

Data File : VU029553.D
Acq On : 19 Feb 2019 14:29
Operator : JC/SP
Sample : K1489-06DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG3DL

Quant Time: Feb 20 00:11:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222813	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	214153	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88196	5.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.80%
7) Chloroethane-d5	1.68	69	56279	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.27	63	105924	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.21	46	185032	59.45	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.90%
24) Chloroform-d	4.64	84	85800	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.00%
26) 1,2-Dichloroethane-d4	5.31	65	60229	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.34	84	231676	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	73124	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.56	98	224355	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.85	79	28558	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	160542	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	64640	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	97786	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
3) Chloromethane	1.40	50	20923	1.136 ug/L #	44
5) Vinyl chloride	1.40	62	3662965	170.702 ug/L	99
6) Bromomethane	1.63	94	1096	0.088 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1893	0.098 ug/L #	54
12) 1,1-Dichloroethene	2.28	96	24714	1.348 ug/L #	39
13) Acetone	2.32	43	1558	0.551 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	2752	0.060 ug/L #	75
18) trans-1,2-Dichloroethene	2.98	96	89140	4.559 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	13787167	766.556 ug/L	97
25) Chloroform	4.67	83	27049	0.918 ug/L	95
34) Trichloroethene	6.18	95	10618	0.599 ug/L	98
35) Methylcyclohexane	6.33	83	16820	0.564 ug/L #	21
37) 1,2-Dichloropropane	6.32	63	7937	0.503 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2141	0.086 ug/L #	52
42) Toluene	7.64	91	2551	0.036 ug/L	86
47) Tetrachloroethene	8.22	164	9333	0.575 ug/L	98
49) Dibromochloromethane	8.22	129	8557	0.525 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021919\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11515	1.137	ug/L	94

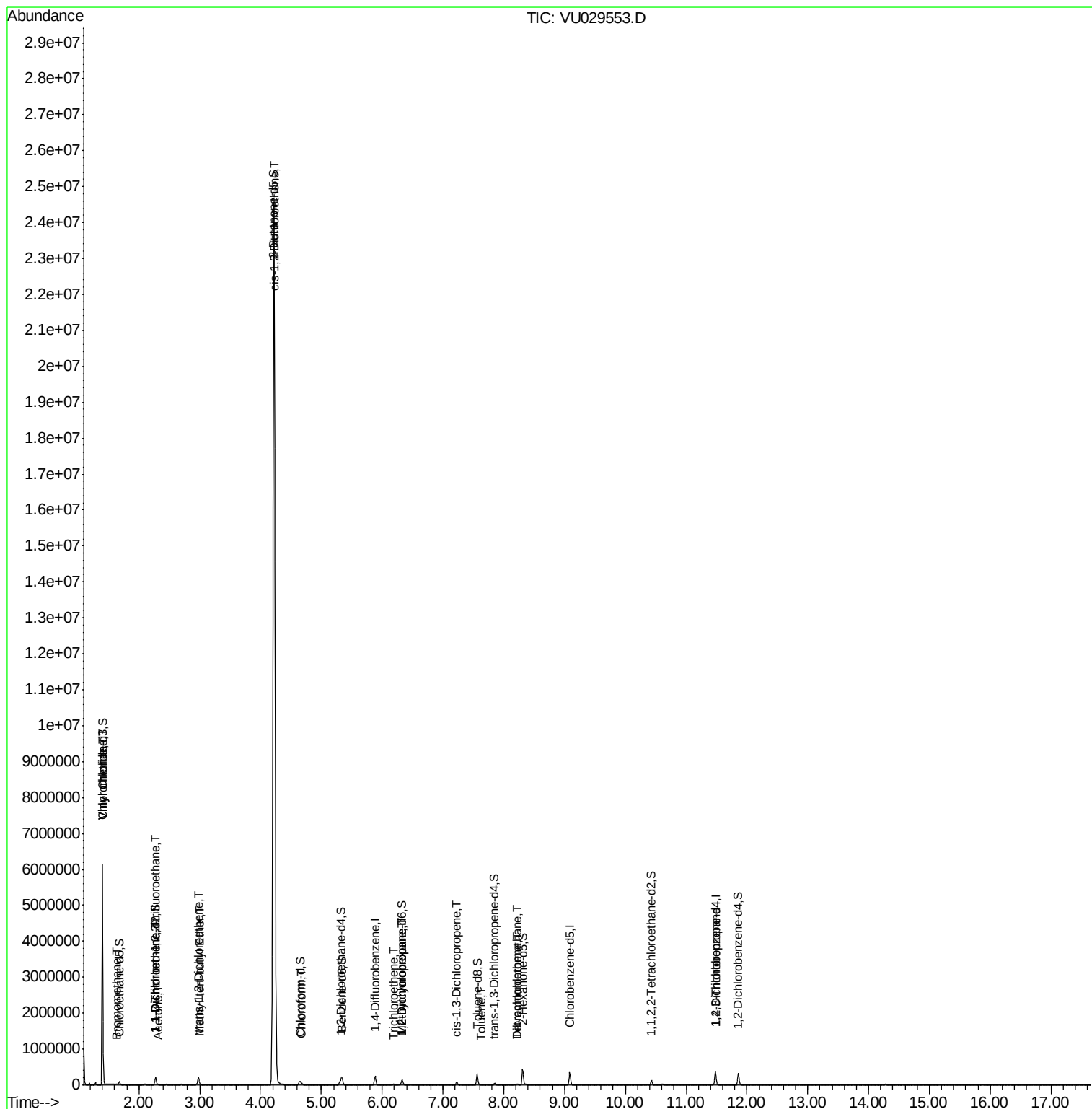
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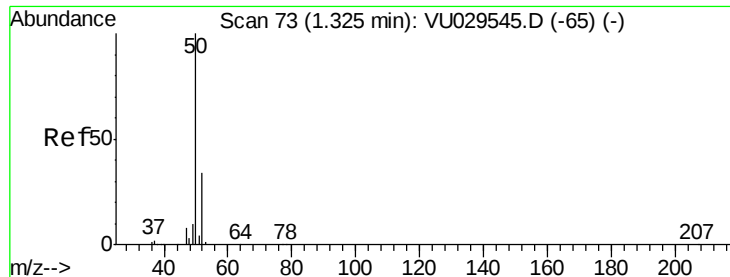
Data File : VU029553.D

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#3

Chloromethane

Concen: 1.136 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.08 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

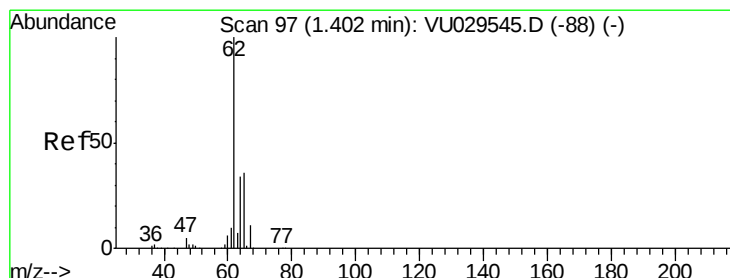
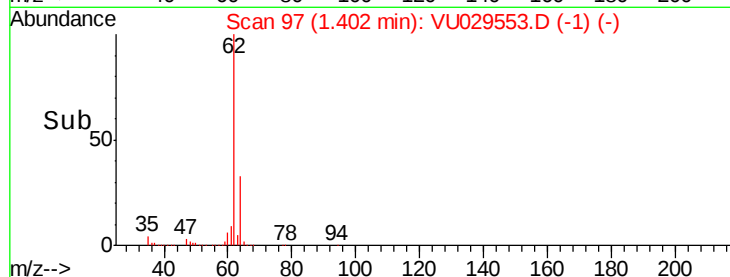
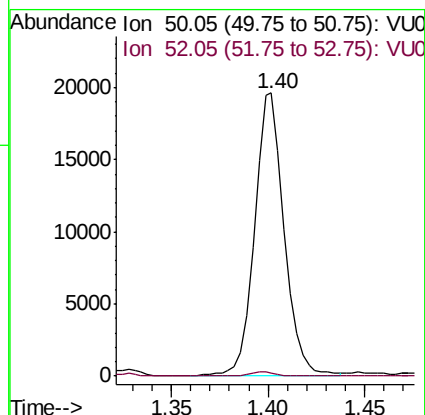
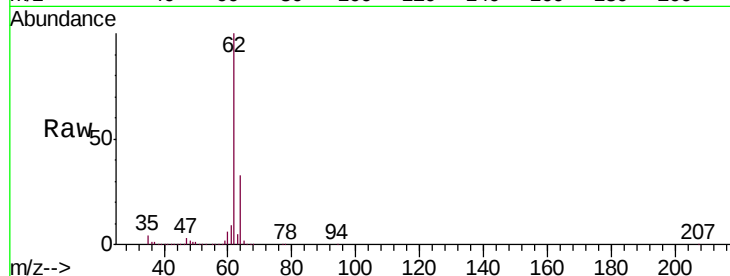
ESXG3DL

Tgt Ion: 50 Resp: 20923

Ion Ratio Lower Upper

50 100

52 1.2 23.1 42.9#



#5

Vinyl chloride

Concen: 170.702 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029553.D

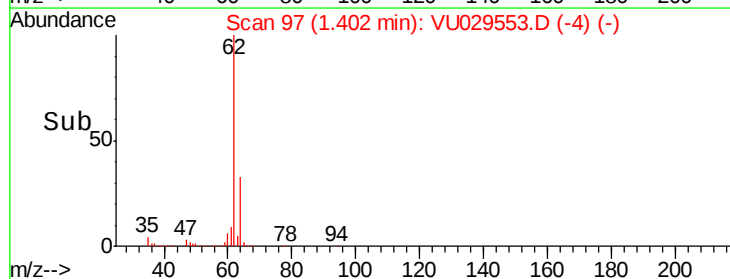
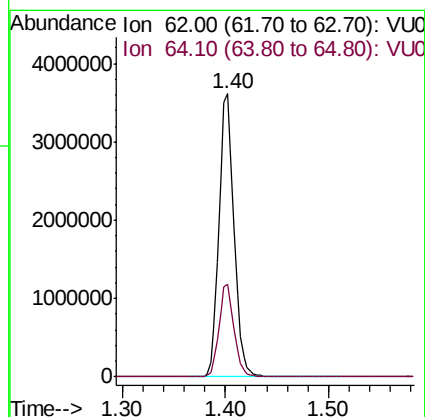
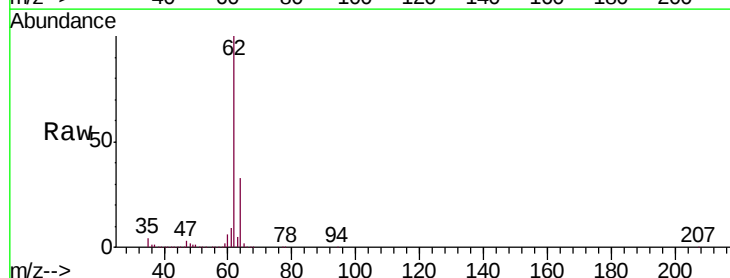
Acq: 19 Feb 2019 14:29

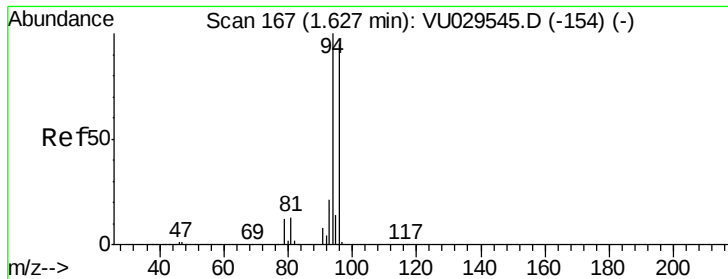
Tgt Ion: 62 Resp: 3662965

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7





#6

Bromomethane

Concen: 0.088 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

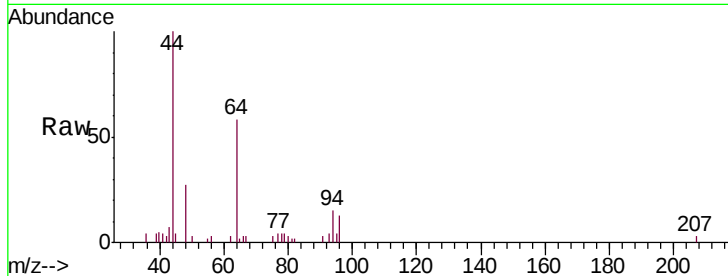
ESXG3DL

Tgt Ion: 94 Resp: 1096

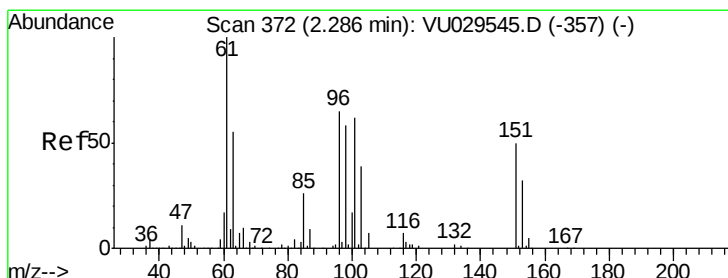
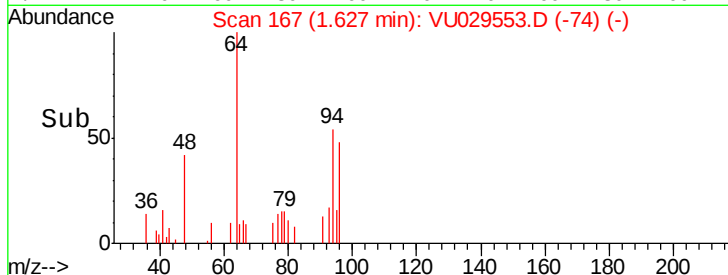
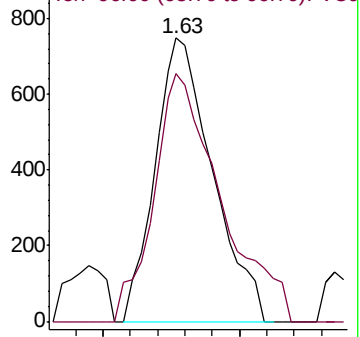
Ion Ratio Lower Upper

94 100

96 87.6 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU029545.D (-154) (-)



#10

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

Concen: 0.098 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

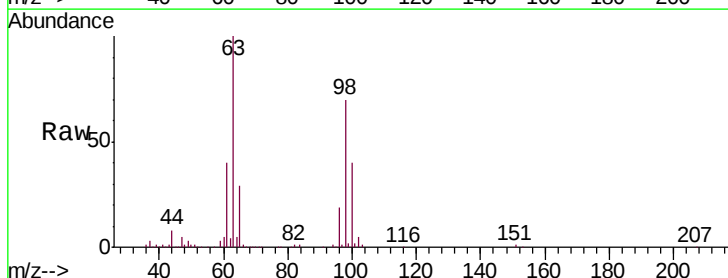
Tgt Ion: 101 Resp: 1893

Ion Ratio Lower Upper

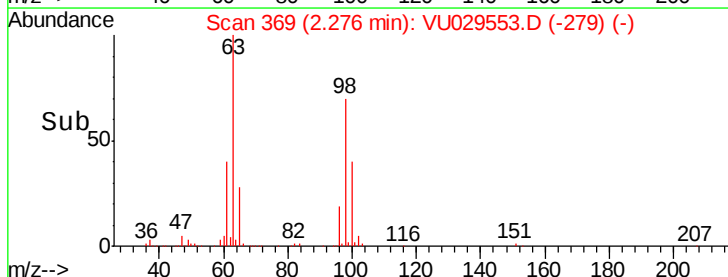
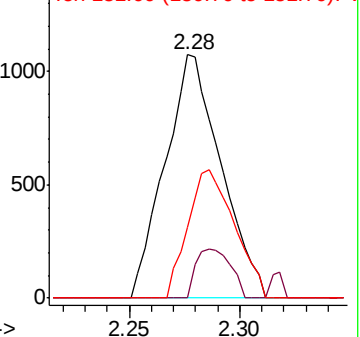
101 100

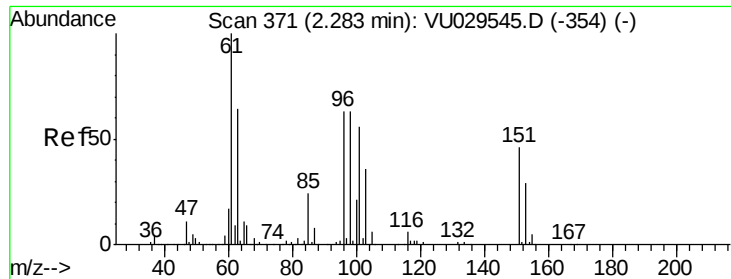
85 12.5 35.1 52.7#

151 43.9 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): VU029545.D (-357) (-)





#12

1,1-Dichloroethene

Concen: 1.348 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

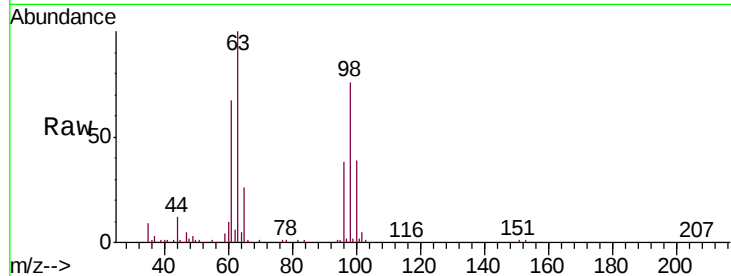
Tgt Ion: 96 Resp: 24714

Ion Ratio Lower Upper

96 100

61 176.7 115.1 213.7

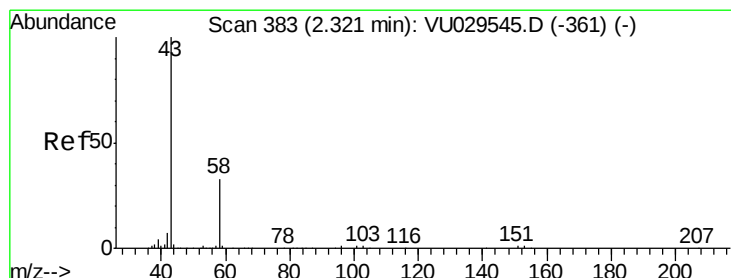
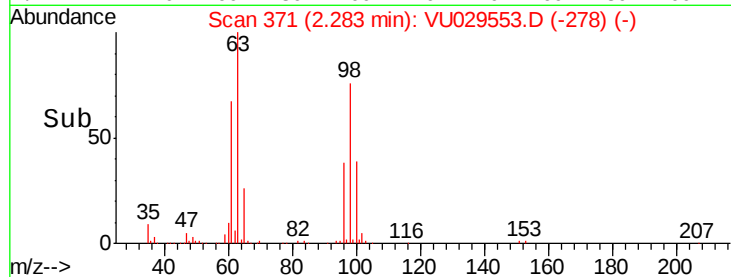
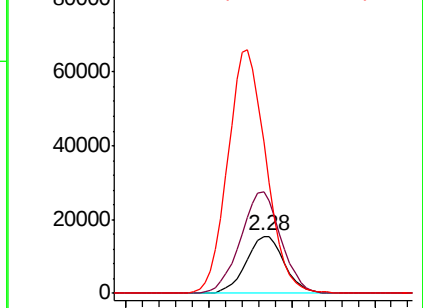
63 264.9 83.5 155.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 0.551 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029553.D

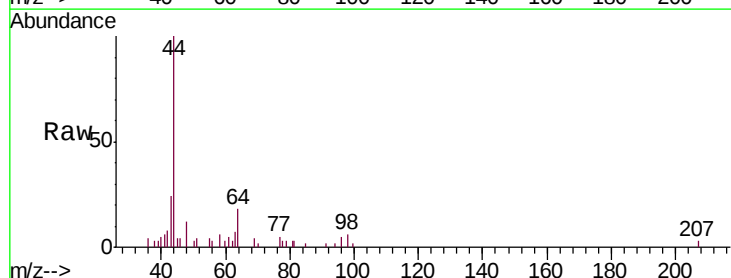
Acq: 19 Feb 2019 14:29

Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

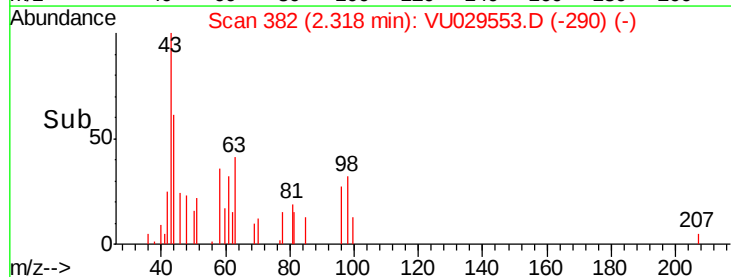
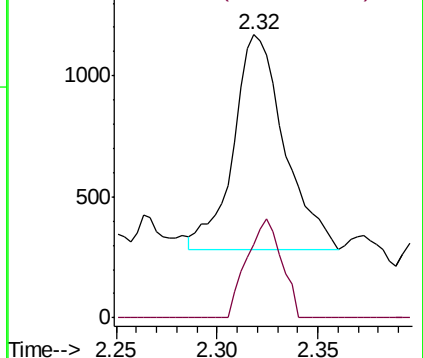
43 100

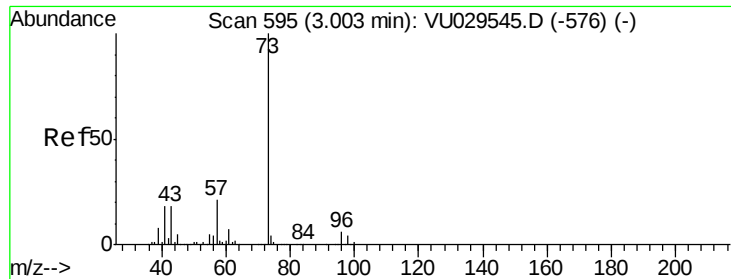
58 31.8 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

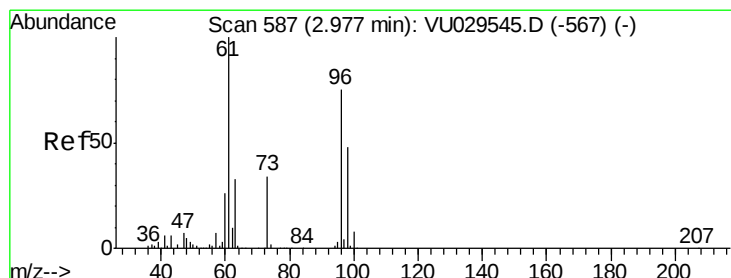
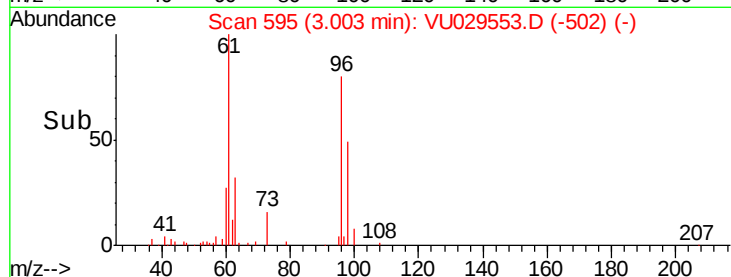
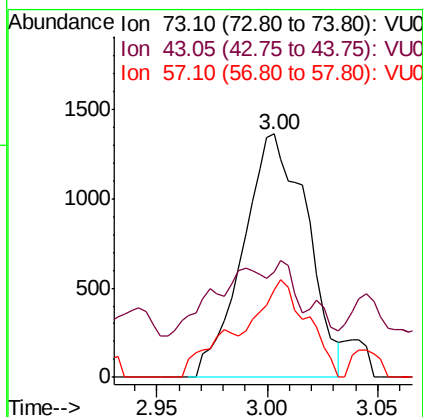
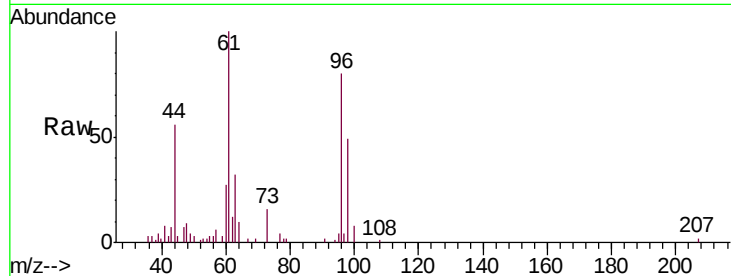




#17
Methyl tert-butyl Ether
Concen: 0.060 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029553.D
Acq: 19 Feb 2019 14:29

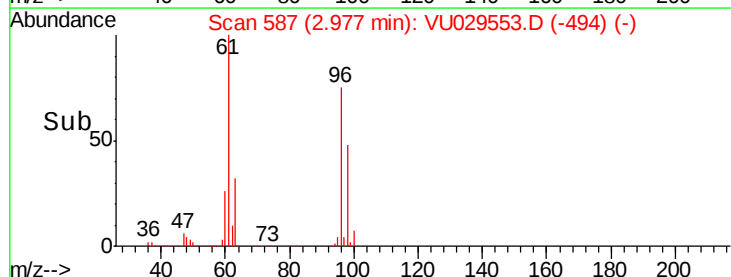
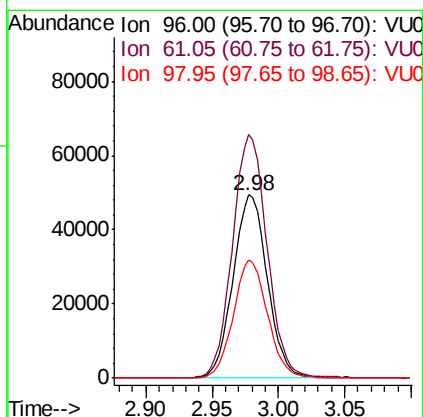
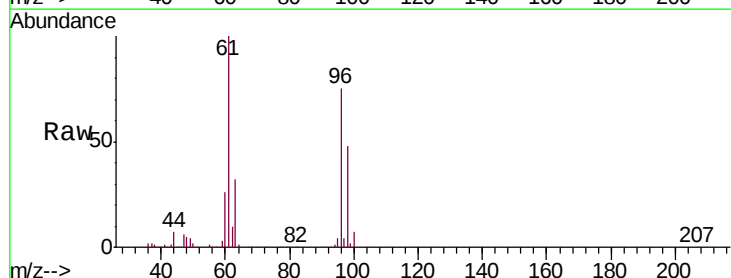
Instrument :
MSVOA_U
ClientSampleId :
ESXG3DL

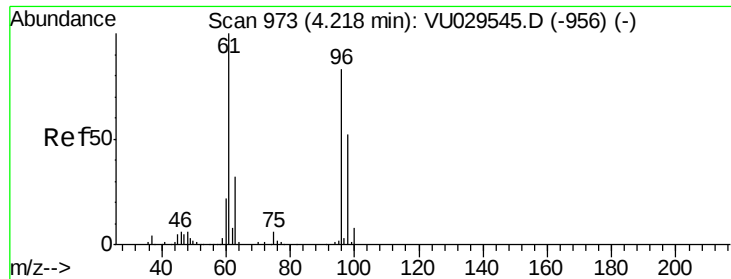
Tgt Ion: 73 Resp: 2752
Ion Ratio Lower Upper
73 100
43 6.7 16.0 24.0#
57 31.5 16.9 25.3#



#18
trans-1,2-Dichloroethene
Concen: 4.559 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029553.D
Acq: 19 Feb 2019 14:29

Tgt Ion: 96 Resp: 89140
Ion Ratio Lower Upper
96 100
61 132.9 95.4 177.2
98 64.4 45.8 85.2



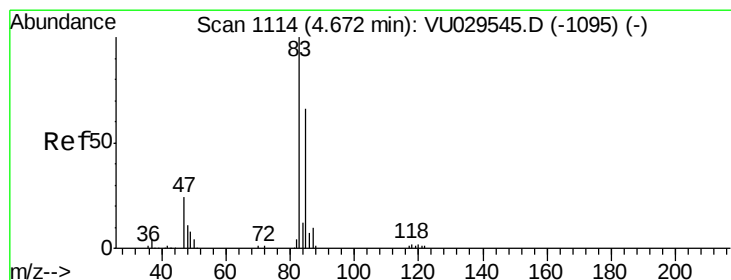
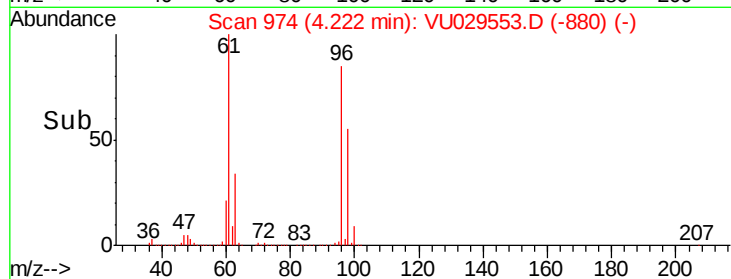
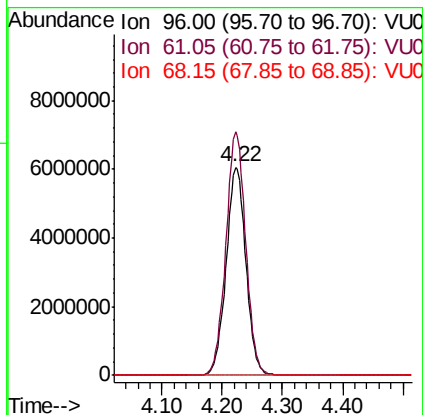
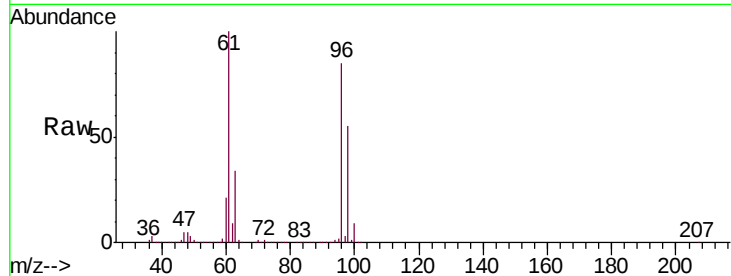


#22

cis-1,2-Dichloroethene
 Concen: 766.556 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029553.D
 Acq: 19 Feb 2019 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG3DL

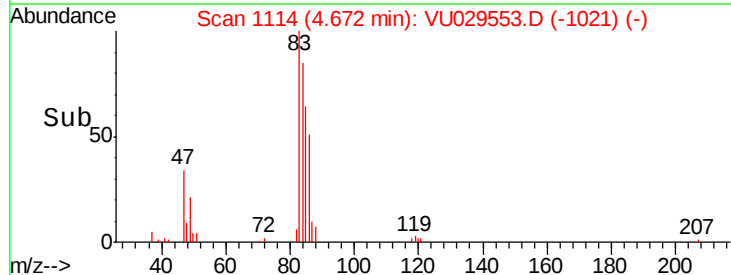
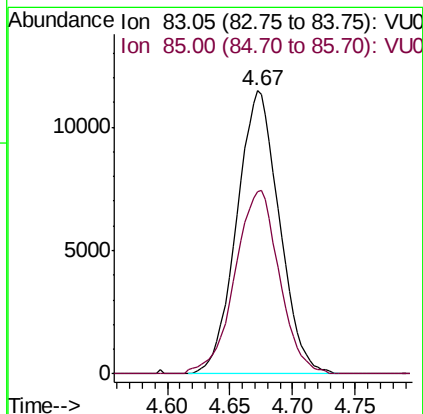
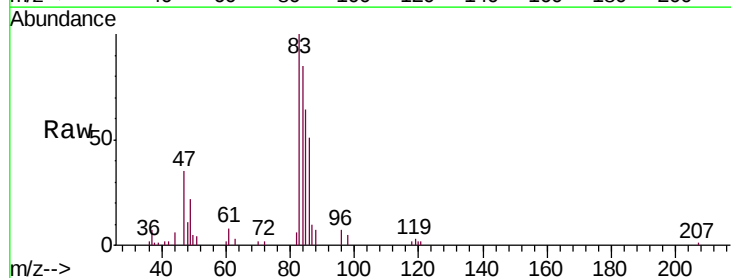
Tgt Ion: 96 Resp:13787167
 Ion Ratio Lower Upper
 96 100
 61 117.1 79.9 148.5
 68 0.0 0.0 0.0

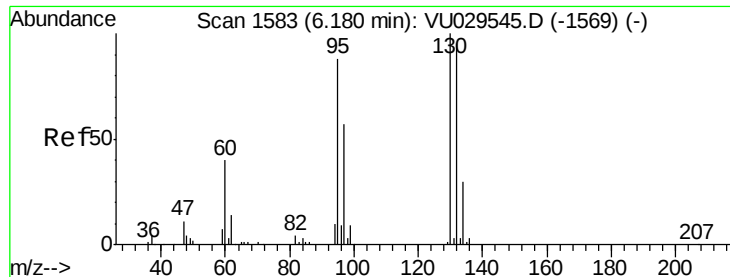


#25

Chloroform
 Concen: 0.918 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VU029553.D
 Acq: 19 Feb 2019 14:29

Tgt Ion: 83 Resp: 27049
 Ion Ratio Lower Upper
 83 100
 85 64.3 47.8 88.8





#34

Trichloroethene

Concen: 0.599 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

Tgt Ion: 95 Resp: 10618

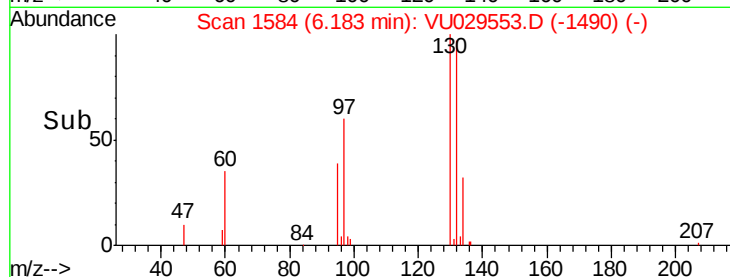
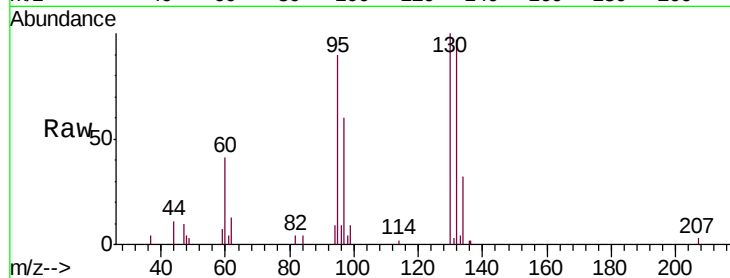
Ion Ratio Lower Upper

95 100

97 67.0 46.3 86.1

132 108.6 72.9 135.3

130 111.6 79.2 147.0

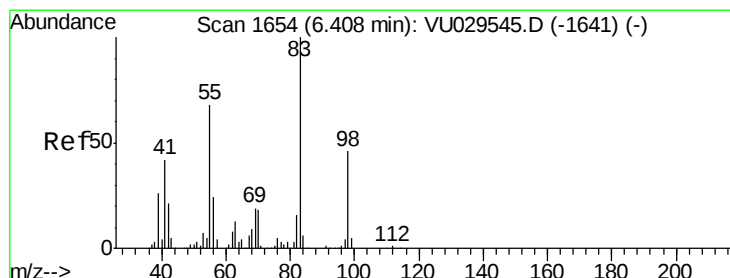
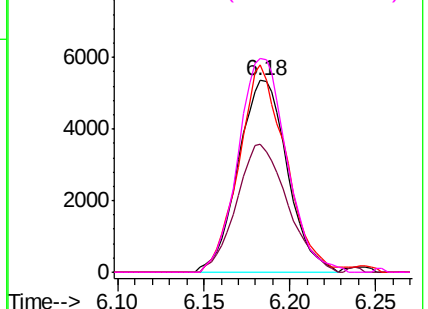


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.564 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

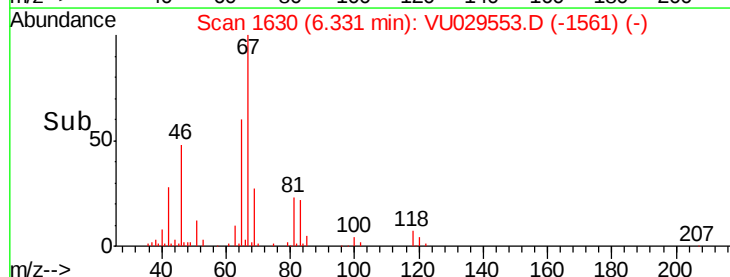
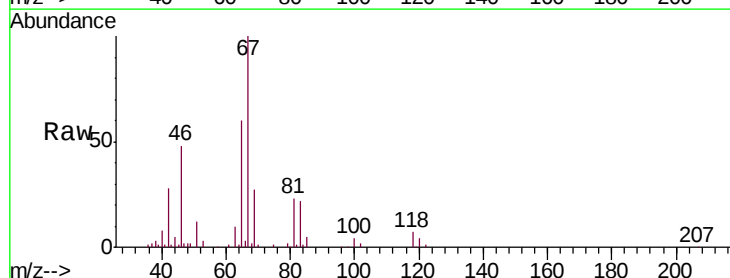
Tgt Ion: 83 Resp: 16820

Ion Ratio Lower Upper

83 100

55 0.2 55.9 83.9#

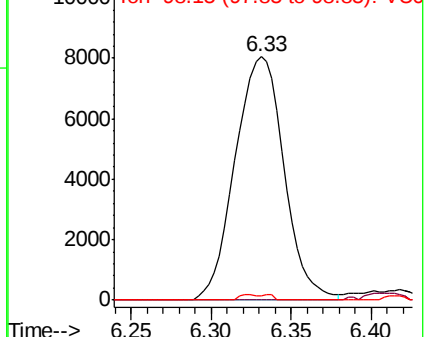
98 0.6 38.6 57.8#

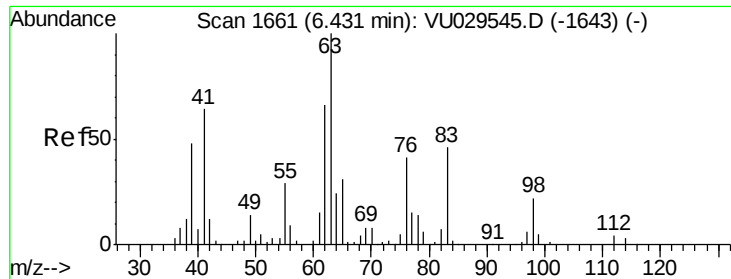


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

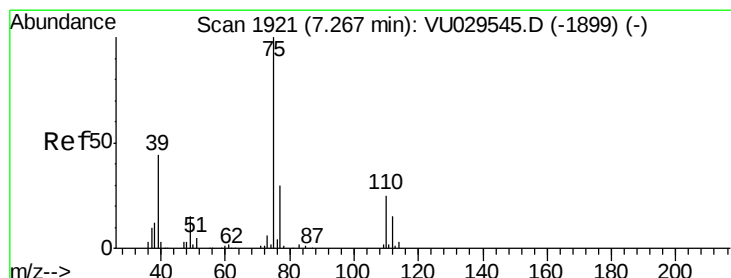
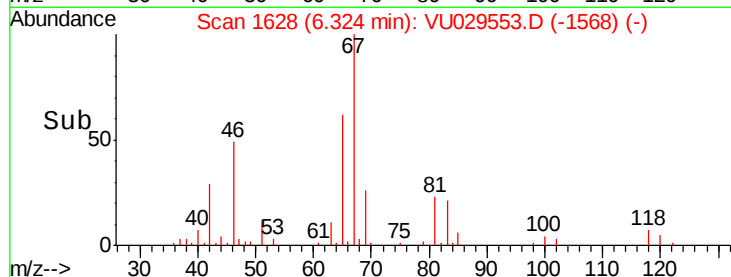
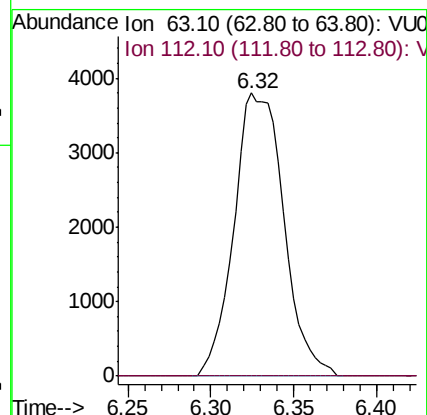
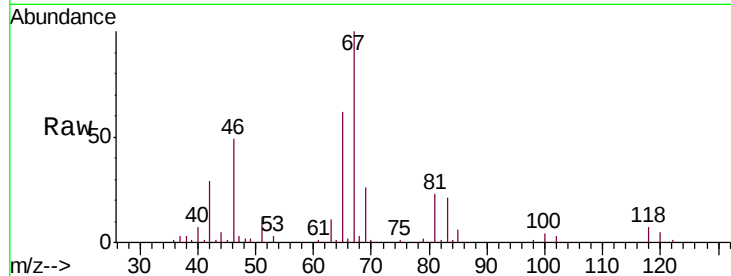




#37
 1,2-Dichloropropane
 Concen: 0.503 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.11 min
 Lab File: VU029553.D
 Acq: 19 Feb 2019 14:29

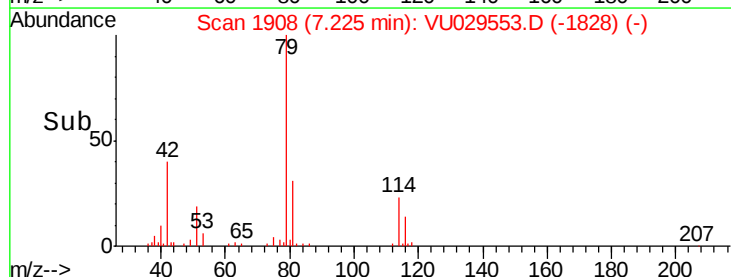
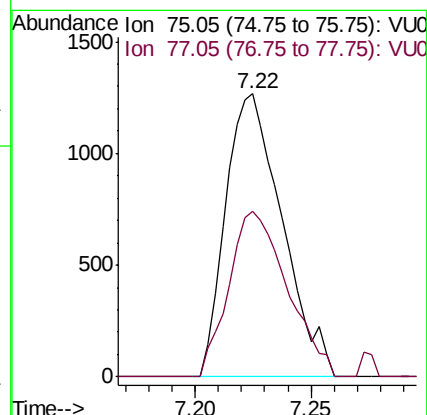
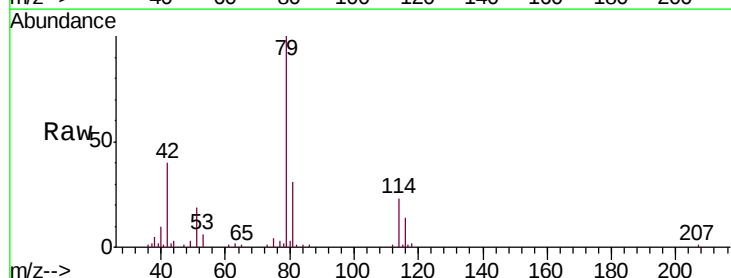
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG3DL

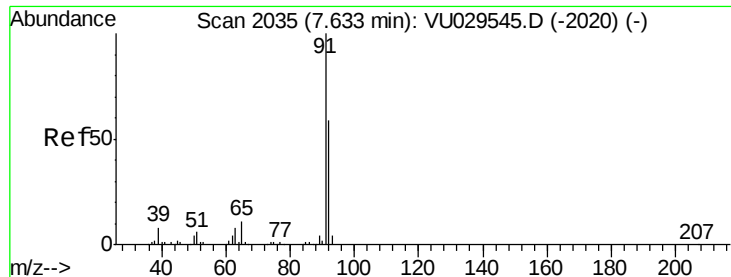
Tgt Ion: 63 Resp: 7937
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029553.D
 Acq: 19 Feb 2019 14:29

Tgt Ion: 75 Resp: 2141
 Ion Ratio Lower Upper
 75 100
 77 58.3 22.3 41.3#





#42

Toluene

Concen: 0.036 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

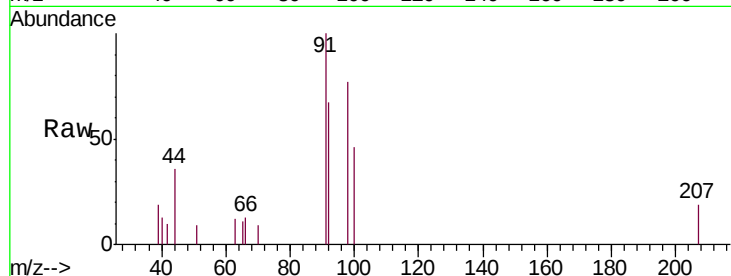
ESXG3DL

Tgt Ion: 91 Resp: 2551

Ion Ratio Lower Upper

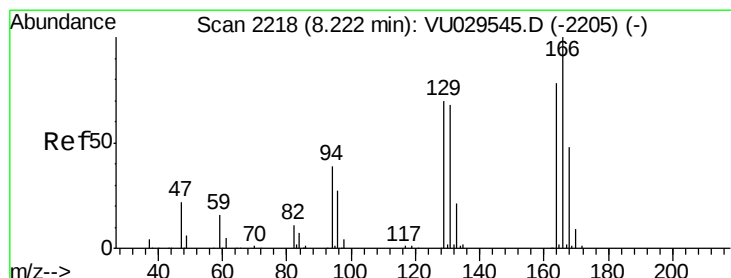
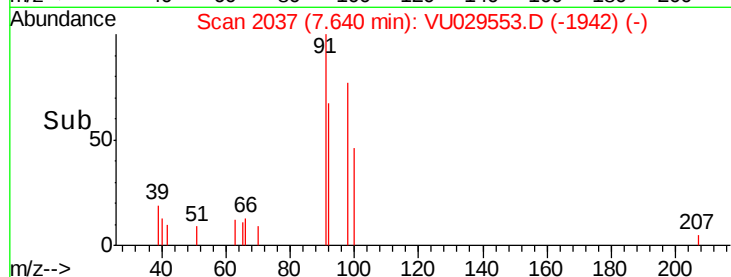
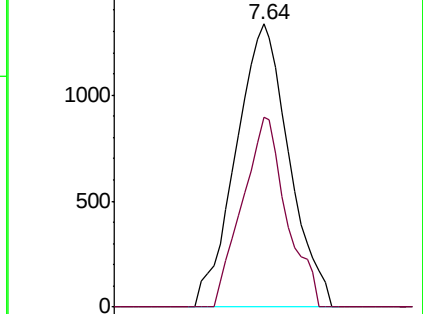
91 100

92 66.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU029545.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029545.D (-2020) (-)



#47

Tetrachloroethene

Concen: 0.575 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Tgt Ion: 164 Resp: 9333

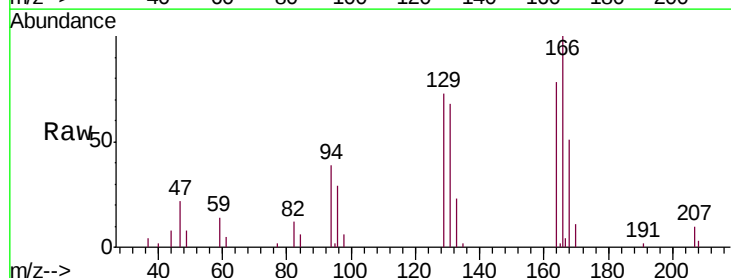
Ion Ratio Lower Upper

164 100

129 92.9 62.9 116.9

131 86.8 62.1 115.3

166 128.0 89.8 166.8

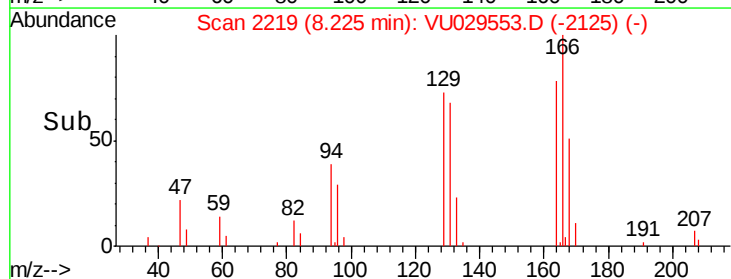
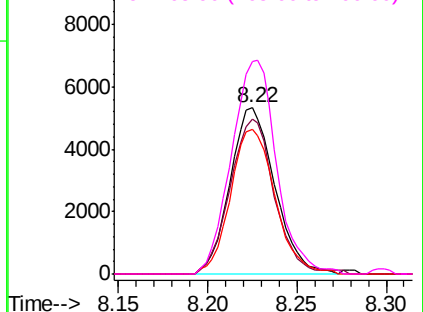


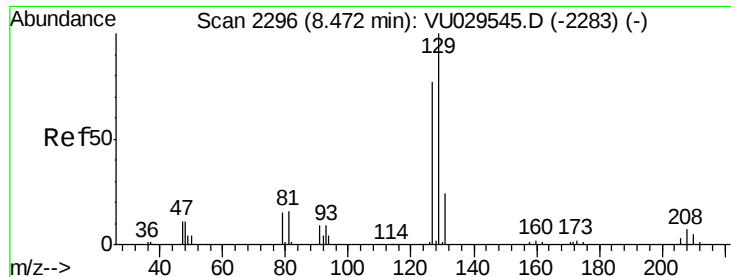
Abundance Ion 163.90 (163.60 to 164.60): VU029545.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU029545.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU029545.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU029545.D (-2205) (-)





#49

Dibromochloromethane

Concen: 0.525 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029553.D

Acq: 19 Feb 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

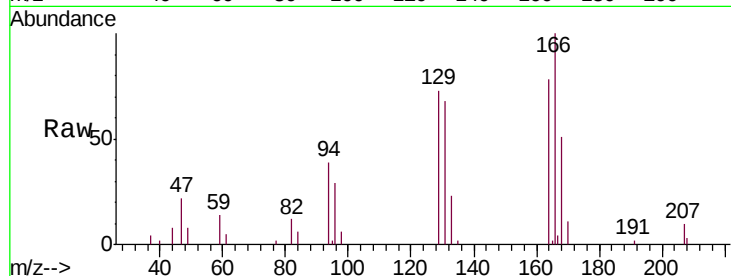
ESXG3DL

Tgt Ion:129 Resp: 8557

Ion Ratio Lower Upper

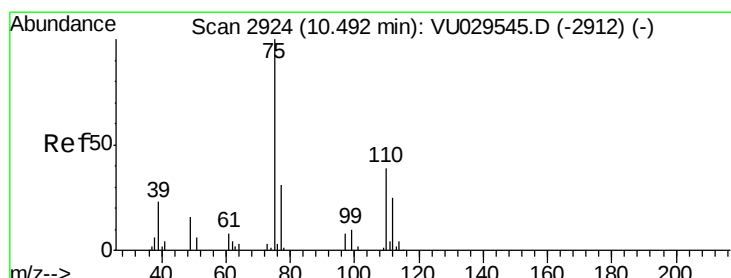
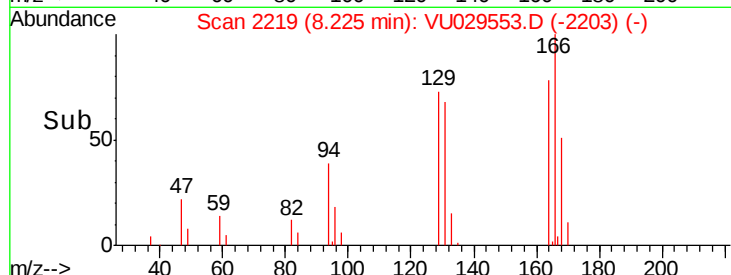
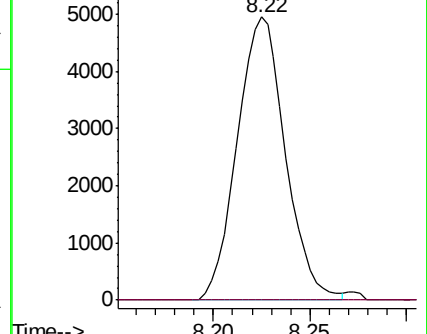
129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.137 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029553.D

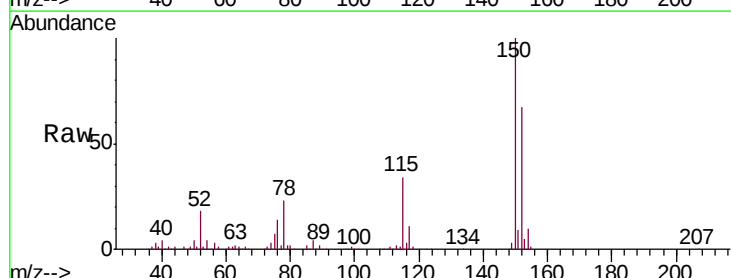
Acq: 19 Feb 2019 14:29

Tgt Ion: 75 Resp: 11515

Ion Ratio Lower Upper

75 100

77 38.8 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

