

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033408.D
 Acq On : 25 Jul 2019 14:21
 Operator : JC/SP
 Sample : K3957-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2A12MSD

Quant Time: Jul 26 05:33:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:32:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	275194	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	78434	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.30%
7) Chloroethane-d5	1.67	69	79522	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.26	63	164130	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.88%
21) 2-Butanone-d5	4.15	46	131688	99.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.77%
24) Chloroform-d	4.62	84	155875	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
26) 1,2-Dichloroethane-d4	5.29	65	109251	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
32) Benzene-d6	5.32	84	308668	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.12%
36) 1,2-Dichloropropane-d6	6.31	67	105165	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.78%
41) Toluene-d8	7.55	98	274721	42.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.10%
43) trans-1,3-Dichloropropene-	7.83	79	47183	43.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.72%
47) 2-Hexanone-d5	8.29	63	95052	95.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	165931	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	112507	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%

Target Compounds

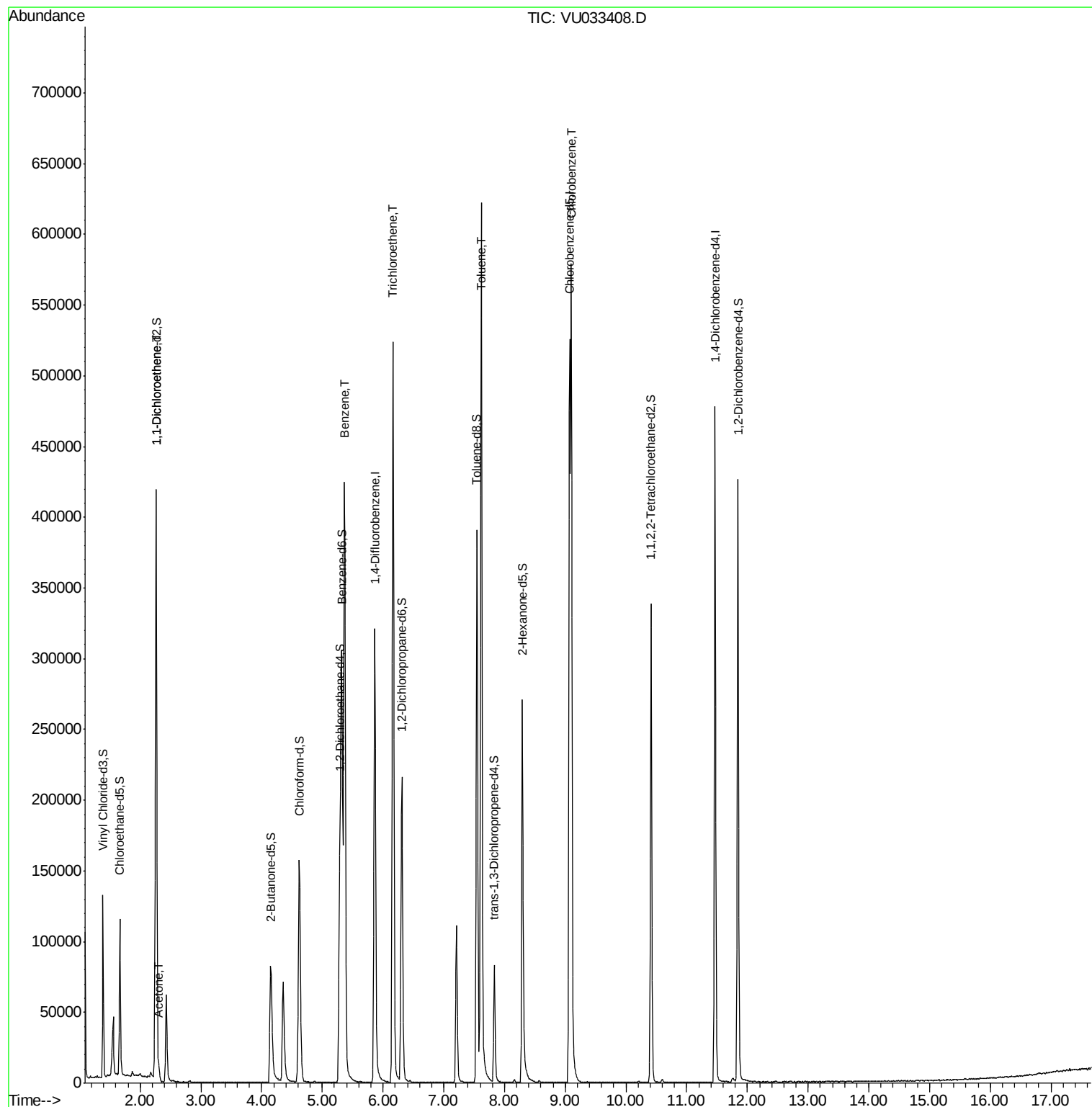
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	95411	51.943	ug/L	89
13) Acetone	2.31	43	9337	5.662	ug/L	96
33) Benzene	5.37	78	427727	51.941	ug/L	100
34) Trichloroethene	6.16	95	182541	84.759	ug/L	98
42) Toluene	7.62	91	474437	53.439	ug/L	100
51) Chlorobenzene	9.10	112	305819	52.774	ug/L	99

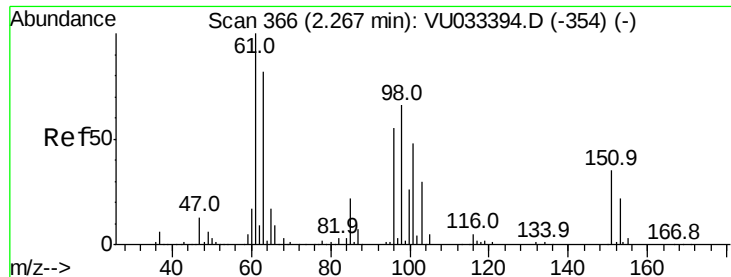
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 51.943 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

F2A12MSD

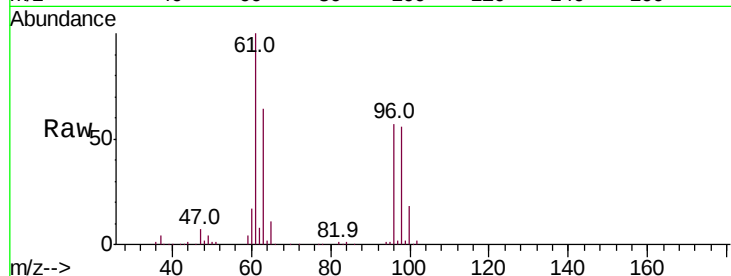
Tot Ion: 96 Resp: 95411

Ion Ratio Lower Upper

96 100

61 176.2 126.1 234.1

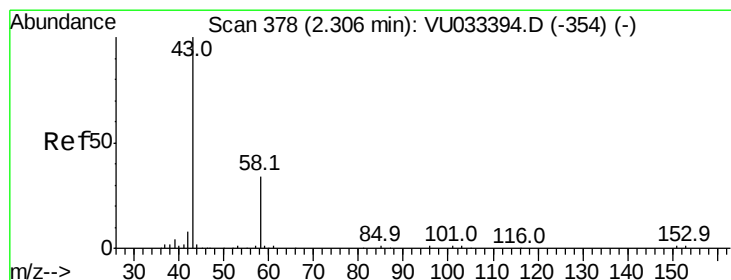
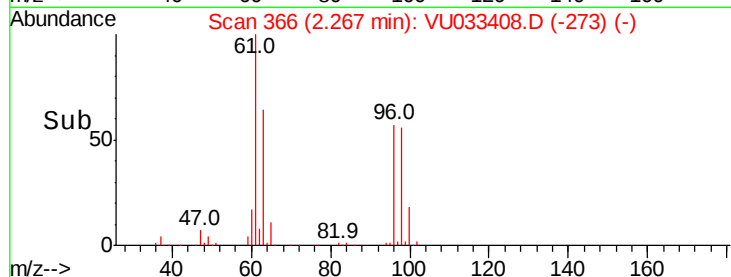
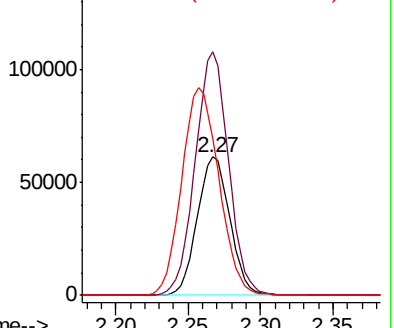
63 112.9 96.8 179.8



Abundance Ion 96.00 (95.70 to 96.70): VU033394.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033394.D (-354) (-)

Ion 63.00 (62.70 to 63.70): VU033394.D (-354) (-)



#13

Acetone

Concen: 5.662 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033408.D

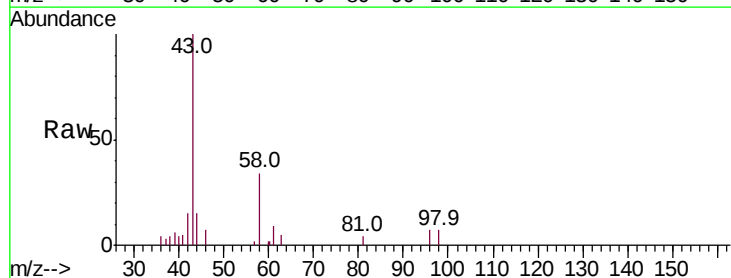
Acq: 25 Jul 2019 14:21

Tgt Ion: 43 Resp: 9337

Ion Ratio Lower Upper

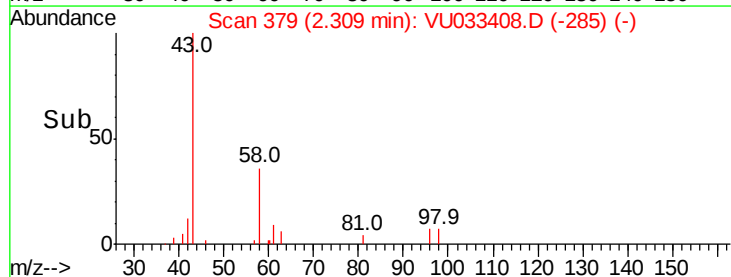
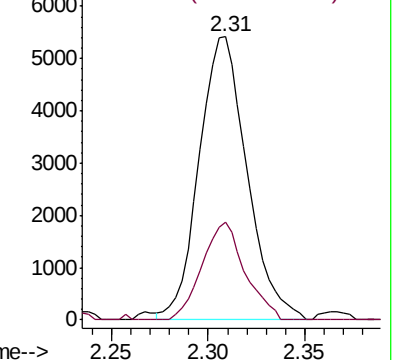
43 100

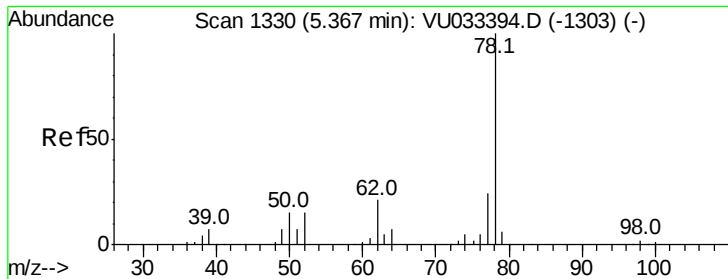
58 30.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033394.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU033394.D (-354) (-)





#33

Benzene

Concen: 51.941 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033408.D

Acq: 25 Jul 2019 14:21

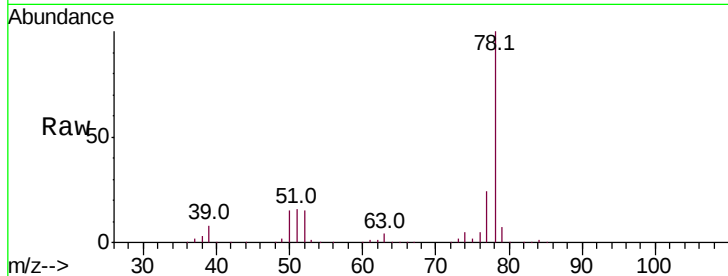
Instrument :

MSVOA_U

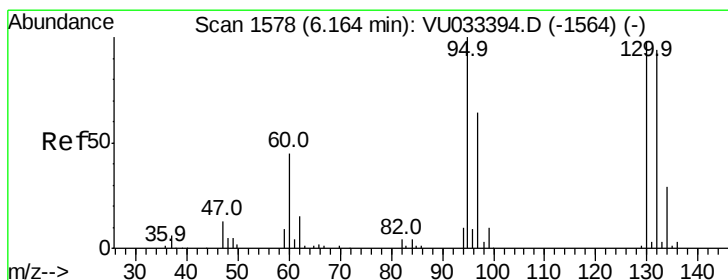
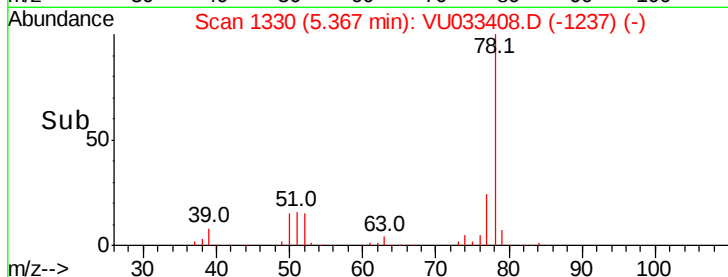
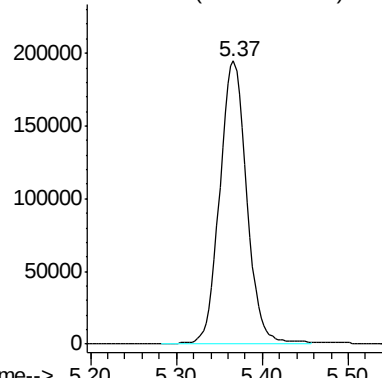
ClientSampled :

F2A12MSD

Tgt Ion: 78 Resp: 427727



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 84.759 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033408.D

Acq: 25 Jul 2019 14:21

Tgt Ion: 95 Resp: 182541

Ion	Ratio	Lower	Upper
95	100		
97	65.7	43.8	81.4
132	95.8	65.5	121.6
130	100.2	69.7	129.5

95 100

97 65.7 43.8 81.4

132 95.8 65.5 121.6

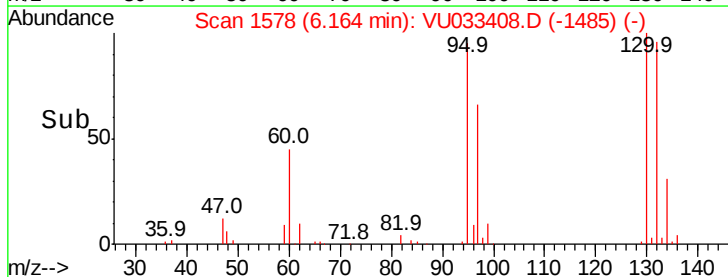
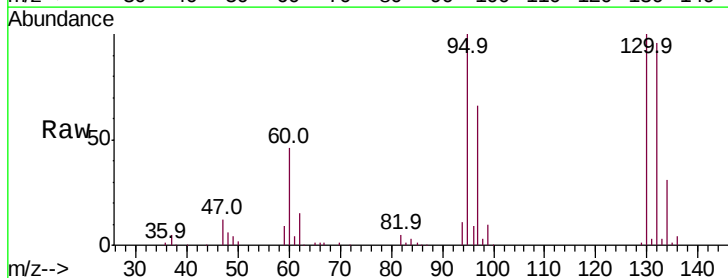
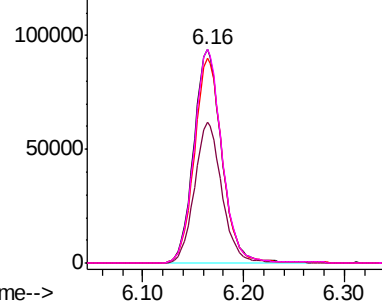
130 100.2 69.7 129.5

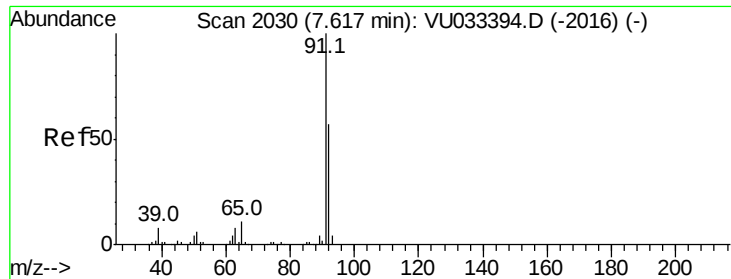
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 53.439 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033408.D

Acq: 25 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

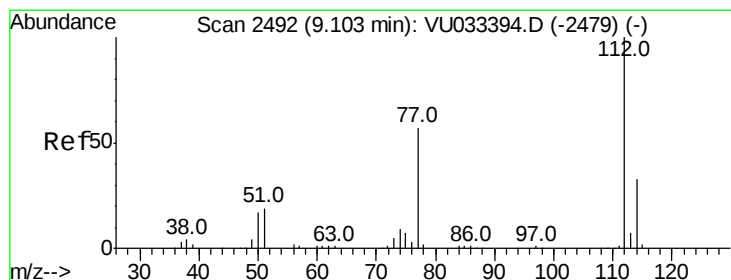
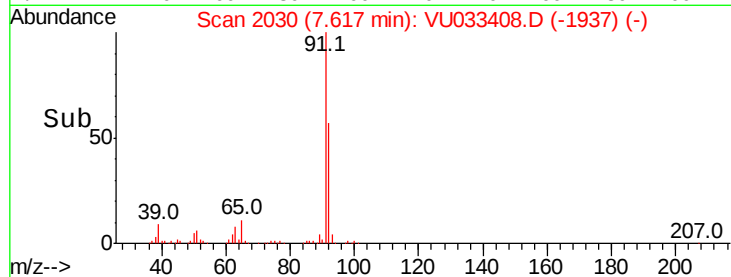
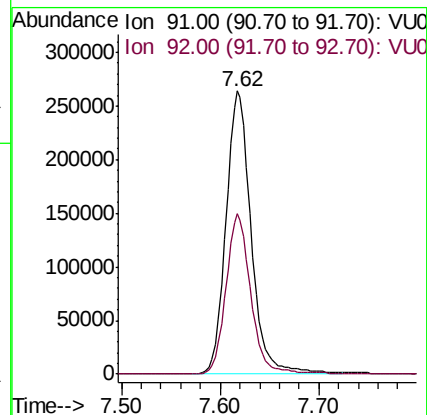
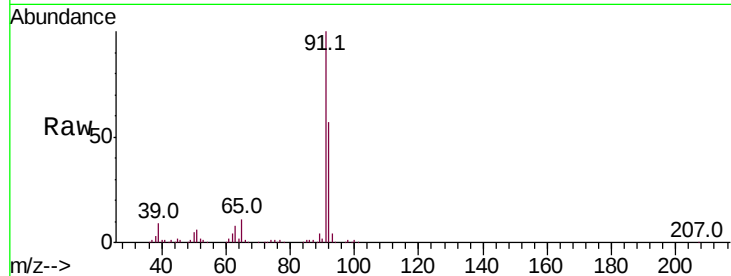
F2A12MSD

Tot Ion: 91 Resp: 474437

Ion Ratio Lower Upper

91 100

92 56.6 39.8 74.0



#51

Chlorobenzene

Concen: 52.774 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033408.D

Acq: 25 Jul 2019 14:21

Tgt Ion: 112 Resp: 305819

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

77 57.9 47.2 70.8

