

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031021.D
 Acq On : 10 Apr 2019 19:12
 Operator : JC/SP
 Sample : K2249-15DL 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE7DL

Quant Time: Apr 11 05:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	451021	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	453957	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	201415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	220439	54.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.50%
7) Chloroethane-d5	1.68	69	175953	57.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.16%
11) 1,1-Dichloroethene-d2	2.27	63	311251	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.48%
21) 2-Butanone-d5	4.17	46	358035	112.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.20%
24) Chloroform-d	4.64	84	343138	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.58%
26) 1,2-Dichloroethane-d4	5.30	65	245779	58.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.14%
32) Benzene-d6	5.33	84	723233	54.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.14%
36) 1,2-Dichloropropane-d6	6.32	67	245836	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.26%
41) Toluene-d8	7.56	98	622179	52.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.94%
43) trans-1,3-Dichloropropene-	7.85	79	107165	51.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.50%
47) 2-Hexanone-d5	8.31	63	207339	99.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	338526	55.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	229709	57.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	25571	5.155	ug/L #	72
8) Chloroethane	1.69	64	13052	4.613	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2609	0.808	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	9432	3.025	ug/L #	1
13) Acetone	2.32	43	2045	0.626	ug/L	62
17) trans-1,2-Dichloroethene	2.98	96	6764	2.043	ug/L	93
19) 1,1-Dichloroethane	3.44	63	307095	44.953	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	453640	124.111	ug/L	97
25) Chloroform	4.67	83	28360	4.130	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	352891	63.787	ug/L	100
31) Carbon tetrachloride	4.91	117	45459	9.535	ug/L	97
34) Trichloroethene	6.19	95	3955	1.085	ug/L	88
42) Toluene	7.64	91	15504	1.022	ug/L	98
48) 2-Hexanone	8.36	43	13199	2.501	ug/L #	86
52) Ethylbenzene	9.25	91	29373	1.777	ug/L	95
53) m,p-Xylene	9.37	106	25217	4.374	ug/L	96
54) o-xylene	9.78	106	26245	4.577	ug/L	99

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QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration

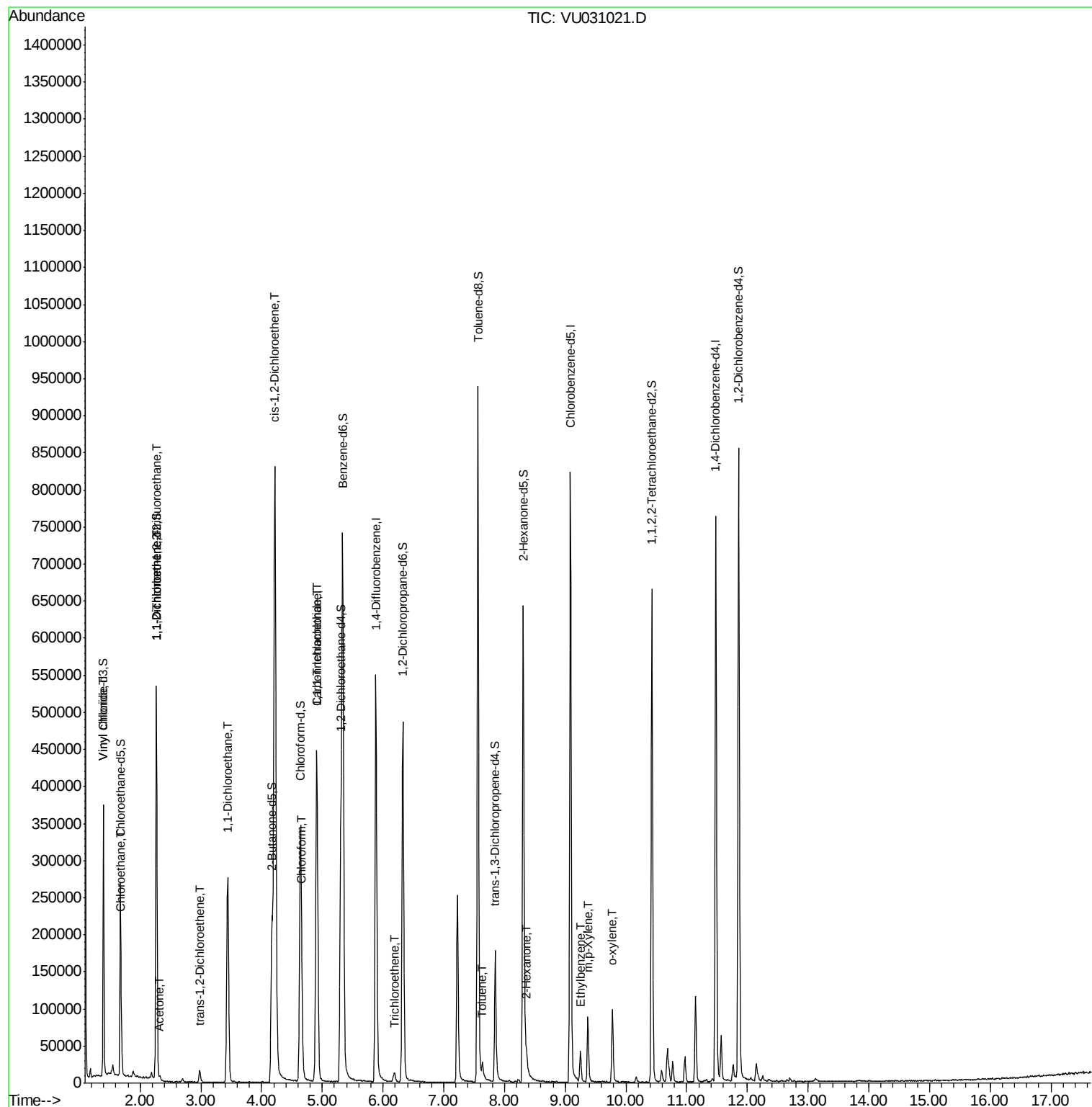
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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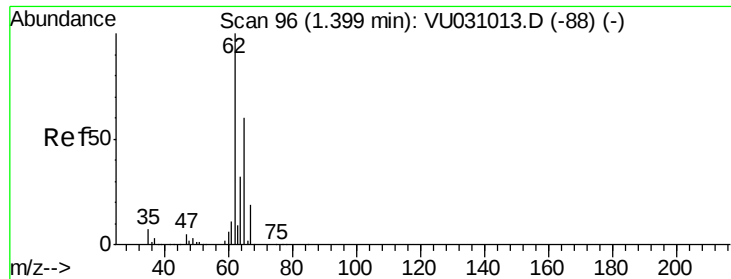
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041119\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.155 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampled :

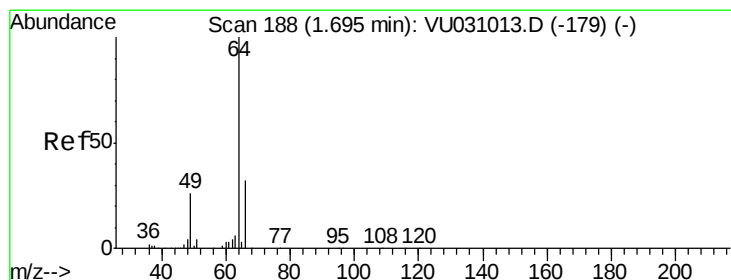
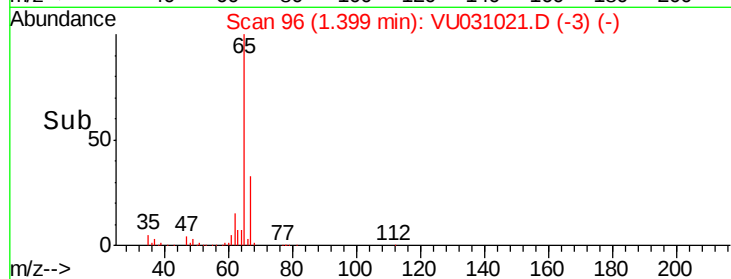
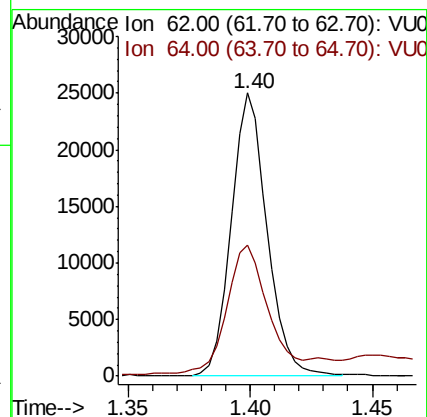
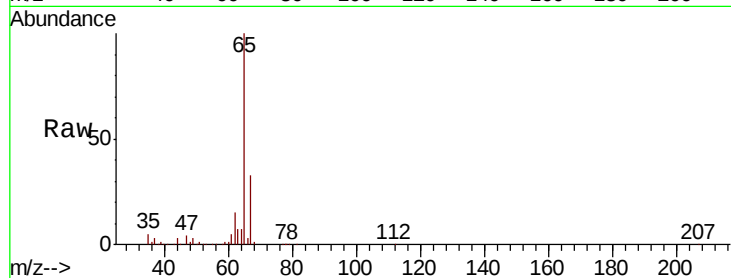
E3YE7DL

Tot Ion: 62 Resp: 25571

Ion Ratio Lower Upper

62 100

64 46.2 21.5 39.9#



#8

Chloroethane

Concen: 4.613 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU031021.D

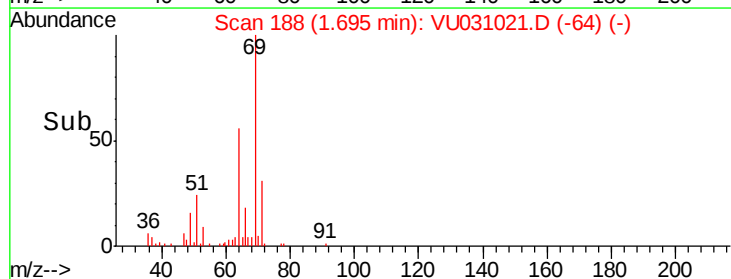
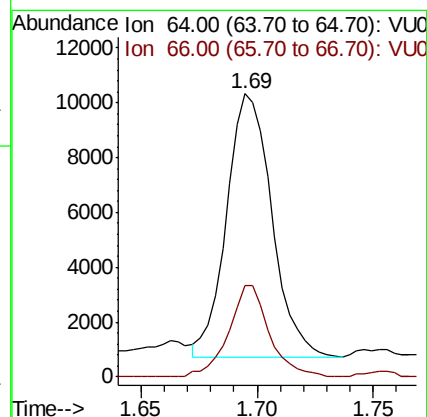
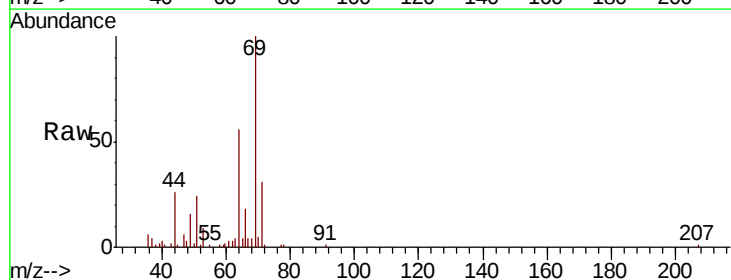
Acq: 10 Apr 2019 19:12

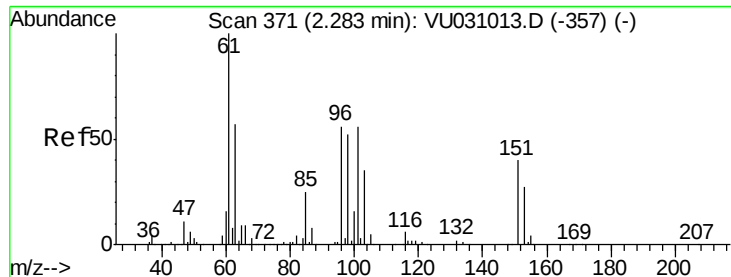
Tgt Ion: 64 Resp: 13052

Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6





#10

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

Concen: 0.808 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

E3YE7DL

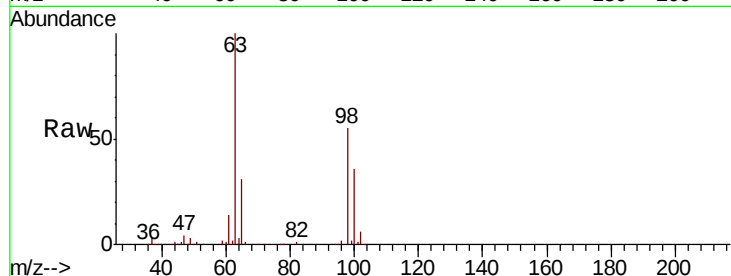
Tot Ion:101 Resp: 2609

Ion Ratio Lower Upper

101 100

85 1.7 36.8 55.2#

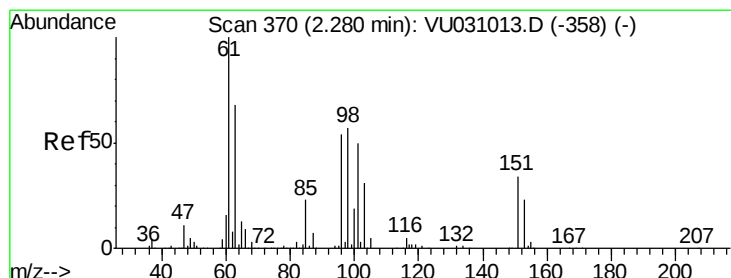
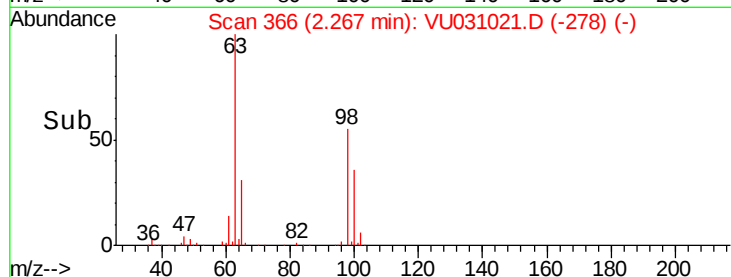
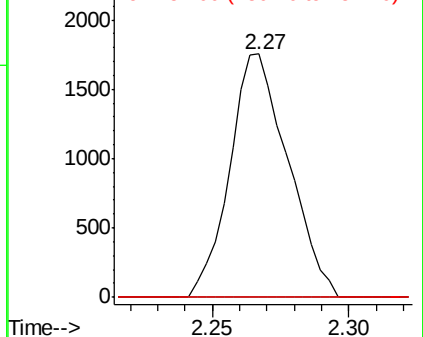
151 0.0 57.4 86.0#



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: 3.025 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

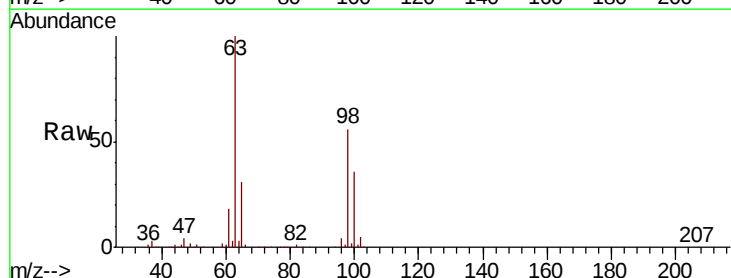
Tgt Ion: 96 Resp: 9432

Ion Ratio Lower Upper

96 100

61 442.5 132.0 245.2#

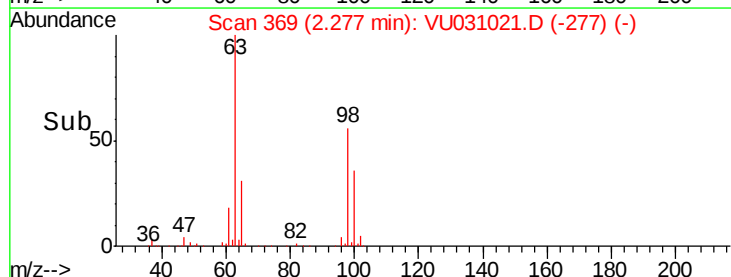
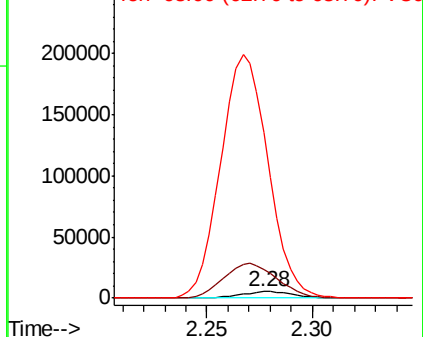
63 2518.3 90.9 168.9#

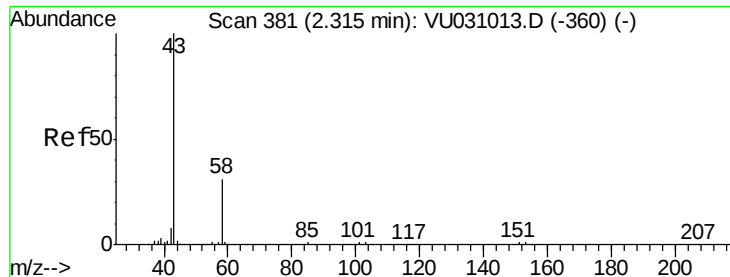


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.626 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

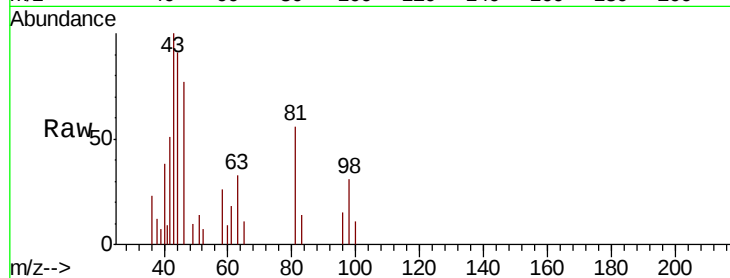
E3YE7DL

Tot Ion: 43 Resp: 2045

Ion Ratio Lower Upper

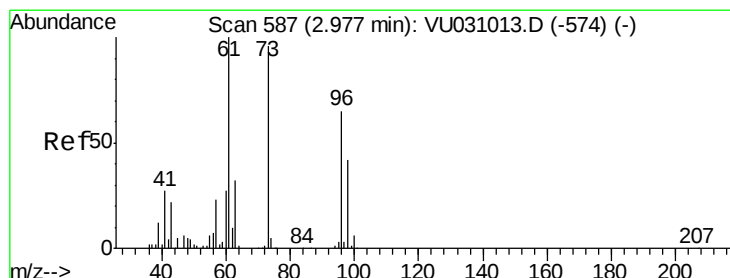
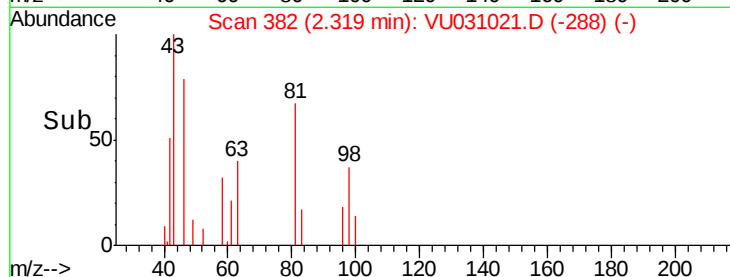
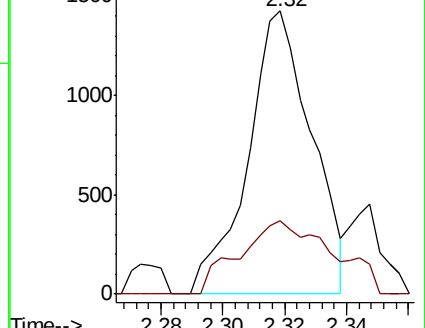
43 100

58 10.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031013.D (-360) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.043 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

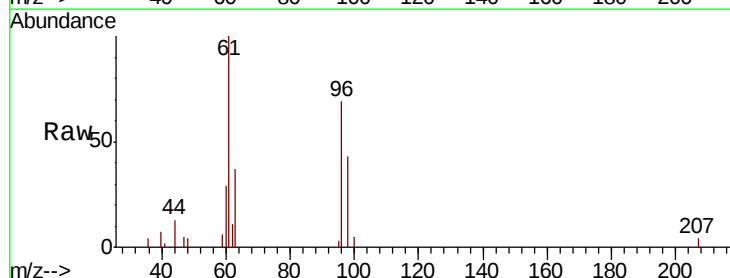
Tgt Ion: 96 Resp: 6764

Ion Ratio Lower Upper

96 100

61 144.1 109.5 203.3

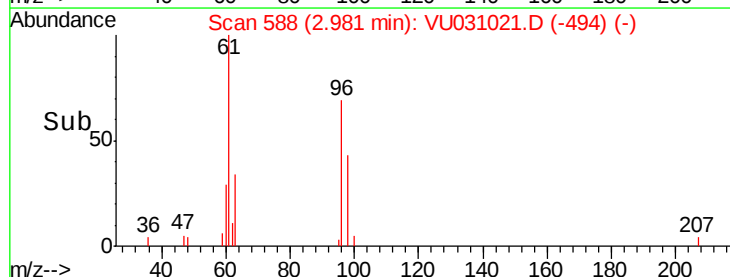
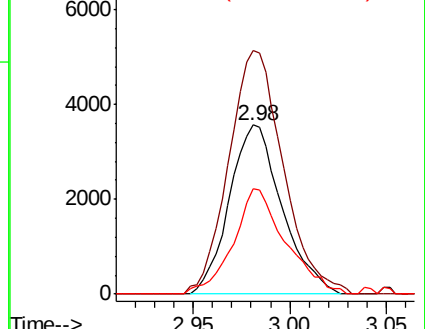
98 62.6 44.0 81.6

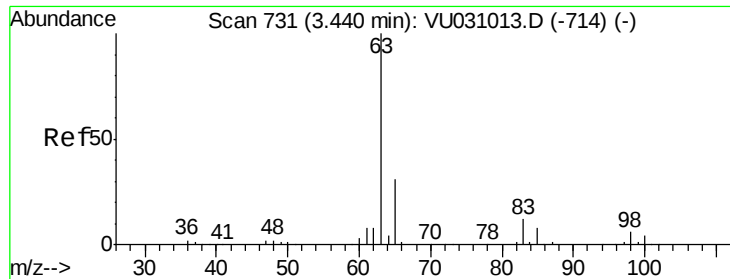


Abundance Ion 96.00 (95.70 to 96.70): VU031013.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU031013.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU031013.D (-574) (-)

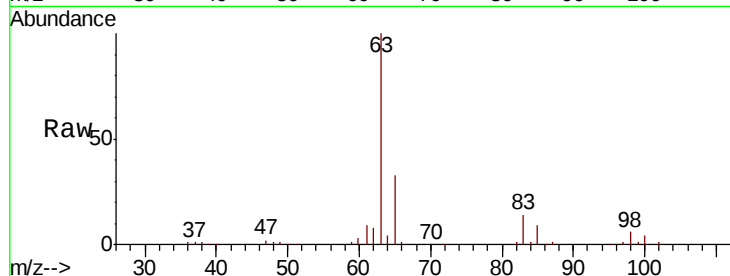




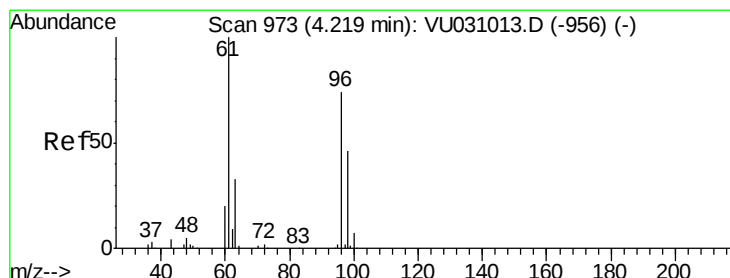
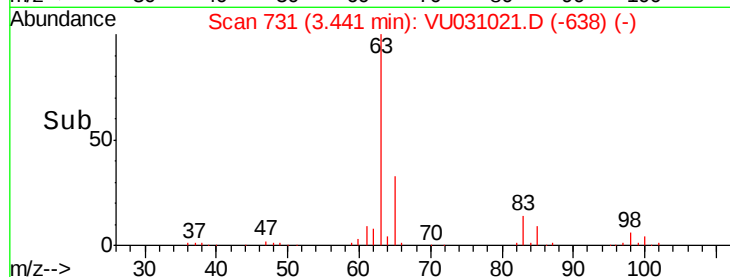
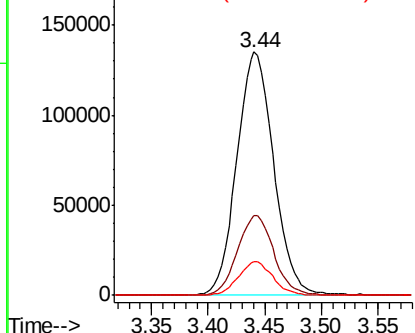
#19
 1,1-Dichloroethane
 Concen: 44.953 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031021.D
 Acq: 10 Apr 2019 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE7DL

Tot Ion: 63 Resp: 307095
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.4 39.8
 83 13.9 8.5 15.7

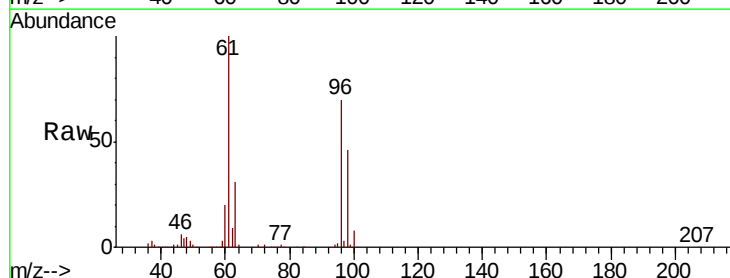


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

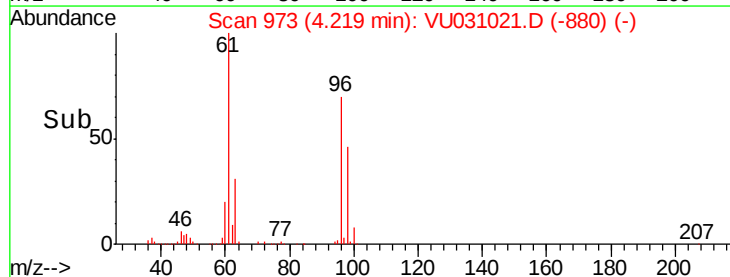
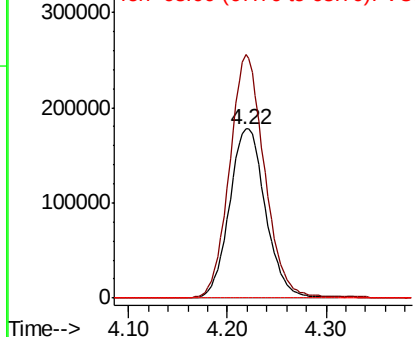


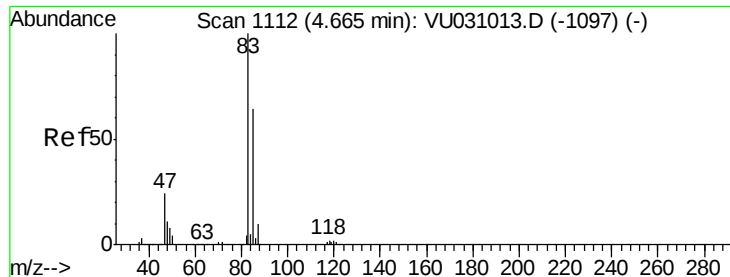
#20
 cis-1,2-Dichloroethene
 Concen: 124.111 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031021.D
 Acq: 10 Apr 2019 19:12

Tgt Ion: 96 Resp: 453640
 Ion Ratio Lower Upper
 96 100
 61 143.8 102.9 191.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

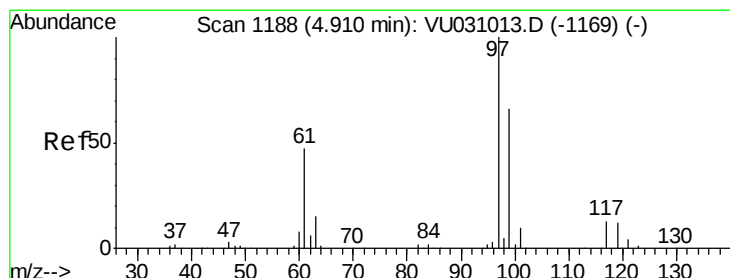
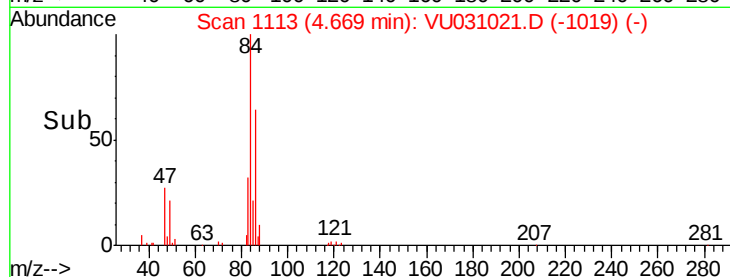
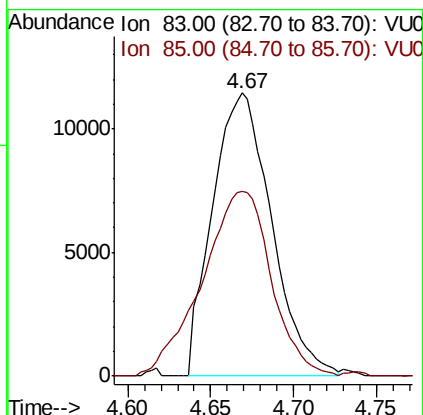
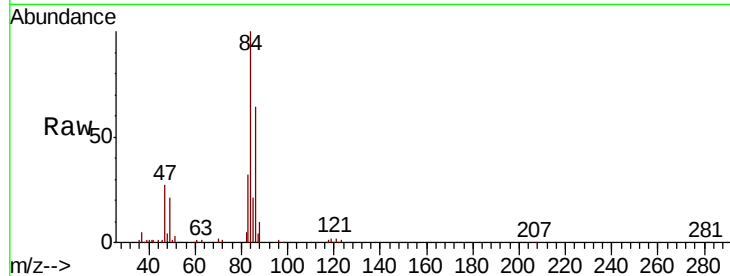




#25
Chloroform
Concen: 4.130 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031021.D
Acq: 10 Apr 2019 19:12

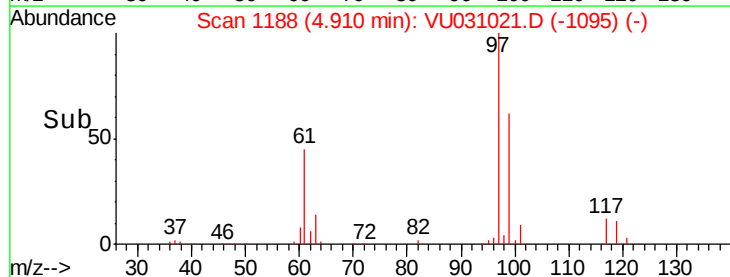
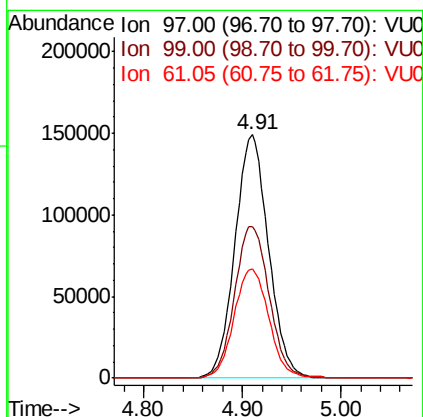
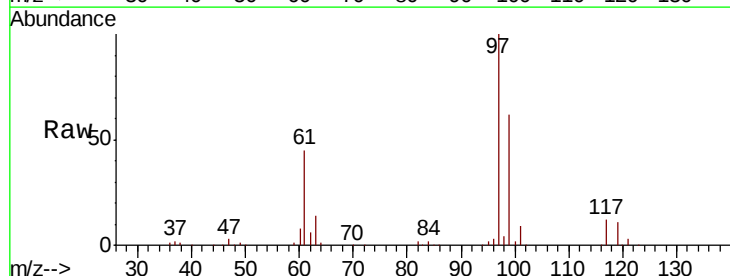
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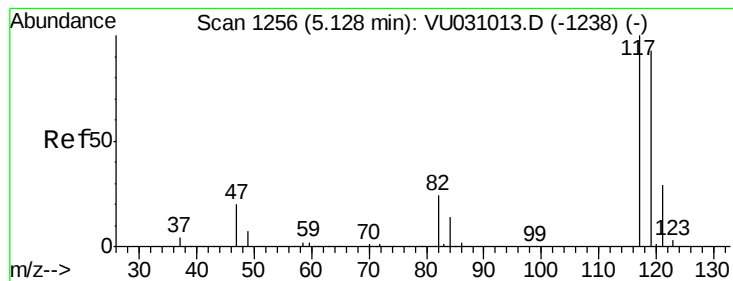
Tot Ion: 83 Resp: 28360
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.0



#30
1,1,1-Trichloroethane
Concen: 63.787 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031021.D
Acq: 10 Apr 2019 19:12

Tgt Ion: 97 Resp: 352891
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 46.3 37.1 55.7





#31

Carbon tetrachloride

Concen: 9.535 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.22 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

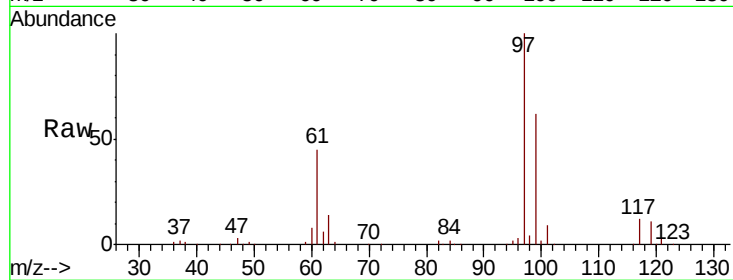
E3YE7DL

Tot Ion:117 Resp: 45459

Ion Ratio Lower Upper

117 100

119 92.2 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.91

20000

15000

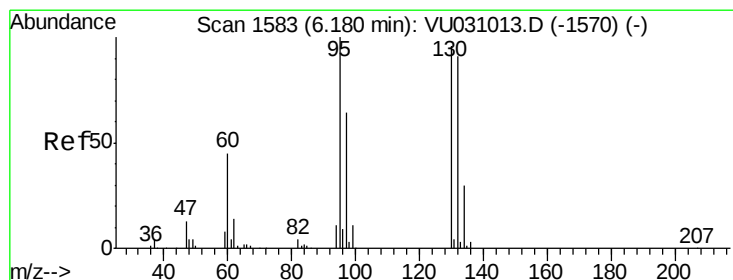
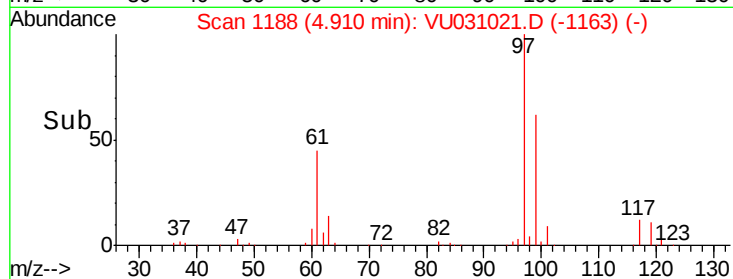
10000

5000

0

4.85 4.90 4.95 5.00

Time-->



#34

Trichloroethene

Concen: 1.085 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Tgt Ion: 95 Resp: 3955

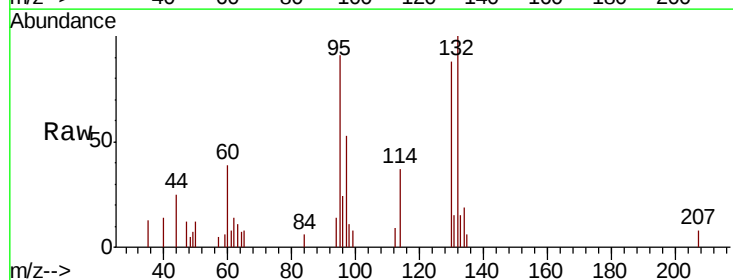
Ion Ratio Lower Upper

95 100

97 58.3 44.5 82.7

132 109.4 61.5 114.1

130 96.5 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

3000

2500

2000

1500

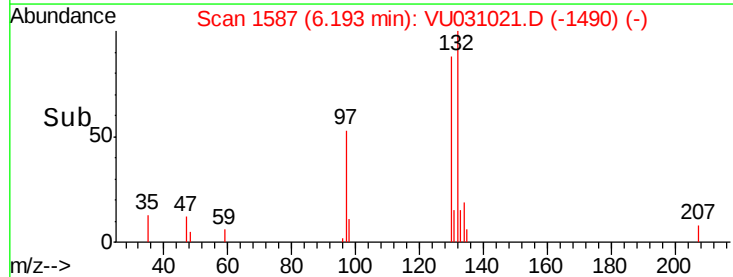
1000

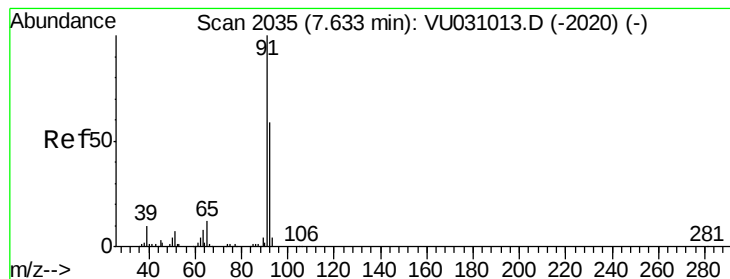
500

0

6.15 6.20 6.25

Time-->





#42

Toluene

Concen: 1.022 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

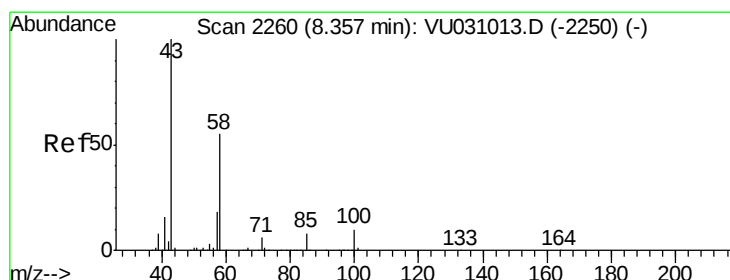
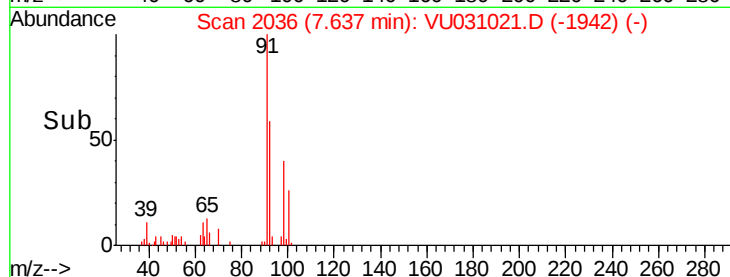
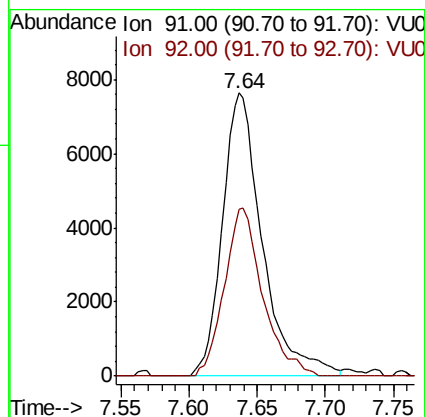
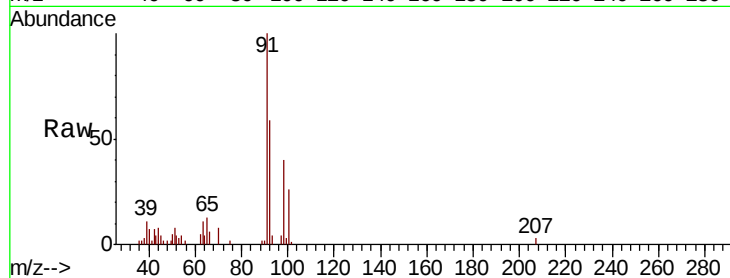
E3YE7DL

Tot Ion: 91 Resp: 15504

Ion Ratio Lower Upper

91 100

92 59.0 40.0 74.4



#48

2-Hexanone

Concen: 2.501 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Tgt Ion: 43 Resp: 13199

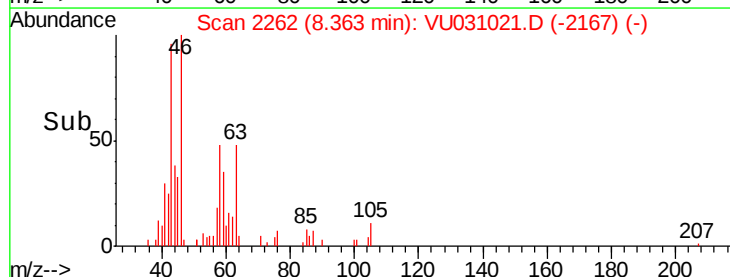
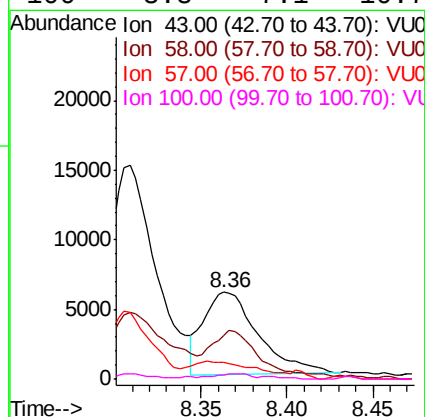
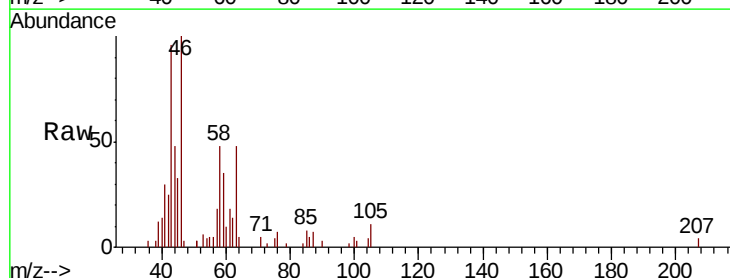
Ion Ratio Lower Upper

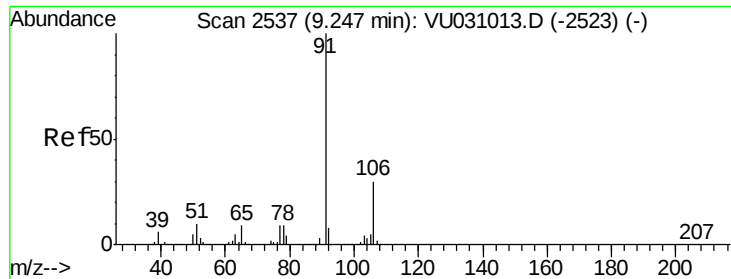
43 100

58 49.0 41.9 62.9

57 0.0 14.3 21.5#

100 3.8 7.1 10.7#





#52

Ethylbenzene

Concen: 1.777 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

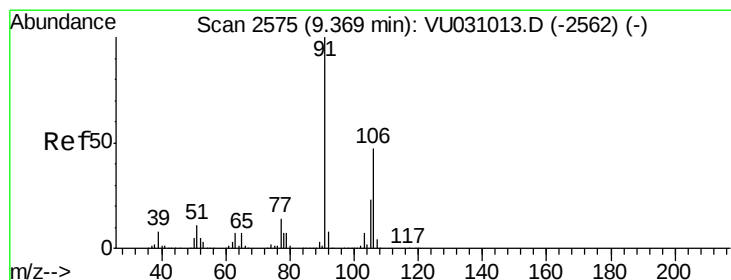
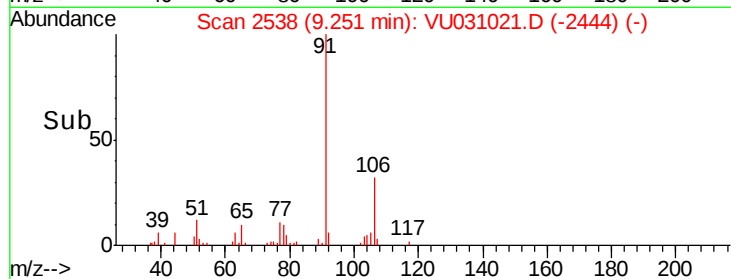
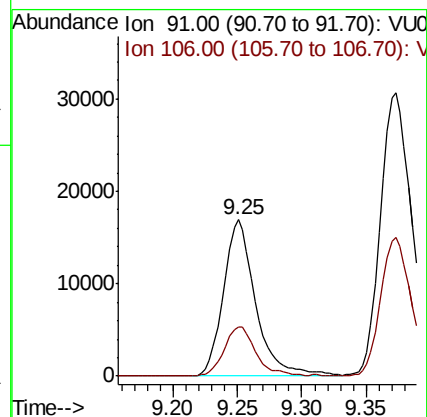
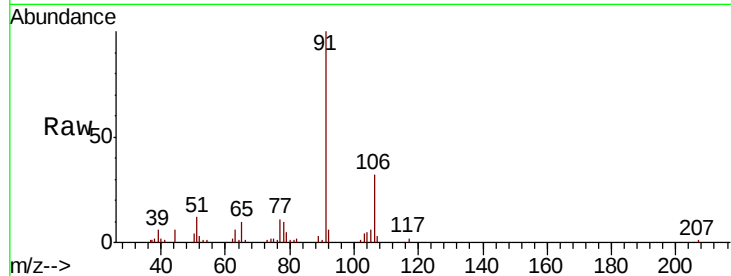
E3YE7DL

Tot Ion: 91 Resp: 29373

Ion Ratio Lower Upper

91 100

106 31.8 20.4 37.8



#53

m,p-Xylene

Concen: 4.374 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031021.D

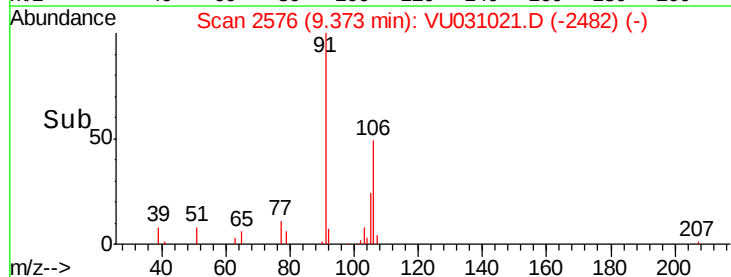
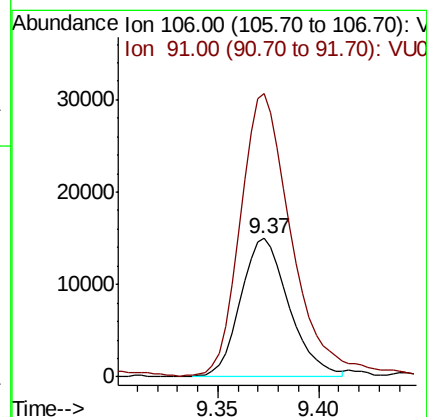
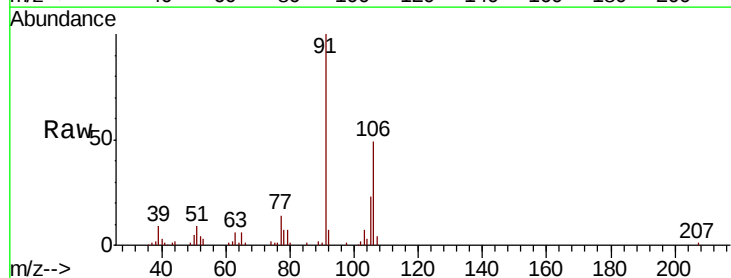
Acq: 10 Apr 2019 19:12

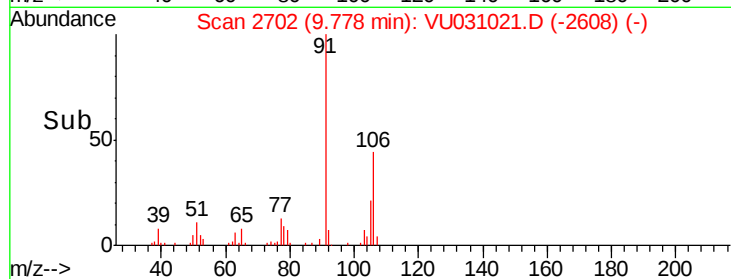
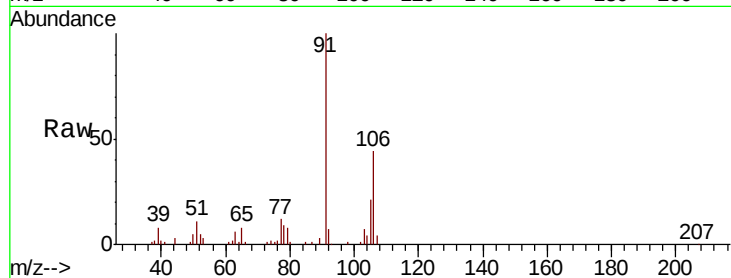
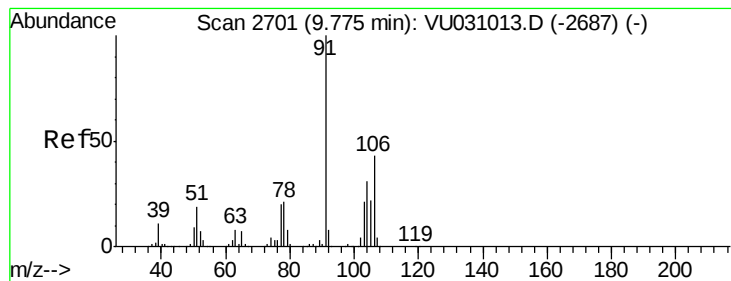
Tgt Ion: 106 Resp: 25217

Ion Ratio Lower Upper

106 100

91 204.4 148.0 274.8





#54

o-xylene

Concen: 4.577 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031021.D

Acq: 10 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

E3YE7DL

Tot Ion:106 Resp: 26245

Ion Ratio Lower Upper

106 100

91 225.7 156.7 290.9

