

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038413.D
 Acq On : 30 May 2020 15:15
 Operator : JC/MD
 Sample : L2749-18DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:39:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	341490	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	339526	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166053	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119473	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.93	69	91321	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.58	63	174319	4.01	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.68	46	412710	61.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.94%
24) Chloroform-d	5.10	84	220311	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.74	65	131223	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.76	84	467718	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.72	67	143004	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.92	98	398300	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	8.20	79	59864	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
46) 2-Hexanone-d5	8.67	63	351659	63.53	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	124795	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	165066	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	3178	0.129 ug/L	92
6) Bromomethane	1.87	94	2132	0.166 ug/L	98
8) Chloroethane	1.95	64	4827	0.304 ug/L	94
13) Acetone	2.68	43	4733	1.077 ug/L	63
16) Methylene chloride	3.07	84	3879	0.163 ug/L	90
27) 1,2-Dichloroethane	5.81	62	9687	0.334 ug/L #	74
33) Benzene	5.81	78	1147238	12.117 ug/L	100
37) 1,2-Dichloropropane	6.72	63	16005	0.672 ug/L #	86
42) Toluene	7.99	91	8223	0.083 ug/L	93
48) 2-Hexanone	8.73	43	16950	1.314 ug/L	98
51) Chlorobenzene	9.47	112	482848	7.539 ug/L	99
53) m,p-Xylene	9.72	106	7217	0.170 ug/L	92
54) o-Xylene	10.12	106	16116	0.395 ug/L	98
56) Isopropylbenzene	10.50	105	58922	0.549 ug/L	100
59) 1,2,3-Trichloropropane	11.83	75	25429	1.430 ug/L #	43
63) 1,4-Dichlorobenzene	11.85	146	9700	0.196 ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	6574	0.142 ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration

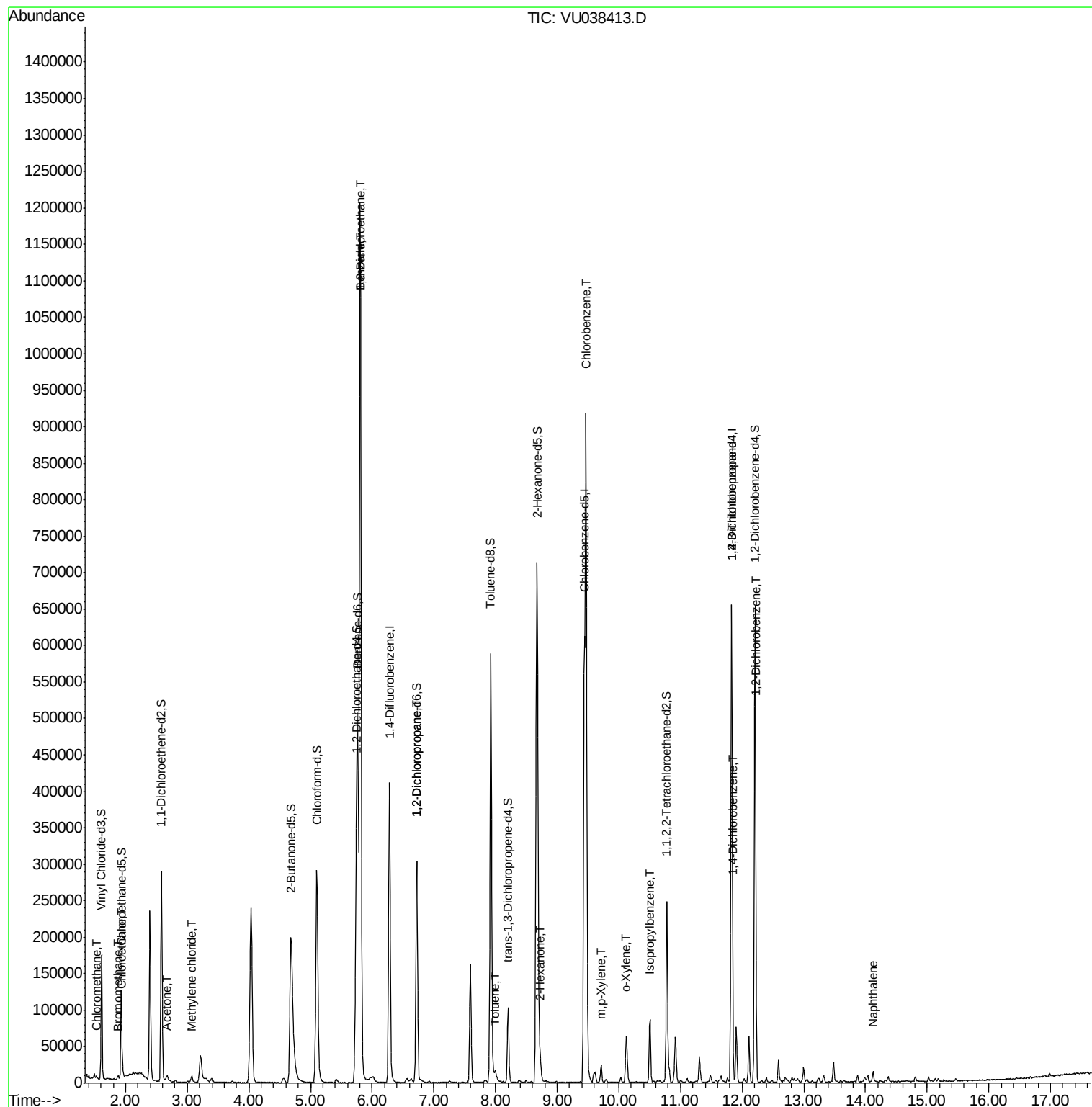
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.12	128	11522	0.172	ug/L	97

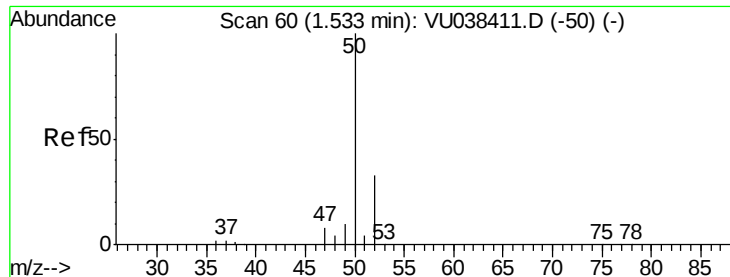
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.129 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

Instrument :

MSVOA_U

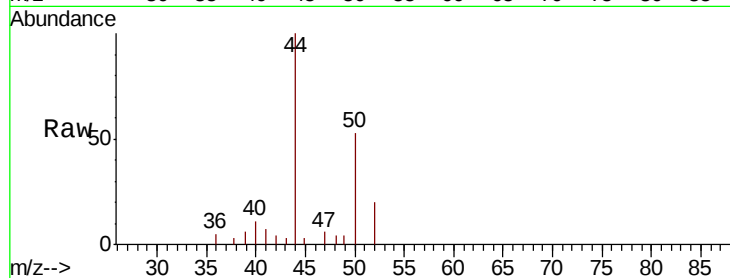
ClientSampled :

Tot Ion: 50 Resp: 3178

Ion Ratio Lower Upper

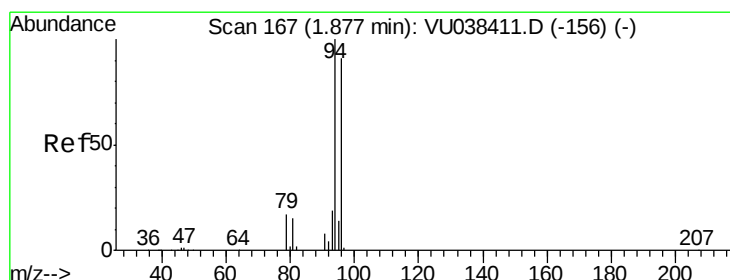
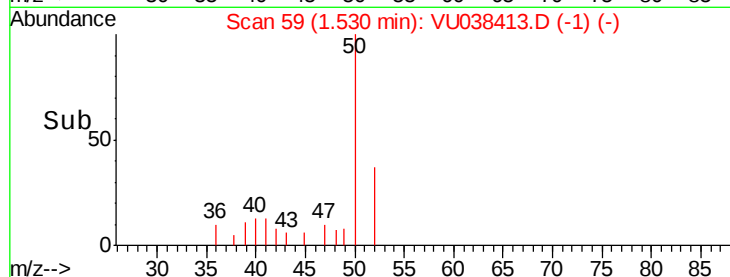
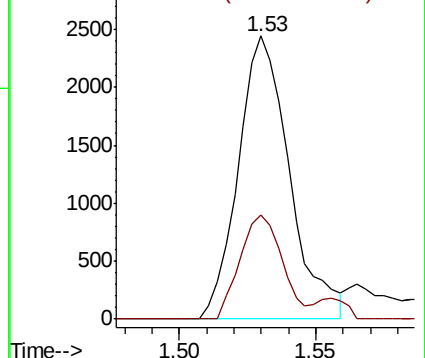
50 100

52 37.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.166 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038413.D

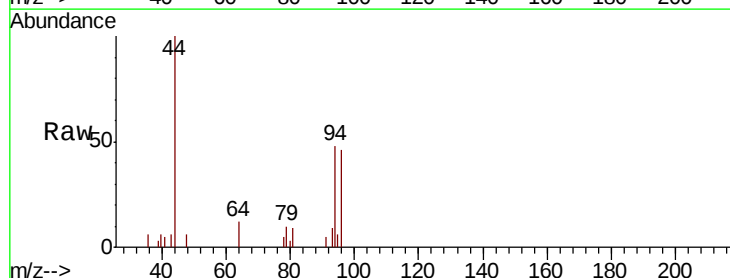
Acq: 30 May 2020 15:15

Tgt Ion: 94 Resp: 2132

Ion Ratio Lower Upper

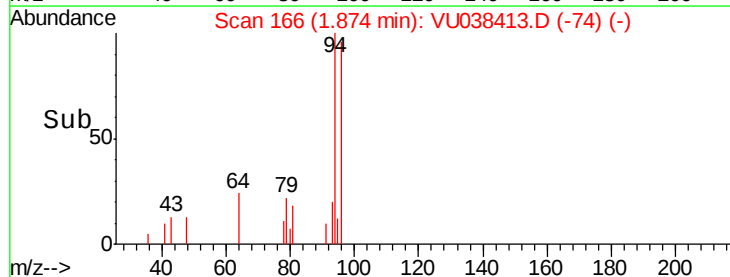
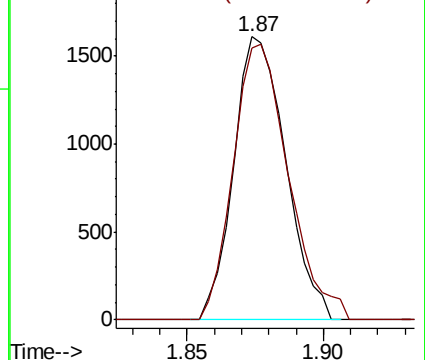
94 100

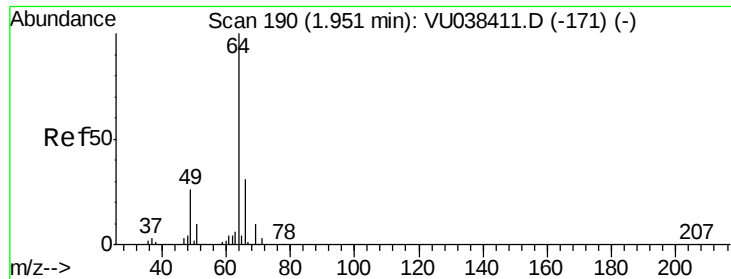
96 95.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

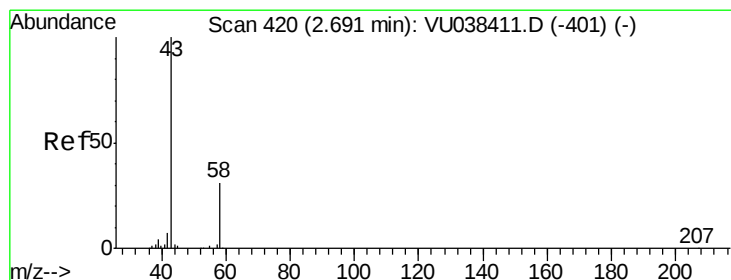
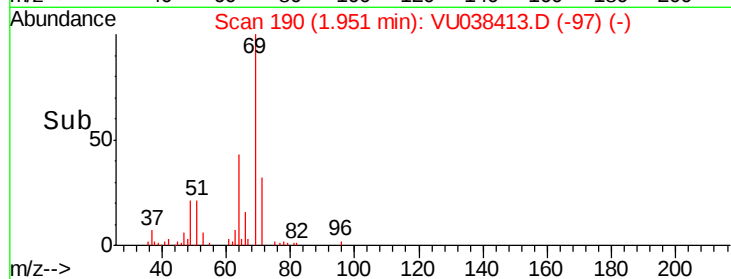
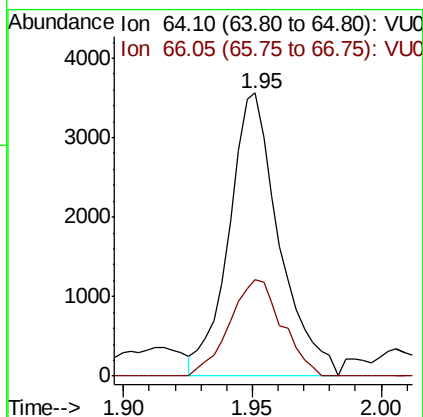
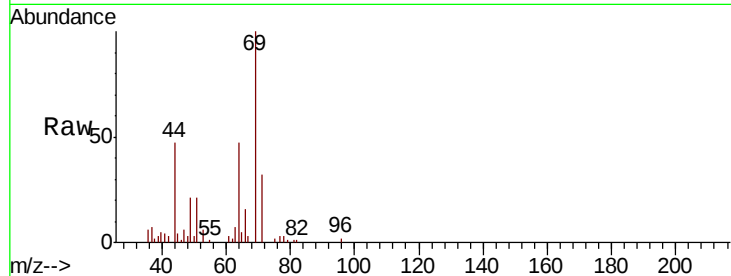




#8
Chloroethane
Concen: 0.304 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

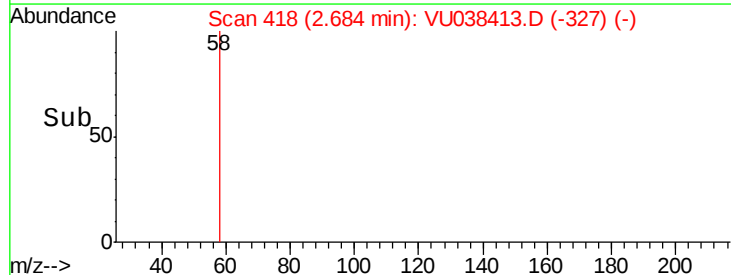
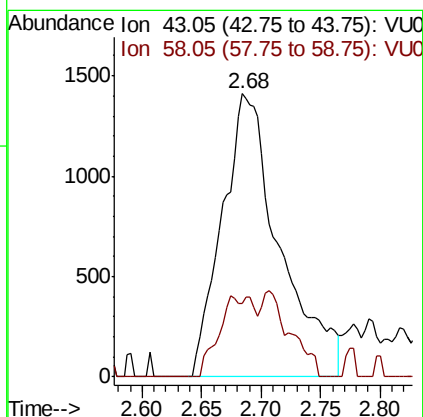
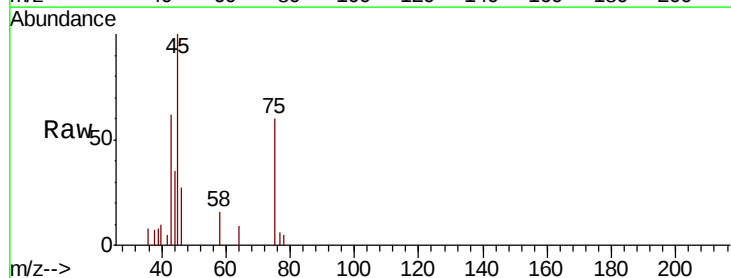
Instrument :
MSVOA_U
ClientSampleId :

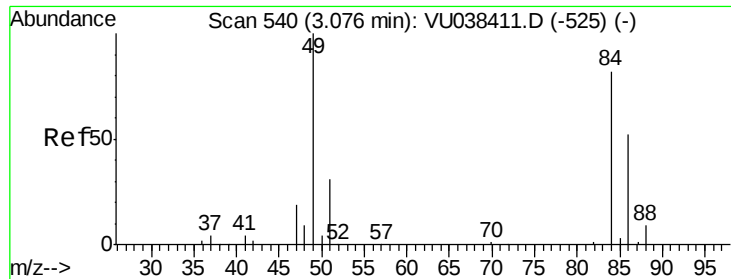
Tot Ion: 64 Resp: 4827
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9



#13
Acetone
Concen: 1.077 ug/L
RT: 2.68 min Scan# 418
Delta R.T. -0.01 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Tgt Ion: 43 Resp: 4733
Ion Ratio Lower Upper
43 100
58 11.8 0.0 65.6

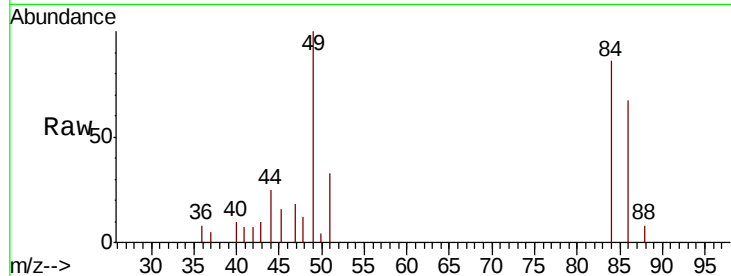




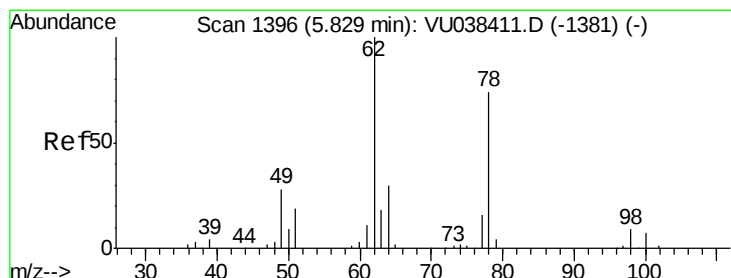
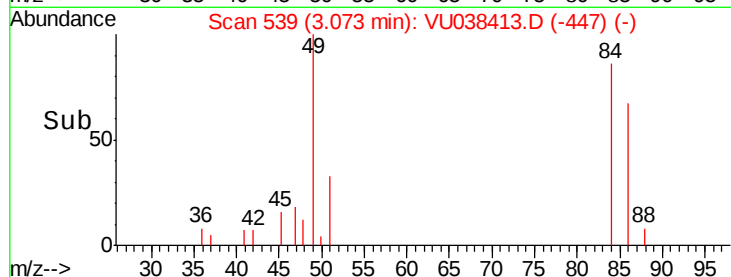
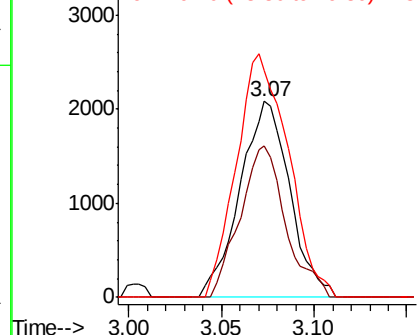
#16
Methylene chloride
Concen: 0.163 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 3879
Ion Ratio Lower Upper
84 100
86 77.5 45.0 83.6
49 115.7 85.5 158.9

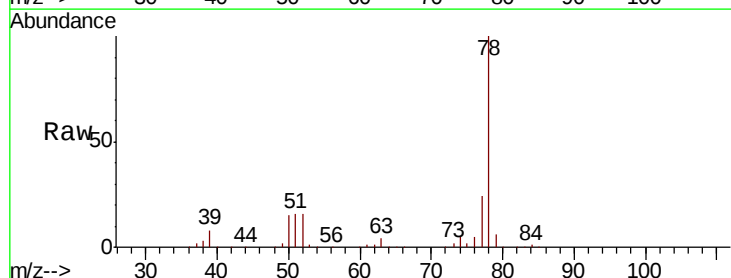


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

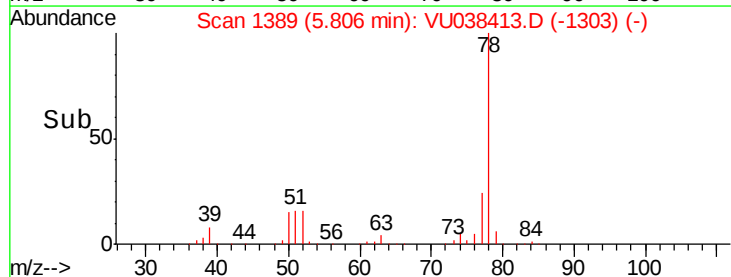
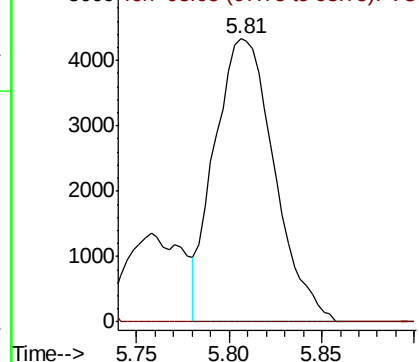


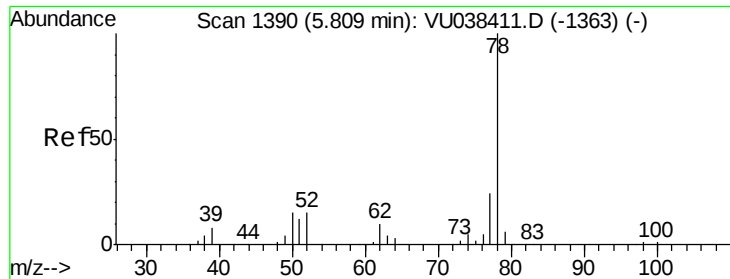
#27
1,2-Dichloroethane
Concen: 0.334 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Tgt Ion: 62 Resp: 9687
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

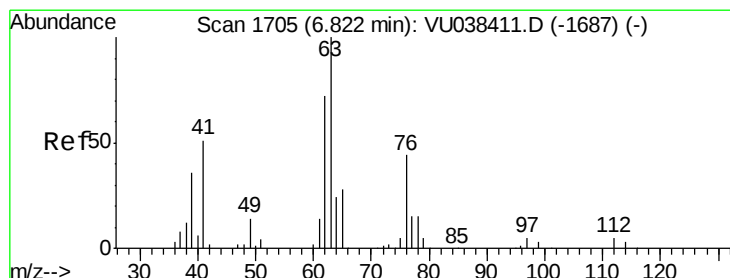
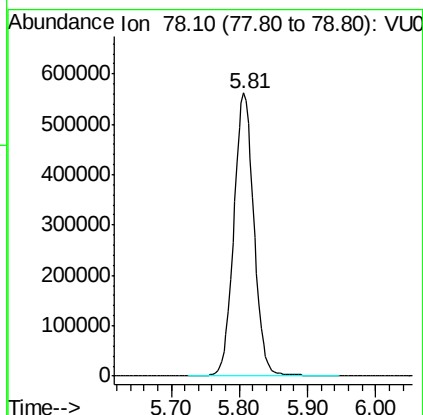
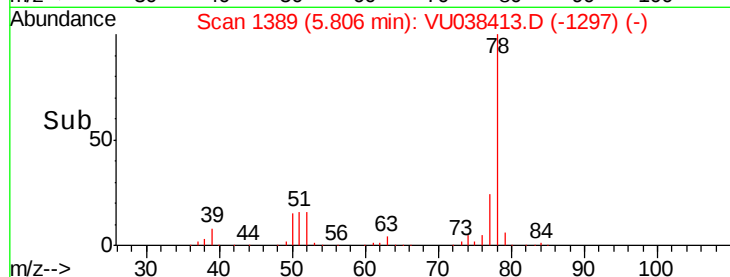
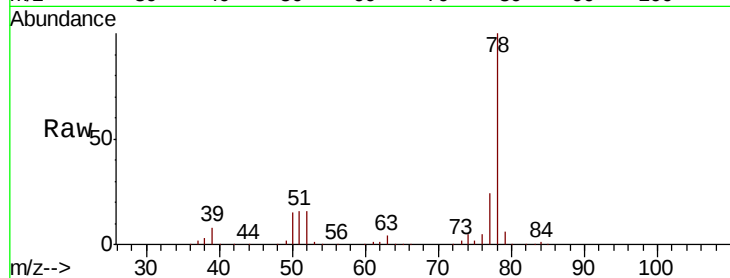




#33
Benzene
Concen: 12.117 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

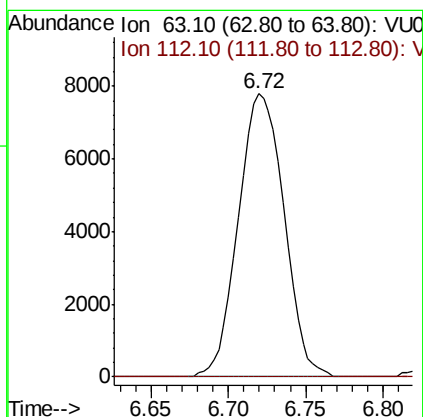
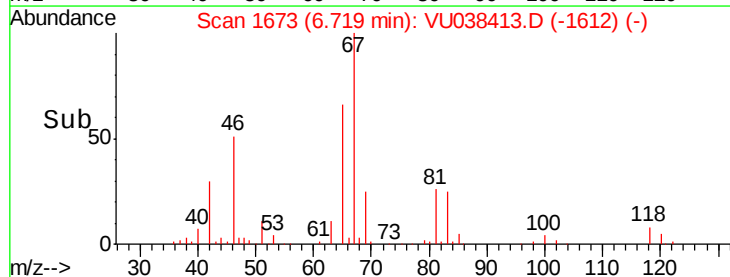
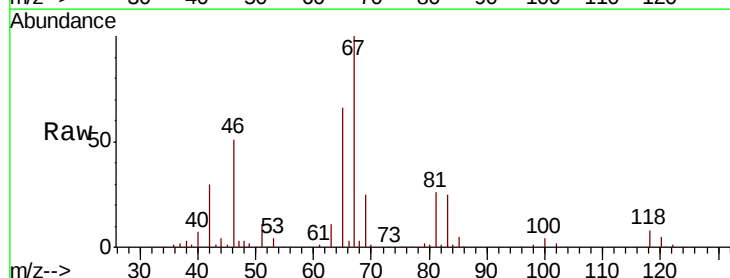
Instrument :
MSVOA_U
ClientSampled :

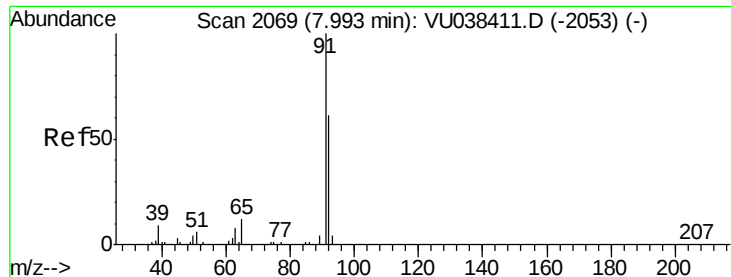
Tgt Ion: 78 Resp: 1147238



#37
1,2-Dichloropropane
Concen: 0.672 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Tgt Ion: 63 Resp: 16005
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#42

Toluene

Concen: 0.083 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

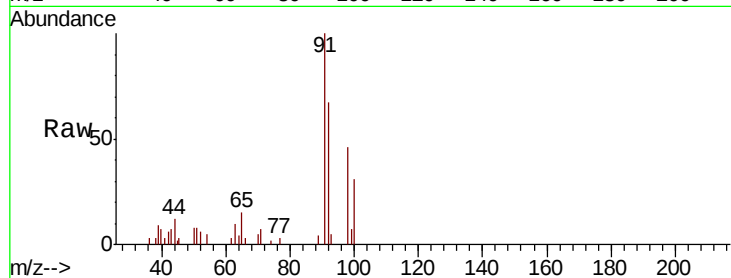
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 8223

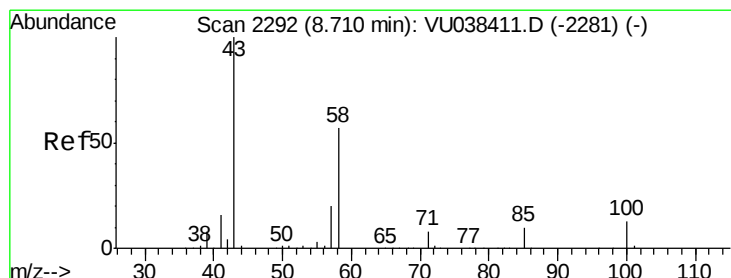
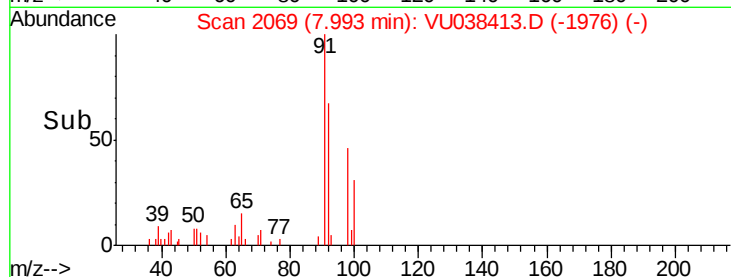
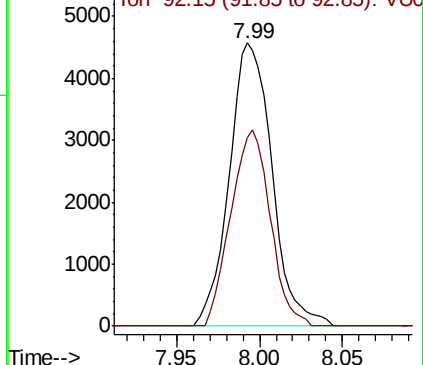
Ion Ratio Lower Upper

91 100

92 66.7 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 1.314 ug/L

RT: 8.73 min Scan# 2297

Delta R.T. 0.02 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

Tgt Ion: 43 Resp: 16950

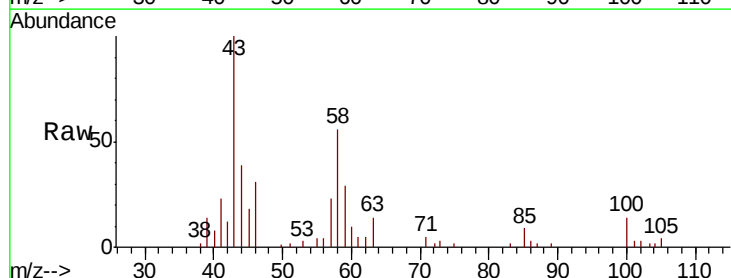
Ion Ratio Lower Upper

43 100

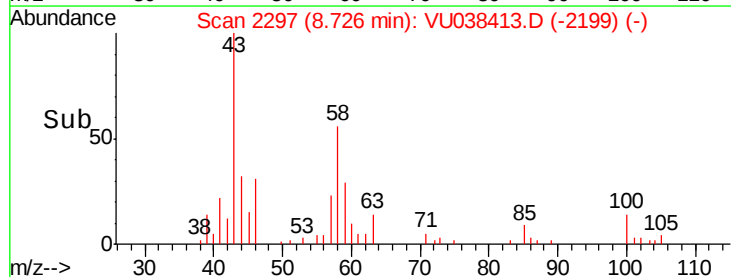
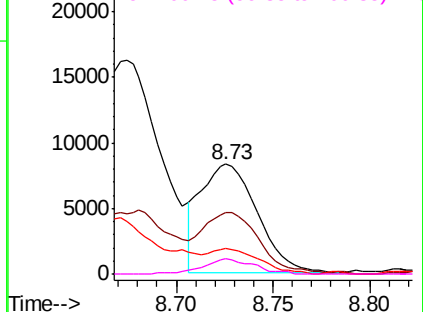
58 54.7 45.4 68.0

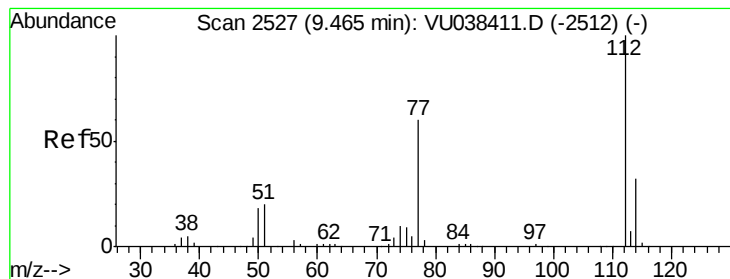
57 20.8 15.9 23.9

100 13.0 10.5 15.7



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#51

Chlorobenzene

Concen: 7.539 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

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MSVOA_U

ClientSampleId :

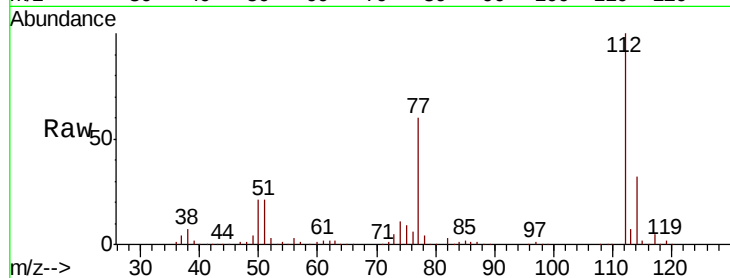
Tot Ion:112 Resp: 482848

Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

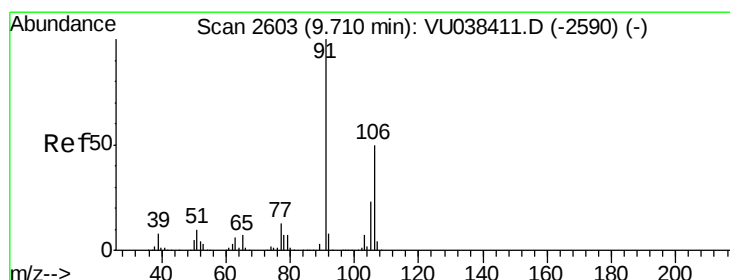
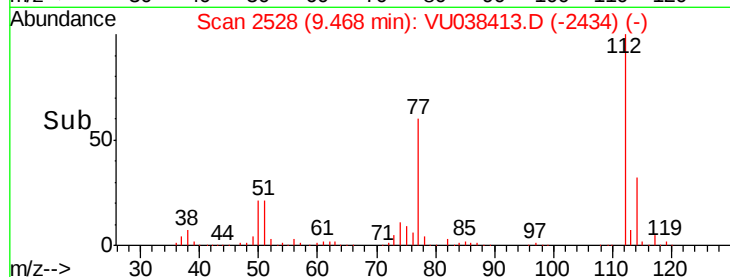
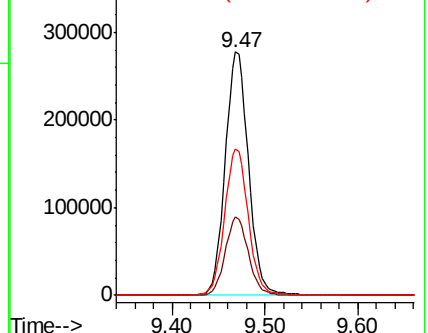
77 60.2 47.1 70.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#53

m,p-Xylene

Concen: 0.170 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.01 min

Lab File: VU038413.D

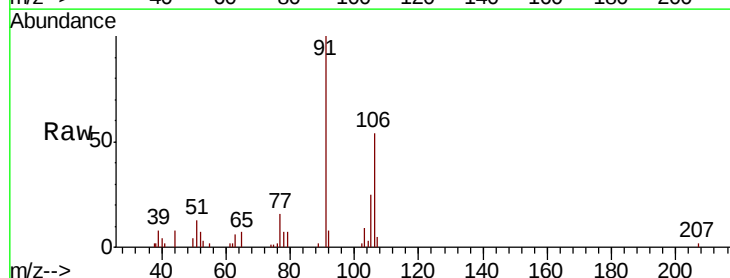
Acq: 30 May 2020 15:15

Tgt Ion:106 Resp: 7217

Ion Ratio Lower Upper

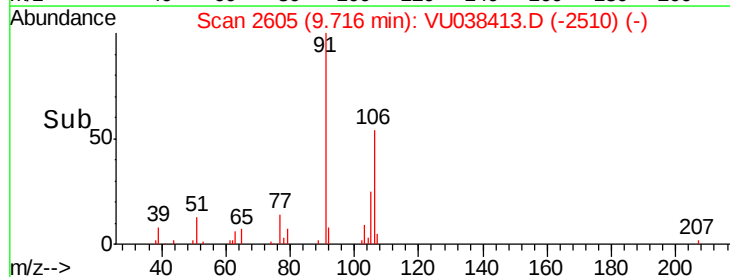
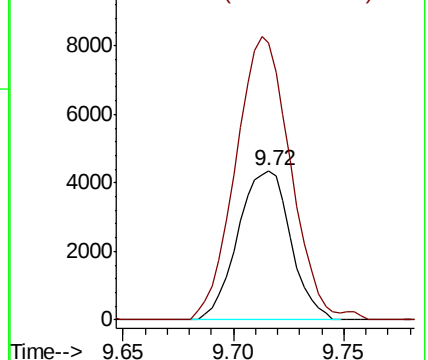
106 100

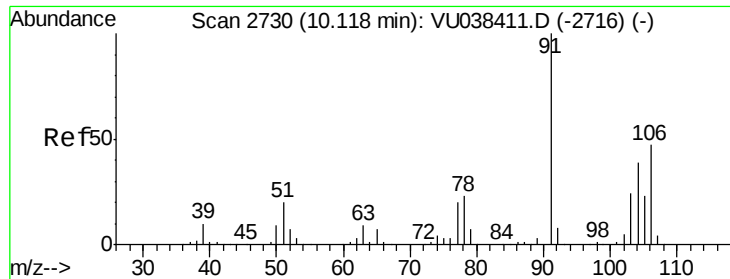
91 185.2 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

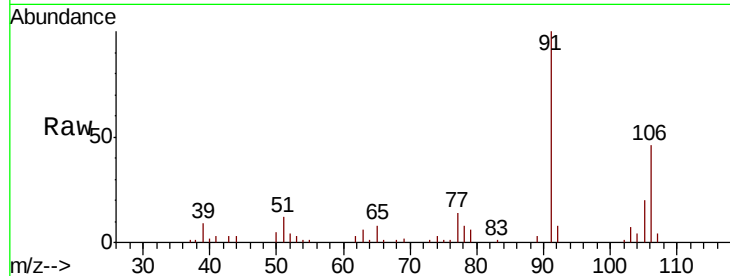




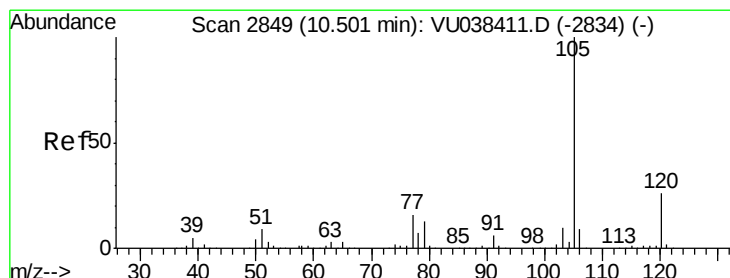
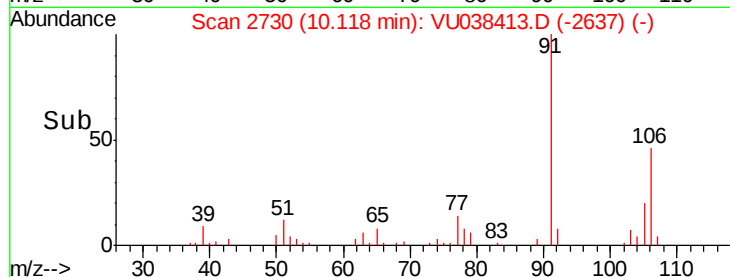
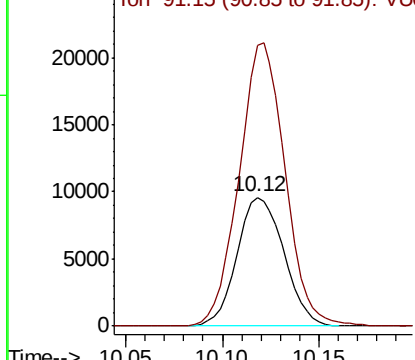
#54
o-Xylene
Concen: 0.395 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 16116
Ion Ratio Lower Upper
106 100
91 217.7 150.6 279.8

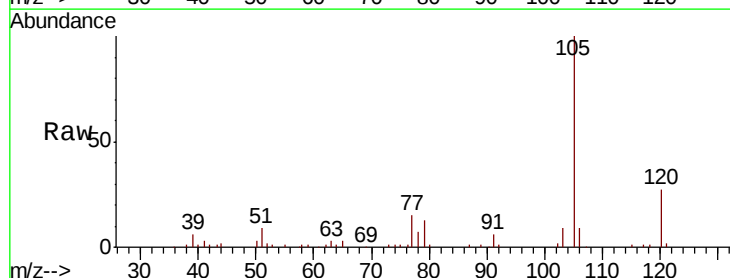


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

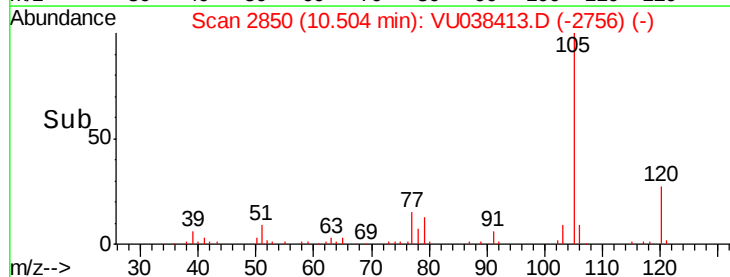
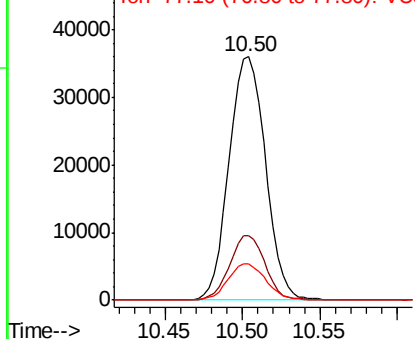


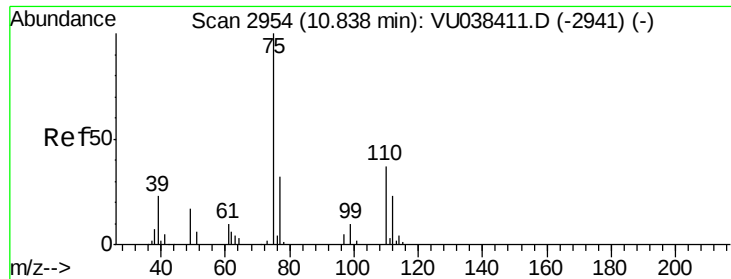
#56
Isopropylbenzene
Concen: 0.549 ug/L
RT: 10.50 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VU038413.D
Acq: 30 May 2020 15:15

Tgt Ion:105 Resp: 58922
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.5 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

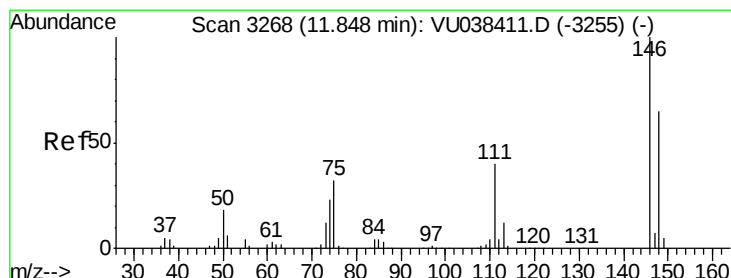
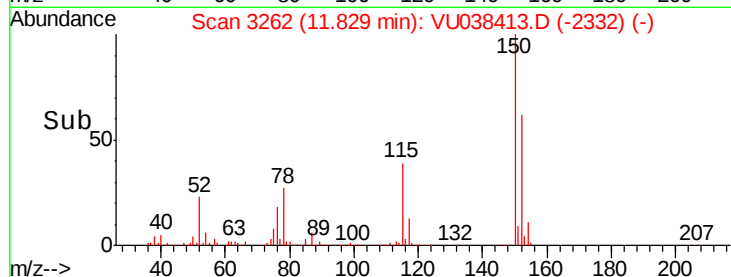
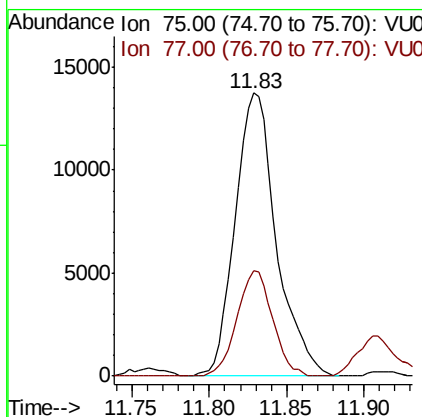
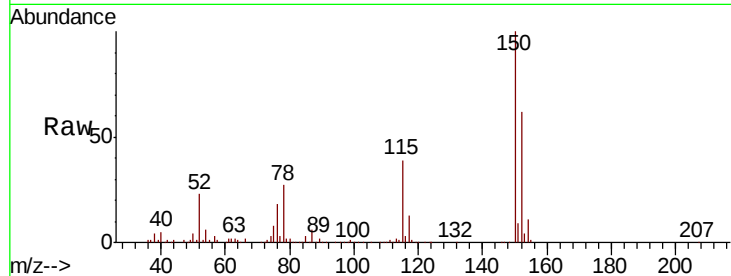




#59
 1,2,3-Trichloropropane
 Concen: 1.430 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU038413.D
 Acq: 30 May 2020 15:15

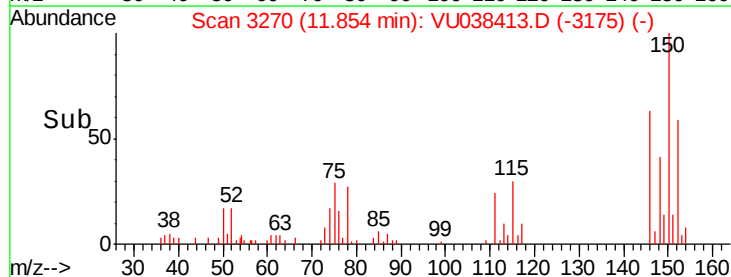
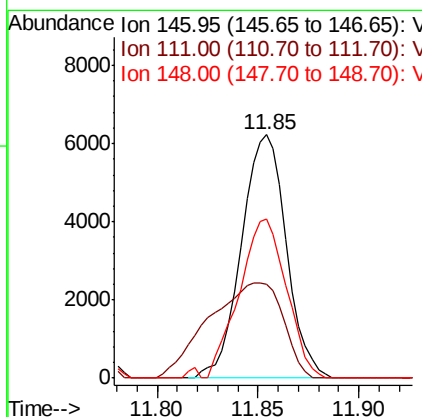
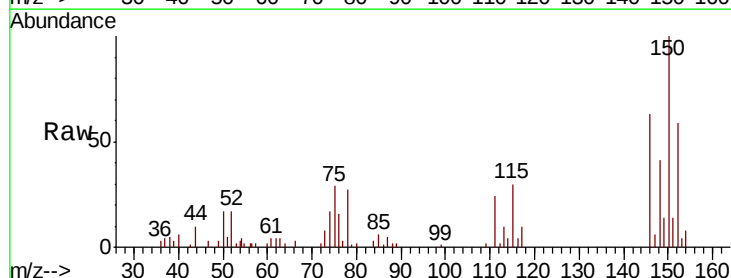
Instrument :
 MSVOA_U
 ClientSampleId :

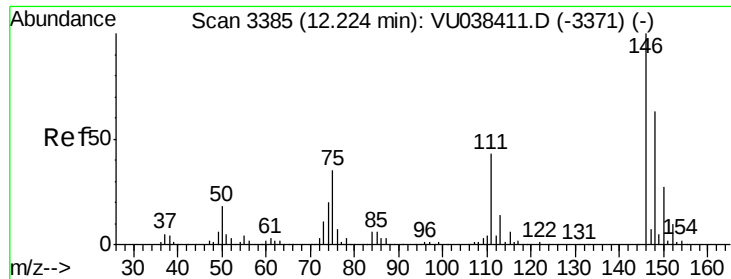
Tot Ion: 75 Resp: 25429
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#63
 1,4-Dichlorobenzene
 Concen: 0.196 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.01 min
 Lab File: VU038413.D
 Acq: 30 May 2020 15:15

Tgt Ion: 146 Resp: 9700
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.6 51.2
 148 65.3 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 0.142 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

Instrument :

MSVOA_U

ClientSampleId :

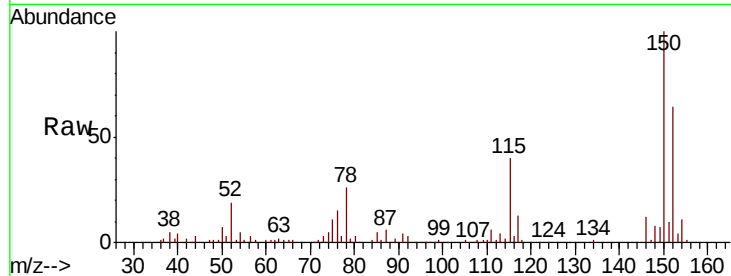
Tot Ion:146 Resp: 6574

Ion Ratio Lower Upper

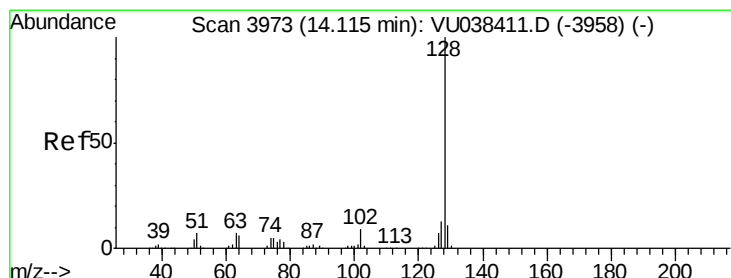
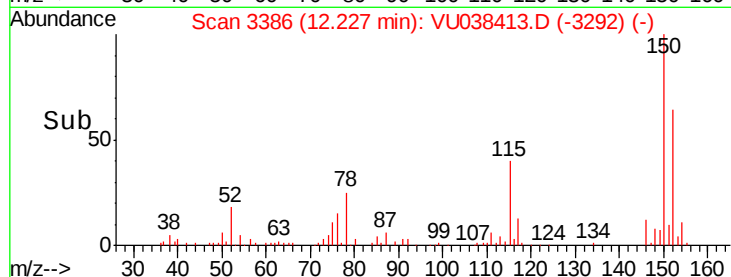
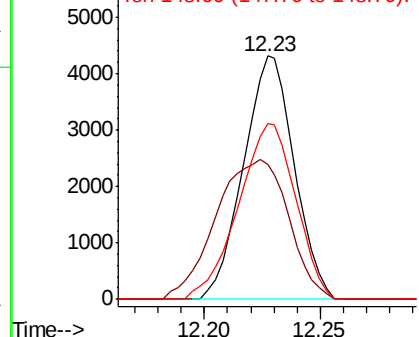
146 100

111 55.2 35.1 52.7#

148 72.2 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.172 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038413.D

Acq: 30 May 2020 15:15

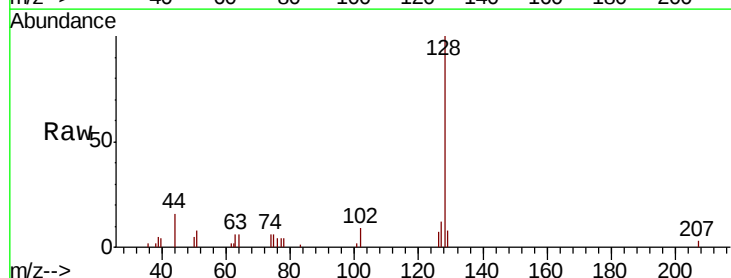
Tgt Ion:128 Resp: 11522

Ion Ratio Lower Upper

128 100

129 9.7 8.9 13.3

127 11.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

