

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035384.D
 Acq On : 22 Oct 2019 23:46
 Operator : JC/SP
 Sample : K5461-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:07:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	232512	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	238535	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83571	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	108049	7.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	152.40%#
7) Chloroethane-d5	1.93	69	98071	7.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	151.40%#
11) 1,1-Dichloroethene-d2	2.60	63	144664	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.40%
20) 2-Butanone-d5	4.71	46	251408	61.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.42%
24) Chloroform-d	5.11	84	169037	6.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	130.60%#
26) 1,2-Dichloroethane-d4	5.75	65	95873	6.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	133.60%#
32) Benzene-d6	5.77	84	360489	6.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	132.20%#
36) 1,2-Dichloropropane-d6	6.74	67	118425	6.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	136.80%
41) Toluene-d8	7.93	98	314911	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
43) trans-1,3-Dichloropropene-	8.22	79	40324	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.69	63	185761	50.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94593	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.60%#
64) 1,2-Dichlorobenzene-d4	12.22	152	96586	6.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.00%#

Target Compounds

				Ovalue
5) Vinyl chloride	1.62	62	13180	0.654 ug/L # 55
12) 1,1-Dichloroethene	2.60	96	1356	0.091 ug/L # 1
16) Methylene chloride	3.09	84	2481	0.138 ug/L # 90
17) Methyl tert-butyl Ether	3.43	73	17755	0.442 ug/L # 90
18) trans-1,2-Dichloroethene	3.39	96	2561	0.159 ug/L # 99
22) cis-1,2-Dichloroethene	4.72	96	33627	1.887 ug/L # 96
25) Chloroform	5.14	83	14484	0.453 ug/L # 96
30) Cyclohexane	5.50	56	3262	0.109 ug/L # 19
33) Benzene	5.82	78	10756	0.153 ug/L # 100
34) Trichloroethene	6.58	95	2479	0.131 ug/L # 85
35) Methylcyclohexane	6.74	83	27362	0.868 ug/L # 19
37) 1,2-Dichloropropane	6.74	63	13257	0.744 ug/L # 86
39) cis-1,3-Dichloropropene	7.60	75	2704	0.091 ug/L # 46
48) 2-Hexanone	8.74	43	9256	1.097 ug/L # 84
59) 1,2,3-Trichloropropane	11.84	75	10459	0.843 ug/L # 86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

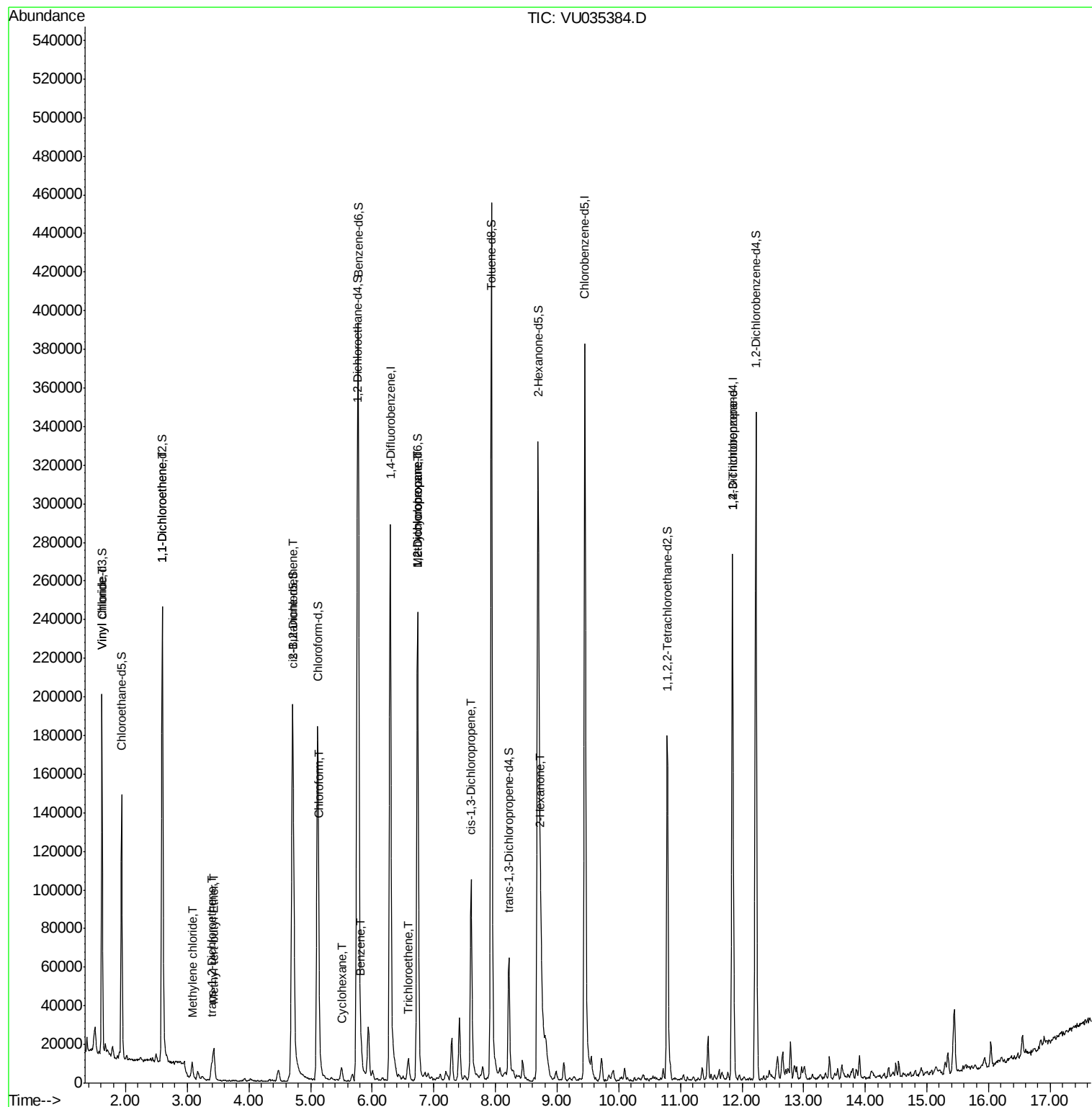
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

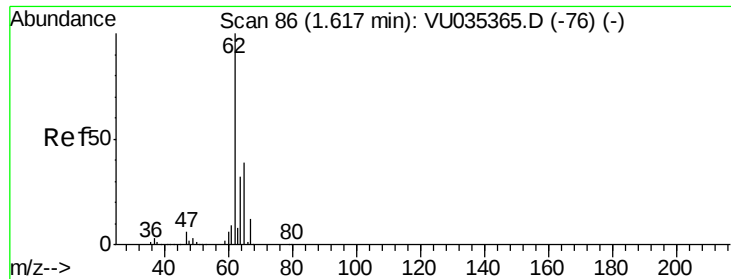
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.654 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

Instrument :

MSVOA_U

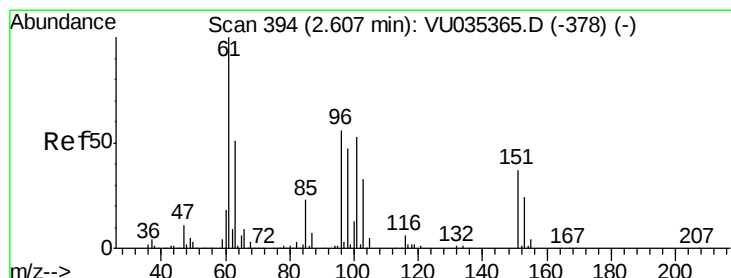
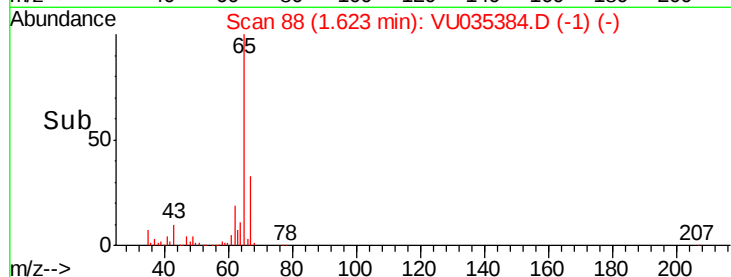
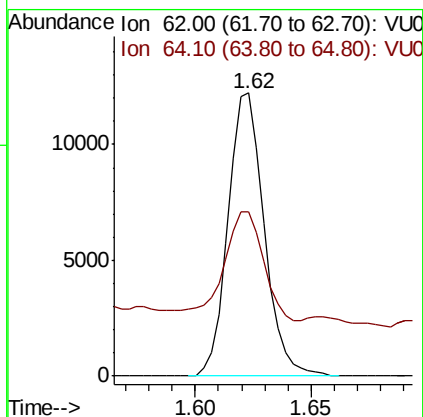
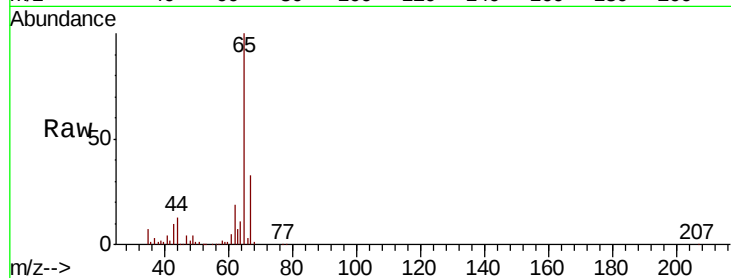
ClientSampleId :

Tot Ion: 62 Resp: 13180

Ion Ratio Lower Upper

62 100

64 57.9 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

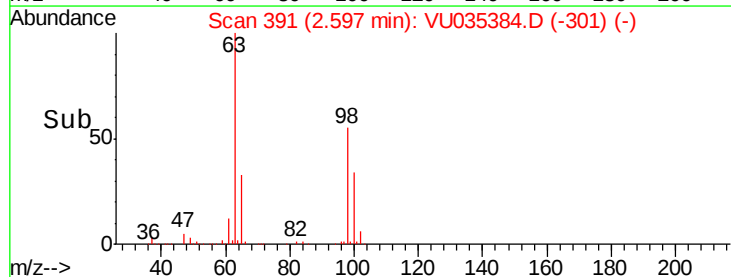
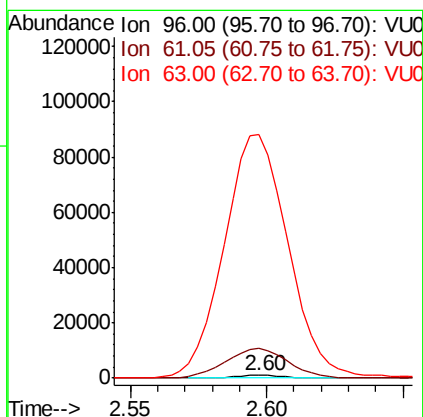
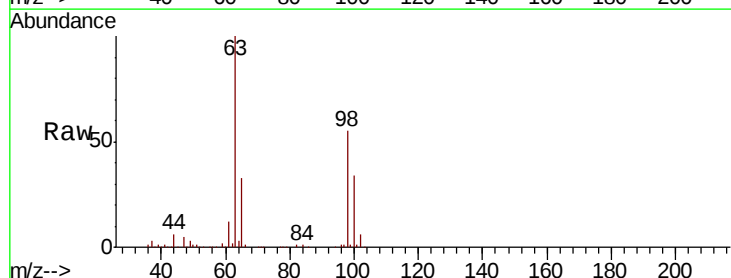
Tgt Ion: 96 Resp: 1356

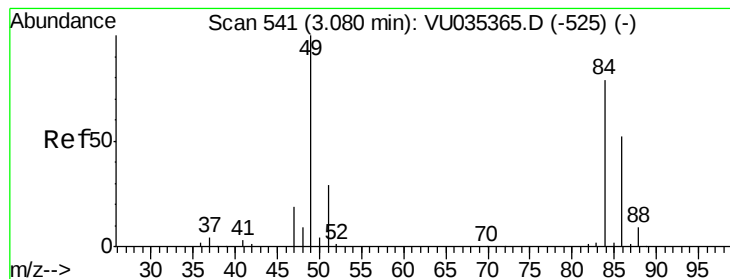
Ion Ratio Lower Upper

96 100

61 1082.6 120.6 224.0#

63 8910.8 86.8 161.2#





#16

Methylene chloride

Concen: 0.138 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

Instrument :

MSVOA_U

ClientSampleId :

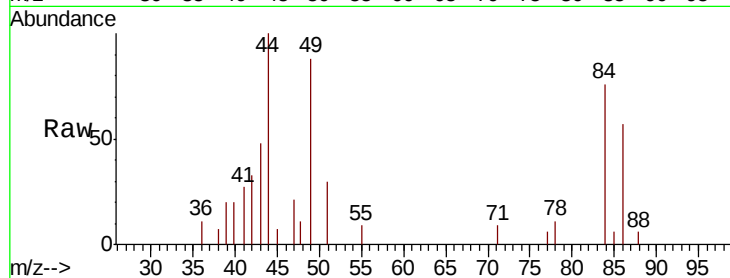
Tot Ion: 84 Resp: 2481

Ion Ratio Lower Upper

84 100

86 75.7 45.4 84.2

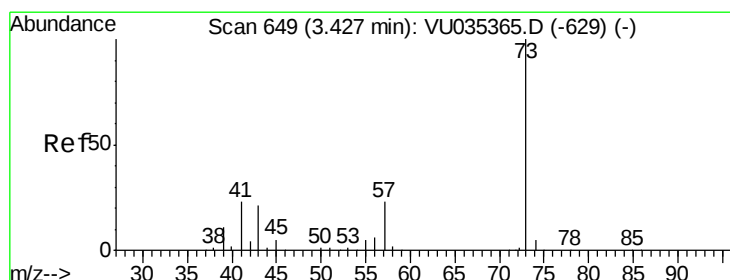
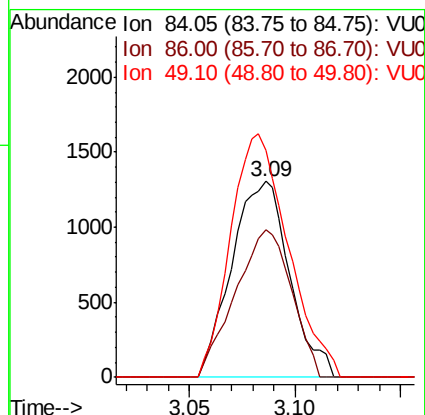
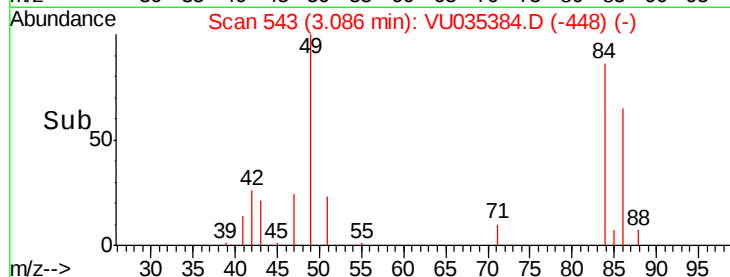
49 115.7 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.442 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

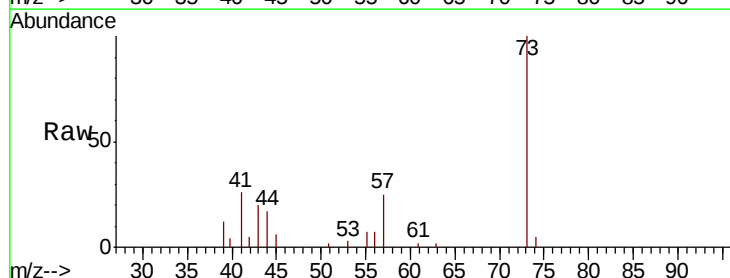
Tgt Ion: 73 Resp: 17755

Ion Ratio Lower Upper

73 100

43 23.7 16.0 24.0

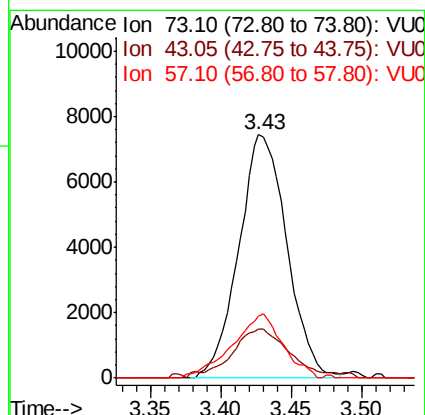
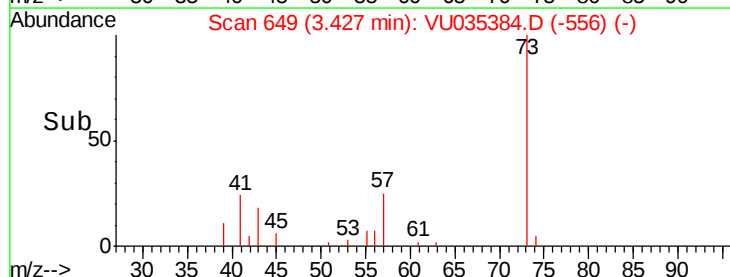
57 27.5 17.4 26.2#

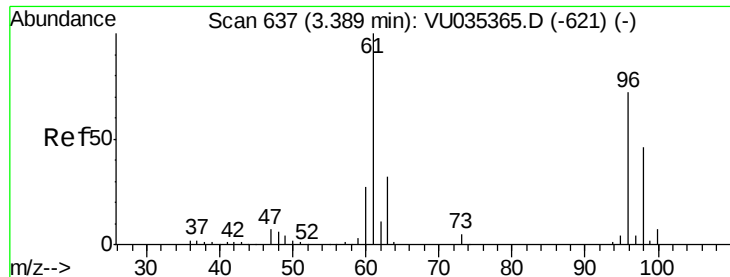


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

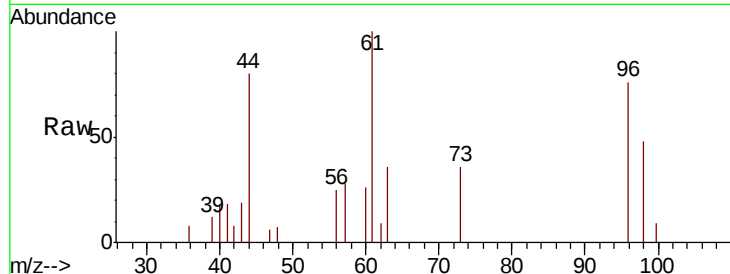




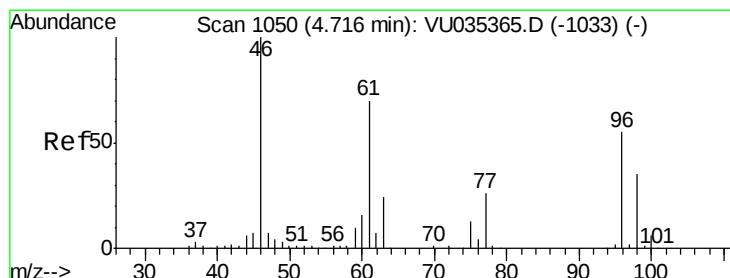
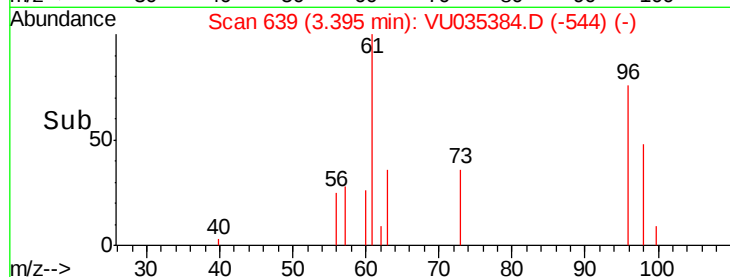
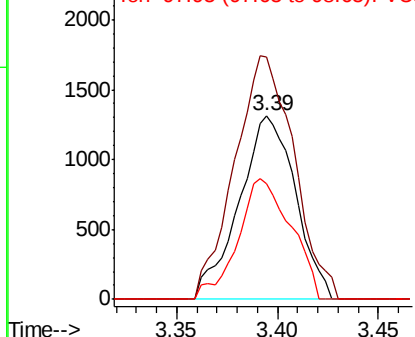
#18
trans-1,2-Dichloroethene
Concen: 0.159 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 2561
Ion Ratio Lower Upper
96 100
61 131.9 93.0 172.6
98 62.9 43.7 81.1

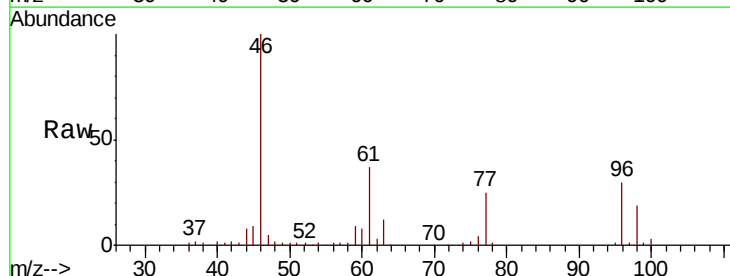


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

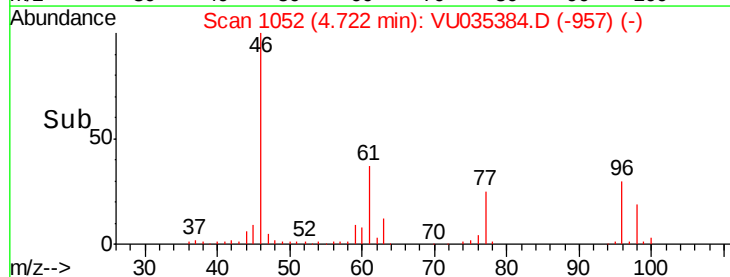
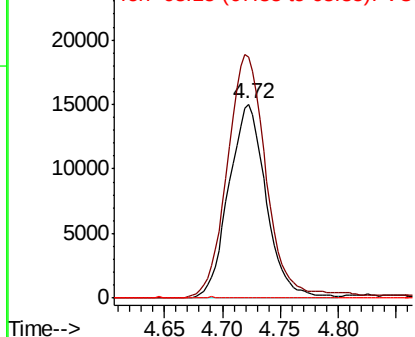


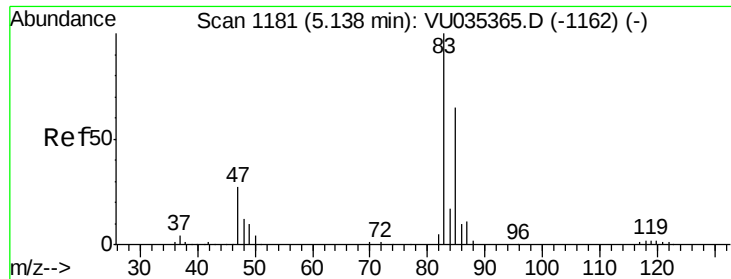
#22
cis-1,2-Dichloroethene
Concen: 1.887 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

Tgt Ion: 96 Resp: 33627
Ion Ratio Lower Upper
96 100
61 123.9 89.7 166.5
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

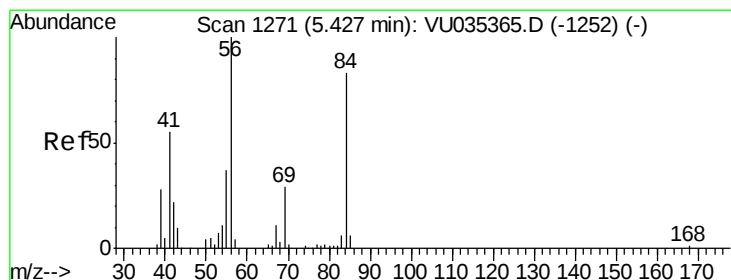
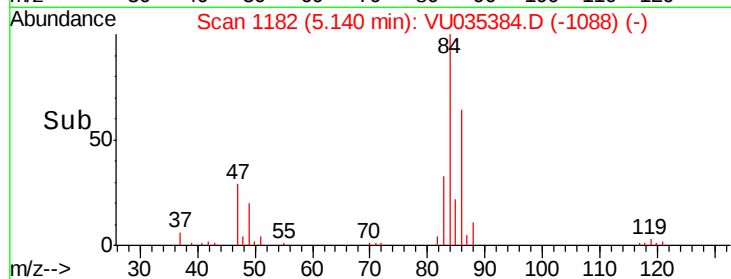
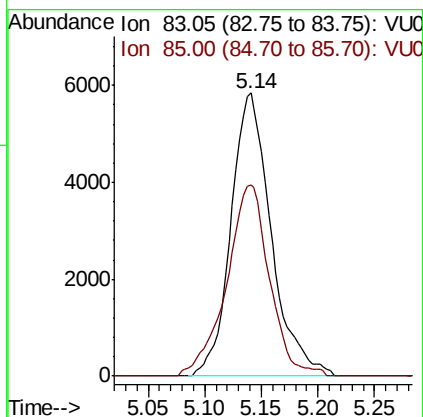
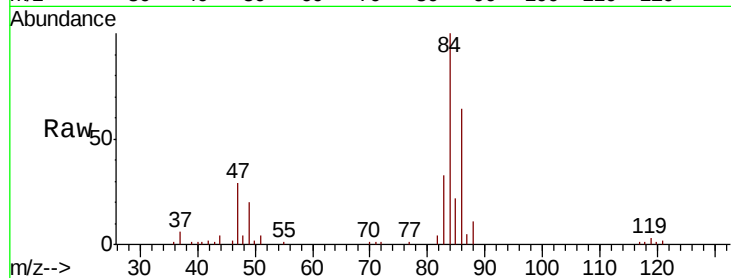




#25
Chloroform
Concen: 0.453 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

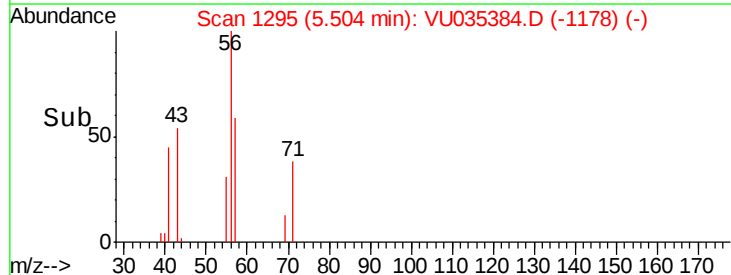
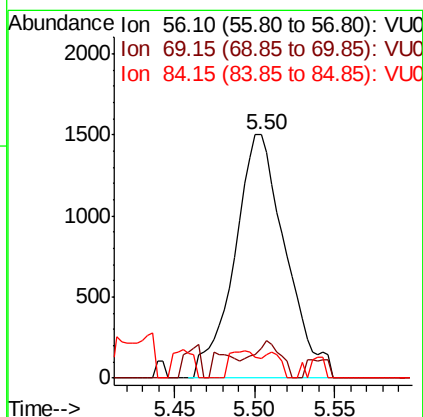
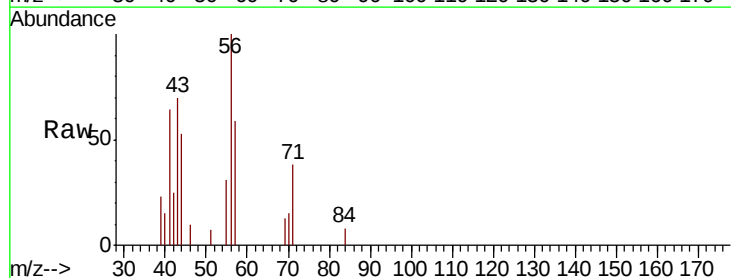
Instrument :
MSVOA_U
ClientSampleId :

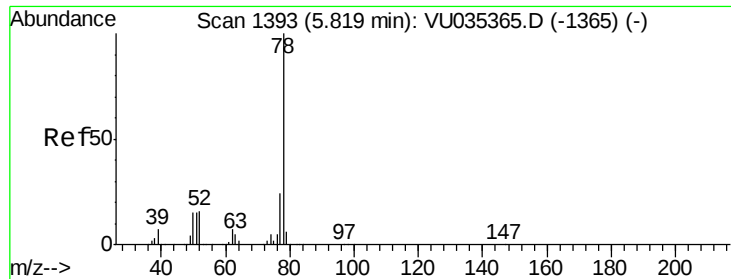
Tot Ion: 83 Resp: 14484
Ion Ratio Lower Upper
83 100
85 67.6 45.1 83.9



#30
Cyclohexane
Concen: 0.109 ug/L
RT: 5.50 min Scan# 1295
Delta R.T. 0.08 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

Tgt Ion: 56 Resp: 3262
Ion Ratio Lower Upper
56 100
69 8.4 24.6 36.8#
84 0.0 71.5 107.3#





#33

Benzene

Concen: 0.153 ug/L

RT: 5.82 min Scan# 1393

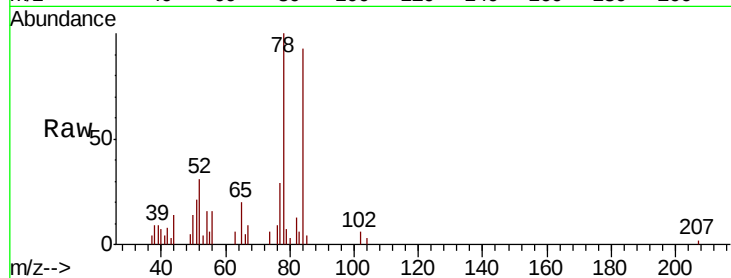
Delta R.T. -0.00 min

Lab File: VU035384.D

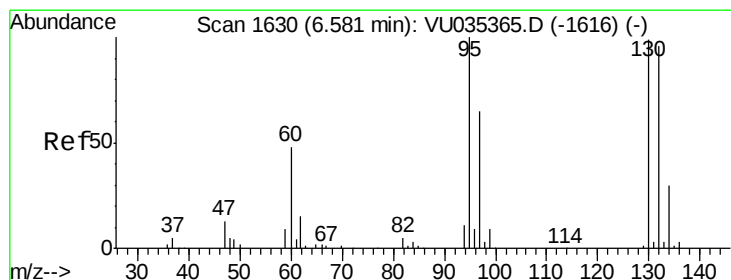
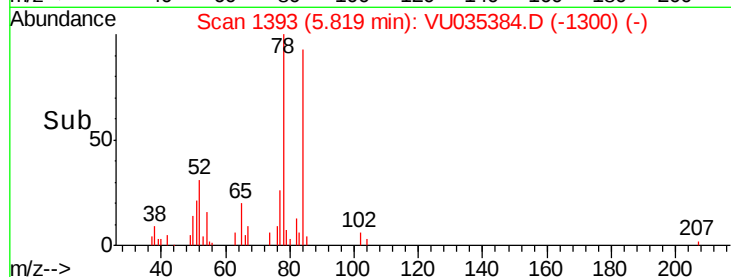
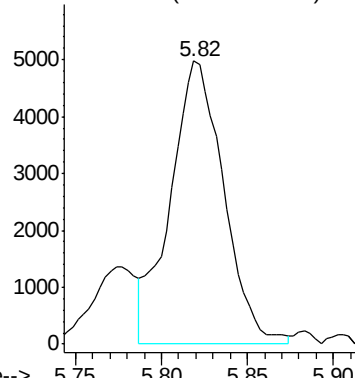
Acq: 22 Oct 2019 23:46

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 10756



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.131 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

Tgt Ion: 95 Resp: 2479

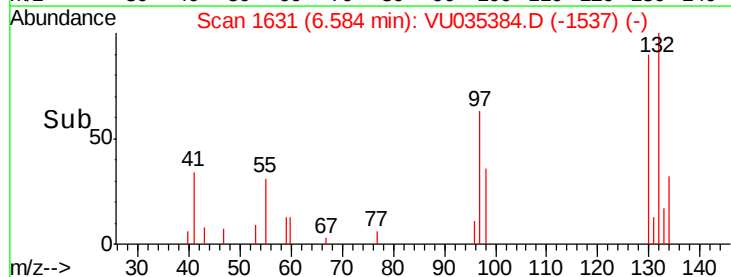
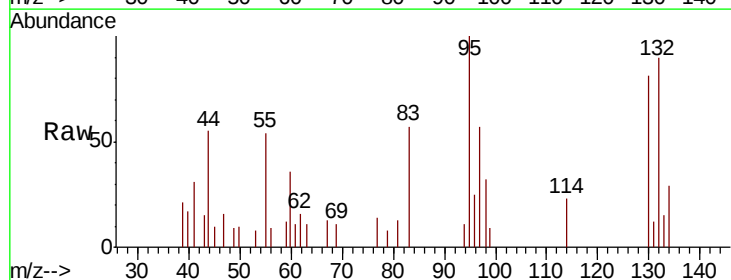
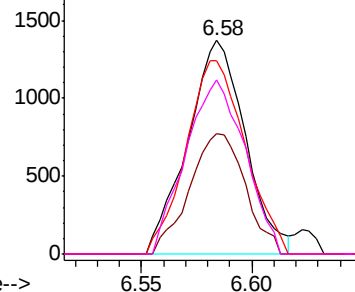
Ion	Ratio	Lower	Upper
95	100		
97	56.6	46.6	86.6
132	90.2	68.7	127.7
130	81.4	73.9	137.3

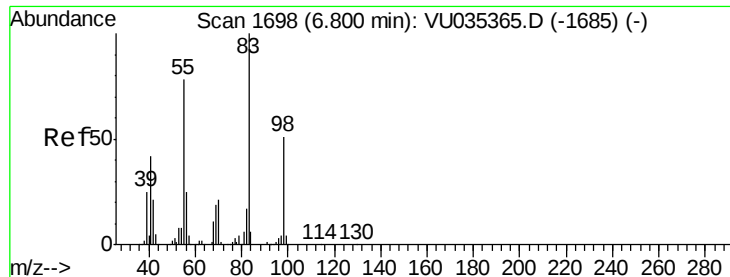
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

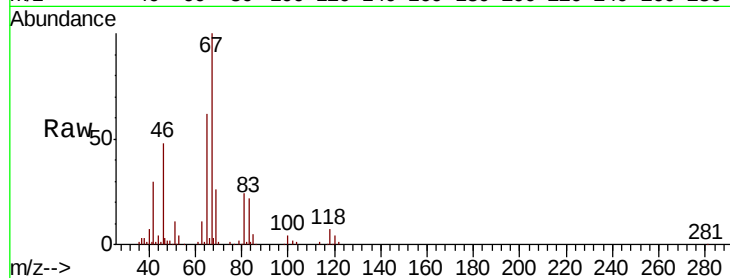




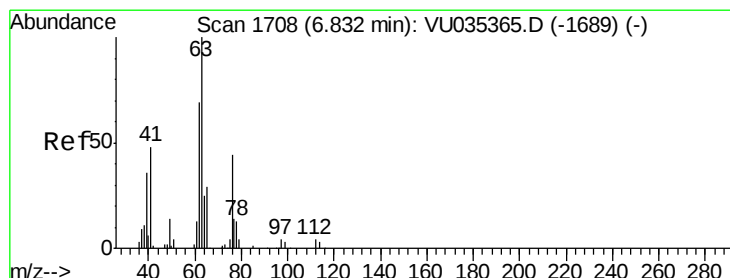
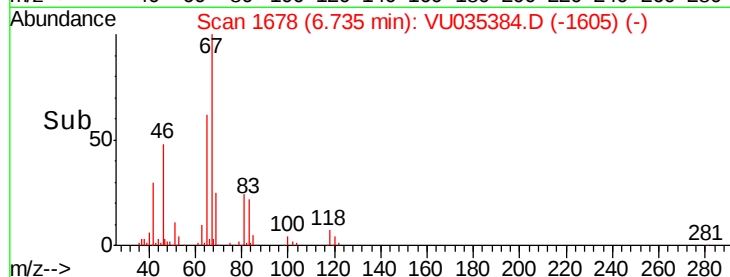
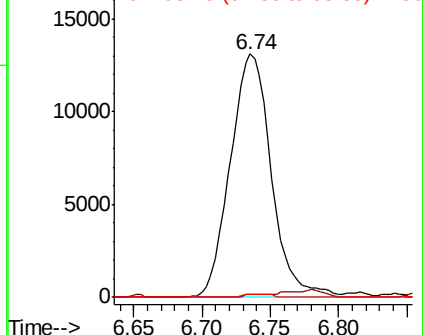
#35
Methvlcvclohexane
Concen: 0.868 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27362
Ion Ratio Lower Upper
83 100
55 0.4 60.4 90.6#
98 0.5 39.5 59.3#

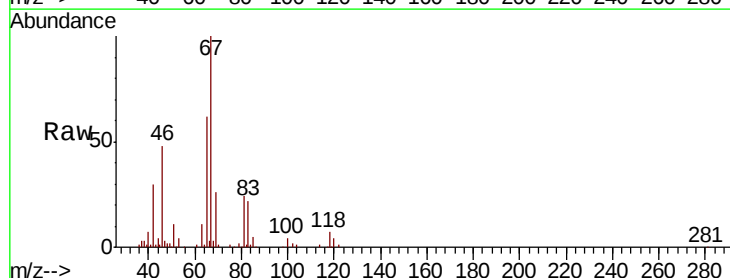


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

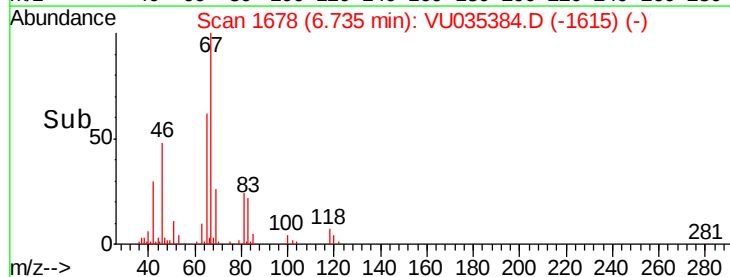
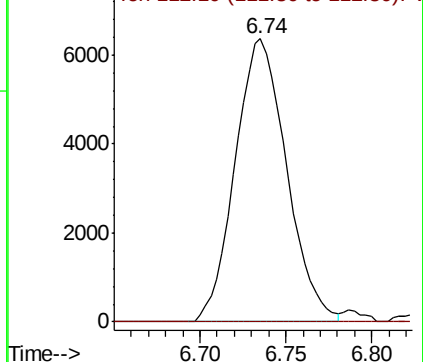


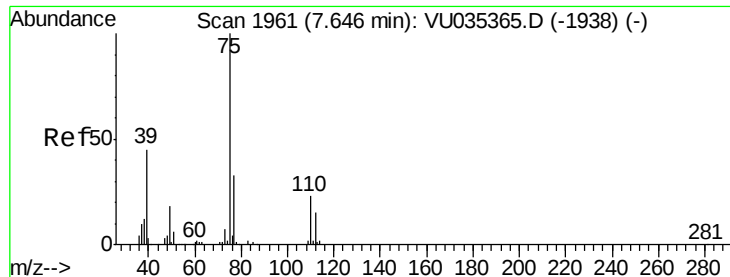
#37
1,2-Dichloropropane
Concen: 0.744 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035384.D
Acq: 22 Oct 2019 23:46

Tgt Ion: 63 Resp: 13257
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



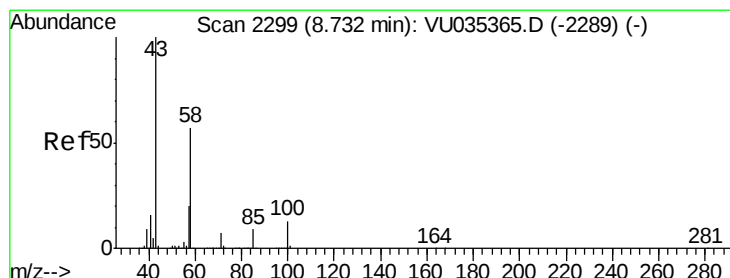
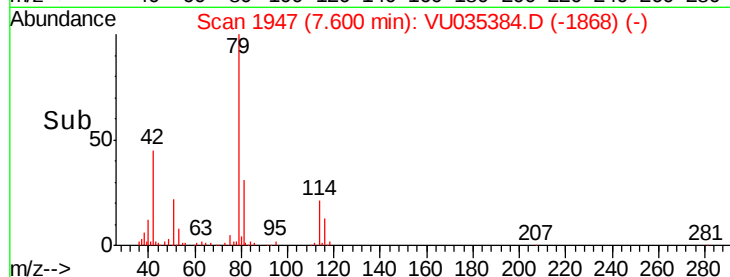
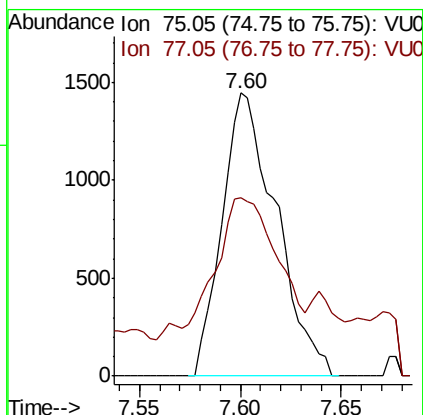
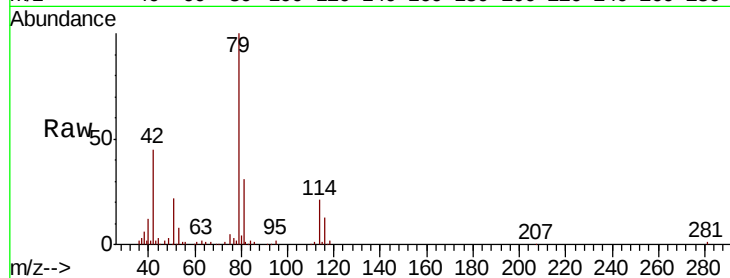


#39

cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.05 min
 Lab File: VU035384.D
 Acq: 22 Oct 2019 23:46

Instrument :
 MSVOA_U
 ClientSampleId :

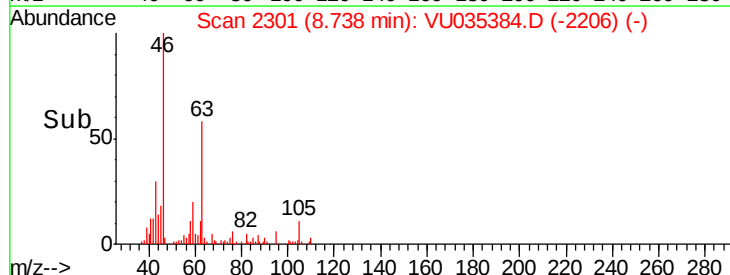
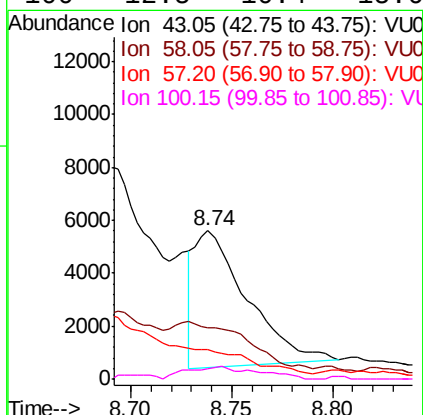
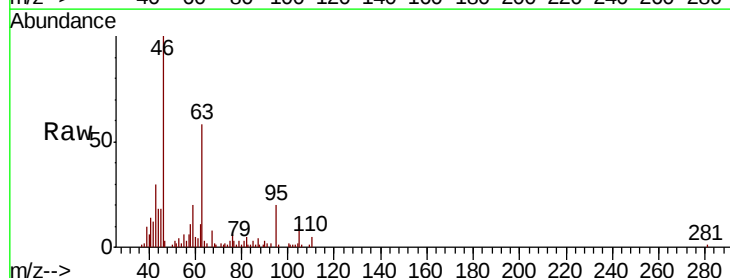
Tot Ion: 75 Resp: 2704
 Ion Ratio Lower Upper
 75 100
 77 62.9 22.7 42.1#

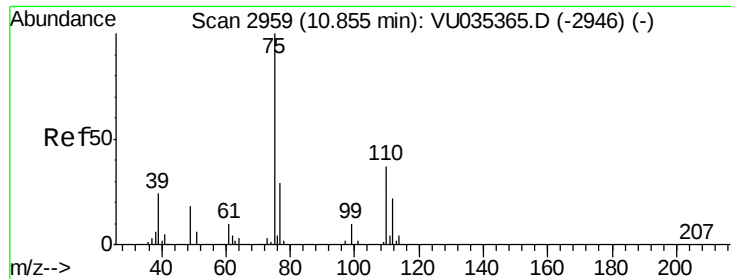


#48

2-Hexanone
 Concen: 1.097 ug/L
 RT: 8.74 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VU035384.D
 Acq: 22 Oct 2019 23:46

Tgt Ion: 43 Resp: 9256
 Ion Ratio Lower Upper
 43 100
 58 49.0 45.1 67.7
 57 0.0 16.0 24.0#
 100 12.5 10.4 15.6





#59

1,2,3-Trichloropropane

Concen: 0.843 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035384.D

Acq: 22 Oct 2019 23:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10459

Ion Ratio Lower Upper

75 100

77 40.8 26.2 39.2#

