

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053489.D
 Acq On : 31 Mar 2023 13:17
 Operator : JC/MD
 Sample : VSTD05013
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:36:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	290159	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	275864	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	157192	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	113535	43.527	ug/L	0.00
7) Chloroethane-d5	1.909	69	86018	41.117	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	176075	43.839	ug/L	0.00
21) 2-Butanone-d5	4.613	46	104776	100.517	ug/L	0.00
24) Chloroform-d	5.057	84	187397	43.577	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	112298	43.445	ug/L	0.00
32) Benzene-d6	5.722	84	373936	42.564	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	112653	41.622	ug/L	0.00
41) Toluene-d8	7.893	98	369572	42.932	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	57339	39.286	ug/L	0.00
47) 2-Hexanone-d5	8.626	63	79240	94.124	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	161420	42.930	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	157892	45.984	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	118252	51.281	ug/L	100
3) Chloromethane	1.520	50	99161	47.369	ug/L	100
5) Vinyl chloride	1.604	62	112947	44.405	ug/L	100
6) Bromomethane	1.851	94	81556	46.075	ug/L	100
8) Chloroethane	1.932	64	65364	42.289	ug/L	100
9) Trichlorofluoromethane	2.137	101	175743	45.146	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	101758	50.434	ug/L	100
12) 1,1-Dichloroethene	2.578	96	88947	47.071	ug/L	100
13) Acetone	2.620	43	88580	93.401	ug/L	100
14) Carbon disulfide	2.790	76	237107	43.037	ug/L	100
15) Methyl Acetate	2.941	43	73782	52.331	ug/L	100
16) Methylene chloride	3.041	84	97152	43.004	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	90588	45.163	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	263694	42.852	ug/L	100
19) 1,1-Dichloroethane	3.864	63	150511	44.121	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	105281	46.489	ug/L	100
22) 2-Butanone	4.694	43	112531	100.077	ug/L	100
23) Bromochloromethane	4.970	128	58748	47.469	ug/L	100
25) Chloroform	5.083	83	173545	45.237	ug/L	100
27) 1,2-Dichloroethane	5.787	62	123054	44.939	ug/L	100
29) Cyclohexane	5.385	56	133060	42.210	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	154998	44.717	ug/L	100
31) Carbon tetrachloride	5.520	117	137354	45.151	ug/L	100
33) Benzene	5.768	78	365236	44.355	ug/L	100
34) Trichloroethene	6.536	95	108116	47.352	ug/L	100
35) Methylcyclohexane	6.758	83	160279	42.406	ug/L	100
37) 1,2-Dichloropropane	6.784	63	92599	44.211	ug/L	100
38) Bromodichloromethane	7.099	83	123016	41.352	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	152251	42.715	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	201651	97.114	ug/L	100
42) Toluene	7.964	91	413482	44.297	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	144208	41.904	ug/L	100

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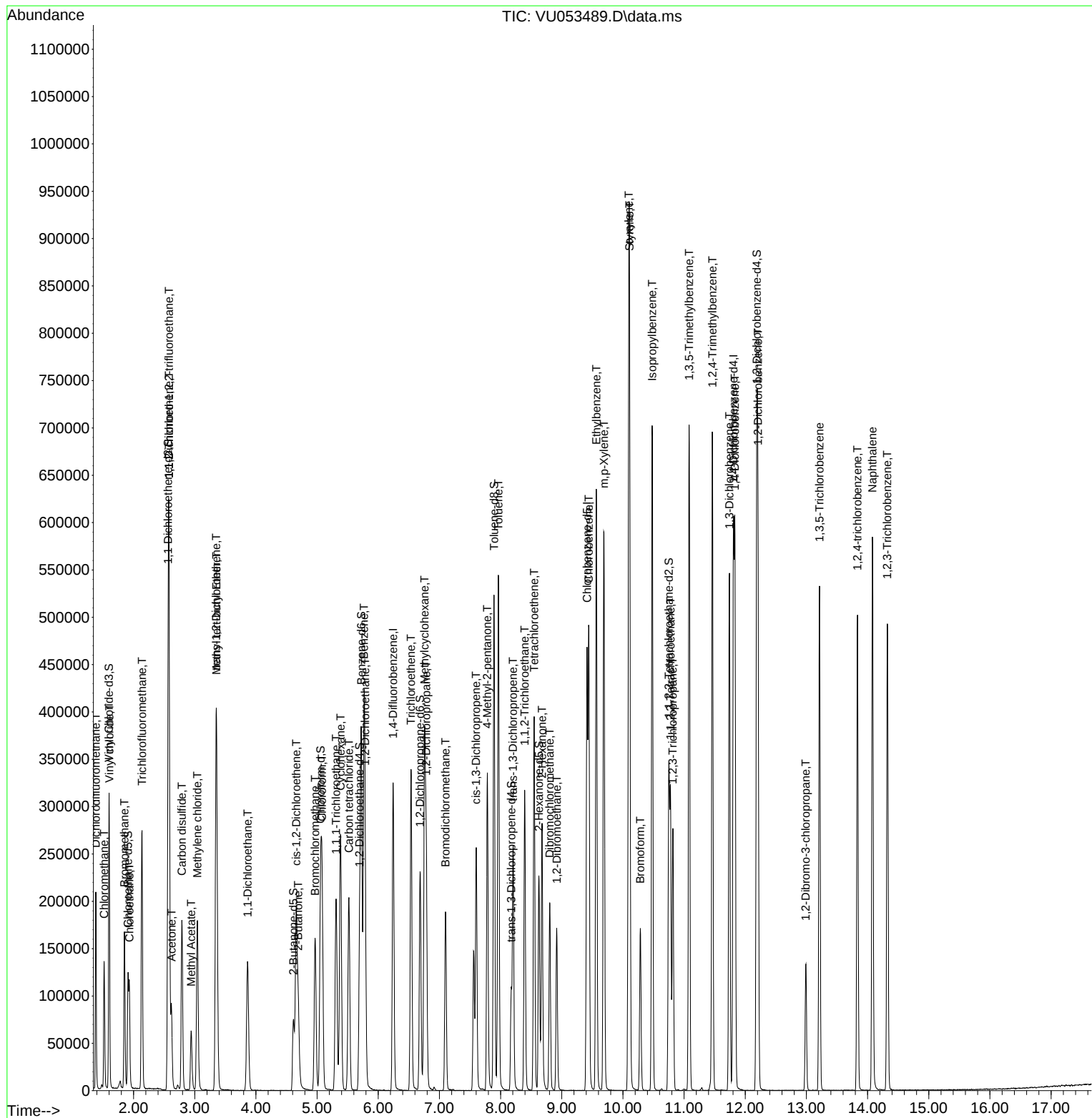
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	102385	46.835	ug/L	100
46) Tetrachloroethene	8.549	164	90427	49.595	ug/L	100
48) 2-Hexanone	8.677	43	159356	96.506	ug/L	100
49) Dibromochloromethane	8.803	129	107259	41.727	ug/L	100
50) 1,2-Dibromoethane	8.918	107	114265	47.778	ug/L	100
51) Chlorobenzene	9.443	112	278155	45.888	ug/L	100
52) Ethylbenzene	9.565	91	457168	44.437	ug/L	100
53) m,p-Xylene	9.690	106	178805	44.115	ug/L	100
54) o-xylene	10.095	106	177982	44.284	ug/L	100
55) Styrene	10.108	104	292627	43.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	147110	43.811	ug/L	100
59) Bromoform	10.285	173	80814	40.864	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	114752	45.124	ug/L	100
61) Isopropylbenzene	10.478	105	468849	44.277	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	392069	42.391	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	386892	42.915	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	238841	49.028	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	236854	48.304	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	238753	48.636	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	30328	40.145	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	176689	47.289	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	161304	47.947	ug/L	100
71) Naphthalene	14.079	128	495974	49.282	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	162622	49.204	ug/L	100

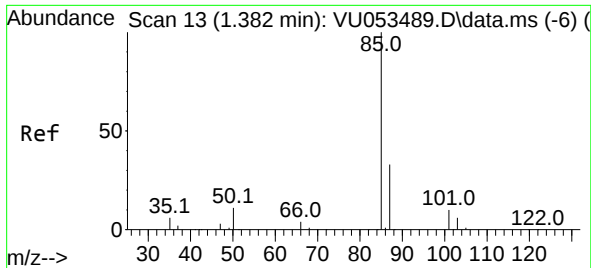
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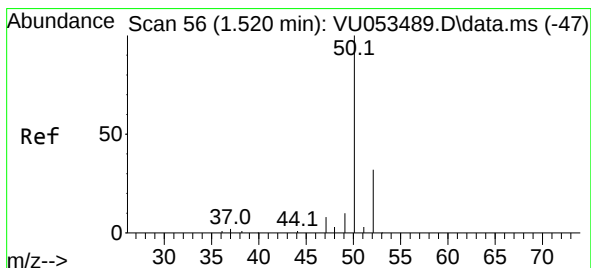
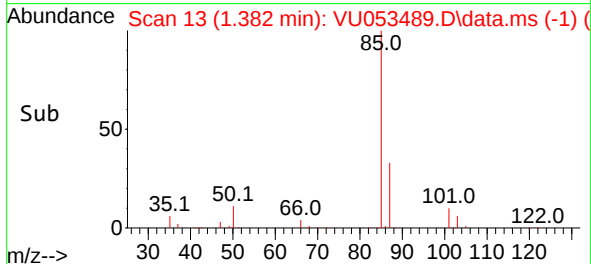
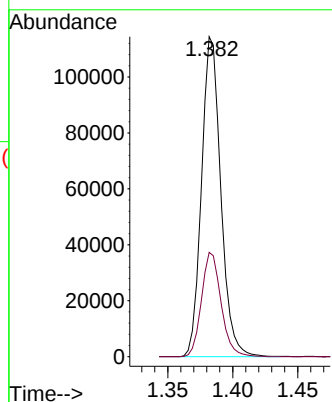
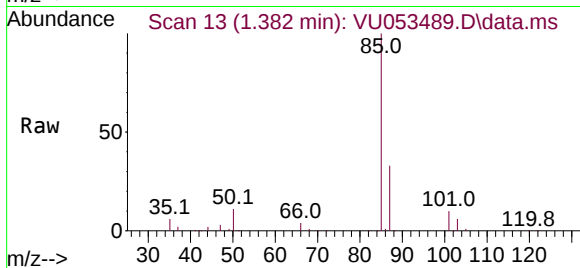




#2
Dichlorodifluoromethane
Concen: 51.281 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

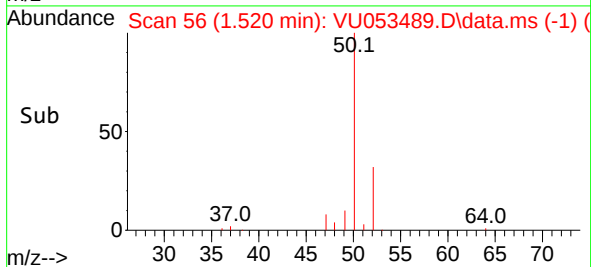
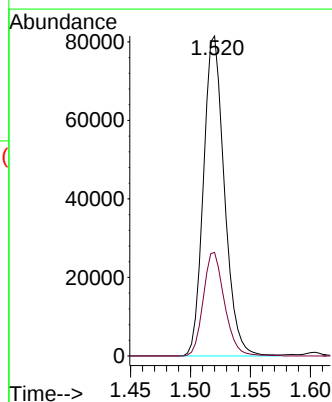
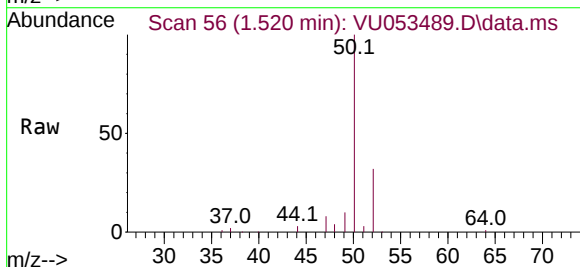
Instrument :
MSVOA_W
ClientSampleId :

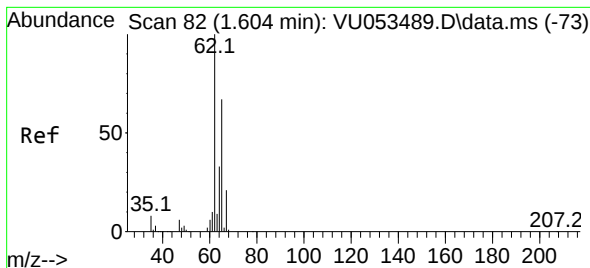
Tgt Ion: 85 Resp: 118252
Ion Ratio Lower Upper
85 100
87 33.0 26.4 39.6



#3
Chloromethane
Concen: 47.369 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion: 50 Resp: 99161
Ion Ratio Lower Upper
50 100
52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 44.405 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

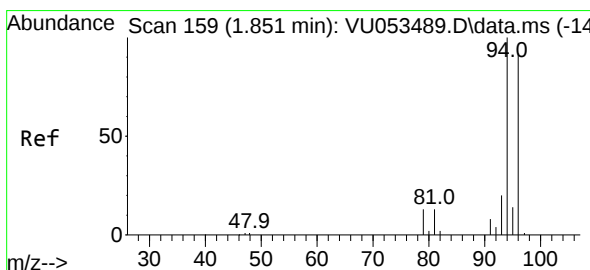
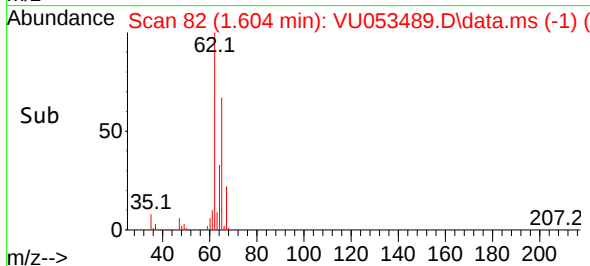
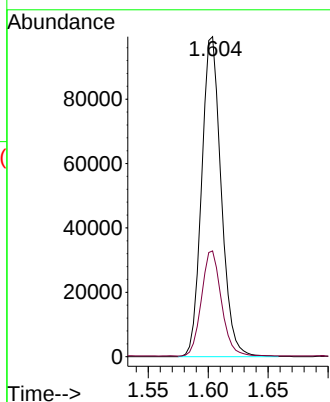
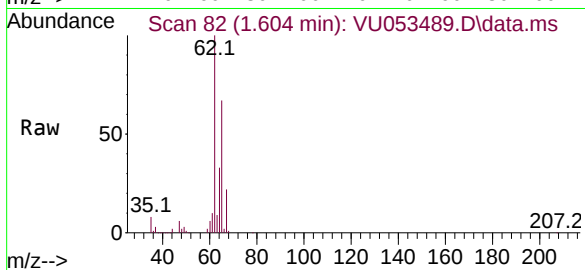
ClientSampleId :

Tgt Ion: 62 Resp: 112947

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 46.075 ug/L

RT: 1.851 min Scan# 159

Delta R.T. 0.000 min

Lab File: VU053489.D

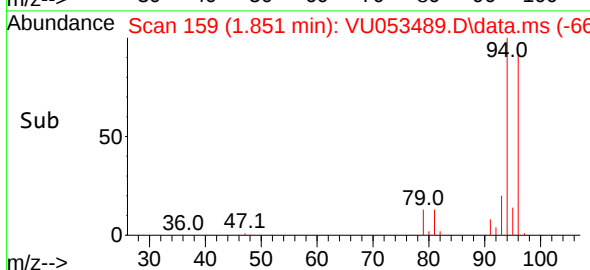
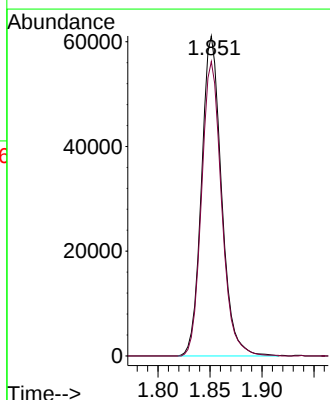
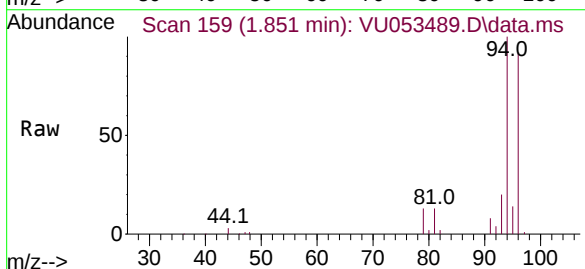
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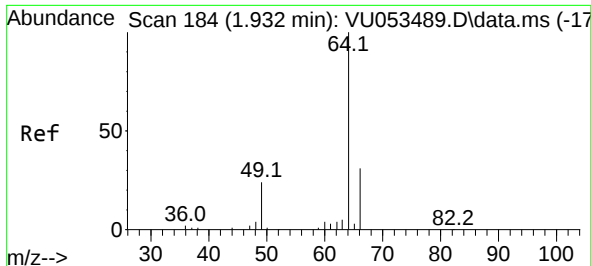
Tgt Ion: 94 Resp: 81556

Ion Ratio Lower Upper

94 100

96 92.0 64.4 119.6

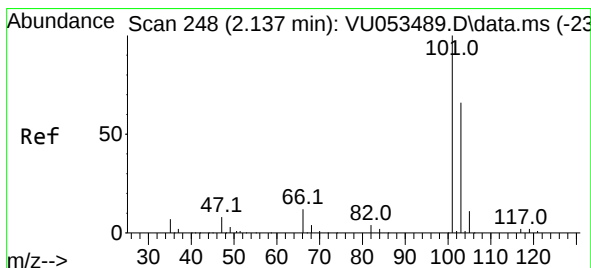
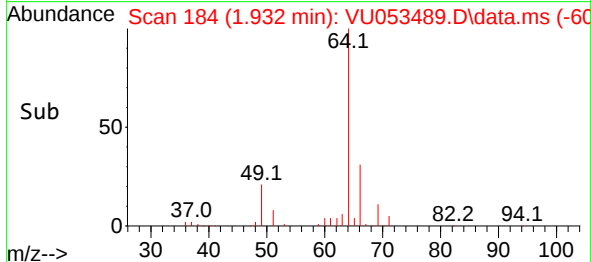
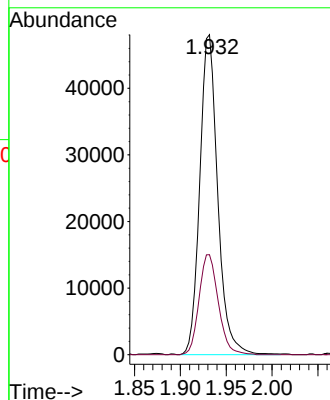
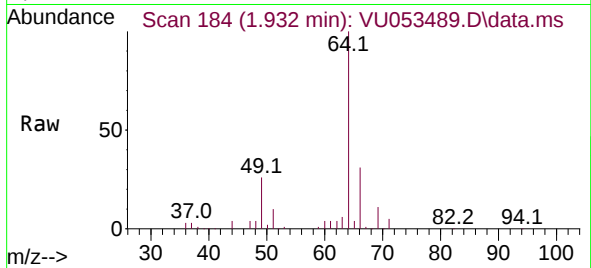




#8
Chloroethane
Concen: 42.289 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

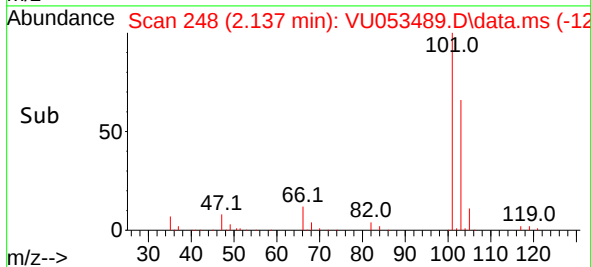
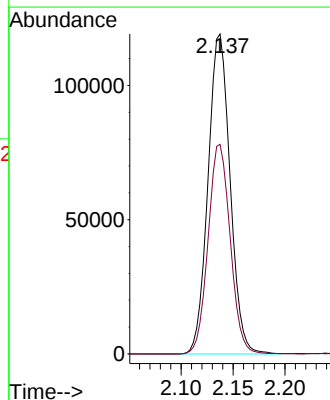
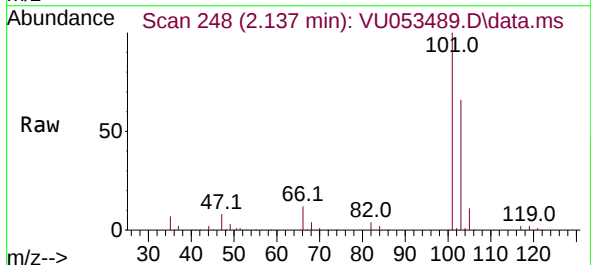
Instrument :
MSVOA_W
ClientSampleId :

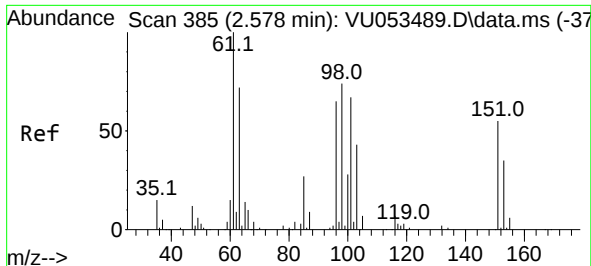
Tgt Ion: 64 Resp: 65364
Ion Ratio Lower Upper
64 100
66 31.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 45.146 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:101 Resp: 175743
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7

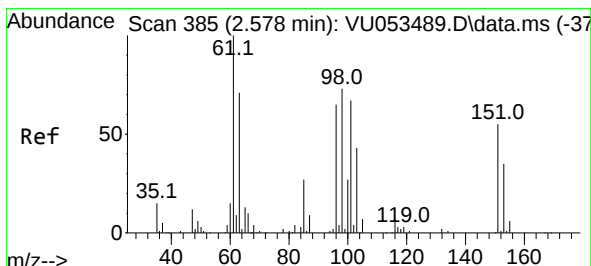
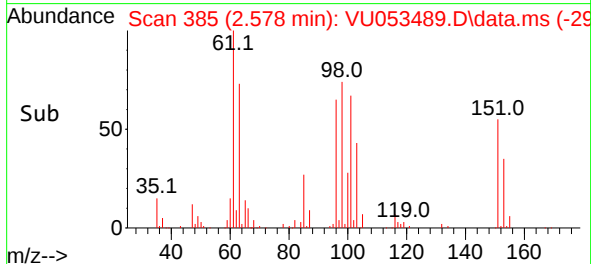
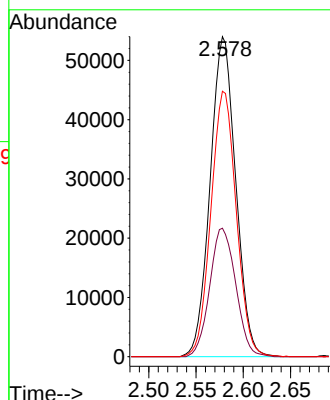
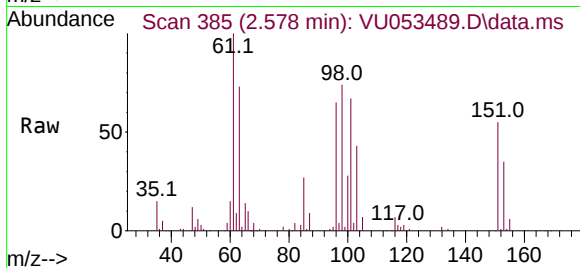




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.434 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053489.D
 Acq: 31 Mar 2023 13:17

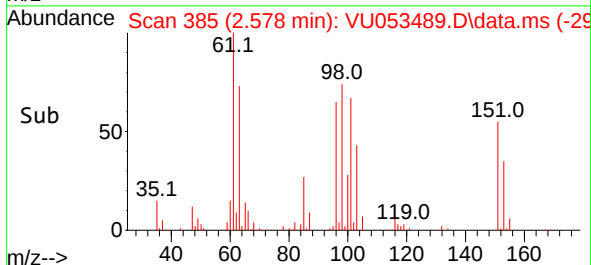
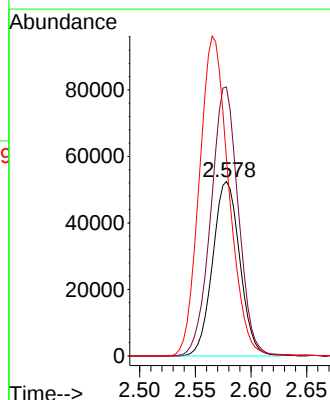
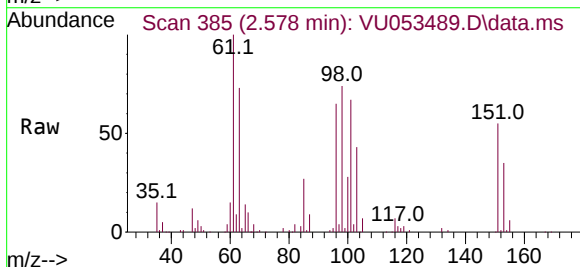
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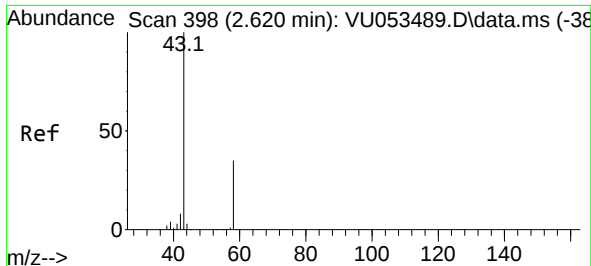
Tgt Ion:101 Resp: 101758
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.6 48.8
 151 82.2 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 47.071 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053489.D
 Acq: 31 Mar 2023 13:17

Tgt Ion: 96 Resp: 88947
 Ion Ratio Lower Upper
 96 100
 61 154.2 107.9 200.5
 63 113.0 79.1 146.9





#13

Acetone

Concen: 93.401 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

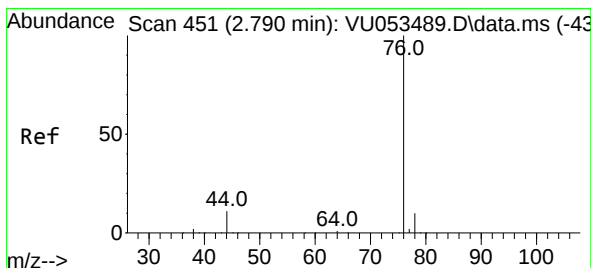
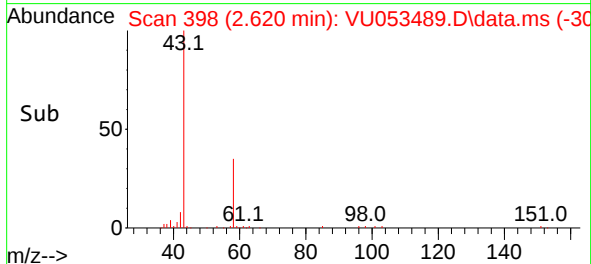
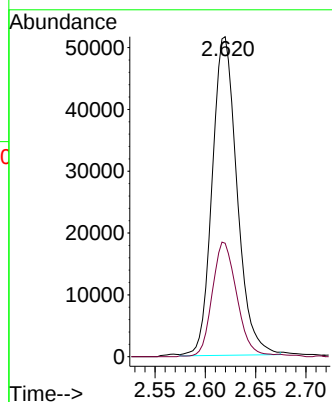
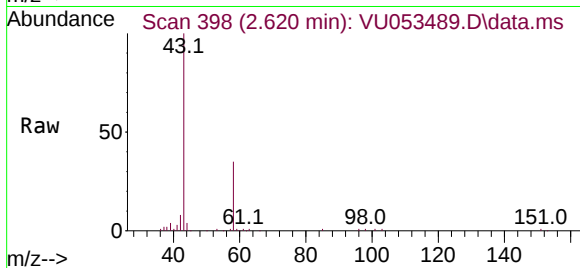
ClientSampleId :

Tgt Ion: 43 Resp: 88580

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 43.037 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053489.D

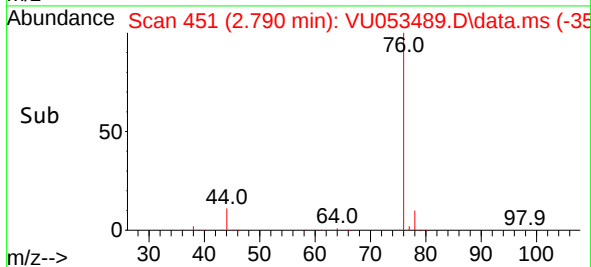
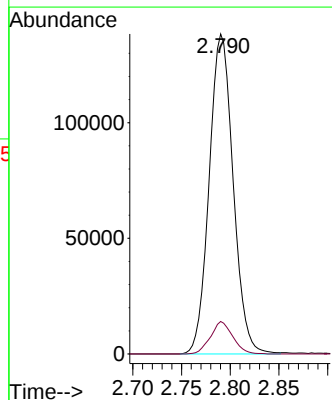
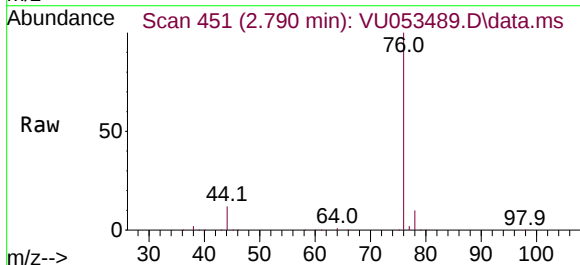
Acq: 31 Mar 2023 13:17

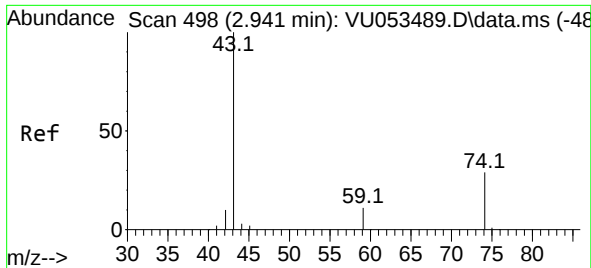
Tgt Ion: 76 Resp: 237107

Ion Ratio Lower Upper

76 100

78 10.2 8.2 12.2

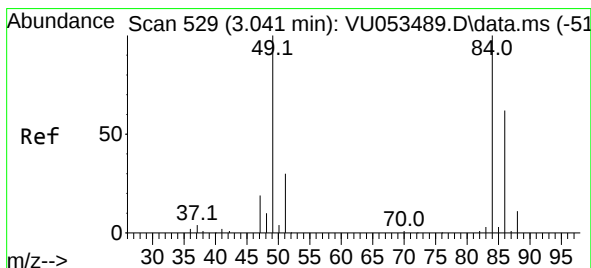
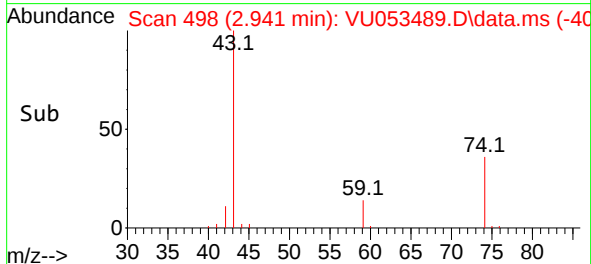
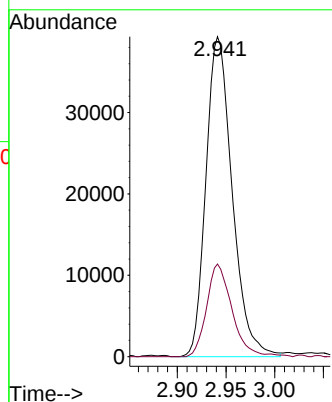
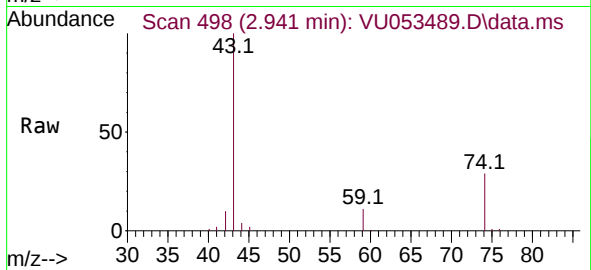




#15
Methyl Acetate
Concen: 52.331 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

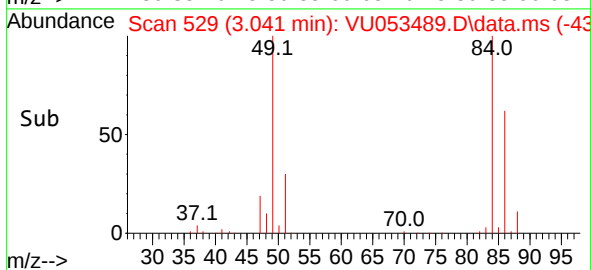
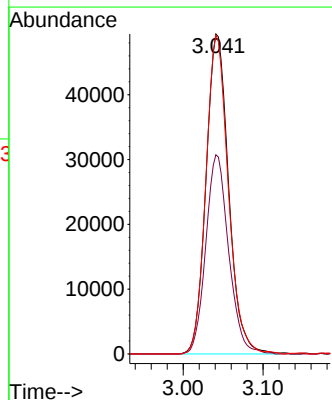
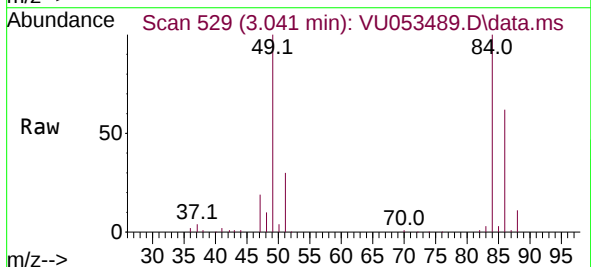
Instrument :
MSVOA_W
ClientSampleId :

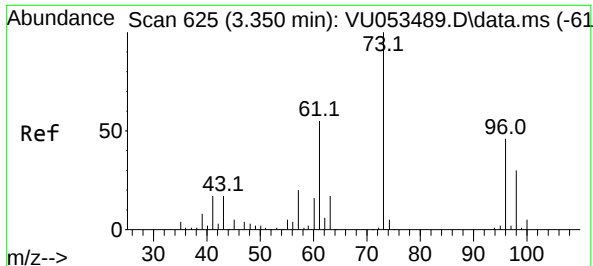
Tgt Ion: 43 Resp: 73782
Ion Ratio Lower Upper
43 100
74 27.5 22.0 33.0



#16
Methylene chloride
Concen: 43.004 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion: 84 Resp: 97152
Ion Ratio Lower Upper
84 100
86 62.2 43.5 80.9
49 99.6 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 45.163 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

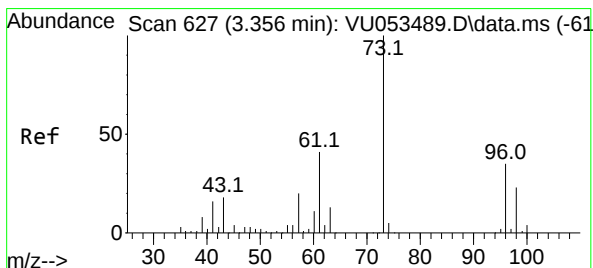
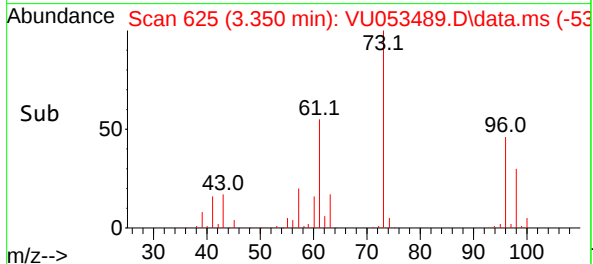
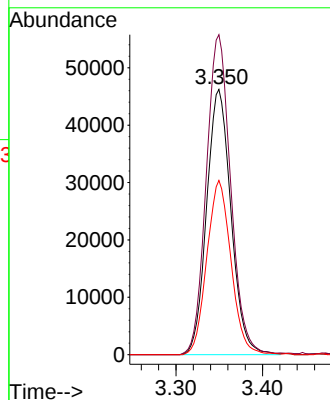
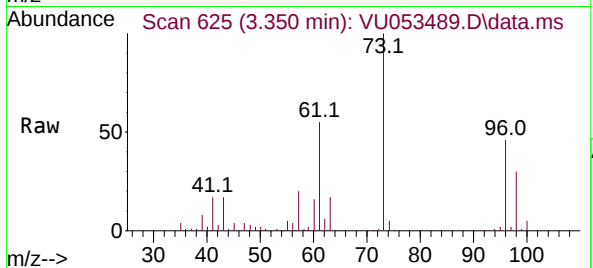
Tgt Ion: 96 Resp: 90588

Ion Ratio Lower Upper

96 100

61 120.6 84.4 156.8

98 65.7 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 42.852 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

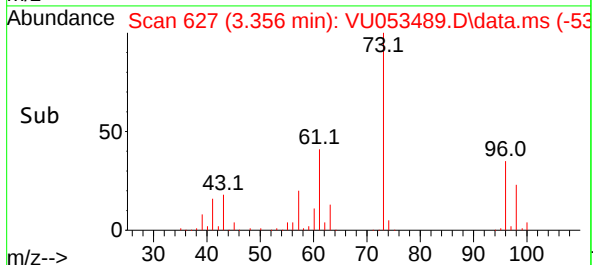
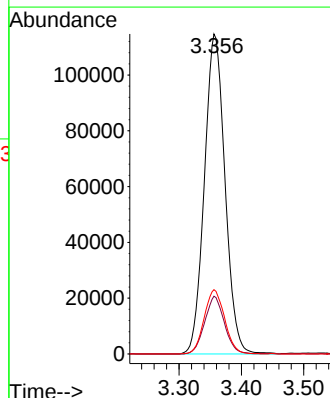
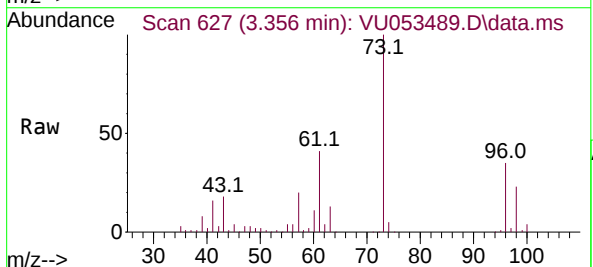
Tgt Ion: 73 Resp: 263694

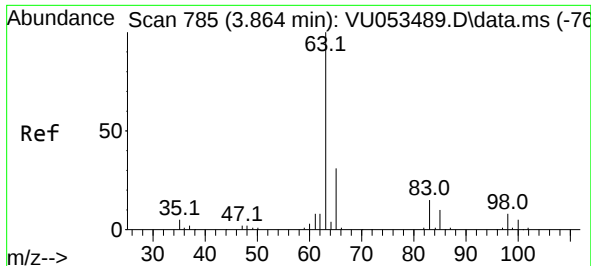
Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.8

57 19.9 15.9 23.9





#19

1,1-Dichloroethane

Concen: 44.121 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

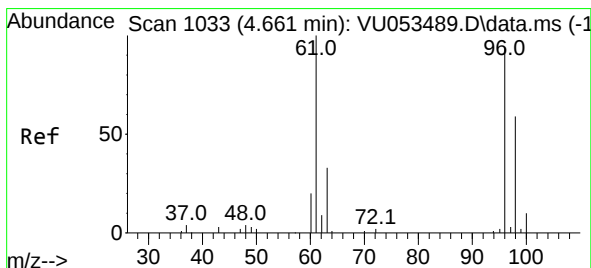
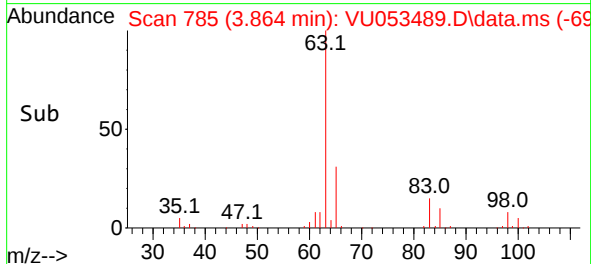
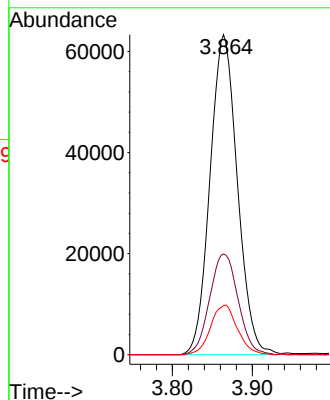
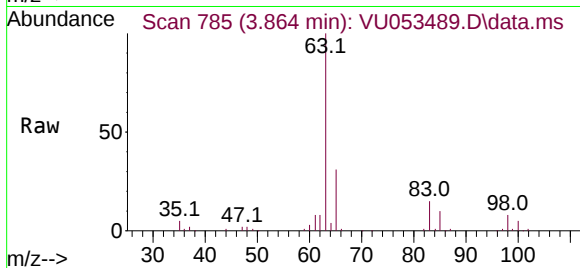
Tgt Ion: 63 Resp: 150511

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 15.4 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 46.489 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

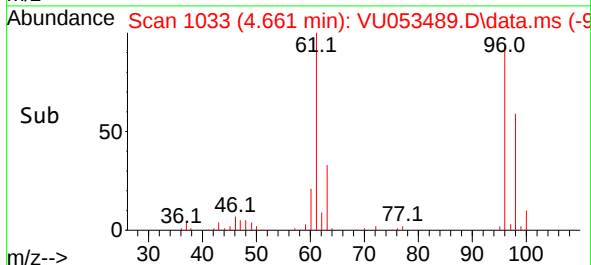
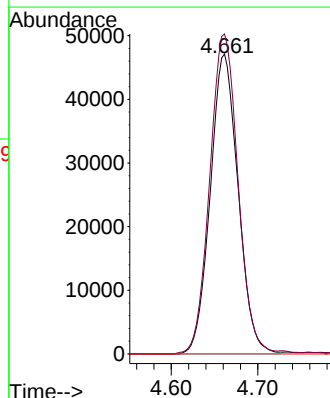
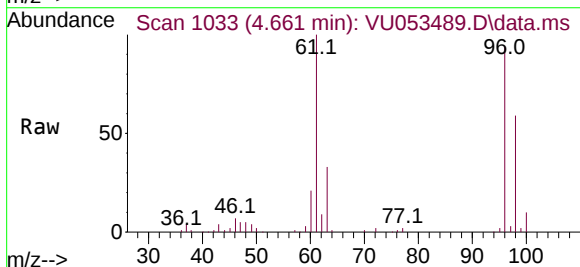
Tgt Ion: 96 Resp: 105281

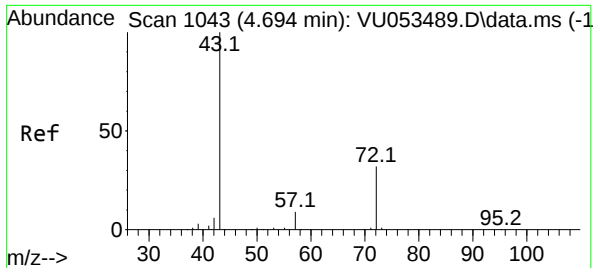
Ion Ratio Lower Upper

96 100

61 106.7 74.7 138.7

68 0.0 0.0 0.0

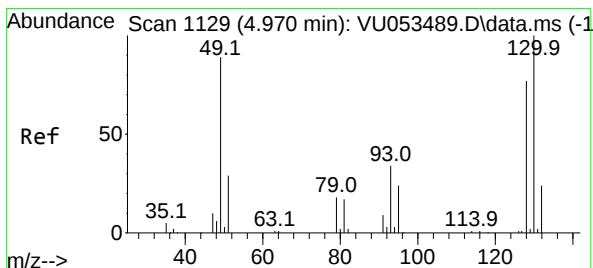
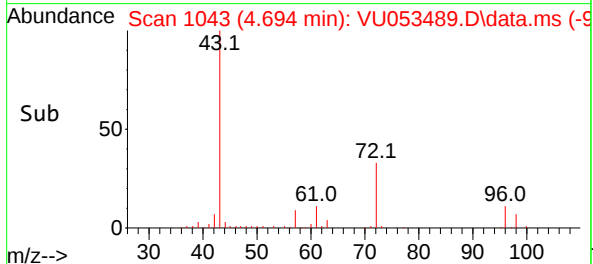
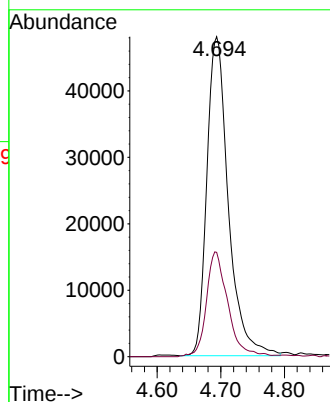
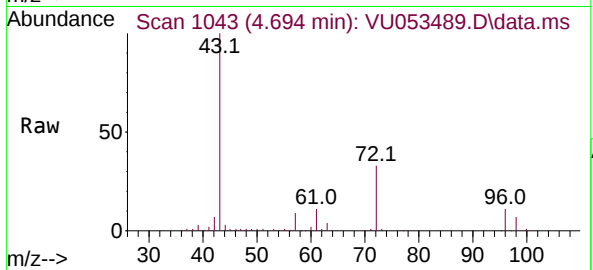




#22
2-Butanone
Concen: 100.077 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

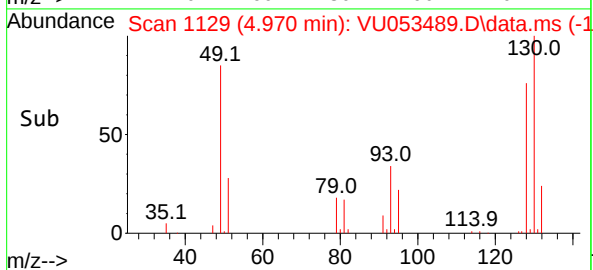
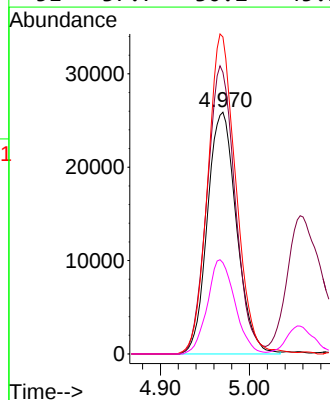
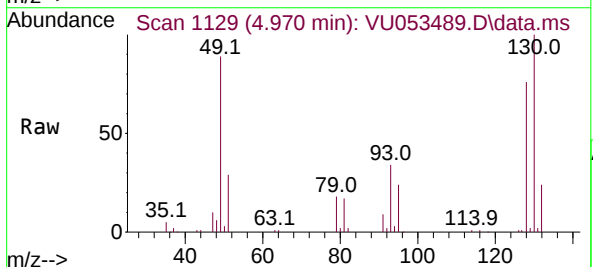
Instrument :
MSVOA_W
ClientSampleId :

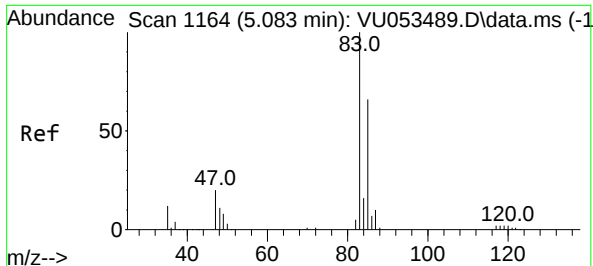
Tgt Ion: 43 Resp: 112531
Ion Ratio Lower Upper
43 100
72 31.5 15.8 47.3



#23
Bromochloromethane
Concen: 47.469 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:128 Resp: 58748
Ion Ratio Lower Upper
128 100
49 116.4 81.5 151.3
130 131.1 91.8 170.4
51 37.7 30.2 45.2





#25

Chloroform

Concen: 45.237 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

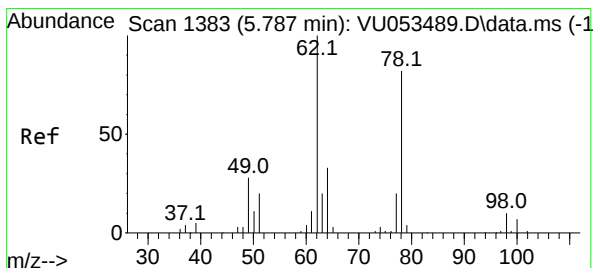
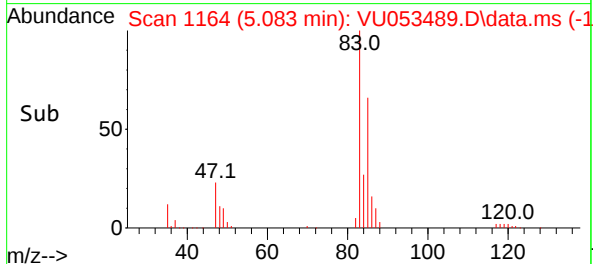
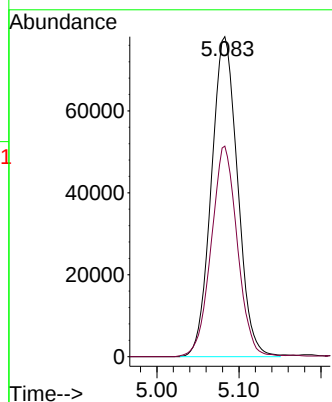
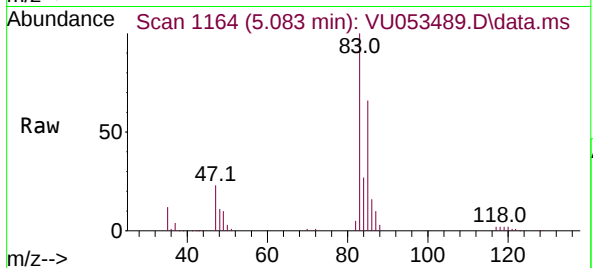
ClientSampleId :

Tgt Ion: 83 Resp: 173545

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 44.939 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053489.D

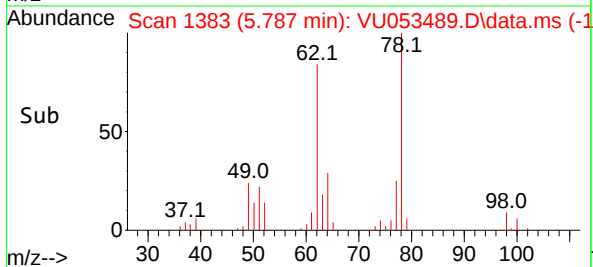
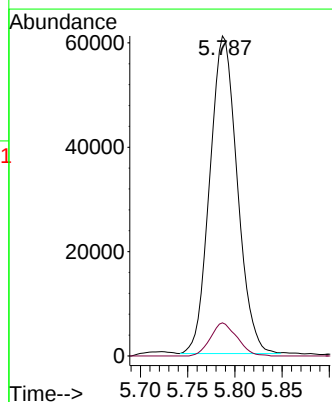
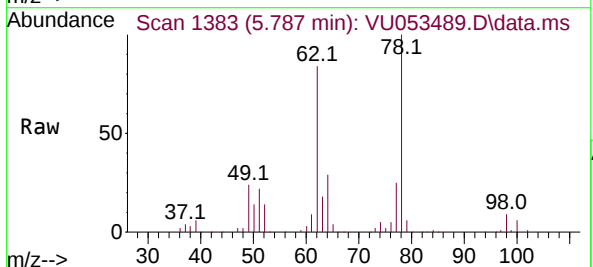
Acq: 31 Mar 2023 13:17

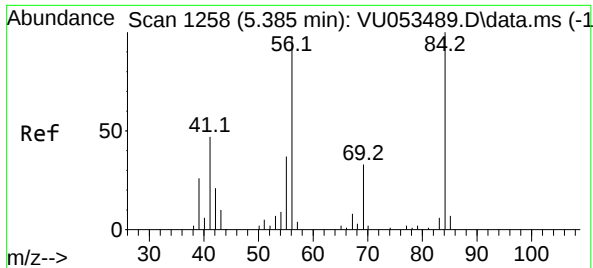
Tgt Ion: 62 Resp: 123054

Ion Ratio Lower Upper

62 100

98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 42.210 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

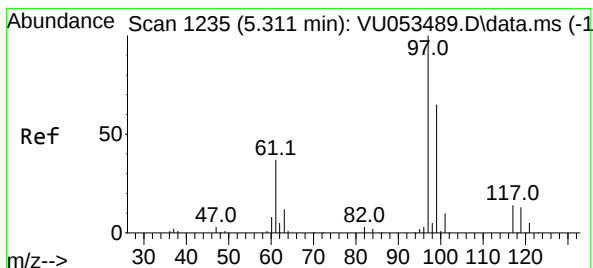
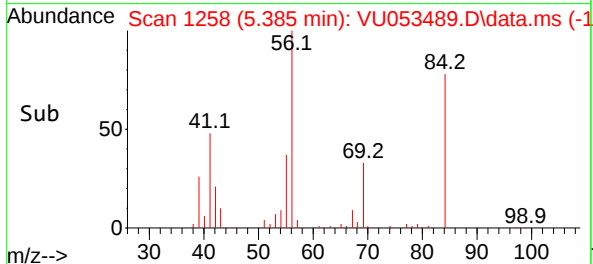
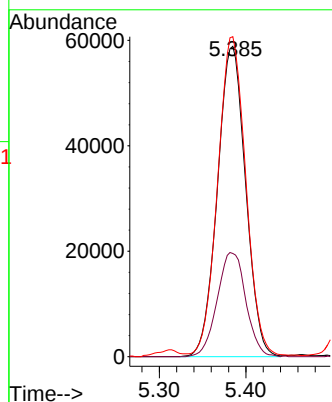
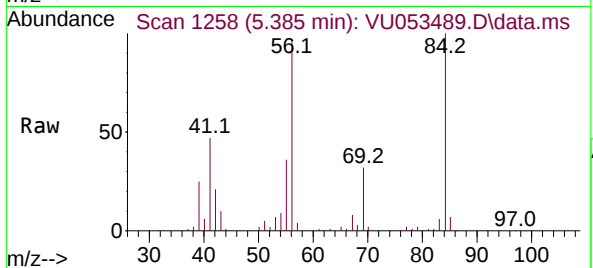
Tgt Ion: 56 Resp: 133060

Ion Ratio Lower Upper

56 100

69 34.1 27.3 40.9

84 101.6 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 44.717 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

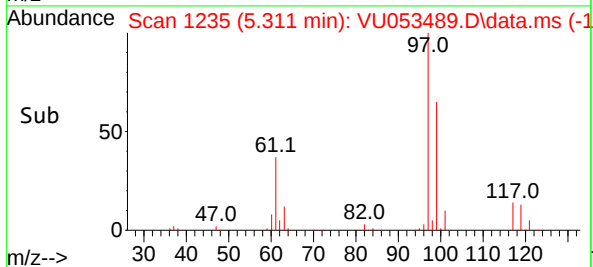
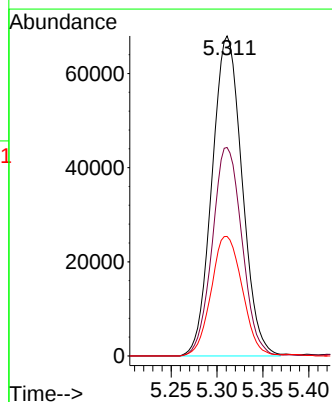
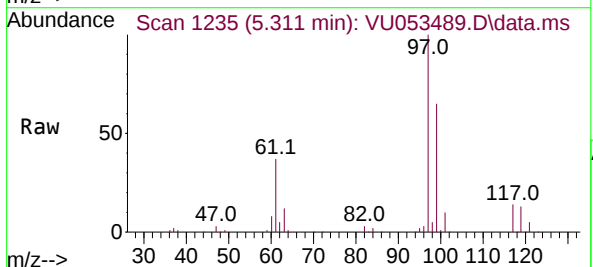
Tgt Ion: 97 Resp: 154998

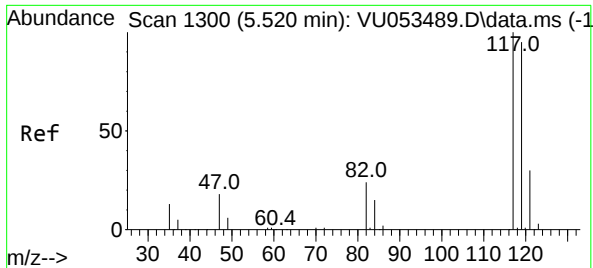
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 38.7 31.0 46.4

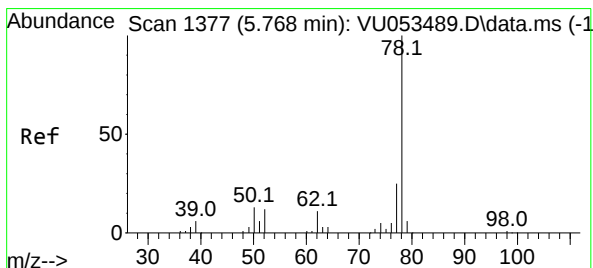
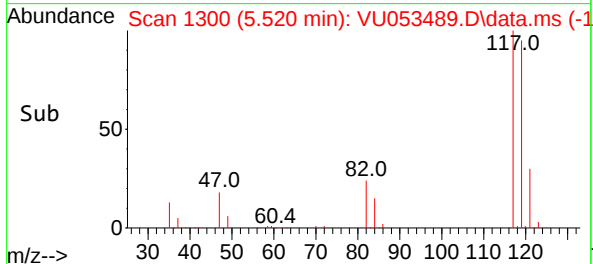
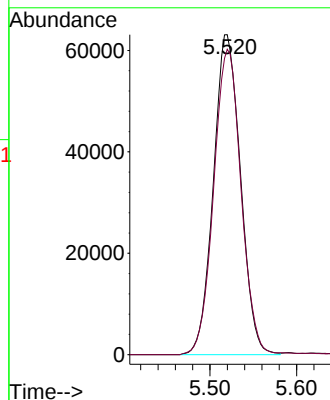
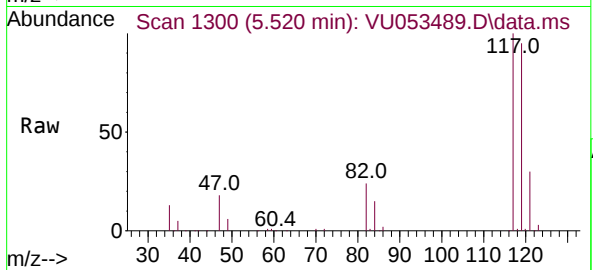




#31
Carbon tetrachloride
Concen: 45.151 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

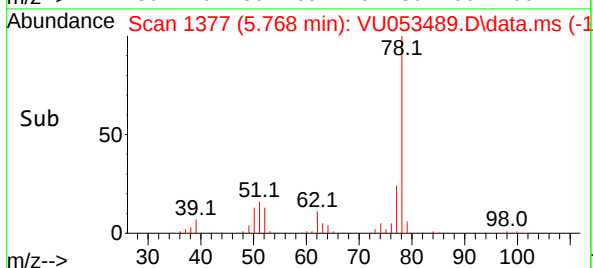
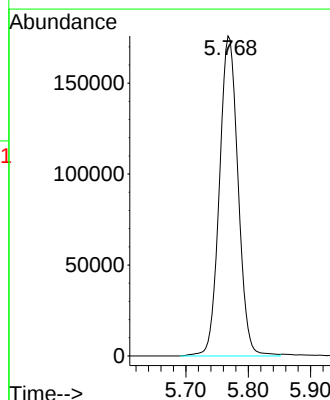
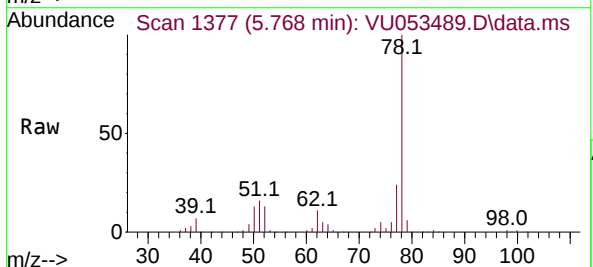
Instrument :
MSVOA_W
ClientSampleId :

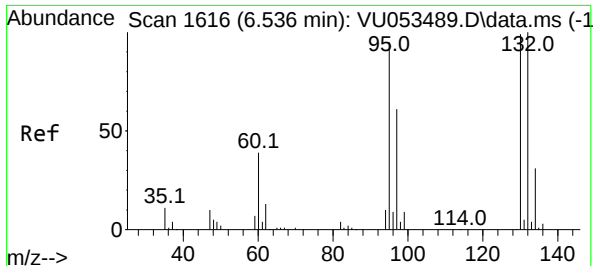
Tgt Ion:117 Resp: 137354
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 44.355 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion: 78 Resp: 365236





#34

Trichloroethene

Concen: 47.352 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 108116

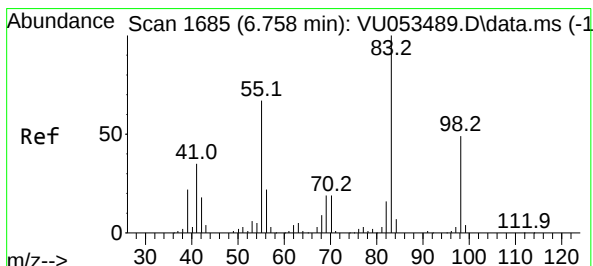
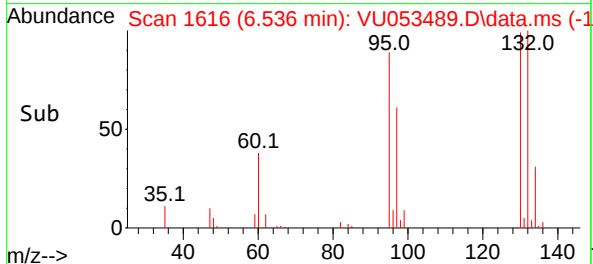
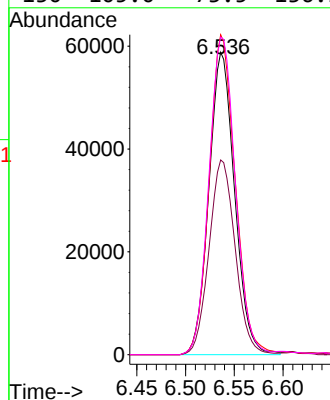
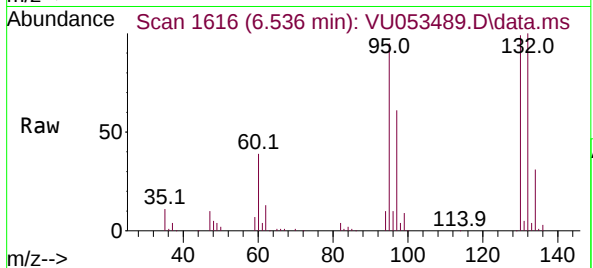
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 105.8 74.1 137.5

130 105.0 73.5 136.5



#35

Methylcyclohexane

Concen: 42.406 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

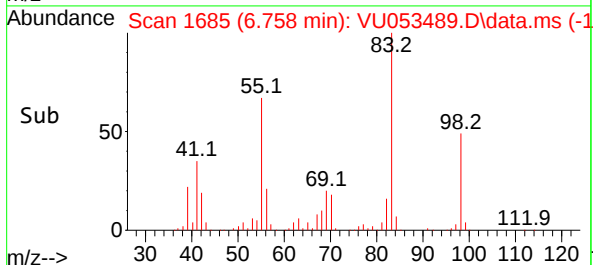
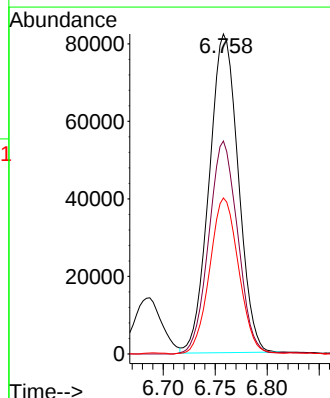
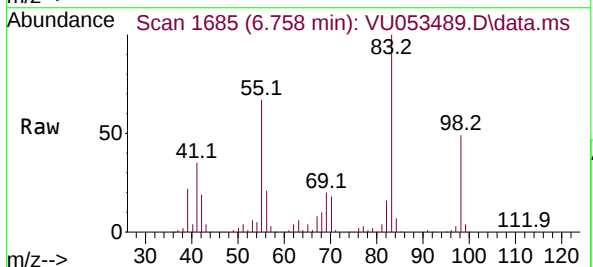
Tgt Ion: 83 Resp: 160279

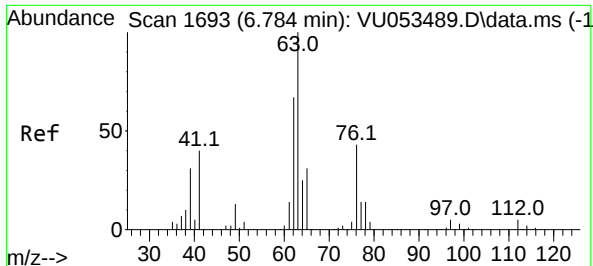
Ion Ratio Lower Upper

83 100

55 66.3 53.0 79.6

98 48.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 44.211 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

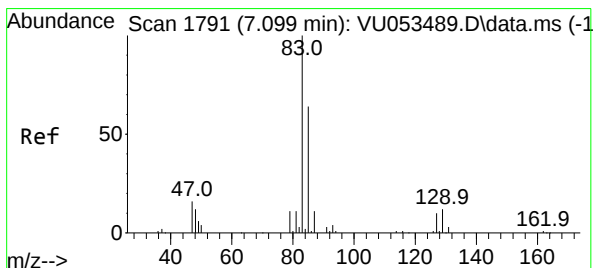
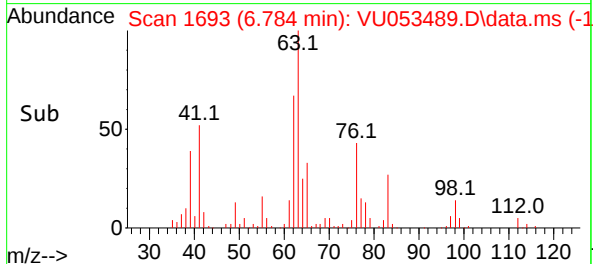
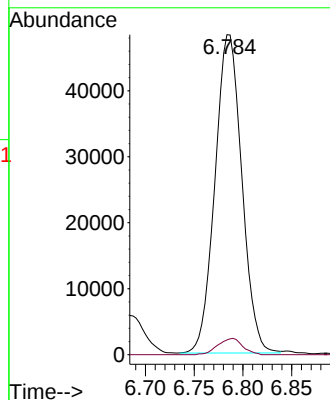
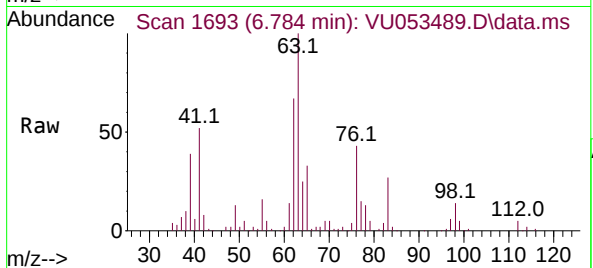
ClientSampleId :

Tgt Ion: 63 Resp: 92599

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 41.352 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

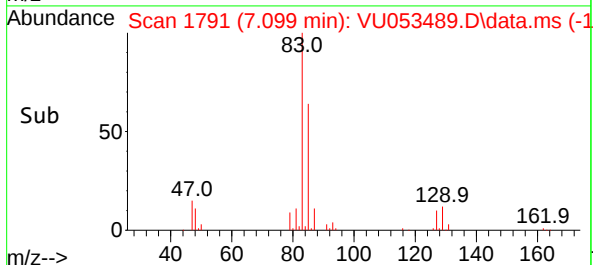
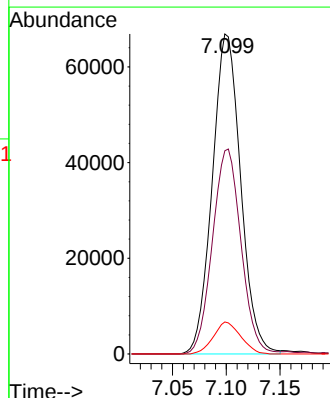
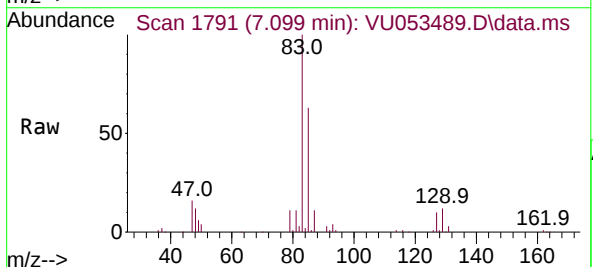
Tgt Ion: 83 Resp: 123016

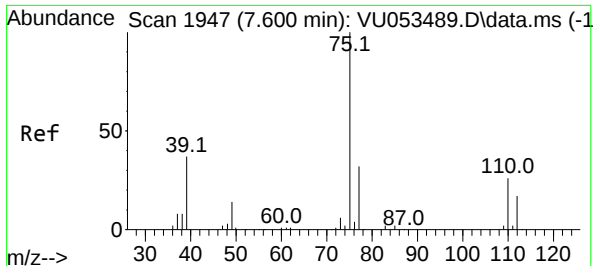
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

127 10.0 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 42.715 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

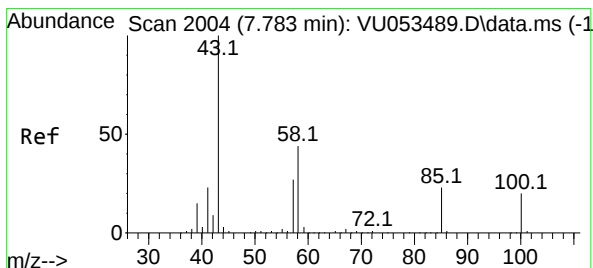
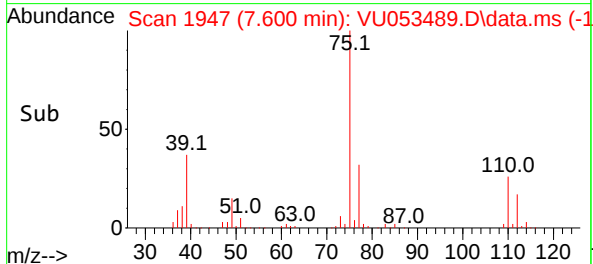
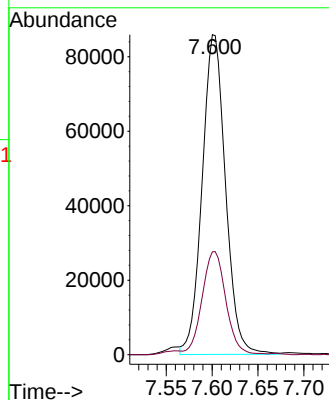
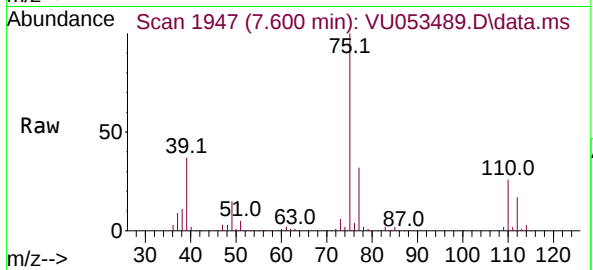
ClientSampleId :

Tgt Ion: 75 Resp: 152251

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 97.114 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

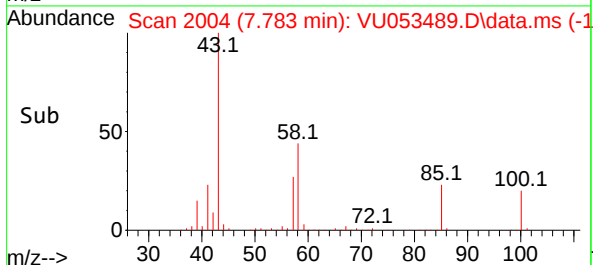
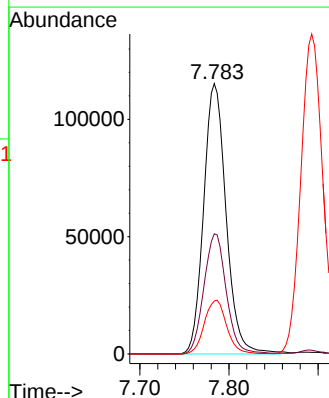
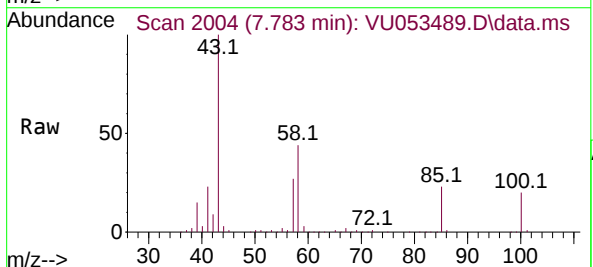
Tgt Ion: 43 Resp: 201651

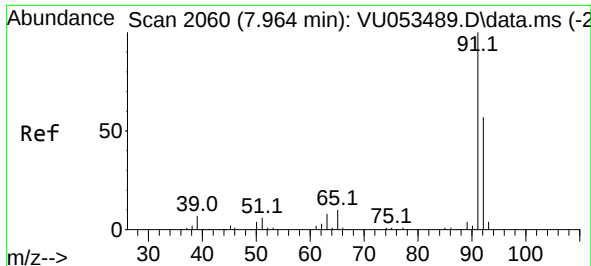
Ion Ratio Lower Upper

43 100

58 44.4 35.5 53.3

100 19.8 15.8 23.8





#42

Toluene

Concen: 44.297 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

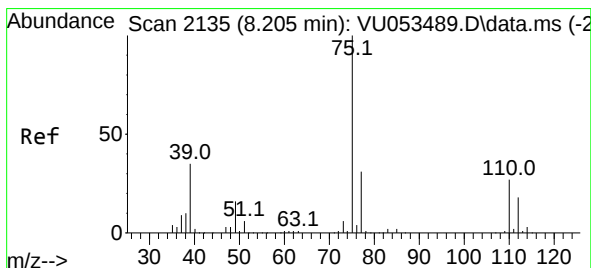
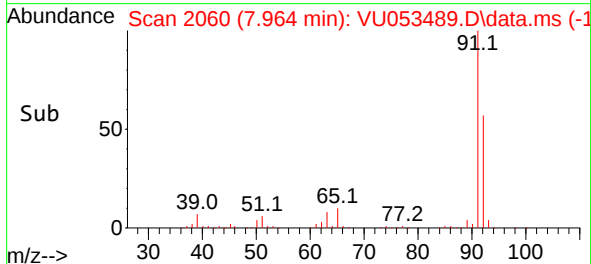
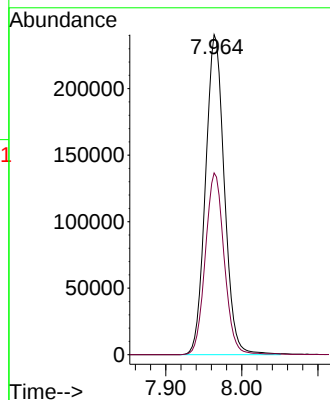
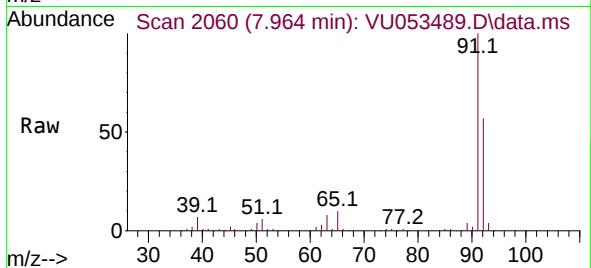
ClientSampleId :

Tgt Ion: 91 Resp: 413482

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 41.904 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053489.D

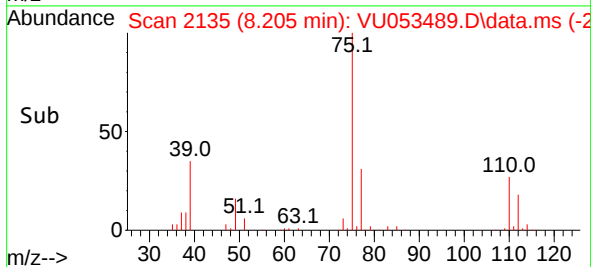
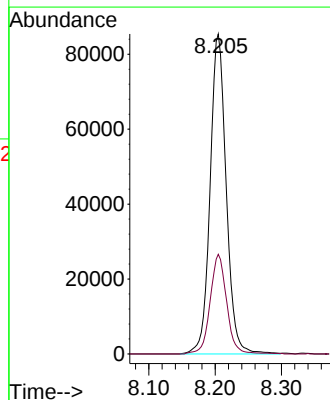
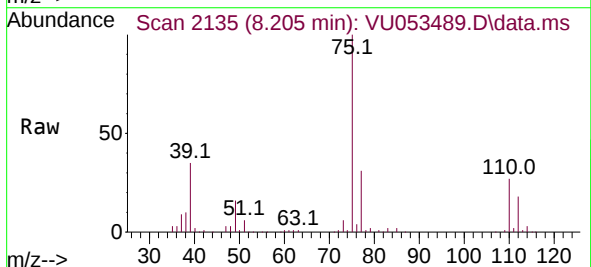
Acq: 31 Mar 2023 13:17

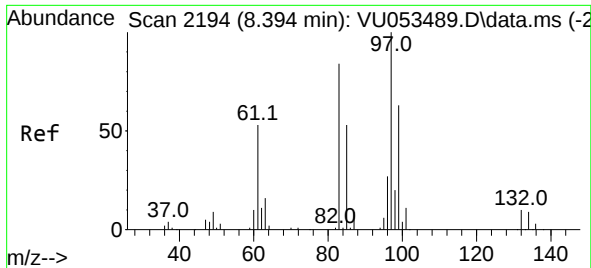
Tgt Ion: 75 Resp: 144208

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

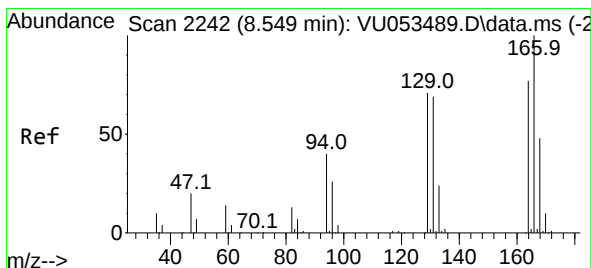
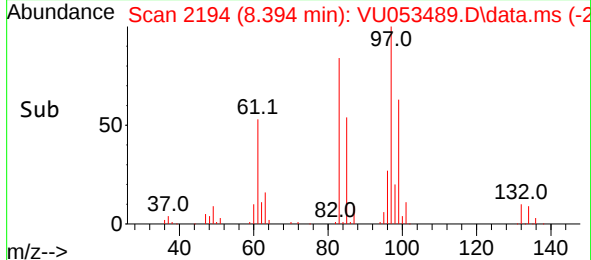
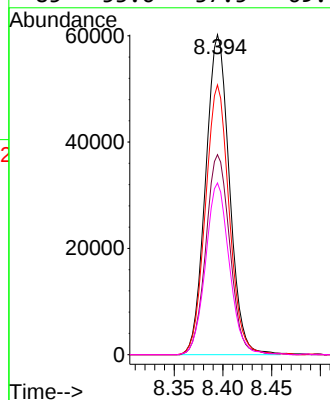
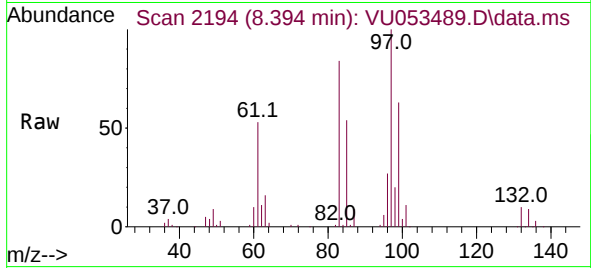




#45
1,1,2-Trichloroethane
Concen: 46.835 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

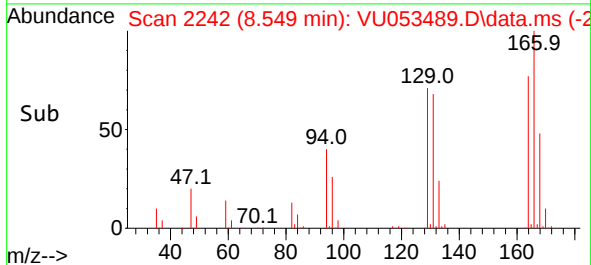
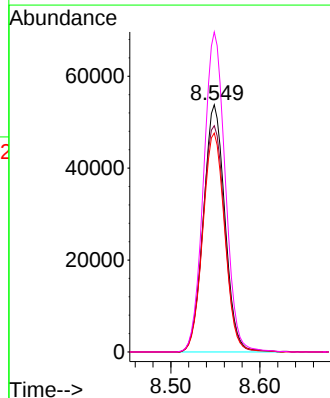
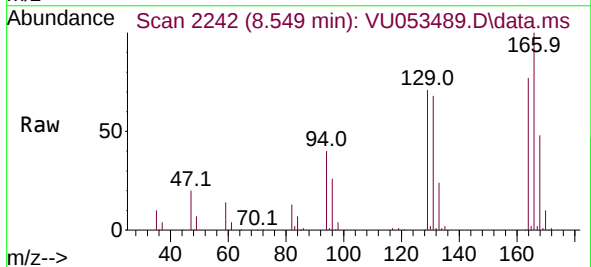
Instrument :
MSVOA_W
ClientSampleId :

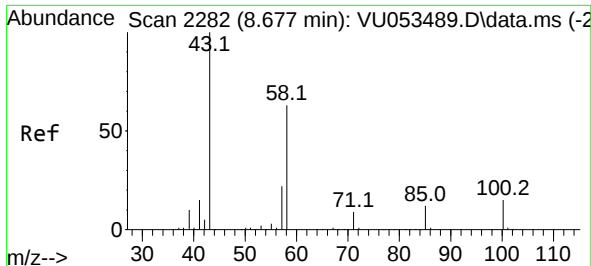
Tgt Ion:	97	Resp:	102385
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	84.3	59.0	109.6
85	53.6	37.5	69.7



#46
Tetrachloroethene
Concen: 49.595 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:	164	Resp:	90427
Ion	Ratio	Lower	Upper
164	100		
129	91.5	64.0	119.0
131	88.5	61.9	115.1
166	129.4	90.6	168.2

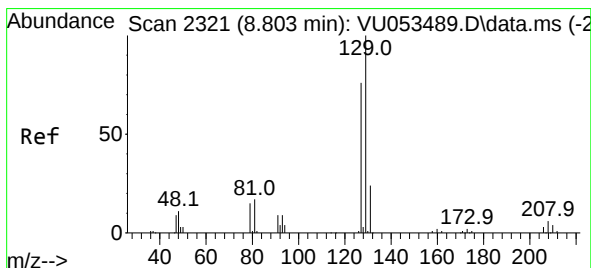
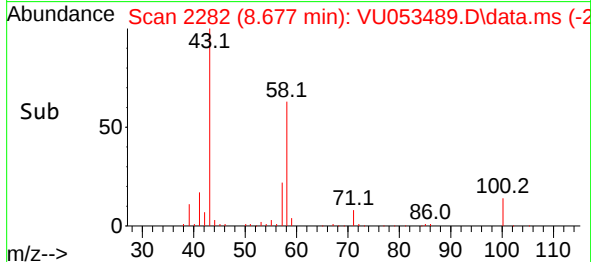
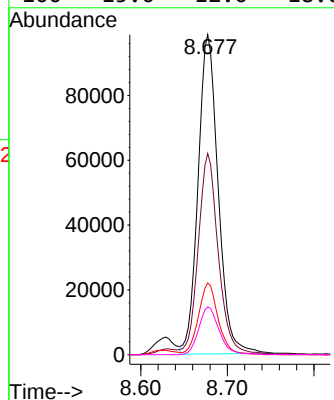
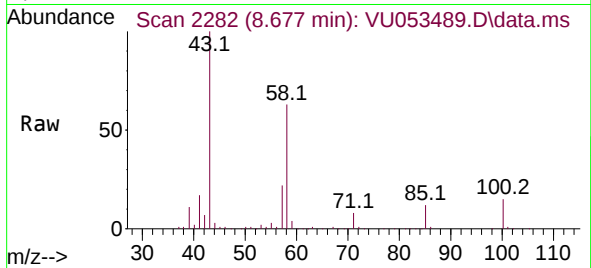




#48
2-Hexanone
Concen: 96.506 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

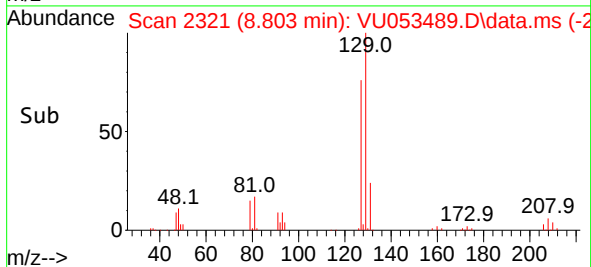
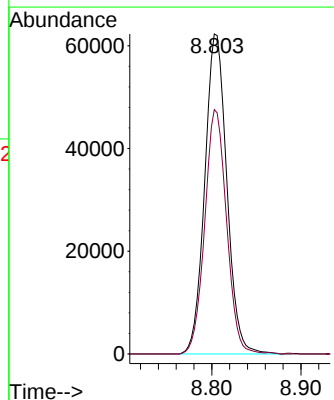
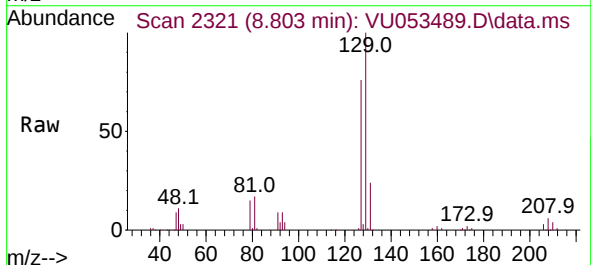
Instrument :
MSVOA_W
ClientSampleId :

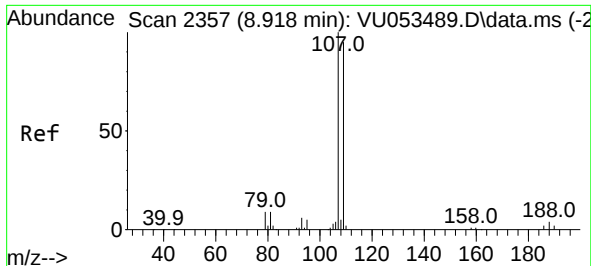
Tgt Ion:	43	Resp:	159356
Ion	Ratio	Lower	Upper
43	100		
58	62.2	49.8	74.6
57	22.2	17.8	26.6
100	15.0	12.0	18.0



#49
Dibromochloromethane
Concen: 41.727 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:	129	Resp:	107259
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.5	99.3





#50

1,2-Dibromoethane

Concen: 47.778 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

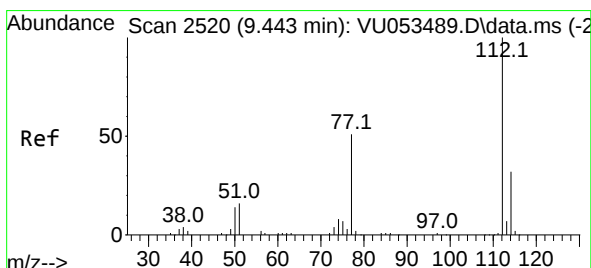
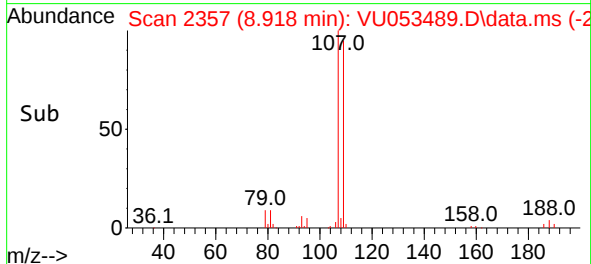
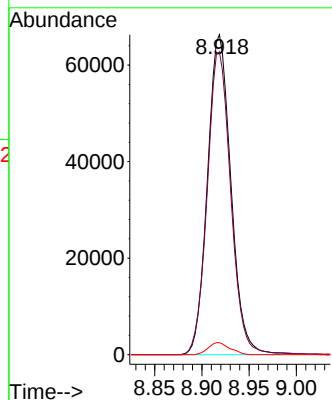
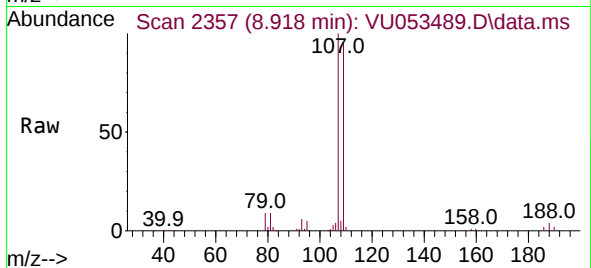
Tgt Ion:107 Resp: 114265

Ion Ratio Lower Upper

107 100

109 94.7 66.3 123.1

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 45.888 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

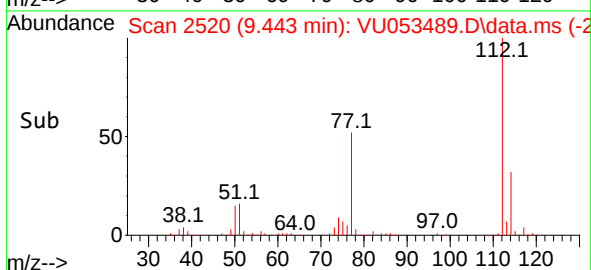
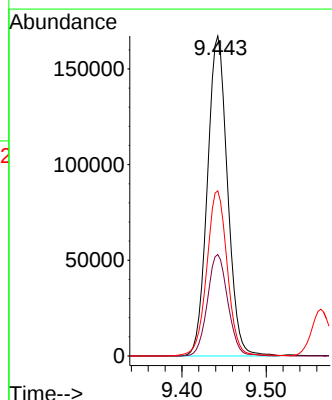
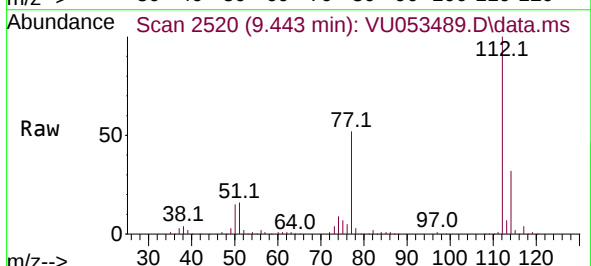
Tgt Ion:112 Resp: 278155

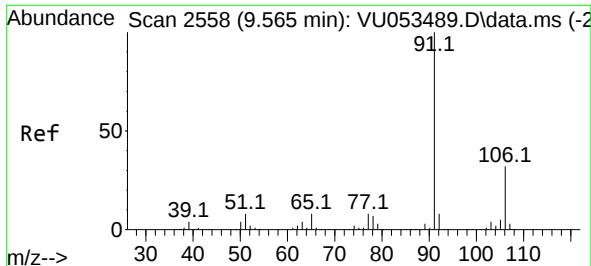
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 51.6 41.3 61.9

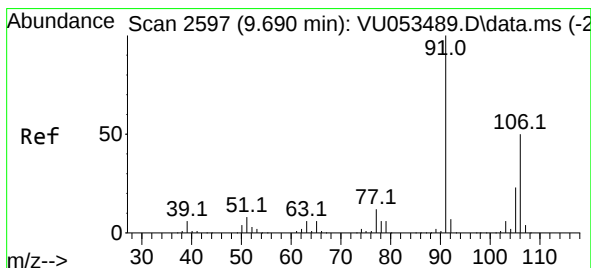
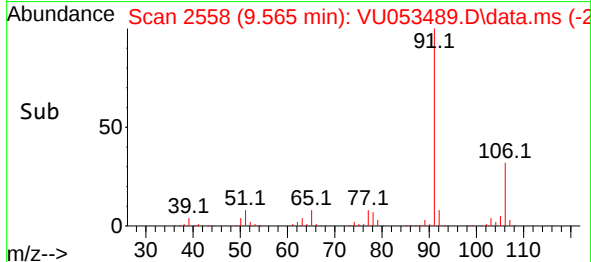
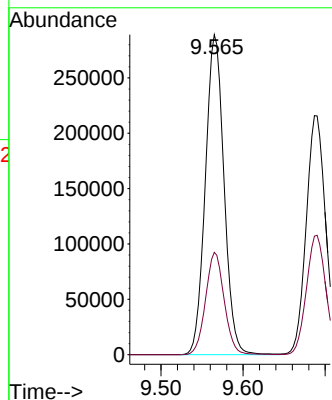
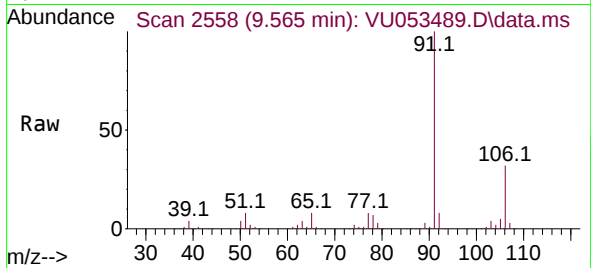




#52
Ethylbenzene
Concen: 44.437 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

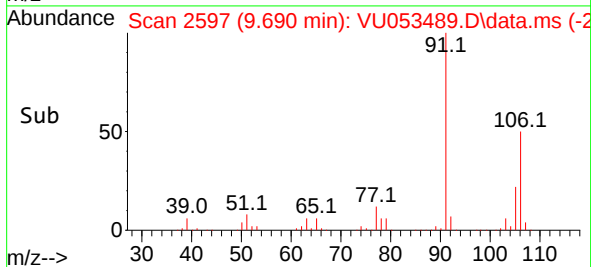
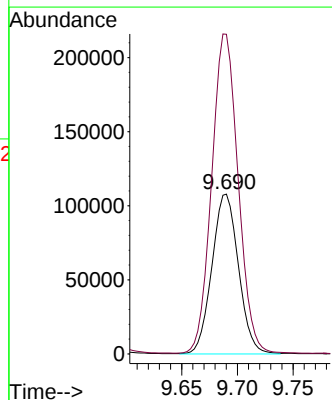
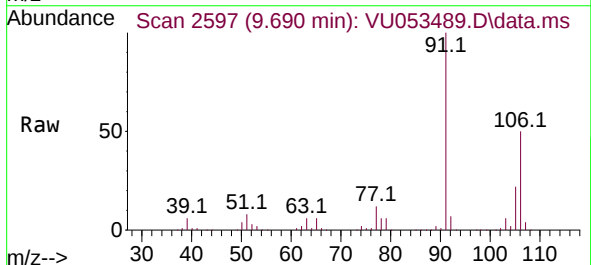
Instrument :
MSVOA_W
ClientSampleId :

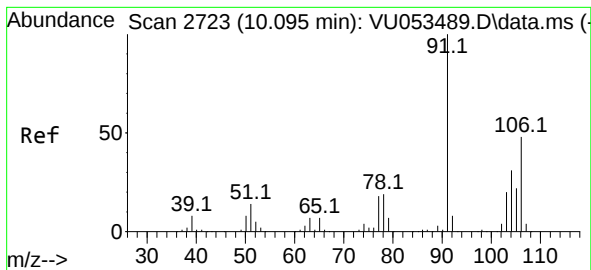
Tgt Ion: 91 Resp: 457168
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-Xylene
Concen: 44.115 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:106 Resp: 178805
Ion Ratio Lower Upper
106 100
91 200.0 140.0 260.0





#54

o-xylene

Concen: 44.284 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

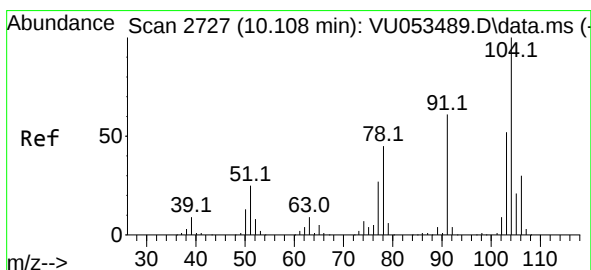
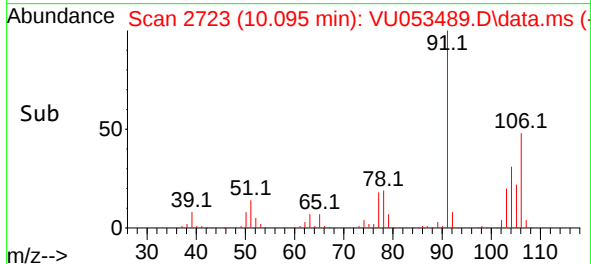
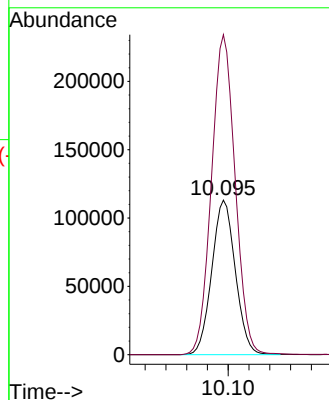
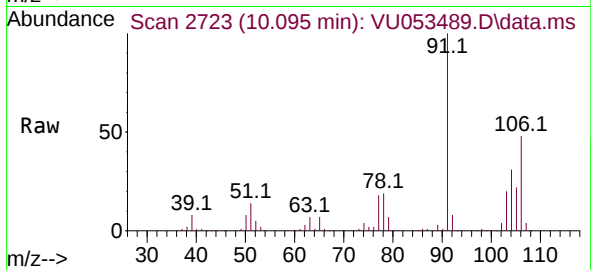
ClientSampleId :

Tgt Ion:106 Resp: 177982

Ion Ratio Lower Upper

106 100

91 207.0 144.9 269.1



#55

Styrene

Concen: 43.468 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053489.D

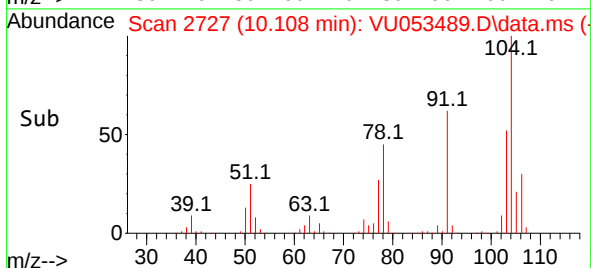
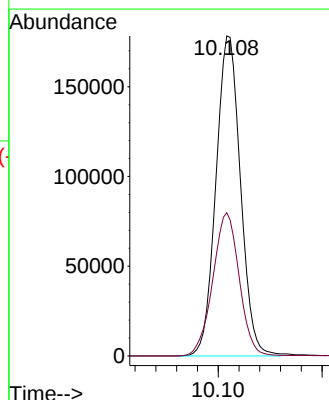
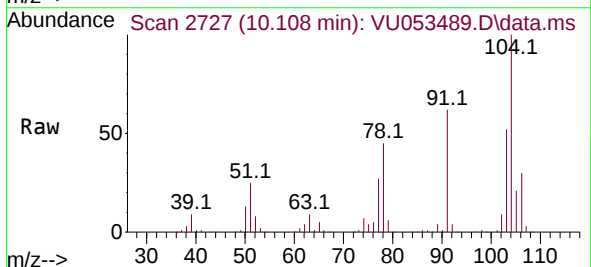
Acq: 31 Mar 2023 13:17

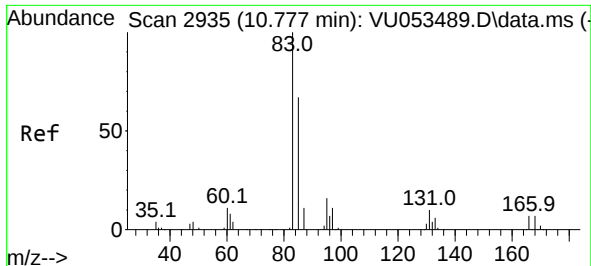
Tgt Ion:104 Resp: 292627

Ion Ratio Lower Upper

104 100

78 44.7 31.3 58.1

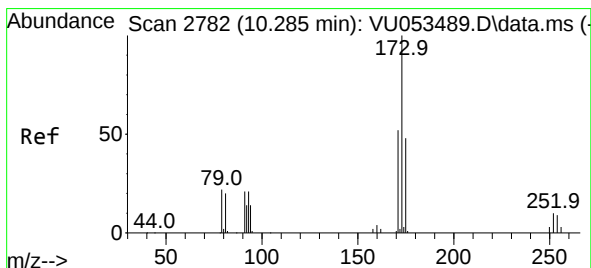
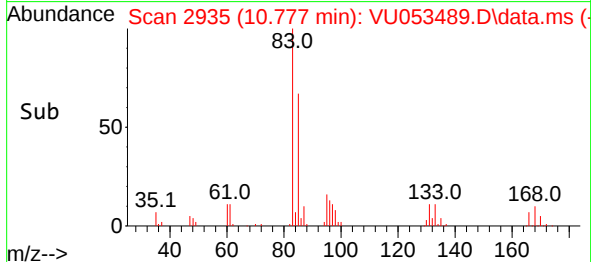
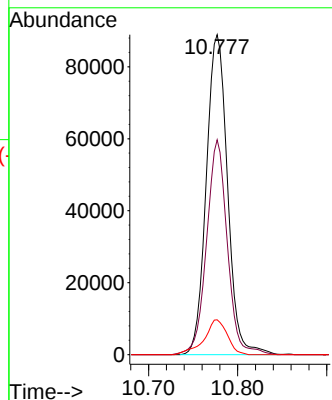
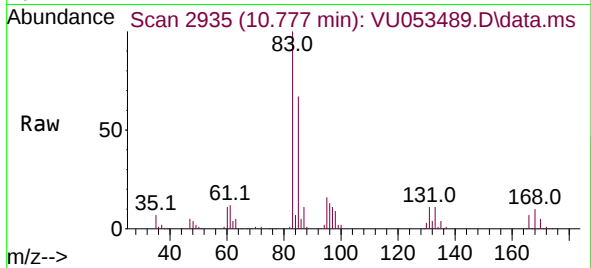




#57
1,1,2,2-Tetrachloroethane
Concen: 43.811 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

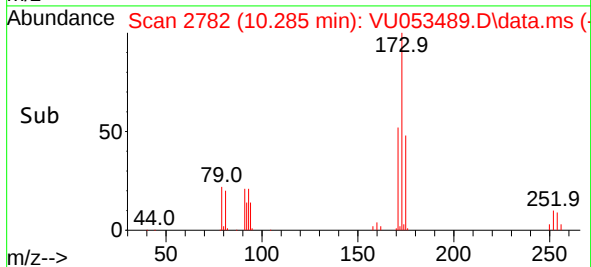
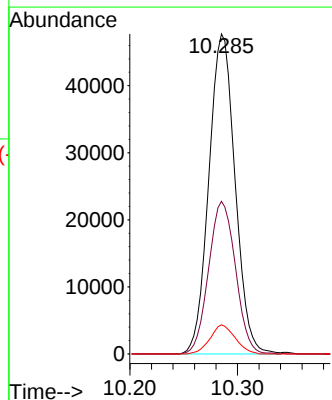
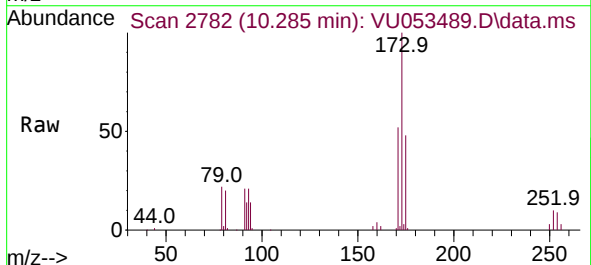
Instrument :
MSVOA_W
ClientSampleId :

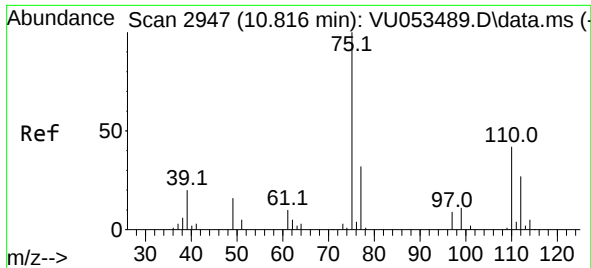
Tgt Ion: 83 Resp: 147110
Ion Ratio Lower Upper
83 100
85 67.2 47.0 87.4
131 10.9 8.7 13.1



#59
Bromoform
Concen: 40.864 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:173 Resp: 80814
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.6
254 8.7 7.0 10.4

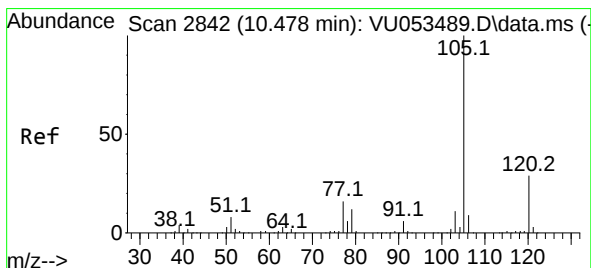
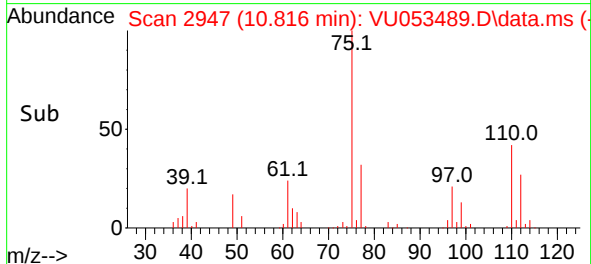
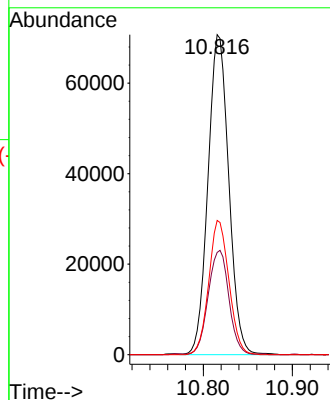
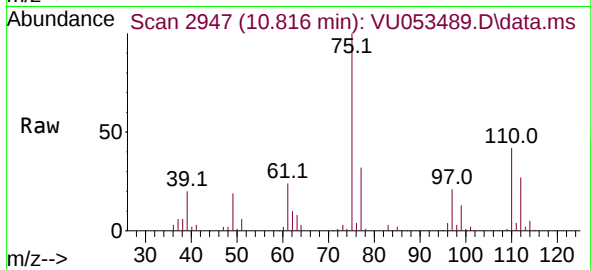




#60
1,2,3-Trichloropropane
Concen: 45.124 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

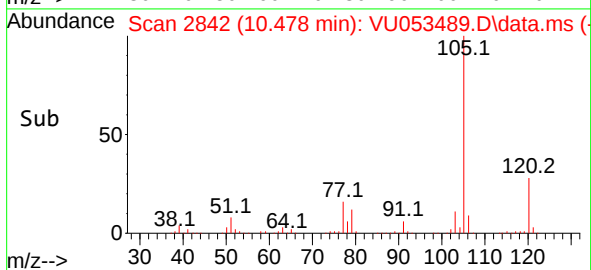
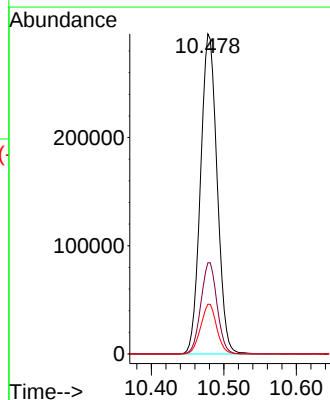
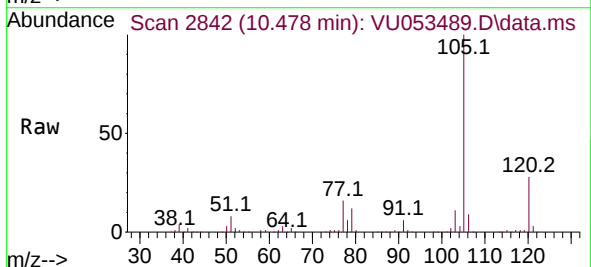
Instrument :
MSVOA_W
ClientSampleId :

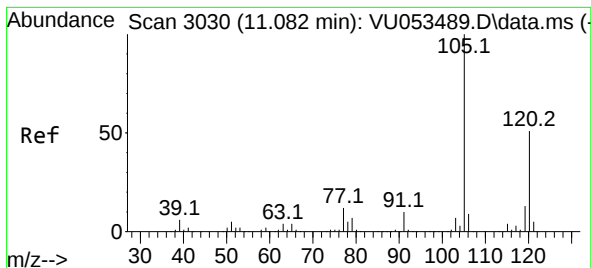
Tgt Ion: 75 Resp: 114752
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 40.7 32.6 48.8



#61
Isopropylbenzene
Concen: 44.277 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion: 105 Resp: 468849
Ion Ratio Lower Upper
105 100
120 28.0 22.4 33.6
77 15.1 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 42.391 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

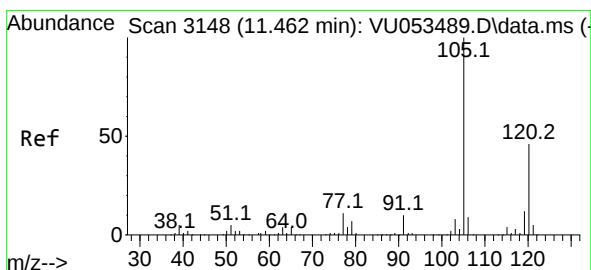
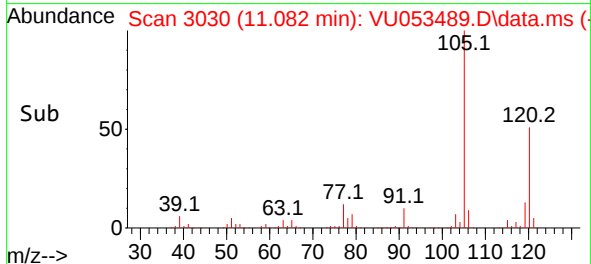
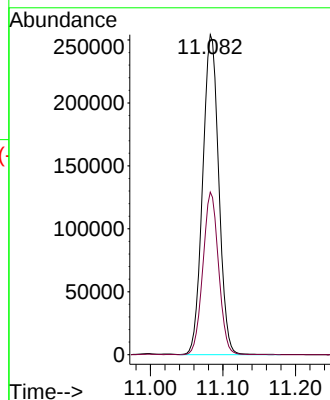
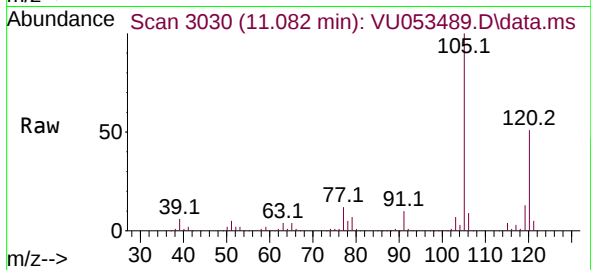
ClientSampleId :

Tgt Ion:105 Resp: 392069

Ion Ratio Lower Upper

105 100

120 49.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 42.915 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053489.D

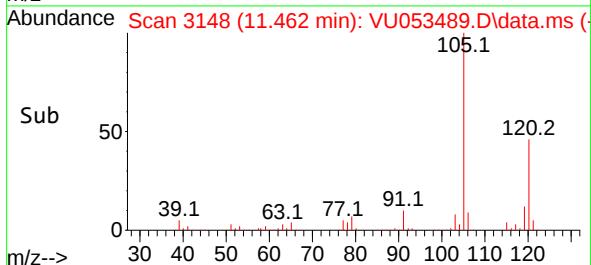
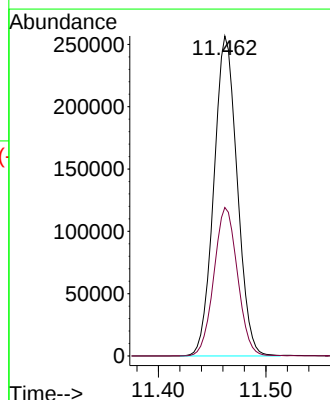
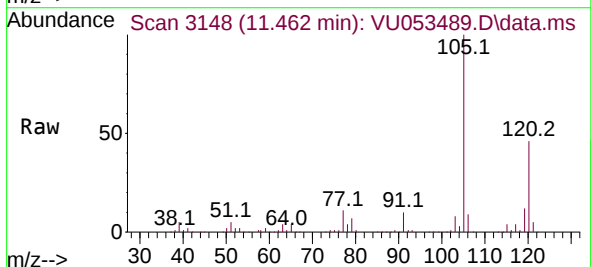
Acq: 31 Mar 2023 13:17

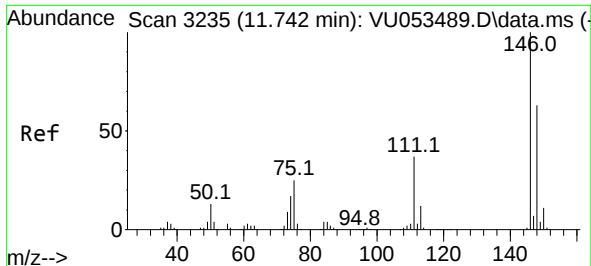
Tgt Ion:105 Resp: 386892

Ion Ratio Lower Upper

105 100

120 46.9 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 49.028 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

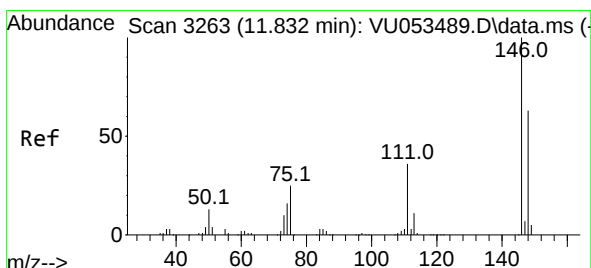
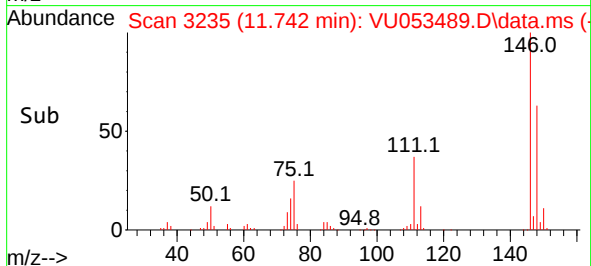
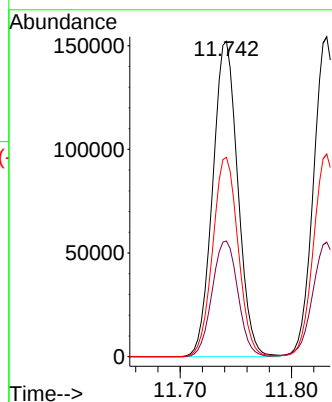
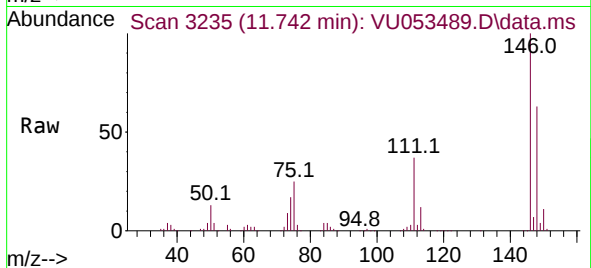
Tgt Ion:146 Resp: 238841

Ion Ratio Lower Upper

146 100

111 36.7 25.7 47.7

148 63.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 48.304 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

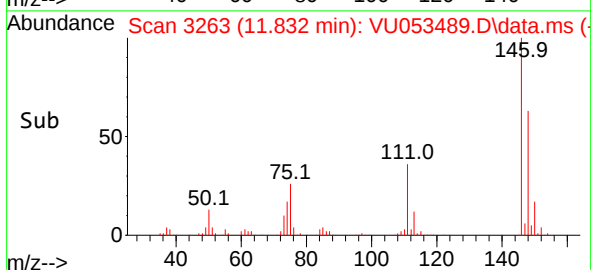
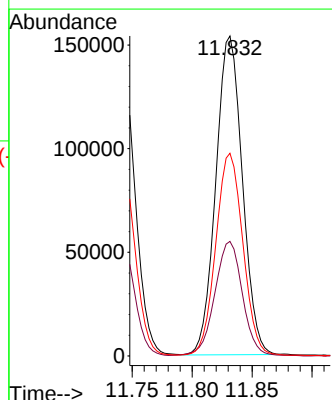
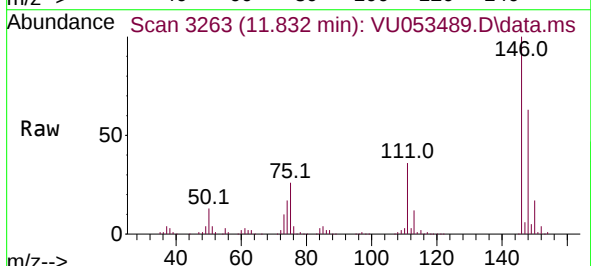
Tgt Ion:146 Resp: 236854

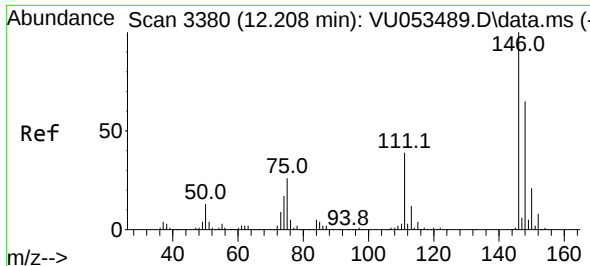
Ion Ratio Lower Upper

146 100

111 35.8 25.1 46.5

148 63.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.636 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

Instrument :

MSVOA_W

ClientSampleId :

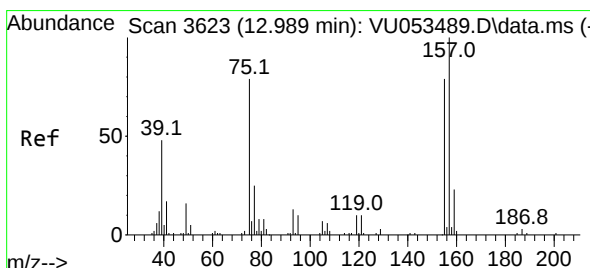
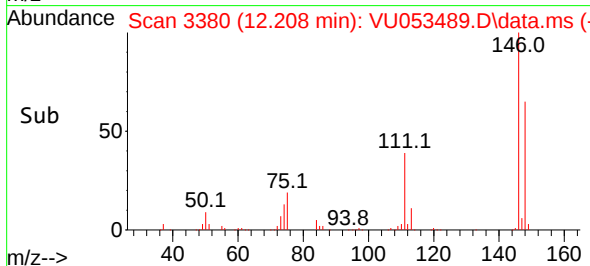
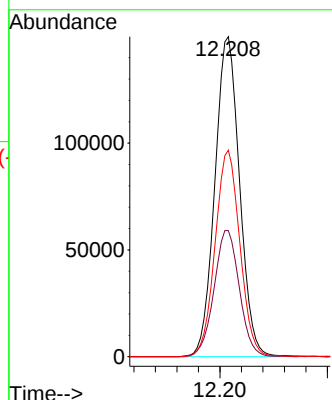
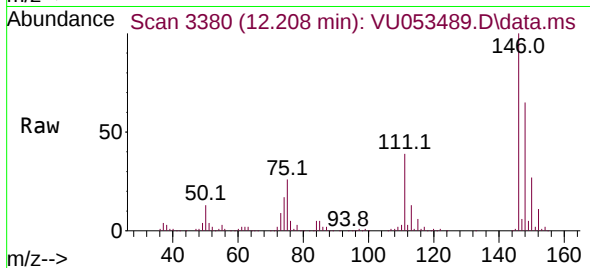
Tgt Ion:146 Resp: 238753

Ion Ratio Lower Upper

146 100

111 39.4 31.5 47.3

148 64.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 40.145 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053489.D

Acq: 31 Mar 2023 13:17

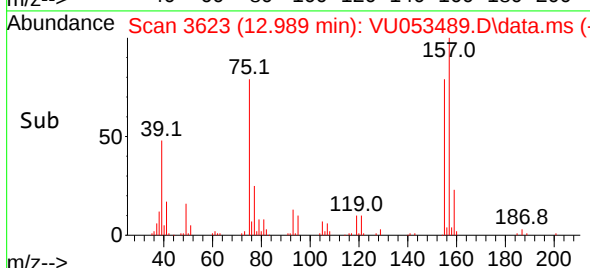
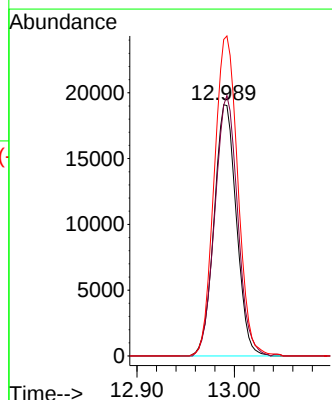
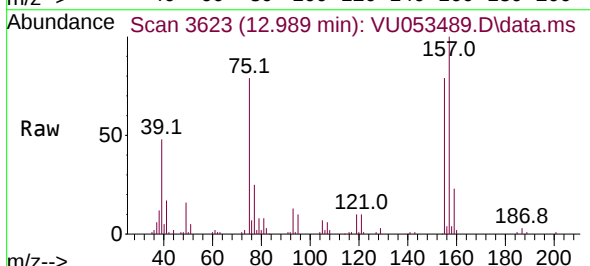
Tgt Ion: 75 Resp: 30328

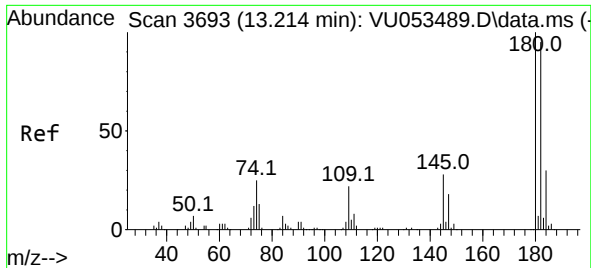
Ion Ratio Lower Upper

75 100

155 99.9 79.9 119.9

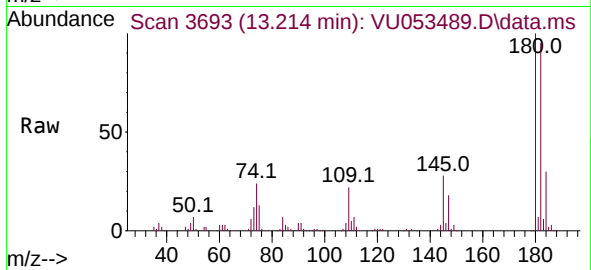
157 126.0 100.8 151.2



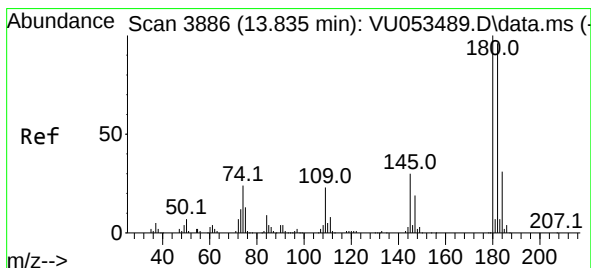
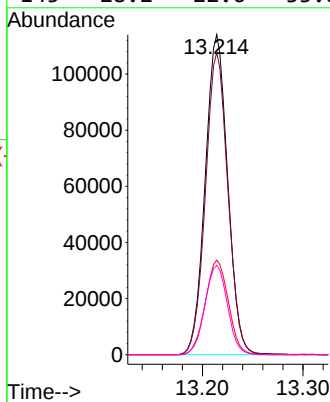
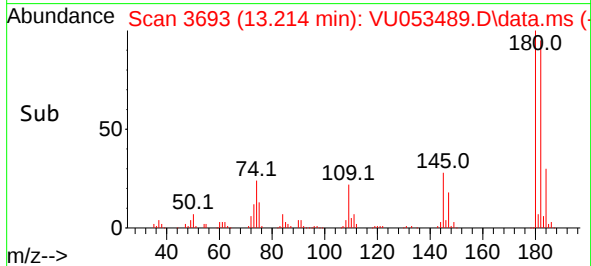


#69
 1,3,5-Trichlorobenzene
 Concen: 47.289 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053489.D
 Acq: 31 Mar 2023 13:17

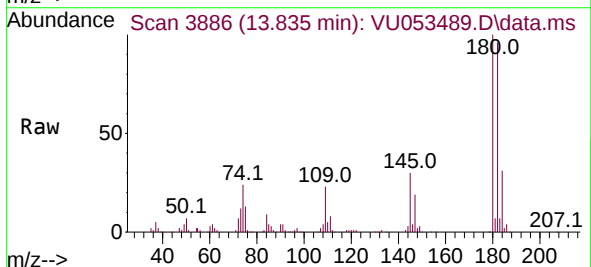
Instrument :
 MSVOA_W
 ClientSampleId :



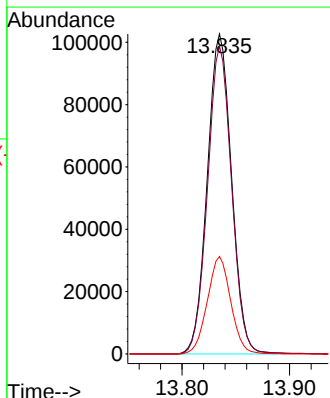
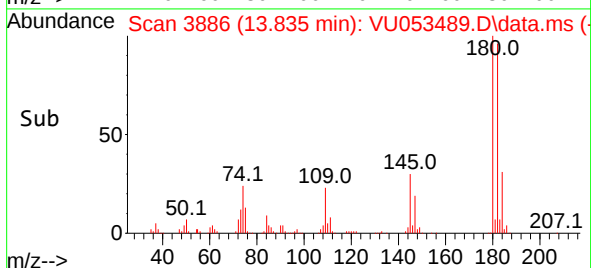
Tgt Ion:180 Resp: 176689
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 184 30.2 24.2 36.2
 145 28.2 22.6 33.8

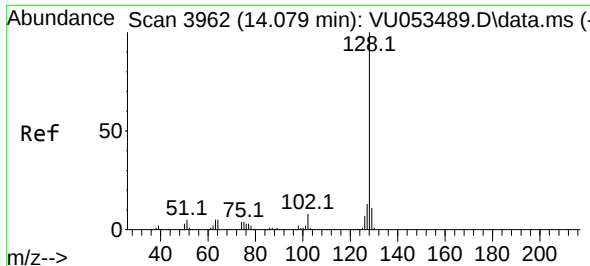


#70
 1,2,4-trichlorobenzene
 Concen: 47.947 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053489.D
 Acq: 31 Mar 2023 13:17



Tgt Ion:180 Resp: 161304
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 29.3 23.4 35.2

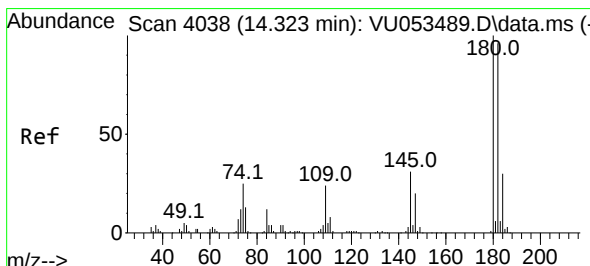
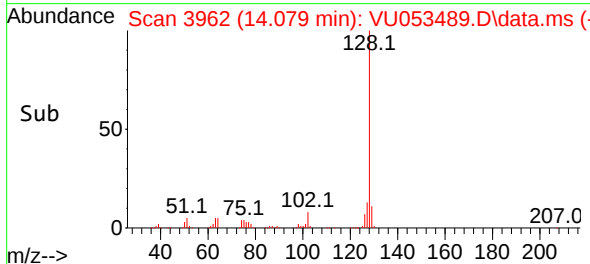
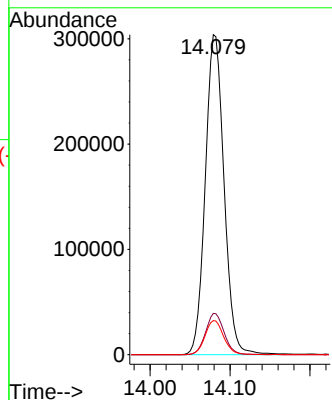
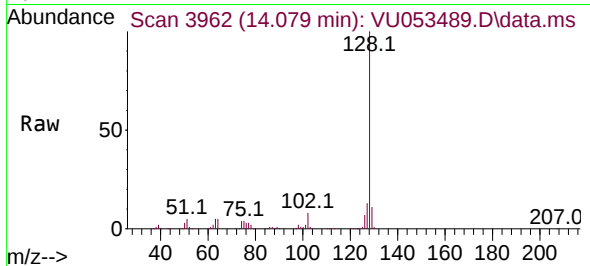




#71
Naphthalene
Concen: 49.282 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 495974
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 49.204 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053489.D
Acq: 31 Mar 2023 13:17

Tgt Ion:180 Resp: 162622
Ion Ratio Lower Upper
180 100
182 96.3 77.0 115.6
145 31.7 25.4 38.0

