

Data File : VU032300.D
Acq On : 24 May 2019 09:51
Operator : JC/SP
Sample : K3001-11 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF6

Quant Time: May 24 23:35:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 23:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	769811	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	744298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	322144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	239001	59.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.78%
7) Chloroethane-d5	1.67	69	215615	55.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.66%
11) 1,1-Dichloroethene-d2	2.27	63	334561	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.84%
21) 2-Butanone-d5	4.17	46	358869	93.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.48%
24) Chloroform-d	4.64	84	486011	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.31	65	296394	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.00%
32) Benzene-d6	5.33	84	991232	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.32	67	301968	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.12%
41) Toluene-d8	7.56	98	875155	50.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.90%
43) trans-1,3-Dichloropropene-	7.85	79	124305	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.31	63	245601	96.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	462007	45.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	349919	51.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.38%

Target Compounds

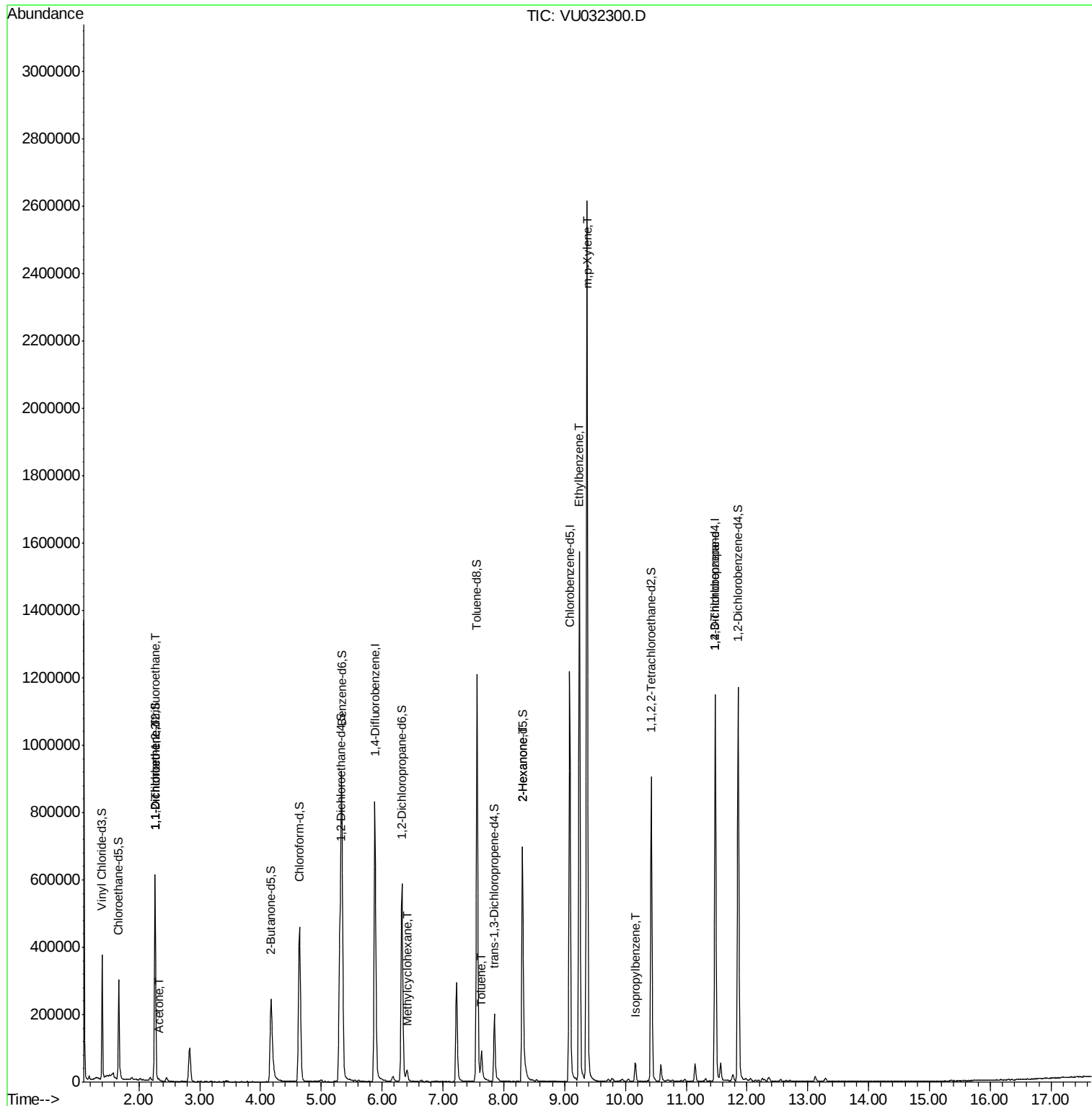
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	3422	0.845 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2904	0.644 ug/L #	1
13) Acetone	2.32	43	4244	1.372 ug/L	84
35) Methylcyclohexane	6.41	83	14371	2.253 ug/L	94
42) Toluene	7.64	91	67756	3.022 ug/L	93
48) 2-Hexanone	8.31	43	26374	4.417 ug/L #	75
52) Ethylbenzene	9.24	91	1149790	50.465 ug/L	99
53) m,p-Xylene	9.37	106	794756	90.372 ug/L	100
56) Isopropylbenzene	10.16	105	39689	1.853 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	33448	4.081 ug/L	90

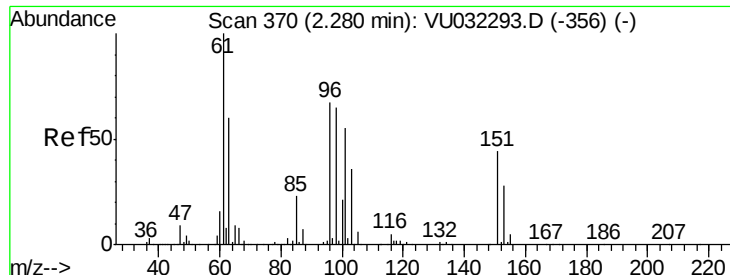
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.845 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Instrument :

MSVOA_U

ClientSampleId :

E3YF6

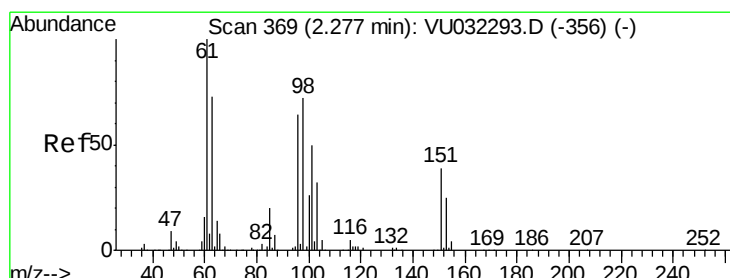
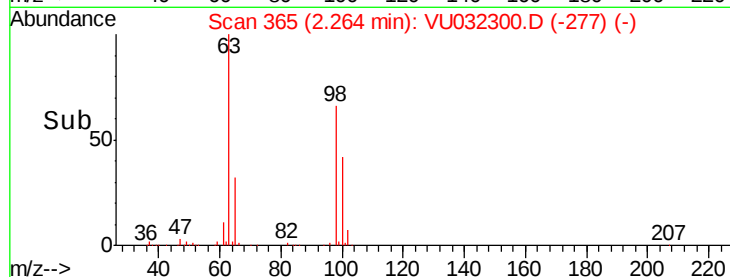
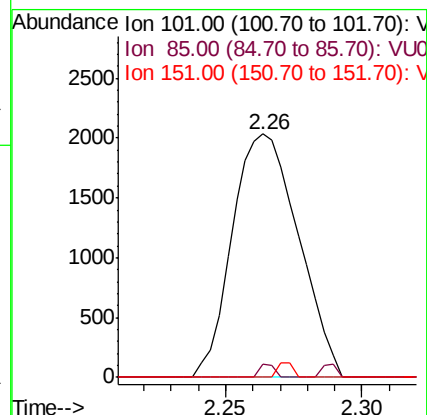
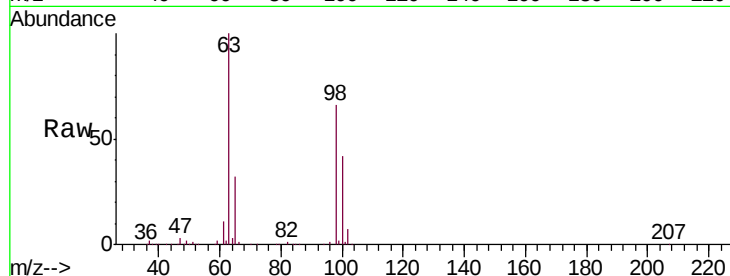
Tgt Ion:101 Resp: 3422

Ion Ratio Lower Upper

101 100

85 1.2 32.8 49.2#

151 1.3 63.5 95.3#



#12

1,1-Dichloroethene

Concen: 0.644 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

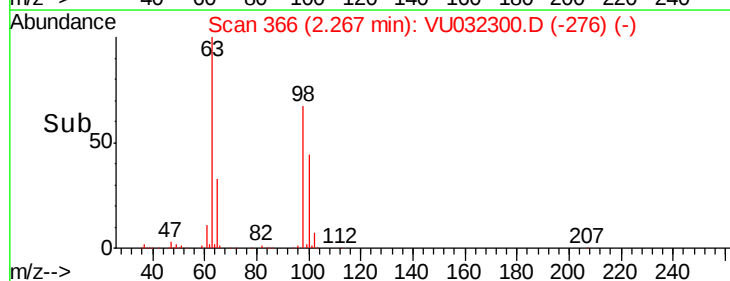
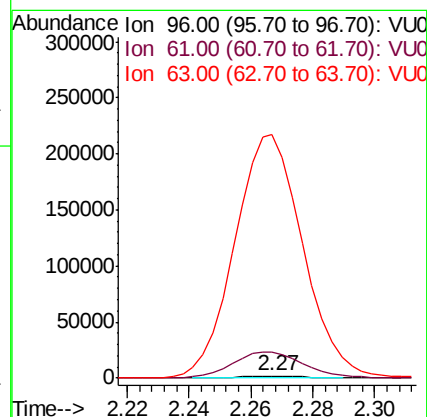
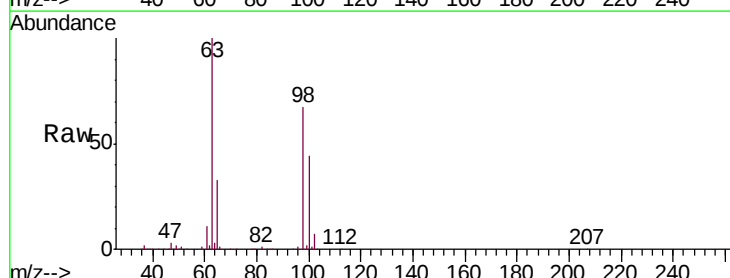
Tgt Ion: 96 Resp: 2904

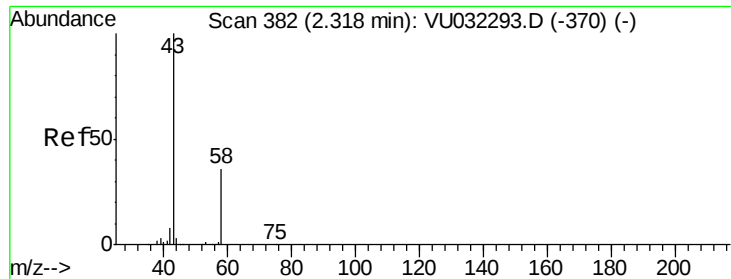
Ion Ratio Lower Upper

96 100

61 1122.8 108.0 200.6#

63 10405.0 85.5 158.7#





#13

Acetone

Concen: 1.372 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Instrument :

MSVOA_U

ClientSampleId :

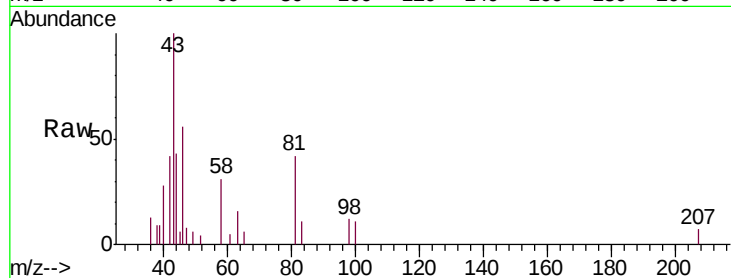
E3YF6

Tgt Ion: 43 Resp: 4244

Ion Ratio Lower Upper

43 100

58 28.7 0.0 77.2

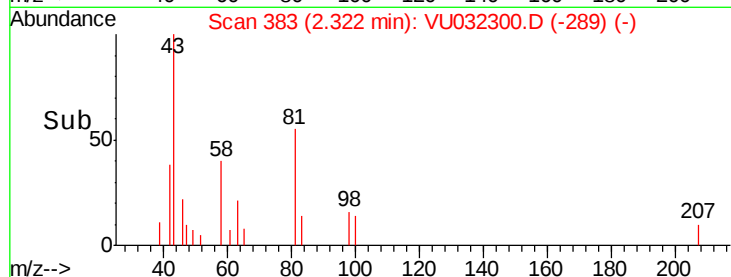


Abundance Ion 43.00 (42.70 to 43.70): VU032293.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032293.D (-370) (-)

2.32

2.30 2.35

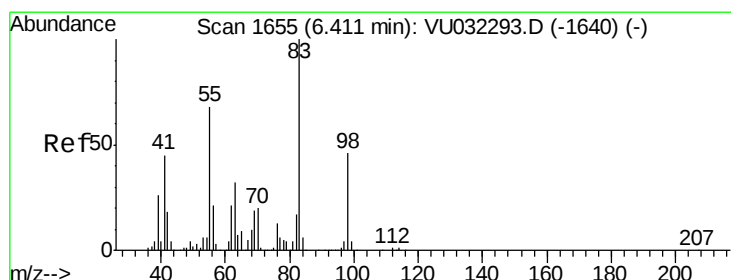


Abundance Ion 43.00 (42.70 to 43.70): VU032300.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032300.D (-289) (-)

2.32

2.30 2.35



#35

Methylcyclohexane

Concen: 2.253 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

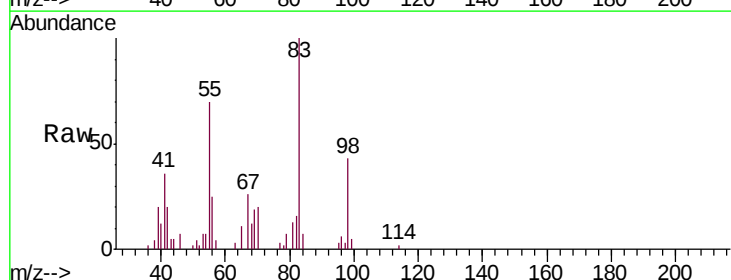
Tgt Ion: 83 Resp: 14371

Ion Ratio Lower Upper

83 100

55 75.9 56.1 84.1

98 42.3 36.8 55.2



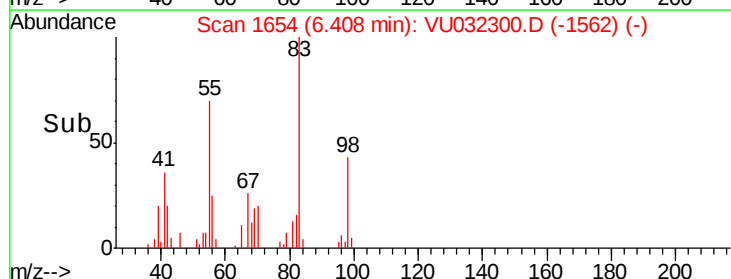
Abundance Ion 83.00 (82.70 to 83.70): VU032293.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032293.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032293.D (-1640) (-)

6.41

6.35 6.45



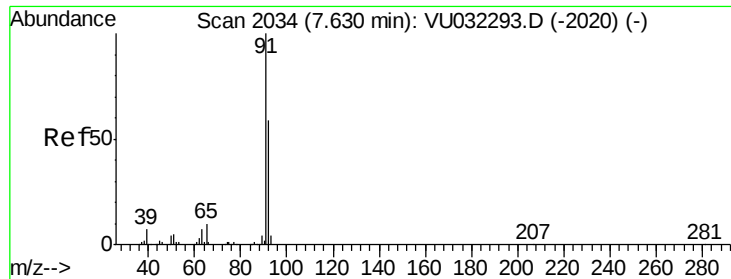
Abundance Ion 83.00 (82.70 to 83.70): VU032300.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032300.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032300.D (-1562) (-)

6.41

6.35 6.45



#42

Toluene

Concen: 3.022 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Instrument :

MSVOA_U

ClientSampleId :

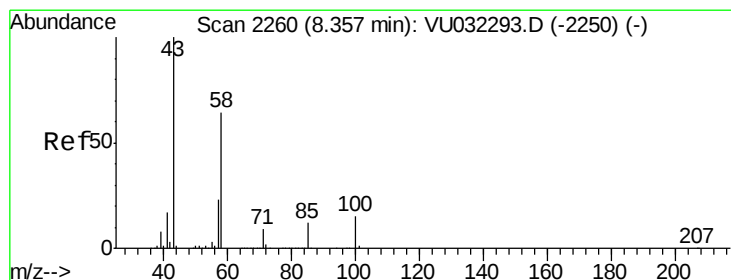
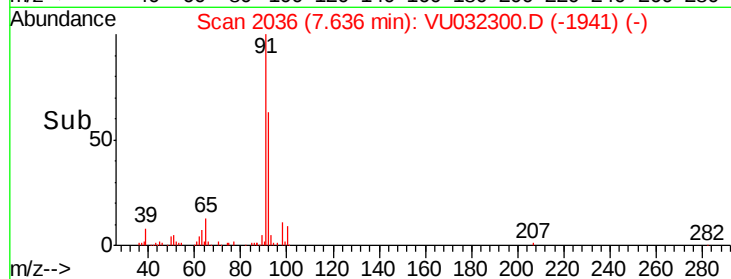
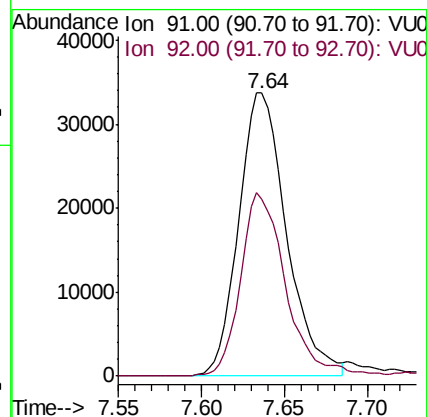
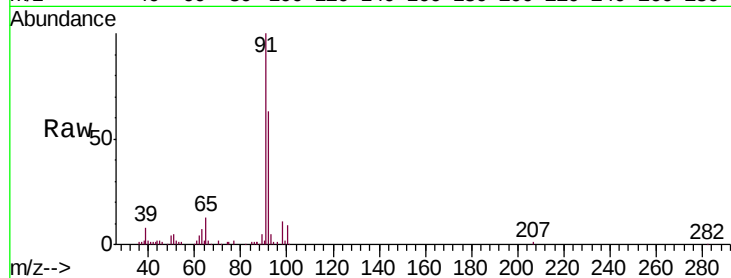
E3YF6

Tgt Ion: 91 Resp: 67756

Ion Ratio Lower Upper

91 100

92 62.7 40.3 74.9



#48

2-Hexanone

Concen: 4.417 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Tgt Ion: 43 Resp: 26374

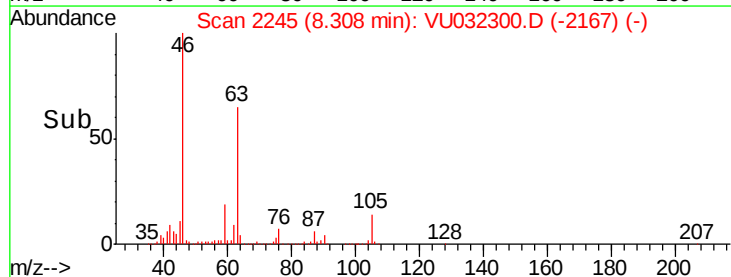
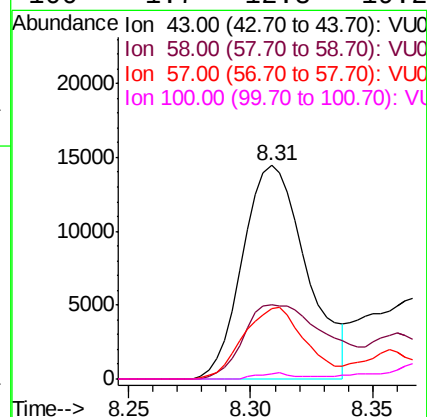
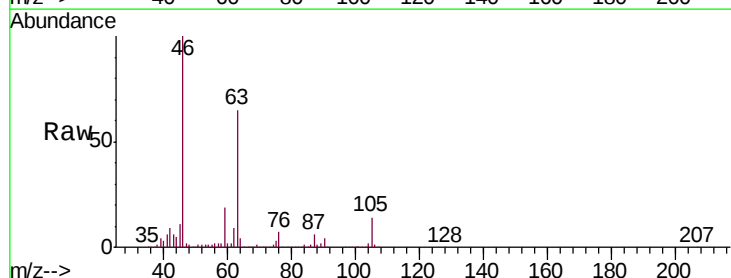
Ion Ratio Lower Upper

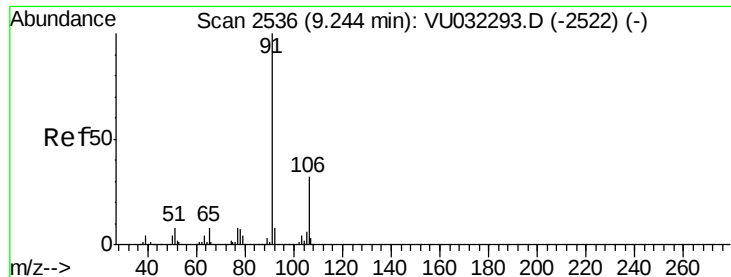
43 100

58 45.1 51.4 77.0#

57 32.6 17.8 26.8#

100 1.7 12.8 19.2#





#52

Ethylbenzene

Concen: 50.465 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Instrument :

MSVOA_U

ClientSampleId :

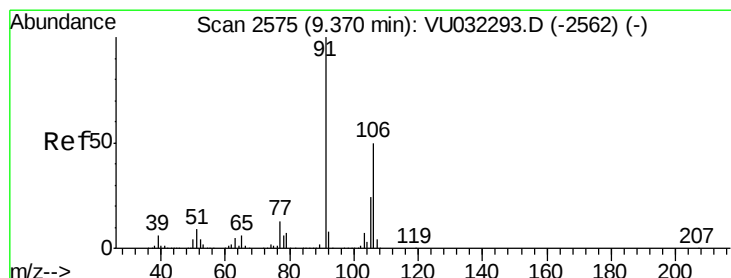
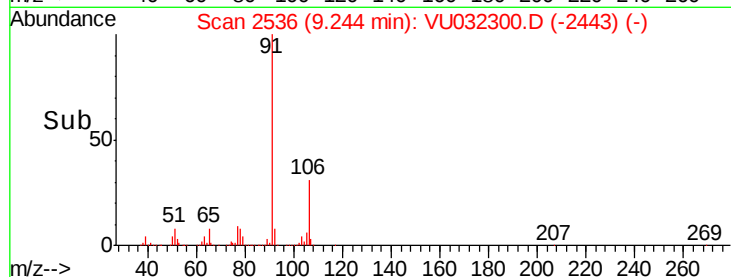
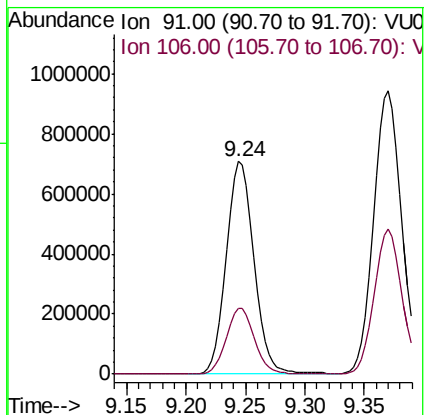
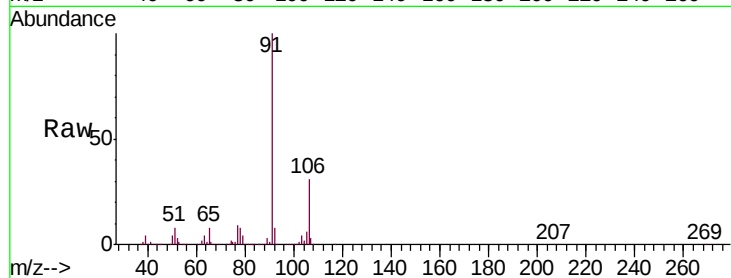
E3YF6

Tgt Ion: 91 Resp: 1149790

Ion Ratio Lower Upper

91 100

106 31.1 22.0 41.0



#53

m,p-Xylene

Concen: 90.372 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032300.D

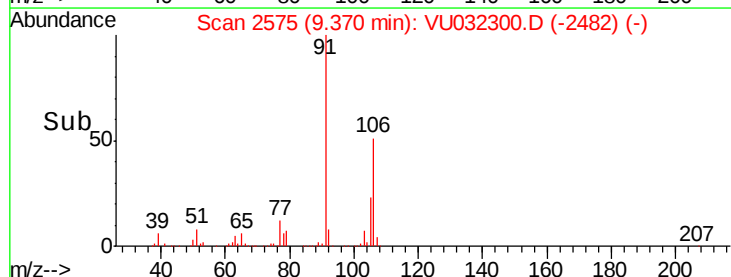
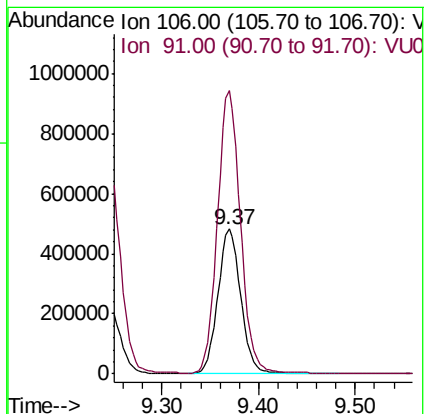
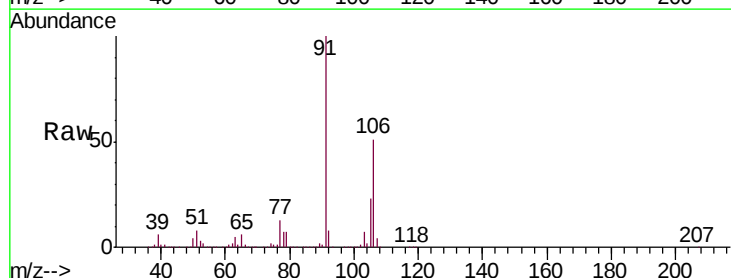
Acq: 24 May 2019 09:51

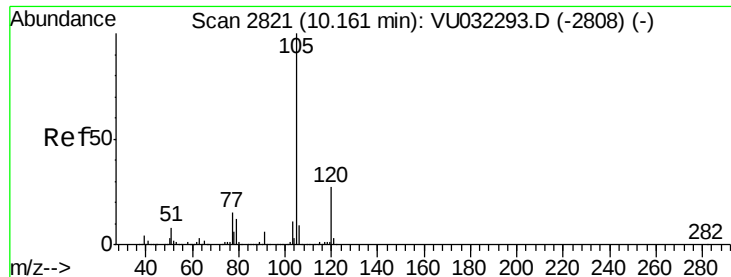
Tgt Ion: 106 Resp: 794756

Ion Ratio Lower Upper

106 100

91 195.7 136.5 253.5





#56

Isopropylbenzene

Concen: 1.853 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Instrument :

MSVOA_U

ClientSampleId :

E3YF6

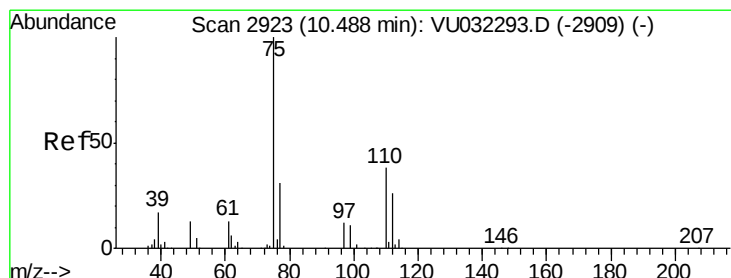
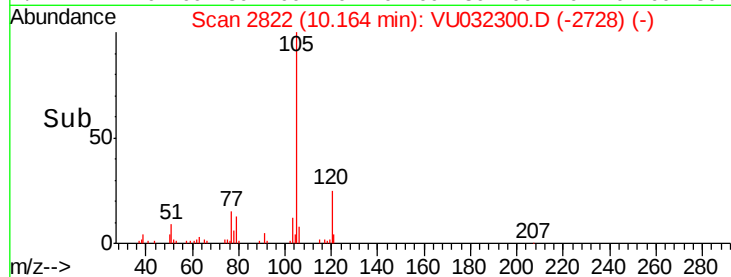
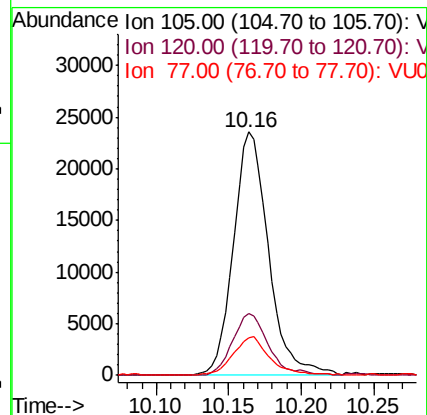
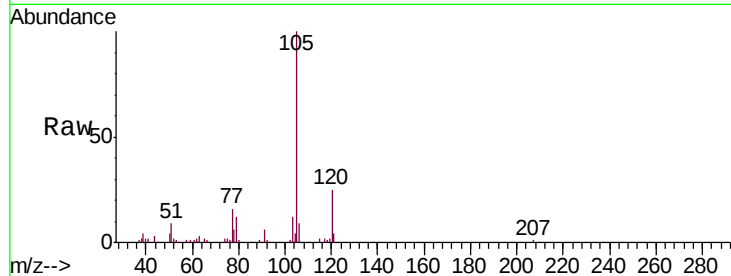
Tgt Ion: 105 Resp: 39689

Ion Ratio Lower Upper

105 100

120 24.8 21.0 31.4

77 16.4 11.8 17.6



#59

1,2,3-Trichloropropane

Concen: 4.081 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032300.D

Acq: 24 May 2019 09:51

Tgt Ion: 75 Resp: 33448

Ion Ratio Lower Upper

75 100

77 37.9 25.7 38.5

