

Data File : VU029527.D
Acq On : 18 Feb 2019 14:09
Operator : JC/SP
Sample : K1489-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

Quant Time: Feb 19 00:23:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	219914	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	211949	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63258	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.68	69	57913	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	105281	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.19	46	151898	49.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.88%
24) Chloroform-d	4.64	84	113543	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.31	65	61599	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.34	84	243482	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	73099	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.56	98	241033	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.85	79	30418	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.31	63	154412	49.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63535	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	102669	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	52920	2.499	ug/L 93
6) Bromomethane	1.63	94	1044	0.085	ug/L 87
8) Chloroethane	1.56	64	4114	0.298	ug/L # 57
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1199	0.063	ug/L # 32
12) 1,1-Dichloroethene	2.27	96	1503	0.083	ug/L # 1
13) Acetone	2.32	43	1378	0.494	ug/L 92
16) Methylene chloride	2.70	84	5597	0.275	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	2364	0.052	ug/L # 74
18) trans-1,2-Dichloroethene	2.98	96	2019	0.105	ug/L 85
22) cis-1,2-Dichloroethene	4.22	96	130007	7.324	ug/L 97
25) Chloroform	4.68	83	3143	0.108	ug/L 86
34) Trichloroethene	6.19	95	2075	0.118	ug/L 89
35) Methylcyclohexane	6.33	83	17470	0.592	ug/L # 21
37) 1,2-Dichloropropane	6.33	63	7804	0.499	ug/L # 87
47) Tetrachloroethene	8.22	164	1446	0.090	ug/L 84
48) 2-Hexanone	8.37	43	2765	0.421	ug/L # 85
49) Dibromochloromethane	8.23	129	1103	0.068	ug/L # 11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\
Quantitation Report (Not Reviewed)

Data File : VU029527.D
Acq On : 18 Feb 2019 14:09
Operator : JC/SP
Sample : K1489-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

Quant Time: Feb 19 00:23:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

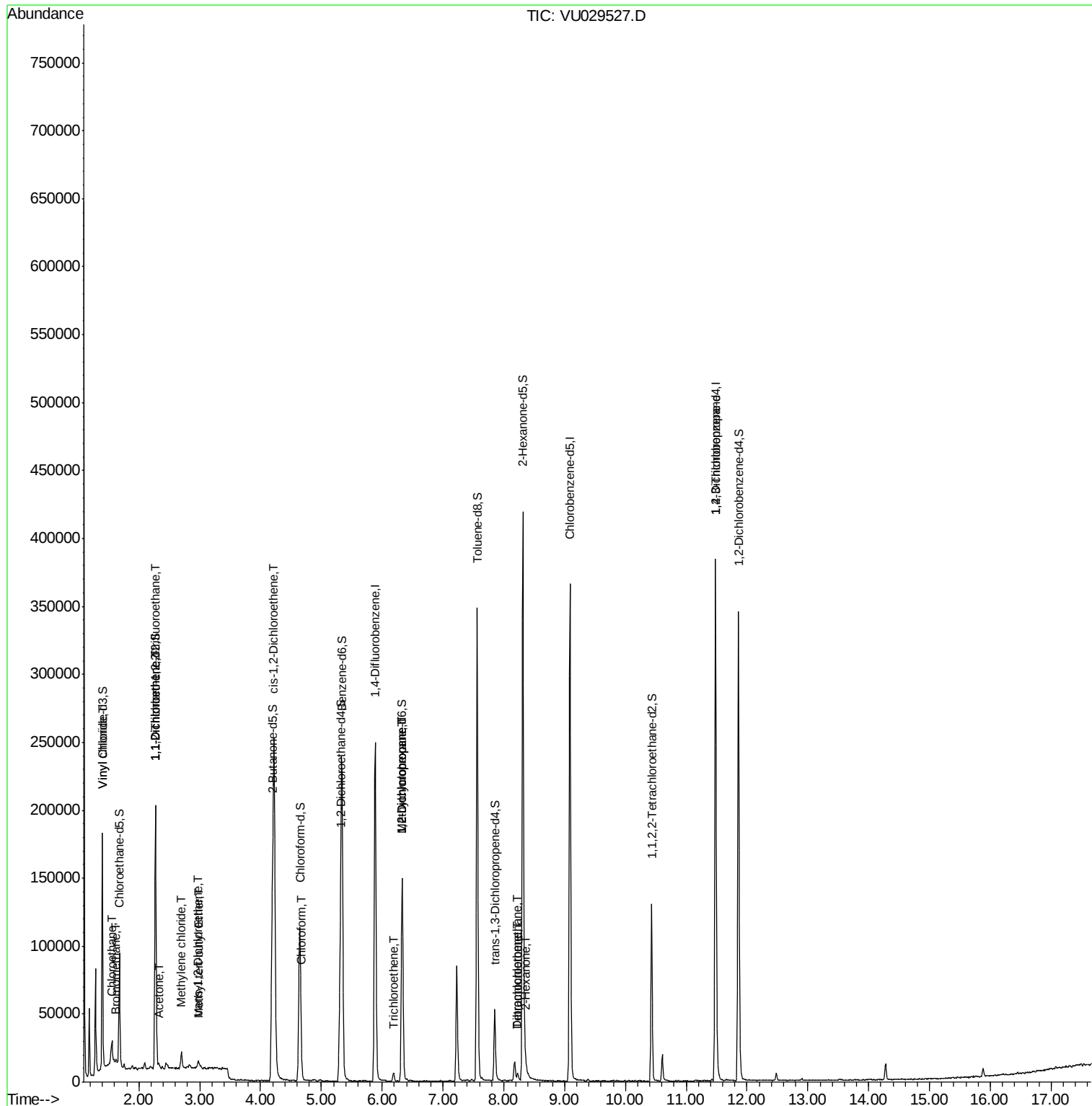
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11720	1.169	ug/L	94

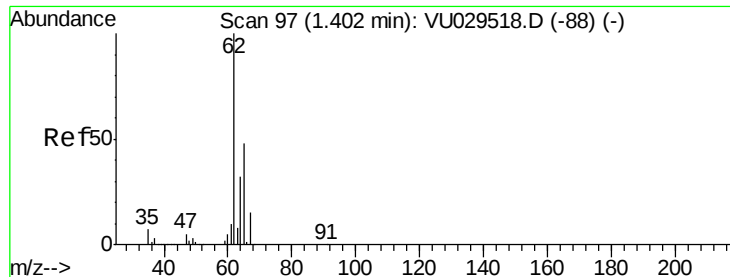
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029527.D
Acq On : 18 Feb 2019 14:09
Operator : JC/SP
Sample : K1489-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

Quant Time: Feb 19 00:23:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.499 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

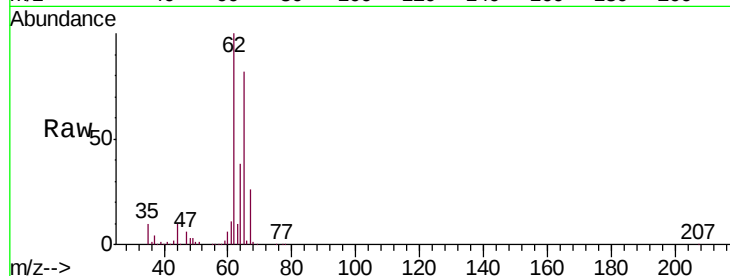
ESXG0DL

Tgt Ion: 62 Resp: 52920

Ion Ratio Lower Upper

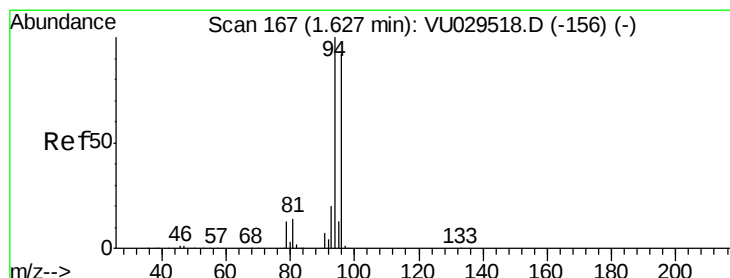
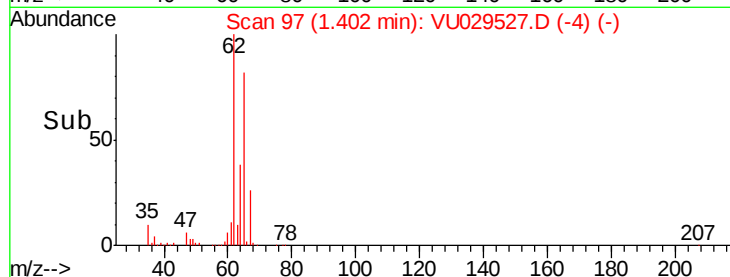
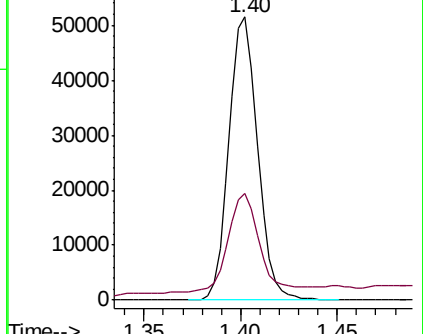
62 100

64 37.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.085 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029527.D

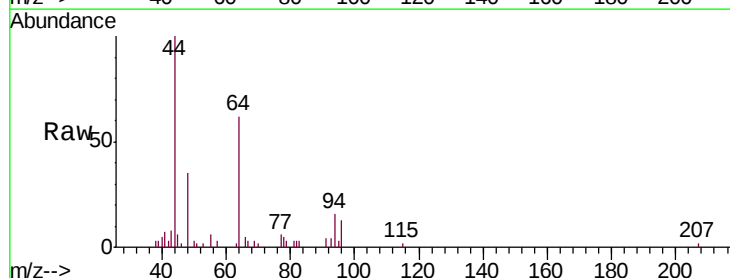
Acq: 18 Feb 2019 14:09

Tgt Ion: 94 Resp: 1044

Ion Ratio Lower Upper

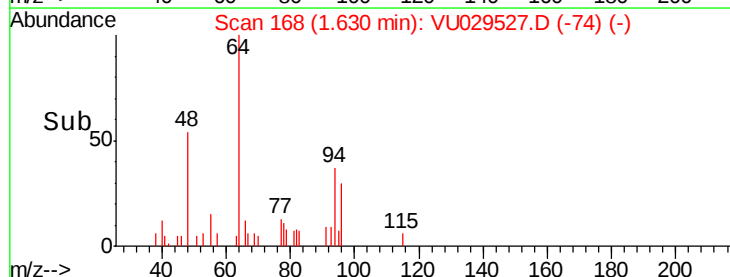
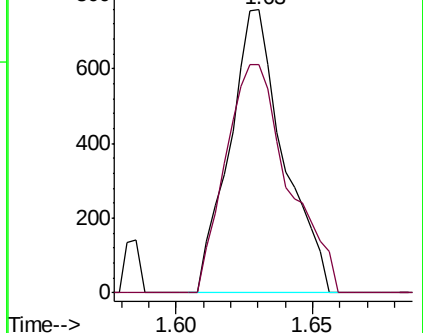
94 100

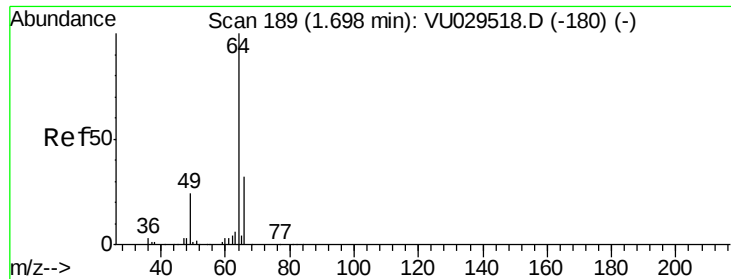
96 80.9 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.298 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.14 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

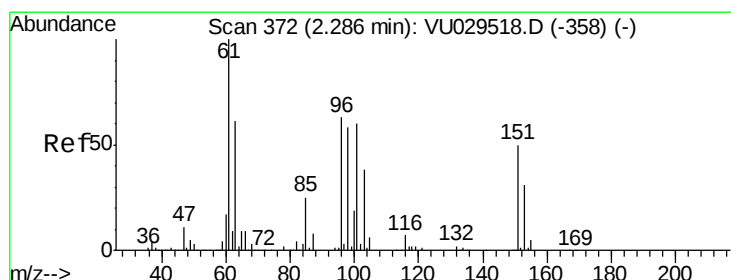
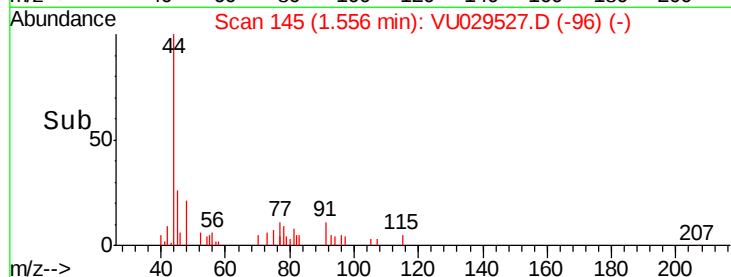
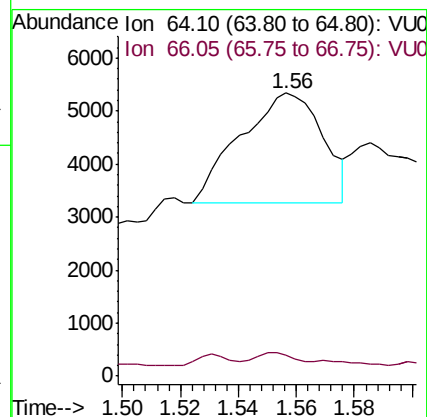
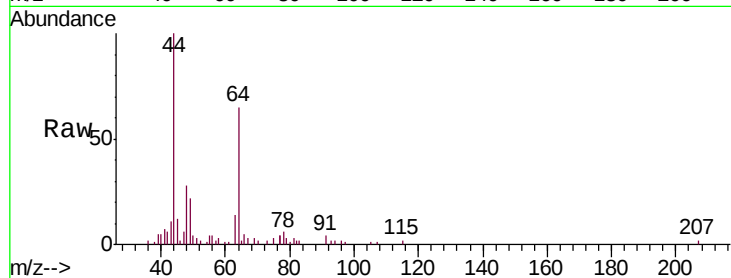
ESXG0DL

Tgt Ion: 64 Resp: 4114

Ion Ratio Lower Upper

64 100

66 7.5 22.0 40.8#



#10

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

Concen: 0.063 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

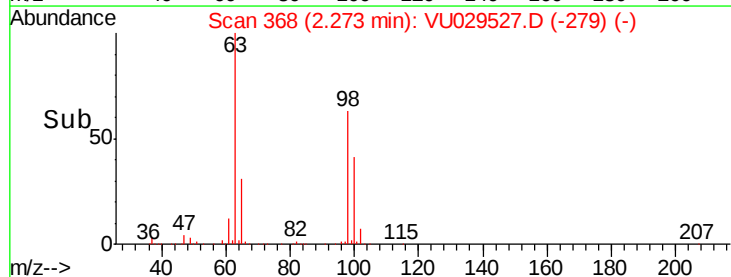
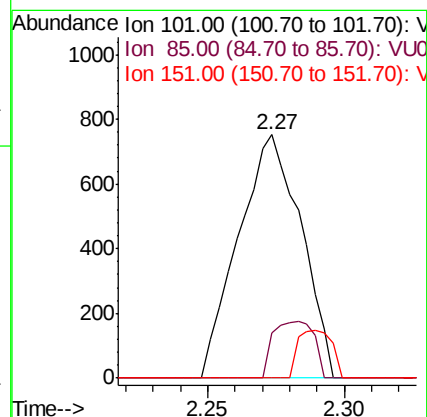
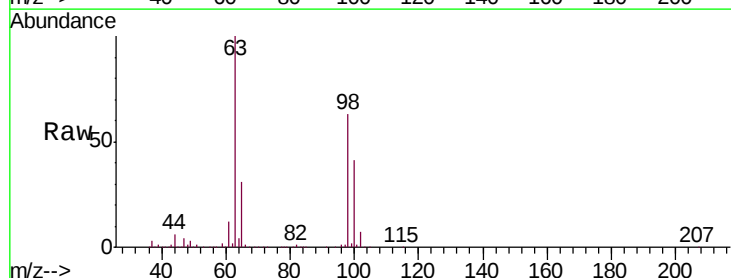
Tgt Ion: 101 Resp: 1199

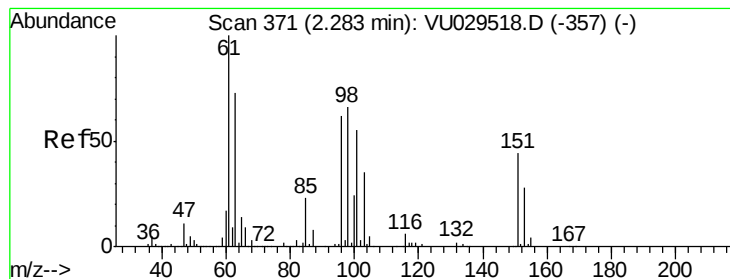
Ion Ratio Lower Upper

101 100

85 15.3 35.1 52.7#

151 10.7 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.083 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

ESXG0DL

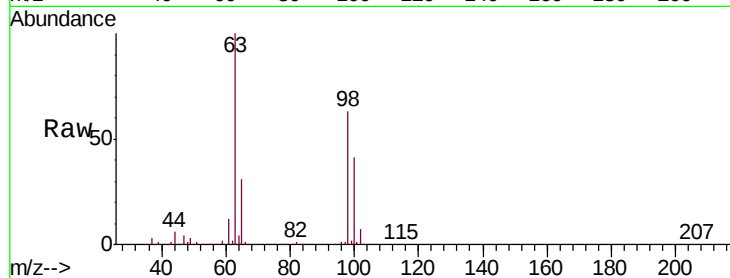
Tgt Ion: 96 Resp: 1503

Ion Ratio Lower Upper

96 100

61 1089.7 115.1 213.7#

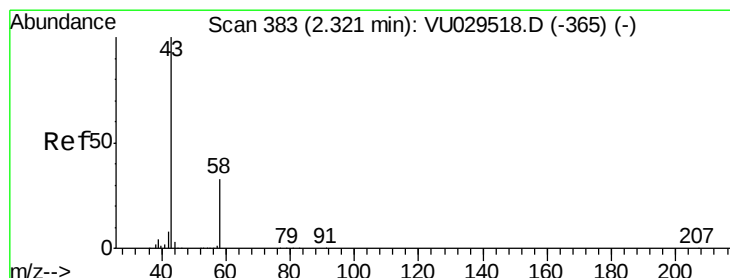
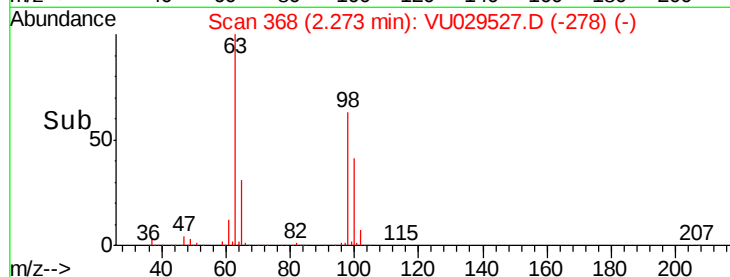
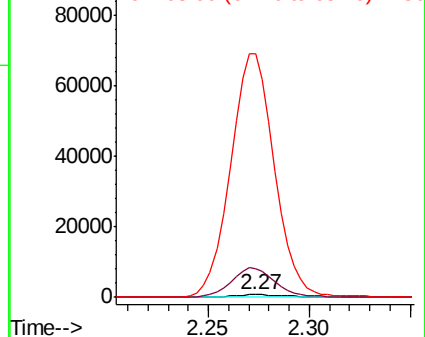
63 9223.5 83.5 155.1#



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: 0.494 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029527.D

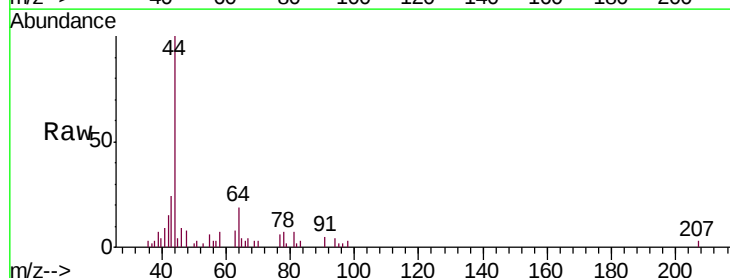
Acq: 18 Feb 2019 14:09

Tgt Ion: 43 Resp: 1378

Ion Ratio Lower Upper

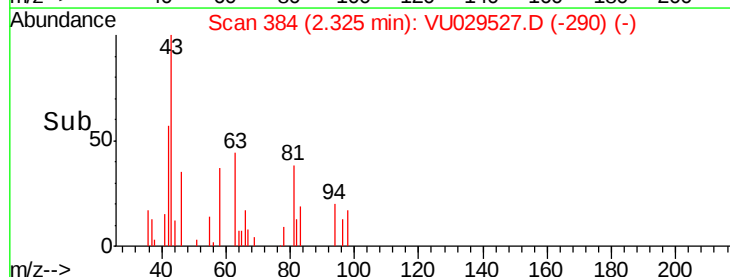
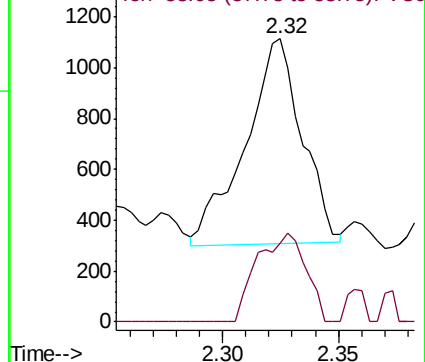
43 100

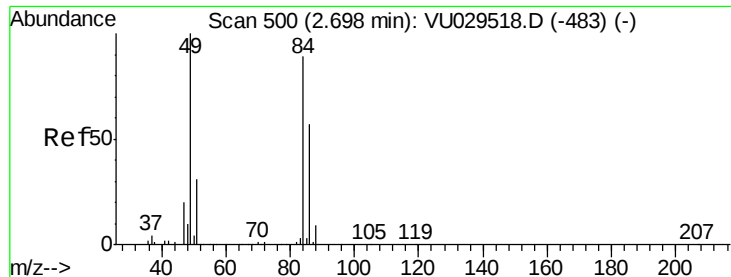
58 37.0 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

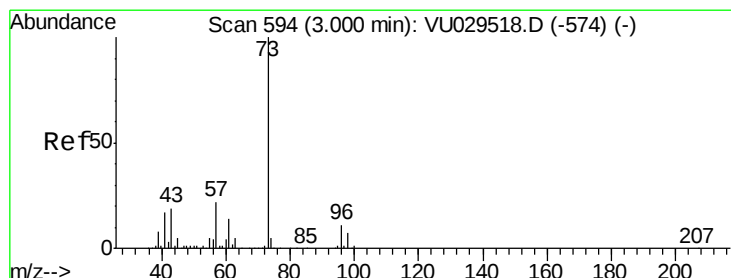
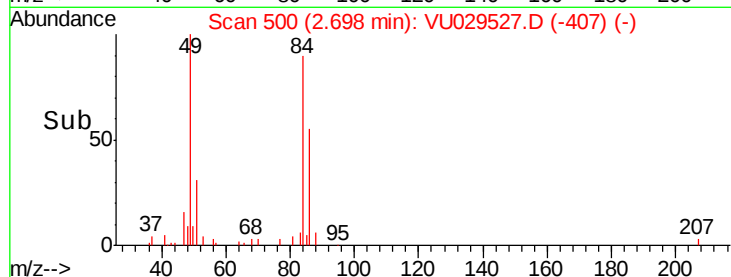
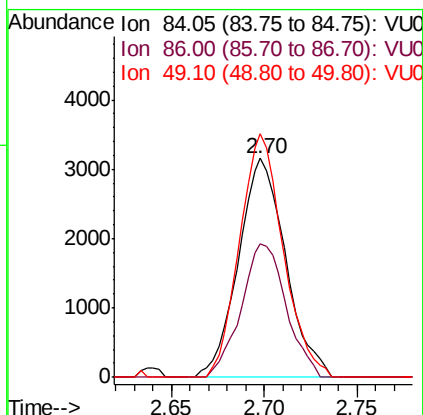
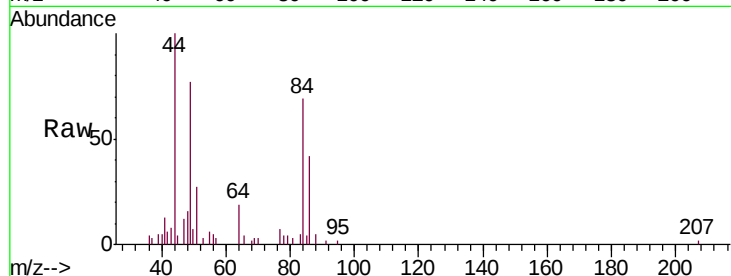




#16
Methylene chloride
Concen: 0.275 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

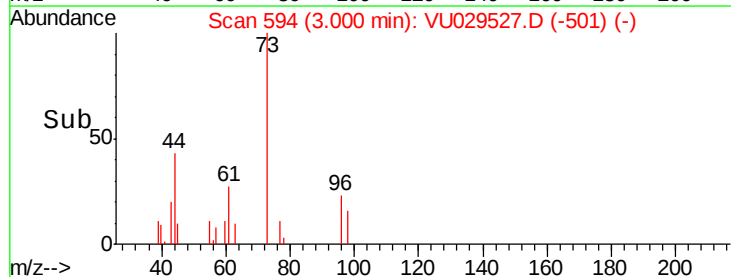
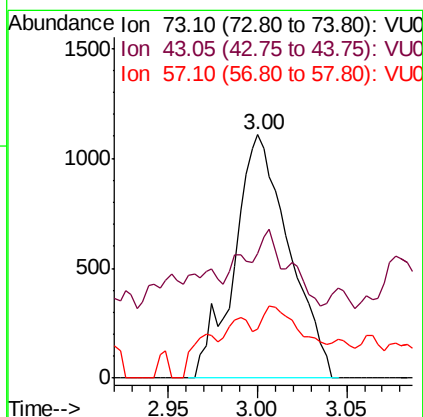
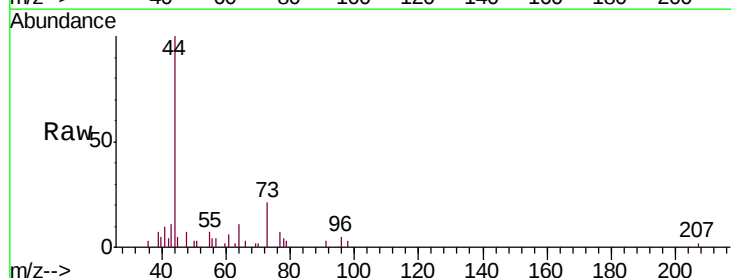
Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

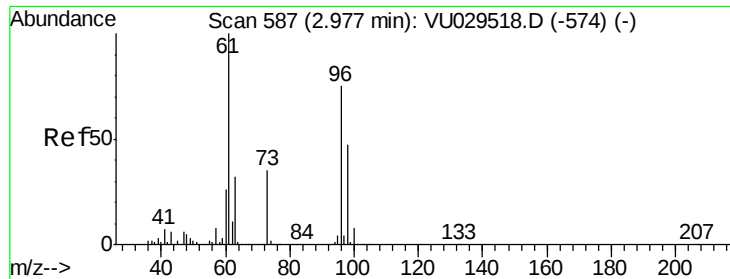
Tgt Ion: 84 Resp: 5597
Ion Ratio Lower Upper
84 100
86 61.3 45.1 83.9
49 111.3 81.8 151.8



#17
Methyl tert-butyl Ether
Concen: 0.052 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

Tgt Ion: 73 Resp: 2364
Ion Ratio Lower Upper
73 100
43 4.2 16.0 24.0#
57 12.5 16.9 25.3#

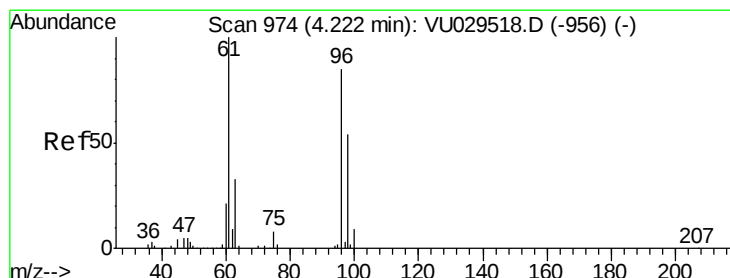
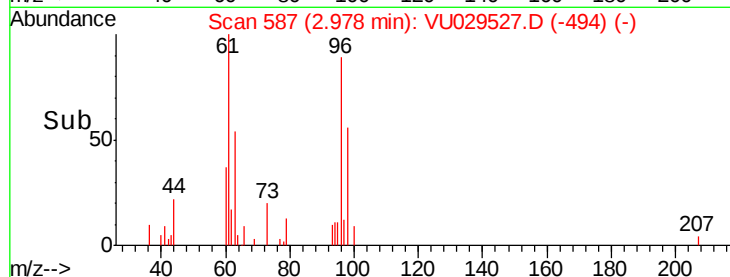
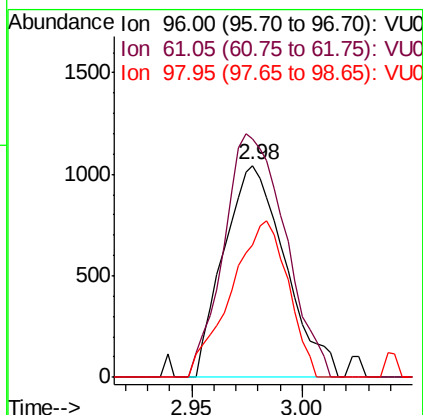
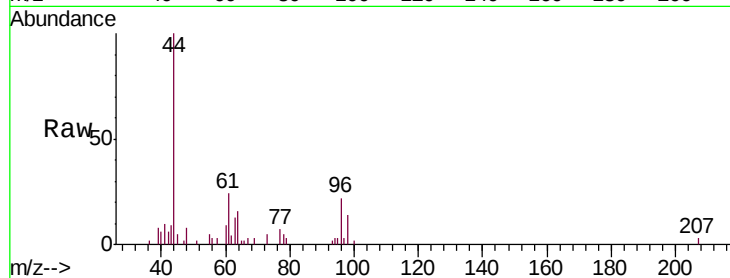




#18
 trans-1,2-Dichloroethene
 Concen: 0.105 ug/L
 RT: 2.98 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VU029527.D
 Acq: 18 Feb 2019 14:09

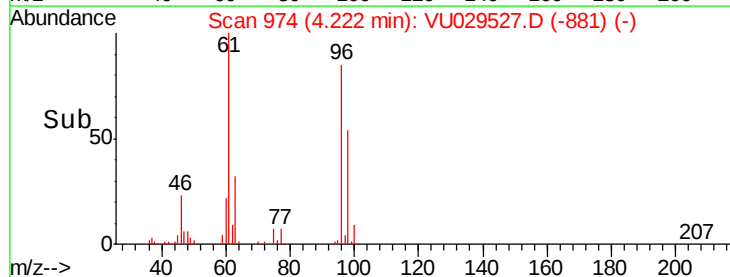
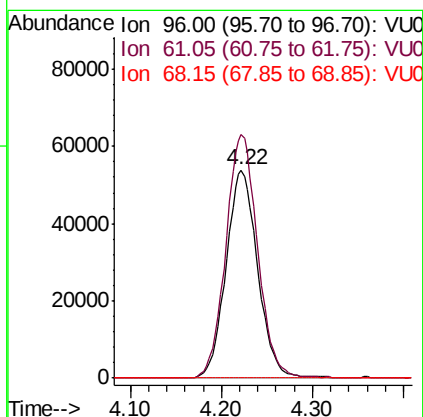
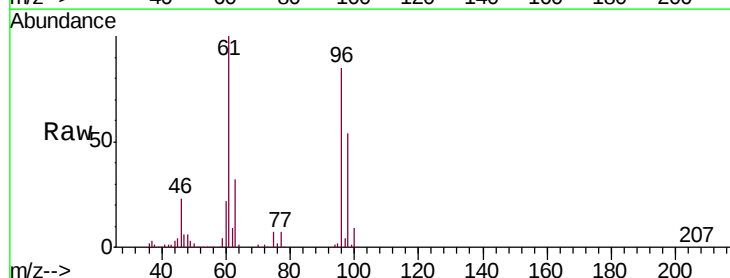
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG0DL

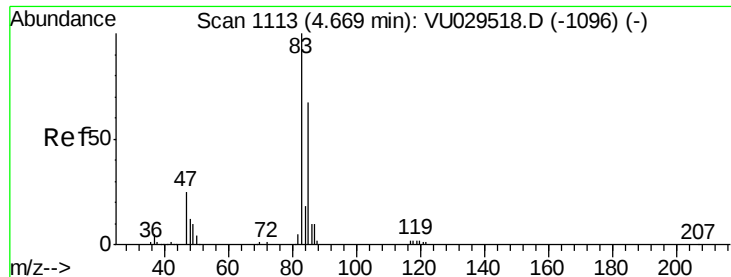
Tgt Ion: 96 Resp: 2019
 Ion Ratio Lower Upper
 96 100
 61 112.3 95.4 177.2
 98 62.5 45.8 85.2



#22
 cis-1,2-Dichloroethene
 Concen: 7.324 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029527.D
 Acq: 18 Feb 2019 14:09

Tgt Ion: 96 Resp: 130007
 Ion Ratio Lower Upper
 96 100
 61 117.0 79.9 148.5
 68 0.0 0.0 0.0

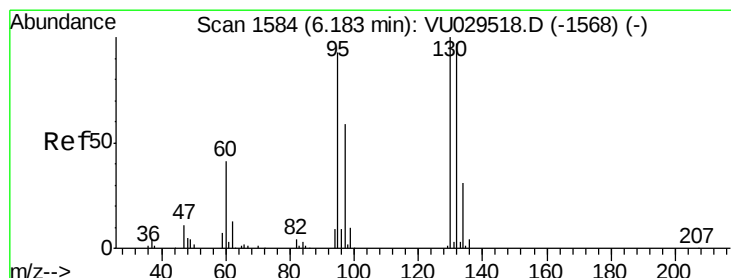
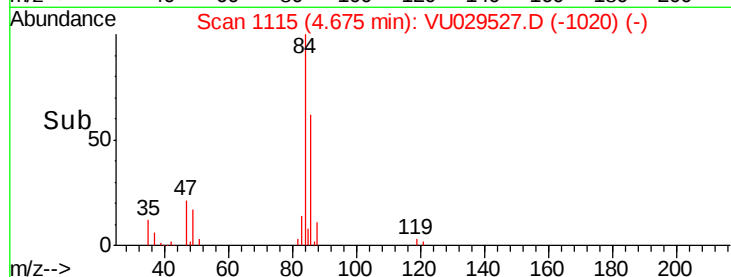
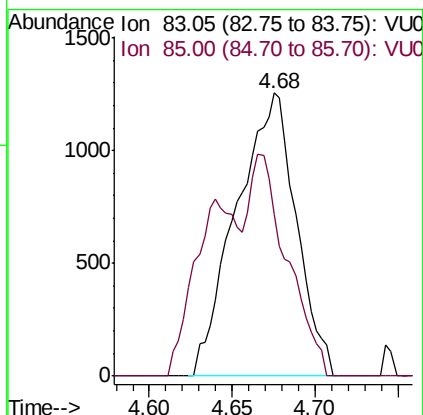
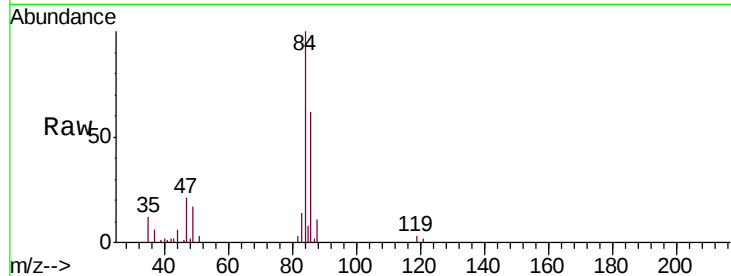




#25
Chloroform
Concen: 0.108 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

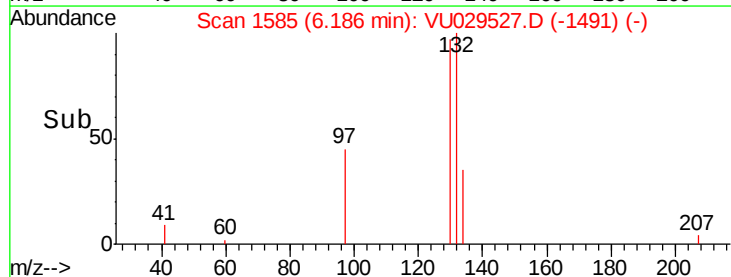
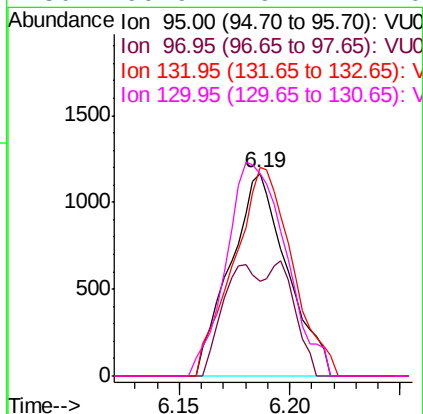
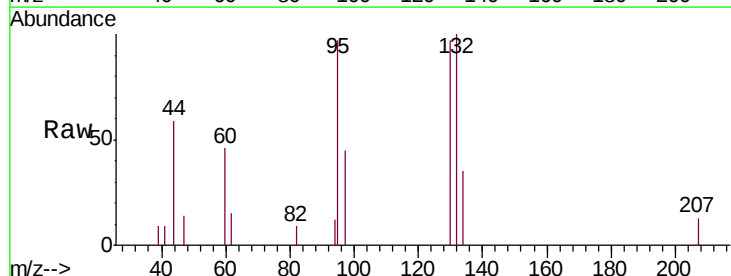
Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

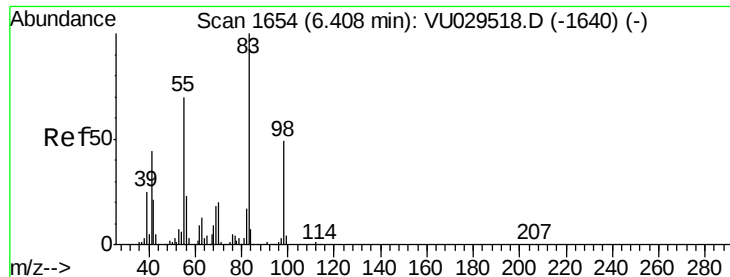
Tgt Ion: 83 Resp: 3143
Ion Ratio Lower Upper
83 100
85 57.2 47.8 88.8



#34
Trichloroethene
Concen: 0.118 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

Tgt Ion: 95 Resp: 2075
Ion Ratio Lower Upper
95 100
97 46.8 46.3 86.1
132 103.1 72.9 135.3
130 99.9 79.2 147.0





#35

Methylcyclohexane

Concen: 0.592 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

ESXG0DL

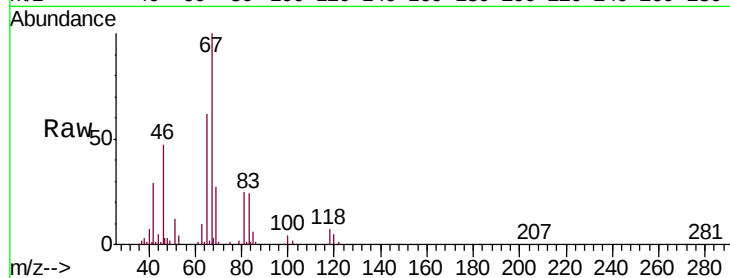
Tgt Ion: 83 Resp: 17470

Ion Ratio Lower Upper

83 100

55 0.0 55.9 83.9#

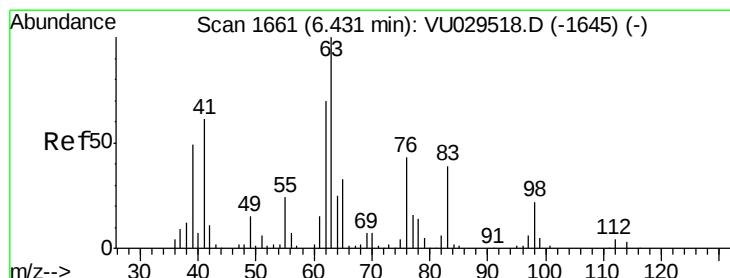
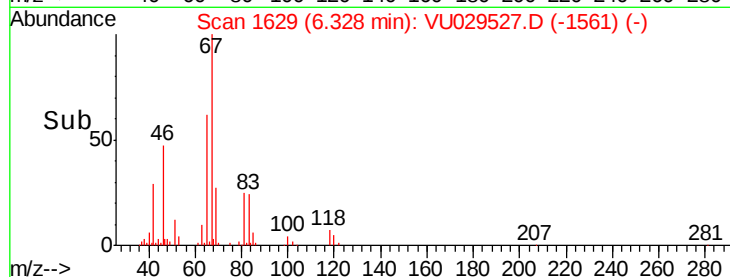
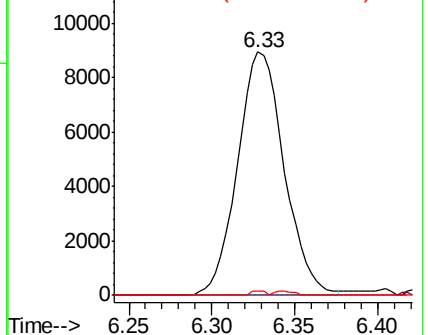
98 0.5 38.6 57.8#



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: 0.499 ug/L

RT: 6.33 min Scan# 1631

Delta R.T. -0.10 min

Lab File: VU029527.D

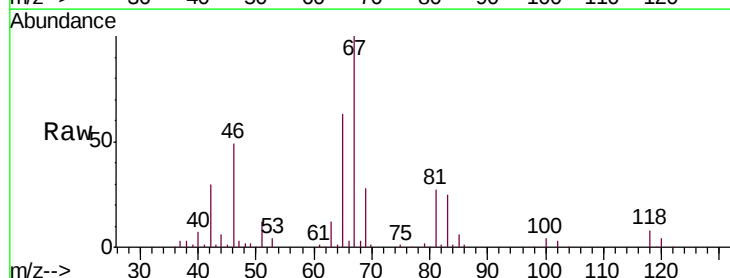
Acq: 18 Feb 2019 14:09

Tgt Ion: 63 Resp: 7804

Ion Ratio Lower Upper

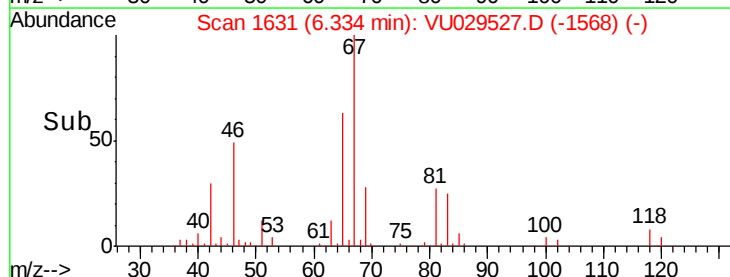
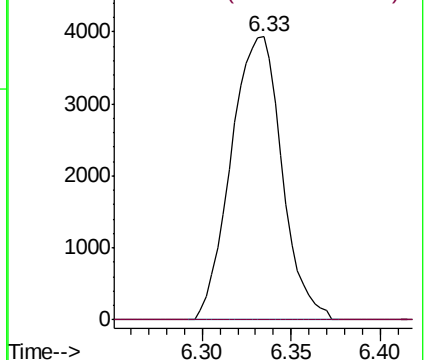
63 100

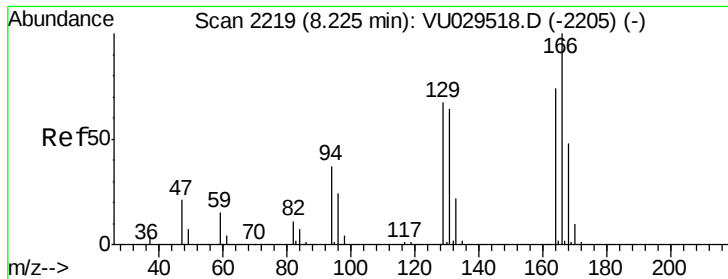
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

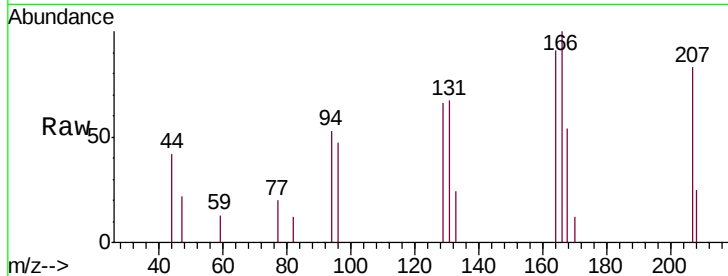




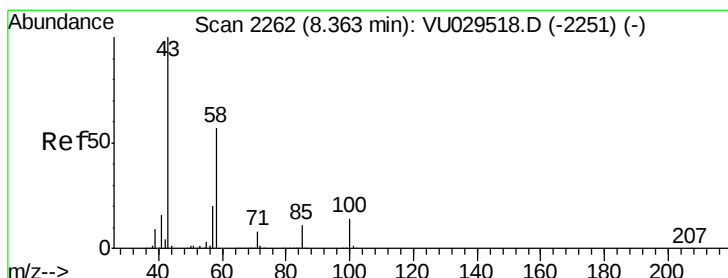
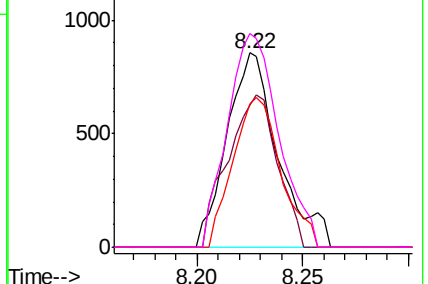
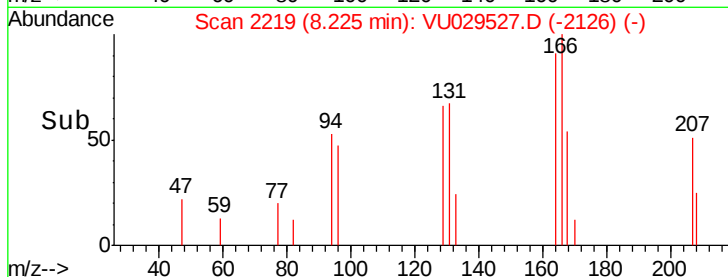
#47
Tetrachloroethene
Concen: 0.090 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

Instrument :
MSVOA_U
ClientSampleId :
ESXG0DL

Tgt Ion:	164	Resp:	1446
Ion	Ratio	Lower	Upper
164	100		
129	73.1	62.9	116.9
131	74.2	62.1	115.3
166	110.1	89.8	166.8

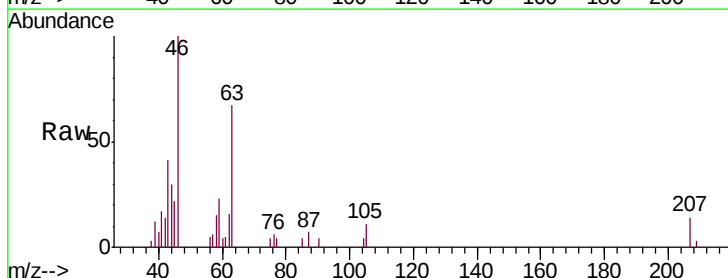


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

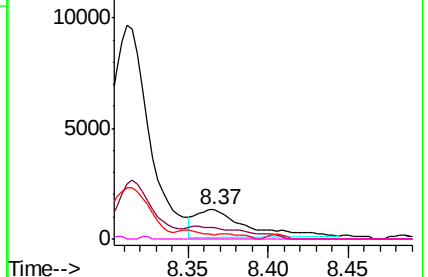
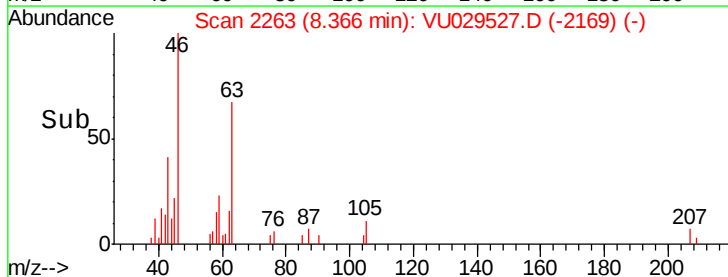


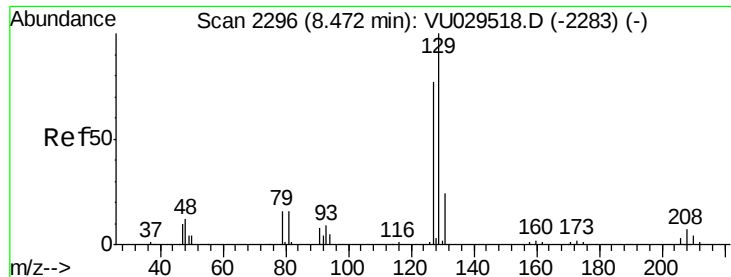
#48
2-Hexanone
Concen: 0.421 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029527.D
Acq: 18 Feb 2019 14:09

Tgt Ion:	43	Resp:	2765
Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.7	68.5
57	7.7	16.4	24.6#
100	0.0	11.1	16.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.068 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU029527.D

Acq: 18 Feb 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

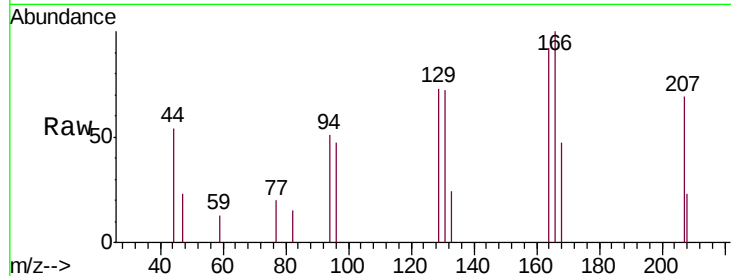
ESXG0DL

Tgt Ion: 129 Resp: 1103

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

8.23

600

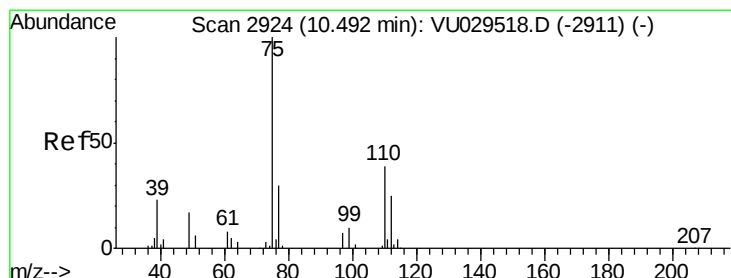
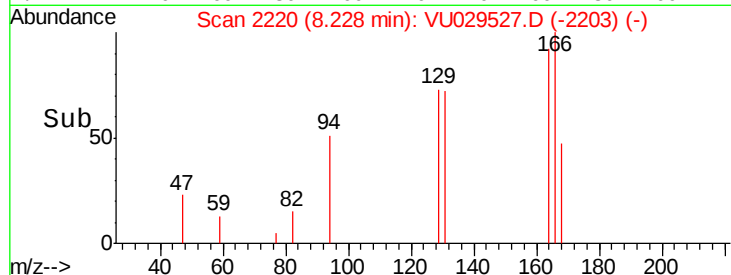
400

200

0

Time-->

8.20 8.25



#59

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029527.D

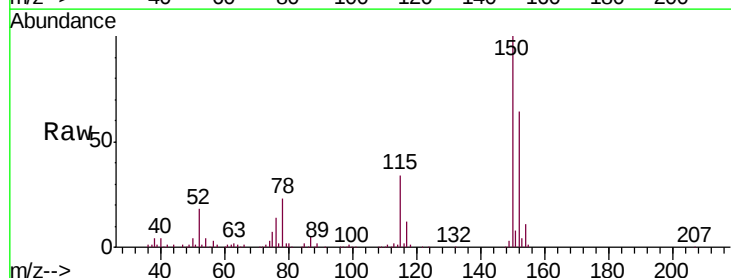
Acq: 18 Feb 2019 14:09

Tgt Ion: 75 Resp: 11720

Ion Ratio Lower Upper

75 100

77 38.5 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

8000

6000

4000

2000

0

Time-->

11.45 11.50 11.55

