

Data File : VU029744.D
Acq On : 28 Feb 2019 17:39
Operator : JC/SP
Sample : K1577-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJZ3

Quant Time: Mar 01 00:25:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	252040	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	245099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121304	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67947	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.68	69	66462	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.27	63	111754	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.19	46	213405	57.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.68%
24) Chloroform-d	4.65	84	143703	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	78395	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.34	84	307212	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	96233	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.56	98	275591	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.85	79	34682	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.31	63	203420	55.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	83127	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	116498	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	2338	0.138 ug/L	99
5) Vinyl chloride	1.40	62	2962	0.138 ug/L #	1
8) Chloroethane	1.70	64	2249	0.161 ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1026	0.052 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	7995	0.428 ug/L #	1
13) Acetone	2.32	43	7872	2.944 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	4866	0.239 ug/L	96
19) 1,1-Dichloroethane	3.44	63	1995	0.063 ug/L #	78
22) cis-1,2-Dichloroethene	4.22	96	361191	19.383 ug/L	97
25) Chloroform	4.67	83	5094	0.161 ug/L	99
34) Trichloroethene	6.18	95	308914	17.084 ug/L	97
35) Methylcyclohexane	6.33	83	22844	0.779 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	10148	0.622 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2155	0.090 ug/L #	75
42) Toluene	7.63	91	90755	1.235 ug/L	97
47) Tetrachloroethene	8.22	164	3366	0.200 ug/L	88
48) 2-Hexanone	8.31	43	21503	3.206 ug/L #	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

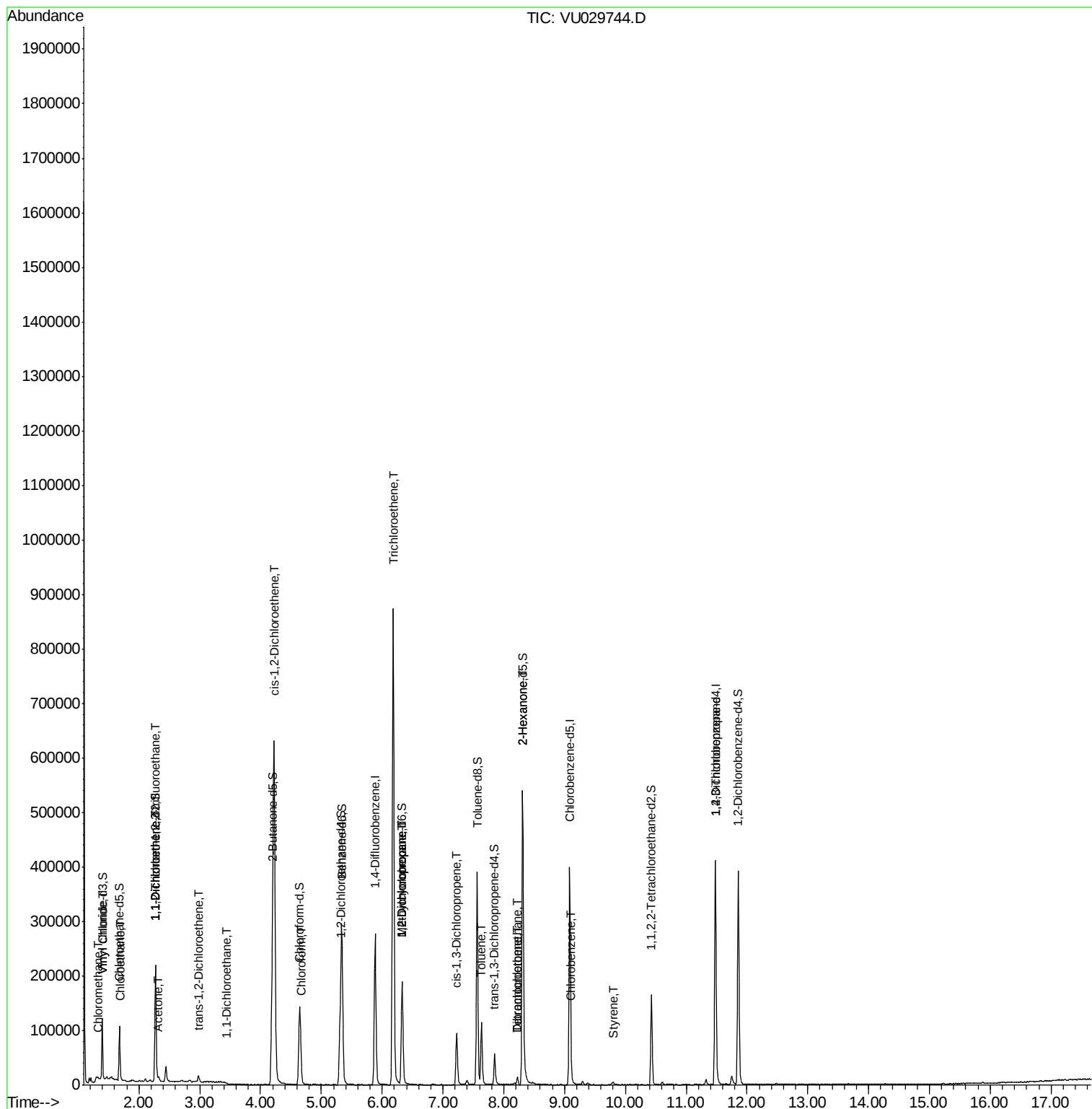
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	3143	0.203	ug/L #	12
51) Chlorobenzene	9.12	112	3605	0.071	ug/L	92
55) Styrene	9.79	104	2589	0.049	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	13420	1.232	ug/L	97

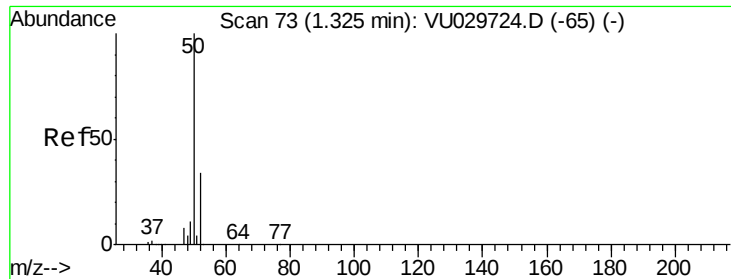
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.138 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

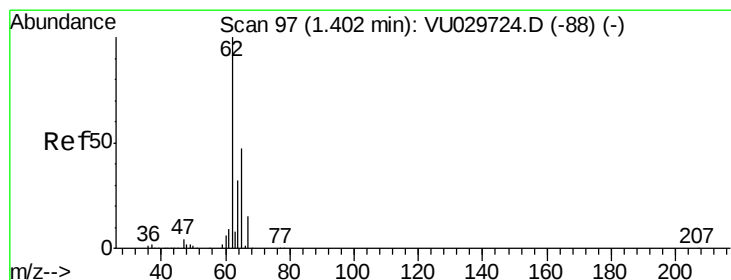
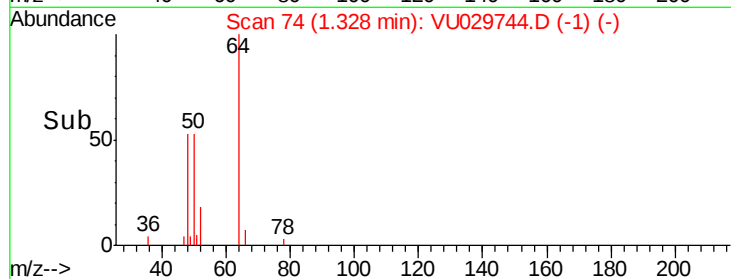
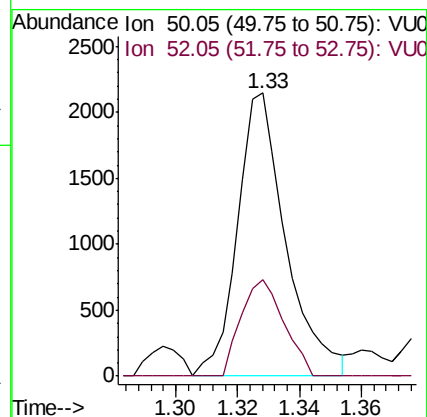
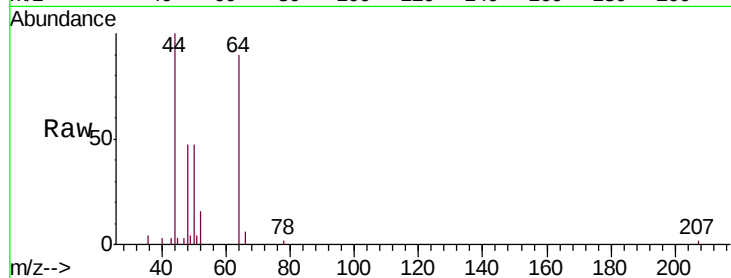
CWJZ3

Tgt Ion: 50 Resp: 2338

Ion Ratio Lower Upper

50 100

52 34.3 23.5 43.7



#5

Vinyl chloride

Concen: 0.138 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029744.D

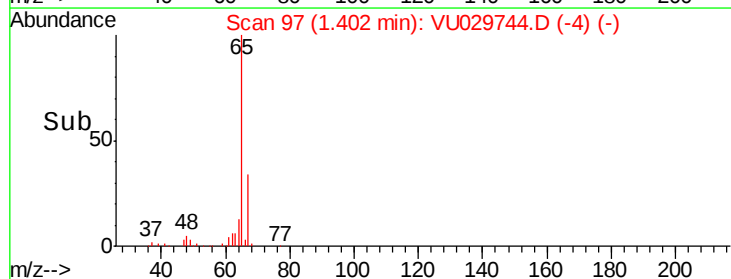
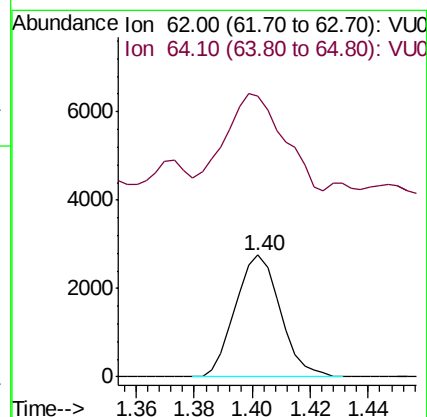
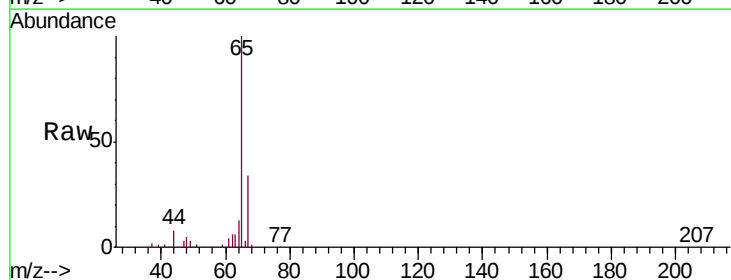
Acq: 28 Feb 2019 17:39

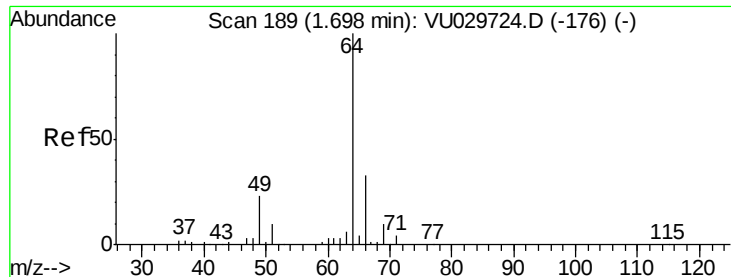
Tgt Ion: 62 Resp: 2962

Ion Ratio Lower Upper

62 100

64 230.4 24.8 46.1#





#8

Chloroethane

Concen: 0.161 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampled :

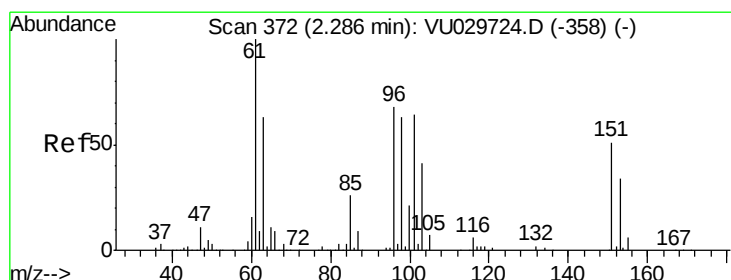
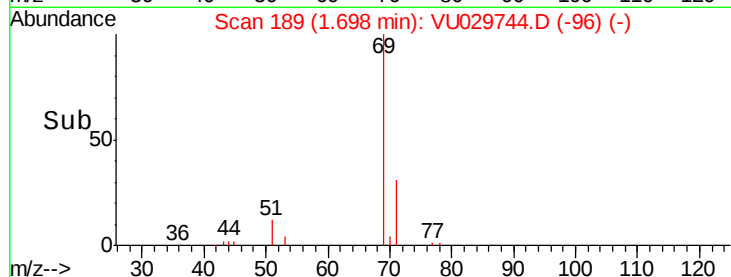
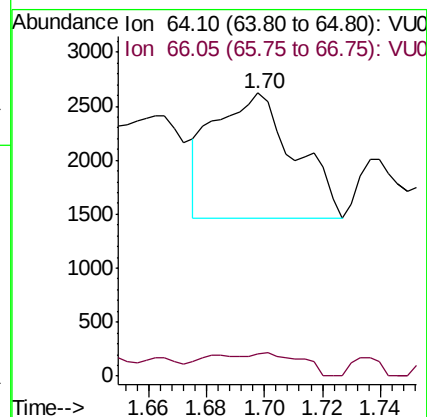
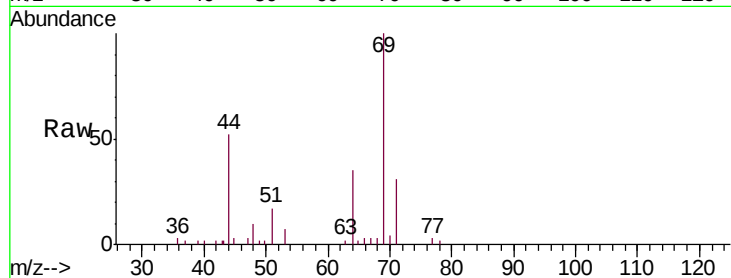
CWJZ3

Tgt Ion: 64 Resp: 2249

Ion Ratio Lower Upper

64 100

66 7.7 21.4 39.8#



#10

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

Concen: 0.052 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

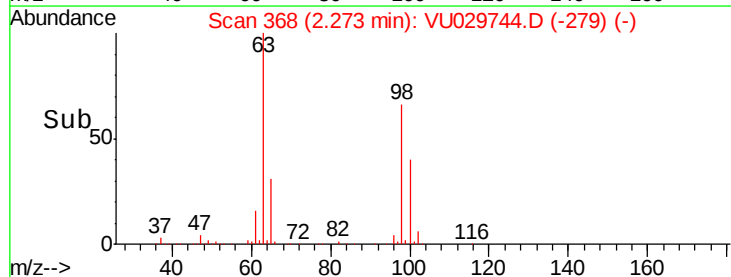
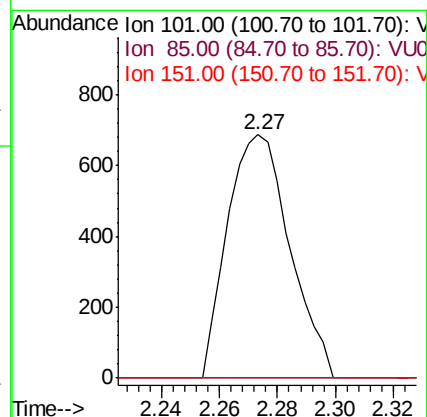
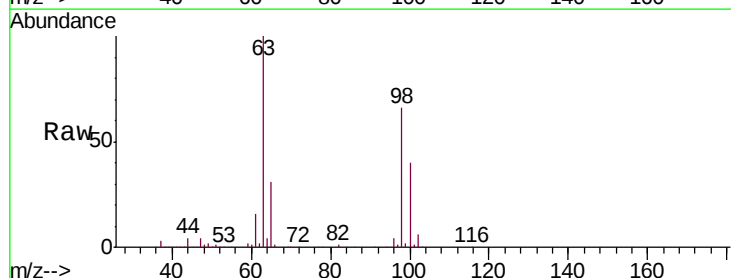
Tgt Ion: 101 Resp: 1026

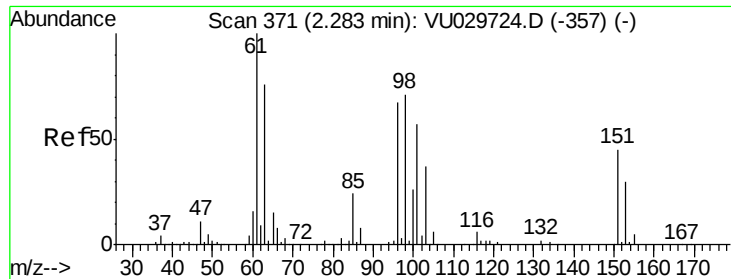
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#

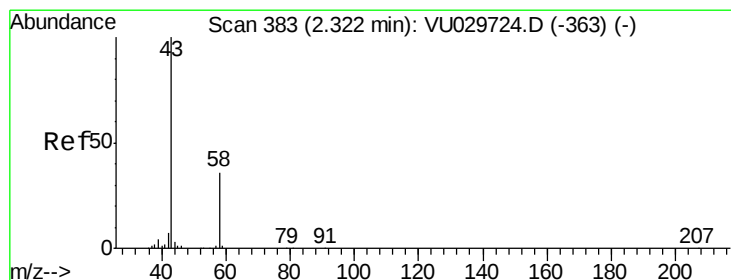
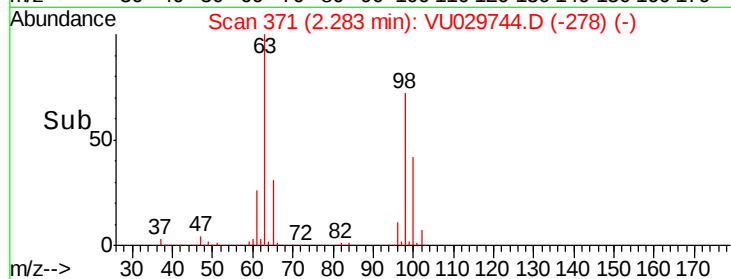
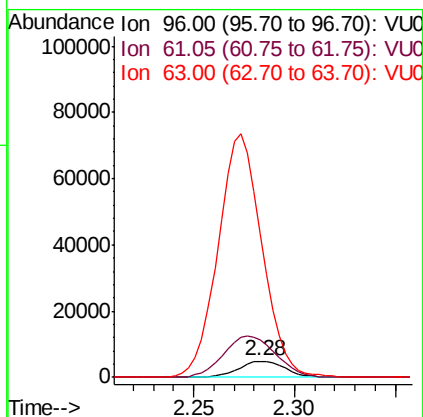
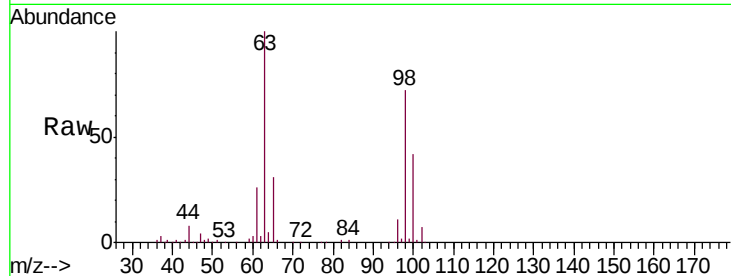




#12
 1,1-Dichloroethene
 Concen: 0.428 ug/L
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

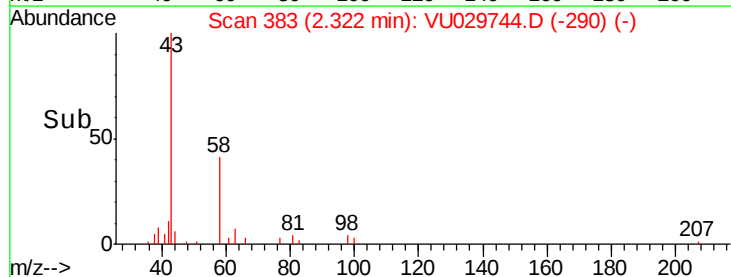
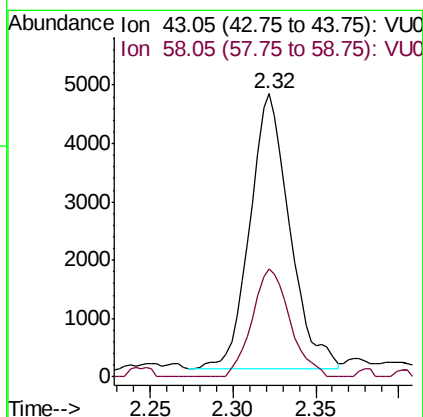
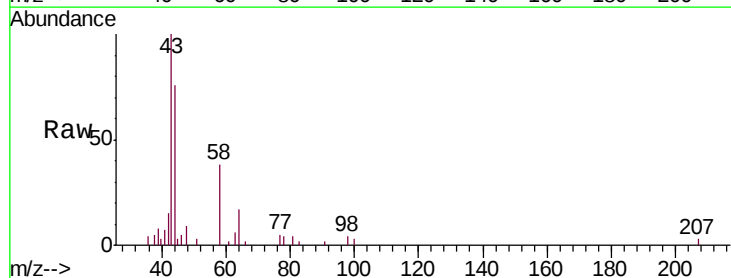
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJZ3

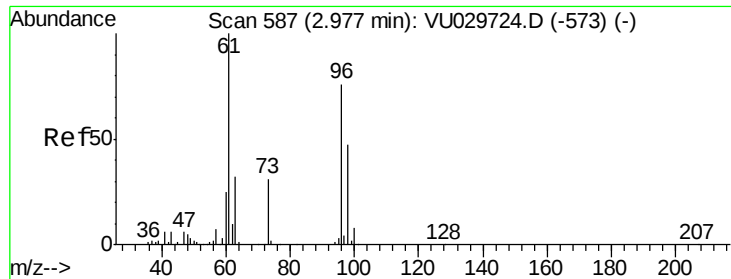
Tgt Ion: 96 Resp: 7995
 Ion Ratio Lower Upper
 96 100
 61 227.5 111.3 206.7#
 63 873.1 88.5 164.3#



#13
 Acetone
 Concen: 2.944 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

Tgt Ion: 43 Resp: 7872
 Ion Ratio Lower Upper
 43 100
 58 37.4 0.0 70.2





#18

trans-1,2-Dichloroethene

Concen: 0.239 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

CWJZ3

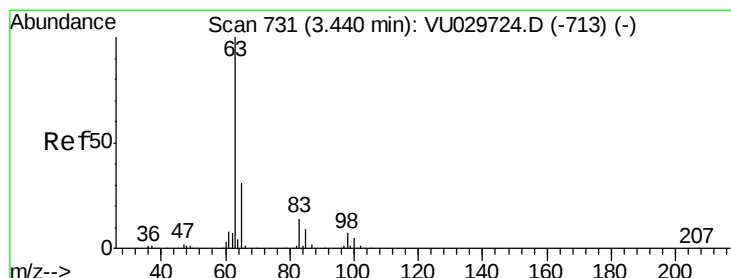
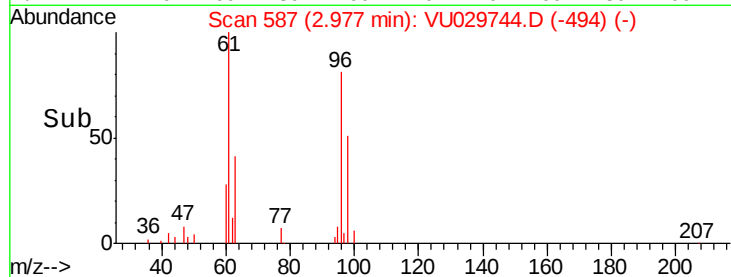
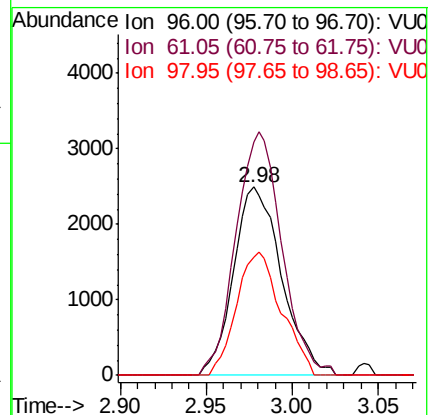
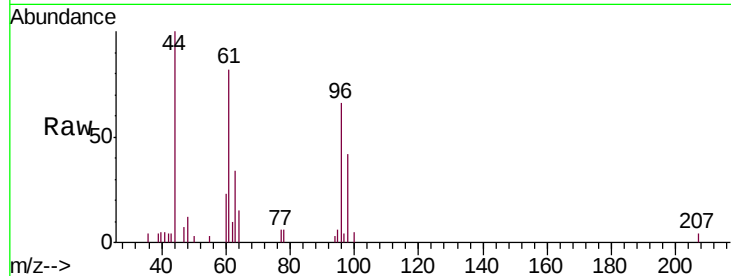
Tgt Ion: 96 Resp: 4866

Ion Ratio Lower Upper

96 100

61 123.7 90.3 167.7

98 62.9 45.2 84.0



#19

1,1-Dichloroethane

Concen: 0.063 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

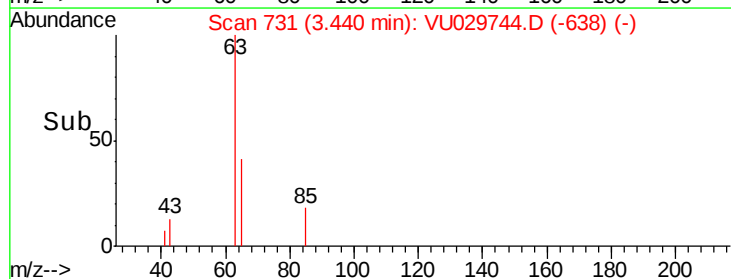
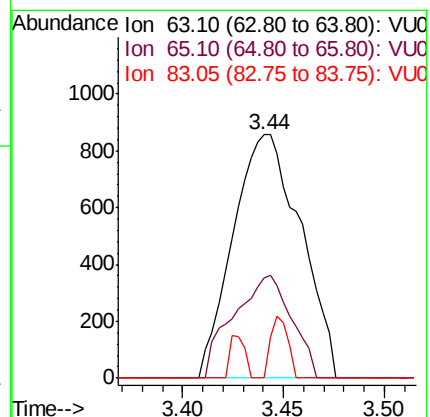
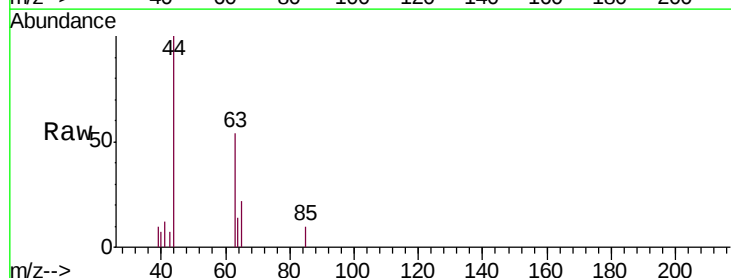
Tgt Ion: 63 Resp: 1995

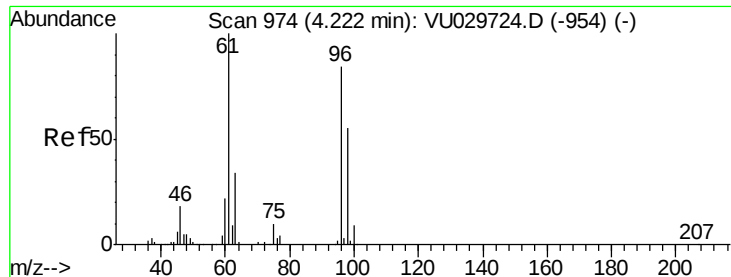
Ion Ratio Lower Upper

63 100

65 41.3 22.3 41.5

83 0.0 9.9 18.5#



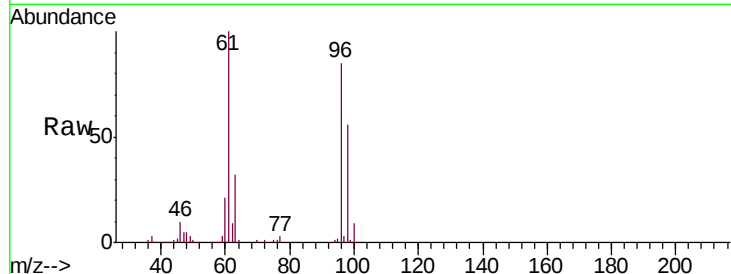


#22

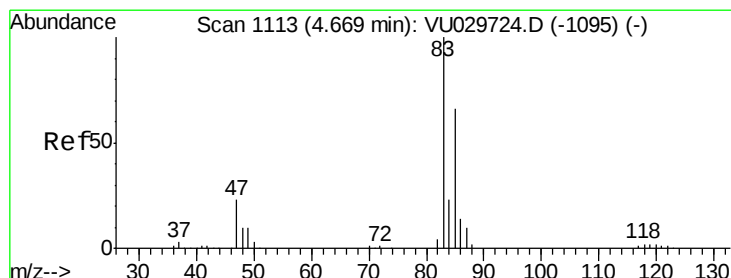
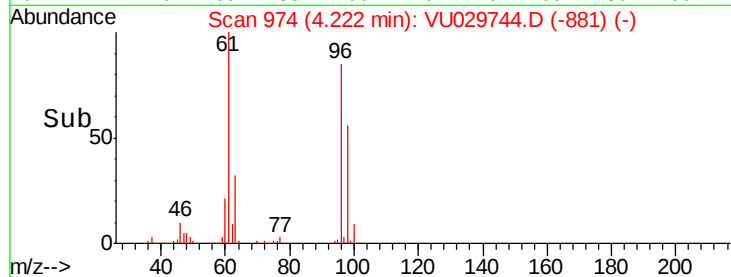
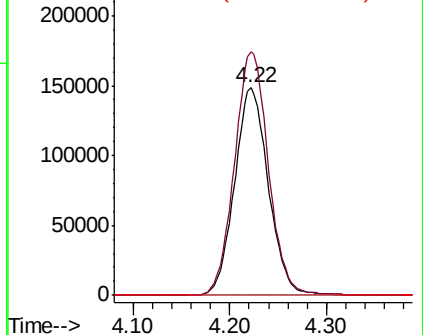
cis-1,2-Dichloroethene
 Concen: 19.383 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJZ3

Tgt Ion: 96 Resp: 361191
 Ion Ratio Lower Upper
 96 100
 61 117.3 80.2 149.0
 68 0.0 0.0 0.0



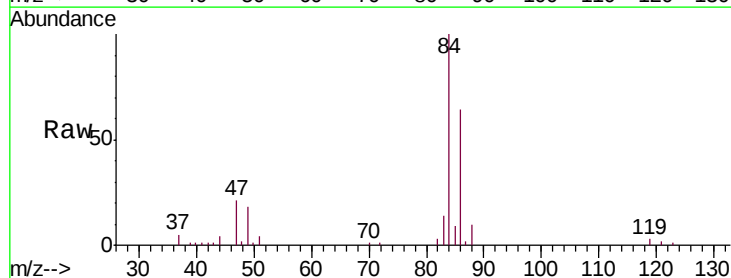
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



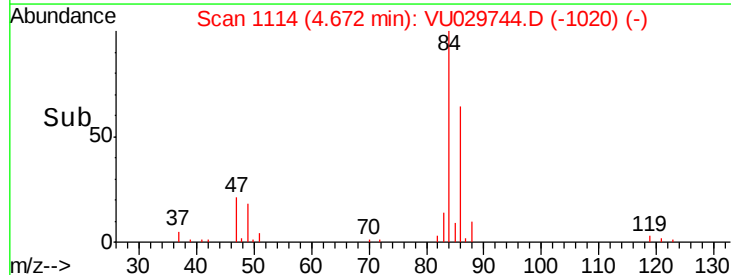
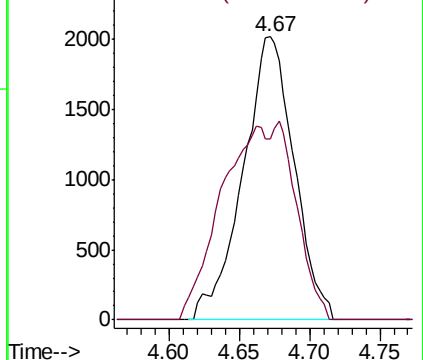
#25

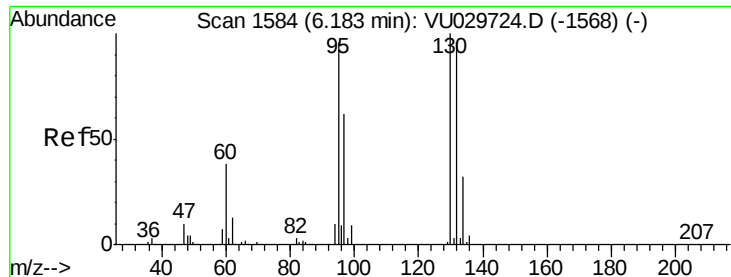
Chloroform
 Concen: 0.161 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

Tgt Ion: 83 Resp: 5094
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 17.084 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

CWJZ3

Tgt Ion: 95 Resp: 308914

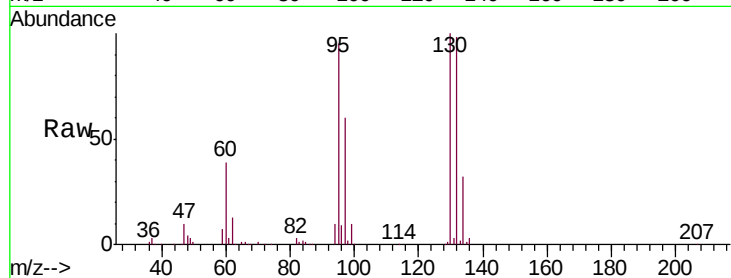
Ion Ratio Lower Upper

95 100

97 63.1 45.6 84.8

132 102.5 72.9 135.3

130 104.8 77.5 143.9

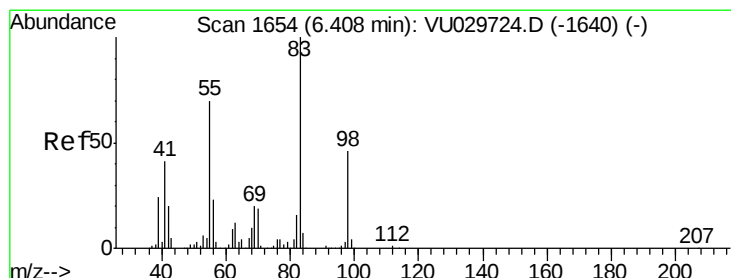
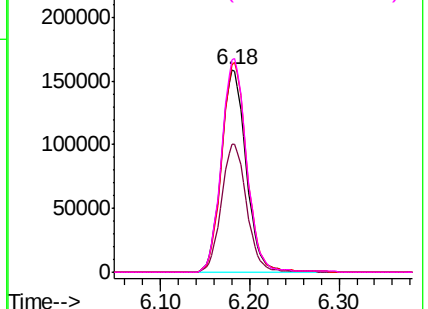
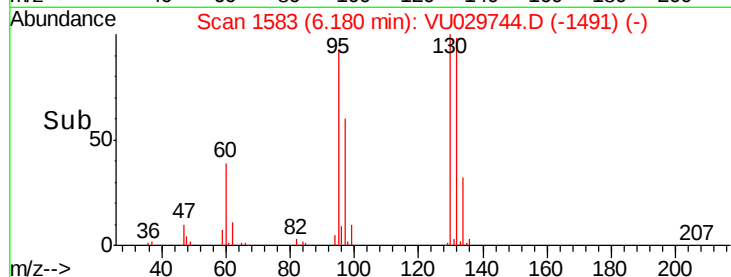


Abundance Ion 95.00 (94.70 to 95.70): VU029724.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU029724.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU029724.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU029724.D (-1568) (-)



#35

Methylcyclohexane

Concen: 0.779 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

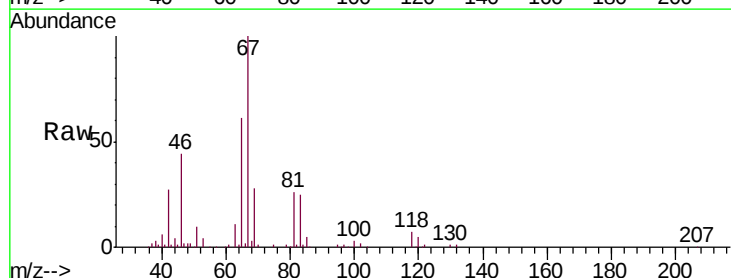
Tgt Ion: 83 Resp: 22844

Ion Ratio Lower Upper

83 100

55 0.9 56.5 84.7#

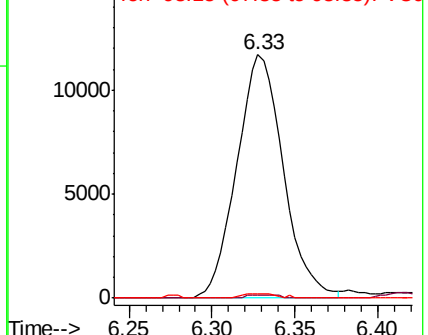
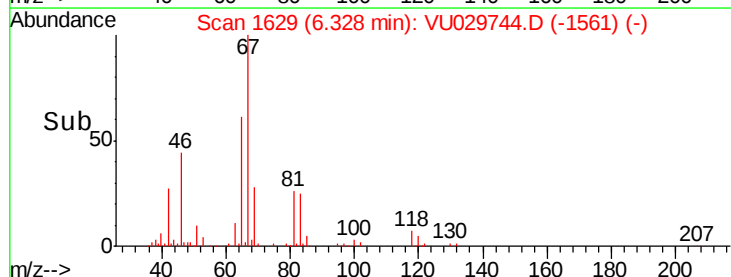
98 1.4 39.4 59.2#

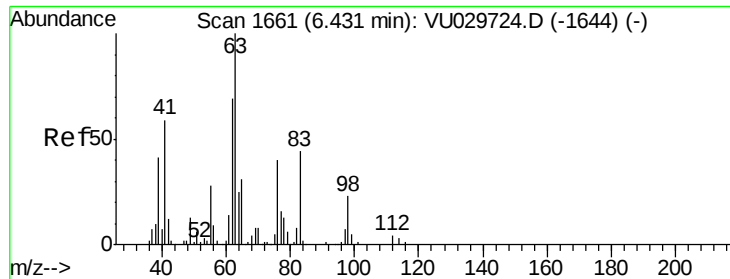


Abundance Ion 83.15 (82.85 to 83.85): VU029724.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029724.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029724.D (-1640) (-)

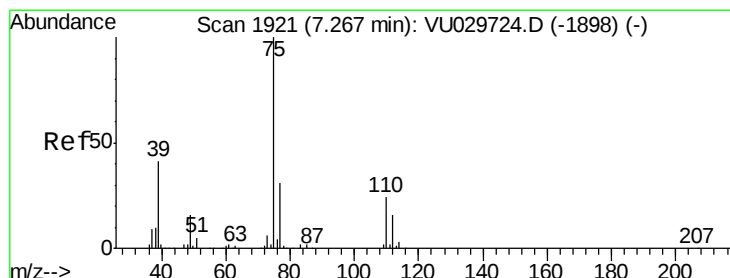
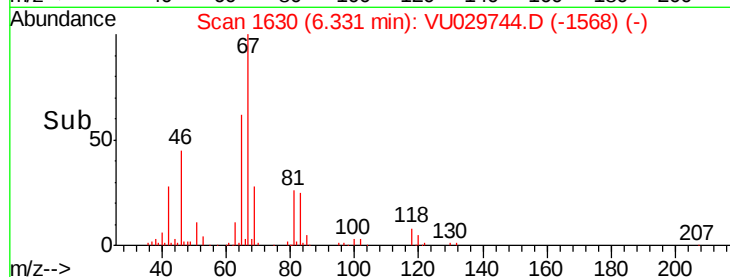
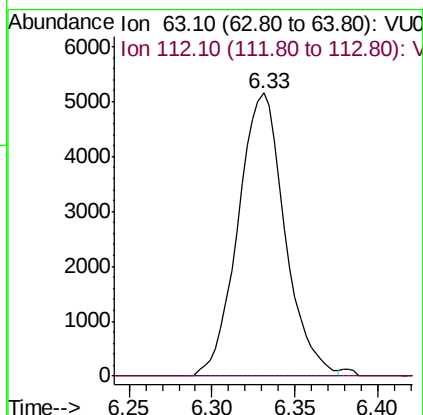
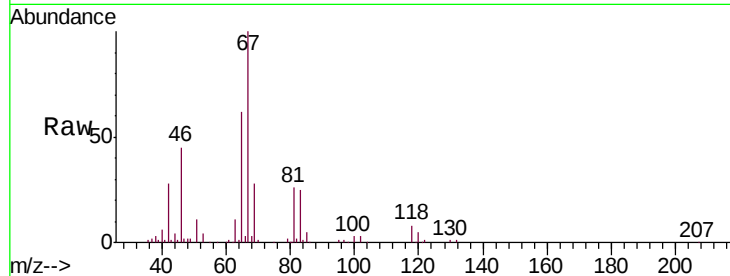




#37
 1,2-Dichloropropane
 Concen: 0.622 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

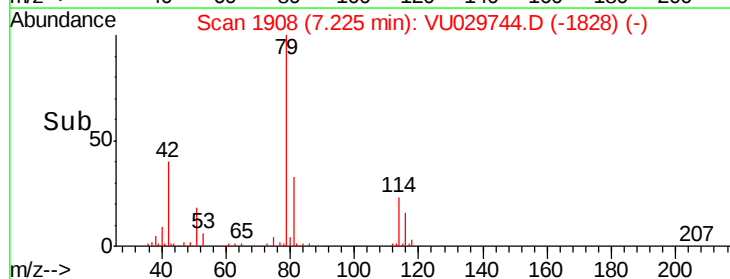
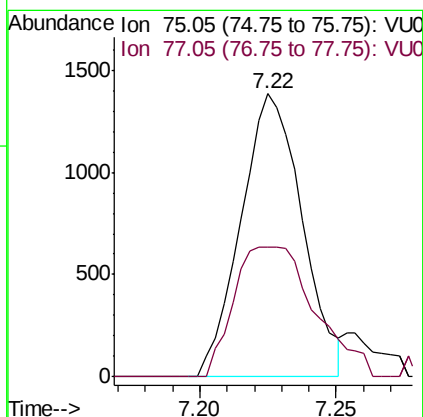
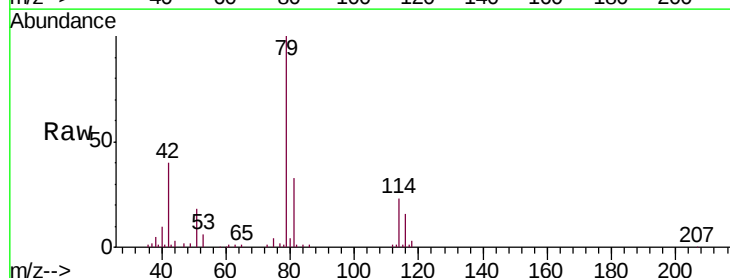
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJZ3

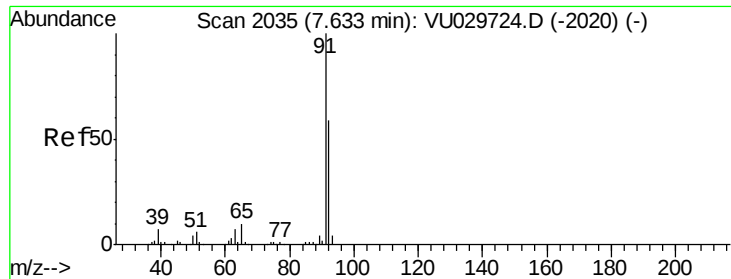
Tgt Ion: 63 Resp: 10148
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029744.D
 Acq: 28 Feb 2019 17:39

Tgt Ion: 75 Resp: 2155
 Ion Ratio Lower Upper
 75 100
 77 46.0 22.3 41.5#





#42

Toluene

Concen: 1.235 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampled :

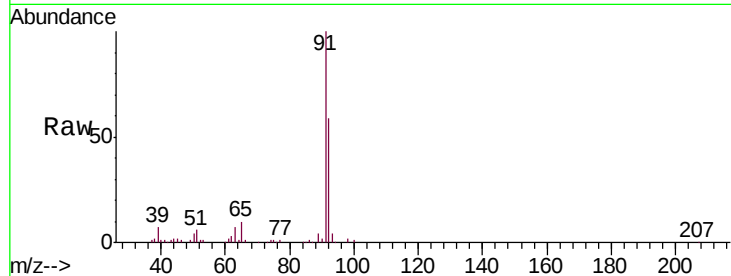
CWJZ3

Tgt Ion: 91 Resp: 90755

Ion Ratio Lower Upper

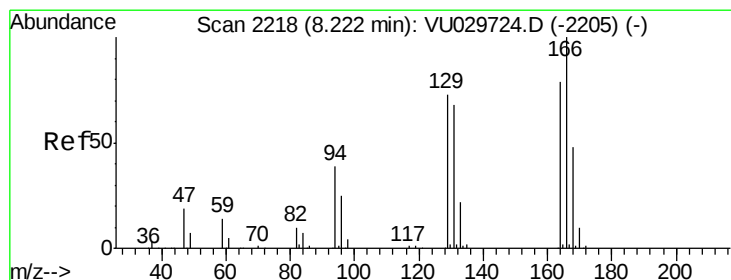
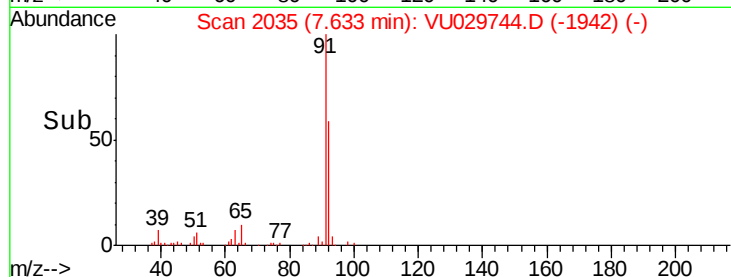
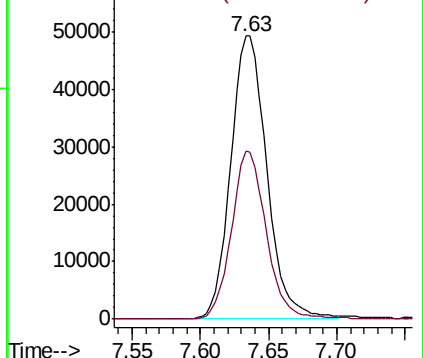
91 100

92 59.5 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#47

Tetrachloroethene

Concen: 0.200 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Tgt Ion: 164 Resp: 3366

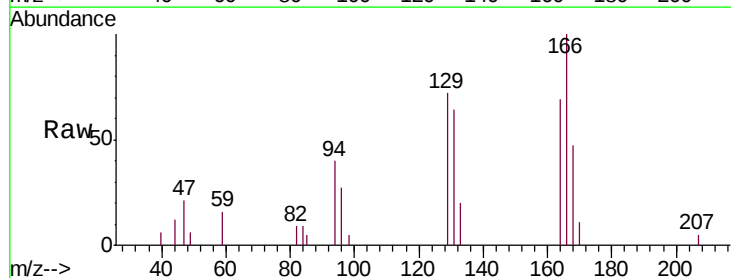
Ion Ratio Lower Upper

164 100

129 103.9 62.9 116.7

131 92.5 61.8 114.8

166 144.0 88.8 164.8

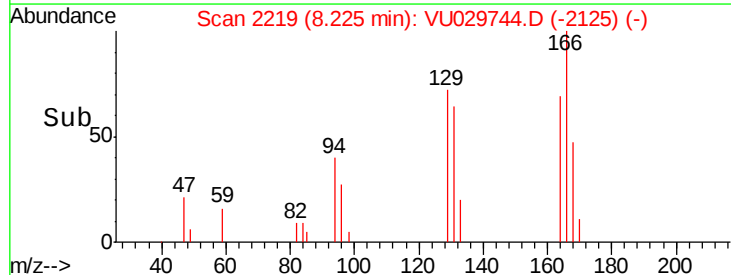
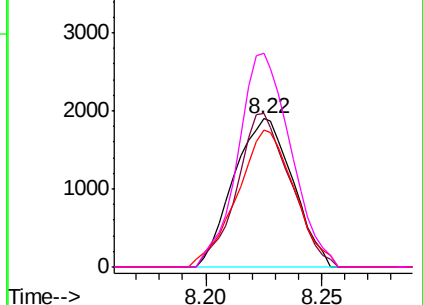


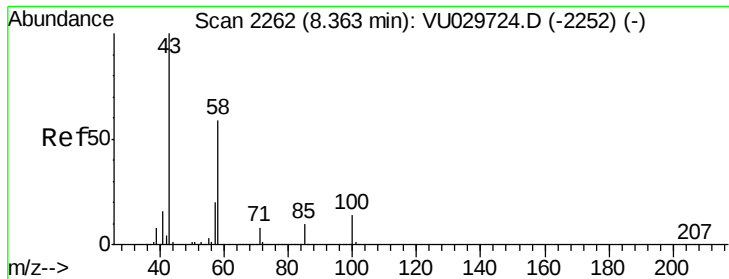
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

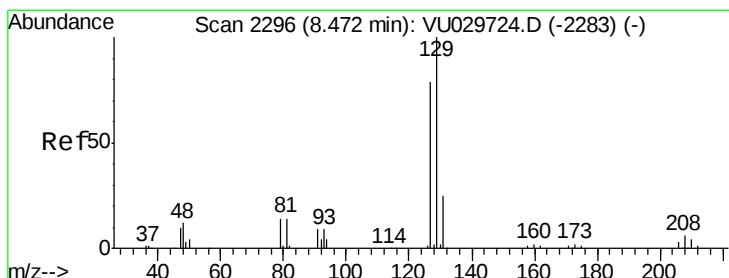
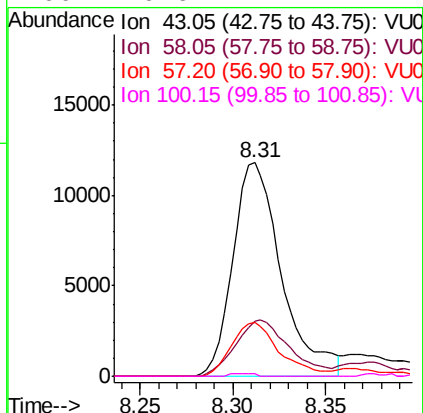
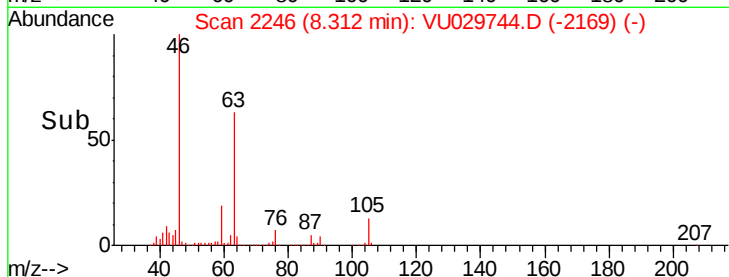
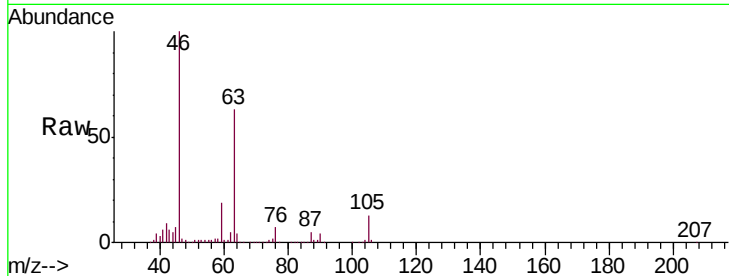




#48
2-Hexanone
Concen: 3.206 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029744.D
Acq: 28 Feb 2019 17:39

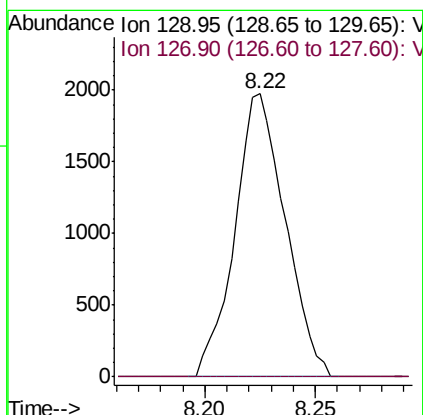
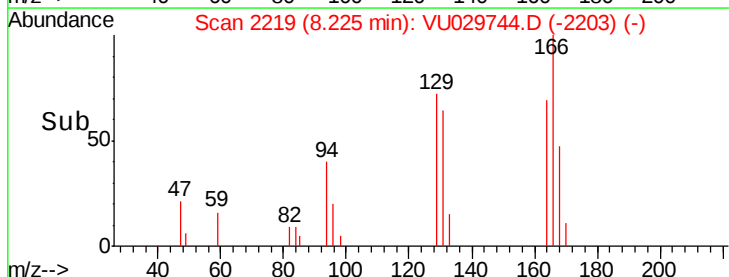
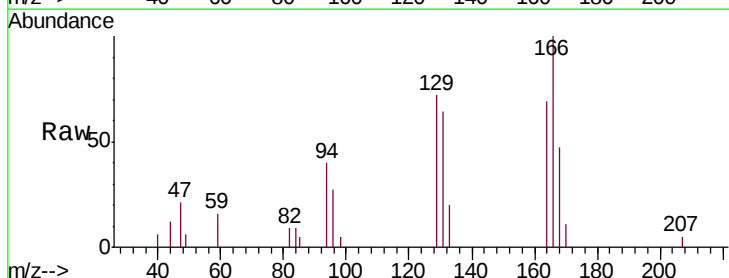
Instrument :
MSVOA_U
ClientSampleId :
CWJZ3

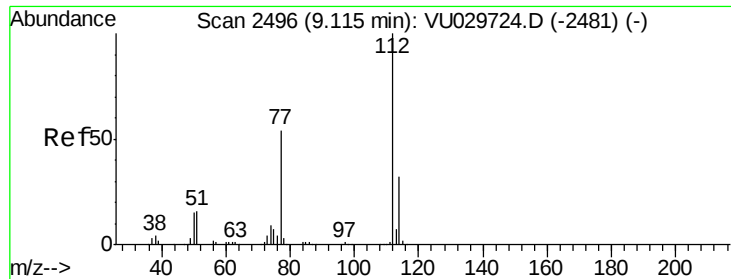
Tgt Ion: 43 Resp: 21503
Ion Ratio Lower Upper
43 100
58 29.5 46.6 69.8#
57 24.9 15.9 23.9#
100 0.6 11.4 17.2#



#49
Dibromochloromethane
Concen: 0.203 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029744.D
Acq: 28 Feb 2019 17:39

Tgt Ion: 129 Resp: 3143
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

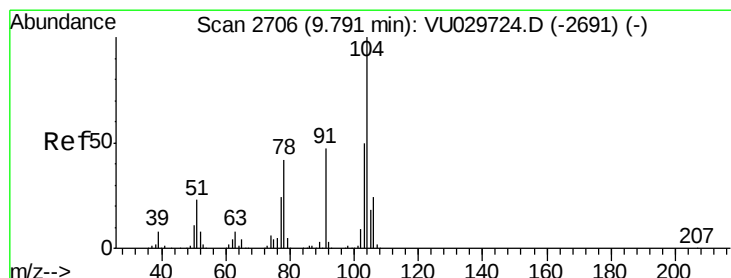
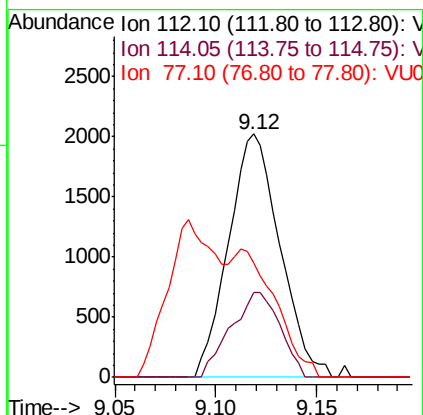
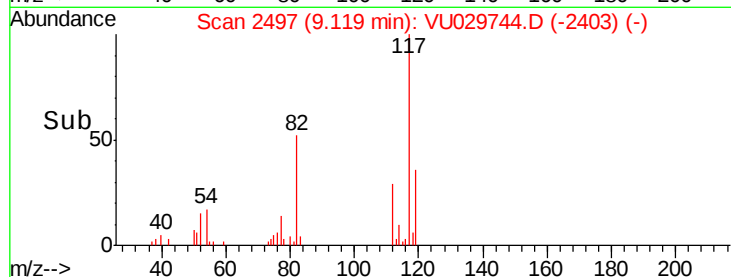
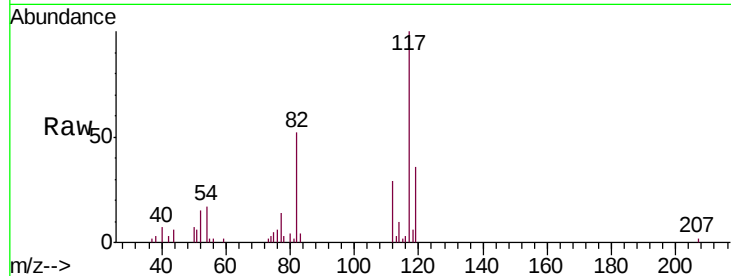




#51
Chlorobenzene
Concen: 0.071 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029744.D
Acq: 28 Feb 2019 17:39

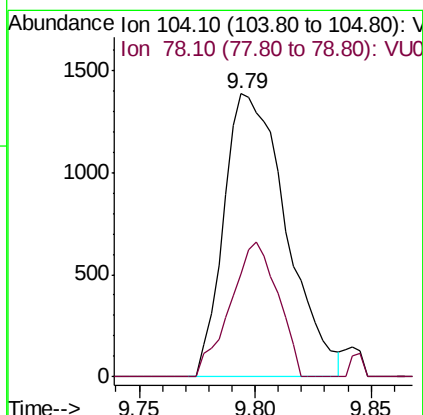
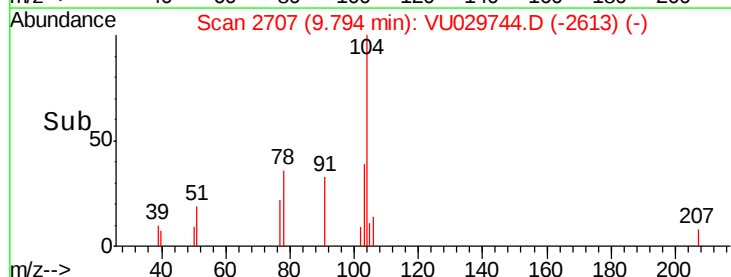
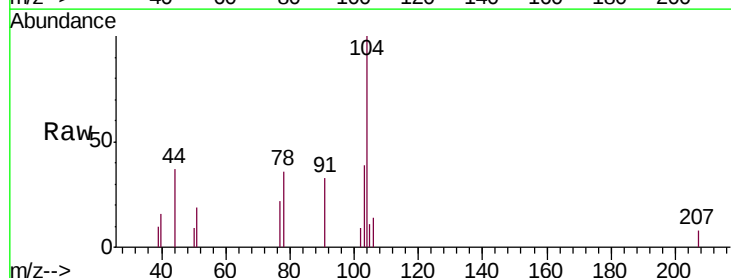
Instrument :
MSVOA_U
ClientSampleId :
CWJZ3

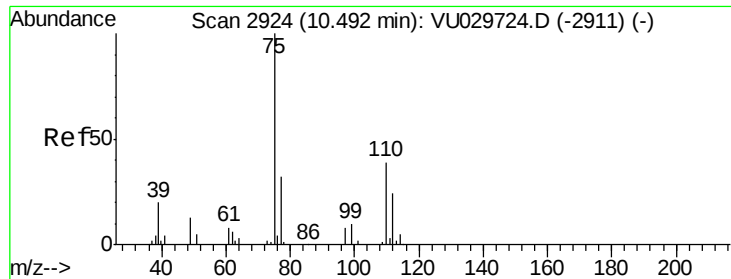
Tgt Ion:112 Resp: 3605
Ion Ratio Lower Upper
112 100
114 34.9 22.3 41.3
77 47.2 42.7 64.1



#55
Styrene
Concen: 0.049 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029744.D
Acq: 28 Feb 2019 17:39

Tgt Ion:104 Resp: 2589
Ion Ratio Lower Upper
104 100
78 36.4 29.2 54.2





#59

1,2,3-Trichloropropane

Concen: 1.232 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029744.D

Acq: 28 Feb 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

CWJZ3

Tgt Ion: 75 Resp: 13420

Ion Ratio Lower Upper

75 100

77 33.8 25.6 38.4

