

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032299.D
 Acq On : 24 May 2019 09:27
 Operator : JC/SP
 Sample : K3001-12 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 09:55:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 07:24:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	796818	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	814417	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	381983	50.00	ug/L	0.00

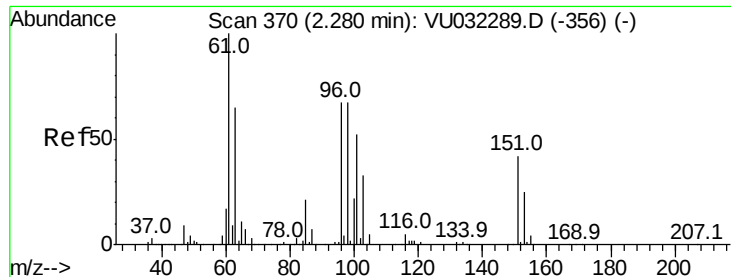
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	238757	57.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.64%
7) Chloroethane-d5	1.67	69	214118	53.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.14%
11) 1,1-Dichloroethene-d2	2.27	63	345235	41.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.58%
21) 2-Butanone-d5	4.17	46	343299	86.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.39%
24) Chloroform-d	4.64	84	478010	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
26) 1,2-Dichloroethane-d4	5.30	65	297802	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
32) Benzene-d6	5.33	84	1018099	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.32	67	307488	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.56	98	927998	48.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.78%
43) trans-1,3-Dichloropropene-	7.85	79	136021	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.31	63	248042	89.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	457326	41.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	396545	49.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3725	0.889	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	3120	0.668	ug/L #	1
13) Acetone	2.32	43	4984	1.556	ug/L	97
20) cis-1,2-Dichloroethene	4.21	96	5486	0.844	ug/L	91
29) Cyclohexane	4.99	56	14524	2.279	ug/L	95
35) Methylcyclohexane	6.41	83	100306	14.369	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	5763	0.734	ug/L #	80
48) 2-Hexanone	8.36	43	8418	1.288	ug/L #	79
52) Ethylbenzene	9.24	91	2162094	86.725	ug/L	100
53) m,p-Xylene	9.37	106	2495288	259.310	ug/L	99
54) o-xylene	9.77	106	789173	78.644	ug/L	97
56) Isopropylbenzene	10.16	105	43692	1.864	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	41143	4.587	ug/L	94

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



#10

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

Concen: 0.889 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

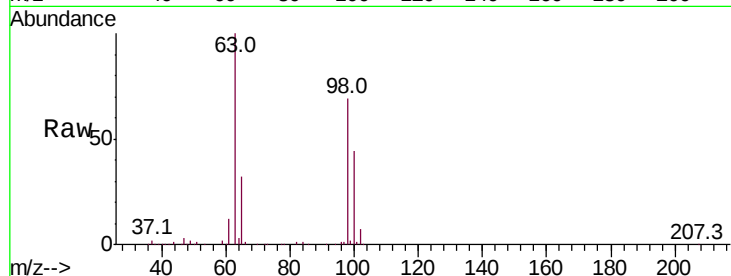
Tot Ion:101 Resp: 3725

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

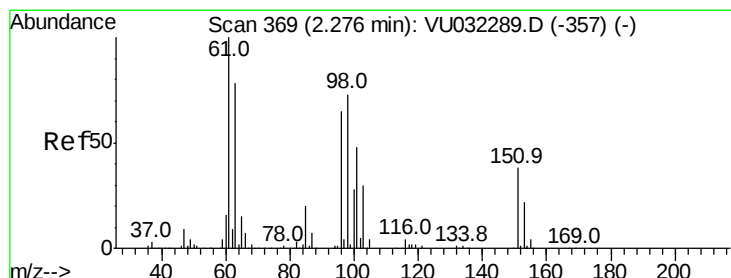
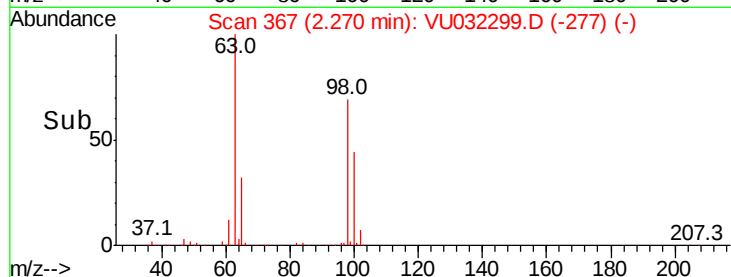
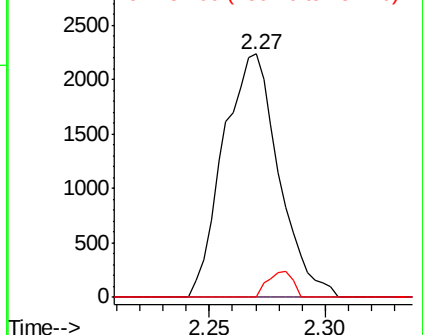
151 4.8 63.5 95.3#



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



#12

1,1-Dichloroethene

Concen: 0.668 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

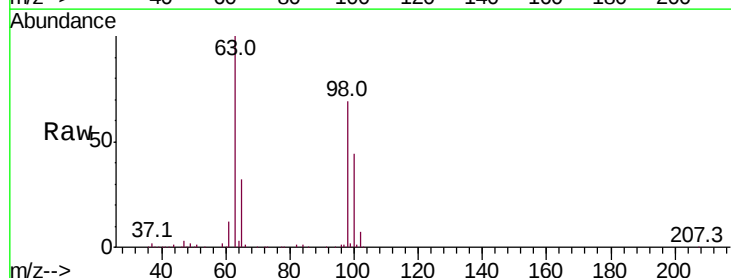
Tgt Ion: 96 Resp: 3120

Ion Ratio Lower Upper

96 100

61 1052.5 108.0 200.6#

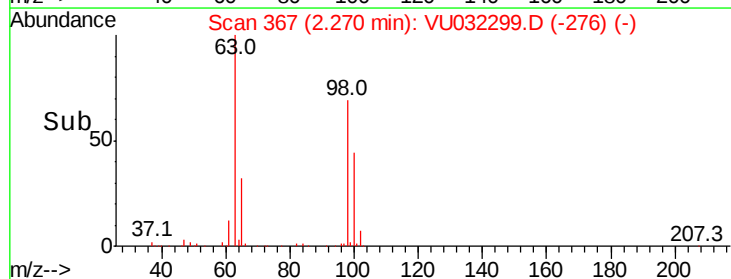
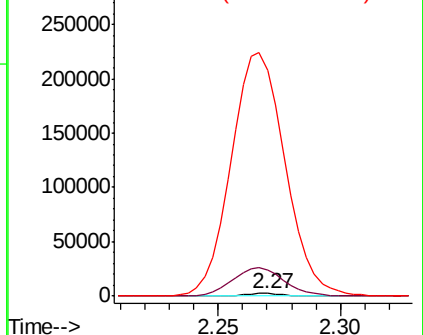
63 9073.4 85.5 158.7#

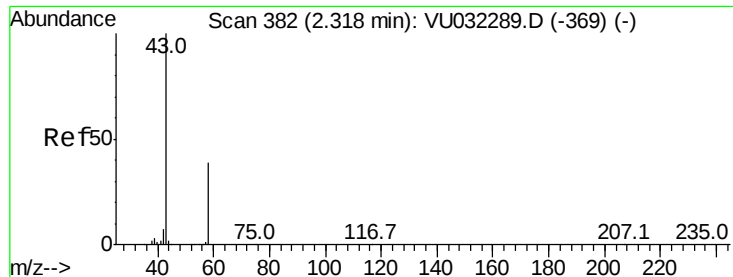


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.556 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

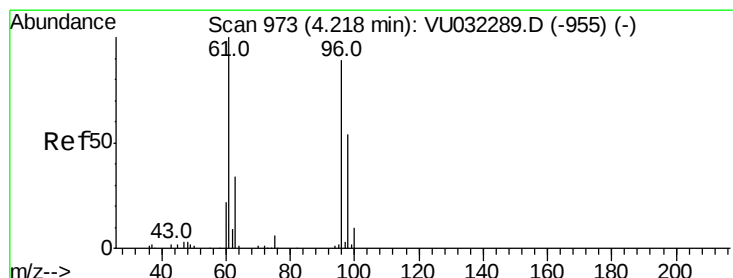
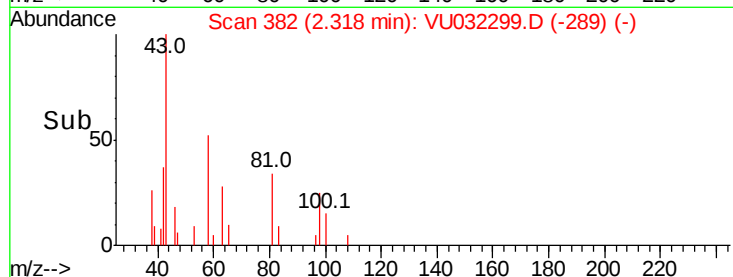
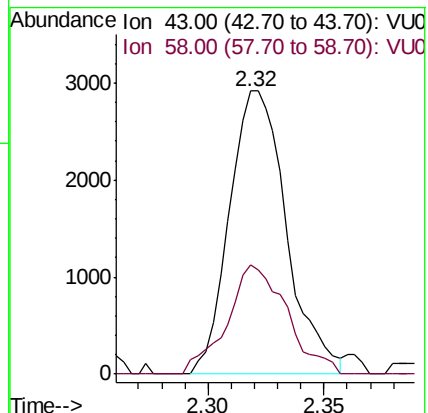
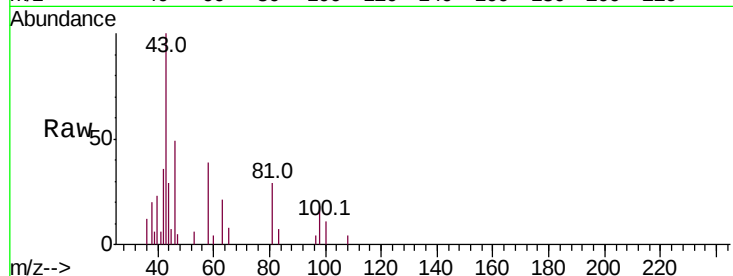
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4984

Ion Ratio Lower Upper

43 100

58 40.2 0.0 77.2



#20

cis-1,2-Dichloroethene

Concen: 0.844 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.01 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

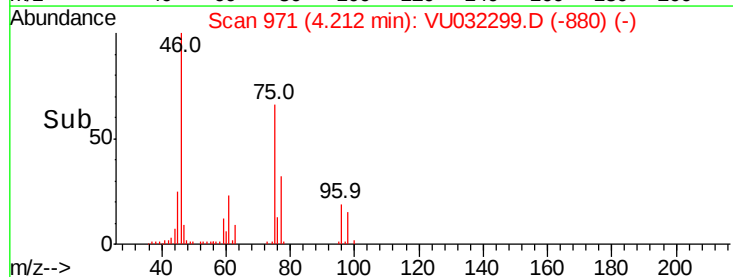
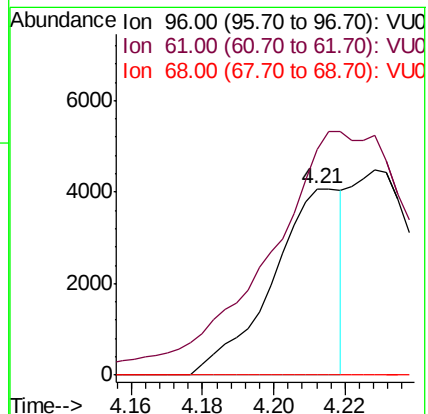
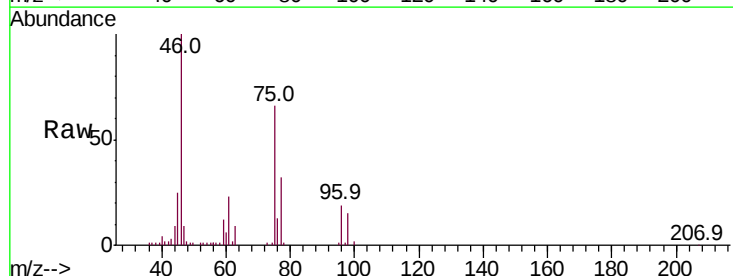
Tgt Ion: 96 Resp: 5486

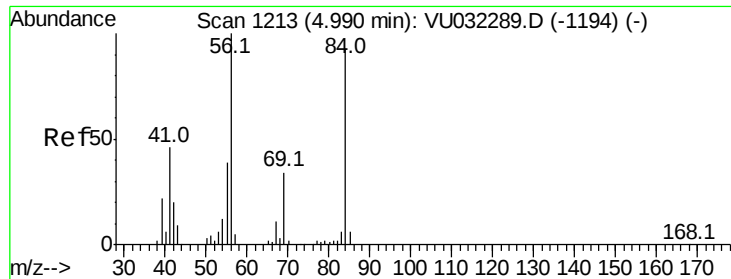
Ion Ratio Lower Upper

96 100

61 121.4 78.5 145.9

68 0.0 0.0 0.0

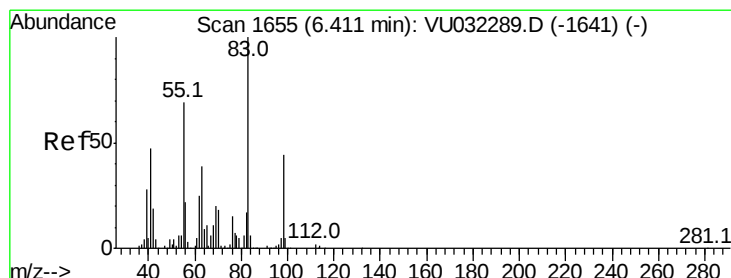
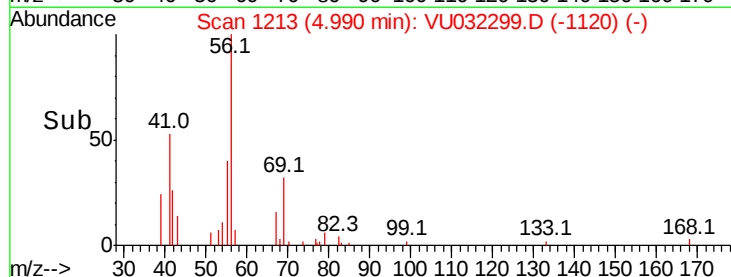
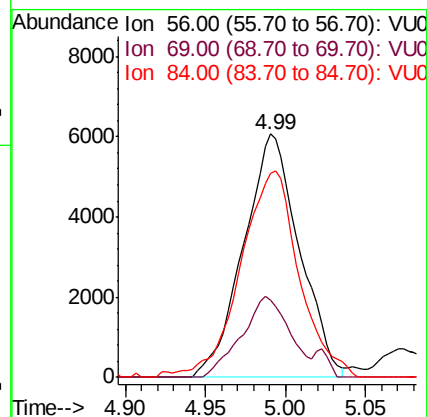
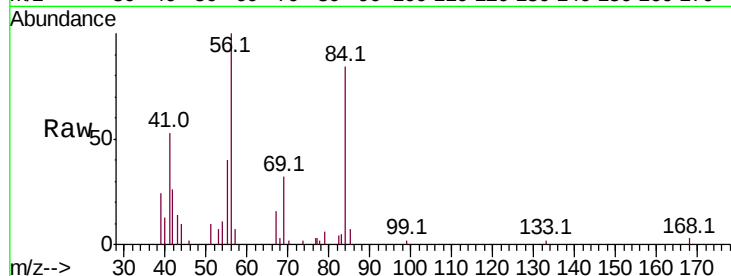




#29
Cyclohexane
Concen: 2.279 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032299.D
Acq: 24 May 2019 09:27

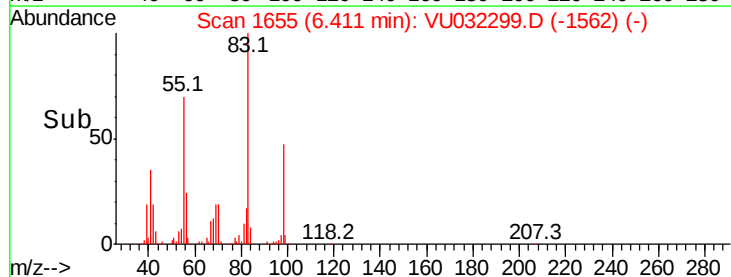
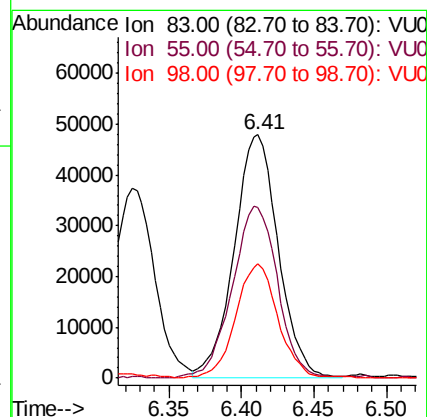
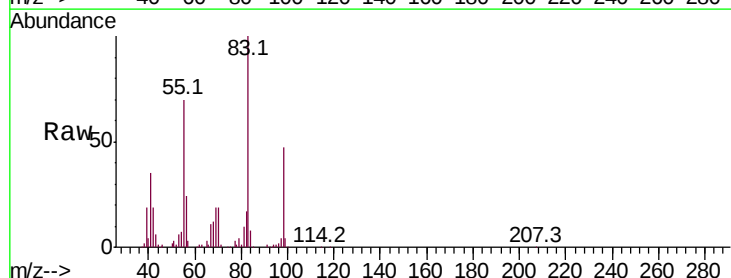
Instrument :
MSVOA_U
ClientSampleId :

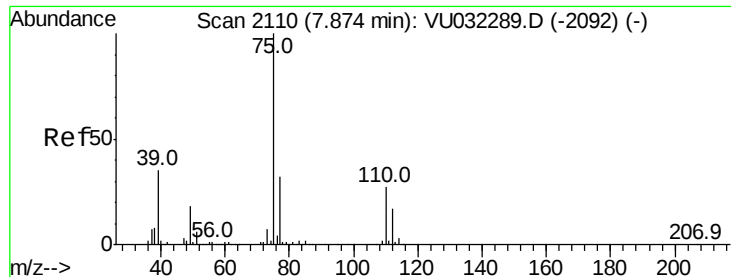
Tot Ion: 56 Resp: 14524
Ion Ratio Lower Upper
56 100
69 28.7 26.6 40.0
84 88.7 73.8 110.8



#35
Methylcyclohexane
Concen: 14.369 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032299.D
Acq: 24 May 2019 09:27

Tgt Ion: 83 Resp: 100306
Ion Ratio Lower Upper
83 100
55 73.5 56.1 84.1
98 44.9 36.8 55.2

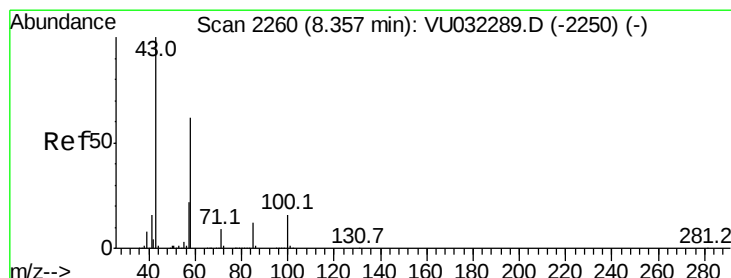
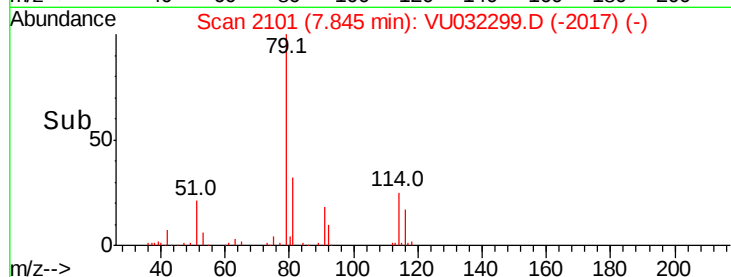
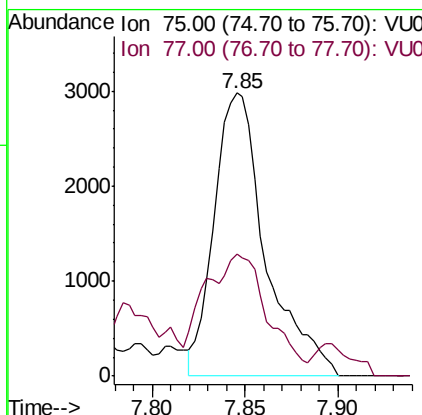
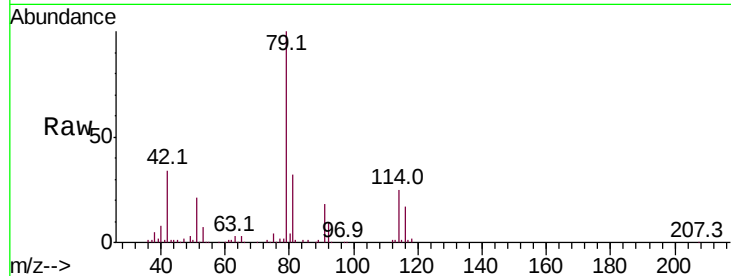




#44
trans-1,3-Dichloropropene
Concen: 0.734 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032299.D
Acq: 24 May 2019 09:27

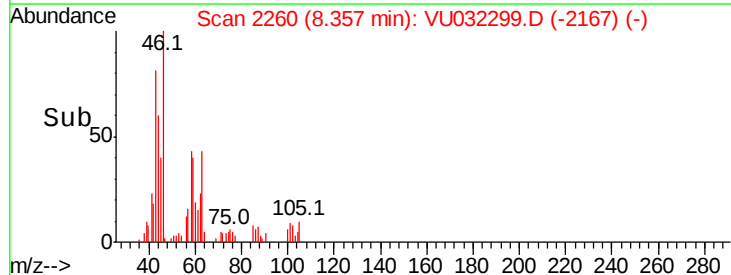
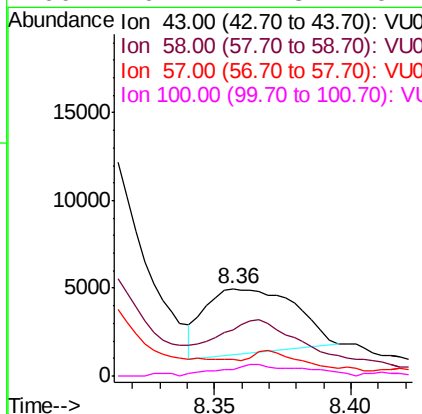
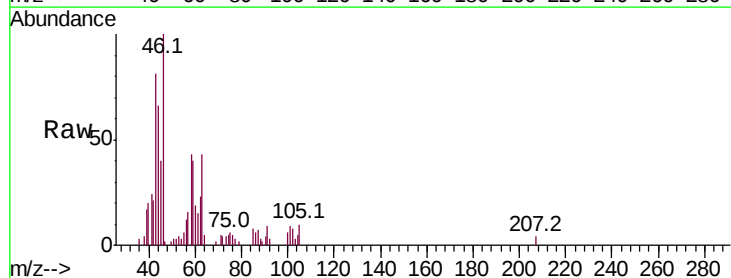
Instrument :
MSVOA_U
ClientSampleId :

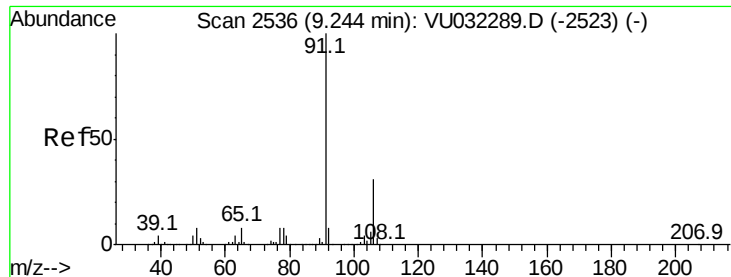
Tot Ion: 75 Resp: 5763
Ion Ratio Lower Upper
75 100
77 43.0 22.4 41.6#



#48
2-Hexanone
Concen: 1.288 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032299.D
Acq: 24 May 2019 09:27

Tgt Ion: 43 Resp: 8418
Ion Ratio Lower Upper
43 100
58 82.5 51.4 77.0#
57 12.1 17.8 26.8#
100 10.2 12.8 19.2#





#52

Ethylbenzene

Concen: 86.725 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

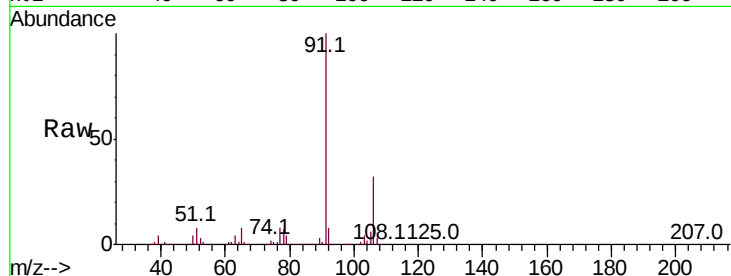
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 2162094

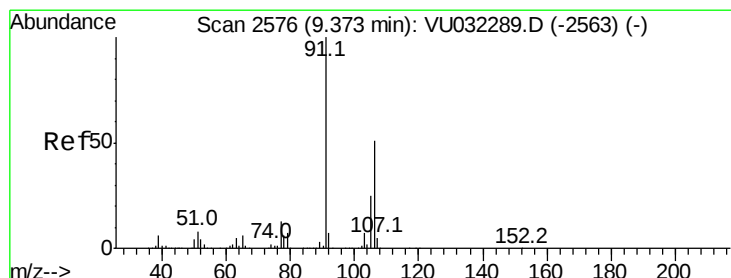
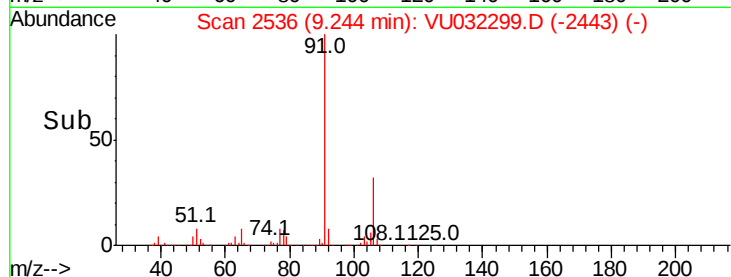
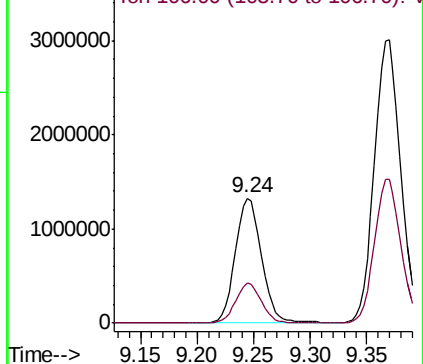
Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032289.D (-2523) (-)



#53

m,p-Xylene

Concen: 259.310 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032299.D

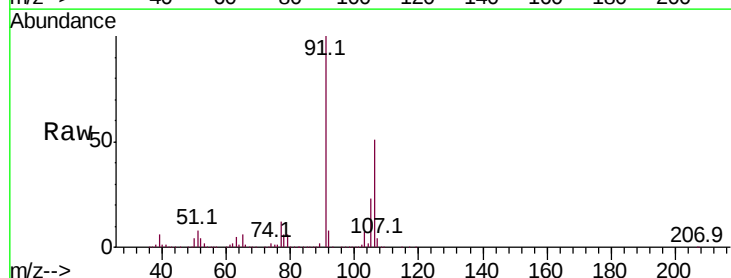
Acq: 24 May 2019 09:27

Tgt Ion: 106 Resp: 2495288

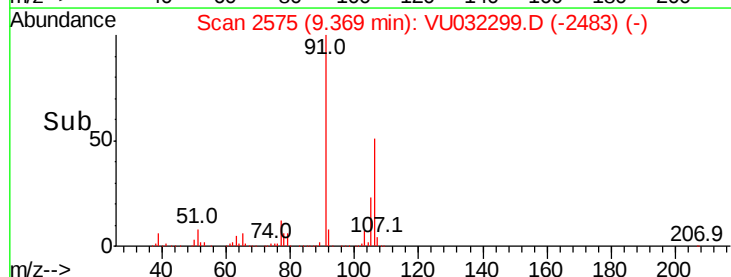
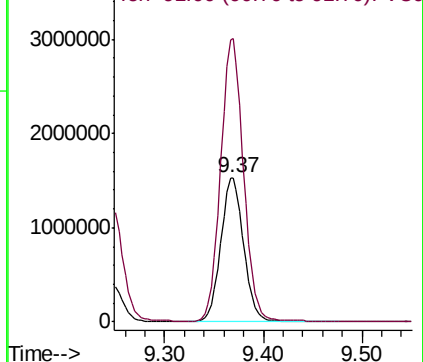
Ion Ratio Lower Upper

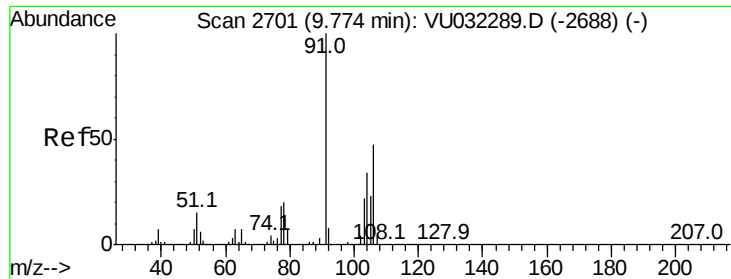
106 100

91 196.7 136.5 253.5



Abundance Ion 106.00 (105.70 to 106.70): VU032289.D (-2563) (-)





#54

o-xylene

Concen: 78.644 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

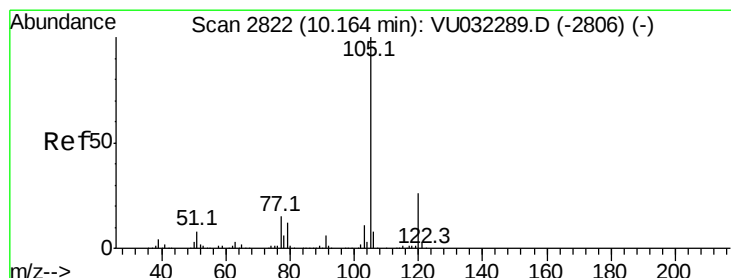
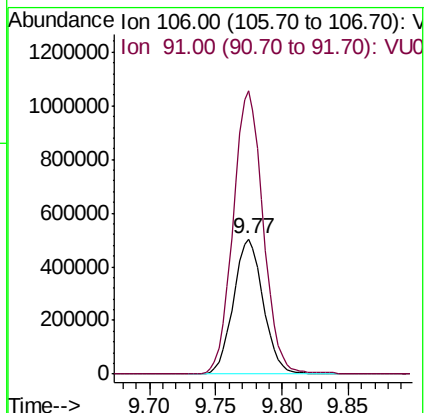
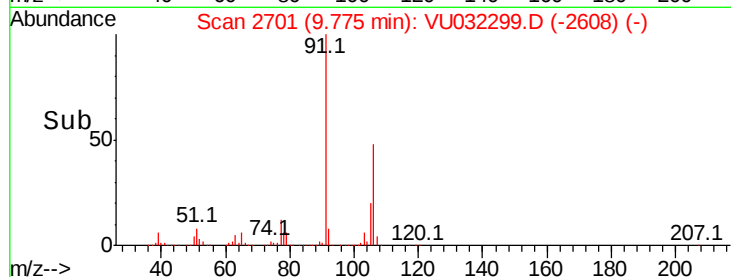
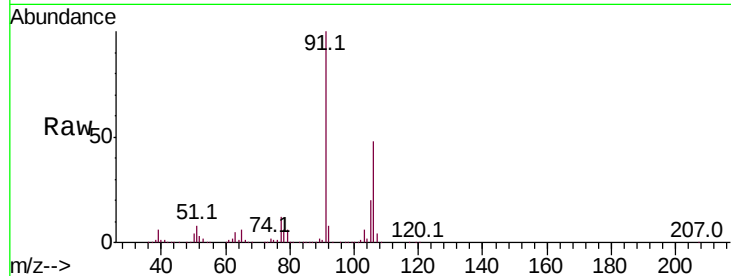
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 789173

Ion Ratio Lower Upper

106 100

91 209.9 150.3 279.1



#56

Isopropylbenzene

Concen: 1.864 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

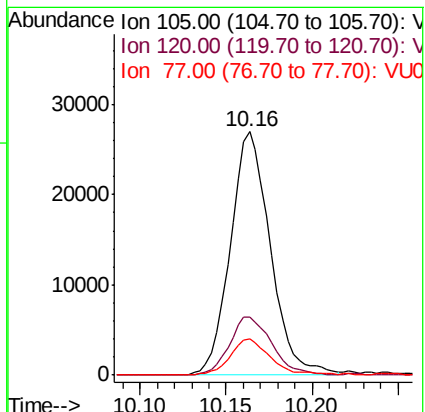
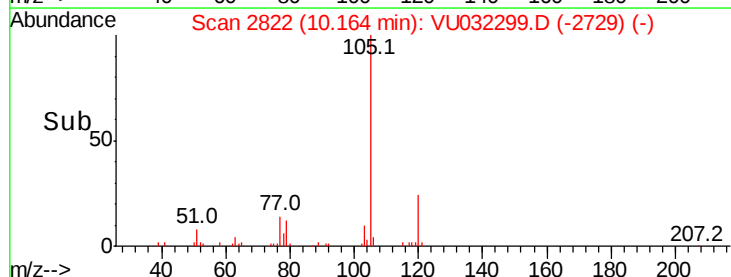
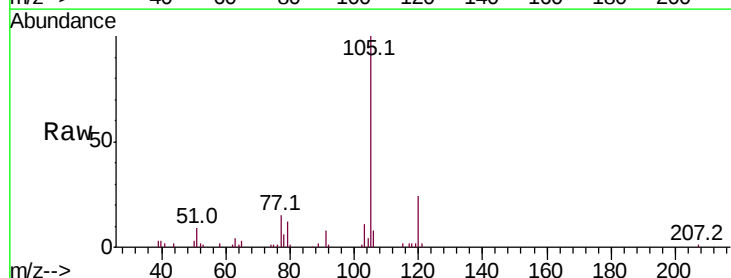
Tgt Ion:105 Resp: 43692

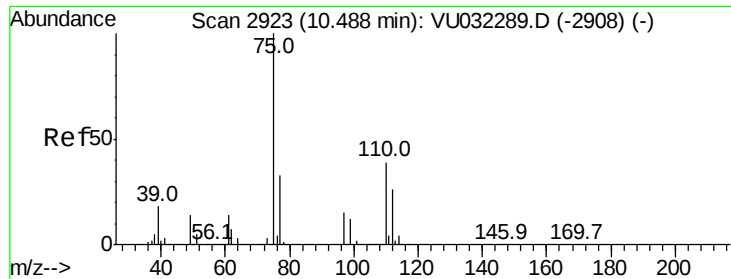
Ion Ratio Lower Upper

105 100

120 25.2 21.0 31.4

77 14.4 11.8 17.6





#59

1,2,3-Trichloropropane

Concen: 4.587 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032299.D

Acq: 24 May 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 41143

Ion Ratio Lower Upper

75 100

77 35.6 25.7 38.5

