

Data File : VU033415.D
Acq On : 25 Jul 2019 17:39
Operator : JC/SP
Sample : K3957-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A23

Quant Time: Jul 26 05:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	283202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287908	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	125367	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120885	56.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.78%
7) Chloroethane-d5	1.67	69	104840	57.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.48%
11) 1,1-Dichloroethene-d2	2.25	63	167102	42.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.94%
21) 2-Butanone-d5	4.15	46	145481	107.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.62	84	184138	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
26) 1,2-Dichloroethane-d4	5.29	65	126419	54.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.72%
32) Benzene-d6	5.32	84	382235	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
36) 1,2-Dichloropropane-d6	6.31	67	122484	54.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.28%
41) Toluene-d8	7.55	98	347988	52.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.50%
43) trans-1,3-Dichloropropene-	7.83	79	56373	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.62%
47) 2-Hexanone-d5	8.29	63	103598	101.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.57%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	178422	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	128263	57.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.74%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1665	0.862 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1260	0.667 ug/L #	1
13) Acetone	2.31	43	16724	9.854 ug/L	98
25) Chloroform	4.65	83	5964	1.493 ug/L	89
27) 1,2-Dichloroethane	5.32	62	1953	0.631 ug/L #	76
34) Trichloroethene	6.16	95	104737	47.698 ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	3488	0.999 ug/L #	57
44) trans-1,3-Dichloropropene	7.83	75	2620	0.832 ug/L	93
59) 1,2,3-Trichloropropane	11.47	75	15667	5.285 ug/L	92

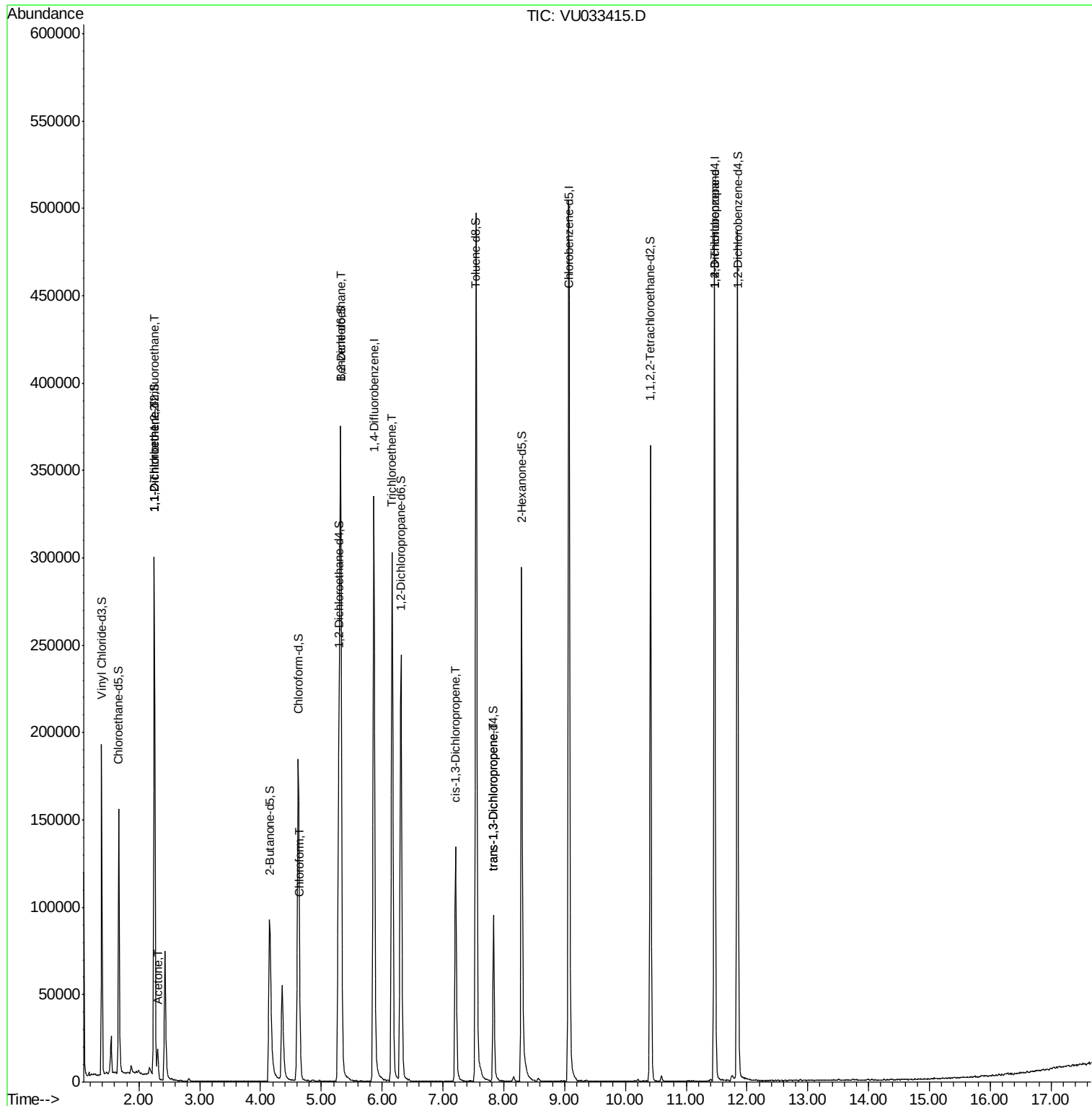
(#) = qualifier out of range (m) = manual integration (+) = signals summed

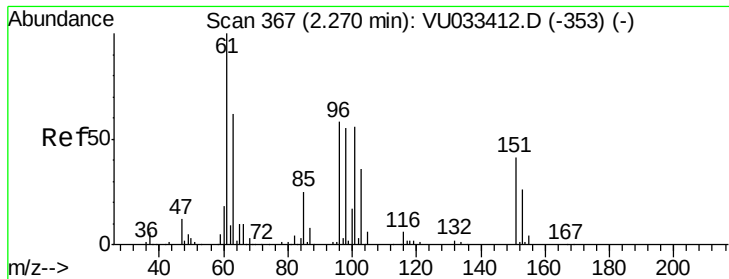
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Response via : Initial Calibration





#10

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

Concen: 0.862 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

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MSVOA_U

ClientSampleId :

F2A23

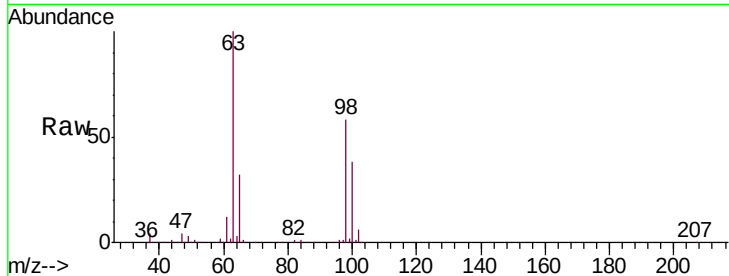
Tgt Ion: 101 Resp: 1665

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

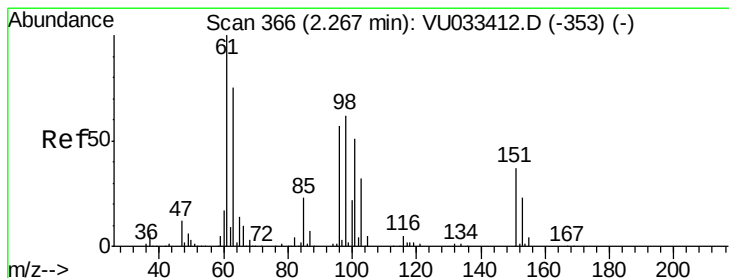
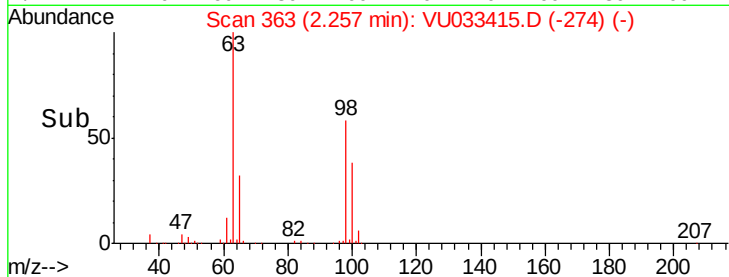
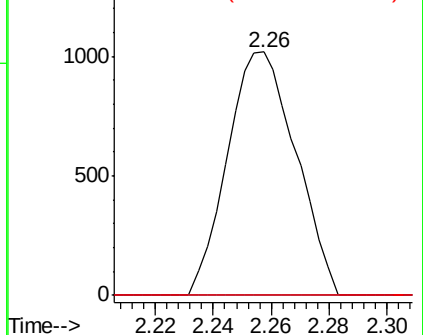
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.667 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033415.D

Acq: 25 Jul 2019 17:39

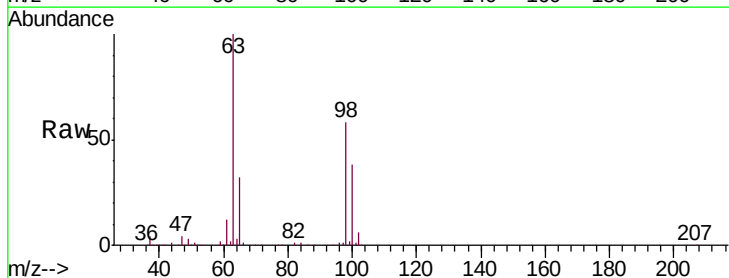
Tgt Ion: 96 Resp: 1260

Ion Ratio Lower Upper

96 100

61 1499.7 126.1 234.1#

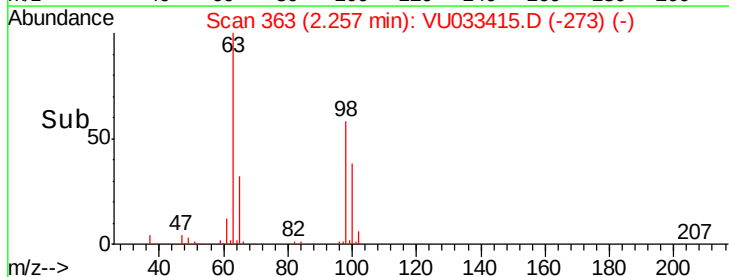
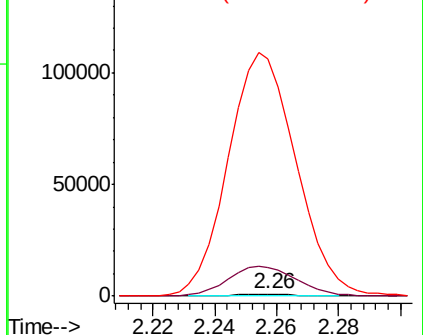
63 12156.9 96.8 179.8#

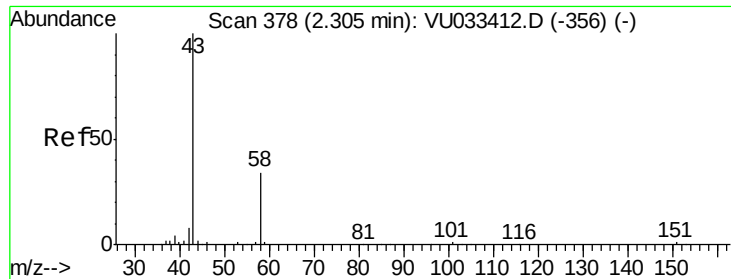


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.854 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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ClientSampleId :

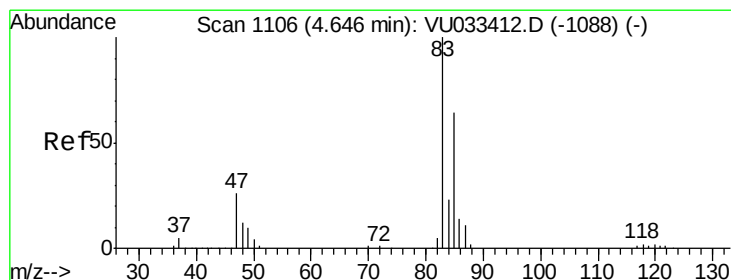
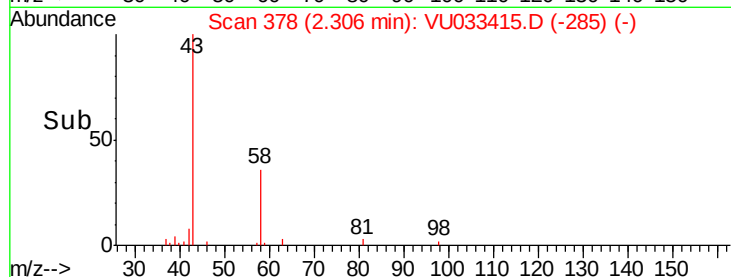
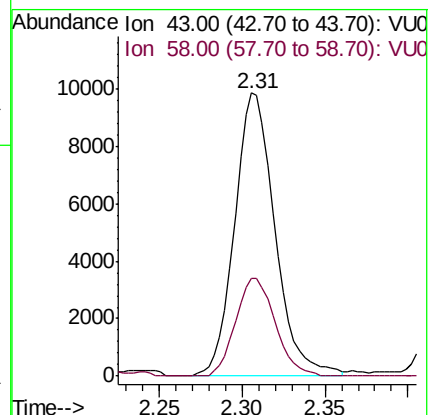
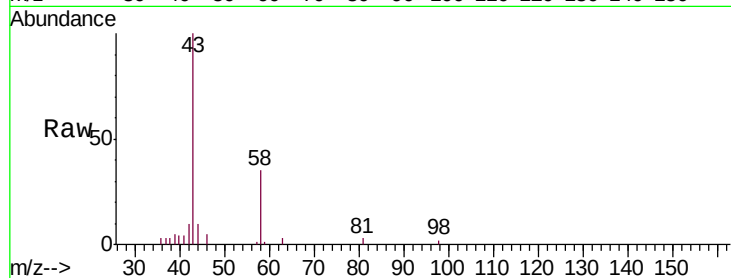
F2A23

Tgt Ion: 43 Resp: 16724

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.4



#25

Chloroform

Concen: 1.493 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU033415.D

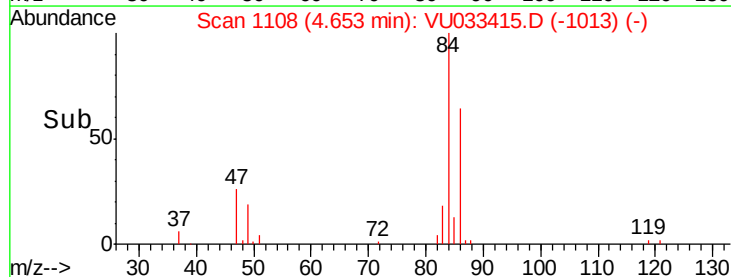
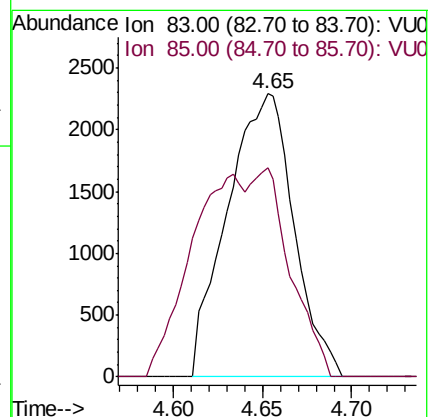
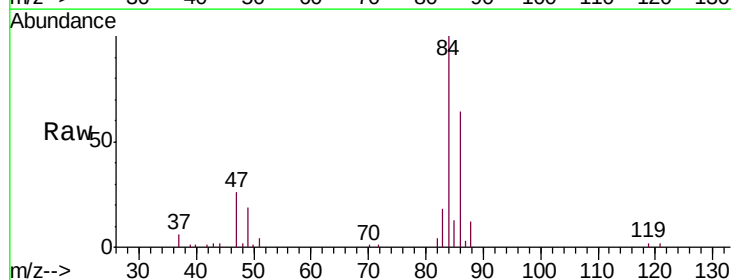
Acq: 25 Jul 2019 17:39

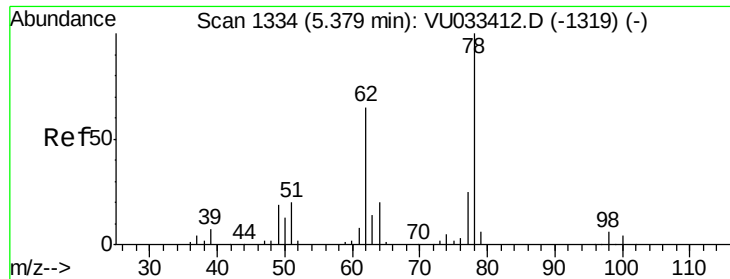
Tgt Ion: 83 Resp: 5964

Ion Ratio Lower Upper

83 100

85 73.7 45.4 84.4

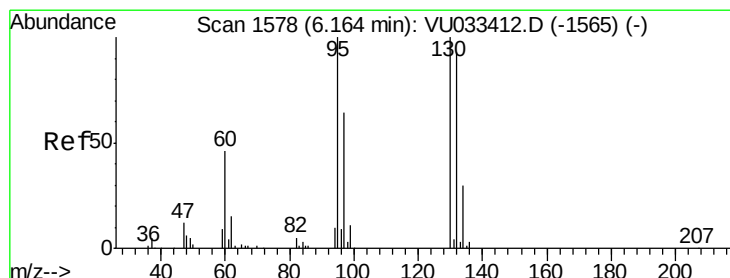
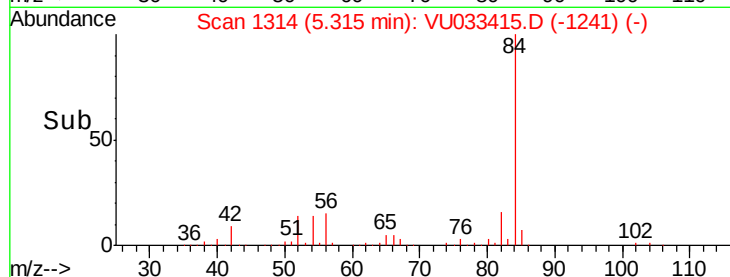
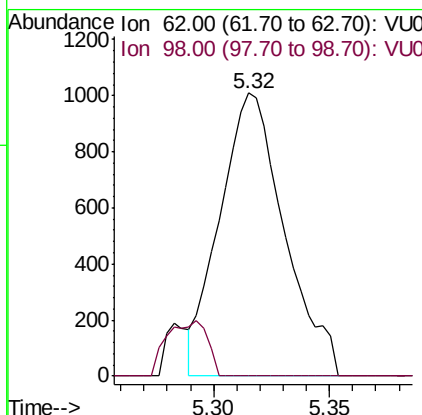
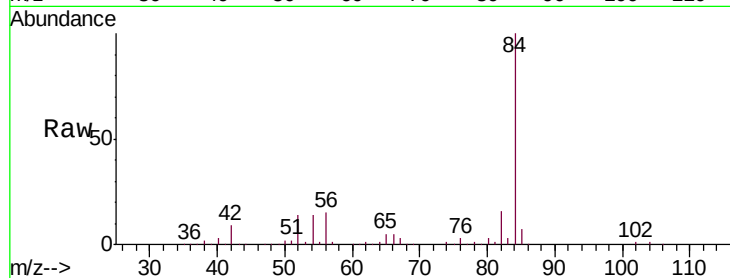




#27
 1,2-Dichloroethane
 Concen: 0.631 ug/L
 RT: 5.32 min Scan# 1314
 Delta R.T. -0.06 min
 Lab File: VU033415.D
 Acq: 25 Jul 2019 17:39

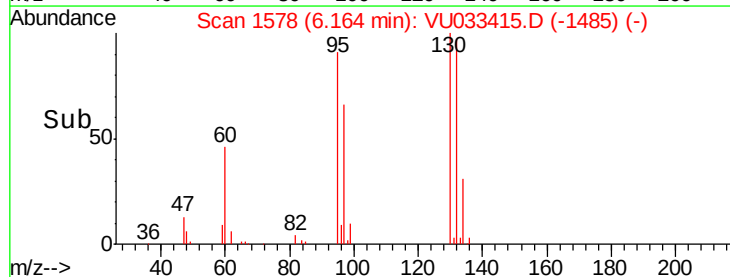
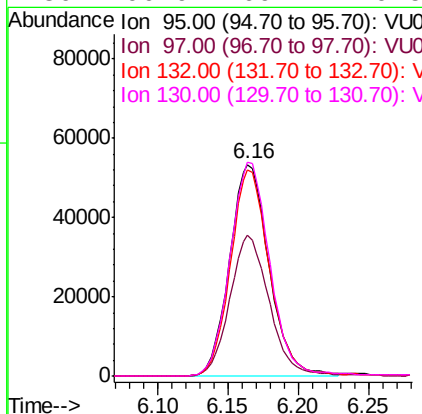
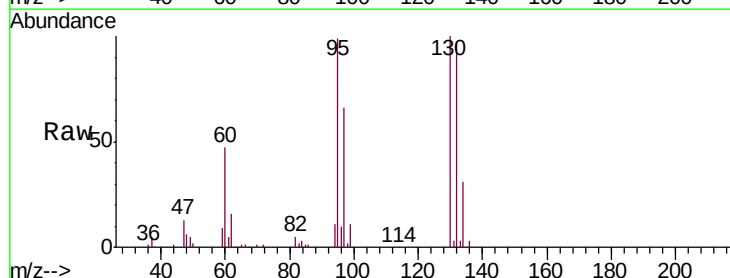
Instrument :
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 F2A23

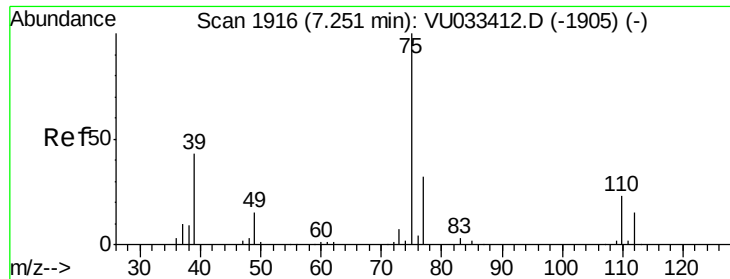
Tgt Ion: 62 Resp: 1953
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#34
 Trichloroethene
 Concen: 47.698 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033415.D
 Acq: 25 Jul 2019 17:39

Tgt Ion: 95 Resp: 104737
 Ion Ratio Lower Upper
 95 100
 97 66.4 43.8 81.4
 132 97.4 65.5 121.6
 130 100.9 69.7 129.5

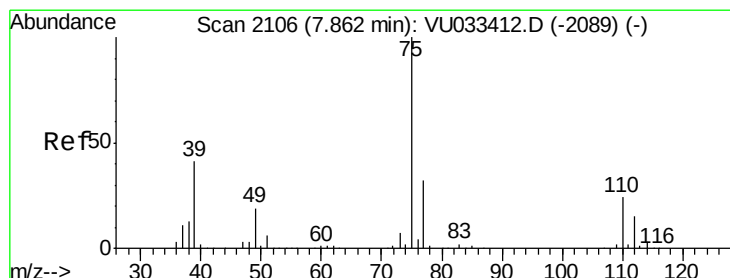
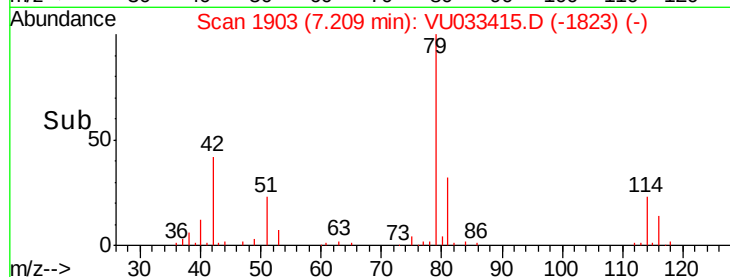
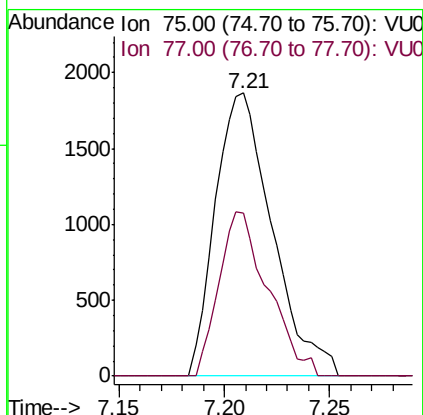
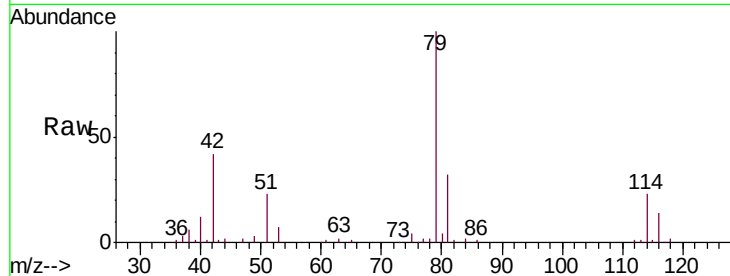




#39
 cis-1,3-Dichloropropene
 Concen: 0.999 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033415.D
 Acq: 25 Jul 2019 17:39

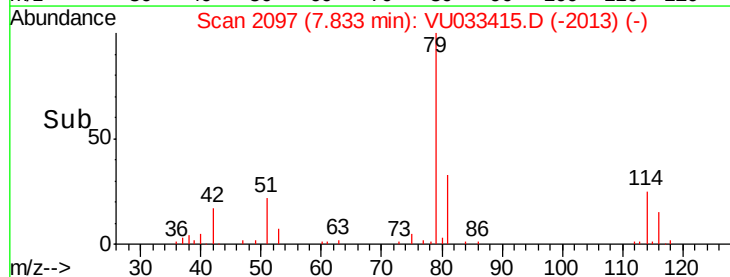
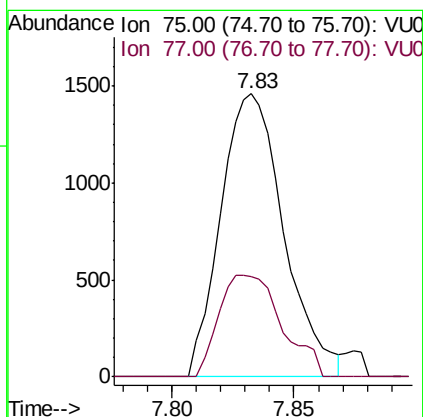
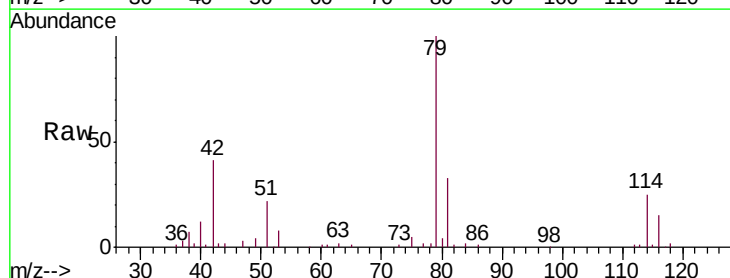
Instrument :
 MSVOA_U
 ClientSampleId :
 F2A23

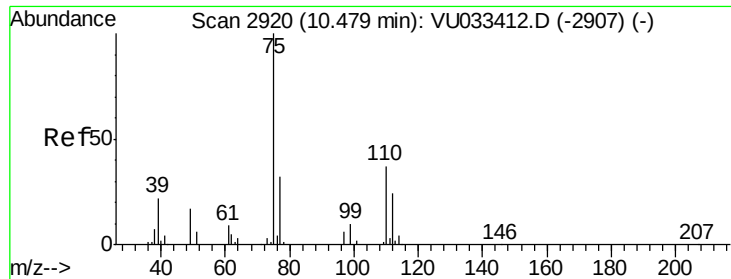
Tgt Ion: 75 Resp: 3488
 Ion Ratio Lower Upper
 75 100
 77 57.5 23.1 42.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.832 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033415.D
 Acq: 25 Jul 2019 17:39

Tgt Ion: 75 Resp: 2620
 Ion Ratio Lower Upper
 75 100
 77 35.6 22.4 41.6





#59

1,2,3-Trichloropropane

Concen: 5.285 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033415.D

Acq: 25 Jul 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

F2A23

Tgt Ion: 75 Resp: 15667

Ion Ratio Lower Upper

75 100

77 37.0 26.0 39.0

