

Data File : VU033105.D
Acq On : 01 Jul 2019 11:17
Operator : JC/SP
Sample : K3599-15
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM24

Quant Time: Jul 02 04:19:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	235544	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	239940	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	118599	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51646	32.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.16%
7) Chloroethane-d5	1.64	69	37407	29.14	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	58.28%#
11) 1,1-Dichloroethene-d2	2.22	63	90629	27.95	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.90%#
21) 2-Butanone-d5	4.19	46	122167	91.18	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.18%
24) Chloroform-d	4.63	84	123344	39.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.82%
26) 1,2-Dichloroethane-d4	5.30	65	88600	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.00%
32) Benzene-d6	5.32	84	235962	37.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.46%
36) 1,2-Dichloropropane-d6	6.32	67	78042	39.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.34%
41) Toluene-d8	7.56	98	213038	36.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.74%#
43) trans-1,3-Dichloropropene-	7.85	79	38067	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
47) 2-Hexanone-d5	8.32	63	74681	80.27	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124600	40.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	89085	38.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.64%#

Target Compounds

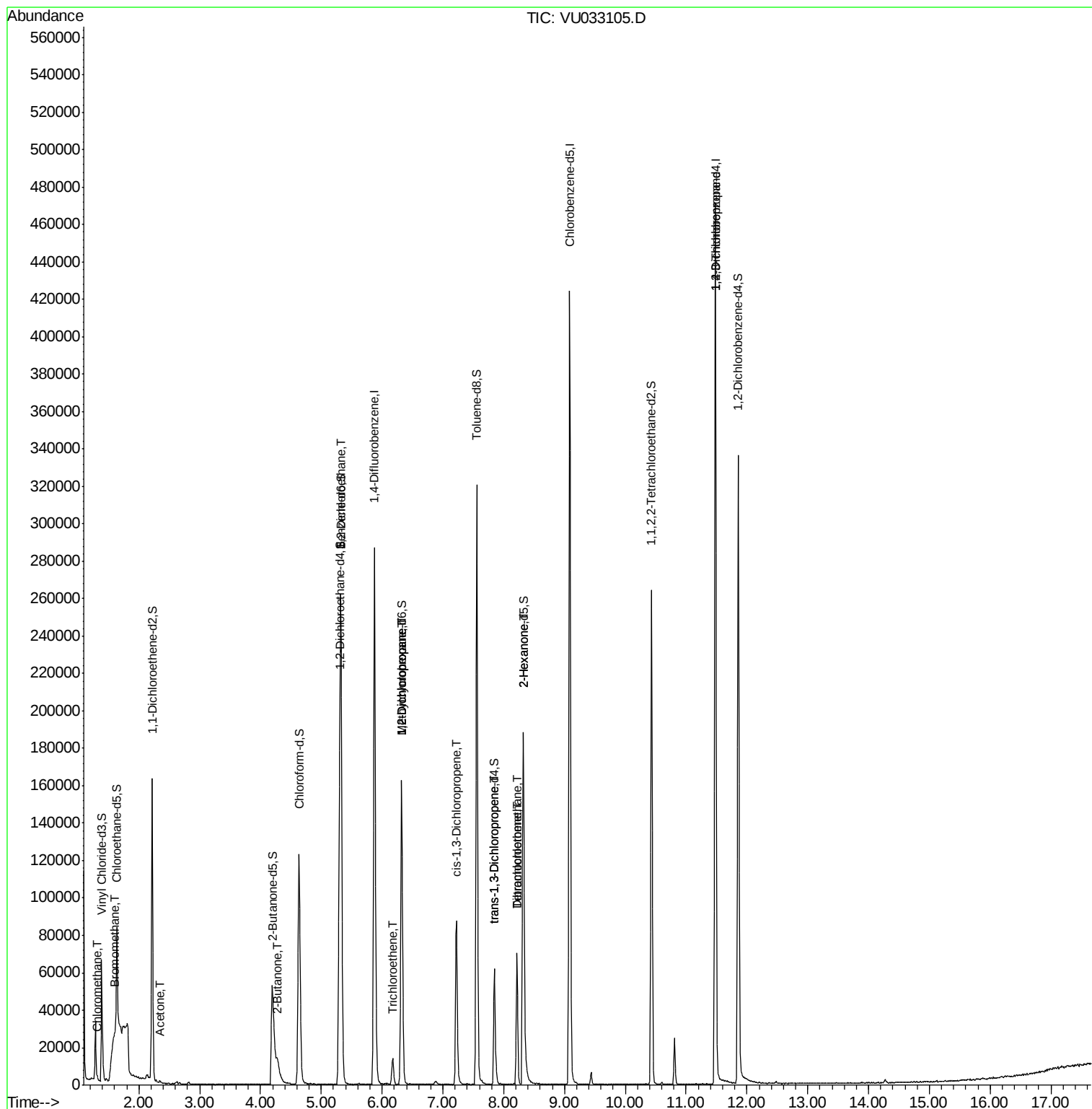
					Qvalue
3) Chloromethane	1.32	50	1520	0.705 ug/L	97
6) Bromomethane	1.60	94	747	0.594 ug/L	99
13) Acetone	2.34	43	1495	0.808 ug/L	56
22) 2-Butanone	4.29	43	16731	8.723 ug/L	80
27) 1,2-Dichloroethane	5.32	62	1645	0.633 ug/L #	77
34) Trichloroethene	6.18	95	3723	2.016 ug/L	93
35) Methylcyclohexane	6.32	83	18199	6.375 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9453	4.986 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2662	0.901 ug/L	84
44) trans-1,3-Dichloropropene	7.84	75	1884	0.679 ug/L	99
46) Tetrachloroethene	8.22	164	15013	9.921 ug/L	96
48) 2-Hexanone	8.32	43	10309	3.860 ug/L #	71
49) Dibromochloromethane	8.22	129	14069	6.613 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	15227	6.018 ug/L #	86

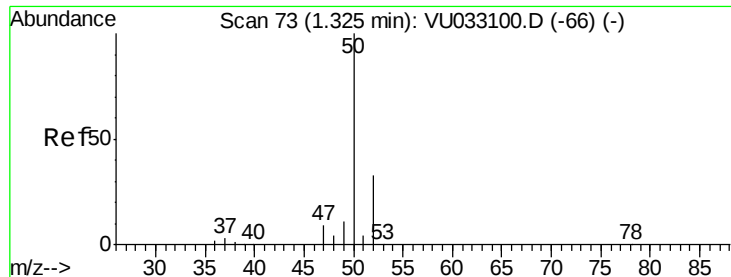
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.705 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VU033105.D

Acq: 01 Jul 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

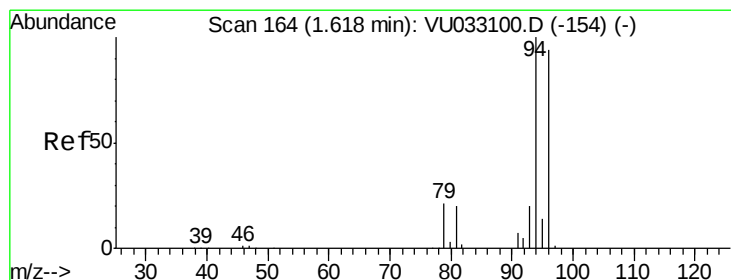
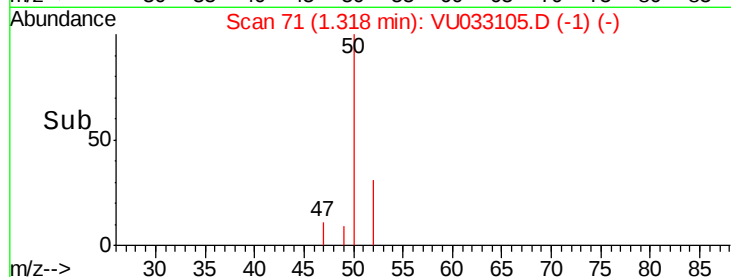
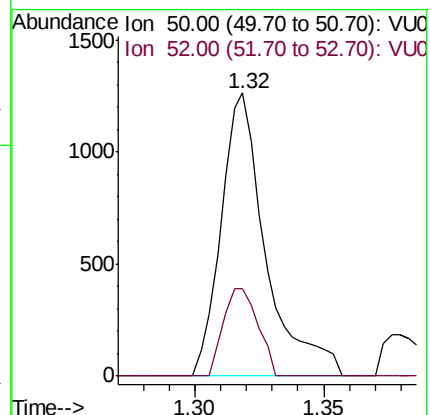
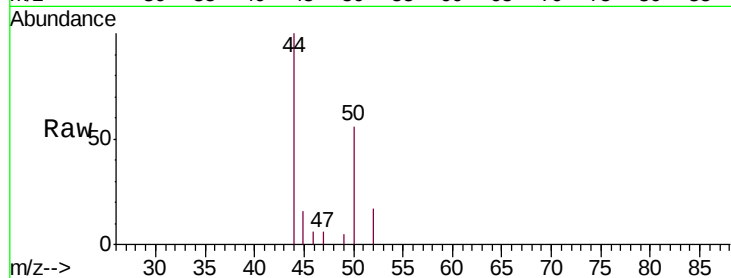
GAM24

Tgt Ion: 50 Resp: 1520

Ion Ratio Lower Upper

50 100

52 31.0 23.0 42.6



#6

Bromomethane

Concen: 0.594 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU033105.D

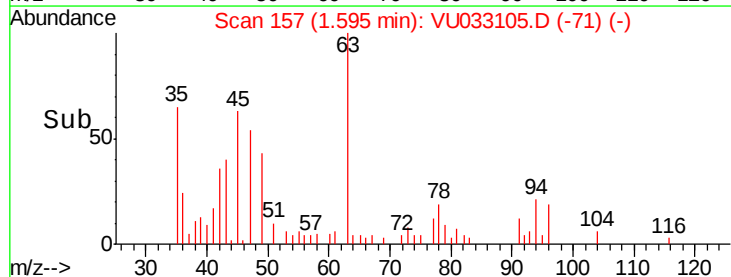
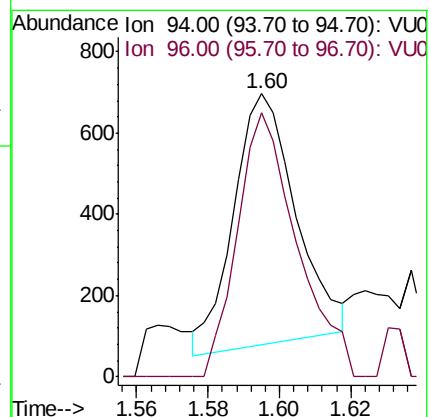
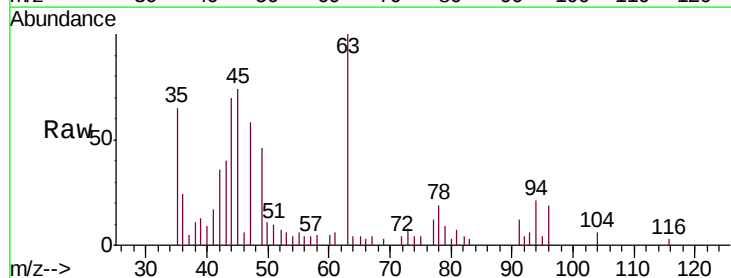
Acq: 01 Jul 2019 11:17

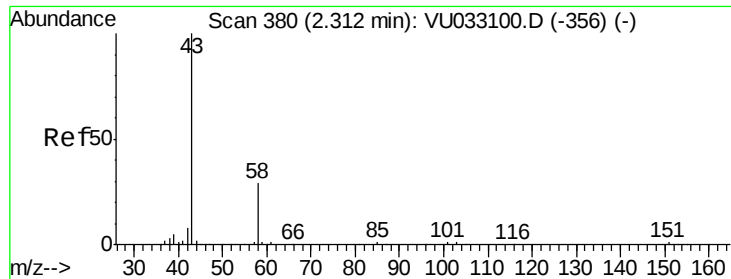
Tgt Ion: 94 Resp: 747

Ion Ratio Lower Upper

94 100

96 93.4 64.8 120.4





#13

Acetone

Concen: 0.808 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.03 min

Lab File: VU033105.D

Acq: 01 Jul 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

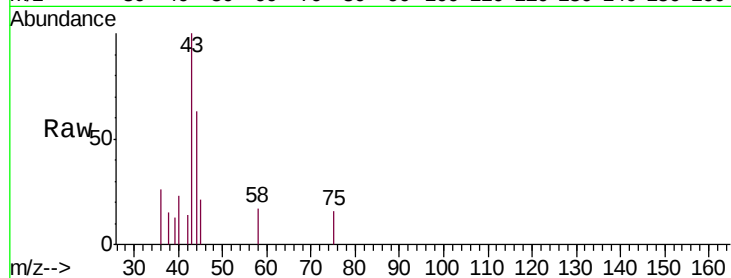
GAM24

Tgt Ion: 43 Resp: 1495

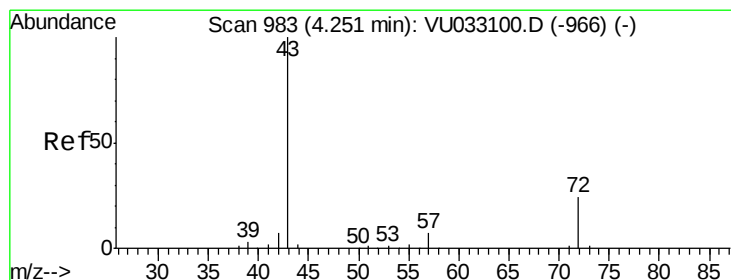
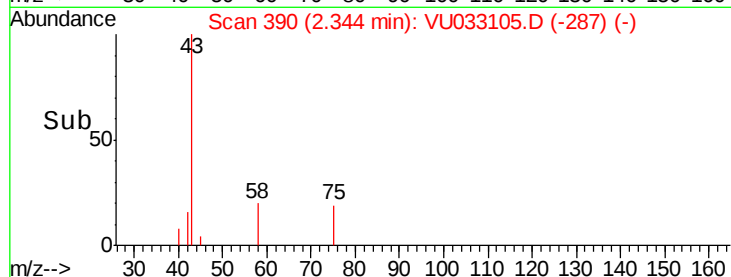
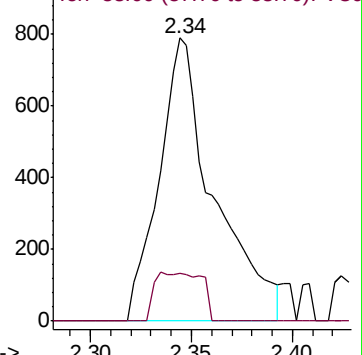
Ion Ratio Lower Upper

43 100

58 6.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-356) (-)



#22

2-Butanone

Concen: 8.723 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.04 min

Lab File: VU033105.D

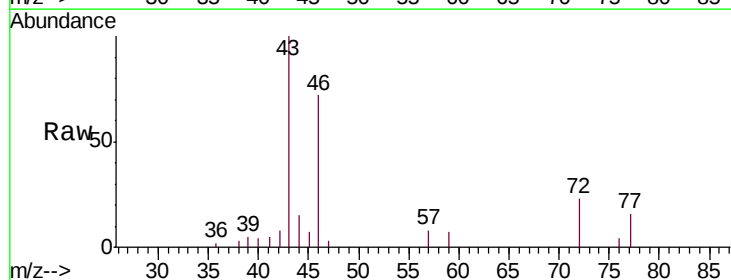
Acq: 01 Jul 2019 11:17

Tgt Ion: 43 Resp: 16731

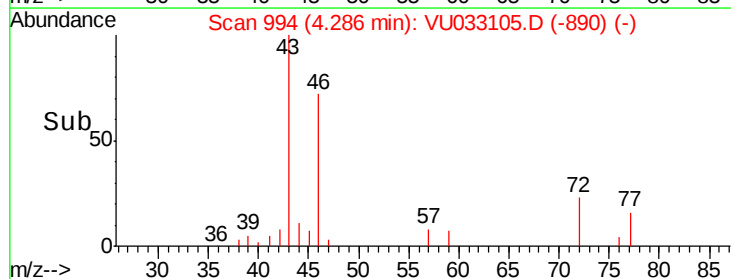
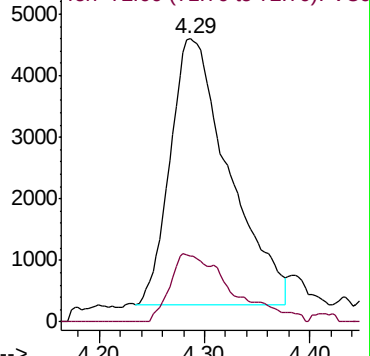
Ion Ratio Lower Upper

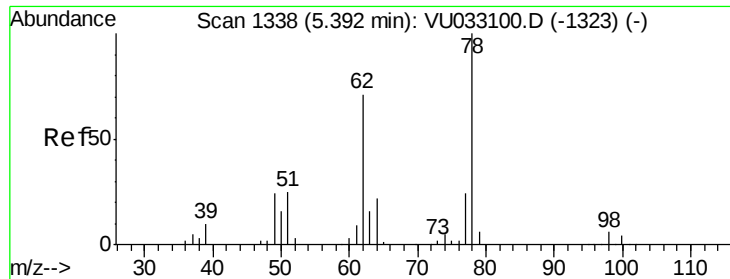
43 100

72 15.7 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-966) (-)

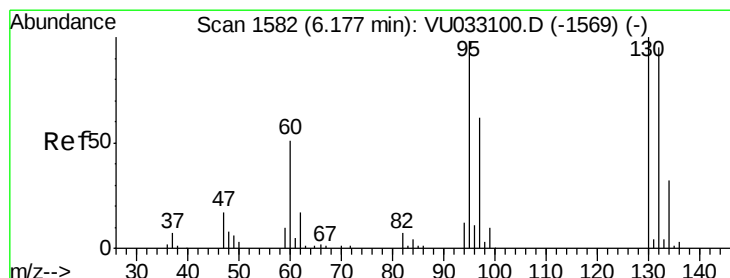
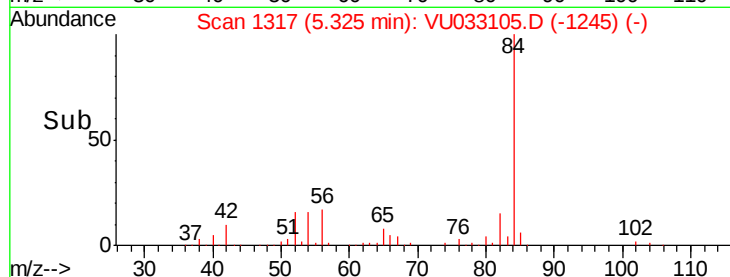
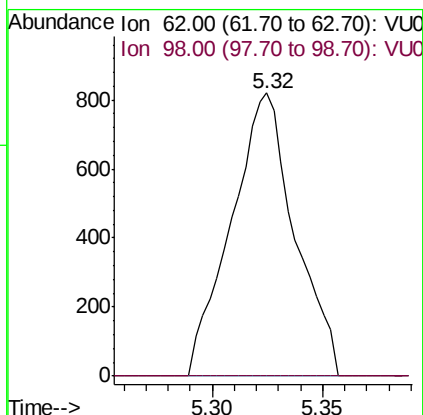
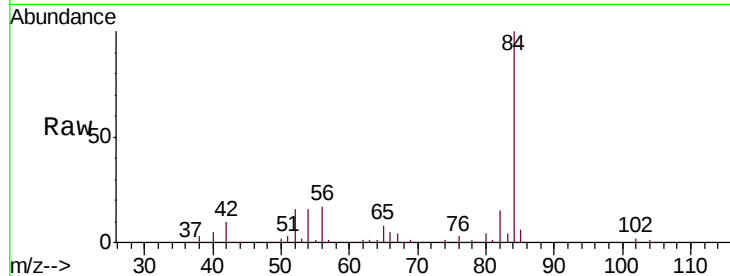




#27
 1,2-Dichloroethane
 Concen: 0.633 ug/L
 RT: 5.32 min Scan# 1317
 Delta R.T. -0.07 min
 Lab File: VU033105.D
 Acq: 01 Jul 2019 11:17

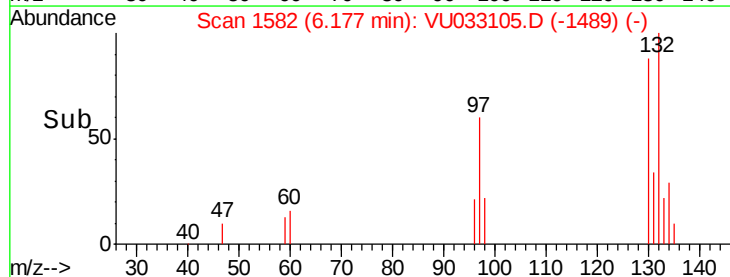
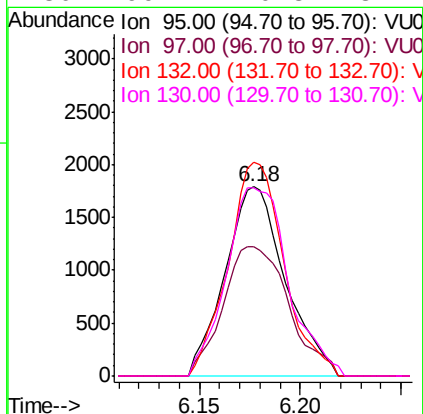
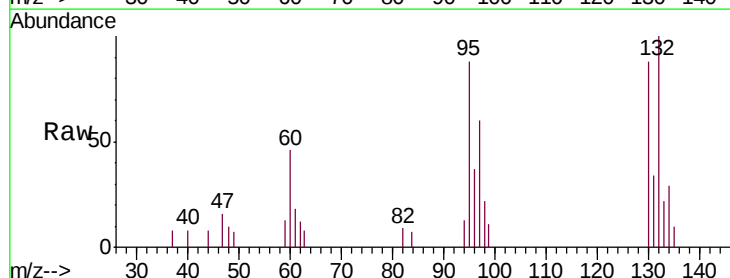
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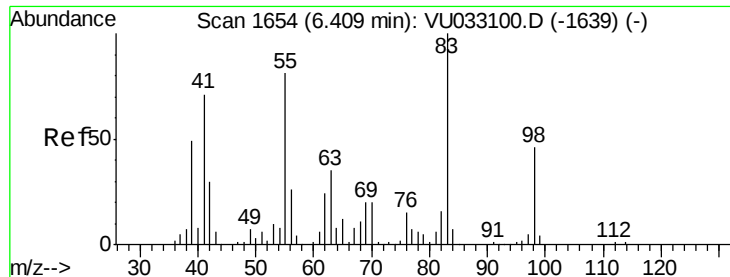
Tgt Ion: 62 Resp: 1645
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 2.016 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU033105.D
 Acq: 01 Jul 2019 11:17

Tgt Ion: 95 Resp: 3723
 Ion Ratio Lower Upper
 95 100
 97 68.1 45.9 85.3
 132 113.0 68.5 127.3
 130 99.7 70.8 131.4

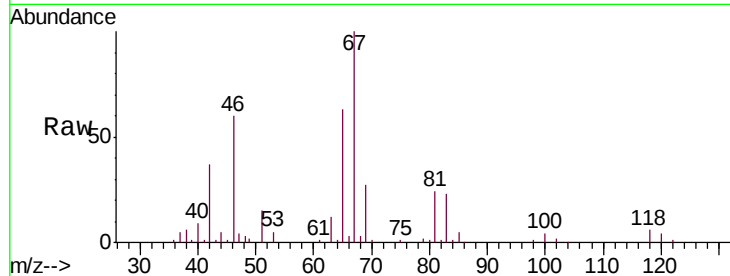




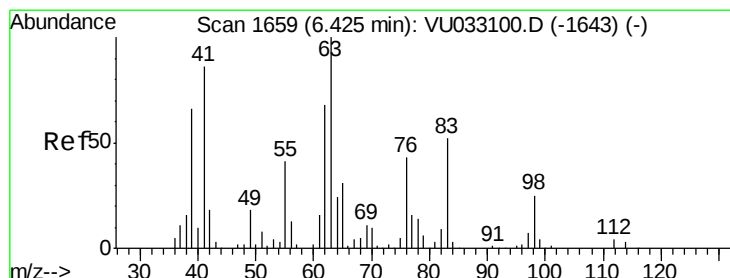
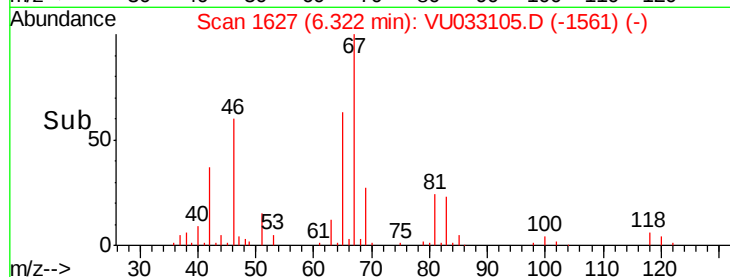
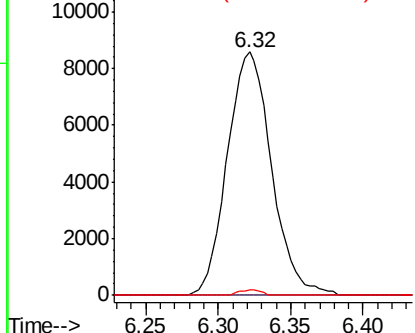
#35
Methylcyclohexane
Concen: 6.375 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU033105.D
Acq: 01 Jul 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
GAM24

Tgt Ion: 83 Resp: 18199
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.1 37.4 56.0#

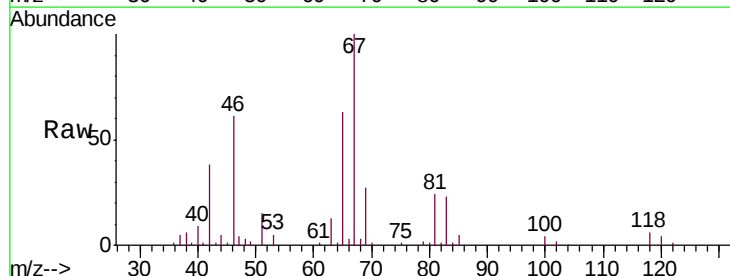


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

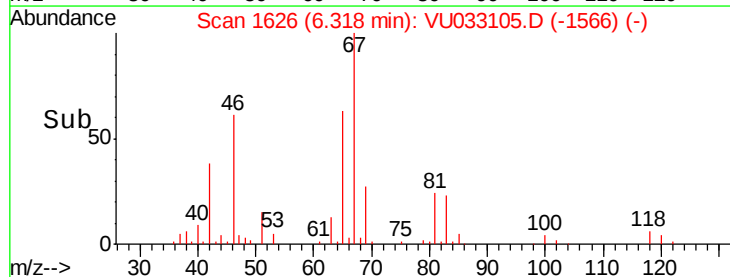
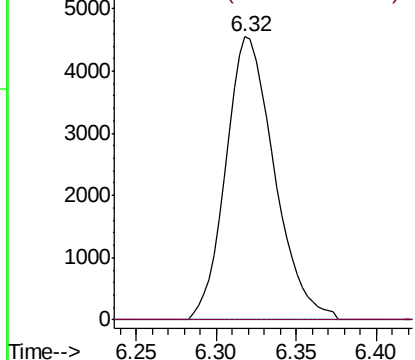


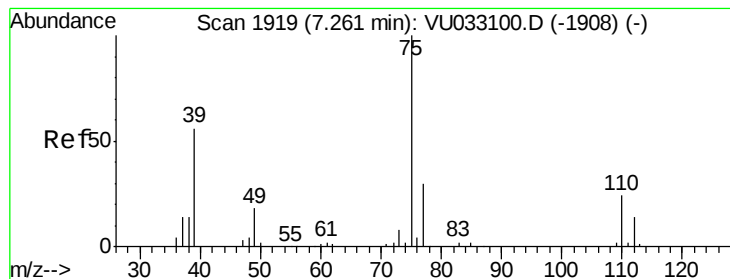
#37
1,2-Dichloropropane
Concen: 4.986 ug/L
RT: 6.32 min Scan# 1626
Delta R.T. -0.11 min
Lab File: VU033105.D
Acq: 01 Jul 2019 11:17

Tgt Ion: 63 Resp: 9453
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



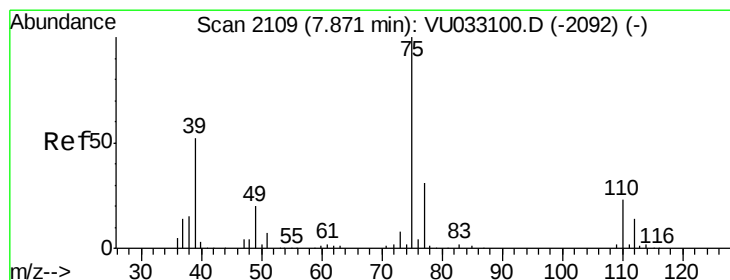
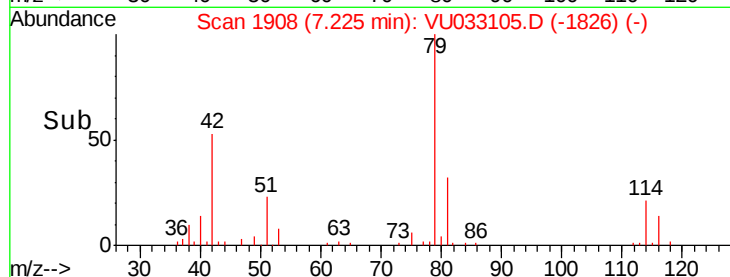
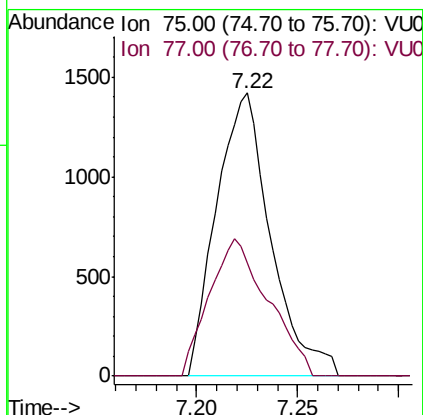
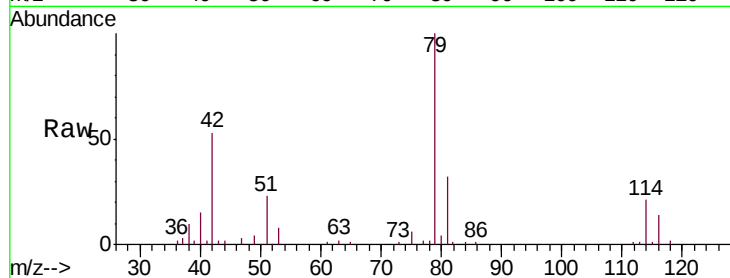


#39

cis-1,3-Dichloropropene
Concen: 0.901 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU033105.D
Acq: 01 Jul 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
GAM24

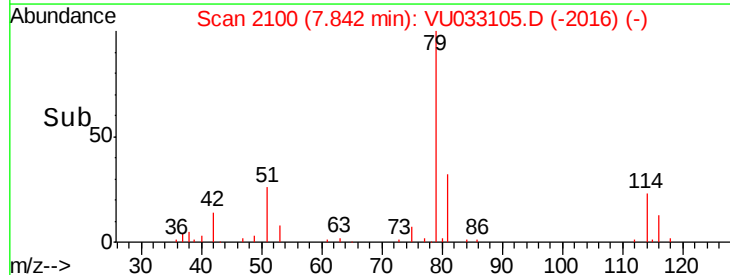
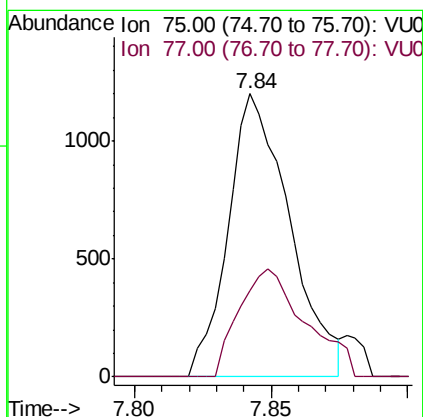
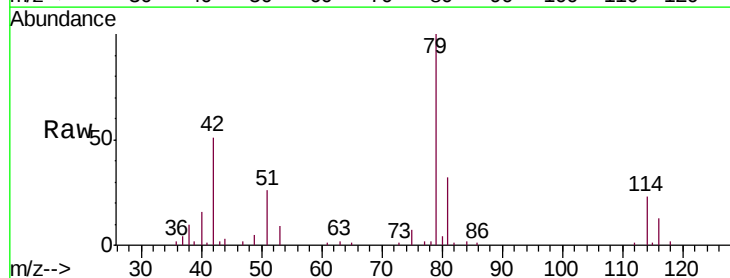
Tgt Ion: 75 Resp: 2662
Ion Ratio Lower Upper
75 100
77 39.9 21.9 40.7

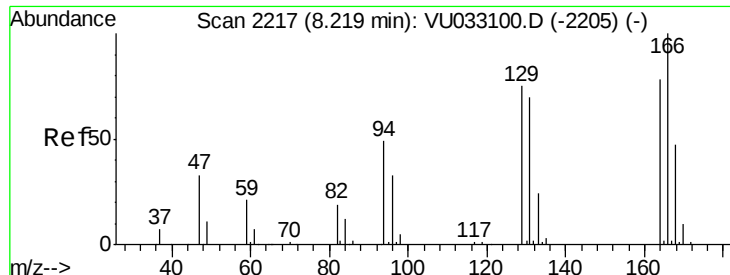


#44

trans-1,3-Dichloropropene
Concen: 0.679 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU033105.D
Acq: 01 Jul 2019 11:17

Tgt Ion: 75 Resp: 1884
Ion Ratio Lower Upper
75 100
77 30.3 21.8 40.4





#46

Tetrachloroethene

Concen: 9.921 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033105.D

Acq: 01 Jul 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

GAM24

Tgt Ion:164 Resp: 15013

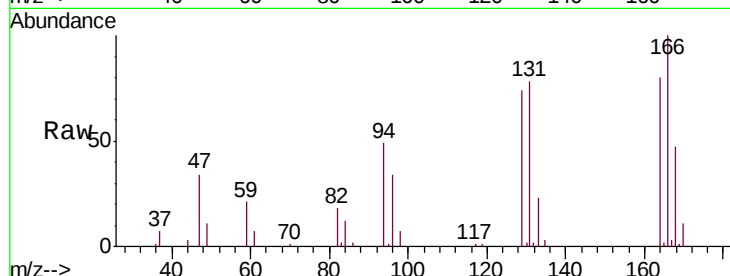
Ion Ratio Lower Upper

164 100

129 92.8 64.8 120.3

131 97.8 64.5 119.7

166 125.0 91.3 169.6

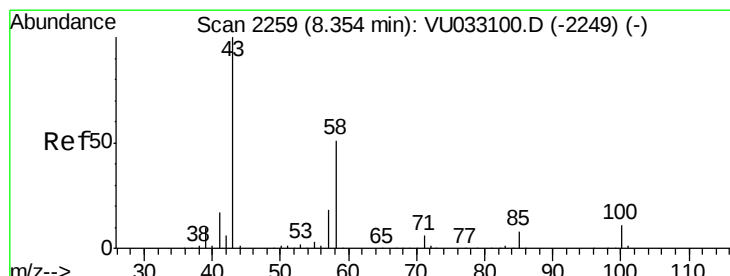
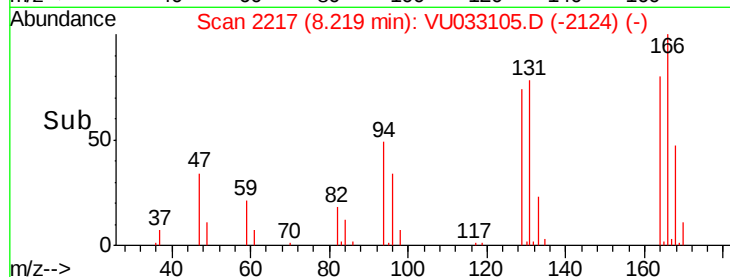
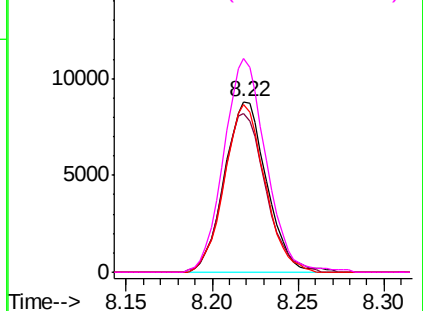


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 3.860 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.03 min

Lab File: VU033105.D

Acq: 01 Jul 2019 11:17

Tgt Ion: 43 Resp: 10309

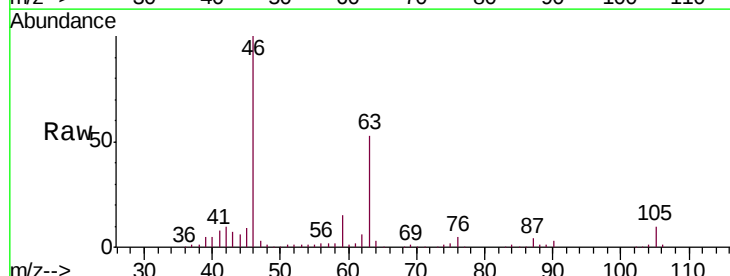
Ion Ratio Lower Upper

43 100

58 27.7 40.2 60.2#

57 27.2 14.2 21.4#

100 0.0 8.4 12.6#

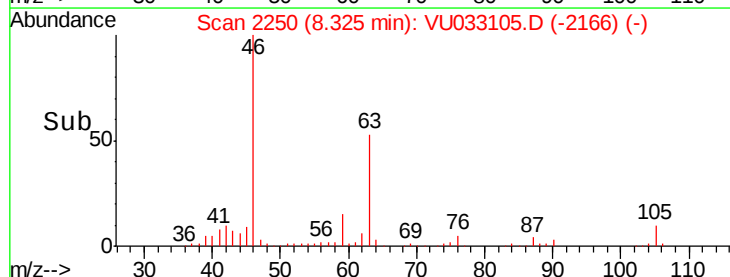
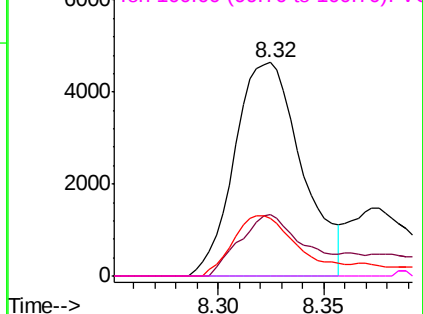


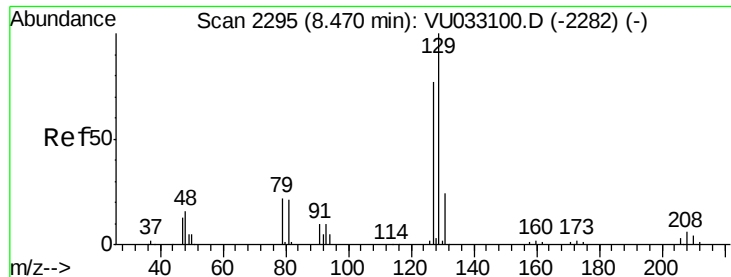
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 6.613 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU033105.D

Acq: 01 Jul 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

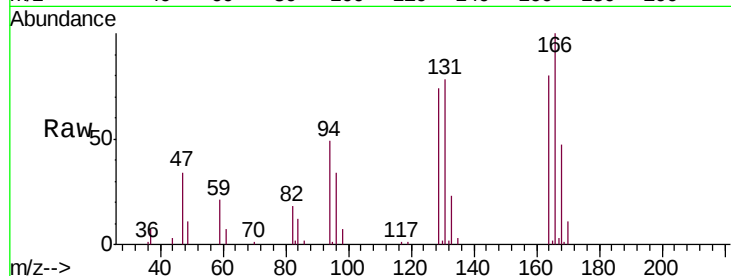
GAM24

Tgt Ion:129 Resp: 14069

Ion Ratio Lower Upper

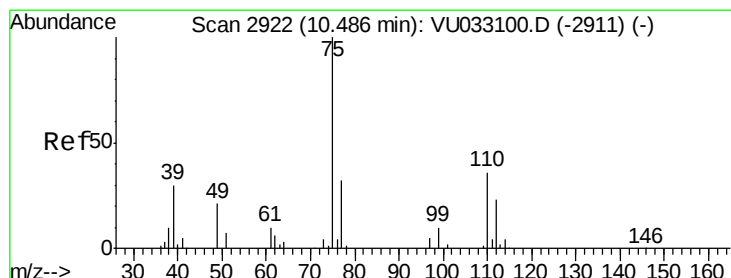
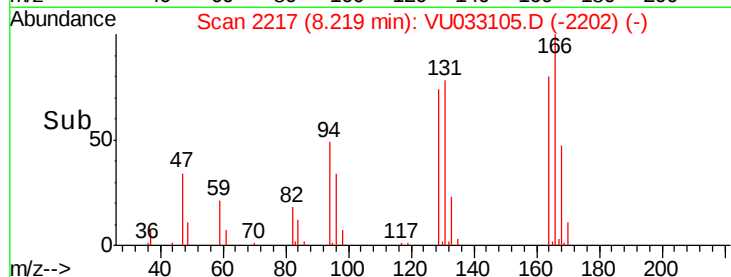
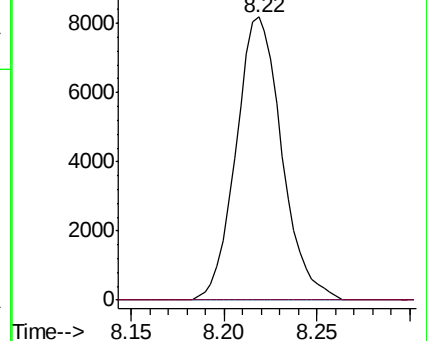
129 100

127 0.0 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.018 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033105.D

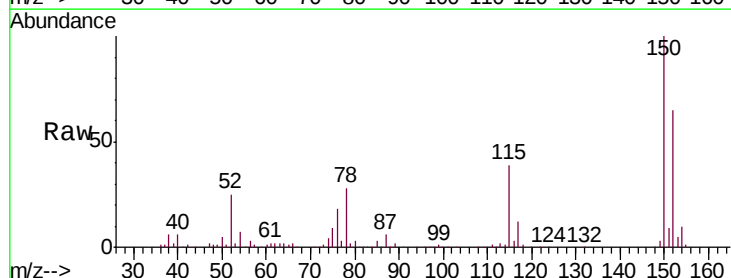
Acq: 01 Jul 2019 11:17

Tgt Ion: 75 Resp: 15227

Ion Ratio Lower Upper

75 100

77 39.7 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

