

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035361.D
 Acq On : 22 Oct 2019 13:38
 Operator : JC/SP
 Sample : K5461-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 06:53:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 06:48:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	279346	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	265187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	86105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	129419	7.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	152.00%#
7) Chloroethane-d5	1.94	69	103229	6.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	132.60%#
11) 1,1-Dichloroethene-d2	2.60	63	168742	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.20%
20) 2-Butanone-d5	4.72	46	315830	64.52	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.04%
24) Chloroform-d	5.12	84	169910	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.75	65	100743	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
32) Benzene-d6	5.77	84	382115	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.00%#
36) 1,2-Dichloropropane-d6	6.74	67	123747	6.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.60%
41) Toluene-d8	7.93	98	325939	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	8.22	79	31942	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.69	63	197436	47.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.82%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	95255	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	12.23	152	92574	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.62	50	12534	0.531	ug/L #	50
5) Vinyl chloride	1.62	62	1504296	62.108	ug/L	99
12) 1,1-Dichloroethene	2.61	96	25042	1.395	ug/L #	1
13) Acetone	2.67	43	9340	2.743	ug/L	98
14) Carbon disulfide	2.82	76	24514	0.432	ug/L #	91
16) Methylene chloride	3.08	84	2239	0.104	ug/L	94
17) Methyl tert-butyl Ether	3.43	73	67182	1.391	ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	1241967	64.125	ug/L	94
19) 1,1-Dichloroethane	3.92	63	138543	3.956	ug/L	100
25) Chloroform	5.14	83	17776	0.463	ug/L	95
30) Cyclohexane	5.43	56	25773	0.775	ug/L	97
33) Benzene	5.82	78	136740	1.752	ug/L	100
34) Trichloroethene	6.58	95	454849	21.683	ug/L	98
39) cis-1,3-Dichloropropene	7.60	75	2368	0.071	ug/L #	42
42) Toluene	8.01	91	18443	0.214	ug/L	98
48) 2-Hexanone	8.74	43	12608	1.344	ug/L #	90
59) 1,2,3-Trichloropropane	11.85	75	10613	0.769	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 06:48:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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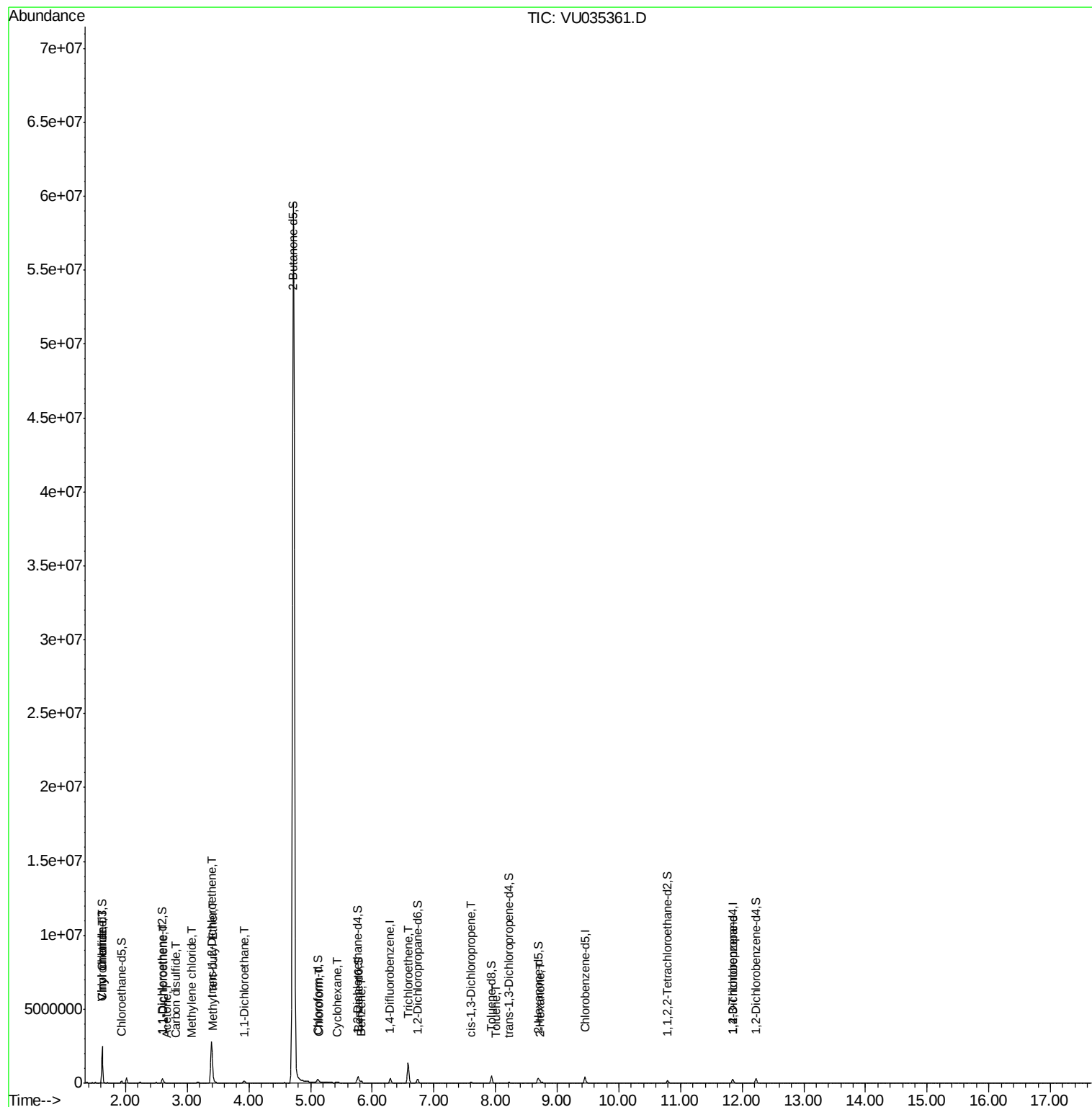
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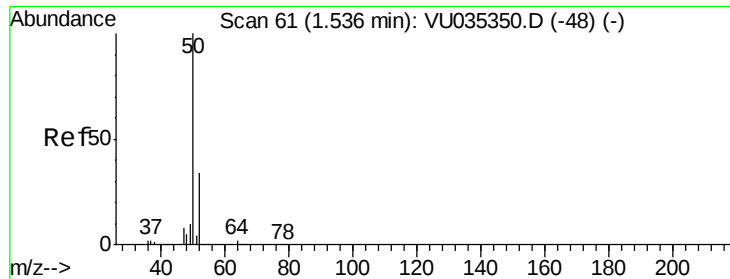
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 06:48:58 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.531 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.08 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :

MSVOA_U

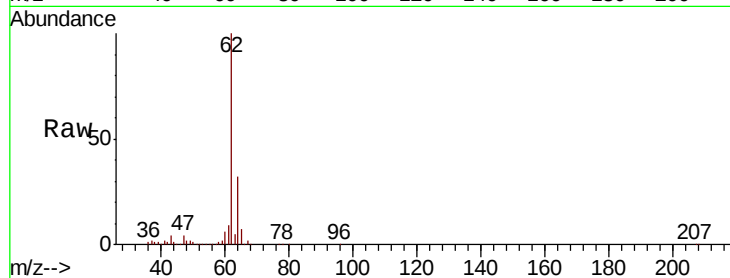
ClientSampleId :

Tot Ion: 50 Resp: 12534

Ion Ratio Lower Upper

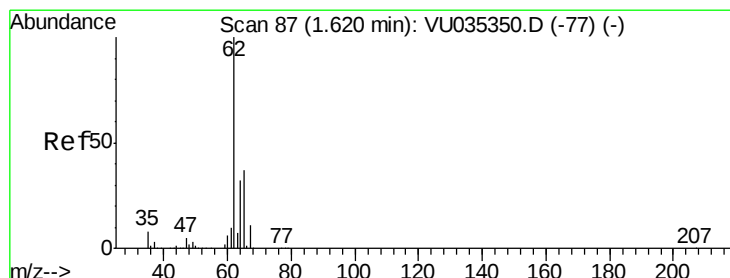
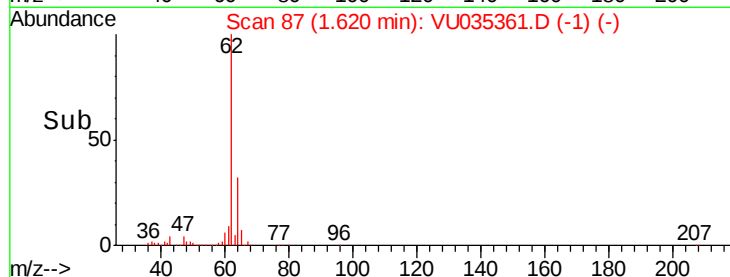
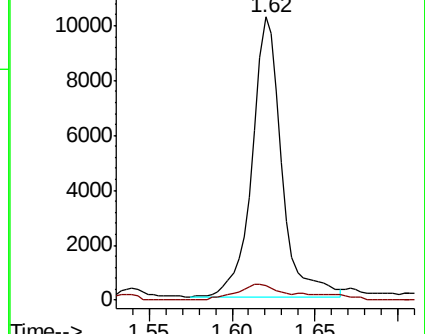
50 100

52 5.2 23.5 43.7#



Abundance Ion 50.05 (49.75 to 50.75): VU035350.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU035350.D (-48) (-)



#5

Vinyl chloride

Concen: 62.108 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035361.D

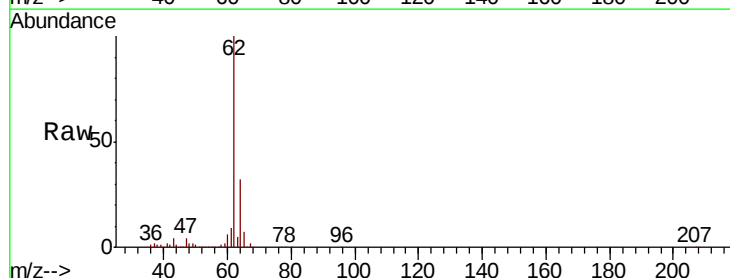
Acq: 22 Oct 2019 13:38

Tgt Ion: 62 Resp: 1504296

Ion Ratio Lower Upper

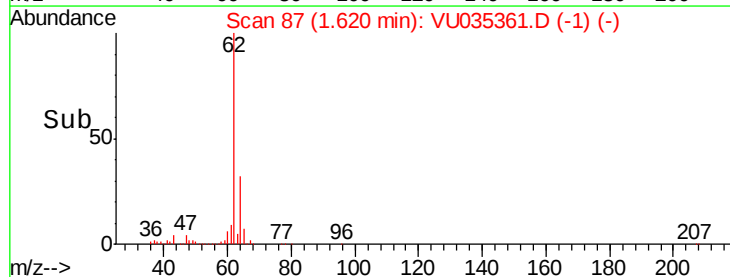
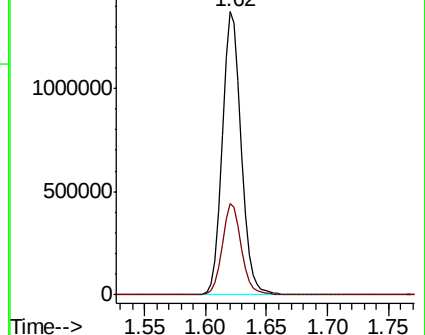
62 100

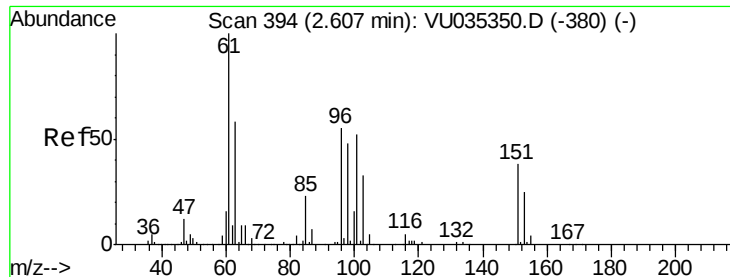
64 32.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035350.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035350.D (-77) (-)





#12

1,1-Dichloroethene

Concen: 1.395 ug/L

RT: 2.61 min Scan# 395

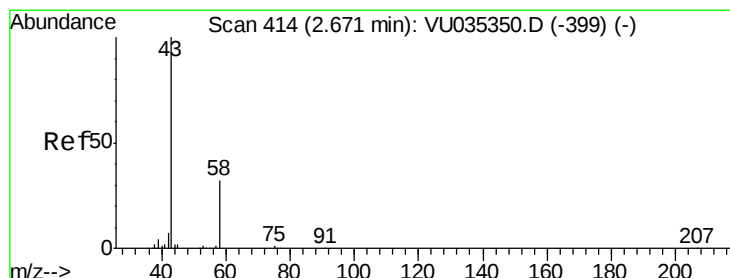
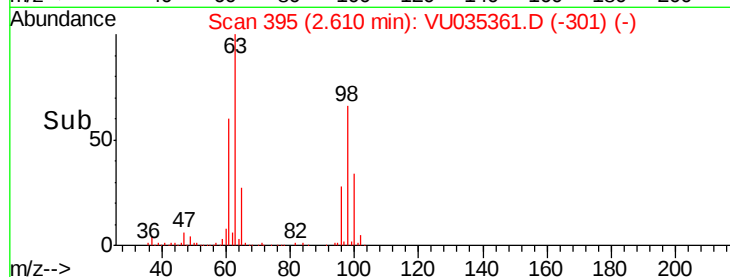
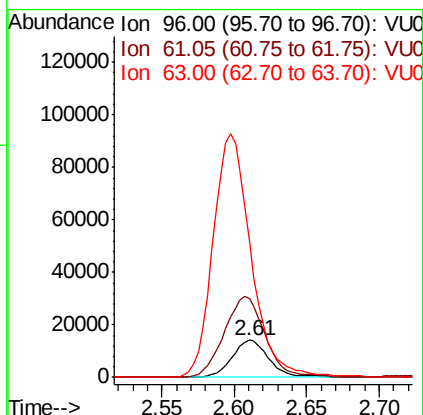
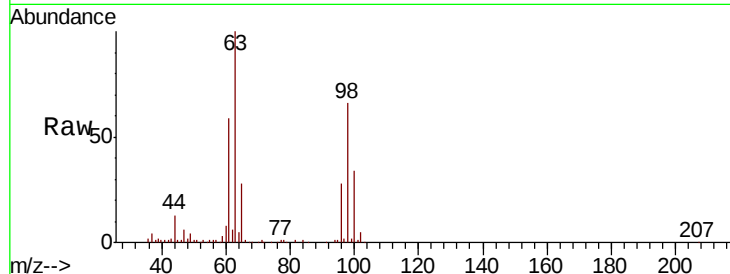
Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 25042
Ion Ratio Lower Upper
96 100
61 210.9 120.6 224.0
63 355.4 86.8 161.2#



#13

Acetone

Concen: 2.743 ug/L

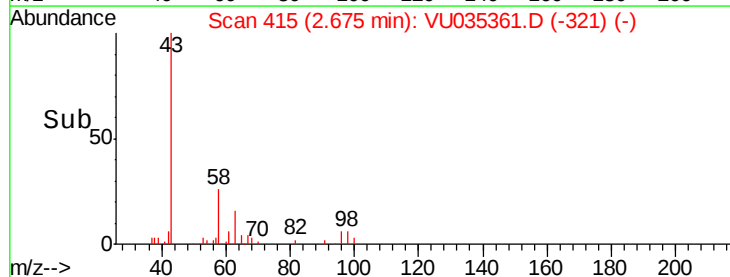
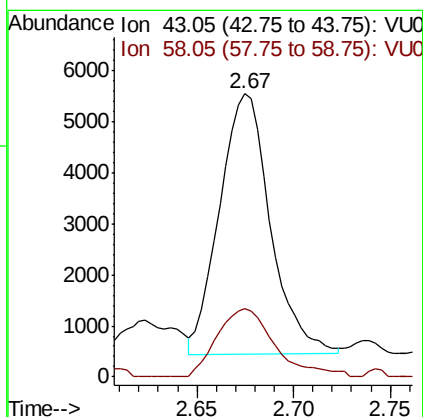
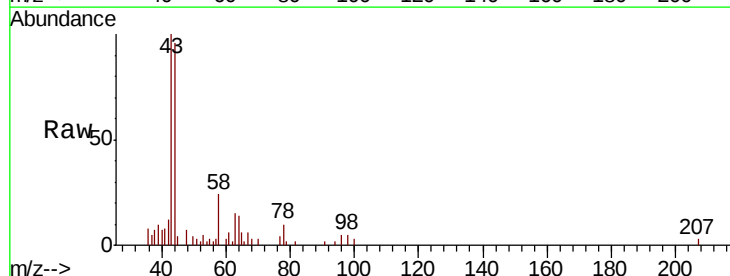
RT: 2.67 min Scan# 415

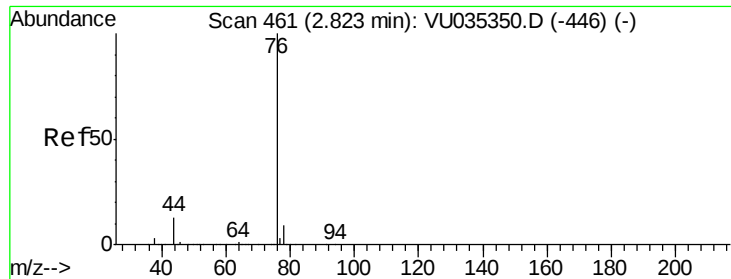
Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Tgt Ion: 43 Resp: 9340
Ion Ratio Lower Upper
43 100
58 29.8 0.0 61.8





#14

Carbon disulfide

Concen: 0.432 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :

MSVOA_U

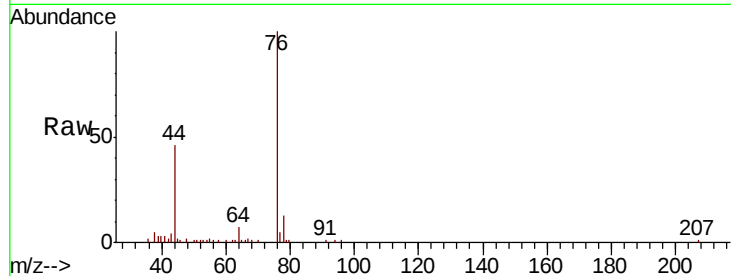
ClientSampleId :

Tot Ion: 76 Resp: 24514

Ion Ratio Lower Upper

76 100

78 12.9 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VU035350.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035350.D (-446) (-)

2.82

15000

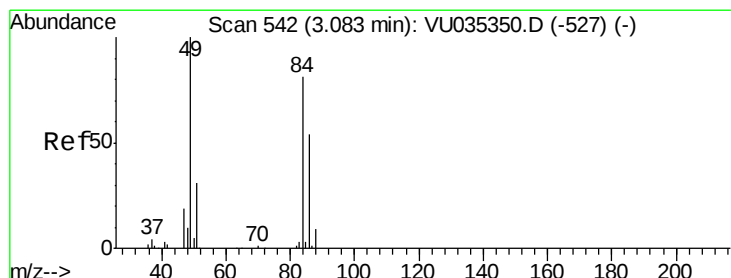
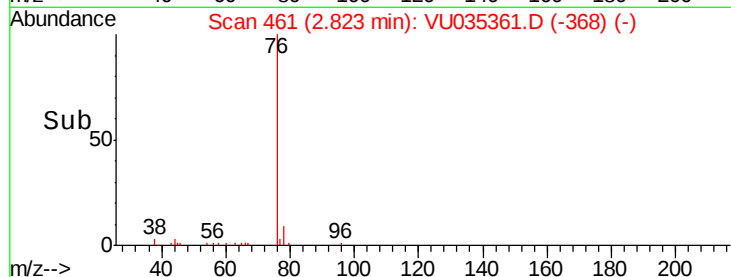
10000

5000

0

2.75 2.80 2.85 2.90

Time-->



#16

Methylene chloride

Concen: 0.104 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

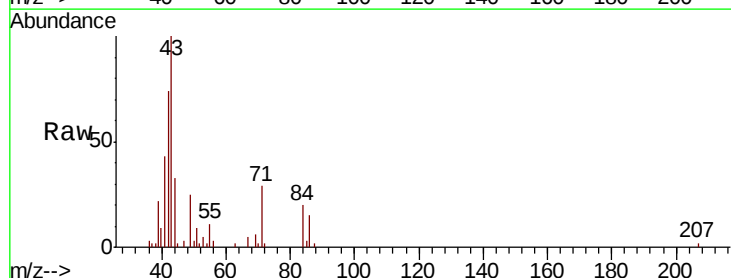
Tgt Ion: 84 Resp: 2239

Ion Ratio Lower Upper

84 100

86 76.4 45.4 84.2

49 121.6 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035350.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035350.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035350.D (-527) (-)

2000

1500

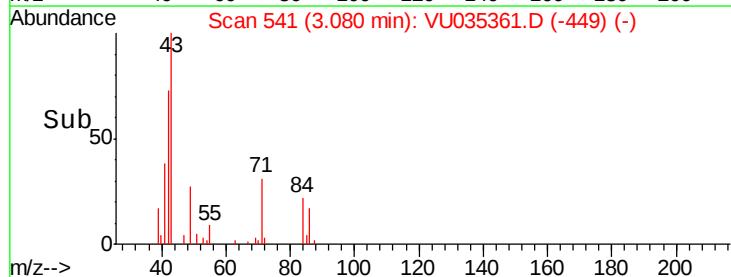
1000

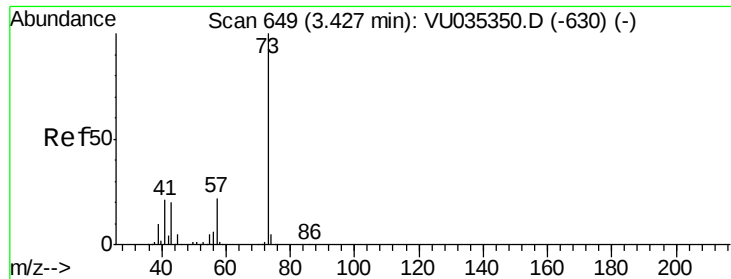
500

0

3.05 3.10 3.15

Time-->

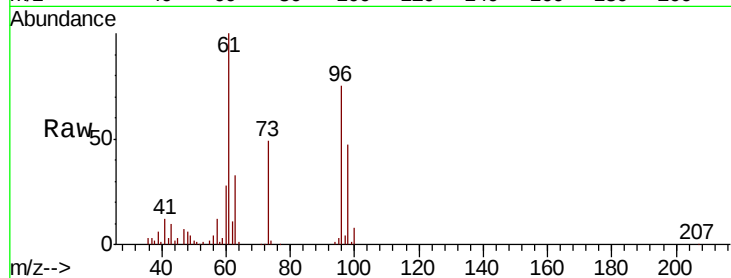




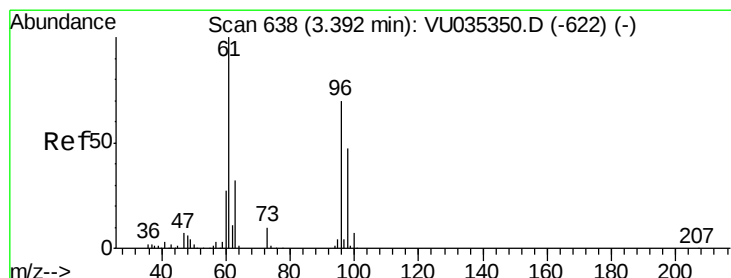
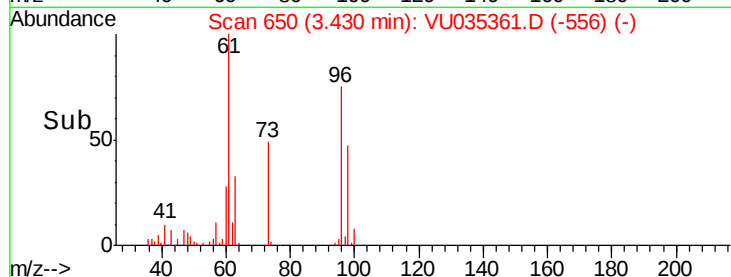
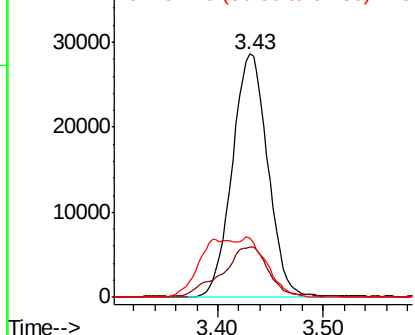
#17
Methvl tert-butvl Ether
Concen: 1.391 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035361.D
Acq: 22 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 67182
Ion Ratio Lower Upper
73 100
43 26.3 16.0 24.0#
57 16.8 17.4 26.2#

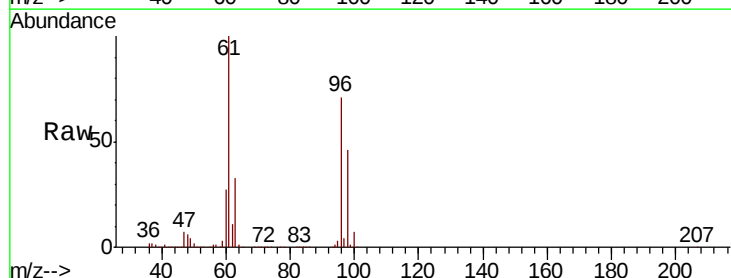


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

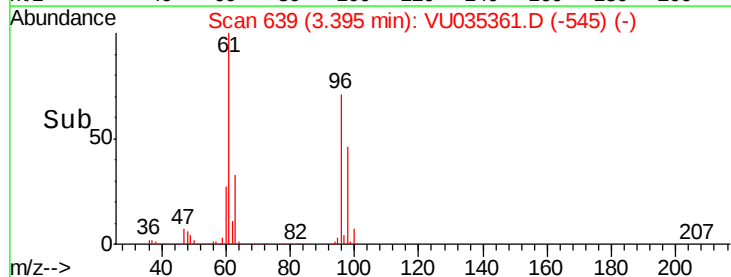
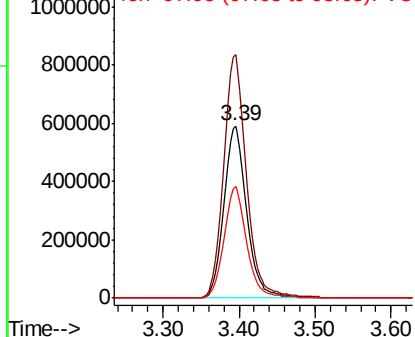


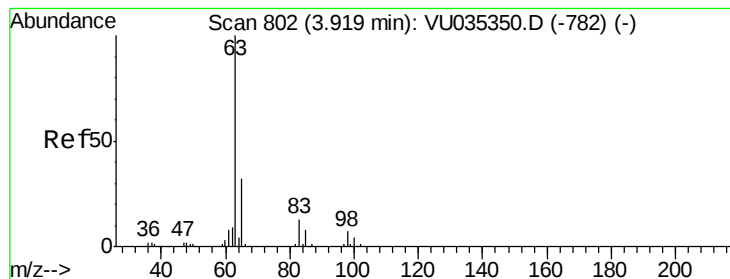
#18
trans-1,2-Dichloroethene
Concen: 64.125 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035361.D
Acq: 22 Oct 2019 13:38

Tgt Ion: 96 Resp: 1241967
Ion Ratio Lower Upper
96 100
61 141.6 93.0 172.6
98 65.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 3.956 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

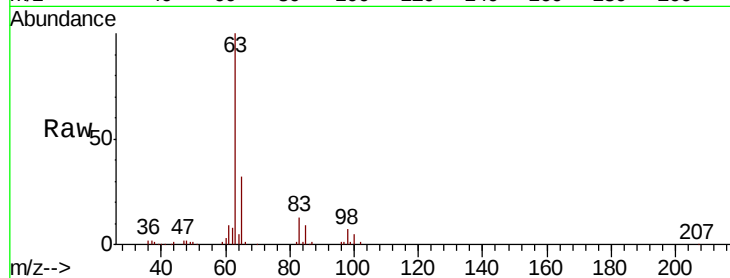
Tot Ion: 63 Resp: 138543

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

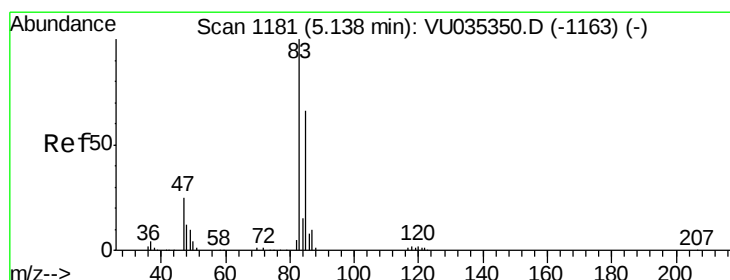
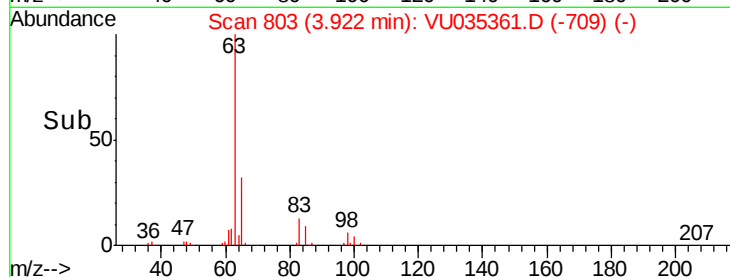
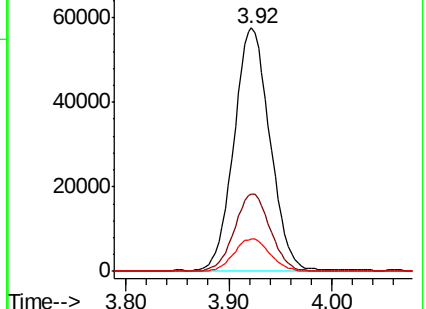
83 13.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035361.D (-1088) (-)

Ion 65.10 (64.80 to 65.80): VU035361.D (-1088) (-)

Ion 83.05 (82.75 to 83.75): VU035361.D (-1088) (-)



#25

Chloroform

Concen: 0.463 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035361.D

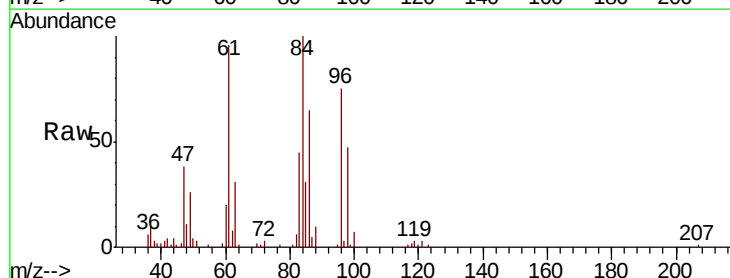
Acq: 22 Oct 2019 13:38

Tgt Ion: 83 Resp: 17776

Ion Ratio Lower Upper

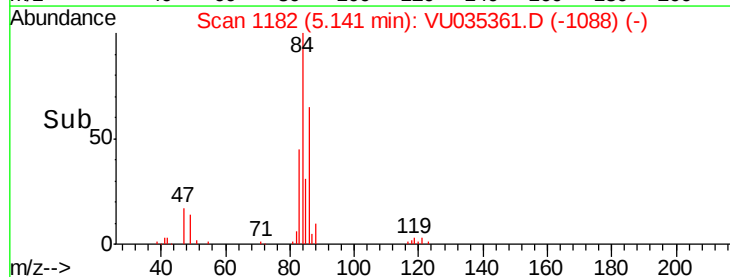
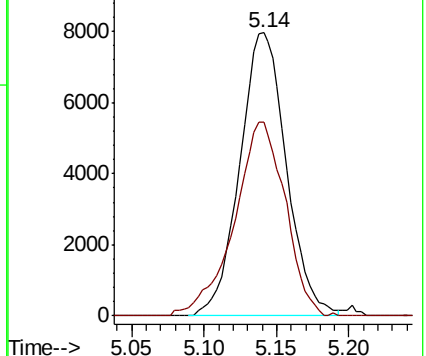
83 100

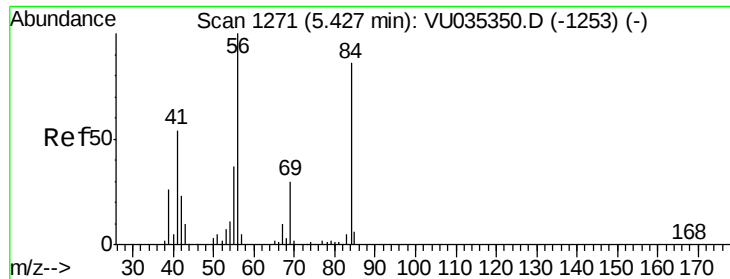
85 68.3 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035361.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035361.D (-1088) (-)

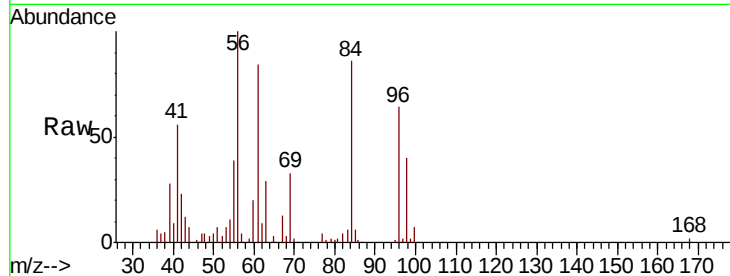




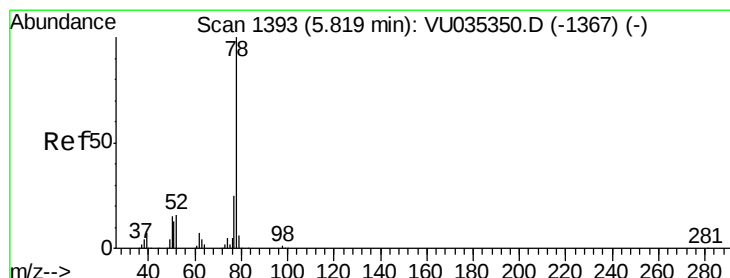
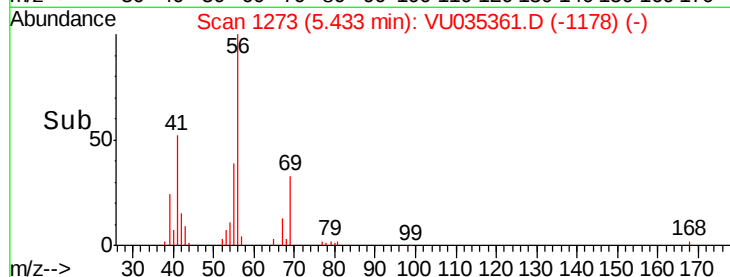
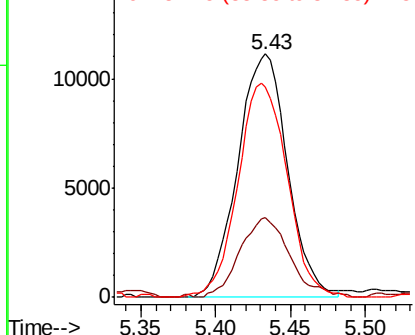
#30
Cyclohexane
Concen: 0.775 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU035361.D
Acq: 22 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampled :

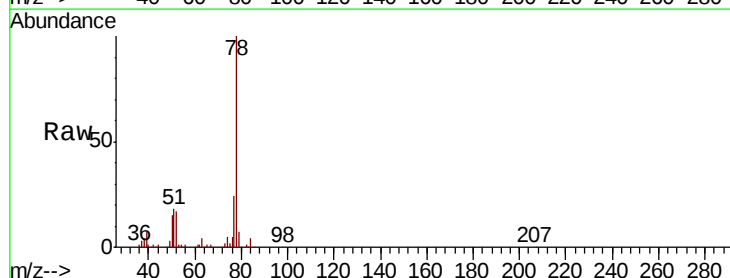
Tot Ion: 56 Resp: 25773
Ion Ratio Lower Upper
56 100
69 32.9 24.6 36.8
84 87.2 71.5 107.3



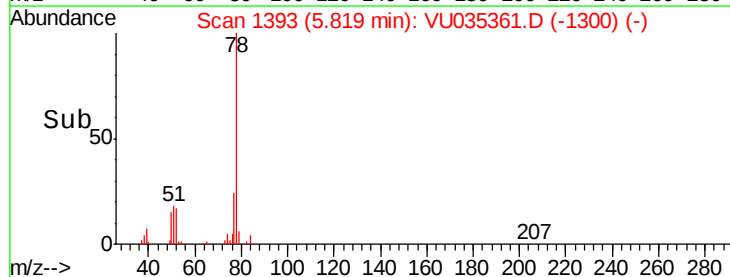
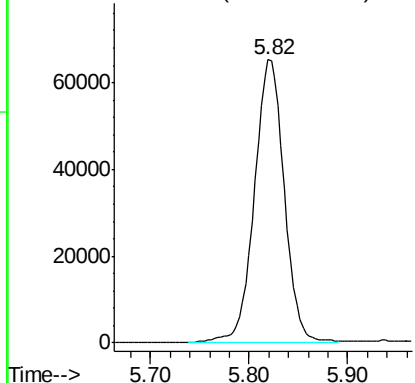
Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

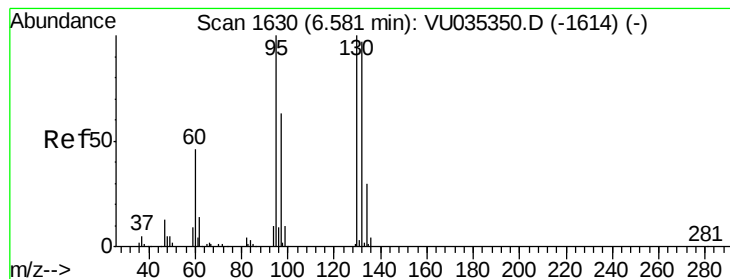


#33
Benzene
Concen: 1.752 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035361.D
Acq: 22 Oct 2019 13:38
Tgt Ion: 78 Resp: 136740



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 21.683 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 454849

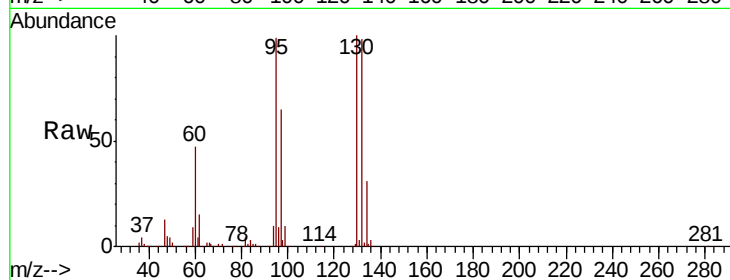
Ion Ratio Lower Upper

95 100

97 65.8 46.6 86.6

132 98.3 68.7 127.7

130 100.6 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

300000

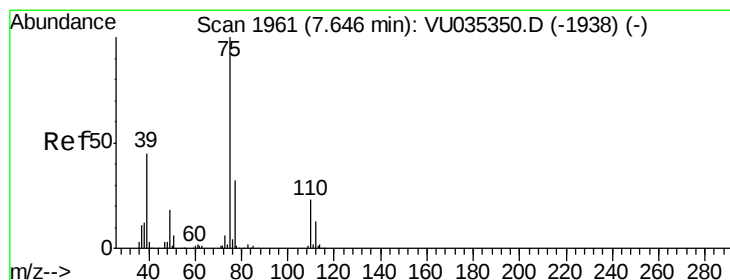
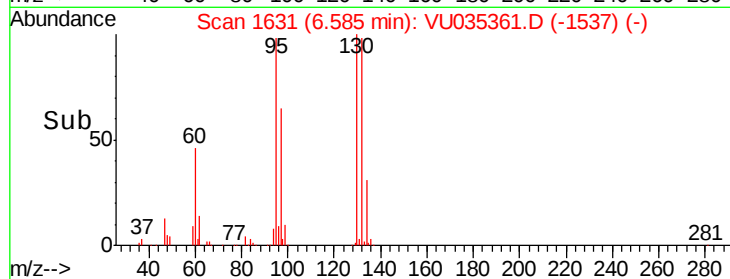
200000

100000

0

6.50 6.55 6.60 6.65

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035361.D

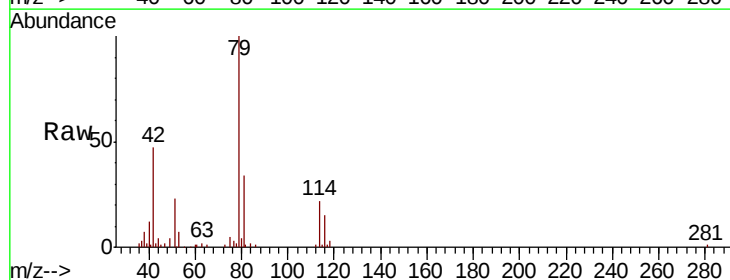
Acq: 22 Oct 2019 13:38

Tgt Ion: 75 Resp: 2368

Ion Ratio Lower Upper

75 100

77 65.0 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

1500

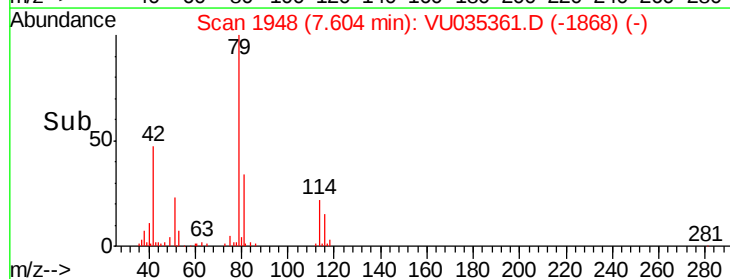
1000

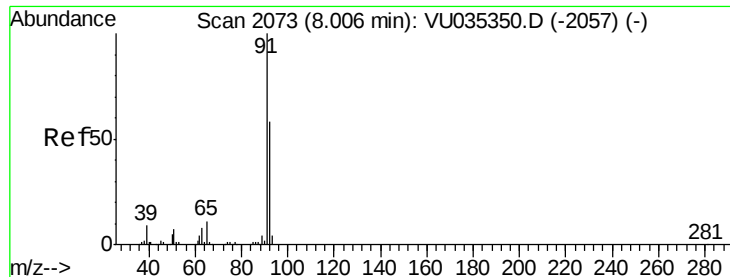
500

0

7.55 7.60 7.65

Time-->





#42

Toluene

Concen: 0.214 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

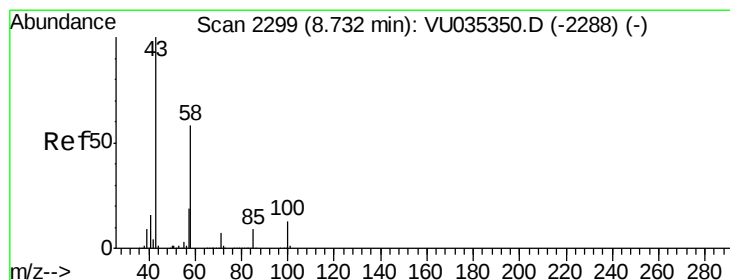
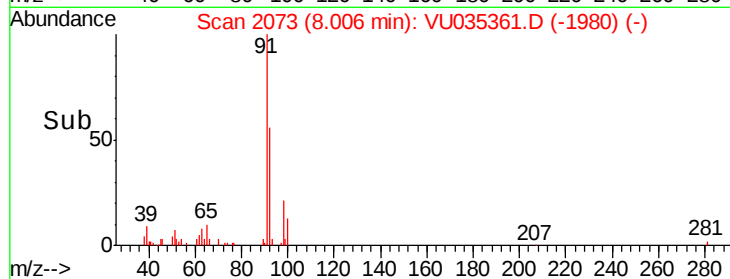
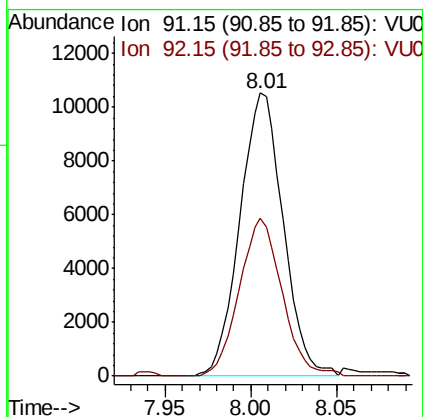
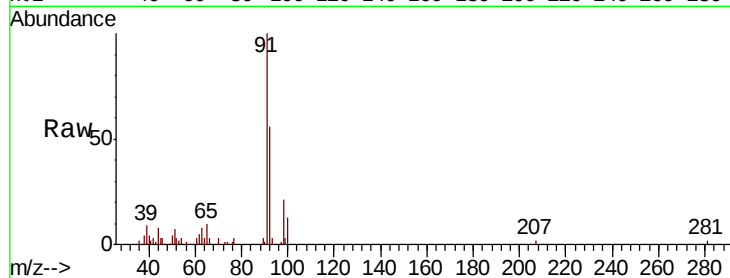
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 18443

Ion Ratio Lower Upper

91 100

92 55.6 39.9 74.1



#48

2-Hexanone

Concen: 1.344 ug/L

RT: 8.74 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Tgt Ion: 43 Resp: 12608

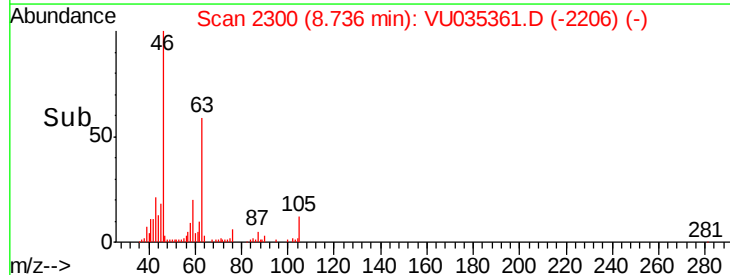
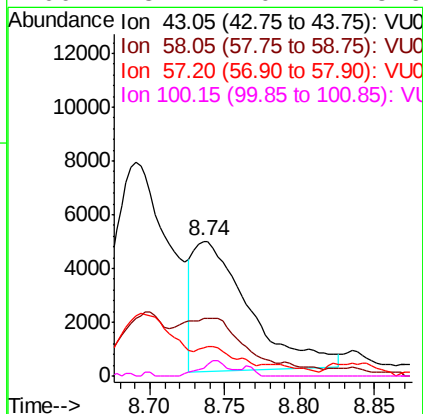
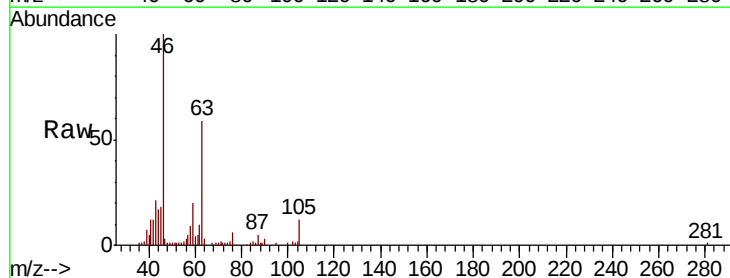
Ion Ratio Lower Upper

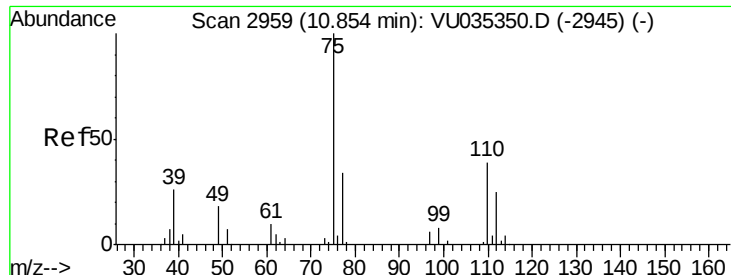
43 100

58 54.4 45.1 67.7

57 9.5 16.0 24.0#

100 5.4 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.769 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.99 min

Lab File: VU035361.D

Acq: 22 Oct 2019 13:38

Instrument :

MSVOA_U

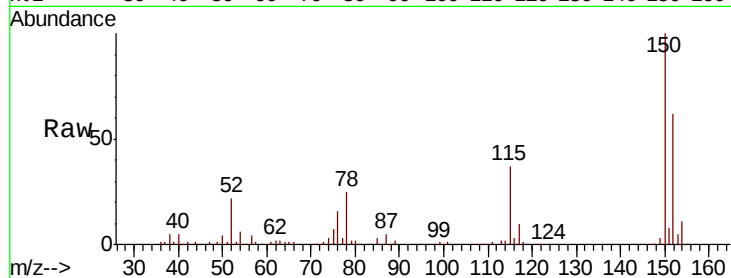
ClientSampleId :

Tot Ion: 75 Resp: 10613

Ion Ratio Lower Upper

75 100

77 35.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

