

Data File : VU029552.D
Acq On : 19 Feb 2019 14:05
Operator : JC/SP
Sample : K1522-06DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COAN8DL

Quant Time: Feb 20 00:11:44 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	227126	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	219130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113451	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59195	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.68	69	56863	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.27	63	95784	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.19	46	159187	50.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.34%
24) Chloroform-d	4.65	84	102508	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.31	65	61070	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.34	84	234326	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.33	67	72578	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.56	98	224555	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.85	79	27633	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.31	63	157038	49.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63212	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	100365	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	1531	0.082	ug/L #	80
6) Bromomethane	1.63	94	1550	0.121	ug/L	93
9) Trichlorofluoromethane	1.89	101	10214	0.305	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1082	0.055	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	4486	0.240	ug/L #	1
13) Acetone	2.32	43	1968	0.683	ug/L	93
25) Chloroform	4.67	83	11717	0.390	ug/L	95
27) 1,2-Dichloroethane	5.41	62	4453	0.256	ug/L	95
29) 1,1,1-Trichloroethane	4.91	97	1780	0.066	ug/L	97
34) Trichloroethene	6.18	95	267852	14.770	ug/L	98
35) Methylcyclohexane	6.33	83	18194	0.596	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	8024	0.497	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2086	0.082	ug/L #	64
47) Tetrachloroethene	8.22	164	5980	0.360	ug/L	94
48) 2-Hexanone	8.31	43	16411	2.418	ug/L #	67
49) Dibromochloromethane	8.22	129	5765	0.346	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	11465	1.106	ug/L	96

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
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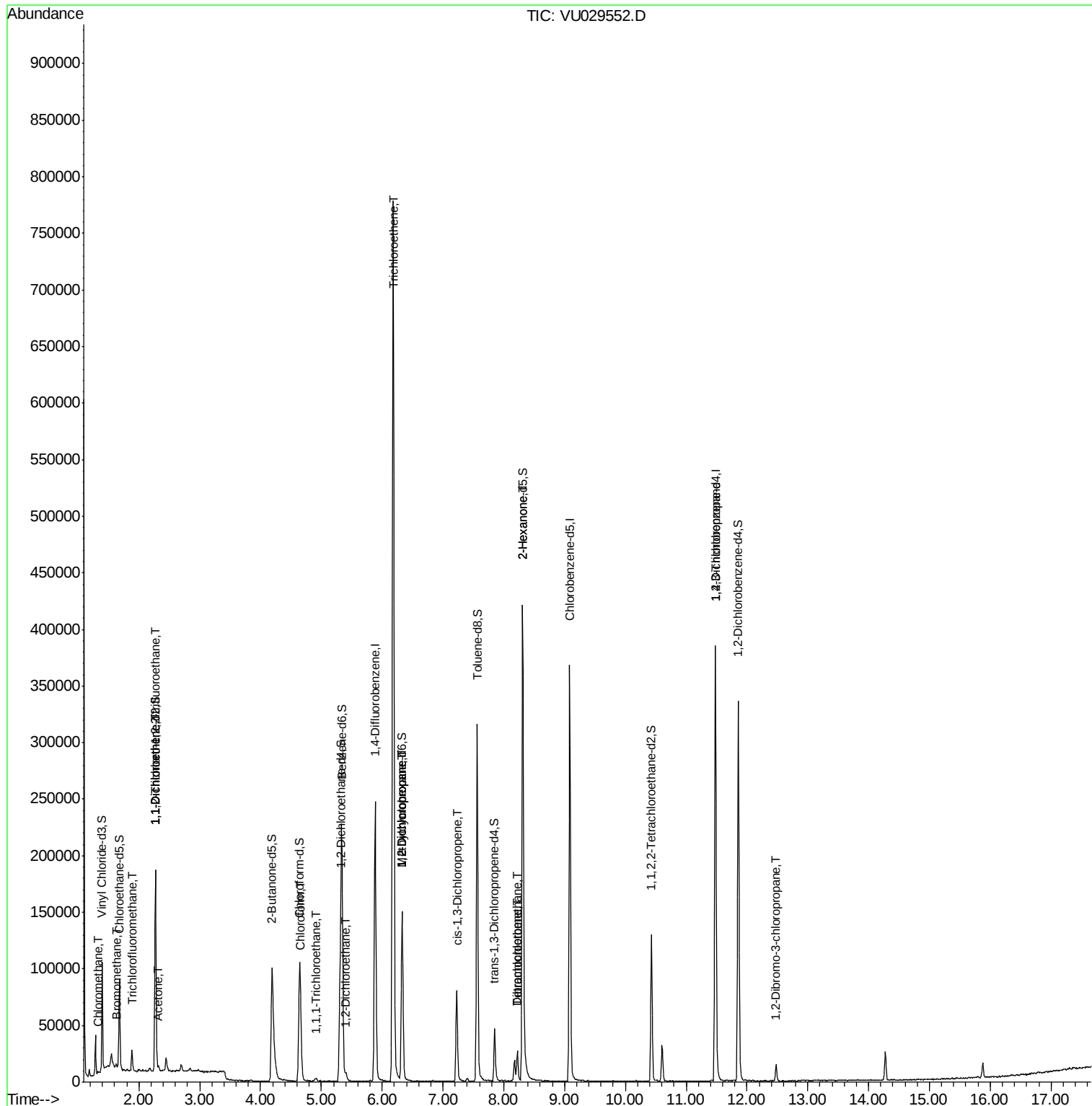
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.48	75	460	0.194	ug/L #	1

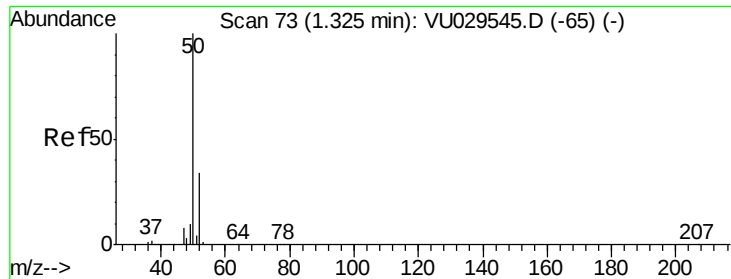
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.082 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

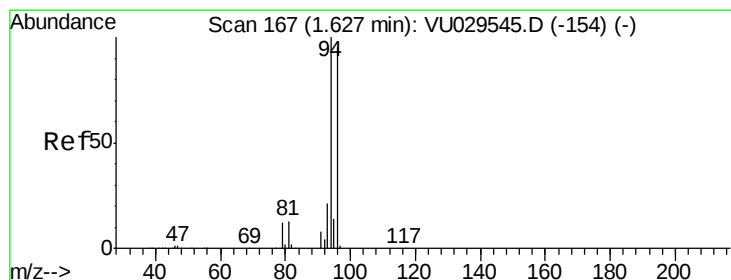
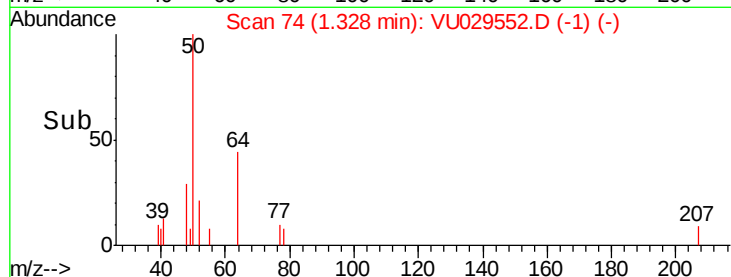
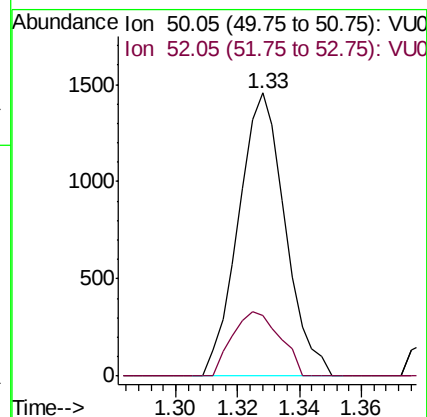
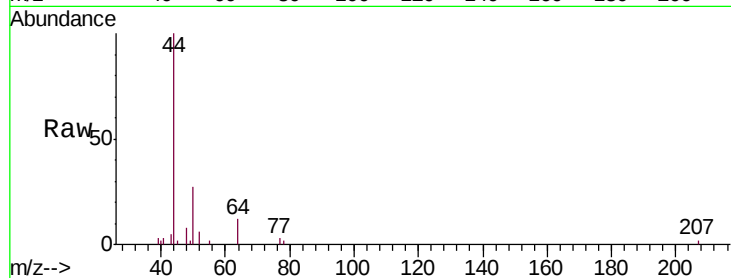
C0AN8DL

Tgt Ion: 50 Resp: 1531

Ion Ratio Lower Upper

50 100

52 21.5 23.1 42.9#



#6

Bromomethane

Concen: 0.121 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029552.D

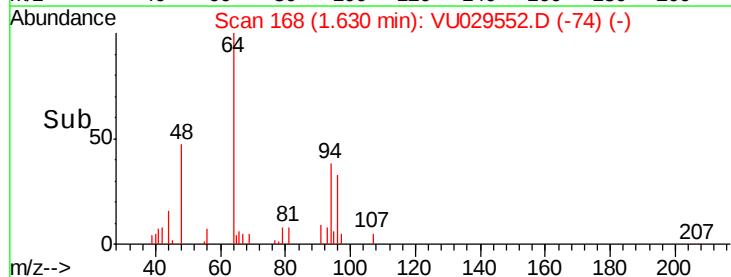
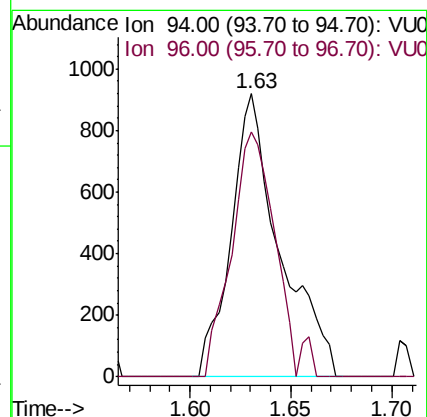
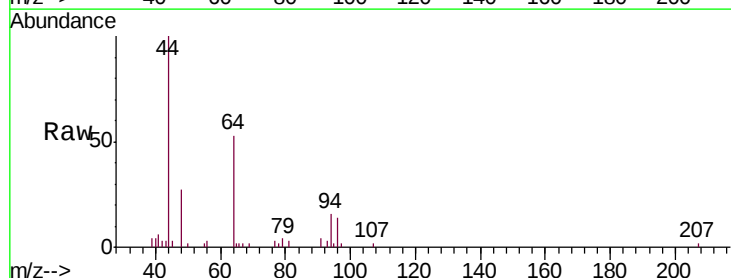
Acq: 19 Feb 2019 14:05

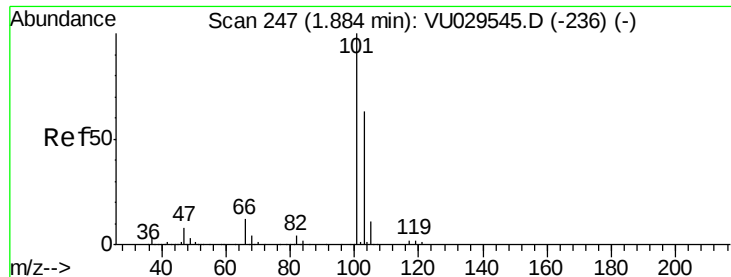
Tgt Ion: 94 Resp: 1550

Ion Ratio Lower Upper

94 100

96 86.6 65.2 121.0





#9

Trichlorofluoromethane

Concen: 0.305 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

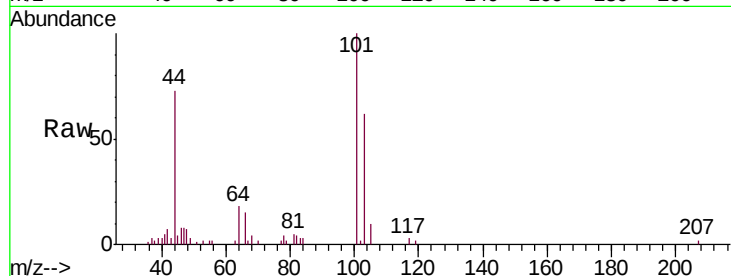
C0AN8DL

Tgt Ion:101 Resp: 10214

Ion Ratio Lower Upper

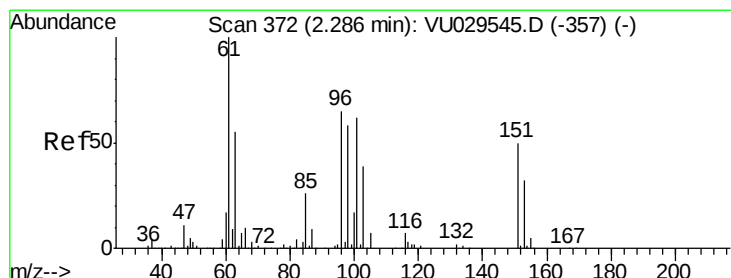
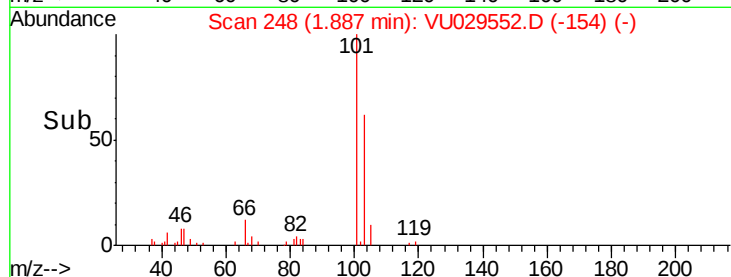
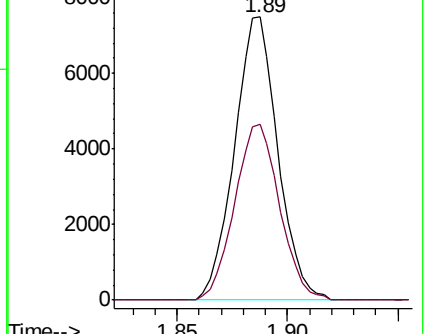
101 100

103 64.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.055 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

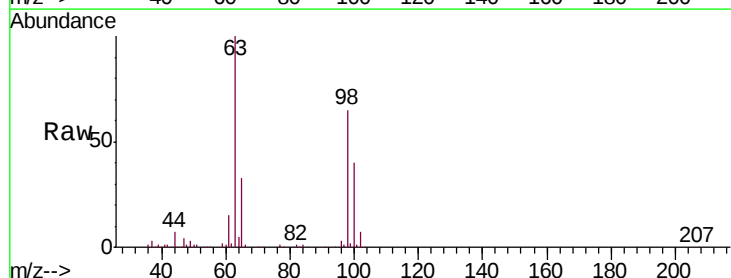
Tgt Ion:101 Resp: 1082

Ion Ratio Lower Upper

101 100

85 4.0 35.1 52.7#

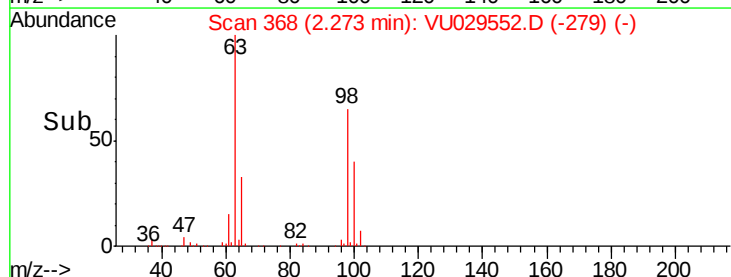
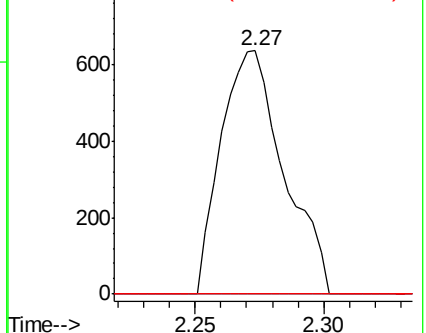
151 0.0 67.0 100.6#

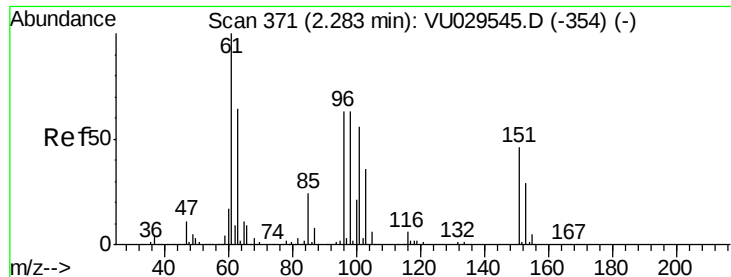


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.240 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

C0AN8DL

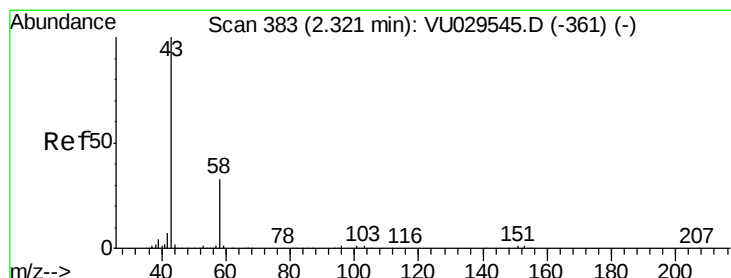
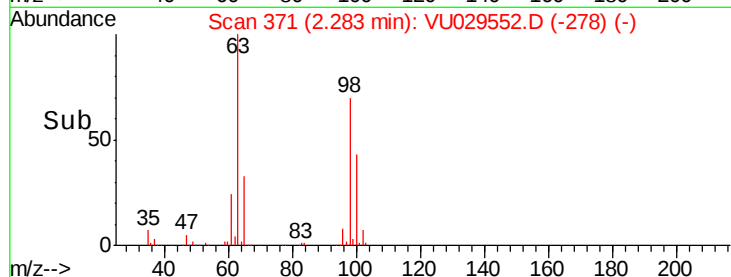
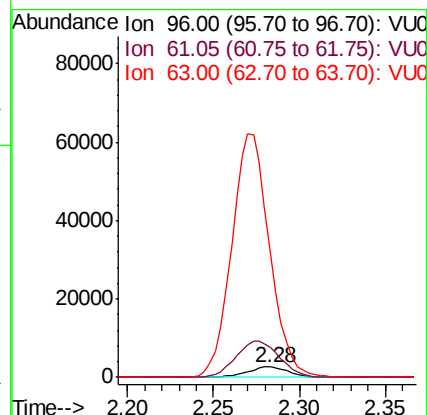
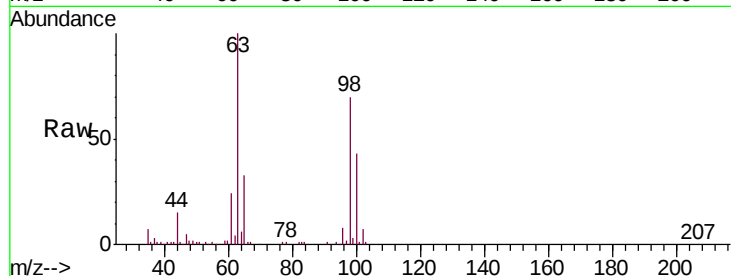
Tgt Ion: 96 Resp: 4486

Ion Ratio Lower Upper

96 100

61 296.9 115.1 213.7#

63 1218.2 83.5 155.1#



#13

Acetone

Concen: 0.683 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029552.D

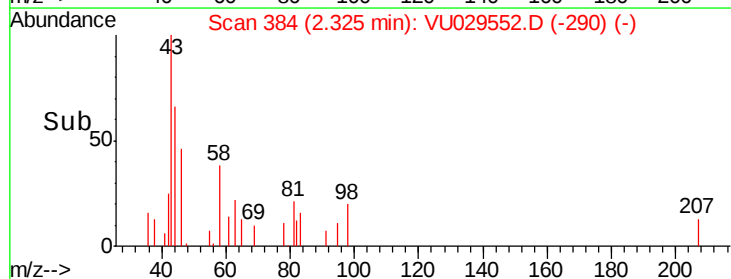
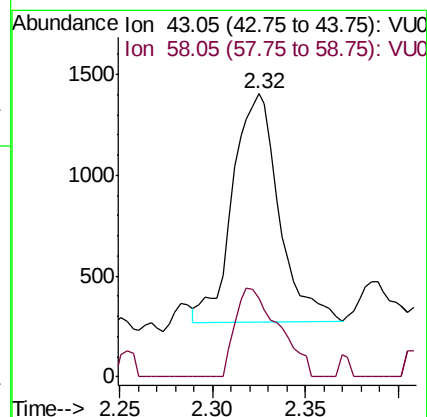
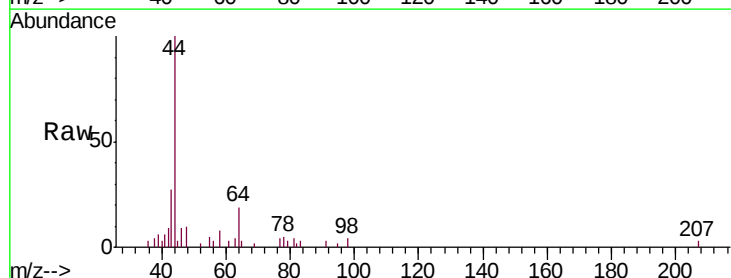
Acq: 19 Feb 2019 14:05

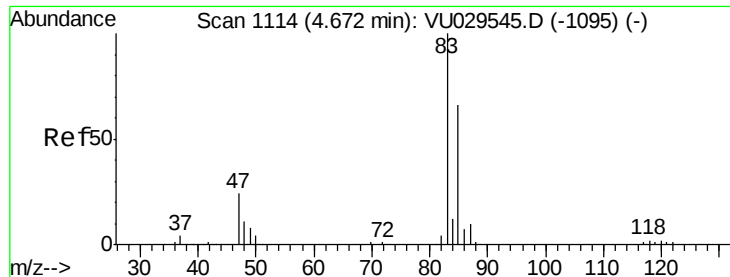
Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

43 100

58 36.4 0.0 65.0

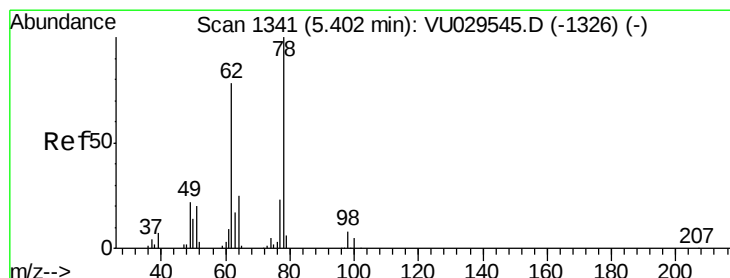
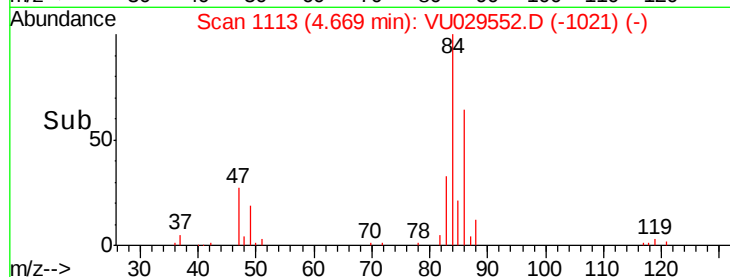
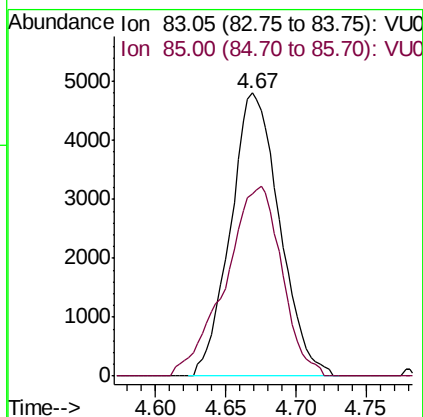
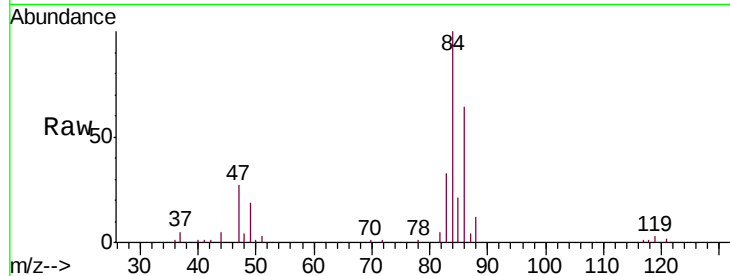




#25
Chloroform
Concen: 0.390 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029552.D
Acq: 19 Feb 2019 14:05

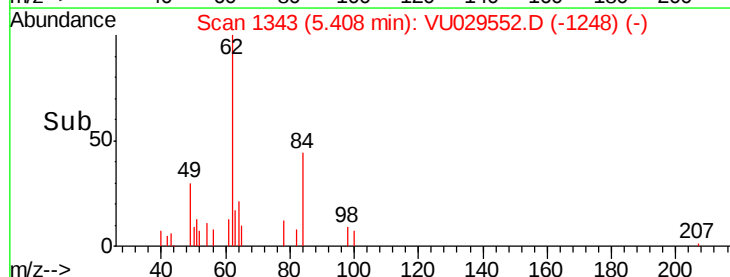
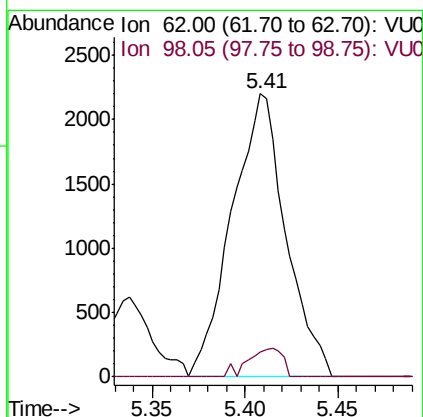
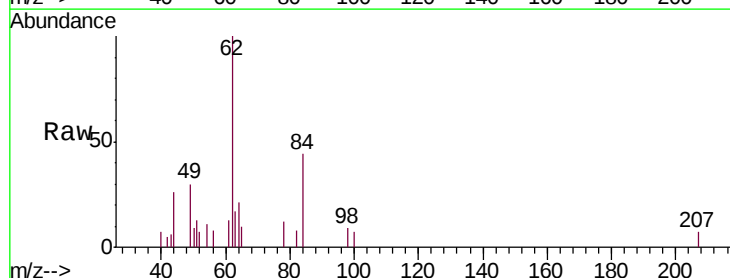
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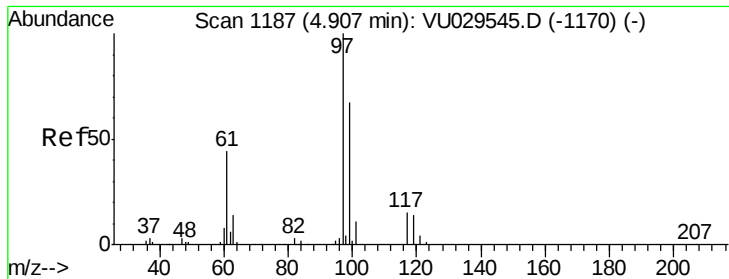
Tgt Ion: 83 Resp: 11717
Ion Ratio Lower Upper
83 100
85 64.4 47.8 88.8



#27
1,2-Dichloroethane
Concen: 0.256 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU029552.D
Acq: 19 Feb 2019 14:05

Tgt Ion: 62 Resp: 4453
Ion Ratio Lower Upper
62 100
98 8.8 8.4 12.6

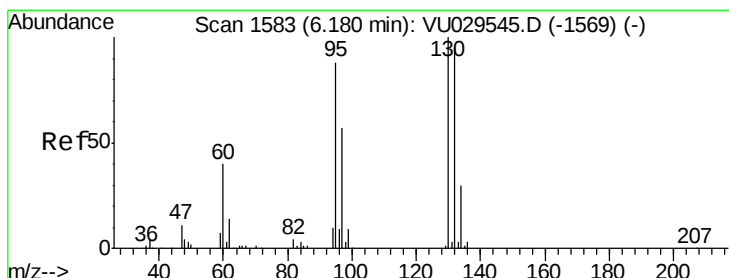
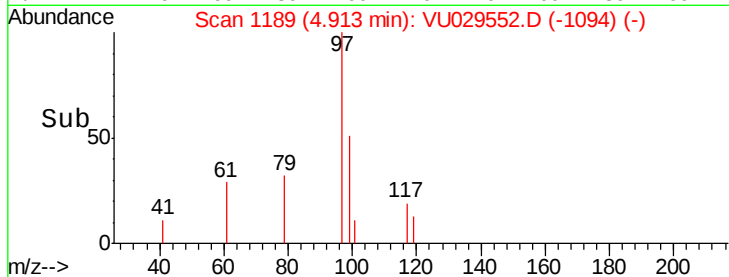
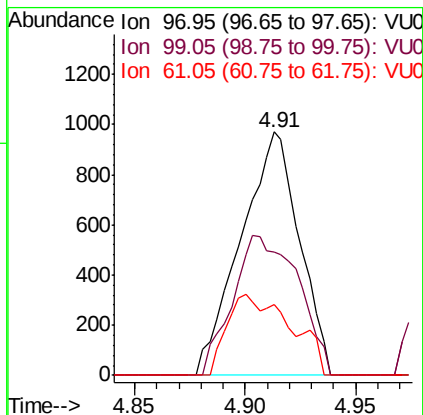
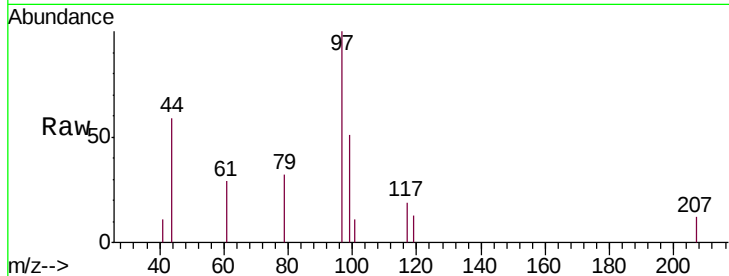




#29
 1,1,1-Trichloroethane
 Concen: 0.066 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VU029552.D
 Acq: 19 Feb 2019 14:05

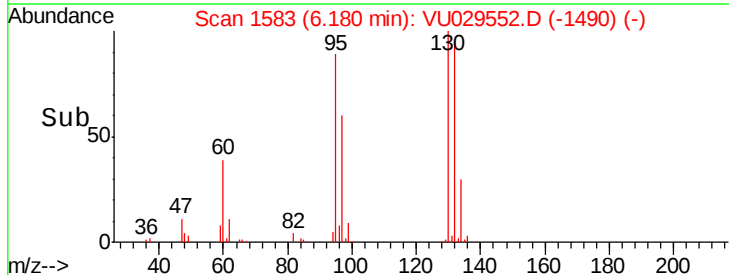
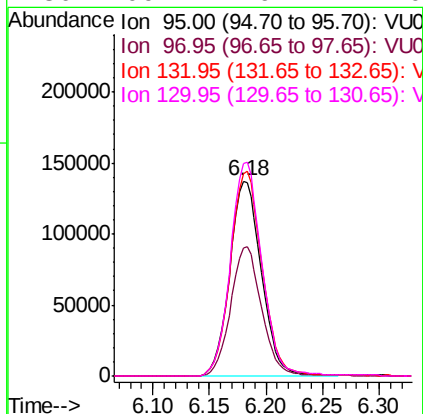
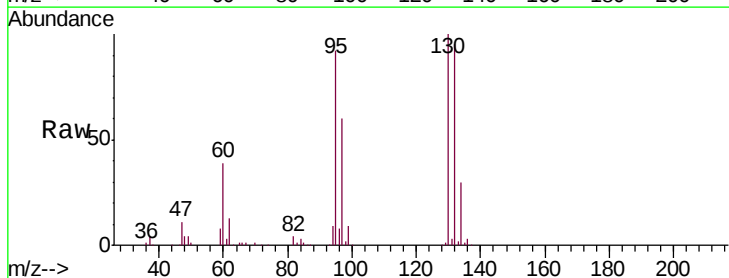
Instrument :
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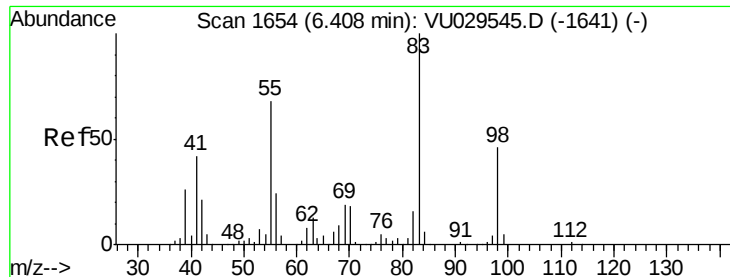
Tgt Ion: 97 Resp: 1780
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 36.3 32.0 48.0



#34
 Trichloroethene
 Concen: 14.770 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU029552.D
 Acq: 19 Feb 2019 14:05

Tgt Ion: 95 Resp: 267852
 Ion Ratio Lower Upper
 95 100
 97 65.9 46.3 86.1
 132 104.0 72.9 135.3
 130 109.1 79.2 147.0





#35

Methylcyclohexane

Concen: 0.596 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

C0AN8DL

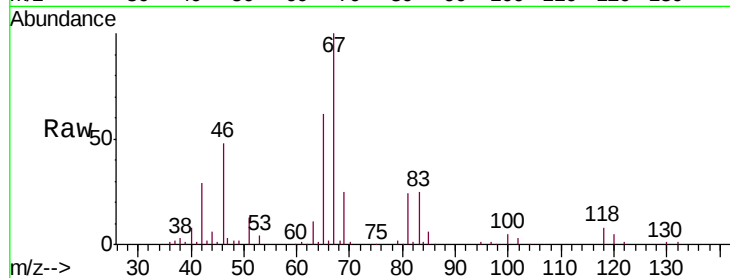
Tgt Ion: 83 Resp: 18194

Ion Ratio Lower Upper

83 100

55 0.3 55.9 83.9#

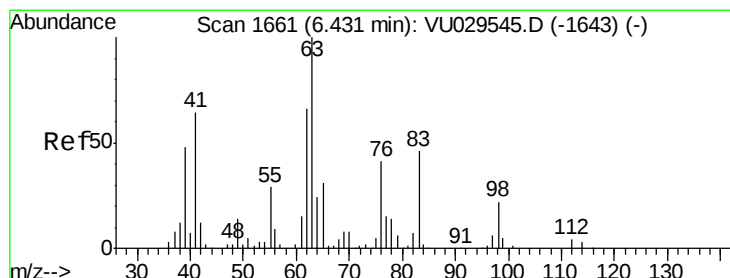
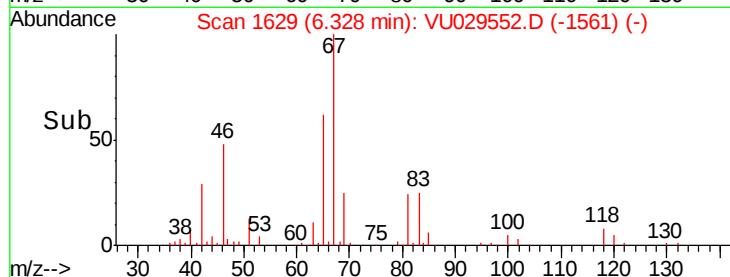
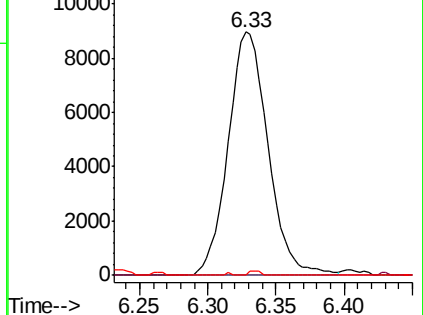
98 0.0 38.6 57.8#



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: 0.497 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029552.D

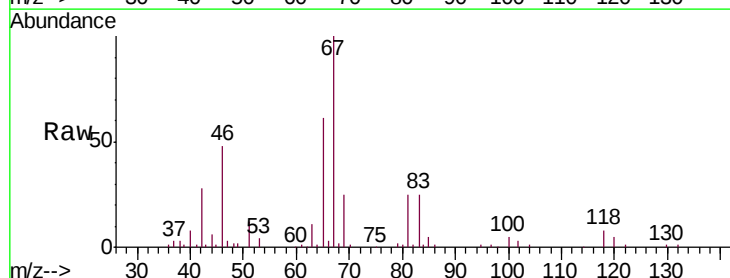
Acq: 19 Feb 2019 14:05

Tgt Ion: 63 Resp: 8024

Ion Ratio Lower Upper

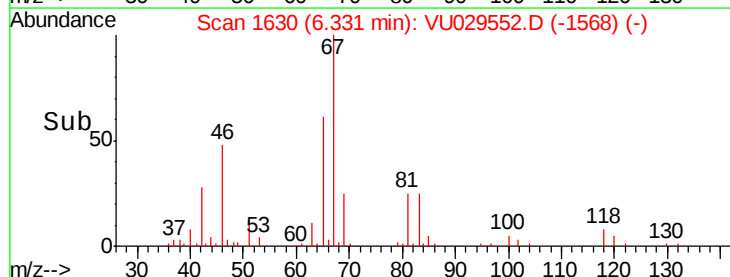
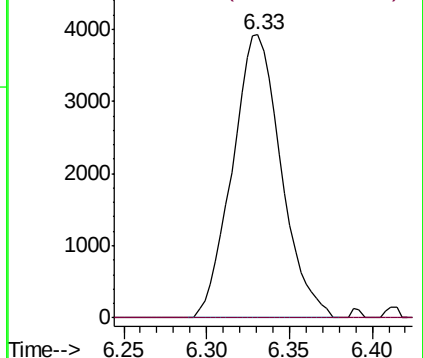
63 100

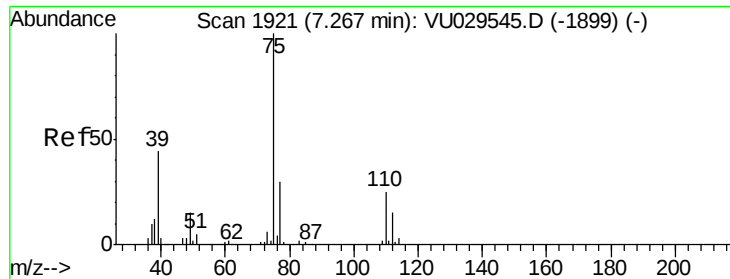
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

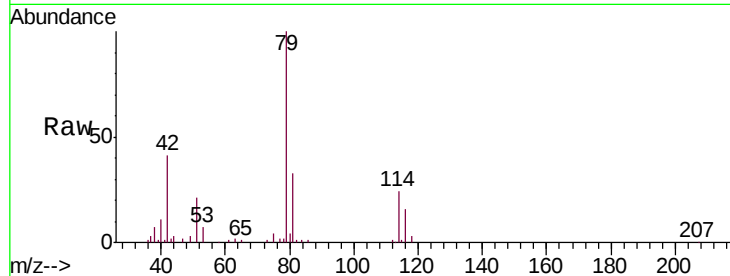
C0AN8DL

Tgt Ion: 75 Resp: 2086

Ion Ratio Lower Upper

75 100

77 52.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.23

1200

1000

800

600

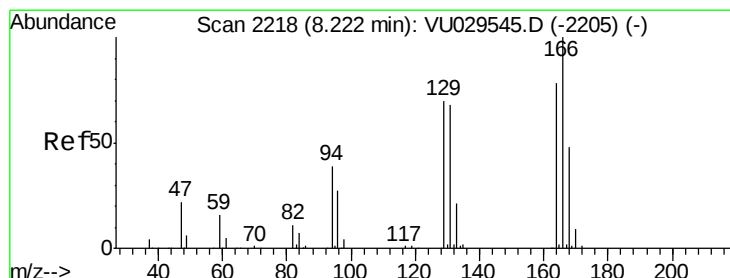
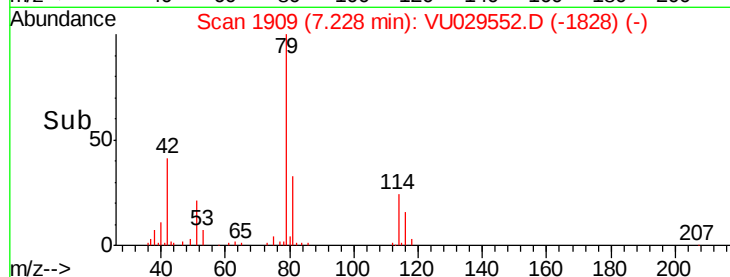
400

200

0

7.20 7.25 7.30

Time-->



#47

Tetrachloroethene

Concen: 0.360 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029552.D

Acq: 19 Feb 2019 14:05

Tgt Ion: 164 Resp: 5980

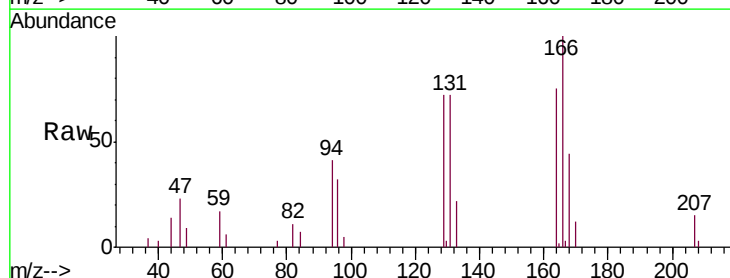
Ion Ratio Lower Upper

164 100

129 95.5 62.9 116.9

131 95.8 62.1 115.3

166 132.7 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

6000

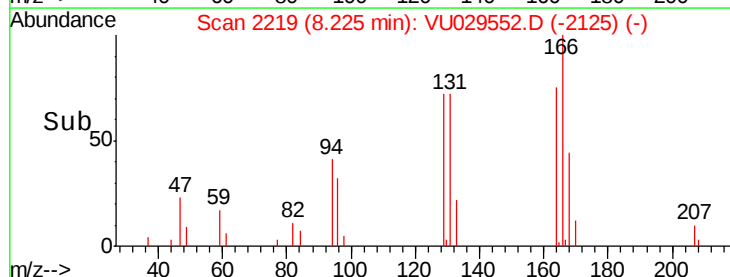
4000

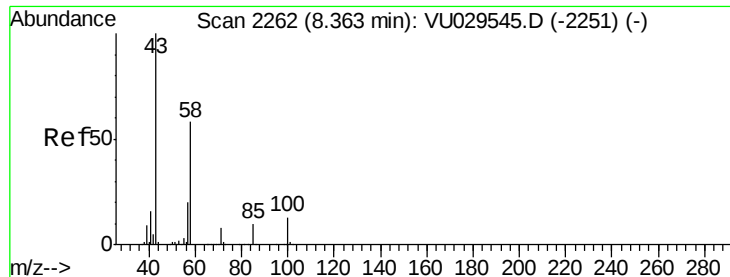
2000

0

8.20 8.25

Time-->

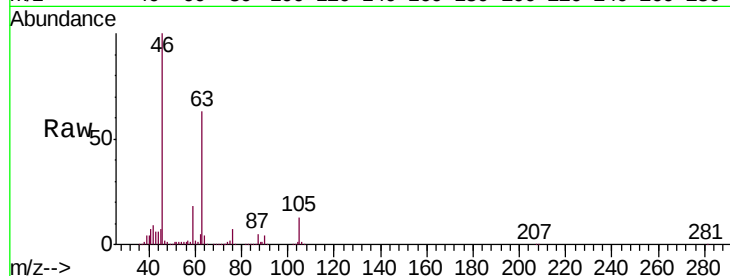




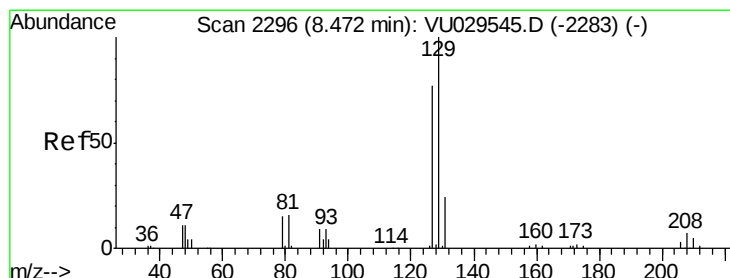
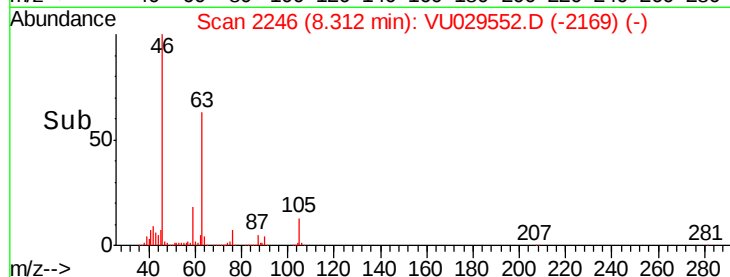
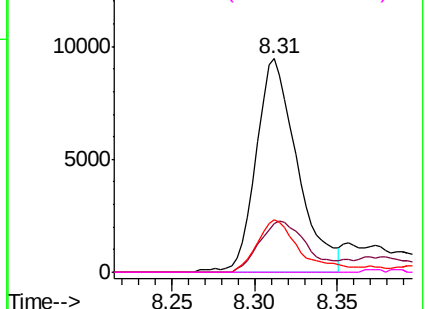
#48
2-Hexanone
Concen: 2.418 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029552.D
Acq: 19 Feb 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :
COAN8DL

Tgt Ion: 43 Resp: 16411
Ion Ratio Lower Upper
43 100
58 27.2 45.7 68.5#
57 25.6 16.4 24.6#
100 0.6 11.1 16.7#

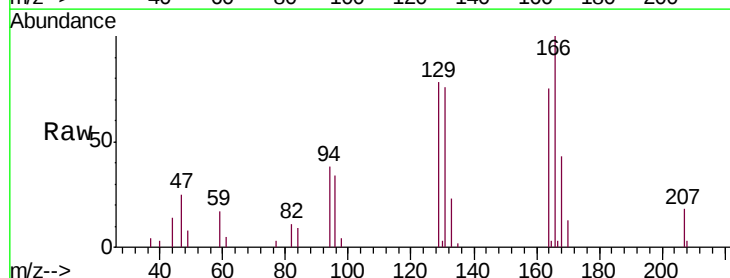


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

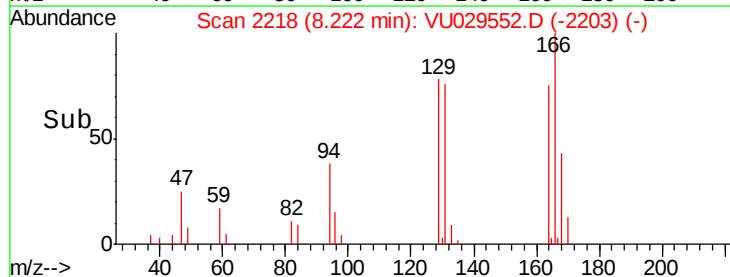
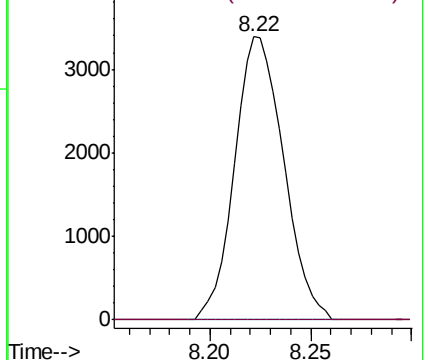


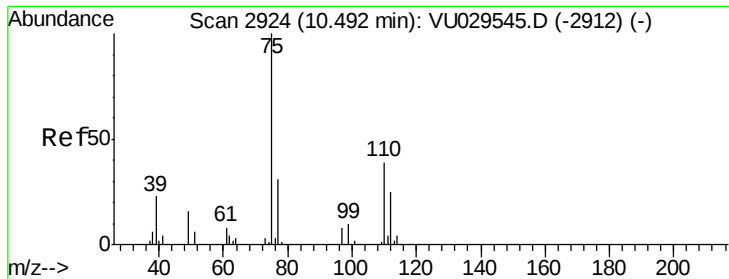
#49
Dibromochloromethane
Concen: 0.346 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU029552.D
Acq: 19 Feb 2019 14:05

Tgt Ion: 129 Resp: 5765
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

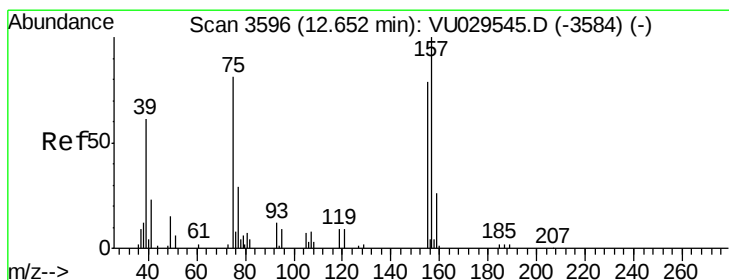
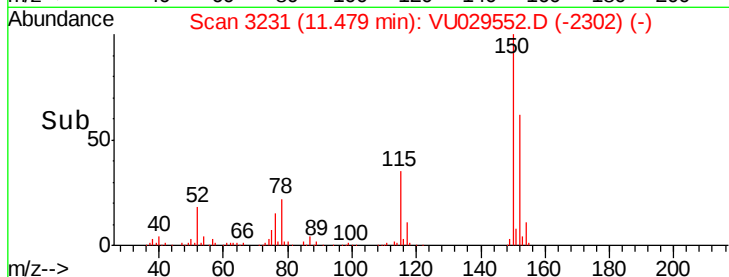
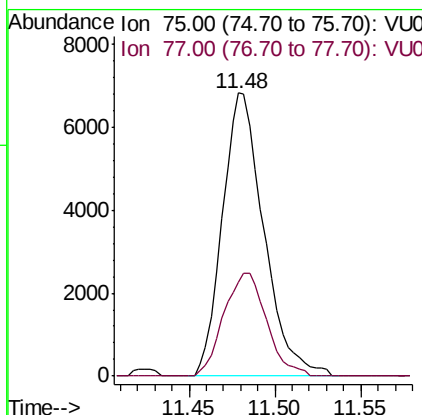
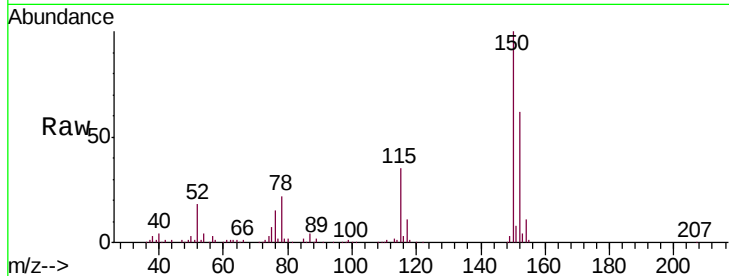




#59
 1,2,3-Trichloropropane
 Concen: 1.106 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029552.D
 Acq: 19 Feb 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 COAN8DL

Tgt Ion: 75 Resp: 11465
 Ion Ratio Lower Upper
 75 100
 77 37.4 28.2 42.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.194 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.18 min
 Lab File: VU029552.D
 Acq: 19 Feb 2019 14:05

Tgt Ion: 75 Resp: 460
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.3 112.9#
 157 0.0 103.0 154.4#

