

Data File : VU029525.D
Acq On : 18 Feb 2019 13:21
Operator : JC/SP
Sample : K1509-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAGH3

Quant Time: Feb 19 00:22:55 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	226630	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	221544	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	123585	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57877	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.68	69	53778	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.27	63	115468	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.19	46	143071	45.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.38%
24) Chloroform-d	4.65	84	105820	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.31	65	57835	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.34	84	227143	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.33	67	68053	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.56	98	230499	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.85	79	30124	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.31	63	149856	46.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61044	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	100255	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	60077	3.027 ug/L	99
5) Vinyl chloride	1.40	62	77313	3.542 ug/L	94
8) Chloroethane	1.70	64	169610	11.934 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	190682	9.683 ug/L	97
12) 1,1-Dichloroethene	2.28	96	38373	2.057 ug/L #	75
13) Acetone	2.32	43	475065	165.175 ug/L	98
15) Methyl Acetate	2.62	43	74572	10.121 ug/L	95
18) trans-1,2-Dichloroethene	2.98	96	52569	2.643 ug/L	100
19) 1,1-Dichloroethane	3.44	63	69879	2.332 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	66805	3.652 ug/L	95
23) Bromochloromethane	4.55	128	39108	4.736 ug/L	95
25) Chloroform	4.67	83	221407	7.386 ug/L	100
27) 1,2-Dichloroethane	5.41	62	34002	1.960 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	48526	1.771 ug/L	98
31) Carbon tetrachloride	5.13	117	66739	2.696 ug/L	94
34) Trichloroethene	6.18	95	36035	1.965 ug/L	98
35) Methylcyclohexane	6.33	83	16222	0.526 ug/L #	21

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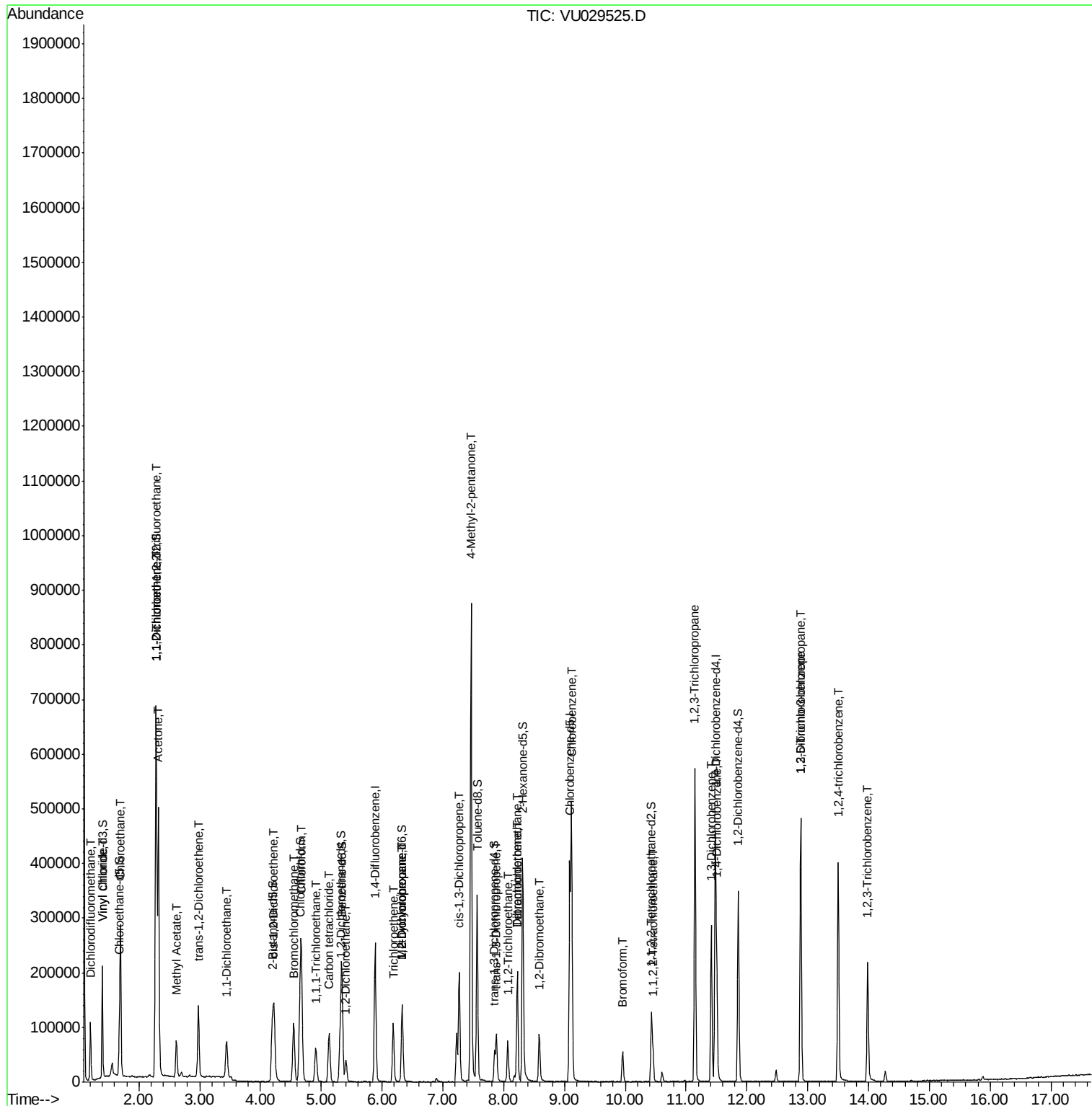
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,2-Dichloropropane	6.33	63	7526	0.461	ug/L #	87
39) cis-1,3-Dichloropropene	7.27	75	118768	4.620	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	552267	58.658	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	48897	2.316	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	24606	1.967	ug/L	96
47) Tetrachloroethene	8.22	164	47542	2.831	ug/L	97
49) Dibromochloromethane	8.22	129	41951	2.488	ug/L #	11
50) 1,2-Dibromoethane	8.59	107	58705	4.741	ug/L	98
51) Chlorobenzene	9.12	112	279597	5.555	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	26264	1.720	ug/L	97
59) 1,2,3-Trichloropropane	11.15	75	2910	0.278	ug/L #	1
61) Bromoform	9.96	173	26571	2.540	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	121693	2.780	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	81062	1.854	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.88	75	22715	8.802	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.88	180	165116	4.545	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	135824	4.439	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	77840	2.661	ug/L	100

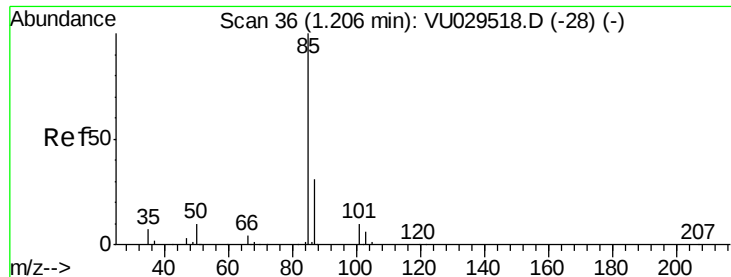
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.027 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

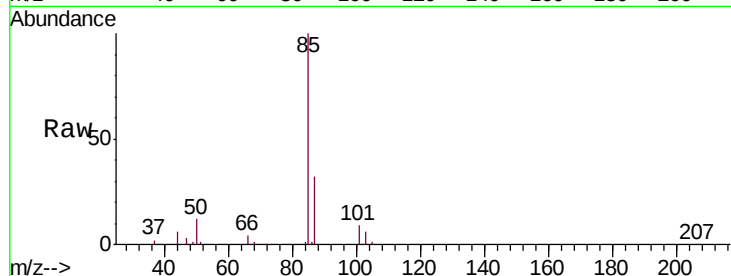
GAGH3

Tgt Ion: 85 Resp: 60077

Ion Ratio Lower Upper

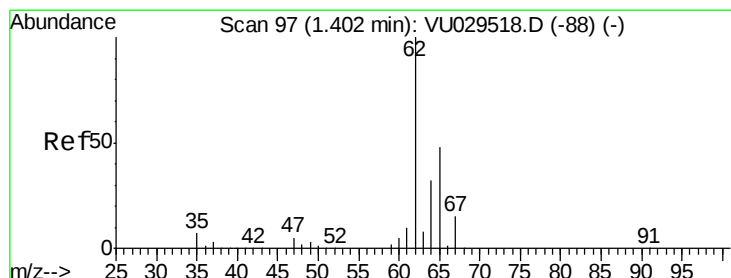
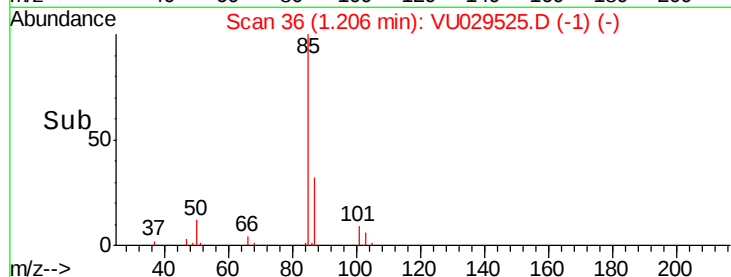
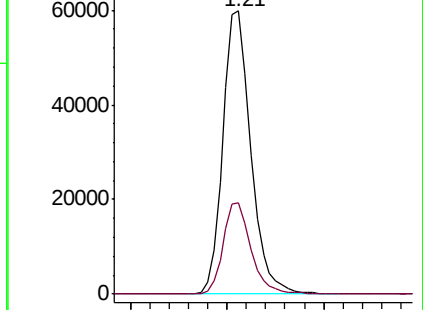
85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU029518.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029518.D (-28) (-)



#5

Vinyl chloride

Concen: 3.542 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029525.D

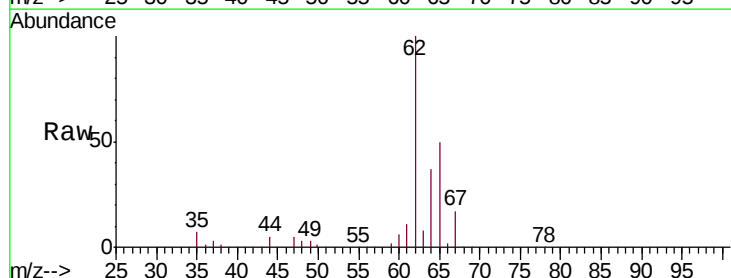
Acq: 18 Feb 2019 13:21

Tgt Ion: 62 Resp: 77313

Ion Ratio Lower Upper

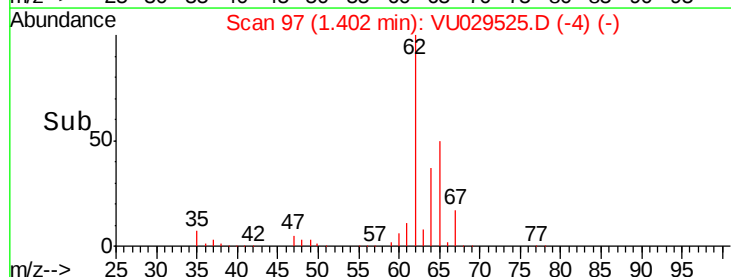
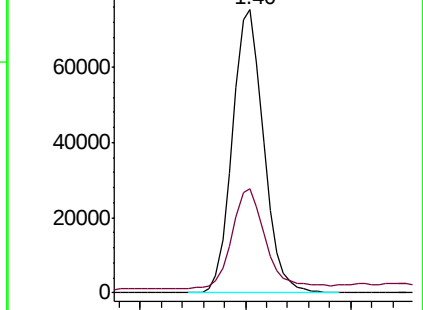
62 100

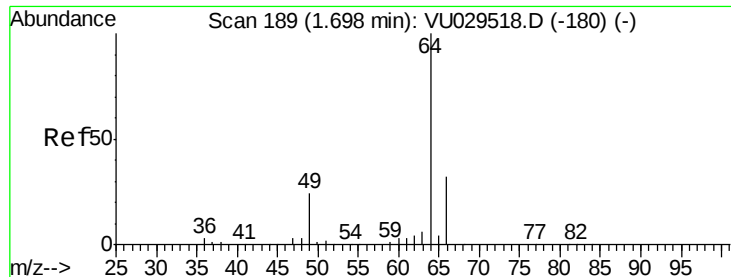
64 36.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU029518.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU029518.D (-88) (-)





#8

Chloroethane

Concen: 11.934 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

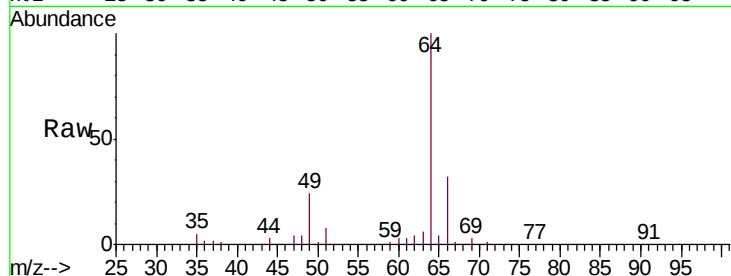
GAGH3

Tgt Ion: 64 Resp: 169610

Ion Ratio Lower Upper

64 100

66 31.8 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU029525.D (-96) (-)

Ion 66.05 (65.75 to 66.75): VU029525.D (-96) (-)

1.70

150000

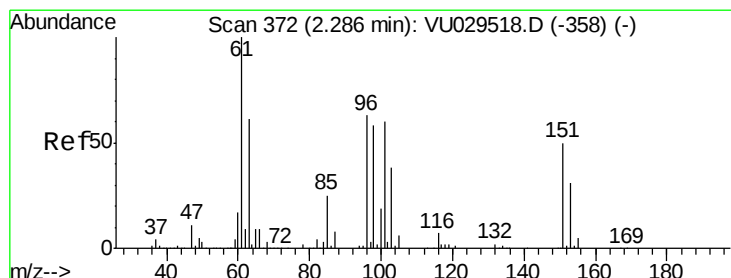
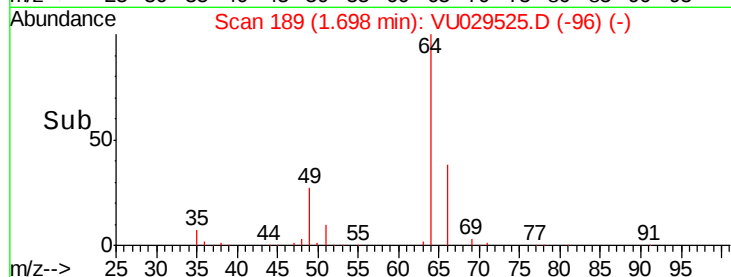
100000

50000

0

Time-->

1.65 1.70 1.75



#10

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

Concen: 9.683 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

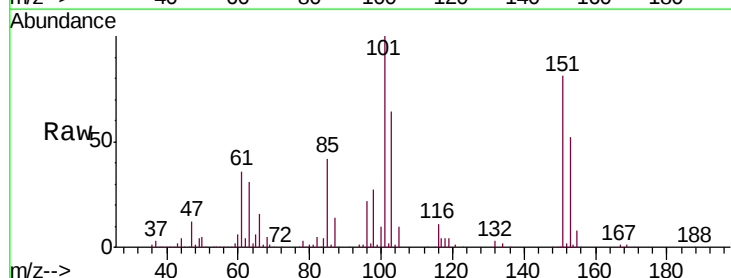
Tgt Ion: 101 Resp: 190682

Ion Ratio Lower Upper

101 100

85 42.8 35.1 52.7

151 81.2 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): VU029525.D (-279) (-)

Ion 85.00 (84.70 to 85.70): VU029525.D (-279) (-)

Ion 151.00 (150.70 to 151.70): VU029525.D (-279) (-)

2.29

150000

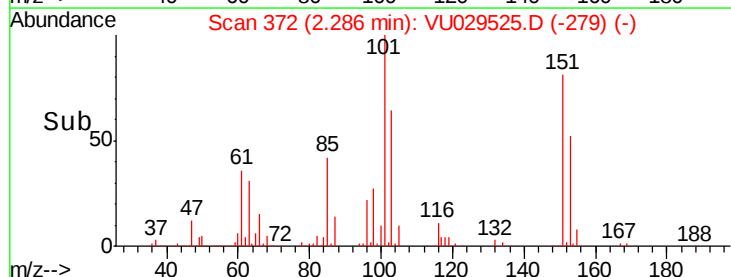
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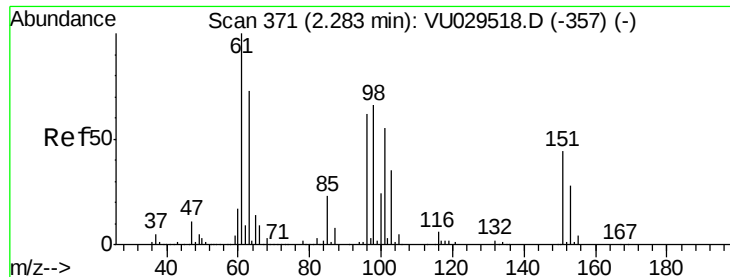
50000

0

Time-->

2.20 2.25 2.30 2.35 2.40

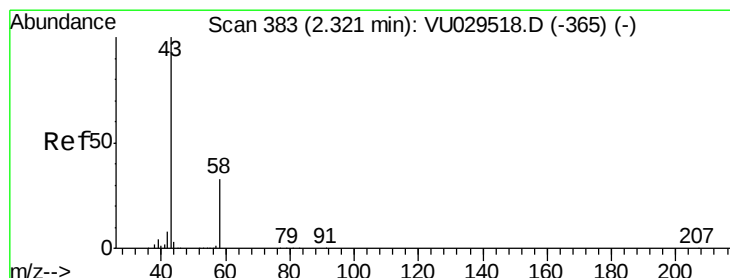
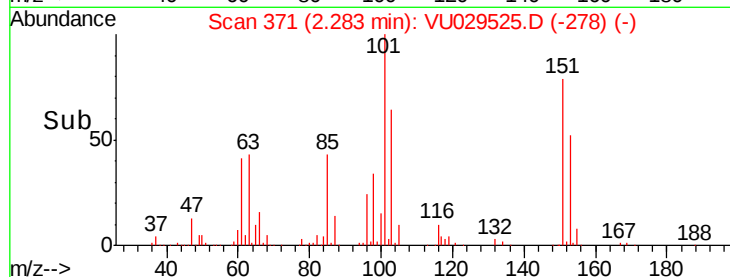
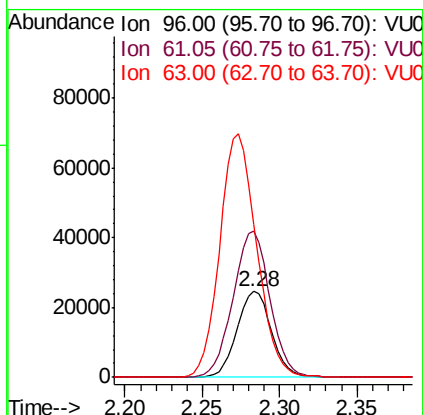
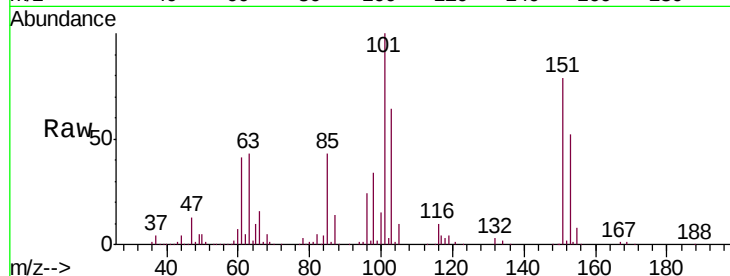




#12
 1,1-Dichloroethene
 Concen: 2.057 ug/L
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

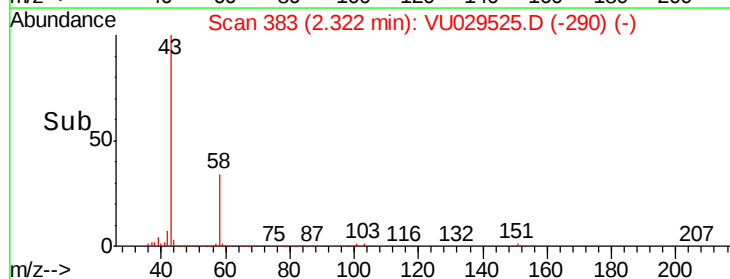
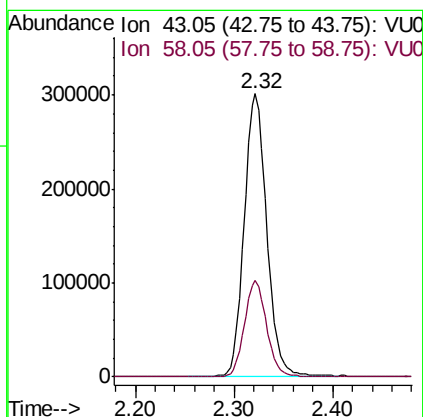
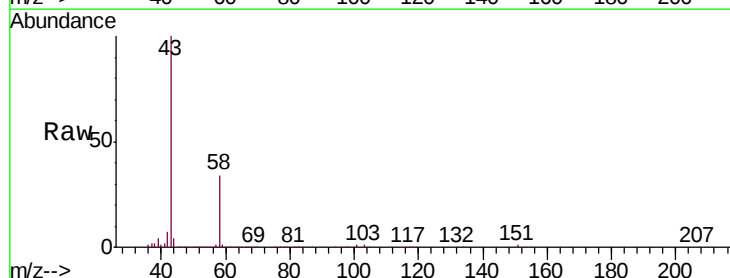
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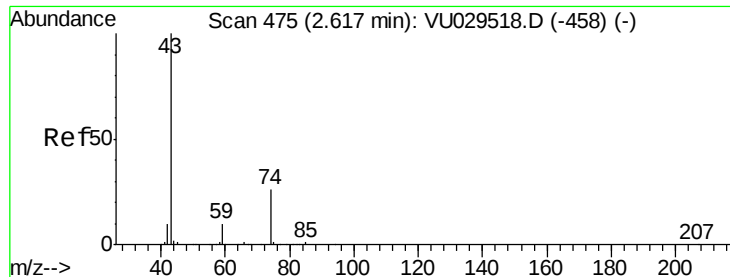
Tgt Ion: 96 Resp: 38373
 Ion Ratio Lower Upper
 96 100
 61 170.5 115.1 213.7
 63 178.4 83.5 155.1#



#13
 Acetone
 Concen: 165.175 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion: 43 Resp: 475065
 Ion Ratio Lower Upper
 43 100
 58 33.7 0.0 65.0

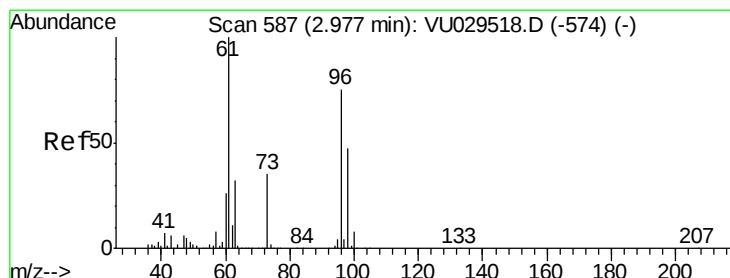
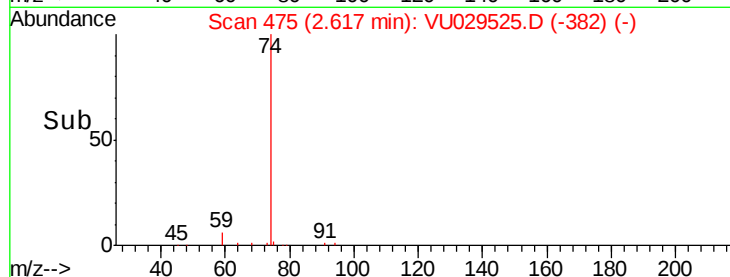
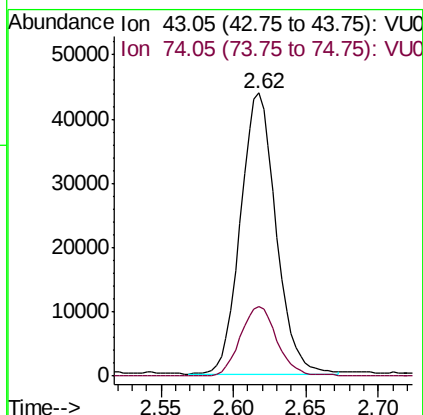
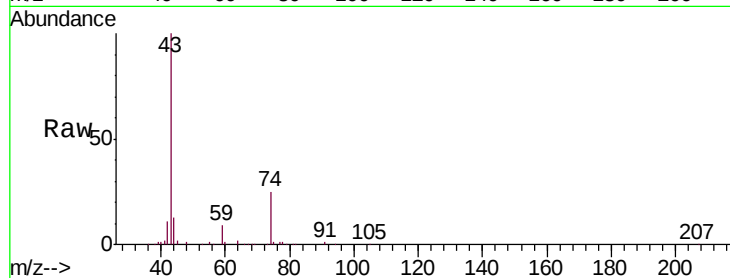




#15
Methyl Acetate
Concen: 10.121 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

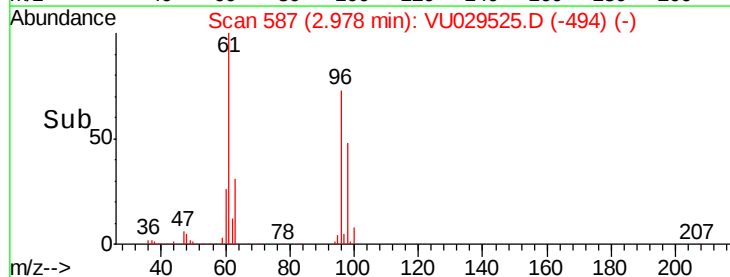
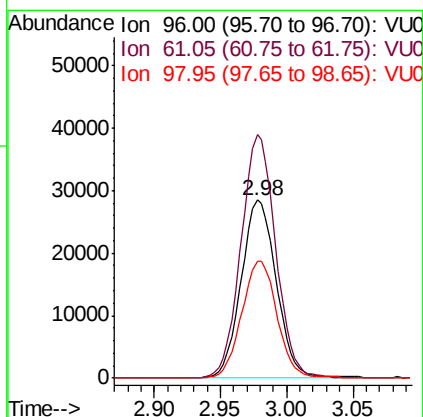
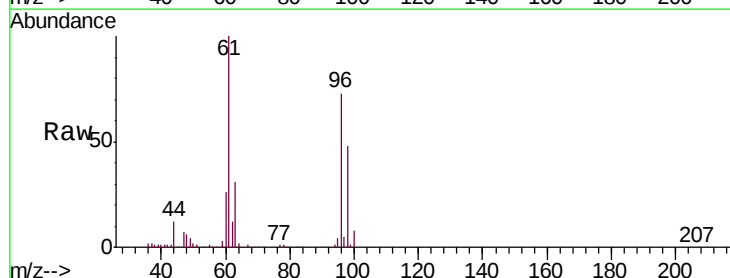
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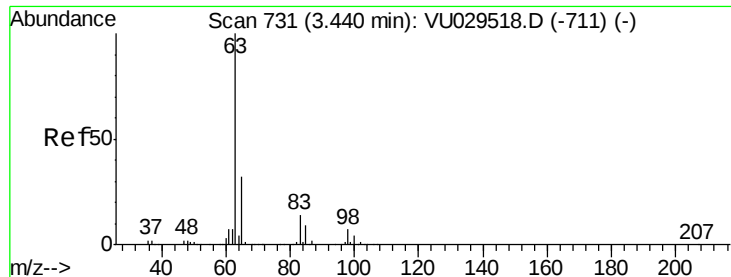
Tgt Ion: 43 Resp: 74572
Ion Ratio Lower Upper
43 100
74 25.3 22.3 33.5



#18
trans-1,2-Dichloroethene
Concen: 2.643 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Tgt Ion: 96 Resp: 52569
Ion Ratio Lower Upper
96 100
61 136.8 95.4 177.2
98 65.6 45.8 85.2

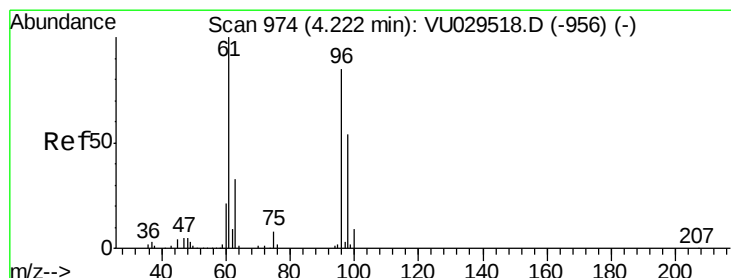
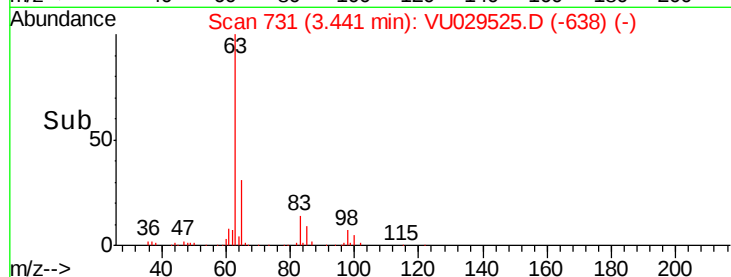
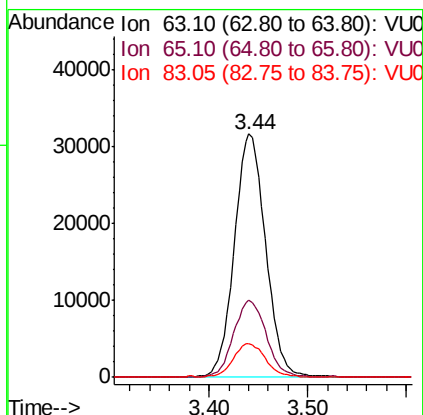
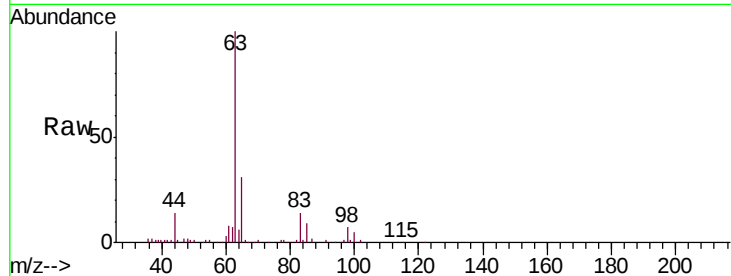




#19
 1,1-Dichloroethane
 Concen: 2.332 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

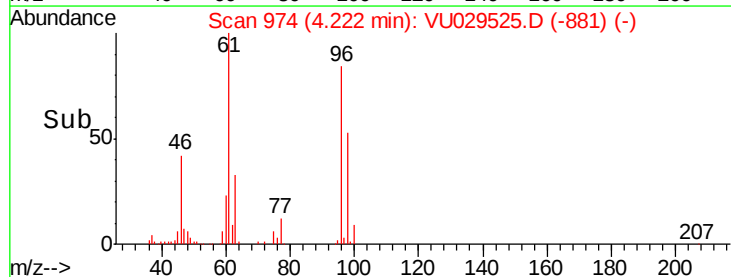
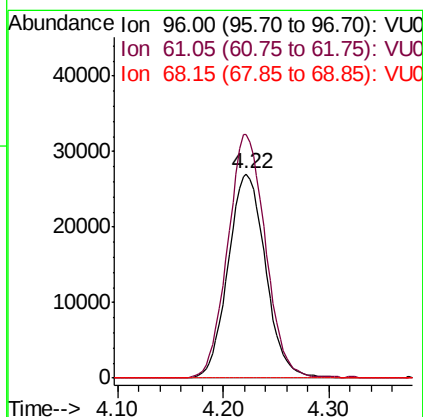
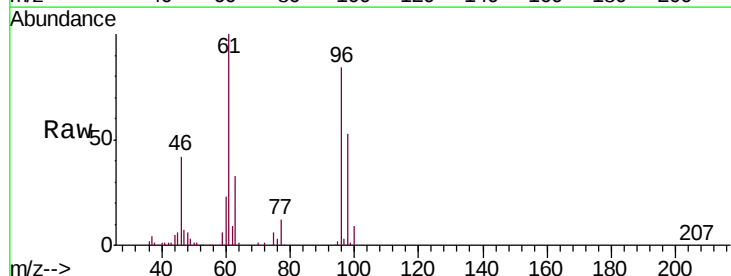
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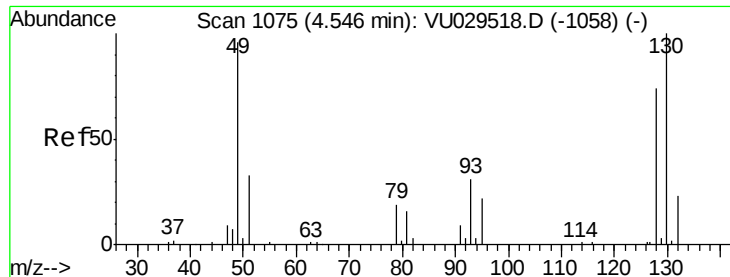
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.5	43.7
83	13.9	10.3	19.1



#22
 cis-1,2-Dichloroethene
 Concen: 3.652 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.3	79.9	148.5
68	0.0	0.0	0.0

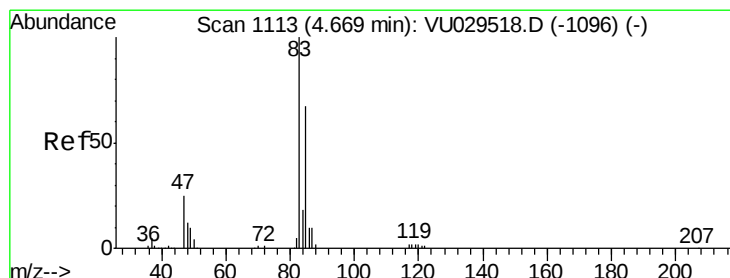
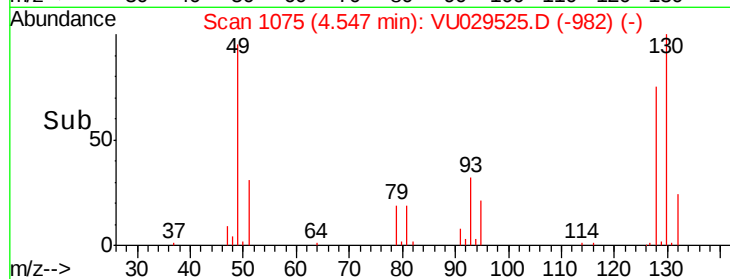
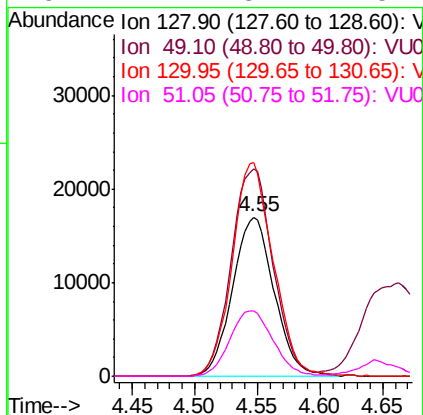
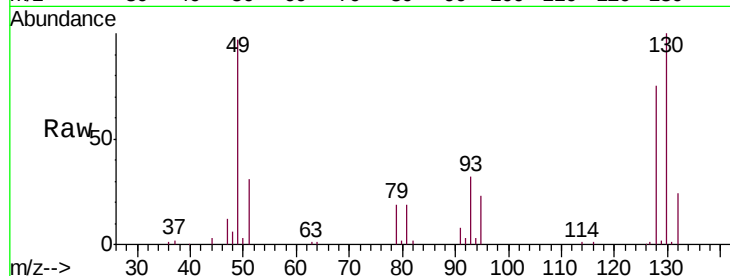




#23
 Bromochloromethane
 Concen: 4.736 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
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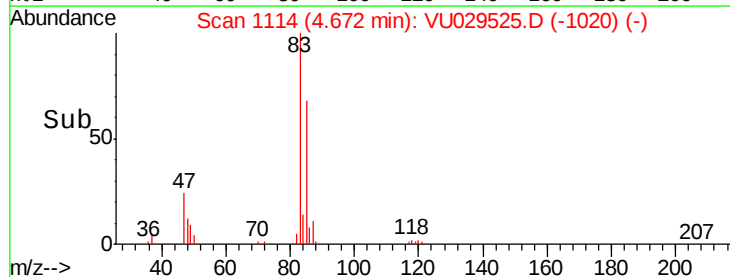
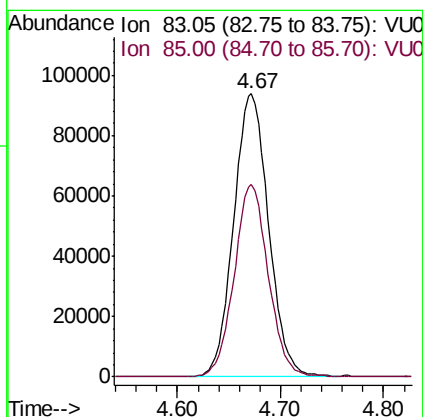
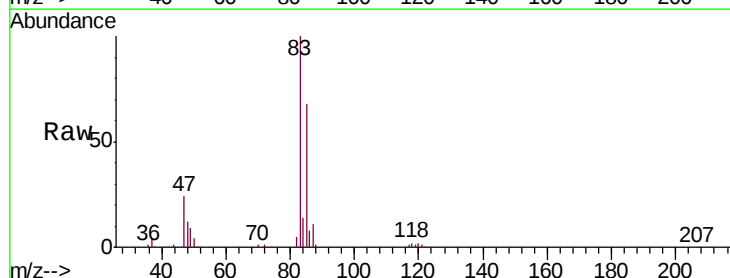
Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

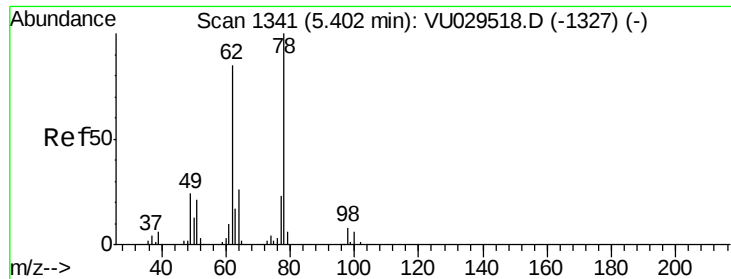
Tgt Ion:	128	Resp:	39108
Ion	Ratio	Lower	Upper
128	100		
49	130.2	89.0	165.4
130	134.2	88.0	163.4
51	41.2	32.1	48.1



#25
 Chloroform
 Concen: 7.386 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion:	83	Resp:	221407
Ion	Ratio	Lower	Upper
83	100		
85	67.9	47.8	88.8





#27

1,2-Dichloroethane

Concen: 1.960 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

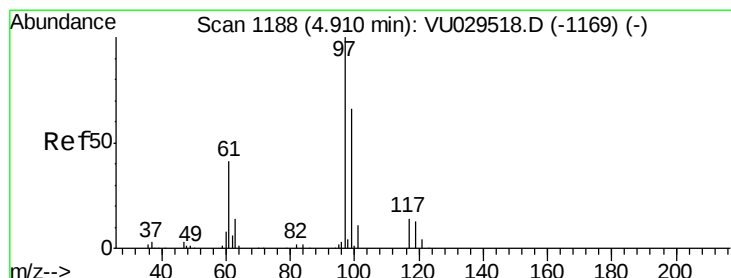
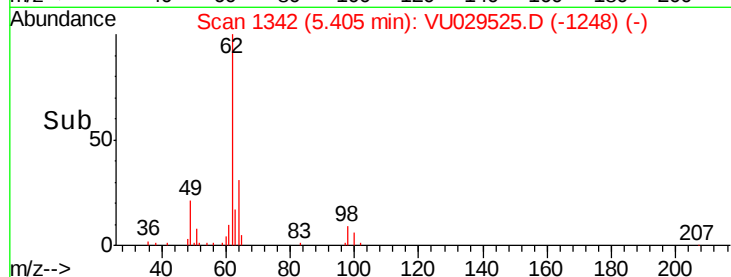
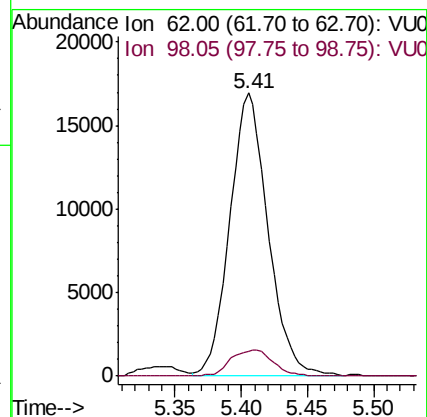
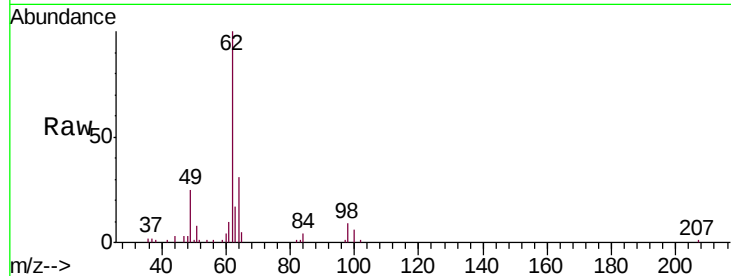
GAGH3

Tgt Ion: 62 Resp: 34002

Ion Ratio Lower Upper

62 100

98 8.9 8.4 12.6



#29

1,1,1-Trichloroethane

Concen: 1.771 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

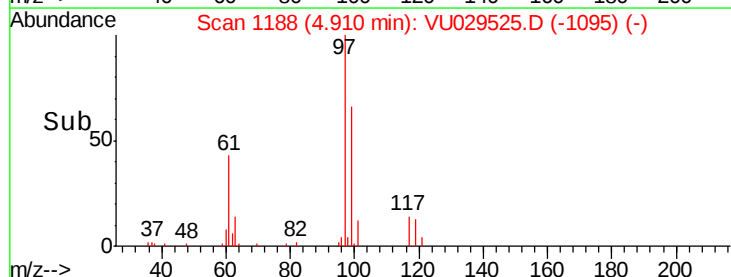
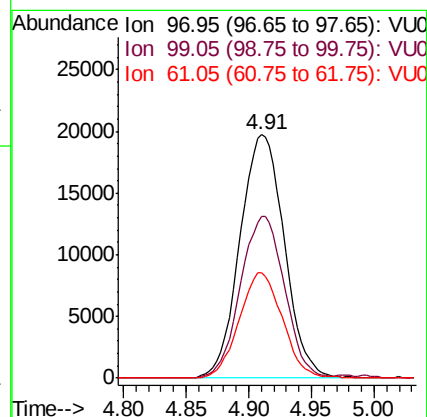
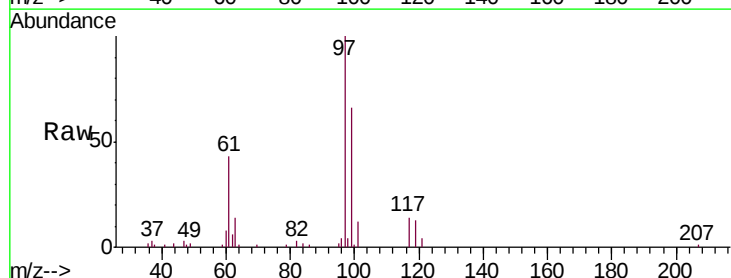
Tgt Ion: 97 Resp: 48526

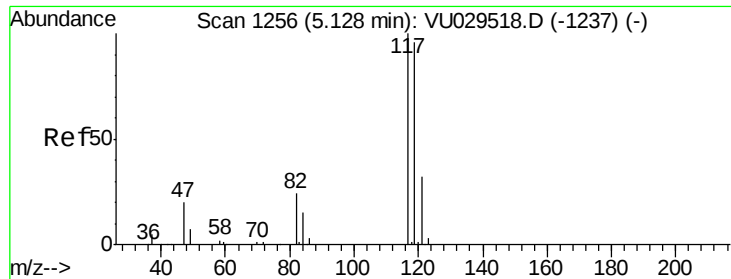
Ion Ratio Lower Upper

97 100

99 66.3 52.2 78.2

61 42.2 32.0 48.0

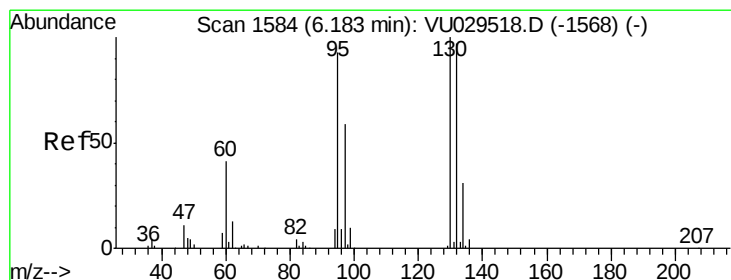
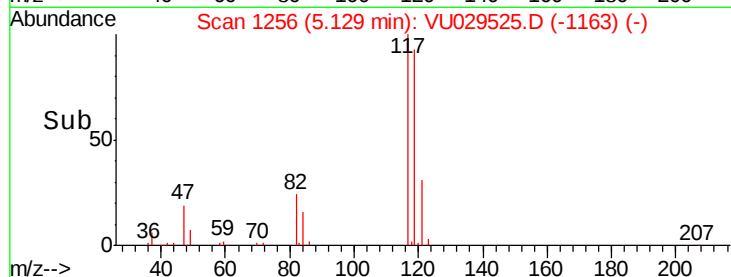
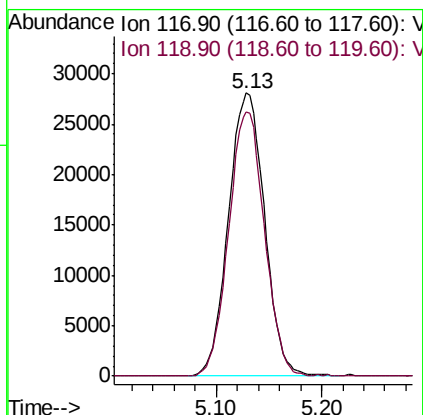
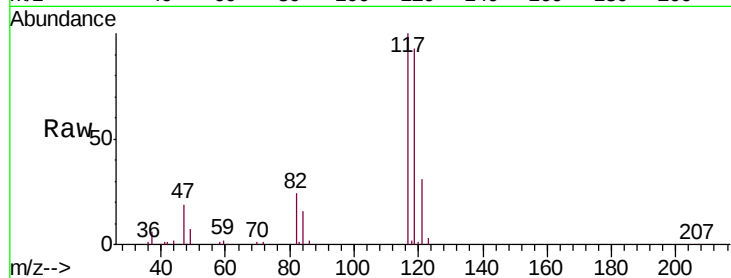




#31
Carbon tetrachloride
Concen: 2.696 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

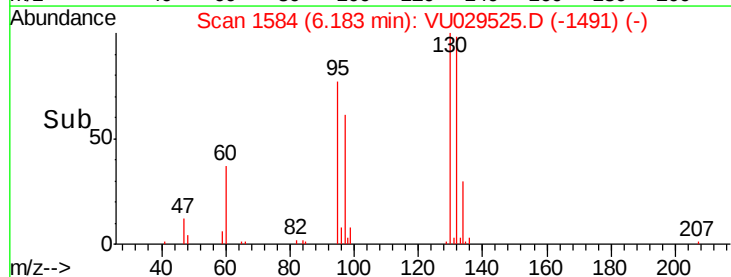
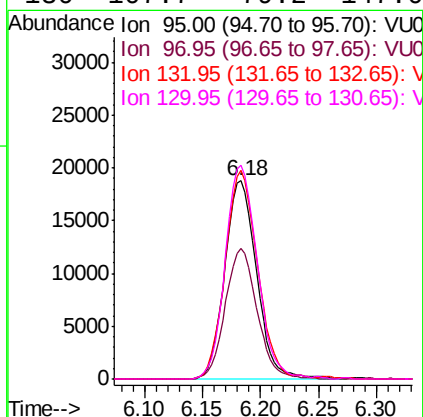
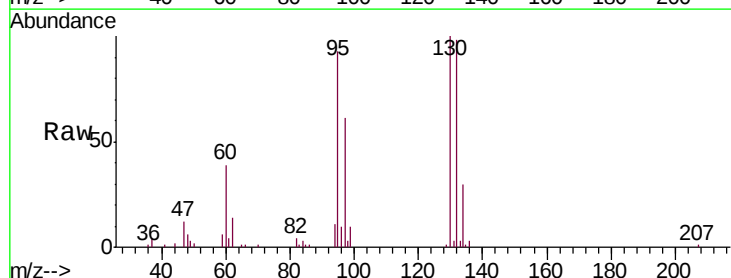
Instrument :
MSVOA_U
ClientSampleId :
GAGH3

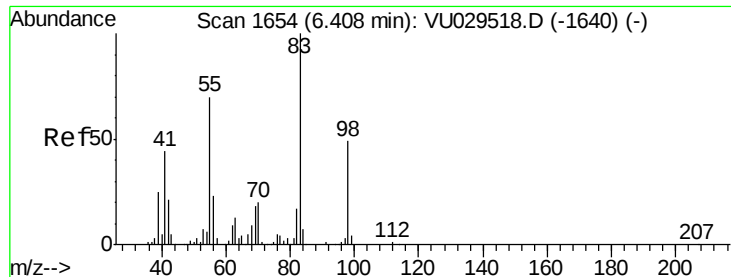
Tgt Ion: 117 Resp: 66739
Ion Ratio Lower Upper
117 100
119 92.2 78.1 117.1



#34
Trichloroethene
Concen: 1.965 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Tgt Ion: 95 Resp: 36035
Ion Ratio Lower Upper
95 100
97 66.1 46.3 86.1
132 105.1 72.9 135.3
130 107.7 79.2 147.0





#35

Methylcyclohexane

Concen: 0.526 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

GAGH3

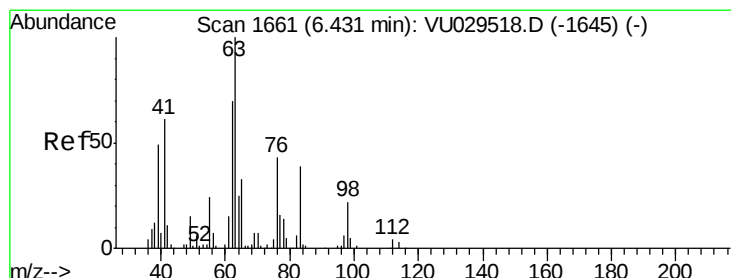
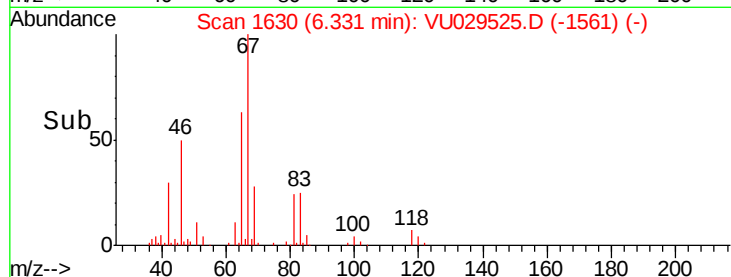
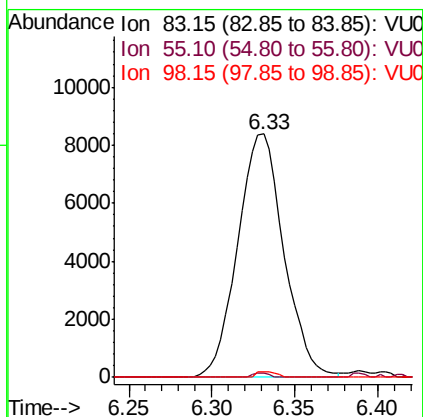
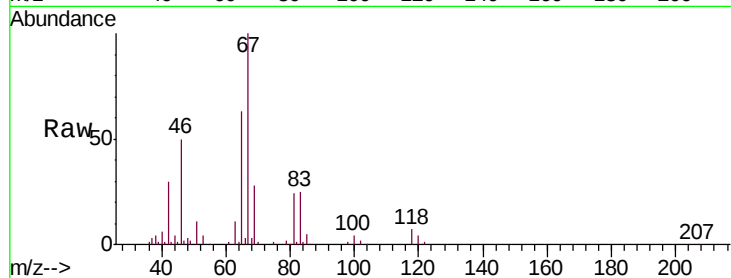
Tgt Ion: 83 Resp: 16222

Ion Ratio Lower Upper

83 100

55 0.6 55.9 83.9#

98 1.0 38.6 57.8#



#37

1,2-Dichloropropane

Concen: 0.461 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029525.D

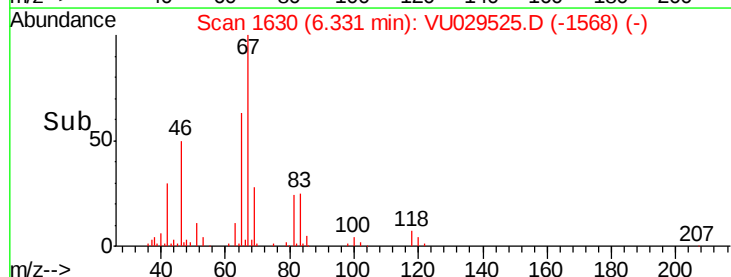
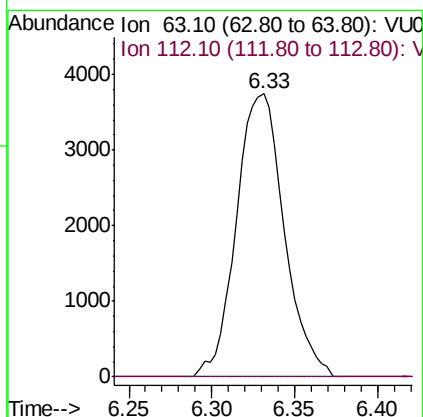
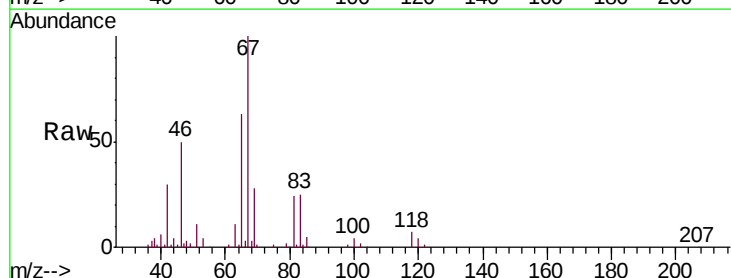
Acq: 18 Feb 2019 13:21

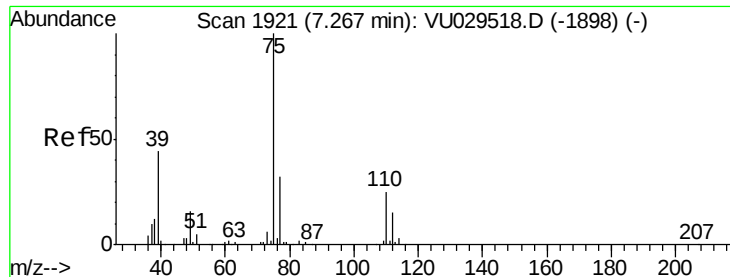
Tgt Ion: 63 Resp: 7526

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

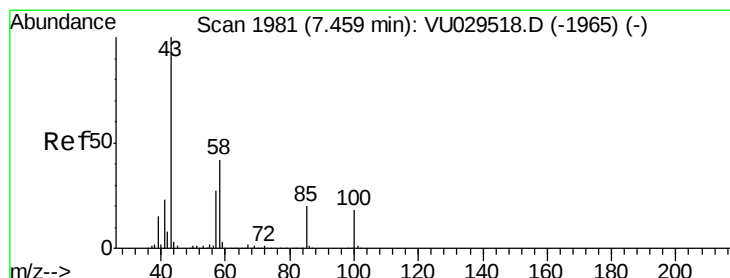
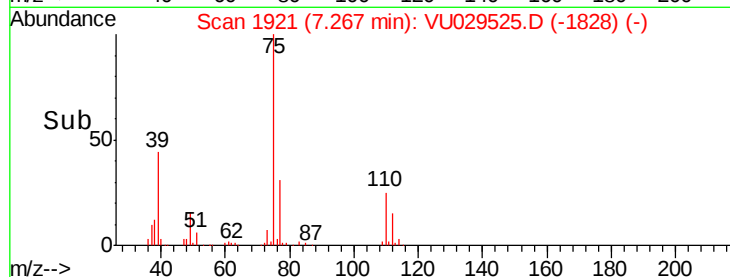
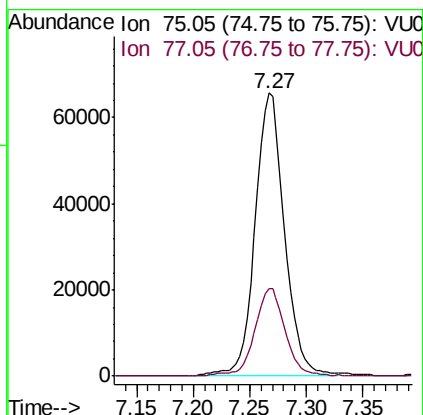
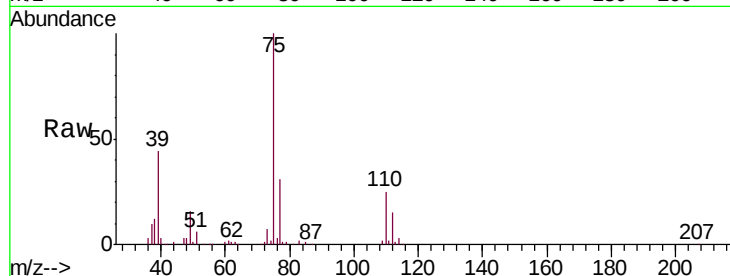




#39
 cis-1,3-Dichloropropene
 Concen: 4.620 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

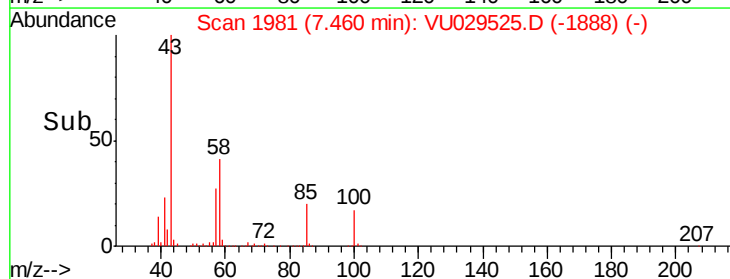
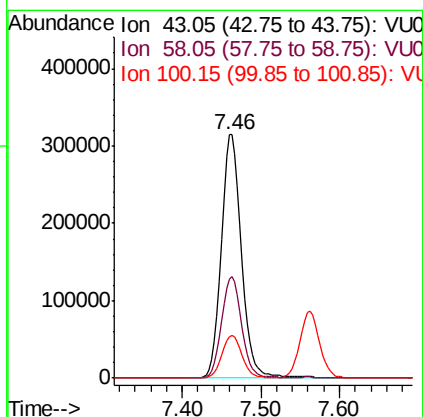
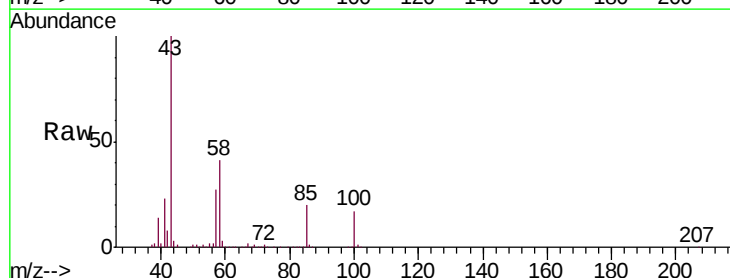
Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

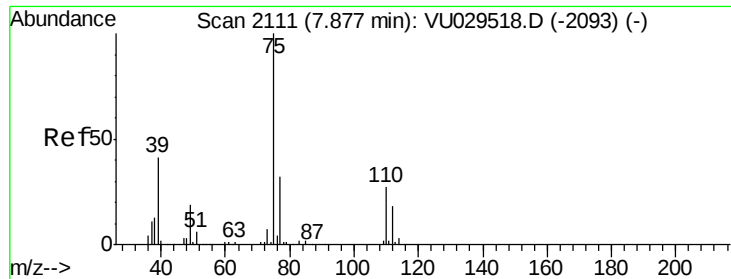
Tgt Ion: 75 Resp: 118768
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 58.658 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion: 43 Resp: 552267
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.2
 100 17.7 14.4 21.6





#44

trans-1,3-Dichloropropene

Concen: 2.316 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

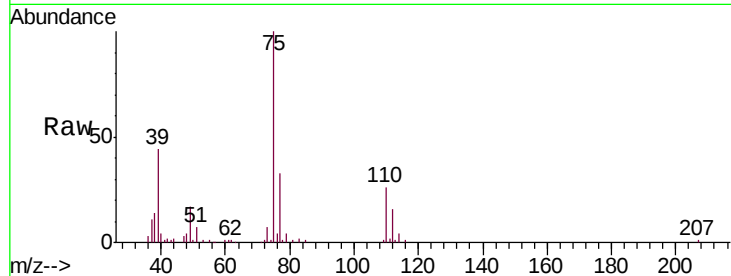
GAGH3

Tgt Ion: 75 Resp: 48897

Ion Ratio Lower Upper

75 100

77 33.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU029518.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU029518.D (-2093) (-)

7.88

30000

25000

20000

15000

10000

5000

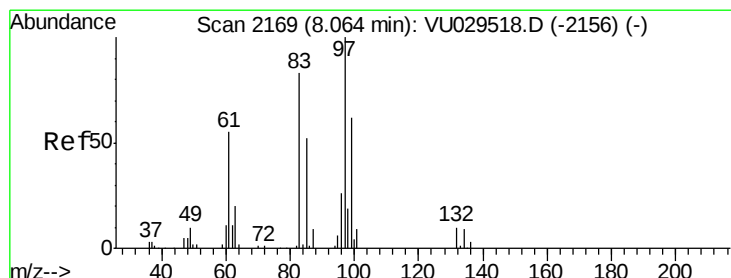
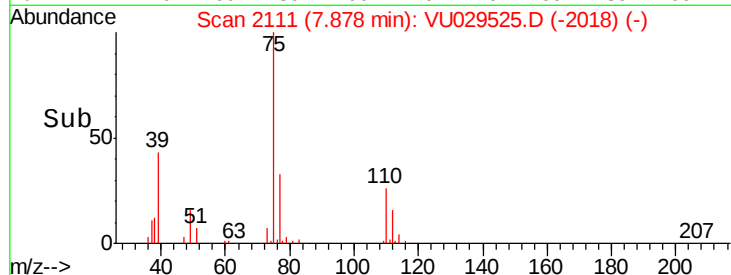
0

7.80

7.90

8.00

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.967 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU029525.D

Acq: 18 Feb 2019 13:21

Tgt Ion: 97 Resp: 24606

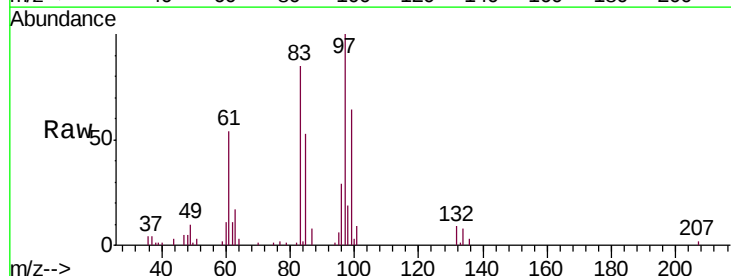
Ion Ratio Lower Upper

97 100

99 63.6 41.6 77.2

83 85.2 55.8 103.6

85 53.5 37.2 69.0



Abundance Ion 96.95 (96.65 to 97.65): VU029518.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU029518.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU029518.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU029518.D (-2156) (-)

20000

15000

10000

5000

0

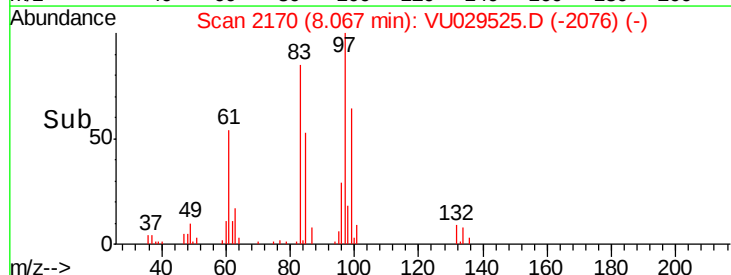
8.00

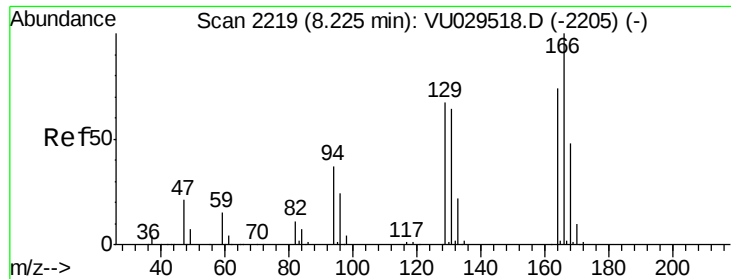
8.05

8.10

8.15

Time-->

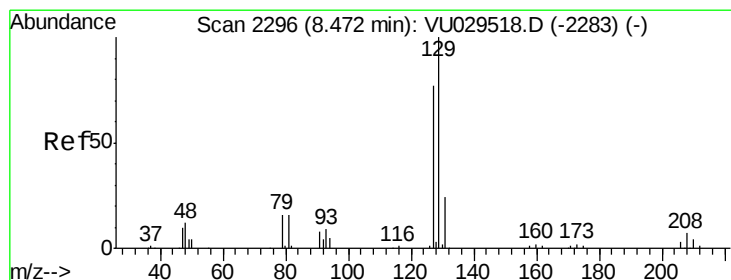
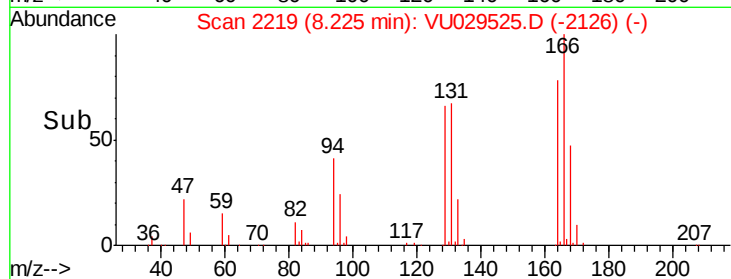
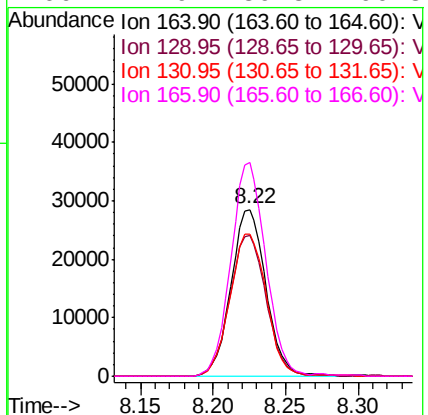
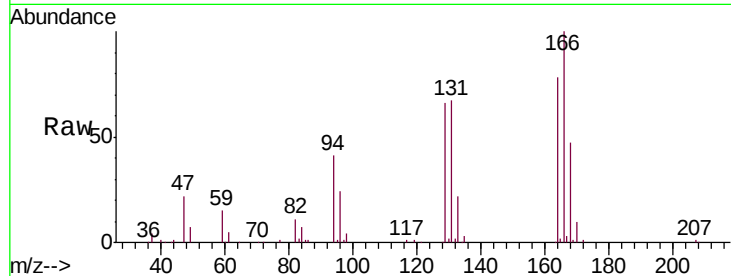




#47
Tetrachloroethene
Concen: 2.831 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

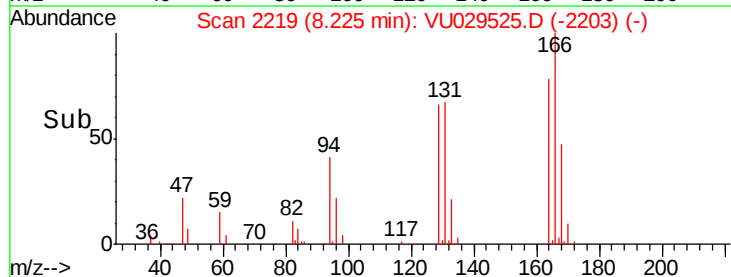
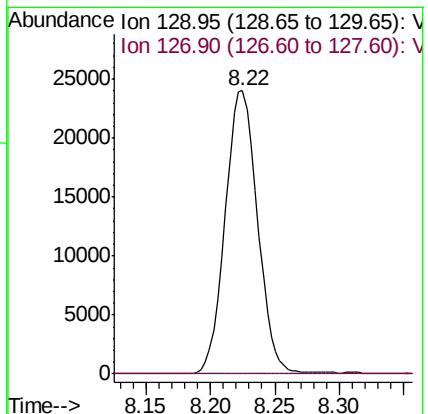
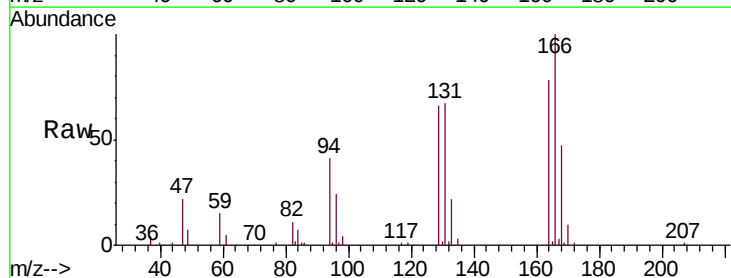
Instrument :
MSVOA_U
ClientSampleId :
GAGH3

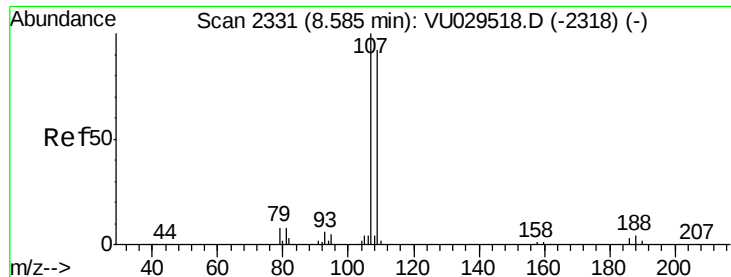
Tgt Ion:164 Resp: 47542
Ion Ratio Lower Upper
164 100
129 84.1 62.9 116.9
131 85.5 62.1 115.3
166 127.9 89.8 166.8



#49
Dibromochloromethane
Concen: 2.488 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Tgt Ion:129 Resp: 41951
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#

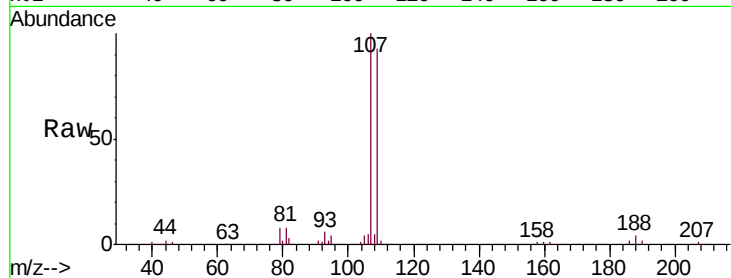




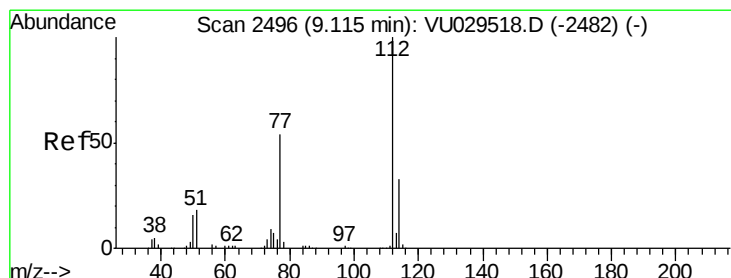
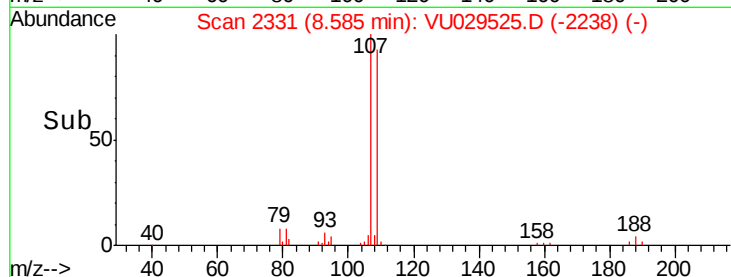
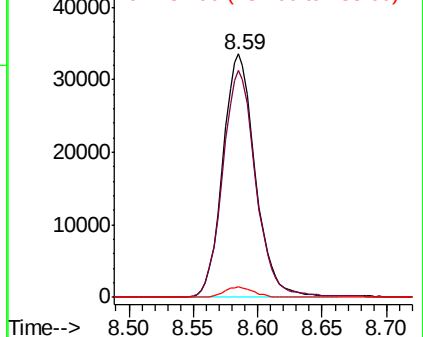
#50
1,2-Dibromoethane
Concen: 4.741 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Instrument :
MSVOA_U
ClientSampleId :
GAGH3

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	64.1	119.1
188	4.1	3.7	5.5

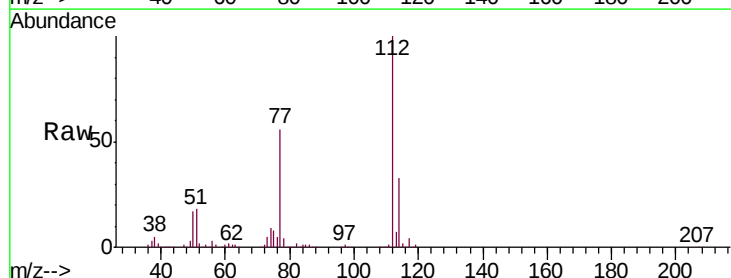


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

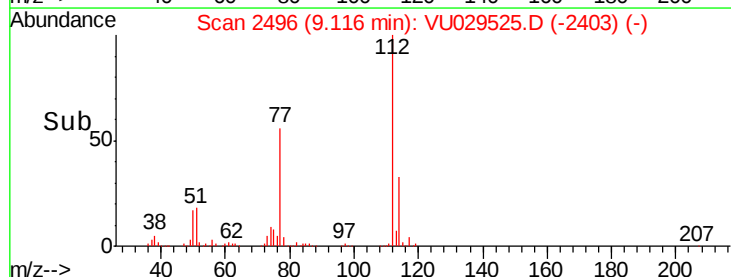
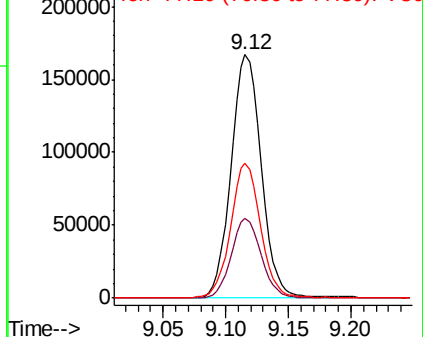


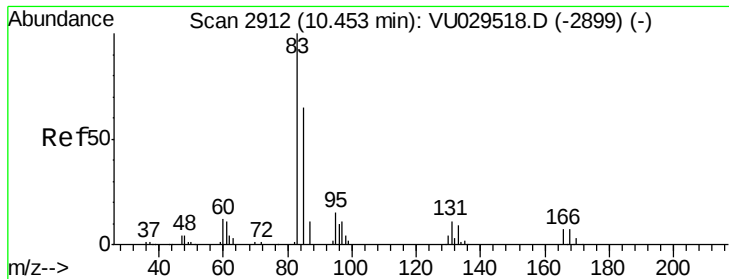
#51
Chlorobenzene
Concen: 5.555 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.9	42.5
77	55.6	41.8	62.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

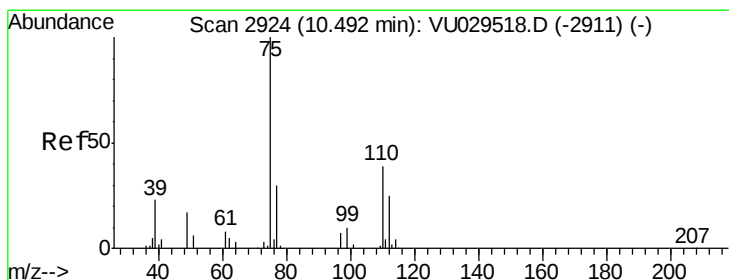
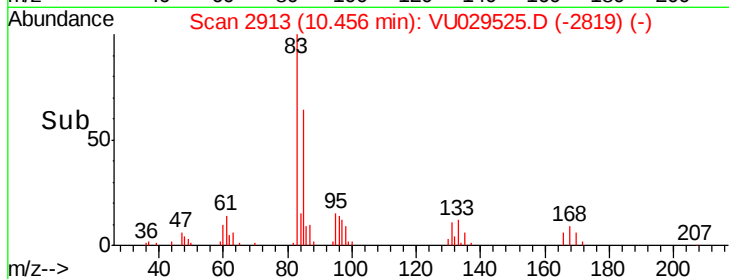
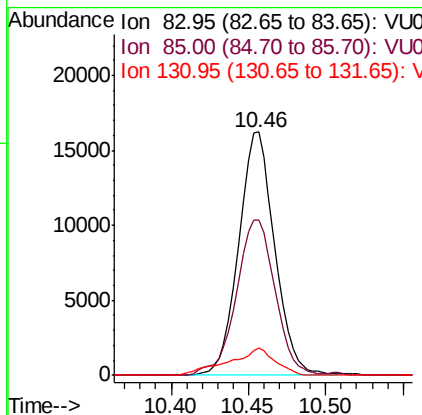
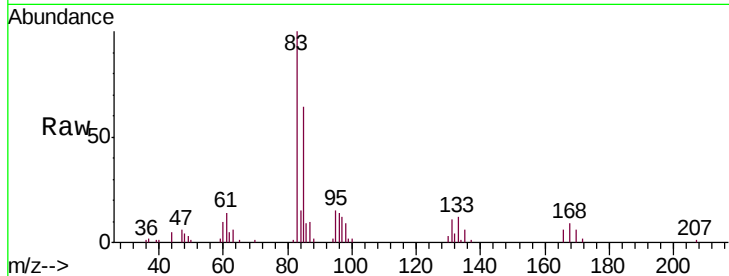




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.720 ug/L
 RT: 10.46 min Scan# 2913
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

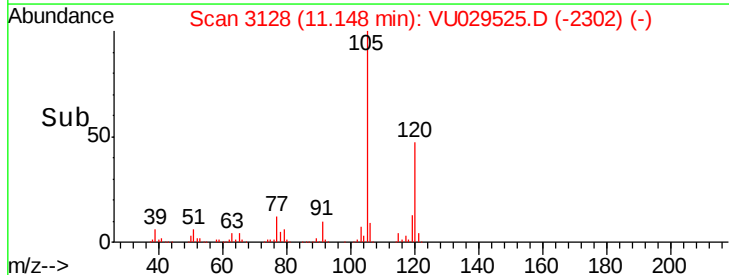
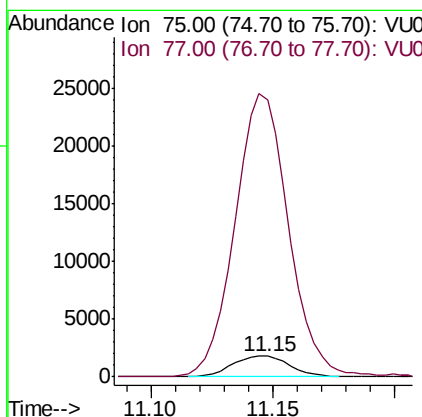
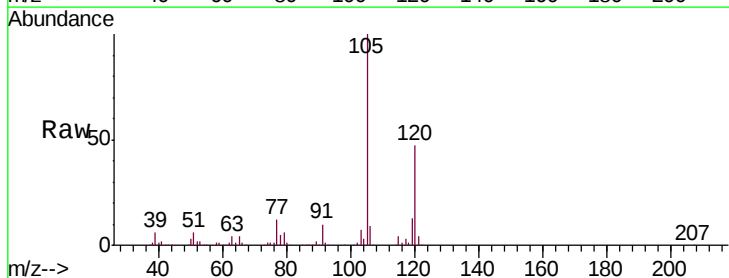
Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

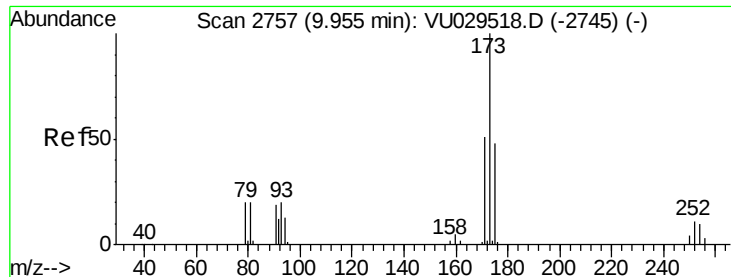
Tgt Ion: 83 Resp: 26264
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.5 86.3
 131 11.0 8.3 12.5



#59
 1,2,3-Trichloropropane
 Concen: 0.278 ug/L
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.66 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion: 75 Resp: 2910
 Ion Ratio Lower Upper
 75 100
 77 1293.7 28.2 42.2#

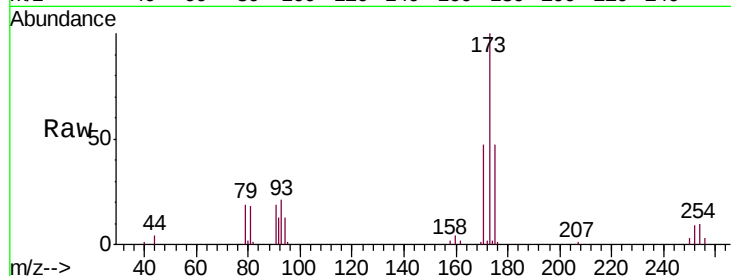




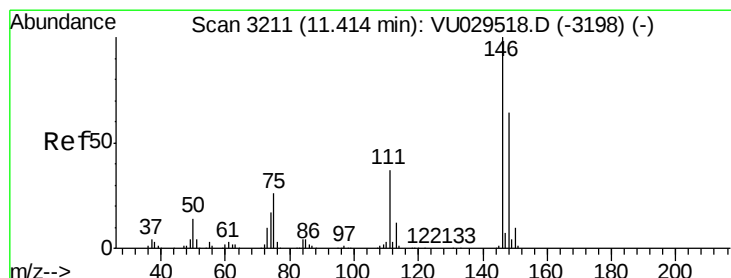
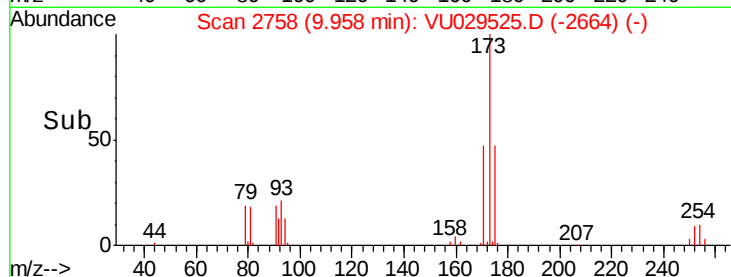
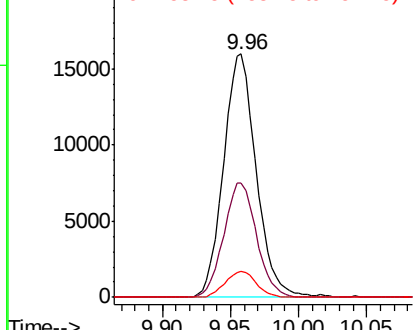
#61
Bromoform
Concen: 2.540 ug/L
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Instrument :
MSVOA_U
ClientSampleId :
GAGH3

Tgt Ion:173 Resp: 26571
Ion Ratio Lower Upper
173 100
175 47.2 39.2 58.8
254 10.0 7.8 11.6

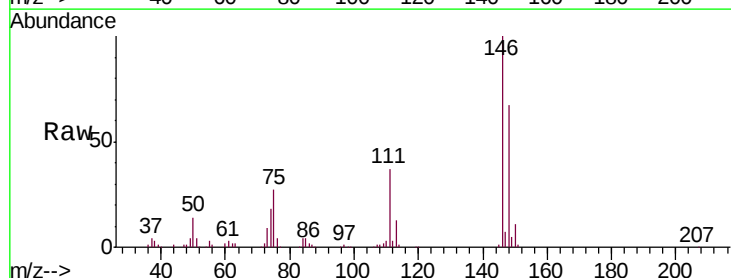


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

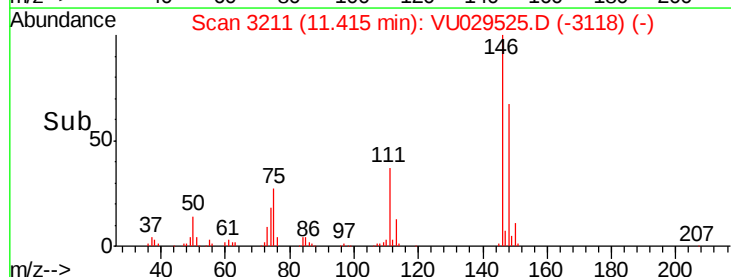
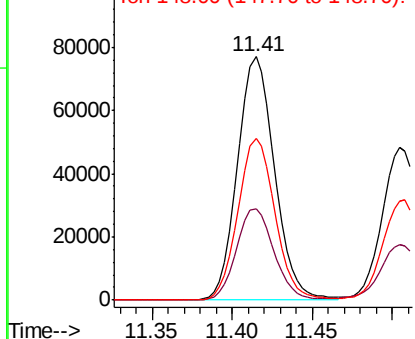


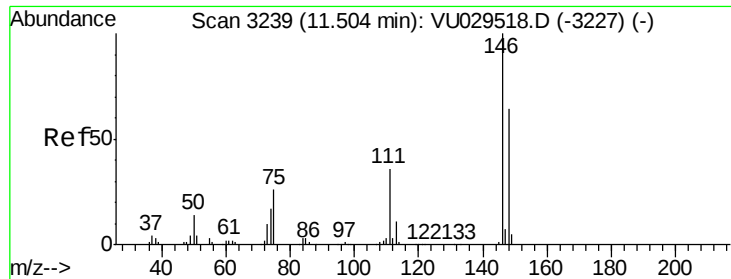
#62
1,3-Dichlorobenzene
Concen: 2.780 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029525.D
Acq: 18 Feb 2019 13:21

Tgt Ion:146 Resp: 121693
Ion Ratio Lower Upper
146 100
111 37.4 26.1 48.5
148 66.7 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

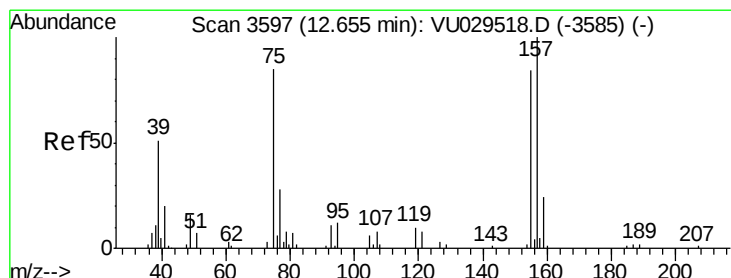
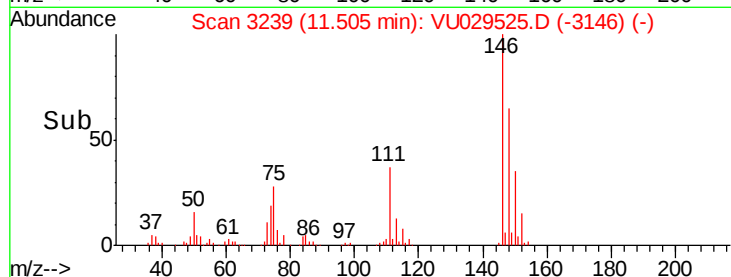
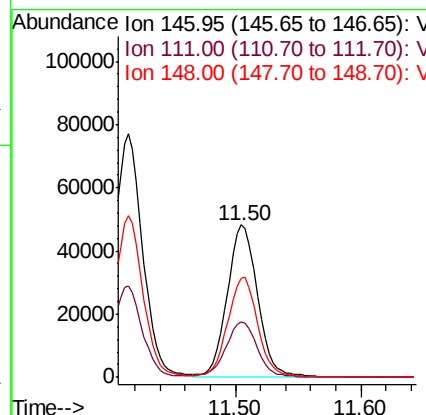
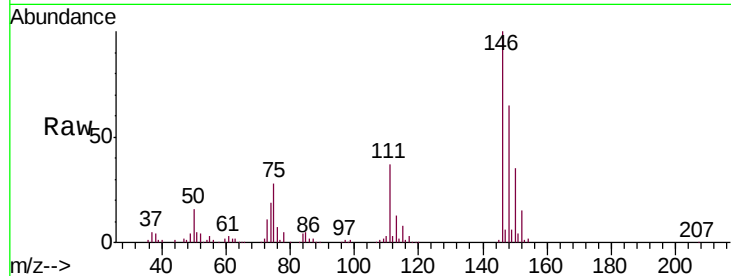




#63
 1,4-Dichlorobenzene
 Concen: 1.854 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

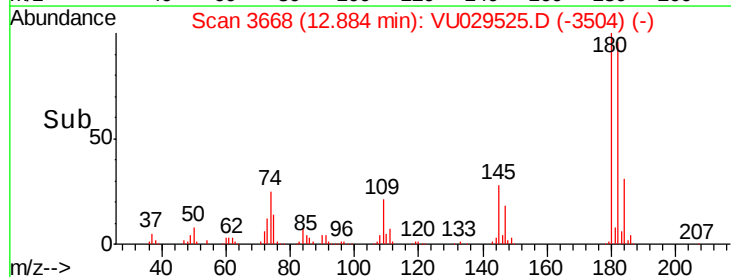
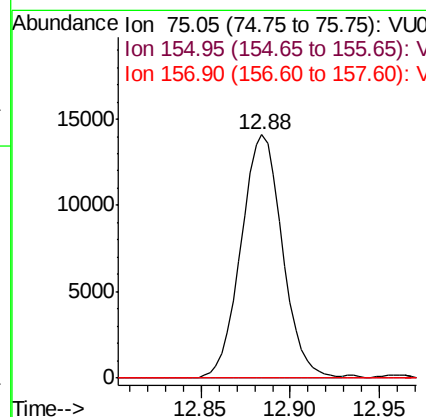
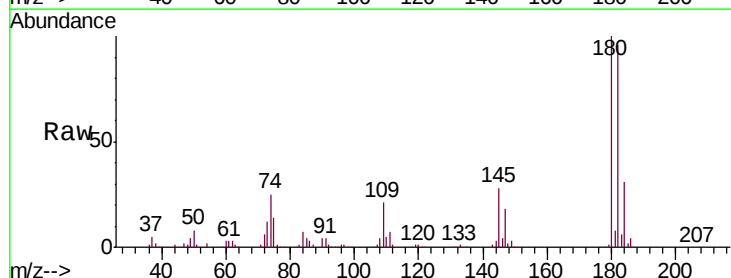
Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

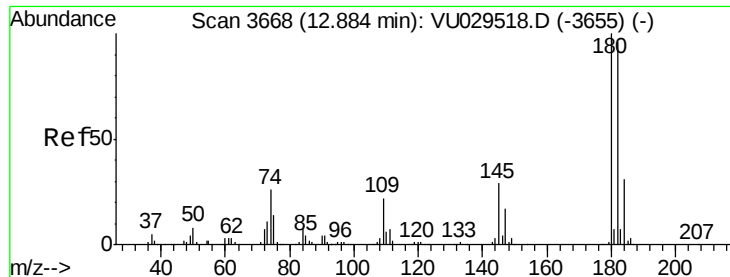
Tgt Ion: 146 Resp: 81062
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.6 47.6
 148 65.1 44.2 82.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.802 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.23 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion: 75 Resp: 22715
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.3 112.9#
 157 0.0 103.0 154.4#

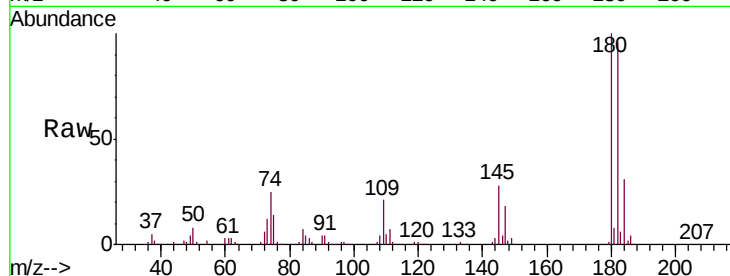




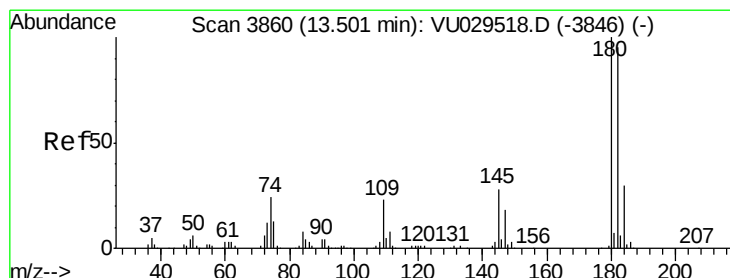
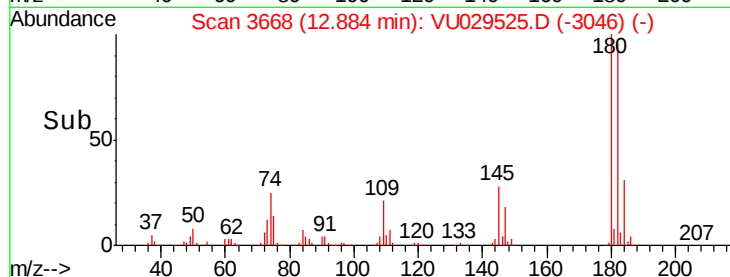
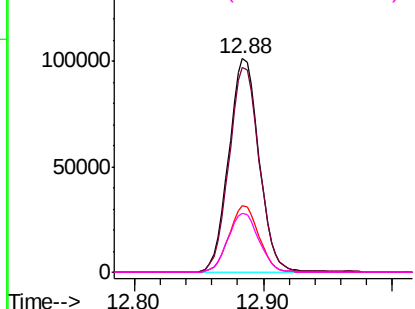
#67
 1,3,5-Trichlorobenzene
 Concen: 4.545 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

Tgt Ion:	180	Resp:	165116
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
184	30.9	24.1	36.1
145	28.4	22.6	34.0

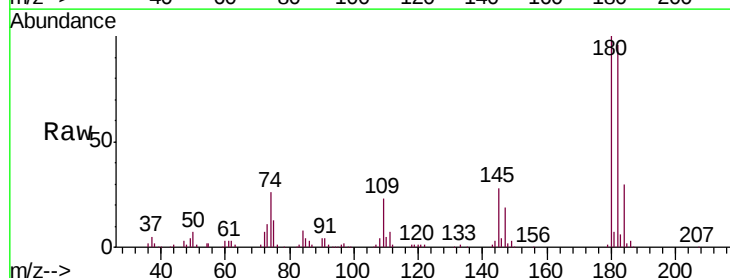


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

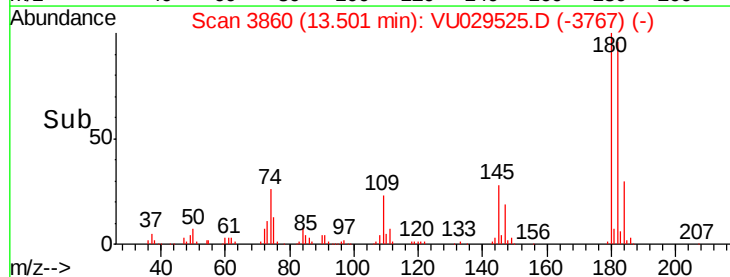
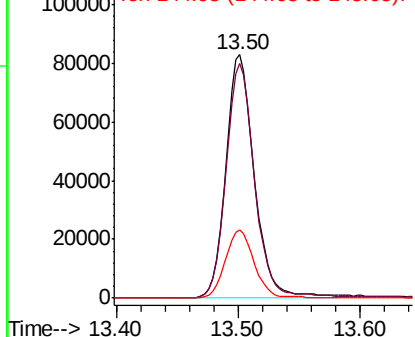


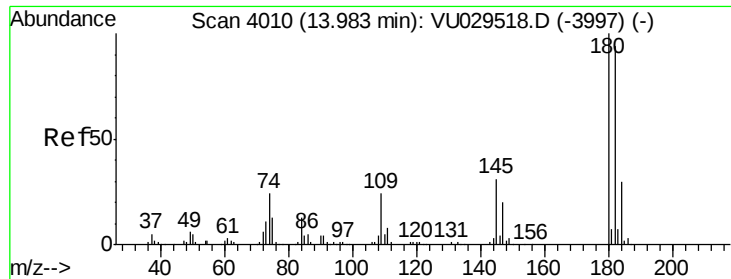
#68
 1,2,4-trichlorobenzene
 Concen: 4.439 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Tgt Ion:	180	Resp:	135824
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.1	115.7
145	28.4	23.1	34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

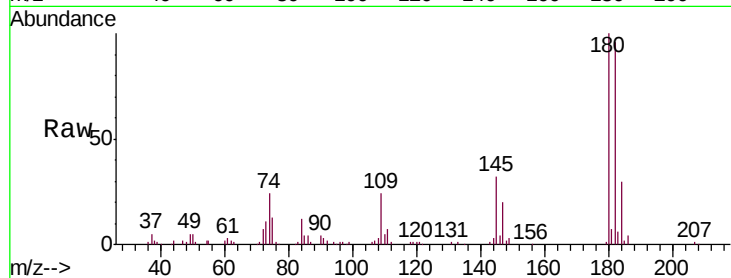




#70
 1,2,3-Trichlorobenzene
 Concen: 2.661 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029525.D
 Acq: 18 Feb 2019 13:21

Instrument :
 MSVOA_U
 ClientSampleId :
 GAGH3

Tgt Ion:180 Resp: 77840
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.9 113.9
 145 30.6 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

