

Data File : VU029539.D
Acq On : 18 Feb 2019 18:55
Operator : JC/SP
Sample : K1522-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COAN8

Quant Time: Feb 19 00:25:20 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	212601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205870	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55801	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.68	69	52007	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.27	63	101671	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.19	46	146078	49.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.38%
24) Chloroform-d	4.65	84	93845	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	58458	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	215728	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.33	67	67482	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.56	98	212703	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	27897	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.31	63	150467	50.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59956	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	93636	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.89	101	60380	1.927 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1089	0.059 ug/L #	17
12) 1,1-Dichloroethene	2.29	96	19691	1.125 ug/L #	55
13) Acetone	2.32	43	3626	1.344 ug/L	88
15) Methyl Acetate	2.44	43	11605	1.679 ug/L #	47
19) 1,1-Dichloroethane	3.44	63	1381	0.049 ug/L #	85
22) cis-1,2-Dichloroethene	4.22	96	6249	0.364 ug/L	89
25) Chloroform	4.67	83	14858	0.528 ug/L	97
27) 1,2-Dichloroethane	5.41	62	22130	1.360 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	9891	0.388 ug/L	93
33) Benzene	5.39	78	4527	0.075 ug/L	100
34) Trichloroethene	6.18	95	1438356	84.421 ug/L	97
35) Methylcyclohexane	6.33	83	15775	0.550 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7696	0.507 ug/L #	87
47) Tetrachloroethene	8.22	164	33621	2.154 ug/L	98
48) 2-Hexanone	8.37	43	2160	0.339 ug/L #	77
49) Dibromochloromethane	8.22	129	30583	1.952 ug/L #	11

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

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C0AN8

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

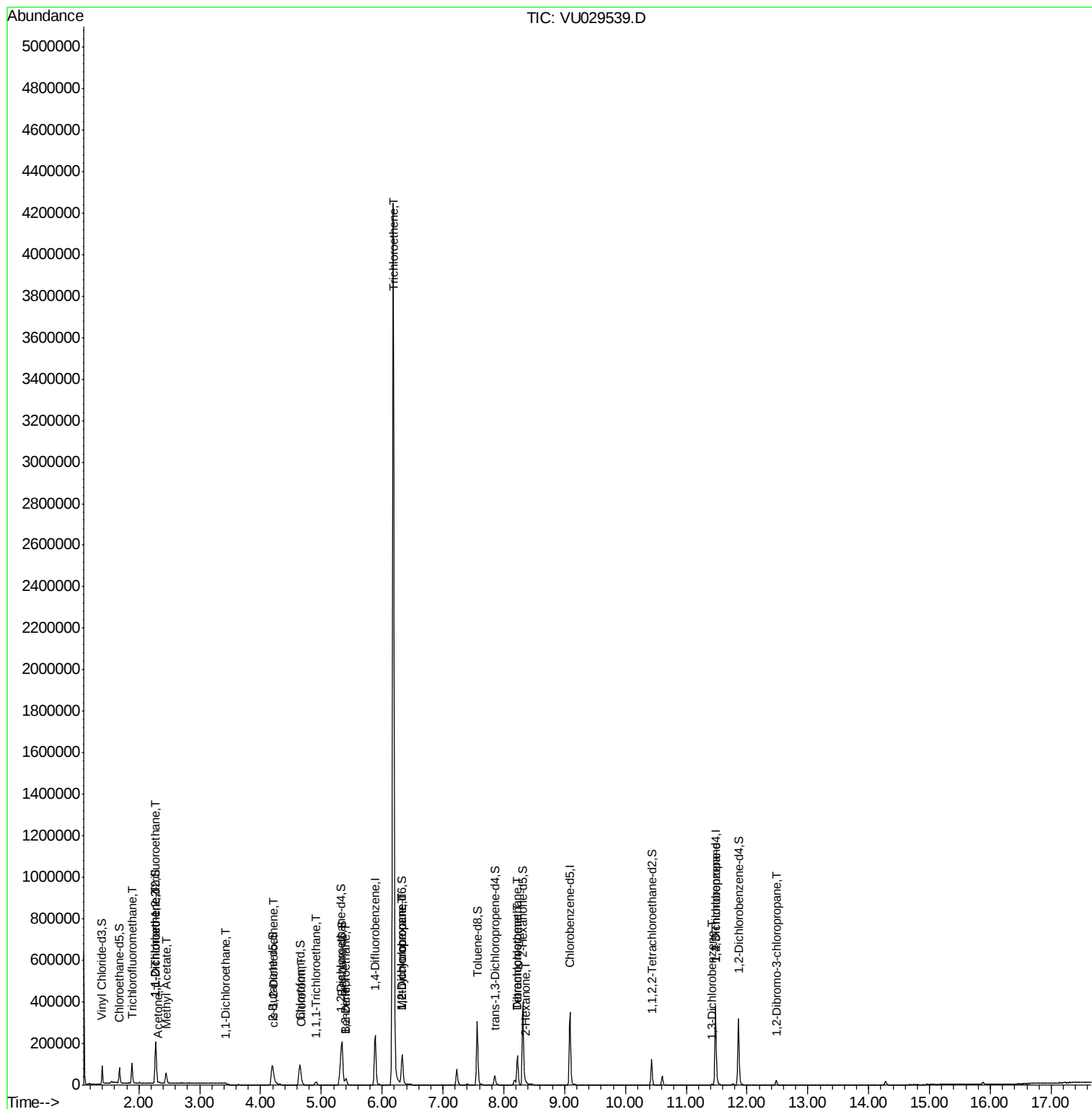
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	12039	1.237	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	2099	0.053	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	601	0.255	ug/L #	1

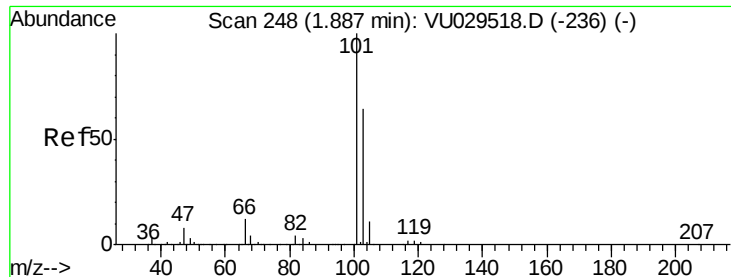
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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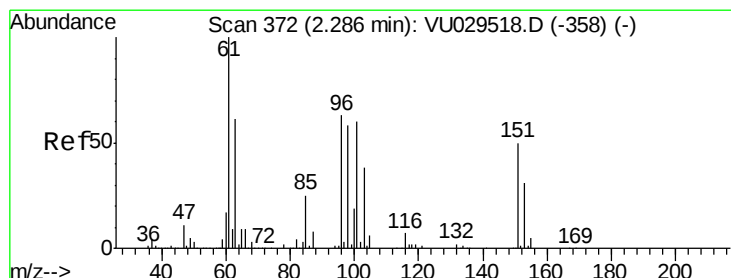
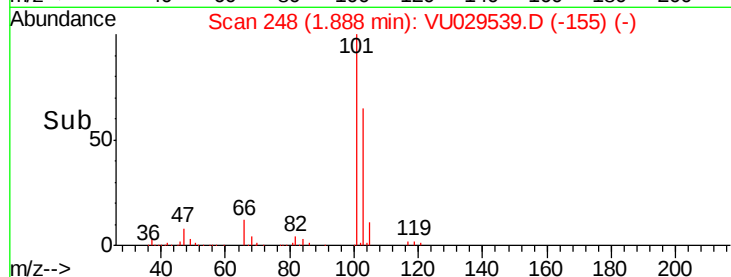
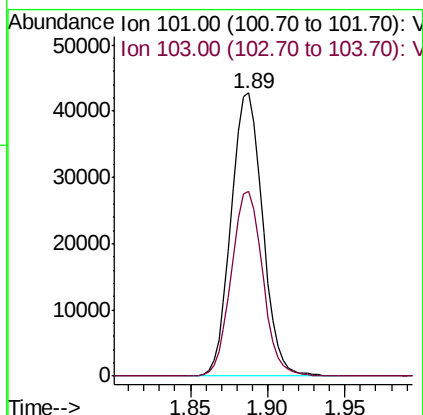
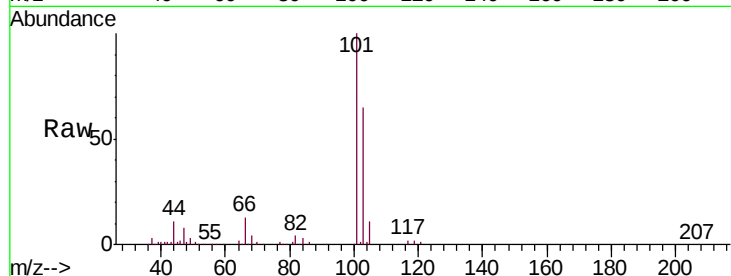


#9

Trichlorofluoromethane
 Concen: 1.927 ug/L
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU029539.D
 Acq: 18 Feb 2019 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 COAN8

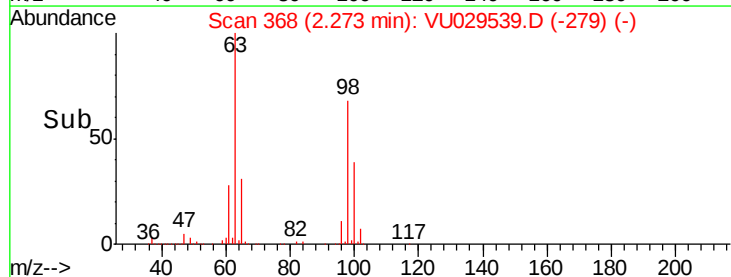
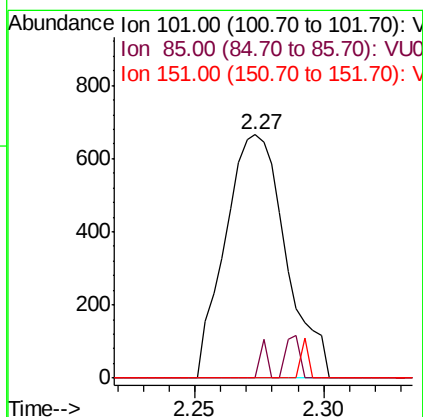
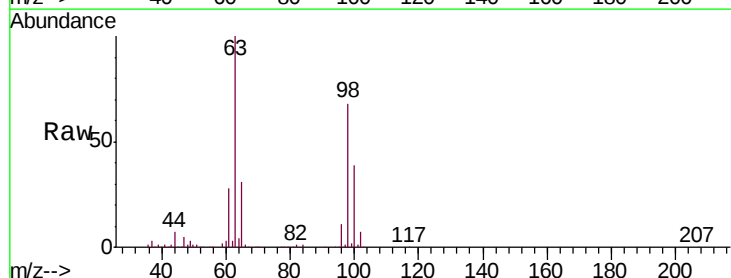
Tgt Ion:101 Resp: 60380
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.1 78.1

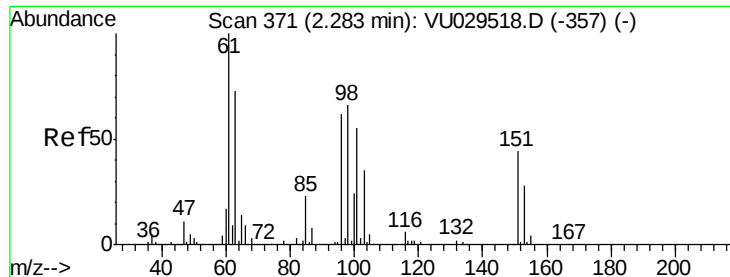


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.059 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU029539.D
 Acq: 18 Feb 2019 18:55

Tgt Ion:101 Resp: 1089
 Ion Ratio Lower Upper
 101 100
 85 1.9 35.1 52.7#
 151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 1.125 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

C0AN8

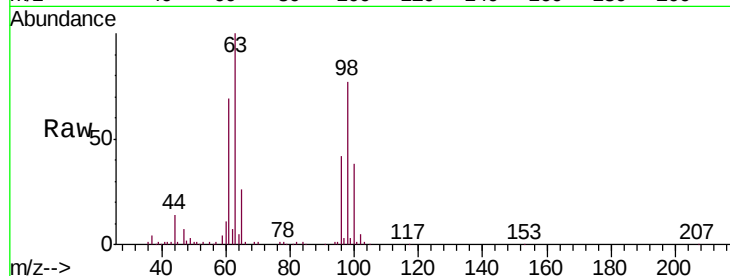
Tgt Ion: 96 Resp: 19691

Ion Ratio Lower Upper

96 100

61 163.7 115.1 213.7

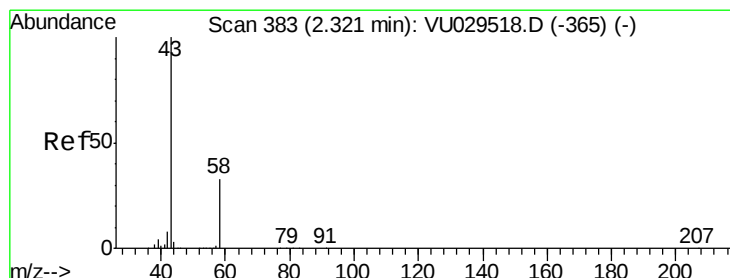
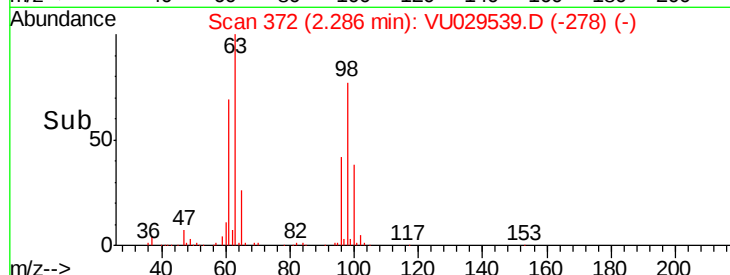
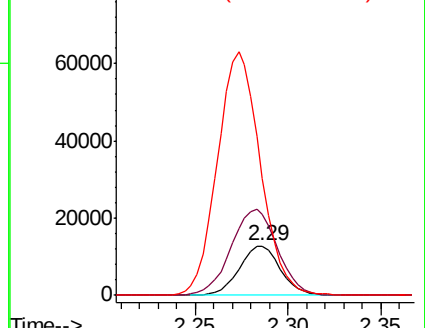
63 237.0 83.5 155.1#



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: 1.344 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029539.D

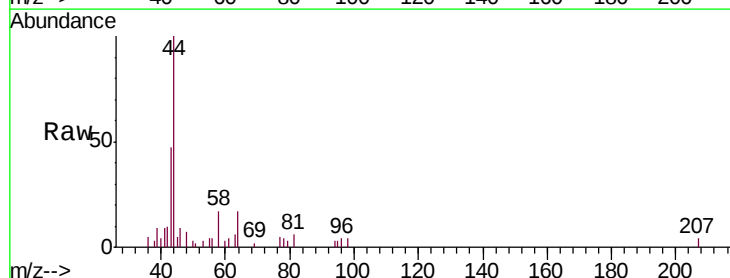
Acq: 18 Feb 2019 18:55

Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

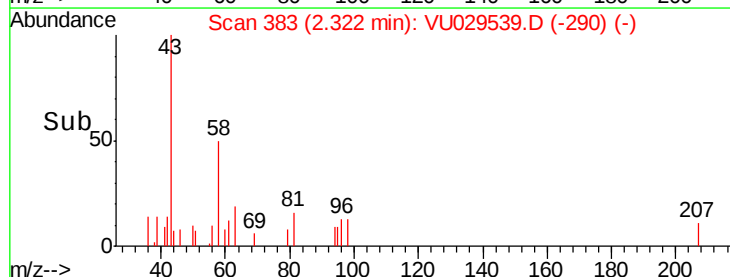
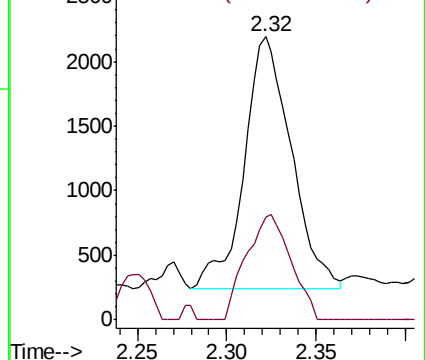
43 100

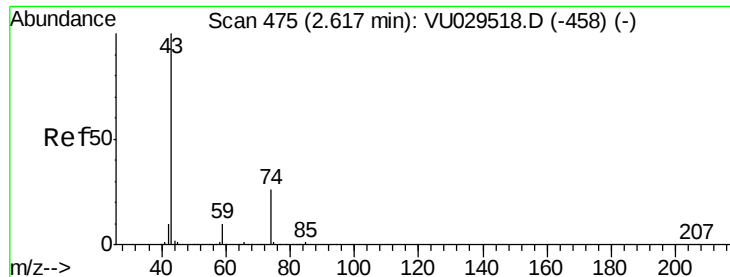
58 39.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 1.679 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.17 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

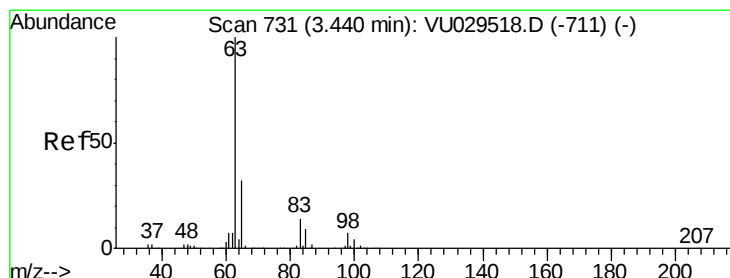
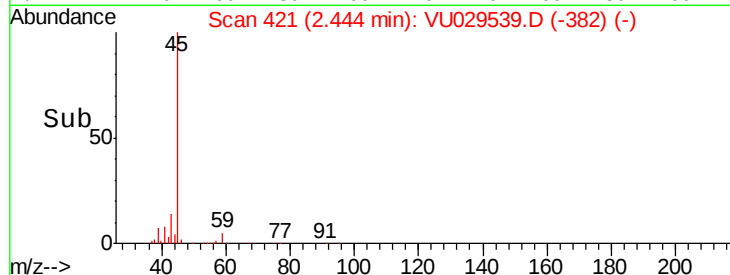
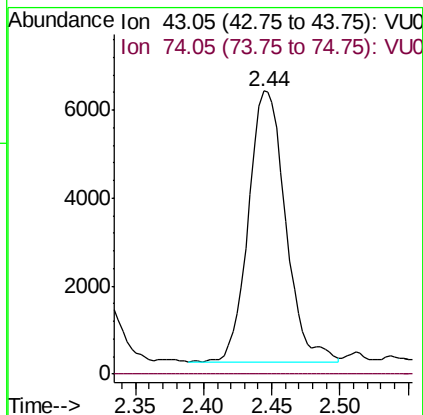
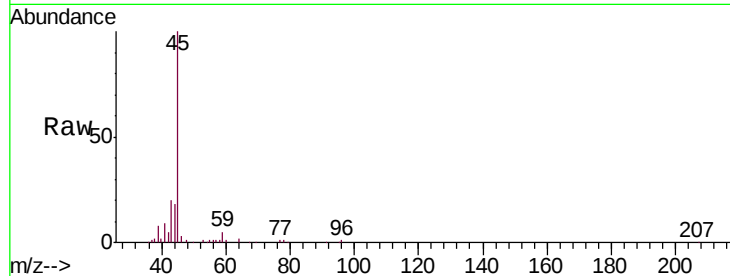
C0AN8

Tgt Ion: 43 Resp: 11605

Ion Ratio Lower Upper

43 100

74 0.0 22.3 33.5#



#19

1,1-Dichloroethane

Concen: 0.049 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

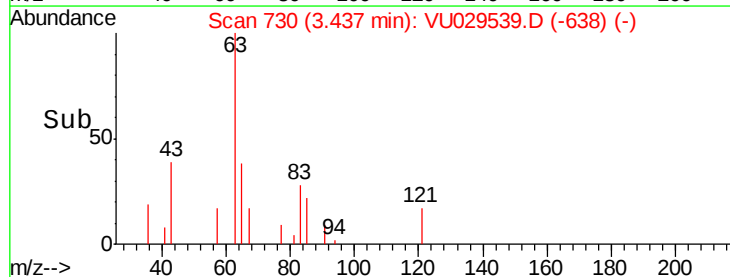
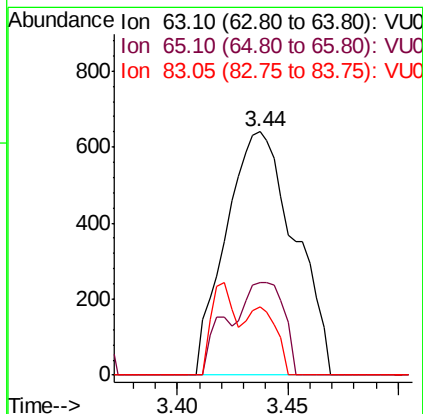
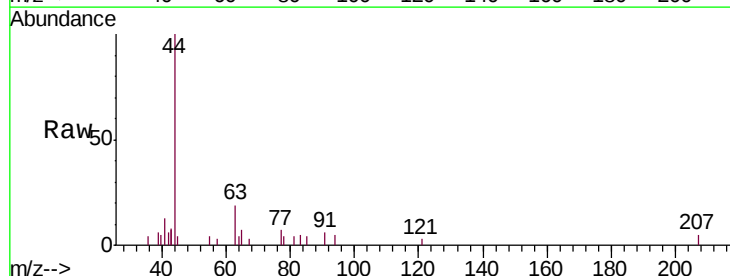
Tgt Ion: 63 Resp: 1381

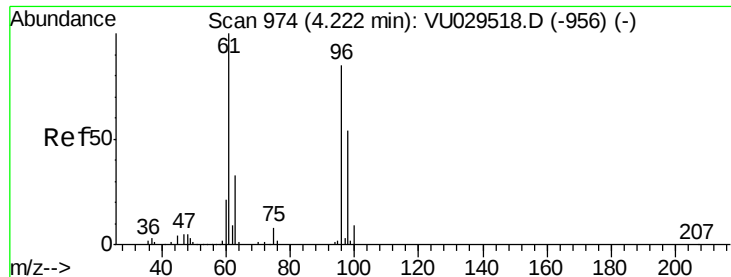
Ion Ratio Lower Upper

63 100

65 38.1 23.5 43.7

83 28.2 10.3 19.1#



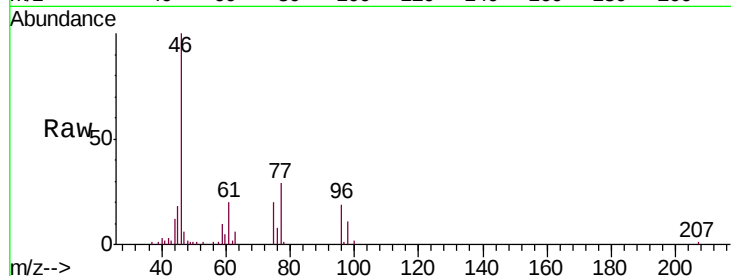


#22

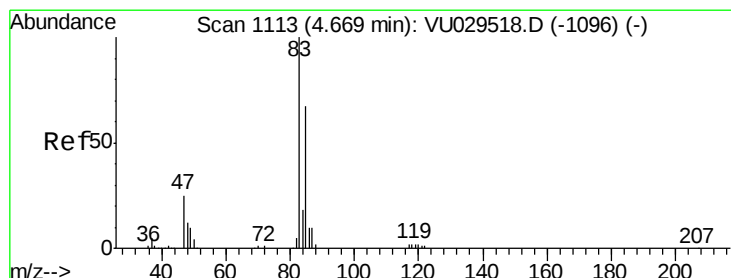
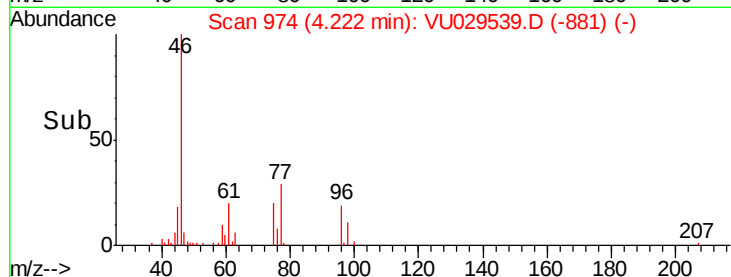
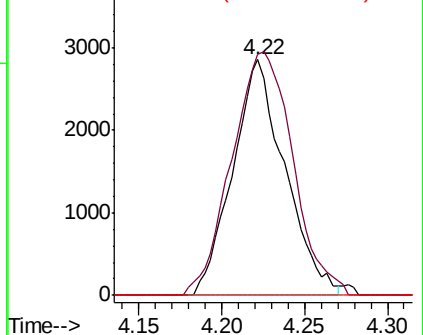
cis-1,2-Dichloroethene
 Concen: 0.364 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029539.D
 Acq: 18 Feb 2019 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AN8

Tgt Ion: 96 Resp: 6249
 Ion Ratio Lower Upper
 96 100
 61 102.1 79.9 148.5
 68 0.0 0.0 0.0



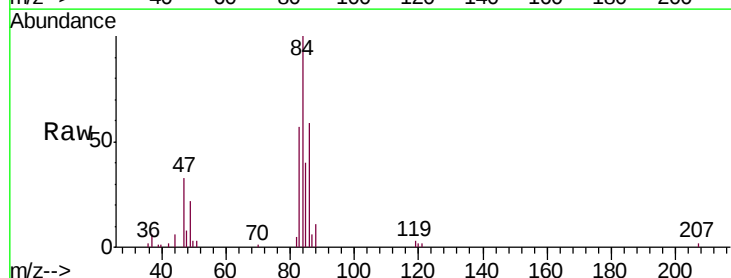
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



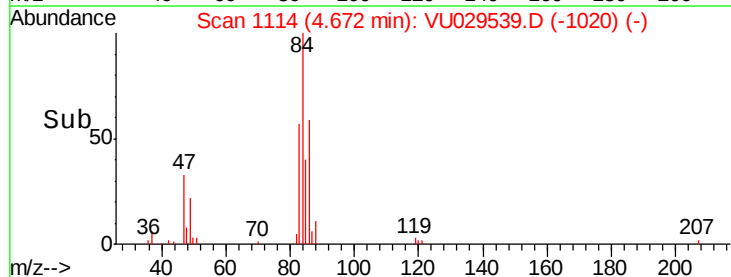
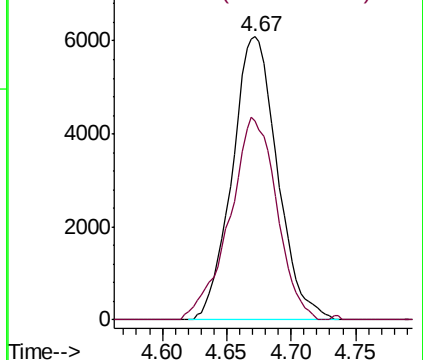
#25

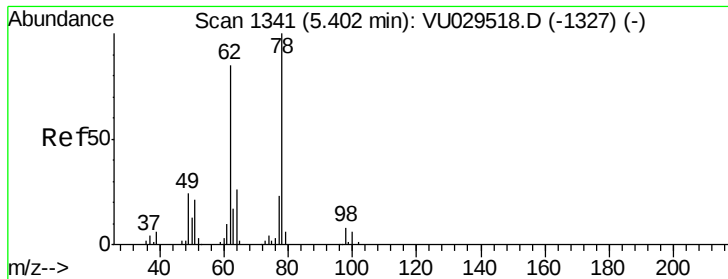
Chloroform
 Concen: 0.528 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029539.D
 Acq: 18 Feb 2019 18:55

Tgt Ion: 83 Resp: 14858
 Ion Ratio Lower Upper
 83 100
 85 70.4 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: 1.360 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

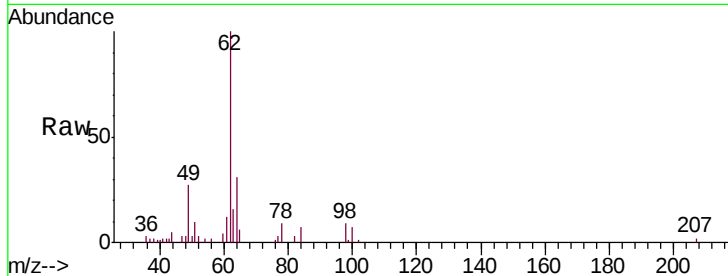
C0AN8

Tgt Ion: 62 Resp: 22130

Ion Ratio Lower Upper

62 100

98 8.9 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

12000

10000

8000

6000

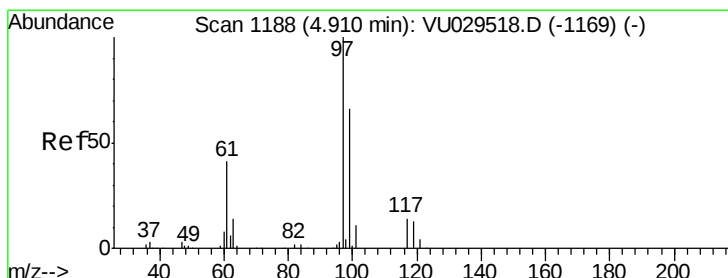
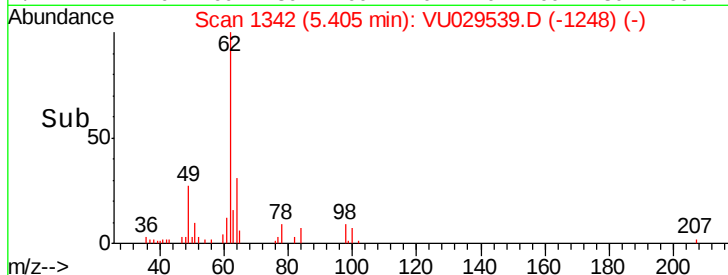
4000

2000

0

5.35 5.40 5.45 5.50

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.388 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

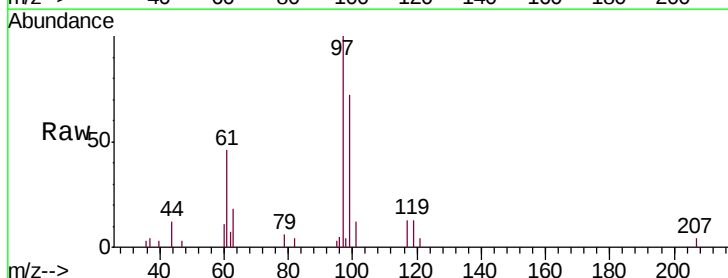
Tgt Ion: 97 Resp: 9891

Ion Ratio Lower Upper

97 100

99 69.4 52.2 78.2

61 45.3 32.0 48.0



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

5000

4000

3000

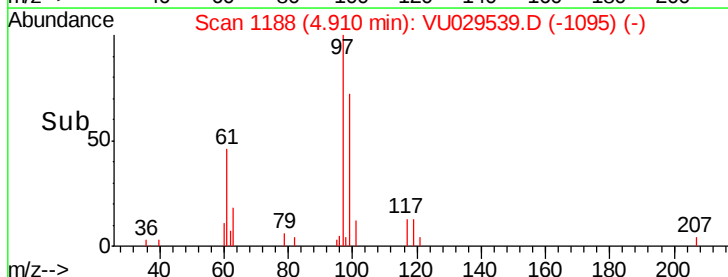
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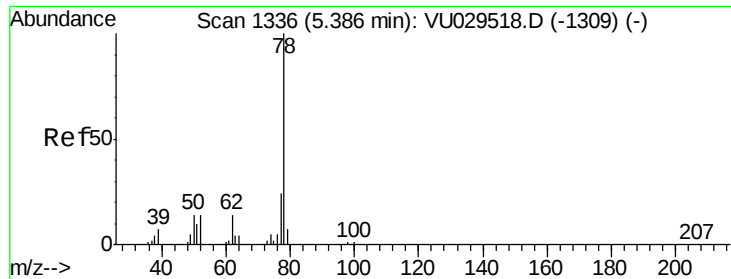
1000

0

4.85 4.90 4.95 5.00

Time-->

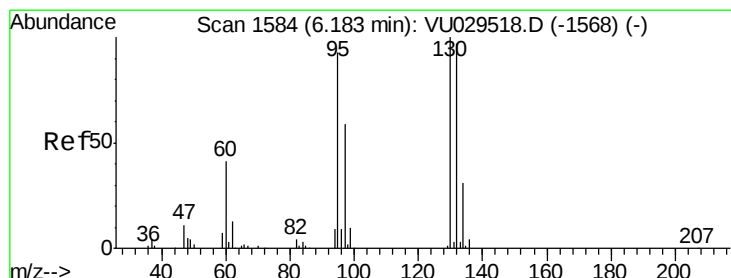
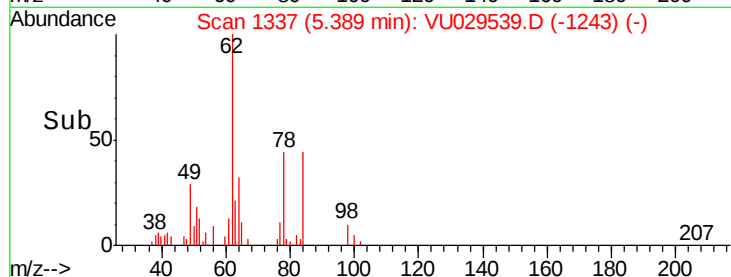
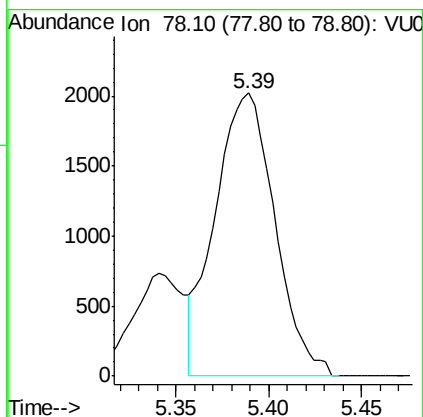
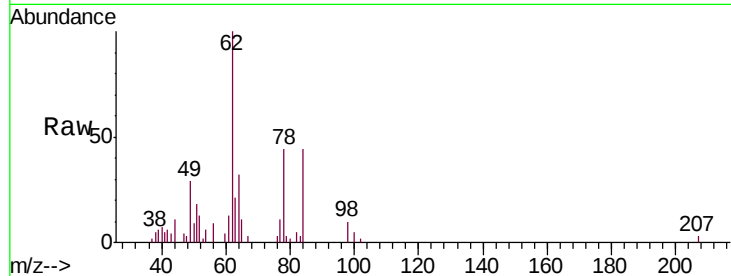




#33
Benzene
Concen: 0.075 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

Tgt Ion: 78 Resp: 4527

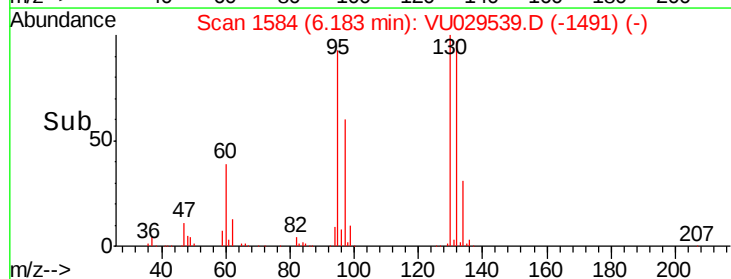
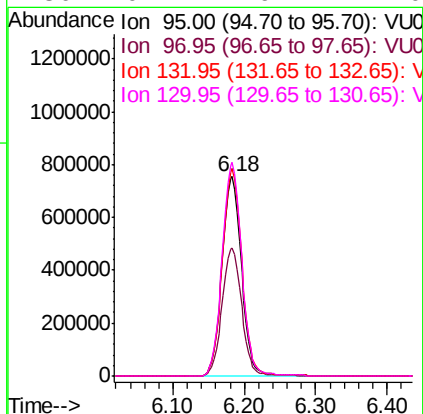
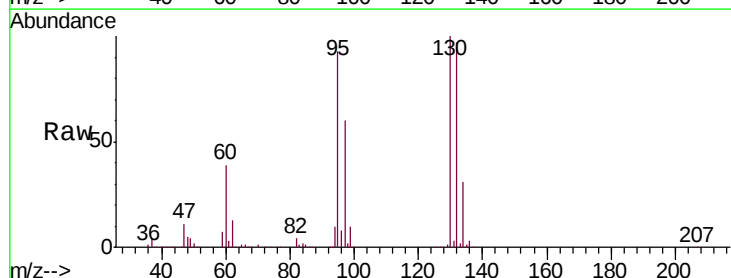
Instrument :
MSVOA_U
ClientSampled :
COAN8

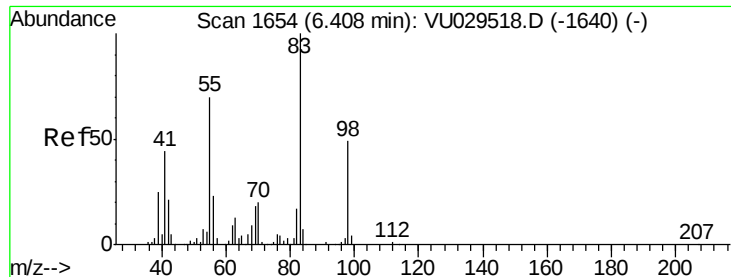


#34
Trichloroethene
Concen: 84.421 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

Tgt Ion: 95 Resp: 1438356

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.3	86.1
132	103.9	72.9	135.3
130	107.1	79.2	147.0

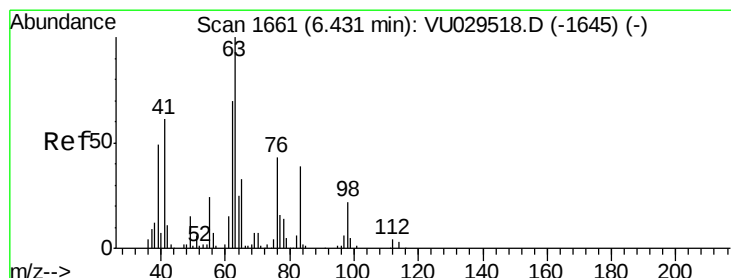
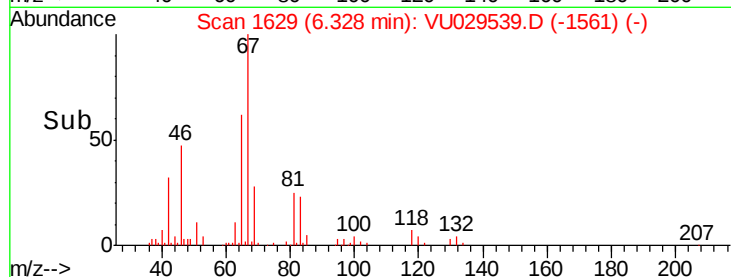
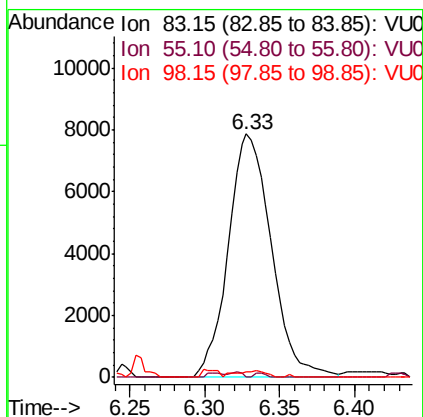
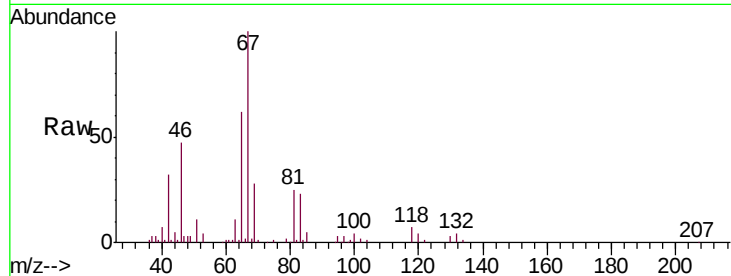




#35
Methylcyclohexane
Concen: 0.550 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

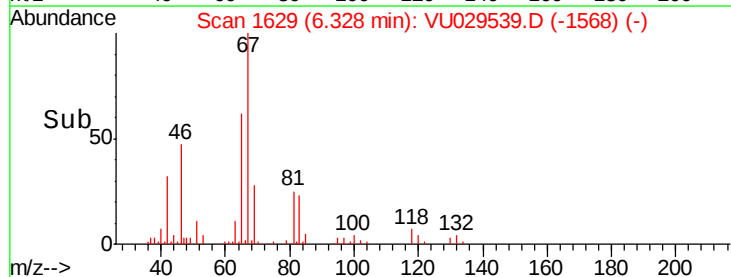
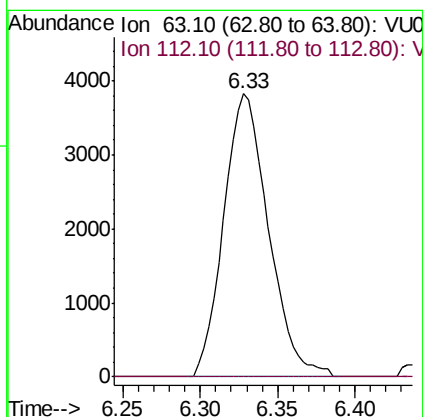
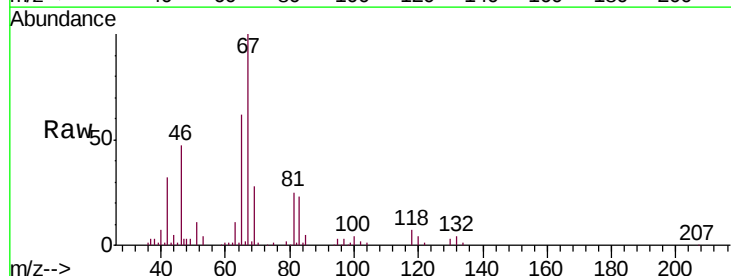
Instrument :
MSVOA_U
ClientSampleId :
COAN8

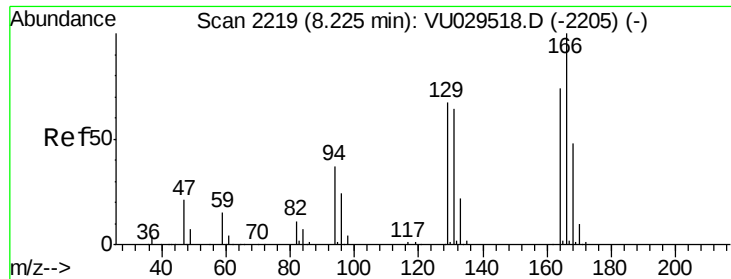
Tgt Ion: 83 Resp: 15775
Ion Ratio Lower Upper
83 100
55 0.7 55.9 83.9#
98 0.0 38.6 57.8#



#37
1,2-Dichloropropane
Concen: 0.507 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

Tgt Ion: 63 Resp: 7696
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

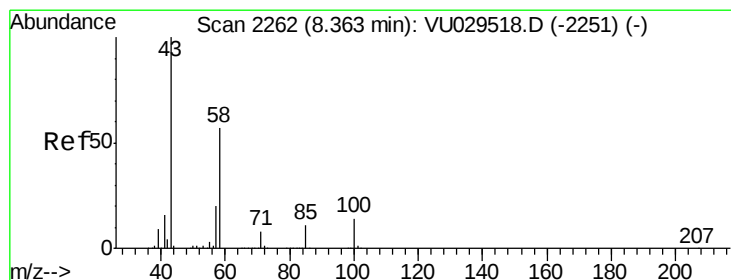
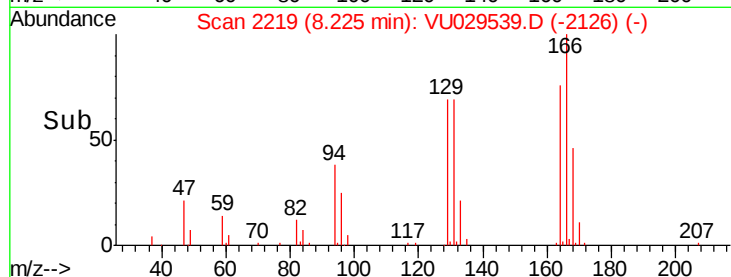
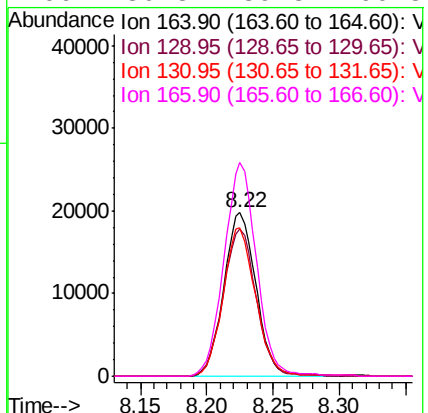
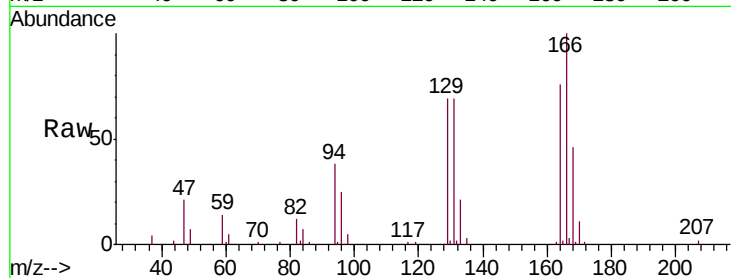




#47
Tetrachloroethene
Concen: 2.154 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

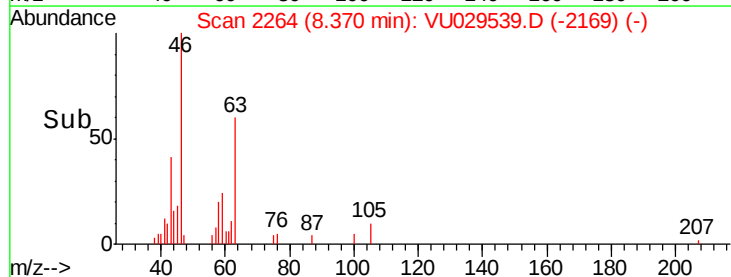
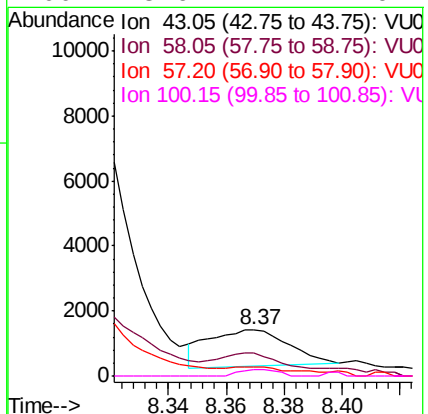
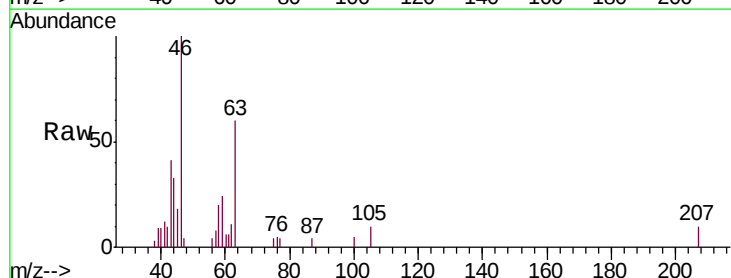
Instrument :
MSVOA_U
ClientSampleId :
C0AN8

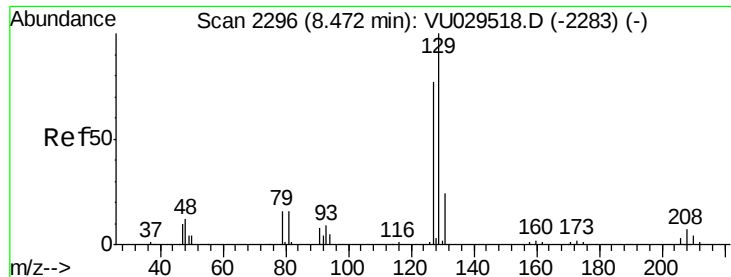
Tgt Ion:	164	Resp:	33621
Ion	Ratio	Lower	Upper
164	100		
129	90.3	62.9	116.9
131	90.6	62.1	115.3
166	130.8	89.8	166.8



#48
2-Hexanone
Concen: 0.339 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029539.D
Acq: 18 Feb 2019 18:55

Tgt Ion:	43	Resp:	2160
Ion	Ratio	Lower	Upper
43	100		
58	33.5	45.7	68.5#
57	21.9	16.4	24.6
100	8.6	11.1	16.7#





#49

Dibromochloromethane

Concen: 1.952 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

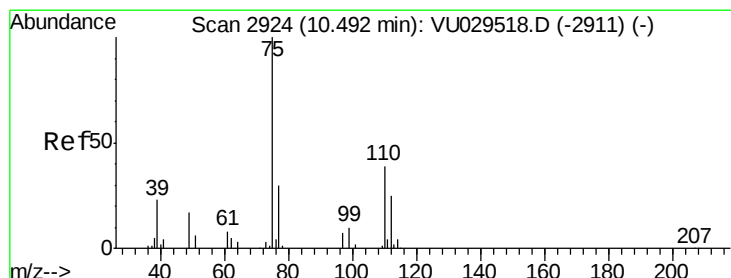
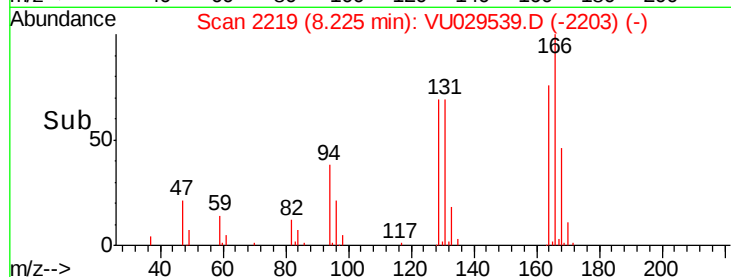
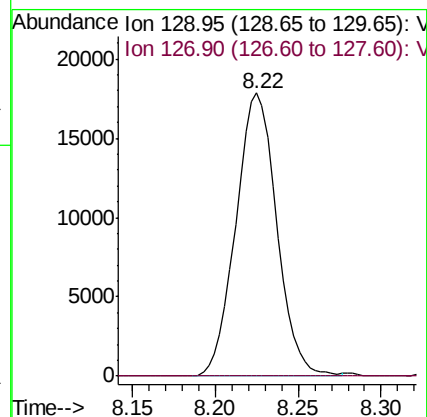
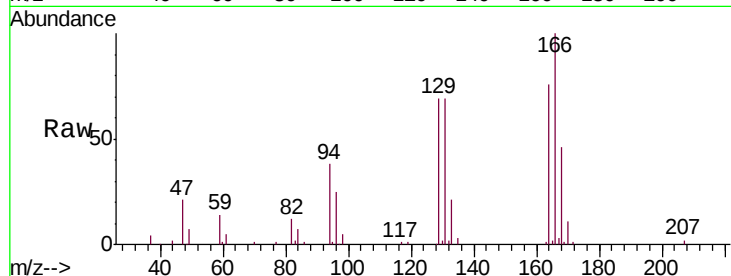
C0AN8

Tgt Ion:129 Resp: 30583

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



#59

1,2,3-Trichloropropane

Concen: 1.237 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029539.D

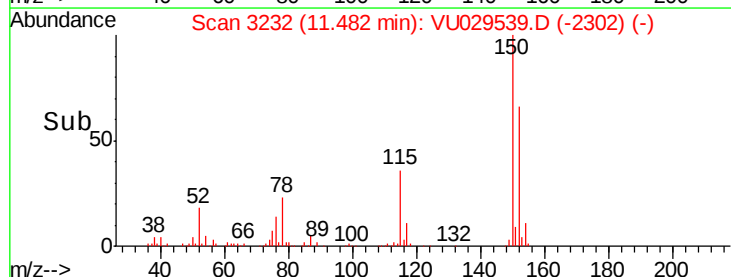
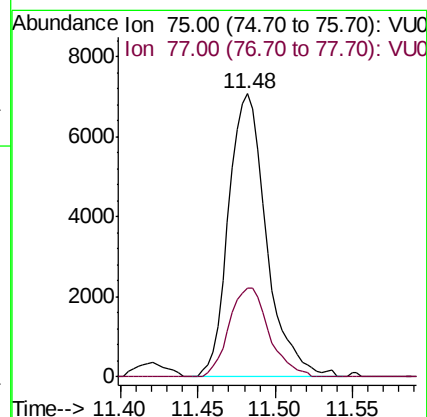
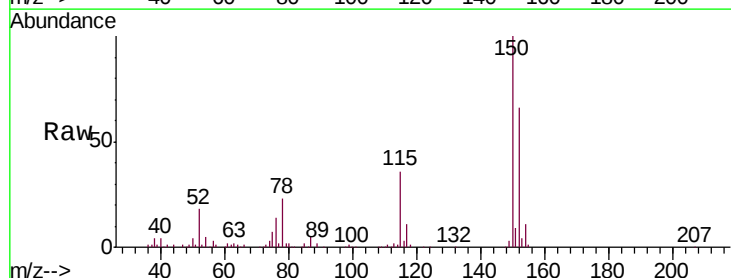
Acq: 18 Feb 2019 18:55

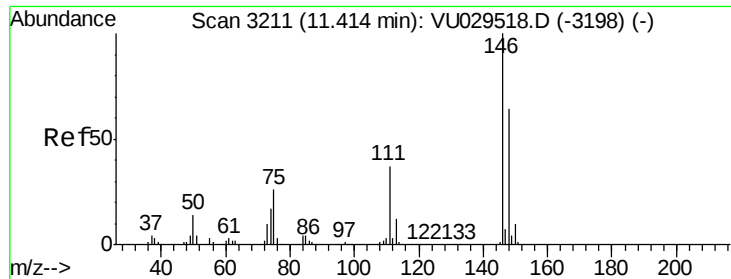
Tgt Ion: 75 Resp: 12039

Ion Ratio Lower Upper

75 100

77 33.0 28.2 42.2





#62

1,3-Dichlorobenzene

Concen: 0.053 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

COAN8

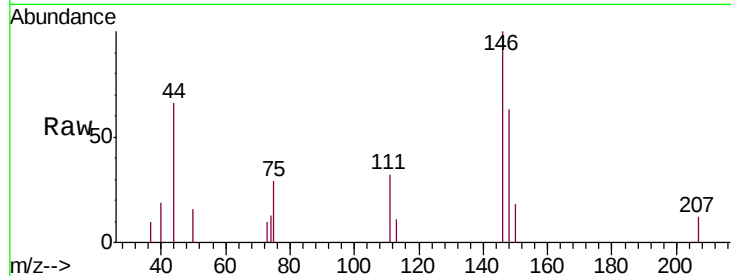
Tgt Ion:146 Resp: 2099

Ion Ratio Lower Upper

146 100

111 31.5 26.1 48.5

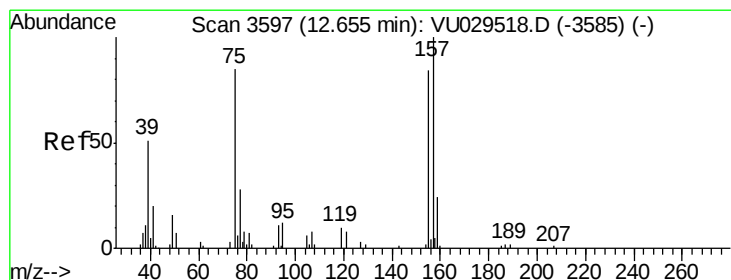
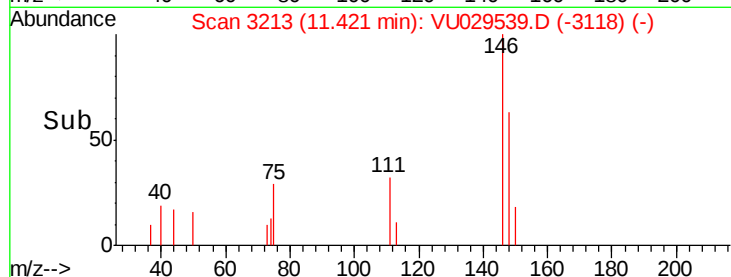
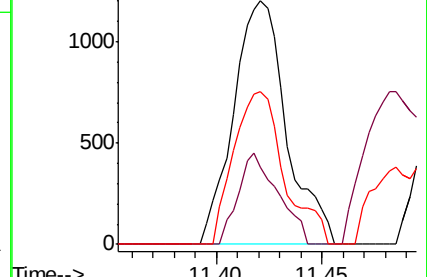
148 63.0 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.255 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.17 min

Lab File: VU029539.D

Acq: 18 Feb 2019 18:55

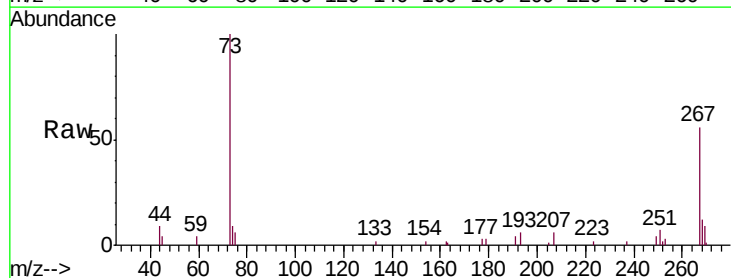
Tgt Ion: 75 Resp: 601

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

