

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046273.D
 Acq On : 10 Dec 2021 18:15
 Operator : SY/MD
 Sample : M4943-02DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 22:25:39 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	6.253	114	245447	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	250717	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	140222	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65869	32.578	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.160%
7) Chloroethane-d5	1.919	69	53779	34.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.280%#
11) 1,1-Dichloroethene-d2	2.575	63	95082	26.196	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.400%#
21) 2-Butanone-d5	4.642	46	138800	86.357	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.360%
24) Chloroform-d	5.070	84	131405	38.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.840%
26) 1,2-Dichloroethane-d4	5.706	65	92465	40.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.620%
32) Benzene-d6	5.732	84	284436	39.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.160%
36) 1,2-Dichloropropane-d6	6.694	67	90909	40.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.640%
41) Toluene-d8	7.899	98	253962	38.815	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.640%#
43) trans-1,3-Dichloroprop...	8.179	79	46455	43.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.420%
47) 2-Hexanone-d5	8.636	63	103238	97.769	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.770%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	148660	44.016	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.040%
66) 1,2-Dichlorobenzene-d4	12.195	152	109899	40.697	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	885	0.496	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	741	0.437	ug/L #	1
13) Acetone	2.665	43	19904	9.909	ug/L	61
33) Benzene	5.780	78	7227	0.952	ug/L	100
37) 1,2-Dichloropropane	6.690	63	10208	5.135	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	2834	0.937	ug/L #	80
42) Toluene	7.970	91	117825	14.471	ug/L	99
45) 1,1,2-Trichloroethane	8.372	97	959	0.481	ug/L #	15
51) Chlorobenzene	9.449	112	3246	0.616	ug/L #	88
52) Ethylbenzene	9.571	91	272903	31.143	ug/L	97
53) m,p-Xylene	9.693	106	326129	95.431	ug/L	96
54) o-xylene	10.102	106	109865	33.131	ug/L	96
55) Styrene	10.111	104	10550	1.863	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.812	83	5454	1.595	ug/L #	53
61) Isopropylbenzene	10.484	105	43231	4.738	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	121209	15.939	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	405906	53.351	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	4954	1.135	ug/L #	80
70) 1,2,4-trichlorobenzene	13.841	180	2503	0.893	ug/L #	72

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

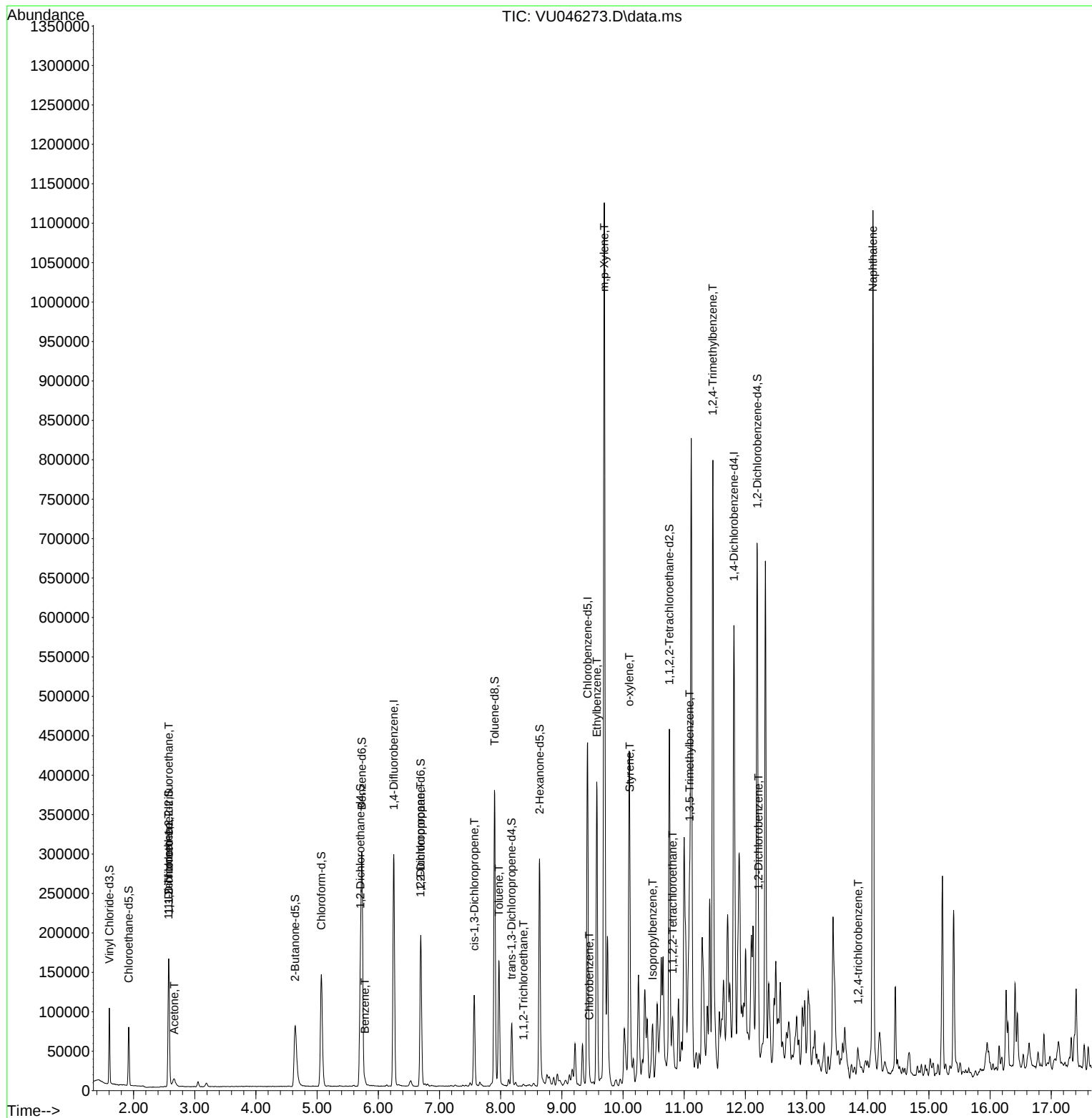
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.086	128	861476	88.348	ug/L	99

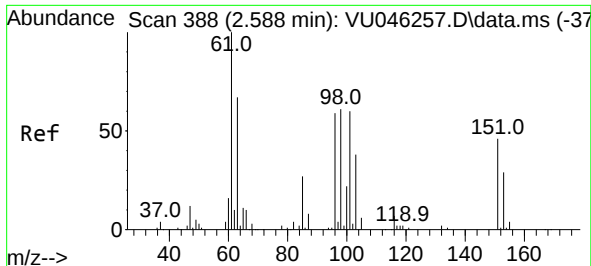
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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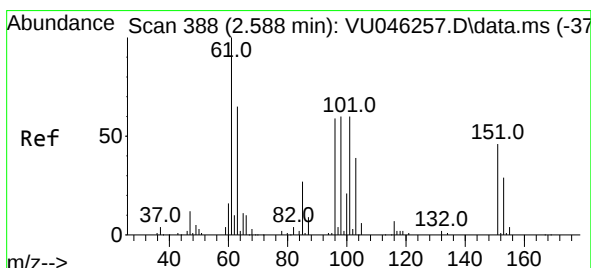
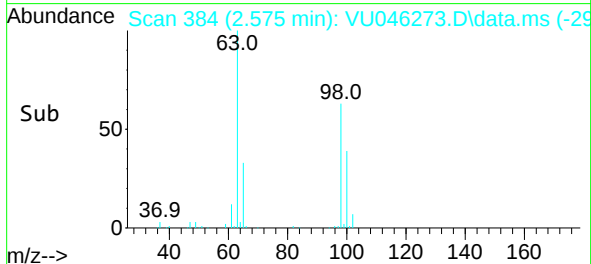
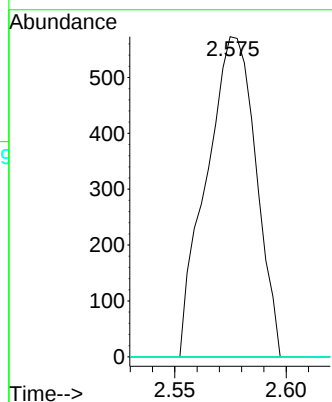
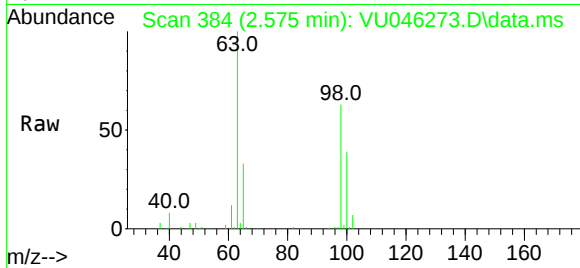




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.496 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046273.D
 Acq: 10 Dec 2021 18:15

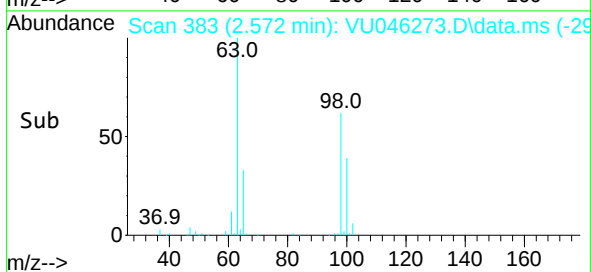
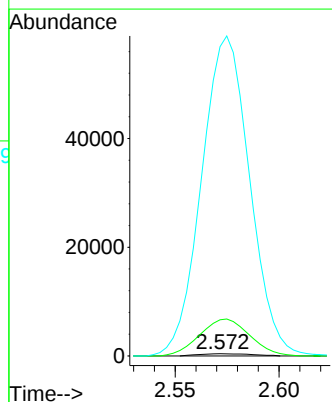
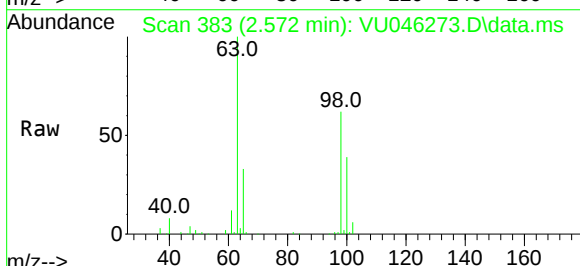
Instrument :
 MSVOA_U
 ClientSampleId :

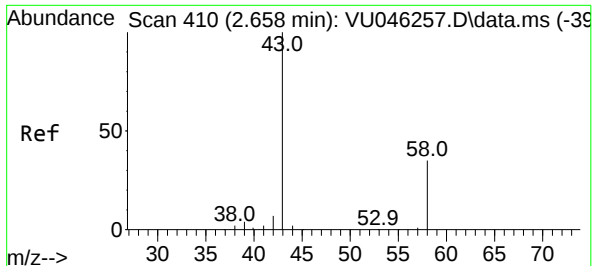
Tgt Ion:101 Resp: 885
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.437 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU046273.D
 Acq: 10 Dec 2021 18:15

Tgt Ion: 96 Resp: 741
 Ion Ratio Lower Upper
 96 100
 61 1658.0 118.6 220.2#
 63 14155.2 93.0 172.8#





#13

Acetone

Concen: 9.909 ug/L

RT: 2.665 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU046273.D

Acq: 10 Dec 2021 18:15

Instrument :

MSVOA_U

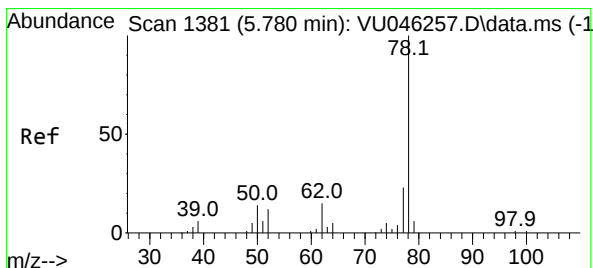
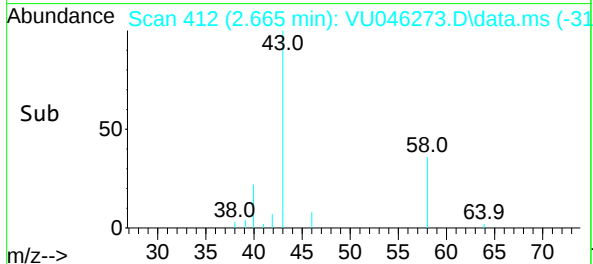
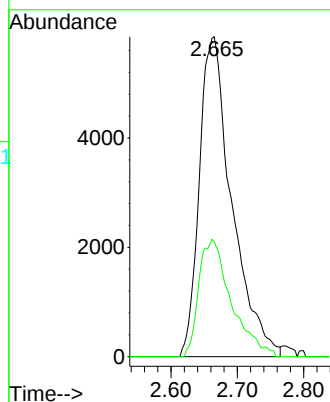
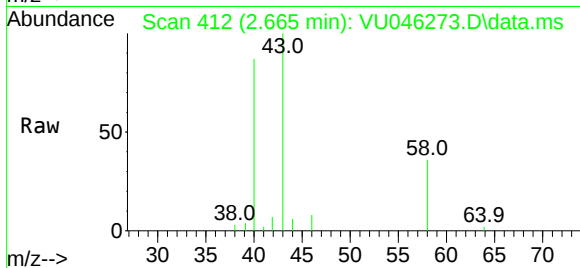
ClientSampleId :

Tgt Ion: 43 Resp: 19904

Ion Ratio Lower Upper

43 100

58 11.4 0.0 66.8



#33

Benzene

Concen: 0.952 ug/L

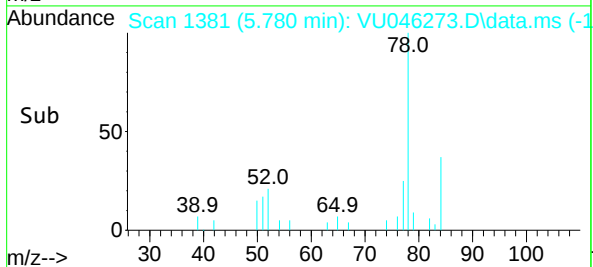
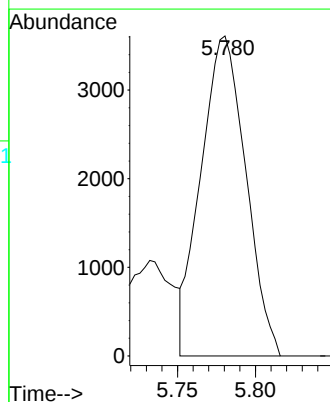
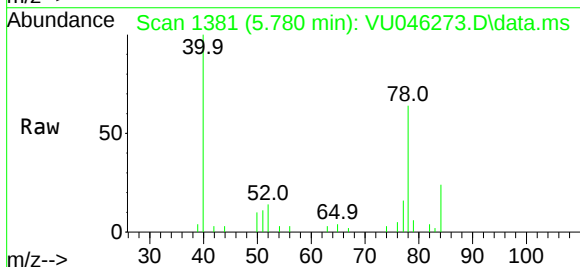
RT: 5.780 min Scan# 1381

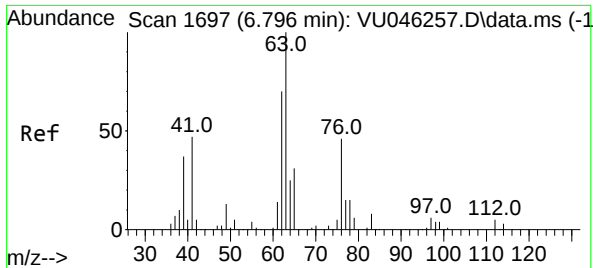
Delta R.T. 0.000 min

Lab File: VU046273.D

Acq: 10 Dec 2021 18:15

Tgt Ion: 78 Resp: 7227





#37

1,2-Dichloropropane

Concen: 5.135 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046273.D

Acq: 10 Dec 2021 18:15

Instrument :

MSVOA_U

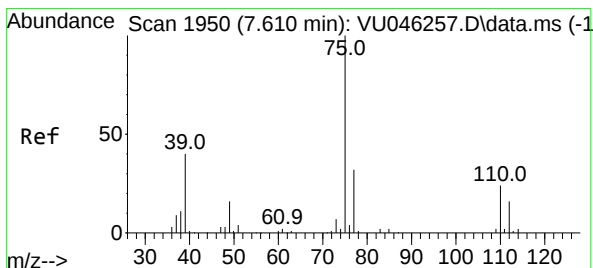
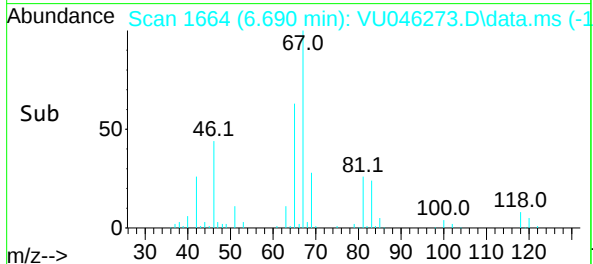
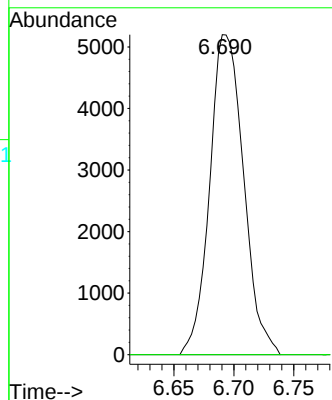
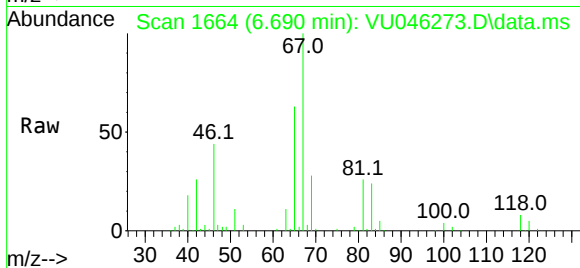
ClientSampleId :

Tgt Ion: 63 Resp: 10208

Ion Ratio Lower Upper

63 100

112 0.7 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.937 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046273.D

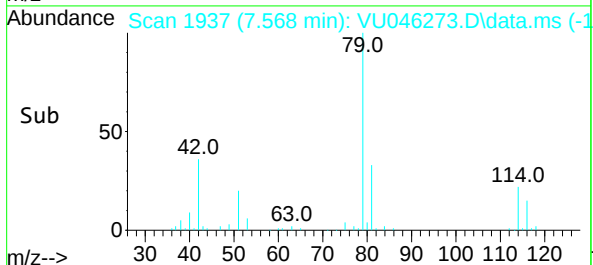
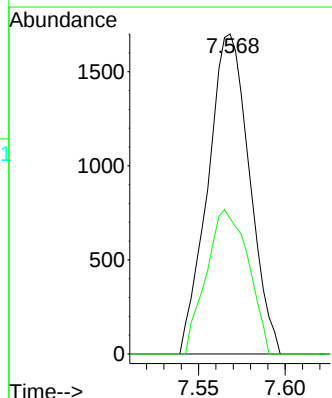
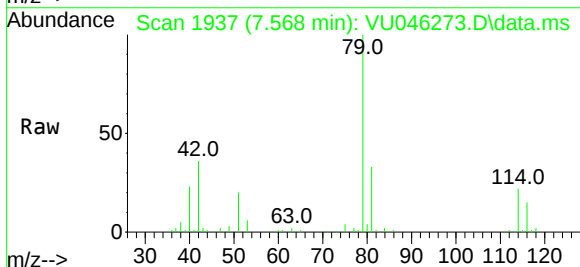
Acq: 10 Dec 2021 18:15

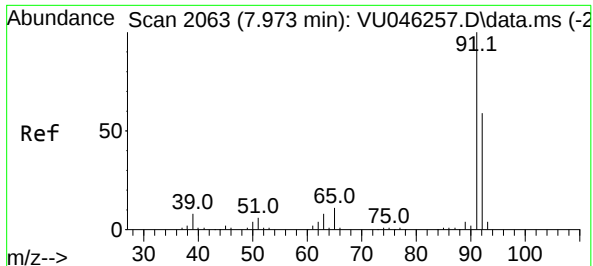
Tgt Ion: 75 Resp: 2834

Ion Ratio Lower Upper

75 100

77 42.3 21.8 40.6#

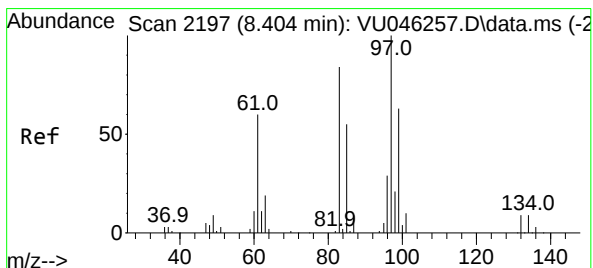
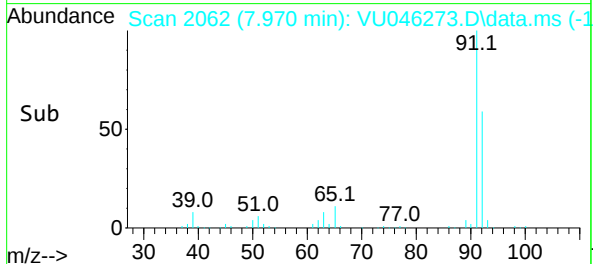
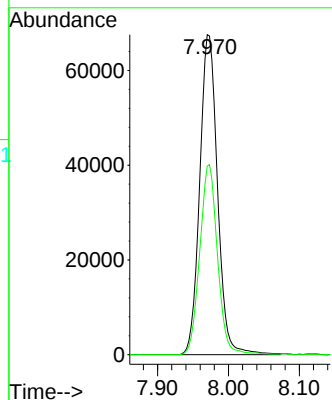
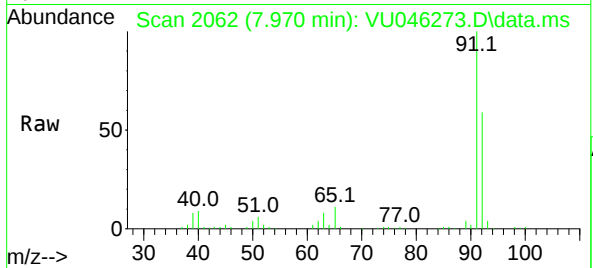




#42
Toluene
Concen: 14.471 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

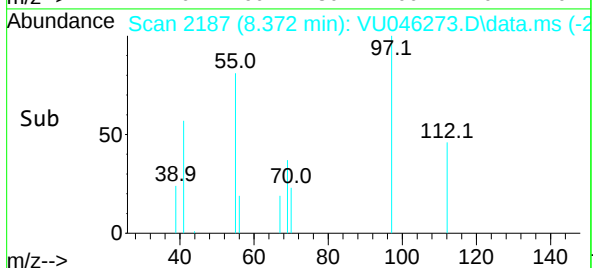
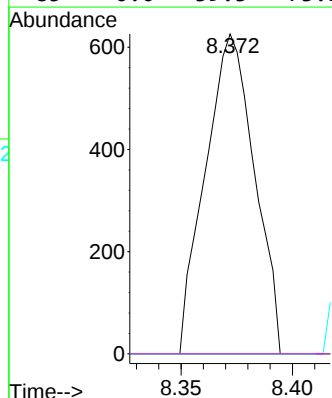
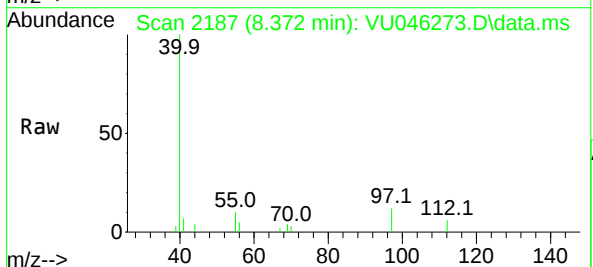
Instrument :
MSVOA_U
ClientSampleId :

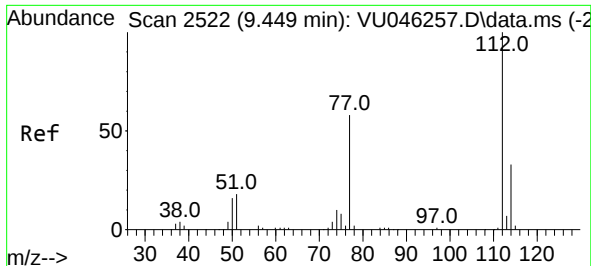
Tgt Ion: 91 Resp: 117825
Ion Ratio Lower Upper
91 100
92 58.9 41.9 77.7



#45
1,1,2-Trichloroethane
Concen: 0.481 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 97 Resp: 959
Ion Ratio Lower Upper
97 100
99 0.0 44.7 82.9#
83 0.0 60.2 111.8#
85 0.0 39.3 73.1#

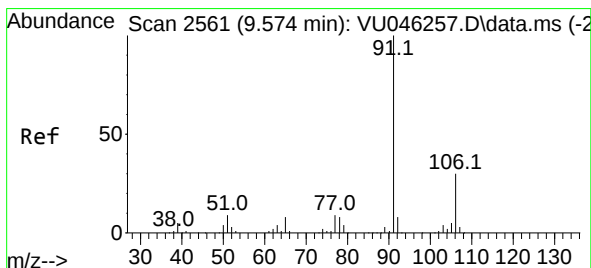
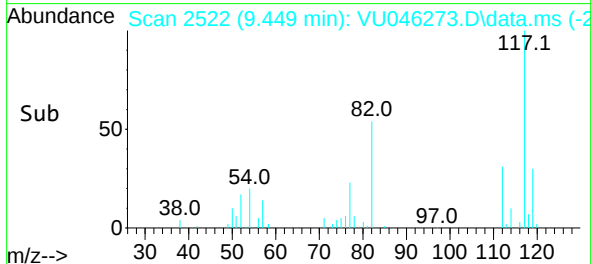
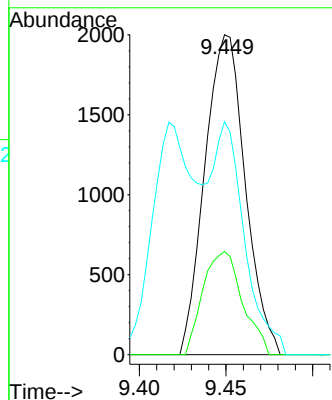
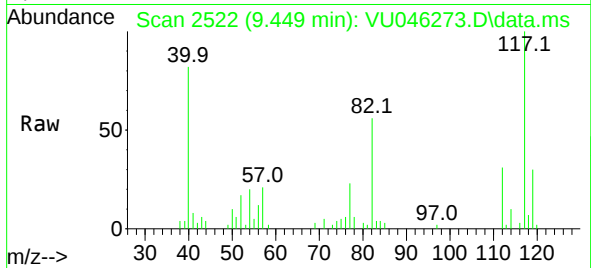




#51
Chlorobenzene
Concen: 0.616 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

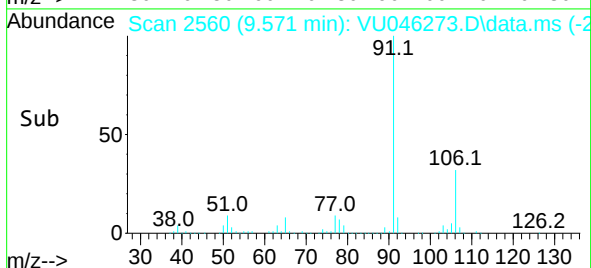
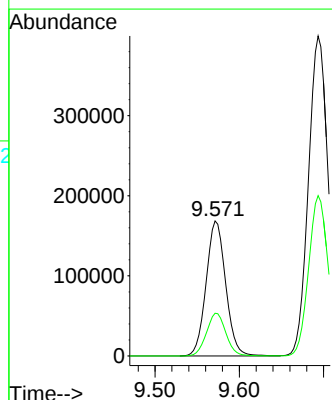
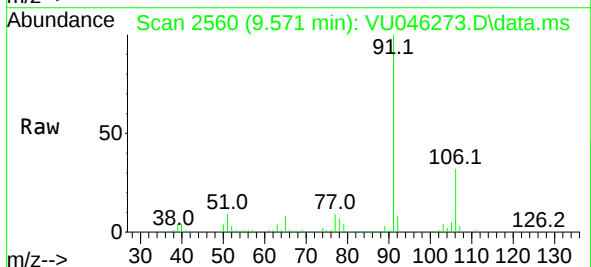
Instrument :
MSVOA_U
ClientSampleId :

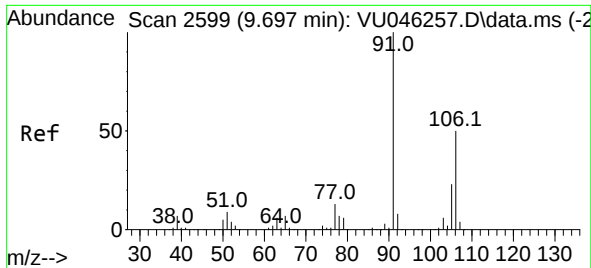
Tgt Ion:112 Resp: 3246
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 72.8 47.4 71.0#



#52
Ethylbenzene
Concen: 31.143 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 91 Resp: 272903
Ion Ratio Lower Upper
91 100
106 31.6 21.1 39.3

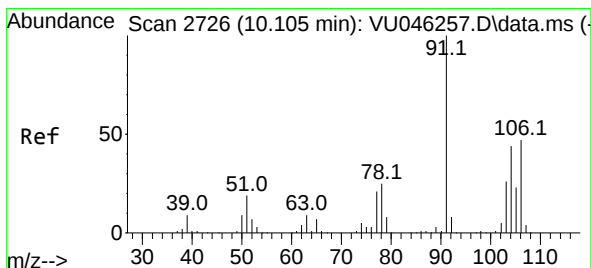
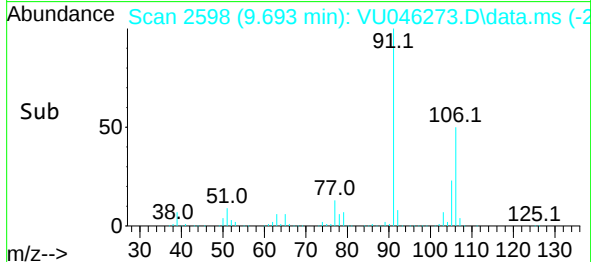
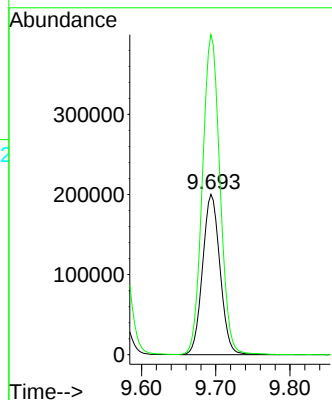
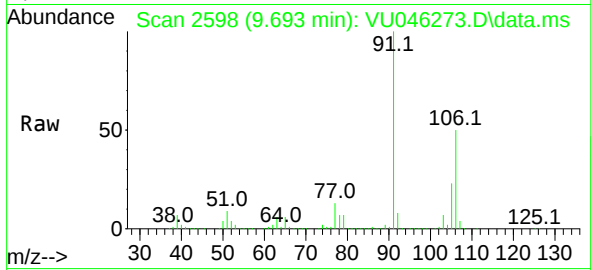




#53
m,p-Xylene
Concen: 95.431 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

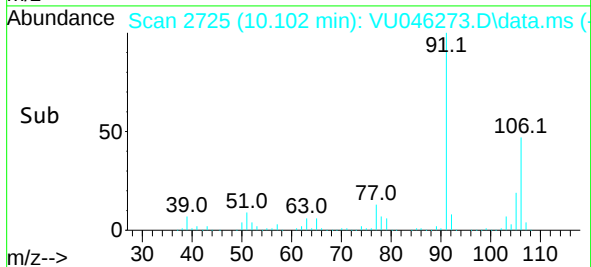
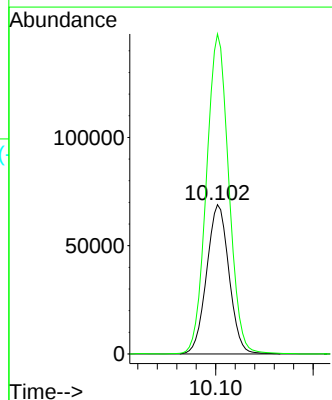
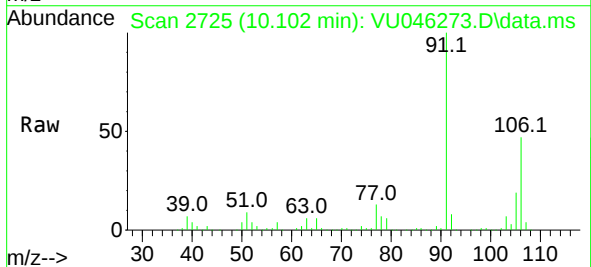
Instrument :
MSVOA_U
ClientSampleId :

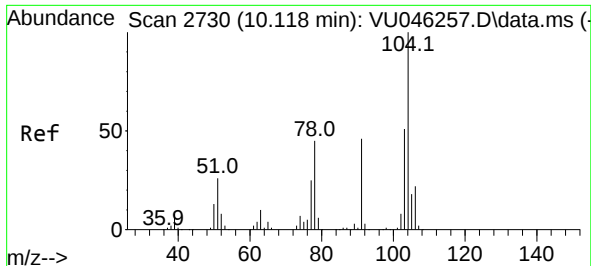
Tgt Ion:106 Resp: 326129
Ion Ratio Lower Upper
106 100
91 199.5 144.3 268.1



#54
o-xylene
Concen: 33.131 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:106 Resp: 109865
Ion Ratio Lower Upper
106 100
91 214.4 154.2 286.4

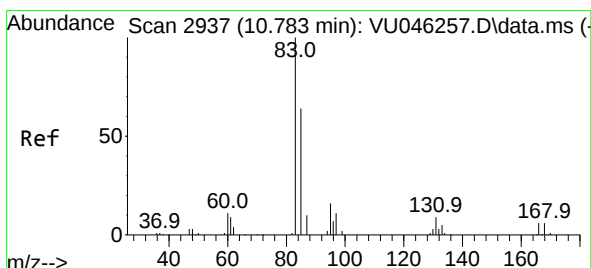
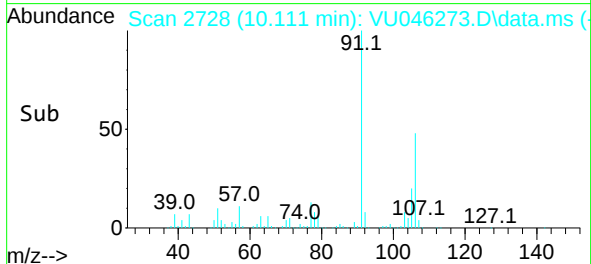
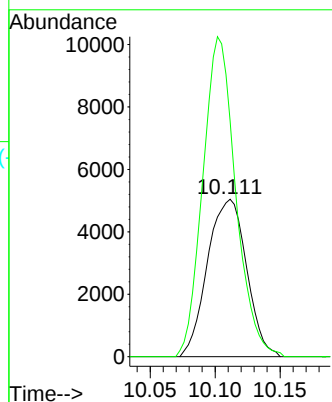
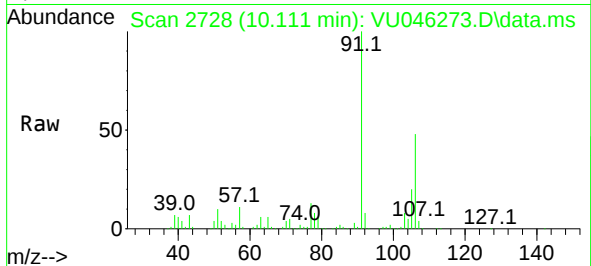




#55
Styrene
Concen: 1.863 ug/L
RT: 10.111 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

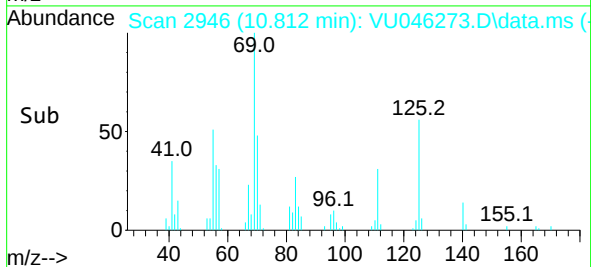
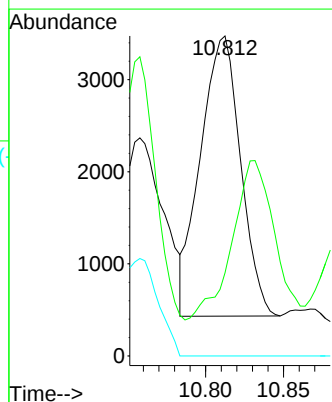
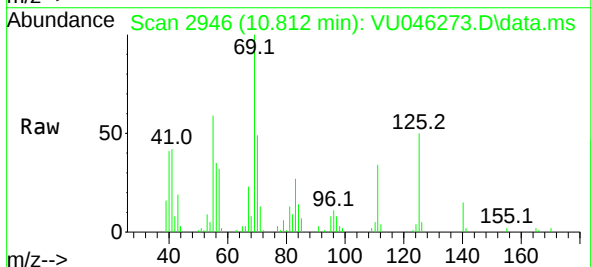
Instrument :
MSVOA_U
ClientSampleId :

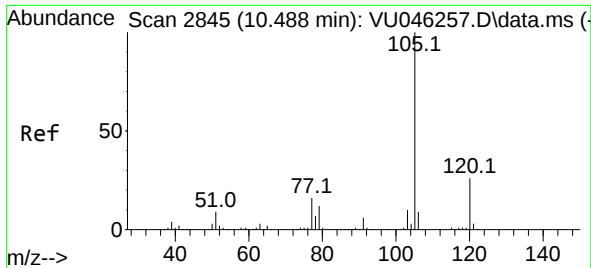
Tgt Ion:104 Resp: 10550
Ion Ratio Lower Upper
104 100
78 149.7 32.6 60.5#



#57
1,1,2,2-Tetrachloroethane
Concen: 1.595 ug/L
RT: 10.812 min Scan# 2946
Delta R.T. 0.026 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

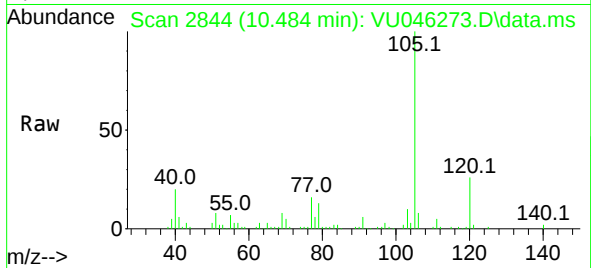
Tgt Ion: 83 Resp: 5454
Ion Ratio Lower Upper
83 100
85 25.9 45.6 84.6#
131 0.0 7.8 11.6#



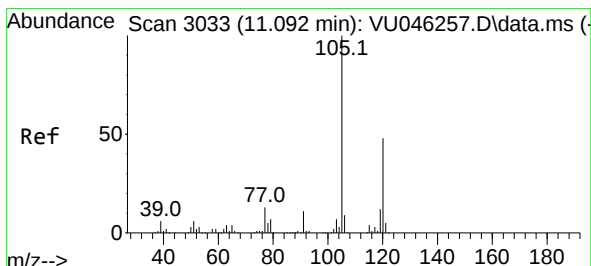
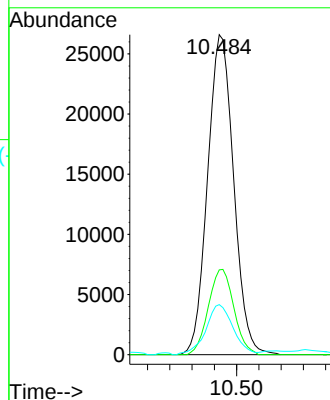
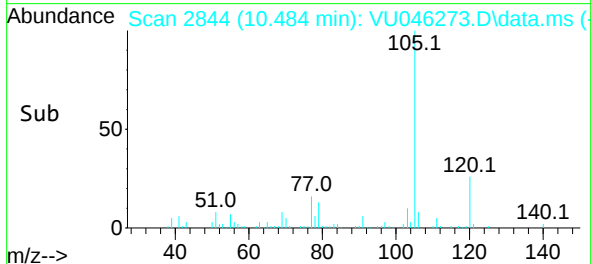


#61
Isopropylbenzene
Concen: 4.738 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_U
ClientSampleId :

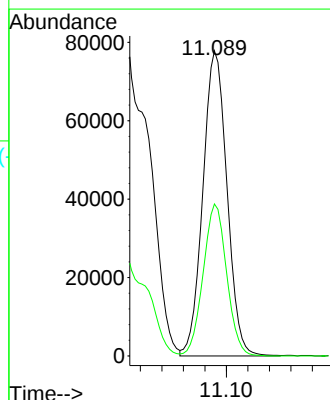
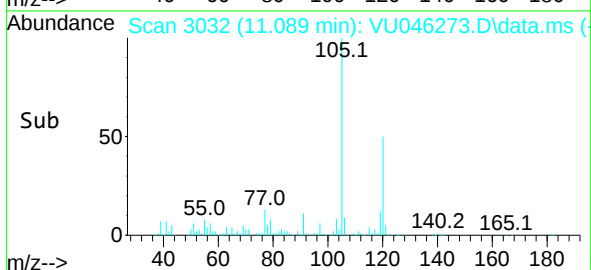
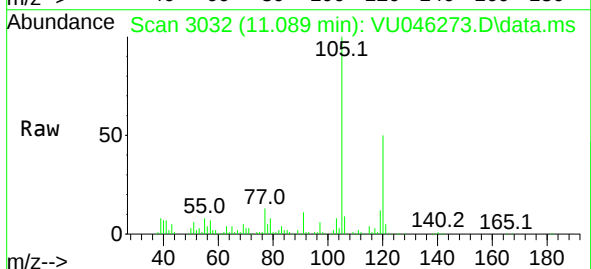


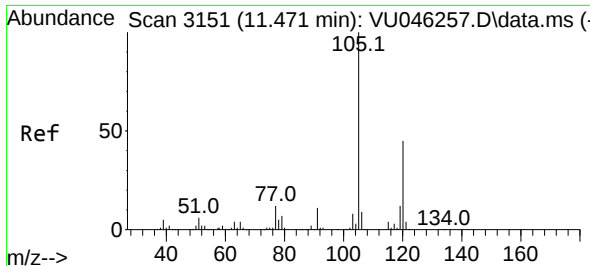
Tgt Ion:105 Resp: 43231
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 16.4 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 15.939 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:105 Resp: 121209
Ion Ratio Lower Upper
105 100
120 48.6 37.8 56.6

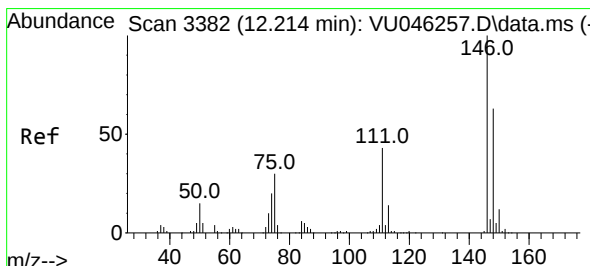
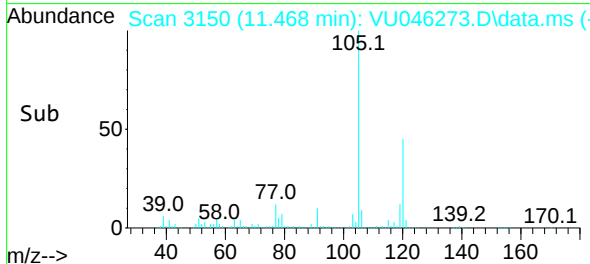
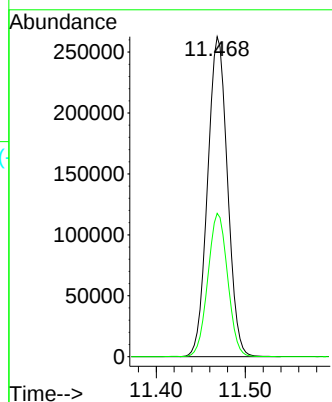
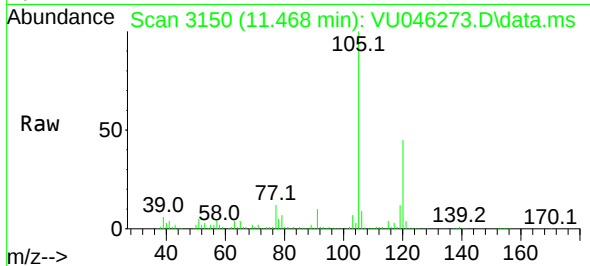




#63
 1,2,4-Trimethylbenzene
 Concen: 53.351 ug/L
 RT: 11.468 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: VU046273.D
 Acq: 10 Dec 2021 18:15

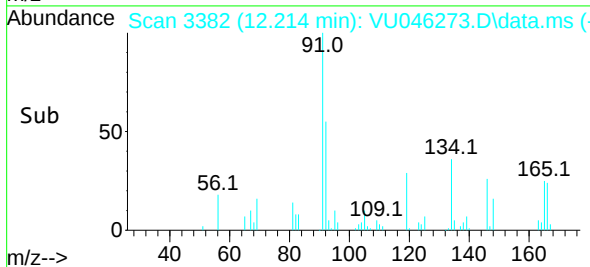
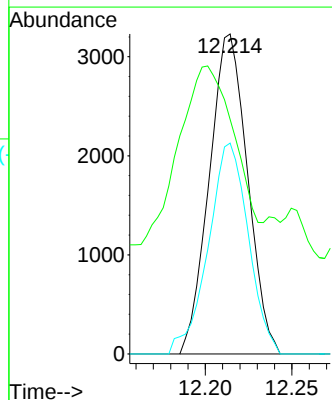
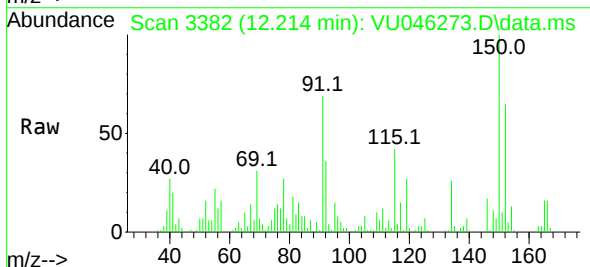
Instrument :
 MSVOA_U
 ClientSampleId :

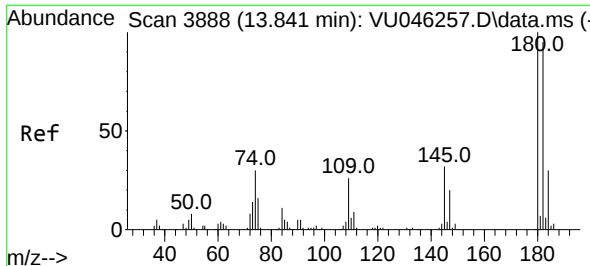
Tgt Ion:105 Resp: 405906
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.2 52.8



#67
 1,2-Dichlorobenzene
 Concen: 1.135 ug/L
 RT: 12.214 min Scan# 3382
 Delta R.T. 0.000 min
 Lab File: VU046273.D
 Acq: 10 Dec 2021 18:15

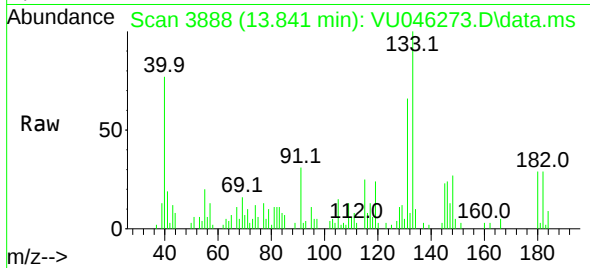
Tgt Ion:146 Resp: 4954
 Ion Ratio Lower Upper
 146 100
 111 73.3 35.7 53.5#
 148 65.9 51.2 76.8



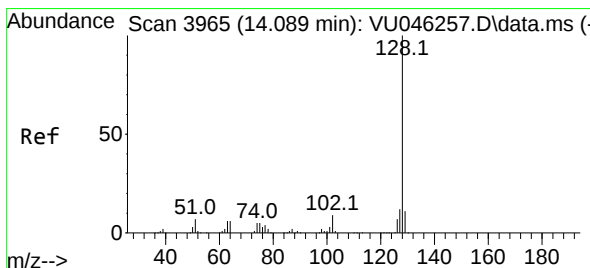
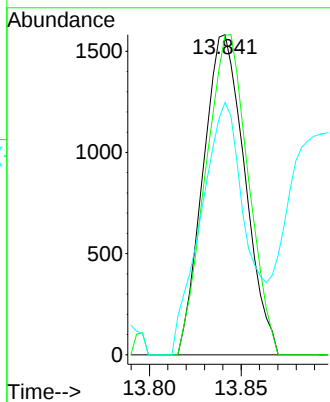
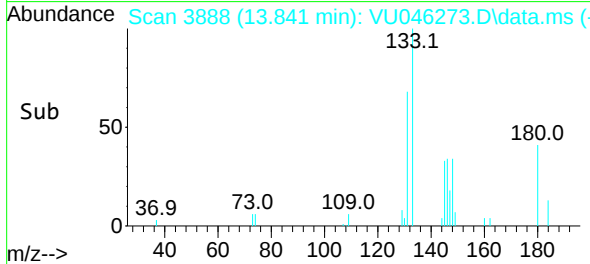


#70
1,2,4-trichlorobenzene
Concen: 0.893 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 2503
Ion Ratio Lower Upper
180 100
182 101.9 76.7 115.1
145 84.9 26.0 39.0#



#71
Naphthalene
Concen: 88.348 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046273.D
Acq: 10 Dec 2021 18:15

Tgt Ion:128 Resp: 861476
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.1 8.6 13.0

