

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047673.D
 Acq On : 25 Mar 2022 15:07
 Operator : SY/MD
 Sample : N2081-10DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X7DL

Quant Time: Mar 26 02:09:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	286945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	295852	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	160604	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	115762	55.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.260%
7) Chloroethane-d5	1.915	69	102930	62.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.460%
11) 1,1-Dichloroethene-d2	2.571	63	161823	42.506	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.020%
21) 2-Butanone-d5	4.632	46	227429	127.339	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.340%
24) Chloroform-d	5.066	84	214063	56.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.440%
26) 1,2-Dichloroethane-d4	5.703	65	140878	60.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.660%
32) Benzene-d6	5.729	84	444651	59.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.460%
36) 1,2-Dichloropropane-d6	6.693	67	141660	61.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	123.920%#
41) Toluene-d8	7.899	98	410836	56.643	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.280%
43) trans-1,3-Dichloroprop...	8.179	79	66525	57.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.860%
47) 2-Hexanone-d5	8.635	63	168329	125.771	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.770%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	221450	56.440	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.880%
66) 1,2-Dichlorobenzene-d4	12.195	152	174896	61.210	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.420%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3553	1.369	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1504	0.711	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	4618	2.346	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	1735	0.817	ug/L	96
19) 1,1-Dichloroethane	3.877	63	128374	35.061	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	296122	127.228	ug/L	97
27) 1,2-Dichloroethane	5.800	62	1711	0.562	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	81223	24.212	ug/L	99
31) Carbon tetrachloride	5.317	117	11205	3.699	ug/L	98
37) 1,2-Dichloropropane	6.693	63	14825	6.810	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	4045	1.198	ug/L #	71
42) Toluene	7.970	91	23749	2.528	ug/L	97
44) trans-1,3-Dichloropropene	8.179	75	2996	0.888	ug/L	99
52) Ethylbenzene	9.571	91	8911	0.902	ug/L	97
53) m,p-Xylene	9.693	106	10399	2.682	ug/L	82
54) o-Xylene	10.102	106	6264	1.646	ug/L	92
61) Isopropylbenzene	10.999	105	20559	2.369	ug/L	94
62) 1,3,5-Trimethylbenzene	11.086	105	8652	1.837	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	37594	5.255	ug/L	99

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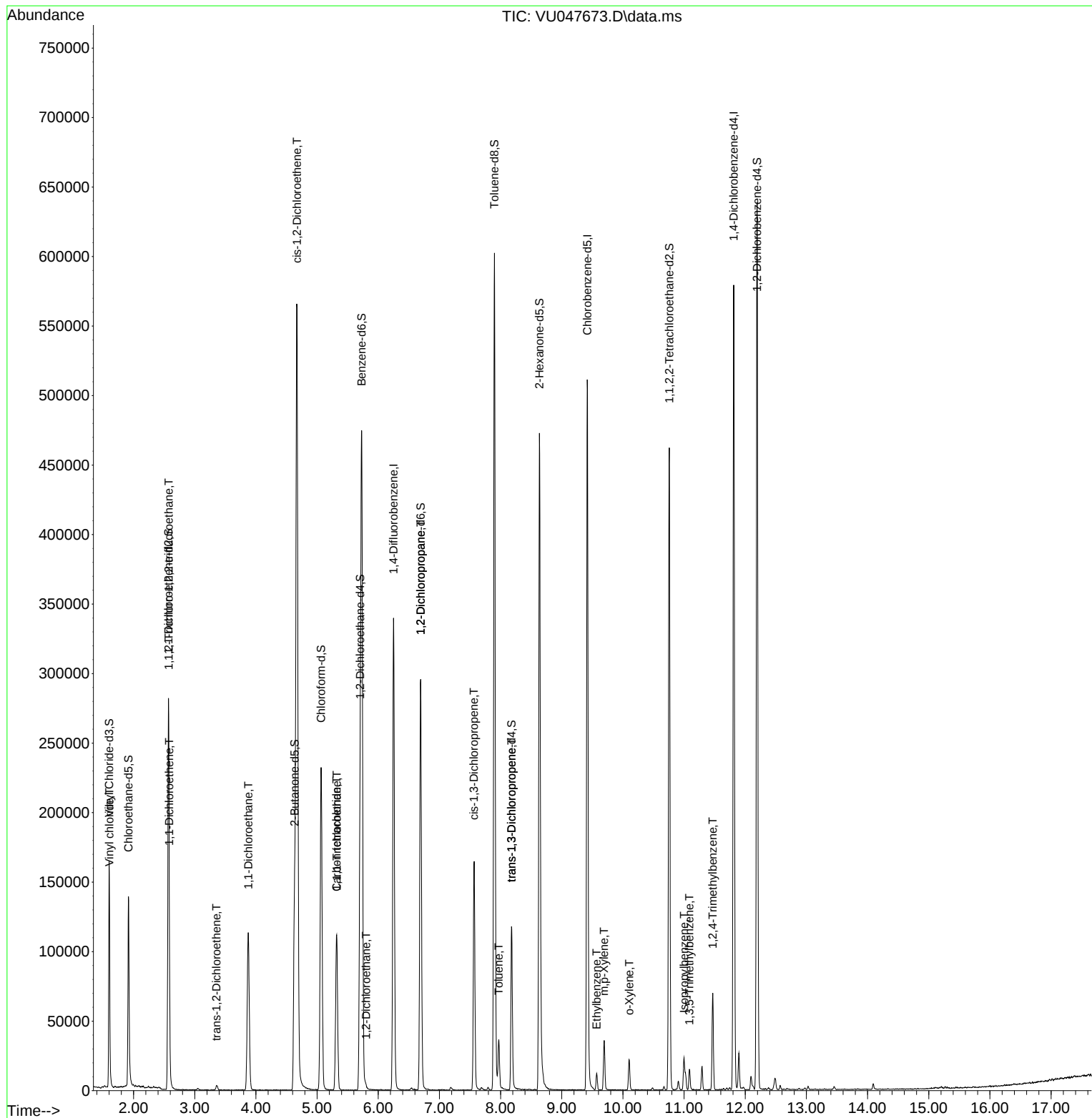
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

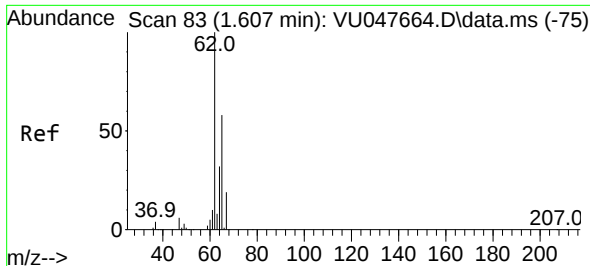
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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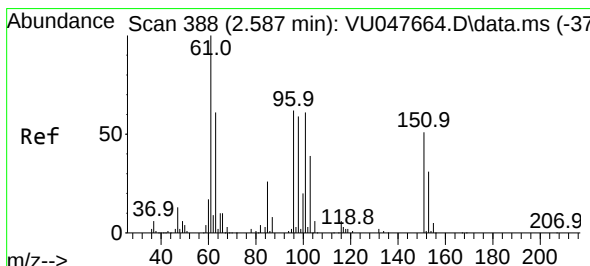
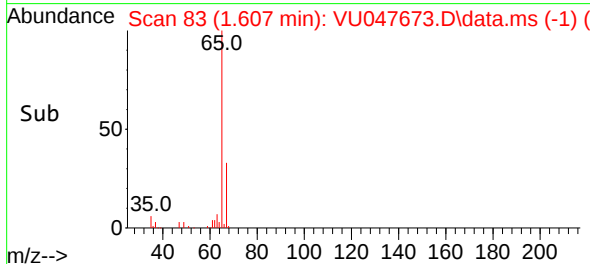
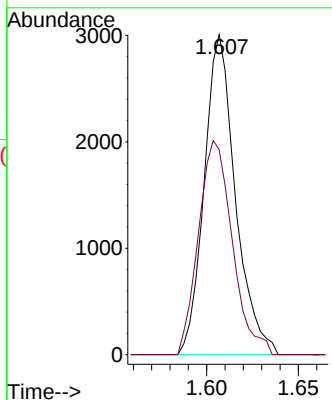
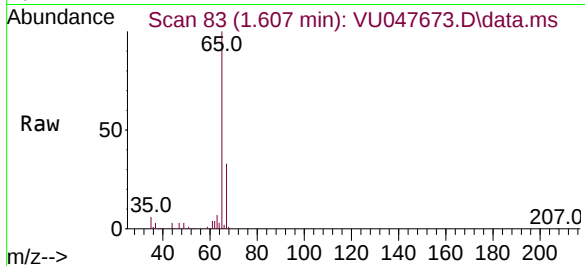




#5
 Vinyl chloride
 Concen: 1.369 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047673.D
 Acq: 25 Mar 2022 15:07

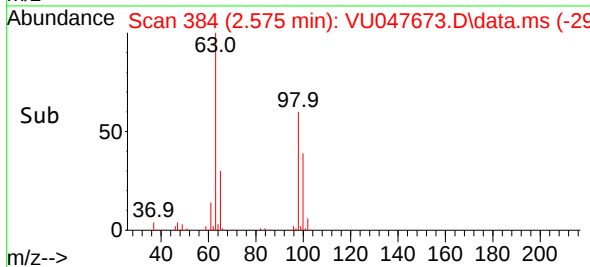
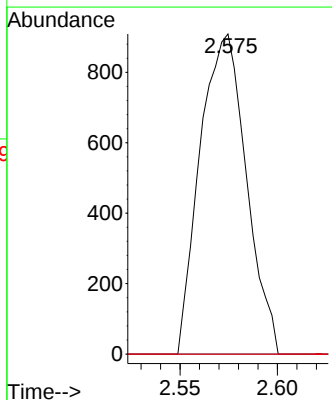
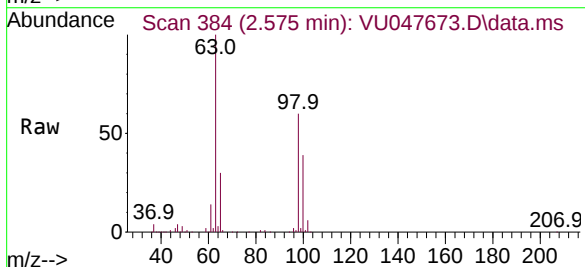
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X7DL

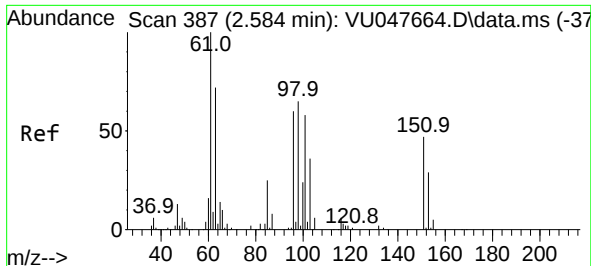
Tgt Ion: 62 Resp: 3553
 Ion Ratio Lower Upper
 62 100
 64 64.1 23.7 43.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.711 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU047673.D
 Acq: 25 Mar 2022 15:07

Tgt Ion: 101 Resp: 1504
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 2.346 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

EW5X7DL

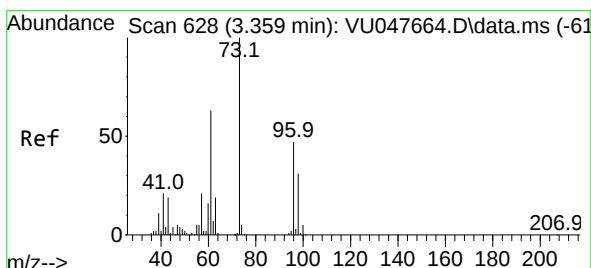
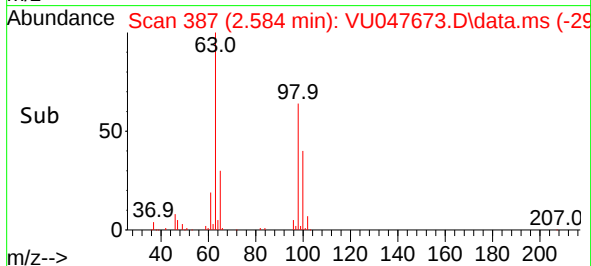
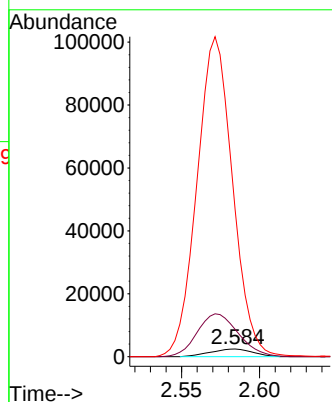
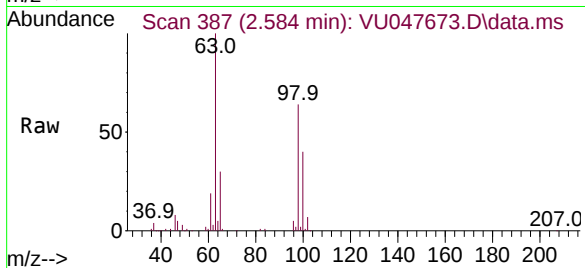
Tgt Ion: 96 Resp: 4618

Ion Ratio Lower Upper

96 100

61 357.7 113.1 210.1#

63 1932.7 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 0.817 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

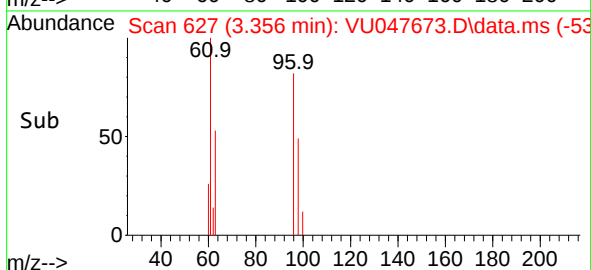
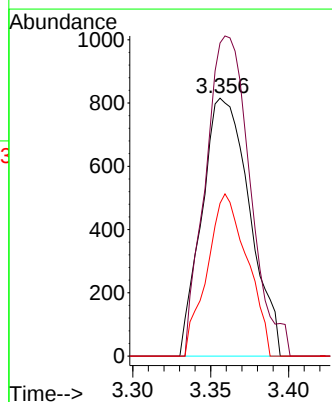
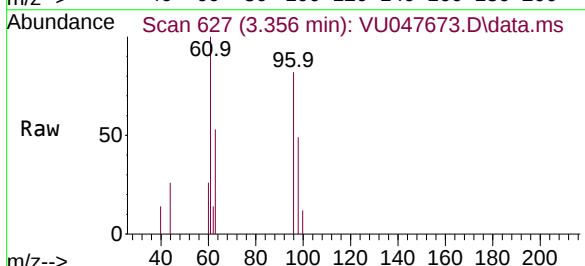
Tgt Ion: 96 Resp: 1735

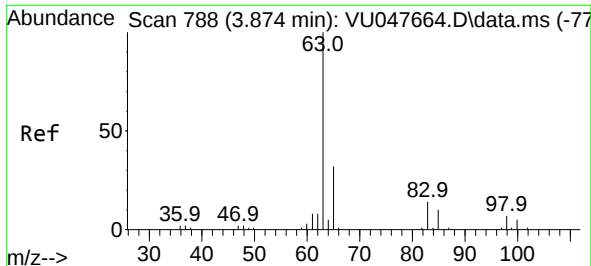
Ion Ratio Lower Upper

96 100

61 121.5 88.4 164.2

98 59.3 43.3 80.5





#19

1,1-Dichloroethane

Concen: 35.061 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

EW5X7DL

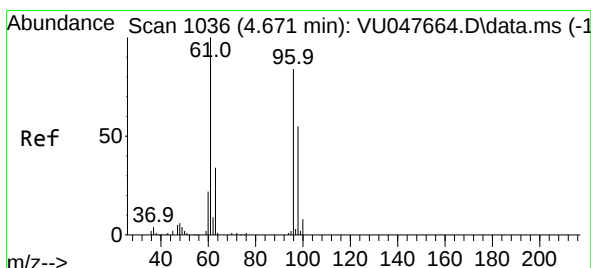
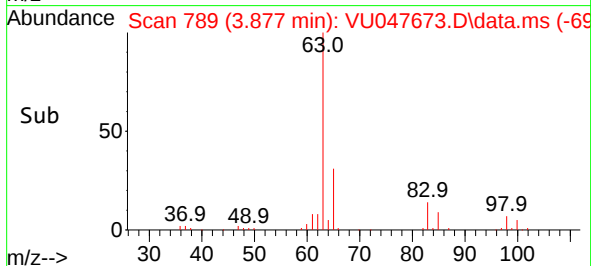
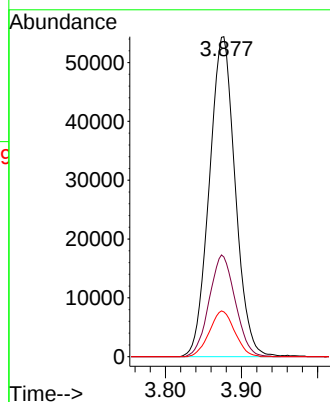
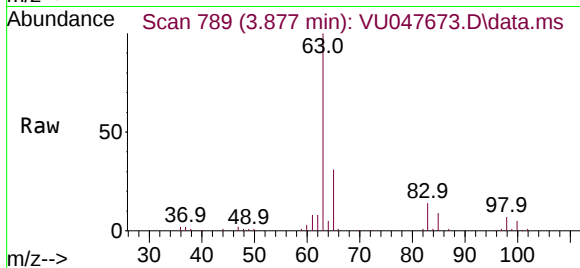
Tgt Ion: 63 Resp: 128374

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 127.228 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

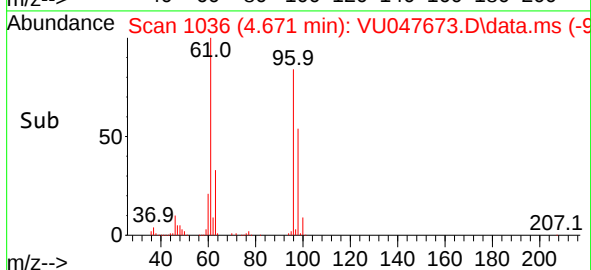
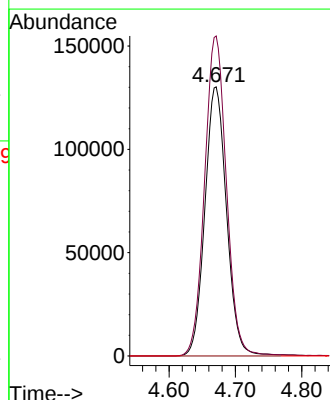
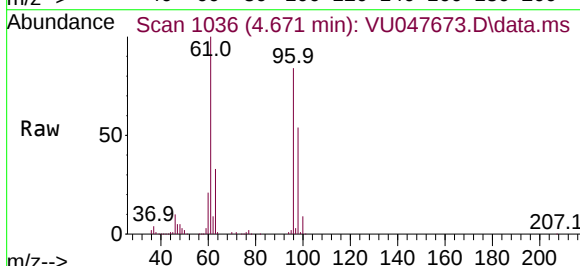
Tgt Ion: 96 Resp: 296122

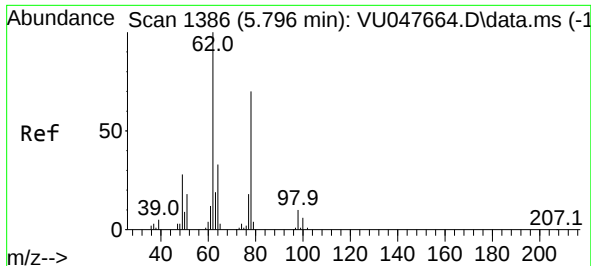
Ion Ratio Lower Upper

96 100

61 118.9 80.7 149.9

68 0.0 0.0 0.0

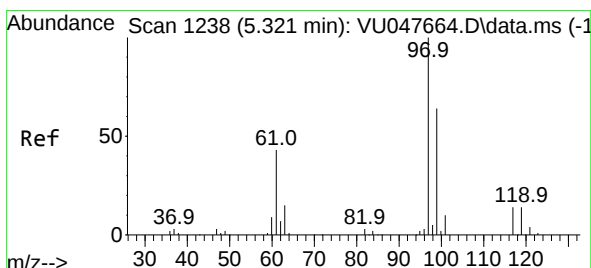
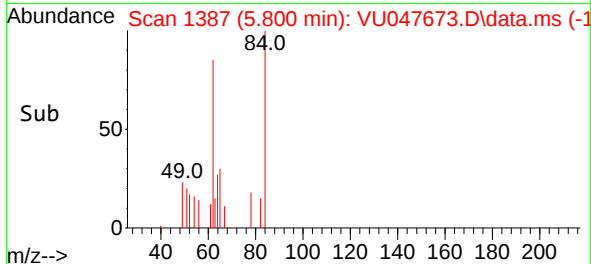
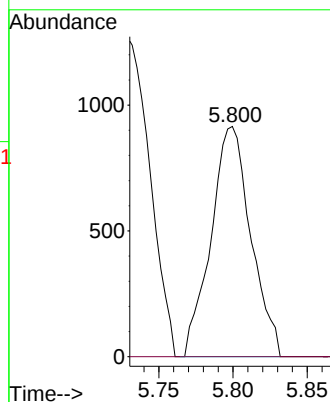
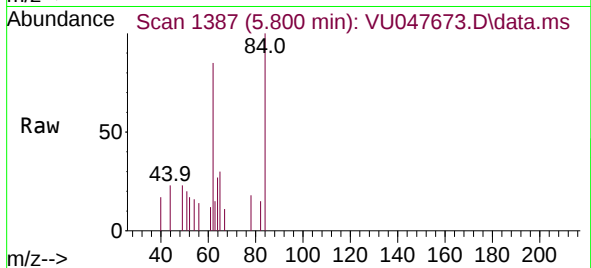




#27
1,2-Dichloroethane
Concen: 0.562 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

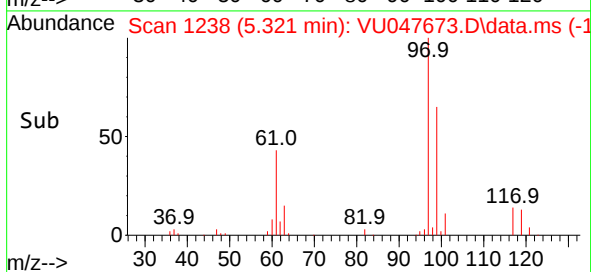
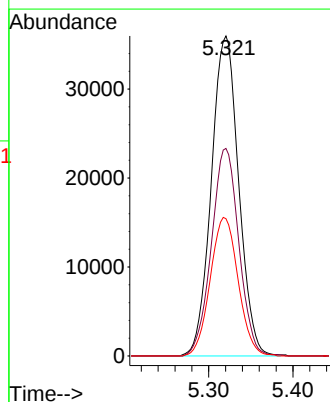
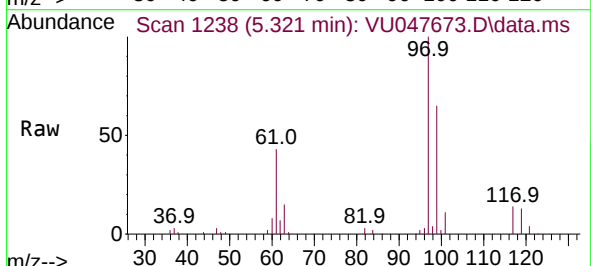
Instrument :
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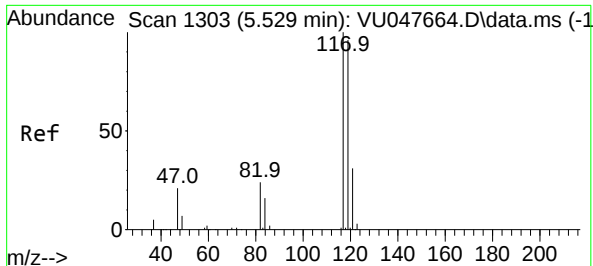
Tgt Ion: 62 Resp: 1711
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 24.212 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 97 Resp: 81223
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 44.1 34.2 51.4

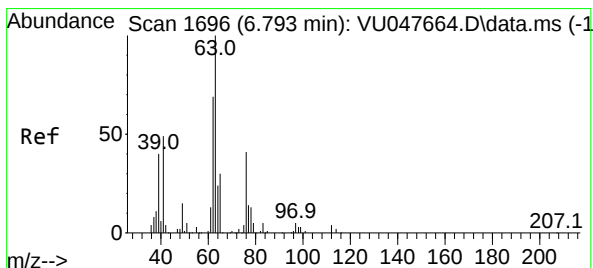
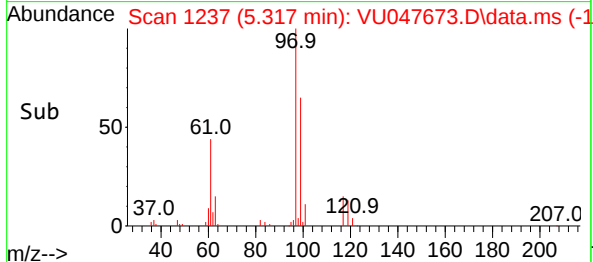
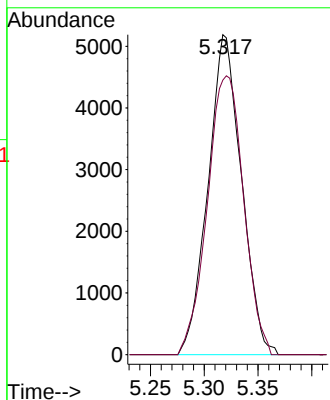
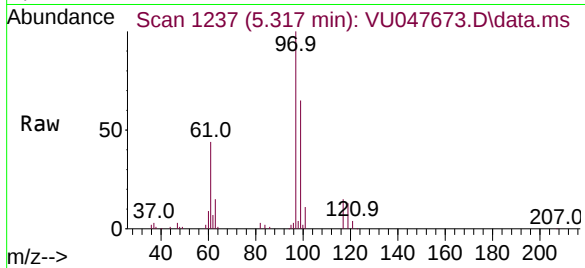




#31
Carbon tetrachloride
Concen: 3.699 ug/L
RT: 5.317 min Scan# 111
Delta R.T. -0.212 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

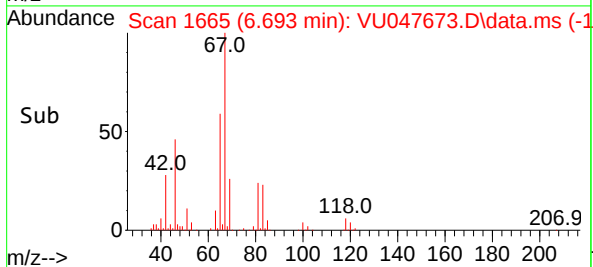
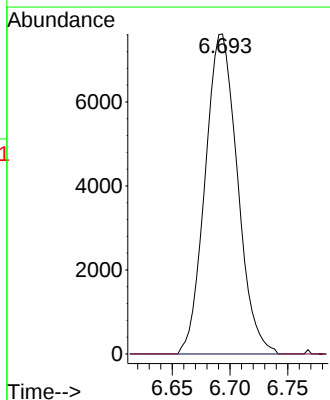
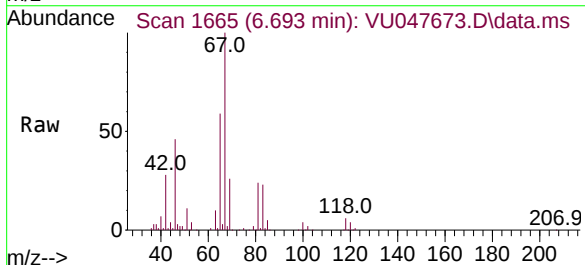
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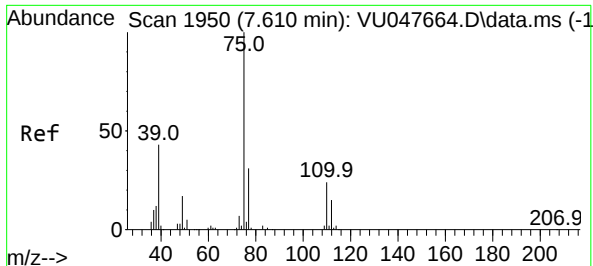
Tgt Ion:117 Resp: 11205
Ion Ratio Lower Upper
117 100
119 94.6 77.2 115.8



#37
1,2-Dichloropropane
Concen: 6.810 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 63 Resp: 14825
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 1.198 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

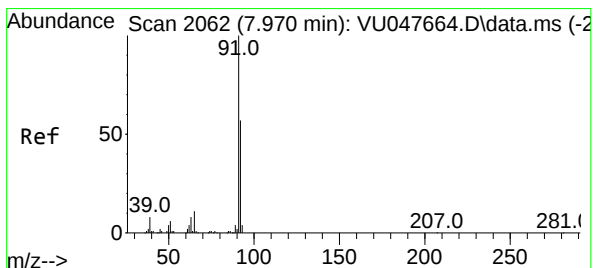
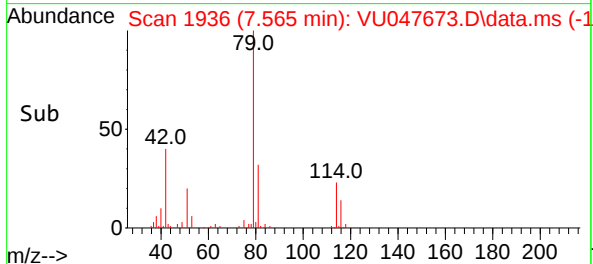
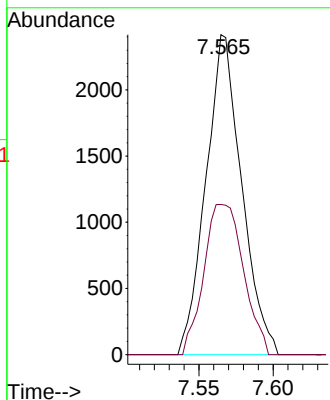
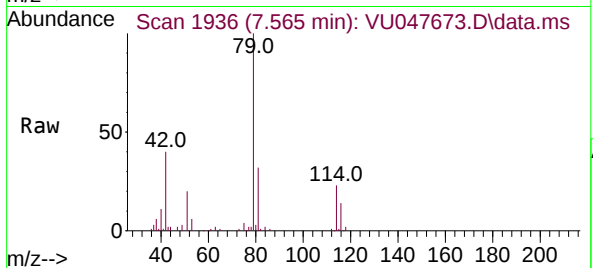
EW5X7DL

Tgt Ion: 75 Resp: 4045

Ion Ratio Lower Upper

75 100

77 46.9 21.8 40.6#



#42

Toluene

Concen: 2.528 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047673.D

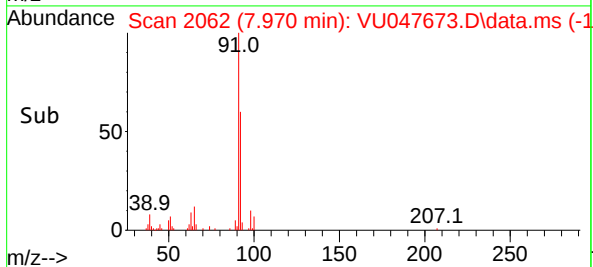
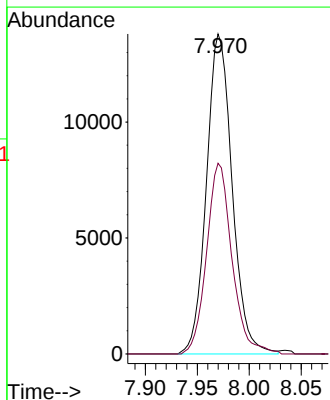
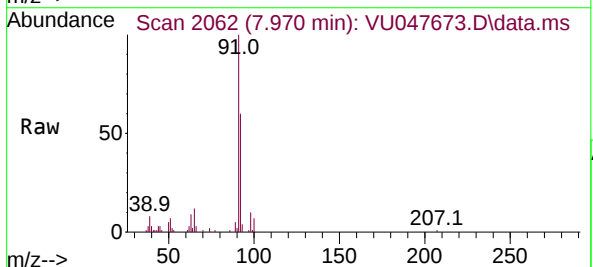
Acq: 25 Mar 2022 15:07

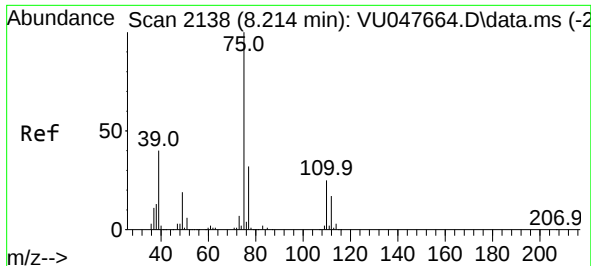
Tgt Ion: 91 Resp: 23749

Ion Ratio Lower Upper

91 100

92 59.6 40.4 75.0

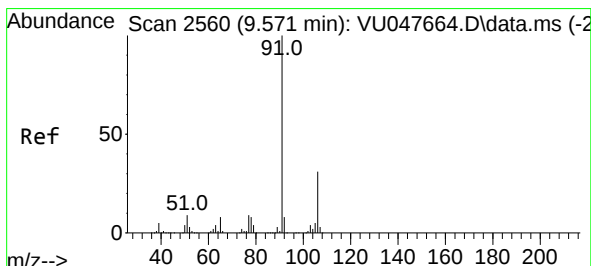
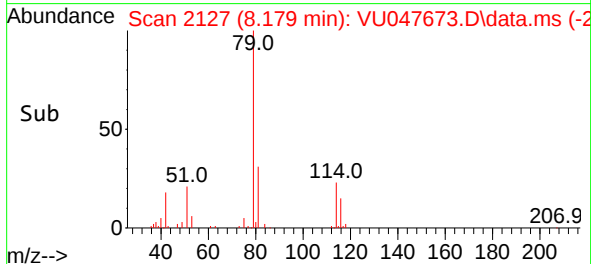
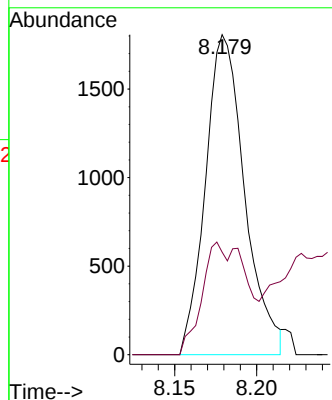
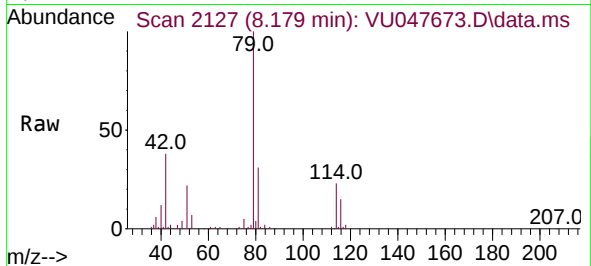




#44
trans-1,3-Dichloropropene
Concen: 0.888 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

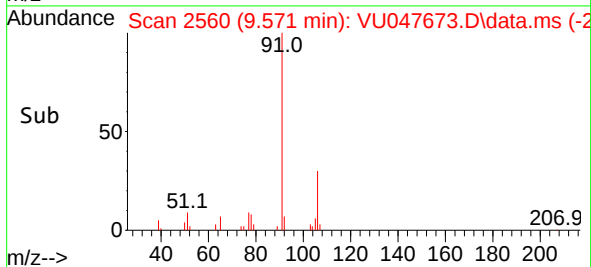
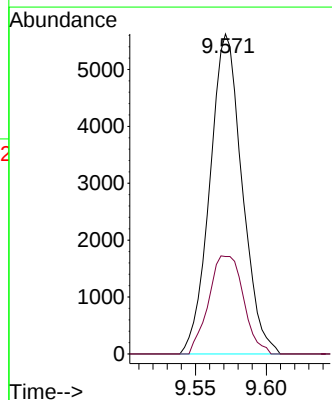
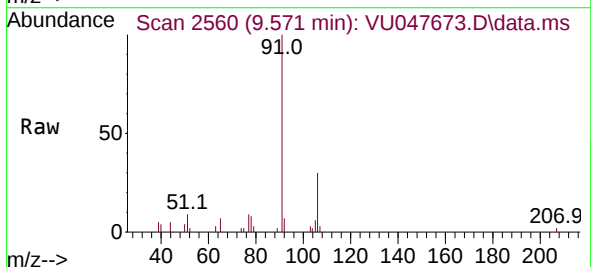
Instrument :
MSVOA_U
ClientSampleId :
EW5X7DL

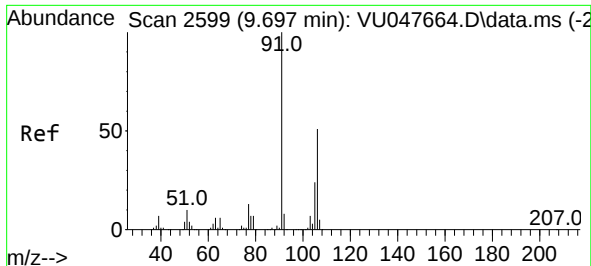
Tgt Ion: 75 Resp: 2996
Ion Ratio Lower Upper
75 100
77 32.0 22.0 40.8



#52
Ethylbenzene
Concen: 0.902 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 91 Resp: 8911
Ion Ratio Lower Upper
91 100
106 30.5 22.4 41.6

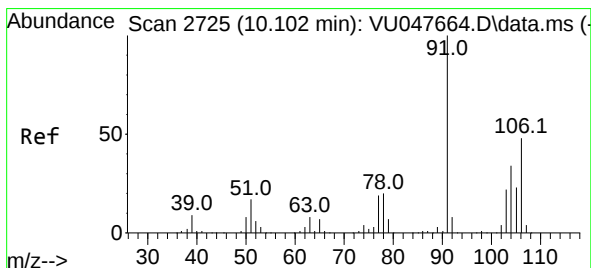
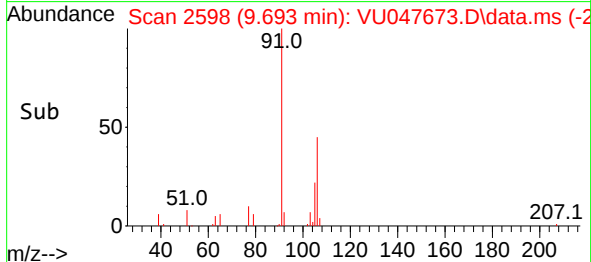
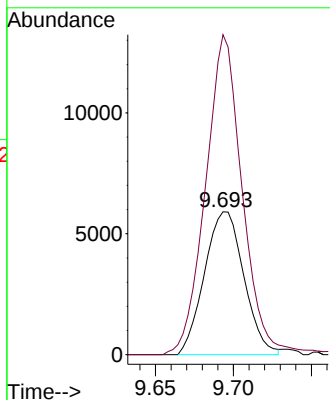
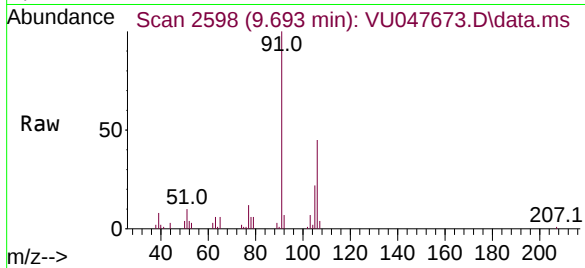




#53
m,p-Xylene
Concen: 2.682 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

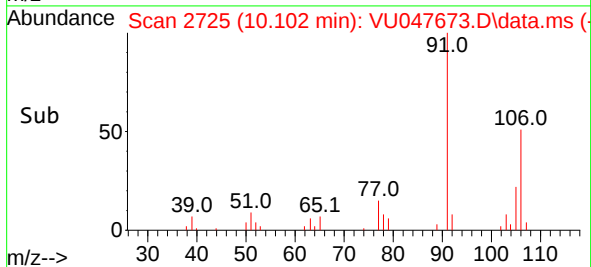
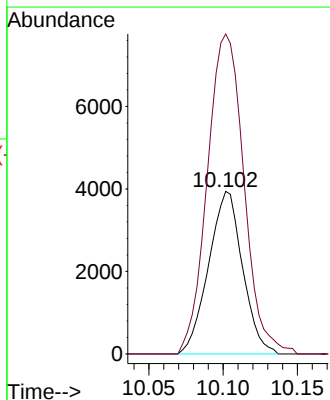
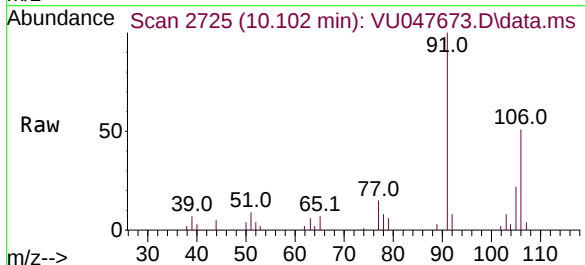
Instrument :
MSVOA_U
ClientSampleId :
EW5X7DL

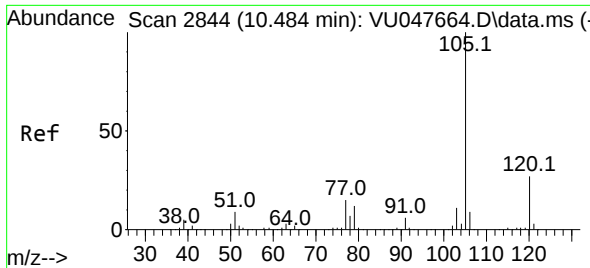
Tgt Ion:106 Resp: 10399
Ion Ratio Lower Upper
106 100
91 224.0 137.7 255.7



#54
o-Xylene
Concen: 1.646 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion:106 Resp: 6264
Ion Ratio Lower Upper
106 100
91 196.9 146.7 272.5

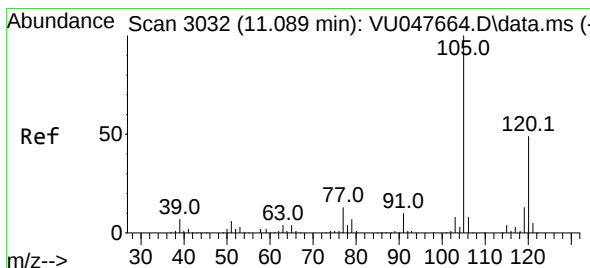
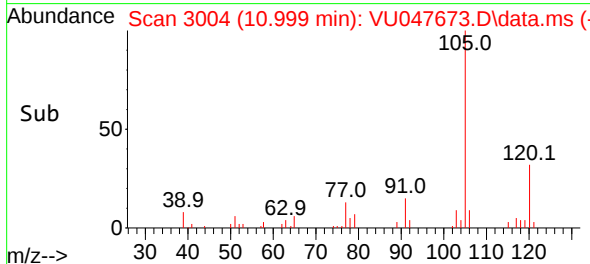
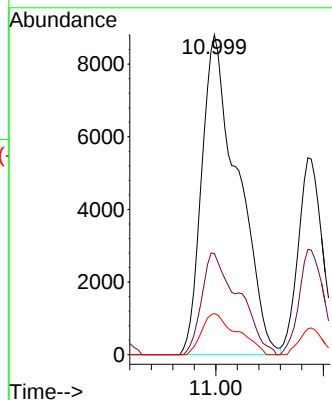
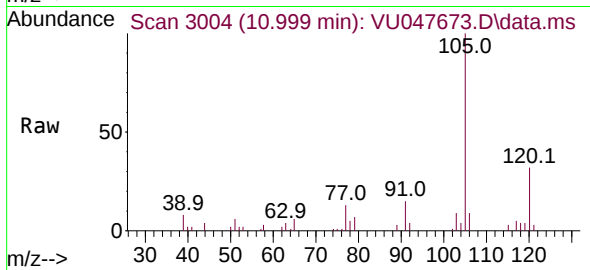




#61
Isopropylbenzene
Concen: 2.369 ug/L
RT: 10.999 min Scan# 3004
Delta R.T. 0.514 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

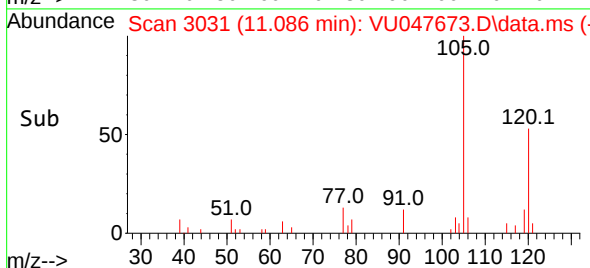
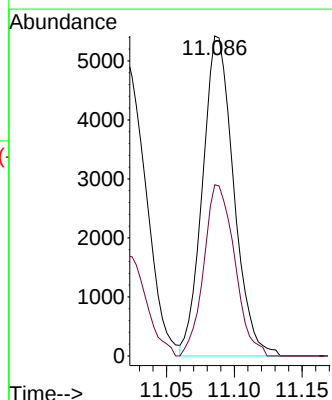
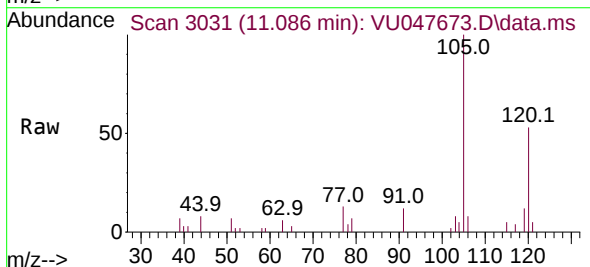
Instrument :
MSVOA_U
ClientSampleId :
EW5X7DL

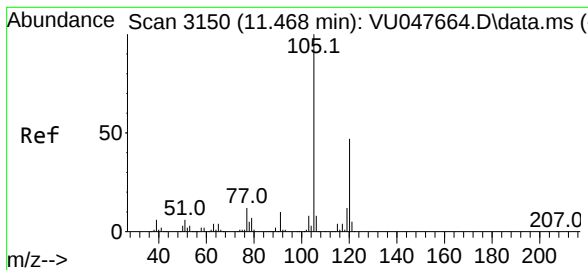
Tgt Ion:105 Resp: 20559
Ion Ratio Lower Upper
105 100
120 23.9 21.9 32.9
77 12.6 12.1 18.1



#62
1,3,5-Trimethylbenzene
Concen: 1.837 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion:105 Resp: 8652
Ion Ratio Lower Upper
105 100
120 53.0 40.8 61.2





#63
 1,2,4-Trimethylbenzene
 Concen: 5.255 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047673.D
 Acq: 25 Mar 2022 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X7DL

Tgt Ion:105 Resp: 37594
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.6 56.4

