

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030483.D
 Acq On : 27 Mar 2019 15:07
 Operator : JC/SP
 Sample : K2063-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S1

Quant Time: Mar 28 02:37:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 01:25:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	425468	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	404569	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183118	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154988	45.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.52%
7) Chloroethane-d5	1.68	69	129831	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.68%
11) 1,1-Dichloroethene-d2	2.27	63	226265	34.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.66%
21) 2-Butanone-d5	4.17	46	330750	102.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.64	84	294060	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	5.31	65	196224	50.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.66%
32) Benzene-d6	5.34	84	576254	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
36) 1,2-Dichloropropane-d6	6.32	67	205659	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.62%
41) Toluene-d8	7.56	98	500983	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	7.85	79	90638	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.31	63	212110	98.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	280223	49.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	184783	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

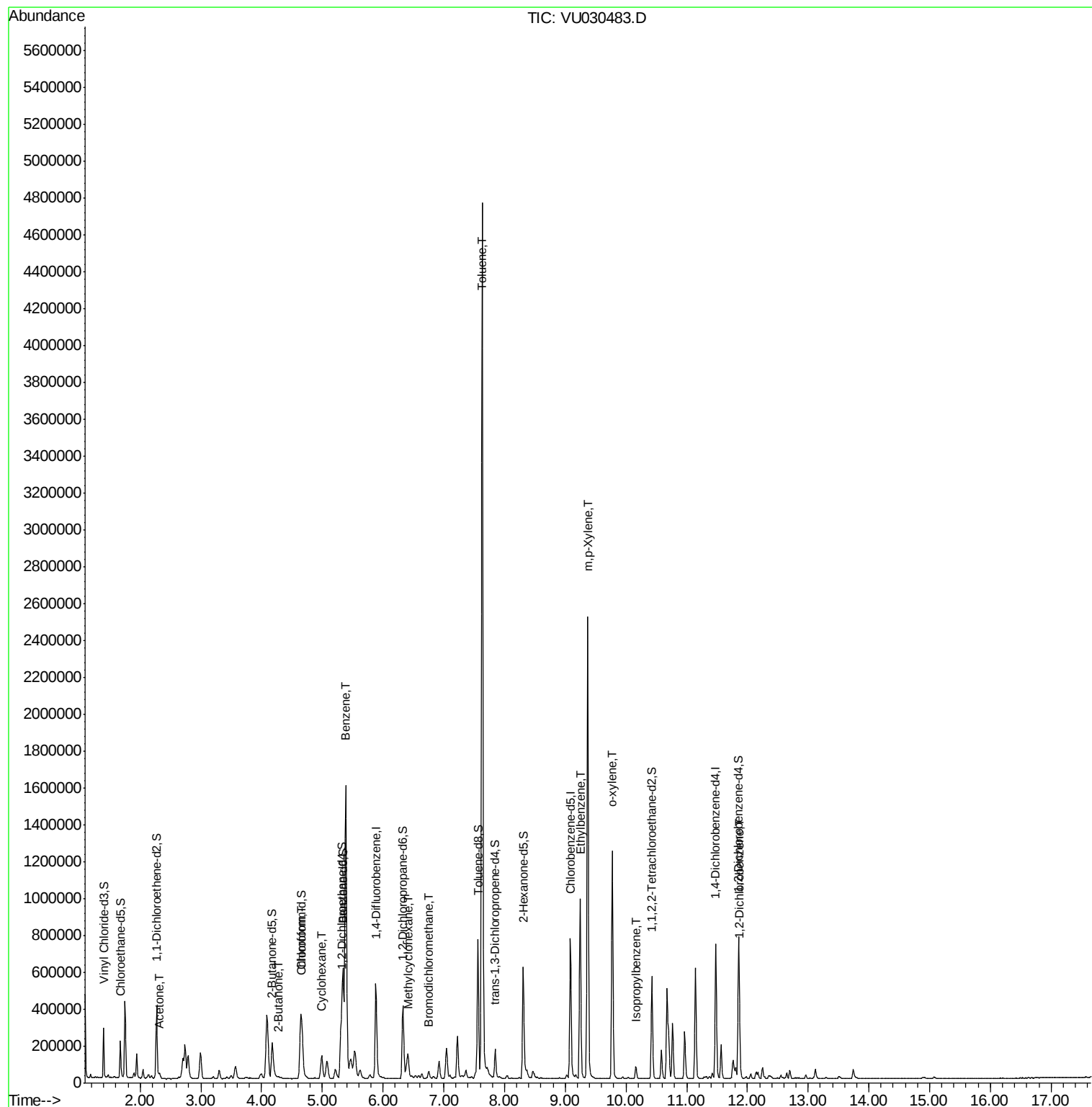
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	28095	8.631	ug/L	93
22) 2-Butanone	4.28	43	10508	2.671	ug/L	94
25) Chloroform	4.67	83	183649	29.480	ug/L	96
29) Cyclohexane	4.99	56	57783	9.438	ug/L	94
33) Benzene	5.39	78	1544735	112.165	ug/L	100
35) Methylcyclohexane	6.41	83	50567	9.077	ug/L #	84
38) Bromodichloromethane	6.76	83	25139	5.413	ug/L	95
42) Toluene	7.63	91	3415403	238.958	ug/L	99
52) Ethylbenzene	9.25	91	695084	44.893	ug/L	99
53) m,p-Xylene	9.37	106	670440	119.924	ug/L	99
54) o-xylene	9.77	106	313235	57.422	ug/L	98
56) Isopropylbenzene	10.16	105	42261	2.926	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	7226	1.193	ug/L	94

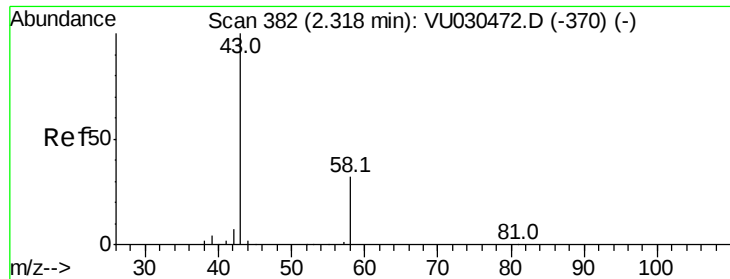
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.631 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

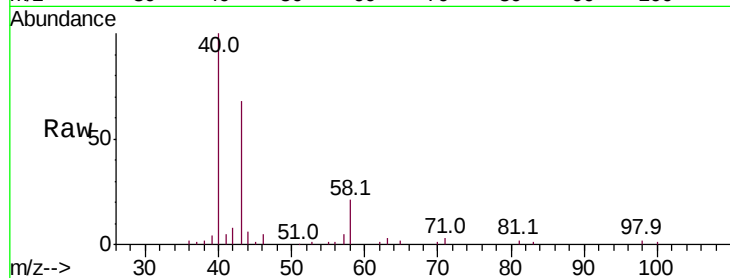
DB6S1

Tot Ion: 43 Resp: 28095

Ion Ratio Lower Upper

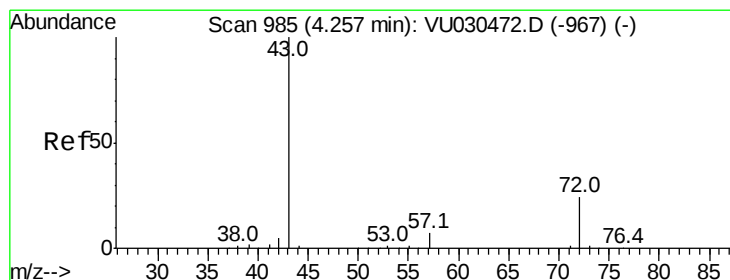
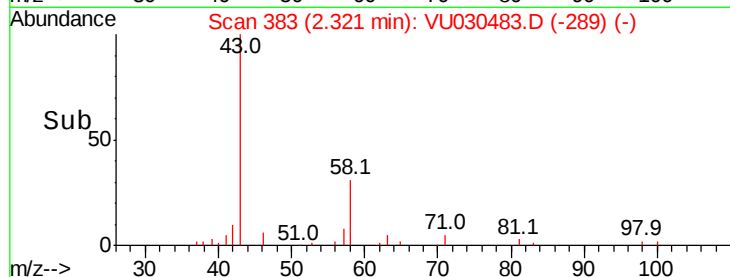
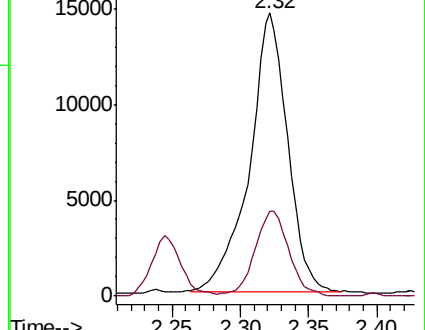
43 100

58 27.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU030472.D (-370) (-)



#22

2-Butanone

Concen: 2.671 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.03 min

Lab File: VU030483.D

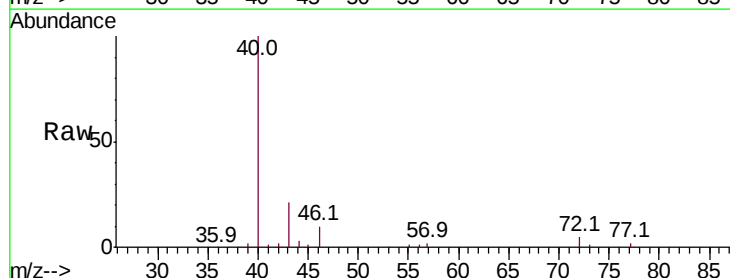
Acq: 27 Mar 2019 15:07

Tgt Ion: 43 Resp: 10508

Ion Ratio Lower Upper

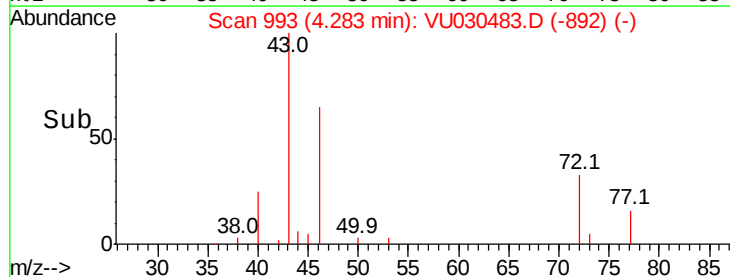
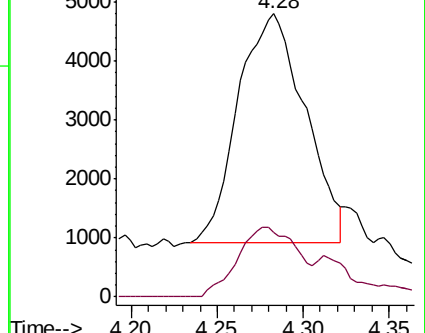
43 100

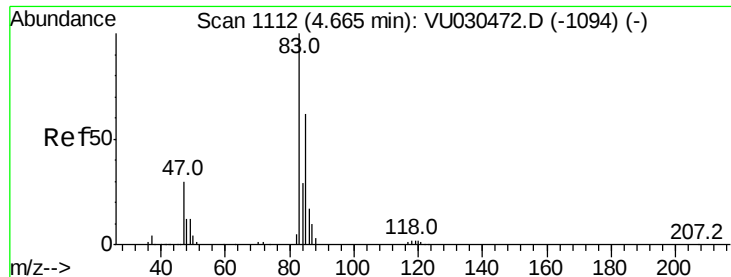
72 27.1 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030472.D (-967) (-)





#25

Chloroform

Concen: 29.480 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

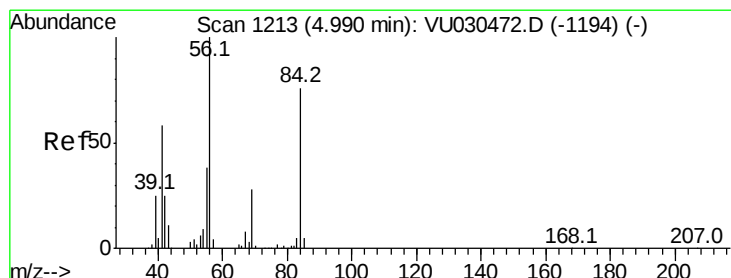
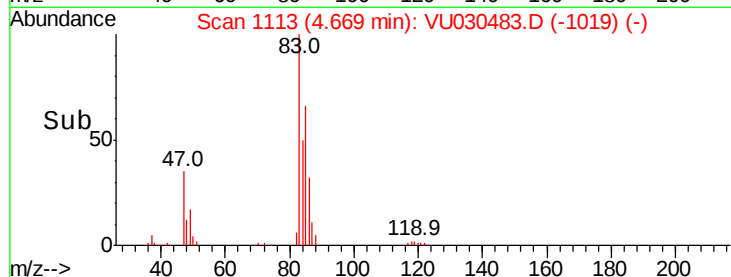
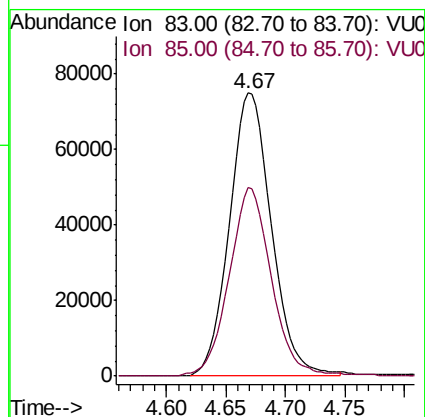
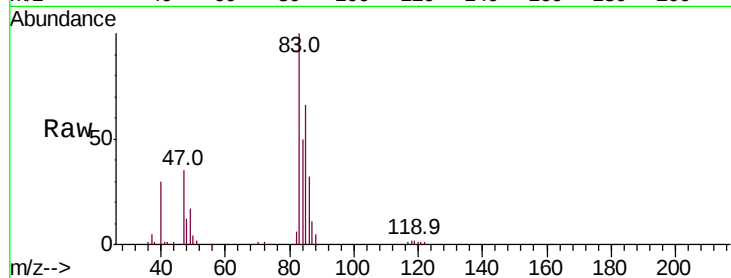
DB6S1

Tot Ion: 83 Resp: 183649

Ion Ratio Lower Upper

83 100

85 66.5 44.4 82.4



#29

Cyclohexane

Concen: 9.438 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

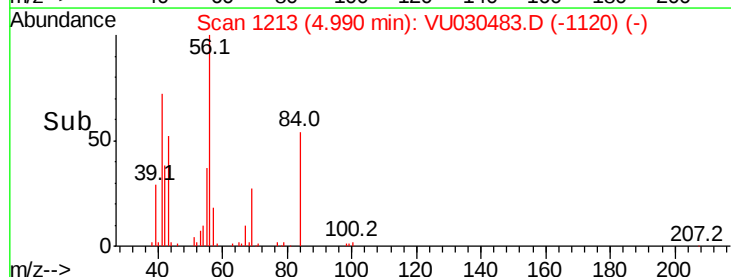
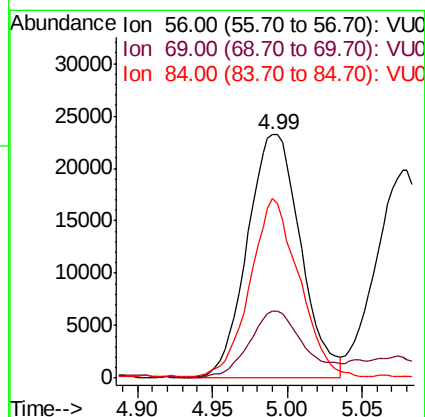
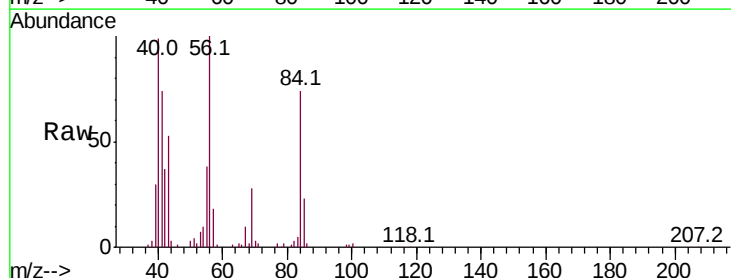
Tgt Ion: 56 Resp: 57783

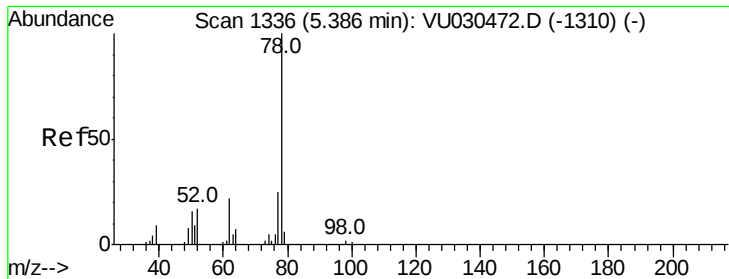
Ion Ratio Lower Upper

56 100

69 28.4 22.9 34.3

84 67.1 58.9 88.3





#33

Benzene

Concen: 112.165 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

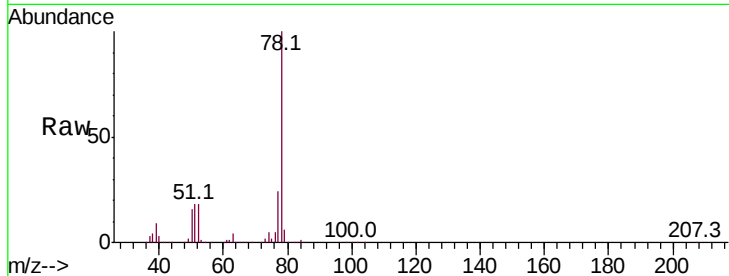
Instrument :

MSVOA_U

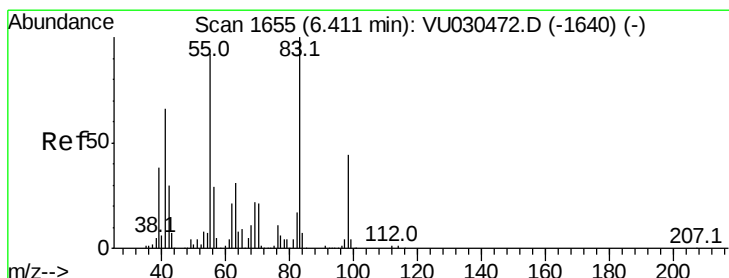
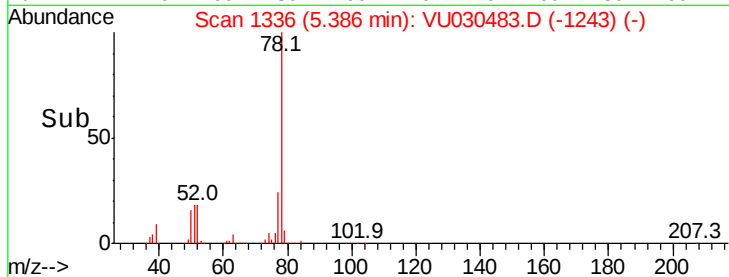
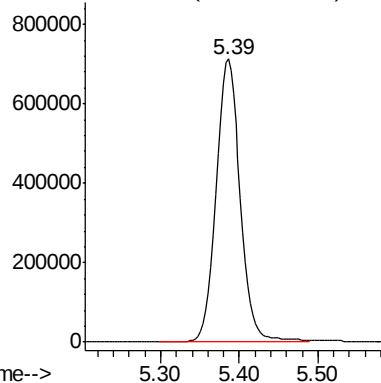
ClientSampleId :

DB6S1

Tgt Ion: 78 Resp: 1544735



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 9.077 ug/L

RT: 6.41 min Scan# 1655

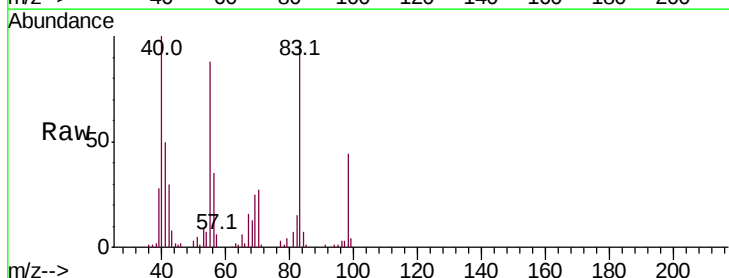
Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

Tgt Ion: 83 Resp: 50567

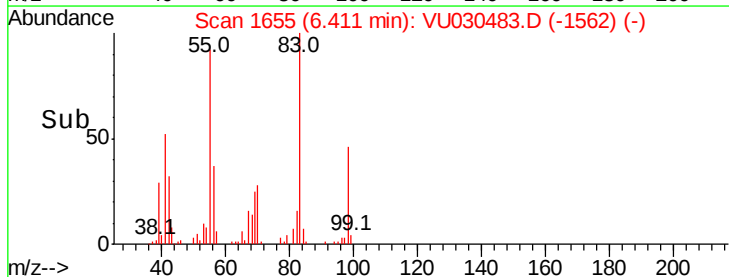
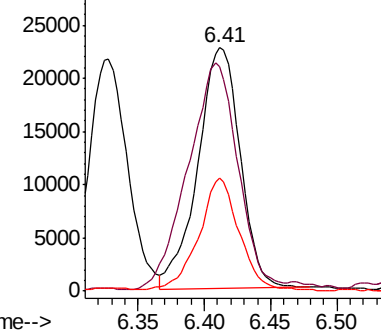
Ion	Ratio	Lower	Upper
83	100		
55	111.0	71.4	107.0#
98	45.2	36.0	54.0

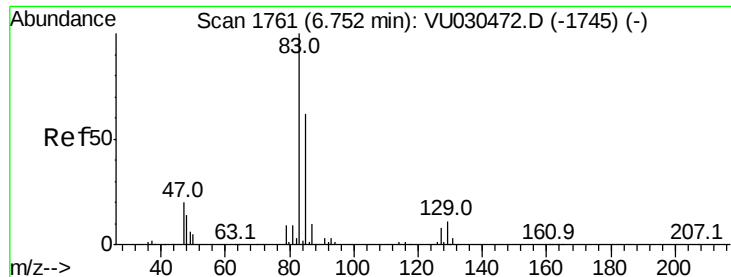


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#38

Bromodichloromethane

Concen: 5.413 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

DB6S1

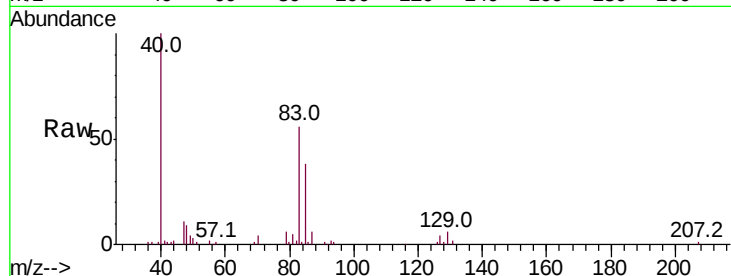
Tot Ion: 83 Resp: 25139

Ion Ratio Lower Upper

83 100

85 68.4 45.0 83.6

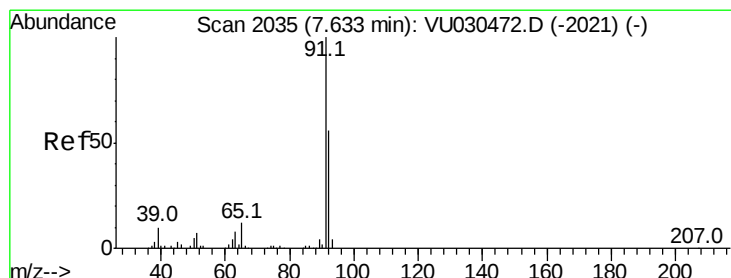
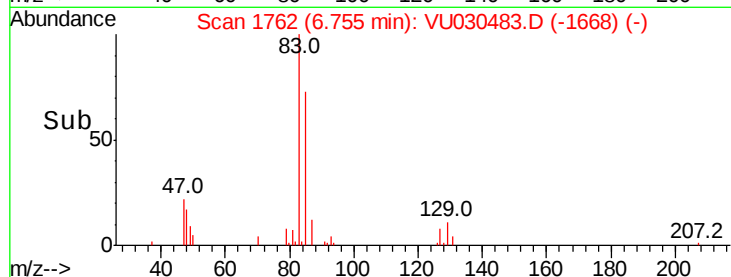
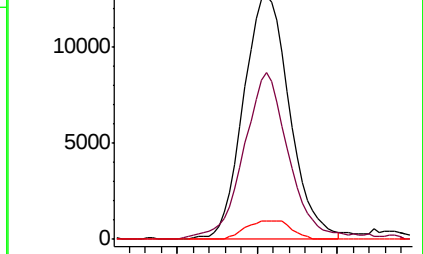
127 7.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU030472.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU030472.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU030472.D (-1745) (-)



#42

Toluene

Concen: 238.958 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030483.D

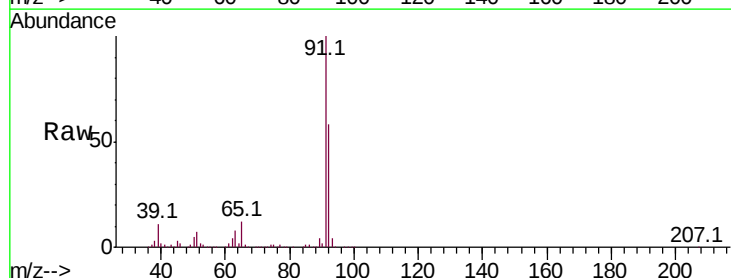
Acq: 27 Mar 2019 15:07

Tgt Ion: 91 Resp: 3415403

Ion Ratio Lower Upper

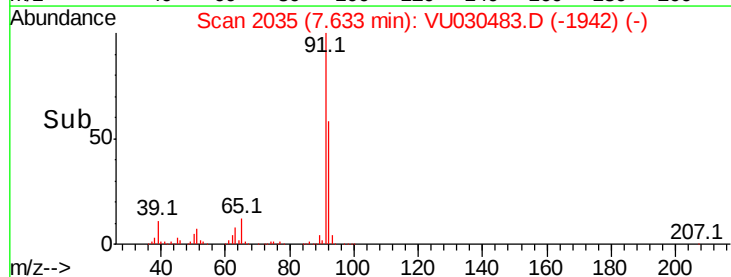
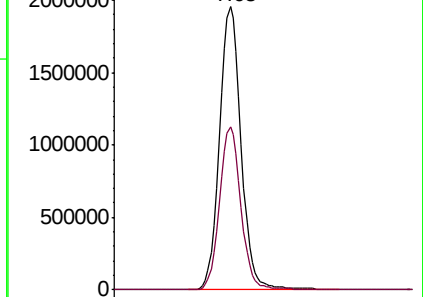
91 100

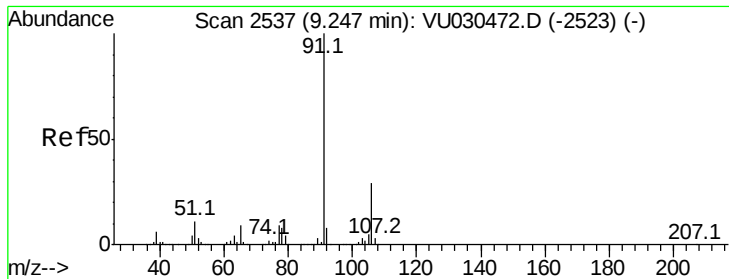
92 57.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030472.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU030472.D (-2021) (-)





#52

Ethylbenzene

Concen: 44.893 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

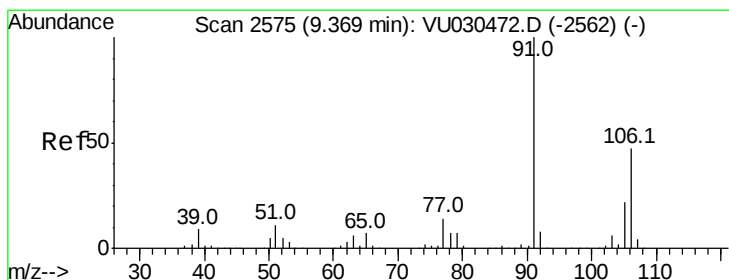
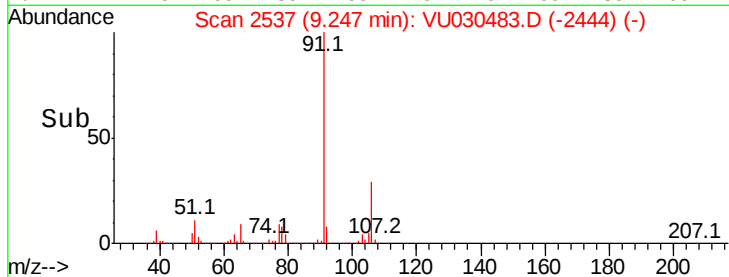
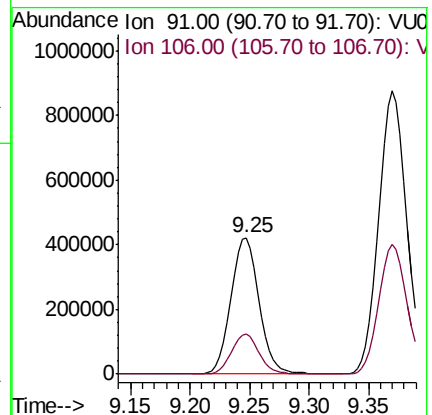
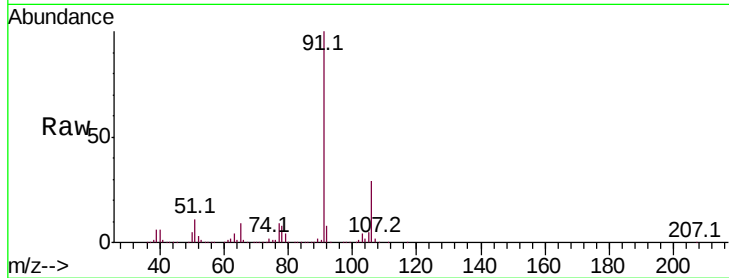
DB6S1

Tot Ion: 91 Resp: 695084

Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.2



#53

m,p-Xylene

Concen: 119.924 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030483.D

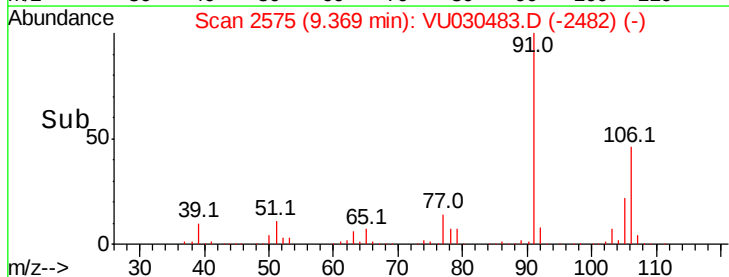
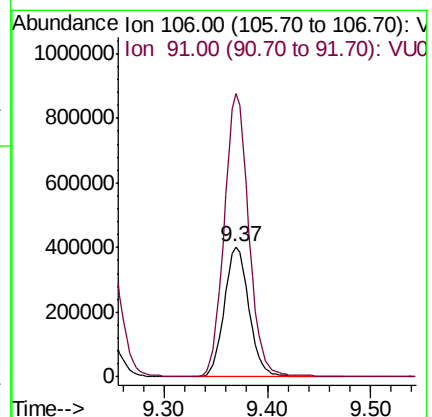
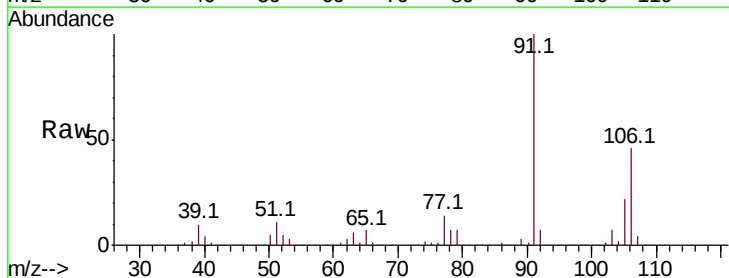
Acq: 27 Mar 2019 15:07

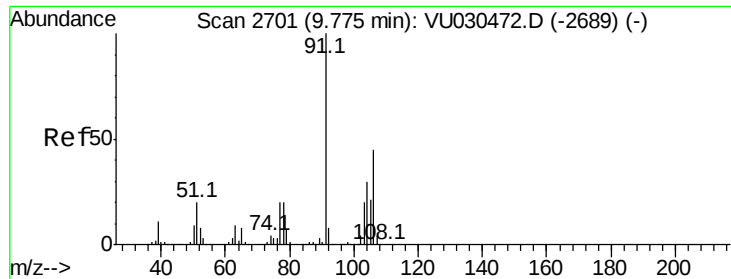
Tgt Ion: 106 Resp: 670440

Ion Ratio Lower Upper

106 100

91 218.0 151.2 280.8





#54

o-xylene

Concen: 57.422 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

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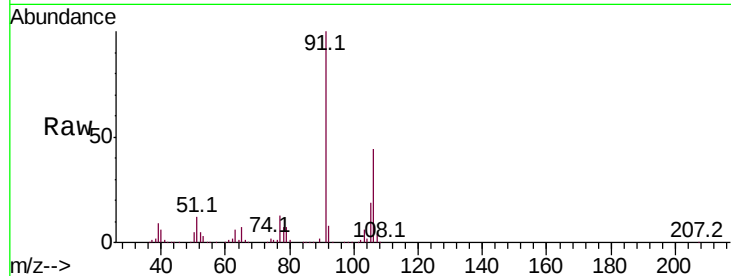
DB6S1

Tot Ion:106 Resp: 313235

Ion Ratio Lower Upper

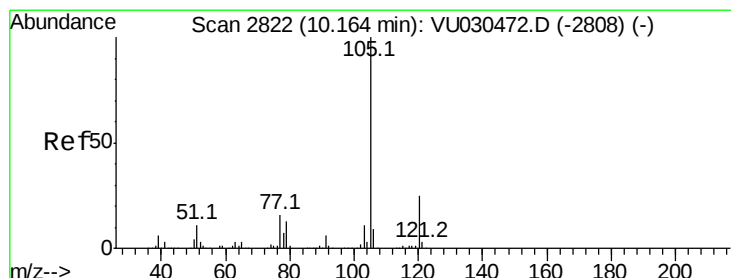
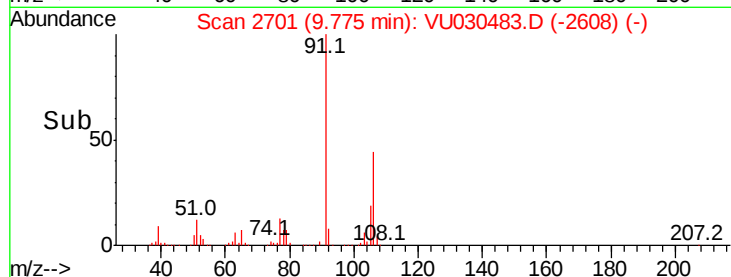
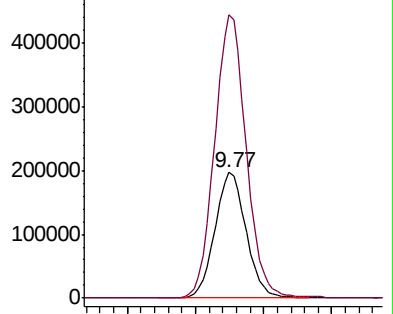
106 100

91 224.9 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 2.926 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030483.D

Acq: 27 Mar 2019 15:07

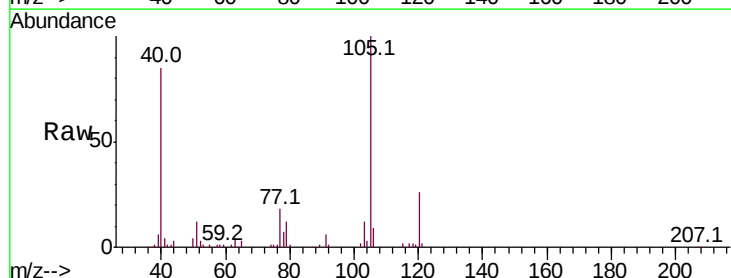
Tgt Ion:105 Resp: 42261

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

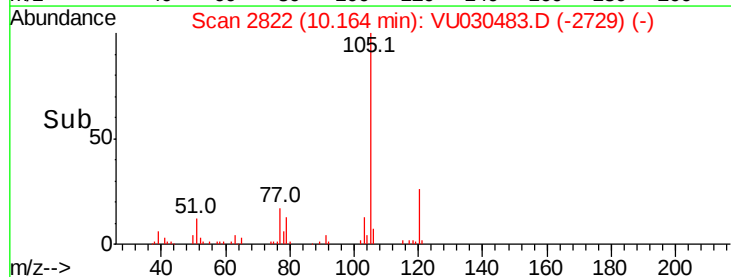
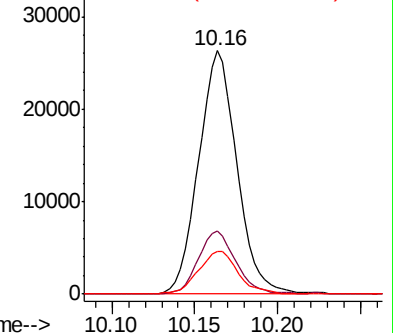
77 18.1 13.2 19.8

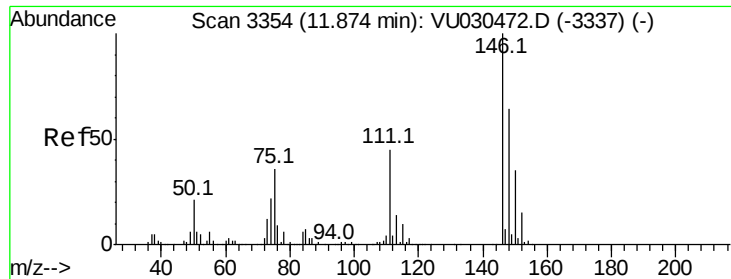


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

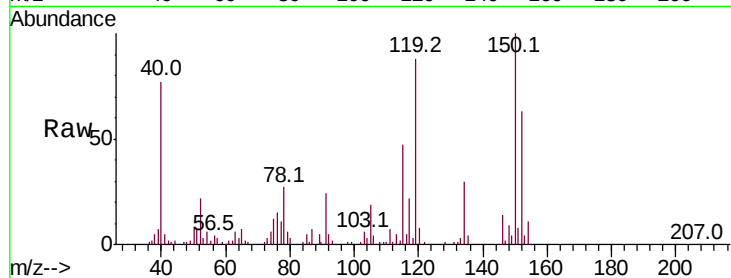




#65
 1,2-Dichlorobenzene
 Concen: 1.193 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030483.D
 Acq: 27 Mar 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S1

Tot Ion:146 Resp: 7226
 Ion Ratio Lower Upper
 146 100
 111 49.8 34.9 52.3
 148 61.6 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

