

Data File : VU032314.D
Acq On : 24 May 2019 16:47
Operator : JC/SP
Sample : K3001-09DL 250X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF4DL

Quant Time: May 24 23:37:47 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	760290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	747312	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	334257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	202948	51.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.14%
7) Chloroethane-d5	1.67	69	191462	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.27	63	299893	38.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.10%
21) 2-Butanone-d5	4.17	46	335639	88.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.52%
24) Chloroform-d	4.64	84	441877	43.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.22%
26) 1,2-Dichloroethane-d4	5.31	65	278046	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
32) Benzene-d6	5.34	84	915864	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
36) 1,2-Dichloropropane-d6	6.32	67	283889	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.74%
41) Toluene-d8	7.56	98	826003	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%
43) trans-1,3-Dichloropropene-	7.85	79	125152	44.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.86%
47) 2-Hexanone-d5	8.31	63	230929	90.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	444974	43.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	344646	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

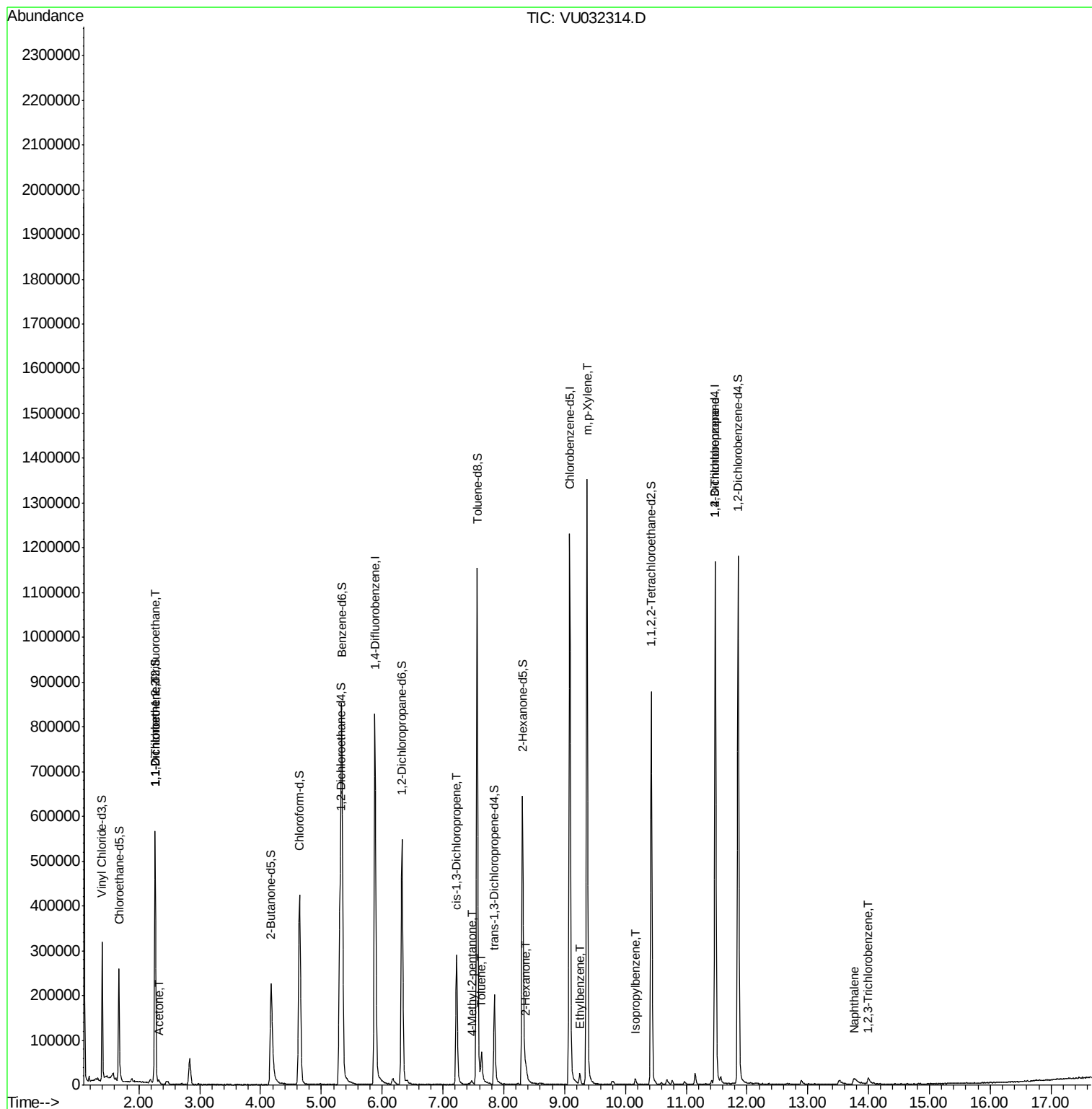
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2878	0.720	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	3372	0.757	ug/L #	1
13) Acetone	2.32	43	3948	1.292	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	7075	0.868	ug/L #	81
40) 4-Methyl-2-pentanone	7.47	43	4982	0.652	ug/L #	91
42) Toluene	7.64	91	52506	2.333	ug/L	96
48) 2-Hexanone	8.37	43	15784	2.633	ug/L #	38
52) Ethylbenzene	9.25	91	17643	0.771	ug/L	91
53) m,p-Xylene	9.37	106	408844	46.302	ug/L	96
56) Isopropylbenzene	10.17	105	9707	0.451	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	34465	4.188	ug/L	93
69) Naphthalene	13.76	128	11295	0.542	ug/L #	94
70) 1,2,3-Trichlorobenzene	14.00	180	7281	1.061	ug/L #	83

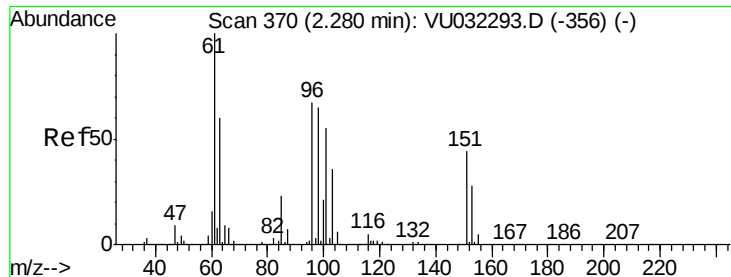
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.720 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032314.D

Acq: 24 May 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

E3YF4DL

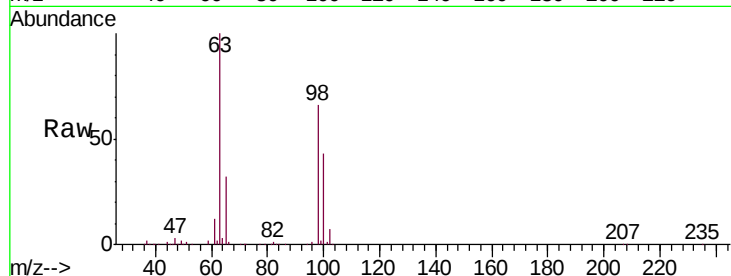
Tgt Ion: 101 Resp: 2878

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

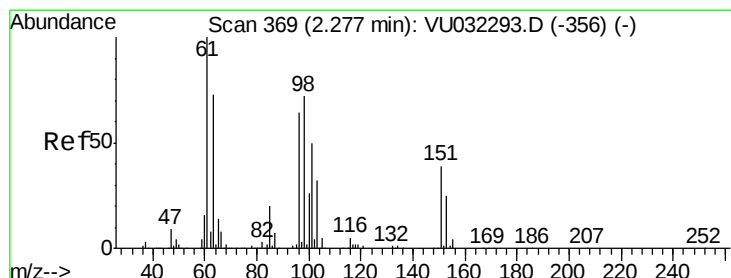
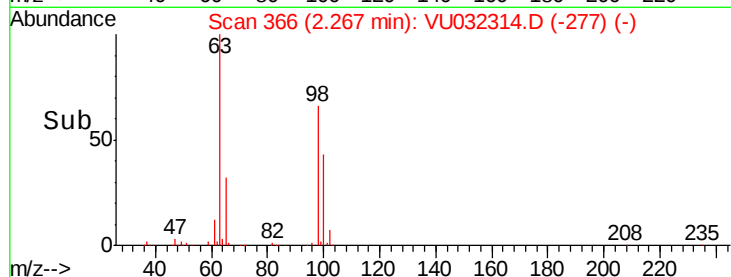
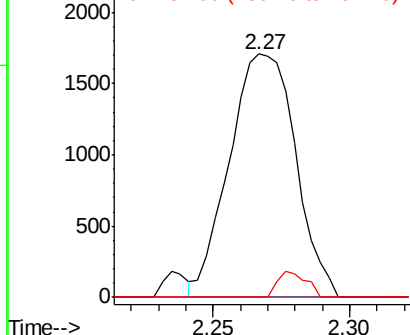
151 4.6 63.5 95.3#



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: 0.757 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032314.D

Acq: 24 May 2019 16:47

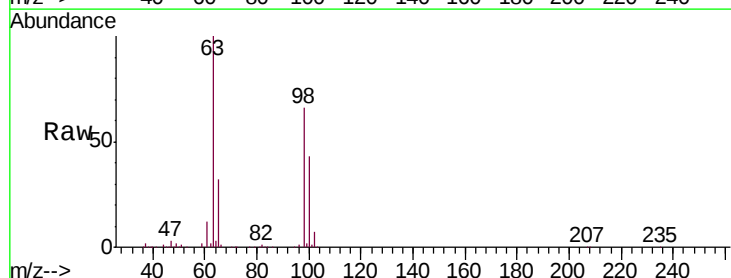
Tgt Ion: 96 Resp: 3372

Ion Ratio Lower Upper

96 100

61 1067.0 108.0 200.6#

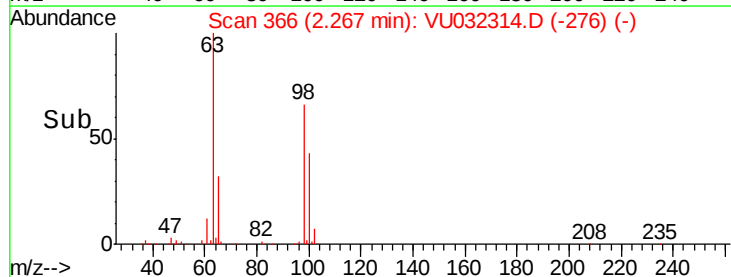
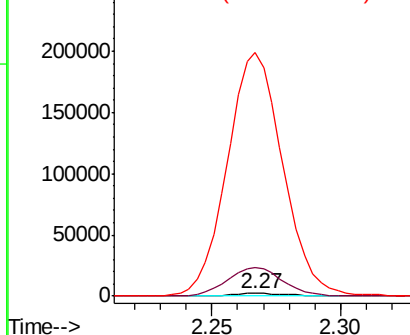
63 8969.2 85.5 158.7#

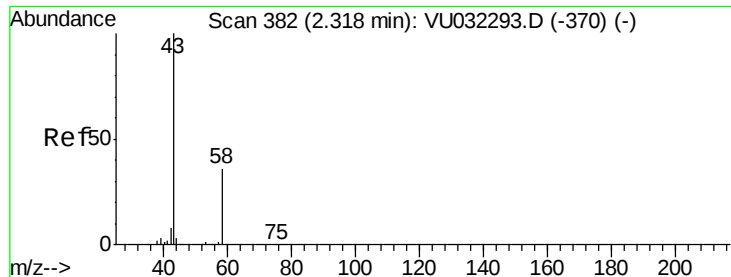


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.292 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032314.D

Acq: 24 May 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

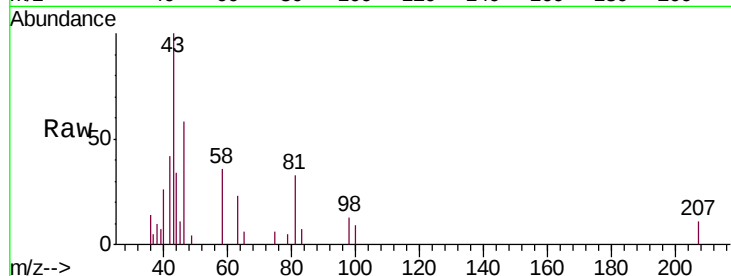
E3YF4DL

Tgt Ion: 43 Resp: 3948

Ion Ratio Lower Upper

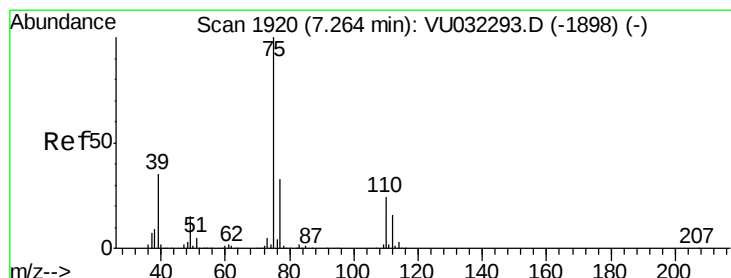
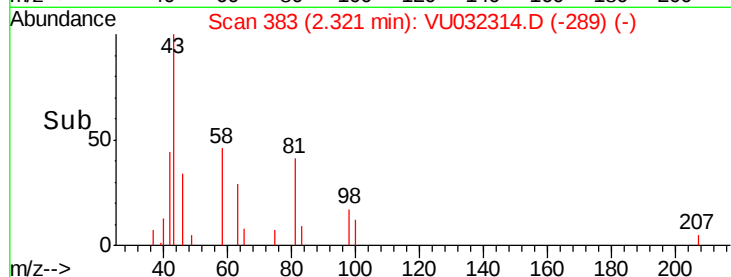
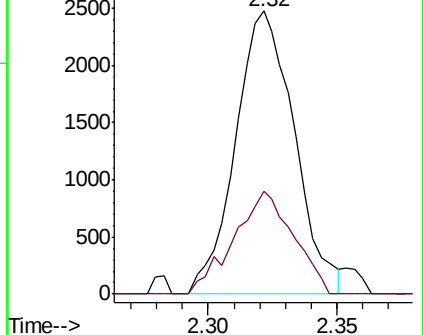
43 100

58 36.8 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) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.868 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032314.D

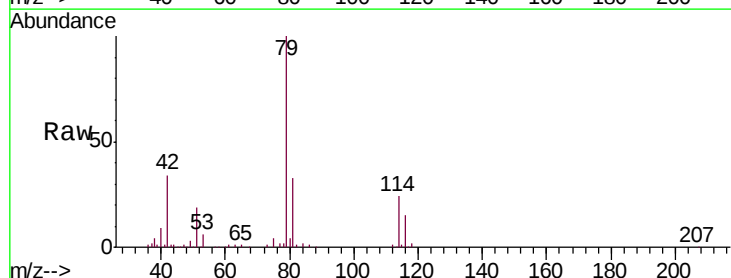
Acq: 24 May 2019 16:47

Tgt Ion: 75 Resp: 7075

Ion Ratio Lower Upper

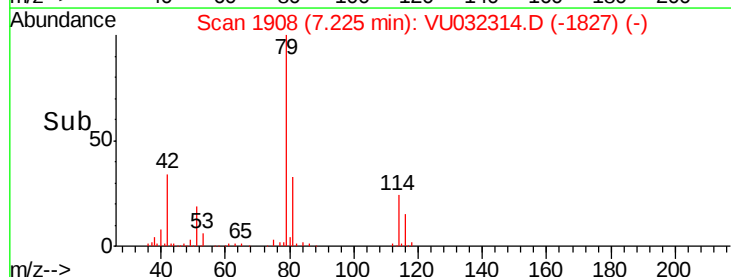
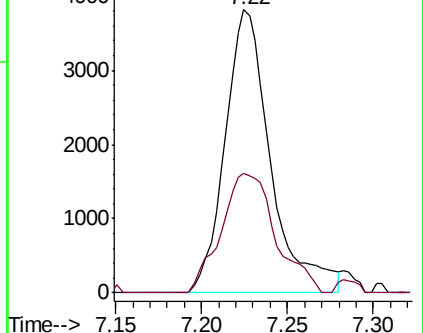
75 100

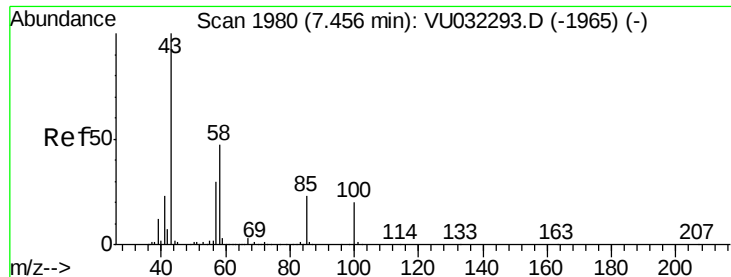
77 42.2 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032293.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU032293.D (-1898) (-)

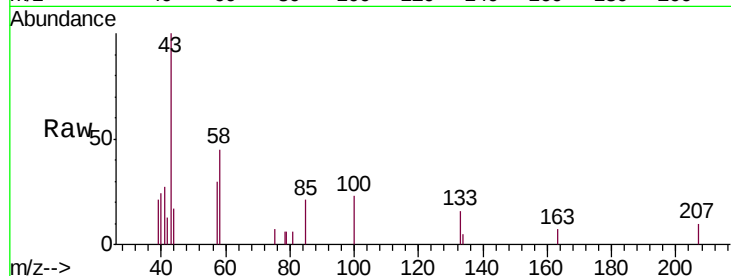




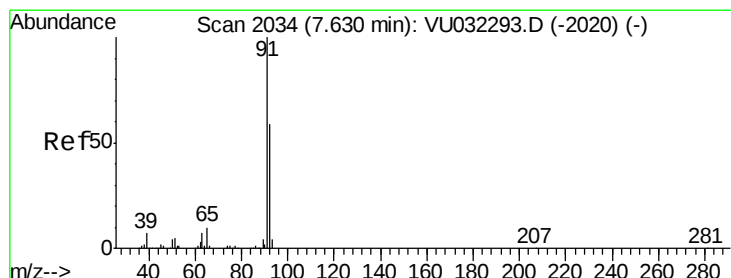
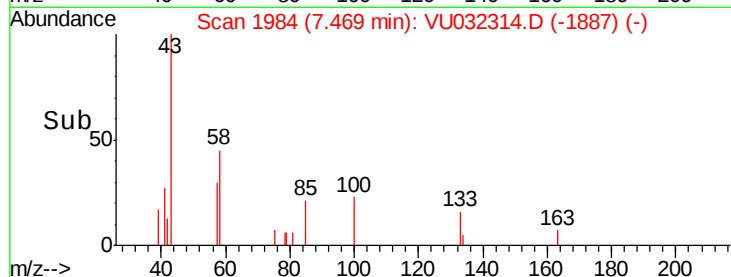
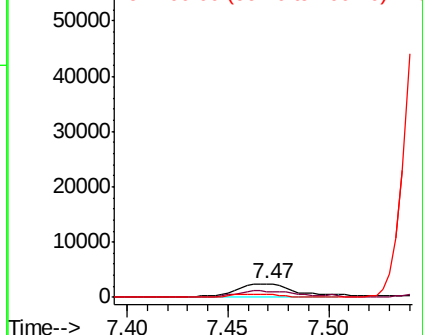
#40
4-Methyl-2-pentanone
Concen: 0.652 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

Instrument :
MSVOA_U
ClientSampleId :
E3YF4DL

Tgt Ion: 43 Resp: 4982
Ion Ratio Lower Upper
43 100
58 46.0 37.1 55.7
100 7.3 16.3 24.5#

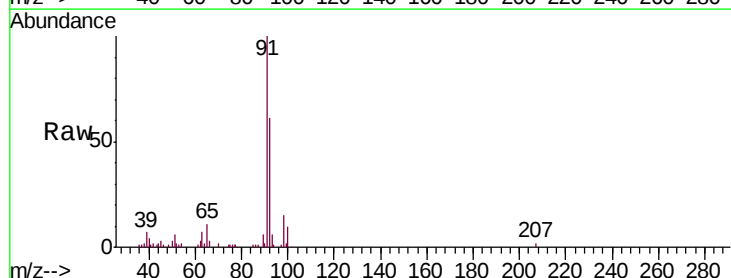


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

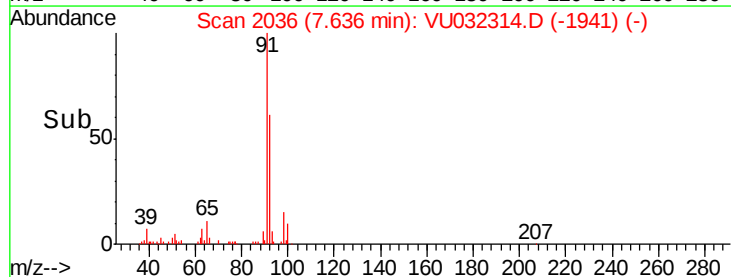
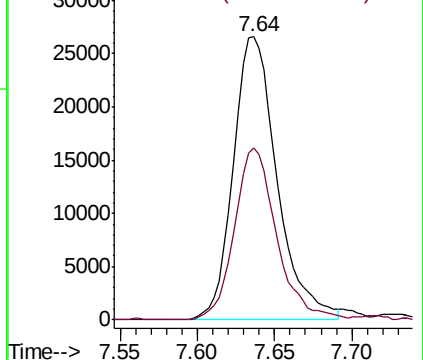


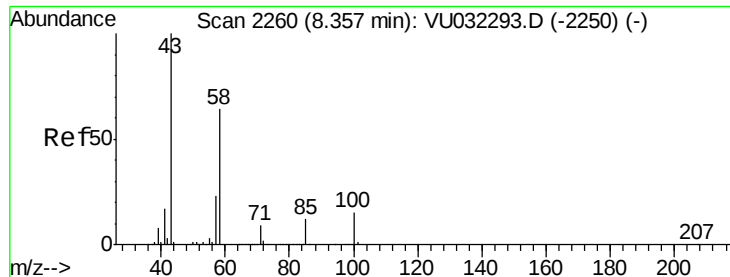
#42
Toluene
Concen: 2.333 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

Tgt Ion: 91 Resp: 52506
Ion Ratio Lower Upper
91 100
92 60.9 40.3 74.9



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

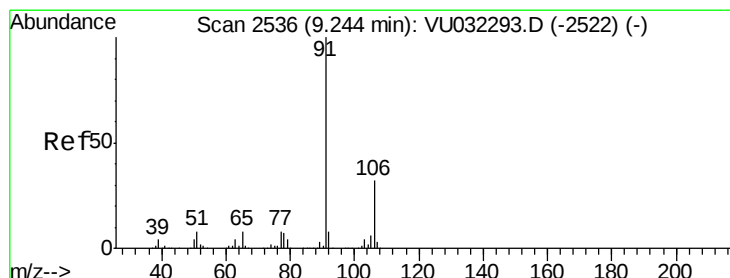
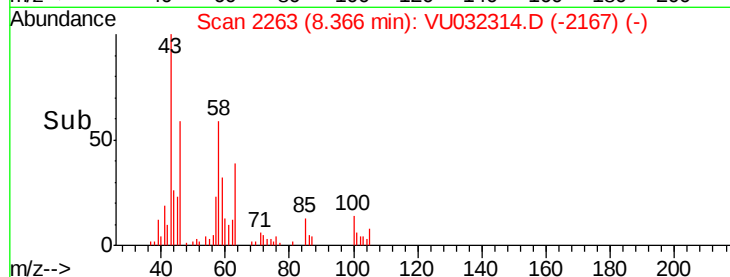
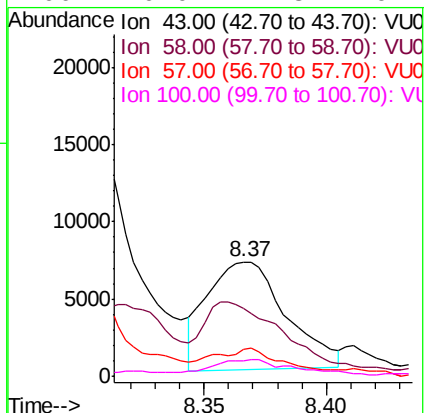
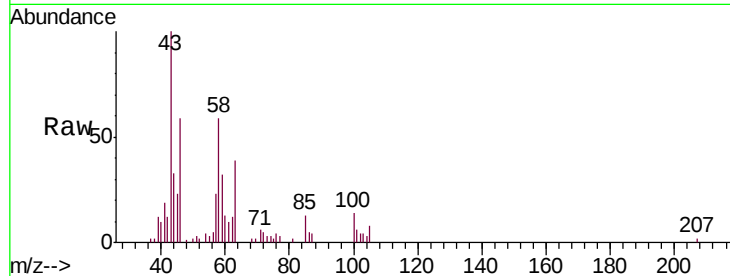




#48
2-Hexanone
Concen: 2.633 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

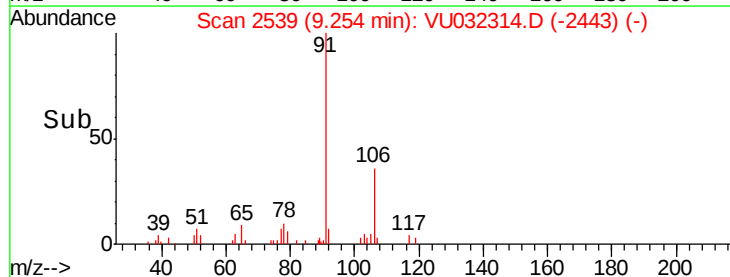
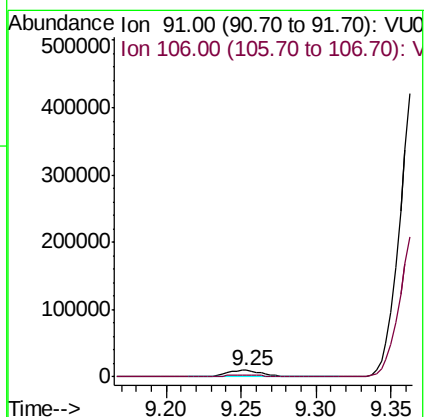
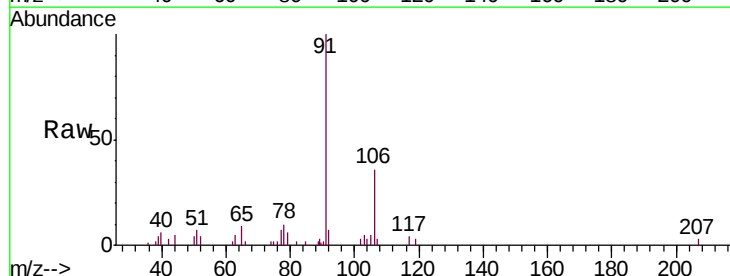
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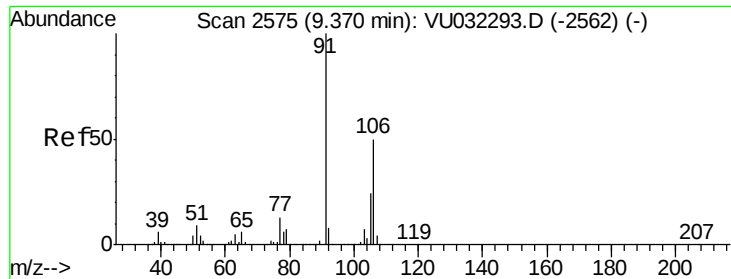
Tgt Ion: 43 Resp: 15784
Ion Ratio Lower Upper
43 100
58 0.0 51.4 77.0#
57 10.8 17.8 26.8#
100 0.0 12.8 19.2#



#52
Ethylbenzene
Concen: 0.771 ug/L
RT: 9.25 min Scan# 2539
Delta R.T. 0.01 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

Tgt Ion: 91 Resp: 17643
Ion Ratio Lower Upper
91 100
106 36.2 22.0 41.0

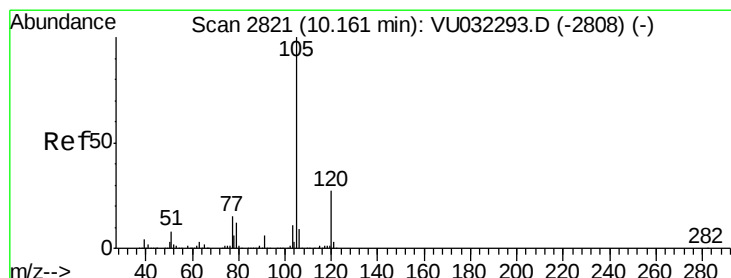
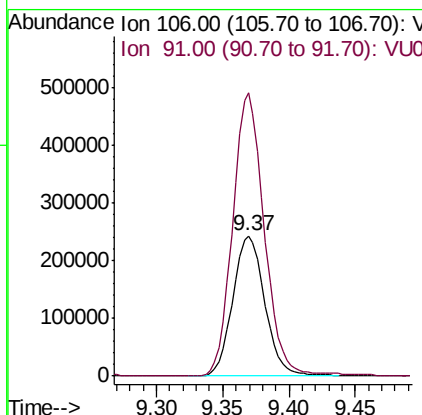
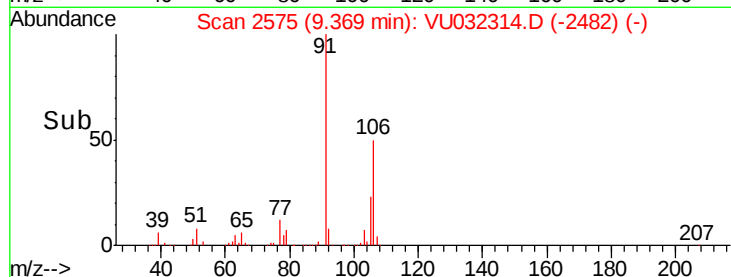
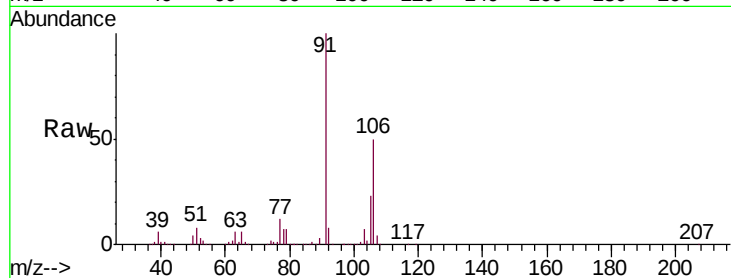




#53
m,p-Xylene
Concen: 46.302 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

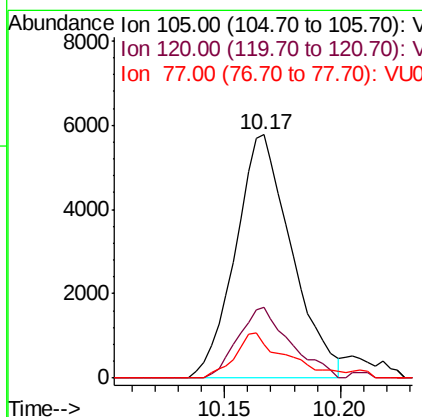
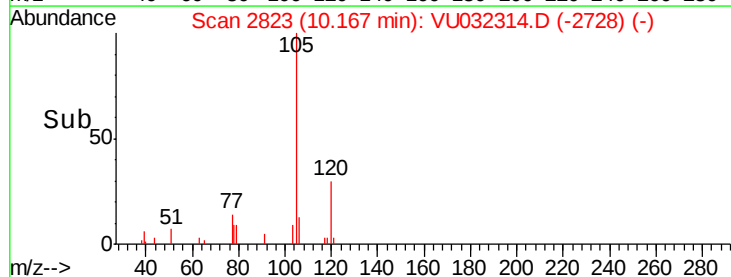
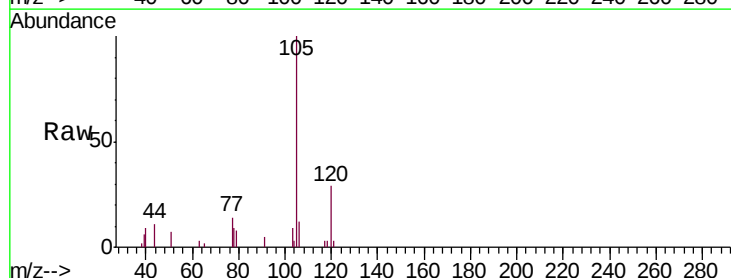
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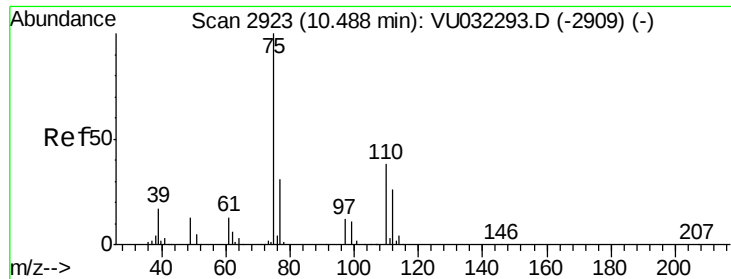
Tgt Ion:106 Resp: 408844
Ion Ratio Lower Upper
106 100
91 201.6 136.5 253.5



#56
Isopropylbenzene
Concen: 0.451 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.01 min
Lab File: VU032314.D
Acq: 24 May 2019 16:47

Tgt Ion:105 Resp: 9707
Ion Ratio Lower Upper
105 100
120 27.1 21.0 31.4
77 16.0 11.8 17.6

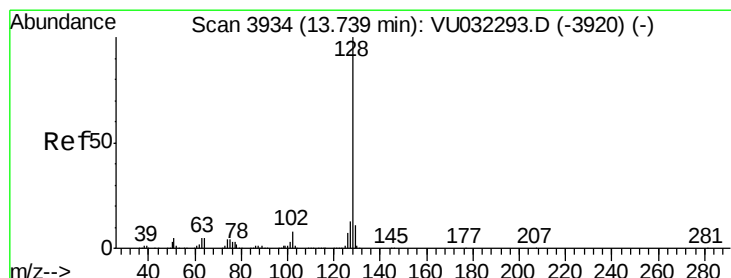
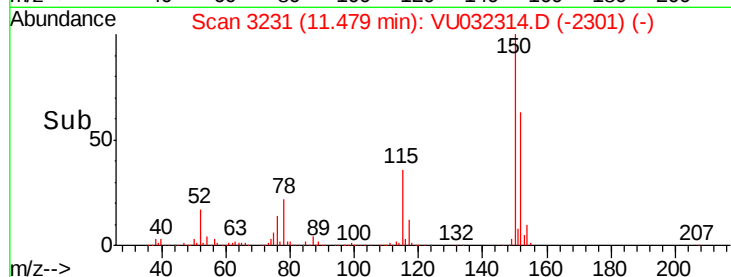
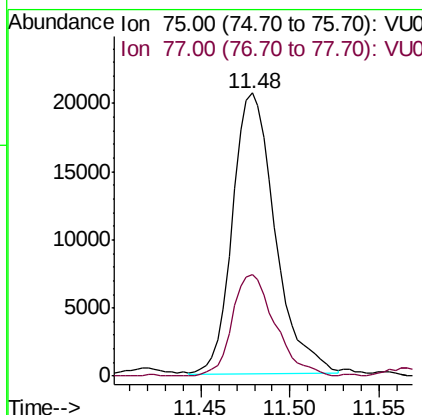
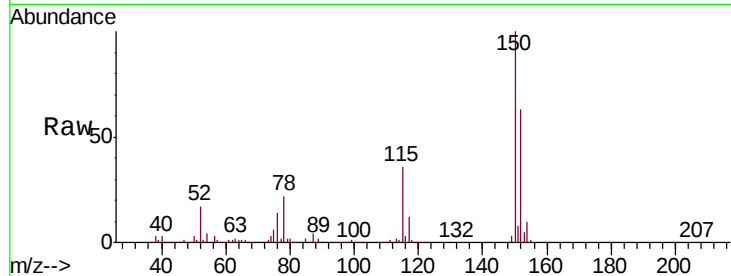




#59
 1,2,3-Trichloropropane
 Concen: 4.188 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032314.D
 Acq: 24 May 2019 16:47

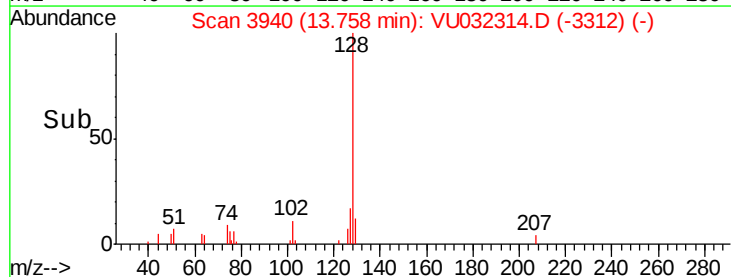
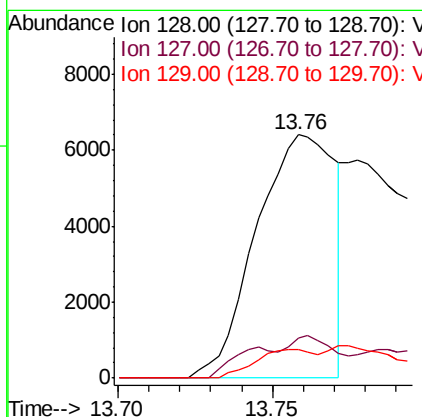
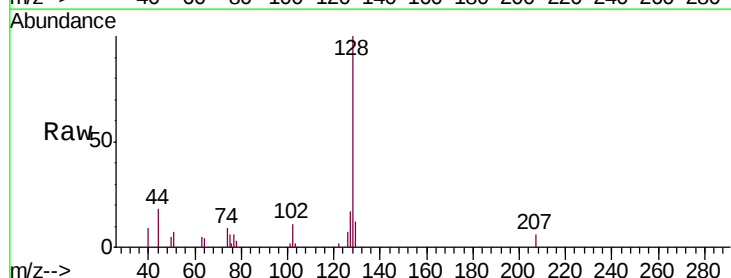
Instrument :
 MSVOA_U
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 E3YF4DL

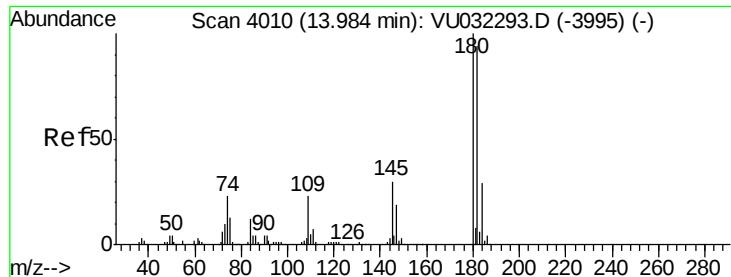
Tgt Ion: 75 Resp: 34465
 Ion Ratio Lower Upper
 75 100
 77 36.2 25.7 38.5



#69
 Naphthalene
 Concen: 0.542 ug/L
 RT: 13.76 min Scan# 3940
 Delta R.T. 0.02 min
 Lab File: VU032314.D
 Acq: 24 May 2019 16:47

Tgt Ion: 128 Resp: 11295
 Ion Ratio Lower Upper
 128 100
 127 9.2 10.2 15.2#
 129 9.1 8.3 12.5





#70
 1,2,3-Trichlorobenzene
 Concen: 1.061 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU032314.D
 Acq: 24 May 2019 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF4DL

Tgt Ion:180 Resp: 7281
 Ion Ratio Lower Upper
 180 100
 182 79.9 77.2 115.8
 145 19.7 23.9 35.9#

