

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051022\
 Data File : VU048504.D
 Acq On : 10 May 2022 20:18
 Operator : SY/MD
 Sample : N2736-04MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 11 05:25:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 11 05:17:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	272987	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	269089	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	153635	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	78240	33.279	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.560%
7) Chloroethane-d5	1.912	69	63023	41.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.140%
11) 1,1-Dichloroethene-d2	2.571	63	173116	41.374	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.740%
21) 2-Butanone-d5	4.616	46	160245	80.034	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.030%
24) Chloroform-d	5.063	84	196164	48.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
26) 1,2-Dichloroethane-d4	5.700	65	133004	50.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
32) Benzene-d6	5.729	84	352793	43.144	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.280%
36) 1,2-Dichloropropane-d6	6.690	67	107564	40.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.680%
41) Toluene-d8	7.899	98	324955	44.934	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.860%
43) trans-1,3-Dichloroprop...	8.179	79	41749	34.017	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.040%
47) 2-Hexanone-d5	8.629	63	122193	94.678	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	172226	42.402	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	134914	44.347	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	109880	44.496	ug/L	99
3) Chloromethane	1.523	50	97779	34.617	ug/L	100
5) Vinyl chloride	1.604	62	96167	35.838	ug/L	99
6) Bromomethane	1.854	94	55879	42.109	ug/L	99
8) Chloroethane	1.932	64	59045	40.927	ug/L	99
9) Trichlorofluoromethane	2.137	101	174162	49.399	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	82164	40.612	ug/L	99
12) 1,1-Dichloroethene	2.581	96	82769	43.270	ug/L	100
13) Acetone	2.623	43	111559	73.904	ug/L	98
14) Carbon disulfide	2.793	76	238811	40.279	ug/L	98
15) Methyl Acetate	2.948	43	78797	25.481	ug/L #	91
16) Methylene chloride	3.047	84	100719	43.057	ug/L	89
17) trans-1,2-Dichloroethene	3.356	96	91153	44.666	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	327581	47.664	ug/L	97
19) 1,1-Dichloroethane	3.870	63	179536	42.665	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	104543	45.396	ug/L	93
22) 2-Butanone	4.697	43	170161	75.410	ug/L	94
23) Bromochloromethane	4.976	128	56718	46.734	ug/L	83
25) Chloroform	5.089	83	198478	47.764	ug/L	99

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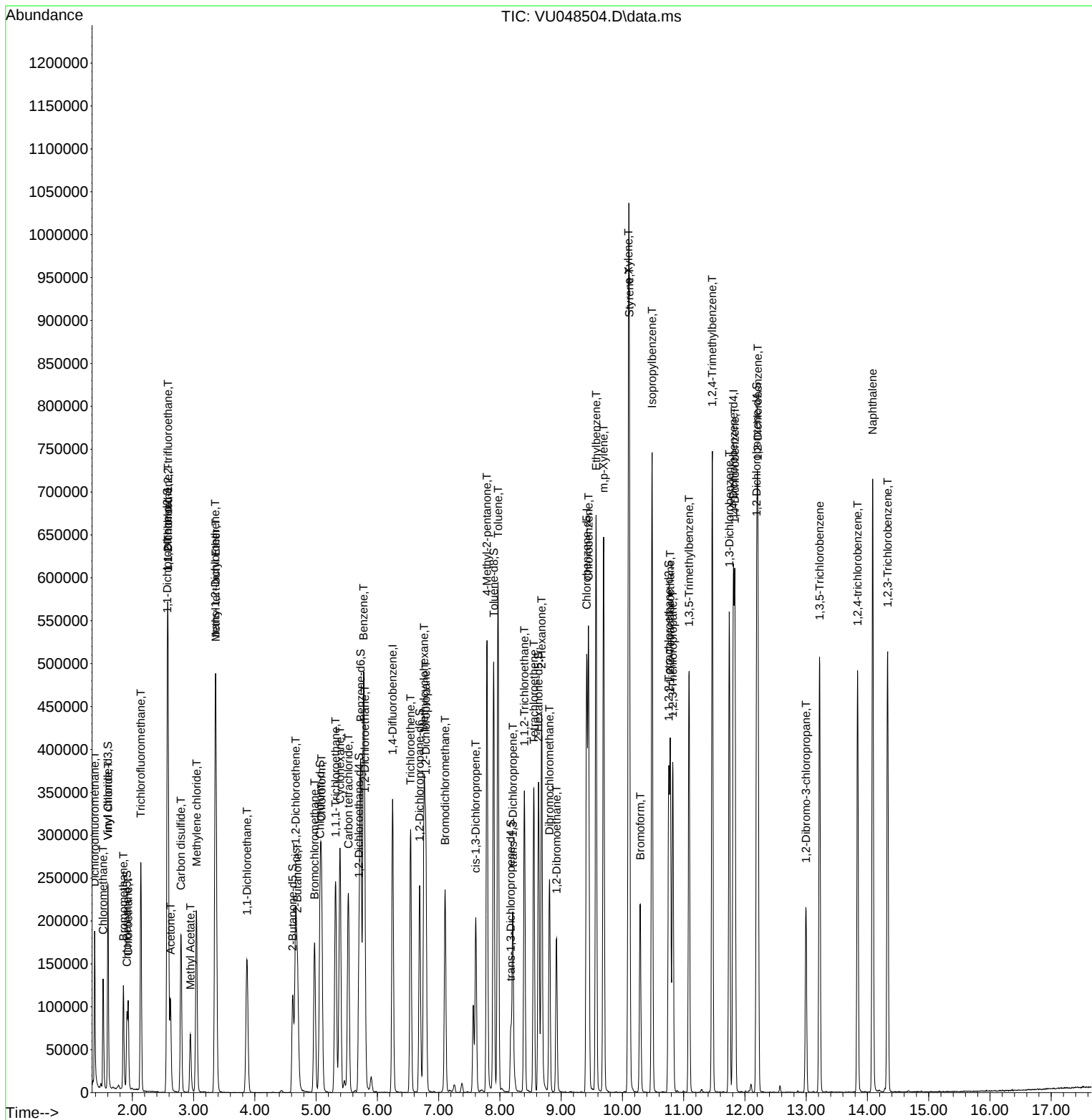
Instrument :
 MSVOA_U
 ClientSampleId :

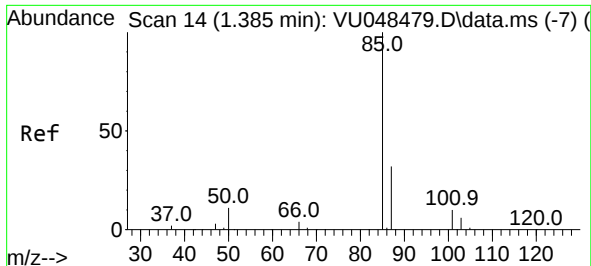
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 Quant Title : VOC Analysis
 QLast Update : Wed May 11 05:17:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	171180	50.105	ug/L	98
29) Cyclohexane	5.391	56	139503	37.569	ug/L	91
30) 1,1,1-Trichloroethane	5.317	97	185769	49.711	ug/L	98
31) Carbon tetrachloride	5.526	117	166590	52.061	ug/L	99
33) Benzene	5.774	78	399944	43.167	ug/L	100
34) Trichloroethene	6.542	95	103070	45.257	ug/L	97
35) Methylcyclohexane	6.764	83	143705	39.548	ug/L	95
37) 1,2-Dichloropropane	6.790	63	102404	39.601	ug/L	98
38) Bromodichloromethane	7.105	83	152315	48.375	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	117518	31.951	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	319881	77.205	ug/L #	95
42) Toluene	7.970	91	427786	44.736	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	119706	33.490	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	106792	45.666	ug/L	97
46) Tetrachloroethene	8.555	164	79073	46.217	ug/L	98
48) 2-Hexanone	8.681	43	262791	76.319	ug/L #	97
49) Dibromochloromethane	8.809	129	127205	50.651	ug/L	99
50) 1,2-Dibromoethane	8.925	107	117120	47.379	ug/L	99
51) Chlorobenzene	9.446	112	281902	46.788	ug/L	98
52) Ethylbenzene	9.571	91	463553	46.536	ug/L	100
53) m,p-Xylene	9.693	106	183286	47.669	ug/L	100
54) o-Xylene	10.098	106	183329	47.393	ug/L	98
55) Styrene	10.115	104	302576	48.109	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	184421	42.077	ug/L	99
59) Bromoform	10.291	173	98455	45.186	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	158440	39.507	ug/L	96
61) Isopropylbenzene	10.484	105	470704	43.723	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	263410	44.386	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	410955	46.498	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	222029	43.729	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	227434	44.677	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	230615	44.384	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	57914	49.270	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	160438	44.691	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	145352	46.622	ug/L	99
71) Naphthalene	14.085	128	563631	46.946	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	157949	47.635	ug/L	97

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

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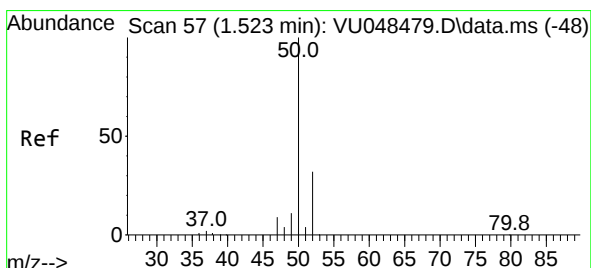
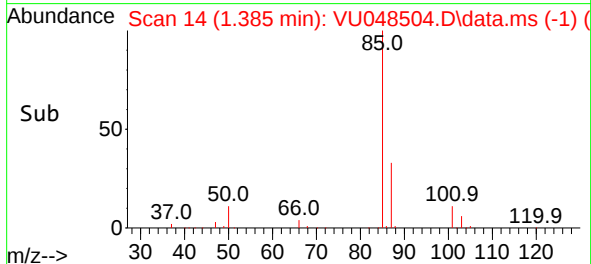
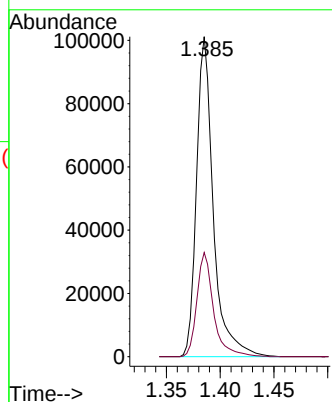
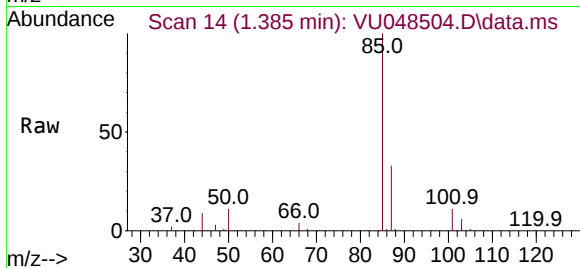




#2
Dichlorodifluoromethane
Concen: 44.496 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

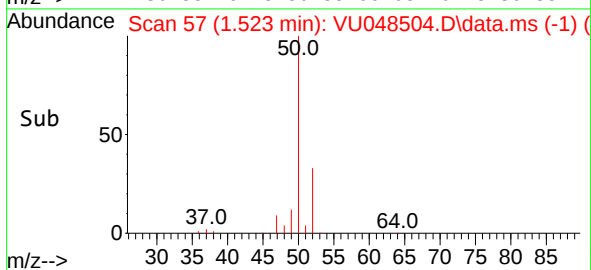
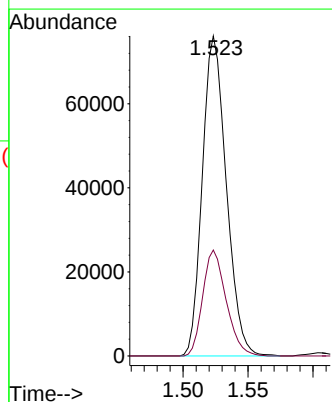
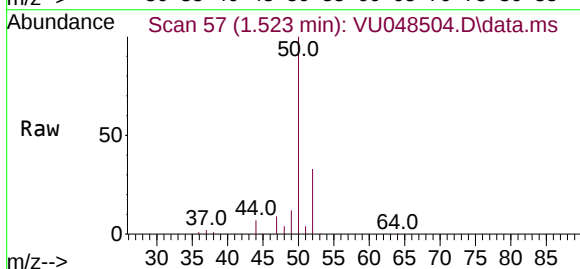
Instrument :
MSVOA_U
ClientSampleId :

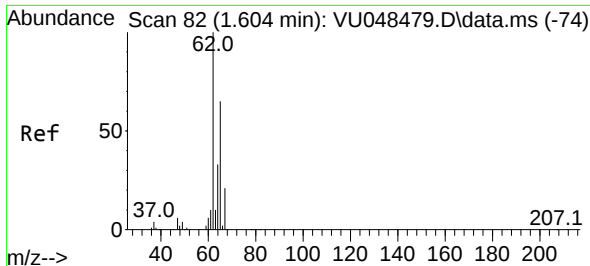
Tgt Ion: 85 Resp: 109880
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.4



#3
Chloromethane
Concen: 34.617 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

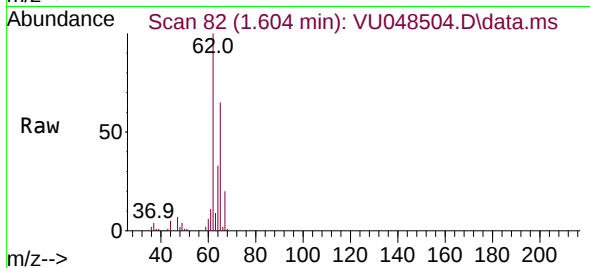
Tgt Ion: 50 Resp: 97779
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8



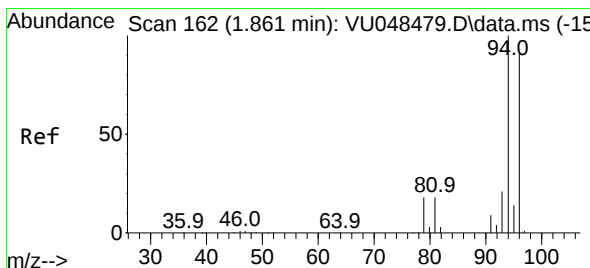
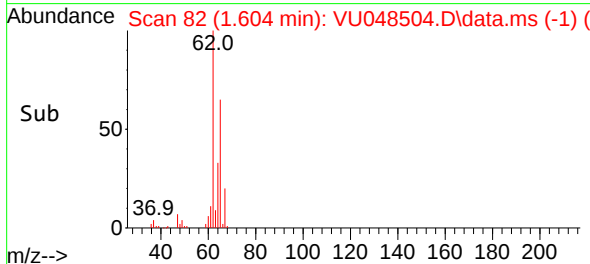
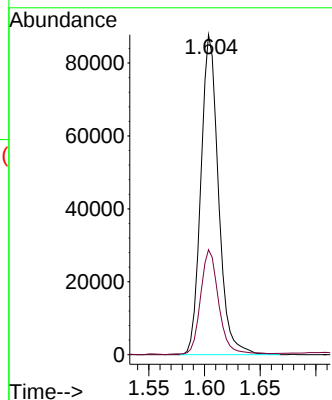


#5
 Vinyl chloride
 Concen: 35.838 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048504.D
 Acq: 10 May 2022 20:18

Instrument :
 MSVOA_U
 ClientSampleId :

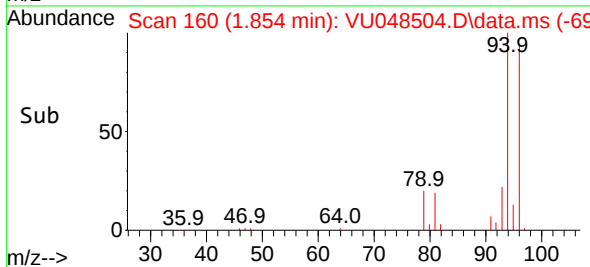
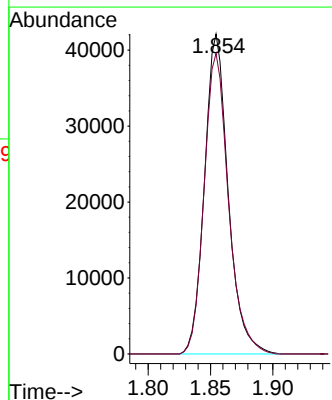
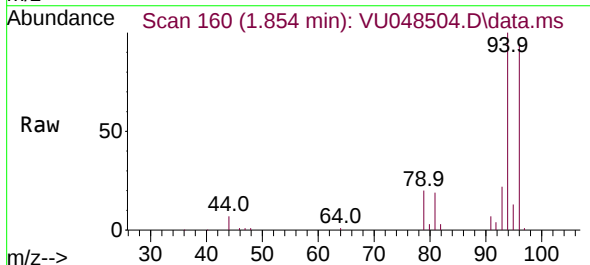


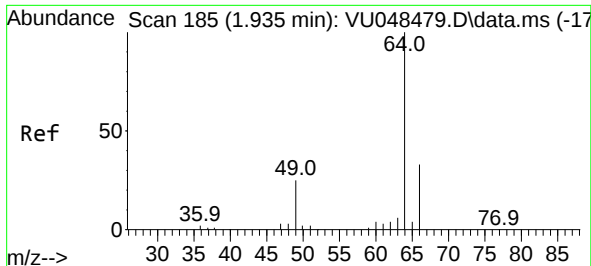
Tgt Ion: 62 Resp: 96167
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 42.109 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.007 min
 Lab File: VU048504.D
 Acq: 10 May 2022 20:18

Tgt Ion: 94 Resp: 55879
 Ion Ratio Lower Upper
 94 100
 96 93.9 66.5 123.5

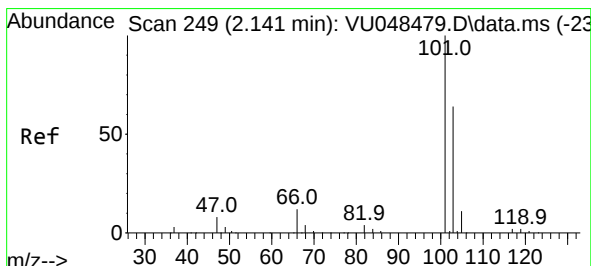
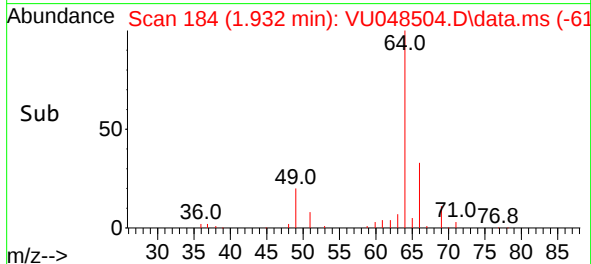
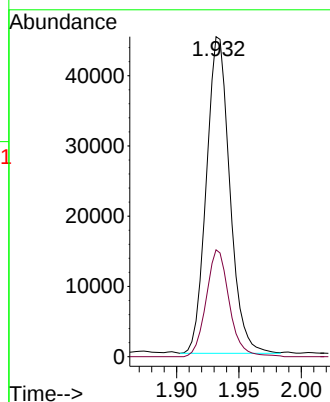
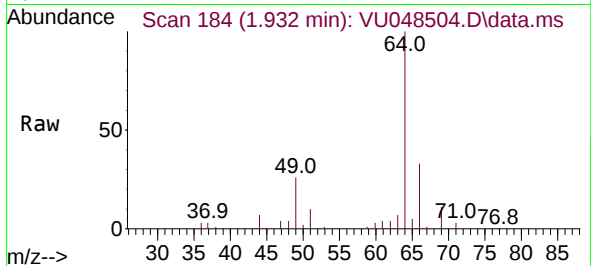




#8
Chloroethane
Concen: 40.927 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

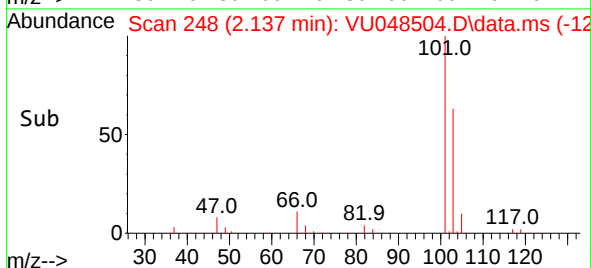
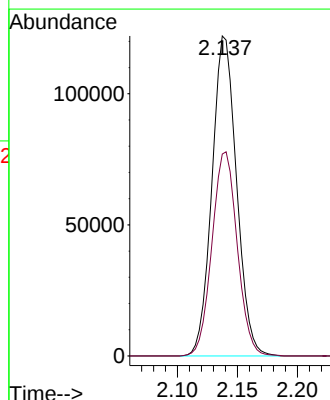
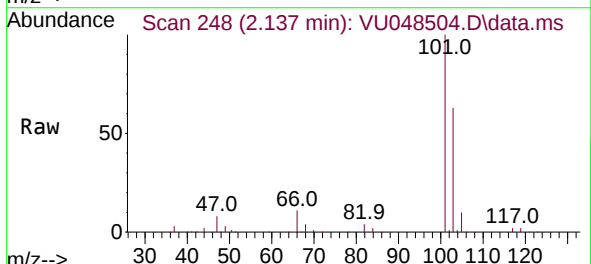
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MSVOA_U
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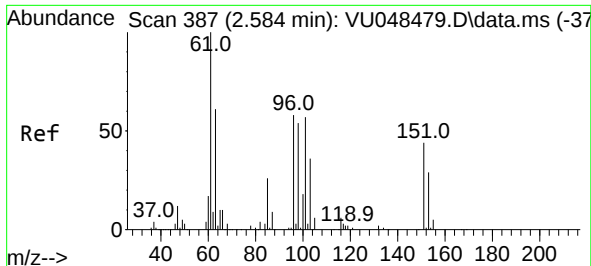
Tgt Ion: 64 Resp: 59045
Ion Ratio Lower Upper
64 100
66 33.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 49.399 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:101 Resp: 174162
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0





#10

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

Concen: 40.612 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU048504.D

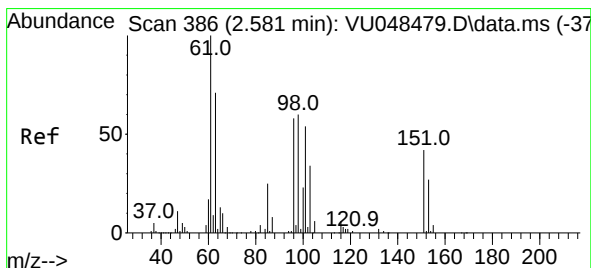
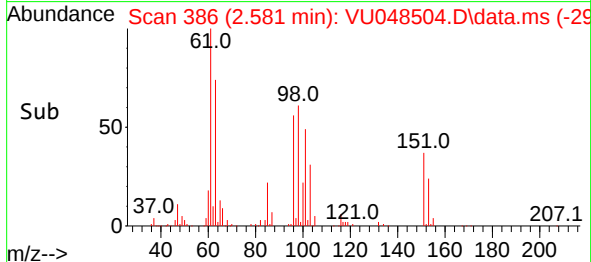
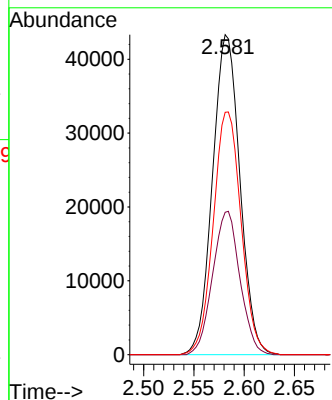
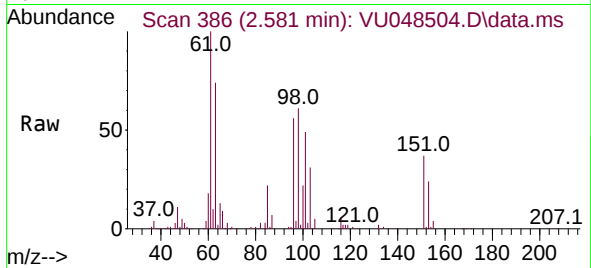
Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	82164
Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.8	52.2
151	77.1	60.7	91.1



#12

1,1-Dichloroethene

Concen: 43.270 ug/L

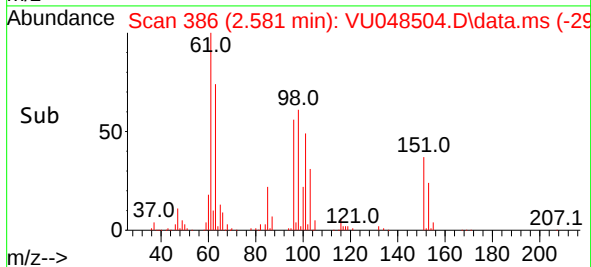
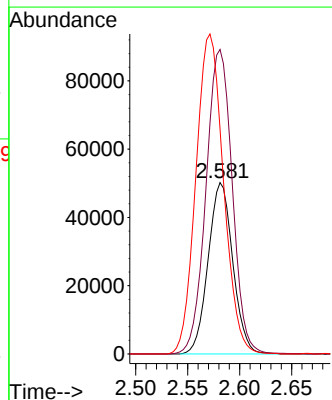
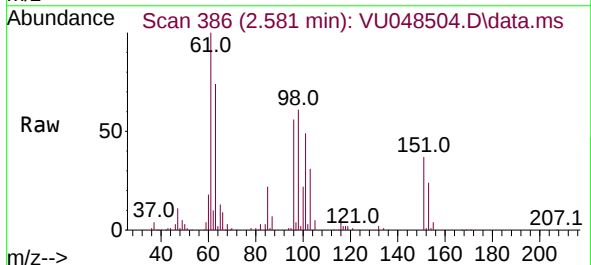
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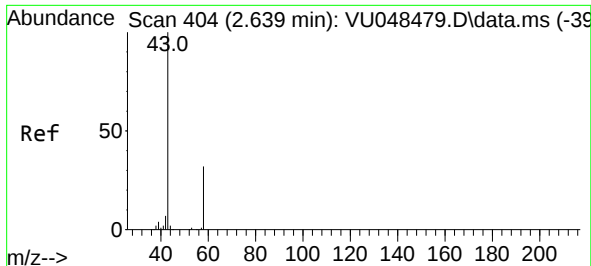
Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Tgt Ion:	96	Resp:	82769
Ion	Ratio	Lower	Upper
96	100		
61	177.7	124.5	231.3
63	131.3	92.5	171.9





#13

Acetone

Concen: 73.904 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.016 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

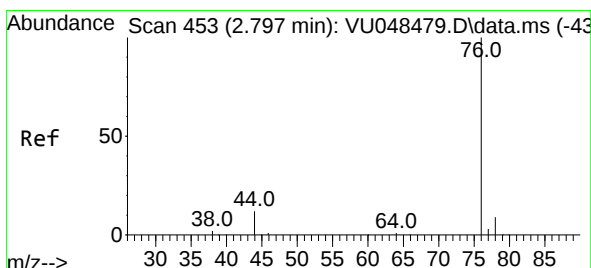
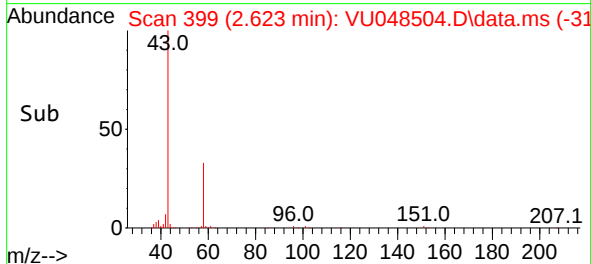
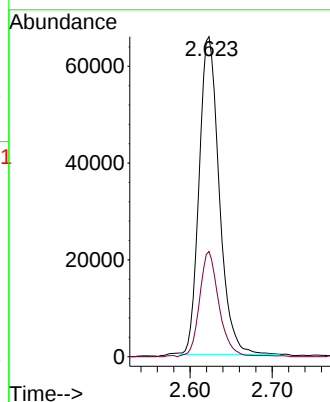
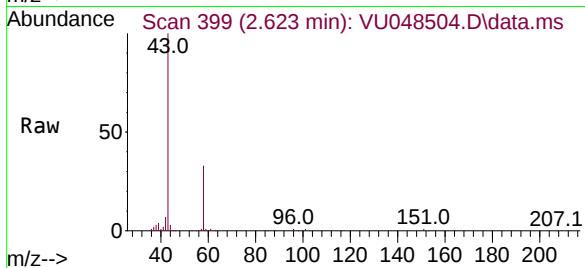
ClientSampleId :

Tgt Ion: 43 Resp: 111559

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.2



#14

Carbon disulfide

Concen: 40.279 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU048504.D

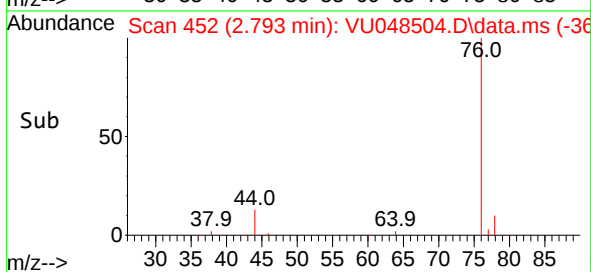
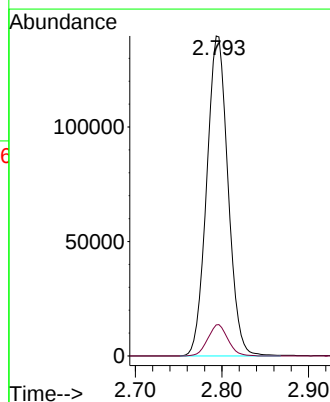
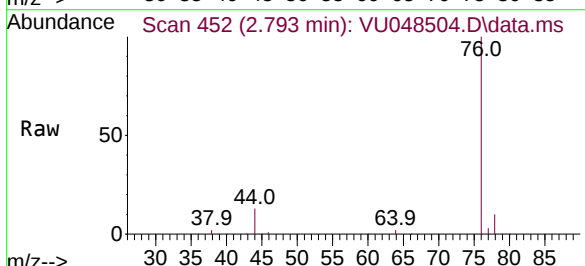
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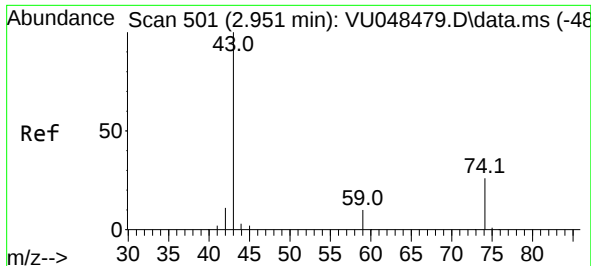
Tgt Ion: 76 Resp: 238811

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

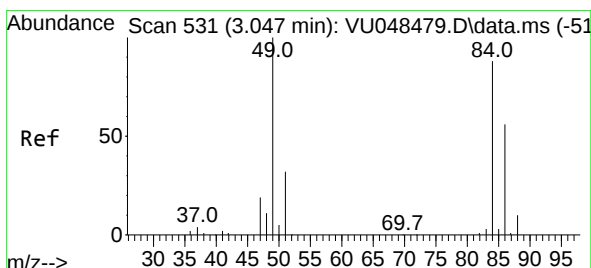
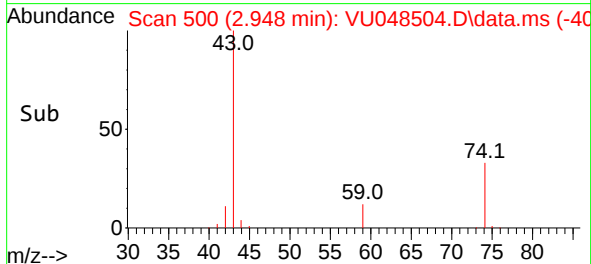
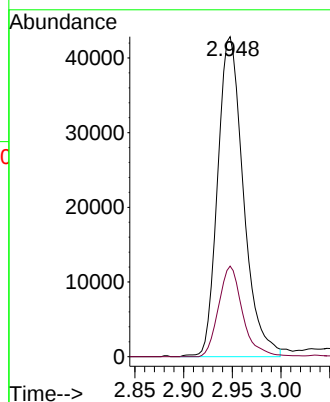
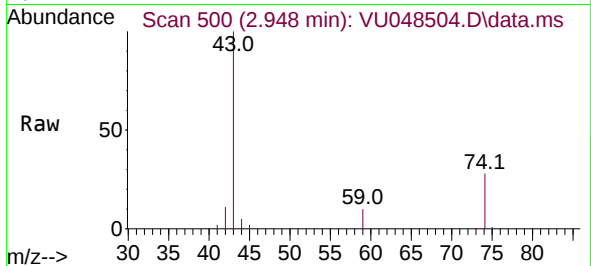




#15
Methyl Acetate
Concen: 25.481 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

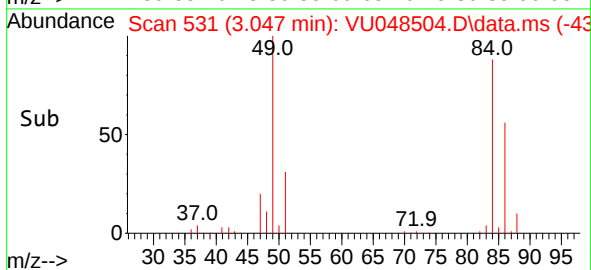
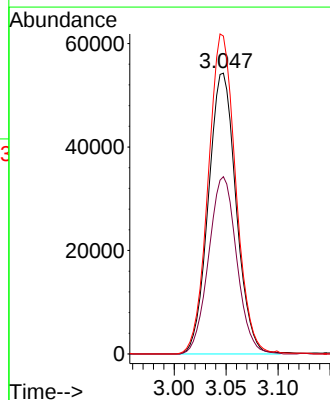
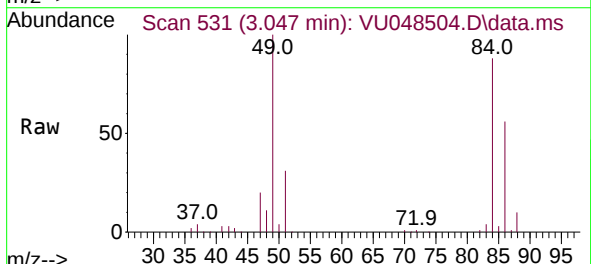
Instrument :
MSVOA_U
ClientSampleId :

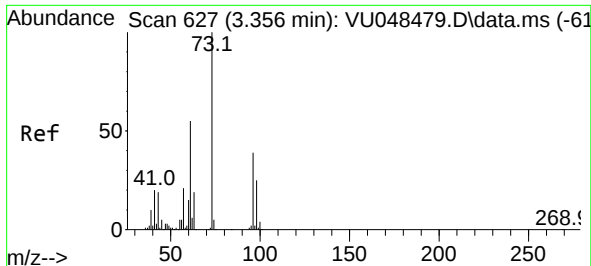
Tgt Ion: 43 Resp: 78797
Ion Ratio Lower Upper
43 100
74 26.4 17.6 26.4#



#16
Methylene chloride
Concen: 43.057 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

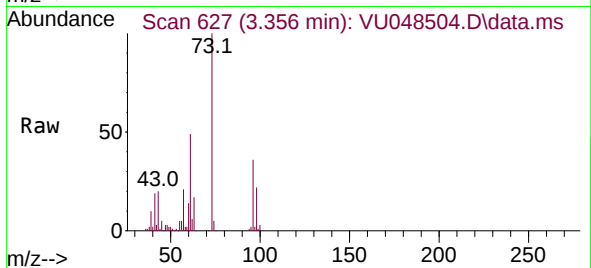
Tgt Ion: 84 Resp: 100719
Ion Ratio Lower Upper
84 100
86 63.1 44.8 83.2
49 113.2 92.0 170.8



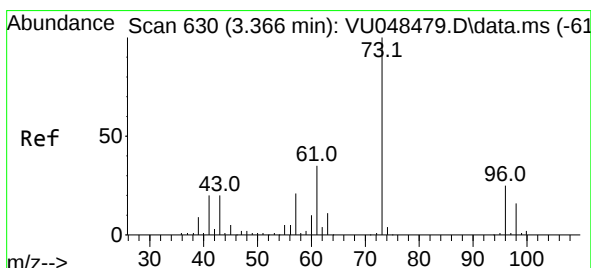
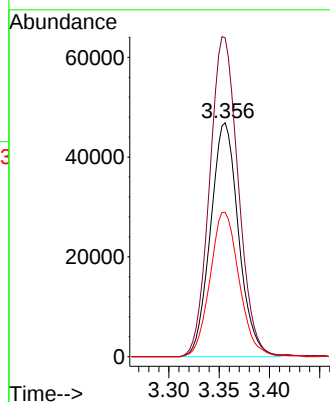
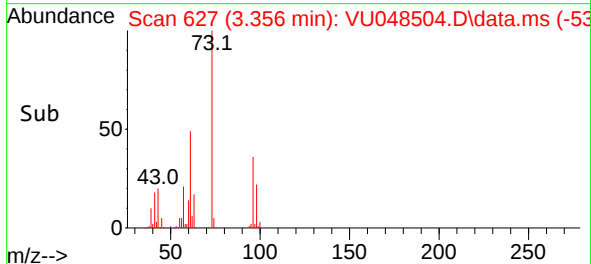


#17
trans-1,2-Dichloroethene
Concen: 44.666 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

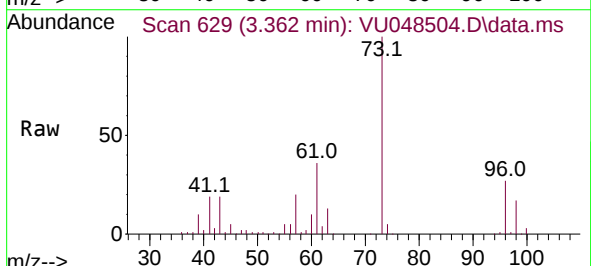
Instrument :
MSVOA_U
ClientSampleId :



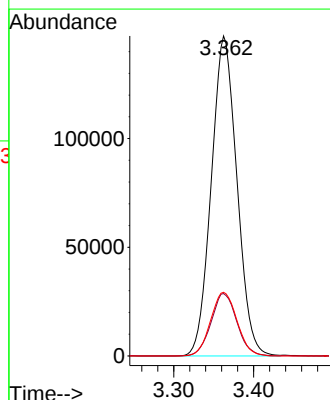
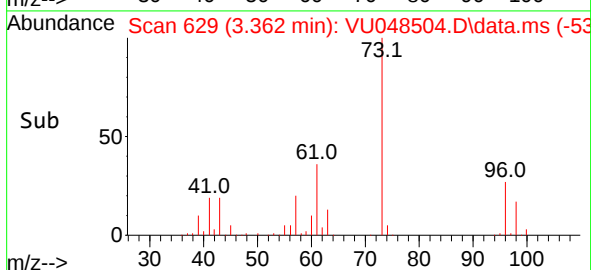
Tgt Ion: 96 Resp: 91153
Ion Ratio Lower Upper
96 100
61 136.3 101.2 187.8
98 61.7 43.3 80.3

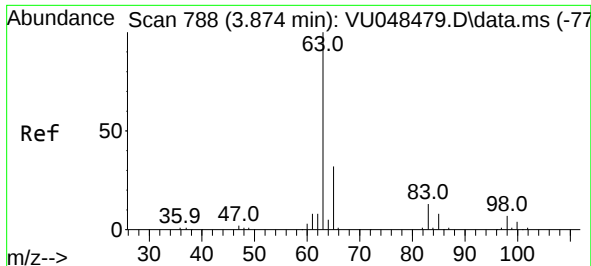


#18
Methyl tert-butyl Ether
Concen: 47.664 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18



Tgt Ion: 73 Resp: 327581
Ion Ratio Lower Upper
73 100
43 19.7 15.6 23.4
57 20.4 18.1 27.1





#19

1,1-Dichloroethane

Concen: 42.665 ug/L

RT: 3.870 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :

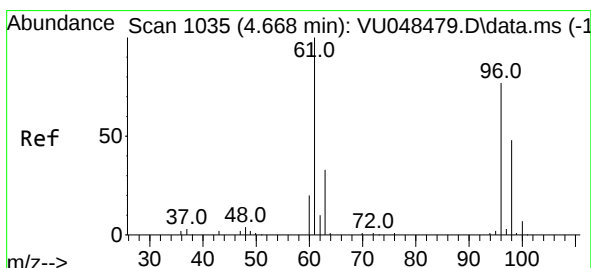
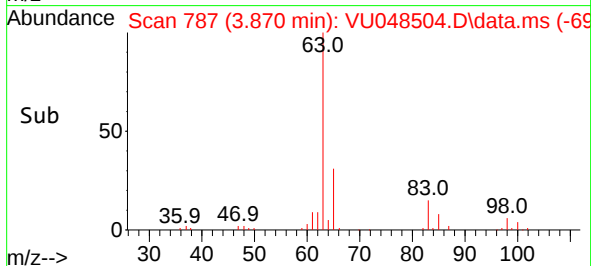
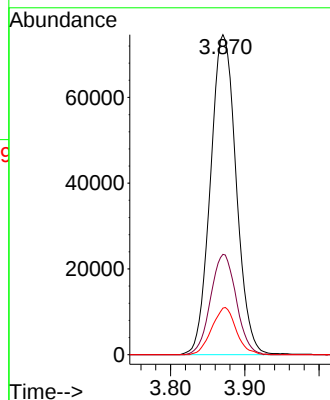
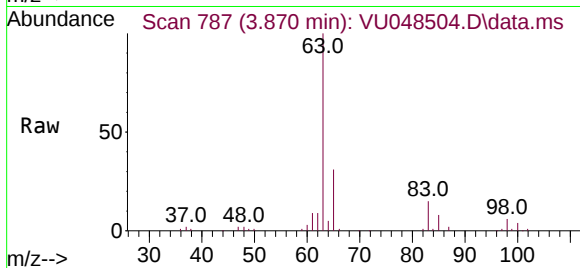
Tgt Ion: 63 Resp: 179536

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 14.5 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 45.396 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

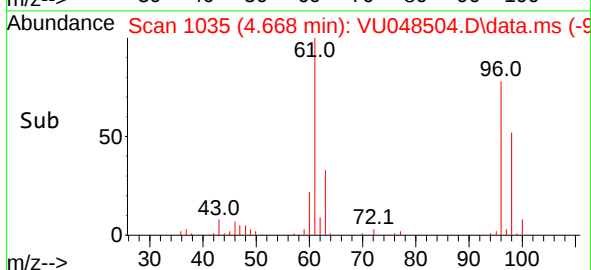
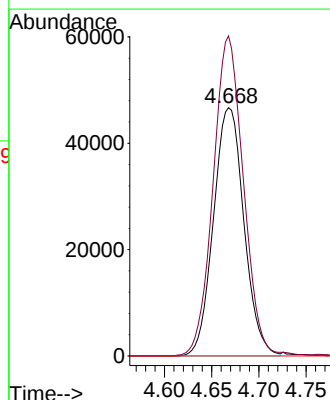
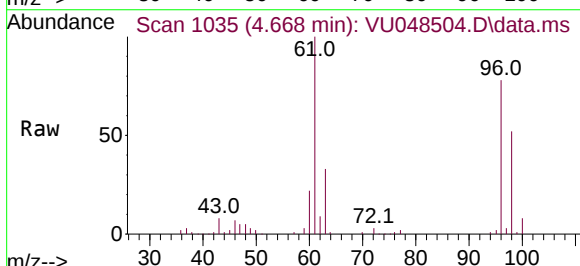
Tgt Ion: 96 Resp: 104543

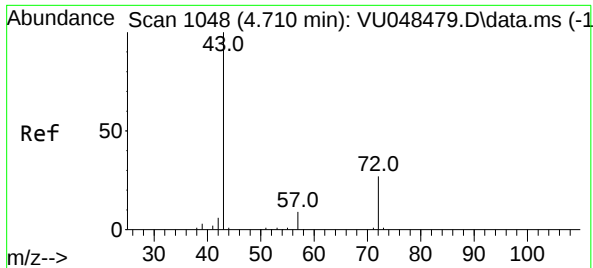
Ion Ratio Lower Upper

96 100

61 128.8 96.2 178.8

68 0.0 0.0 0.0

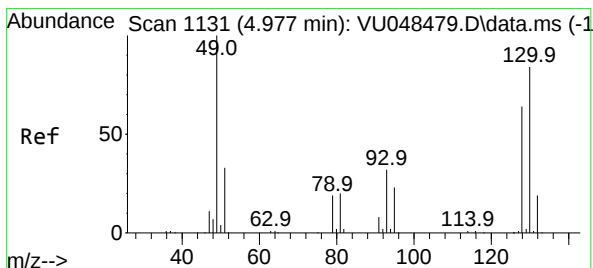
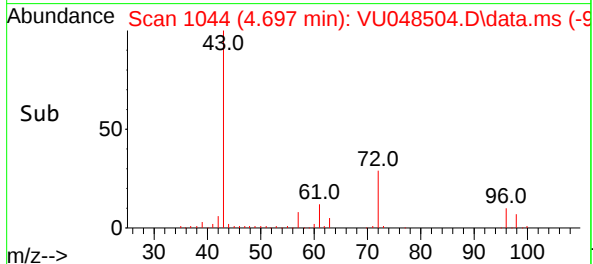
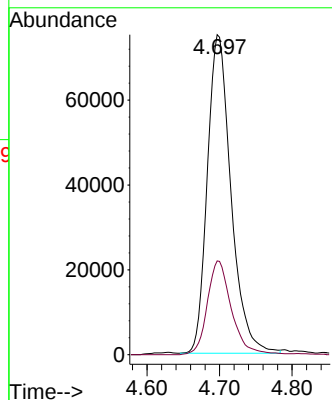
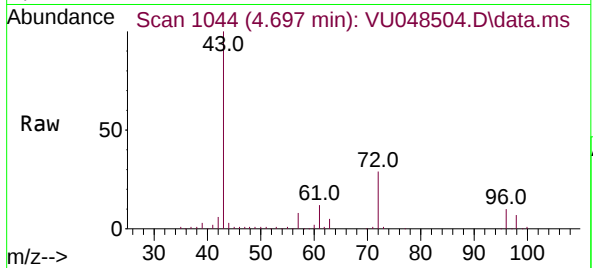




#22
2-Butanone
Concen: 75.410 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.013 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

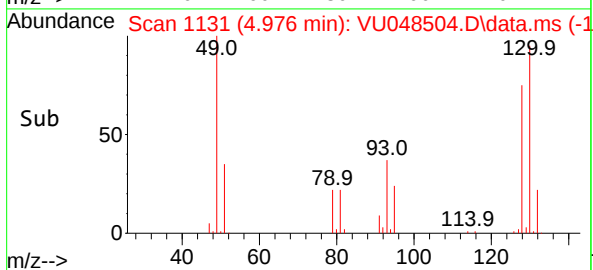
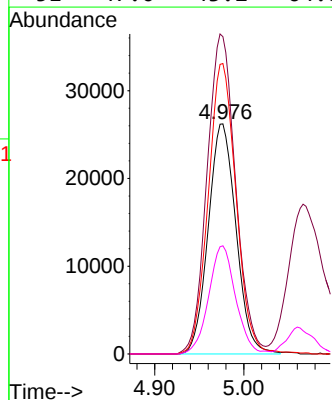
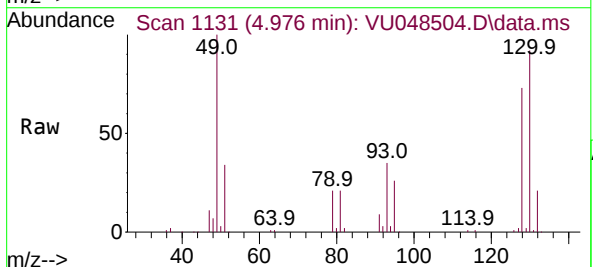
Instrument :
MSVOA_U
ClientSampleId :

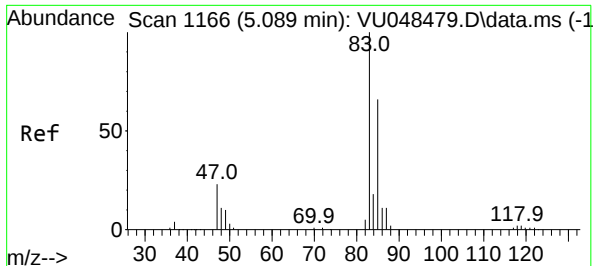
Tgt Ion: 43 Resp: 170161
Ion Ratio Lower Upper
43 100
72 29.8 13.3 39.9



#23
Bromochloromethane
Concen: 46.734 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:128 Resp: 56718
Ion Ratio Lower Upper
128 100
49 137.9 123.1 228.7
130 126.2 93.6 173.8
51 47.0 43.2 64.8





#25

Chloroform

Concen: 47.764 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

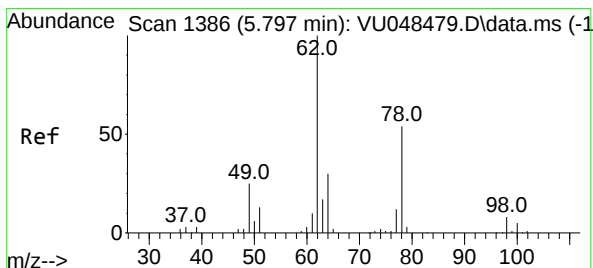
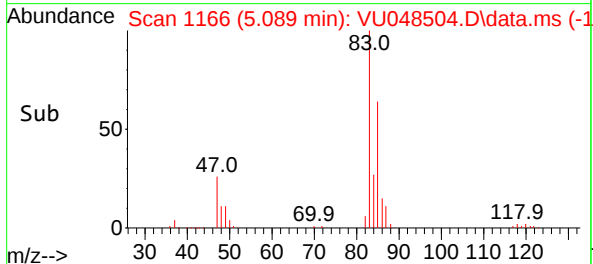
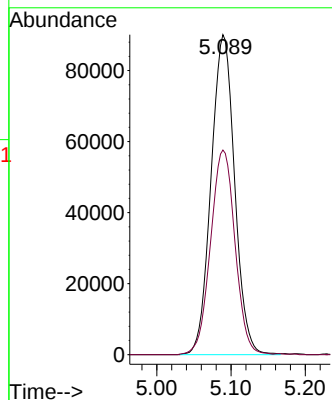
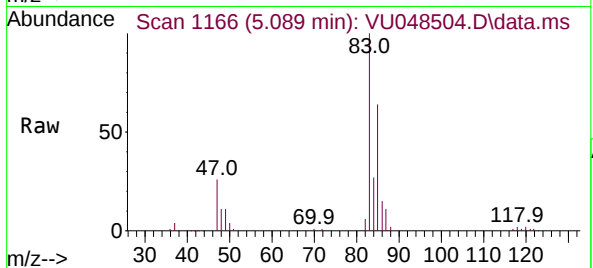
ClientSampleId :

Tgt Ion: 83 Resp: 198478

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.2



#27

1,2-Dichloroethane

Concen: 50.105 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048504.D

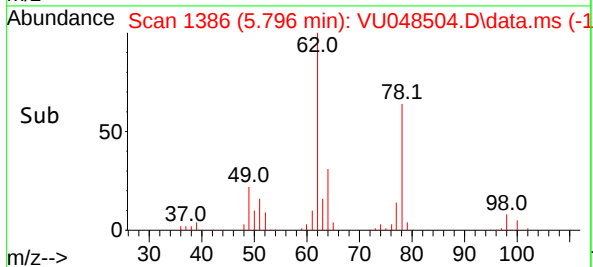
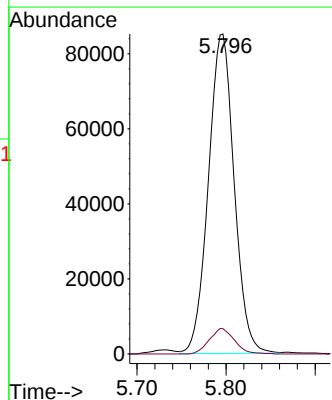
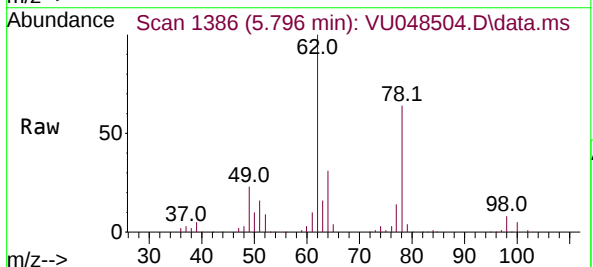
Acq: 10 May 2022 20:18

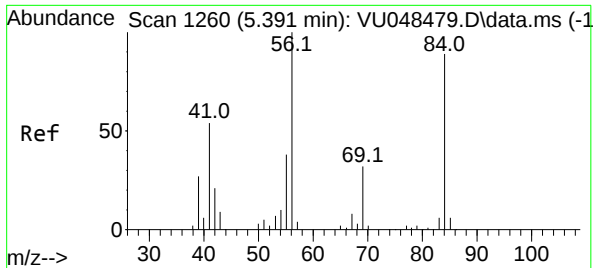
Tgt Ion: 62 Resp: 171180

Ion Ratio Lower Upper

62 100

98 7.9 6.8 10.2





#29

Cyclohexane

Concen: 37.569 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :

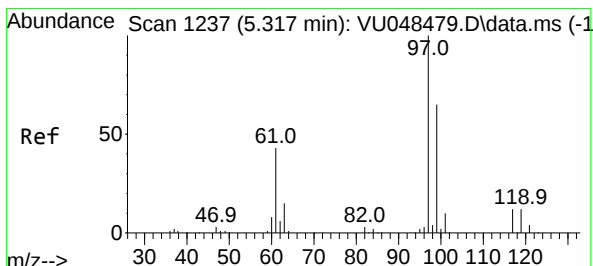
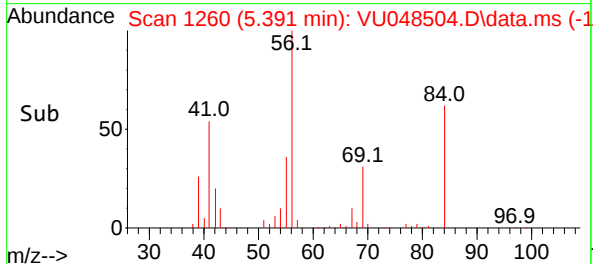
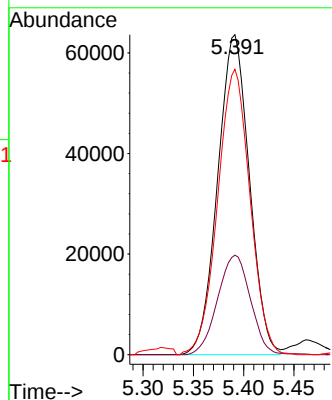
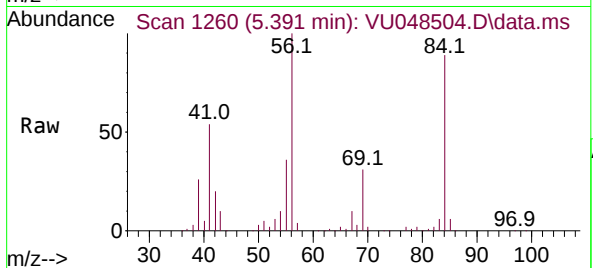
Tgt Ion: 56 Resp: 139503

Ion Ratio Lower Upper

56 100

69 32.1 23.4 35.0

84 90.9 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 49.711 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

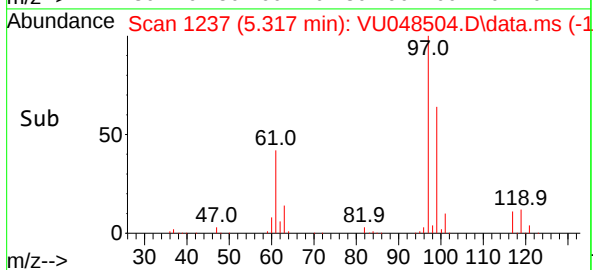
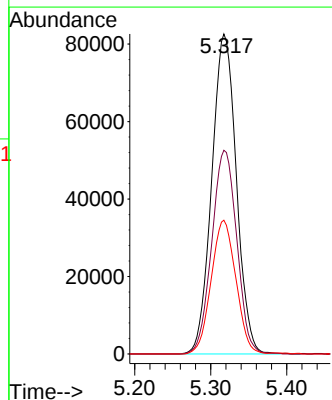
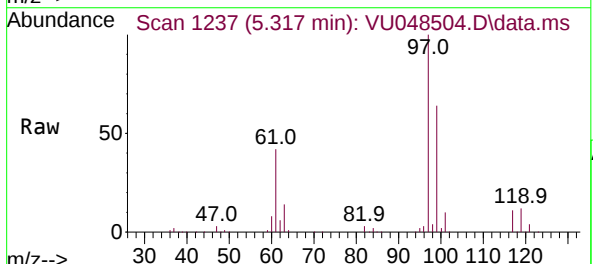
Tgt Ion: 97 Resp: 185769

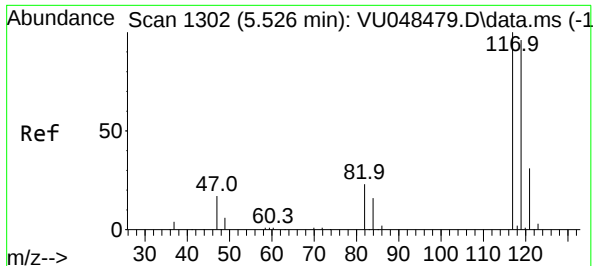
Ion Ratio Lower Upper

97 100

99 64.6 50.5 75.7

61 42.0 35.0 52.4

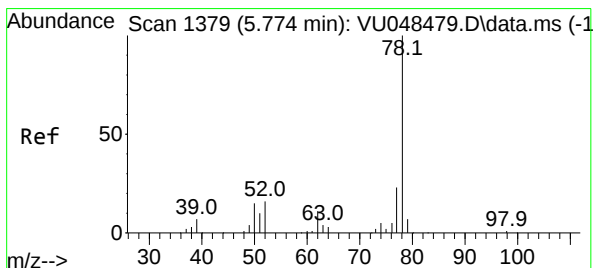
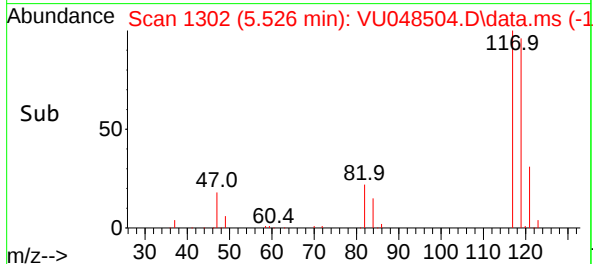
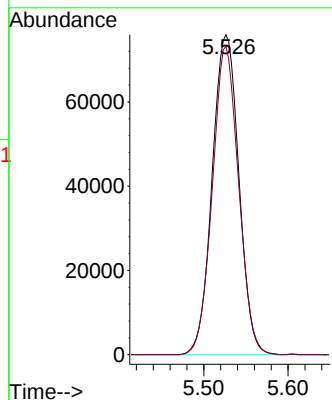
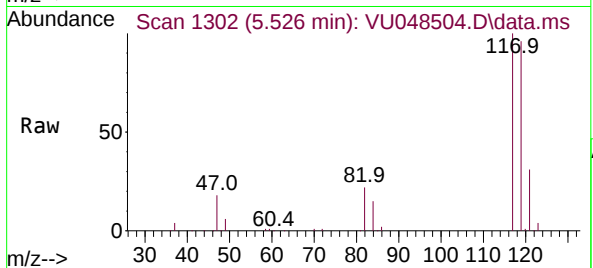




#31
Carbon tetrachloride
Concen: 52.061 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

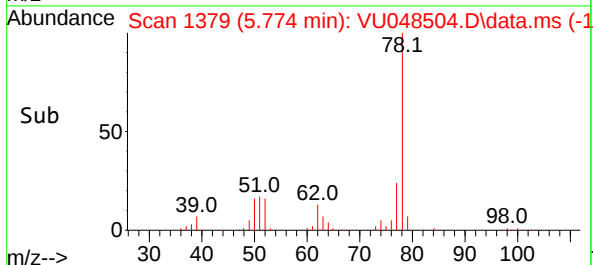
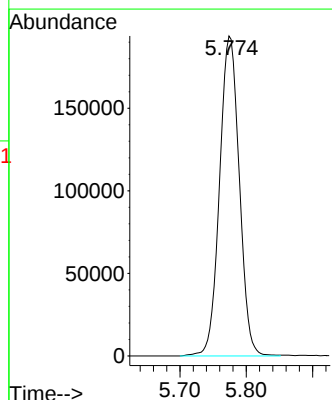
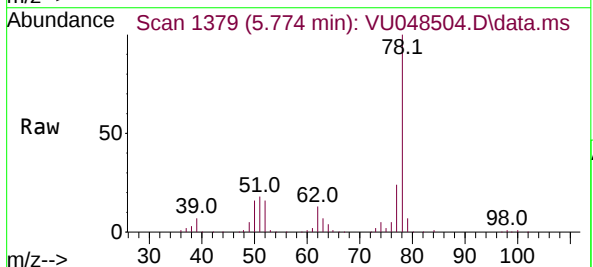
Instrument :
MSVOA_U
ClientSampleId :

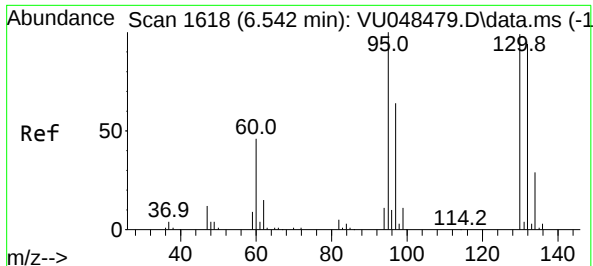
Tgt Ion:117 Resp: 166590
Ion Ratio Lower Upper
117 100
119 94.9 76.5 114.7



#33
Benzene
Concen: 43.167 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion: 78 Resp: 399944

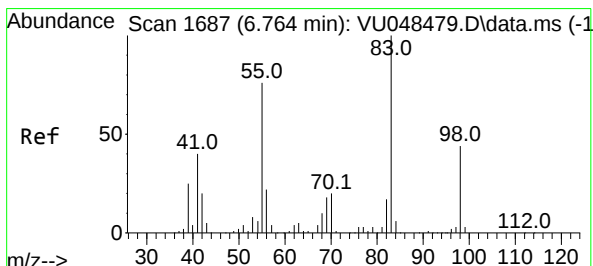
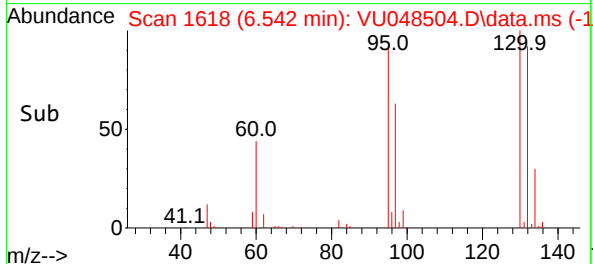
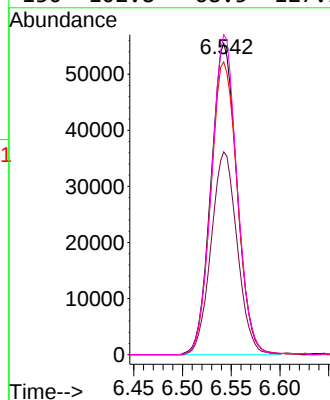
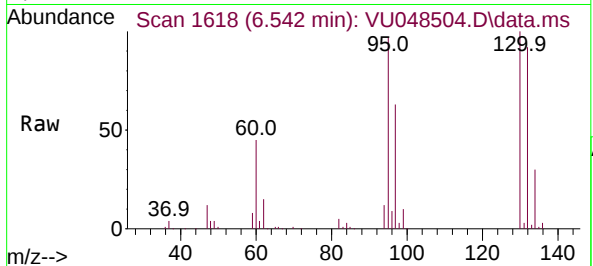




#34
Trichloroethene
Concen: 45.257 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

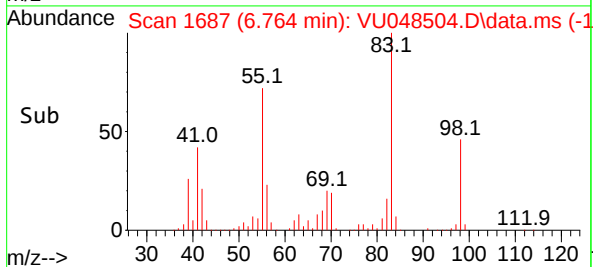
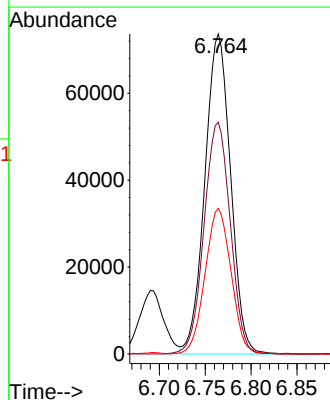
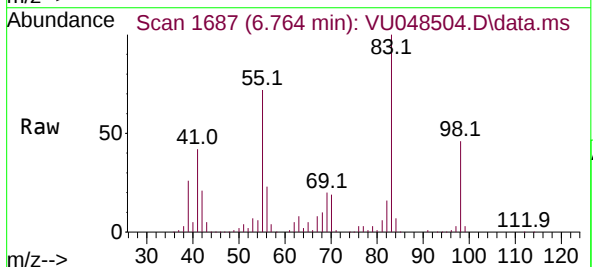
Instrument :
MSVOA_U
ClientSampleId :

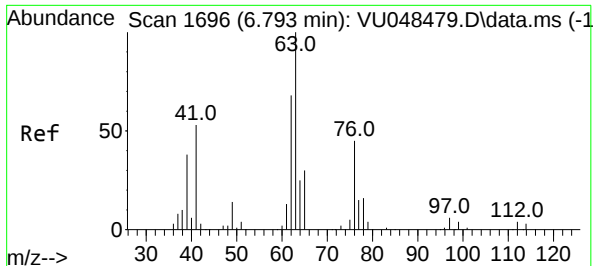
Tgt Ion: 95 Resp: 103070
Ion Ratio Lower Upper
95 100
97 65.2 46.6 86.6
132 94.0 67.3 124.9
130 102.8 68.5 127.1



#35
Methylcyclohexane
Concen: 39.548 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion: 83 Resp: 143705
Ion Ratio Lower Upper
83 100
55 73.8 63.4 95.2
98 46.0 35.9 53.9





#37

1,2-Dichloropropane

Concen: 39.601 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

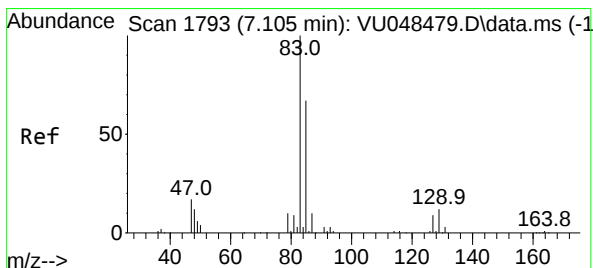
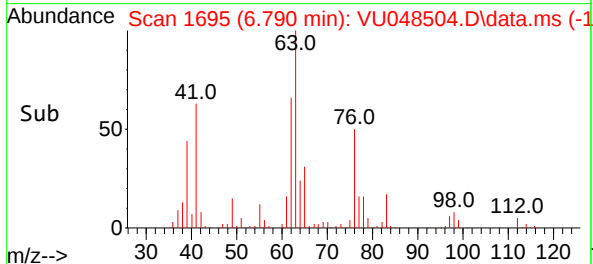
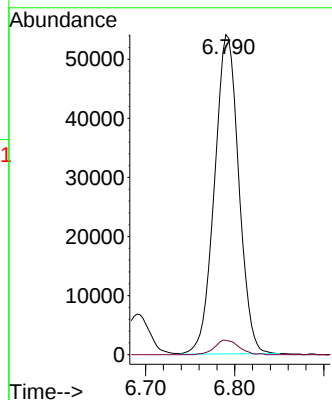
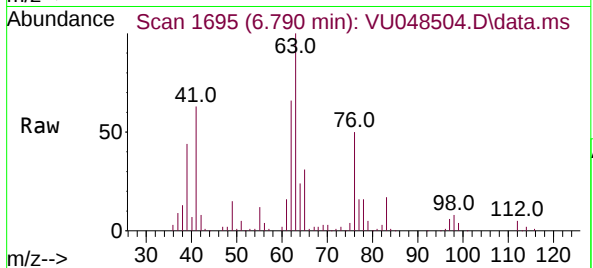
ClientSampleId :

Tgt Ion: 63 Resp: 102404

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 48.375 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

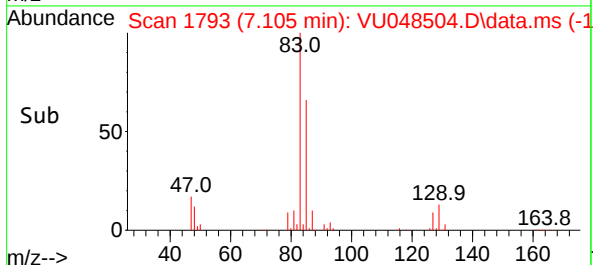
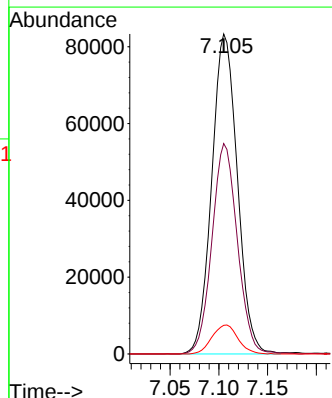
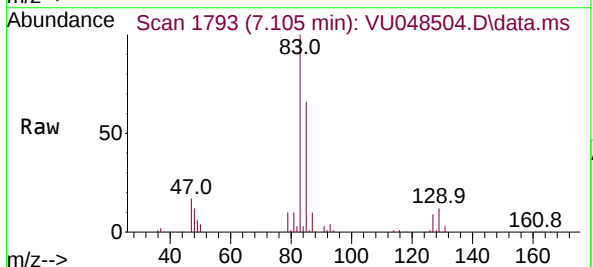
Tgt Ion: 83 Resp: 152315

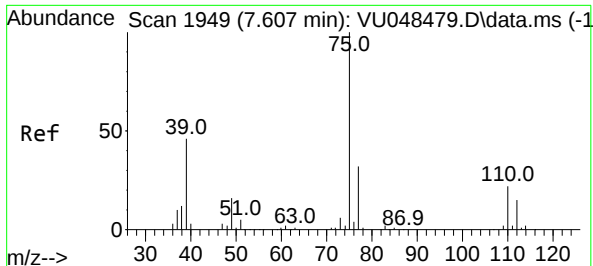
Ion Ratio Lower Upper

83 100

85 65.7 45.5 84.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 31.951 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

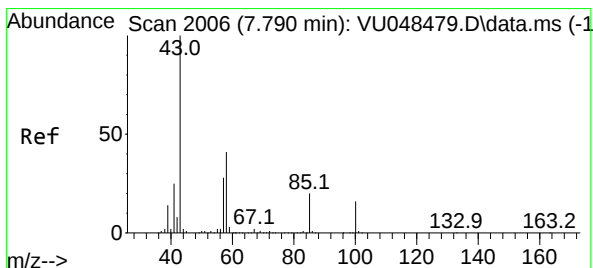
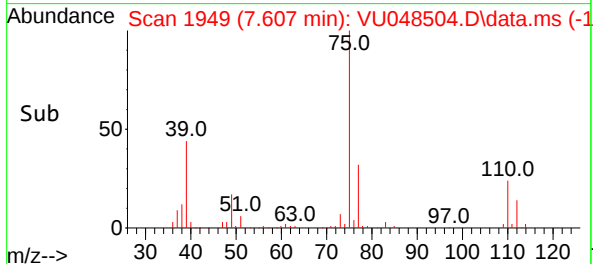
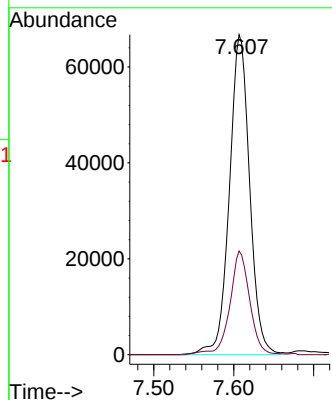
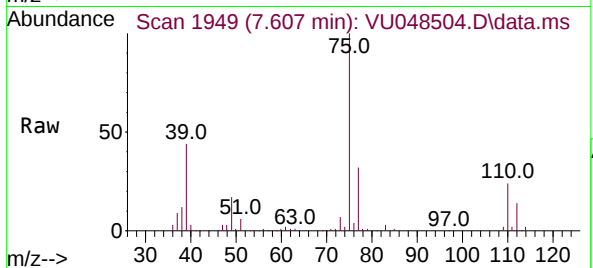
ClientSampleId :

Tgt Ion: 75 Resp: 117518

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 77.205 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

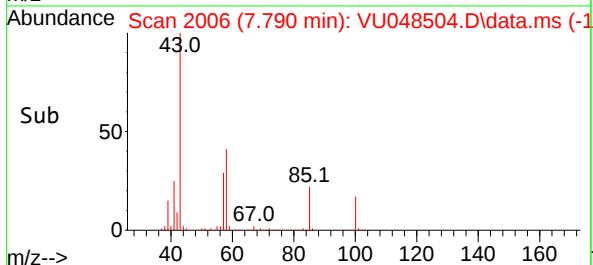
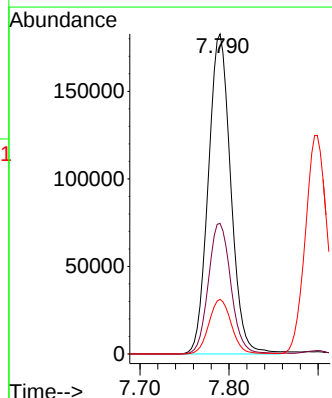
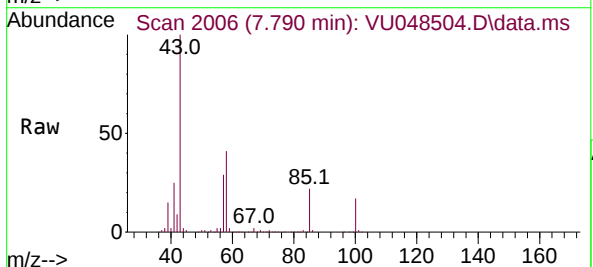
Tgt Ion: 43 Resp: 319881

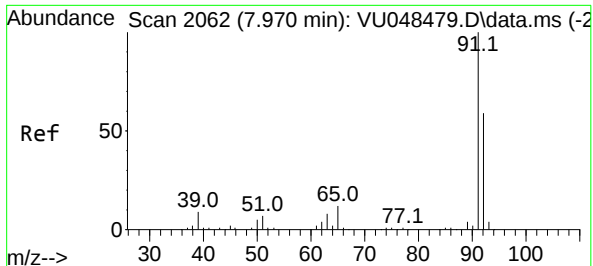
Ion Ratio Lower Upper

43 100

58 41.0 31.0 46.4

100 17.1 11.2 16.8





#42

Toluene

Concen: 44.736 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

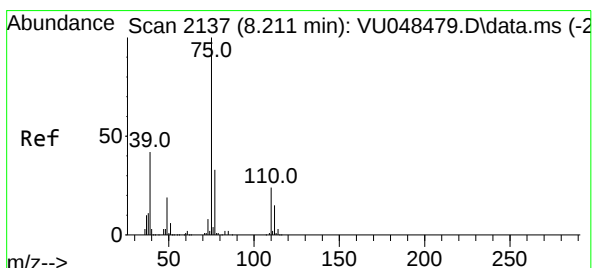
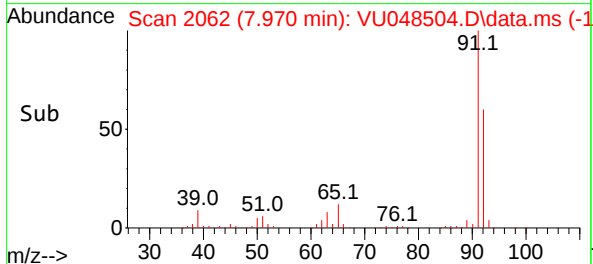
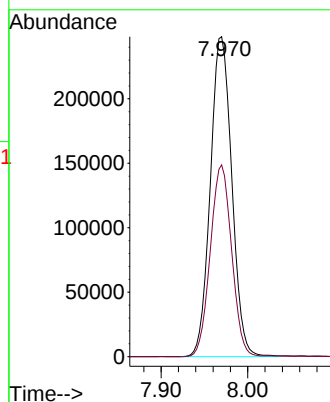
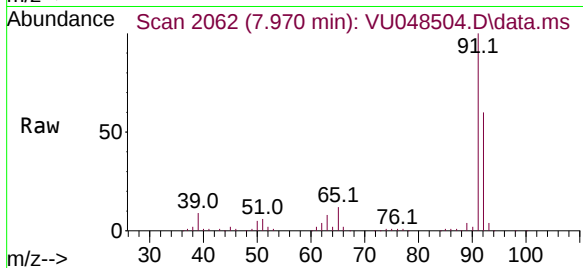
ClientSampleId :

Tgt Ion: 91 Resp: 427786

Ion Ratio Lower Upper

91 100

92 60.0 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 33.490 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048504.D

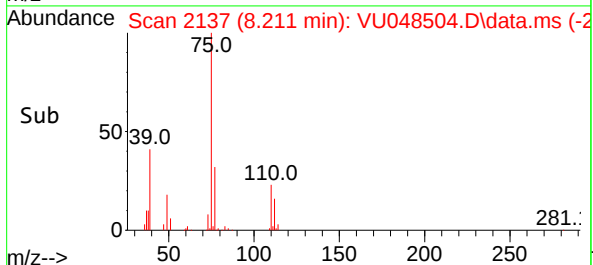
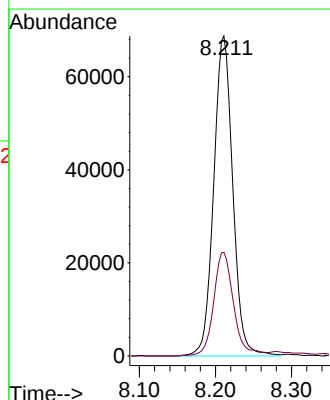
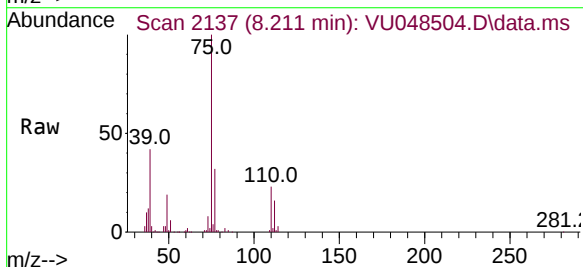
Acq: 10 May 2022 20:18

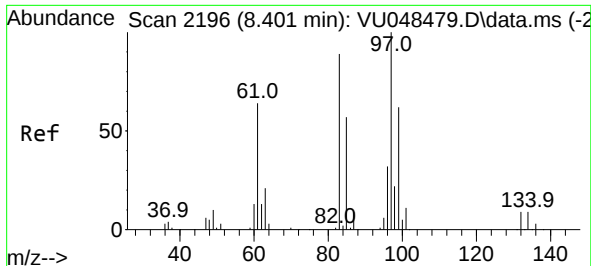
Tgt Ion: 75 Resp: 119706

Ion Ratio Lower Upper

75 100

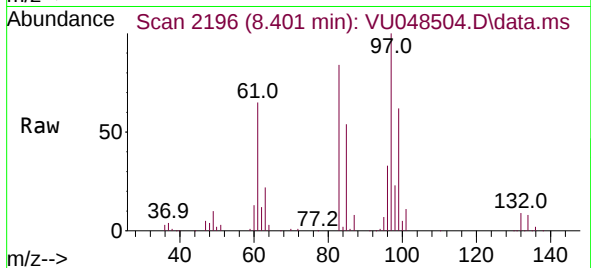
77 32.4 22.6 42.0





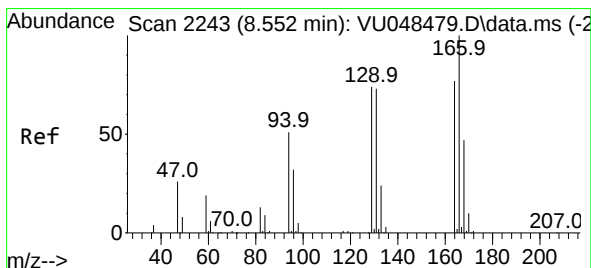
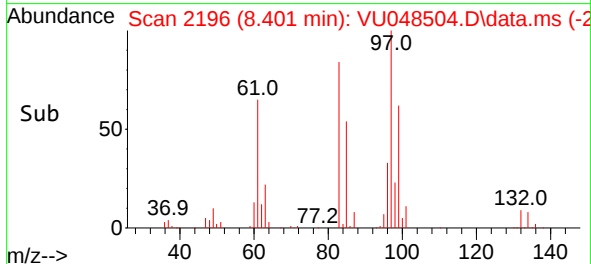
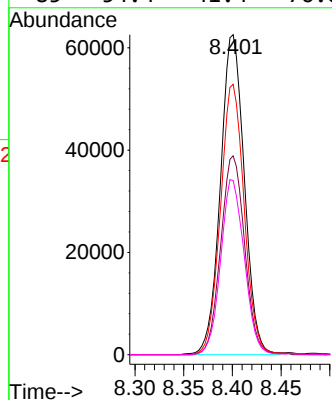
#45
1,1,2-Trichloroethane
Concen: 45.666 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 106792

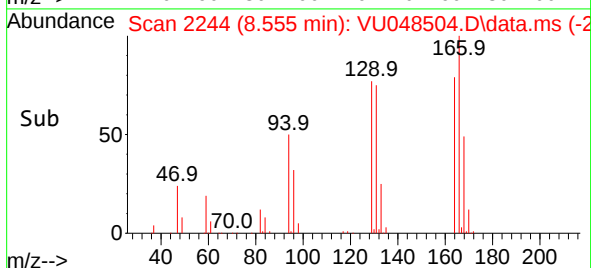
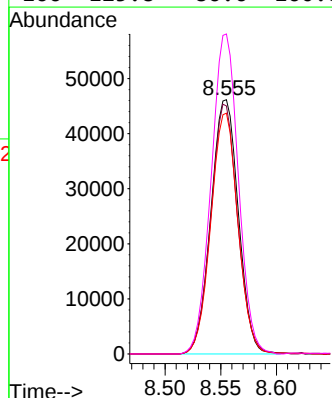
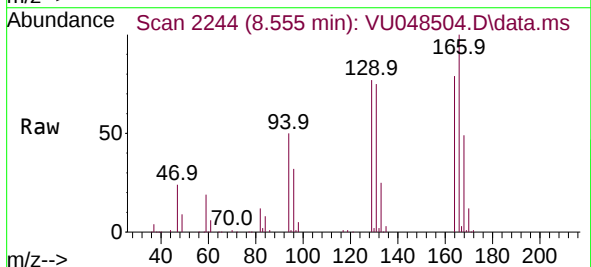
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	84.5	60.5	112.5
85	54.4	41.4	76.8

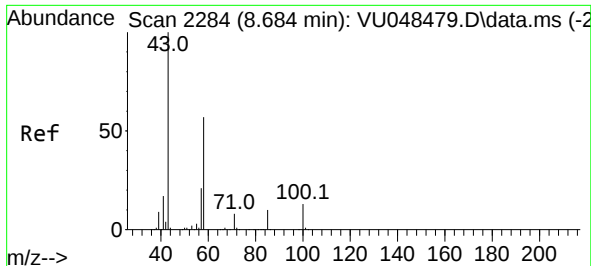


#46
Tetrachloroethene
Concen: 46.217 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion: 164 Resp: 79073

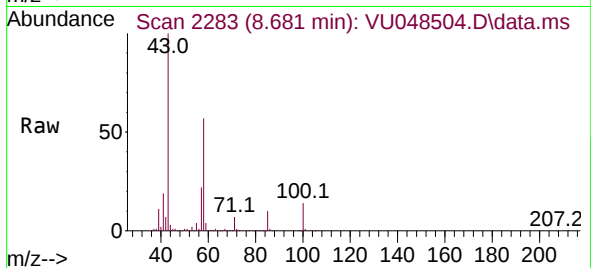
Ion	Ratio	Lower	Upper
164	100		
129	97.5	69.2	128.6
131	94.7	65.2	121.0
166	125.8	86.6	160.8



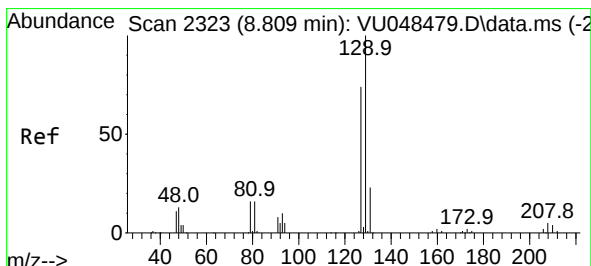
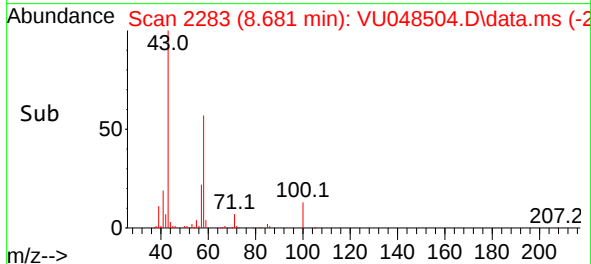
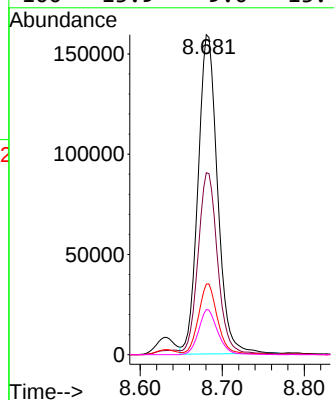


#48
2-Hexanone
Concen: 76.319 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Instrument :
MSVOA_U
ClientSampleId :

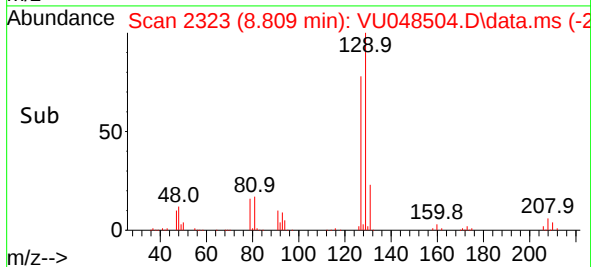
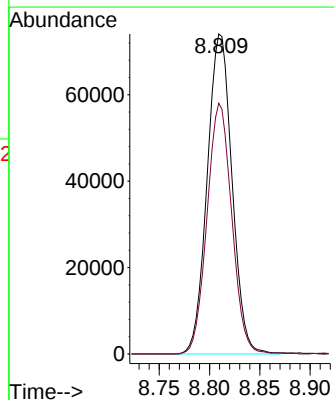
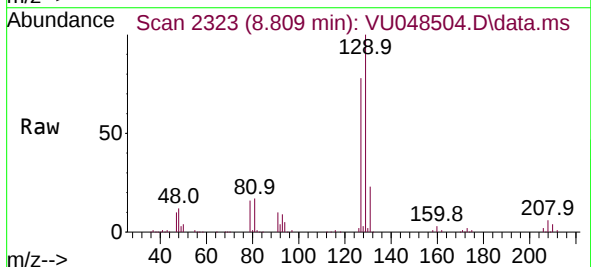


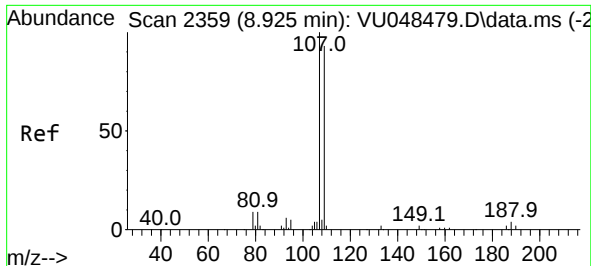
Tgt Ion: 43 Resp: 262791
Ion Ratio Lower Upper
43 100
58 56.9 44.3 66.5
57 21.1 15.7 23.5
100 13.9 9.0 13.4#



#49
Dibromochloromethane
Concen: 50.651 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

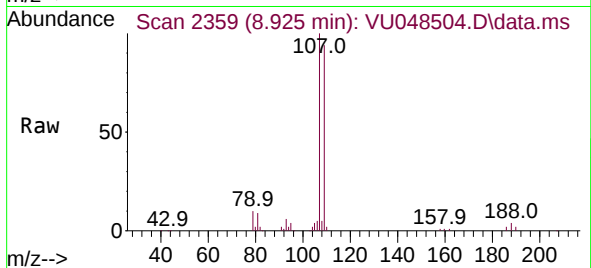
Tgt Ion: 129 Resp: 127205
Ion Ratio Lower Upper
129 100
127 78.4 55.2 102.4



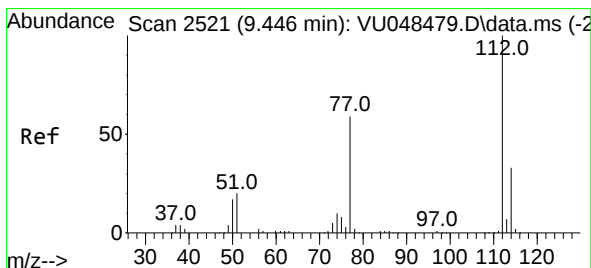
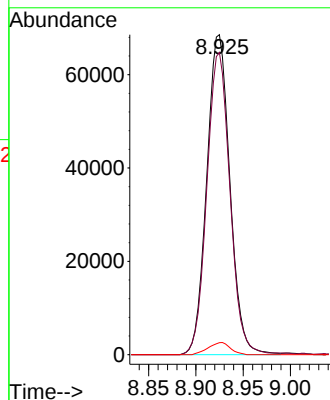
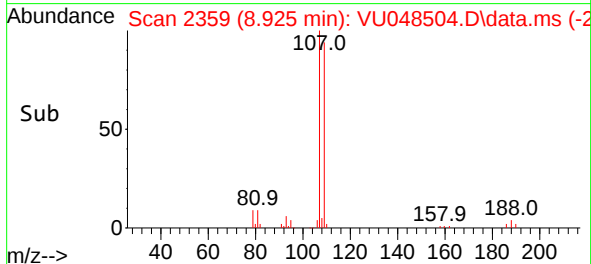


#50
1,2-Dibromoethane
Concen: 47.379 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Instrument :
MSVOA_U
ClientSampleId :

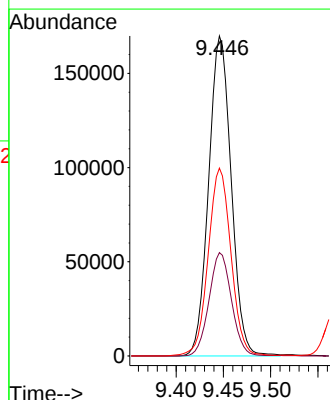
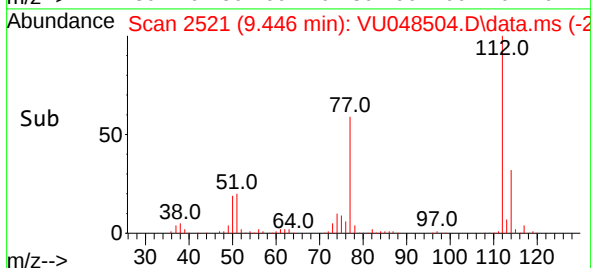
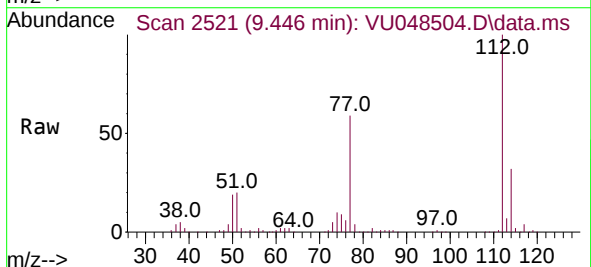


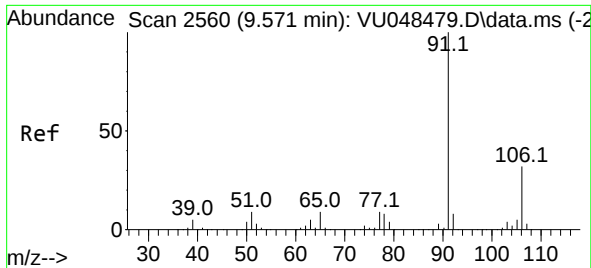
Tgt Ion:107 Resp: 117120
Ion Ratio Lower Upper
107 100
109 94.5 65.7 122.1
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 46.788 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:112 Resp: 281902
Ion Ratio Lower Upper
112 100
114 32.3 23.0 42.6
77 58.7 48.4 72.6

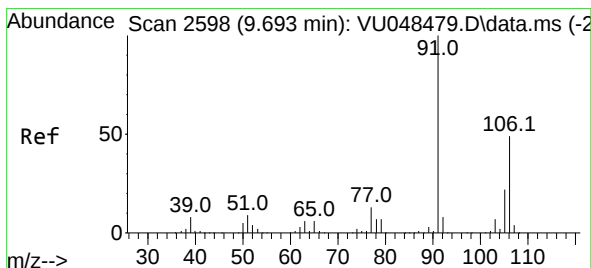
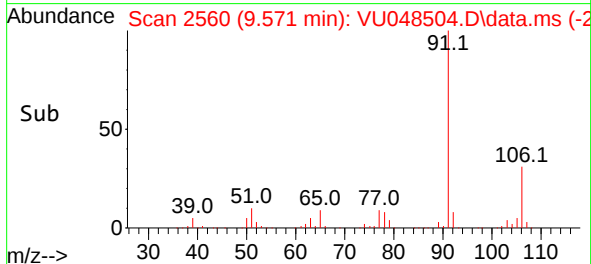
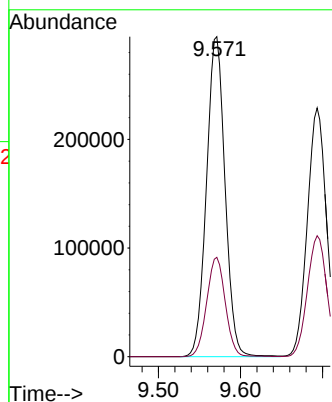
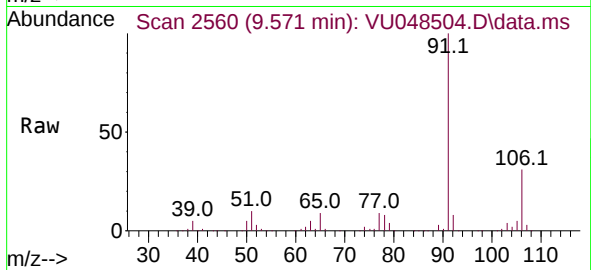




#52
Ethylbenzene
Concen: 46.536 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

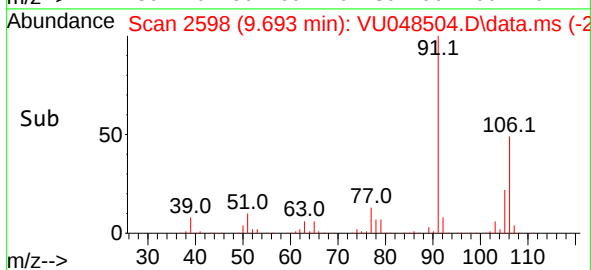
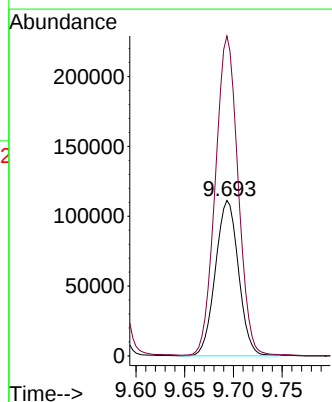
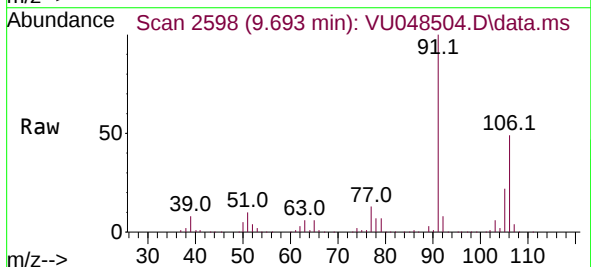
Instrument :
MSVOA_U
ClientSampleId :

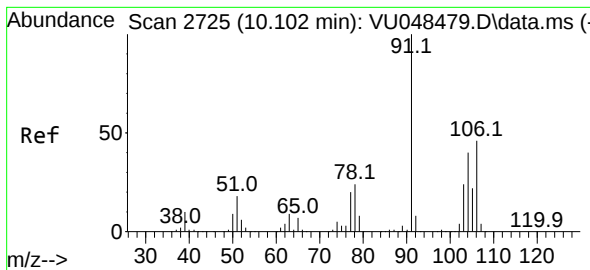
Tgt Ion: 91 Resp: 463553
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 47.669 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:106 Resp: 183286
Ion Ratio Lower Upper
106 100
91 205.8 144.1 267.7





#54

o-Xylene

Concen: 47.393 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

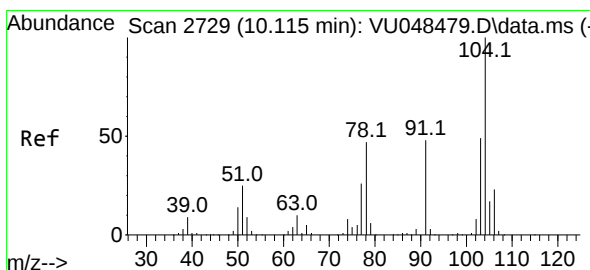
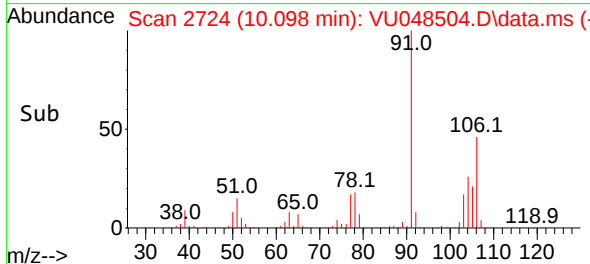
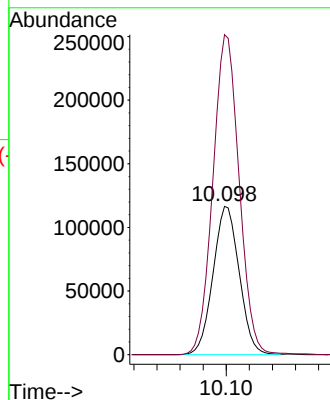
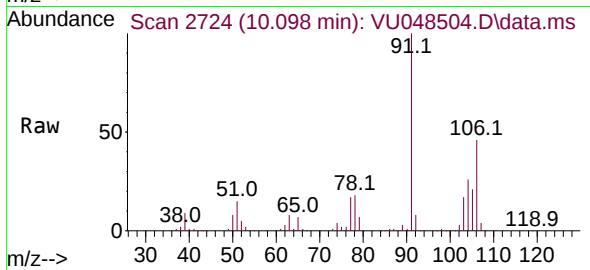
ClientSampleId :

Tgt Ion:106 Resp: 183329

Ion Ratio Lower Upper

106 100

91 215.7 148.8 276.4



#55

Styrene

Concen: 48.109 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU048504.D

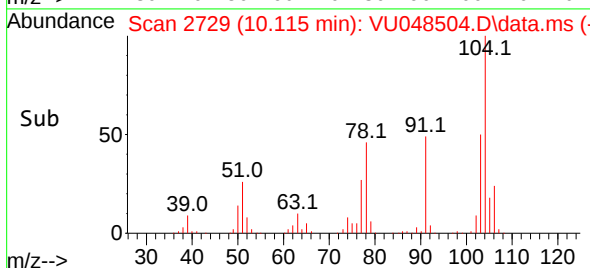
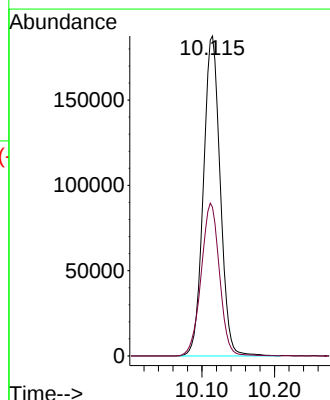
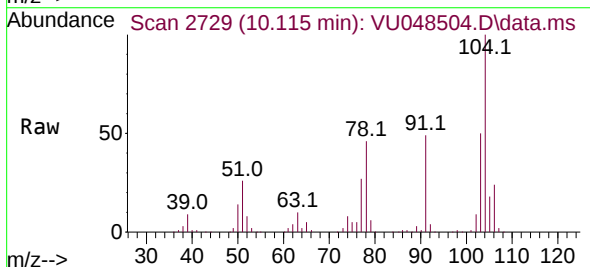
Acq: 10 May 2022 20:18

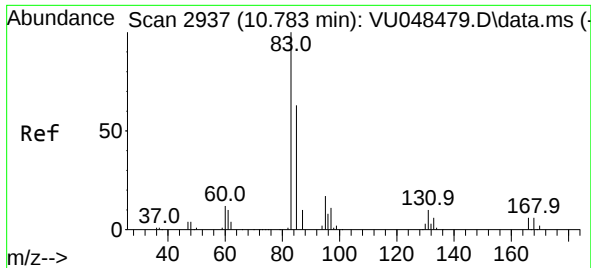
Tgt Ion:104 Resp: 302576

Ion Ratio Lower Upper

104 100

78 46.4 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 42.077 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :

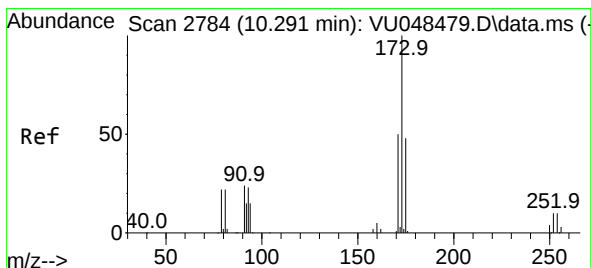
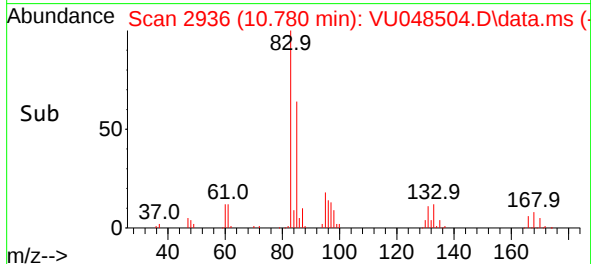
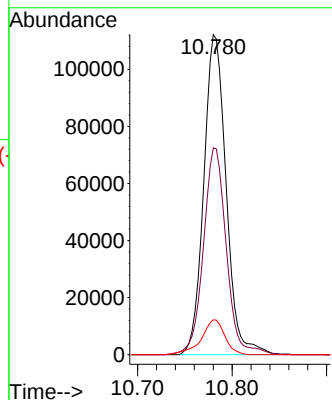
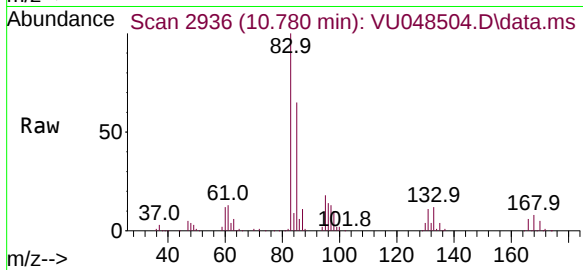
Tgt Ion: 83 Resp: 184421

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4

131 10.9 7.4 11.0



#59

Bromoform

Concen: 45.186 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

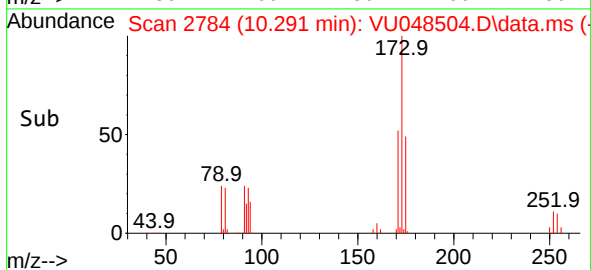
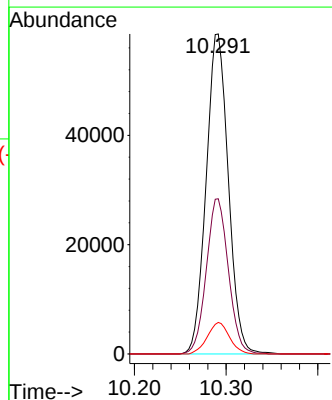
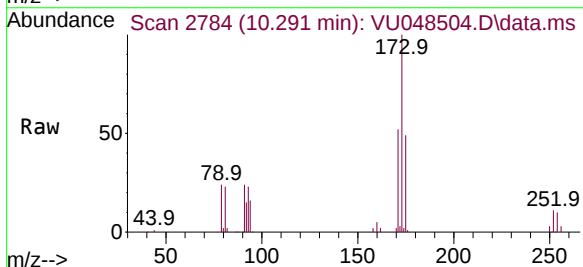
Tgt Ion:173 Resp: 98455

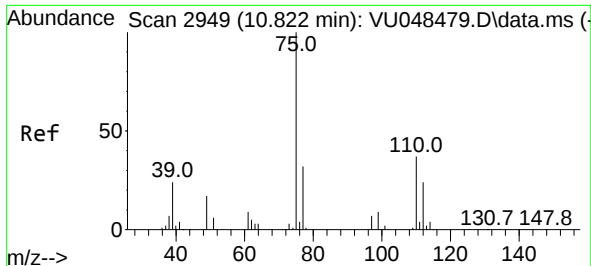
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 9.8 7.3 10.9

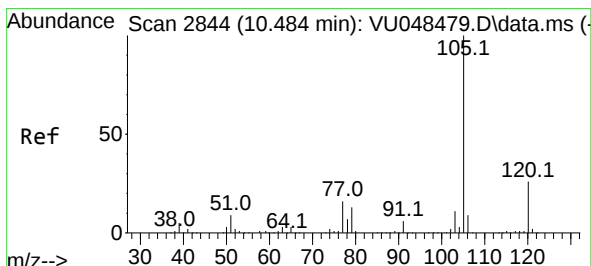
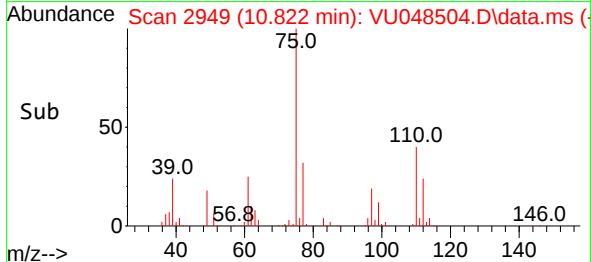
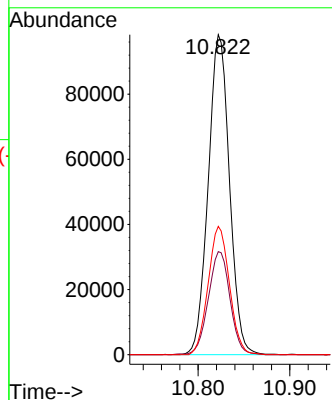
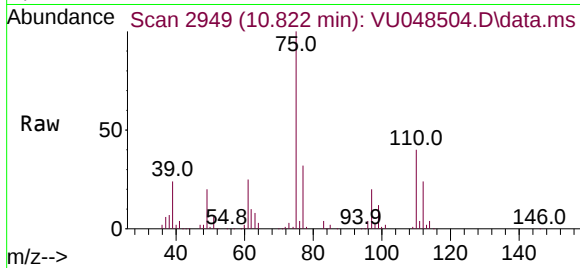




#60
1,2,3-Trichloropropane
Concen: 39.507 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

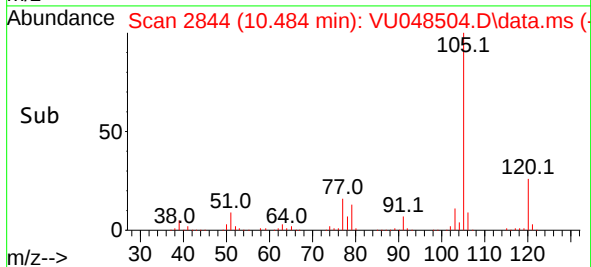
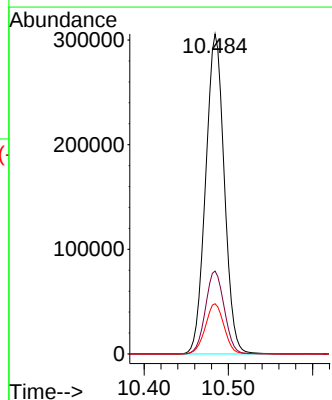
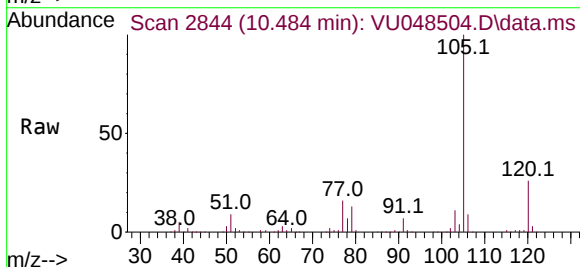
Instrument :
MSVOA_U
ClientSampleId :

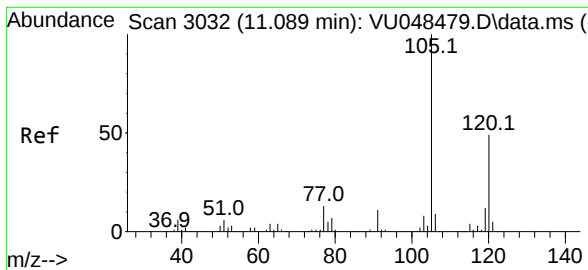
Tgt Ion: 75 Resp: 158440
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
110 40.2 28.9 43.3



#61
Isopropylbenzene
Concen: 43.723 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion: 105 Resp: 470704
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.4
77 15.9 12.5 18.7

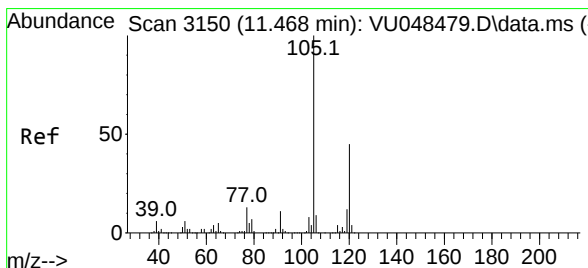
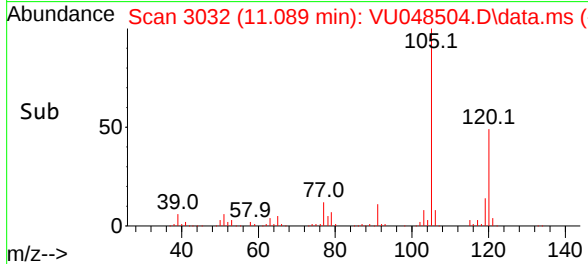
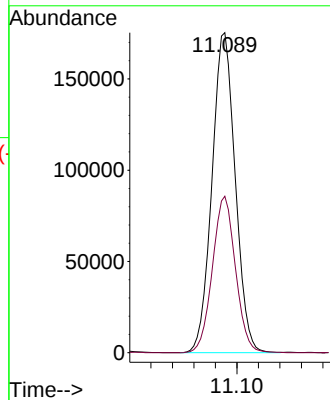
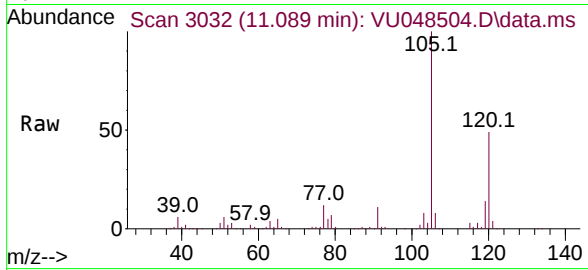




#62
 1,3,5-Trimethylbenzene
 Concen: 44.386 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU048504.D
 Acq: 10 May 2022 20:18

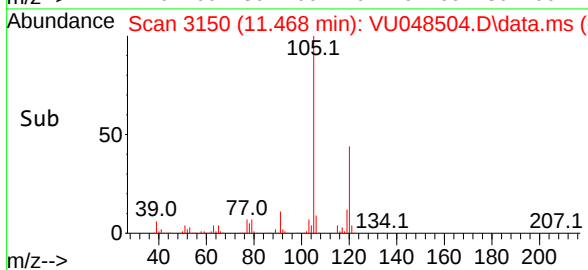
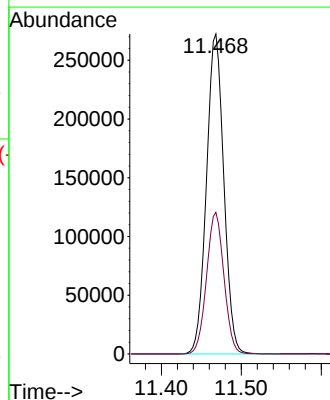
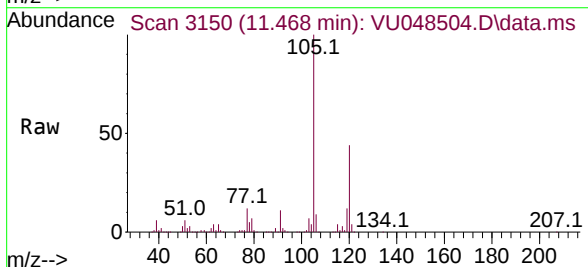
Instrument :
 MSVOA_U
 ClientSampleId :

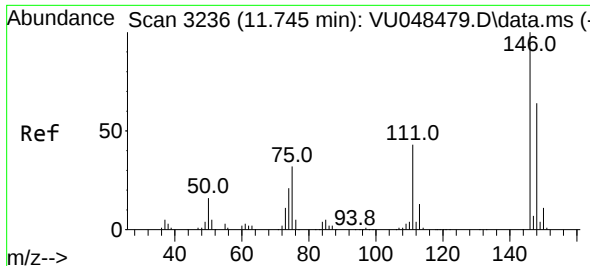
Tgt Ion:105 Resp: 263410
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 46.498 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU048504.D
 Acq: 10 May 2022 20:18

Tgt Ion:105 Resp: 410955
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.4 53.2

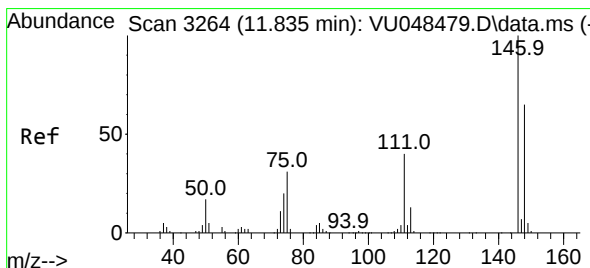
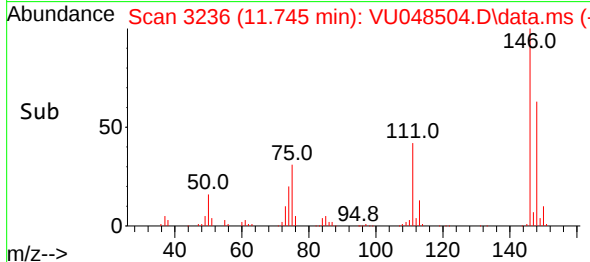
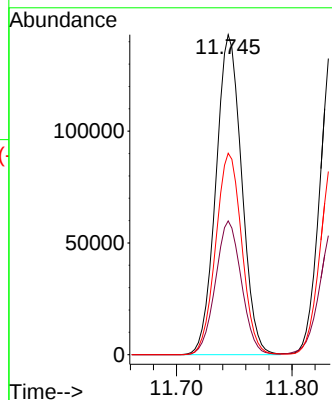
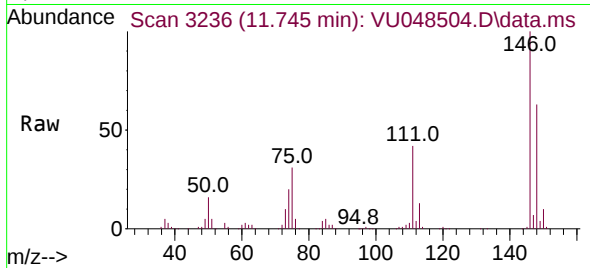




#64
1,3-Dichlorobenzene
Concen: 43.729 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

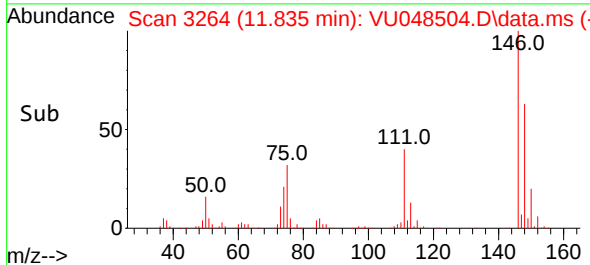
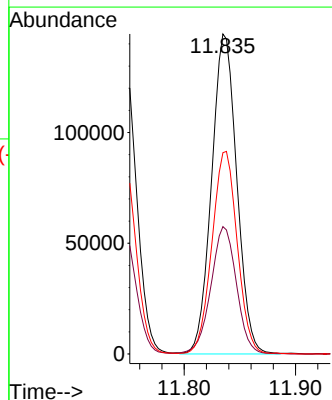
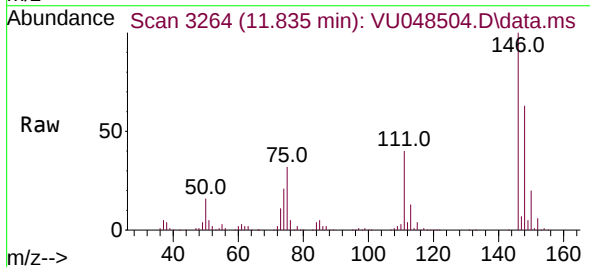
Instrument :
MSVOA_U
ClientSampleId :

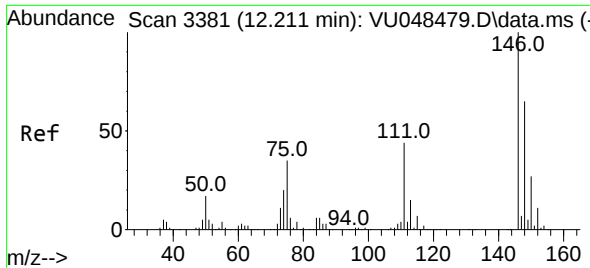
Tgt Ion:146 Resp: 222029
Ion Ratio Lower Upper
146 100
111 41.8 28.3 52.7
148 63.0 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 44.677 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:146 Resp: 227434
Ion Ratio Lower Upper
146 100
111 39.8 28.4 52.8
148 62.9 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 44.384 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :

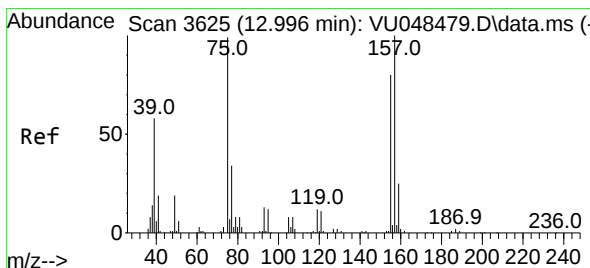
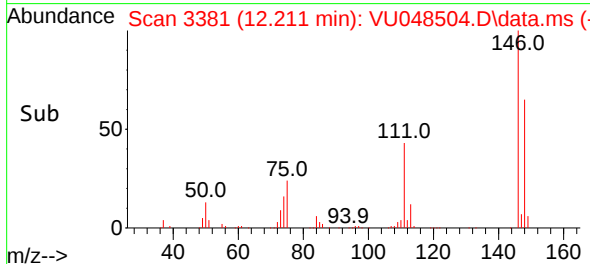
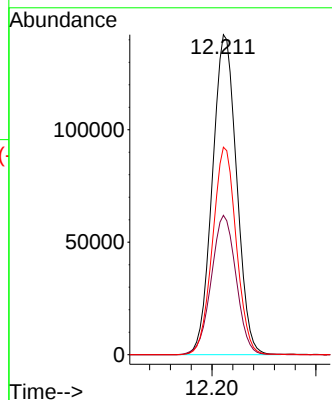
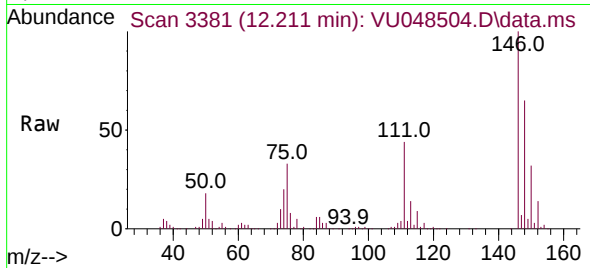
Tgt Ion:146 Resp: 230615

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

148 64.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.270 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

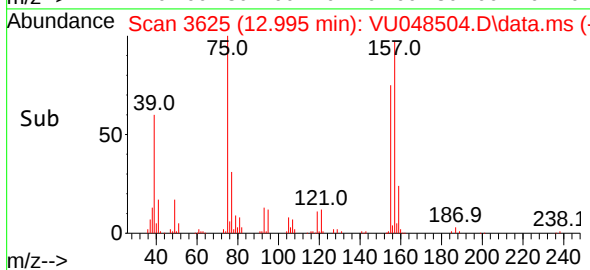
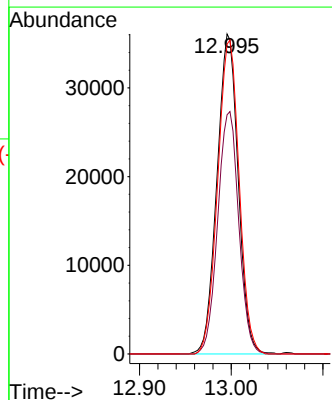
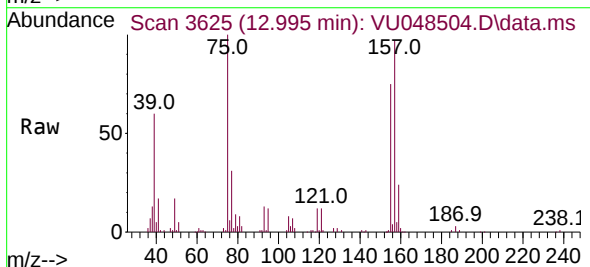
Tgt Ion: 75 Resp: 57914

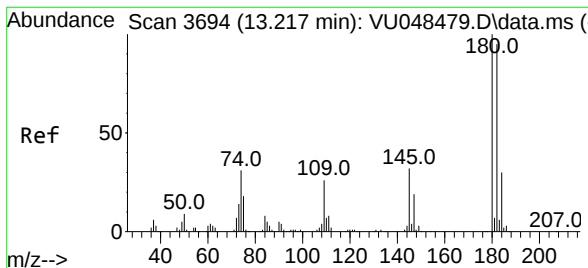
Ion Ratio Lower Upper

75 100

155 74.8 63.4 95.0

157 96.8 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 44.691 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

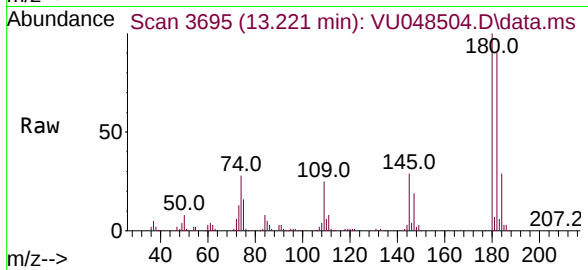
Lab File: VU048504.D

Acq: 10 May 2022 20:18

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 160438

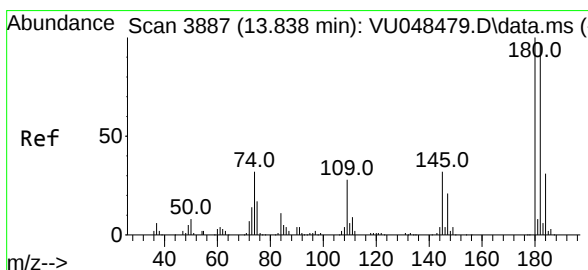
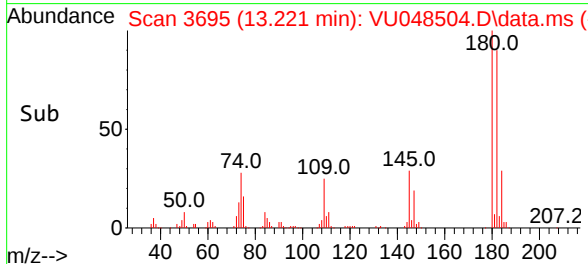
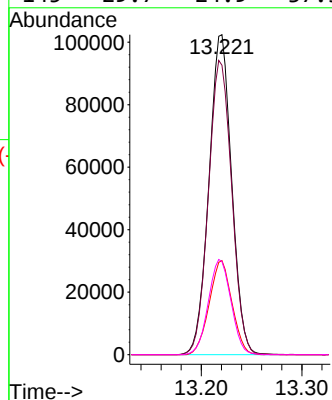
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

184 29.5 23.8 35.8

145 29.7 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 46.622 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU048504.D

Acq: 10 May 2022 20:18

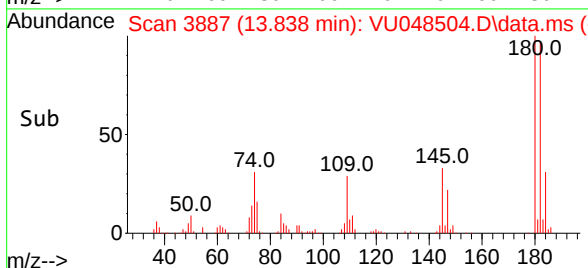
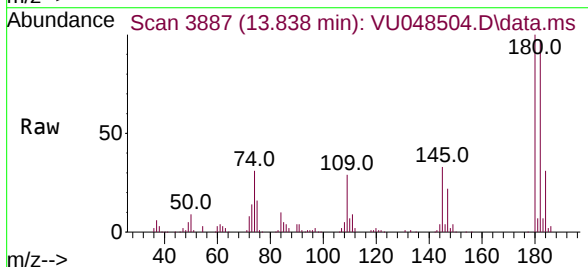
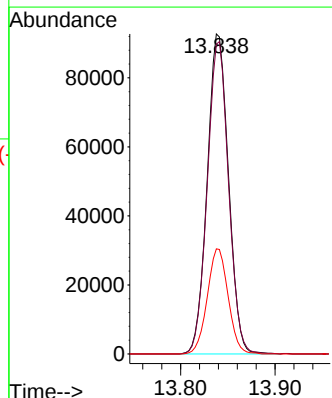
Tgt Ion:180 Resp: 145352

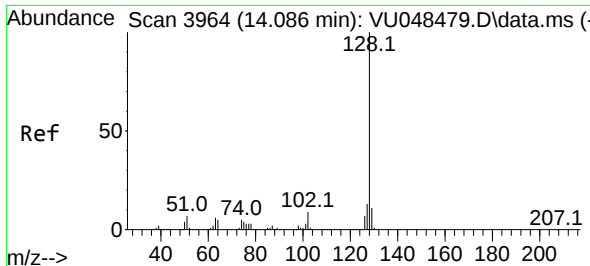
Ion Ratio Lower Upper

180 100

182 97.1 77.1 115.7

145 32.2 24.9 37.3

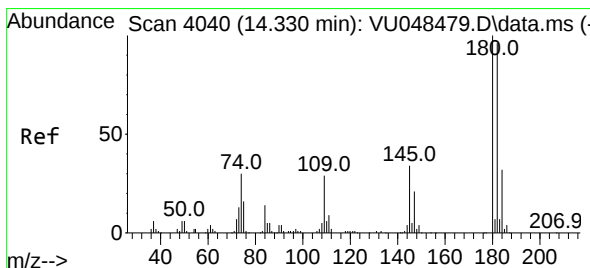
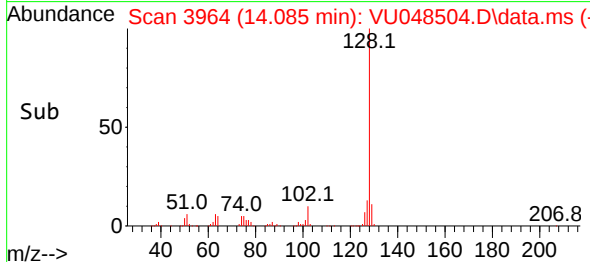
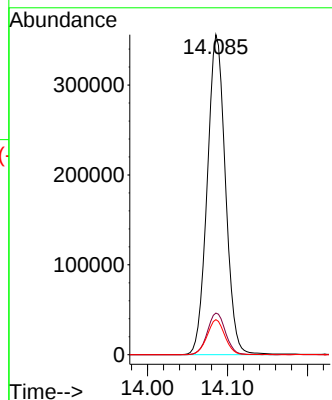
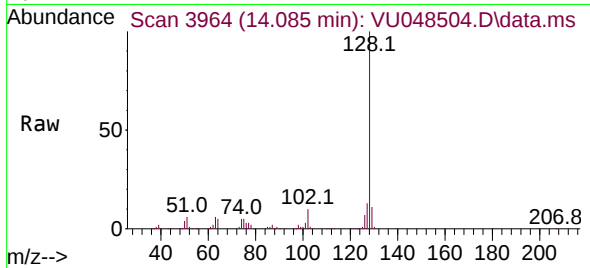




#71
Naphthalene
Concen: 46.946 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 563631
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.635 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048504.D
Acq: 10 May 2022 20:18

Tgt Ion:180 Resp: 157949
Ion Ratio Lower Upper
180 100
182 97.9 75.4 113.2
145 33.0 26.4 39.6

