

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035363.D
 Acq On : 22 Oct 2019 14:23
 Operator : JC/SP
 Sample : K5461-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 06:53:35 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	6.29	114	284310	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	262139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	126343	7.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	145.80%#
7) Chloroethane-d5	1.93	69	103272	6.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.40%#
11) 1,1-Dichloroethene-d2	2.60	63	164461	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	4.71	46	304081	61.04	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.08%
24) Chloroform-d	5.11	84	165757	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.75	65	102214	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.77	84	377713	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.00%#
36) 1,2-Dichloropropane-d6	6.74	67	121417	6.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.60%
41) Toluene-d8	7.93	98	328349	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
43) trans-1,3-Dichloropropene-	8.22	79	24978	2.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.00%#
46) 2-Hexanone-d5	8.69	63	200773	49.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93022	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	93842	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	1269193	51.486	ug/L	99
12) 1,1-Dichloroethene	2.61	96	20832	1.141	ug/L #	1
13) Acetone	2.67	43	10336	2.983	ug/L	88
14) Carbon disulfide	2.82	76	7795	0.135	ug/L #	81
16) Methylene chloride	3.08	84	2925	0.133	ug/L	89
17) Methyl tert-butyl Ether	3.43	73	17320	0.352	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	513638	26.057	ug/L	94
19) 1,1-Dichloroethane	3.92	63	101697	2.853	ug/L	98
21) 2-Butanone	4.79	43	52826	9.353	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	16139349	740.765	ug/L	90
25) Chloroform	5.14	83	18165	0.464	ug/L	98
30) Cyclohexane	5.43	56	21249	0.646	ug/L	97
33) Benzene	5.82	78	110424	1.432	ug/L	100
34) Trichloroethene	6.58	95	5598935	270.009	ug/L	96
35) Methylcyclohexane	6.79	83	3185	0.092	ug/L #	62
42) Toluene	8.01	91	18539	0.218	ug/L	99
48) 2-Hexanone	8.69	43	19655	2.120	ug/L #	65

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 06:48:58 2019
Response via : Initial Calibration

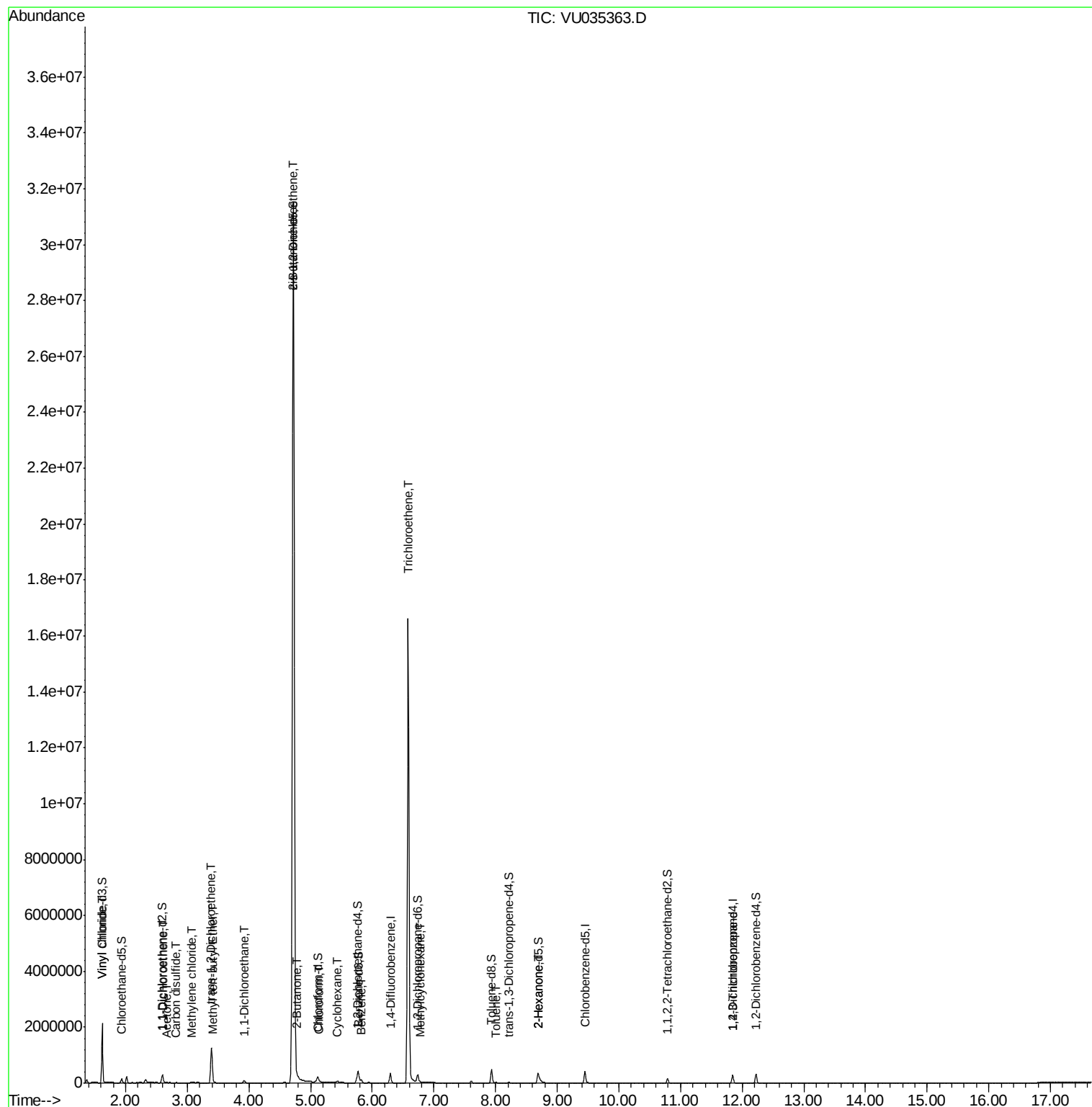
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.84	75	10968	0.804	ug/L	91

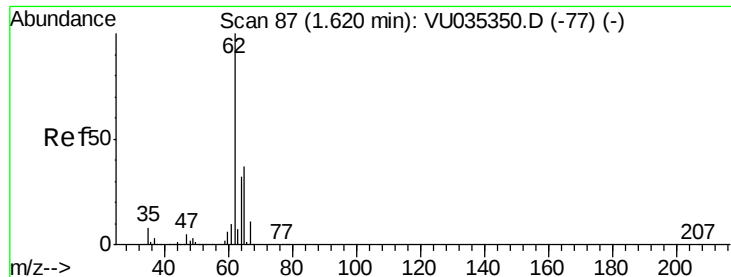
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 51.486 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

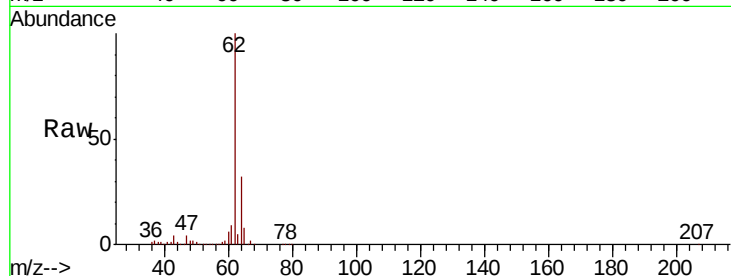
Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 1269193

Ion	Ratio	Lower	Upper
62	100		
64	32.3	22.9	42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035363.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035363.D (-1) (-)

1.62

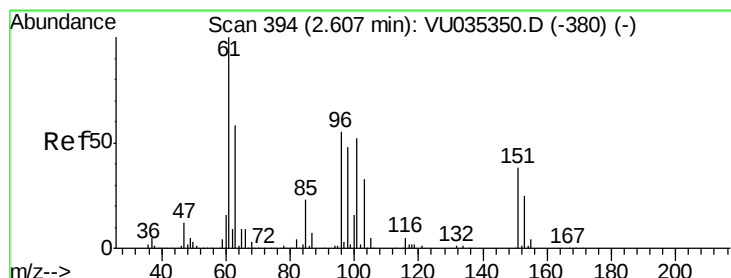
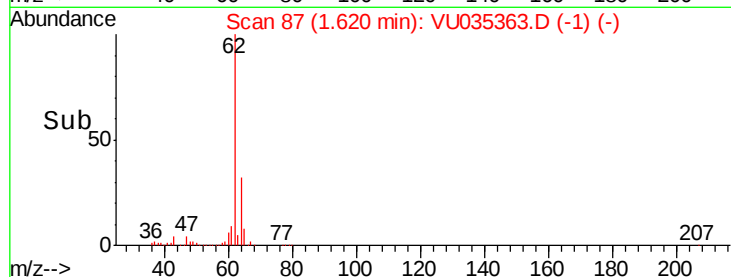
1000000

500000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#12

1,1-Dichloroethene

Concen: 1.141 ug/L

RT: 2.61 min Scan# 395

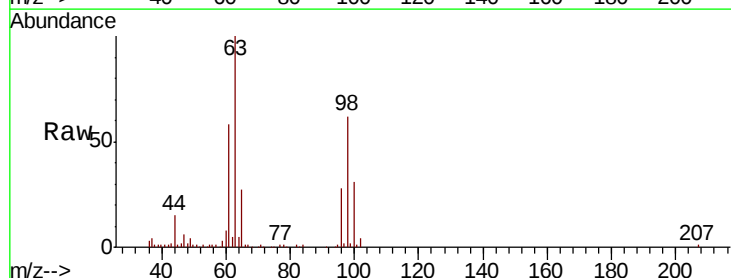
Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Tgt Ion: 96 Resp: 20832

Ion	Ratio	Lower	Upper
96	100		
61	210.9	120.6	224.0
63	362.3	86.8	161.2



Abundance Ion 96.00 (95.70 to 96.70): VU035363.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035363.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035363.D (-301) (-)

120000

100000

80000

60000

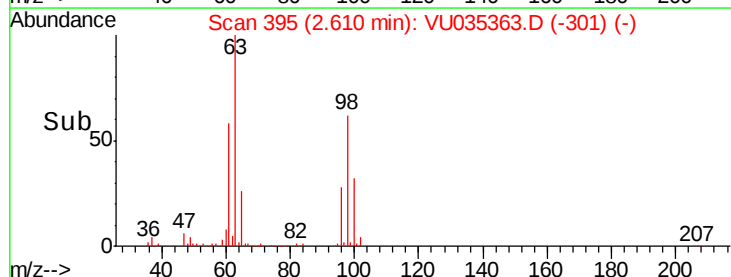
40000

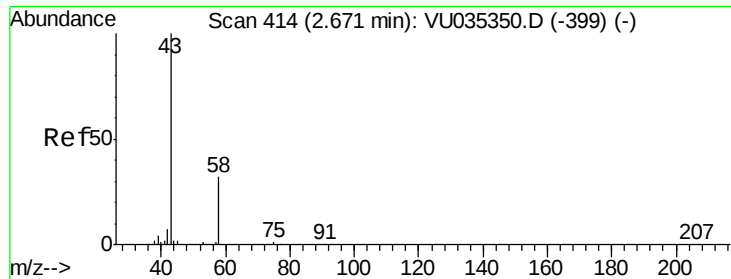
20000

0

Time-->

2.55 2.60 2.65





#13

Acetone

Concen: 2.983 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

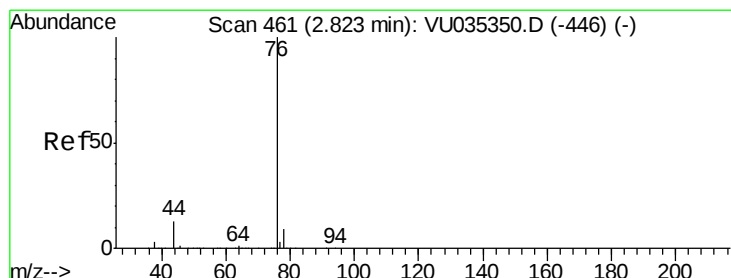
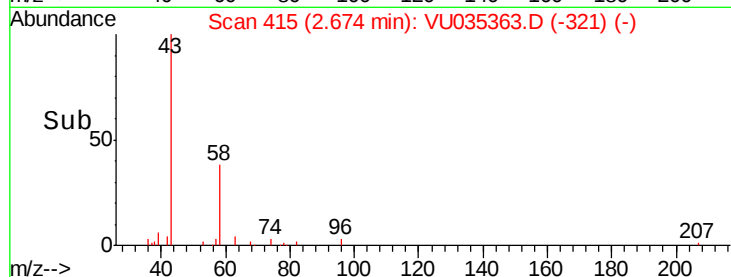
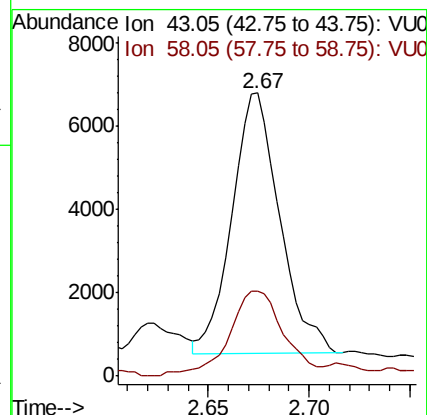
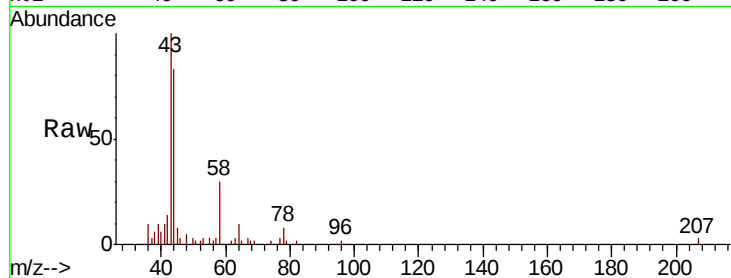
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10336

Ion Ratio Lower Upper

43 100

58 37.7 0.0 61.8



#14

Carbon disulfide

Concen: 0.135 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035363.D

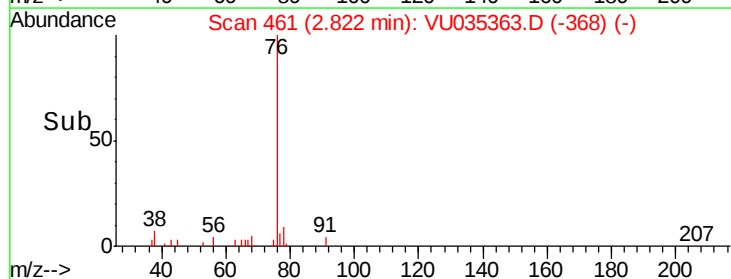
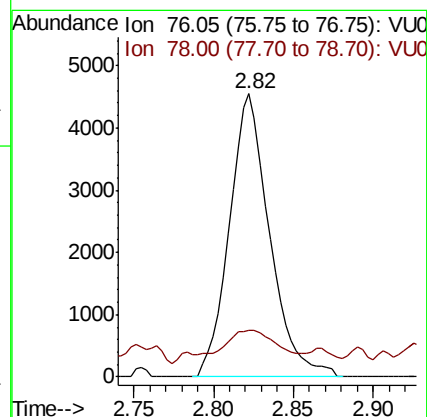
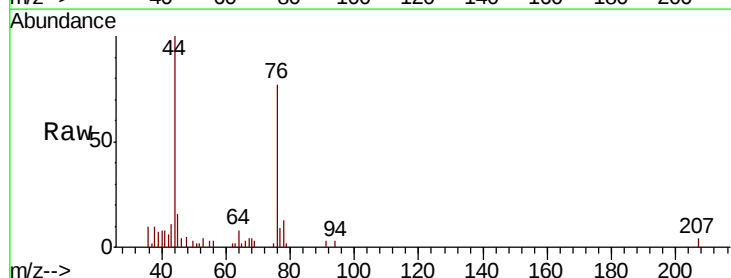
Acq: 22 Oct 2019 14:23

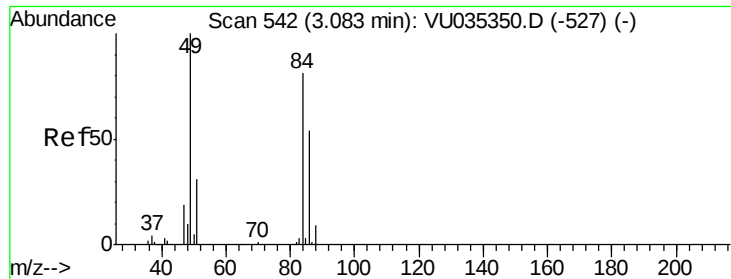
Tgt Ion: 76 Resp: 7795

Ion Ratio Lower Upper

76 100

78 16.4 7.6 11.4#

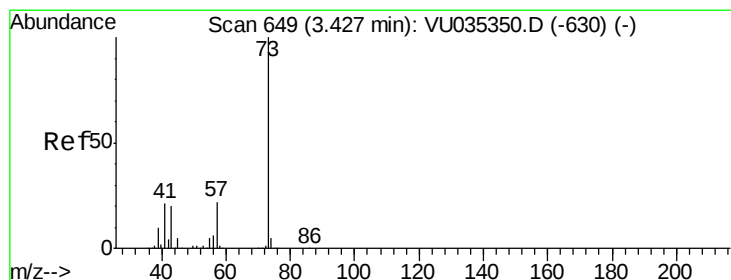
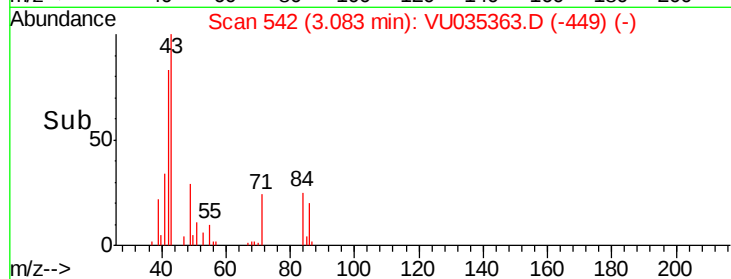
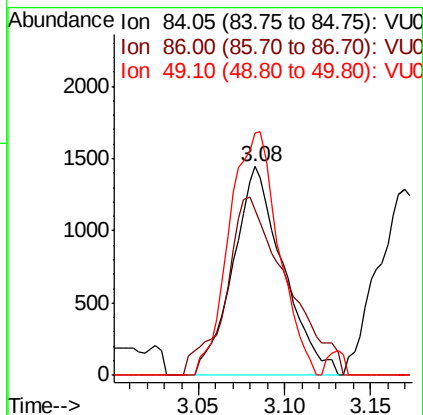
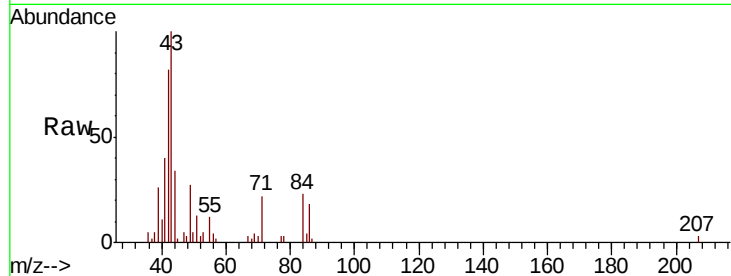




#16
Methylene chloride
Concen: 0.133 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

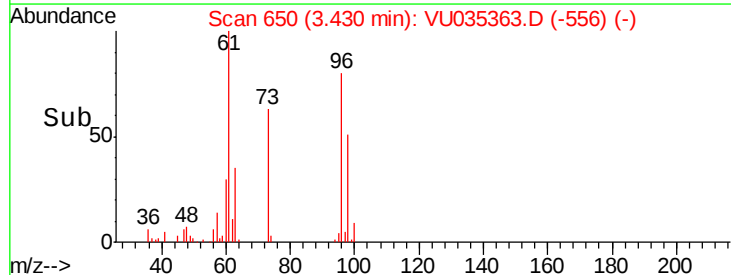
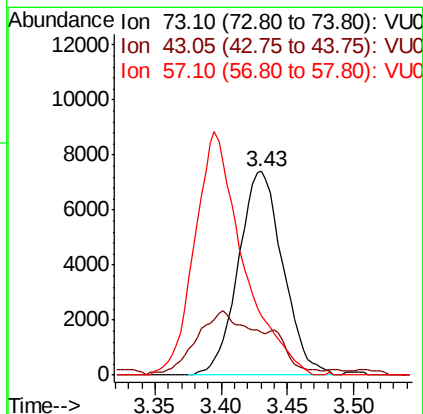
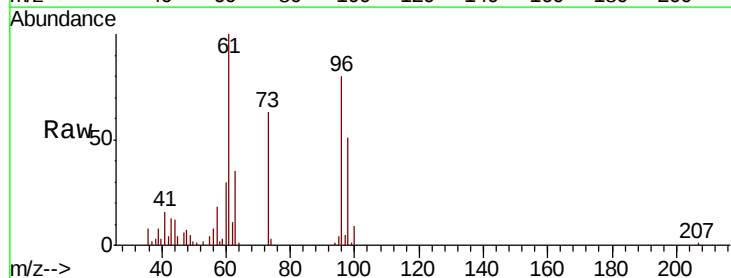
Instrument :
MSVOA_U
ClientSampleId :

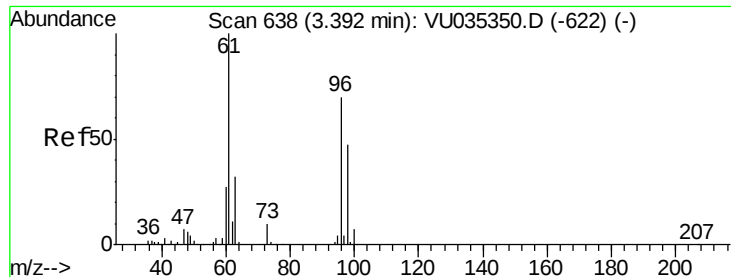
Tot Ion: 84 Resp: 2925
Ion Ratio Lower Upper
84 100
86 79.5 45.4 84.2
49 116.0 86.8 161.2



#17
Methyl tert-butyl Ether
Concen: 0.352 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Tgt Ion: 73 Resp: 17320
Ion Ratio Lower Upper
73 100
43 39.6 16.0 24.0#
57 129.6 17.4 26.2#





#18

trans-1,2-Dichloroethene

Concen: 26.057 ug/L

RT: 3.39 min Scan# 639

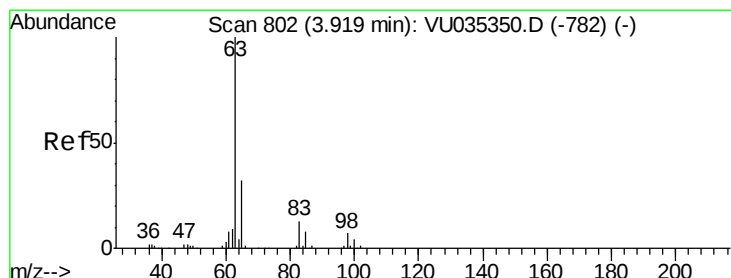
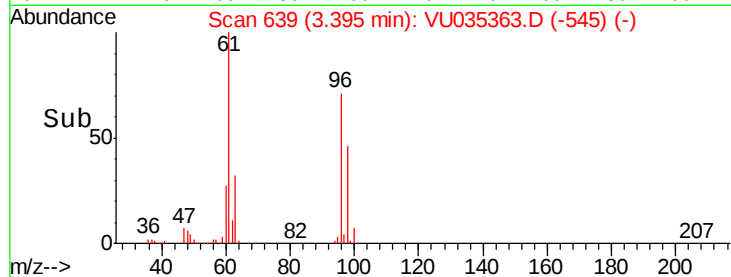
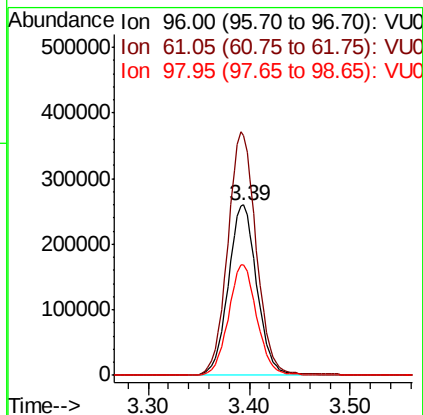
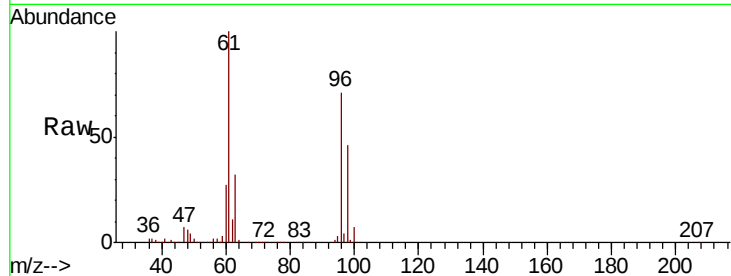
Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	513638
Ion	Ratio	Lower	Upper
96	100		
61	141.0	93.0	172.6
98	65.2	43.7	81.1



#19

1,1-Dichloroethane

Concen: 2.853 ug/L

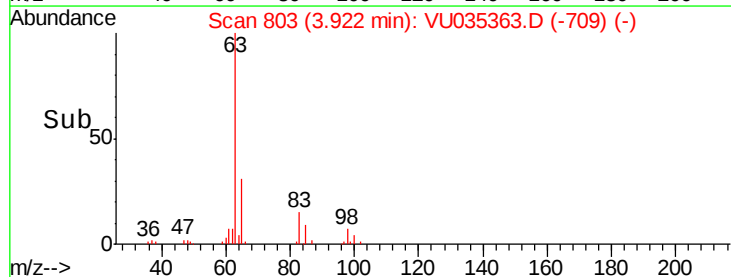
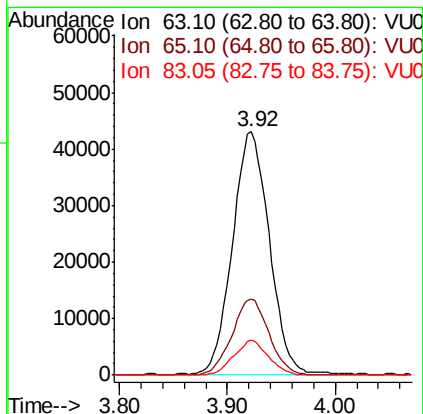
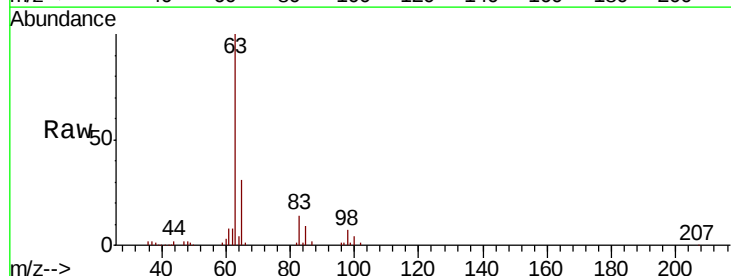
RT: 3.92 min Scan# 803

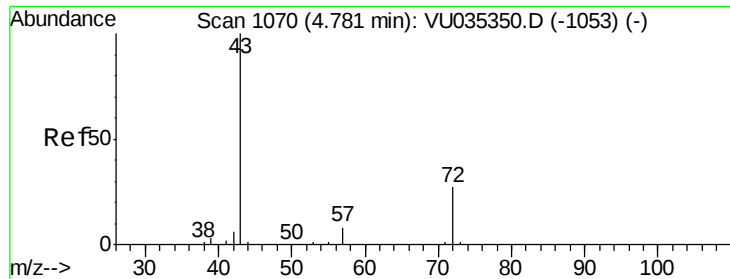
Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Tgt Ion:	63	Resp:	101697
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.4	41.6
83	14.5	9.3	17.3





#21

2-Butanone

Concen: 9.353 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

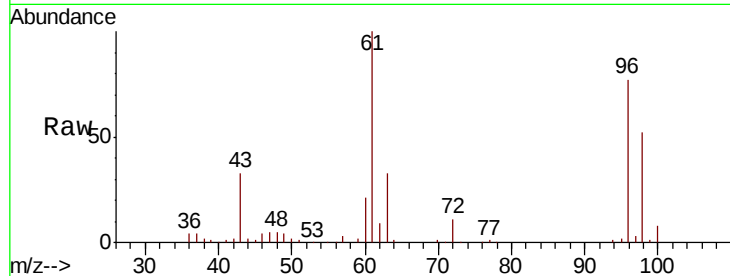
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 52826

Ion Ratio Lower Upper

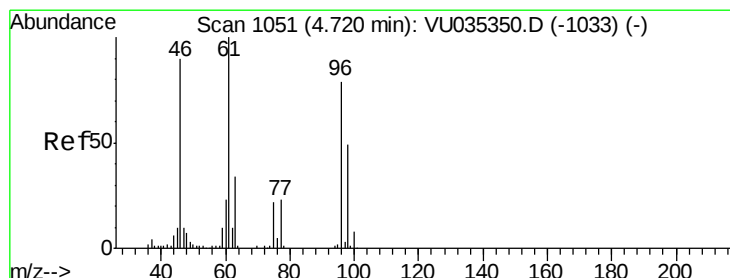
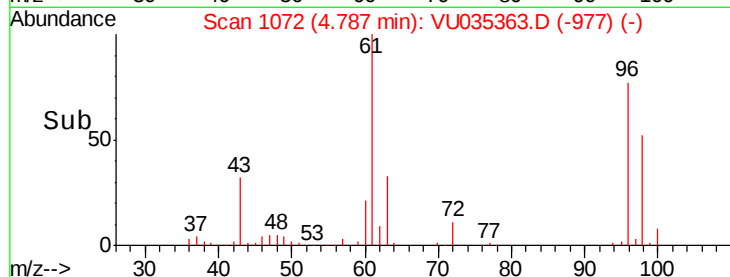
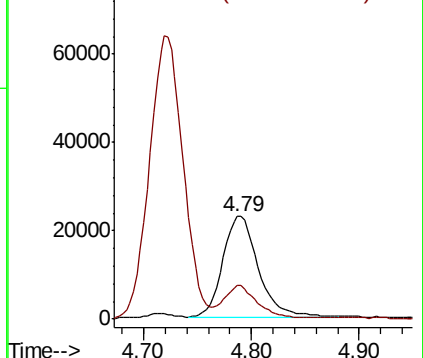
43 100

72 28.3 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU035363.D (-977) (-)

Ion 72.10 (71.80 to 72.80): VU035363.D (-977) (-)



#22

cis-1,2-Dichloroethene

Concen: 740.765 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

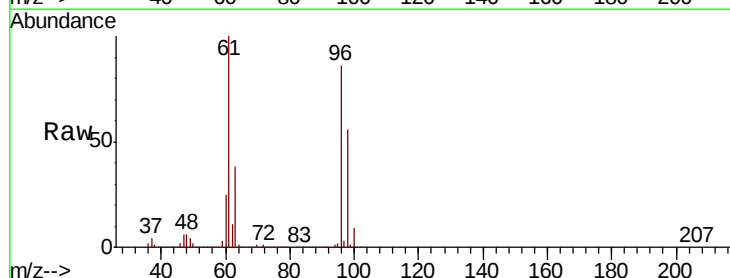
Tgt Ion: 96 Resp: 16139349

Ion Ratio Lower Upper

96 100

61 116.8 89.7 166.5

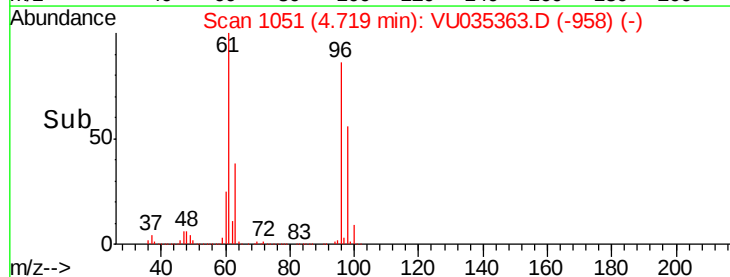
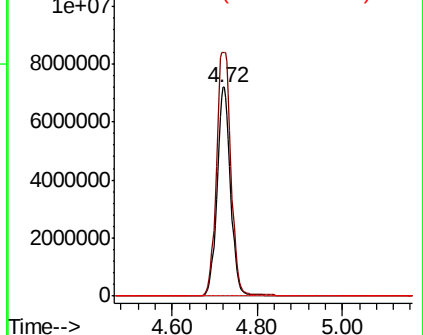
68 0.0 0.0 0.0

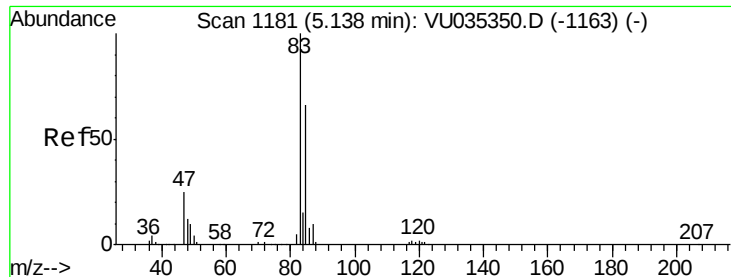


Abundance Ion 96.00 (95.70 to 96.70): VU035363.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035363.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035363.D (-958) (-)





#25

Chloroform

Concen: 0.464 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :

MSVOA_U

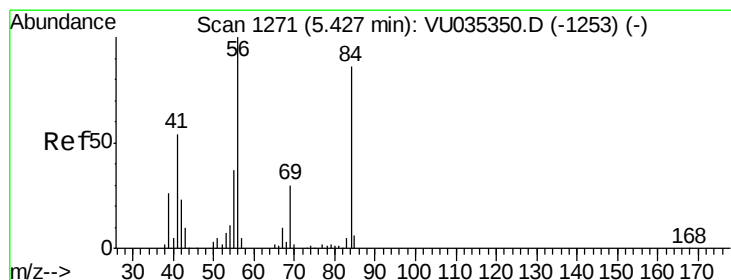
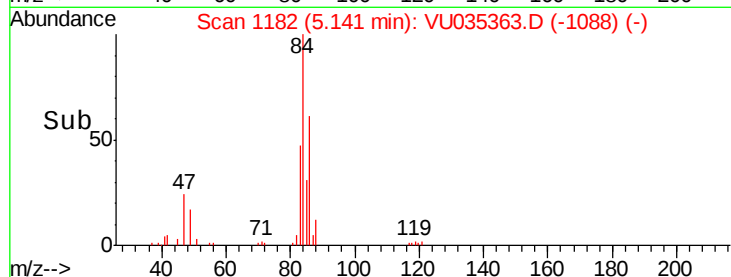
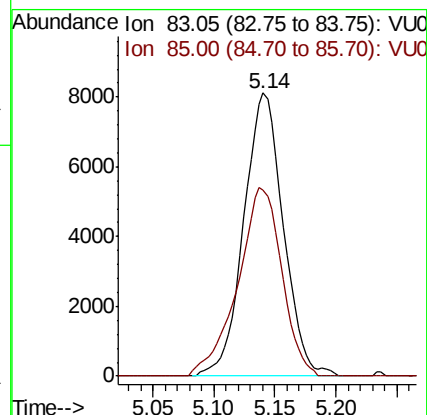
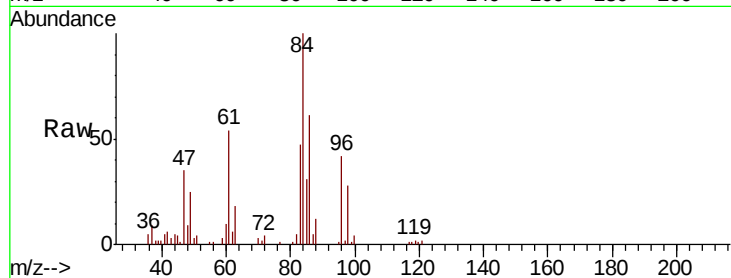
ClientSampleId :

Tot Ion: 83 Resp: 18165

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.9



#30

Cyclohexane

Concen: 0.646 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

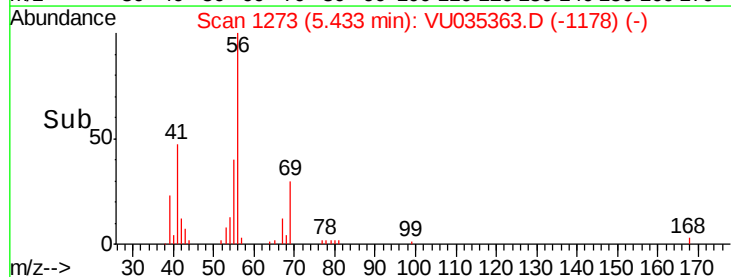
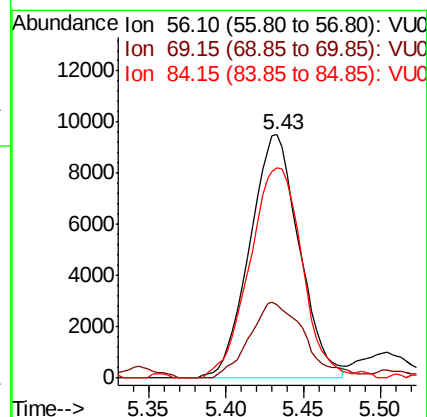
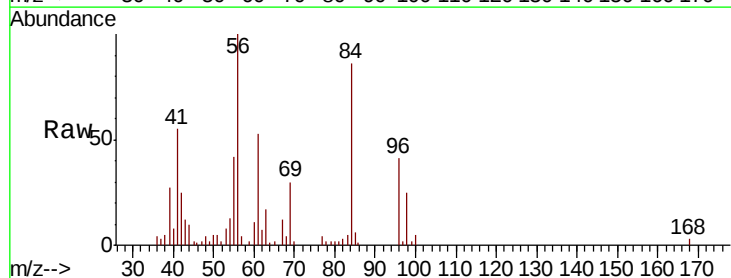
Tgt Ion: 56 Resp: 21249

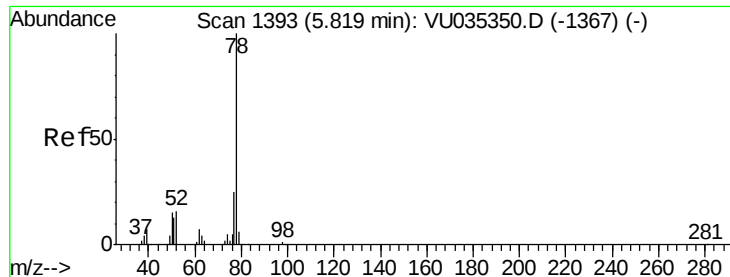
Ion Ratio Lower Upper

56 100

69 35.0 24.6 36.8

84 91.1 71.5 107.3





#33

Benzene

Concen: 1.432 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035363.D

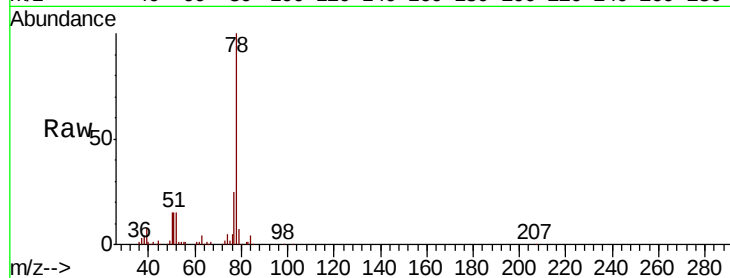
Acq: 22 Oct 2019 14:23

Instrument :

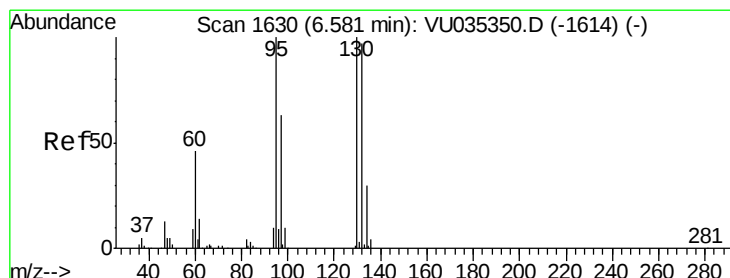
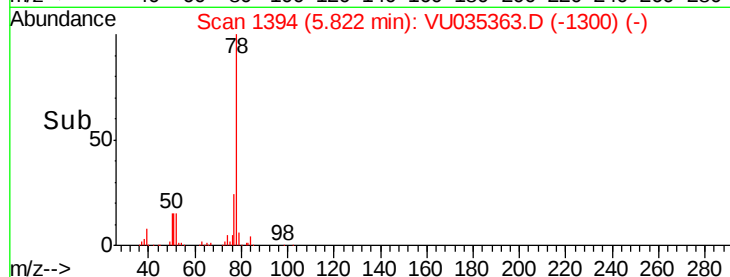
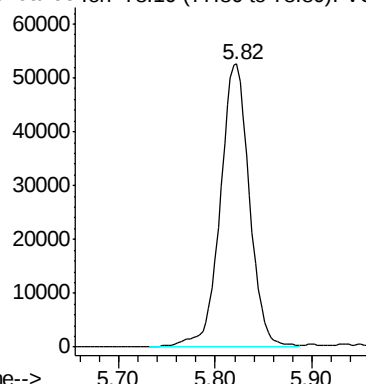
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 110424



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 270.009 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Tgt Ion: 95 Resp: 5598935

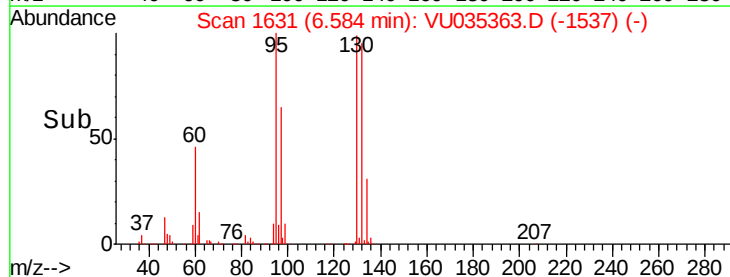
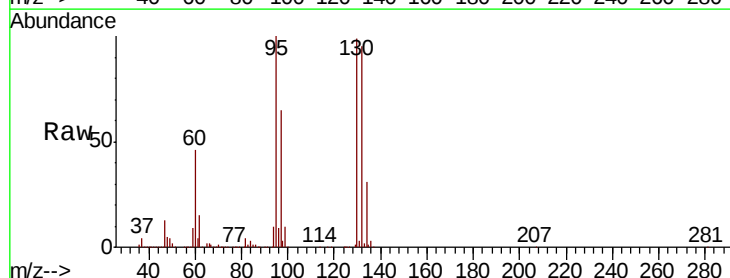
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.6	86.6
132	95.1	68.7	127.7
130	99.2	73.9	137.3

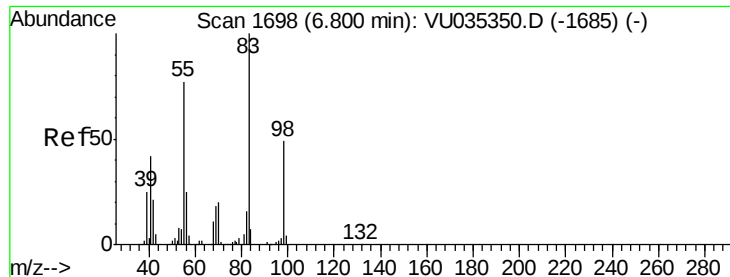
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

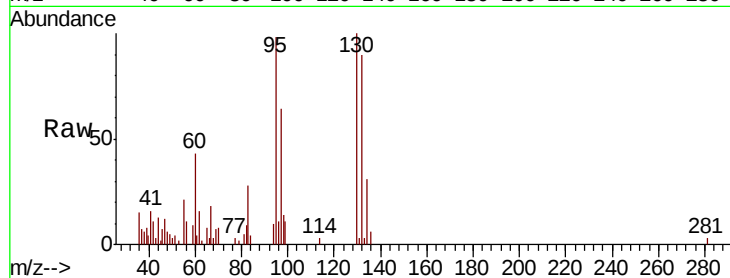




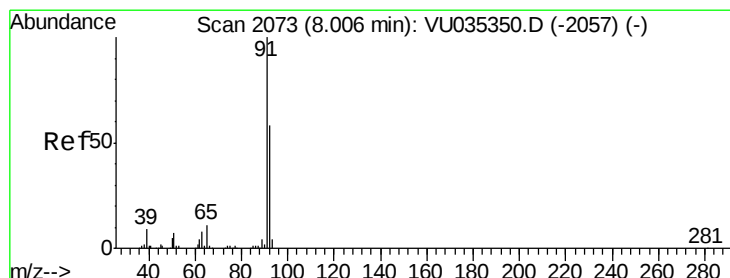
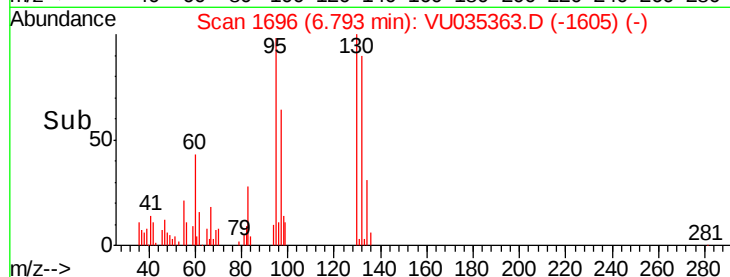
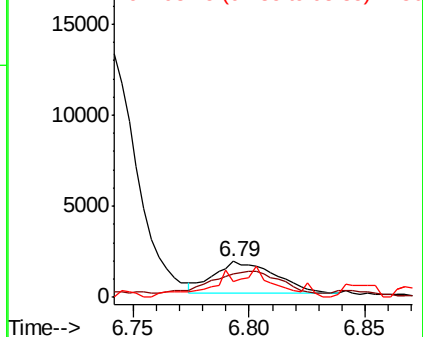
#35
Methvlcvclohexane
Concen: 0.092 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.01 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3185
Ion Ratio Lower Upper
83 100
55 88.9 60.4 90.6
98 0.0 39.5 59.3#

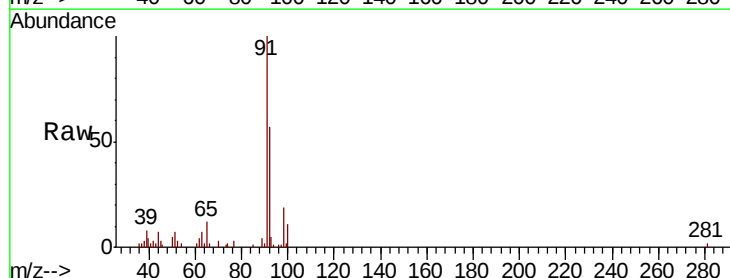


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

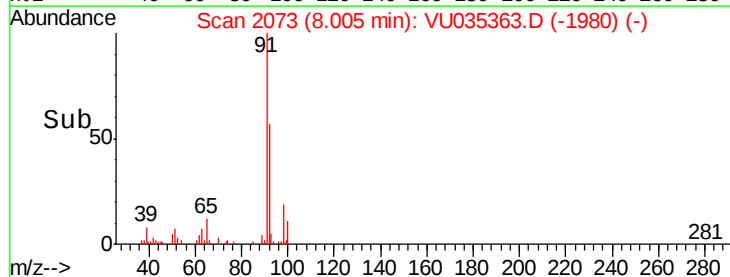
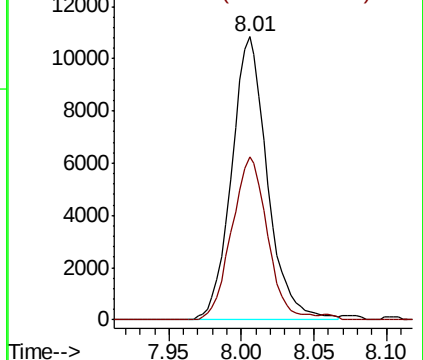


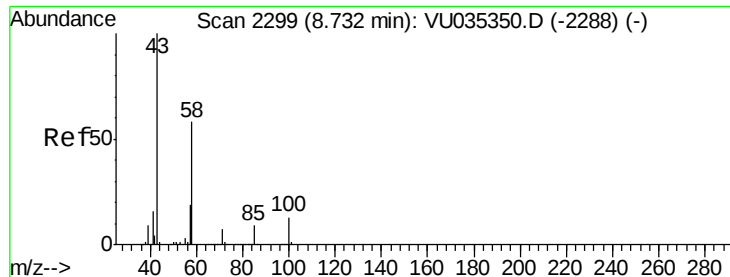
#42
Toluene
Concen: 0.218 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Tgt Ion: 91 Resp: 18539
Ion Ratio Lower Upper
91 100
92 57.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0

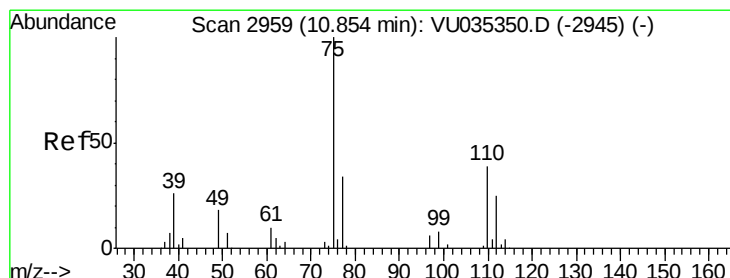
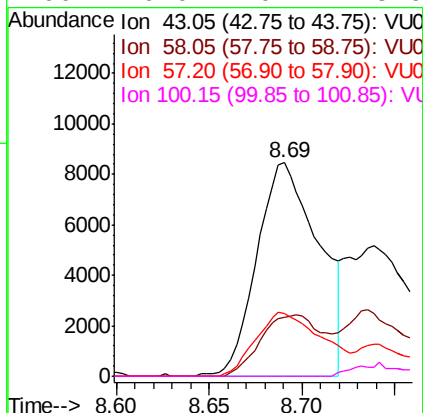
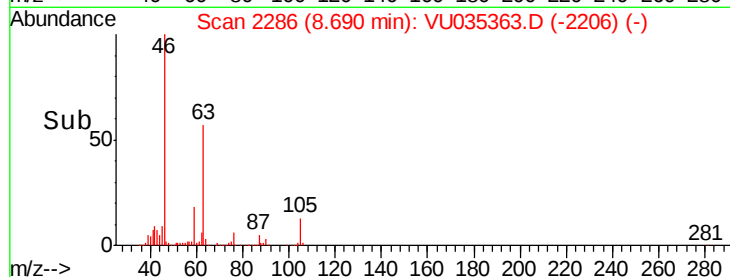
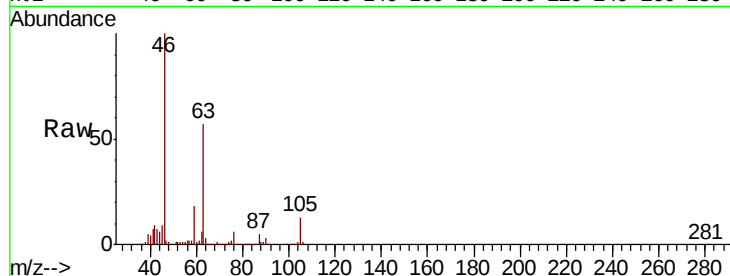




#48
2-Hexanone
Concen: 2.120 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.04 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 19655
Ion Ratio Lower Upper
43 100
58 28.6 45.1 67.7#
57 32.3 16.0 24.0#
100 0.0 10.4 15.6#



#59
1,2,3-Trichloropropane
Concen: 0.804 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Tgt Ion: 75 Resp: 10968
Ion Ratio Lower Upper
75 100
77 38.0 26.2 39.2

