

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030494.D
 Acq On : 27 Mar 2019 19:31
 Operator : JC/SP
 Sample : K2063-14DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S1DL

Quant Time: Mar 28 03:59:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	432464	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	417847	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171071	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	159130	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.44%
7) Chloroethane-d5	1.68	69	134566	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.56%
11) 1,1-Dichloroethene-d2	2.27	63	230834	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
21) 2-Butanone-d5	4.17	46	314382	96.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.09%
24) Chloroform-d	4.64	84	295774	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.31	65	199602	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.74%
32) Benzene-d6	5.34	84	589814	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.33	67	212636	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.74%
41) Toluene-d8	7.56	98	505416	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%
43) trans-1,3-Dichloropropene-	7.85	79	92228	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.31	63	204321	91.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	288219	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	175151	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

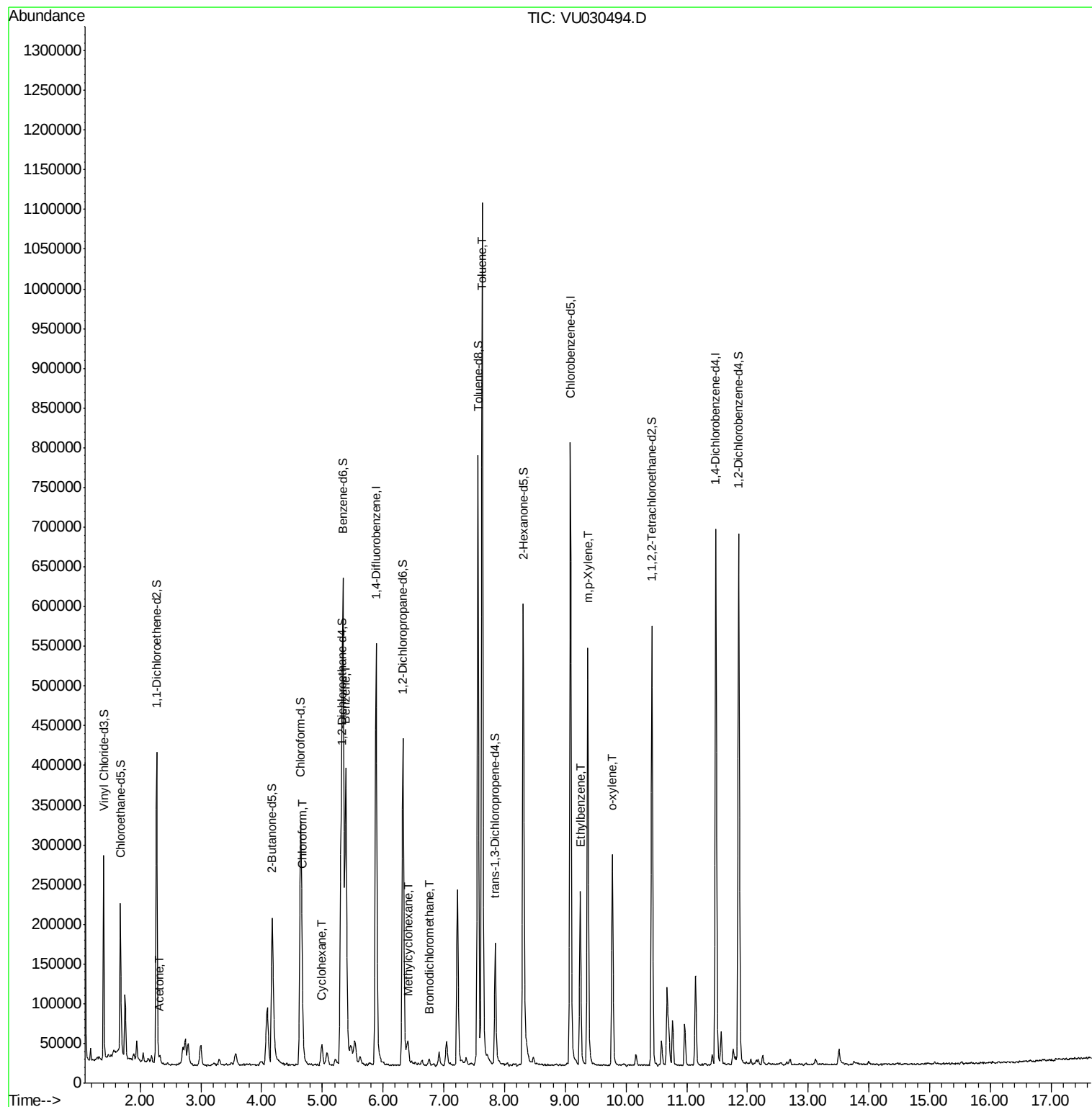
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	7212	2.180	ug/L	88
25) Chloroform	4.67	83	42519	6.715	ug/L	94
29) Cyclohexane	4.99	56	12547	1.984	ug/L	95
33) Benzene	5.39	78	364563	25.630	ug/L	100
35) Methylcyclohexane	6.41	83	10204	1.773	ug/L #	77
38) Bromodichloromethane	6.76	83	6129	1.278	ug/L	96
42) Toluene	7.63	91	800931	54.256	ug/L	100
52) Ethylbenzene	9.25	91	154529	9.663	ug/L	98
53) m,p-Xylene	9.37	106	147245	25.501	ug/L	99
54) o-xylene	9.78	106	68169	12.100	ug/L	95

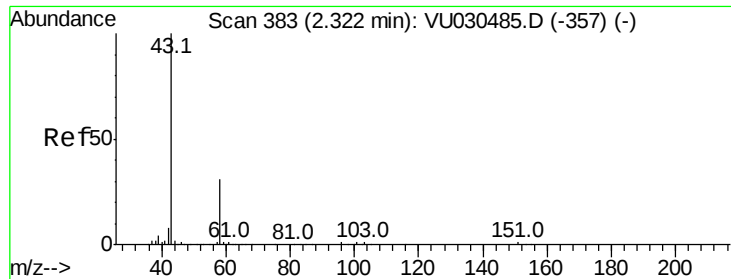
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.180 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

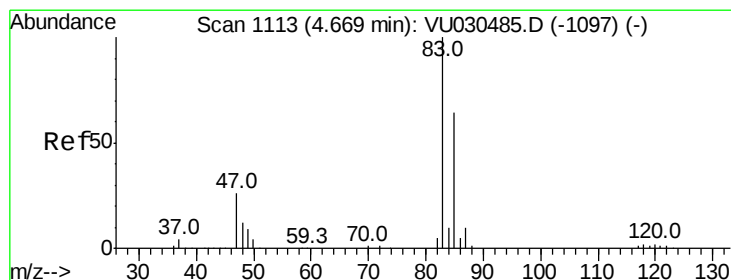
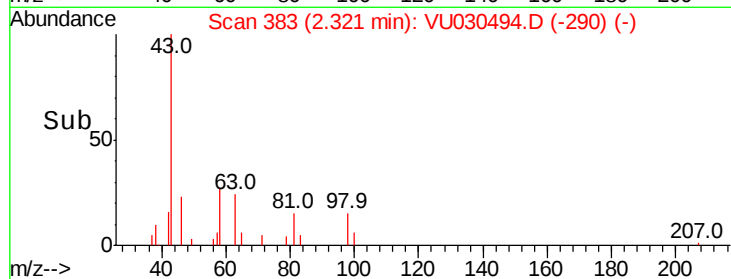
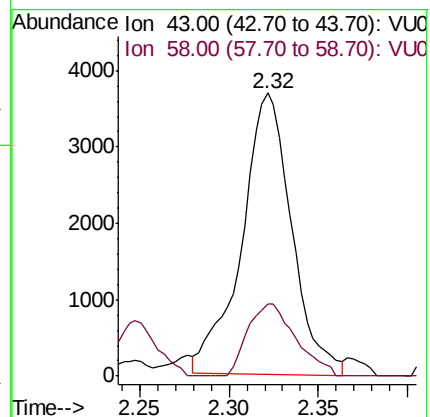
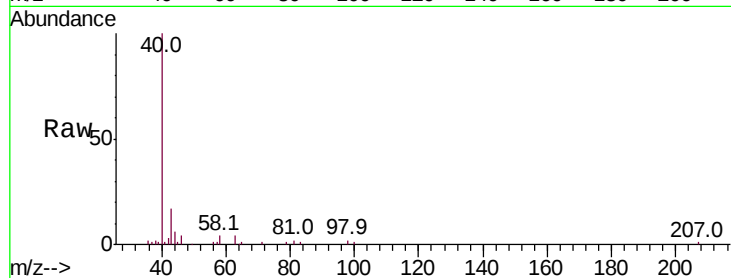
DB6S1DL

Tot Ion: 43 Resp: 7212

Ion Ratio Lower Upper

43 100

58 24.6 0.0 62.8



#25

Chloroform

Concen: 6.715 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030494.D

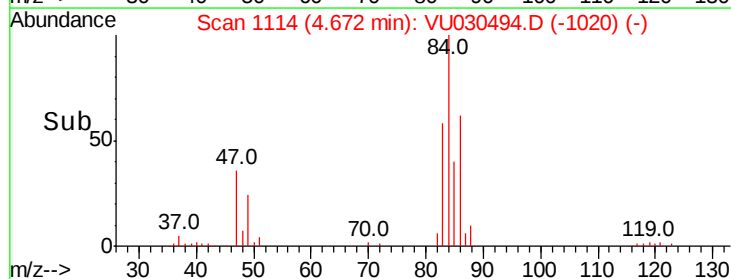
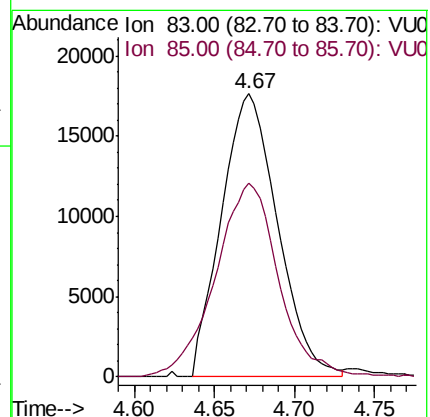
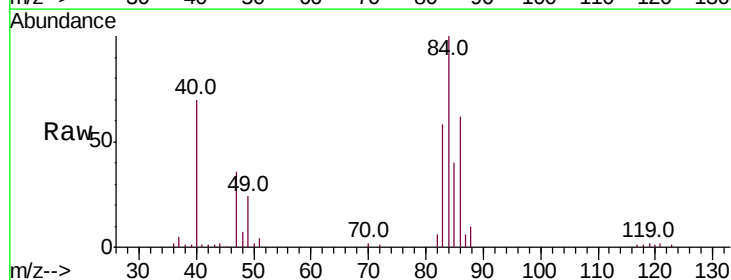
Acq: 27 Mar 2019 19:31

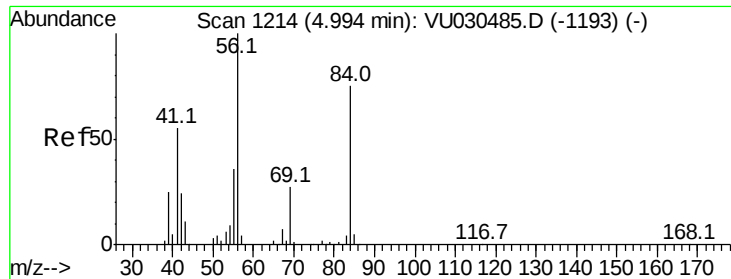
Tgt Ion: 83 Resp: 42519

Ion Ratio Lower Upper

83 100

85 68.3 44.4 82.4

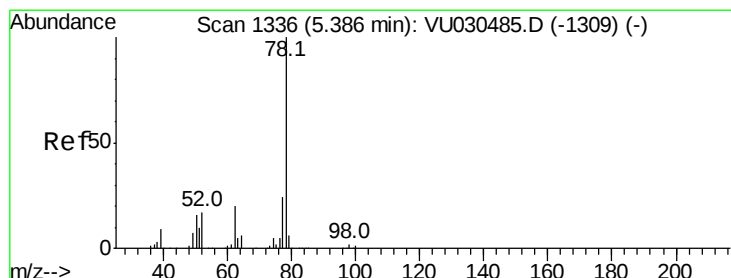
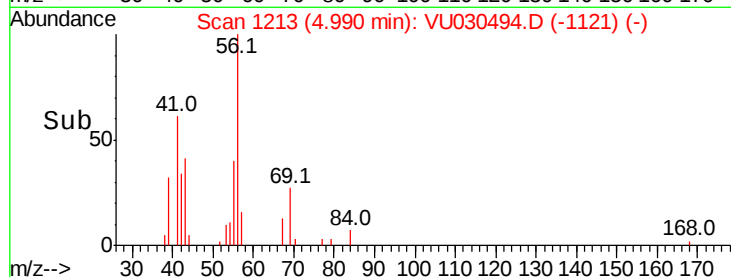
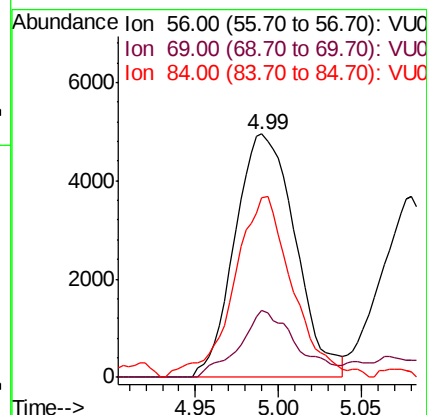
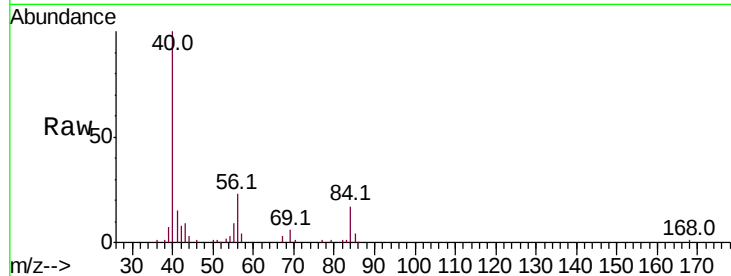




#29
Cyclohexane
Concen: 1.984 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

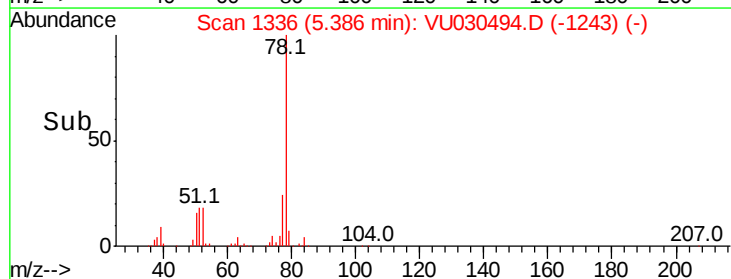
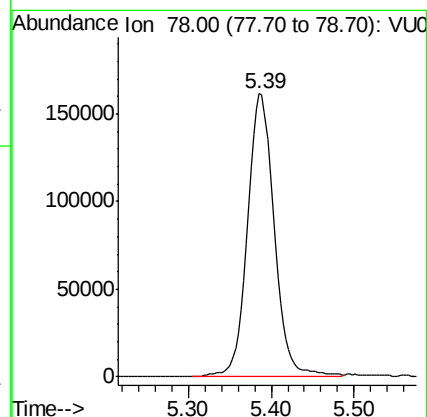
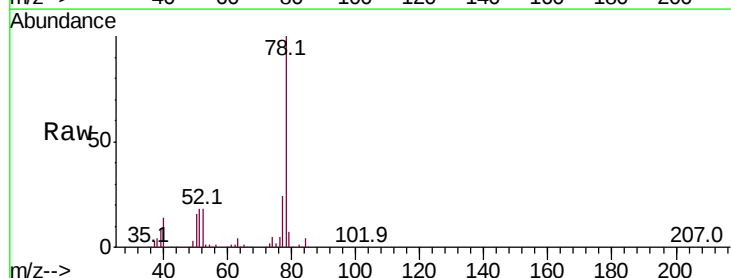
Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

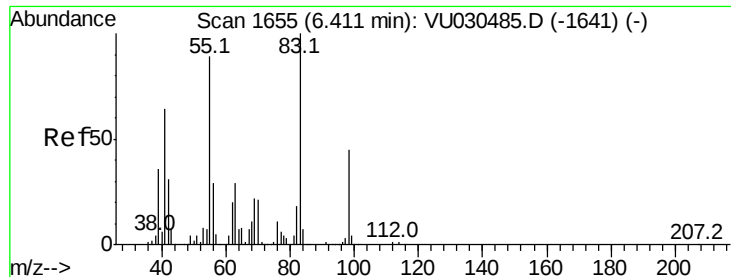
Tot Ion: 56 Resp: 12547
Ion Ratio Lower Upper
56 100
69 23.4 22.9 34.3
84 71.3 58.9 88.3



#33
Benzene
Concen: 25.630 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Tgt Ion: 78 Resp: 364563

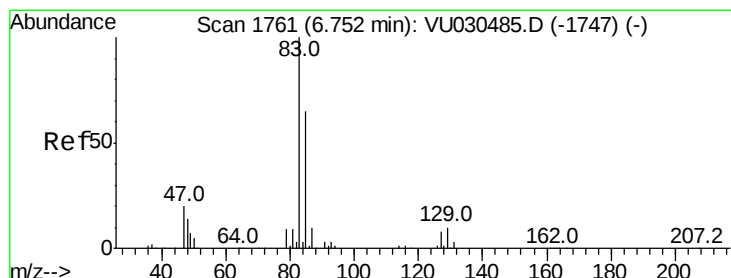
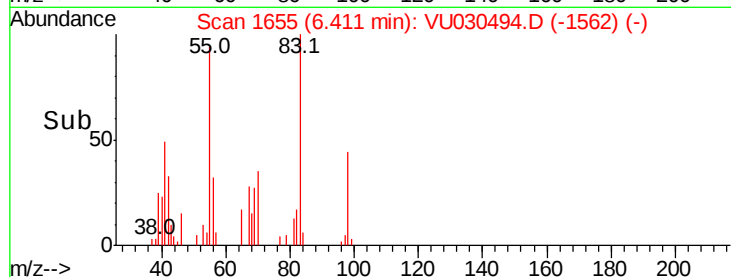
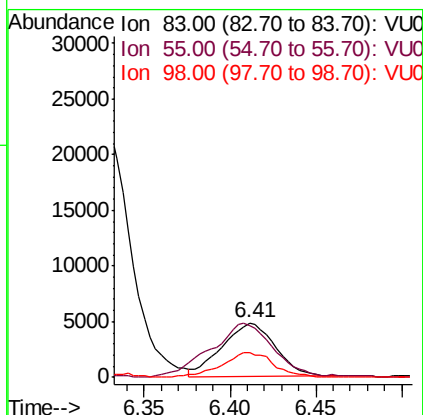
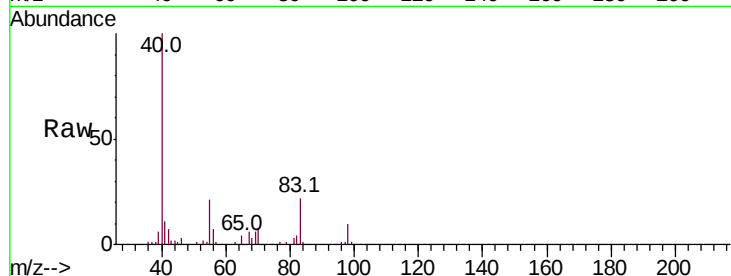




#35
Methylcyclohexane
Concen: 1.773 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

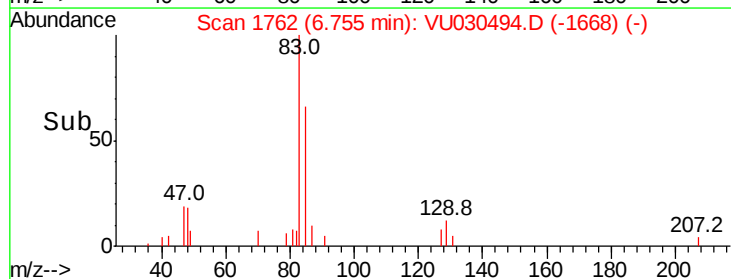
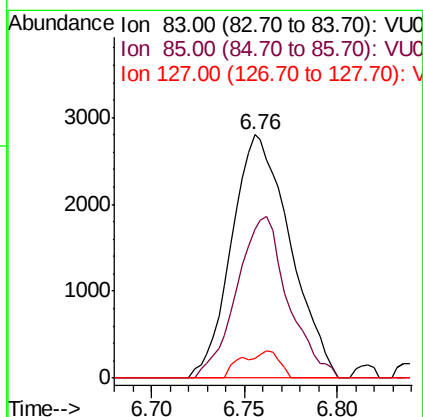
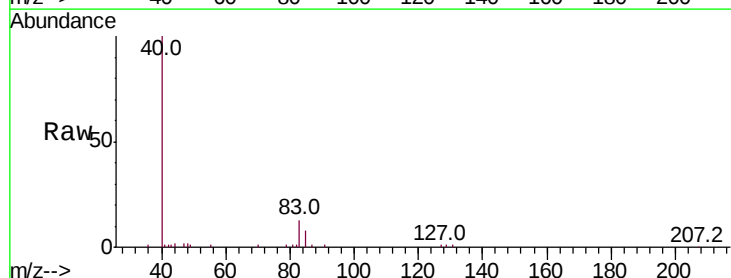
Instrument :
MSVOA_U
ClientSampleId :
DB6S1DL

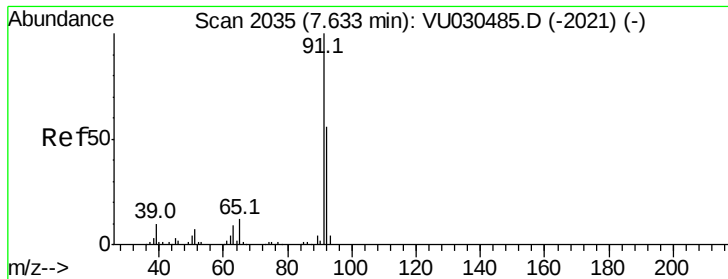
Tot Ion: 83 Resp: 10204
Ion Ratio Lower Upper
83 100
55 121.4 71.4 107.0#
98 46.1 36.0 54.0



#38
Bromodichloromethane
Concen: 1.278 ug/L
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030494.D
Acq: 27 Mar 2019 19:31

Tgt Ion: 83 Resp: 6129
Ion Ratio Lower Upper
83 100
85 61.0 45.0 83.6
127 7.8 6.6 10.0





#42

Toluene

Concen: 54.256 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

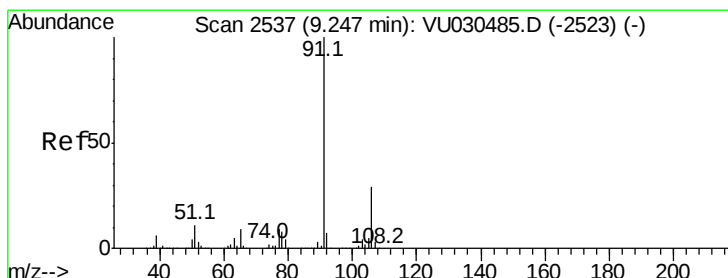
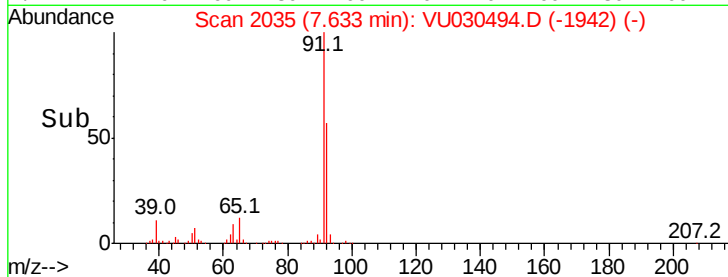
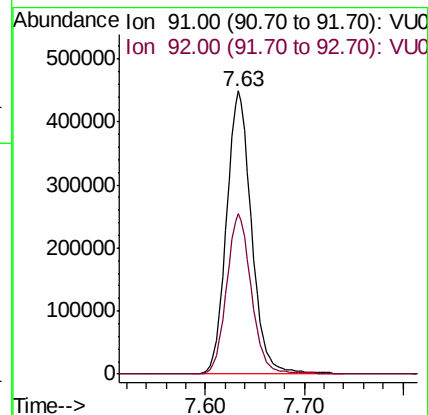
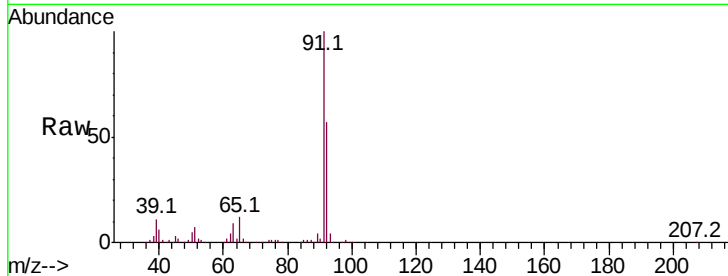
DB6S1DL

Tot Ion: 91 Resp: 800931

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



#52

Ethylbenzene

Concen: 9.663 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030494.D

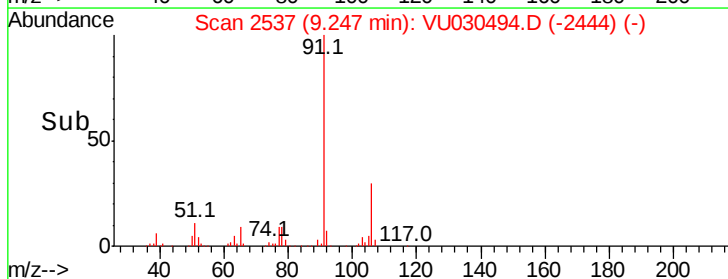
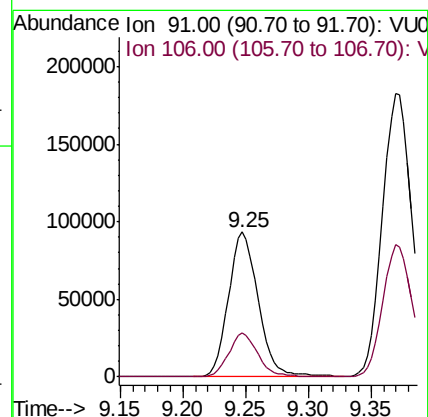
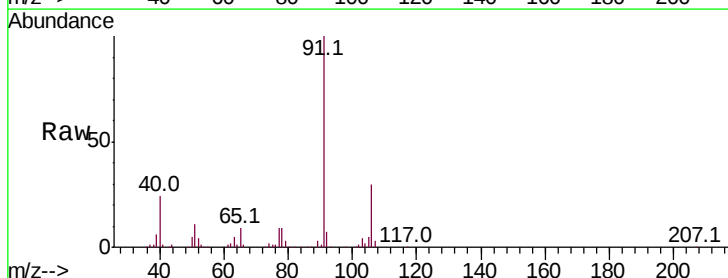
Acq: 27 Mar 2019 19:31

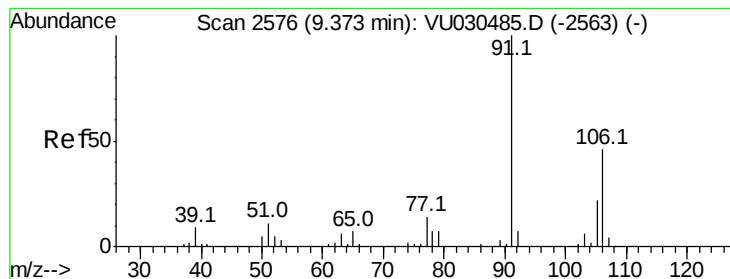
Tgt Ion: 91 Resp: 154529

Ion Ratio Lower Upper

91 100

106 30.4 20.6 38.2





#53

m,p-Xylene

Concen: 25.501 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030494.D

Acq: 27 Mar 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

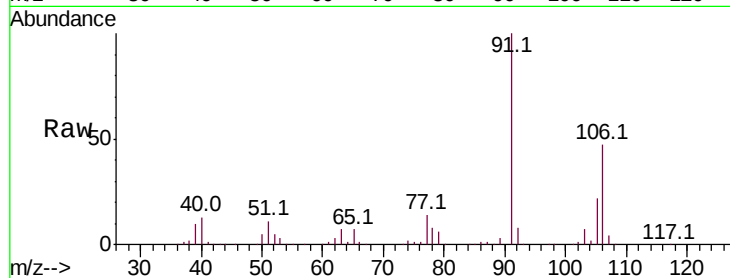
DB6S1DL

Tot Ion:106 Resp: 147245

Ion Ratio Lower Upper

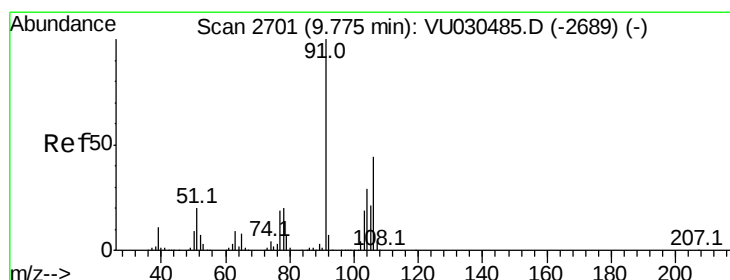
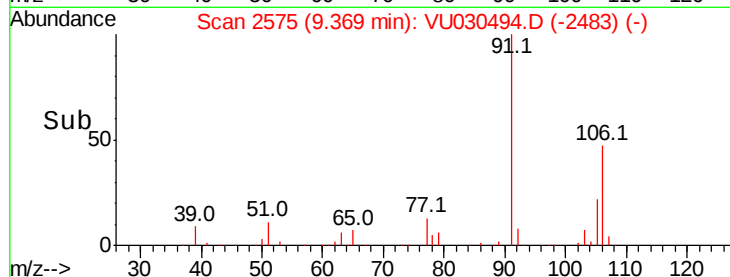
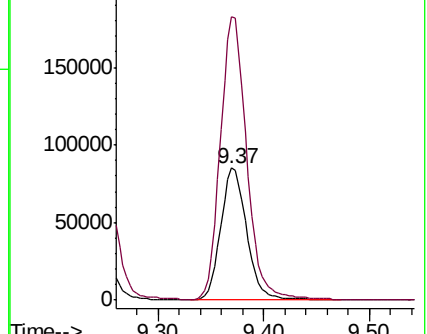
106 100

91 214.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 12.100 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030494.D

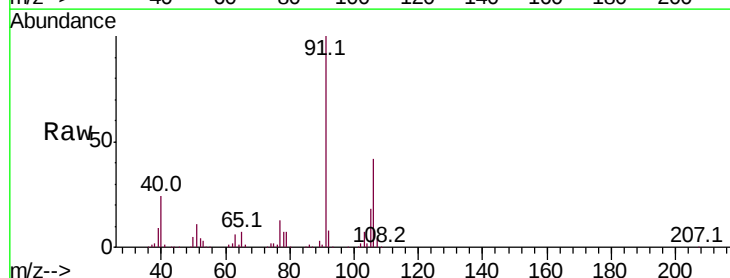
Acq: 27 Mar 2019 19:31

Tgt Ion:106 Resp: 68169

Ion Ratio Lower Upper

106 100

91 236.9 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

