

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120121\
 Data File : VU046040.D
 Acq On : 01 Dec 2021 17:34
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 02 02:45:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	186449	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	186568	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99792	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	70075	45.626	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.260%
7) Chloroethane-d5	1.919	69	54826	46.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.980%
11) 1,1-Dichloroethene-d2	2.575	63	124249	45.064	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.120%
21) 2-Butanone-d5	4.639	46	124230	101.749	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.750%
24) Chloroform-d	5.066	84	124952	48.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.440%
26) 1,2-Dichloroethane-d4	5.706	65	84986	49.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.740%
32) Benzene-d6	5.732	84	269891	50.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.940%
36) 1,2-Dichloropropane-d6	6.693	67	83922	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.280%
41) Toluene-d8	7.899	98	248639	51.068	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.140%
43) trans-1,3-Dichloroprop...	8.179	79	41501	51.876	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.760%
47) 2-Hexanone-d5	8.636	63	82000	104.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	127180	50.603	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	96138	50.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84666	41.738	ug/L	100
3) Chloromethane	1.520	50	74560	41.094	ug/L	98
5) Vinyl chloride	1.607	62	77123	42.156	ug/L	99
6) Bromomethane	1.861	94	45223	43.613	ug/L	97
8) Chloroethane	1.938	64	44129	41.661	ug/L	100
9) Trichlorofluoromethane	2.144	101	103150	43.187	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	58280	42.958	ug/L	98
12) 1,1-Dichloroethene	2.584	96	54857	42.552	ug/L	99
13) Acetone	2.661	43	96561	63.281	ug/L	98
14) Carbon disulfide	2.800	76	166723	41.683	ug/L	100
15) Methyl Acetate	2.960	43	74274	41.755	ug/L	100
16) Methylene chloride	3.051	84	63077	41.124	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	59106	43.323	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	185413	44.098	ug/L	100
19) 1,1-Dichloroethane	3.874	63	107275	43.246	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	64848	43.806	ug/L	97
22) 2-Butanone	4.722	43	121984	73.435	ug/L	97
23) Bromochloromethane	4.980	128	33664	45.026	ug/L	91
25) Chloroform	5.092	83	121396	44.046	ug/L	99

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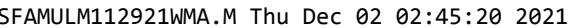
Instrument :
 MSVOA_U
 ClientSampleId :

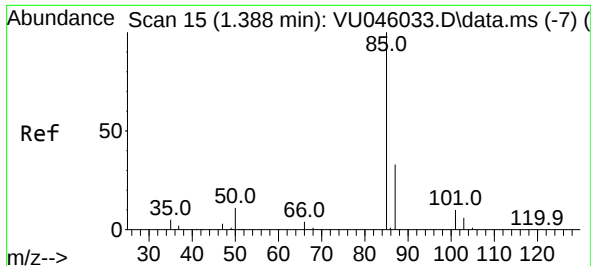
Quant Time: Dec 02 02:45:13 2021
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87605	42.834	ug/L	99
29) Cyclohexane	5.394	56	96456	44.399	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	99559	43.473	ug/L	99
31) Carbon tetrachloride	5.530	117	85218	43.832	ug/L	98
33) Benzene	5.777	78	246492	43.652	ug/L	100
34) Trichloroethene	6.546	95	64222	43.172	ug/L	98
35) Methylcyclohexane	6.767	83	104245	45.195	ug/L	100
37) 1,2-Dichloropropane	6.793	63	64634	43.695	ug/L	99
38) Bromodichloromethane	7.108	83	84465	42.961	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	102574	45.583	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	190353	87.587	ug/L	99
42) Toluene	7.970	91	270048	44.569	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	99452	44.998	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	64316	43.339	ug/L	98
46) Tetrachloroethene	8.555	164	47578	43.522	ug/L	98
48) 2-Hexanone	8.687	43	164142	84.451	ug/L	99
49) Dibromochloromethane	8.812	129	68756	44.120	ug/L	98
50) 1,2-Dibromoethane	8.925	107	69336	43.095	ug/L	97
51) Chlorobenzene	9.449	112	169005	43.114	ug/L	98
52) Ethylbenzene	9.571	91	289988	44.471	ug/L	98
53) m,p-Xylene	9.697	106	115241	45.316	ug/L	99
54) o-xylene	10.102	106	110082	44.611	ug/L	99
55) Styrene	10.115	104	192877	45.783	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	104862	41.215	ug/L	100
59) Bromoform	10.291	173	50269	42.940	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	91289	41.732	ug/L	99
61) Isopropylbenzene	10.488	105	292902	45.111	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	247710	45.771	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	250172	46.204	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	134518	43.615	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	135360	42.466	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	133524	42.991	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	24052	41.273	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	97735	43.491	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	86525	43.388	ug/L	99
71) Naphthalene	14.085	128	325717	46.937	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	91408	44.949	ug/L	100

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

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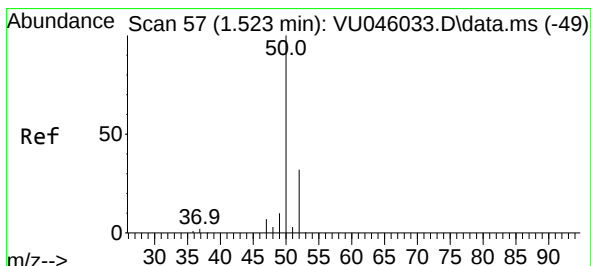
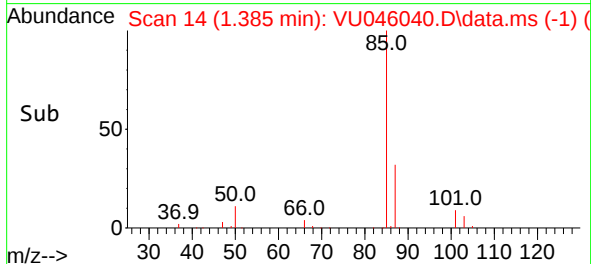
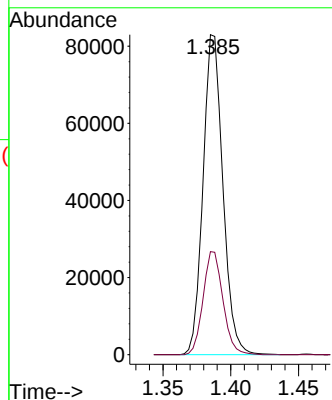
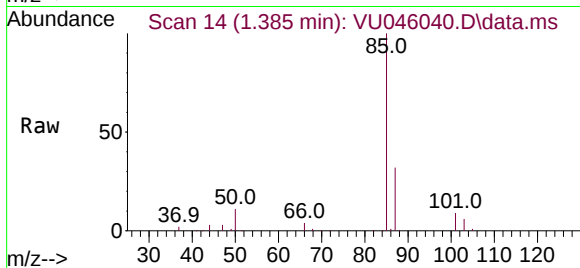




#2
 Dichlorodifluoromethane
 Concen: 41.738 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.003 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34

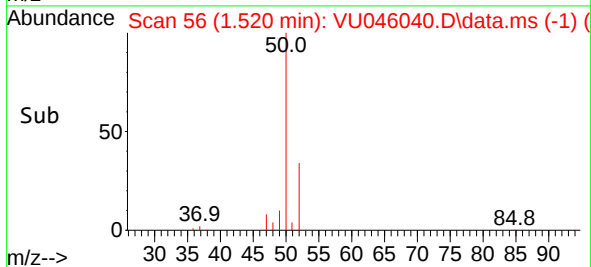
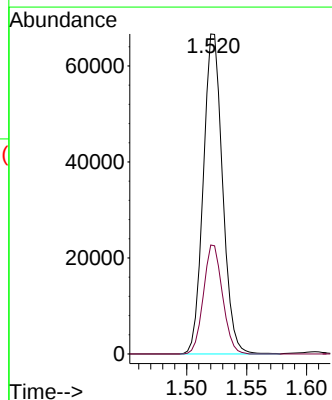
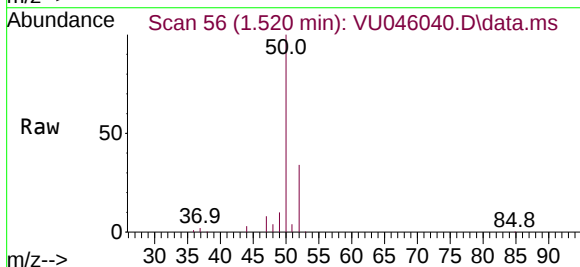
Instrument :
 MSVOA_U
 ClientSampleId :

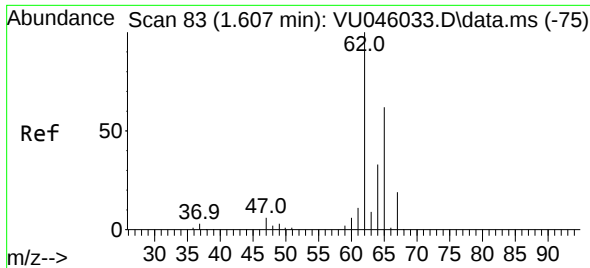
Tgt Ion: 85 Resp: 84666
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5



#3
 Chloromethane
 Concen: 41.094 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34

Tgt Ion: 50 Resp: 74560
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.2 43.2

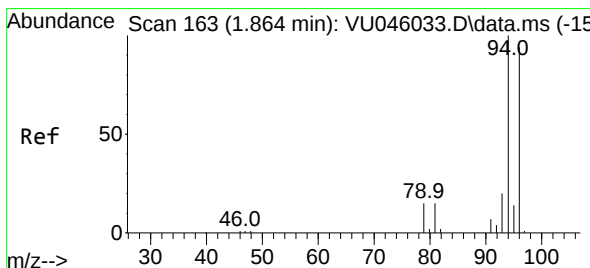
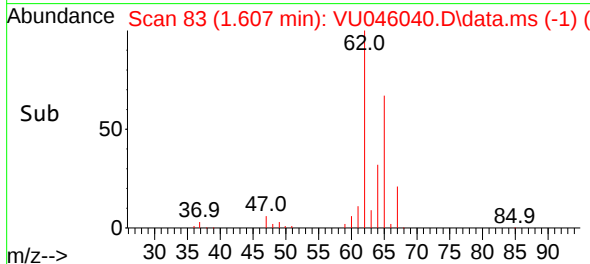
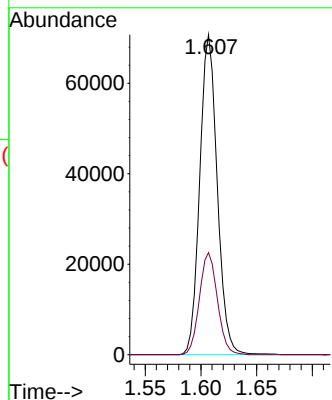
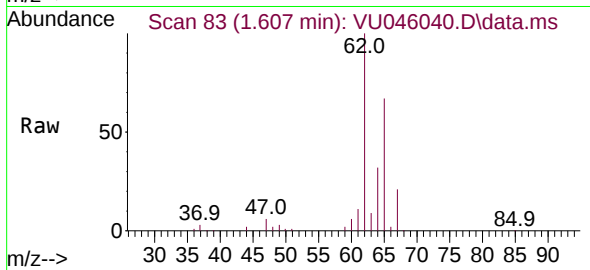




#5
 Vinyl chloride
 Concen: 42.156 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34

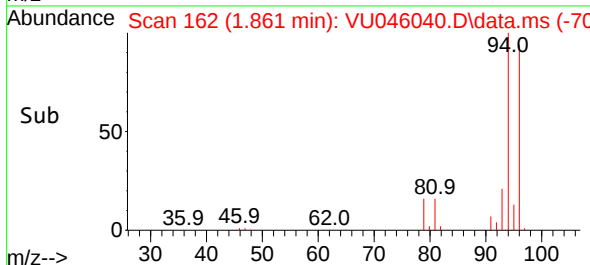
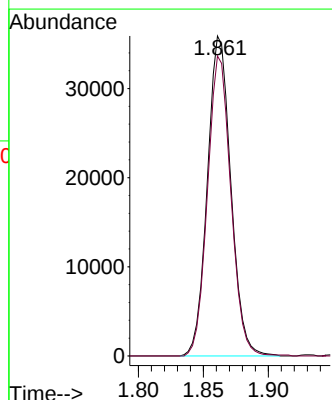
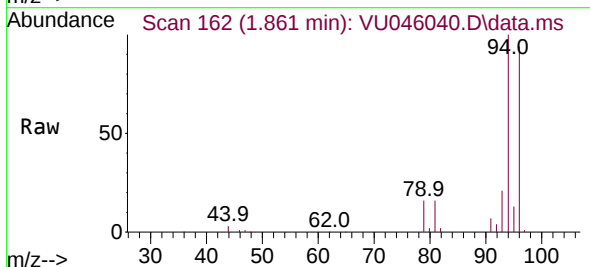
Instrument :
 MSVOA_U
 ClientSampleId :

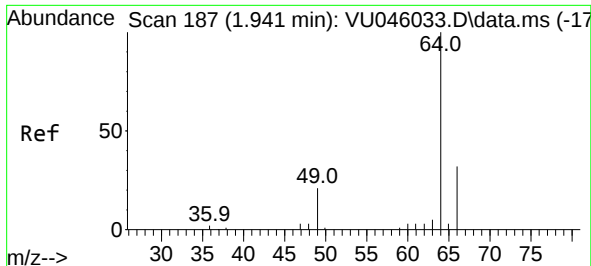
Tgt Ion: 62 Resp: 77123
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.9 42.5



#6
 Bromomethane
 Concen: 43.613 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34

Tgt Ion: 94 Resp: 45223
 Ion Ratio Lower Upper
 94 100
 96 93.8 67.4 125.2

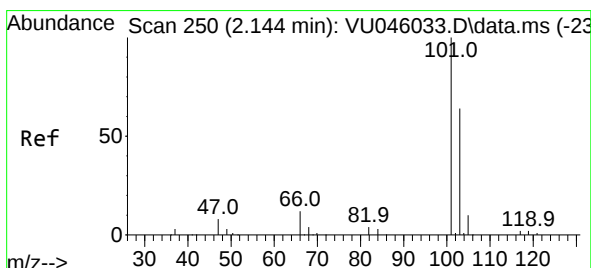
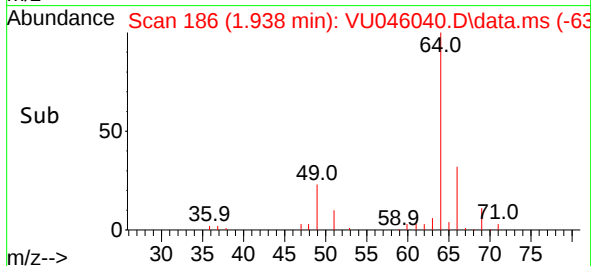
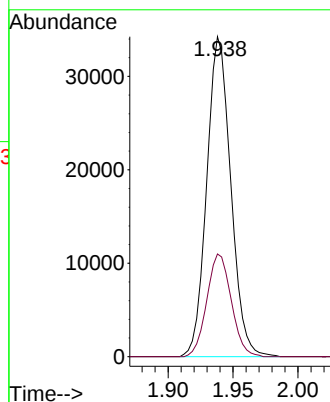
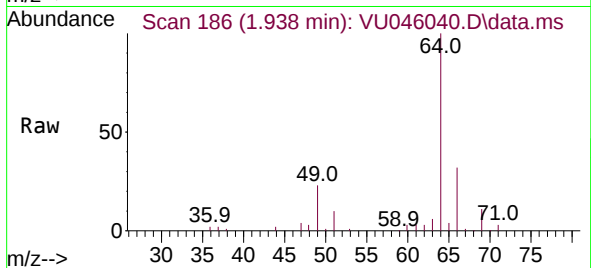




#8
Chloroethane
Concen: 41.661 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

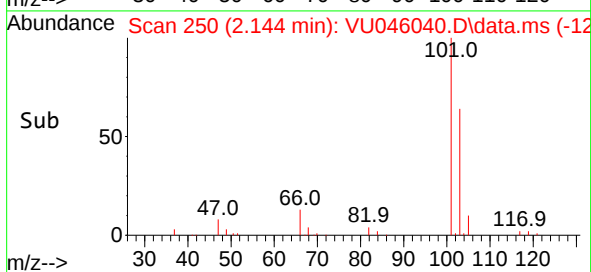
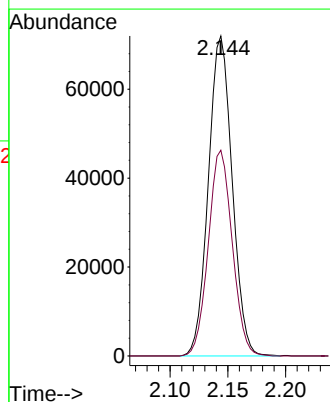
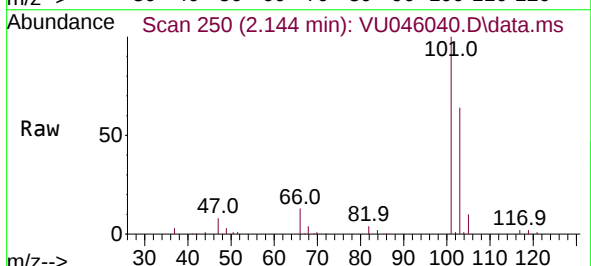
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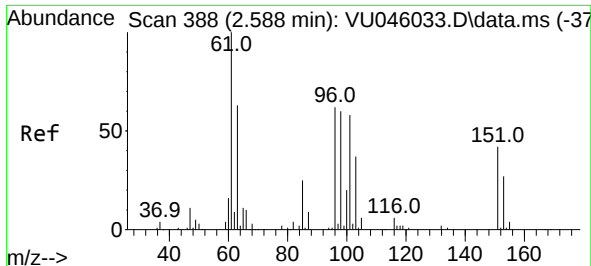
Tgt Ion: 64 Resp: 44129
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 43.187 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion:101 Resp: 103150
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 42.958 ug/L

RT: 2.587 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

ClientSampleId :

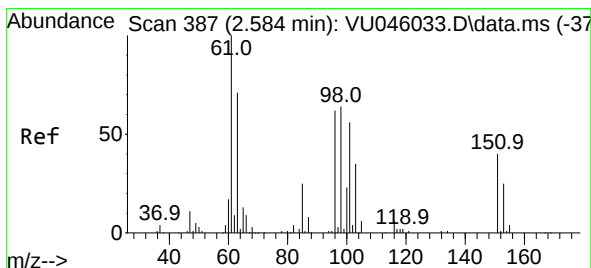
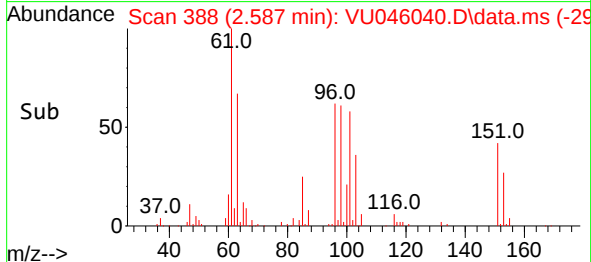
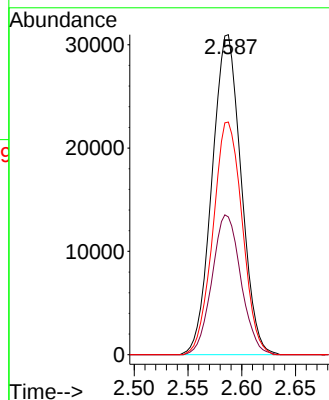
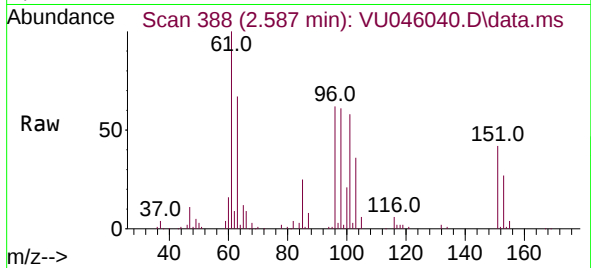
Tgt Ion:101 Resp: 58280

Ion Ratio Lower Upper

101 100

85 43.4 35.1 52.7

151 73.2 56.7 85.1



#12

1,1-Dichloroethene

Concen: 42.552 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

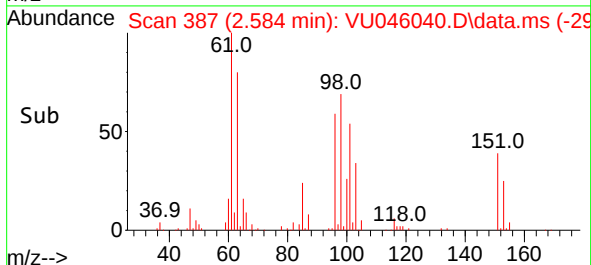
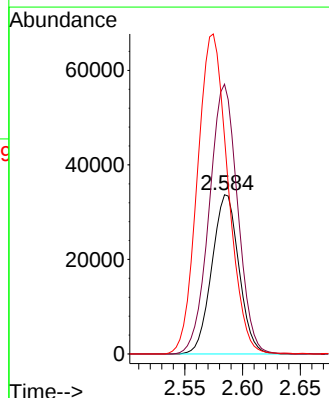
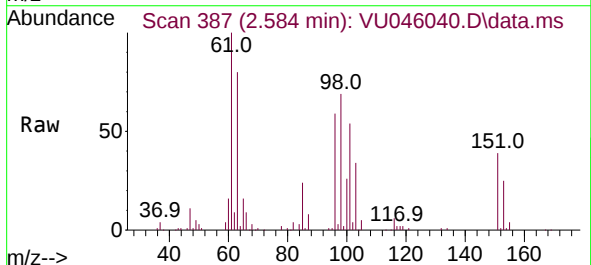
Tgt Ion: 96 Resp: 54857

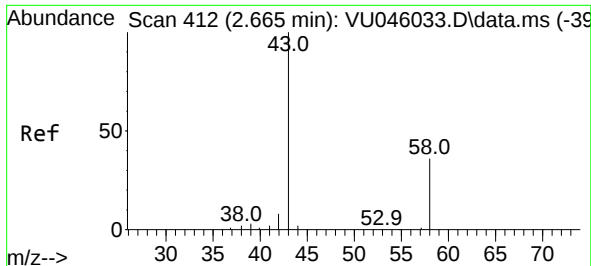
Ion Ratio Lower Upper

96 100

61 169.5 118.6 220.2

63 136.3 93.0 172.8





#13

Acetone

Concen: 63.281 ug/L

RT: 2.661 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

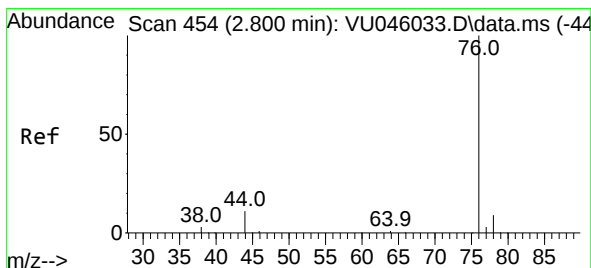
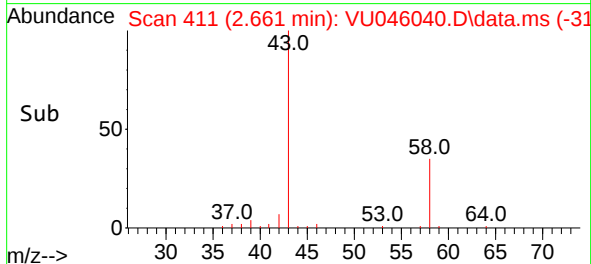
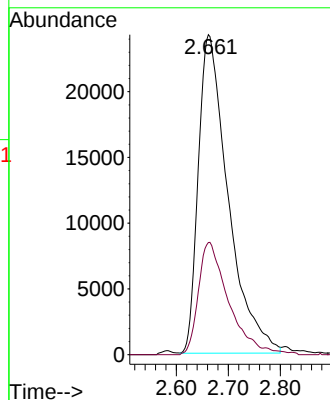
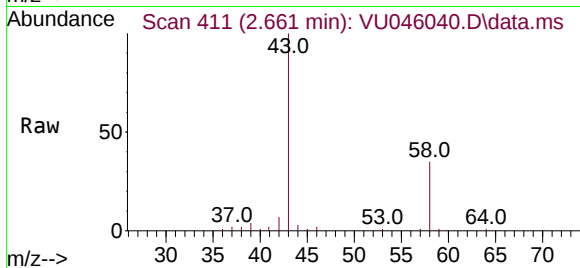
ClientSampleId :

Tgt Ion: 43 Resp: 96561

Ion Ratio Lower Upper

43 100

58 34.7 0.0 66.8



#14

Carbon disulfide

Concen: 41.683 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046040.D

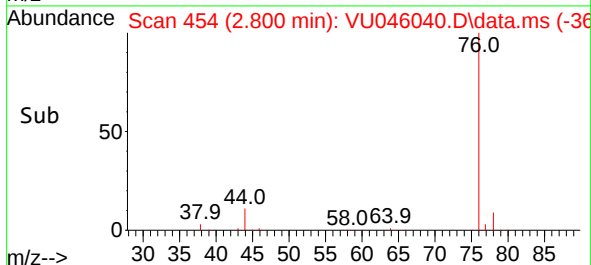
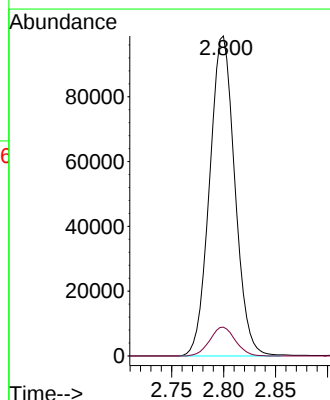
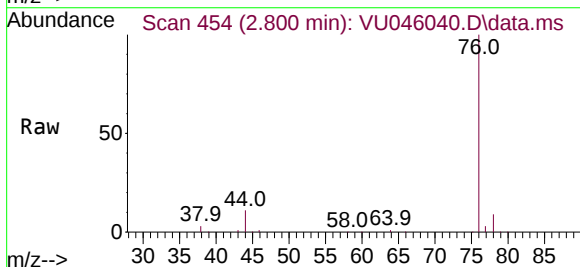
Acq: 01 Dec 2021 17:34

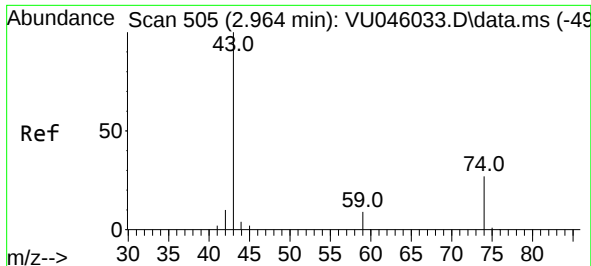
Tgt Ion: 76 Resp: 166723

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

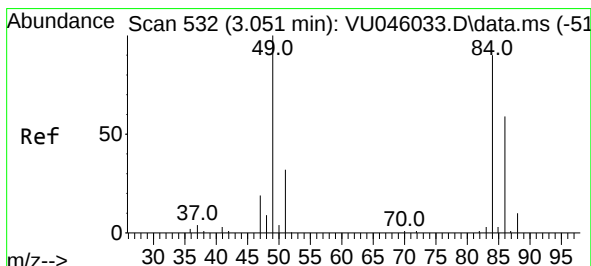
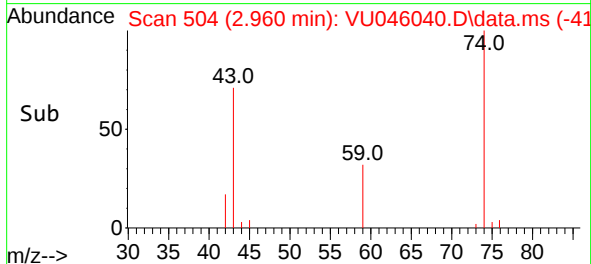
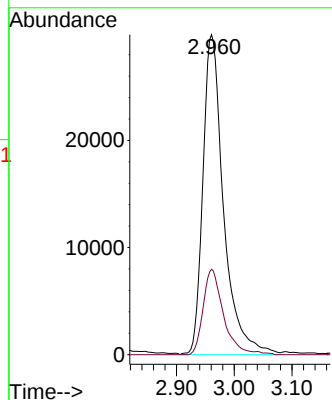
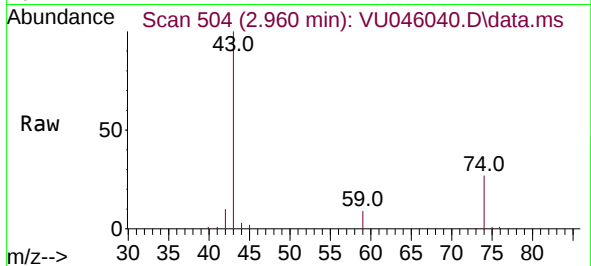




#15
Methyl Acetate
Concen: 41.755 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

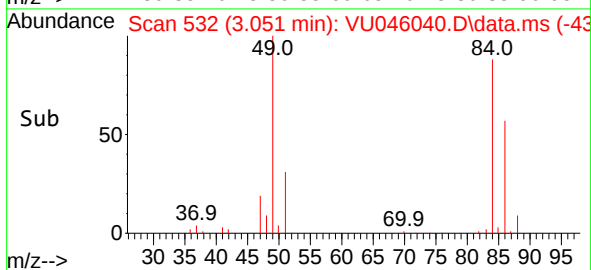
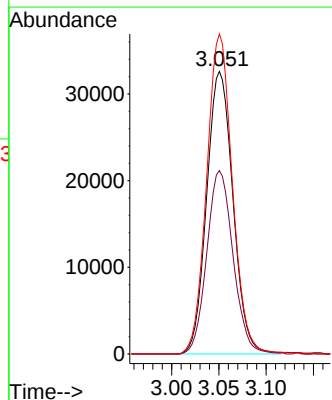
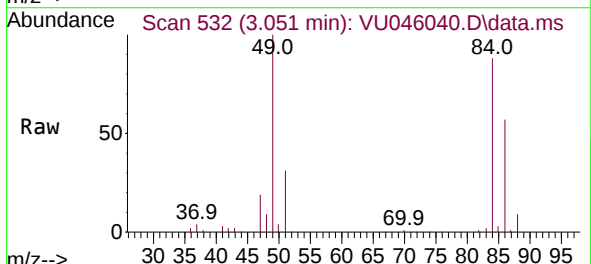
Instrument :
MSVOA_U
ClientSampleId :

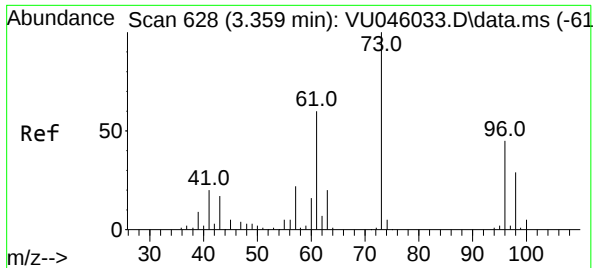
Tgt Ion: 43 Resp: 74274
Ion Ratio Lower Upper
43 100
74 25.8 20.8 31.2



#16
Methylene chloride
Concen: 41.124 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion: 84 Resp: 63077
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 113.2 78.4 145.6

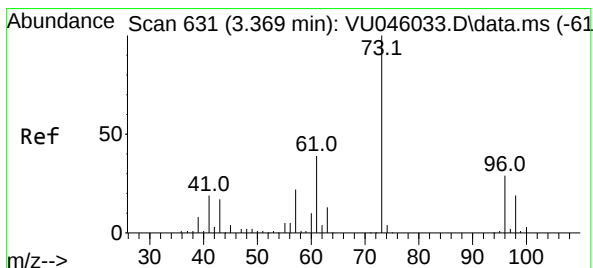
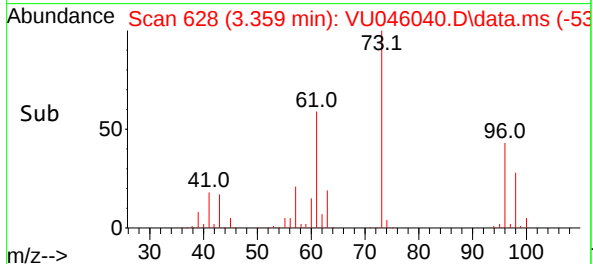
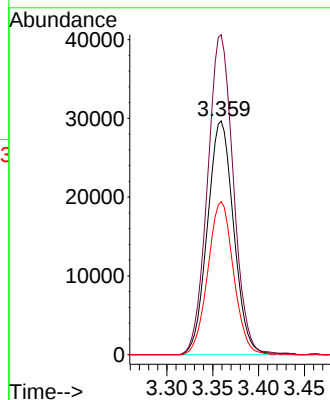
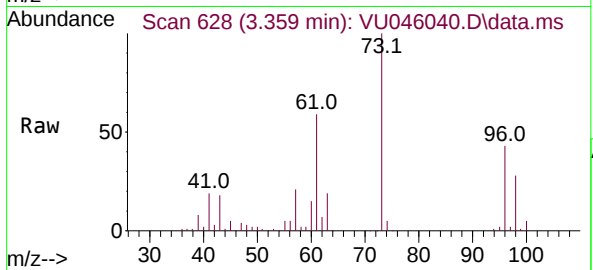




#17
trans-1,2-Dichloroethene
Concen: 43.323 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

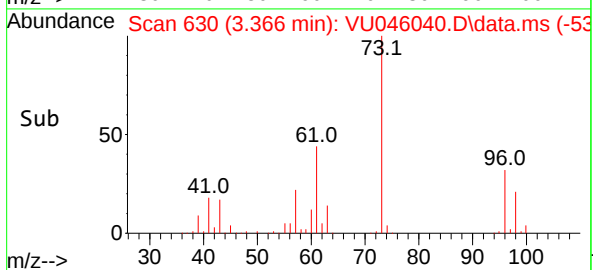
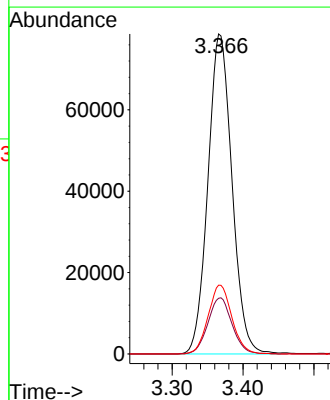
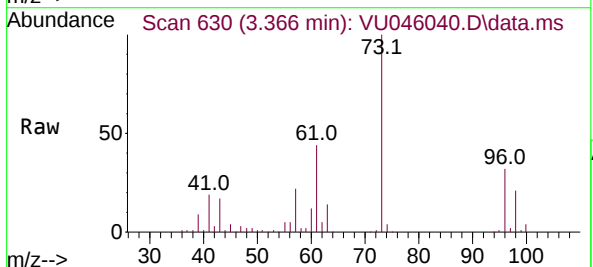
Instrument :
MSVOA_U
ClientSampleId :

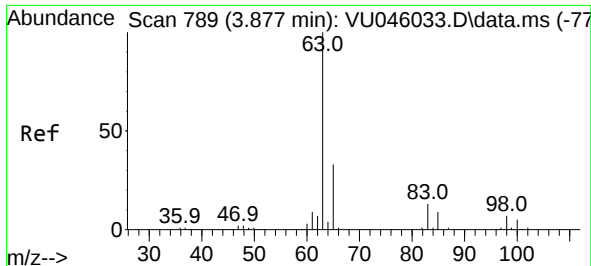
Tgt Ion: 96 Resp: 59106
Ion Ratio Lower Upper
96 100
61 136.9 94.6 175.6
98 65.5 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 44.098 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion: 73 Resp: 185413
Ion Ratio Lower Upper
73 100
43 17.4 14.0 21.0
57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 43.246 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

ClientSampleId :

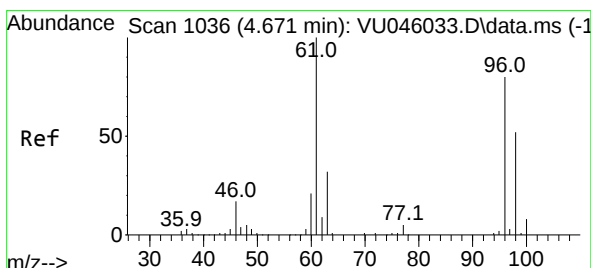
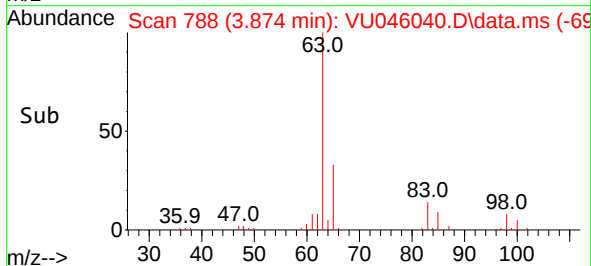
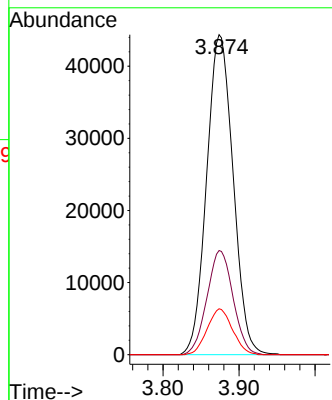
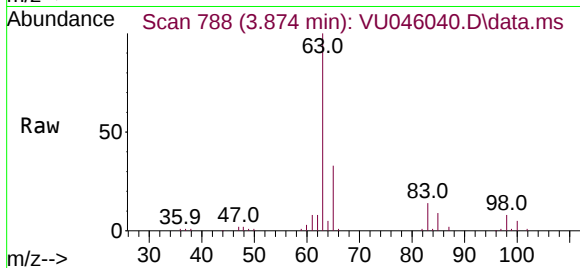
Tgt Ion: 63 Resp: 107275

Ion Ratio Lower Upper

63 100

65 32.6 22.8 42.4

83 14.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 43.806 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

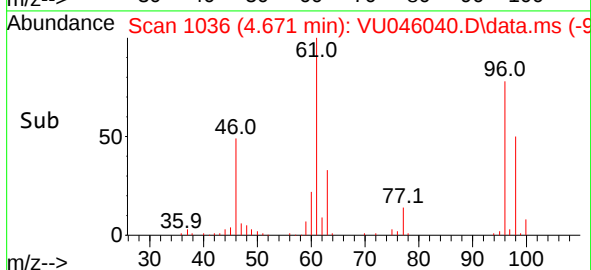
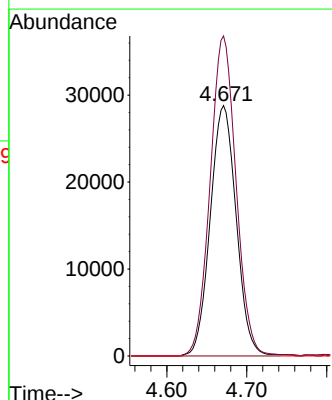
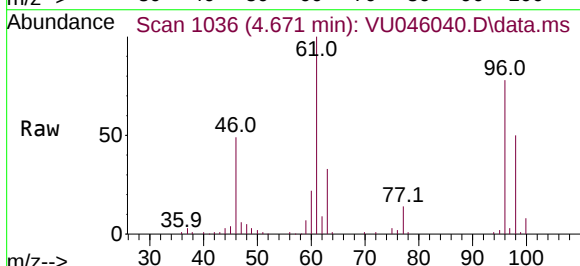
Tgt Ion: 96 Resp: 64848

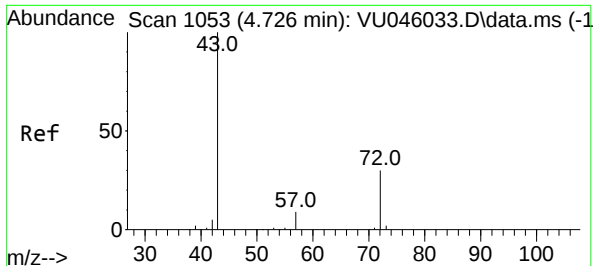
Ion Ratio Lower Upper

96 100

61 127.8 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 73.435 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

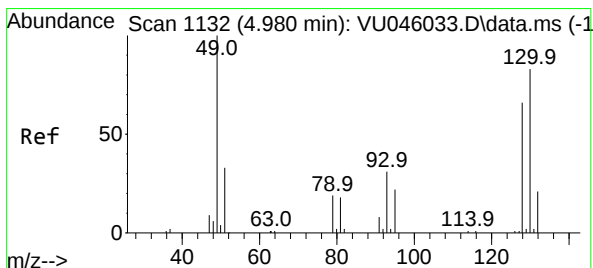
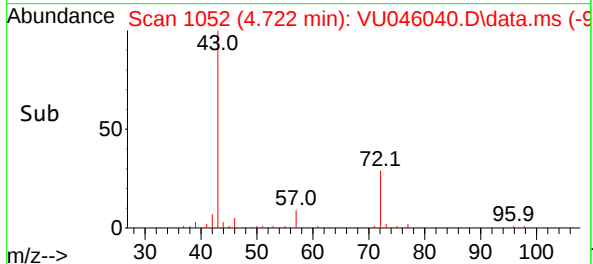
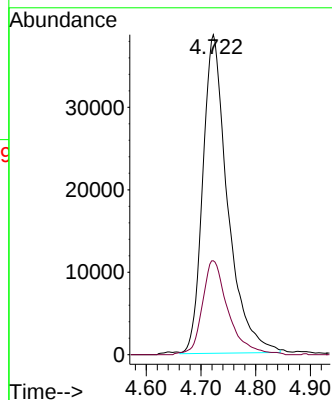
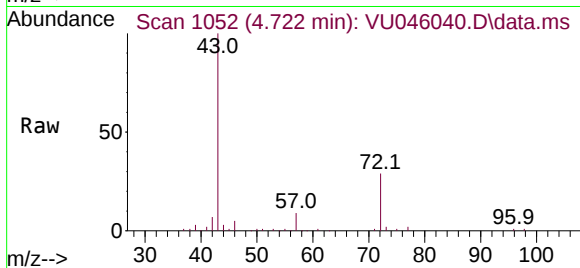
ClientSampleId :

Tgt Ion: 43 Resp: 121984

Ion Ratio Lower Upper

43 100

72 30.5 14.5 43.6



#23

Bromochloromethane

Concen: 45.026 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Tgt Ion: 128 Resp: 33664

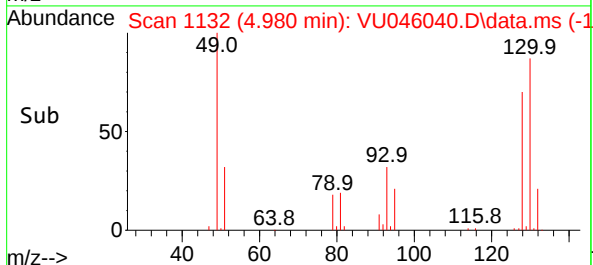
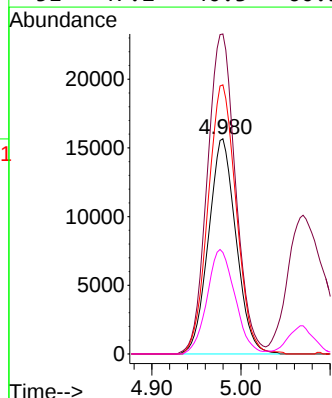
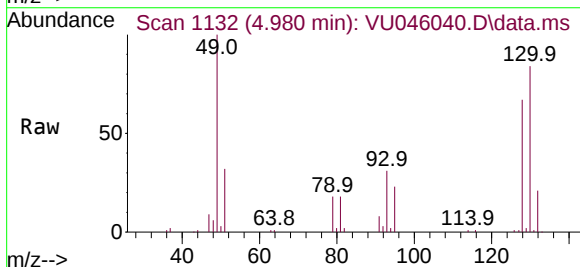
Ion Ratio Lower Upper

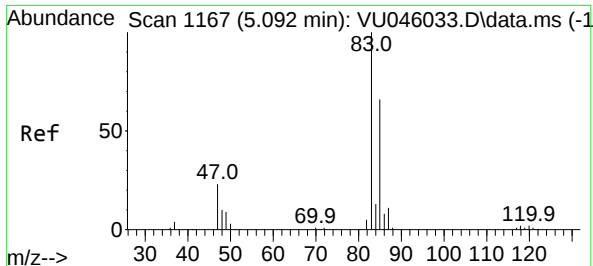
128 100

49 148.7 115.9 215.3

130 125.0 91.8 170.4

51 47.2 40.3 60.5





#25

Chloroform

Concen: 44.046 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

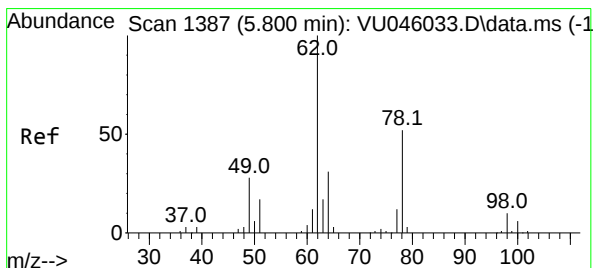
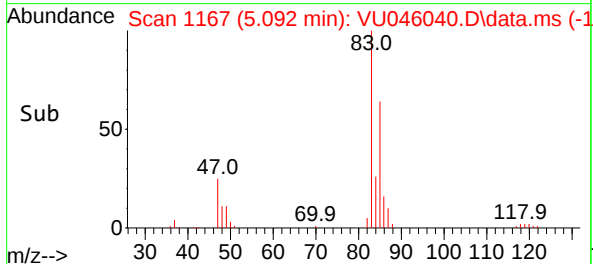
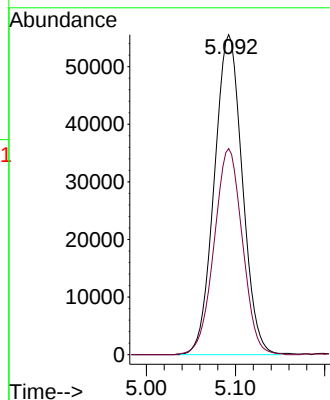
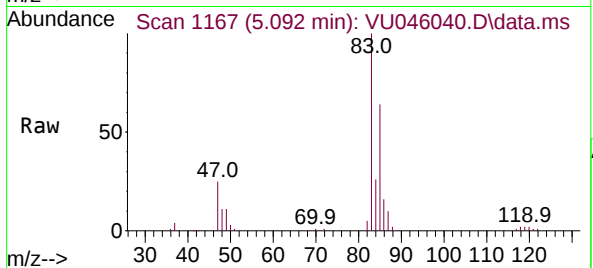
ClientSampleId :

Tgt Ion: 83 Resp: 121396

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 42.834 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046040.D

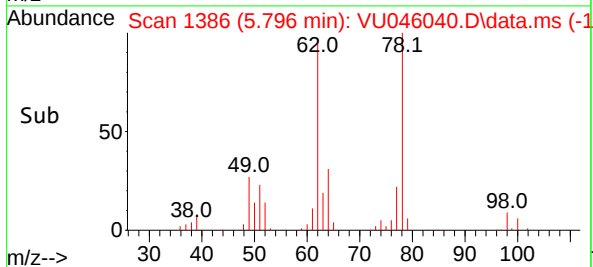
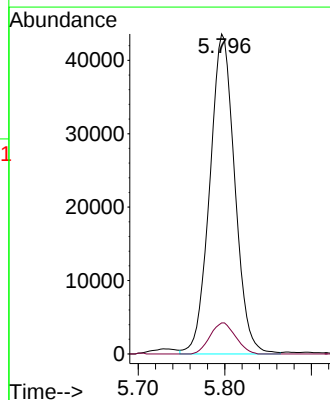
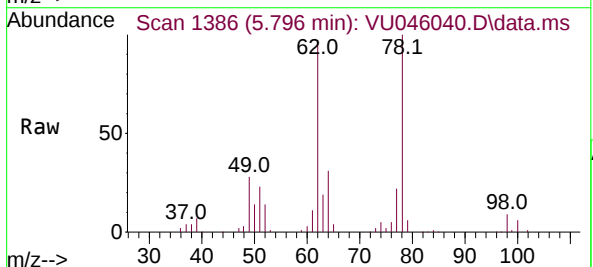
Acq: 01 Dec 2021 17:34

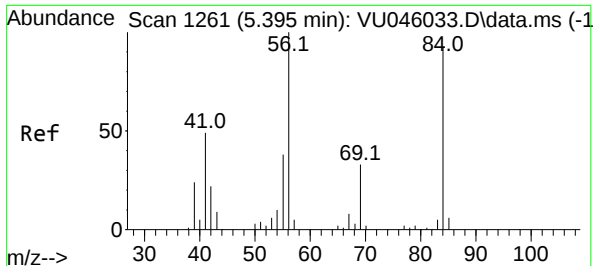
Tgt Ion: 62 Resp: 87605

Ion Ratio Lower Upper

62 100

98 9.7 7.9 11.9





#29

Cyclohexane

Concen: 44.399 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046040.D

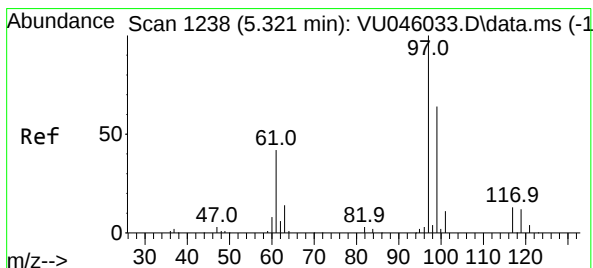
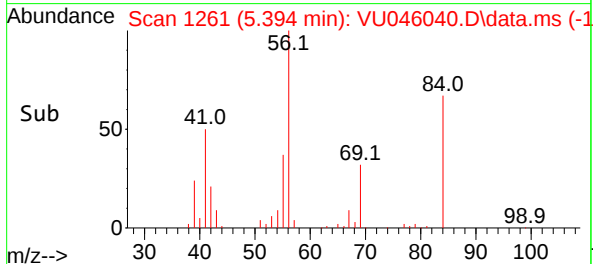
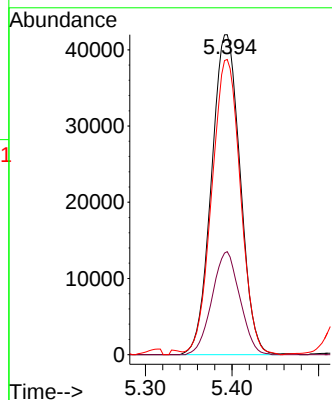
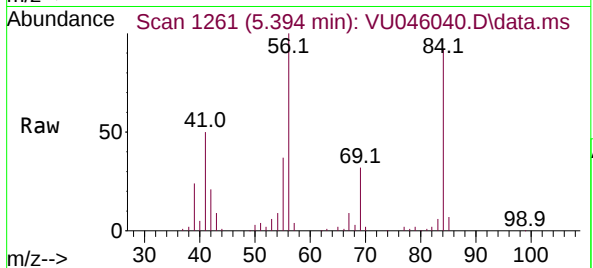
Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	96456
Ion Ratio	Lower	Upper	
56	100		
69	31.2	25.2	37.8
84	92.3	73.3	109.9



#30

1,1,1-Trichloroethane

Concen: 43.473 ug/L

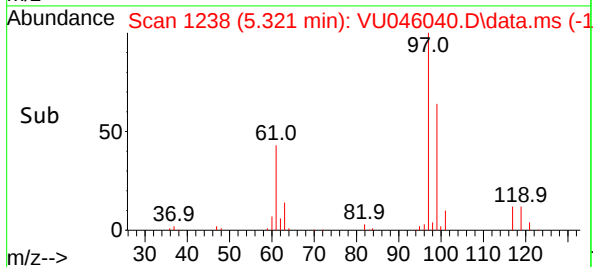
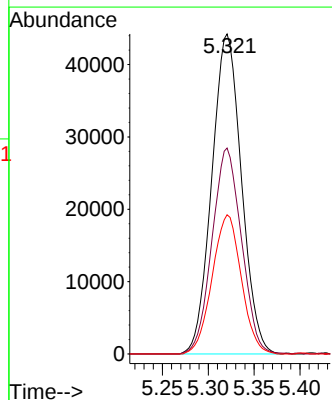
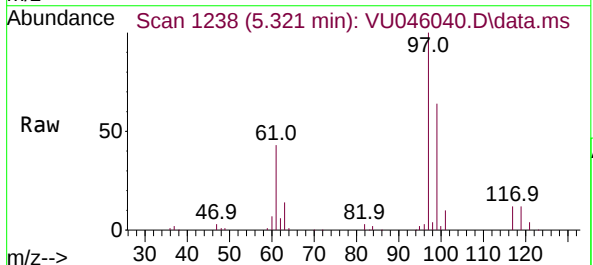
RT: 5.321 min Scan# 1238

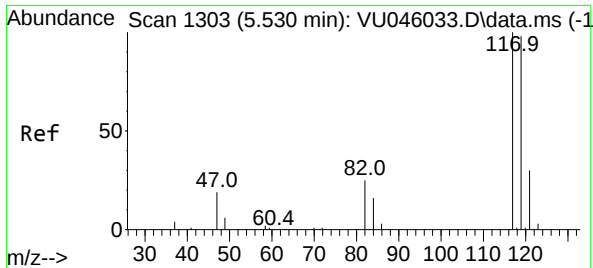
Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Tgt Ion:	97	Resp:	99559
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.6
61	42.7	34.4	51.6

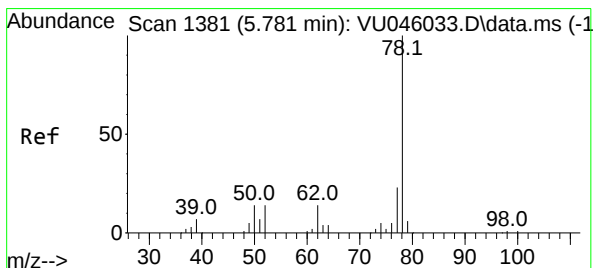
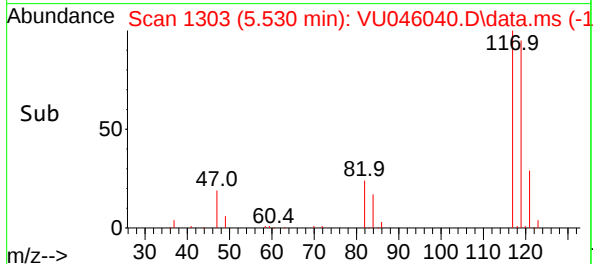
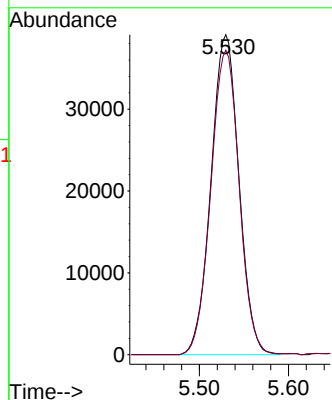
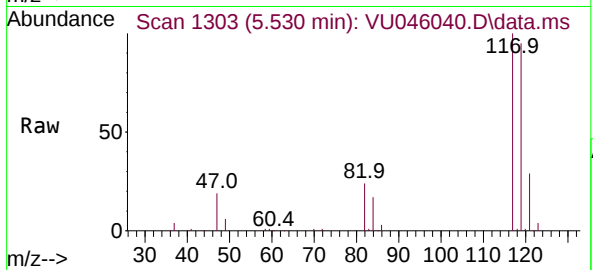




#31
Carbon tetrachloride
Concen: 43.832 ug/L
RT: 5.530 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

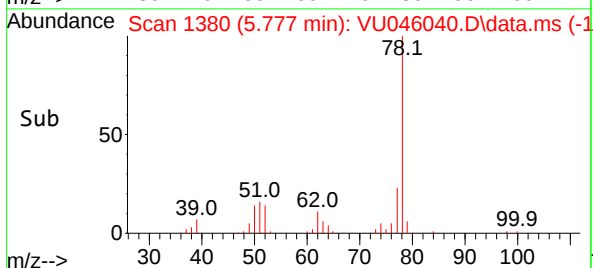
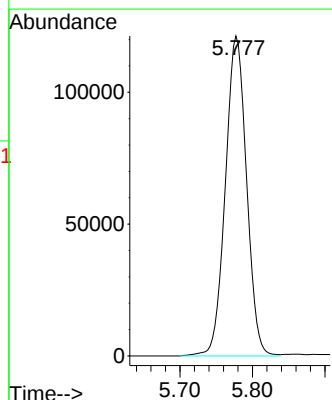
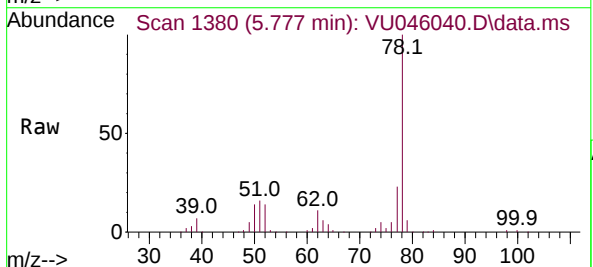
Instrument :
MSVOA_U
ClientSampleId :

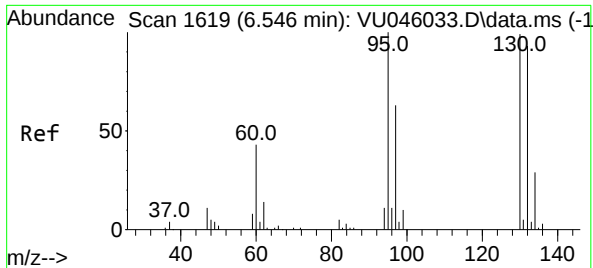
Tgt Ion:117 Resp: 85218
Ion Ratio Lower Upper
117 100
119 96.2 75.7 113.5



#33
Benzene
Concen: 43.652 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion: 78 Resp: 246492





#34

Trichloroethene

Concen: 43.172 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 64222

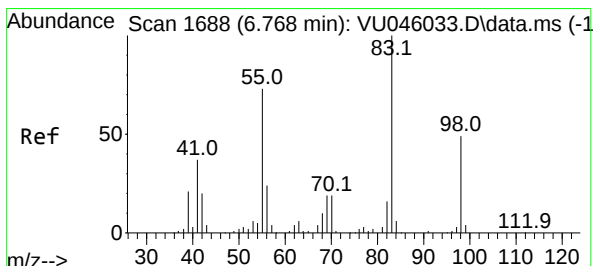
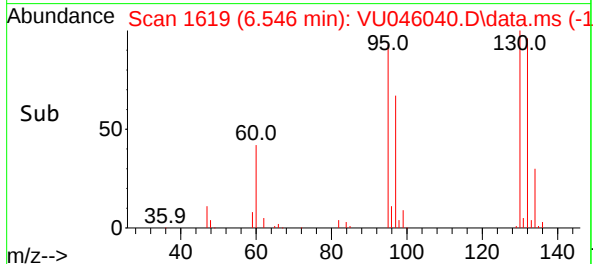
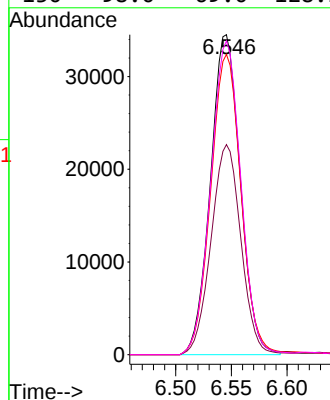
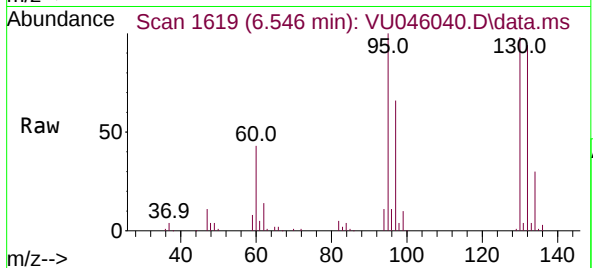
Ion Ratio Lower Upper

95 100

97 65.7 44.1 81.9

132 93.9 66.8 124.0

130 98.0 69.0 128.1



#35

Methylcyclohexane

Concen: 45.195 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

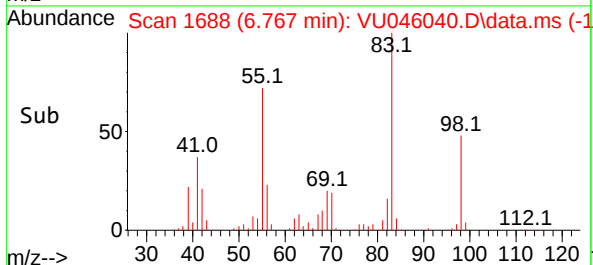
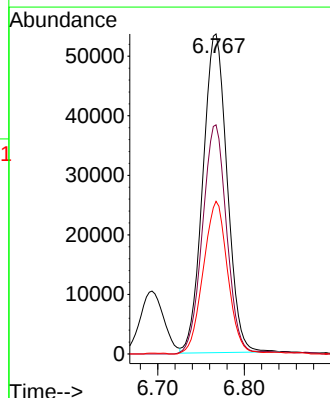
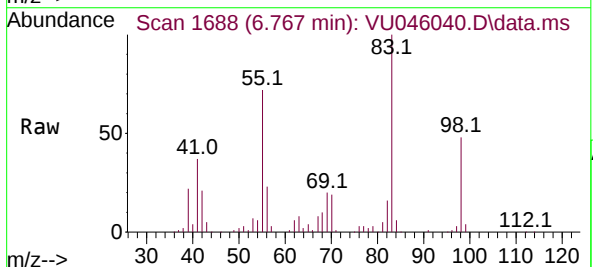
Tgt Ion: 83 Resp: 104245

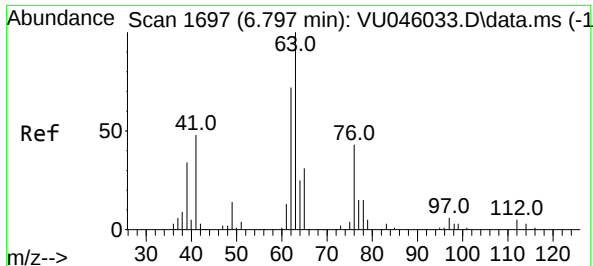
Ion Ratio Lower Upper

83 100

55 72.1 57.8 86.6

98 48.2 38.4 57.6





#37

1,2-Dichloropropane

Concen: 43.695 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

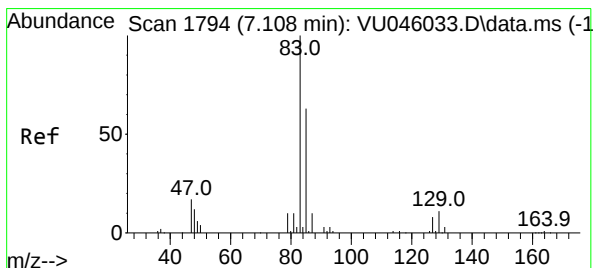
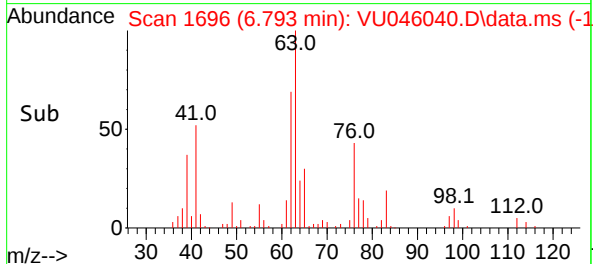
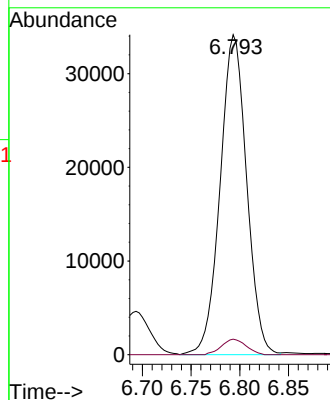
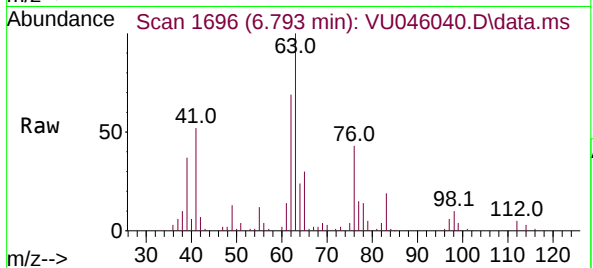
ClientSampleId :

Tgt Ion: 63 Resp: 64634

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 42.961 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

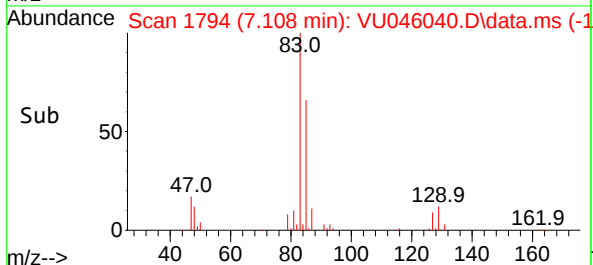
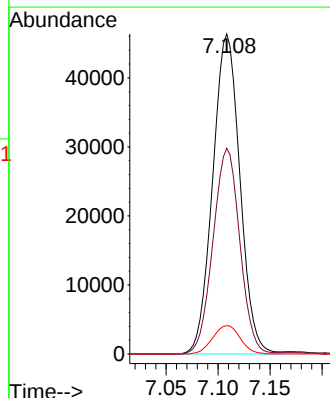
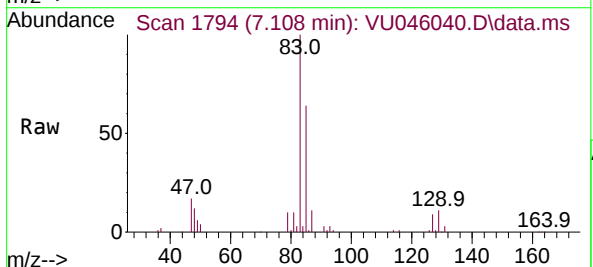
Tgt Ion: 83 Resp: 84465

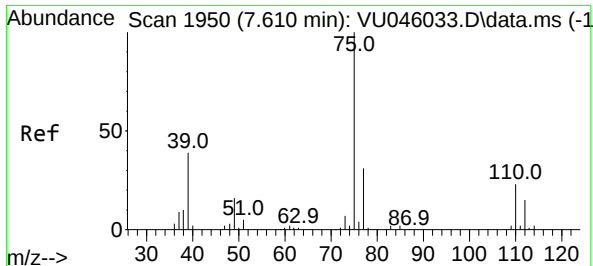
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 45.583 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

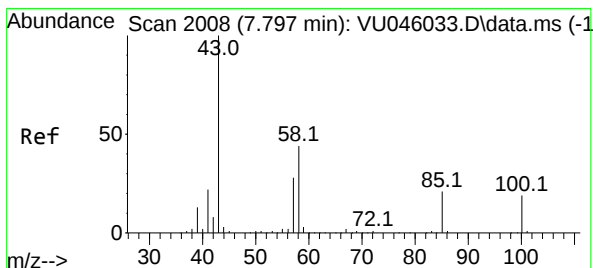
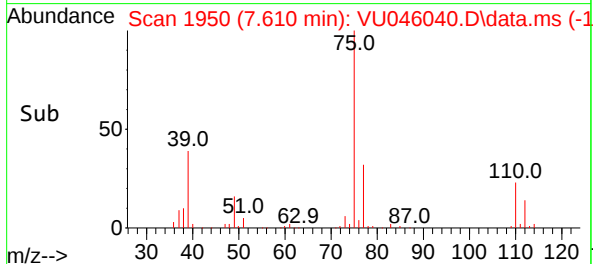
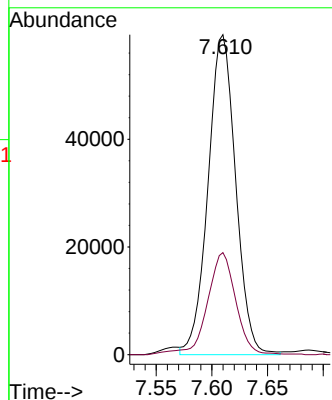
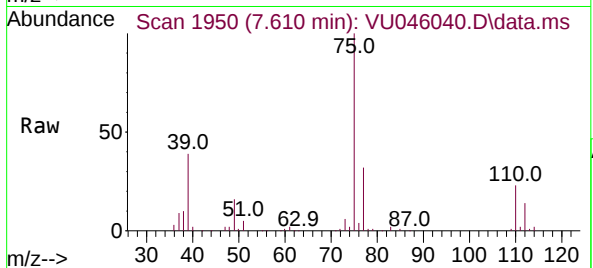
ClientSampleId :

Tgt Ion: 75 Resp: 102574

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 87.587 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

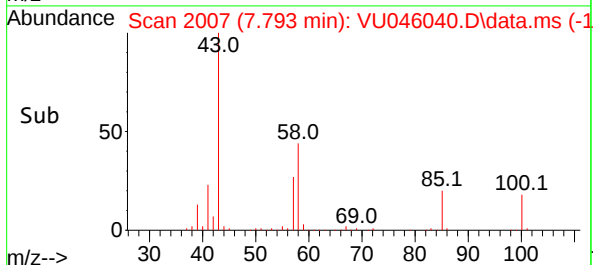
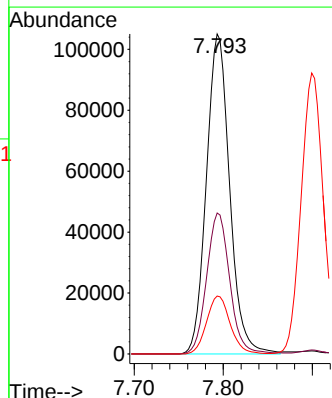
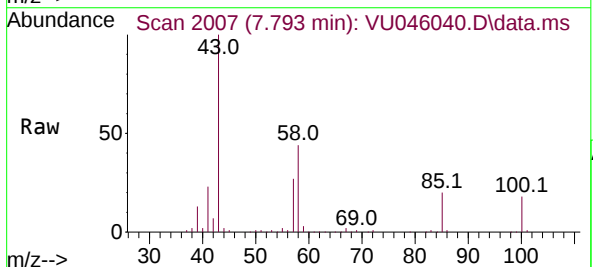
Tgt Ion: 43 Resp: 190353

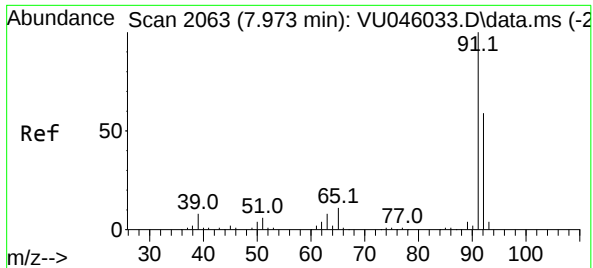
Ion Ratio Lower Upper

43 100

58 43.7 34.2 51.4

100 18.4 14.5 21.7





#42

Toluene

Concen: 44.569 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

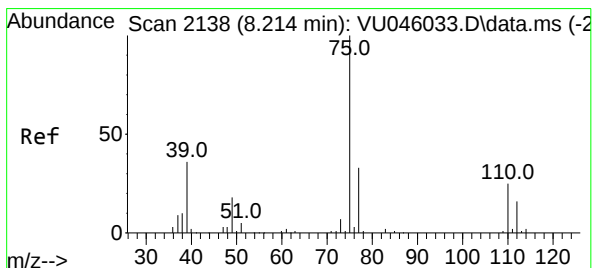
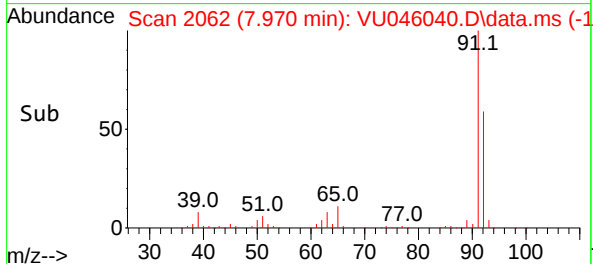
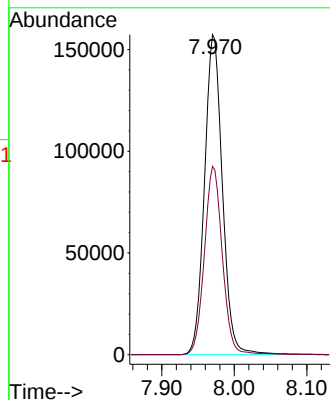
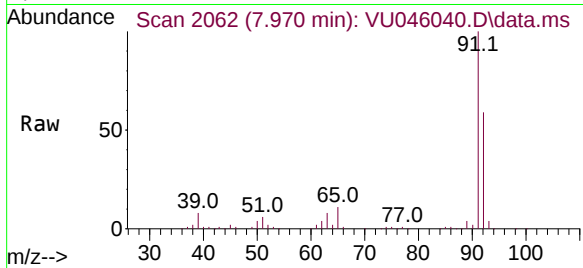
ClientSampleId :

Tgt Ion: 91 Resp: 270048

Ion Ratio Lower Upper

91 100

92 58.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 44.998 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046040.D

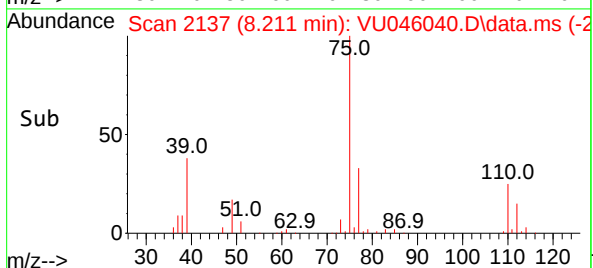
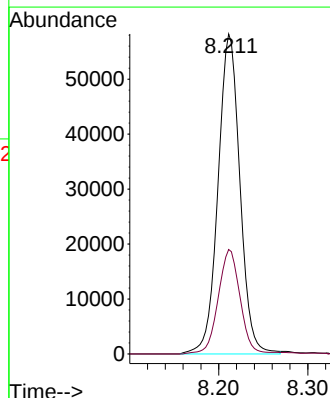
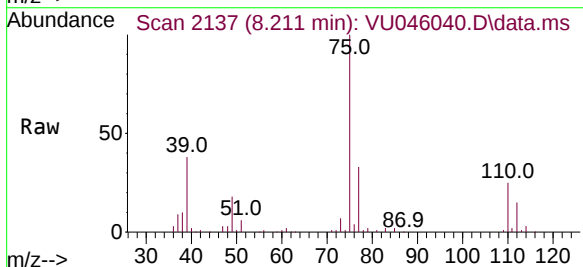
Acq: 01 Dec 2021 17:34

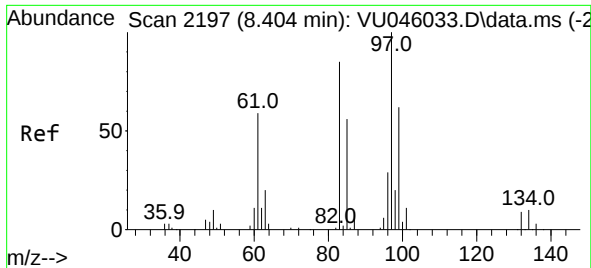
Tgt Ion: 75 Resp: 99452

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3



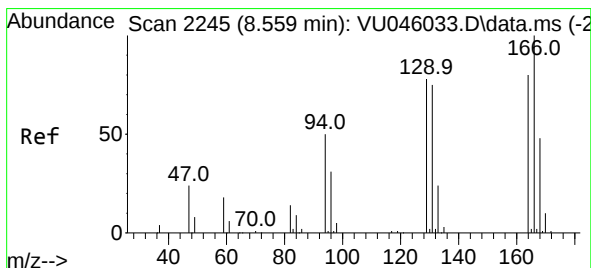
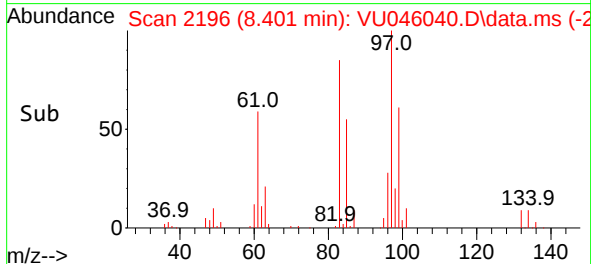
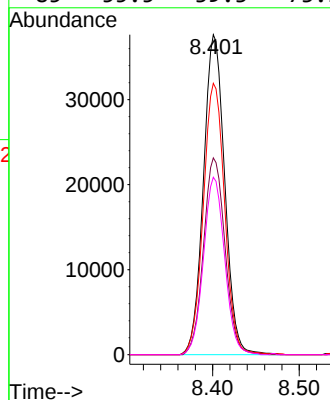
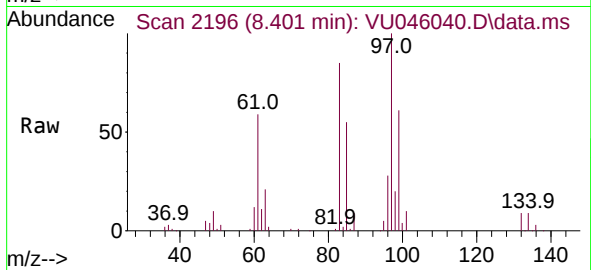


#45
1,1,2-Trichloroethane
Concen: 43.339 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 64316

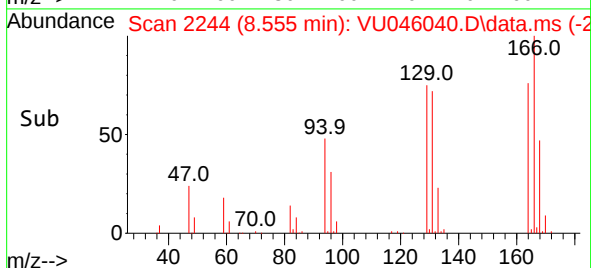
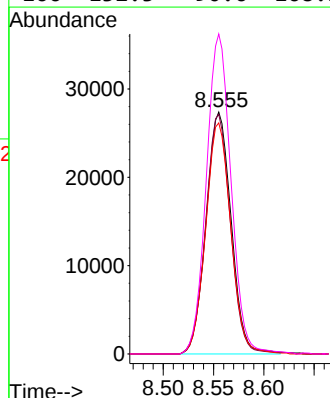
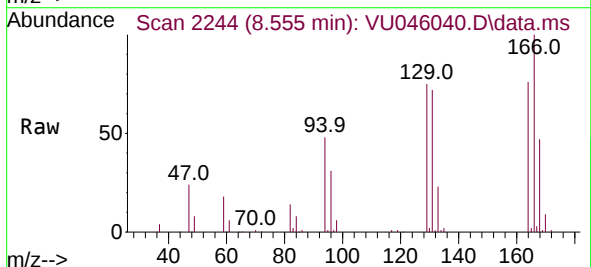
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	82.9
83	84.8	60.2	111.8
85	55.5	39.3	73.1

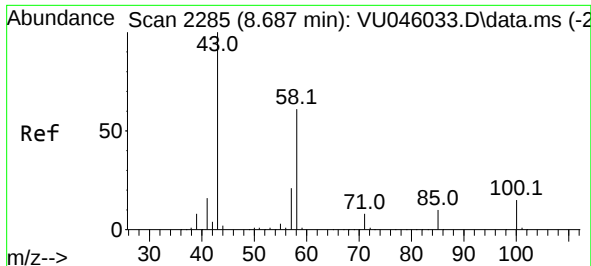


#46
Tetrachloroethene
Concen: 43.522 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion: 164 Resp: 47578

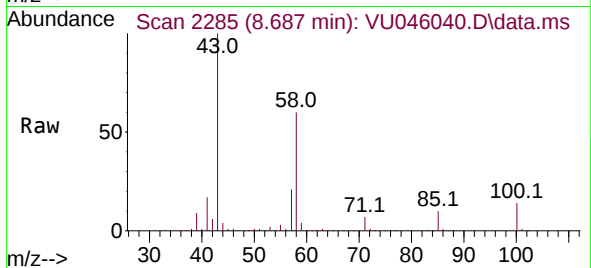
Ion	Ratio	Lower	Upper
164	100		
129	99.0	71.1	132.1
131	95.5	67.8	126.0
166	132.3	90.6	168.2



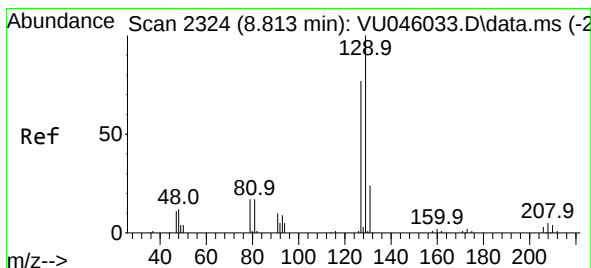
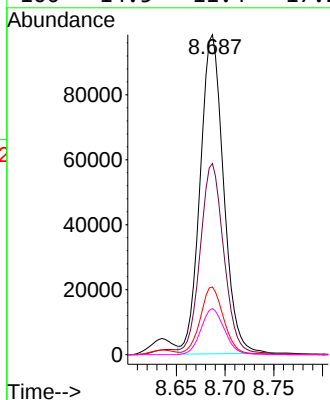
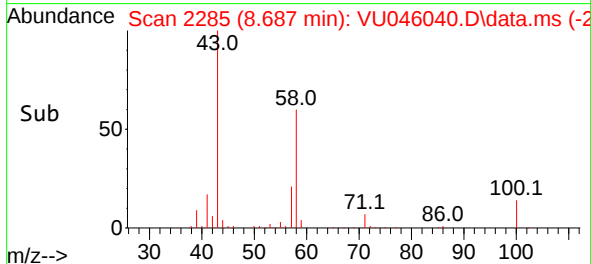


#48
2-Hexanone
Concen: 84.451 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

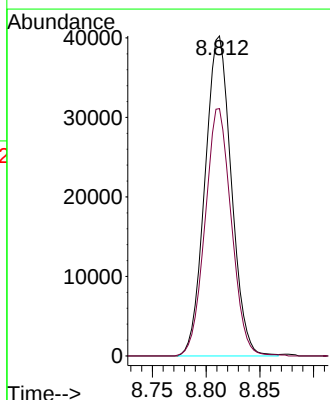
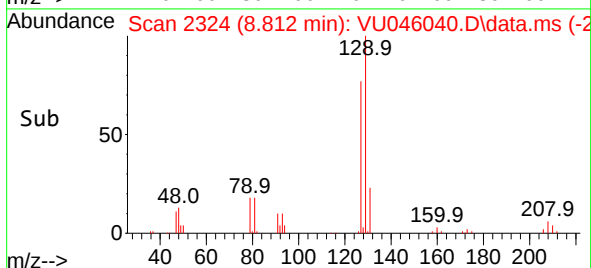
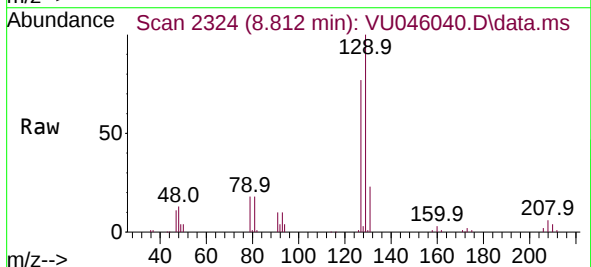


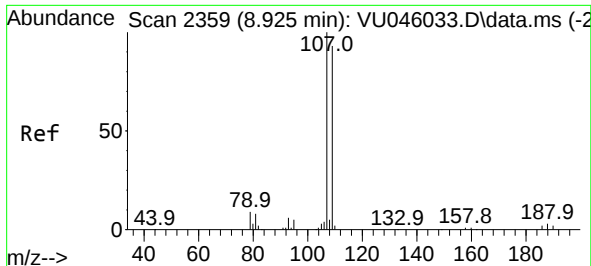
Tgt Ion:	43	Resp:	164142
Ion	Ratio	Lower	Upper
43	100		
58	60.5	47.4	71.2
57	21.3	16.6	25.0
100	14.5	11.4	17.2



#49
Dibromochloromethane
Concen: 44.120 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

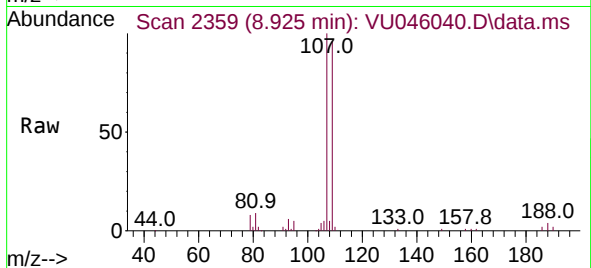
Tgt Ion:	129	Resp:	68756
Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.6	103.4



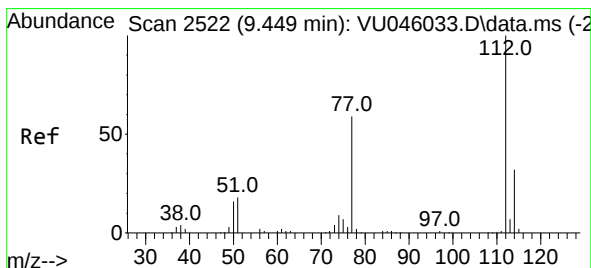
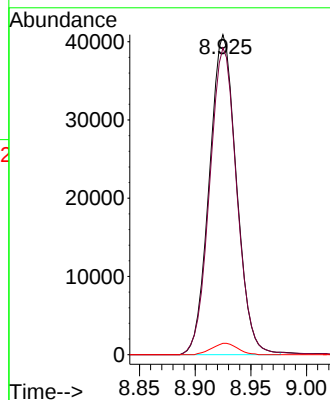
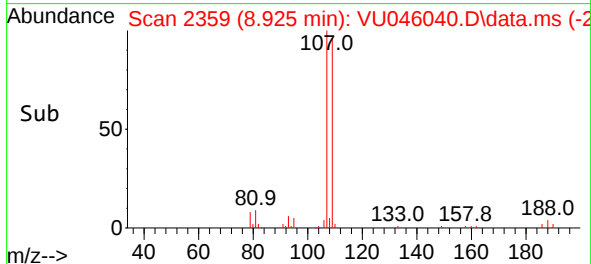


#50
1,2-Dibromoethane
Concen: 43.095 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

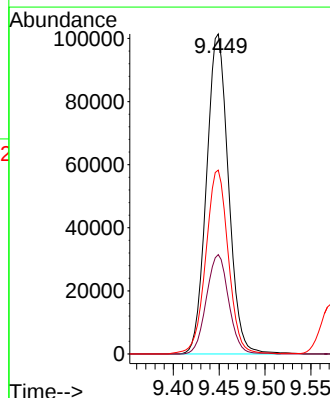
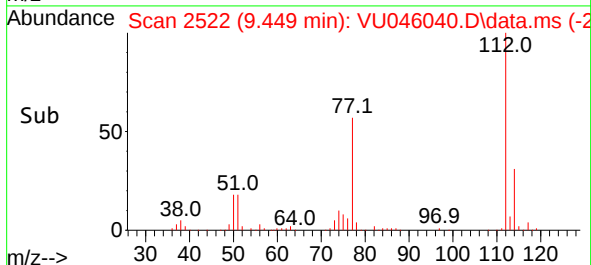
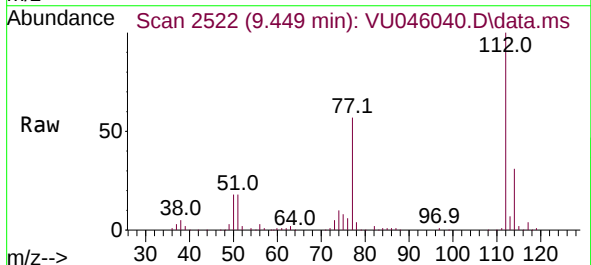


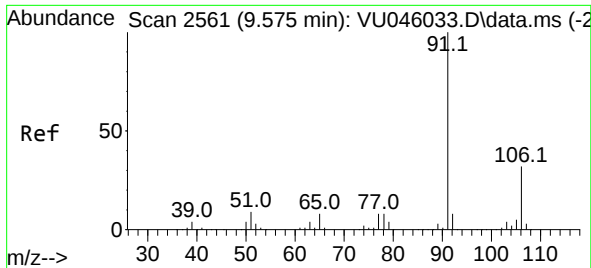
Tgt Ion:107 Resp: 69336
Ion Ratio Lower Upper
107 100
109 95.9 64.9 120.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 43.114 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion:112 Resp: 169005
Ion Ratio Lower Upper
112 100
114 31.1 22.2 41.2
77 57.5 47.4 71.0

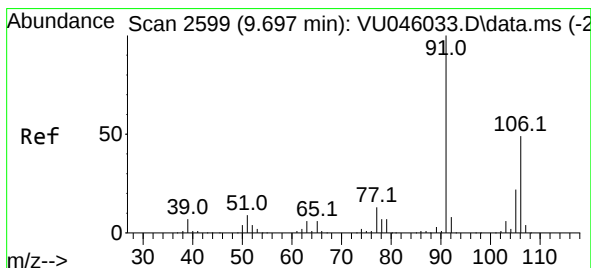
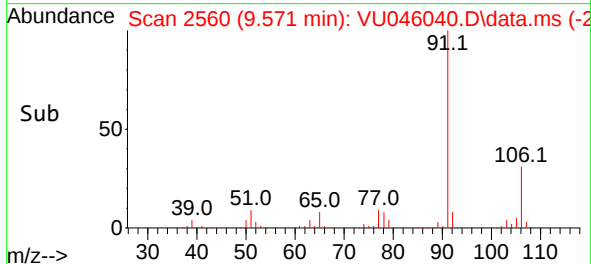
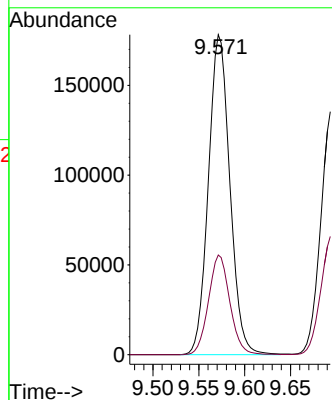
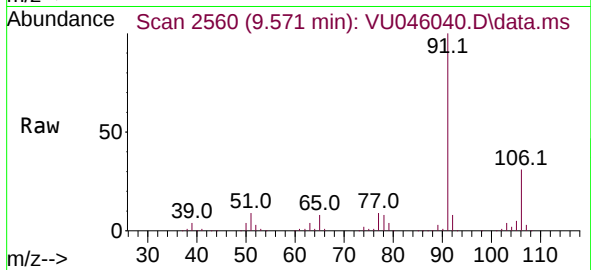




#52
Ethylbenzene
Concen: 44.471 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

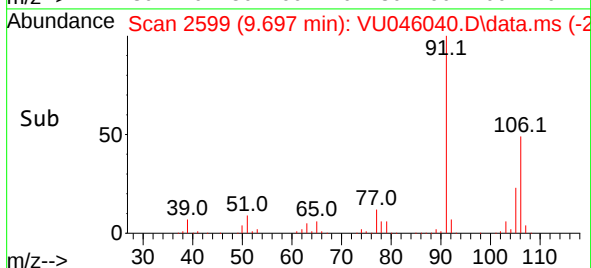
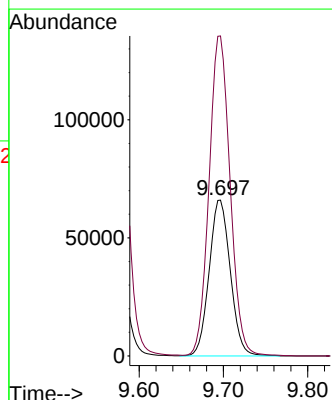
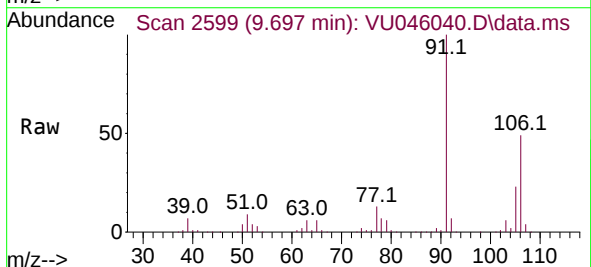
Instrument :
MSVOA_U
ClientSampleId :

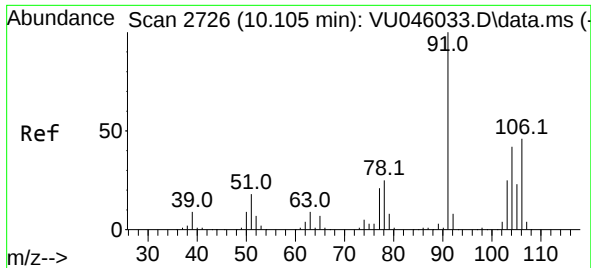
Tgt Ion: 91 Resp: 289988
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.3



#53
m,p-Xylene
Concen: 45.316 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion: 106 Resp: 115241
Ion Ratio Lower Upper
106 100
91 205.3 144.3 268.1

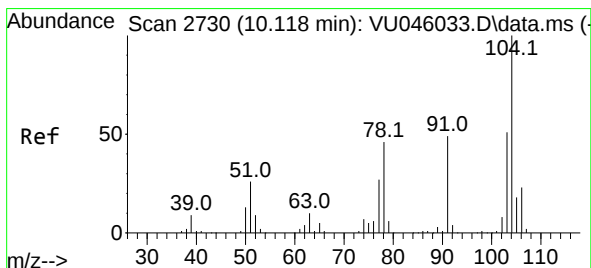
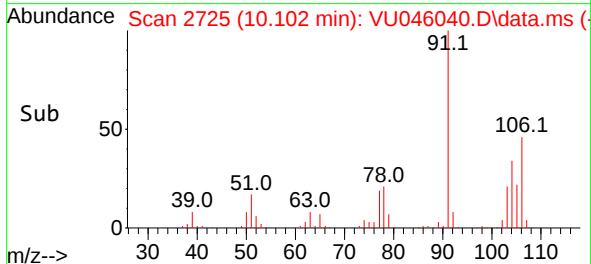
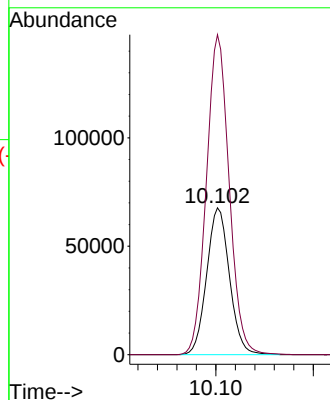
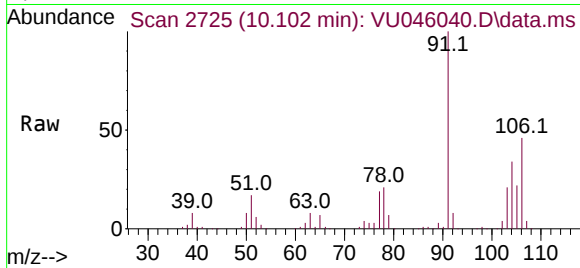




#54
o-xylene
Concen: 44.611 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

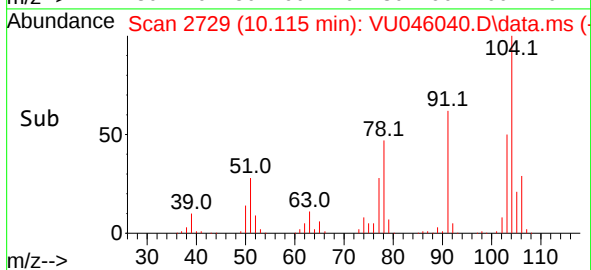
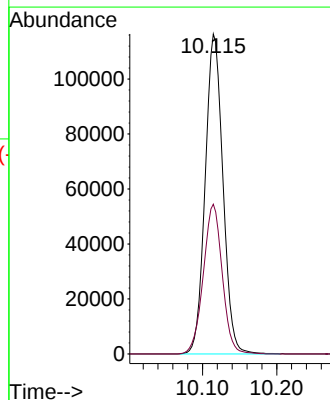
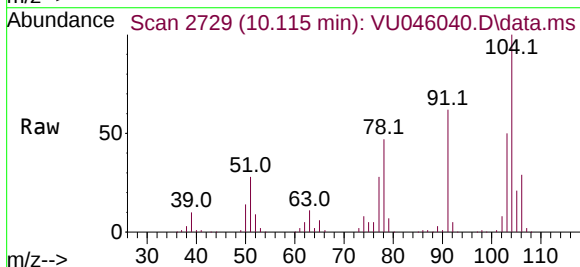
Instrument :
MSVOA_U
ClientSampleId :

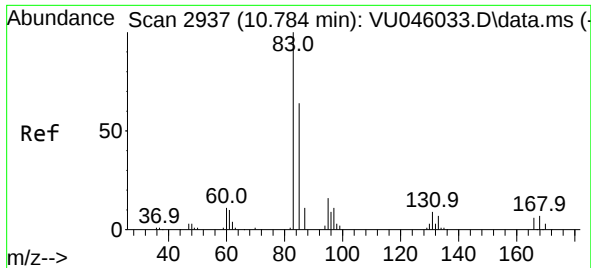
Tgt Ion:106 Resp: 110082
Ion Ratio Lower Upper
106 100
91 217.9 154.2 286.4



#55
Styrene
Concen: 45.783 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion:104 Resp: 192877
Ion Ratio Lower Upper
104 100
78 46.8 32.6 60.5

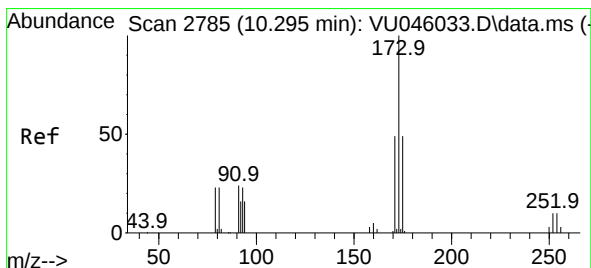
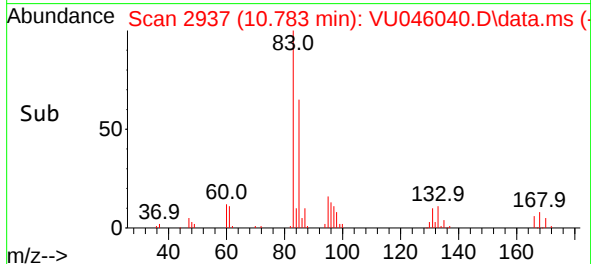
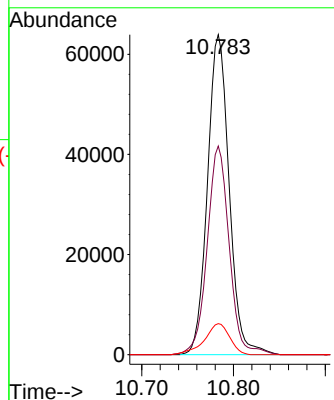
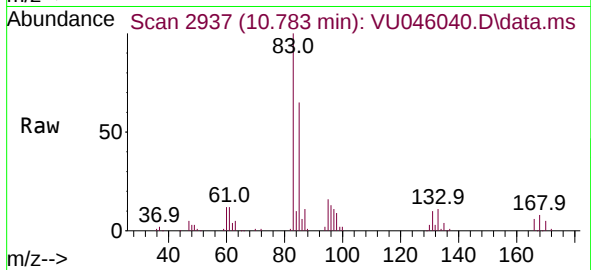




#57
1,1,2,2-Tetrachloroethane
Concen: 41.215 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

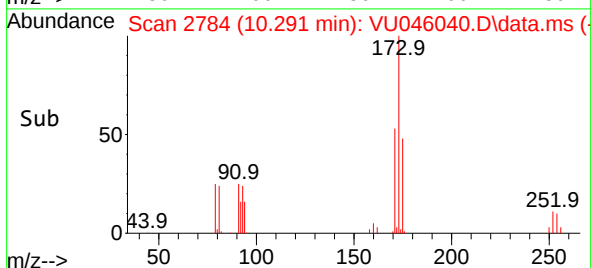
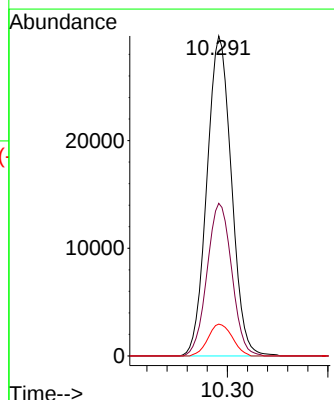
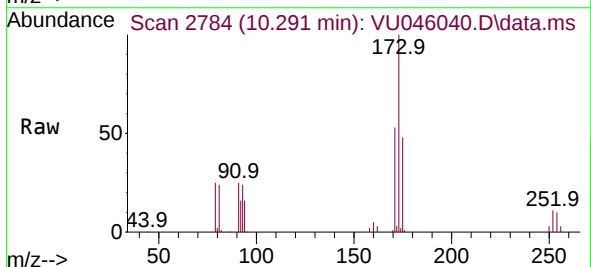
Instrument :
MSVOA_U
ClientSampleId :

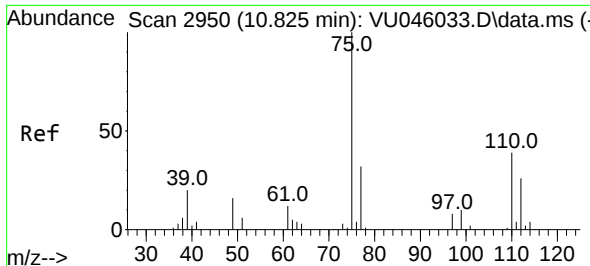
Tgt Ion: 83 Resp: 104862
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6
131 9.7 7.8 11.6



#59
Bromoform
Concen: 42.940 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

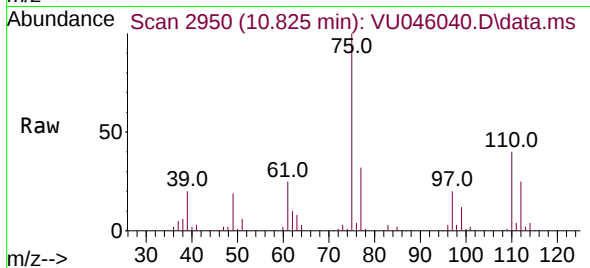
Tgt Ion:173 Resp: 50269
Ion Ratio Lower Upper
173 100
175 48.0 39.2 58.8
254 9.9 7.4 11.2





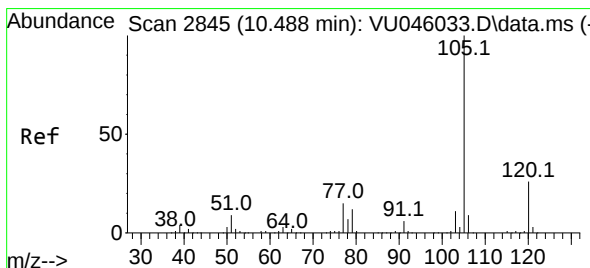
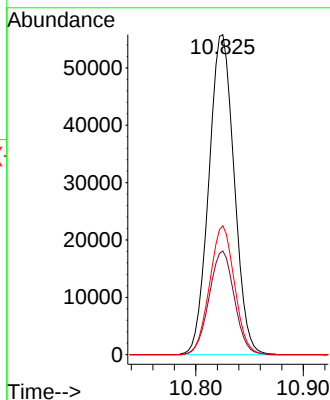
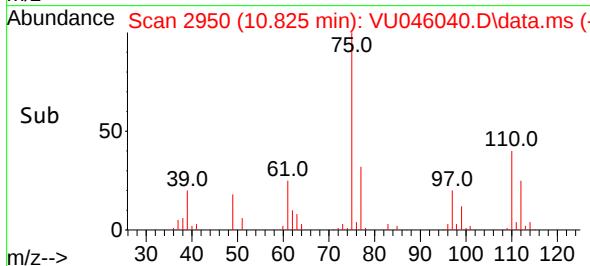
#60
1,2,3-Trichloropropane
Concen: 41.732 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

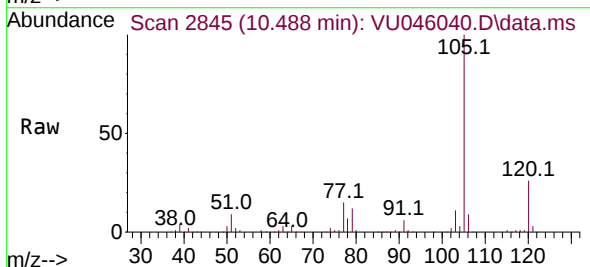


Tgt Ion: 75 Resp: 91289

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6
110	39.6	32.4	48.6

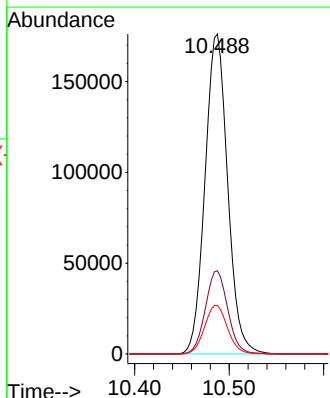
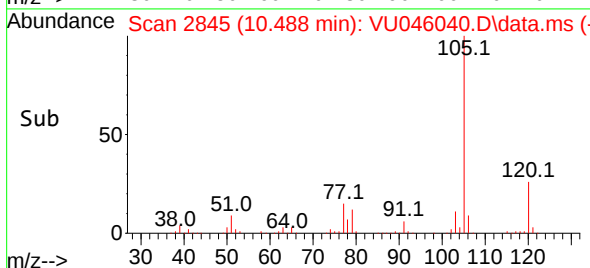


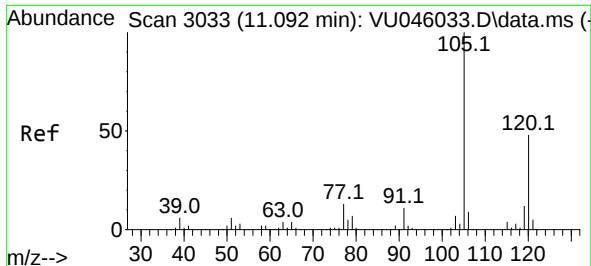
#61
Isopropylbenzene
Concen: 45.111 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34



Tgt Ion: 105 Resp: 292902

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.7	31.1
77	15.4	12.2	18.4





#62

1,3,5-Trimethylbenzene

Concen: 45.771 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

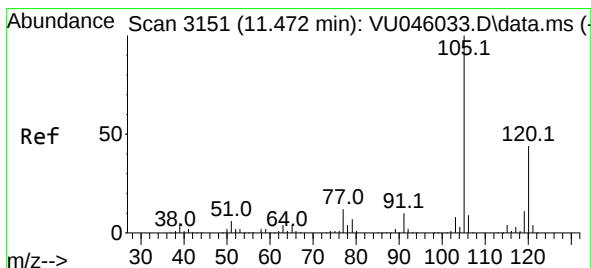
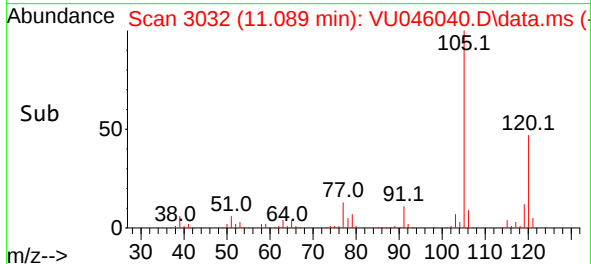
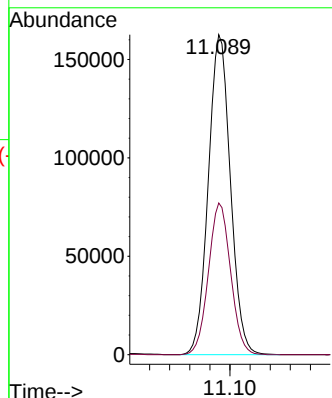
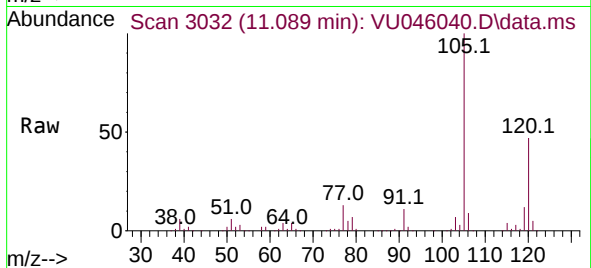
ClientSampleId :

Tgt Ion:105 Resp: 247710

Ion Ratio Lower Upper

105 100

120 47.6 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 46.204 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046040.D

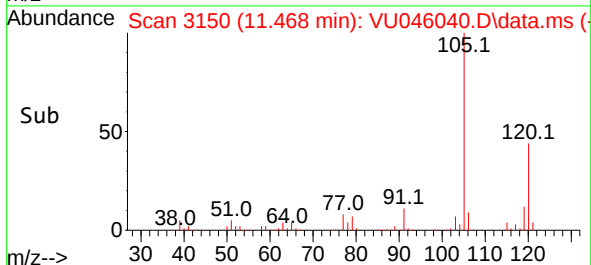
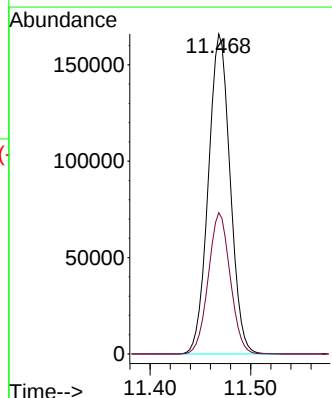
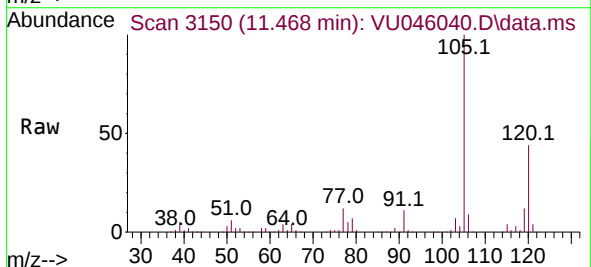
Acq: 01 Dec 2021 17:34

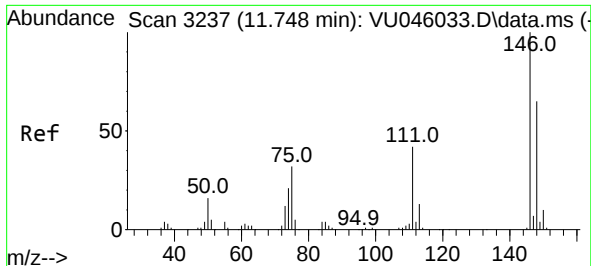
Tgt Ion:105 Resp: 250172

Ion Ratio Lower Upper

105 100

120 44.2 35.2 52.8

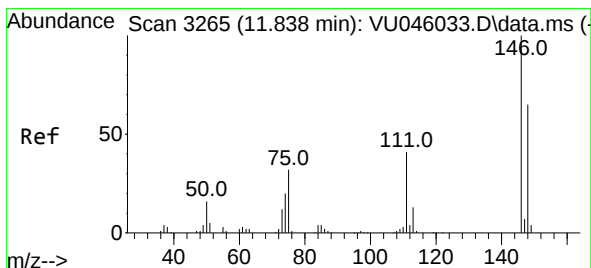
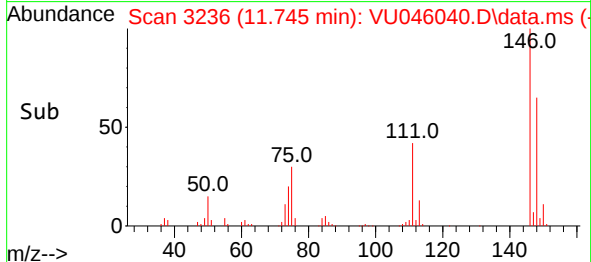
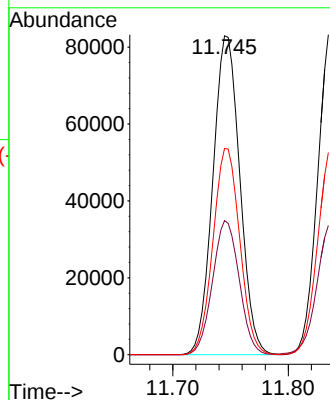
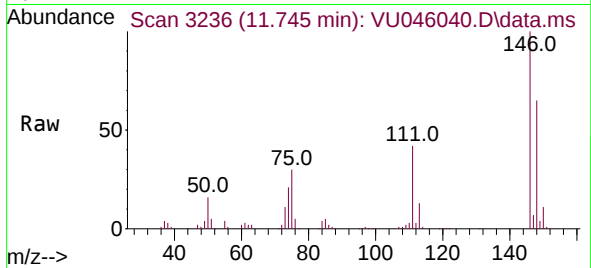




#64
1,3-Dichlorobenzene
Concen: 43.615 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

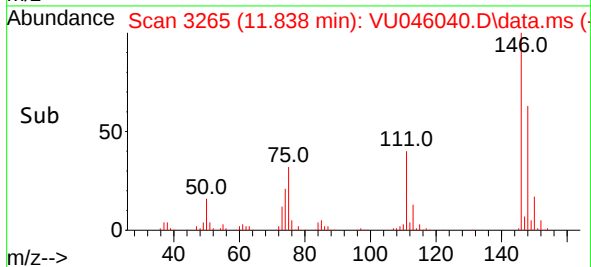
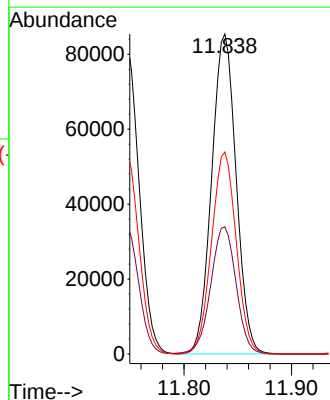
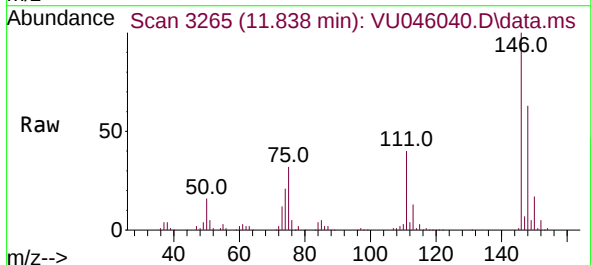
Instrument :
MSVOA_U
ClientSampleId :

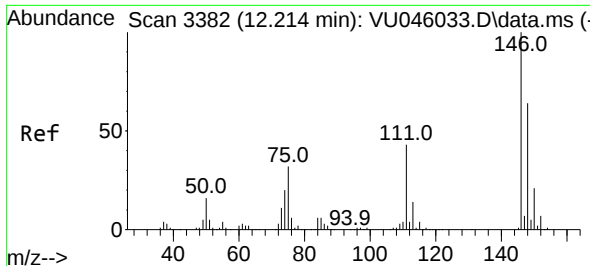
Tgt Ion:146 Resp: 134518
Ion Ratio Lower Upper
146 100
111 42.0 29.5 54.9
148 64.7 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 42.466 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion:146 Resp: 135360
Ion Ratio Lower Upper
146 100
111 39.7 28.3 52.7
148 63.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 42.991 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

Instrument :

MSVOA_U

ClientSampleId :

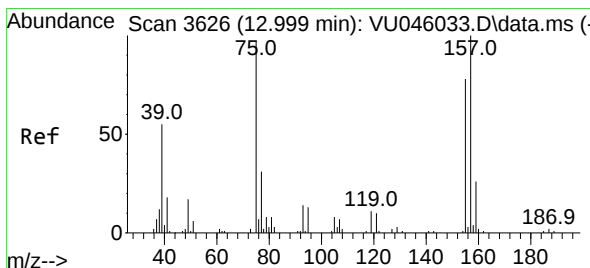
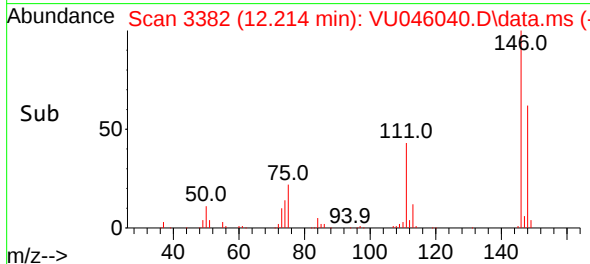
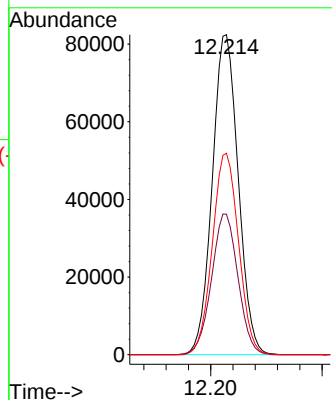
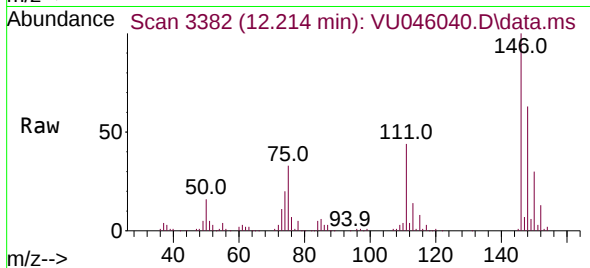
Tgt Ion:146 Resp: 133524

Ion Ratio Lower Upper

146 100

111 43.9 35.7 53.5

148 63.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.273 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046040.D

Acq: 01 Dec 2021 17:34

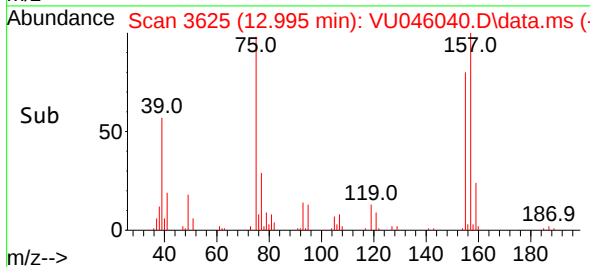
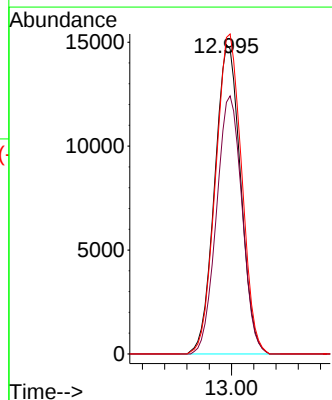
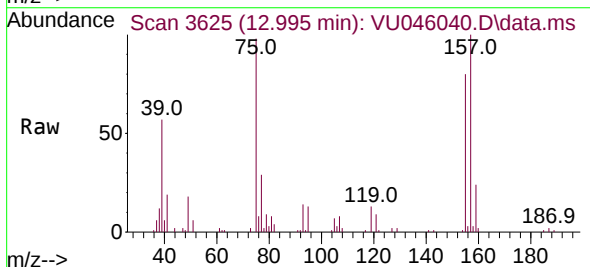
Tgt Ion: 75 Resp: 24052

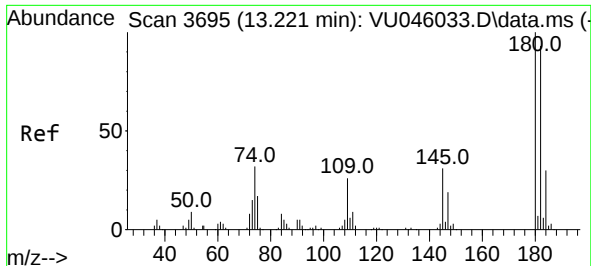
Ion Ratio Lower Upper

75 100

155 81.4 64.9 97.3

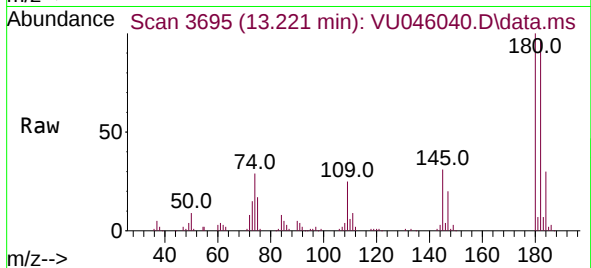
157 102.4 81.9 122.9



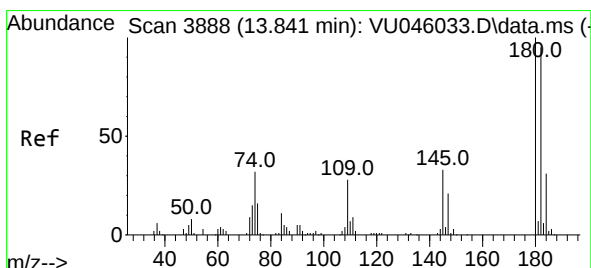
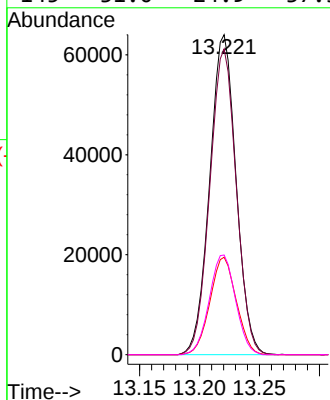
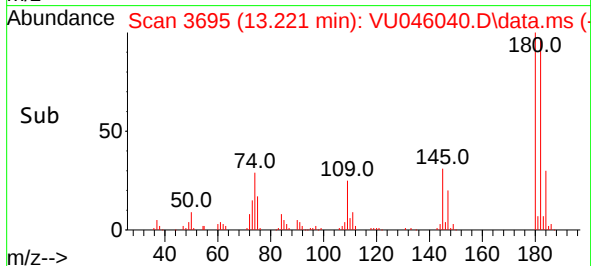


#69
 1,3,5-Trichlorobenzene
 Concen: 43.491 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34

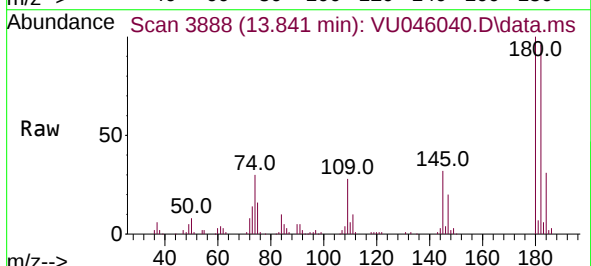
Instrument :
 MSVOA_U
 ClientSampleId :



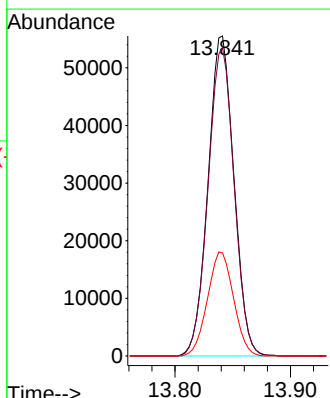
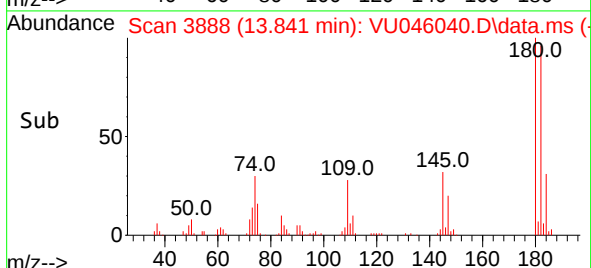
Tgt Ion:180	Resp:	97735
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.9 113.9
184	30.5	24.2 36.4
145	31.0	24.9 37.3

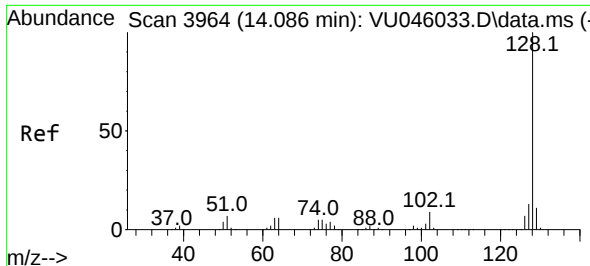


#70
 1,2,4-trichlorobenzene
 Concen: 43.388 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046040.D
 Acq: 01 Dec 2021 17:34



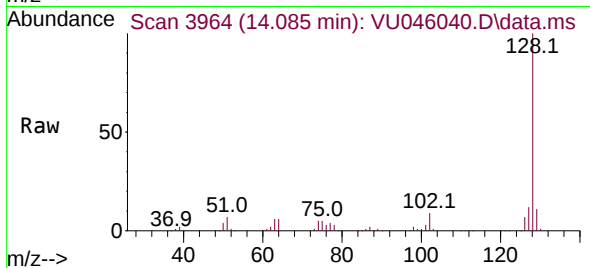
Tgt Ion:180	Resp:	86525
Ion Ratio	Lower	Upper
180	100	
182	96.9	76.7 115.1
145	32.6	26.0 39.0



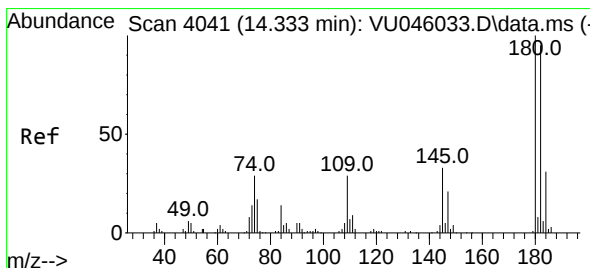
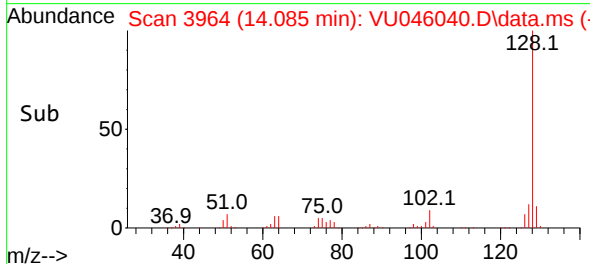
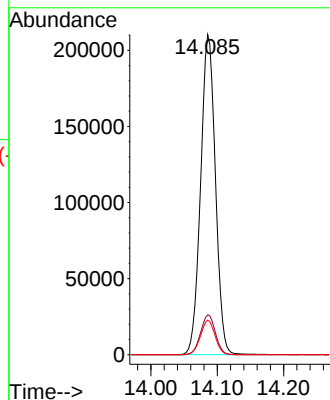


#71
Naphthalene
Concen: 46.937 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 325717
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.949 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046040.D
Acq: 01 Dec 2021 17:34

Tgt Ion:180 Resp: 91408
Ion Ratio Lower Upper
180 100
182 94.6 76.0 114.0
145 34.4 27.3 40.9

