

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046063.D
 Acq On : 02 Dec 2021 19:19
 Operator : SY/MD
 Sample : M4870-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKP6

Quant Time: Dec 03 05:14:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	244903	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	243518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	128111	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68053	33.733	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.460%
7) Chloroethane-d5	1.916	69	56520	36.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.980%
11) 1,1-Dichloroethene-d2	2.568	63	101138	27.927	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.860%#
21) 2-Butanone-d5	4.646	46	152078	94.828	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.830%
24) Chloroform-d	5.067	84	135582	40.245	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.480%
26) 1,2-Dichloroethane-d4	5.707	65	95349	42.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.340%
32) Benzene-d6	5.729	84	296326	42.456	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.920%
36) 1,2-Dichloropropane-d6	6.694	67	95521	44.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.320%
41) Toluene-d8	7.899	98	270180	42.515	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.020%
43) trans-1,3-Dichloroprop...	8.179	79	46022	44.074	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.140%
47) 2-Hexanone-d5	8.636	63	108632	105.919	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	140763	42.910	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.820%
66) 1,2-Dichlorobenzene-d4	12.195	152	102249	41.444	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.880%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	6997	2.912	ug/L	84
13) Acetone	2.671	43	83602	41.711	ug/L	95
16) Methylene chloride	3.051	84	10946	5.433	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	3926	2.191	ug/L	99
19) 1,1-Dichloroethane	3.871	63	4407	1.353	ug/L	89
20) cis-1,2-Dichloroethene	4.671	96	711447	365.885	ug/L	100
22) 2-Butanone	4.729	43	41585	19.059	ug/L	85
33) Benzene	5.777	78	413812	56.145	ug/L	100
34) Trichloroethene	6.543	95	195288	100.578	ug/L	99
35) Methylcyclohexane	6.768	83	3910	1.299	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	43709	15.408	ug/L	98
42) Toluene	7.970	91	1628628	205.932	ug/L	99
46) Tetrachloroethene	8.555	164	43236	30.301	ug/L	97
51) Chlorobenzene	9.449	112	64457	12.598	ug/L	100
52) Ethylbenzene	9.571	91	1187033	139.465	ug/L	99
53) m,p-Xylene	9.694	106	1523882	459.097	ug/L	98
54) o-xylene	10.102	106	563388	174.921	ug/L	97
55) Styrene	10.115	104	264147	48.037	ug/L	88
61) Isopropylbenzene	10.485	105	474584	56.936	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046063.D
 Acq On : 02 Dec 2021 19:19
 Operator : SY/MD
 Sample : M4870-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKP6

Quant Time: Dec 03 05:14:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

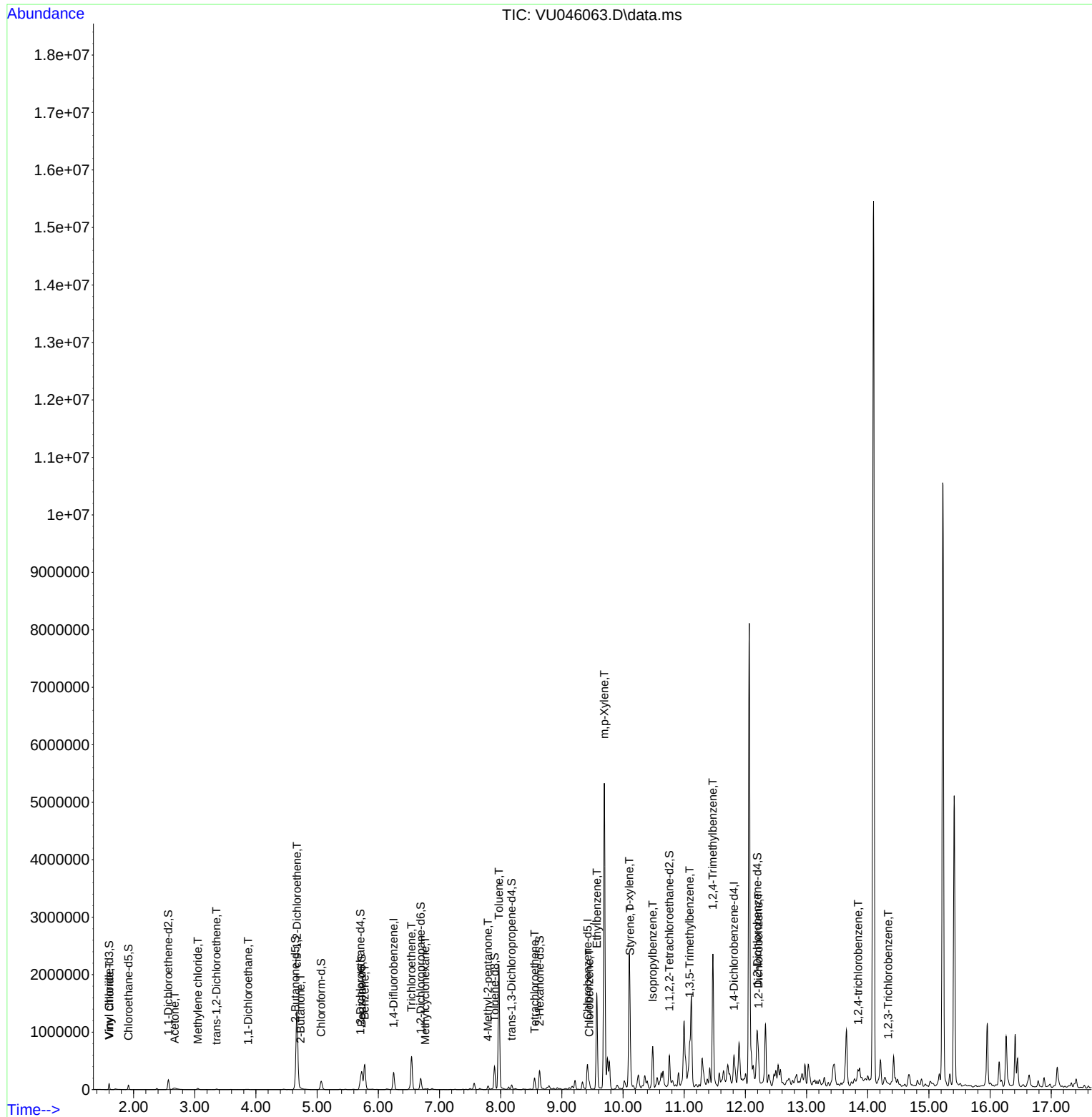
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.089	105	350410	50.436	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	1212012	174.363	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	128456	32.217	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	26004	10.157	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.333	180	7500	2.873	ug/L #	65

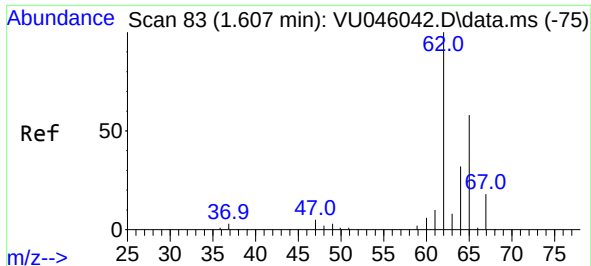
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046063.D
Acq On : 02 Dec 2021 19:19
Operator : SY/MD
Sample : M4870-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKP6

Quant Time: Dec 03 05:14:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

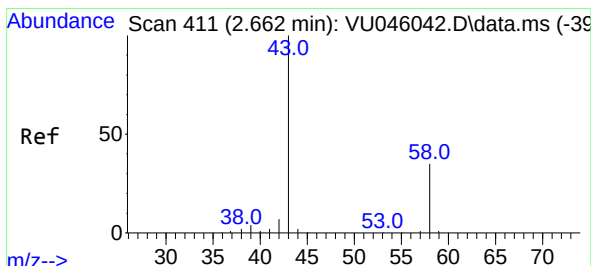
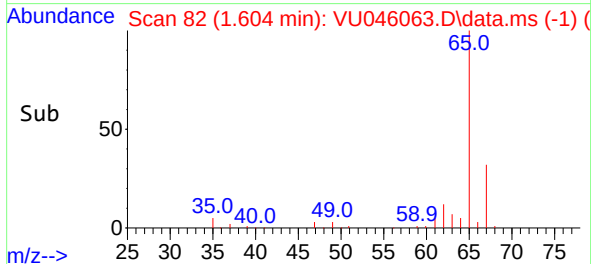
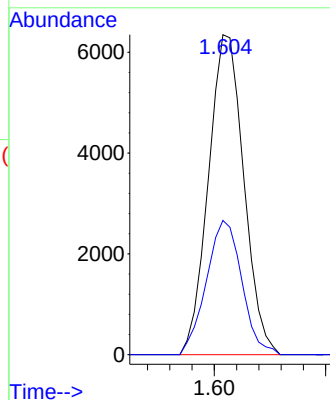
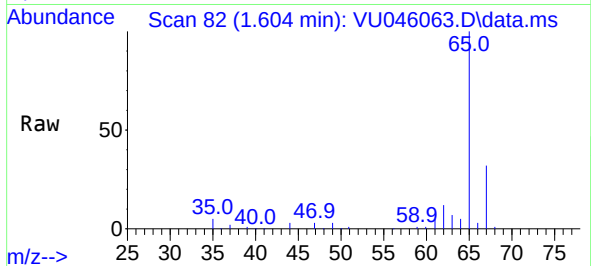




#5
 Vinyl chloride
 Concen: 2.912 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046063.D
 Acq: 02 Dec 2021 19:19

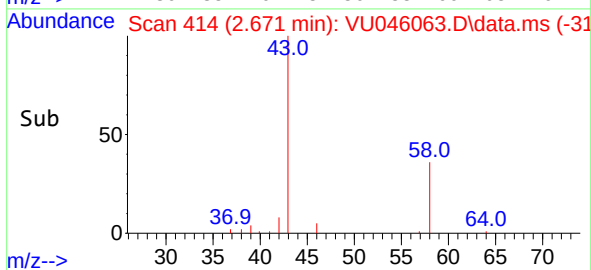
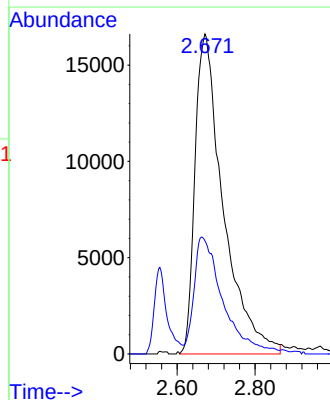
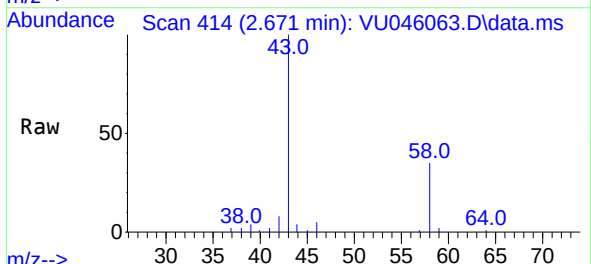
Instrument :
 MSVOA_U
 ClientSampleId :
 BGKP6

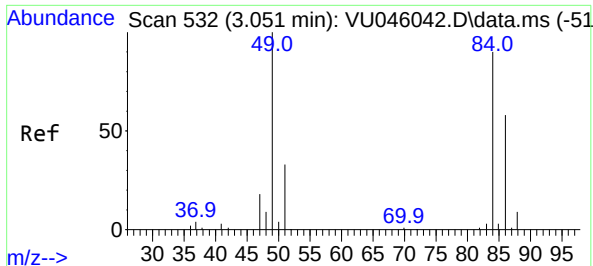
Tgt Ion: 62 Resp: 6997
 Ion Ratio Lower Upper
 62 100
 64 42.0 22.9 42.5



#13
 Acetone
 Concen: 41.711 ug/L
 RT: 2.671 min Scan# 414
 Delta R.T. 0.010 min
 Lab File: VU046063.D
 Acq: 02 Dec 2021 19:19

Tgt Ion: 43 Resp: 83602
 Ion Ratio Lower Upper
 43 100
 58 30.5 0.0 66.8

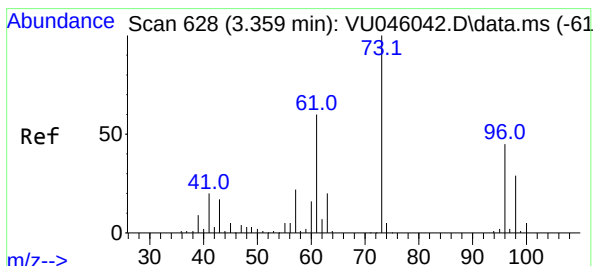
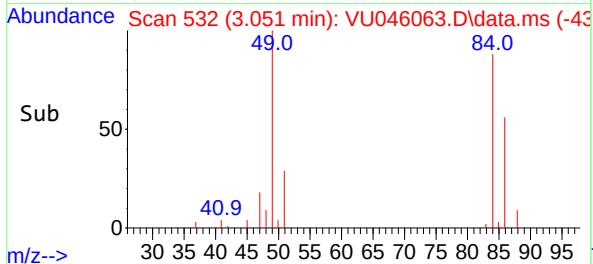
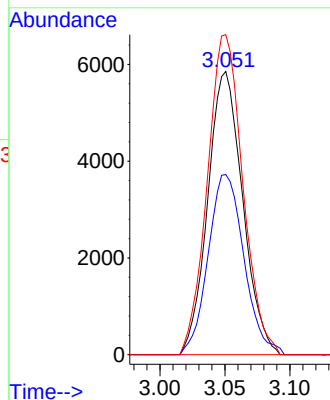
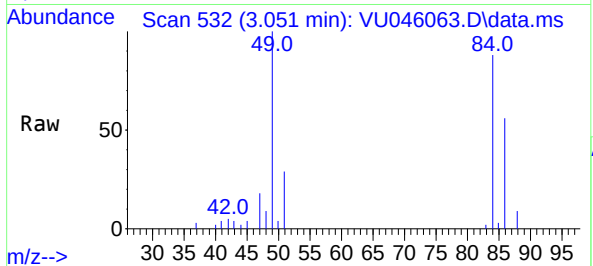




#16
Methylene chloride
Concen: 5.433 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

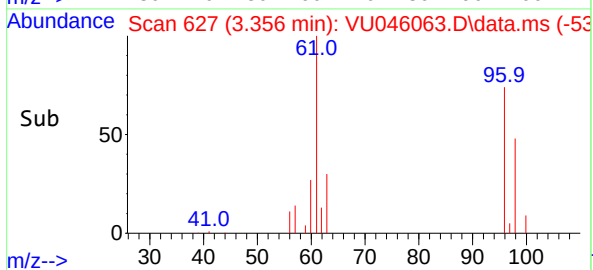
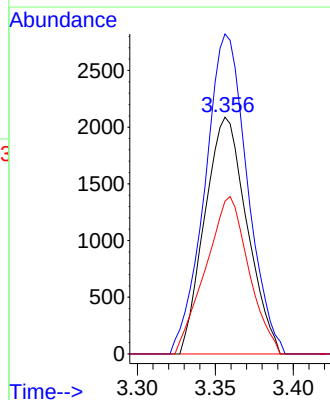
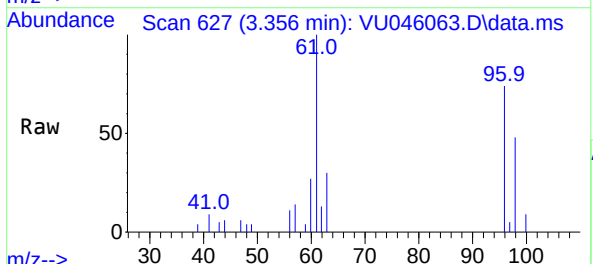
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

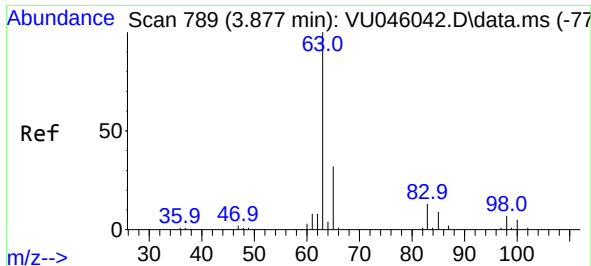
Tgt Ion: 84 Resp: 10946
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 113.0 78.4 145.6



#17
trans-1,2-Dichloroethene
Concen: 2.191 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion: 96 Resp: 3926
Ion Ratio Lower Upper
96 100
61 135.2 94.6 175.6
98 64.5 44.0 81.8



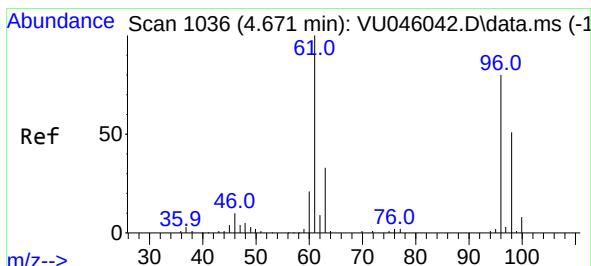
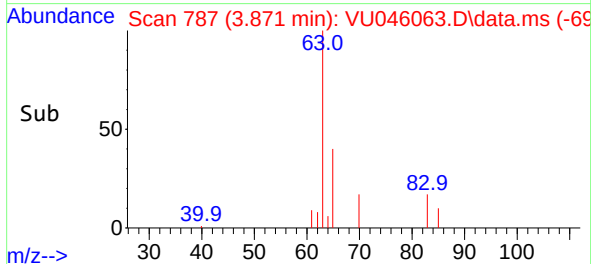
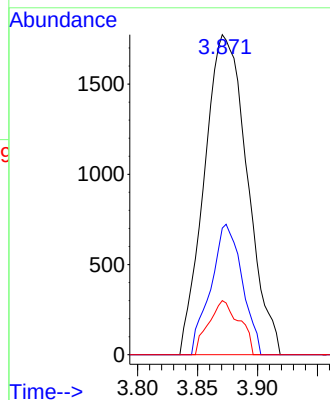
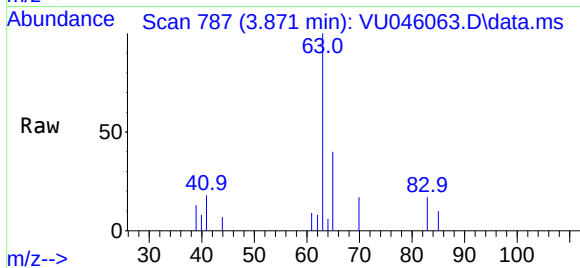


#19
1,1-Dichloroethane
Concen: 1.353 ug/L
RT: 3.871 min Scan# 789
Delta R.T. -0.006 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Instrument :
MSVOA_U
ClientSampleId :
BGKP6

Tgt Ion: 63 Resp: 4407

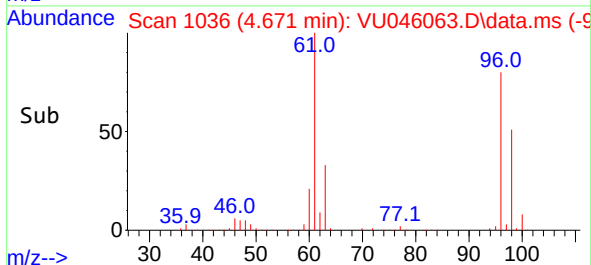
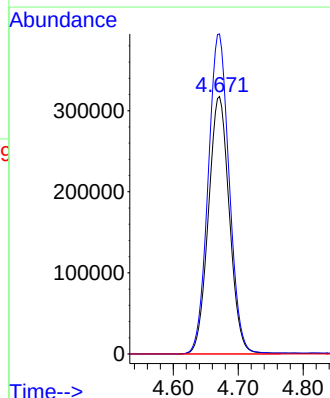
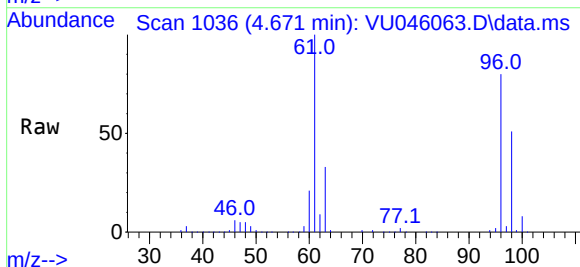
Ion	Ratio	Lower	Upper
63	100		
65	39.6	22.8	42.4
83	16.9	9.6	17.8

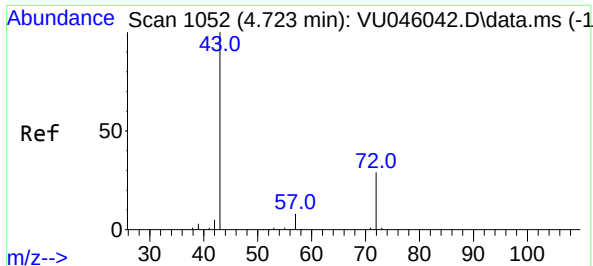


#20
cis-1,2-Dichloroethene
Concen: 365.885 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion: 96 Resp: 711447

Ion	Ratio	Lower	Upper
96	100		
61	124.3	86.8	161.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 19.059 ug/L

RT: 4.729 min Scan# 1052

Delta R.T. 0.006 min

Lab File: VU046063.D

Acq: 02 Dec 2021 19:19

Instrument :

MSVOA_U

ClientSampleId :

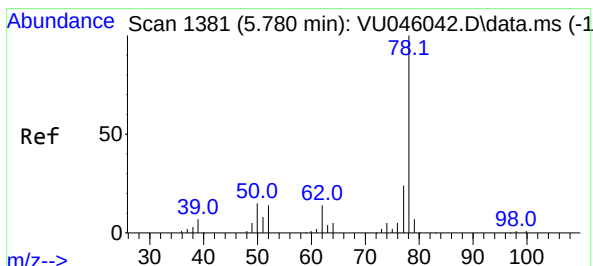
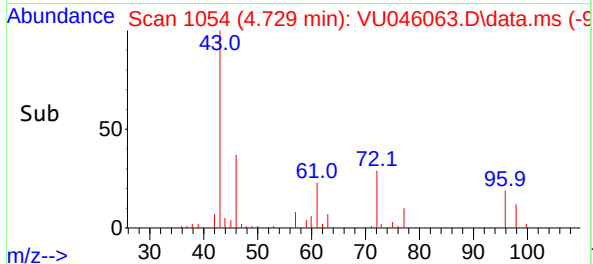
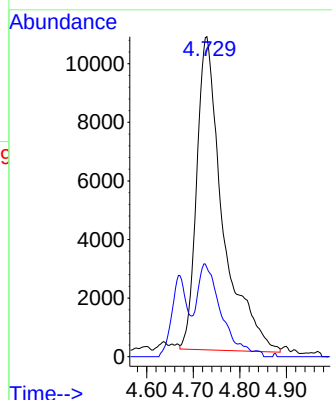
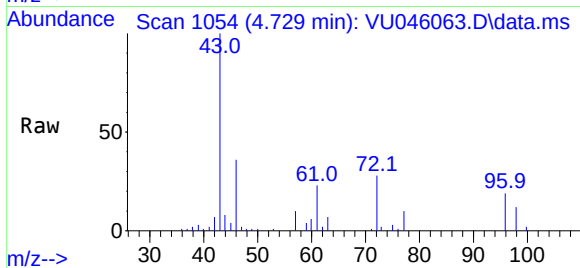
BGKP6

Tgt Ion: 43 Resp: 41585

Ion Ratio Lower Upper

43 100

72 21.0 14.5 43.6



#33

Benzene

Concen: 56.145 ug/L

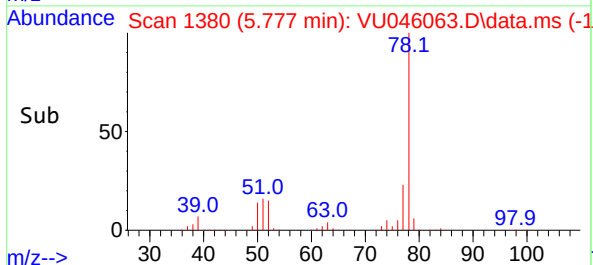
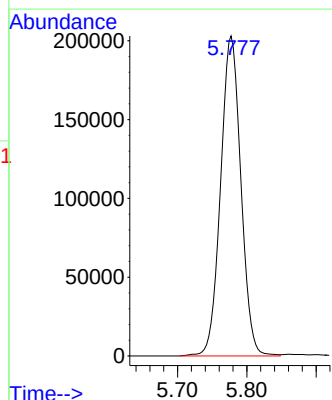
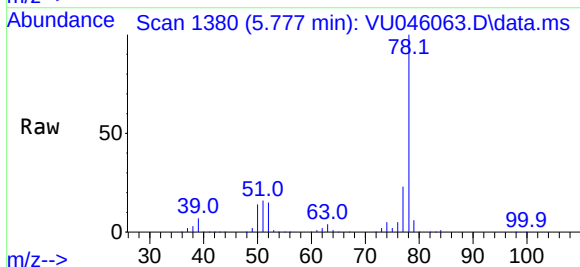
RT: 5.777 min Scan# 1380

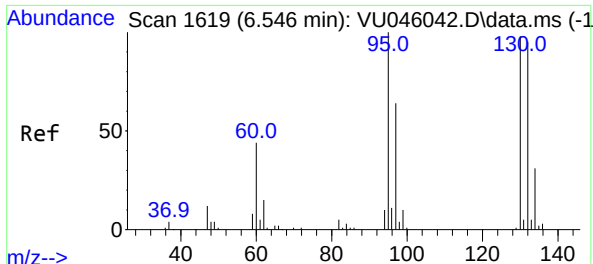
Delta R.T. -0.003 min

Lab File: VU046063.D

Acq: 02 Dec 2021 19:19

Tgt Ion: 78 Resp: 413812

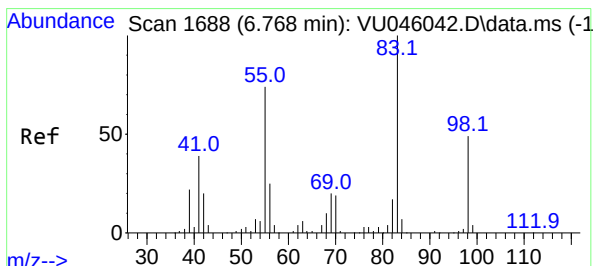
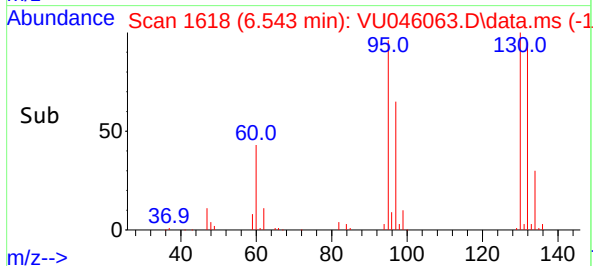
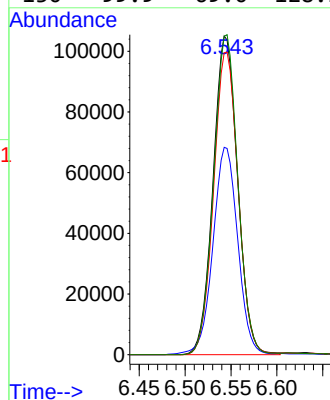
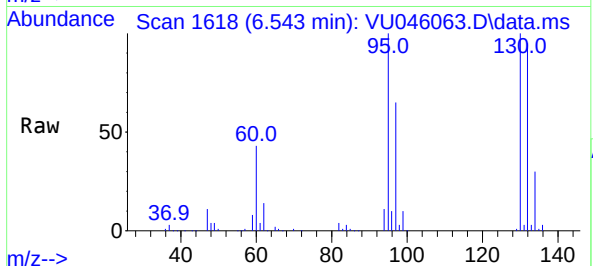




#34
Trichloroethene
Concen: 100.578 ug/L
RT: 6.543 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

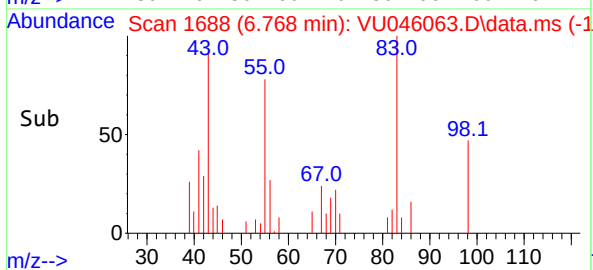
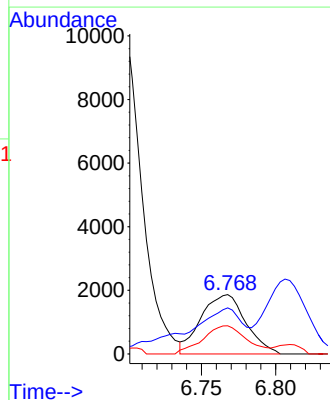
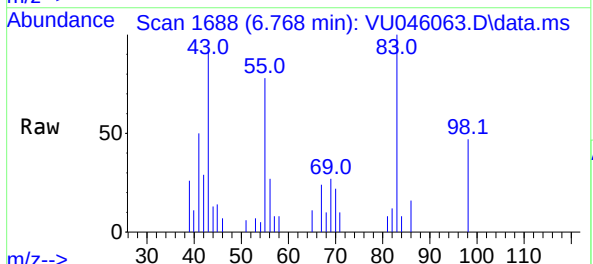
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

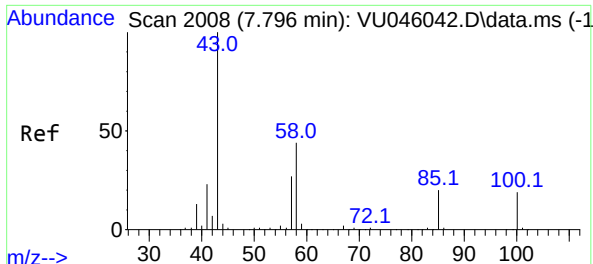
Tgt Ion: 95 Resp: 195288
Ion Ratio Lower Upper
95 100
97 65.0 44.1 81.9
132 94.8 66.8 124.0
130 99.9 69.0 128.1



#35
Methylcyclohexane
Concen: 1.299 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion: 83 Resp: 3910
Ion Ratio Lower Upper
83 100
55 68.5 57.8 86.6
98 46.6 38.4 57.6





#40

4-Methyl-2-pentanone

Concen: 15.408 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046063.D

Acq: 02 Dec 2021 19:19

Instrument :

MSVOA_U

ClientSampleId :

BGKP6

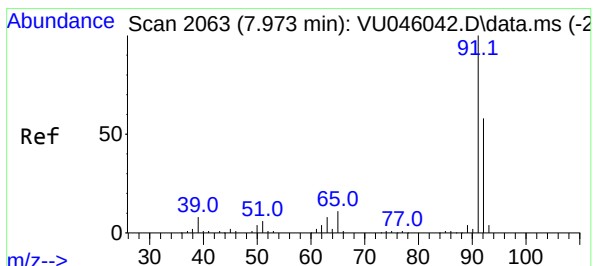
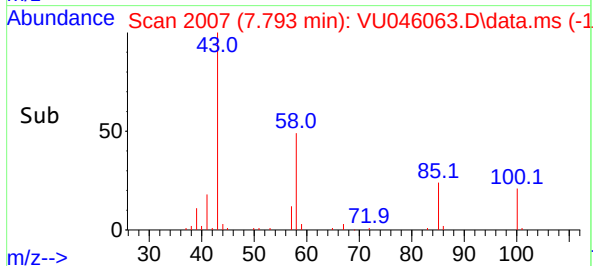
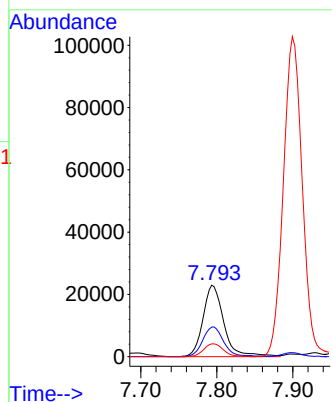
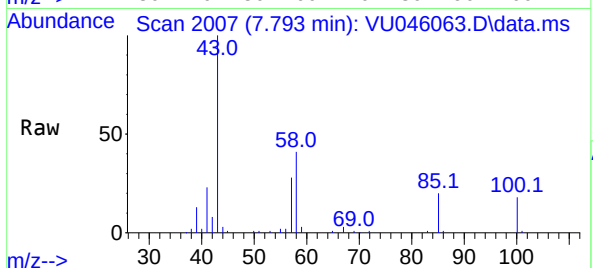
Tgt Ion: 43 Resp: 43709

Ion Ratio Lower Upper

43 100

58 41.2 34.2 51.4

100 17.2 14.5 21.7



#42

Toluene

Concen: 205.932 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046063.D

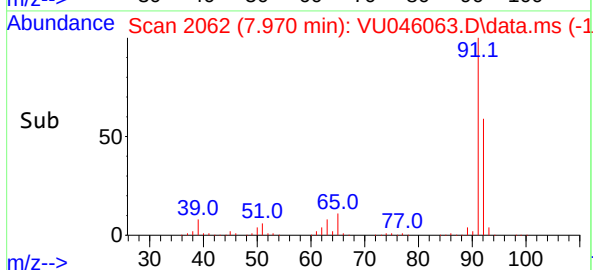
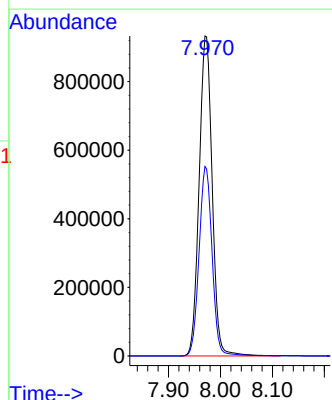
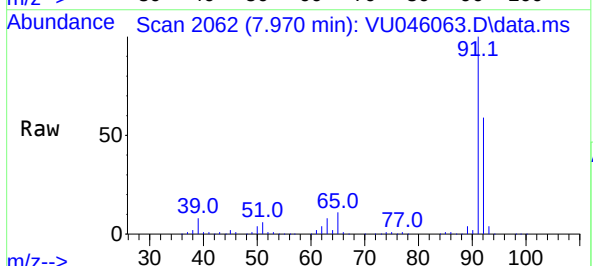
Acq: 02 Dec 2021 19:19

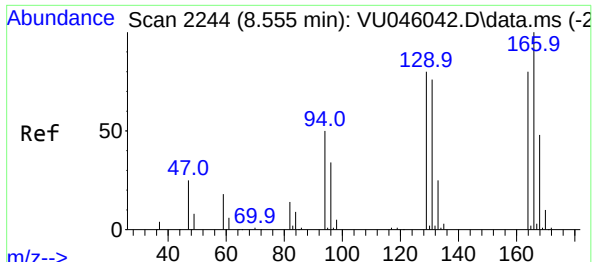
Tgt Ion: 91 Resp: 1628628

Ion Ratio Lower Upper

91 100

92 59.2 41.9 77.7



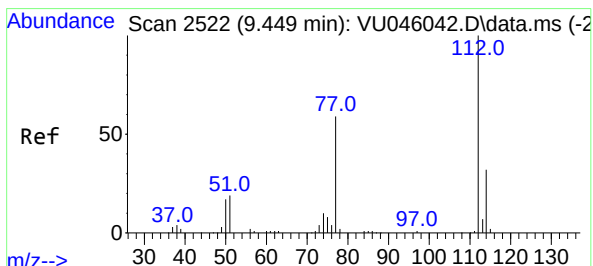
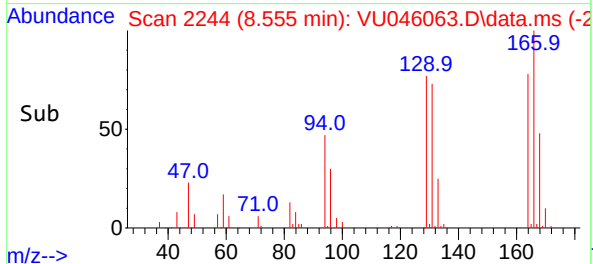
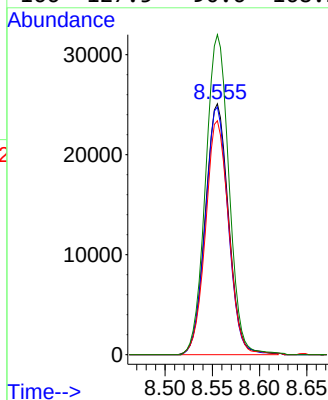
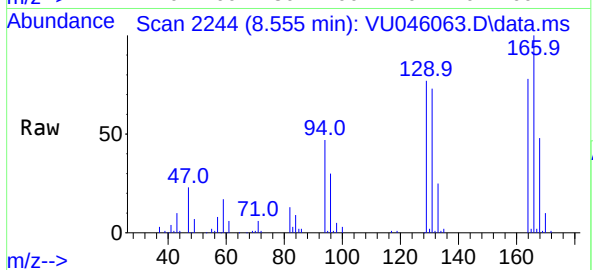


#46
Tetrachloroethene
Concen: 30.301 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Instrument :
MSVOA_U
ClientSampleId :
BGKP6

Tgt Ion:164 Resp: 43236

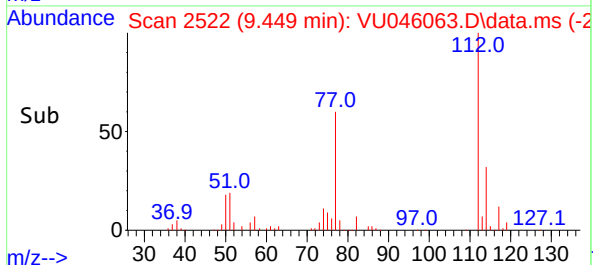
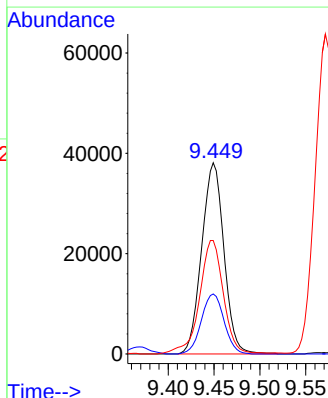
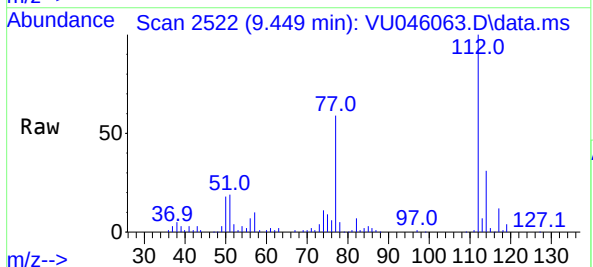
Ion	Ratio	Lower	Upper
164	100		
129	98.7	71.1	132.1
131	93.2	67.8	126.0
166	127.5	90.6	168.2

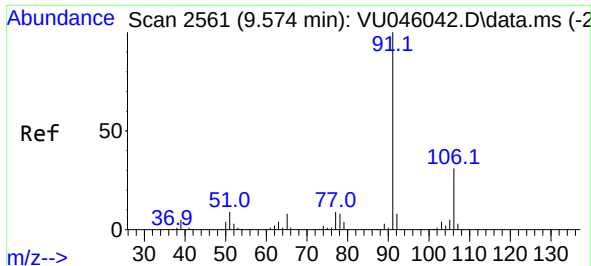


#51
Chlorobenzene
Concen: 12.598 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion:112 Resp: 64457

Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.2	41.2
77	59.3	47.4	71.0

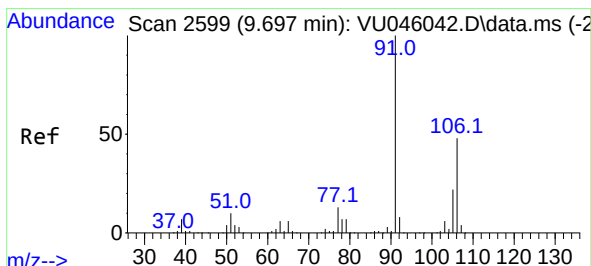
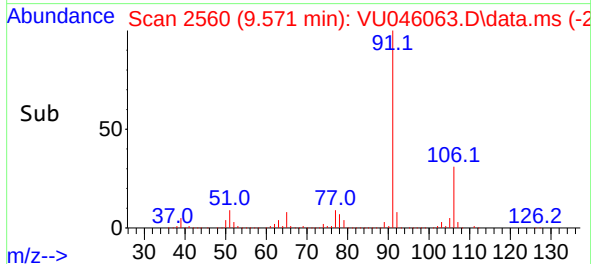
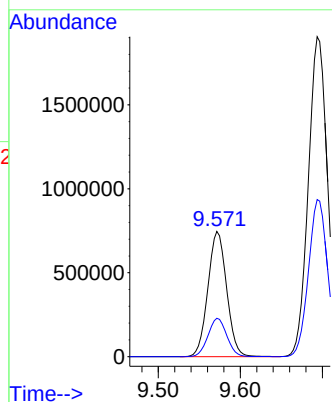
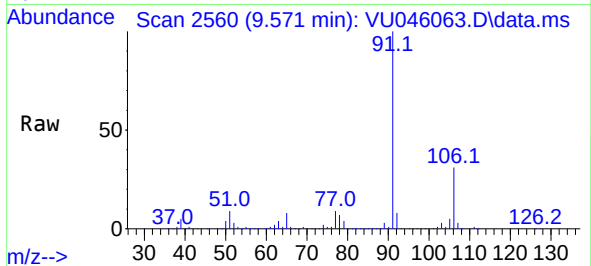




#52
Ethylbenzene
Concen: 139.465 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

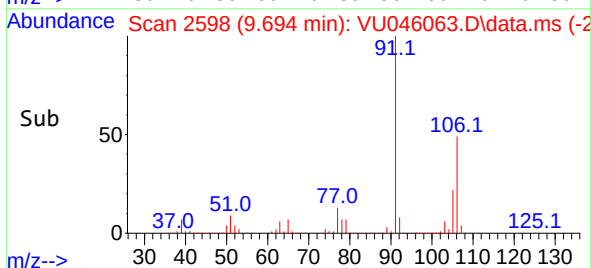
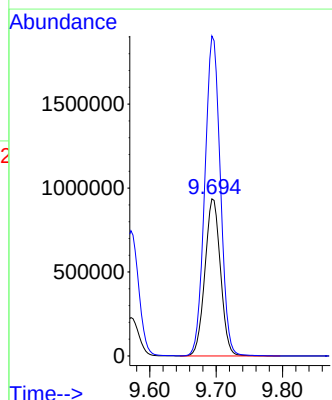
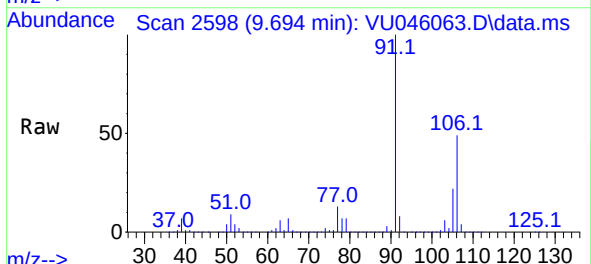
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

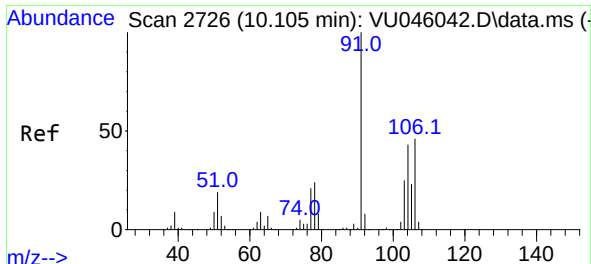
Tgt Ion: 91 Resp: 1187033
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 459.097 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion: 106 Resp: 1523882
Ion Ratio Lower Upper
106 100
91 203.7 144.3 268.1

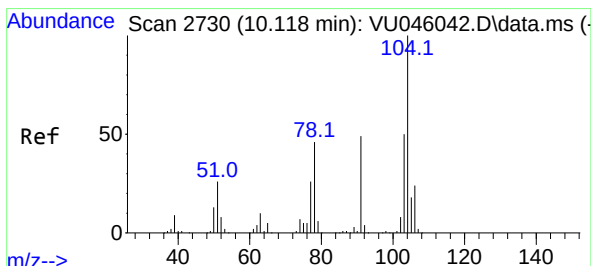
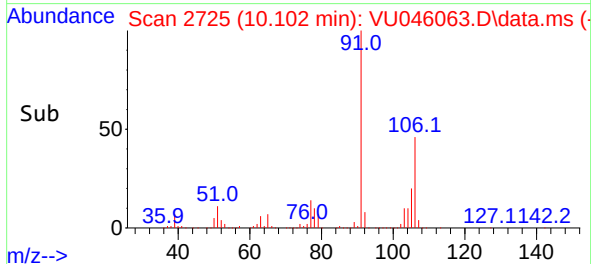
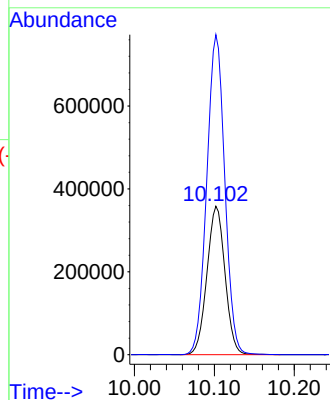
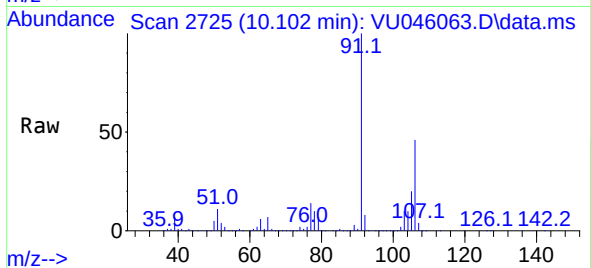




#54
o-xylene
Concen: 174.921 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

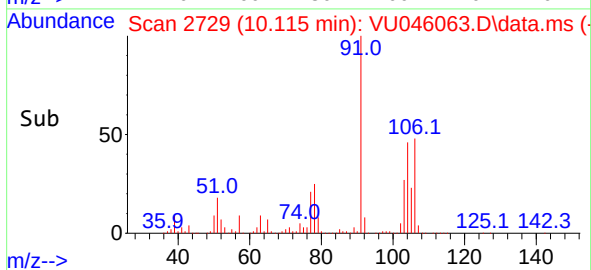
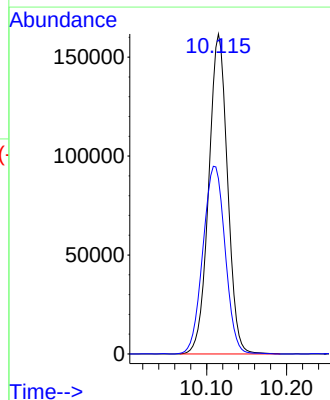
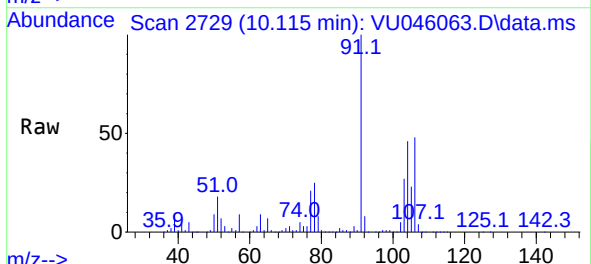
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

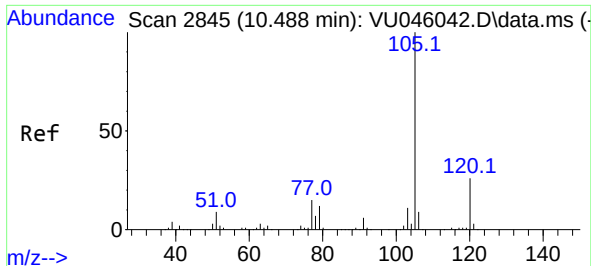
Tgt Ion:106 Resp: 563388
Ion Ratio Lower Upper
106 100
91 215.6 154.2 286.4



#55
Styrene
Concen: 48.037 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion:104 Resp: 264147
Ion Ratio Lower Upper
104 100
78 54.8 32.6 60.5

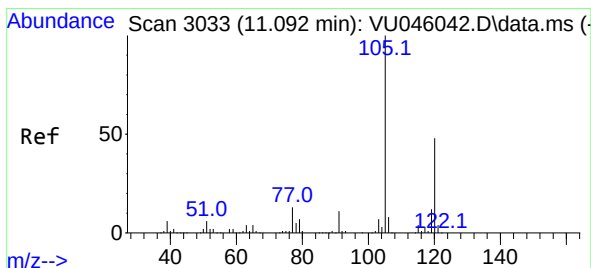
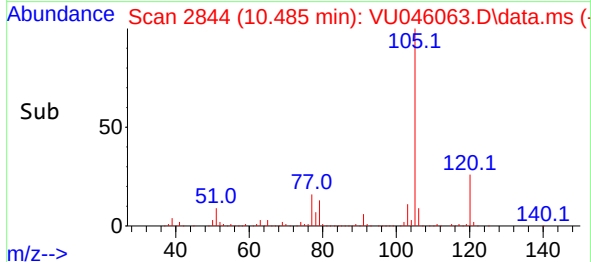
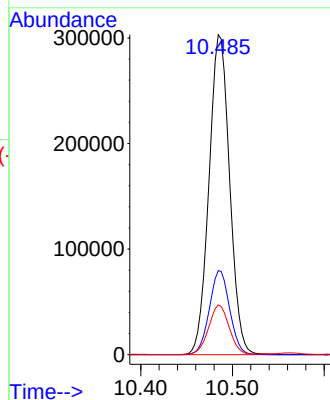
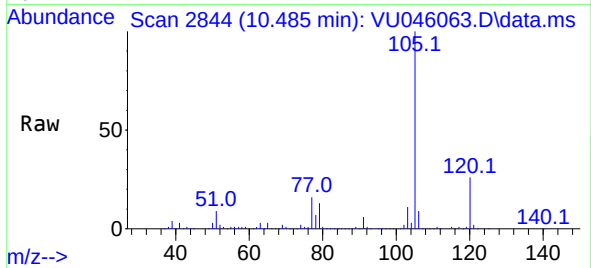




#61
Isopropylbenzene
Concen: 56.936 ug/L
RT: 10.485 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

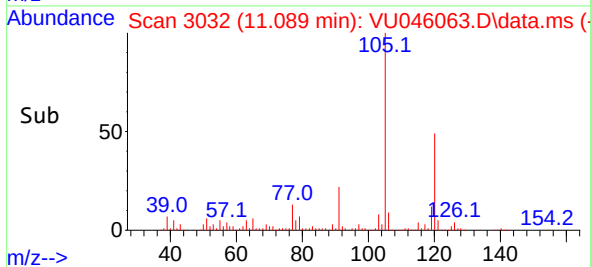
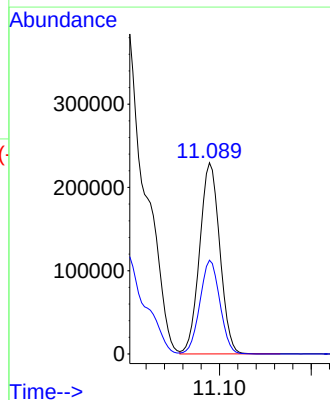
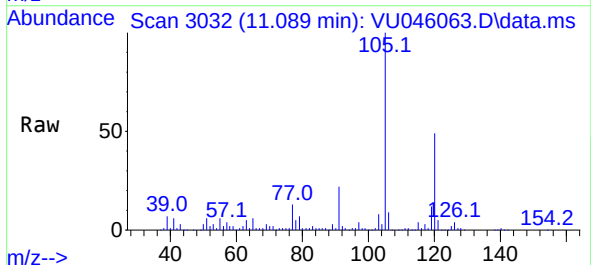
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

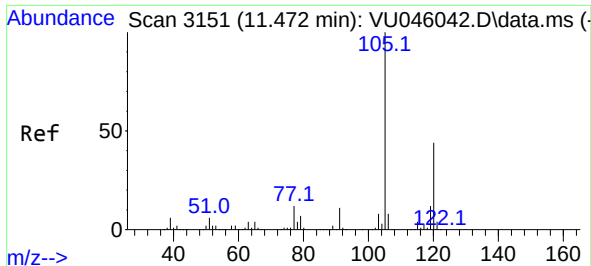
Tgt Ion:105 Resp: 474584
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.4 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 50.436 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion:105 Resp: 350410
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6

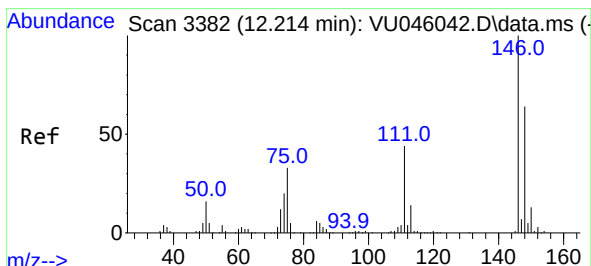
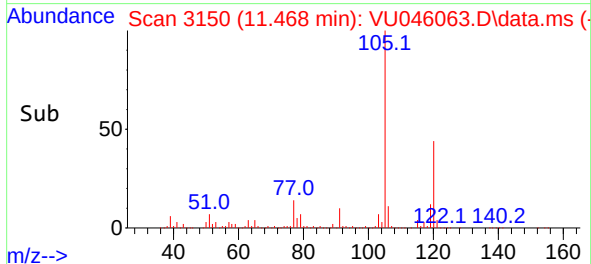
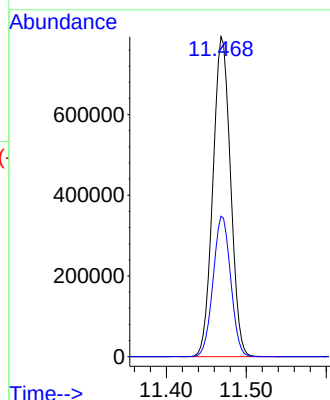
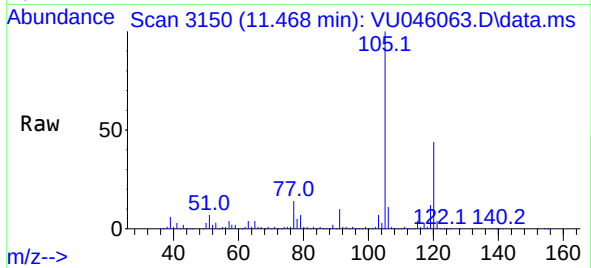




#63
1,2,4-Trimethylbenzene
Concen: 174.363 ug/L
RT: 11.468 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

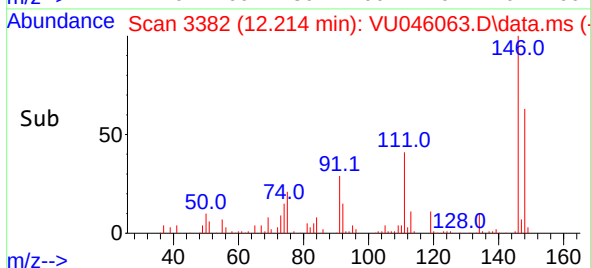
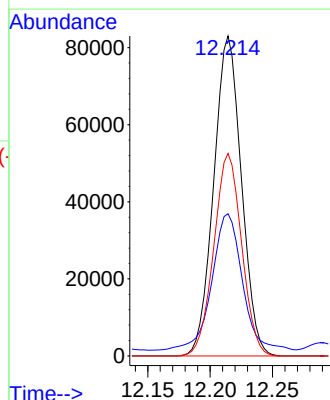
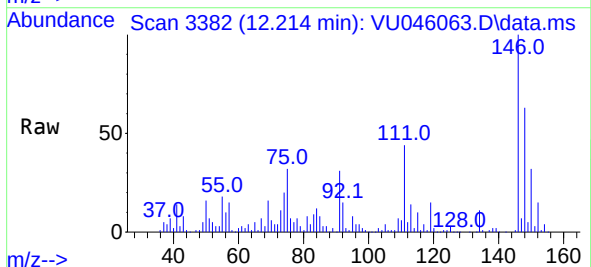
Instrument :
MSVOA_U
ClientSampleId :
BGKP6

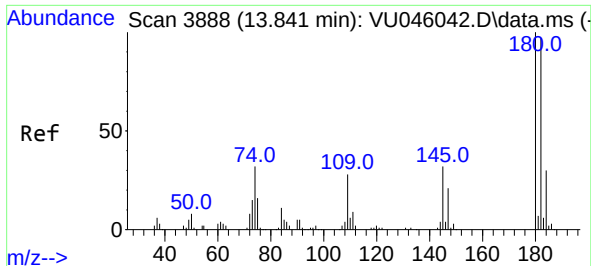
Tgt Ion:105 Resp: 1212012
Ion Ratio Lower Upper
105 100
120 43.7 35.2 52.8



#67
1,2-Dichlorobenzene
Concen: 32.217 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion:146 Resp: 128456
Ion Ratio Lower Upper
146 100
111 44.4 35.7 53.5
148 63.3 51.2 76.8

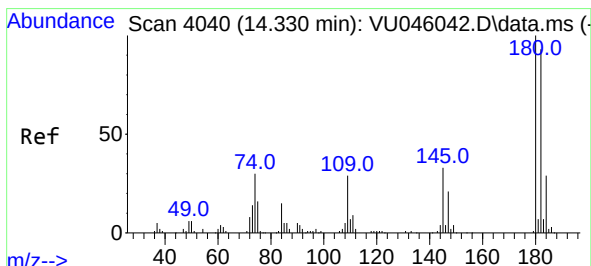
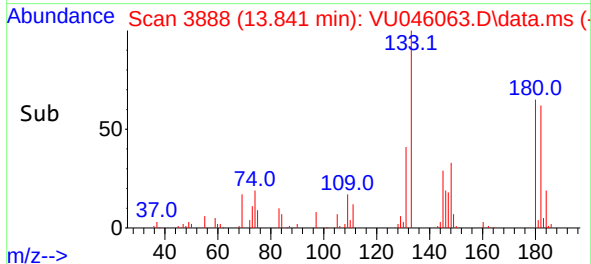
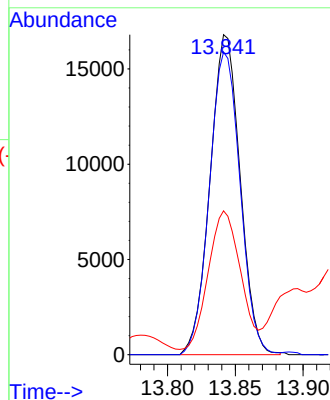
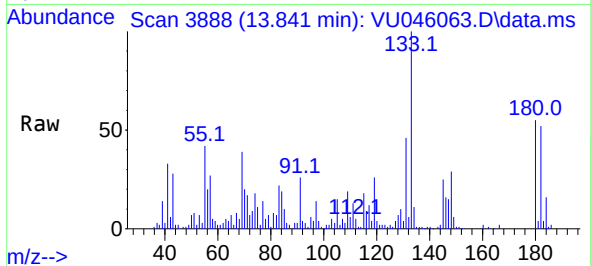




#70
1,2,4-trichlorobenzene
Concen: 10.157 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Instrument :
MSVOA_U
ClientSampleId :
BGKP6

Tgt Ion:180 Resp: 26004
Ion Ratio Lower Upper
180 100
182 96.2 76.7 115.1
145 45.9 26.0 39.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.873 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU046063.D
Acq: 02 Dec 2021 19:19

Tgt Ion:180 Resp: 7500
Ion Ratio Lower Upper
180 100
182 92.1 76.0 114.0
145 105.4 27.3 40.9#

