

Data File : VU029559.D
Acq On : 19 Feb 2019 16:51
Operator : JC/SP
Sample : K1488-15DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF1DL

Quant Time: Feb 20 00:12:55 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	208630	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107008	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59372	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.68	69	55063	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.27	63	96033	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.19	46	165568	56.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.62%
24) Chloroform-d	4.65	84	95479	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.31	65	60671	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.34	84	230661	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.33	67	70986	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.56	98	222298	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.85	79	28482	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.31	63	161168	53.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65008	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	99948	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	54301	2.703	ug/L 94
6) Bromomethane	1.63	94	505	0.043	ug/L 98
8) Chloroethane	1.55	64	3215	0.246	ug/L # 53
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	863	0.048	ug/L # 19
12) 1,1-Dichloroethene	2.27	96	1569	0.091	ug/L # 1
18) trans-1,2-Dichloroethene	2.98	96	4468	0.244	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	153675	9.125	ug/L 98
25) Chloroform	4.67	83	17647	0.639	ug/L 97
27) 1,2-Dichloroethane	5.33	62	1248	0.078	ug/L # 72
34) Trichloroethene	6.18	95	15622	0.920	ug/L 95
35) Methylcyclohexane	6.33	83	17217	0.603	ug/L # 21
37) 1,2-Dichloropropane	6.32	63	7915	0.523	ug/L # 87
39) cis-1,3-Dichloropropene	7.22	75	1793	0.075	ug/L # 51
47) Tetrachloroethene	8.22	164	31250	2.008	ug/L 98
49) Dibromochloromethane	8.22	129	27217	1.742	ug/L # 11
59) 1,2,3-Trichloropropane	11.48	75	10932	1.126	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.48	75	431	0.193	ug/L # 1

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

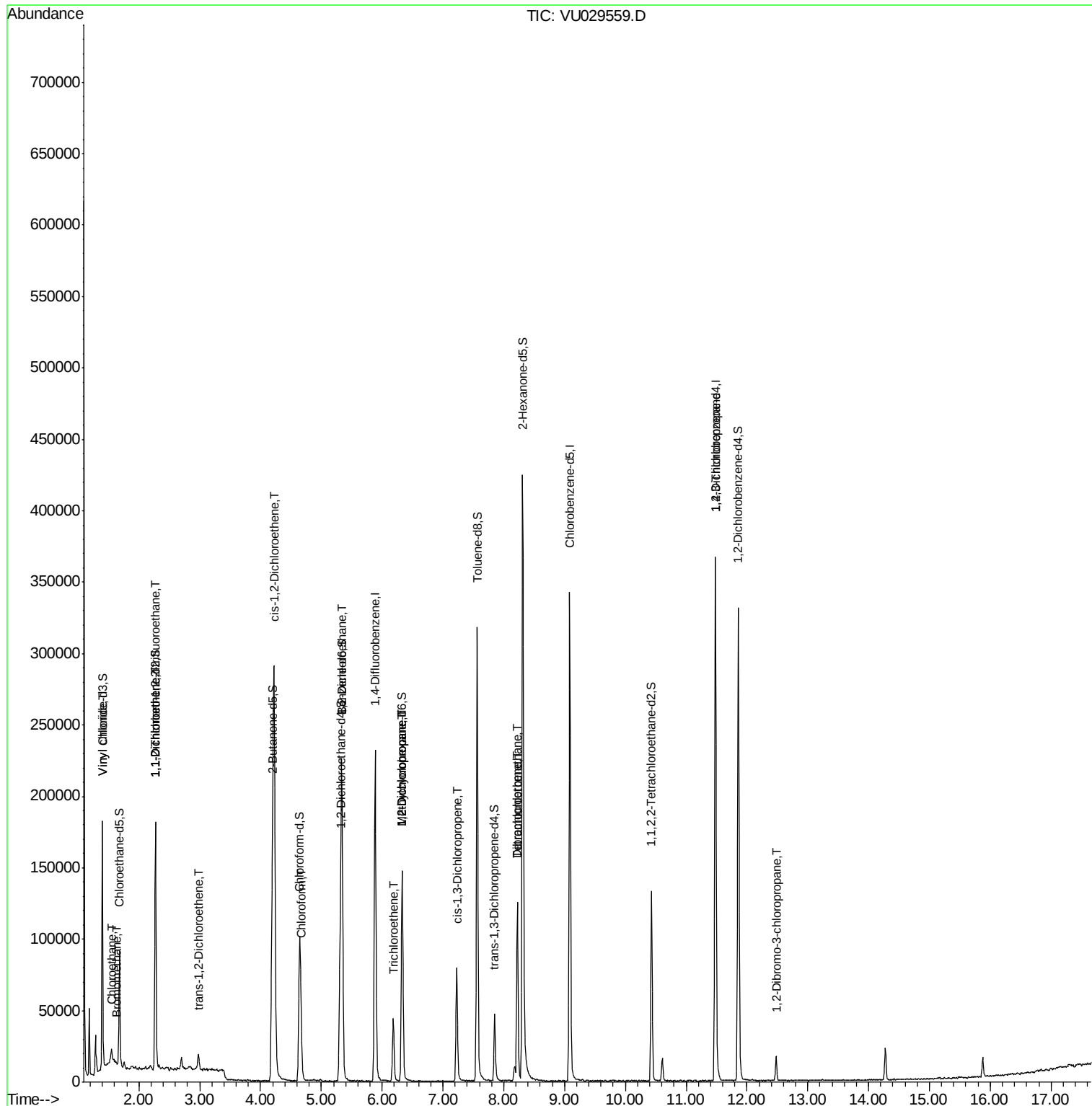
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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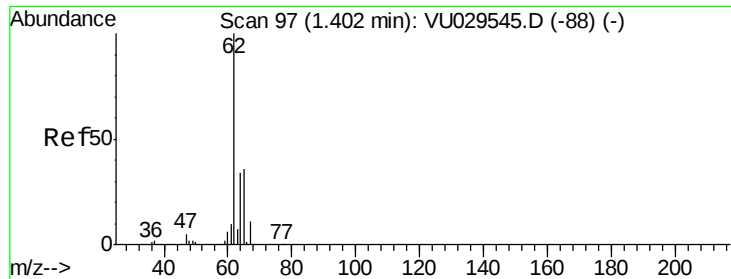
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.703 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

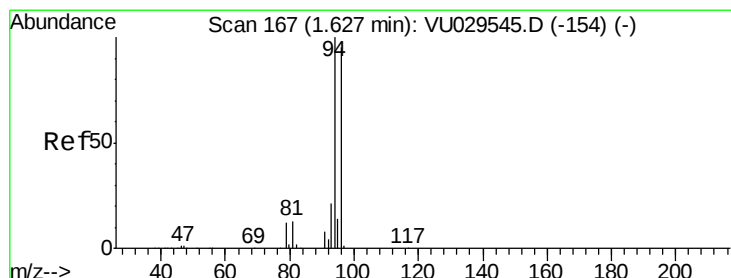
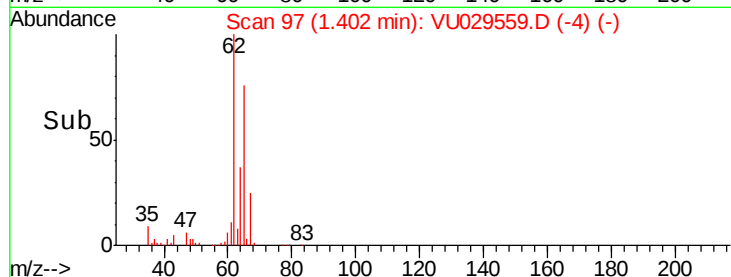
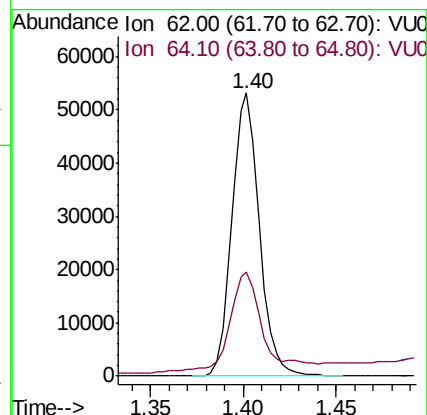
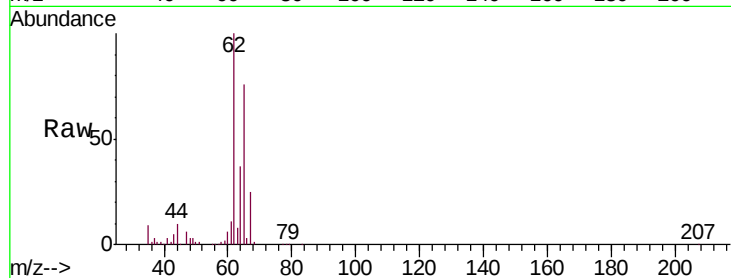
ESXF1DL

Tgt Ion: 62 Resp: 54301

Ion Ratio Lower Upper

62 100

64 36.8 23.5 43.7



#6

Bromomethane

Concen: 0.043 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029559.D

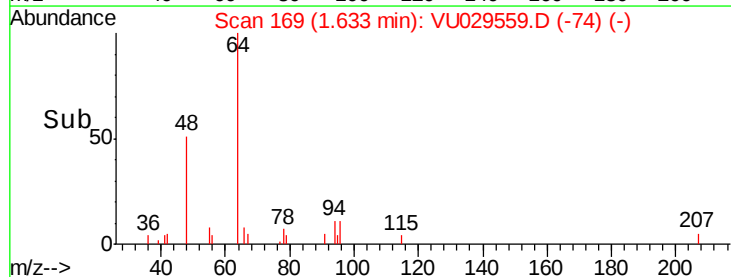
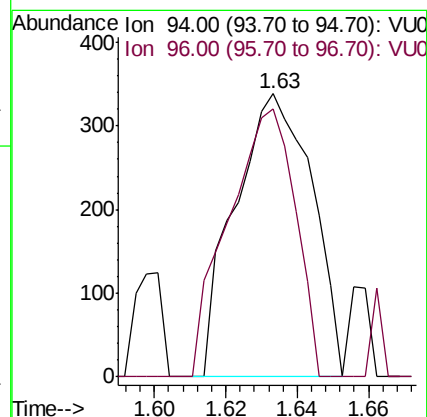
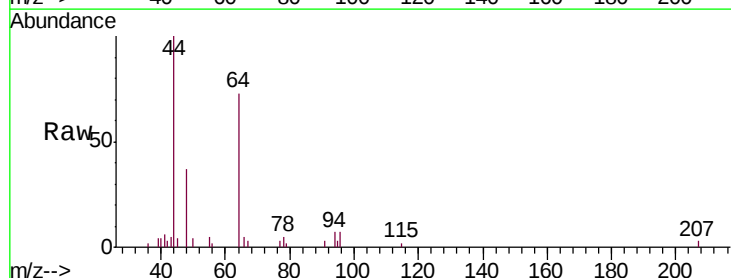
Acq: 19 Feb 2019 16:51

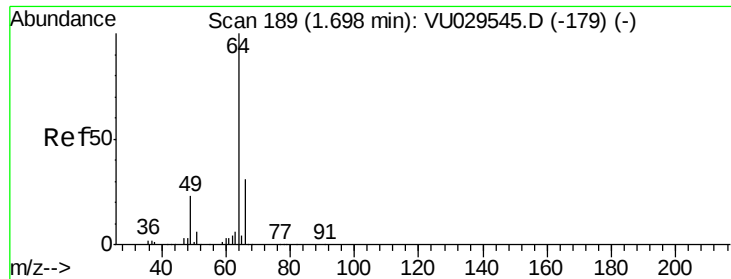
Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

94 100

96 95.0 65.2 121.0





#8

Chloroethane

Concen: 0.246 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

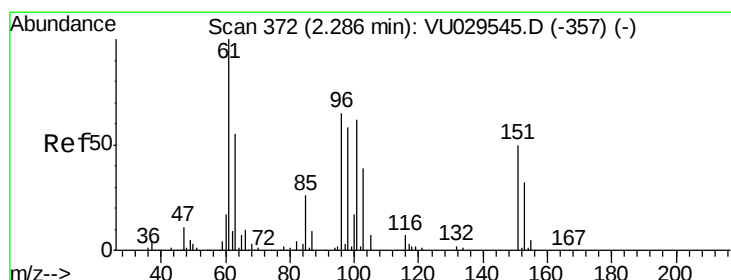
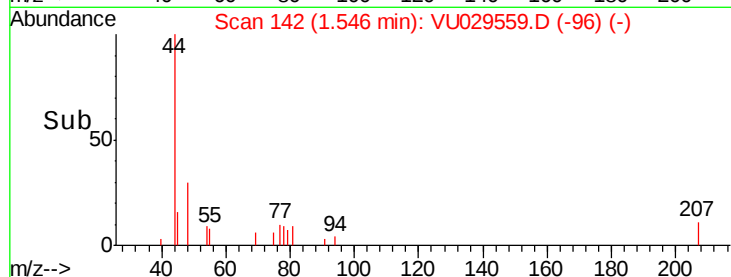
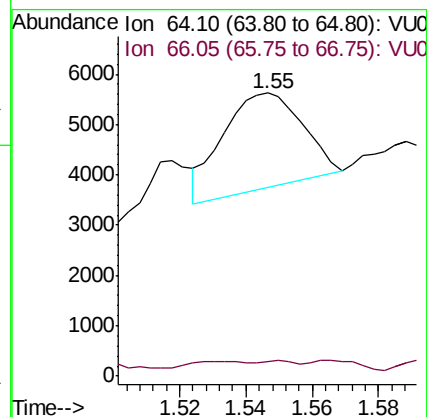
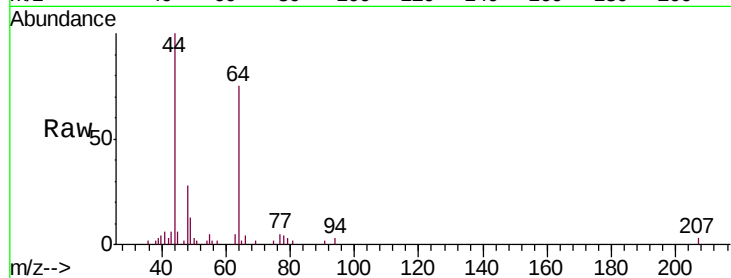
ESXF1DL

Tgt Ion: 64 Resp: 3215

Ion Ratio Lower Upper

64 100

66 5.2 22.0 40.8#



#10

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

Concen: 0.048 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

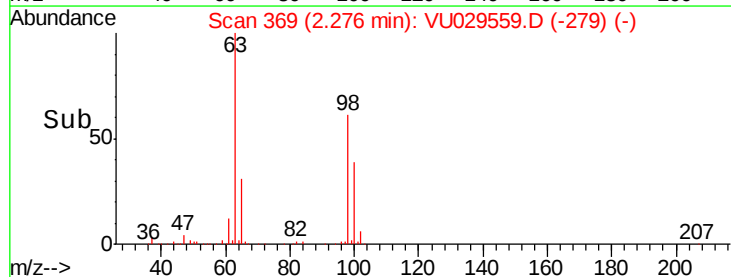
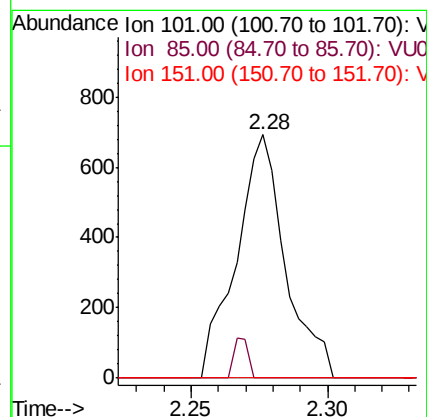
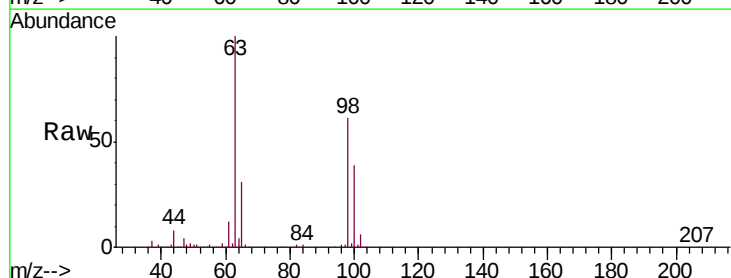
Tgt Ion: 101 Resp: 863

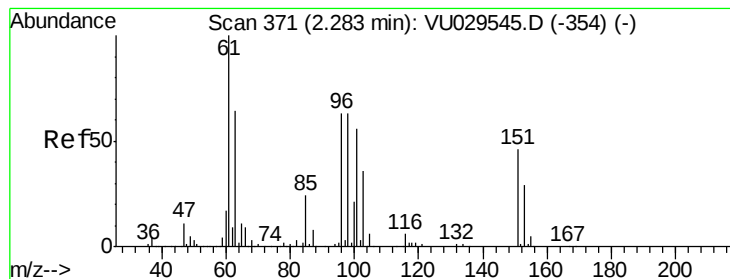
Ion Ratio Lower Upper

101 100

85 5.1 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

ESXF1DL

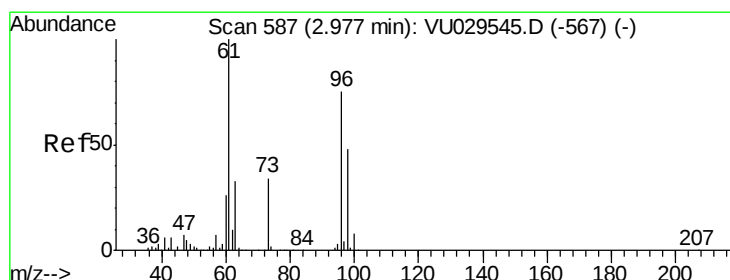
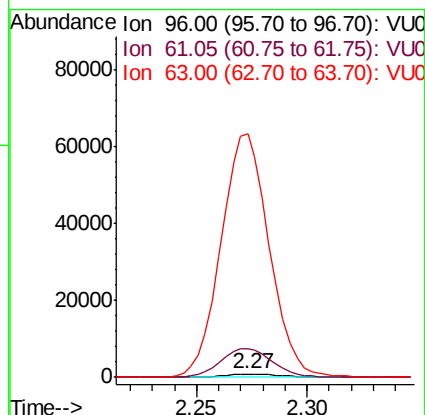
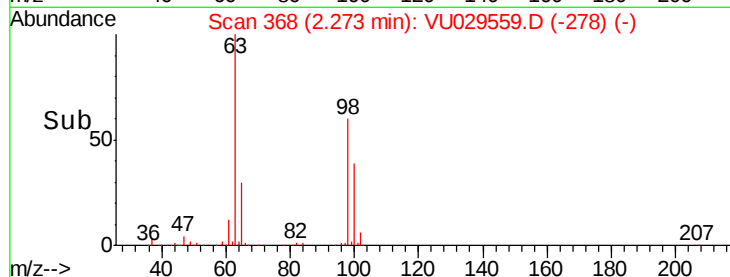
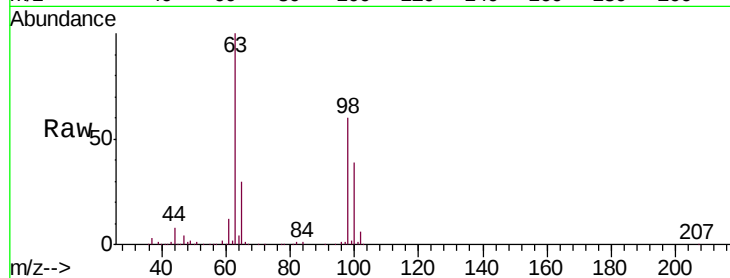
Tgt Ion: 96 Resp: 1569

Ion Ratio Lower Upper

96 100

61 867.3 115.1 213.7#

63 7300.7 83.5 155.1#



#18

trans-1,2-Dichloroethene

Concen: 0.244 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

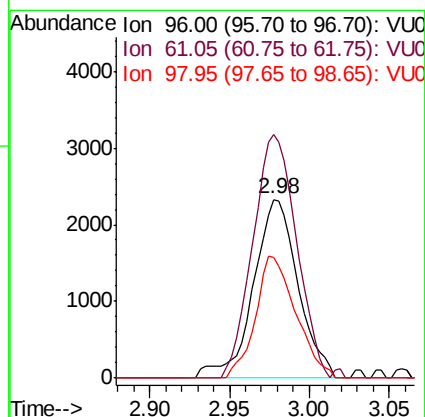
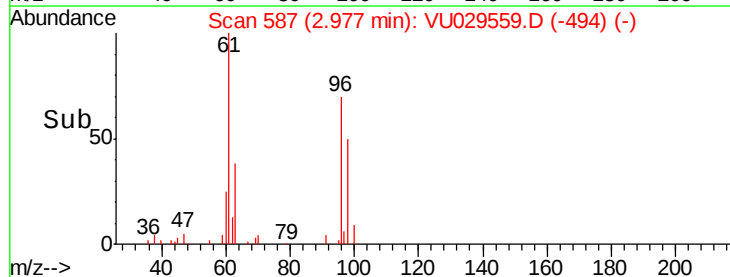
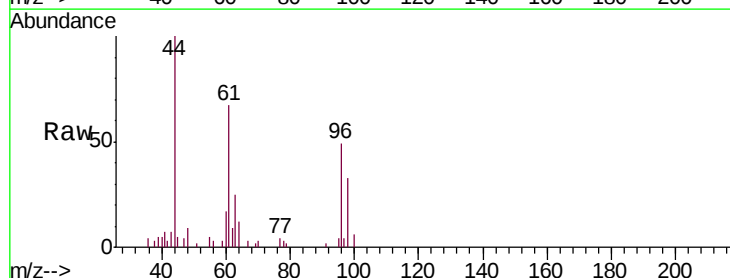
Tgt Ion: 96 Resp: 4468

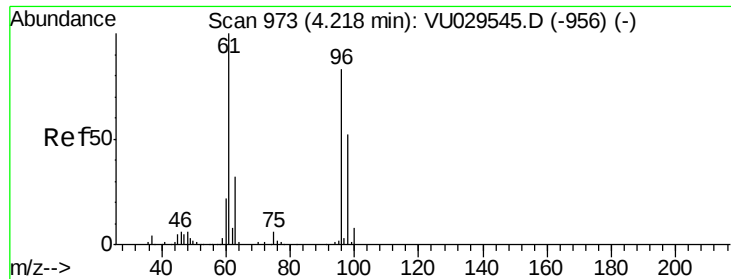
Ion Ratio Lower Upper

96 100

61 136.1 95.4 177.2

98 67.8 45.8 85.2

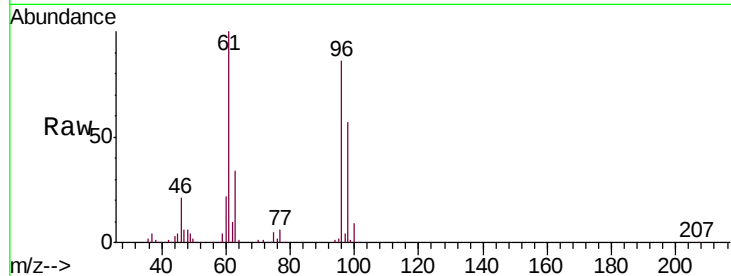




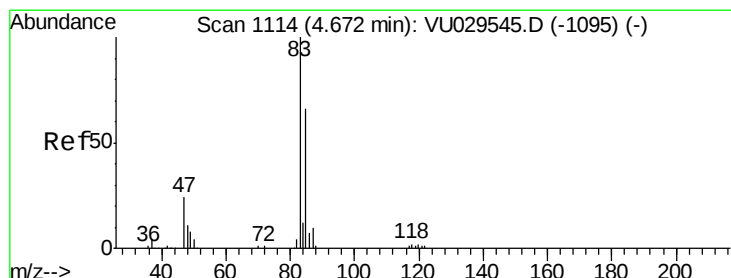
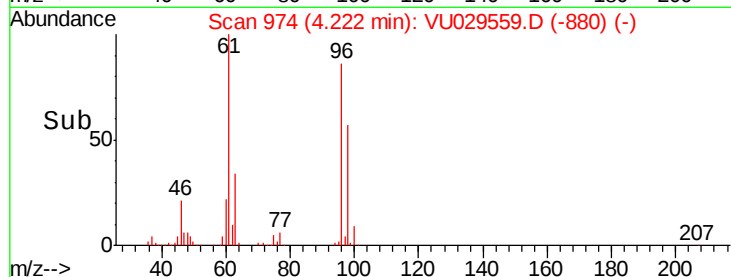
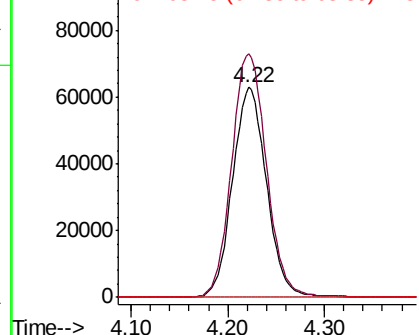
#22
 cis-1,2-Dichloroethene
 Concen: 9.125 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029559.D
 Acq: 19 Feb 2019 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF1DL

Tgt Ion: 96 Resp: 153675
 Ion Ratio Lower Upper
 96 100
 61 116.0 79.9 148.5
 68 0.0 0.0 0.0

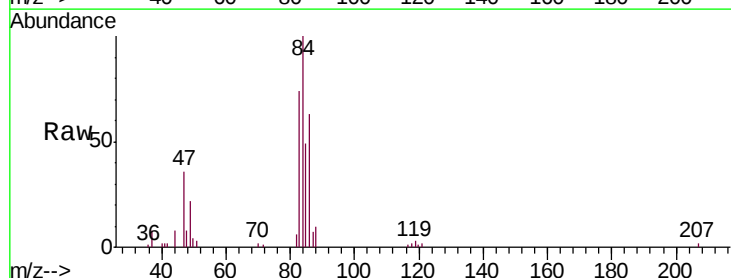


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

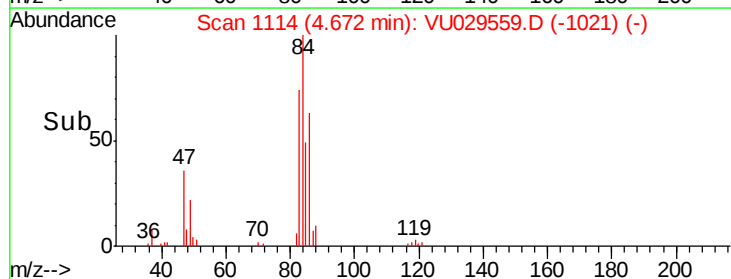
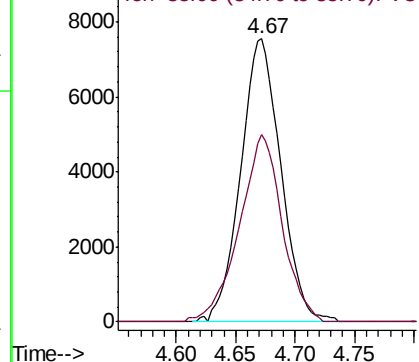


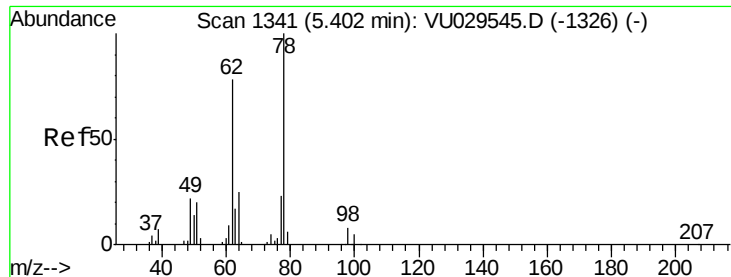
#25
 Chloroform
 Concen: 0.639 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VU029559.D
 Acq: 19 Feb 2019 16:51

Tgt Ion: 83 Resp: 17647
 Ion Ratio Lower Upper
 83 100
 85 66.3 47.8 88.8



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





#27

1,2-Dichloroethane

Concen: 0.078 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.07 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

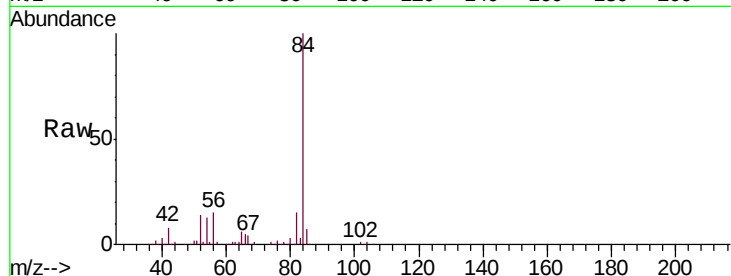
ESXF1DL

Tgt Ion: 62 Resp: 1248

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU029545.D (-1326) (-)

Ion 98.05 (97.75 to 98.75): VU029545.D (-1326) (-)

5.33

600

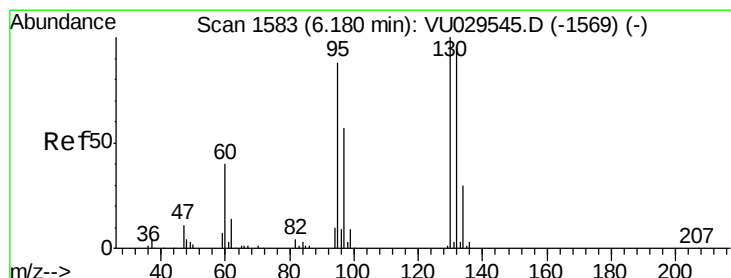
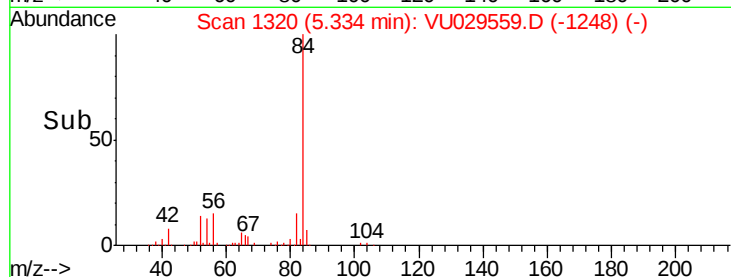
400

200

0

5.30 5.35

Time-->



#34

Trichloroethene

Concen: 0.920 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Tgt Ion: 95 Resp: 15622

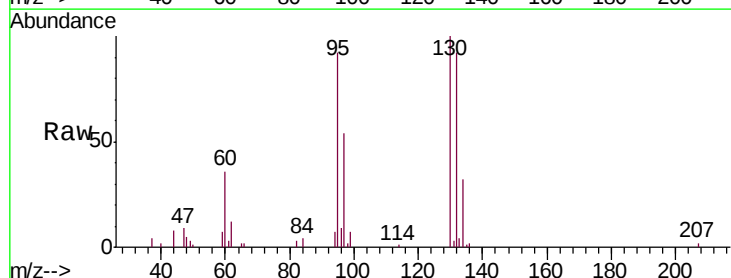
Ion Ratio Lower Upper

95 100

97 59.1 46.3 86.1

132 100.8 72.9 135.3

130 109.1 79.2 147.0



Abundance Ion 95.00 (94.70 to 95.70): VU029545.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU029545.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU029545.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU029545.D (-1569) (-)

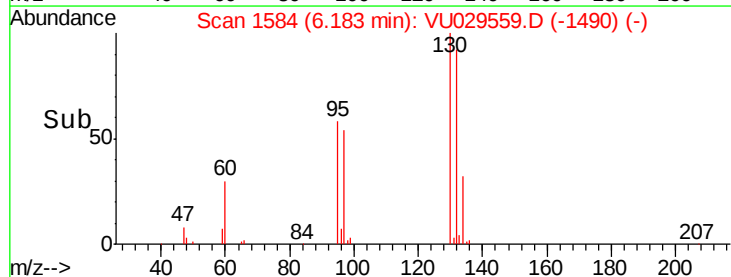
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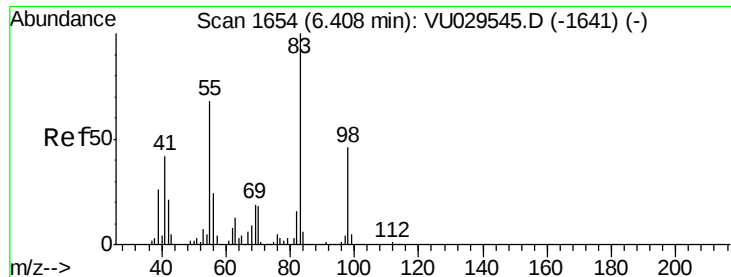
5000

0

6.10 6.15 6.20 6.25

Time-->

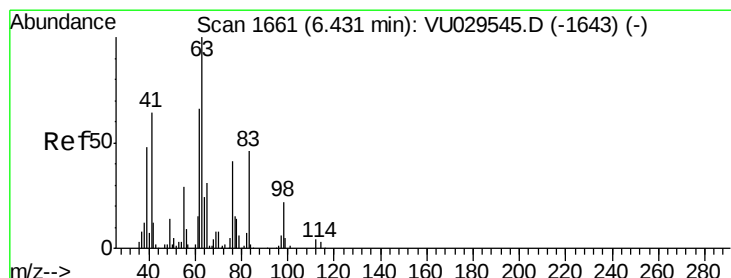
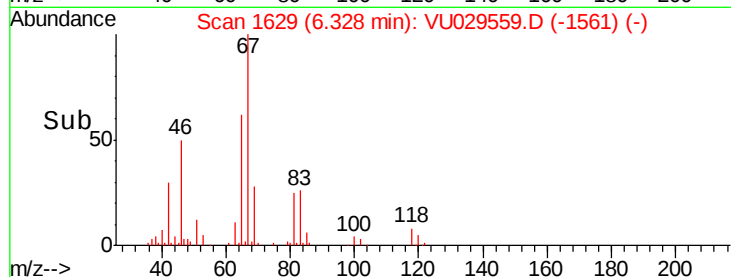
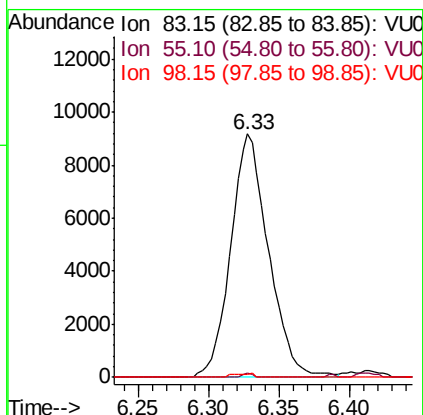
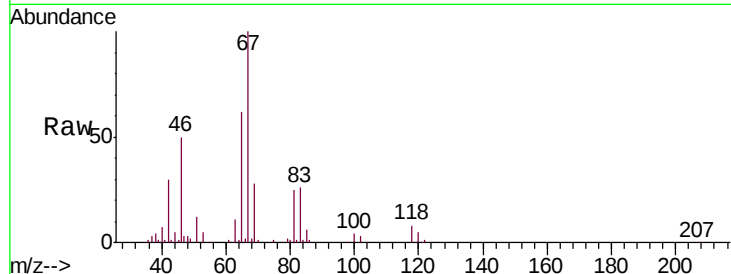




#35
Methylcyclohexane
Concen: 0.603 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029559.D
Acq: 19 Feb 2019 16:51

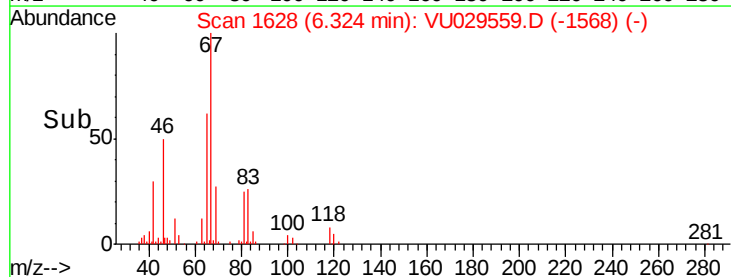
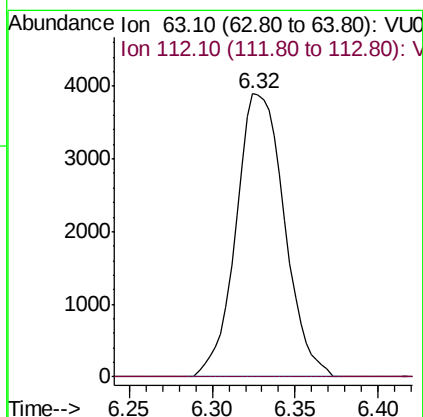
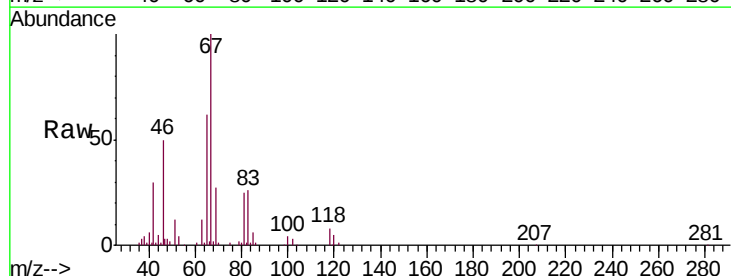
Instrument :
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ESXF1DL

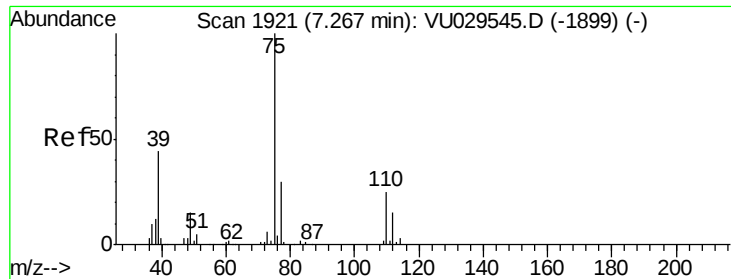
Tgt Ion: 83 Resp: 17217
Ion Ratio Lower Upper
83 100
55 0.4 55.9 83.9#
98 0.5 38.6 57.8#



#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VU029559.D
Acq: 19 Feb 2019 16:51

Tgt Ion: 63 Resp: 7915
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



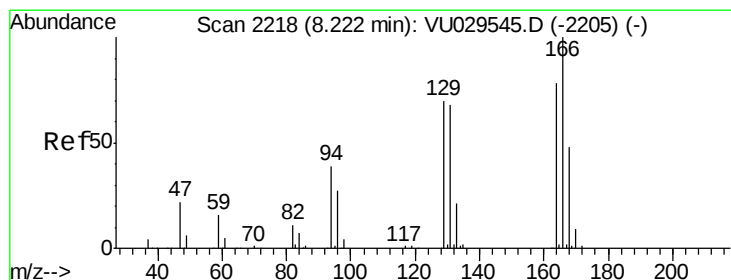
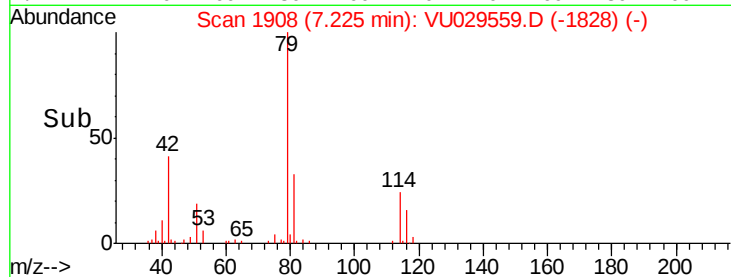
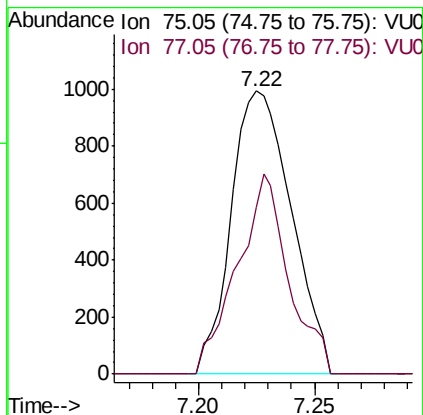
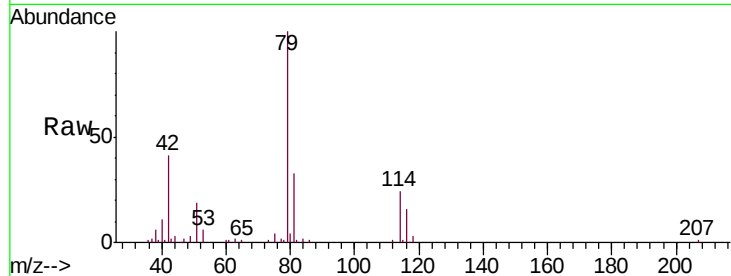


#39

cis-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029559.D
 Acq: 19 Feb 2019 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF1DL

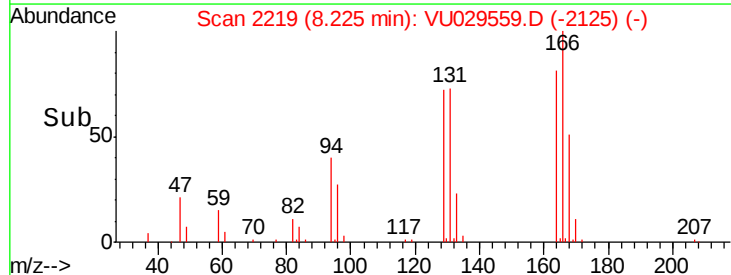
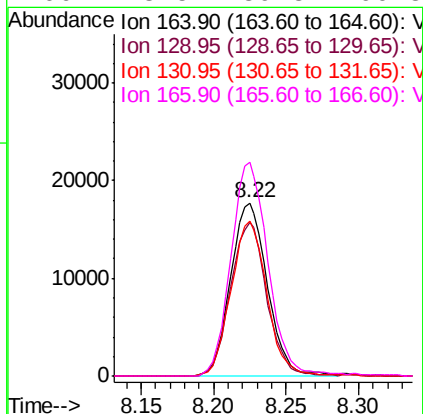
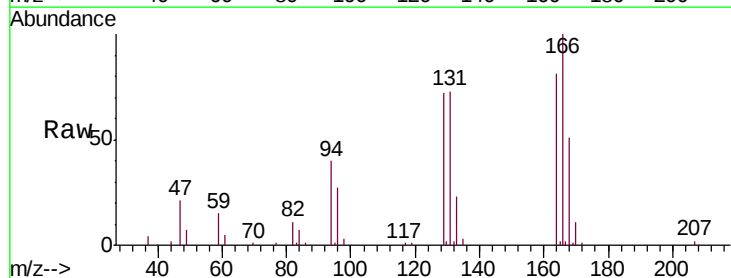
Tgt Ion: 75 Resp: 1793
 Ion Ratio Lower Upper
 75 100
 77 59.1 22.3 41.3#

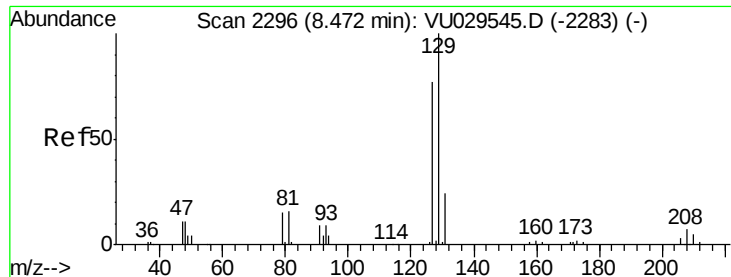


#47

Tetrachloroethene
 Concen: 2.008 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029559.D
 Acq: 19 Feb 2019 16:51

Tgt Ion: 164 Resp: 31250
 Ion Ratio Lower Upper
 164 100
 129 88.6 62.9 116.9
 131 89.6 62.1 115.3
 166 123.5 89.8 166.8





#49

Dibromochloromethane

Concen: 1.742 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

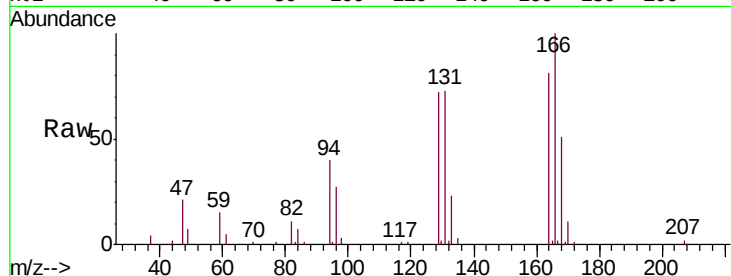
ESXF1DL

Tgt Ion:129 Resp: 27217

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

8.22

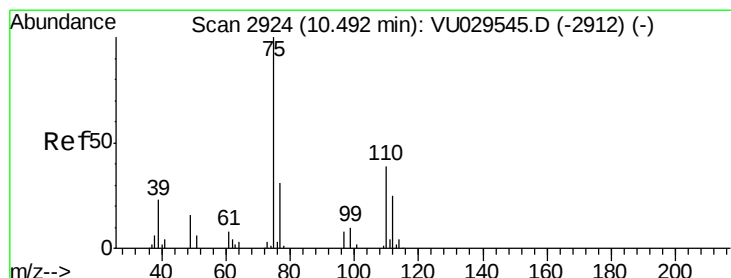
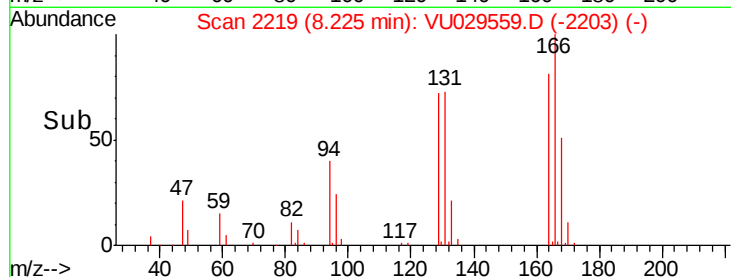
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.126 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029559.D

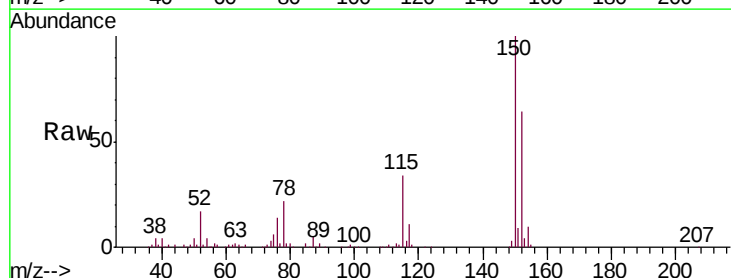
Acq: 19 Feb 2019 16:51

Tgt Ion: 75 Resp: 10932

Ion Ratio Lower Upper

75 100

77 34.9 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

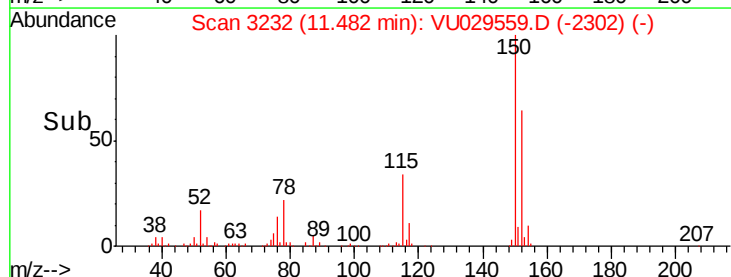
6000

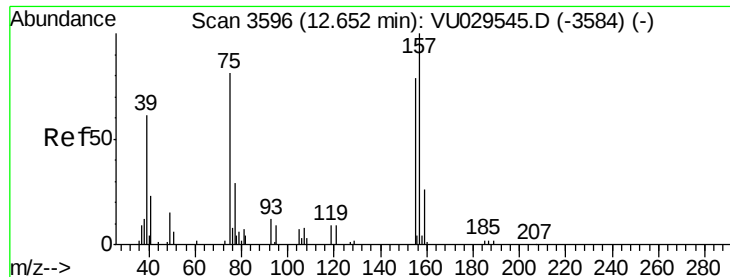
4000

2000

0

Time--> 11.40 11.45 11.50 11.55





#66

1,2-Dibromo-3-chloropropane

Concen: 0.193 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.17 min

Lab File: VU029559.D

Acq: 19 Feb 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

ESXF1DL

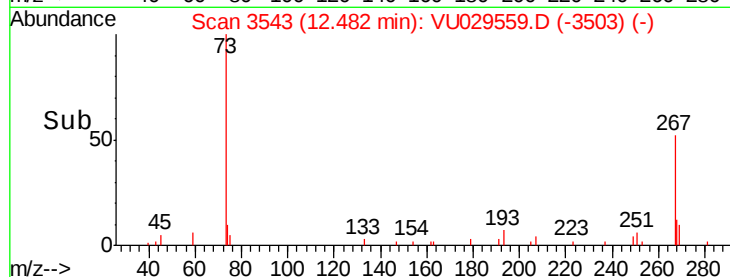
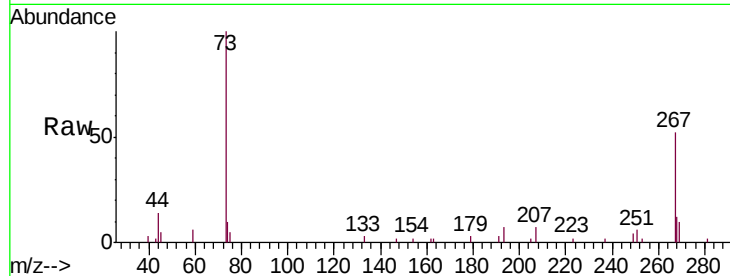
Tgt Ion: 75 Resp: 431

Ion Ratio Lower Upper

75 100

155 0.0 75.3 112.9#

157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

