

Data File : VU032309.D
Acq On : 24 May 2019 13:26
Operator : JC/SP
Sample : K3001-11 25X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF6

Quant Time: May 24 23:36:54 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	761941	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	772917	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	355990	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	209457	52.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.18%
7) Chloroethane-d5	1.67	69	193685	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.34%
11) 1,1-Dichloroethene-d2	2.27	63	310273	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.56%
21) 2-Butanone-d5	4.17	46	344103	90.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.56%
24) Chloroform-d	4.64	84	454419	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.30	65	287331	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.10%
32) Benzene-d6	5.34	84	932343	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
36) 1,2-Dichloropropane-d6	6.32	67	289963	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.58%
41) Toluene-d8	7.56	98	840968	46.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.36%
43) trans-1,3-Dichloropropene-	7.85	79	126712	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
47) 2-Hexanone-d5	8.31	63	226907	86.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	439752	42.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	355590	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%

Target Compounds

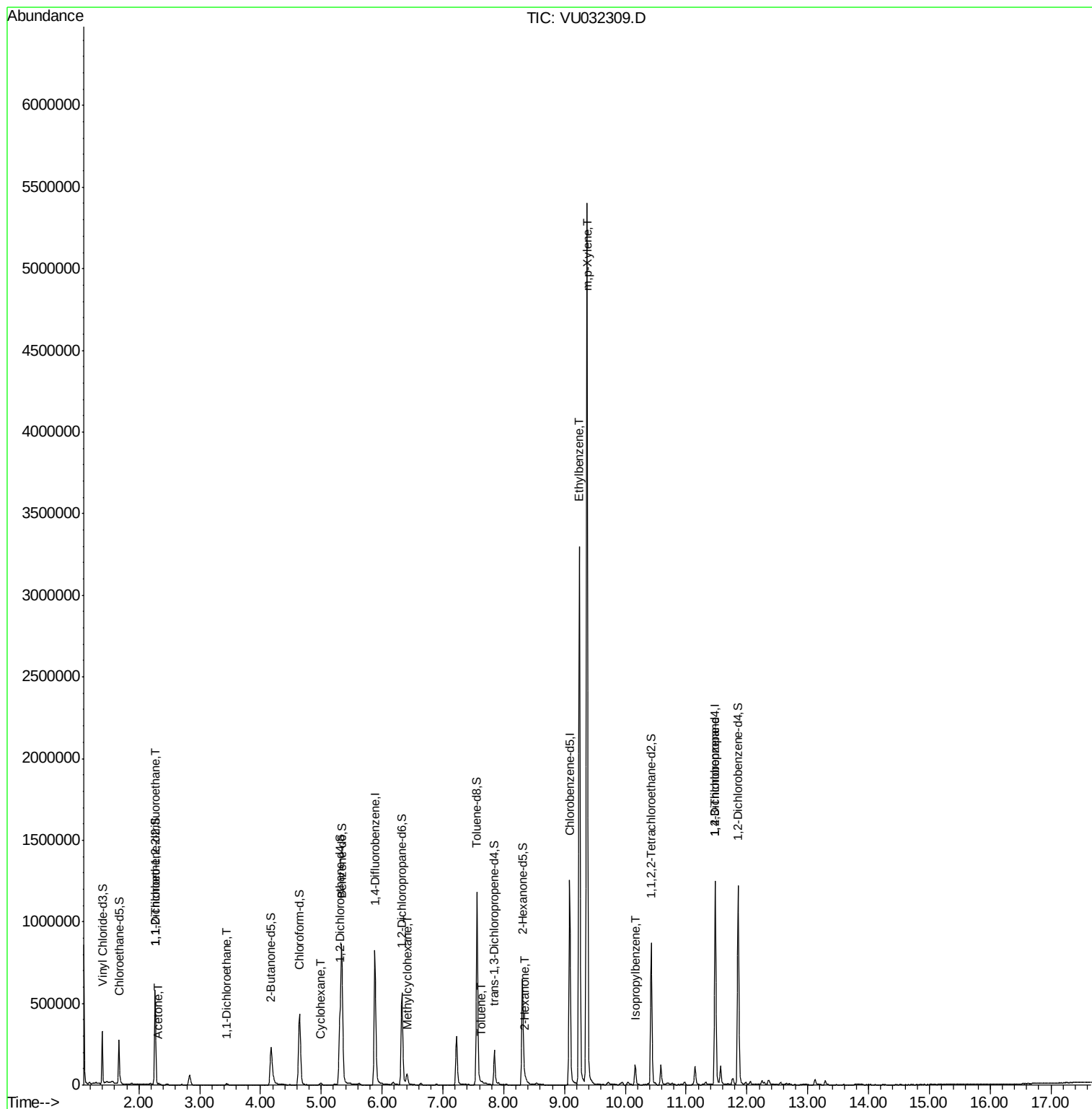
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3311	0.826	ug/L #	19
13) Acetone	2.32	43	2117	0.691	ug/L	80
19) 1,1-Dichloroethane	3.44	63	7934	0.844	ug/L	86
29) Cyclohexane	4.99	56	4863	0.804	ug/L #	64
35) Methylcyclohexane	6.41	83	26336	3.975	ug/L	90
42) Toluene	7.64	91	9273	0.398	ug/L	81
48) 2-Hexanone	8.36	43	15644	2.523	ug/L #	48
52) Ethylbenzene	9.24	91	2414300	102.041	ug/L	100
53) m,p-Xylene	9.37	106	1643338	179.945	ug/L	98
56) Isopropylbenzene	10.16	105	81654	3.671	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	36506	4.289	ug/L	92

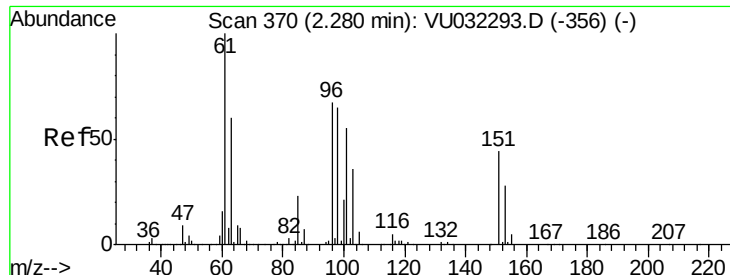
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.826 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032309.D

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Instrument :

MSVOA_U

ClientSampleId :

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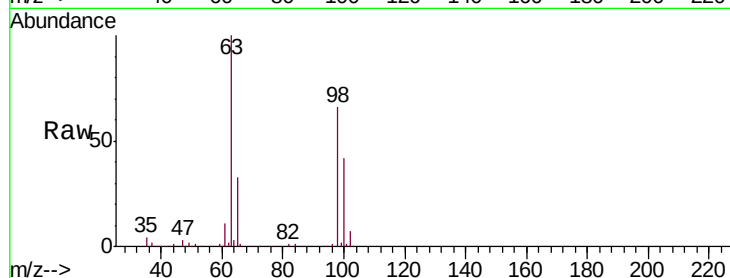
Tgt Ion: 101 Resp: 3311

Ion Ratio Lower Upper

101 100

85 1.3 32.8 49.2#

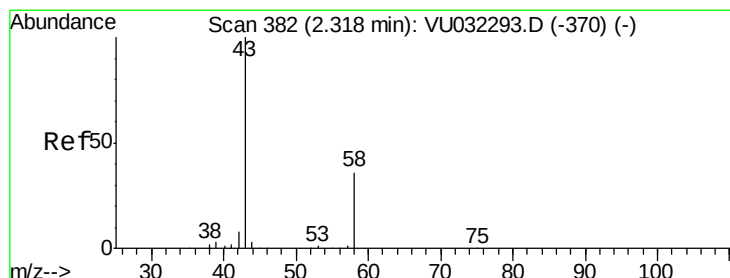
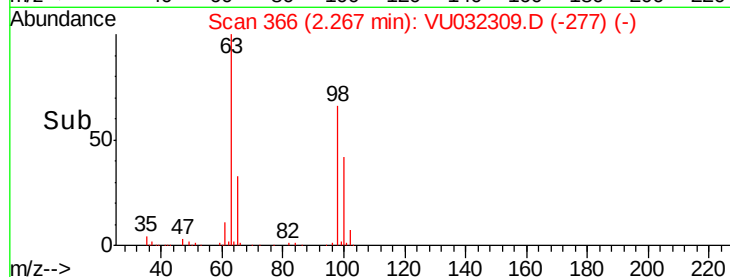
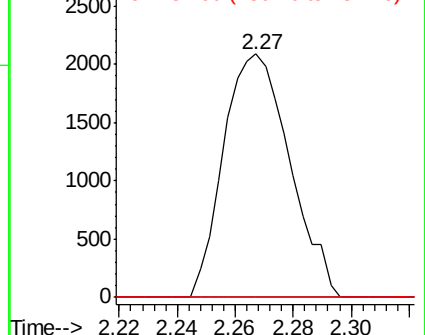
151 0.0 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 0.691 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032309.D

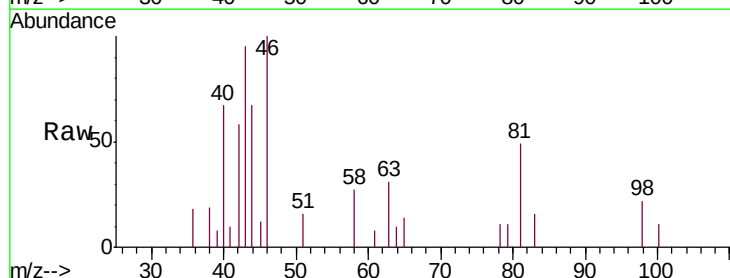
Acq: 24 May 2019 13:26

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

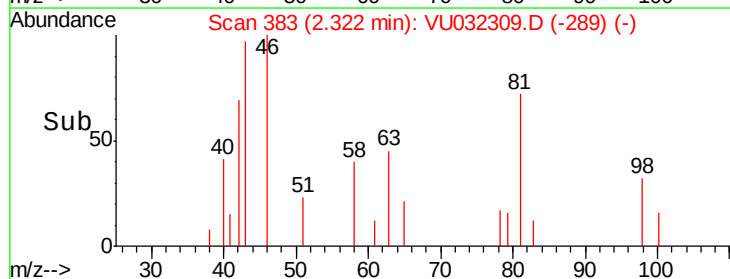
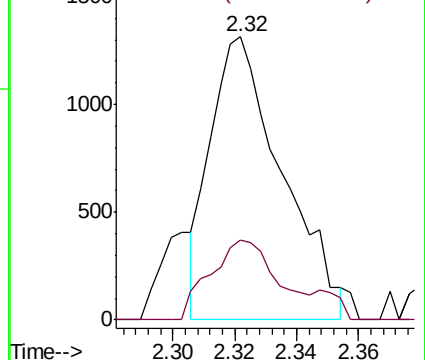
43 100

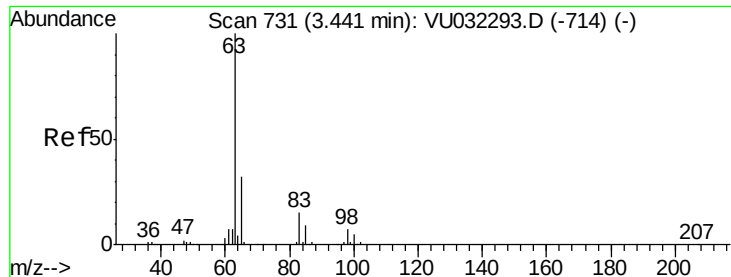
58 26.7 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

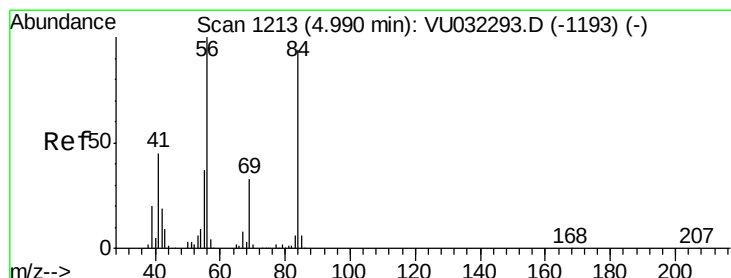
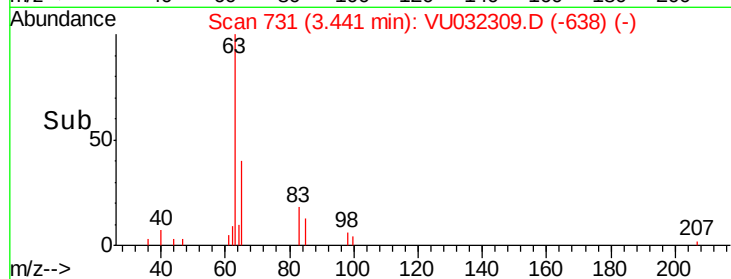
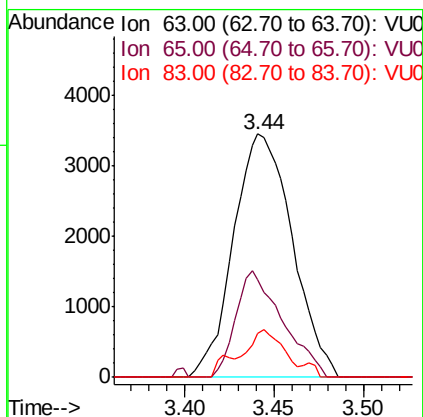
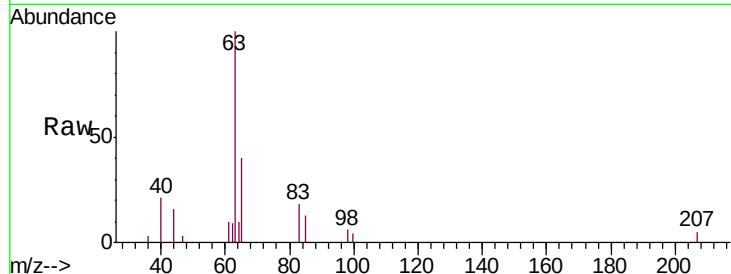




#19
 1,1-Dichloroethane
 Concen: 0.844 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032309.D
 Acq: 24 May 2019 13:26

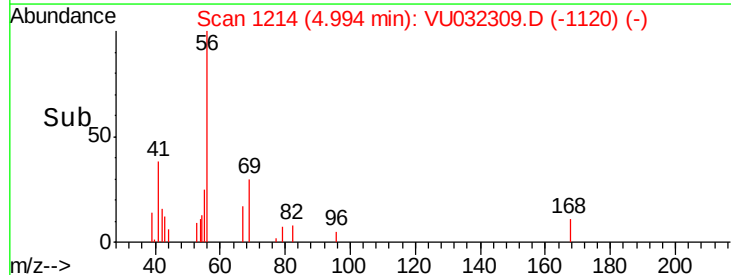
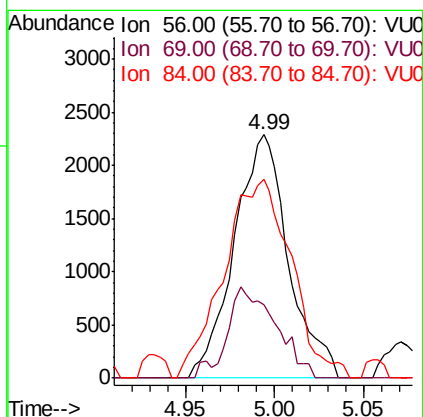
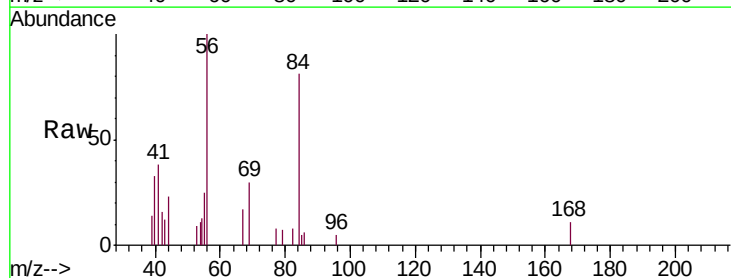
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF6

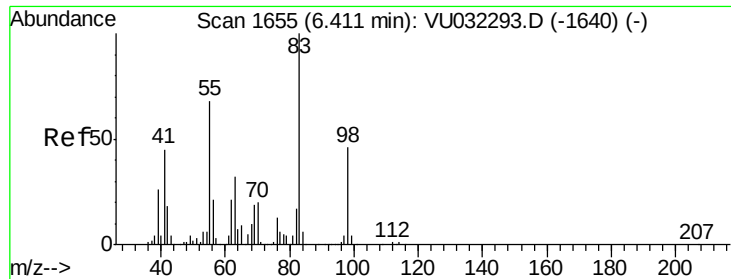
Tgt Ion: 63 Resp: 7934
 Ion Ratio Lower Upper
 63 100
 65 39.9 21.6 40.0
 83 18.1 10.3 19.1



#29
 Cyclohexane
 Concen: 0.804 ug/L
 RT: 4.99 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VU032309.D
 Acq: 24 May 2019 13:26

Tgt Ion: 56 Resp: 4863
 Ion Ratio Lower Upper
 56 100
 69 31.3 26.6 40.0
 84 46.8 73.8 110.8#

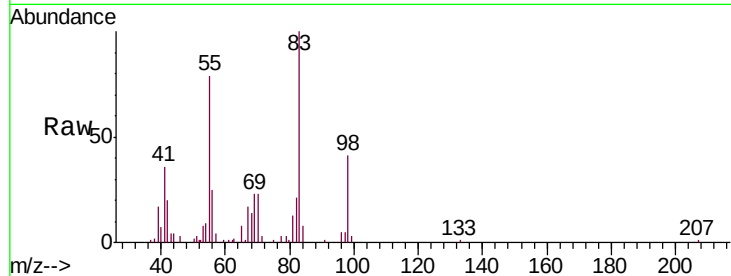




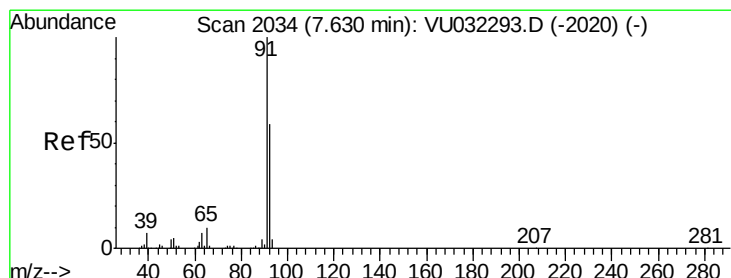
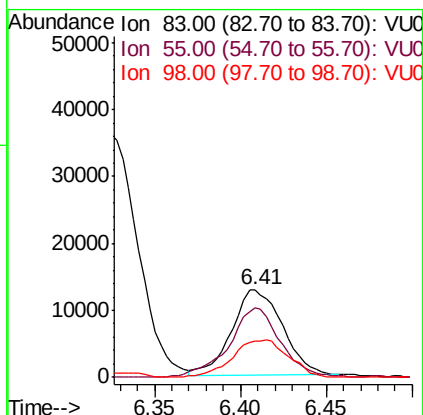
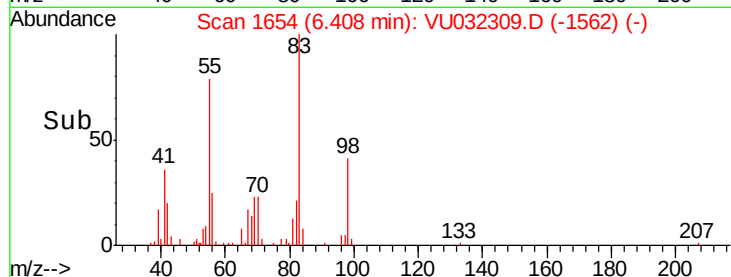
#35
Methylcyclohexane
Concen: 3.975 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU032309.D
Acq: 24 May 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
E3YF6

Tgt Ion: 83 Resp: 26336
Ion Ratio Lower Upper
83 100
55 82.2 56.1 84.1
98 47.5 36.8 55.2

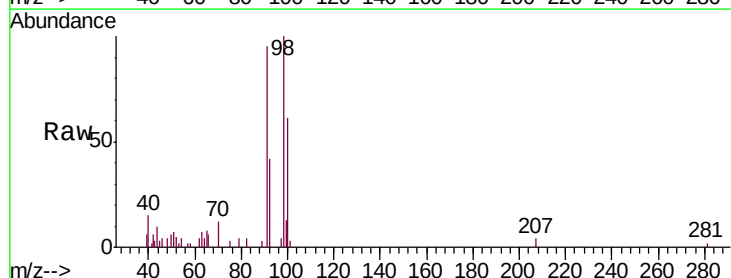


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

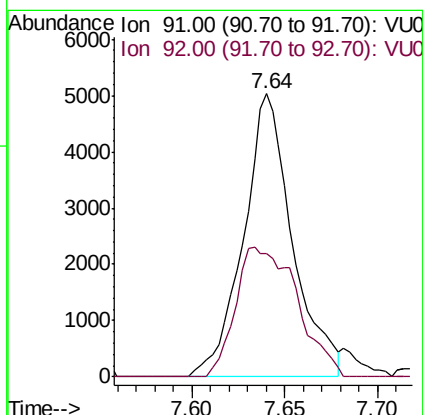
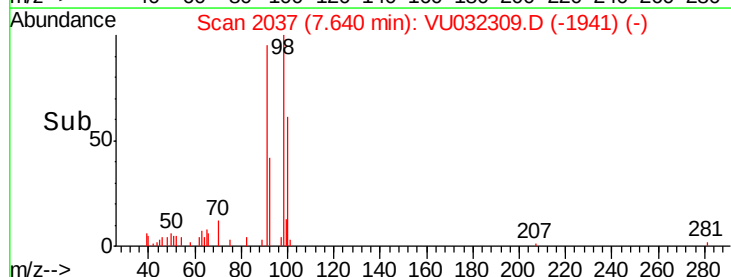


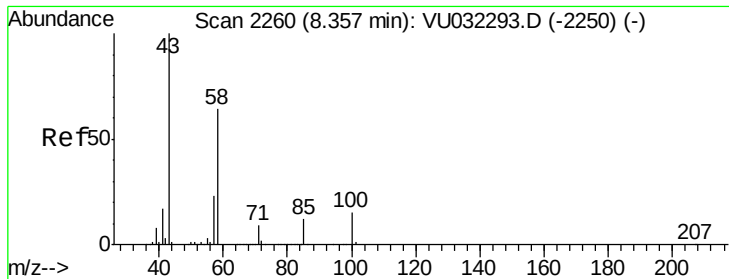
#42
Toluene
Concen: 0.398 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU032309.D
Acq: 24 May 2019 13:26

Tgt Ion: 91 Resp: 9273
Ion Ratio Lower Upper
91 100
92 43.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

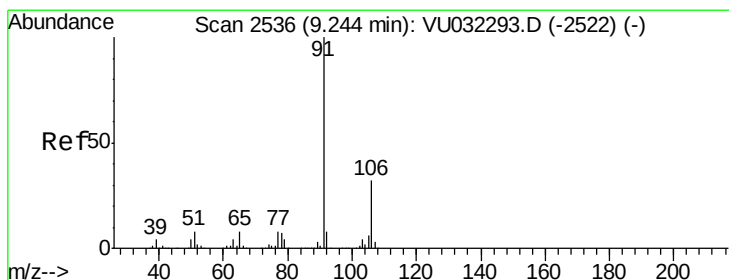
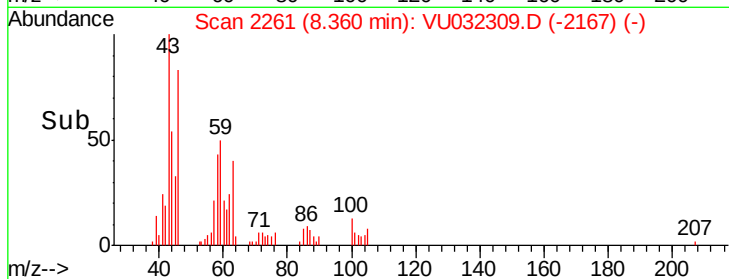
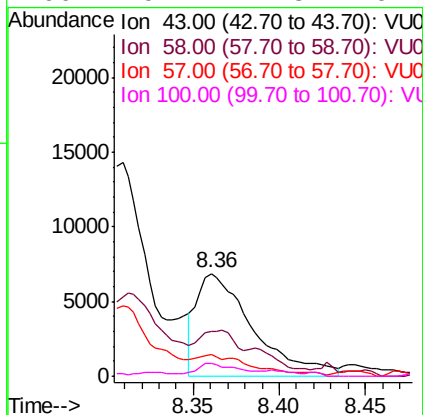
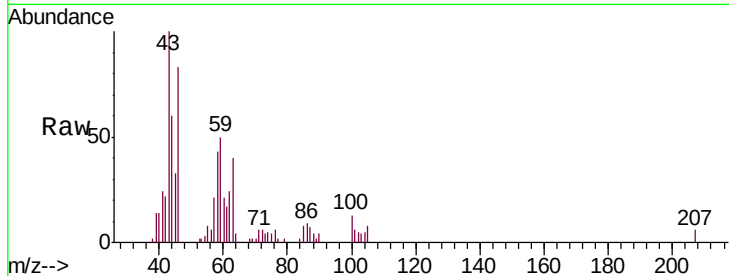




#48
2-Hexanone
Concen: 2.523 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032309.D
Acq: 24 May 2019 13:26

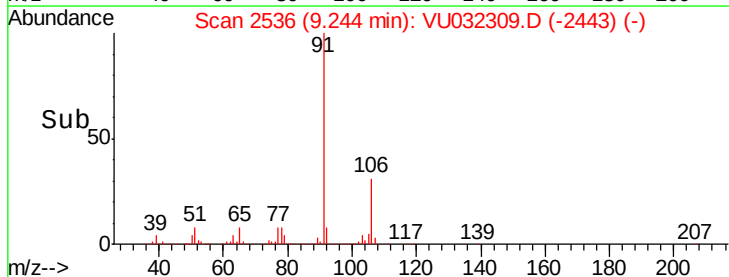
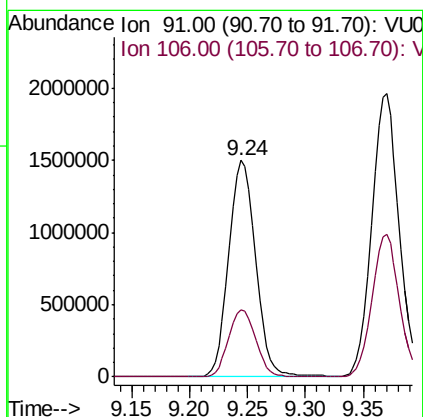
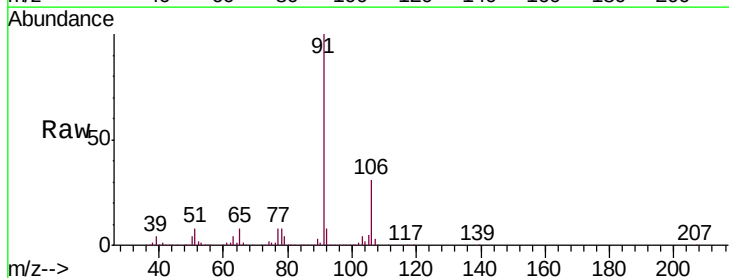
Instrument :
MSVOA_U
ClientSampleId :
E3YF6

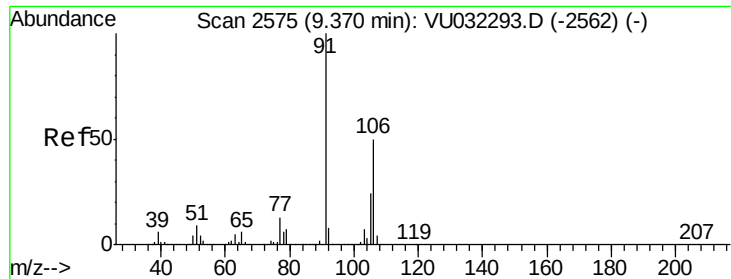
Tgt Ion: 43 Resp: 15644
Ion Ratio Lower Upper
43 100
58 13.9 51.4 77.0#
57 1.6 17.8 26.8#
100 9.7 12.8 19.2#



#52
Ethylbenzene
Concen: 102.041 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU032309.D
Acq: 24 May 2019 13:26

Tgt Ion: 91 Resp: 2414300
Ion Ratio Lower Upper
91 100
106 31.2 22.0 41.0





#53

m,p-Xylene

Concen: 179.945 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032309.D

Acq: 24 May 2019 13:26

Instrument :

MSVOA_U

ClientSampleId :

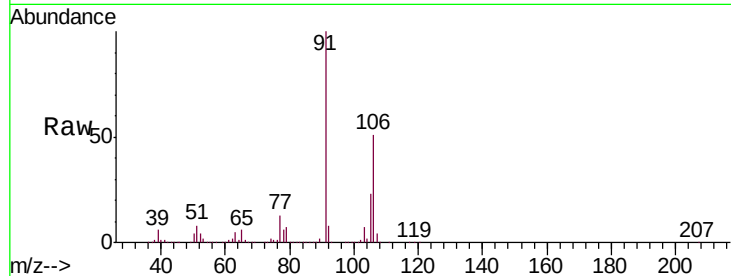
E3YF6

Tgt Ion:106 Resp: 1643338

Ion Ratio Lower Upper

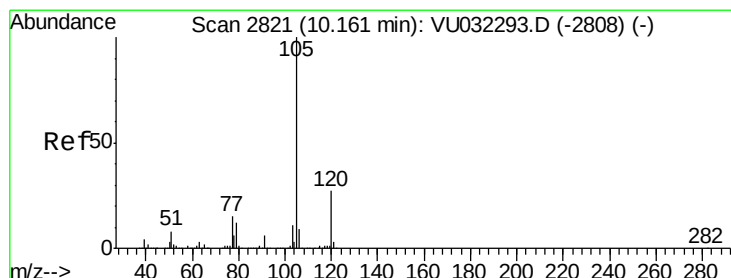
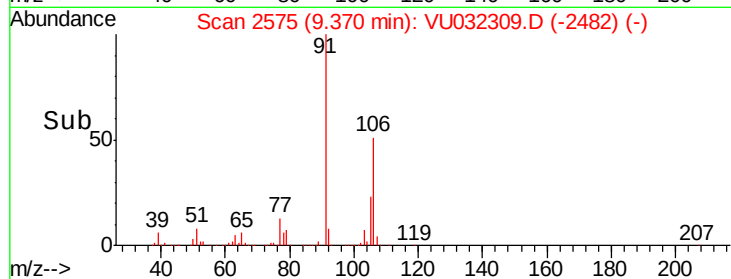
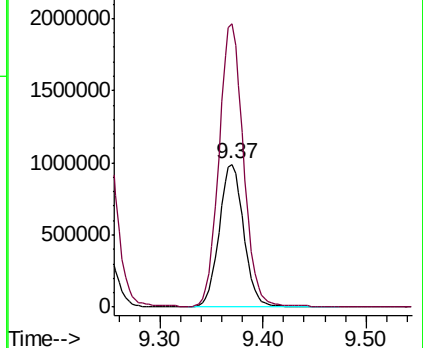
106 100

91 197.7 136.5 253.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 3.671 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032309.D

Acq: 24 May 2019 13:26

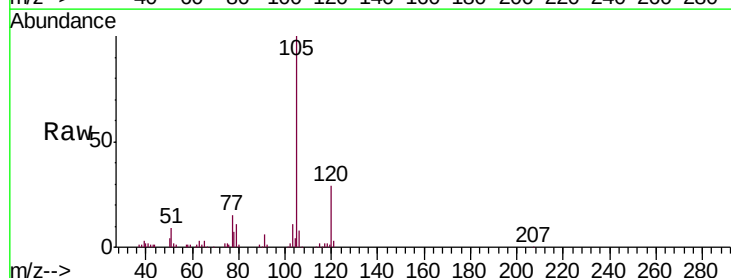
Tgt Ion:105 Resp: 81654

Ion Ratio Lower Upper

105 100

120 27.1 21.0 31.4

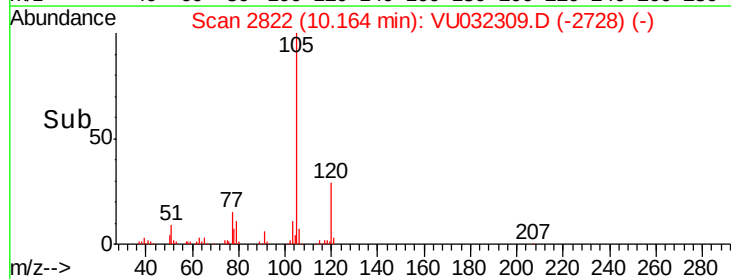
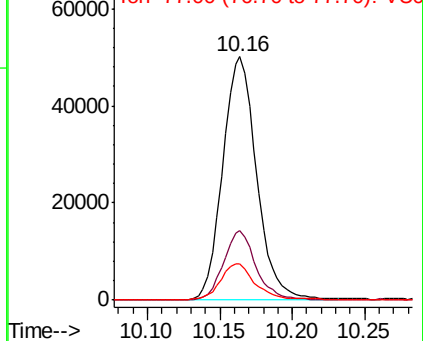
77 15.1 11.8 17.6

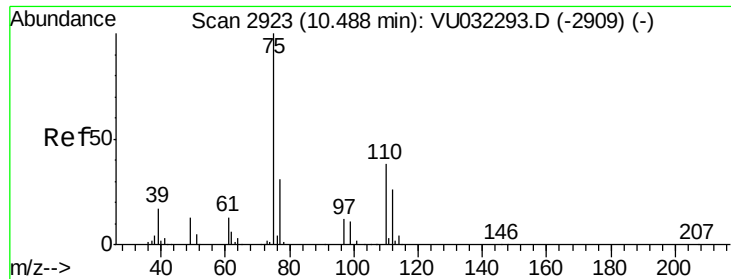


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.289 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032309.D

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Tgt Ion: 75 Resp: 36506

Ion Ratio Lower Upper

75 100

77 36.4 25.7 38.5

