

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038542.D
 Acq On : 04 Jun 2020 11:39
 Operator : SY/MD
 Sample : L2662-06 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9B10

Quant Time: Jun 05 01:13:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 05 01:11:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	355977	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	352475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	188864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91780	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.93	69	67121	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.58	63	140409	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.68	46	357610	51.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.20%
24) Chloroform-d	5.10	84	191046	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	109694	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.76	84	389709	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.72	67	121605	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.92	98	334448	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.20	79	50261	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.67	63	299533	52.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110565	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	149864	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3332	0.129	ug/L	96
5) Vinyl chloride	1.62	62	500564	18.132	ug/L	99
6) Bromomethane	1.88	94	1538	0.115	ug/L	91
12) 1,1-Dichloroethene	2.60	96	10867	0.496	ug/L #	1
13) Acetone	2.68	43	11804	2.577	ug/L	76
16) Methylene chloride	3.07	84	6282	0.253	ug/L	80
18) trans-1,2-Dichloroethene	3.38	96	18019	0.763	ug/L	97
21) 2-Butanone	4.77	43	10562	1.371	ug/L #	67
22) cis-1,2-Dichloroethene	4.70	96	3151022	123.861	ug/L	97
27) 1,2-Dichloroethane	5.83	62	7064	0.234	ug/L #	89
33) Benzene	5.81	78	126026	1.282	ug/L	100
42) Toluene	7.99	91	211389	2.050	ug/L	97
48) 2-Hexanone	8.72	43	22208	1.658	ug/L #	39
52) Ethylbenzene	9.59	91	128264	1.118	ug/L	97
53) m,p-Xylene	9.71	106	63796	1.446	ug/L	98
54) o-Xylene	10.12	106	39688	0.937	ug/L	98
55) Styrene	10.13	104	7718	0.107	ug/L #	40

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 05 01:11:12 2020
Response via : Initial Calibration

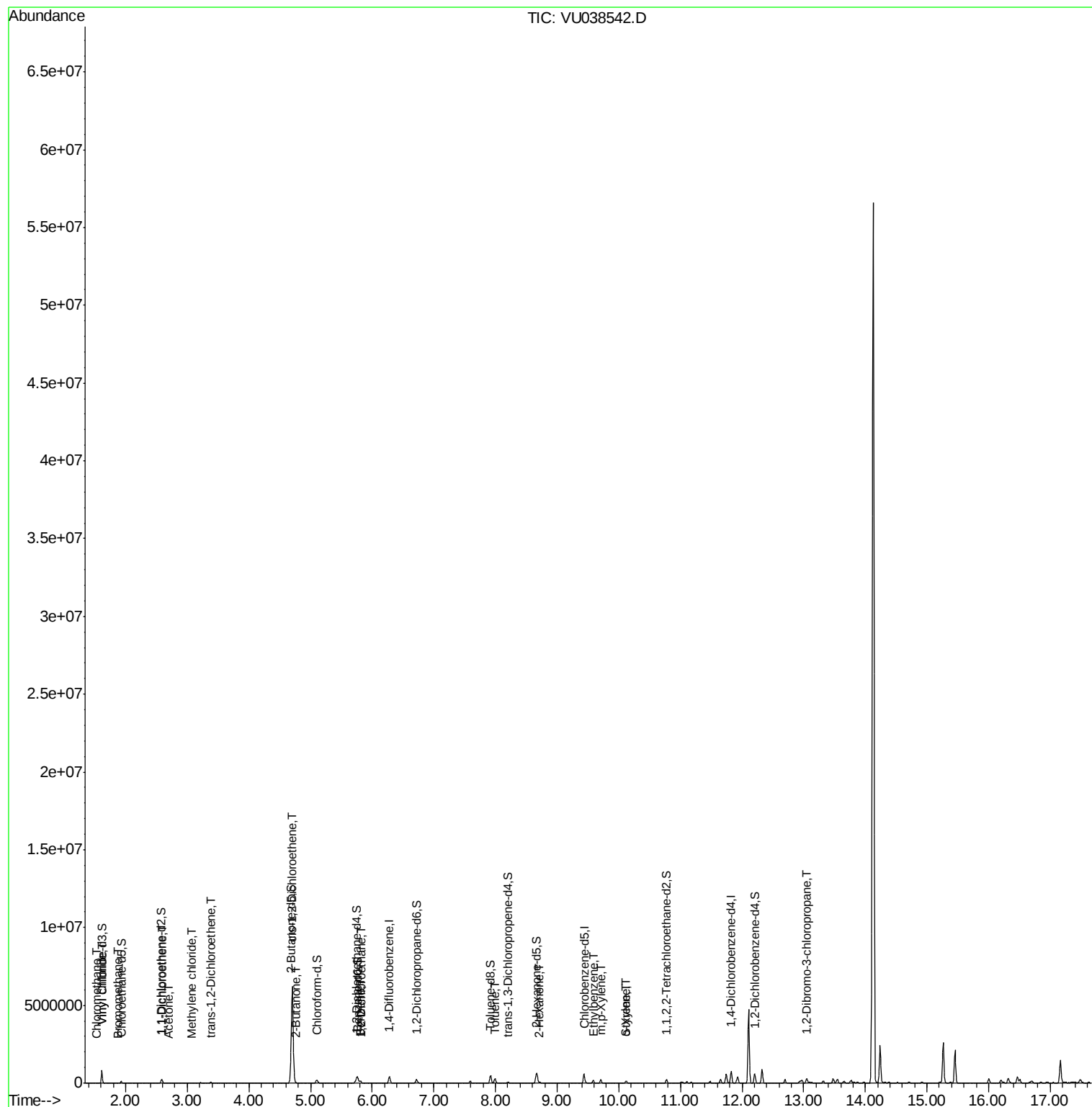
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	13.05	75	6632	1.555	ug/L #	5

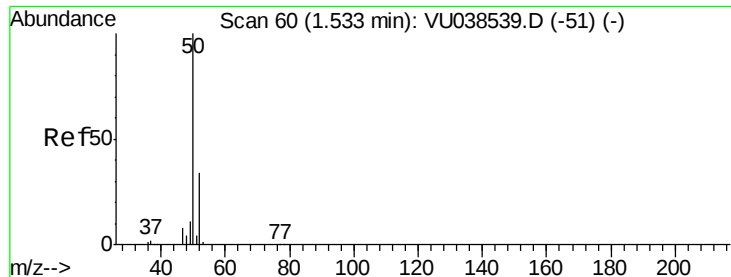
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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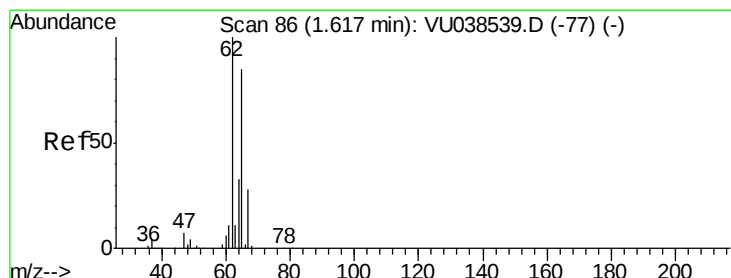
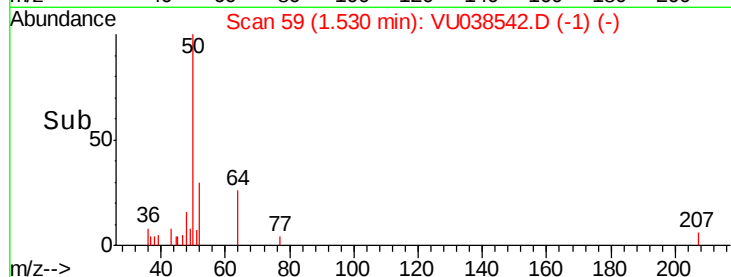
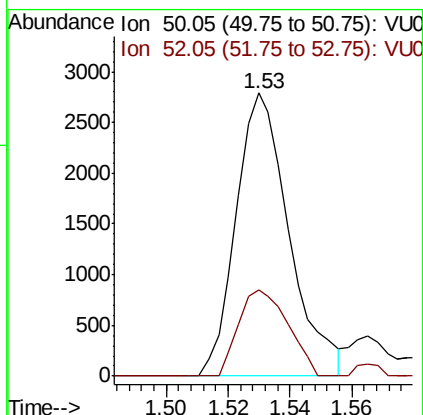
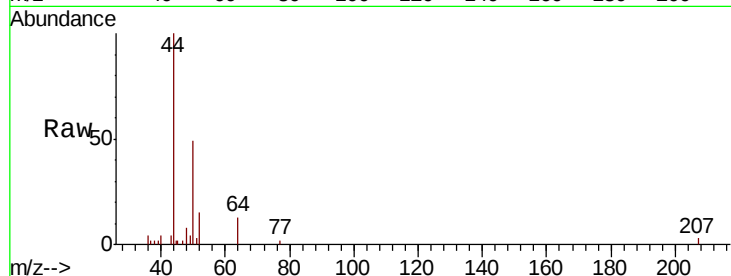




#3
Chloromethane
Concen: 0.129 ug/L
RT: 1.53 min Scan# 59
Delta R.T. -0.00 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

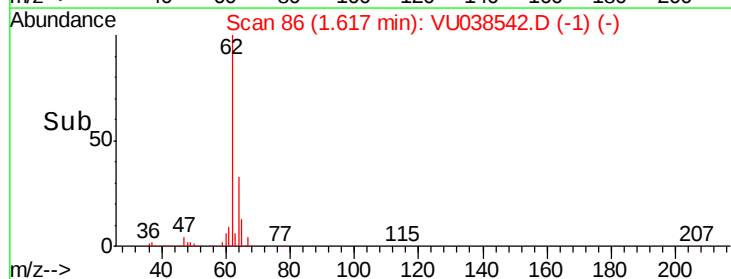
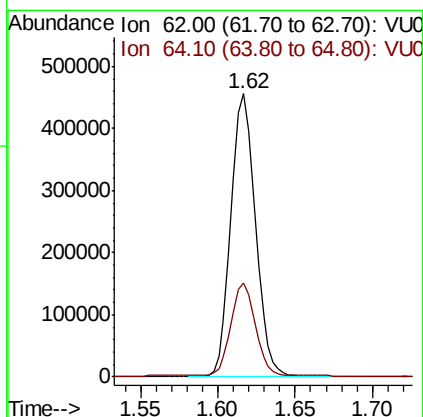
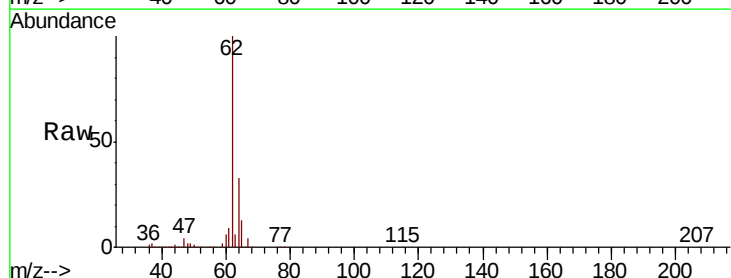
Instrument :
MSVOA_U
ClientSampleId :
F9B10

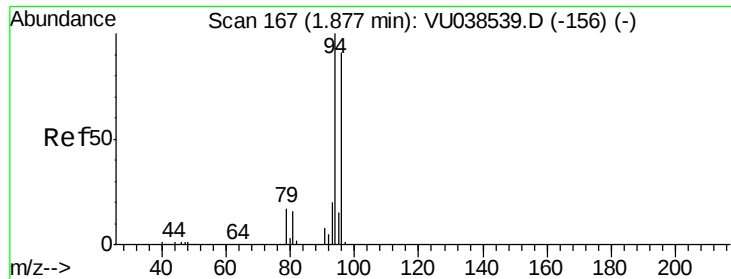
Tot Ion: 50 Resp: 3332
Ion Ratio Lower Upper
50 100
52 30.4 22.9 42.5



#5
Vinyl chloride
Concen: 18.132 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Tgt Ion: 62 Resp: 500564
Ion Ratio Lower Upper
62 100
64 33.1 23.7 43.9

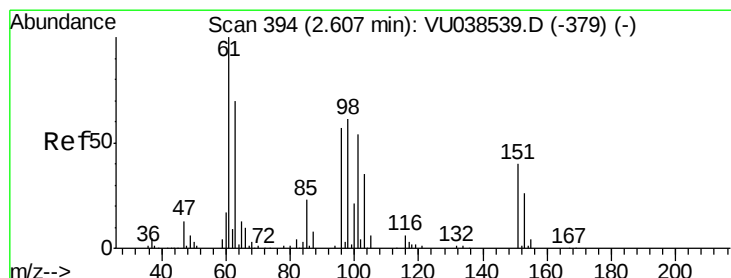
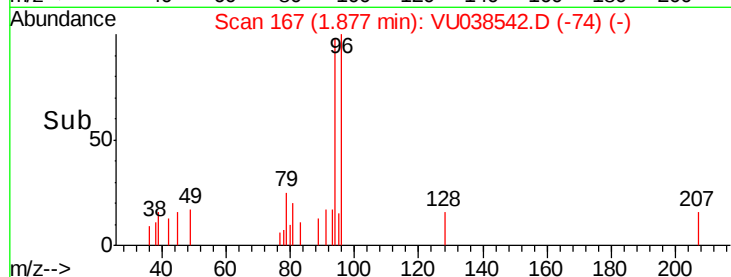
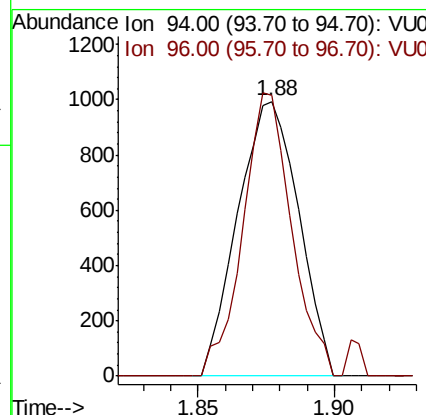
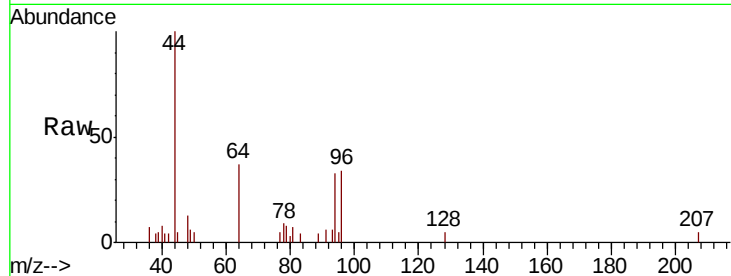




#6
Bromomethane
Concen: 0.115 ug/L
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

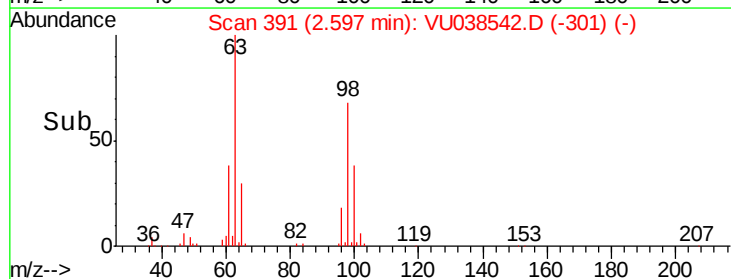
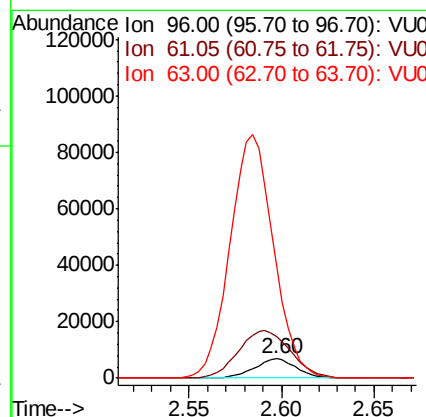
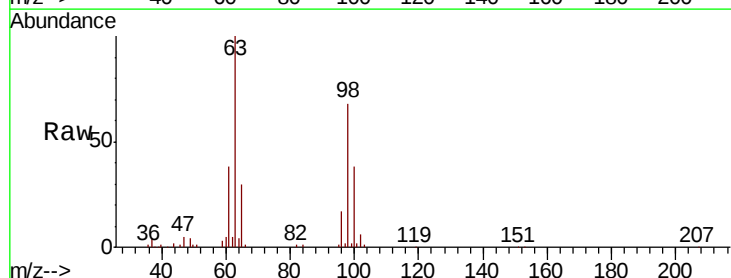
Instrument :
MSVOA_U
ClientSampleId :
F9B10

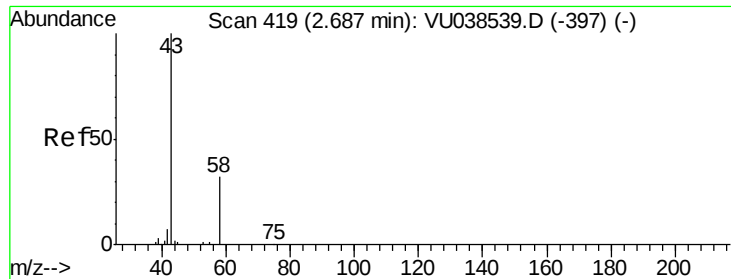
Tot Ion: 94 Resp: 1538
Ion Ratio Lower Upper
94 100
96 102.3 65.5 121.6



#12
1,1-Dichloroethene
Concen: 0.496 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Tgt Ion: 96 Resp: 10867
Ion Ratio Lower Upper
96 100
61 217.7 119.9 222.7
63 571.8 89.9 167.0#





#13

Acetone

Concen: 2.577 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU038542.D

Acq: 04 Jun 2020 11:39

Instrument :

MSVOA_U

ClientSampled :

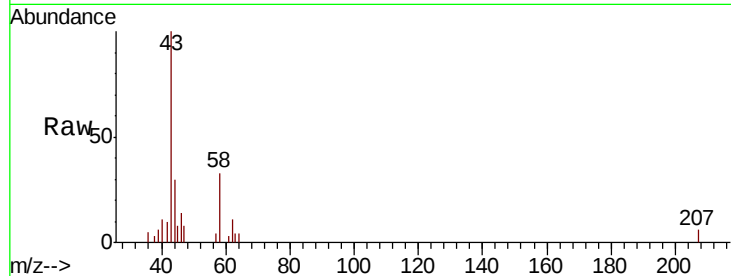
F9B10

Tot Ion: 43 Resp: 11804

Ion Ratio Lower Upper

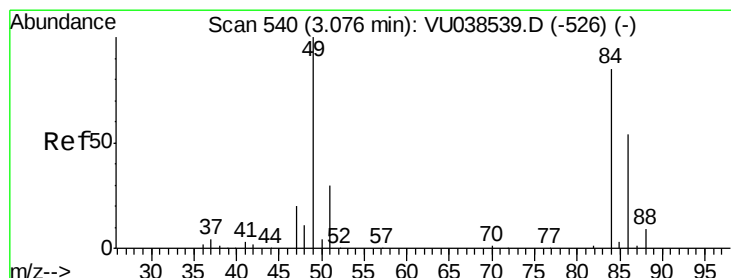
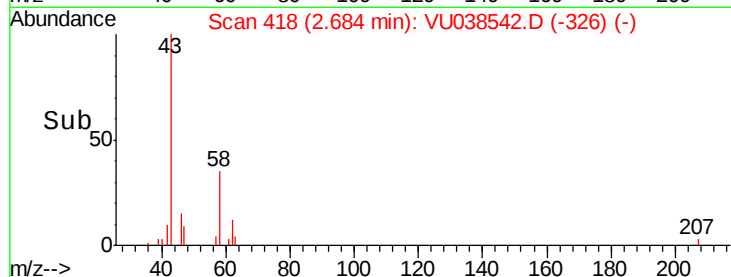
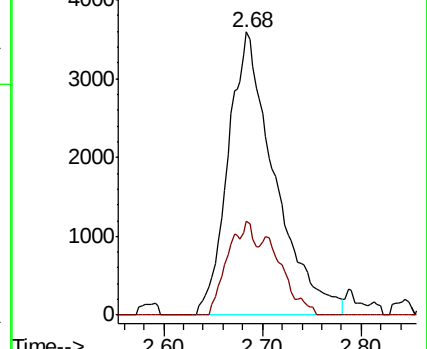
43 100

58 19.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038539.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU038539.D (-397) (-)



#16

Methylene chloride

Concen: 0.253 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038542.D

Acq: 04 Jun 2020 11:39

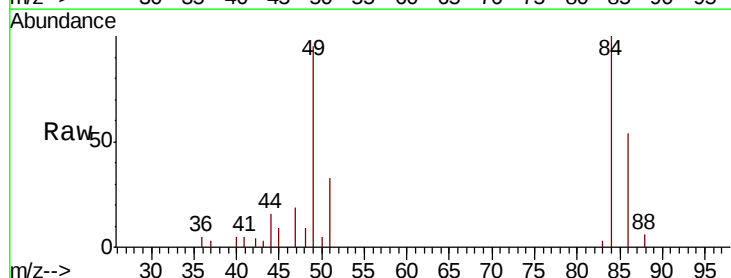
Tgt Ion: 84 Resp: 6282

Ion Ratio Lower Upper

84 100

86 53.9 45.0 83.6

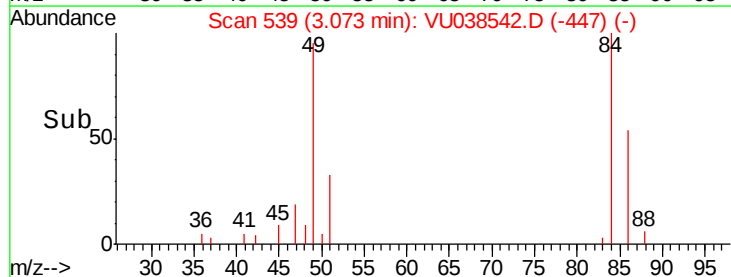
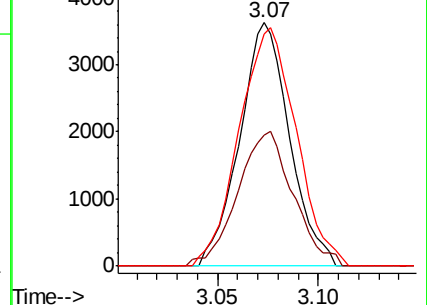
49 95.3 85.5 158.9

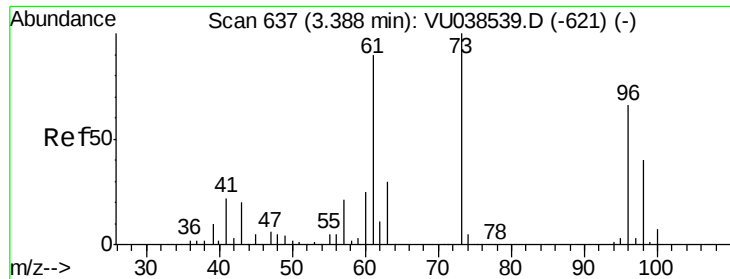


Abundance Ion 84.05 (83.75 to 84.75): VU038539.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU038539.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU038539.D (-526) (-)

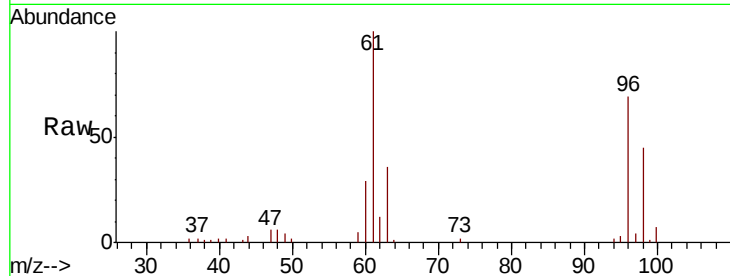




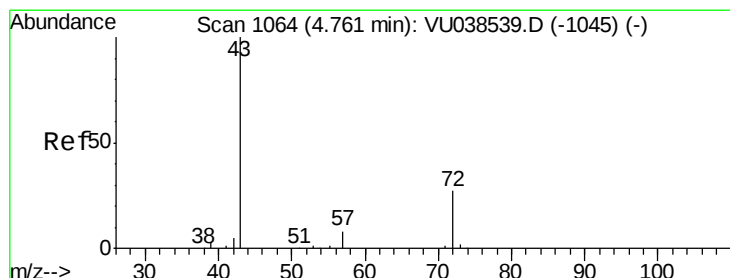
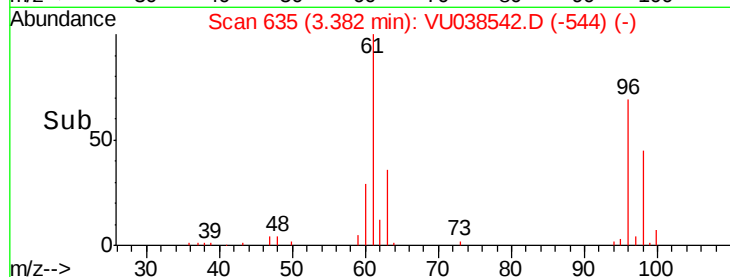
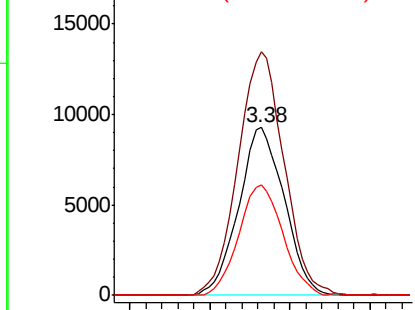
#18
trans-1,2-Dichloroethene
Concen: 0.763 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.01 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
F9B10

Tot Ion: 96 Resp: 18019
Ion Ratio Lower Upper
96 100
61 144.9 100.2 186.0
98 65.4 42.8 79.4

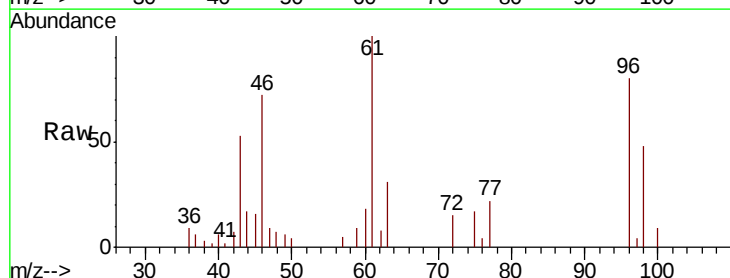


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

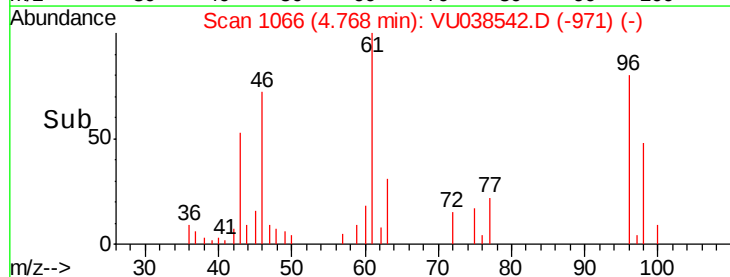
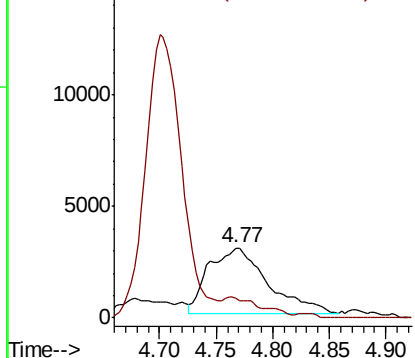


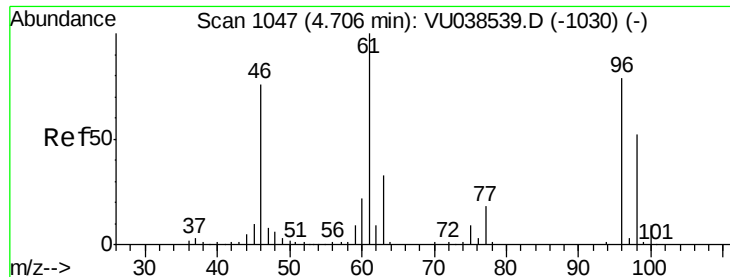
#21
2-Butanone
Concen: 1.371 ug/L
RT: 4.77 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Tgt Ion: 43 Resp: 10562
Ion Ratio Lower Upper
43 100
72 8.6 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

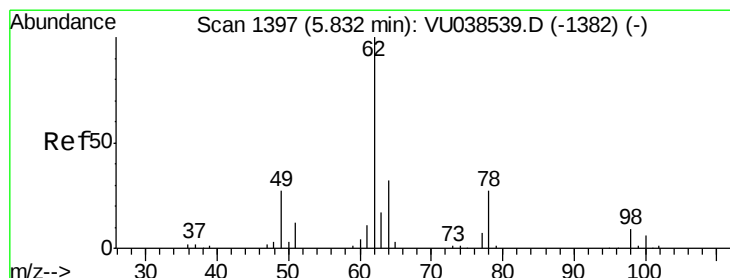
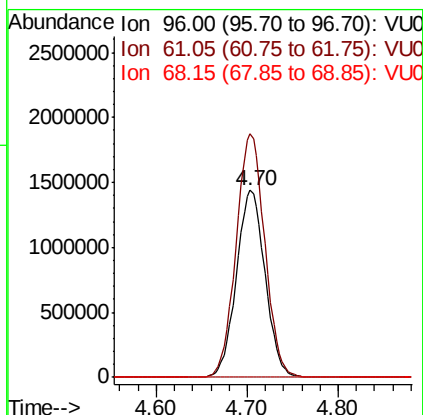
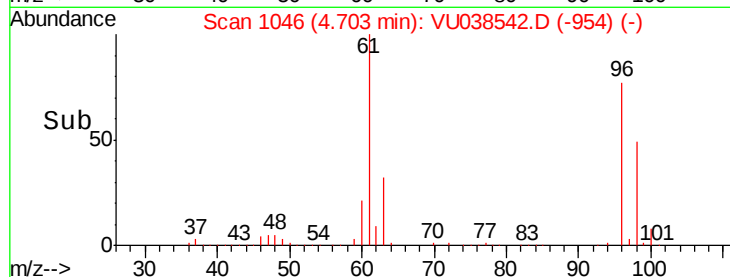
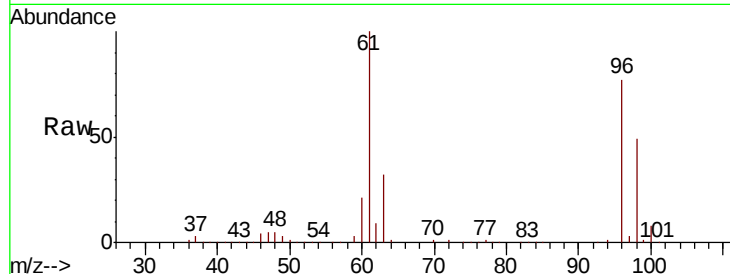




#22
 cis-1,2-Dichloroethene
 Concen: 123.861 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038542.D
 Acq: 04 Jun 2020 11:39

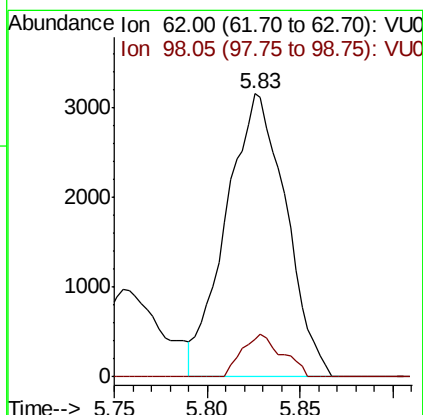
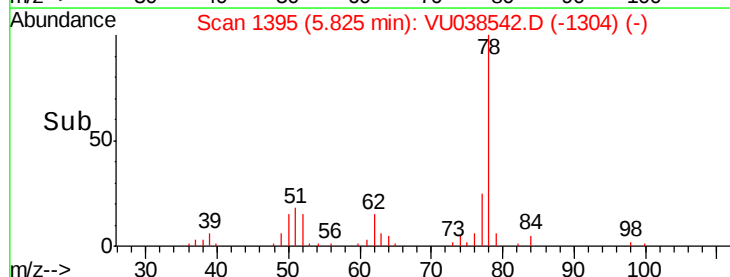
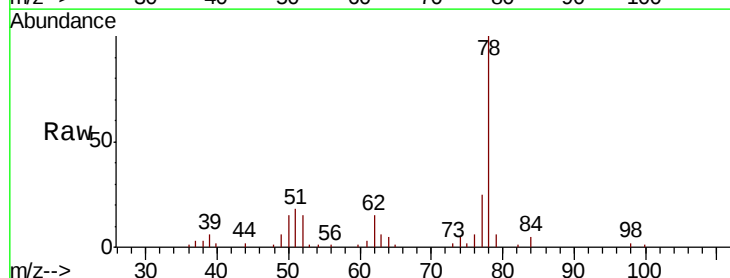
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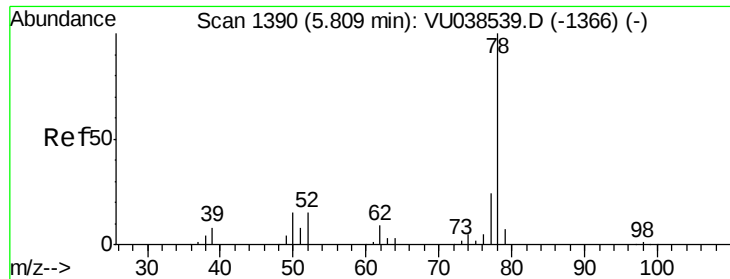
Tot Ion: 96 Resp: 3151022
 Ion Ratio Lower Upper
 96 100
 61 130.3 94.0 174.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.234 ug/L
 RT: 5.83 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: VU038542.D
 Acq: 04 Jun 2020 11:39

Tgt Ion: 62 Resp: 7064
 Ion Ratio Lower Upper
 62 100
 98 13.2 7.4 11.2#





#33

Benzene

Concen: 1.282 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038542.D

Acq: 04 Jun 2020 11:39

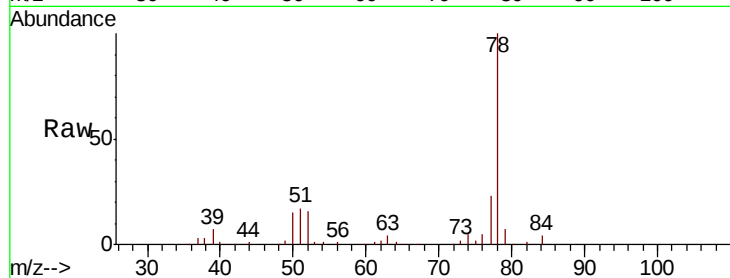
Instrument :

MSVOA_U

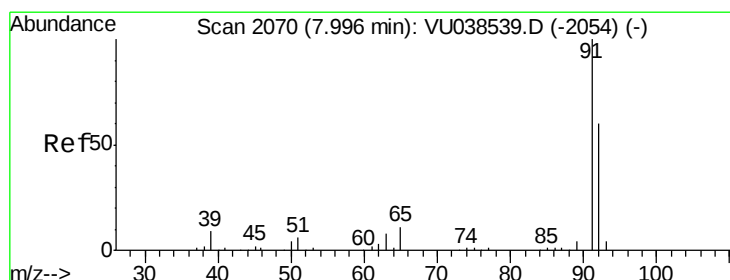
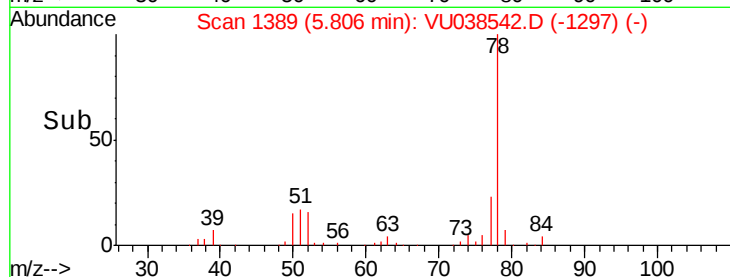
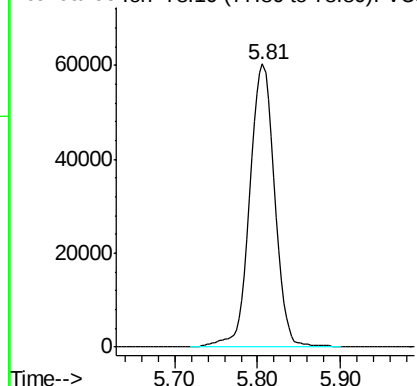
ClientSampled :

F9B10

Tgt Ion: 78 Resp: 126026



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 2.050 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038542.D

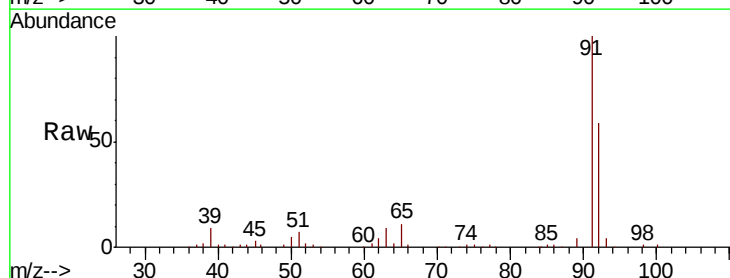
Acq: 04 Jun 2020 11:39

Tgt Ion: 91 Resp: 211389

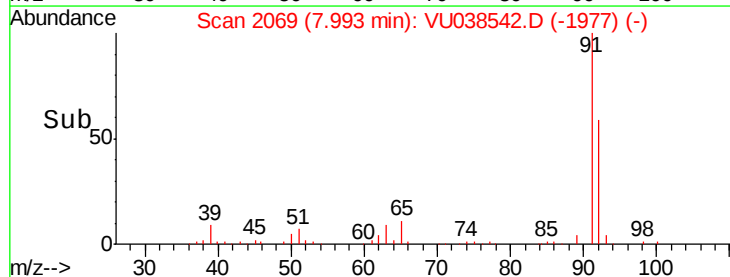
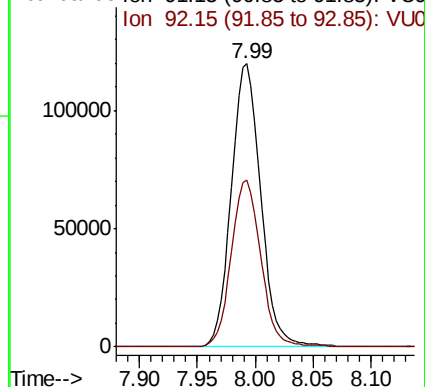
Ion Ratio Lower Upper

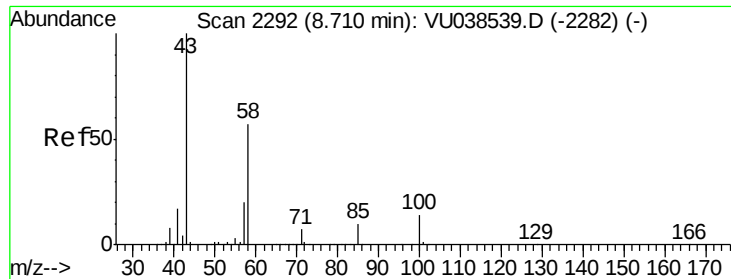
91 100

92 58.8 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

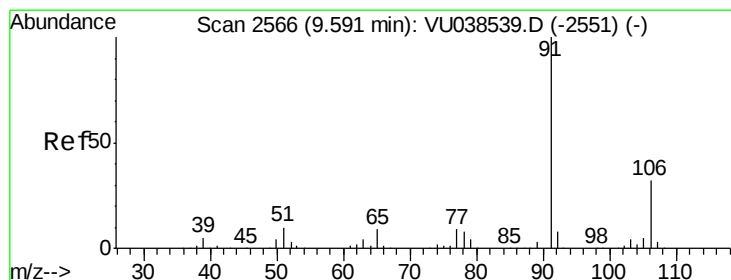
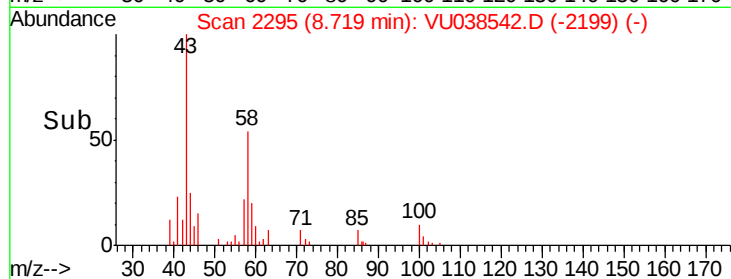
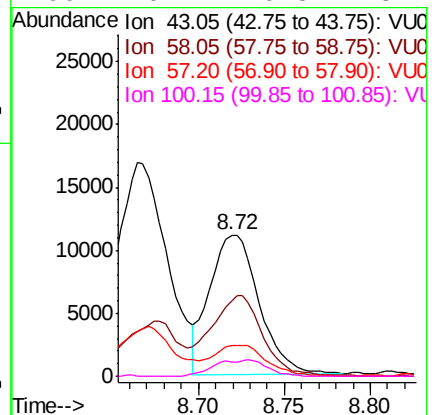
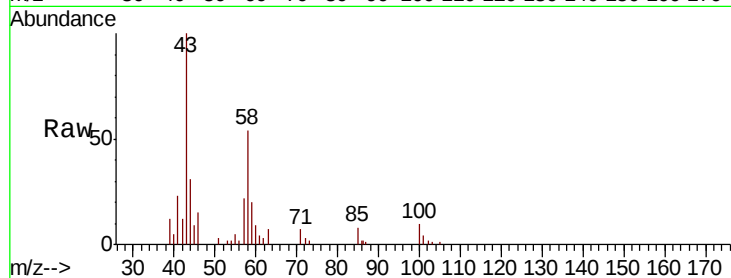




#48
2-Hexanone
Concen: 1.658 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

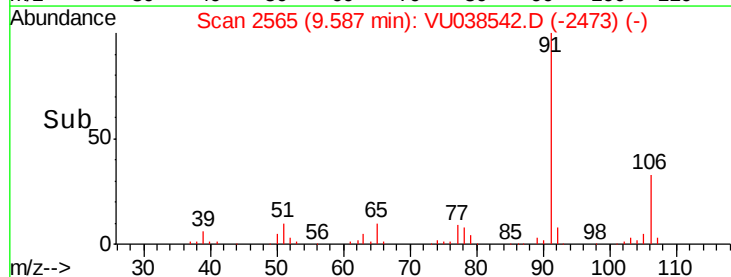
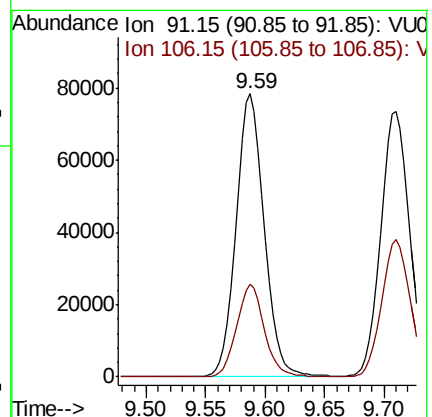
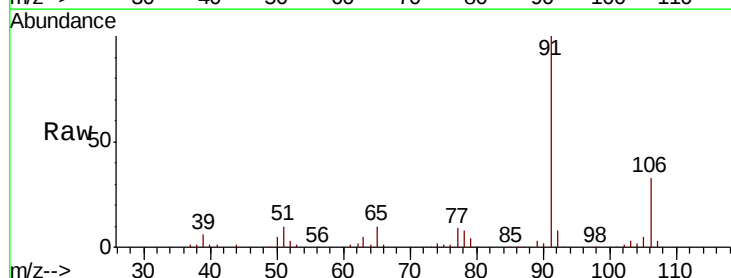
Instrument :
MSVOA_U
ClientSampleId :
F9B10

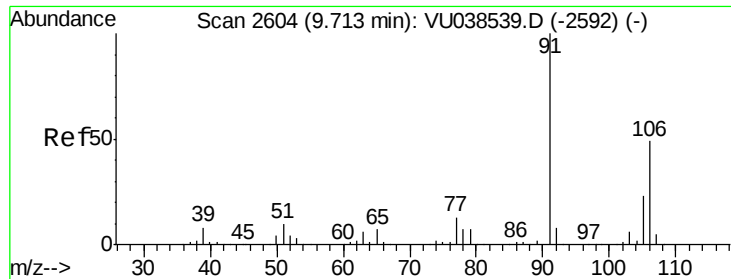
Tot Ion: 43 Resp: 22208
Ion Ratio Lower Upper
43 100
58 0.0 45.4 68.0#
57 0.0 15.9 23.9#
100 6.1 10.5 15.7#



#52
Ethylbenzene
Concen: 1.118 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Tgt Ion: 91 Resp: 128264
Ion Ratio Lower Upper
91 100
106 32.6 21.7 40.3





#53

m,p-Xylene

Concen: 1.446 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038542.D

Acq: 04 Jun 2020 11:39

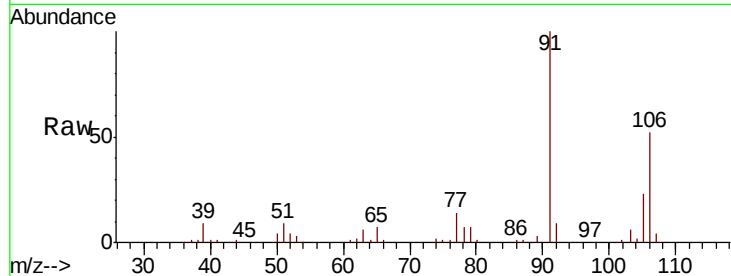
Instrument :
MSVOA_U
ClientSampled :
F9B10

Tot Ion:106 Resp: 63796

Ion Ratio Lower Upper

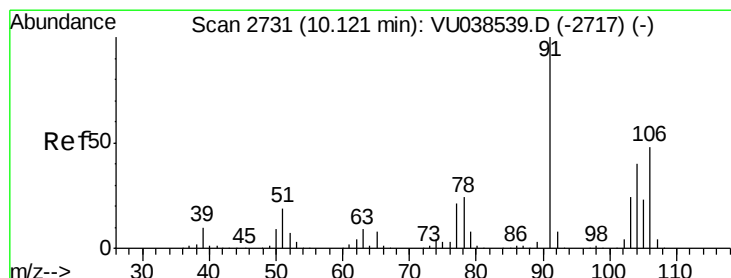
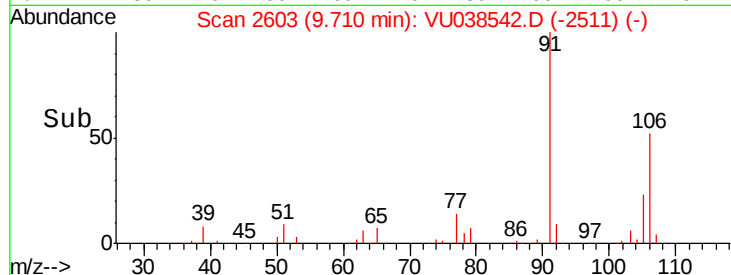
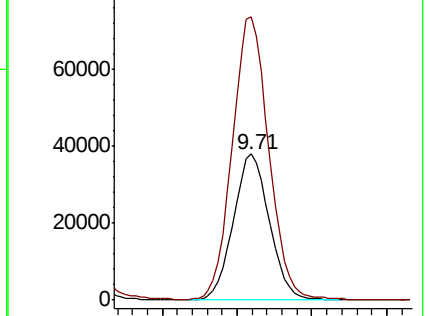
106 100

91 194.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.937 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038542.D

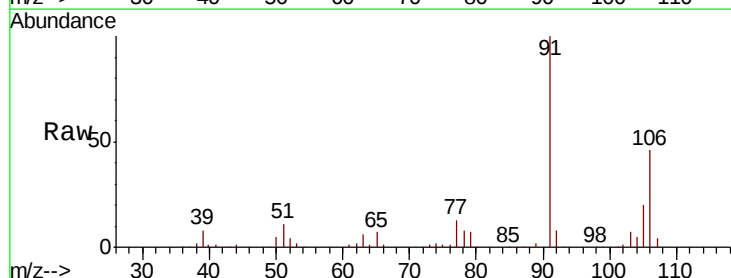
Acq: 04 Jun 2020 11:39

Tgt Ion:106 Resp: 39688

Ion Ratio Lower Upper

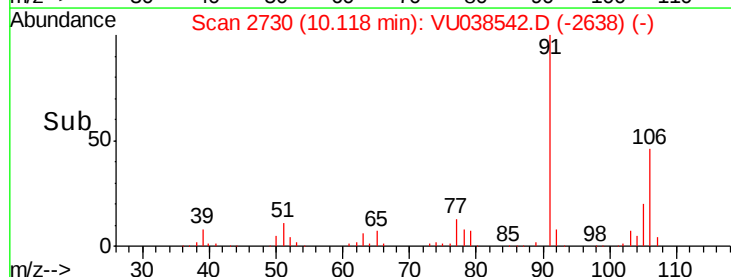
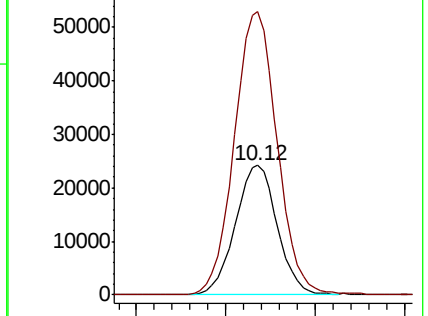
106 100

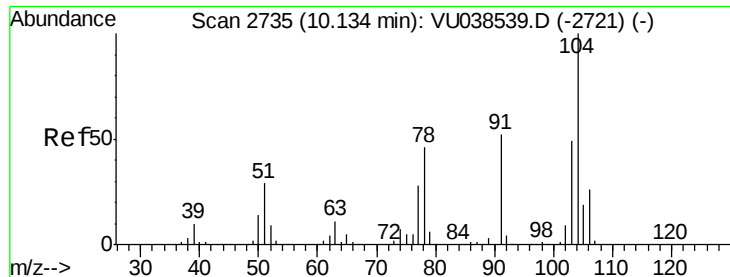
91 218.2 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

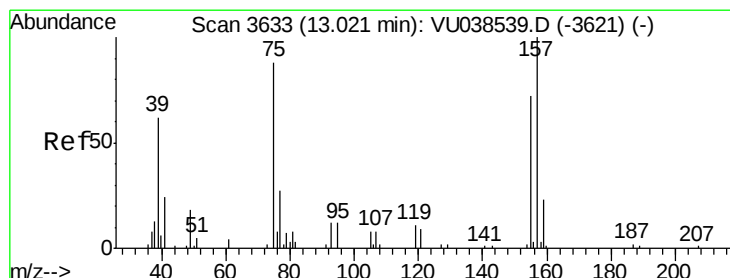
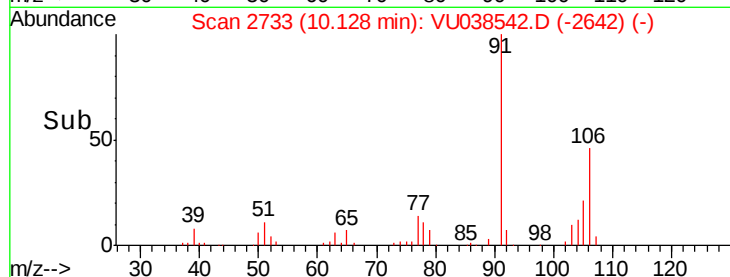
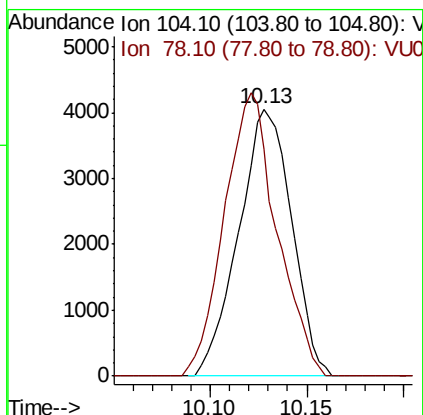
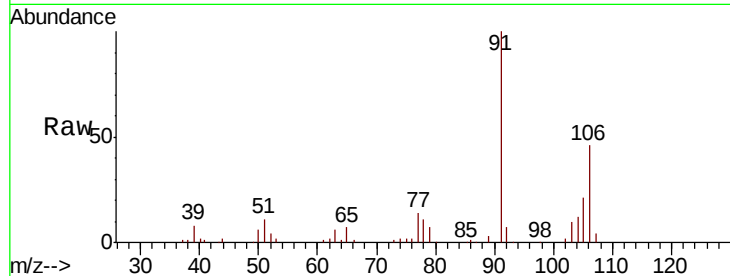




#55
Stvrene
Concen: 0.107 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.01 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
F9B10

Tot Ion:104 Resp: 7718
Ion Ratio Lower Upper
104 100
78 85.1 31.9 59.3#



#66
1,2-Dibromo-3-chloropropane
Concen: 1.555 ug/L
RT: 13.05 min Scan# 3642
Delta R.T. 0.03 min
Lab File: VU038542.D
Acq: 04 Jun 2020 11:39

Tgt Ion: 75 Resp: 6632
Ion Ratio Lower Upper
75 100
155 0.0 59.6 89.4#
157 0.0 79.8 119.6#

