

Data File : VU033462.D
Acq On : 26 Jul 2019 18:36
Operator : JC/SP
Sample : K3976-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C99

Quant Time: Jul 27 02:03:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	252644	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	254070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	108841	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111995	58.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.12%
7) Chloroethane-d5	1.67	69	100547	61.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.08%
11) 1,1-Dichloroethene-d2	2.25	63	153184	44.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.32%
21) 2-Butanone-d5	4.15	46	143414	118.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.35%
24) Chloroform-d	4.62	84	174588	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.94%
26) 1,2-Dichloroethane-d4	5.29	65	123691	60.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.34%
32) Benzene-d6	5.32	84	378695	60.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.52%
36) 1,2-Dichloropropane-d6	6.31	67	119238	59.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.44%
41) Toluene-d8	7.55	98	334326	56.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.76%
43) trans-1,3-Dichloropropene-	7.83	79	52317	53.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.88%
47) 2-Hexanone-d5	8.29	63	102360	113.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176922	58.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	124561	64.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.34%#

Target Compounds

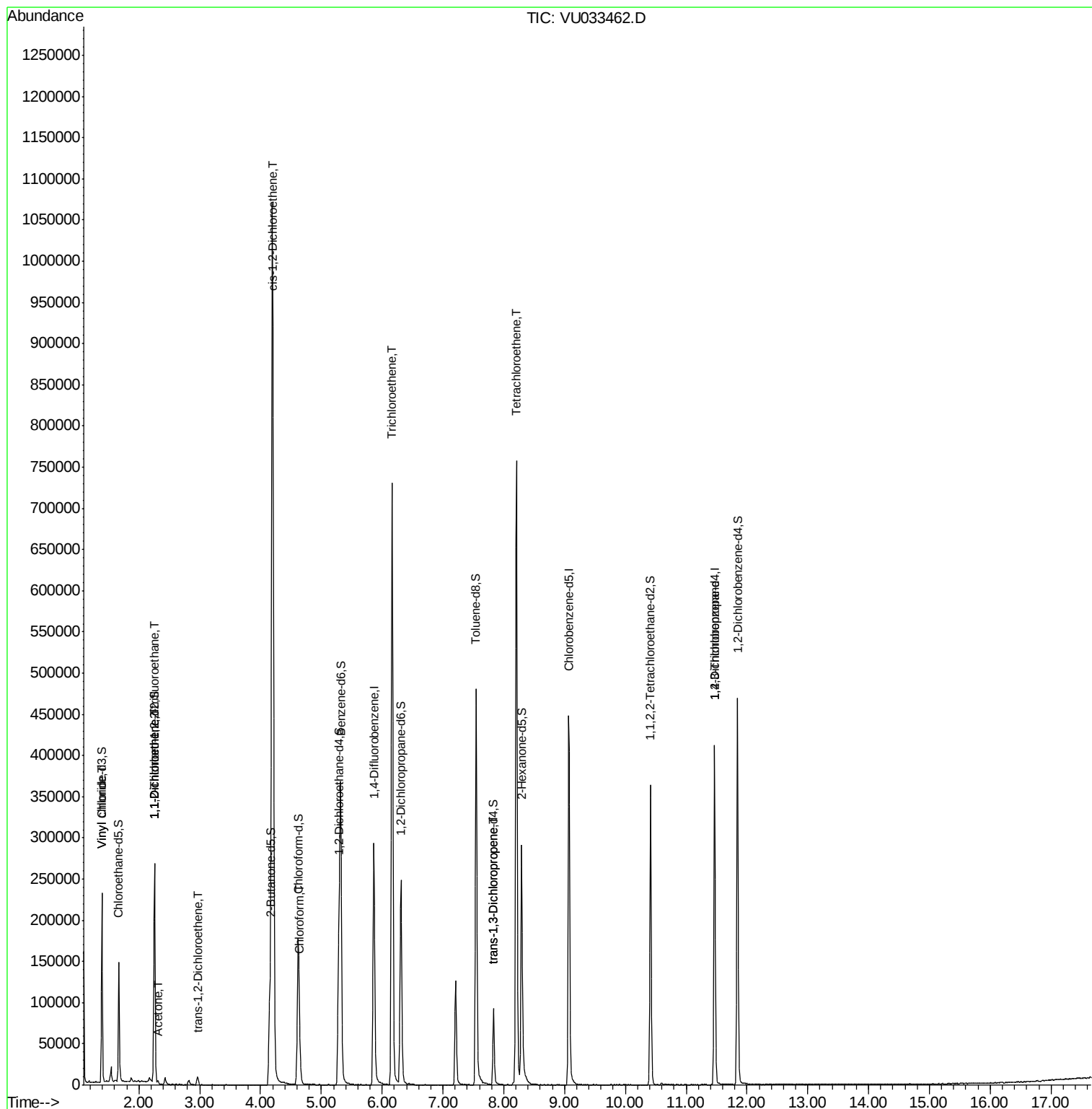
					Qvalue
5) Vinyl chloride	1.40	62	44441	15.588	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1396	0.810	ug/L # 21
12) 1,1-Dichloroethene	2.26	96	2094	1.242	ug/L # 1
13) Acetone	2.31	43	2902	1.917	ug/L 87
17) trans-1,2-Dichloroethene	2.97	96	4060	2.330	ug/L 90
20) cis-1,2-Dichloroethene	4.20	96	601031	305.735	ug/L 100
25) Chloroform	4.65	83	17678	4.962	ug/L 94
34) Trichloroethene	6.16	95	249780	128.902	ug/L 98
44) trans-1,3-Dichloropropene	7.83	75	2296	0.826	ug/L 87
46) Tetrachloroethene	8.21	164	169405	112.931	ug/L 98
59) 1,2,3-Trichloropropane	11.47	75	13388	5.118	ug/L 93

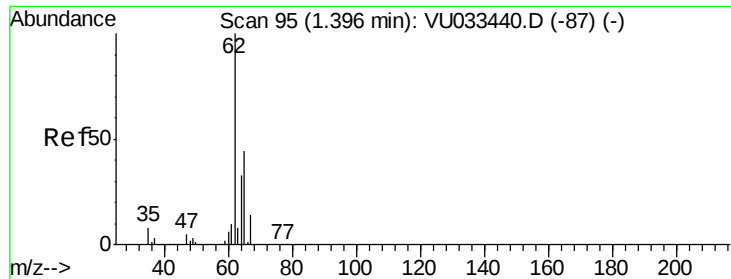
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 15.588 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

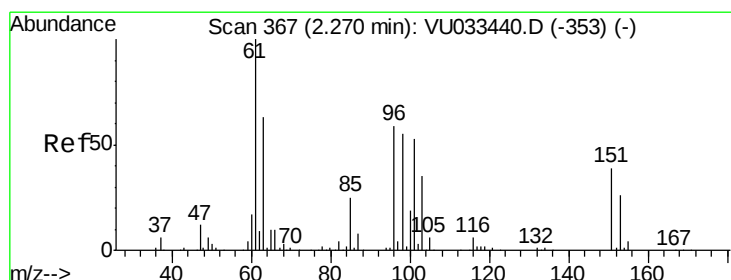
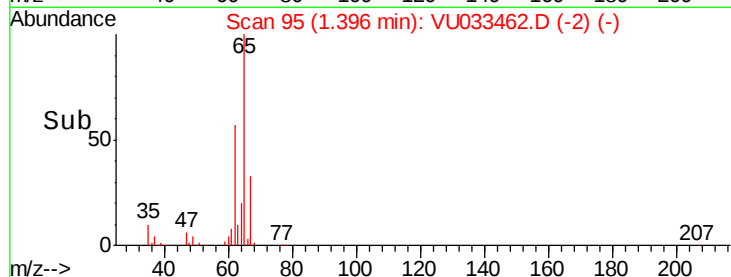
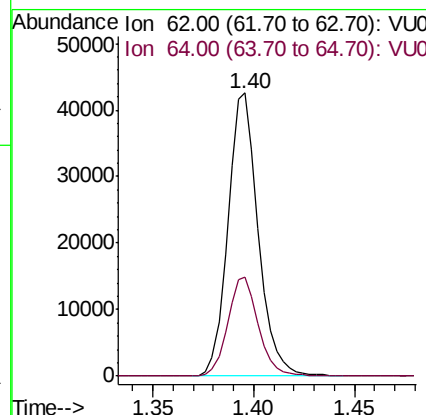
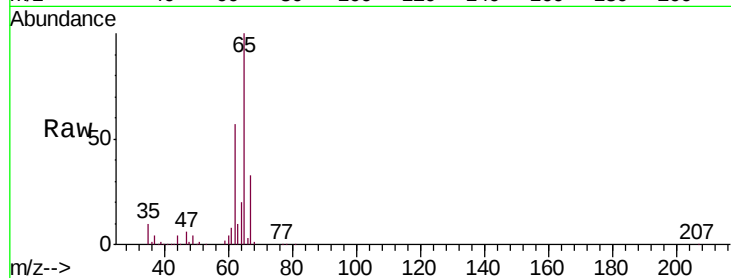
C0C99

Tgt Ion: 62 Resp: 44441

Ion Ratio Lower Upper

62 100

64 34.9 22.7 42.3



#10

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

Concen: 0.810 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

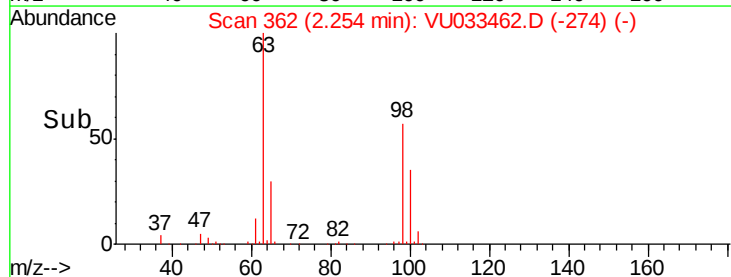
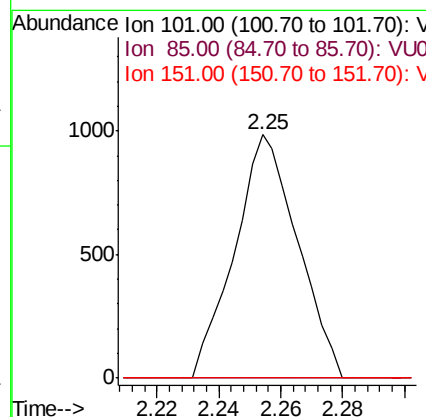
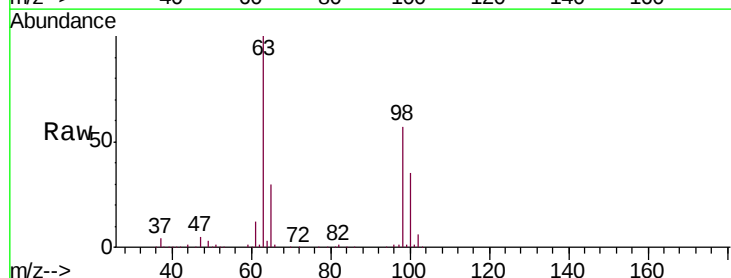
Tgt Ion: 101 Resp: 1396

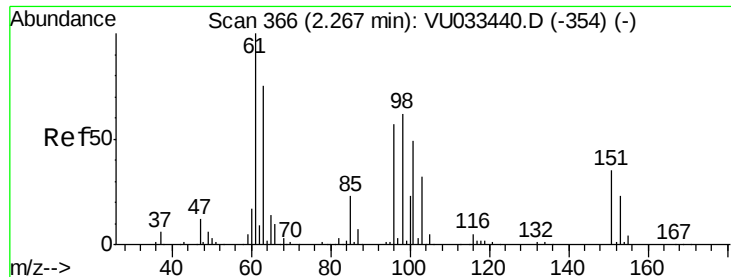
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 1.242 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

C0C99

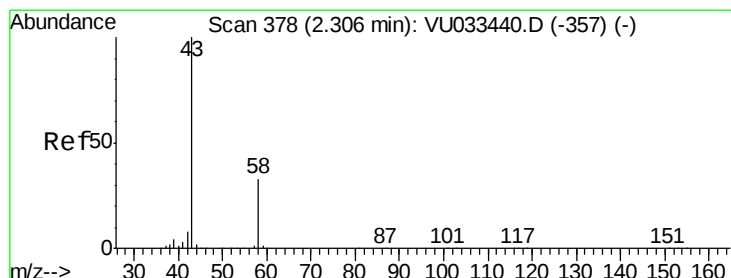
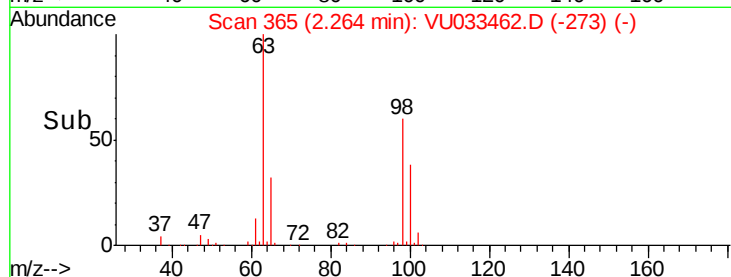
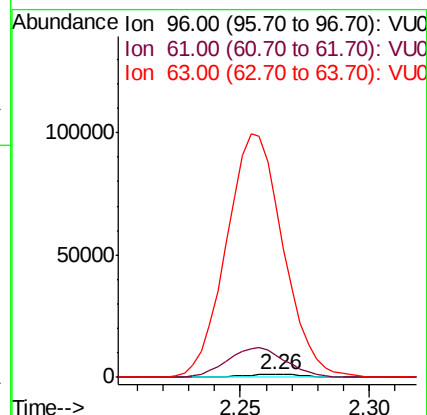
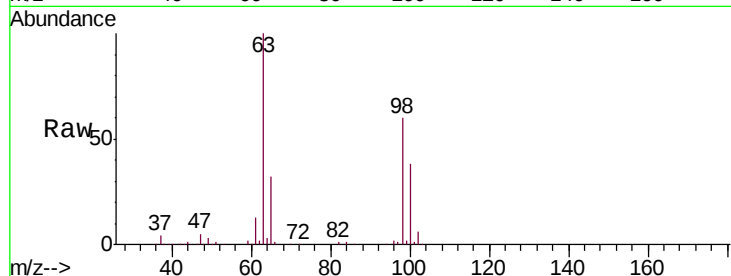
Tgt Ion: 96 Resp: 2094

Ion Ratio Lower Upper

96 100

61 805.3 126.1 234.1#

63 6143.9 96.8 179.8#



#13

Acetone

Concen: 1.917 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033462.D

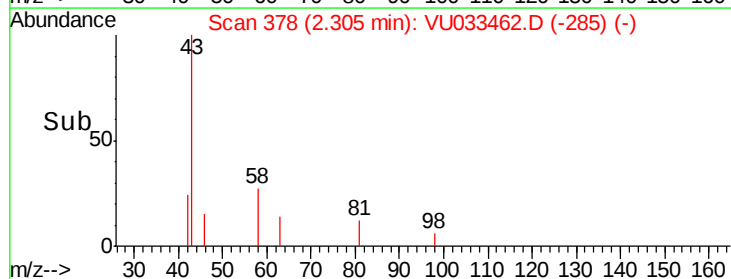
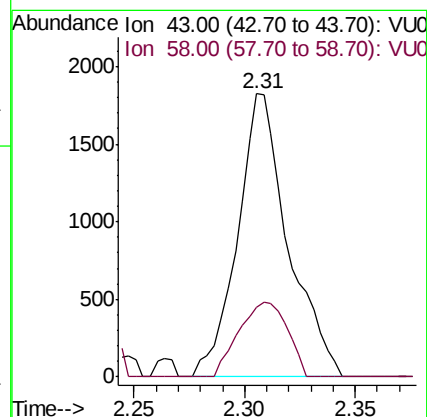
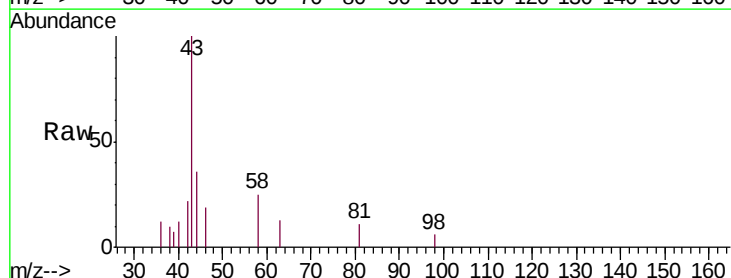
Acq: 26 Jul 2019 18:36

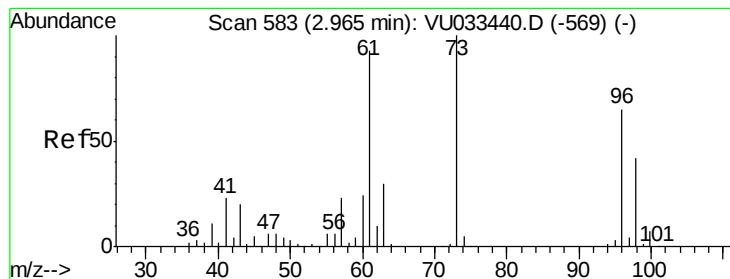
Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

43 100

58 25.5 0.0 65.4





#17

trans-1,2-Dichloroethene

Concen: 2.330 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

C0C99

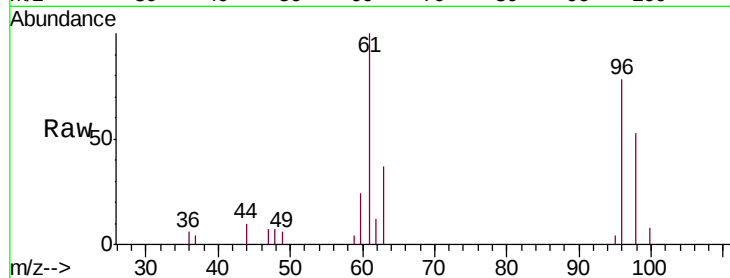
Tgt Ion: 96 Resp: 4060

Ion Ratio Lower Upper

96 100

61 128.1 100.2 186.2

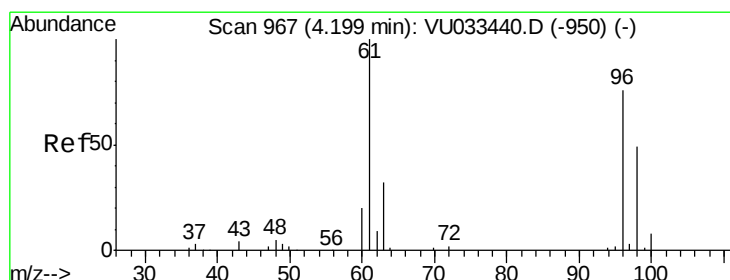
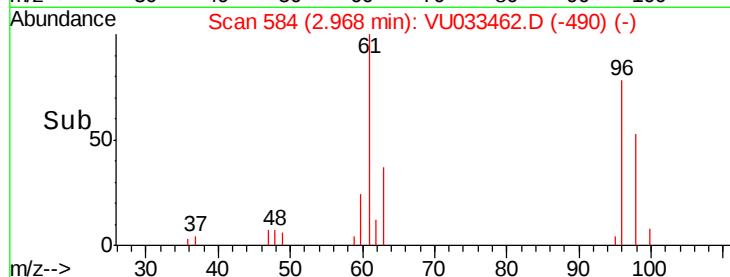
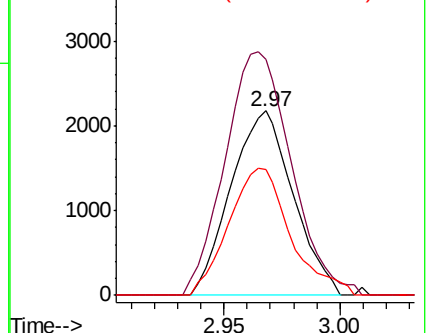
98 68.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033440.D (-569) (-)



#20

cis-1,2-Dichloroethene

Concen: 305.735 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

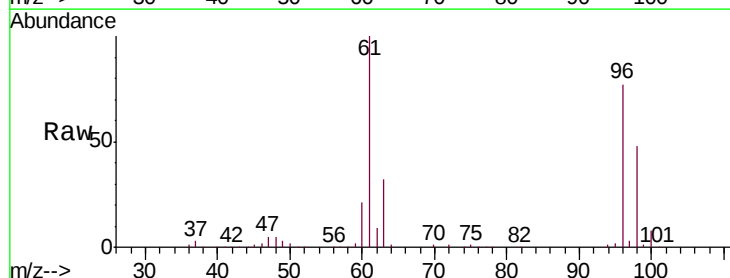
Tgt Ion: 96 Resp: 601031

Ion Ratio Lower Upper

96 100

61 130.5 91.1 169.1

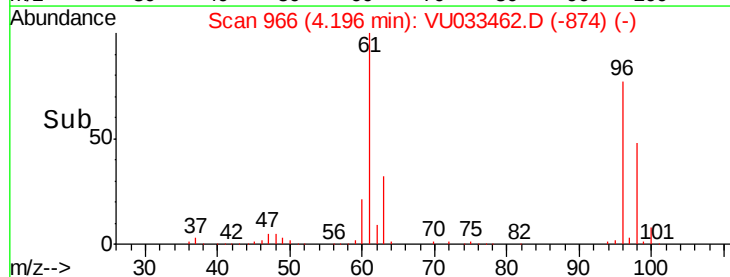
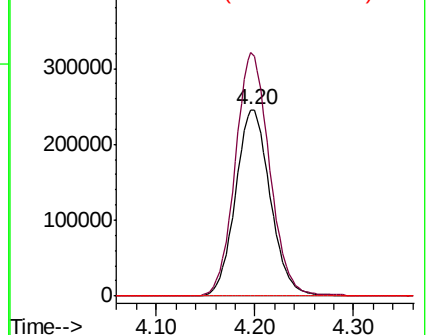
68 0.0 0.0 0.0

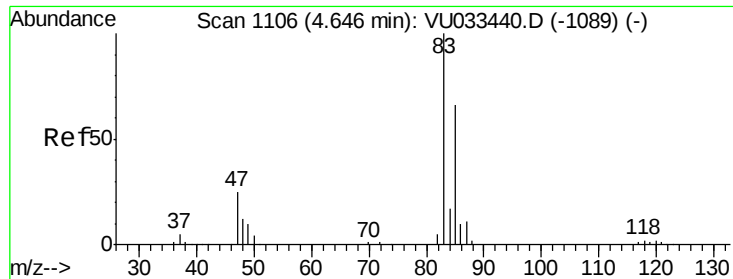


Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-950) (-)





#25

Chloroform

Concen: 4.962 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

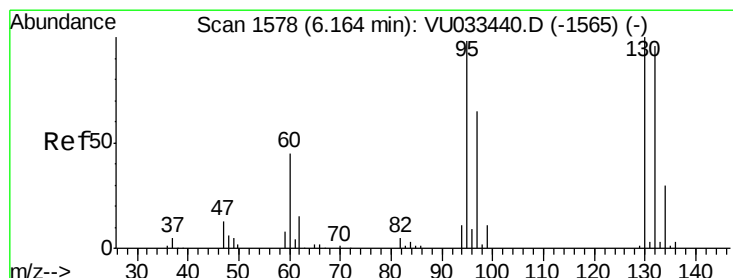
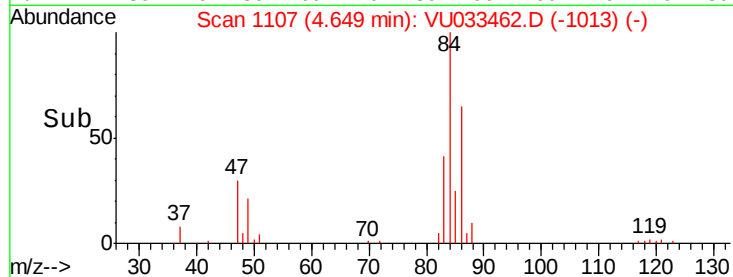
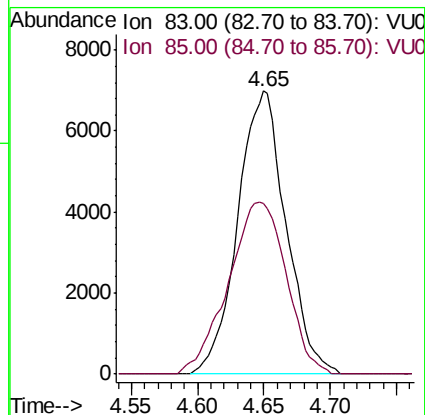
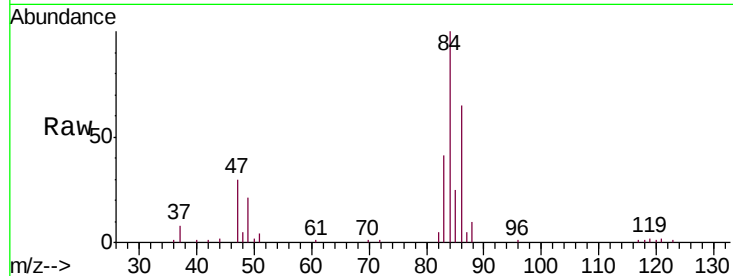
C0C99

Tgt Ion: 83 Resp: 17678

Ion Ratio Lower Upper

83 100

85 60.5 45.4 84.4



#34

Trichloroethene

Concen: 128.902 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

Tgt Ion: 95 Resp: 249780

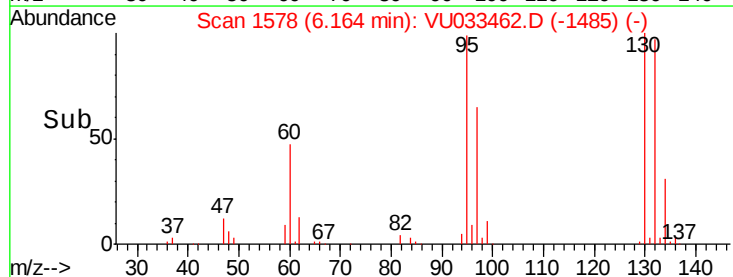
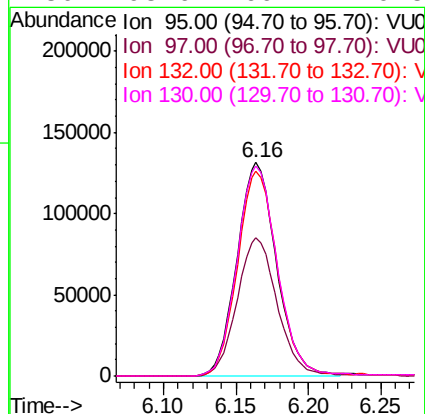
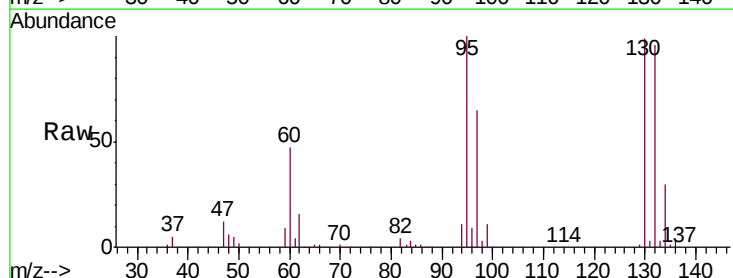
Ion Ratio Lower Upper

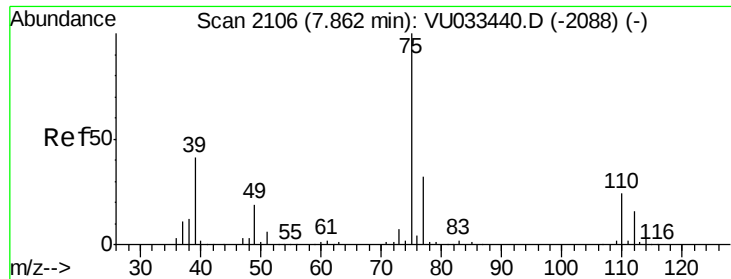
95 100

97 64.5 43.8 81.4

132 96.1 65.5 121.6

130 98.6 69.7 129.5

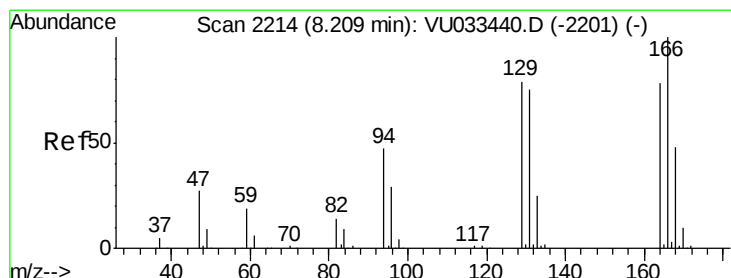
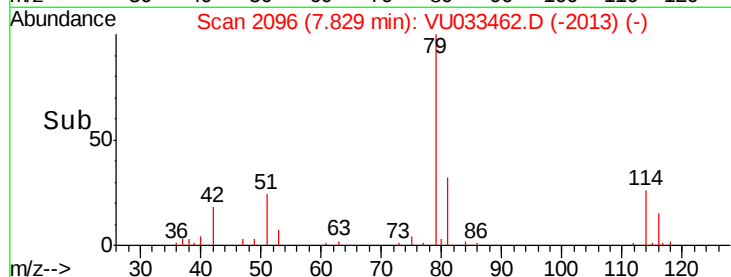
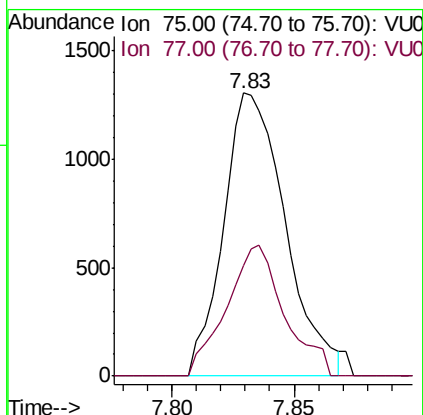
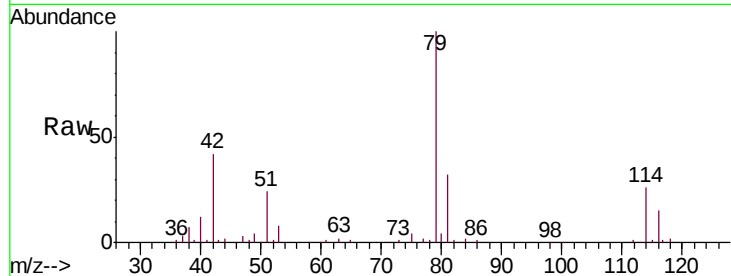




#44
trans-1,3-Dichloropropene
Concen: 0.826 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033462.D
Acq: 26 Jul 2019 18:36

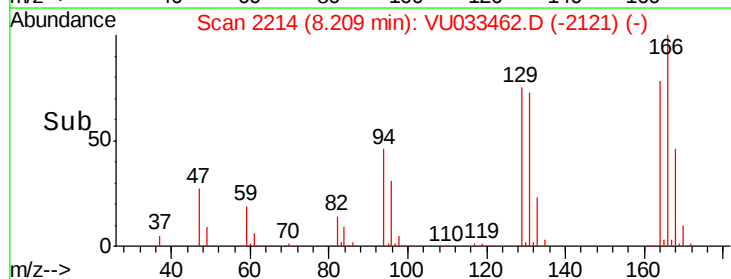
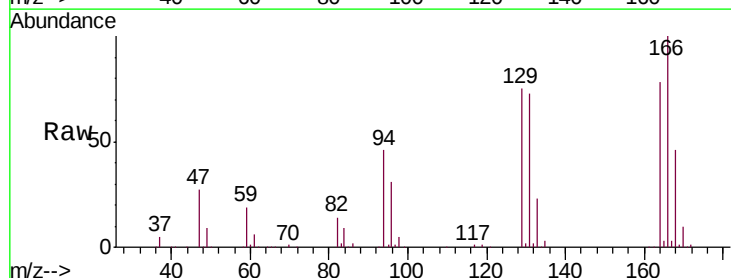
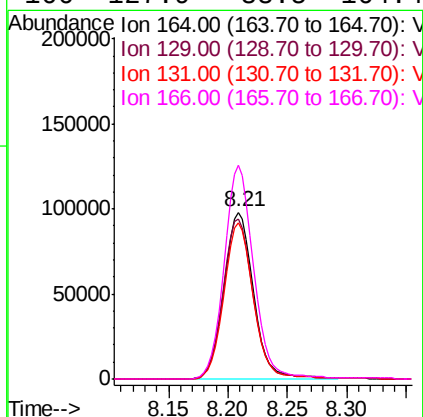
Instrument :
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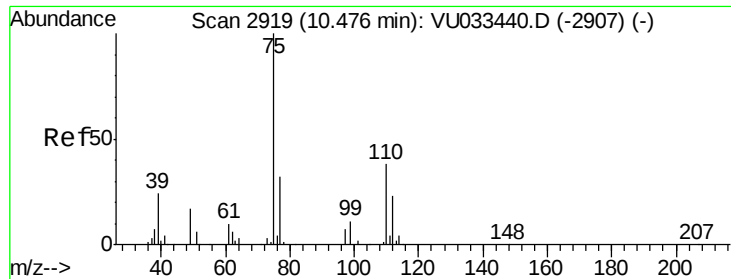
Tgt Ion: 75 Resp: 2296
Ion Ratio Lower Upper
75 100
77 39.1 22.4 41.6



#46
Tetrachloroethene
Concen: 112.931 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033462.D
Acq: 26 Jul 2019 18:36

Tgt Ion: 164 Resp: 169405
Ion Ratio Lower Upper
164 100
129 95.6 69.6 129.2
131 93.8 65.7 122.1
166 127.9 88.5 164.4





#59

1,2,3-Trichloropropane

Concen: 5.118 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033462.D

Acq: 26 Jul 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

C0C99

Tgt Ion: 75 Resp: 13388

Ion Ratio Lower Upper

75 100

77 36.7 26.0 39.0

