

Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
JLLH4

Quant Time: Aug 03 00:43:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 03 00:39:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	281561	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	283912	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	126926	62.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.00%
7) Chloroethane-d5	1.67	69	107362	61.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.26%
11) 1,1-Dichloroethene-d2	2.26	63	166451	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
21) 2-Butanone-d5	4.14	46	203498	150.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	150.09%#
24) Chloroform-d	4.62	84	199615	58.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.34%
26) 1,2-Dichloroethane-d4	5.29	65	133006	61.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.42%
32) Benzene-d6	5.32	84	422031	59.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.92%
36) 1,2-Dichloropropane-d6	6.31	67	134325	60.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.76%#
41) Toluene-d8	7.55	98	373822	56.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.36%
43) trans-1,3-Dichloropropene-	7.83	79	61096	55.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.64%
47) 2-Hexanone-d5	8.29	63	151215	144.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	144.36%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	207223	60.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	121.82%#
64) 1,2-Dichlorobenzene-d4	11.85	152	150916	57.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.58%

Target Compounds

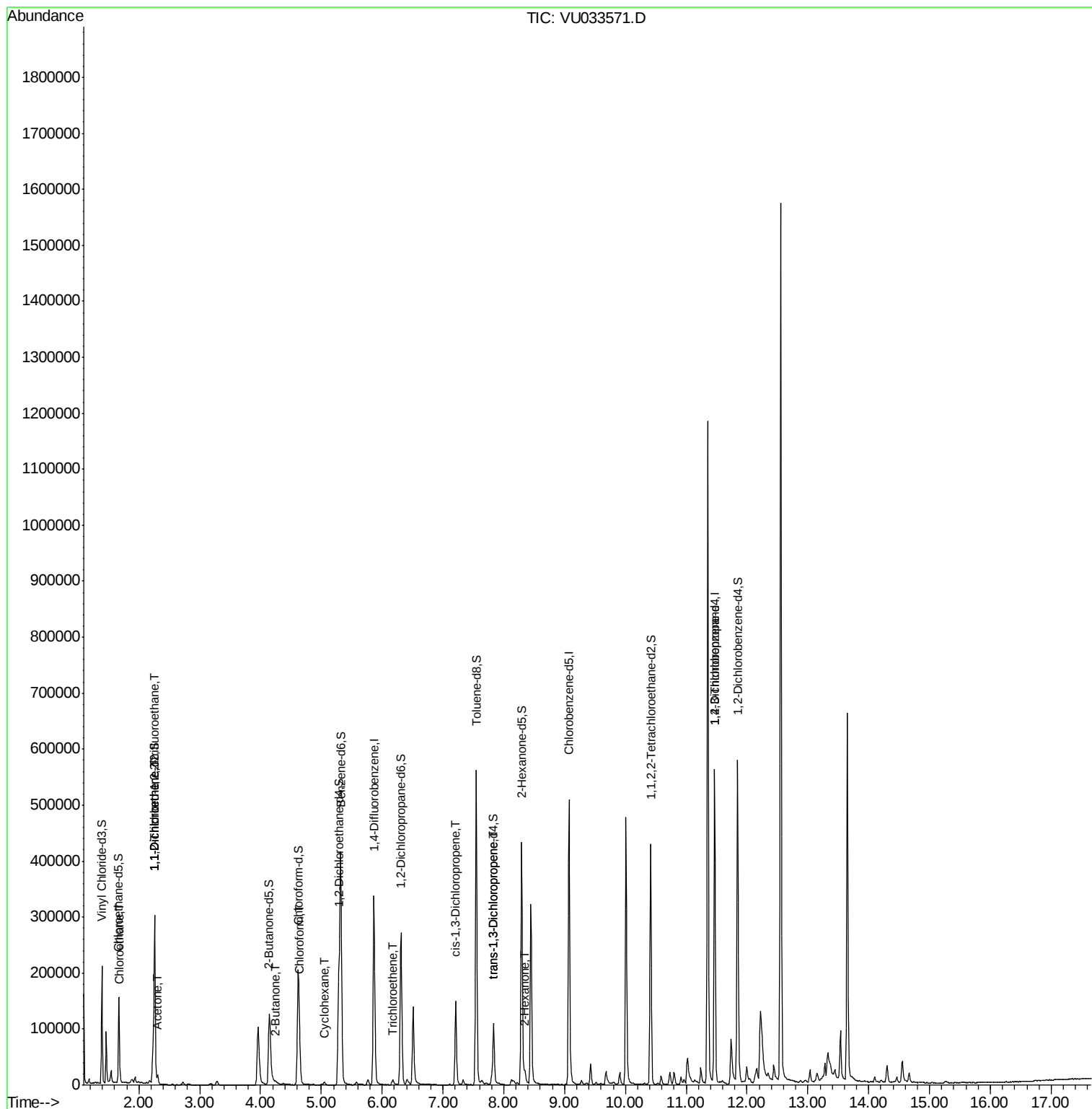
					Qvalue
8) Chloroethane	1.69	64	2891	1.659 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1353	0.712 ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1392	0.763 ug/L #	1
13) Acetone	2.31	43	16673	12.019 ug/L	98
22) 2-Butanone	4.25	43	5705	3.445 ug/L #	59
25) Chloroform	4.65	83	18828	4.990 ug/L	98
29) Cyclohexane	5.04	56	4239	1.369 ug/L #	17
34) Trichloroethene	6.17	95	2734	1.265 ug/L	89
39) cis-1,3-Dichloropropene	7.21	75	3680	1.075 ug/L #	65
44) trans-1,3-Dichloropropene	7.83	75	3084	0.997 ug/L	92
48) 2-Hexanone	8.35	43	12203	4.988 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	17141	5.923 ug/L	89

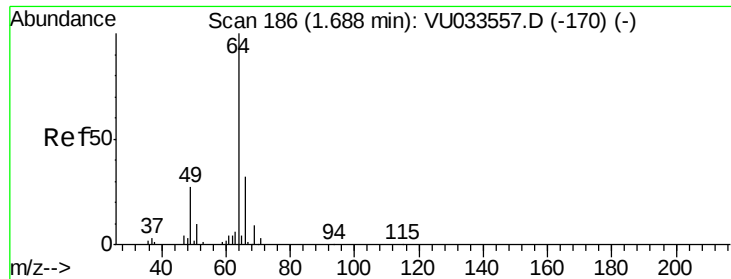
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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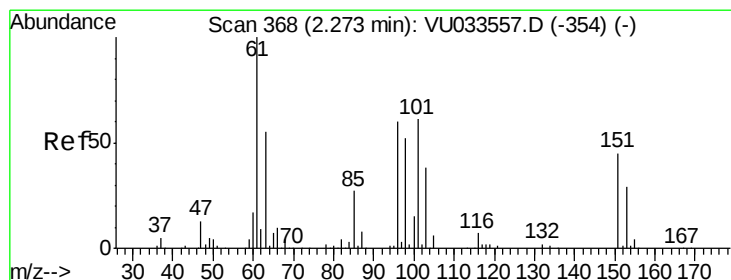
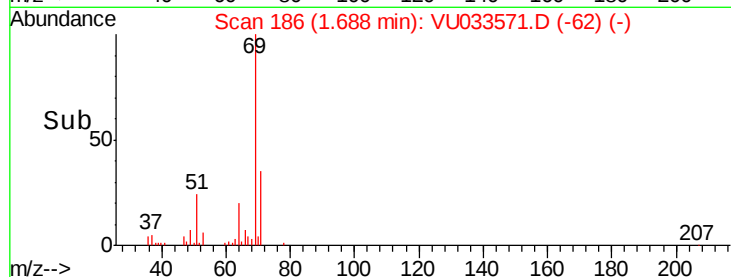
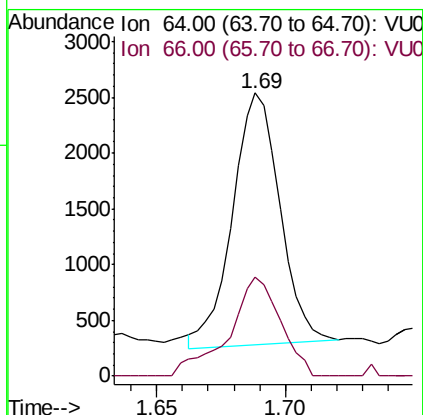
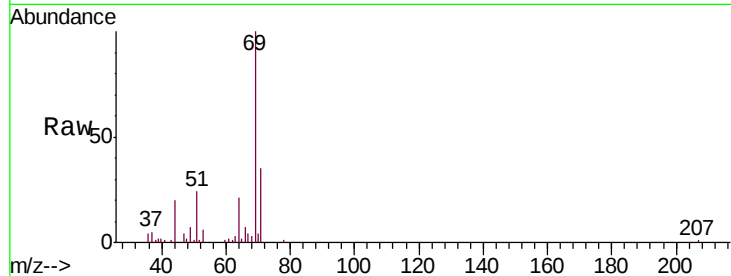




#8
 Chloroethane
 Concen: 1.659 ug/L
 RT: 1.69 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VU033571.D
 Acq: 02 Aug 2019 15:43

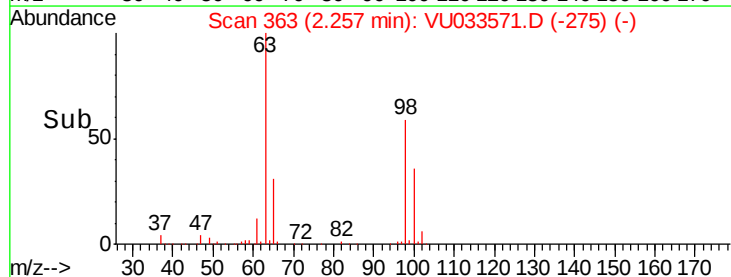
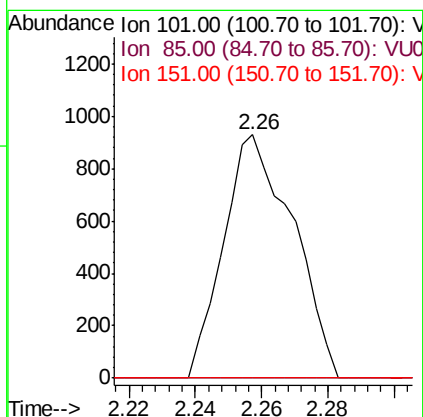
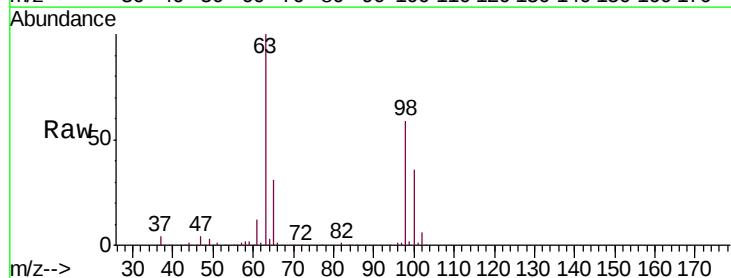
Instrument :
 MSVOA_U
 ClientSampleId :
 JLLH4

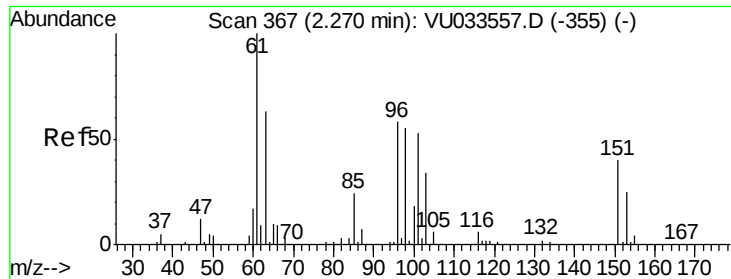
Tgt Ion: 64 Resp: 2891
 Ion Ratio Lower Upper
 64 100
 66 34.8 21.1 39.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.712 ug/L
 RT: 2.26 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: VU033571.D
 Acq: 02 Aug 2019 15:43

Tgt Ion: 101 Resp: 1353
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.8 53.8#
 151 0.0 60.1 90.1#





#12

1,1-Dichloroethene

Concen: 0.763 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033571.D

Acq: 02 Aug 2019 15:43

Instrument :

MSVOA_U

ClientSampled :

JLLH4

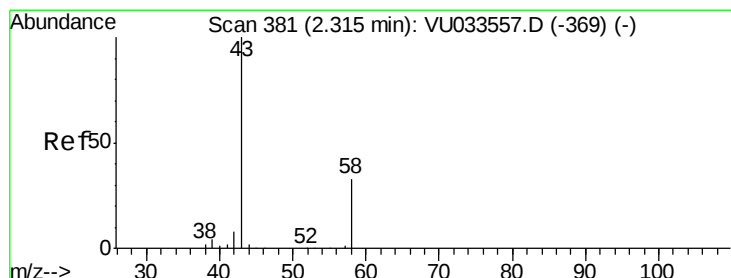
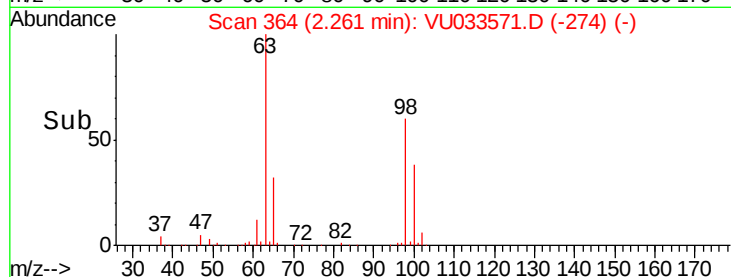
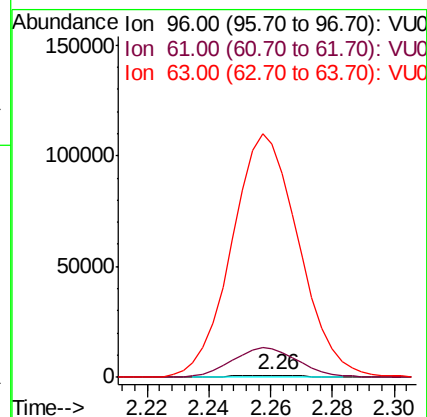
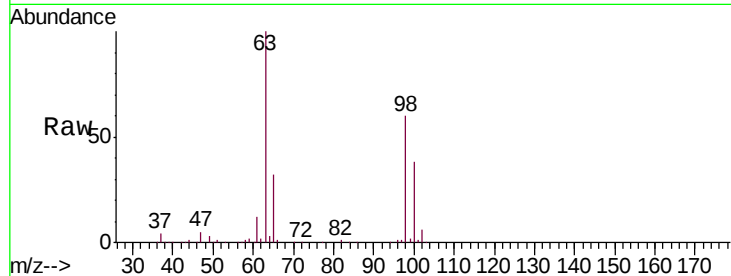
Tgt Ion: 96 Resp: 1392

Ion Ratio Lower Upper

96 100

61 1484.3 119.3 221.5#

63 12085.2 86.6 160.8#



#13

Acetone

Concen: 12.019 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU033571.D

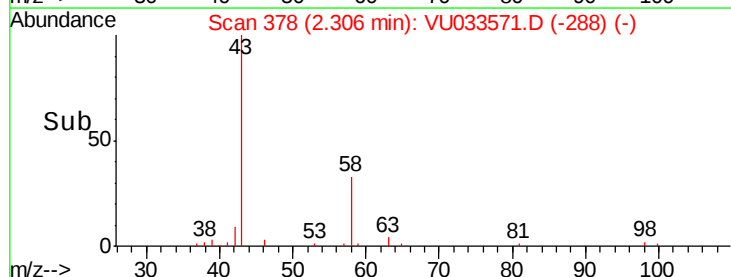
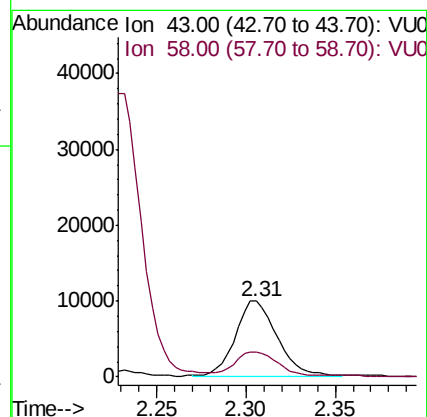
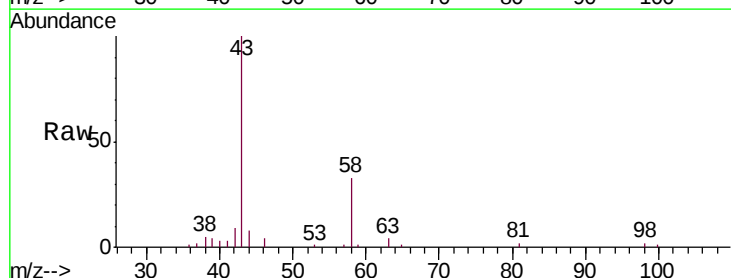
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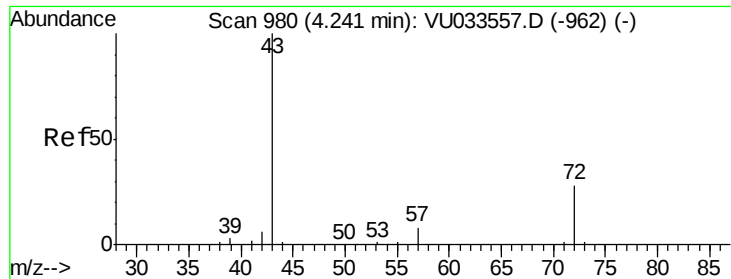
Tgt Ion: 43 Resp: 16673

Ion Ratio Lower Upper

43 100

58 32.1 0.0 66.2

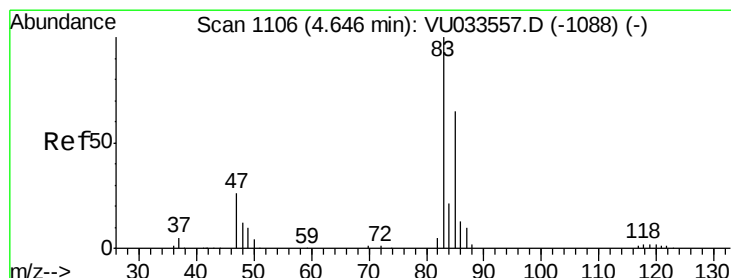
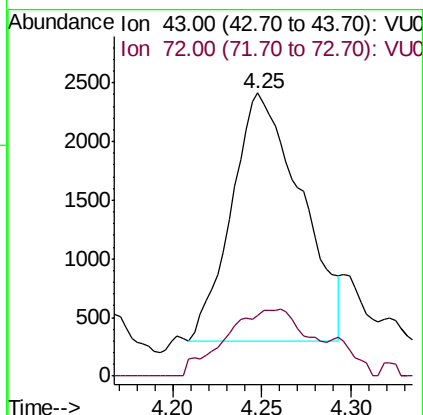
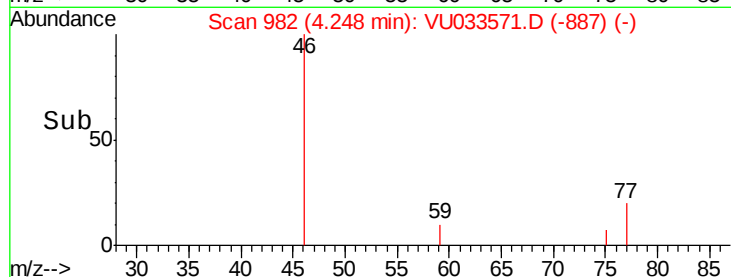
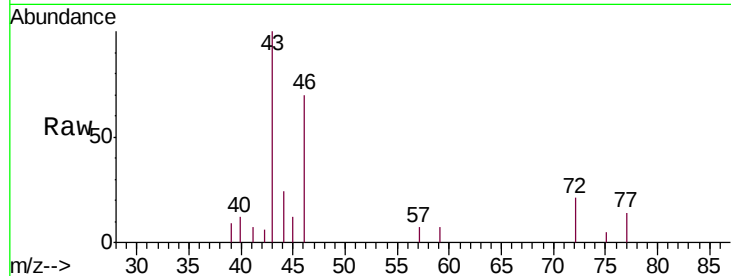




#22
2-Butanone
Concen: 3.445 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

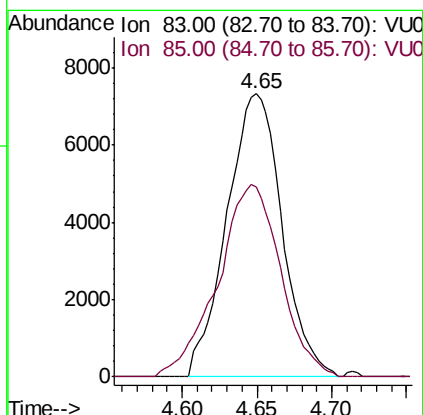
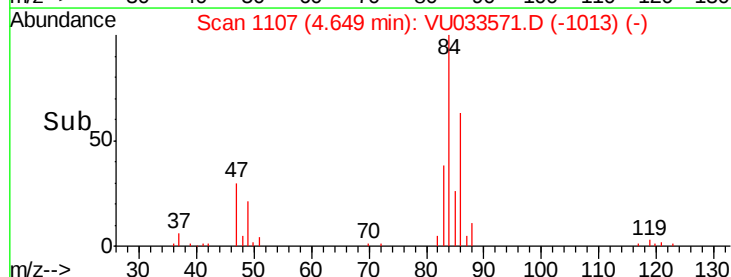
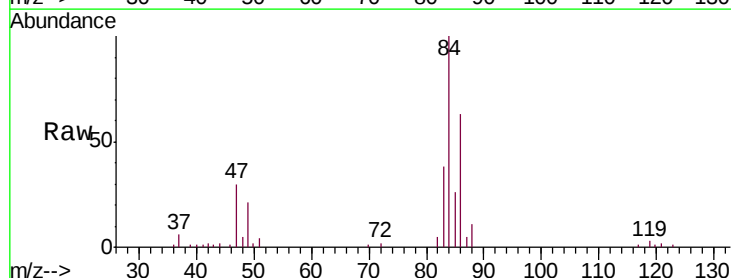
Instrument :
MSVOA_U
ClientSampled :
JLLH4

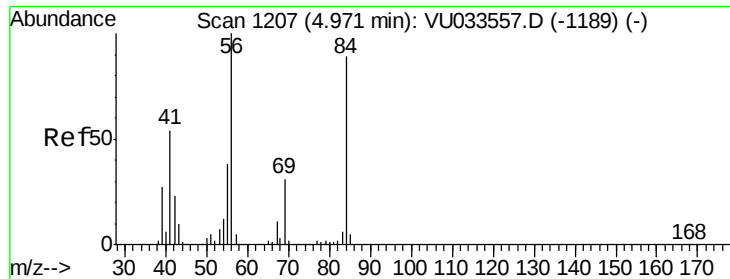
Tgt Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
72 6.6 14.2 42.6#



#25
Chloroform
Concen: 4.990 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

Tgt Ion: 83 Resp: 18828
Ion Ratio Lower Upper
83 100
85 66.9 45.6 84.8

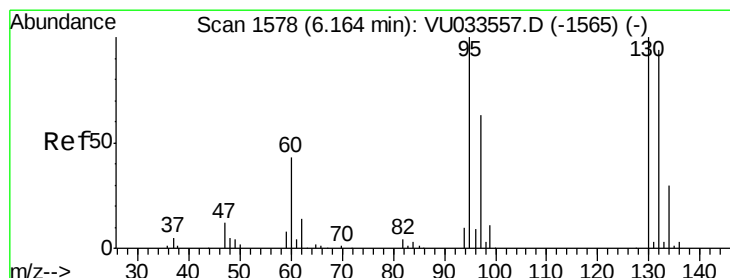
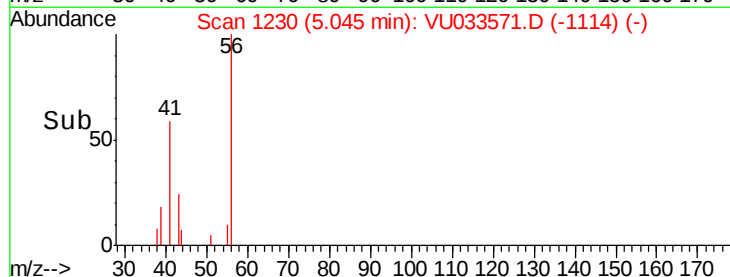
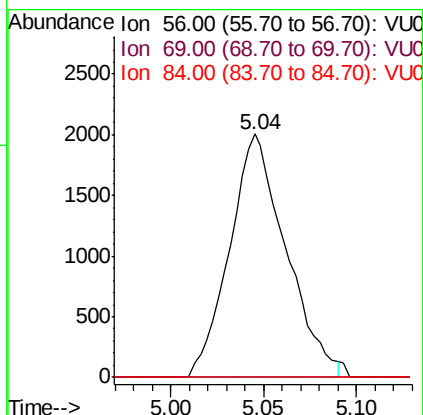
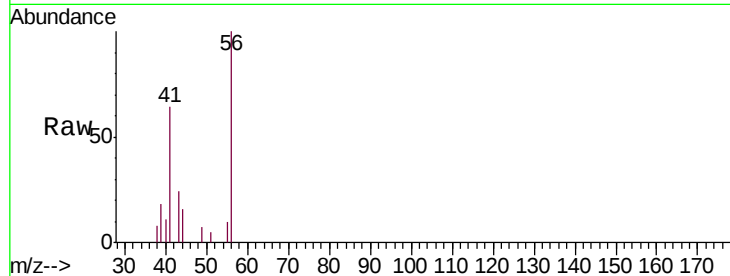




#29
Cyclohexane
Concen: 1.369 ug/L
RT: 5.04 min Scan# 1230
Delta R.T. 0.07 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

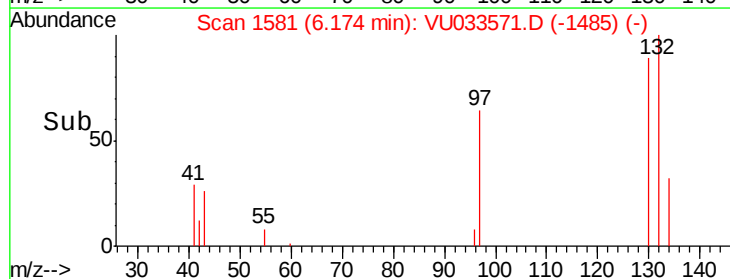
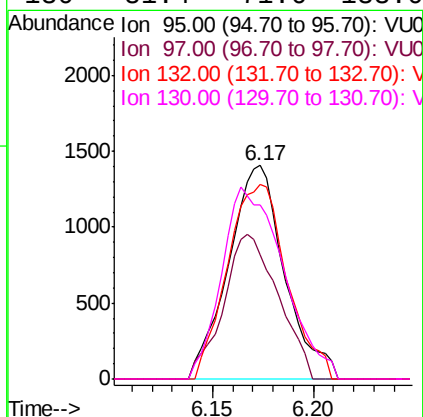
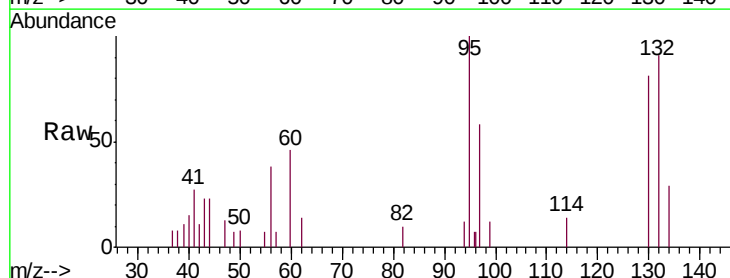
Instrument :
MSVOA_U
ClientSampled :
JLLH4

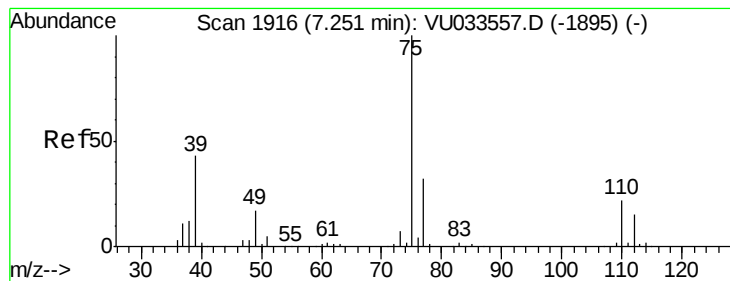
Tgt Ion: 56 Resp: 4239
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.6#
84 3.1 71.6 107.4#



#34
Trichloroethene
Concen: 1.265 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

Tgt Ion: 95 Resp: 2734
Ion Ratio Lower Upper
95 100
97 58.4 44.7 83.1
132 91.2 66.8 124.0
130 81.4 71.6 133.0



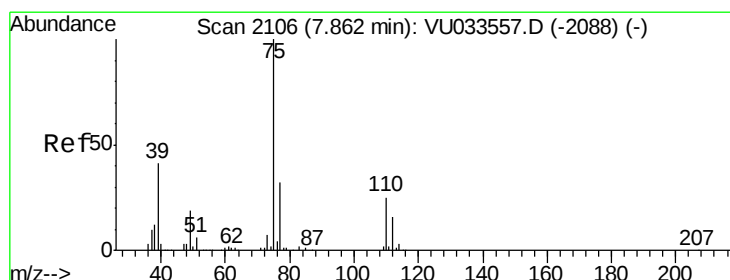
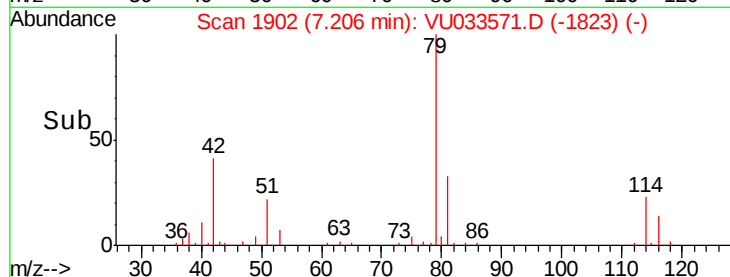
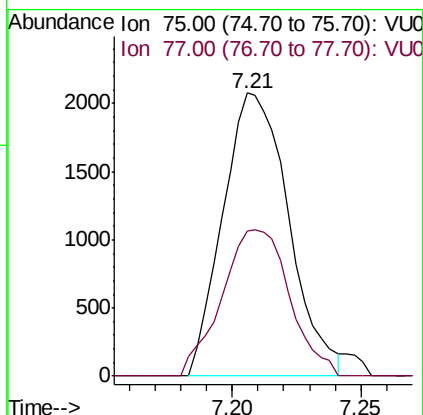
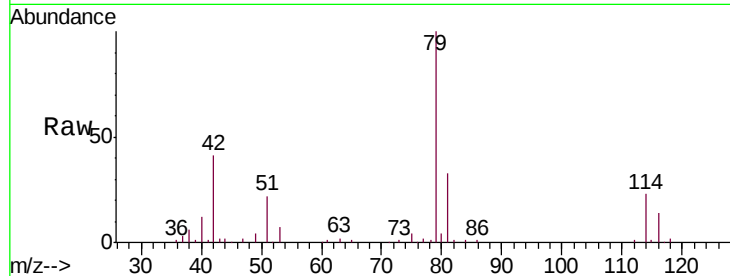


#39

cis-1,3-Dichloropropene
 Concen: 1.075 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU033571.D
 Acq: 02 Aug 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 JLLH4

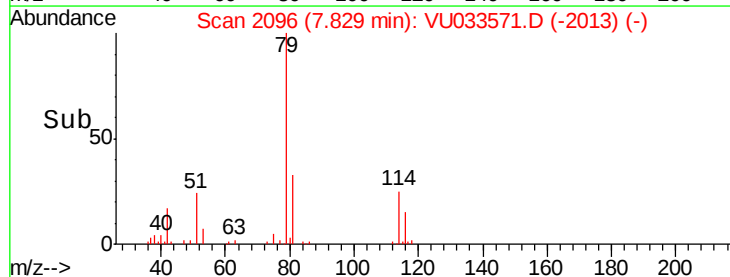
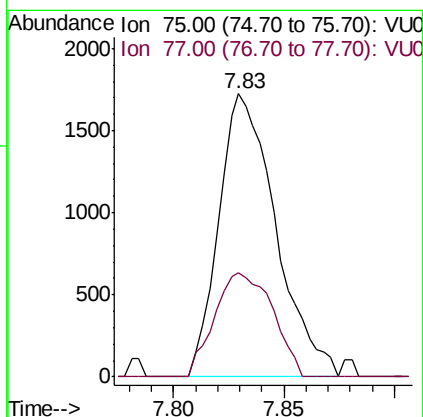
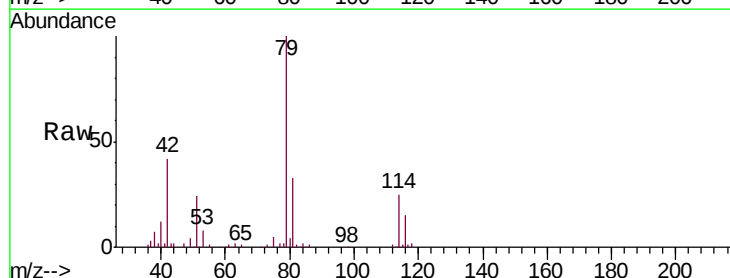
Tgt Ion: 75 Resp: 3680
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.3 41.5#

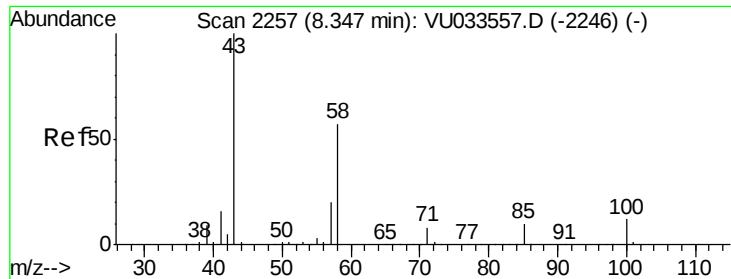


#44

trans-1,3-Dichloropropene
 Concen: 0.997 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.03 min
 Lab File: VU033571.D
 Acq: 02 Aug 2019 15:43

Tgt Ion: 75 Resp: 3084
 Ion Ratio Lower Upper
 75 100
 77 36.8 22.7 42.1

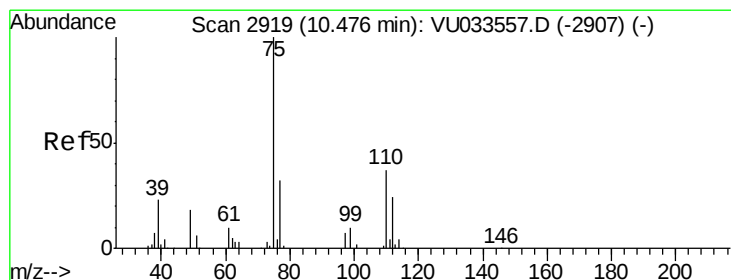
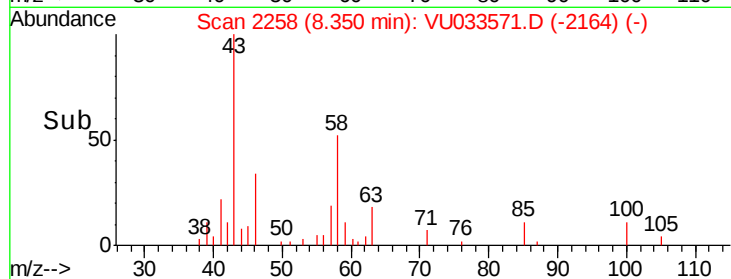
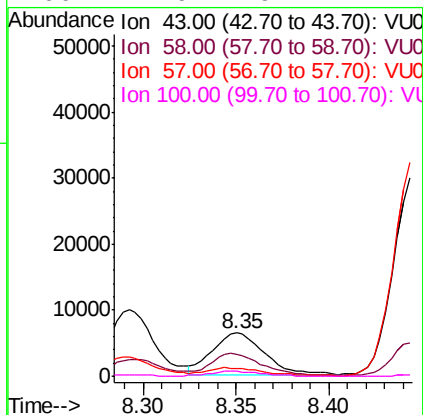
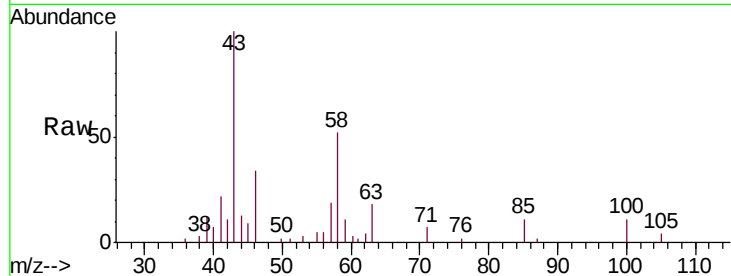




#48
2-Hexanone
Concen: 4.988 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

Instrument :
MSVOA_U
ClientSampled :
JLLH4

Tgt Ion:	43	Resp:	12203
Ion	Ratio	Lower	Upper
43	100		
58	55.1	45.8	68.6
57	16.6	15.8	23.6
100	11.9	9.4	14.2



#59
1,2,3-Trichloropropane
Concen: 5.923 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033571.D
Acq: 02 Aug 2019 15:43

Tgt Ion:	75	Resp:	17141
Ion	Ratio	Lower	Upper
75	100		
77	38.2	25.8	38.6

