	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.620%
47) 2-Hexanone-d5	8.626	63	82293	109.903	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.900%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	164894	53.324	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.640%
66) 1,2-Dichlorobenzene-d4	12.189	152	159900	52.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	107405	46.594	ug/L	99
3) Chloromethane	1.520	50	94254	49.760	ug/L	99
5) Vinyl chloride	1.604	62	103678	47.230	ug/L	99
6) Bromomethane	1.851	94	82551	51.683	ug/L	99
8) Chloroethane	1.929	64	65159	49.352	ug/L	95
9) Trichlorofluoromethane	2.138	101	162754	48.204	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	93795	47.966	ug/L	99
12) 1,1-Dichloroethene	2.578	96	83761	48.064	ug/L	95
13) Acetone	2.617	43	77278	85.881	ug/L	97
14) Carbon disulfide	2.790	76	230183	49.932	ug/L	96
15) Methyl Acetate	2.941	43	76115	55.225	ug/L	96
16) Methylene chloride	3.041	84	96563	49.298	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	90522	51.685	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	273333	53.542	ug/L	99
19) 1,1-Dichloroethane	3.864	63	149148	51.409	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	104769	51.790	ug/L	99
22) 2-Butanone	4.691	43	109122	100.099	ug/L	94
23) Bromochloromethane	4.967	128	59477	52.783	ug/L	98
25) Chloroform	5.083	83	173542	52.152	ug/L	100

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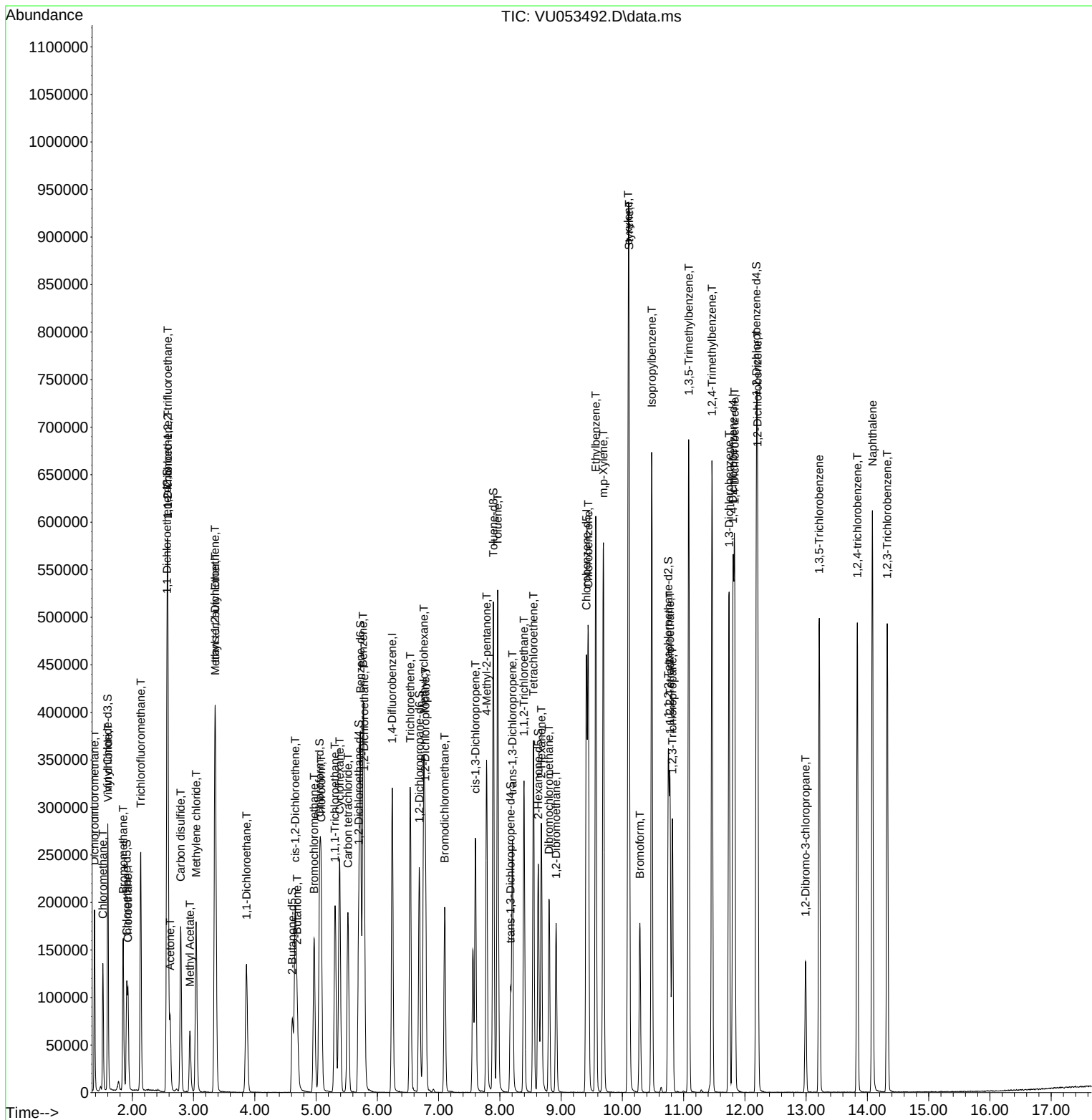
Instrument :
 MSVOA_W
 ClientSampleId :

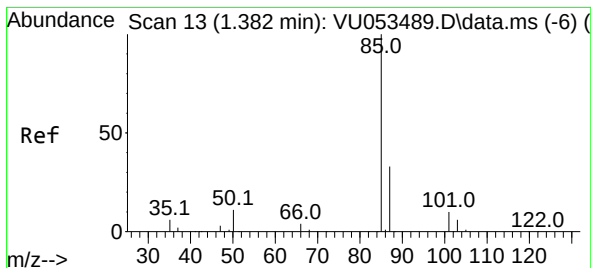
Quant Time: Apr 01 05:03:48 2023
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 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	129535	53.155	ug/L	99
29) Cyclohexane	5.382	56	123118	48.093	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	147015	50.173	ug/L	100
31) Carbon tetrachloride	5.520	117	128402	48.910	ug/L	100
33) Benzene	5.768	78	355663	51.333	ug/L	100
34) Trichloroethene	6.536	95	103834	49.550	ug/L	97
35) Methylcyclohexane	6.758	83	146237	47.475	ug/L	100
37) 1,2-Dichloropropane	6.784	63	92175	52.394	ug/L	99
38) Bromodichloromethane	7.099	83	123981	52.827	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	159713	55.555	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	210656	110.189	ug/L	99
42) Toluene	7.964	91	402539	51.268	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	148207	54.533	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	104829	54.273	ug/L	99
46) Tetrachloroethene	8.549	164	84390	48.530	ug/L	97
48) 2-Hexanone	8.678	43	165946	107.307	ug/L	98
49) Dibromochloromethane	8.803	129	109927	54.734	ug/L	98
50) 1,2-Dibromoethane	8.919	107	118520	54.845	ug/L	99
51) Chlorobenzene	9.443	112	276253	51.065	ug/L	99
52) Ethylbenzene	9.565	91	439542	50.288	ug/L	100
53) m,p-Xylene	9.690	106	175058	51.211	ug/L	98
54) o-xylene	10.096	106	176137	52.115	ug/L	100
55) Styrene	10.108	104	295349	53.652	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	152096	53.632	ug/L	97
59) Bromoform	10.285	173	83924	56.089	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	118358	55.840	ug/L	99
61) Isopropylbenzene	10.478	105	446668	51.681	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	377650	52.564	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	375679	52.794	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	234986	52.033	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	239741	52.087	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	238081	52.896	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	31267	55.334	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	168010	50.238	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	161282	52.017	ug/L	100
71) Naphthalene	14.083	128	519103	55.935	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	164275	53.045	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 46.594 ug/L

RT: 1.382 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

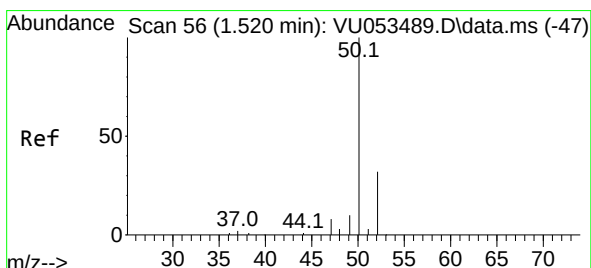
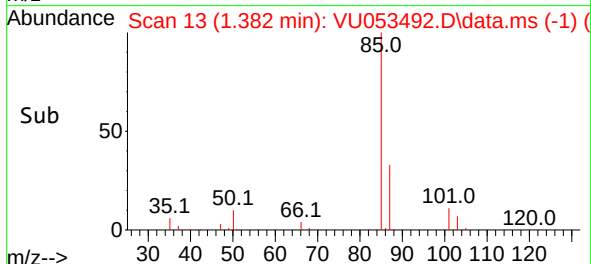
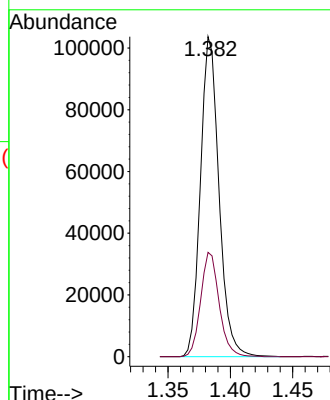
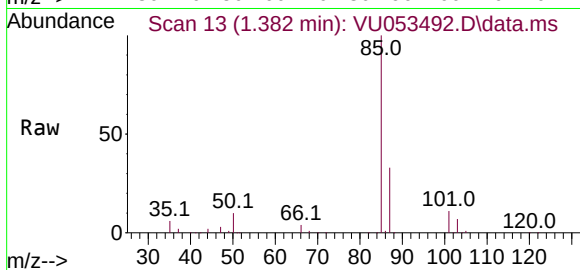
ClientSampleId :

Tgt Ion: 85 Resp: 107405

Ion Ratio Lower Upper

85 100

87 32.4 26.4 39.6



#3

Chloromethane

Concen: 49.760 ug/L

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU053492.D

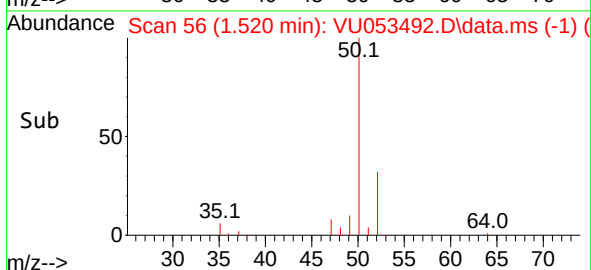
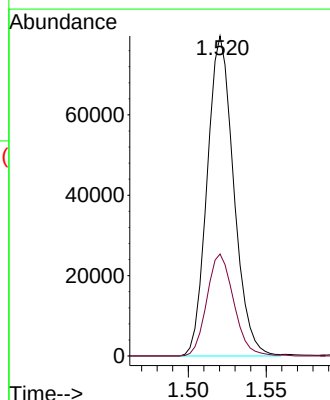
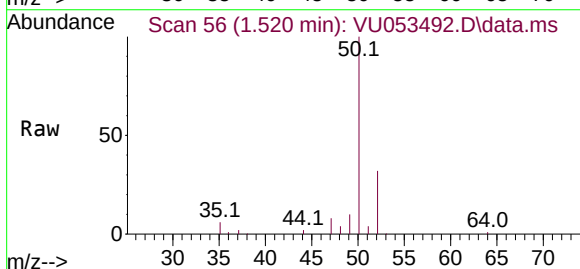
Acq: 31 Mar 2023 14:51

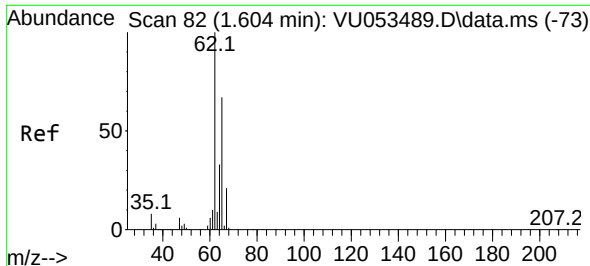
Tgt Ion: 50 Resp: 94254

Ion Ratio Lower Upper

50 100

52 31.9 22.7 42.1

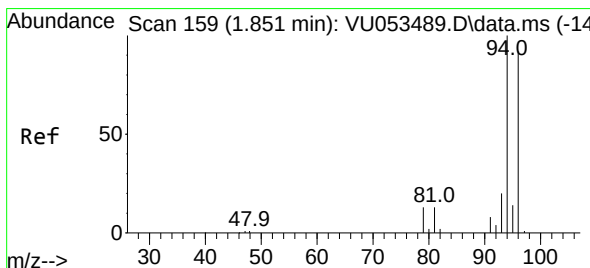
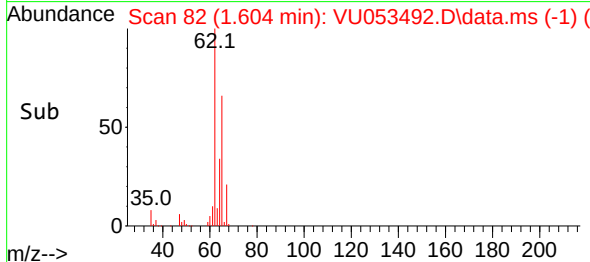
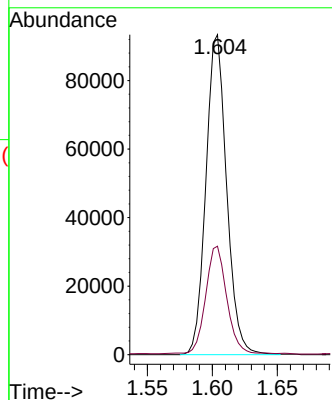
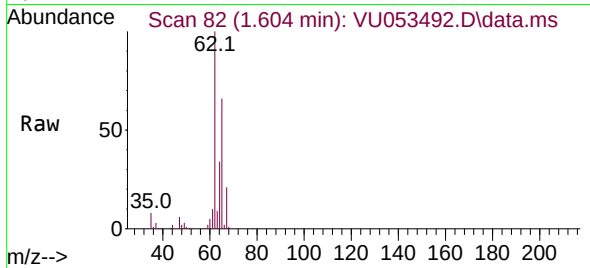




#5
 Vinyl chloride
 Concen: 47.230 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

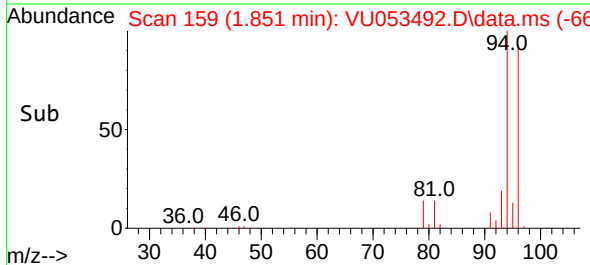
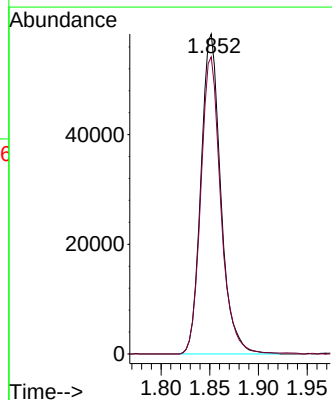
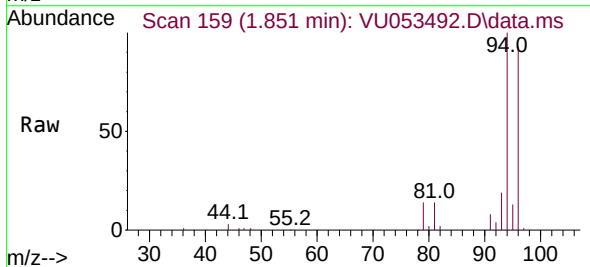
Instrument :
 MSVOA_W
 ClientSampleId :

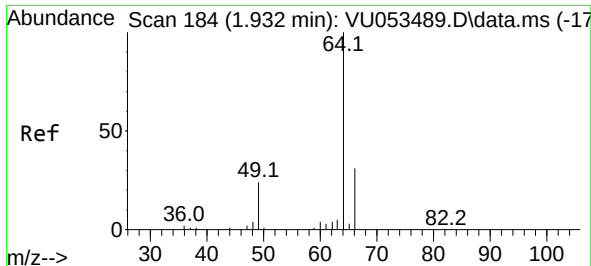
Tgt Ion: 62 Resp: 103678
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.2 43.0



#6
 Bromomethane
 Concen: 51.683 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

Tgt Ion: 94 Resp: 82551
 Ion Ratio Lower Upper
 94 100
 96 92.8 64.4 119.6

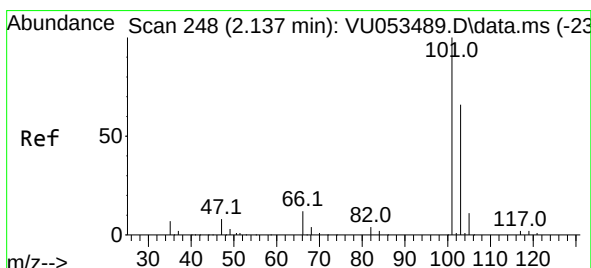
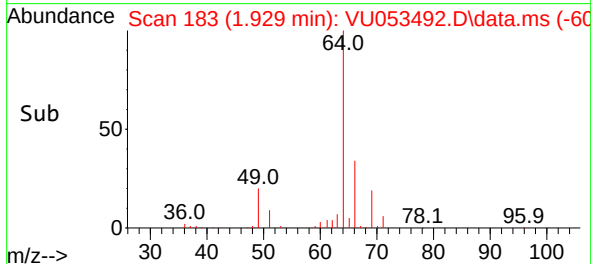
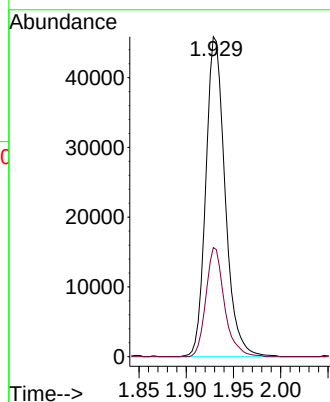
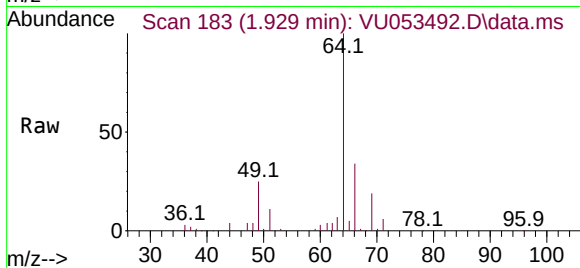




#8
Chloroethane
Concen: 49.352 ug/L
RT: 1.929 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

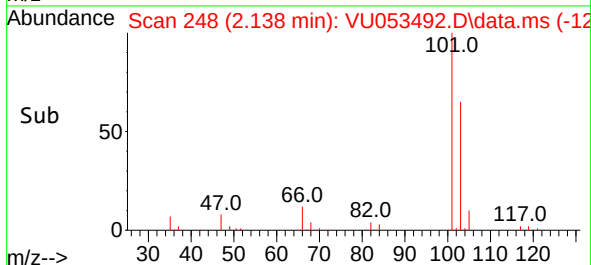
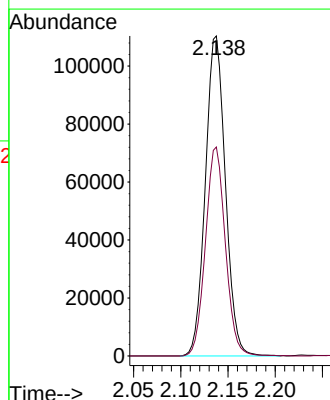
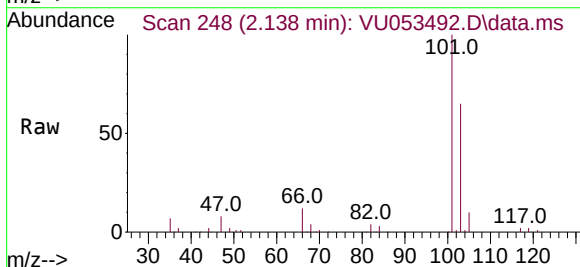
Instrument :
MSVOA_W
ClientSampleId :

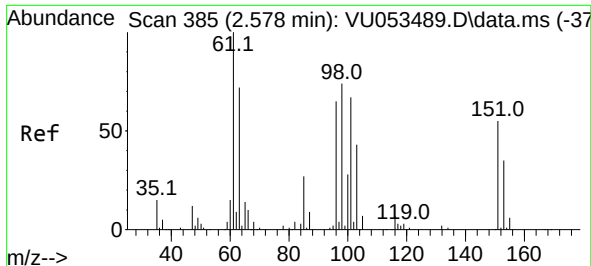
Tgt Ion: 64 Resp: 65159
Ion Ratio Lower Upper
64 100
66 34.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 48.204 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion:101 Resp: 162754
Ion Ratio Lower Upper
101 100
103 64.9 52.5 78.7

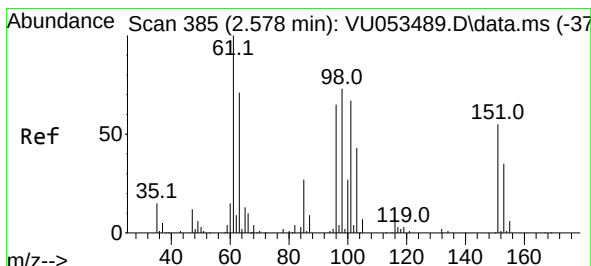
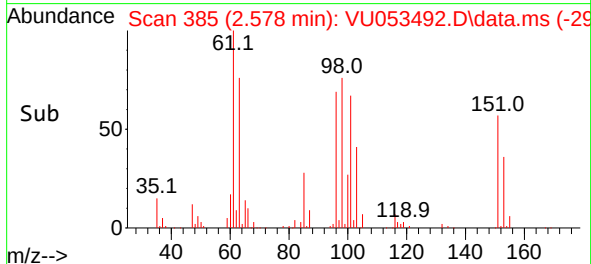
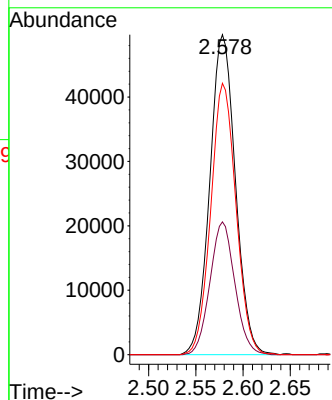
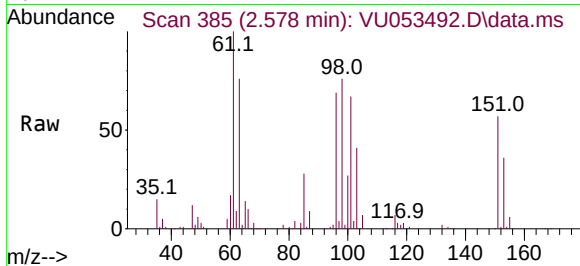




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.966 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

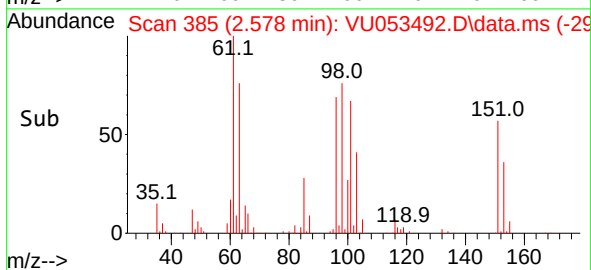
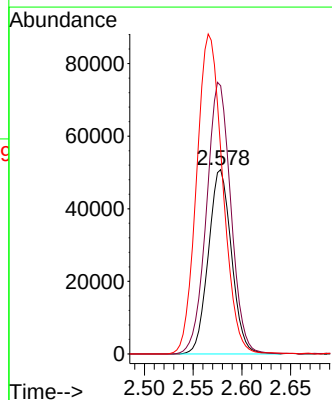
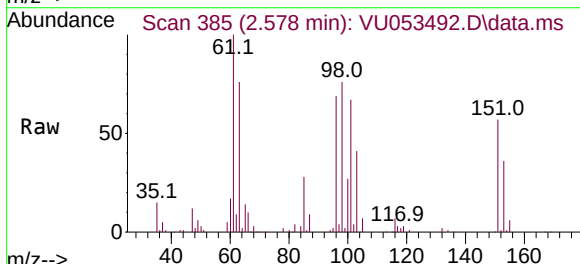
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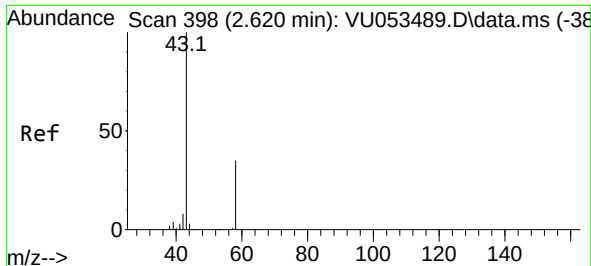
Tgt Ion:	101	Resp:	93795
Ion Ratio	Lower	Upper	
101	100		
85	40.2	32.6	48.8
151	83.3	65.8	98.6



#12
 1,1-Dichloroethene
 Concen: 48.064 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

Tgt Ion:	96	Resp:	83761
Ion Ratio	Lower	Upper	
96	100		
61	145.6	107.9	200.5
63	110.8	79.1	146.9





#13

Acetone

Concen: 85.881 ug/L

RT: 2.617 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

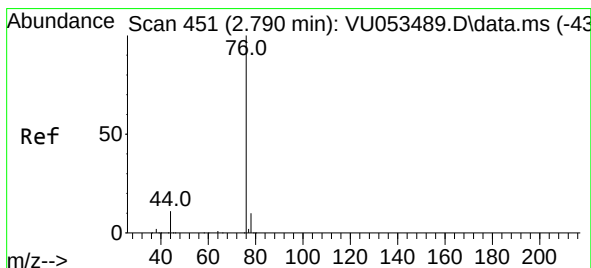
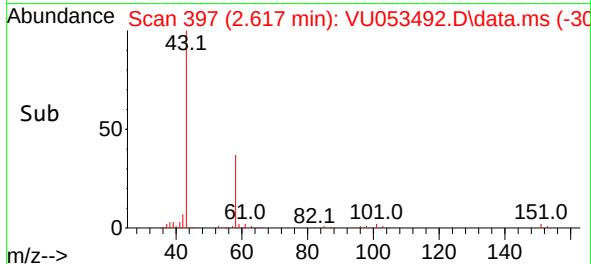
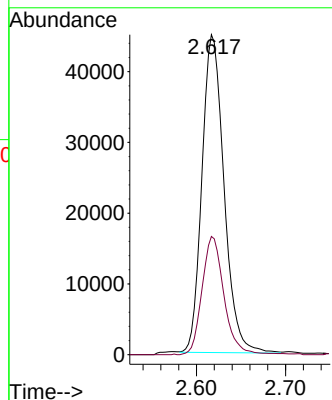
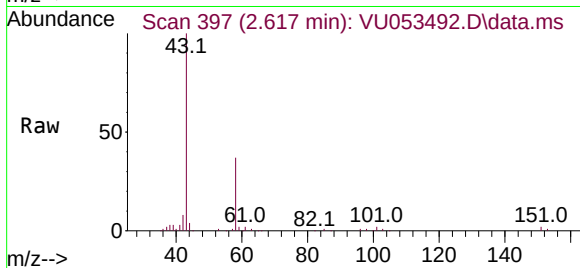
ClientSampleId :

Tgt Ion: 43 Resp: 77278

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.2



#14

Carbon disulfide

Concen: 49.932 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053492.D

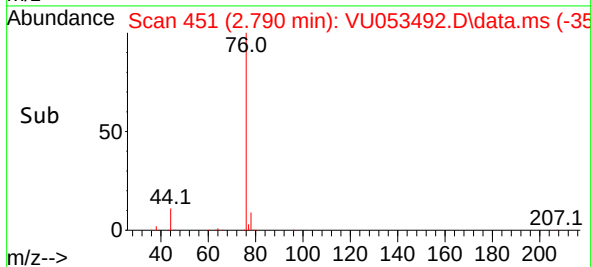
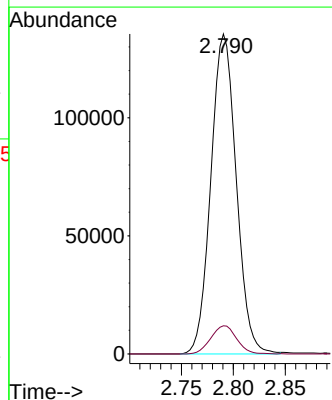
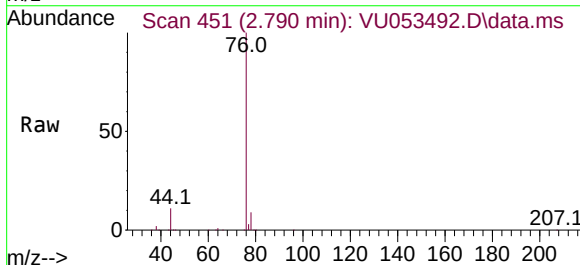
Acq: 31 Mar 2023 14:51

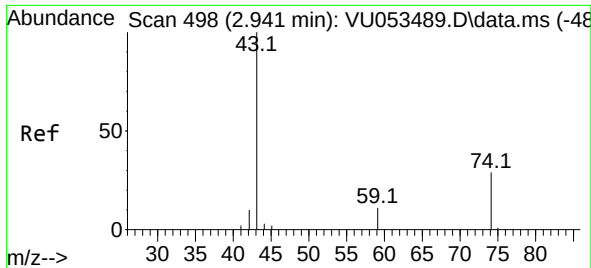
Tgt Ion: 76 Resp: 230183

Ion Ratio Lower Upper

76 100

78 8.8 8.2 12.2

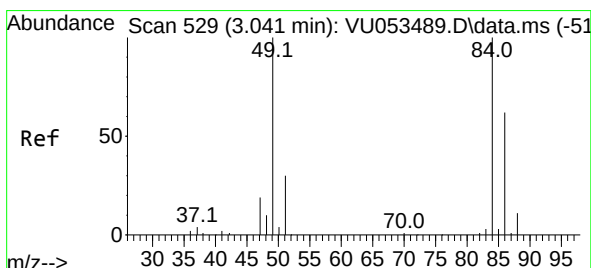
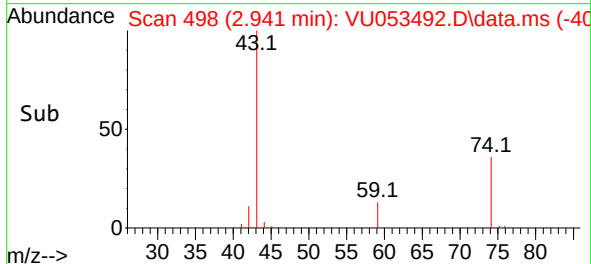
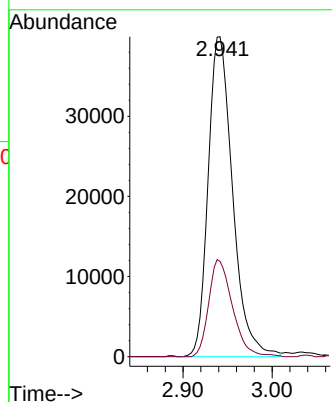
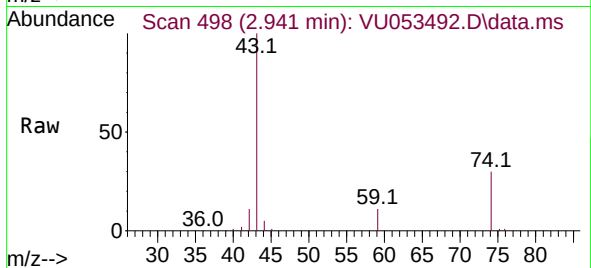




#15
Methyl Acetate
Concen: 55.225 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

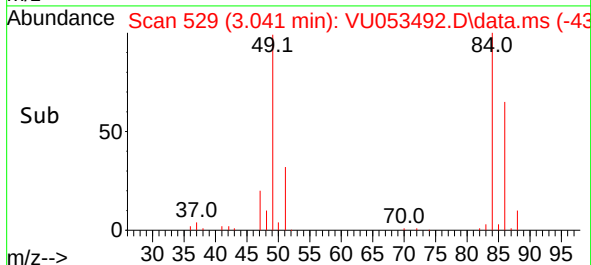
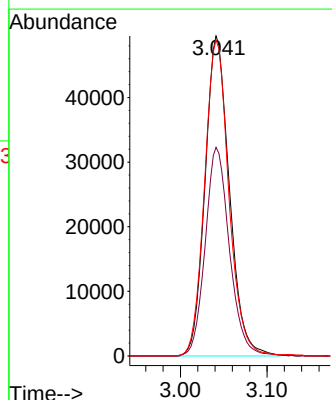
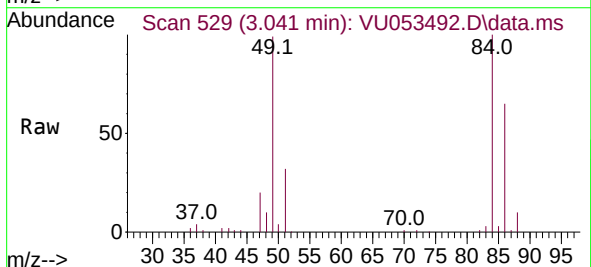
Instrument :
MSVOA_W
ClientSampleId :

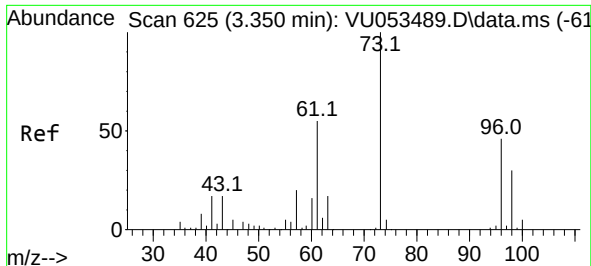
Tgt Ion: 43 Resp: 76115
Ion Ratio Lower Upper
43 100
74 29.4 22.0 33.0



#16
Methylene chloride
Concen: 49.298 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

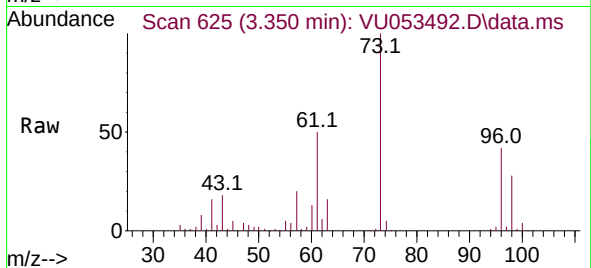
Tgt Ion: 84 Resp: 96563
Ion Ratio Lower Upper
84 100
86 65.2 43.5 80.9
49 98.7 69.7 129.5



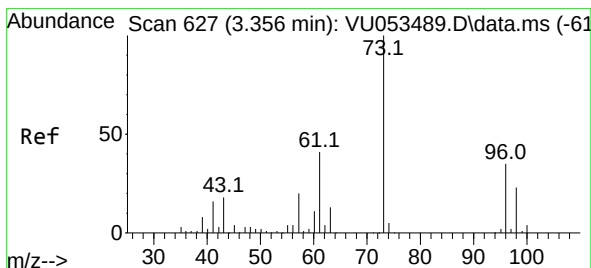
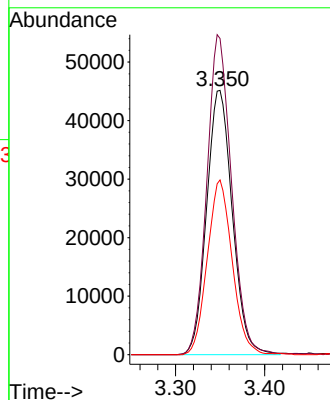
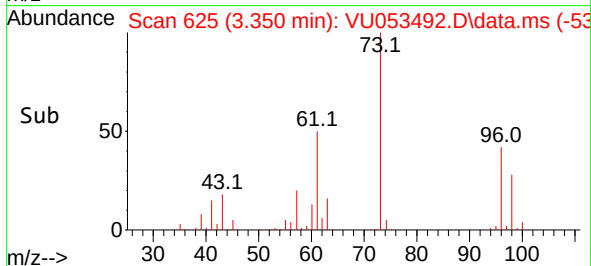


#17
trans-1,2-Dichloroethene
Concen: 51.685 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

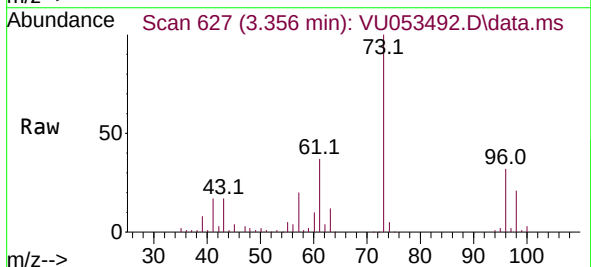
Instrument :
MSVOA_W
ClientSampleId :



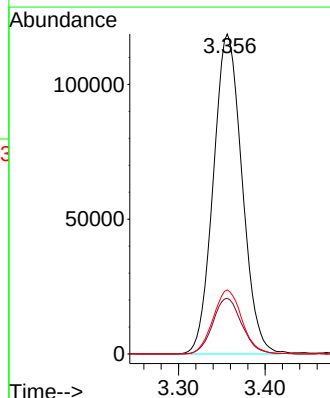
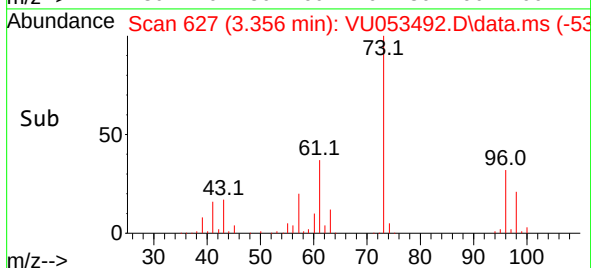
Tgt Ion: 96 Resp: 90522
Ion Ratio Lower Upper
96 100
61 119.6 84.4 156.8
98 66.1 46.0 85.4

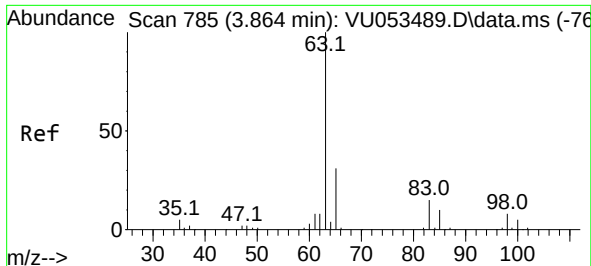


#18
Methyl tert-butyl Ether
Concen: 53.542 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51



Tgt Ion: 73 Resp: 273333
Ion Ratio Lower Upper
73 100
43 17.7 13.8 20.8
57 20.1 15.9 23.9





#19

1,1-Dichloroethane

Concen: 51.409 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

ClientSampleId :

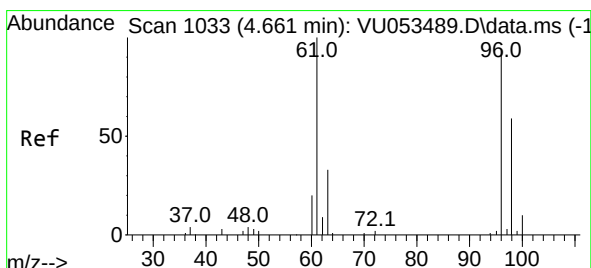
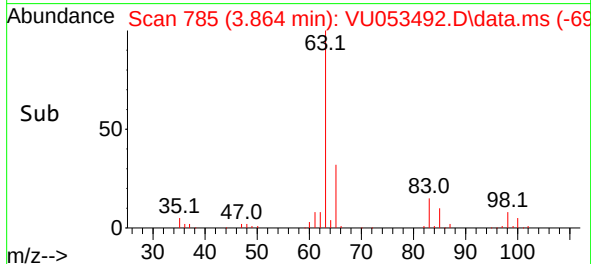
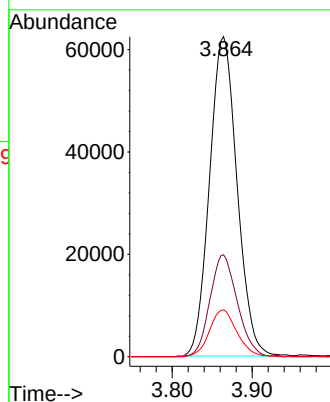
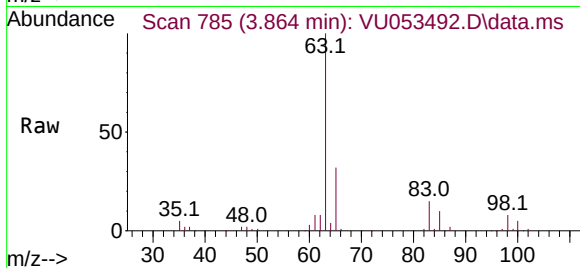
Tgt Ion: 63 Resp: 149148

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 14.6 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 51.790 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

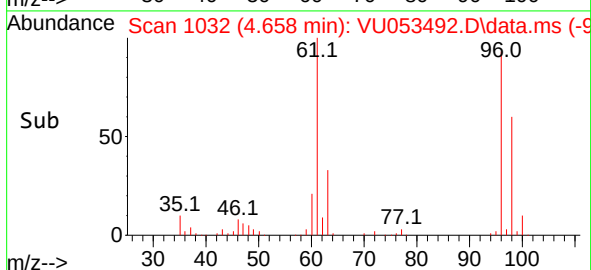
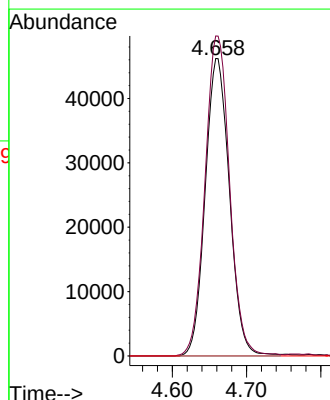
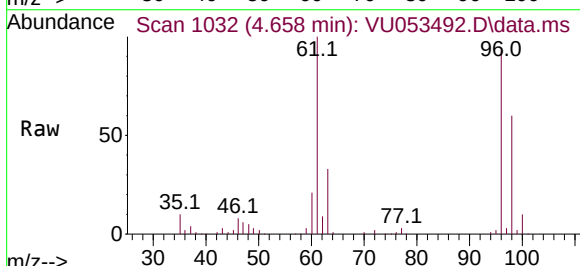
Tgt Ion: 96 Resp: 104769

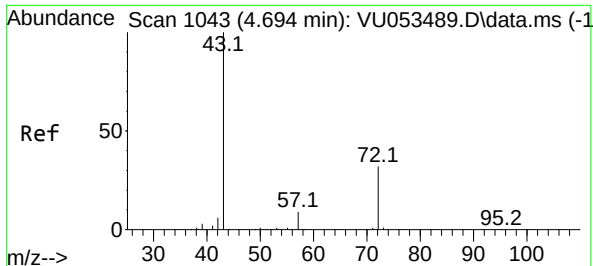
Ion Ratio Lower Upper

96 100

61 107.6 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.099 ug/L

RT: 4.691 min Scan# 1042

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

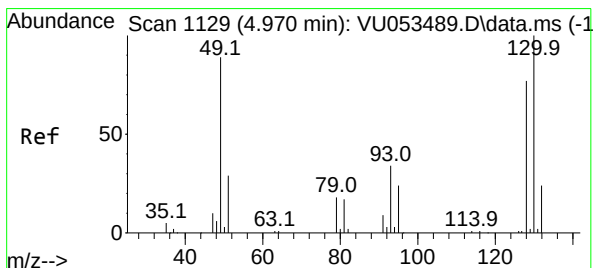
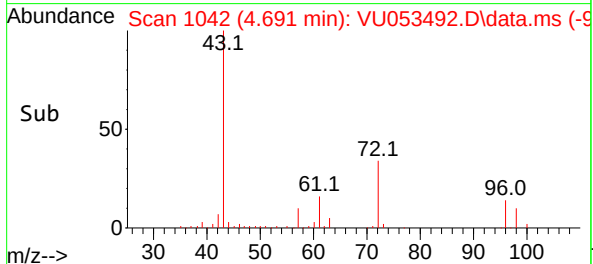
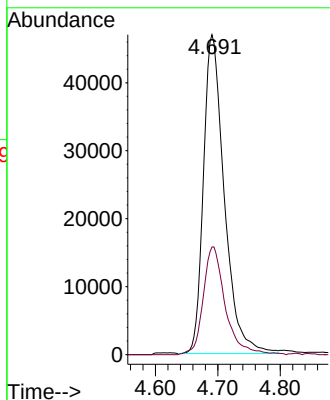
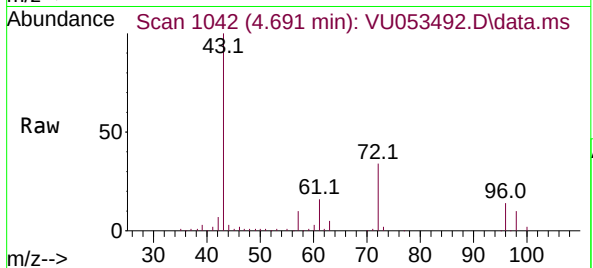
ClientSampleId :

Tgt Ion: 43 Resp: 109122

Ion Ratio Lower Upper

43 100

72 35.0 15.8 47.3



#23

Bromochloromethane

Concen: 52.783 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Tgt Ion:128 Resp: 59477

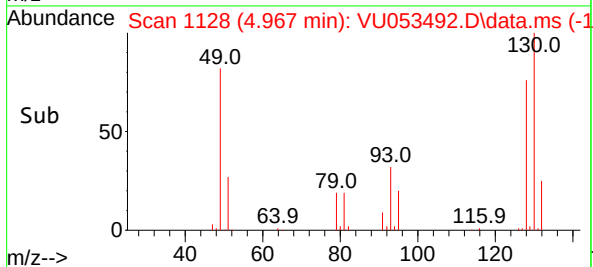
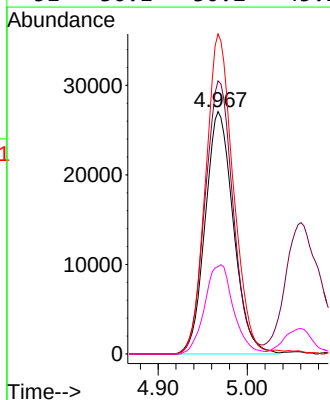
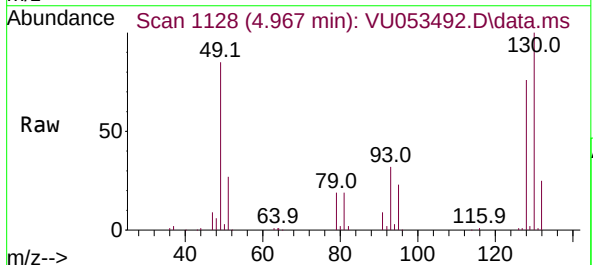
Ion Ratio Lower Upper

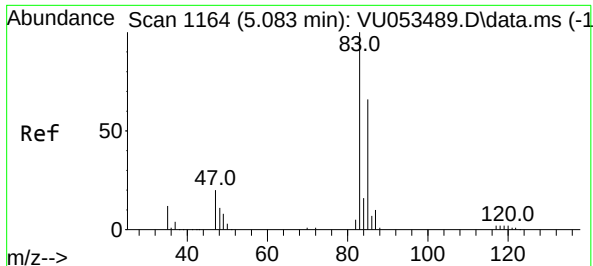
128 100

49 112.7 81.5 151.3

130 132.0 91.8 170.4

51 36.1 30.2 45.2

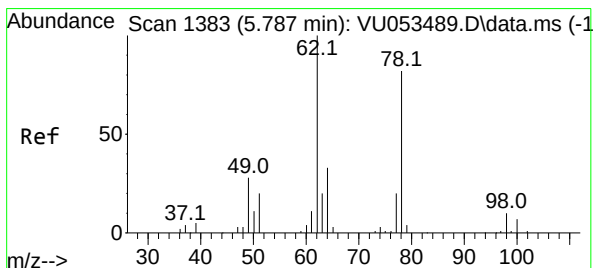
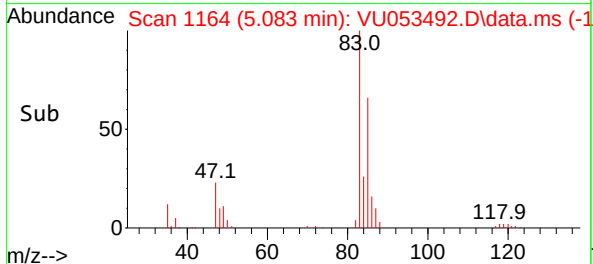
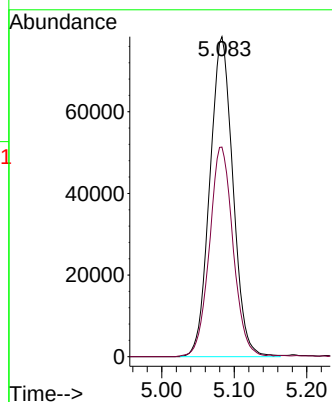
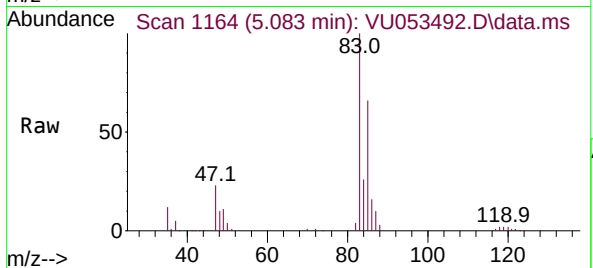




#25
Chloroform
Concen: 52.152 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

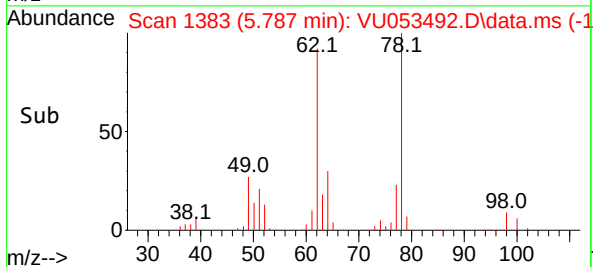
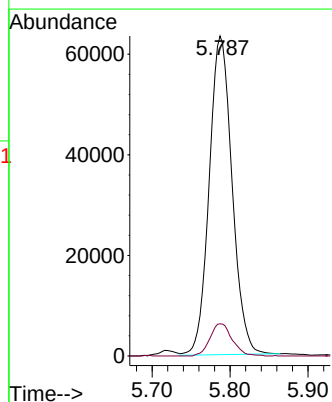
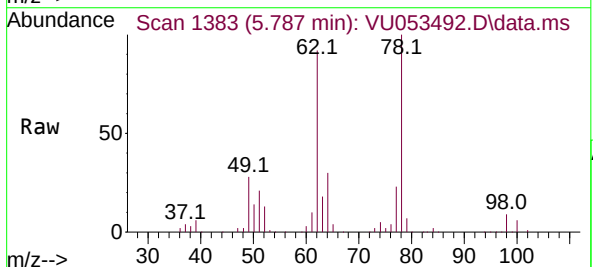
Instrument :
MSVOA_W
ClientSampleId :

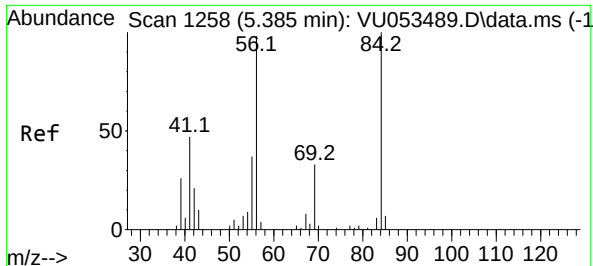
Tgt Ion: 83 Resp: 173542
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 53.155 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion: 62 Resp: 129535
Ion Ratio Lower Upper
62 100
98 10.1 8.3 12.5





#29

Cyclohexane

Concen: 48.093 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

ClientSampleId :

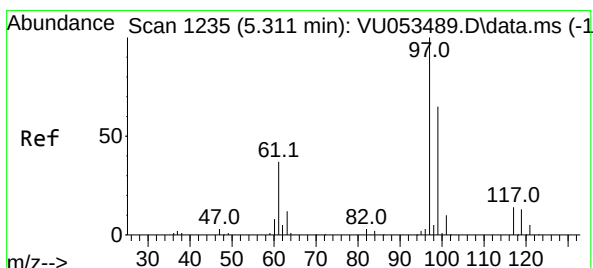
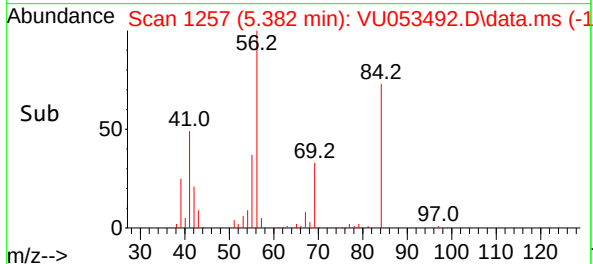
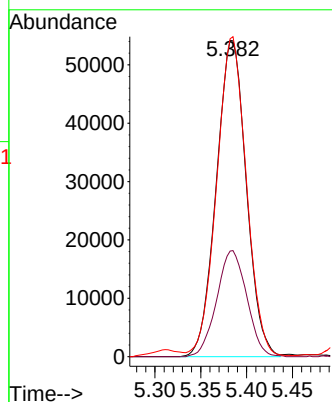
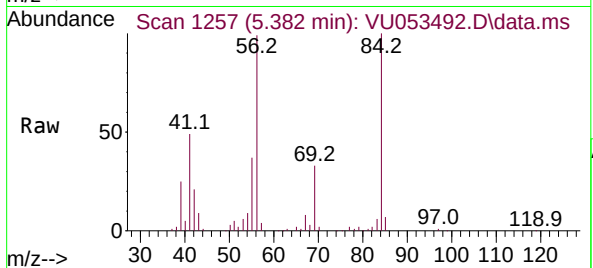
Tgt Ion: 56 Resp: 123118

Ion Ratio Lower Upper

56 100

69 33.6 27.3 40.9

84 99.2 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 50.173 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

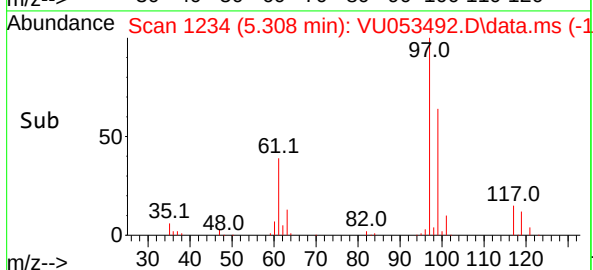
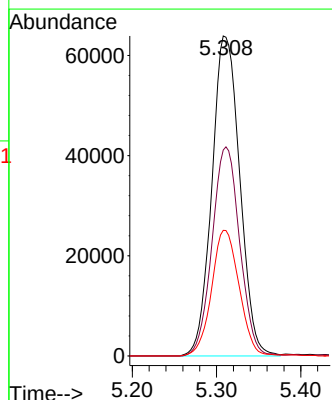
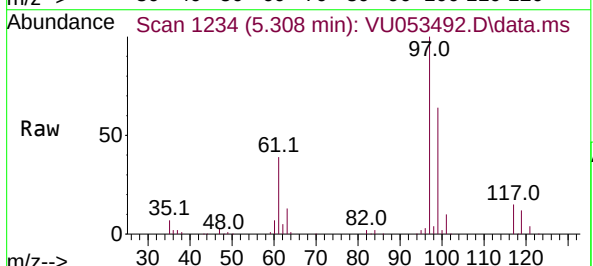
Tgt Ion: 97 Resp: 147015

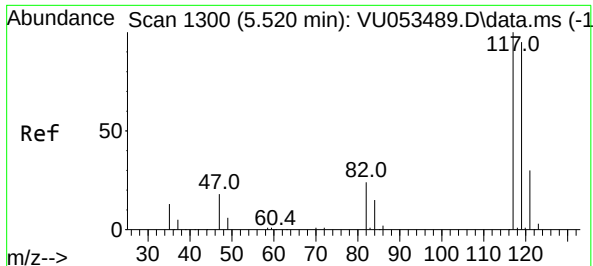
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 38.7 31.0 46.4

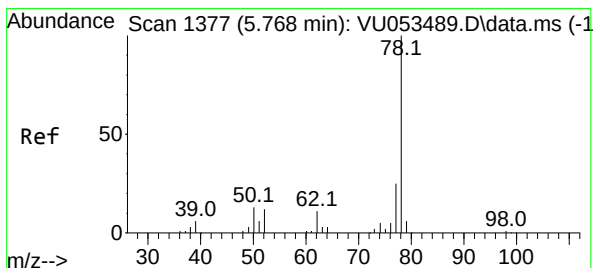
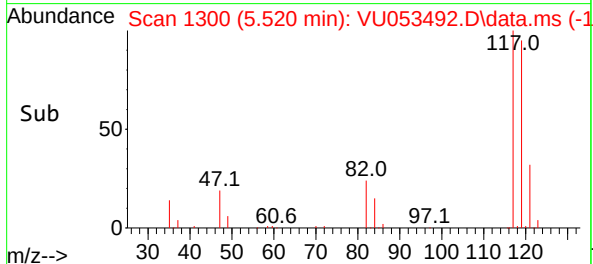
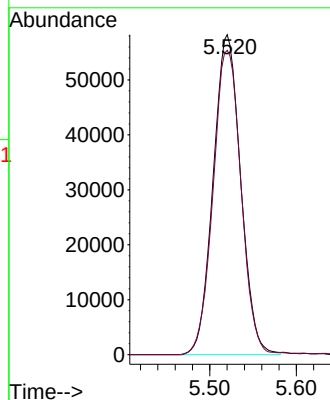
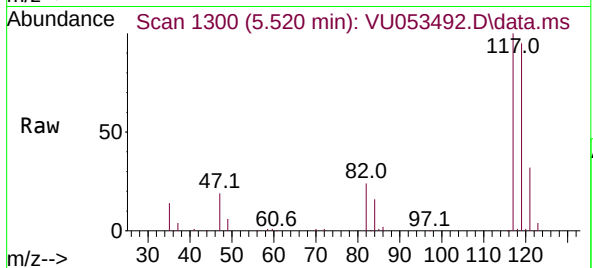




#31
Carbon tetrachloride
Concen: 48.910 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

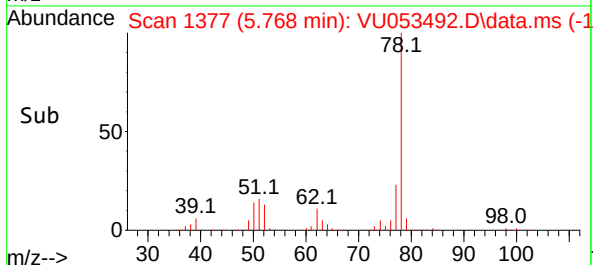
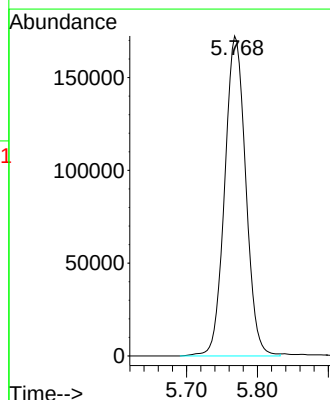
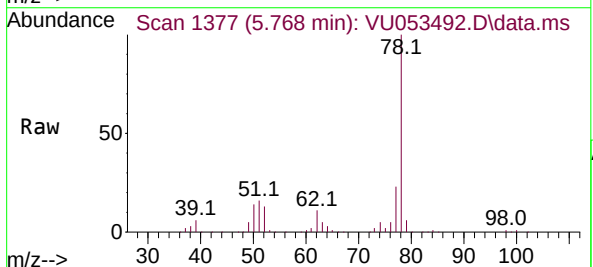
Instrument :
MSVOA_W
ClientSampleId :

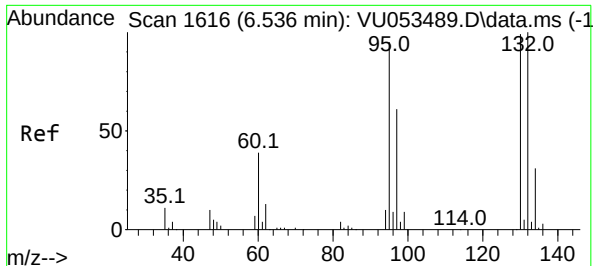
Tgt Ion:117 Resp: 128402
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3



#33
Benzene
Concen: 51.333 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion: 78 Resp: 355663





#34

Trichloroethene

Concen: 49.550 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

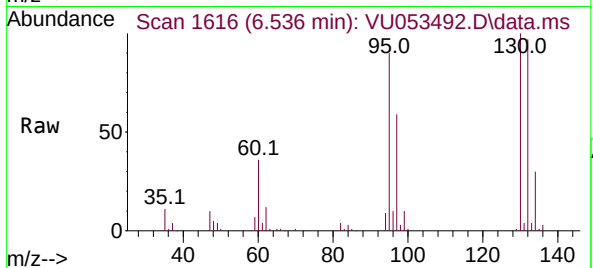
Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 103834

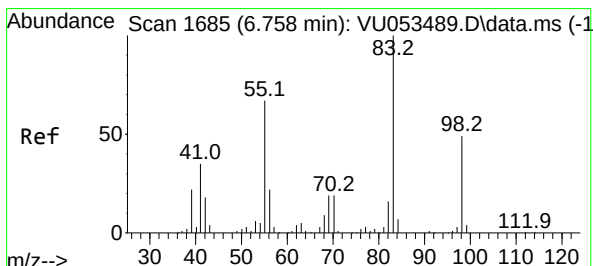
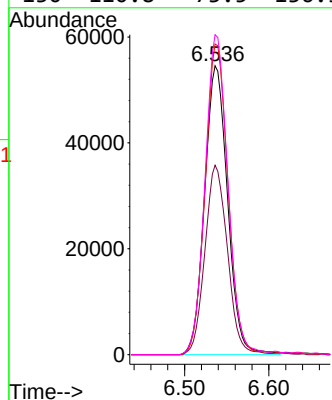
Ion Ratio Lower Upper

95 100

97 65.6 45.1 83.7

132 107.6 74.1 137.5

130 110.8 73.5 136.5



#35

Methylcyclohexane

Concen: 47.475 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

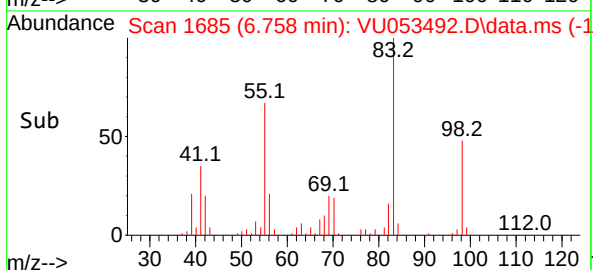
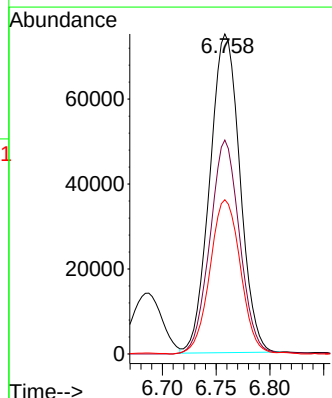
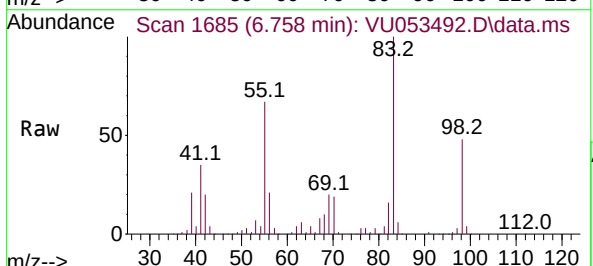
Tgt Ion: 83 Resp: 146237

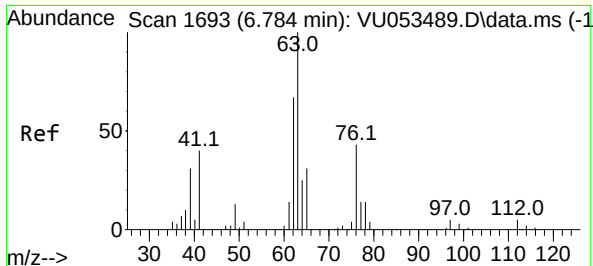
Ion Ratio Lower Upper

83 100

55 66.2 53.0 79.6

98 49.0 39.0 58.6





#37

1,2-Dichloropropane

Concen: 52.394 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

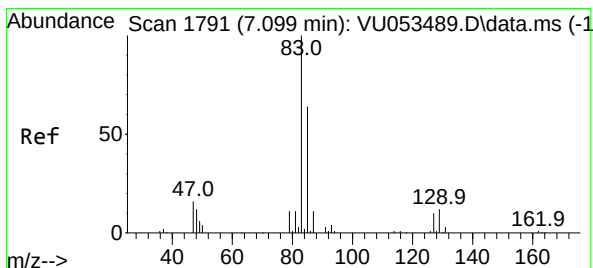
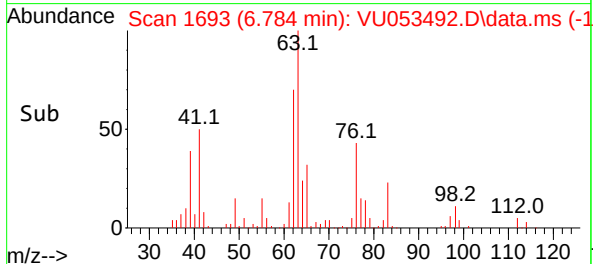
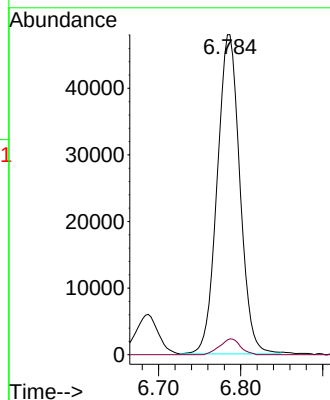
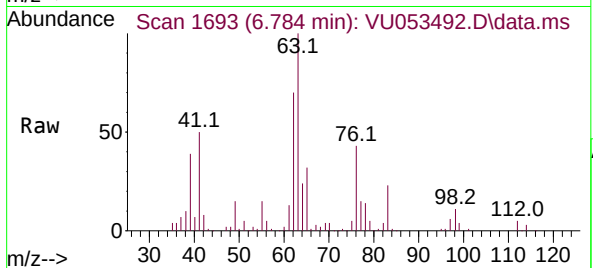
ClientSampleId :

Tgt Ion: 63 Resp: 92175

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 52.827 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

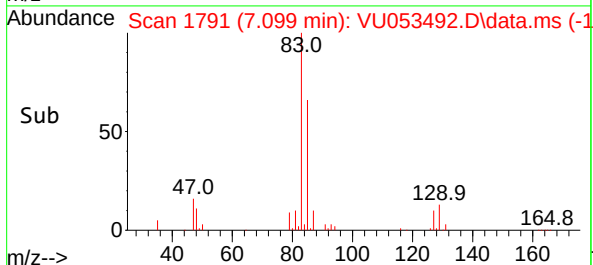
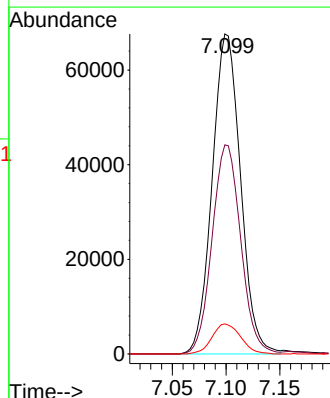
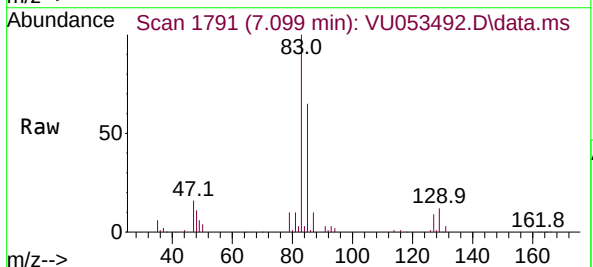
Tgt Ion: 83 Resp: 123981

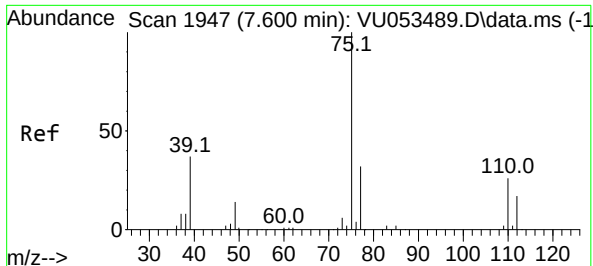
Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

127 9.4 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 55.555 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

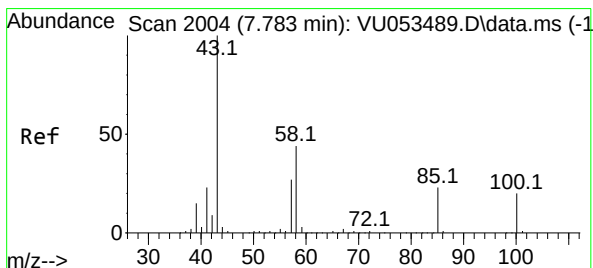
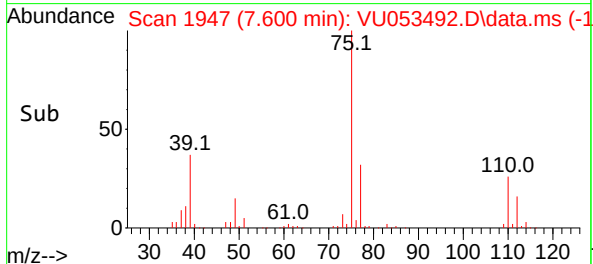
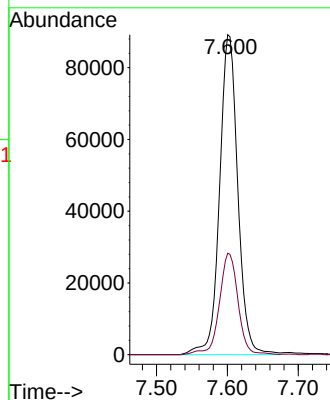
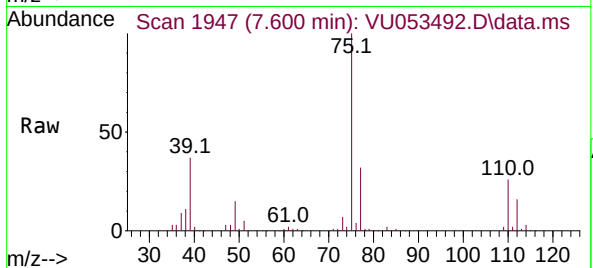
ClientSampleId :

Tgt Ion: 75 Resp: 159713

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 110.189 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

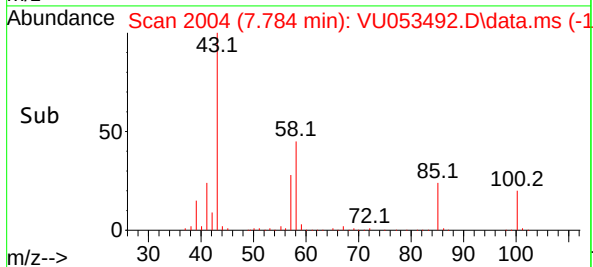
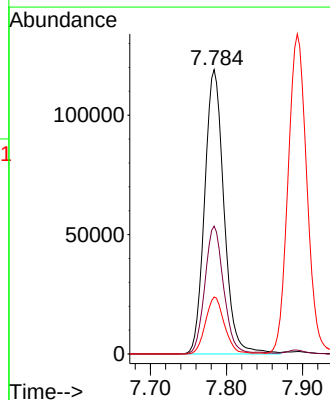
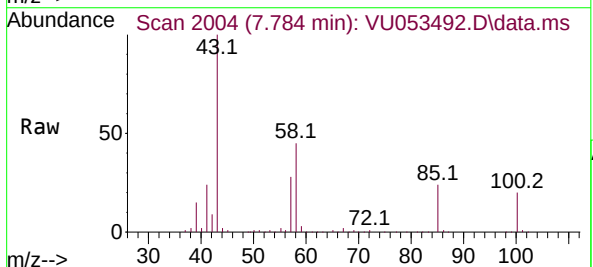
Tgt Ion: 43 Resp: 210656

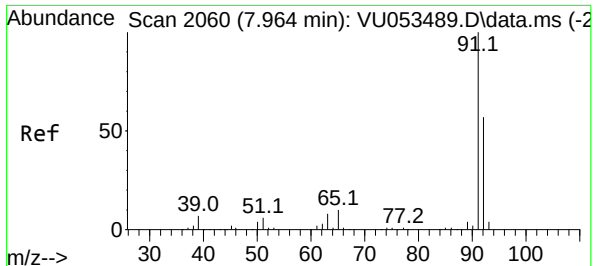
Ion Ratio Lower Upper

43 100

58 43.6 35.5 53.3

100 19.5 15.8 23.8

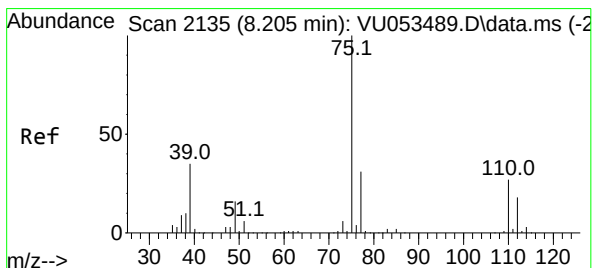
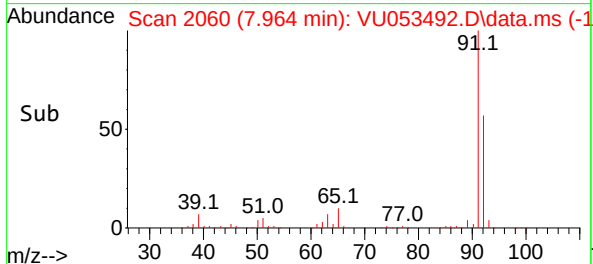
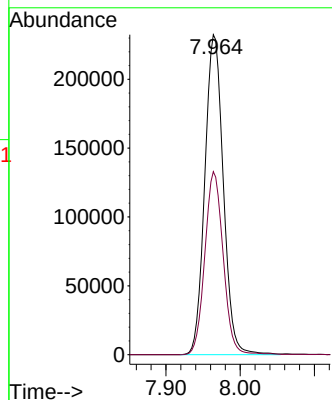
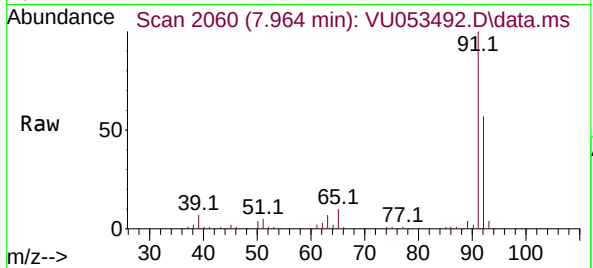




#42
Toluene
Concen: 51.268 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

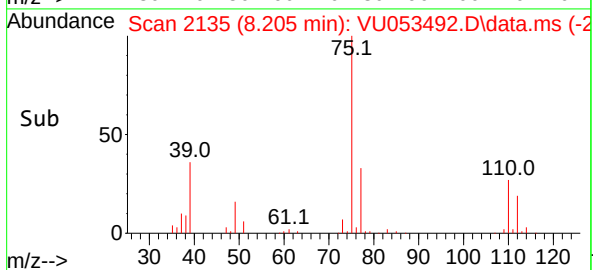
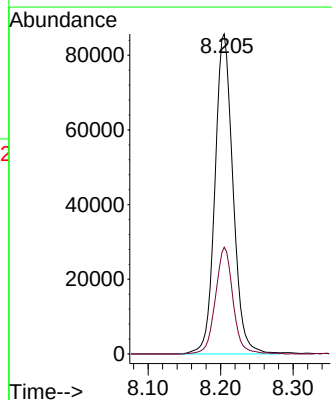
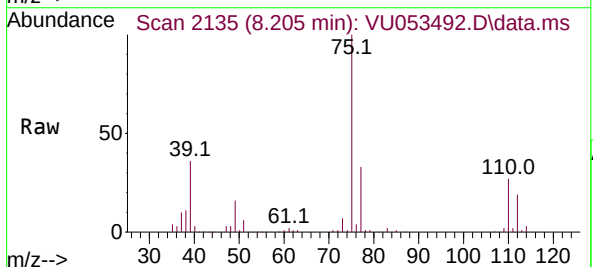
Instrument :
MSVOA_W
ClientSampleId :

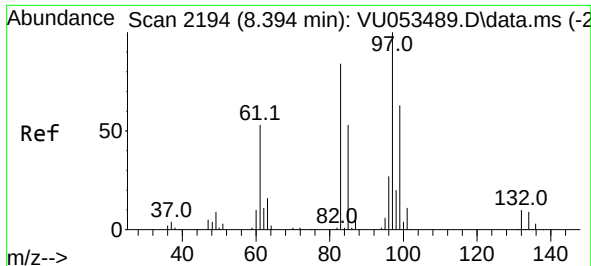
Tgt Ion: 91 Resp: 402539
Ion Ratio Lower Upper
91 100
92 57.2 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 54.533 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

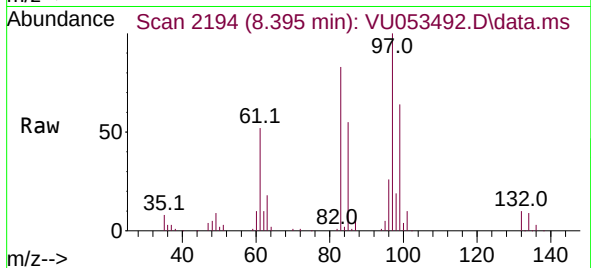
Tgt Ion: 75 Resp: 148207
Ion Ratio Lower Upper
75 100
77 33.4 21.8 40.4



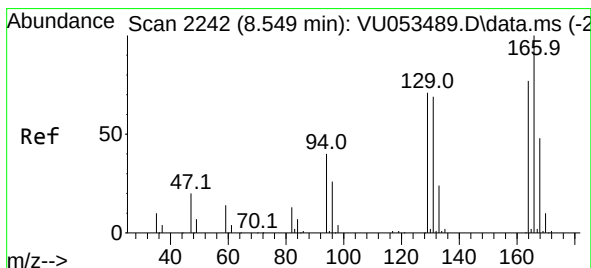
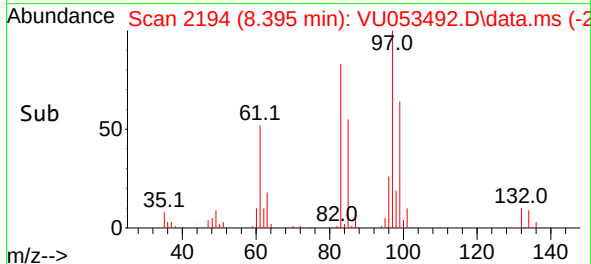
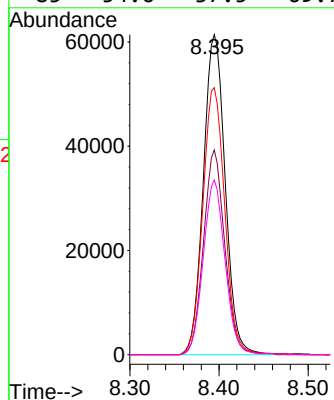


#45
1,1,2-Trichloroethane
Concen: 54.273 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Instrument :
MSVOA_W
ClientSampleId :

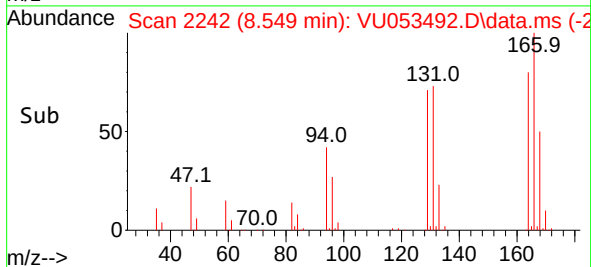
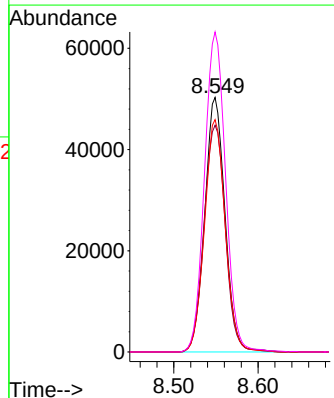
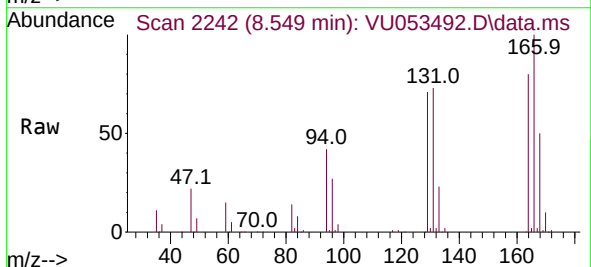


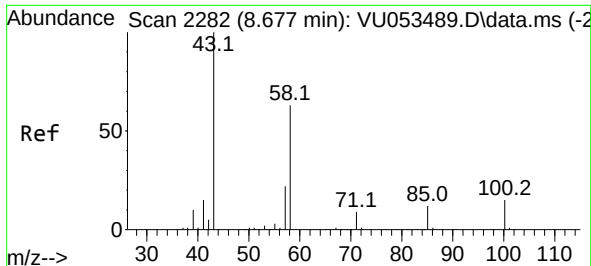
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.8	81.3
83	83.4	59.0	109.6
85	54.6	37.5	69.7



#46
Tetrachloroethene
Concen: 48.530 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.1	64.0	119.0
131	91.3	61.9	115.1
166	125.7	90.6	168.2

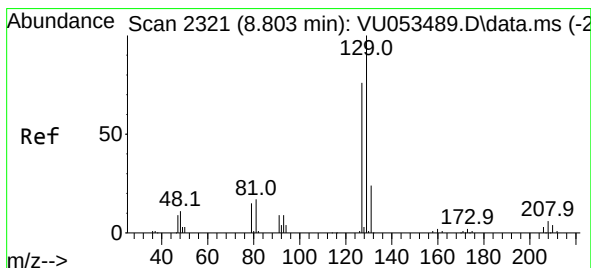
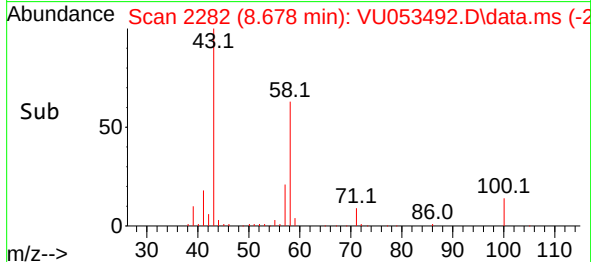
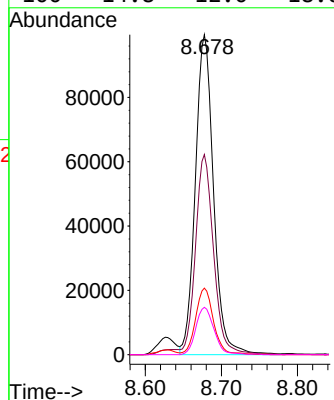
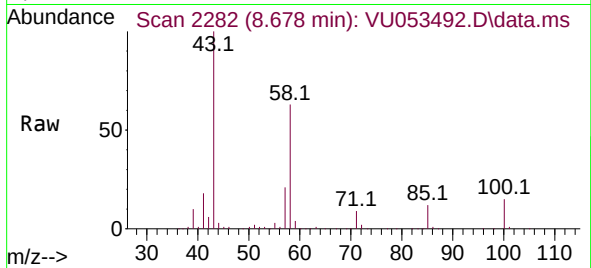




#48
2-Hexanone
Concen: 107.307 ug/L
RT: 8.678 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

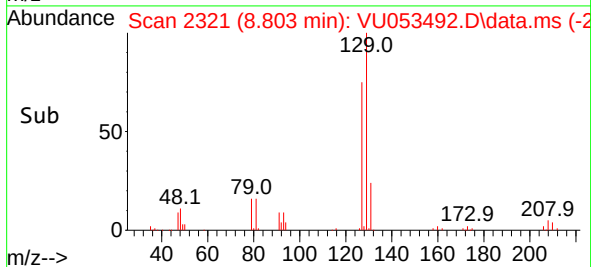
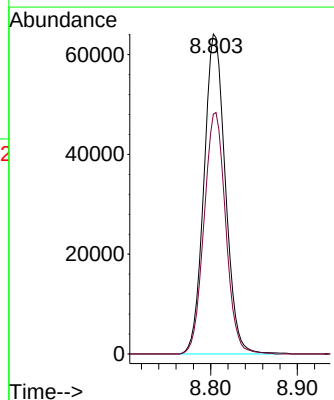
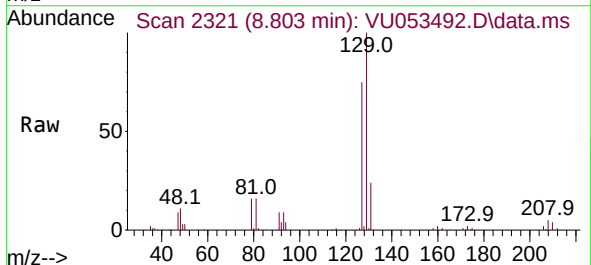
Instrument :
MSVOA_W
ClientSampleId :

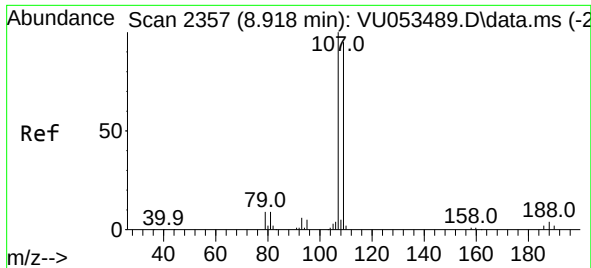
Tgt Ion: 43	Resp: 165946
Ion Ratio	Lower Upper
43 100	
58 61.3	49.8 74.6
57 20.5	17.8 26.6
100 14.8	12.0 18.0



#49
Dibromochloromethane
Concen: 54.734 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion:129	Resp: 109927		
Ion Ratio	Lower	Upper	
129 100			
127 74.9	53.5	99.3	

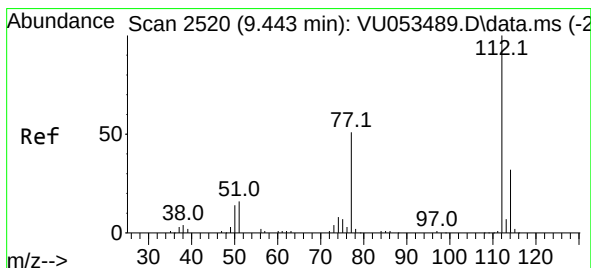
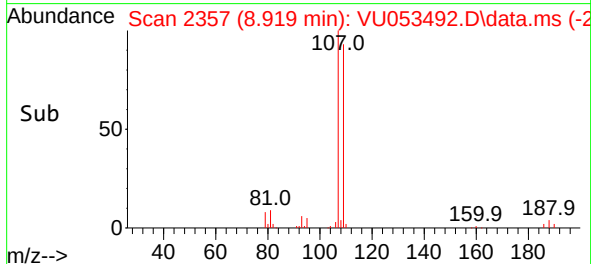
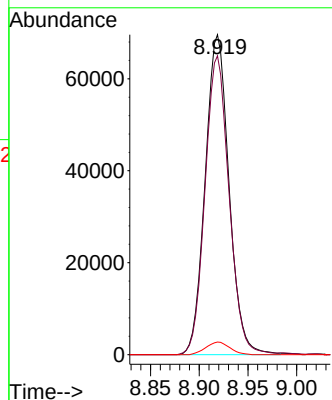
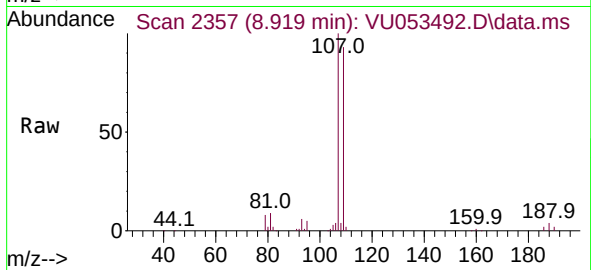




#50
1,2-Dibromoethane
Concen: 54.845 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

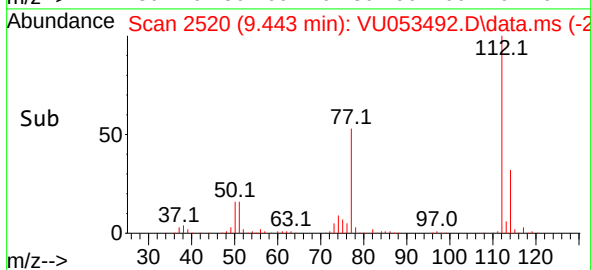
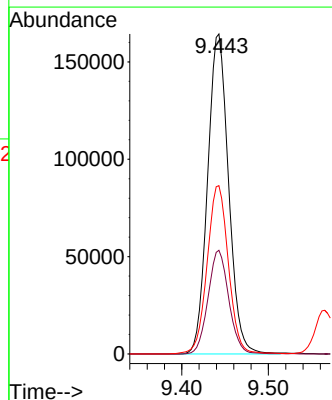
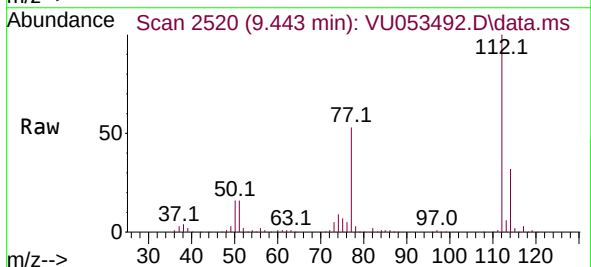
Instrument :
MSVOA_W
ClientSampleId :

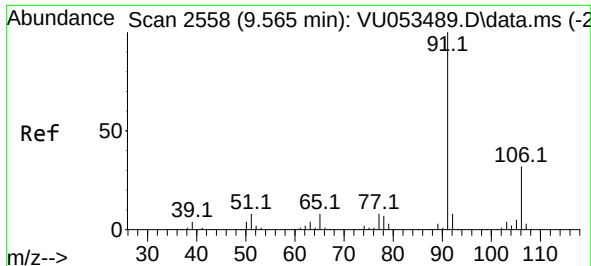
Tgt Ion:107 Resp: 118520
Ion Ratio Lower Upper
107 100
109 93.4 66.3 123.1
188 3.9 3.0 4.4



#51
Chlorobenzene
Concen: 51.065 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion:112 Resp: 276253
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 52.6 41.3 61.9

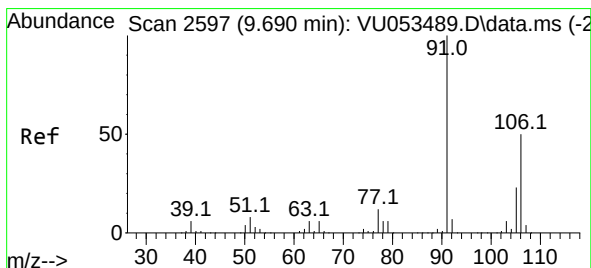
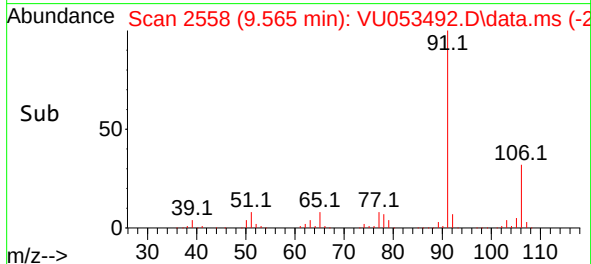
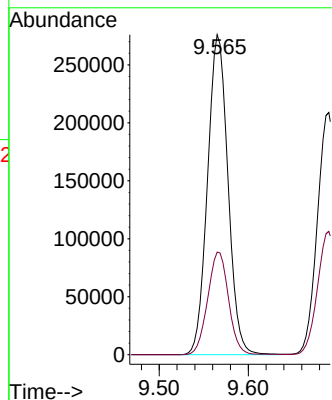
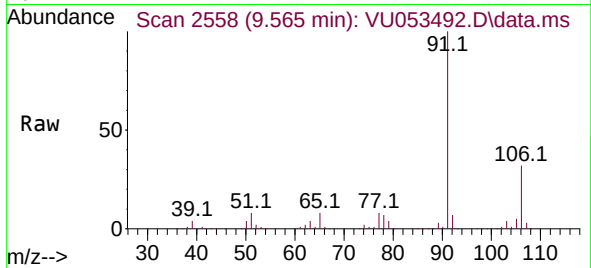




#52
Ethylbenzene
Concen: 50.288 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

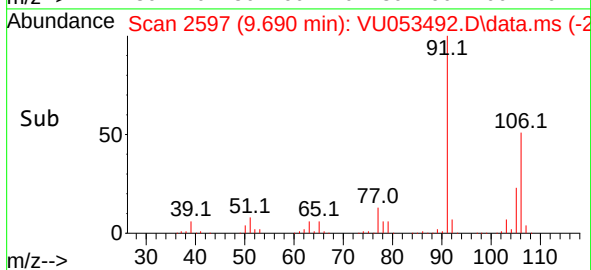
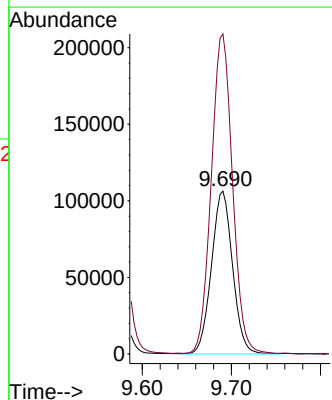
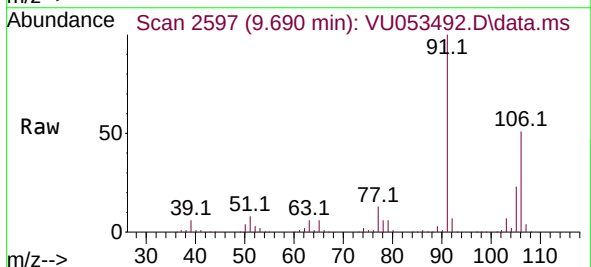
Instrument :
MSVOA_W
ClientSampleId :

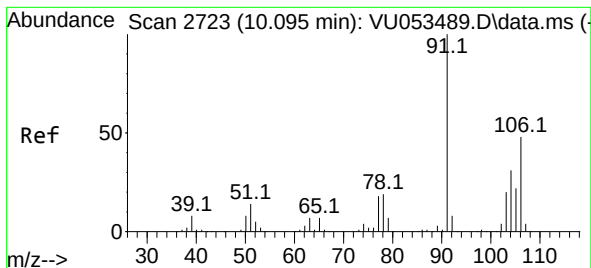
Tgt Ion: 91 Resp: 439542
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-Xylene
Concen: 51.211 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion: 106 Resp: 175058
Ion Ratio Lower Upper
106 100
91 196.4 140.0 260.0





#54

o-xylene

Concen: 52.115 ug/L

RT: 10.096 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

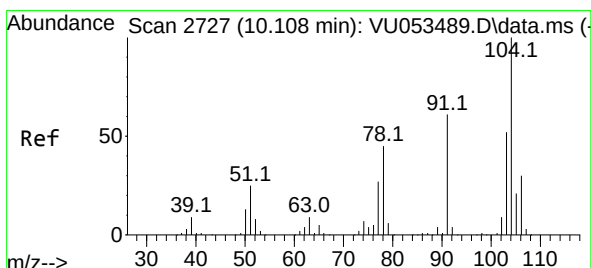
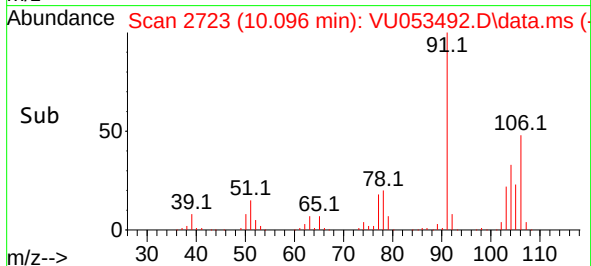
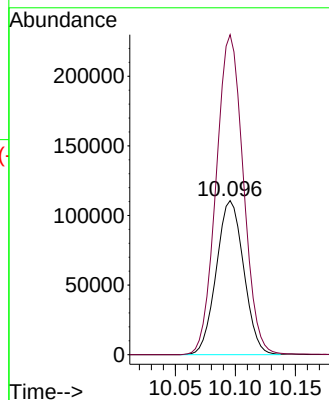
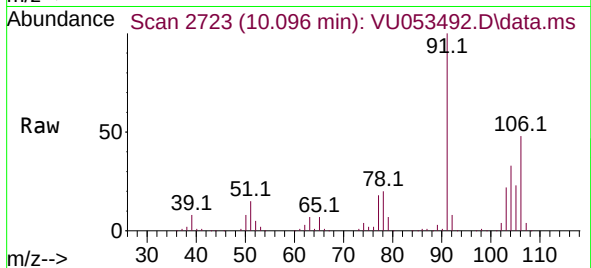
ClientSampleId :

Tgt Ion:106 Resp: 176137

Ion Ratio Lower Upper

106 100

91 207.7 144.9 269.1



#55

Styrene

Concen: 53.652 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053492.D

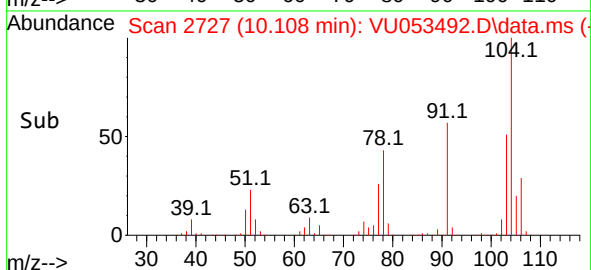
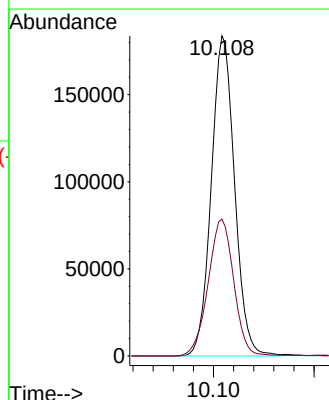
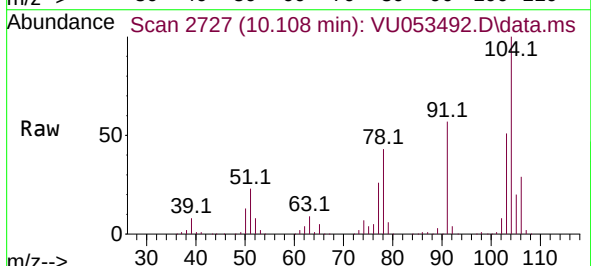
Acq: 31 Mar 2023 14:51

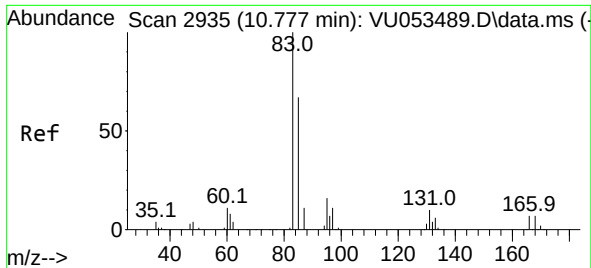
Tgt Ion:104 Resp: 295349

Ion Ratio Lower Upper

104 100

78 42.8 31.3 58.1

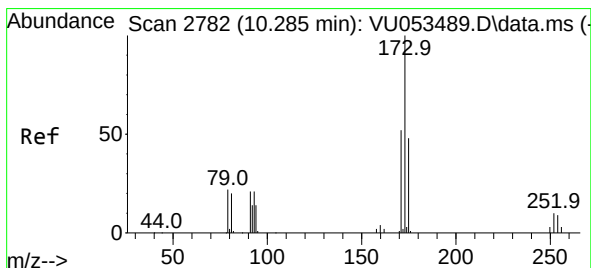
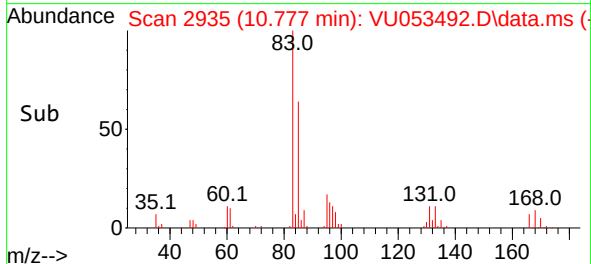
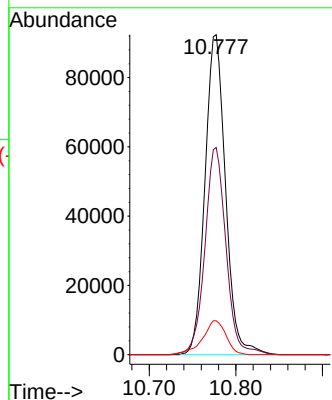
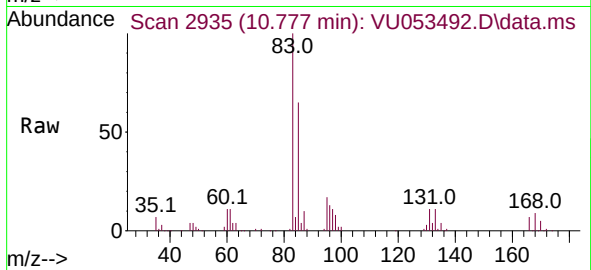




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.632 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

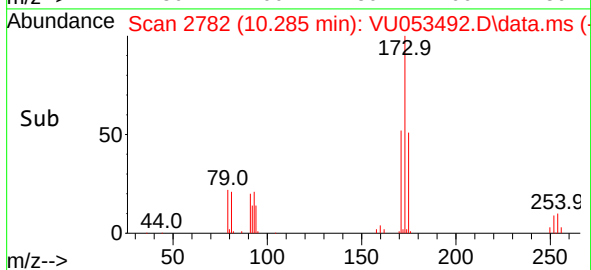
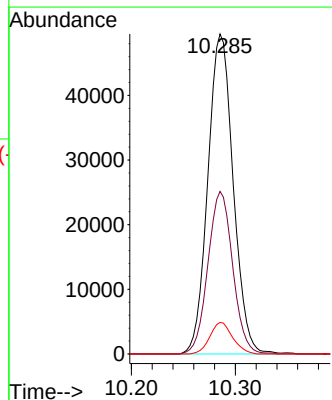
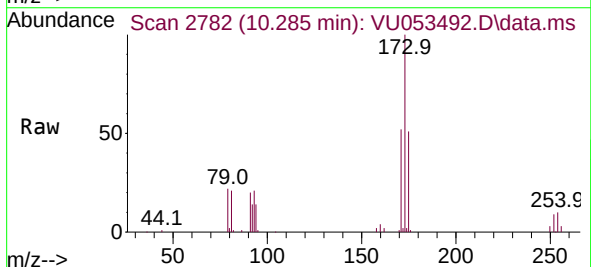
Instrument :
 MSVOA_W
 ClientSampleId :

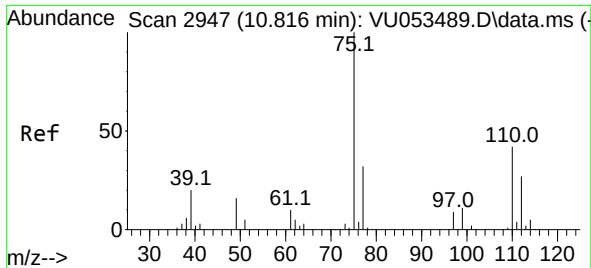
Tgt Ion: 83 Resp: 152096
 Ion Ratio Lower Upper
 83 100
 85 64.8 47.0 87.4
 131 10.6 8.7 13.1



#59
 Bromoform
 Concen: 56.089 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

Tgt Ion:173 Resp: 83924
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.0 58.6
 254 8.8 7.0 10.4

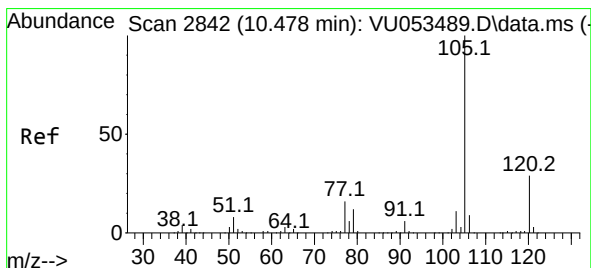
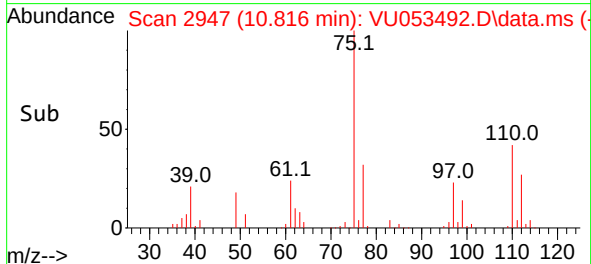
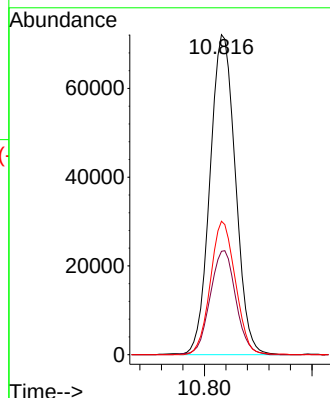
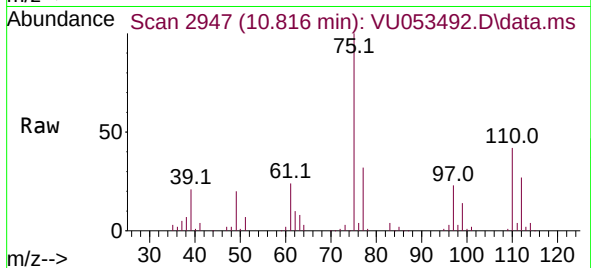




#60
1,2,3-Trichloropropane
Concen: 55.840 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

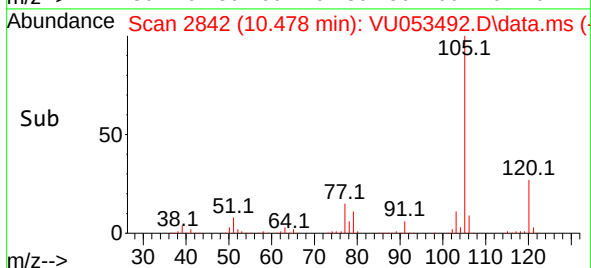
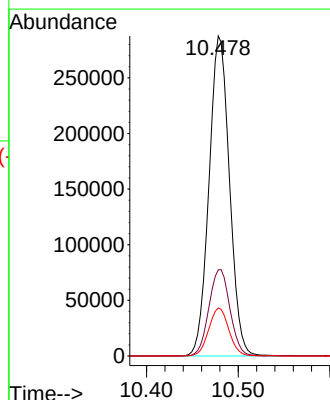
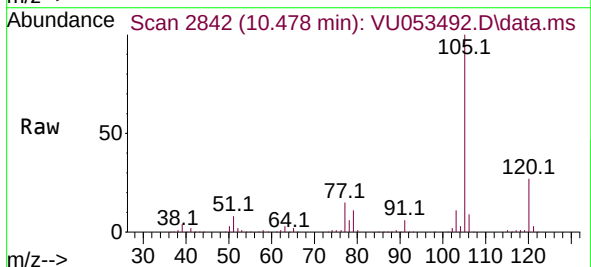
Instrument :
MSVOA_W
ClientSampleId :

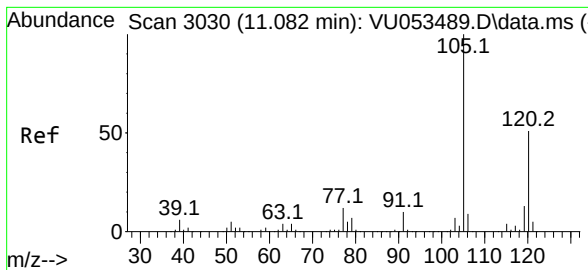
Tgt Ion: 75 Resp: 118358
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 41.0 32.6 48.8



#61
Isopropylbenzene
Concen: 51.681 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

Tgt Ion: 105 Resp: 446668
Ion Ratio Lower Upper
105 100
120 27.8 22.4 33.6
77 14.7 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 52.564 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

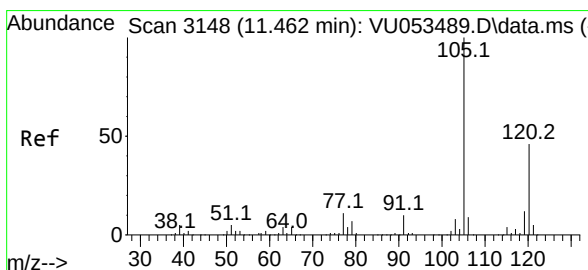
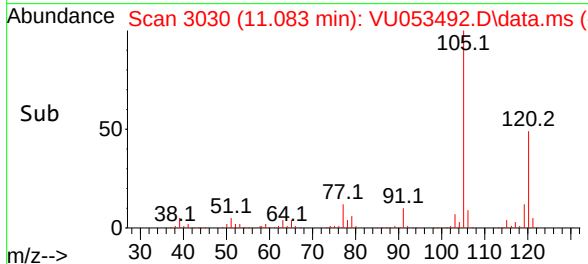
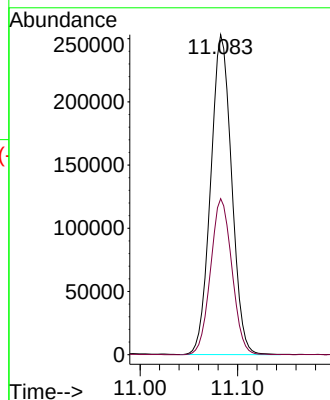
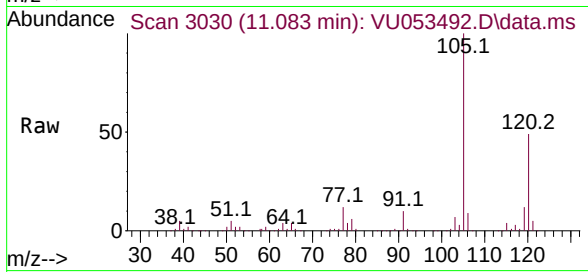
ClientSampleId :

Tgt Ion:105 Resp: 377650

Ion Ratio Lower Upper

105 100

120 49.6 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 52.794 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053492.D

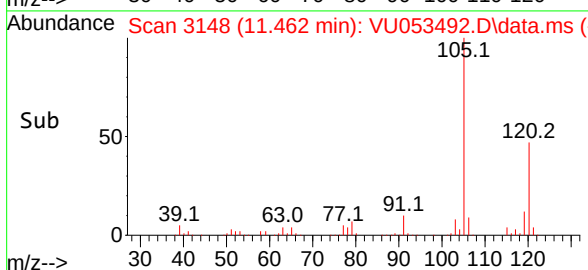
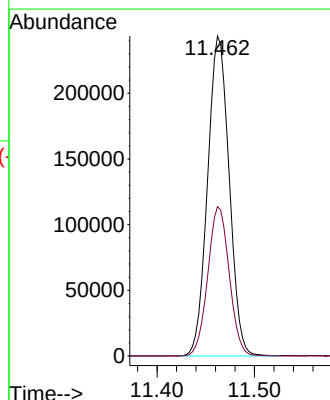
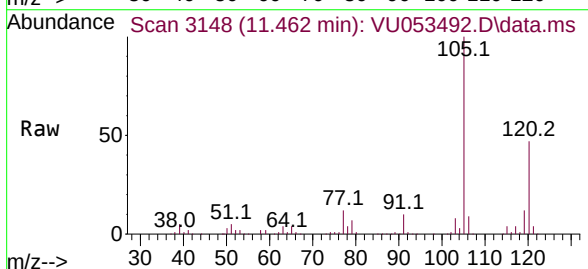
Acq: 31 Mar 2023 14:51

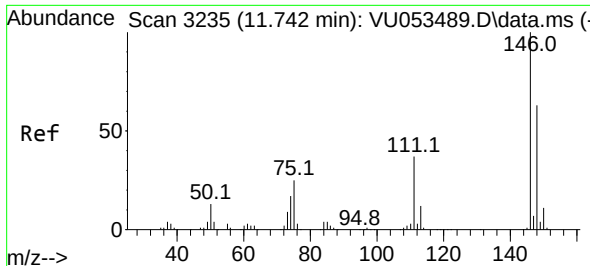
Tgt Ion:105 Resp: 375679

Ion Ratio Lower Upper

105 100

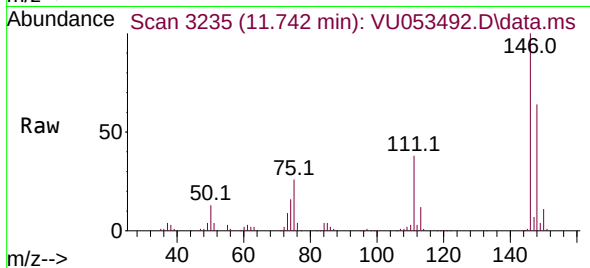
120 46.3 37.5 56.3



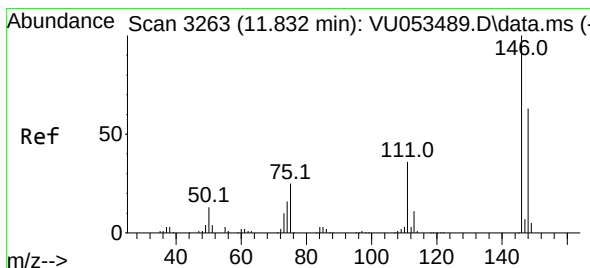
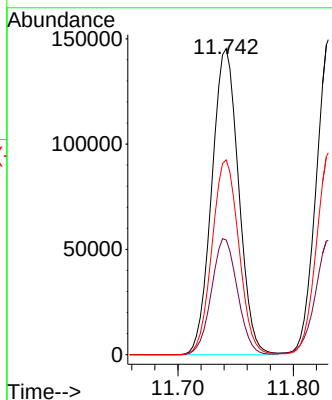
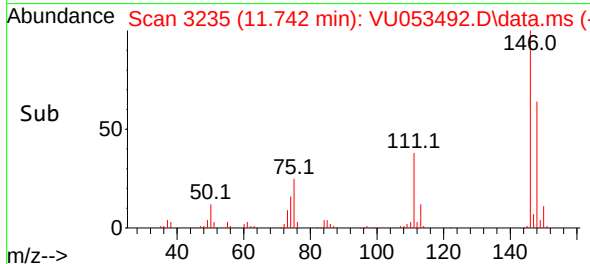


#64
1,3-Dichlorobenzene
Concen: 52.033 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51

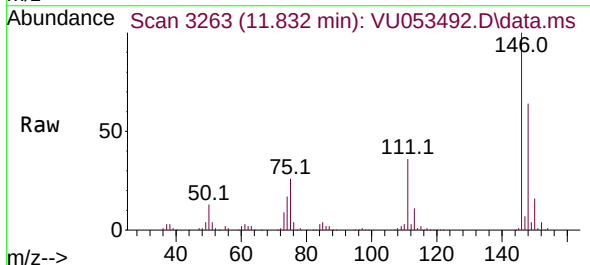
Instrument :
MSVOA_W
ClientSampleId :



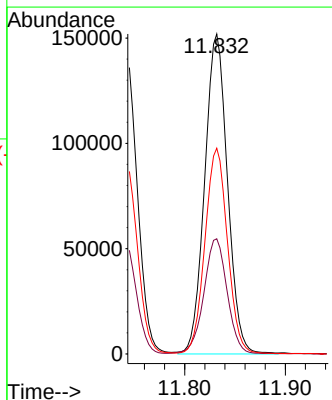
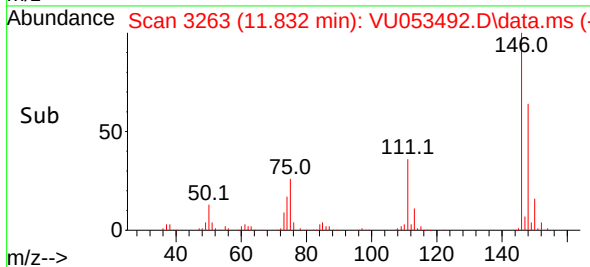
Tgt Ion:146 Resp: 234986
Ion Ratio Lower Upper
146 100
111 37.5 25.7 47.7
148 63.6 44.2 82.2

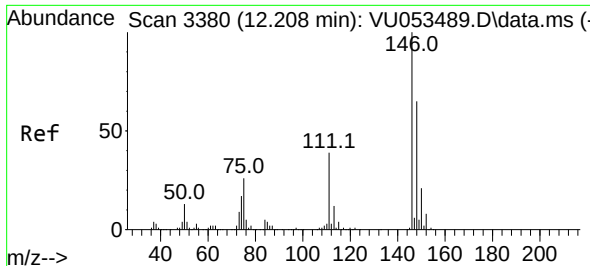


#65
1,4-Dichlorobenzene
Concen: 52.087 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053492.D
Acq: 31 Mar 2023 14:51



Tgt Ion:146 Resp: 239741
Ion Ratio Lower Upper
146 100
111 36.0 25.1 46.5
148 64.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 52.896 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

ClientSampleId :

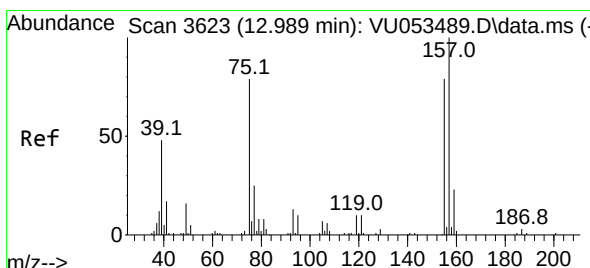
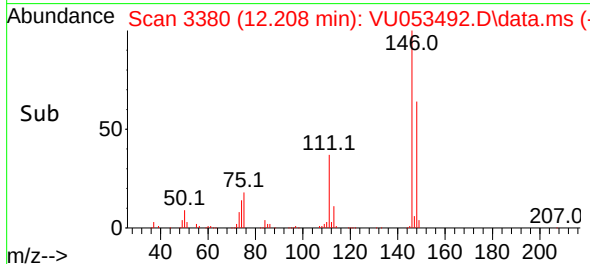
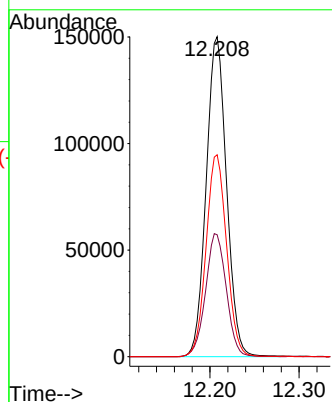
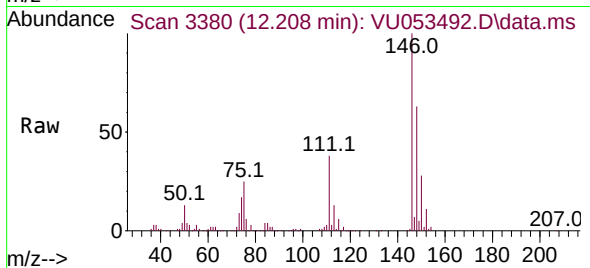
Tgt Ion:146 Resp: 238081

Ion Ratio Lower Upper

146 100

111 38.1 31.5 47.3

148 63.1 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 55.334 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

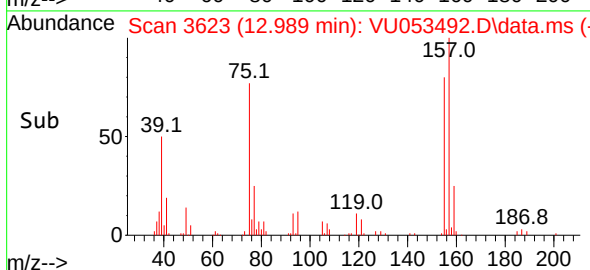
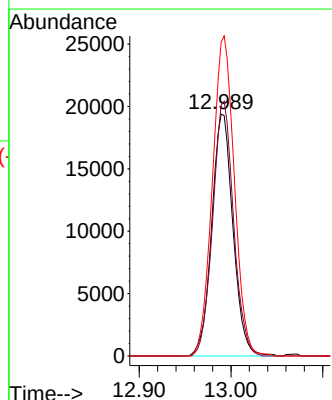
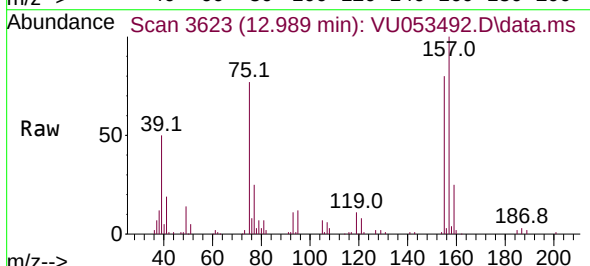
Tgt Ion: 75 Resp: 31267

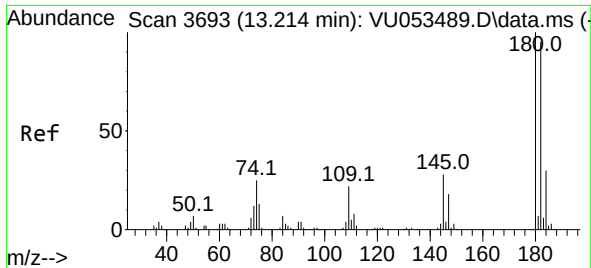
Ion Ratio Lower Upper

75 100

155 103.7 79.9 119.9

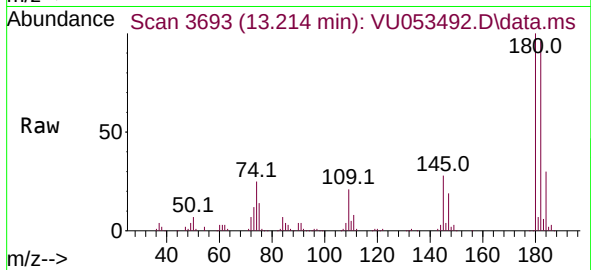
157 129.7 100.8 151.2



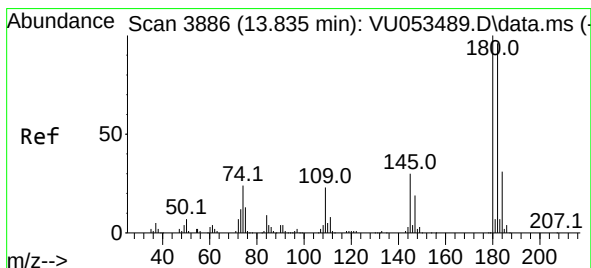
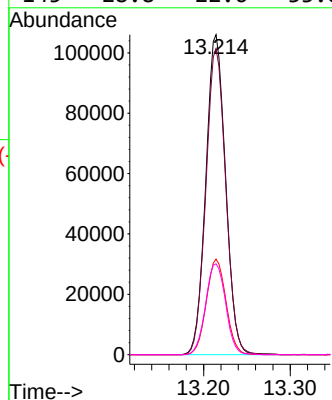
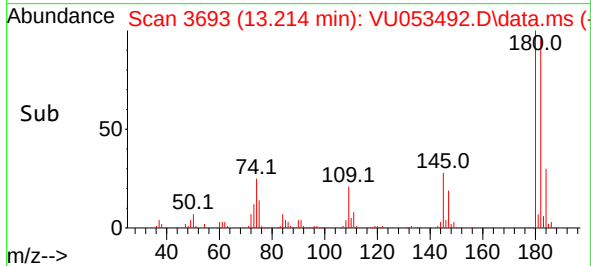


#69
 1,3,5-Trichlorobenzene
 Concen: 50.238 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51

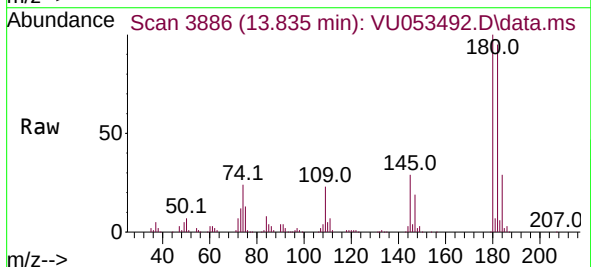
Instrument :
 MSVOA_W
 ClientSampleId :



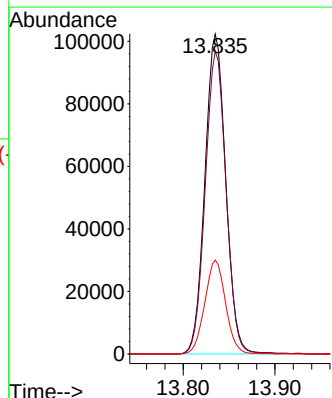
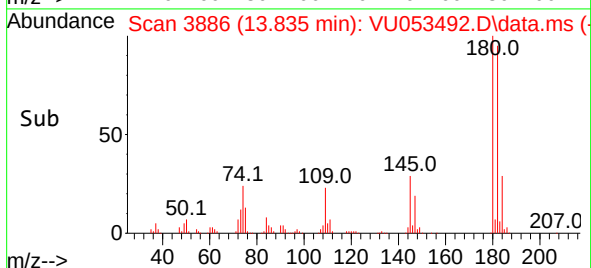
Tgt Ion:180 Resp: 168010
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.6 113.4
 184 29.8 24.2 36.2
 145 28.8 22.6 33.8

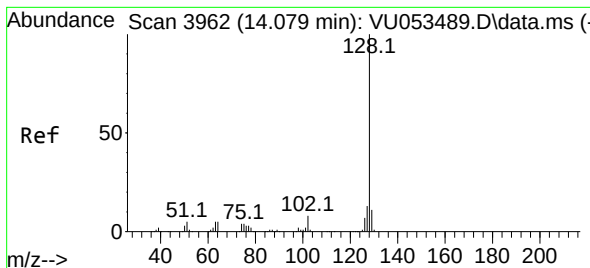


#70
 1,2,4-trichlorobenzene
 Concen: 52.017 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053492.D
 Acq: 31 Mar 2023 14:51



Tgt Ion:180 Resp: 161282
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.8
 145 29.4 23.4 35.2





#71

Naphthalene

Concen: 55.935 ug/L

RT: 14.083 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Instrument :

MSVOA_W

ClientSampleId :

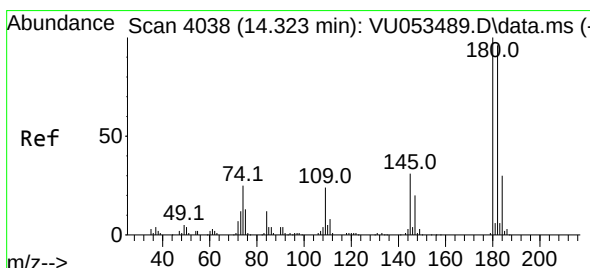
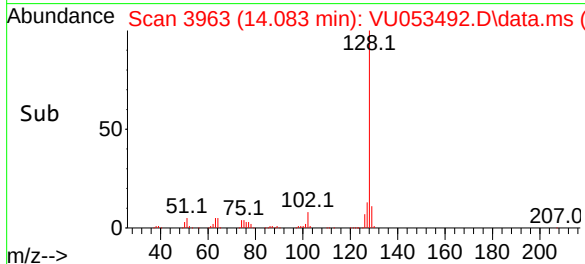
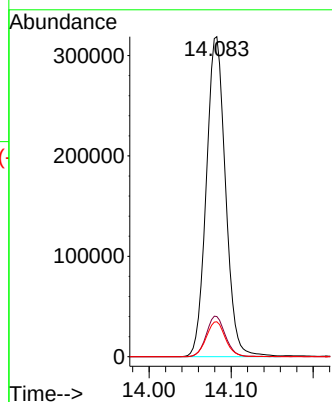
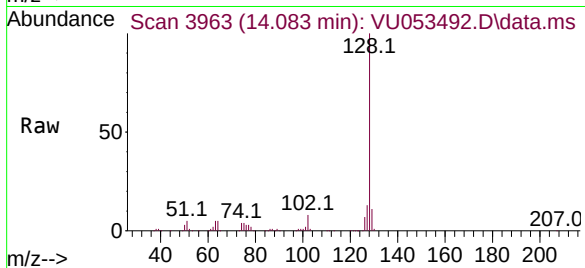
Tgt Ion:128 Resp: 519103

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 53.045 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053492.D

Acq: 31 Mar 2023 14:51

Tgt Ion:180 Resp: 164275

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

145 31.1 25.4 38.0

