

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029619.D
 Acq On : 22 Feb 2019 14:35
 Operator : JC/SP
 Sample : K1581-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB5Y8

Quant Time: Feb 22 22:57:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 22:13:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	482886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	474414	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136353	38.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.06%
7) Chloroethane-d5	1.67	69	124873	39.70	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.27	63	301543	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
21) 2-Butanone-d5	4.18	46	211626	98.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.28%
24) Chloroform-d	4.64	84	268886	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
26) 1,2-Dichloroethane-d4	5.31	65	169118	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
32) Benzene-d6	5.34	84	542145	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
36) 1,2-Dichloropropane-d6	6.32	67	172831	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.24%
41) Toluene-d8	7.56	98	518684	42.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.16%
43) trans-1,3-Dichloropropene-	7.85	79	84075	44.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.26%
47) 2-Hexanone-d5	8.31	63	190105	95.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	286716	47.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	240952	44.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	97215	29.361	ug/L	99
3) Chloromethane	1.32	50	80454	27.699	ug/L	99
5) Vinyl chloride	1.40	62	217078	55.030	ug/L	100
6) Bromomethane	1.61	94	40929	22.734	ug/L	99
8) Chloroethane	1.68	64	67761	25.826	ug/L	96
9) Trichlorofluoromethane	1.88	101	251121	39.935	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	68221	20.282	ug/L	99
12) 1,1-Dichloroethene	2.28	96	200825	62.802	ug/L	83
16) Methylene chloride	2.70	84	137777	44.526	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	63003	21.346	ug/L	100
19) 1,1-Dichloroethane	3.44	63	345692	67.736	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	145082	42.304	ug/L	98
23) Bromochloromethane	4.54	128	76954	40.932	ug/L	94
25) Chloroform	4.67	83	342248	60.106	ug/L	99
27) 1,2-Dichloroethane	5.40	62	310798	70.993	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	100848	20.048	ug/L	99
31) Carbon tetrachloride	5.13	117	266940	58.631	ug/L	99

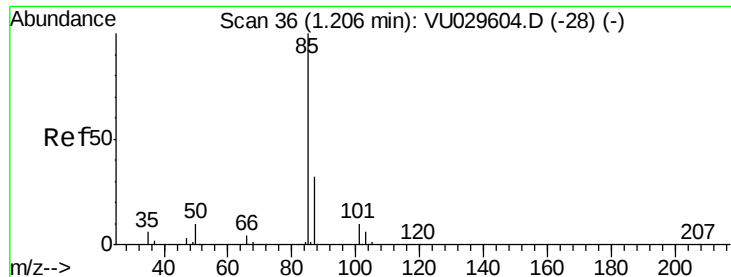
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	5.39	78	589622	48.476	ug/L	100
34) Trichloroethene	6.18	95	280120	85.490	ug/L	96
37) 1,2-Dichloropropane	6.43	63	130809	40.969	ug/L	99
38) Bromodichloromethane	6.75	83	85610	19.889	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	128641	24.972	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	231755	47.736	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	87336	25.663	ug/L	97
46) Tetrachloroethene	8.22	164	217010	67.665	ug/L	99
49) Dibromochloromethane	8.47	129	152748	37.023	ug/L	97
50) 1,2-Dibromoethane	8.58	107	114293	30.312	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	227374	37.782	ug/L	98
61) Bromoform	9.95	173	154864	45.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	50196	38.162	ug/L	90

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



#2

Dichlorodifluoromethane

Concen: 29.361 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

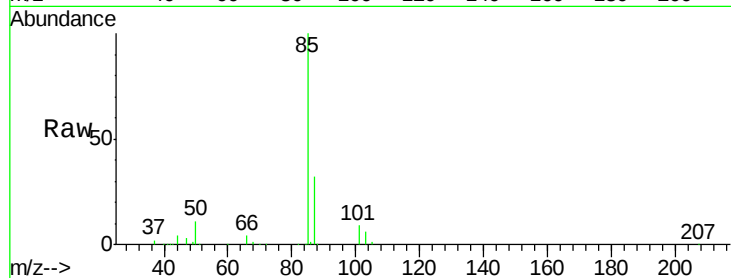
DB5Y8

Tot Ion: 85 Resp: 97215

Ion Ratio Lower Upper

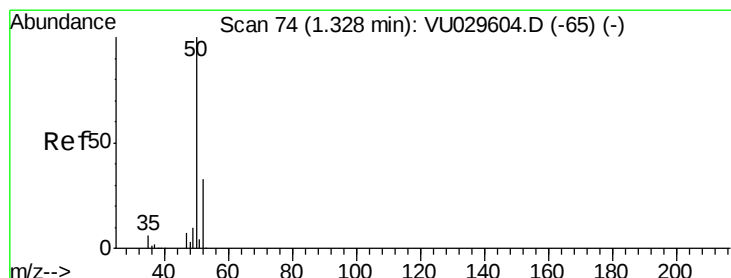
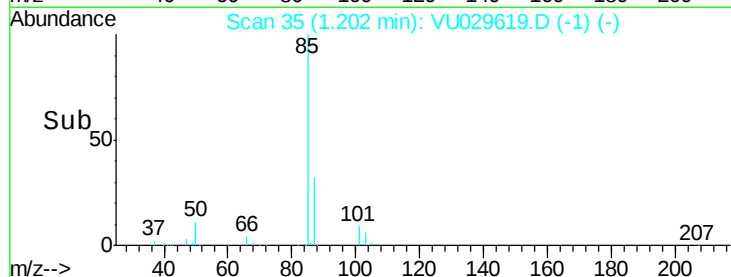
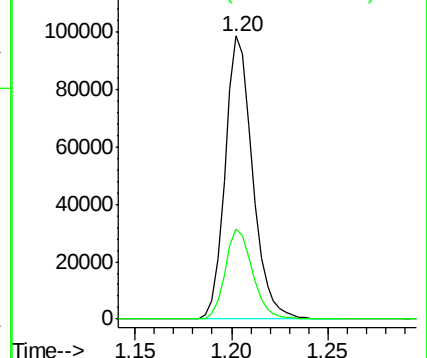
85 100

87 31.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 27.699 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029619.D

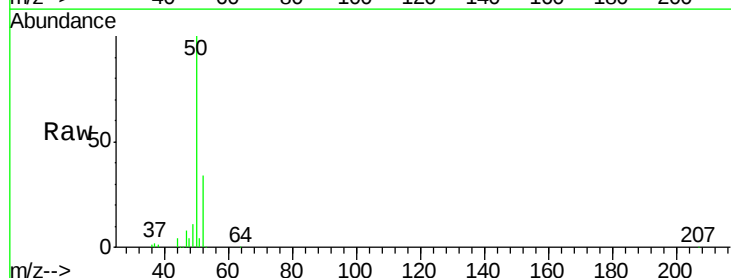
Acq: 22 Feb 2019 14:35

Tgt Ion: 50 Resp: 80454

Ion Ratio Lower Upper

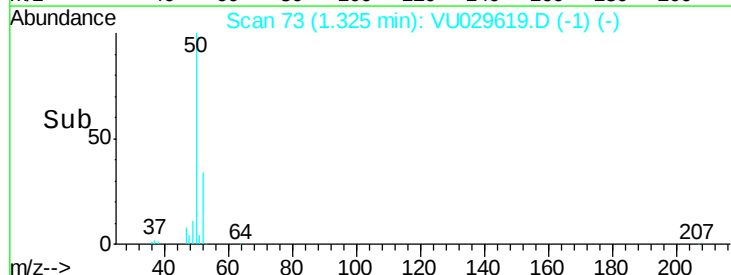
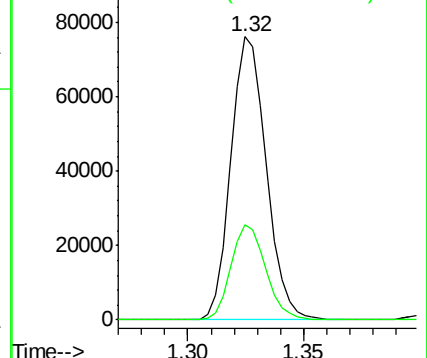
50 100

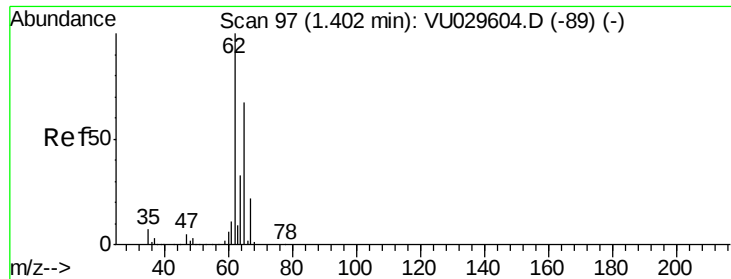
52 33.6 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 55.030 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

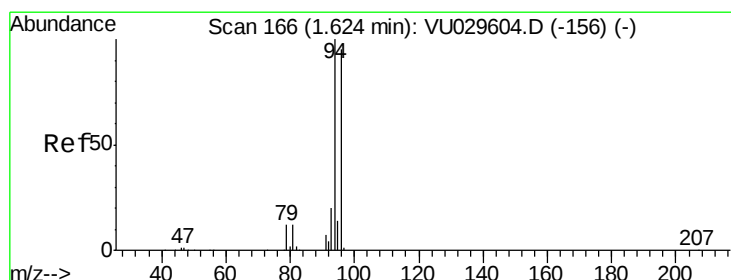
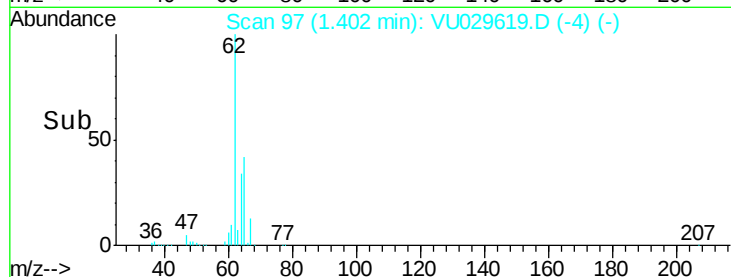
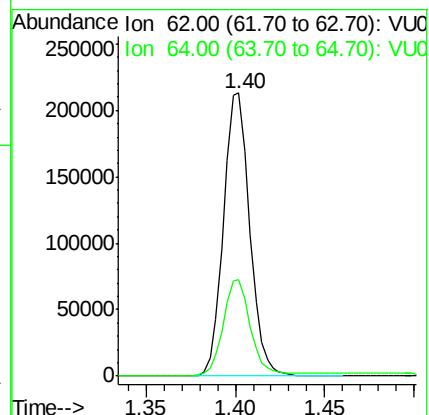
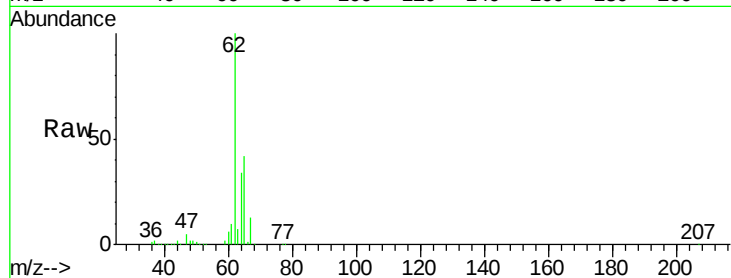
DB5Y8

Tot Ion: 62 Resp: 217078

Ion Ratio Lower Upper

62 100

64 34.1 23.7 43.9



#6

Bromomethane

Concen: 22.734 ug/L

RT: 1.61 min Scan# 161

Delta R.T. -0.02 min

Lab File: VU029619.D

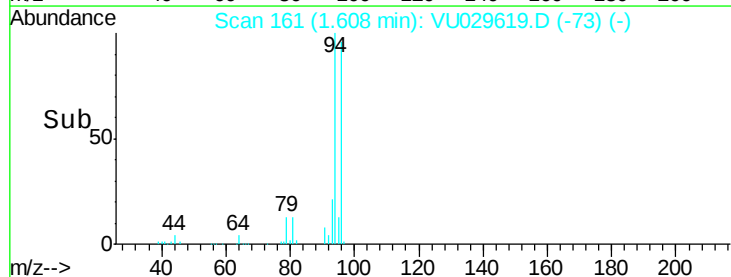
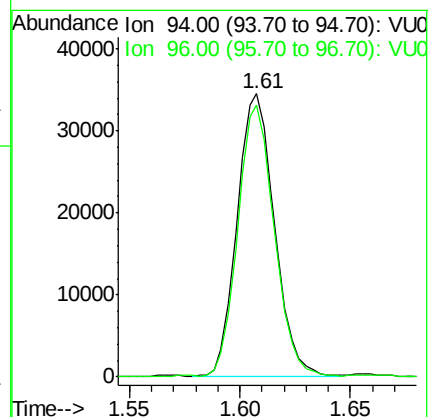
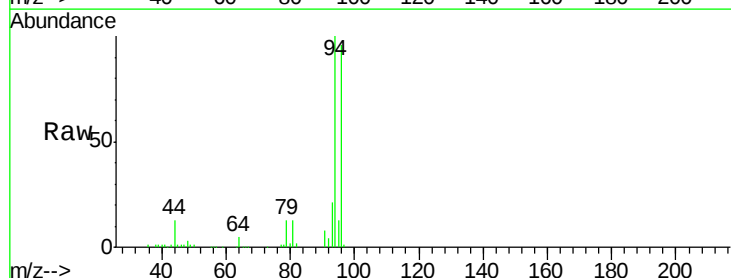
Acq: 22 Feb 2019 14:35

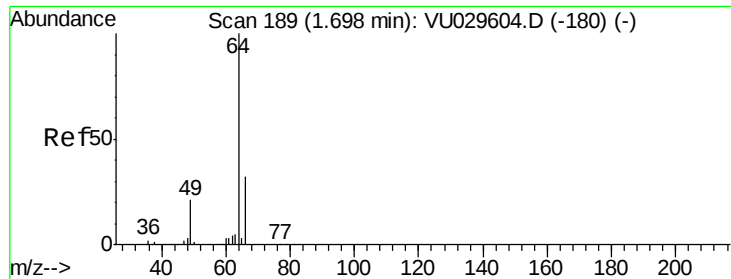
Tgt Ion: 94 Resp: 40929

Ion Ratio Lower Upper

94 100

96 96.0 66.4 123.2





#8

Chloroethane

Concen: 25.826 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

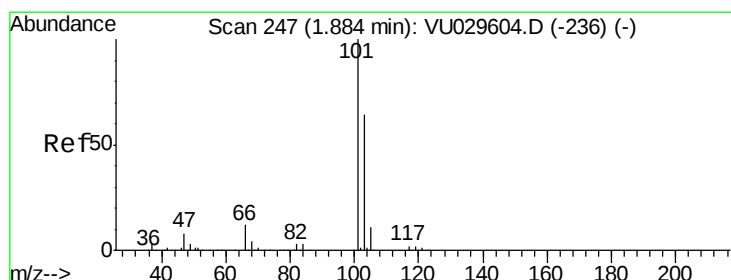
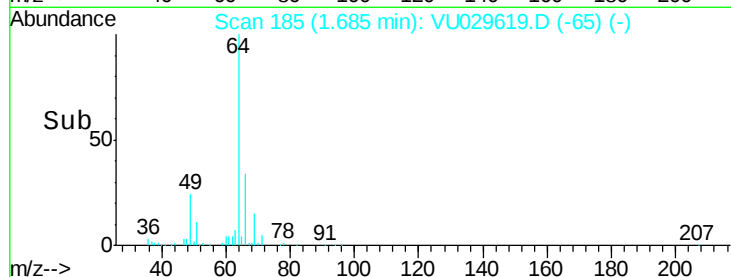
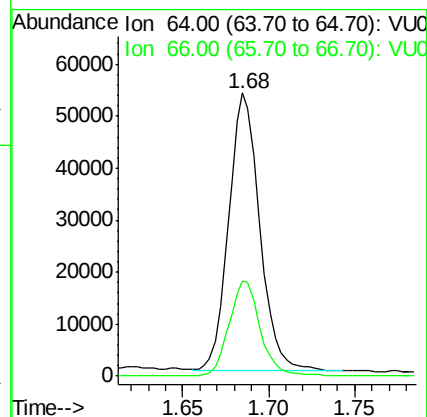
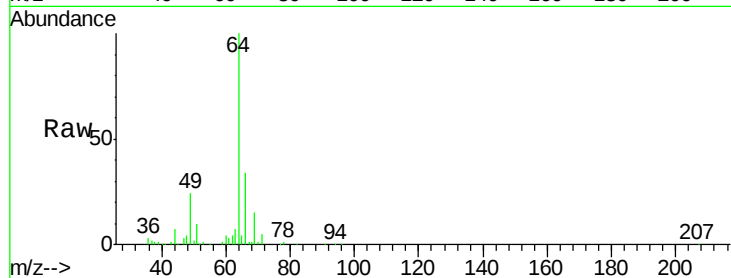
DB5Y8

Tot Ion: 64 Resp: 67761

Ion Ratio Lower Upper

64 100

66 33.8 22.0 41.0



#9

Trichlorofluoromethane

Concen: 39.935 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.01 min

Lab File: VU029619.D

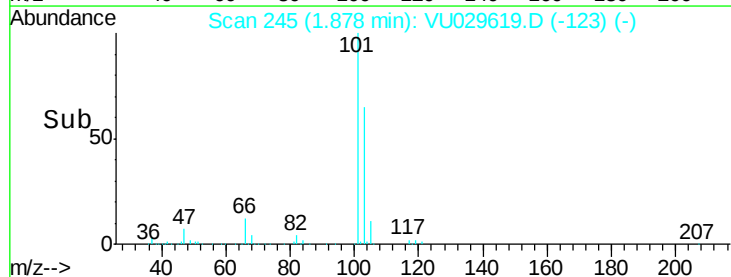
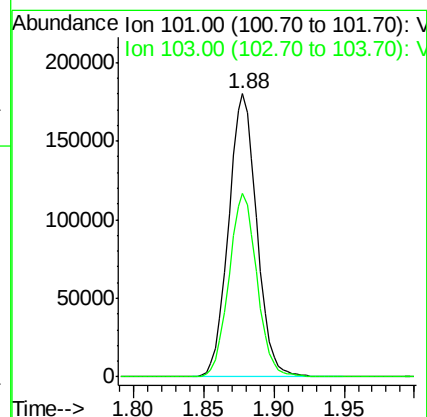
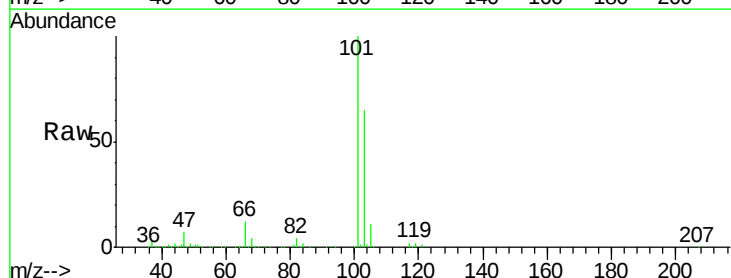
Acq: 22 Feb 2019 14:35

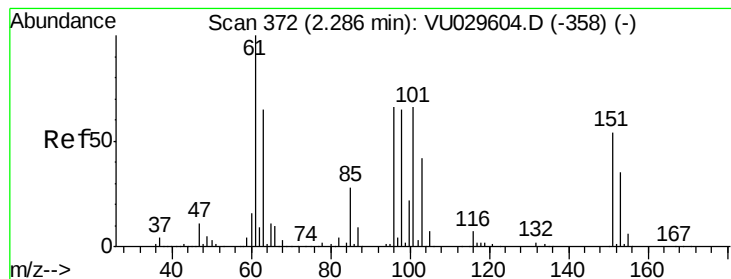
Tgt Ion: 101 Resp: 251121

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.2





#10

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

Concen: 20.282 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

DB5Y8

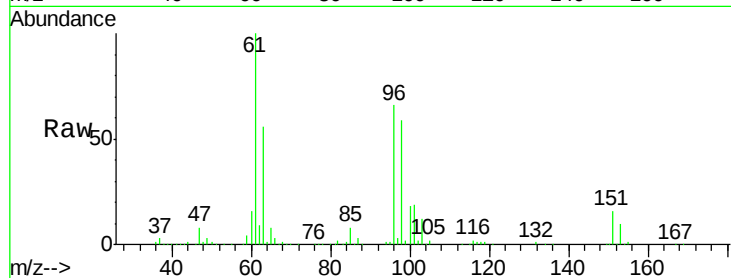
Tot Ion:101 Resp: 68221

Ion Ratio Lower Upper

101 100

85 41.8 33.0 49.6

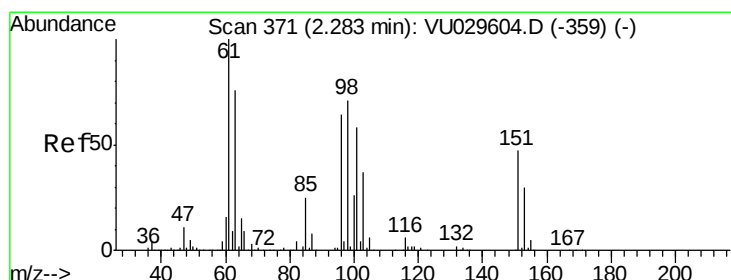
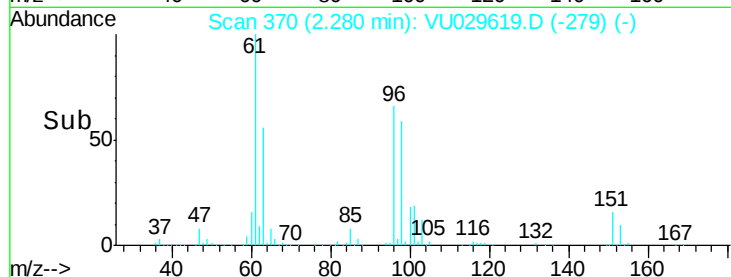
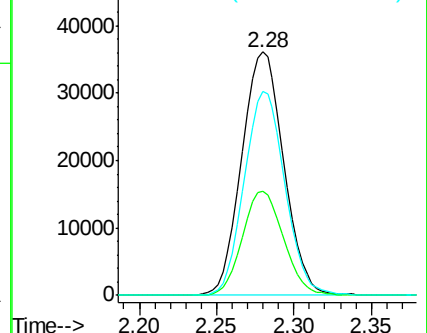
151 81.3 65.7 98.5



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: 62.802 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

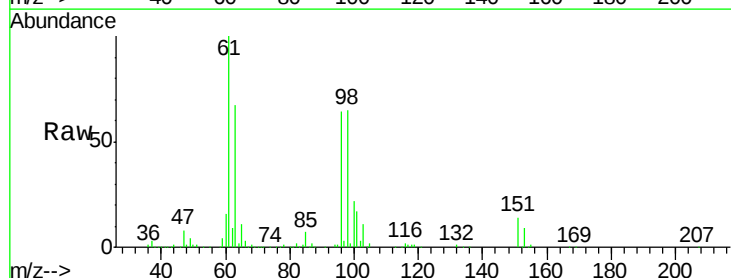
Tgt Ion: 96 Resp: 200825

Ion Ratio Lower Upper

96 100

61 155.5 114.0 211.8

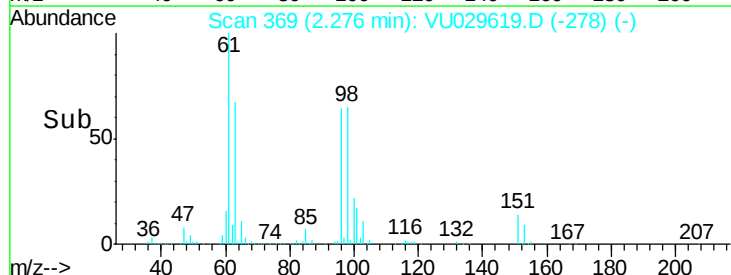
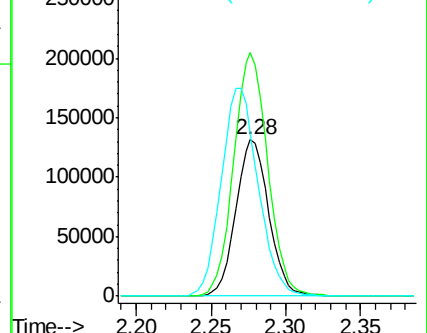
63 104.1 98.7 183.3

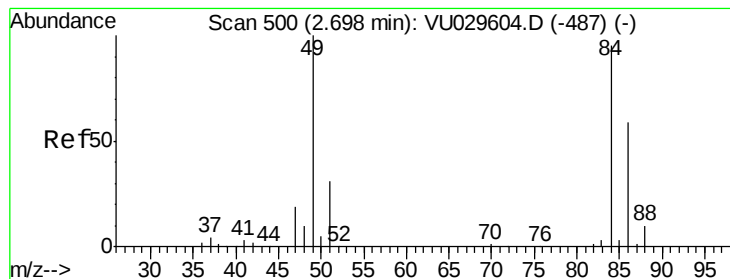


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methvlene chloride

Concen: 44.526 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampled :

DB5Y8

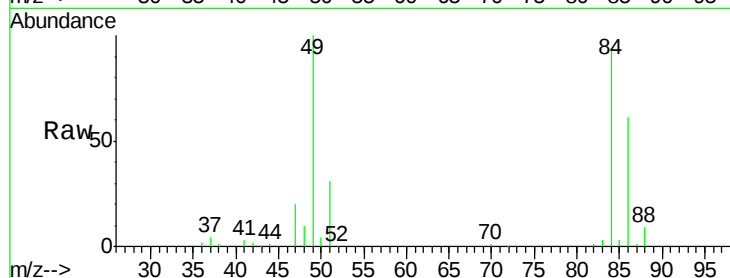
Tot Ion: 84 Resp: 137777

Ion Ratio Lower Upper

84 100

86 64.6 45.8 85.0

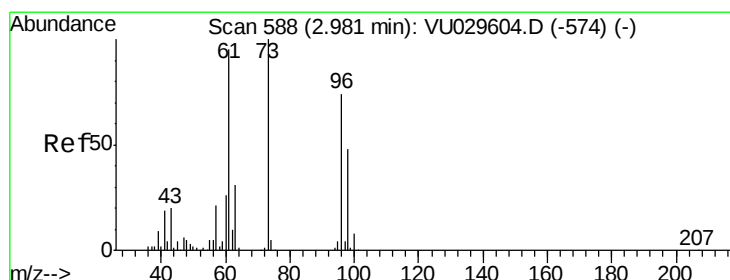
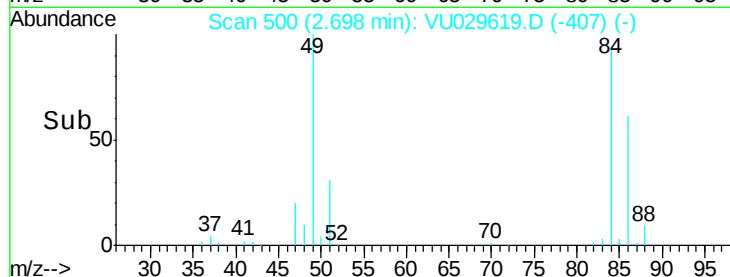
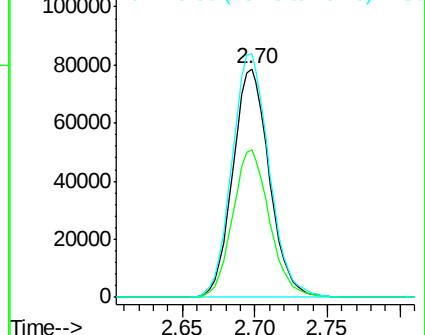
49 106.4 75.1 139.5



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 21.346 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

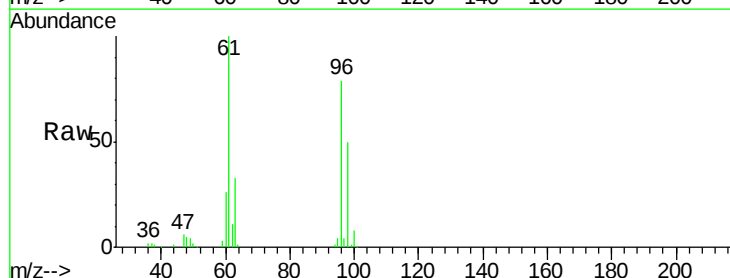
Tgt Ion: 96 Resp: 63003

Ion Ratio Lower Upper

96 100

61 125.8 88.3 163.9

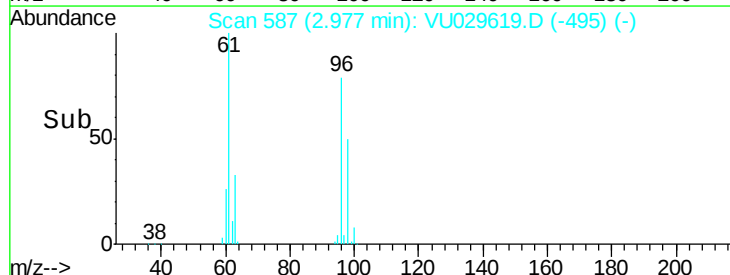
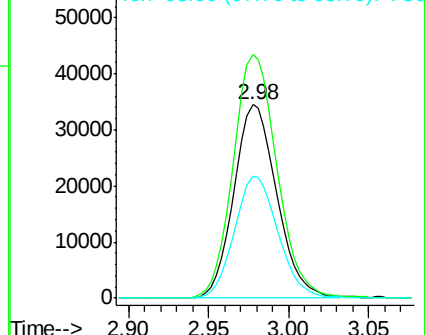
98 63.2 44.8 83.2

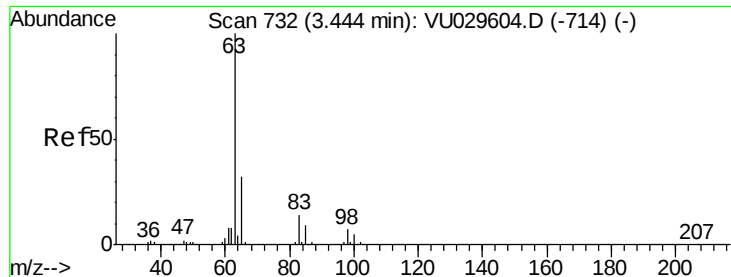


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

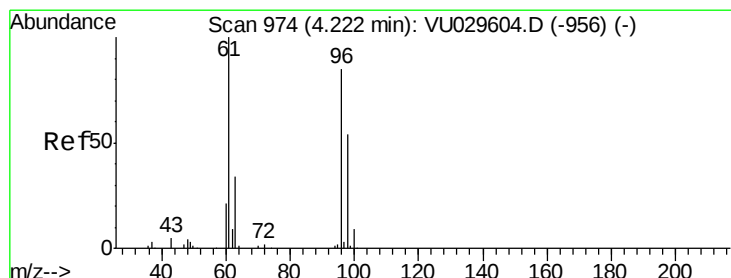
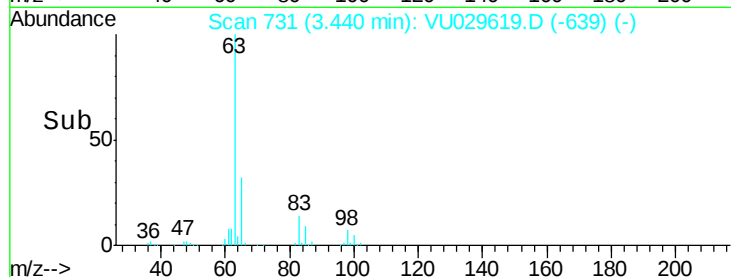
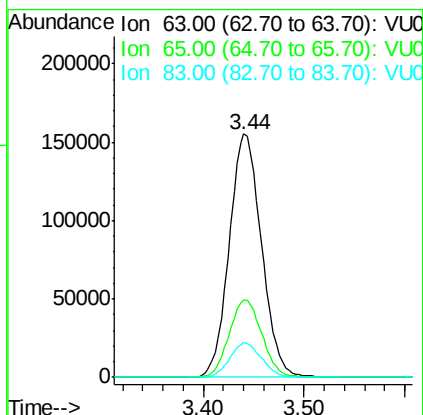
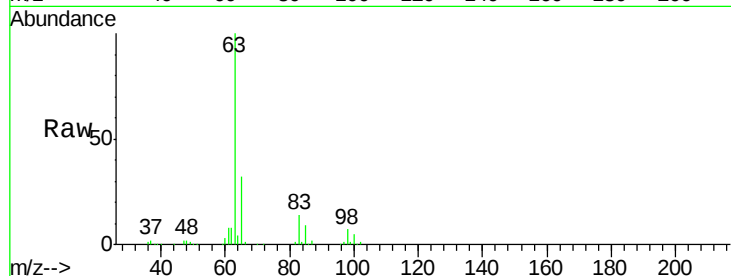




#19
 1,1-Dichloroethane
 Concen: 67.736 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029619.D
 Acq: 22 Feb 2019 14:35

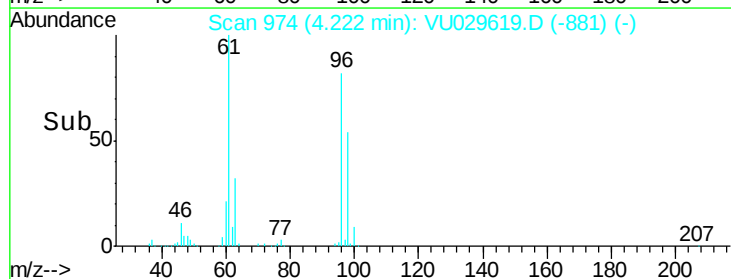
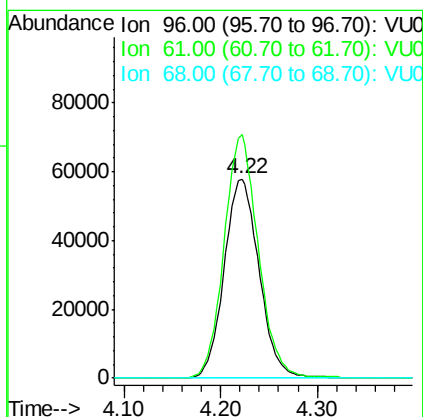
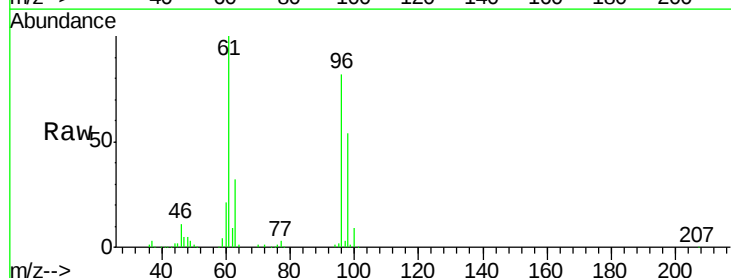
Instrument :
 MSVOA_U
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 DB5Y8

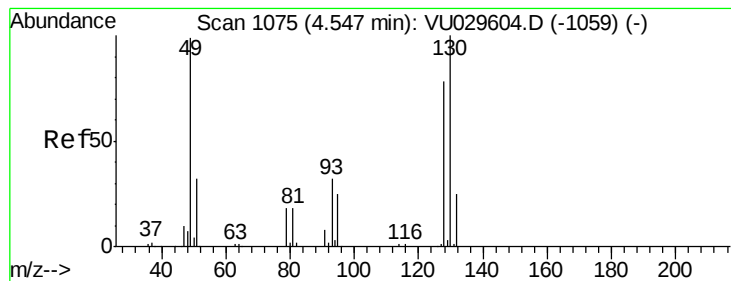
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.3	41.3
83	14.2	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 42.304 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029619.D
 Acq: 22 Feb 2019 14:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.2	83.9	155.7
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 40.932 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

DB5Y8

Tot Ion:128 Resp: 76954

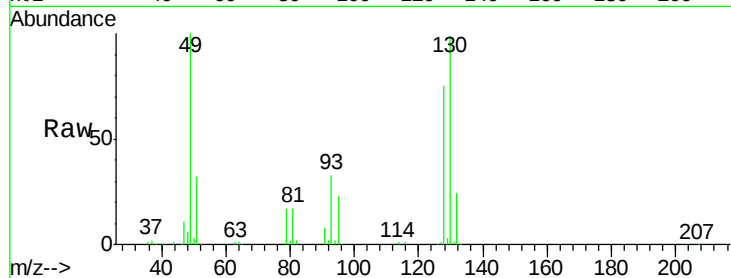
Ion Ratio Lower Upper

128 100

49 134.1 85.9 159.5

130 133.1 91.3 169.5

51 42.7 32.2 48.2

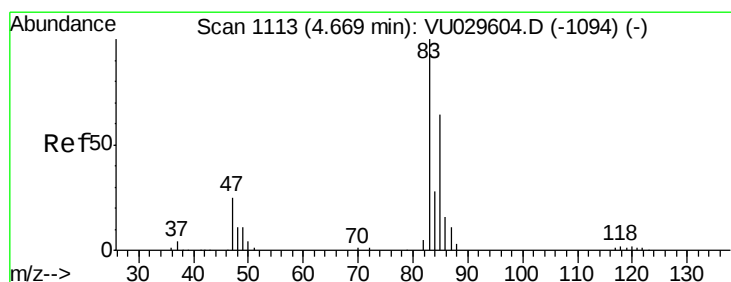
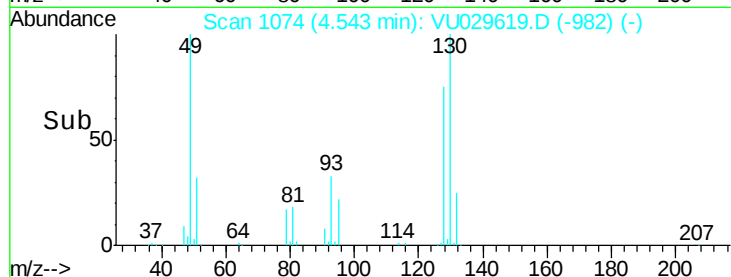
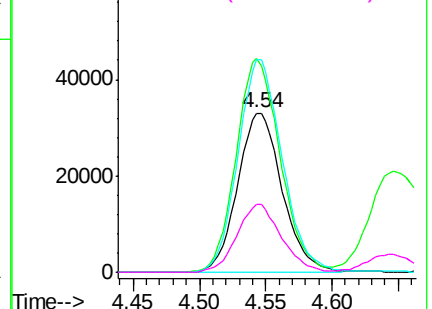


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 60.106 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029619.D

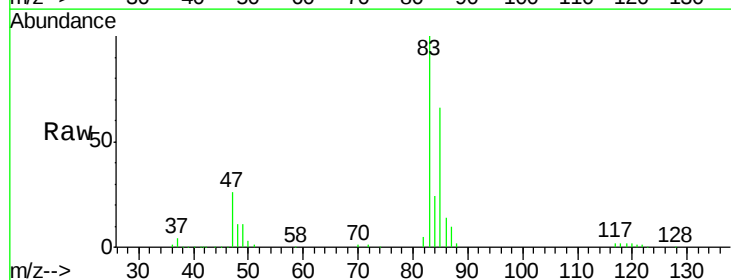
Acq: 22 Feb 2019 14:35

Tgt Ion: 83 Resp: 342248

Ion Ratio Lower Upper

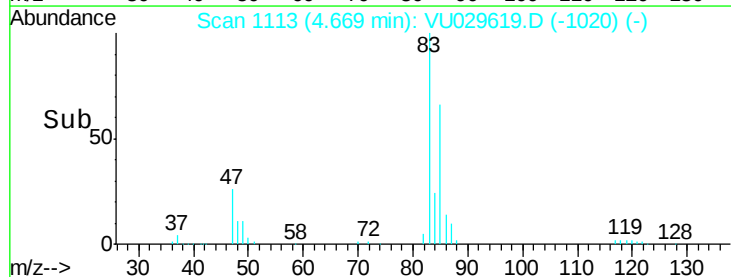
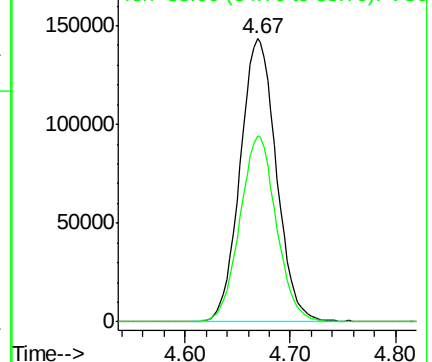
83 100

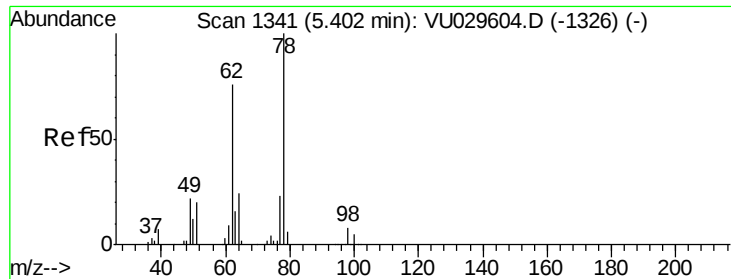
85 65.8 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 70.993 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

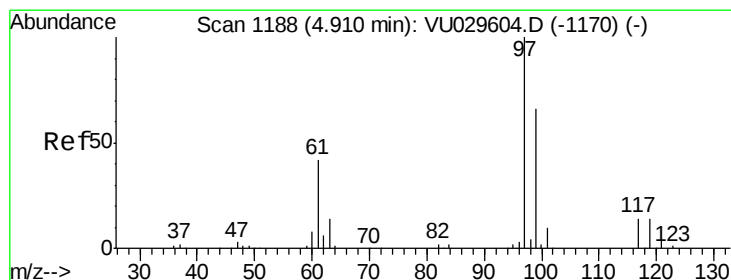
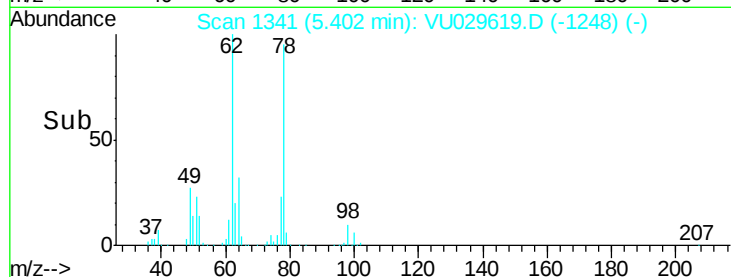
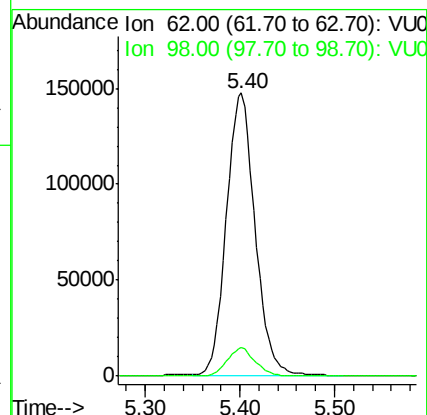
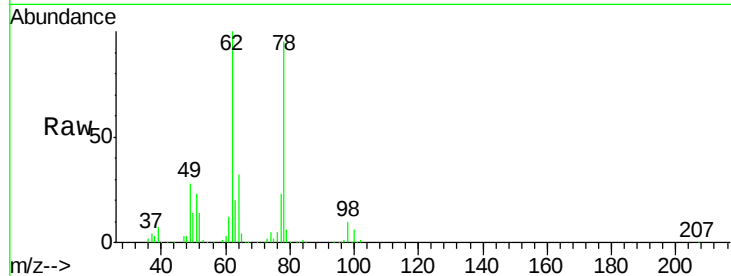
DB5Y8

Tot Ion: 62 Resp: 310798

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8



#30

1,1,1-Trichloroethane

Concen: 20.048 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

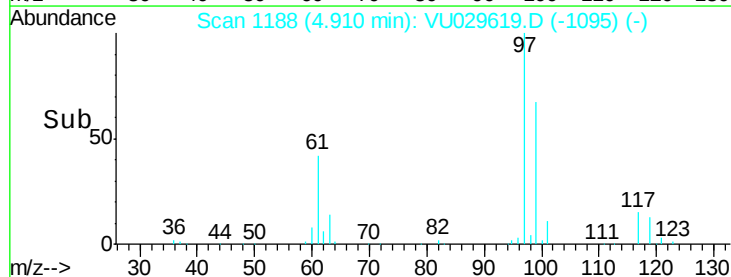
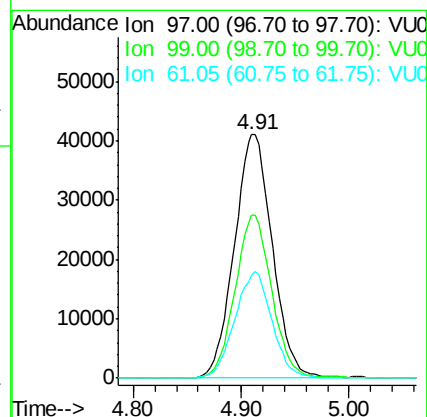
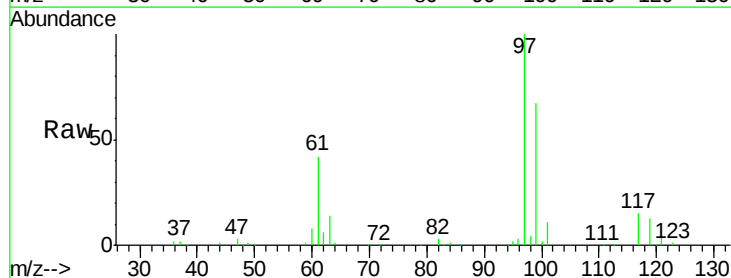
Tgt Ion: 97 Resp: 100848

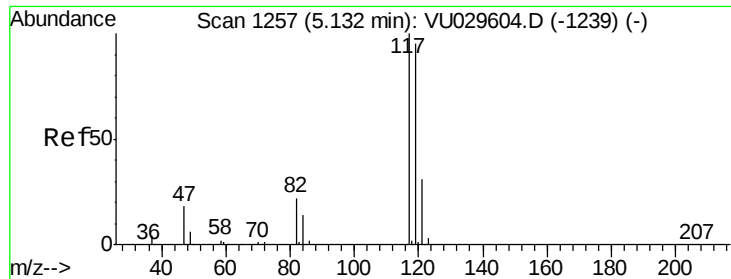
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 42.6 32.3 48.5

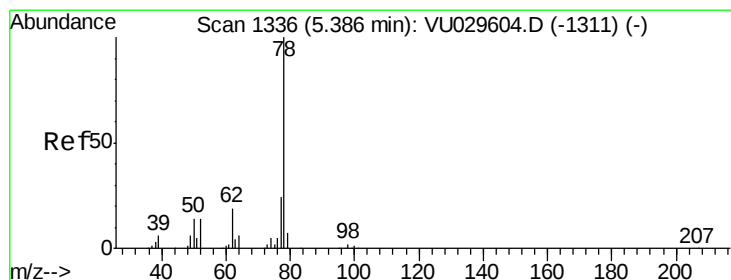
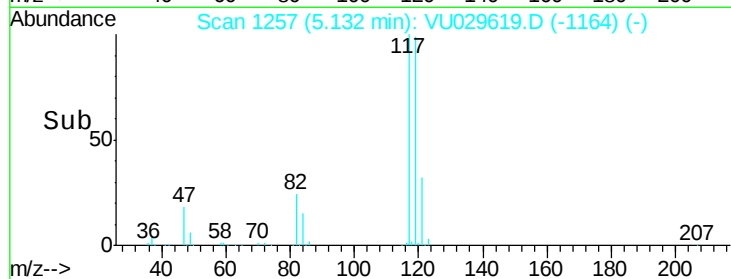
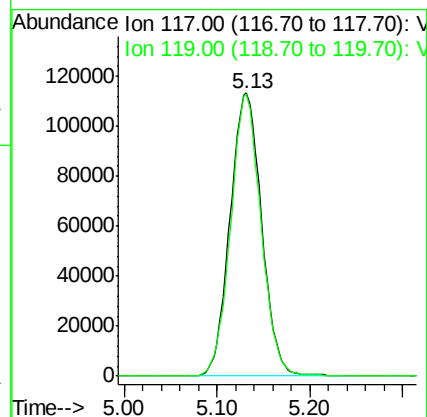
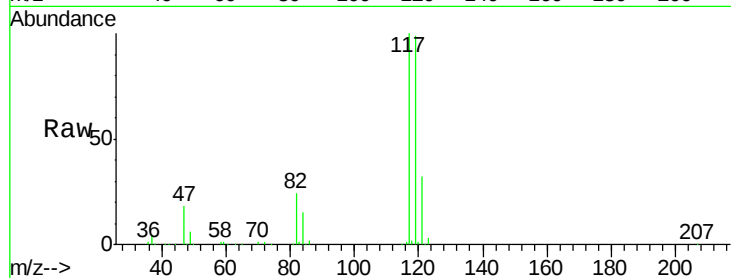




#31
Carbon tetrachloride
Concen: 58.631 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

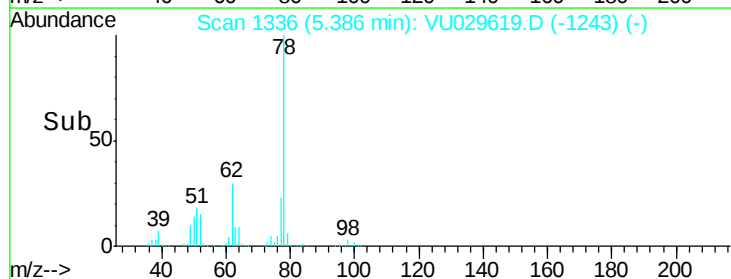
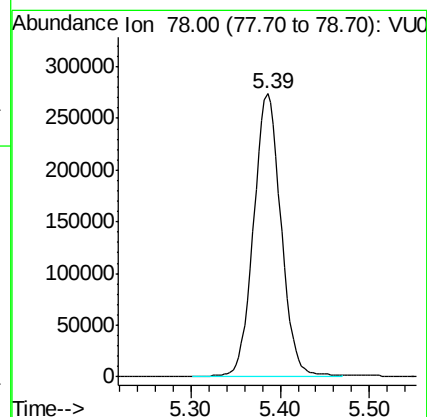
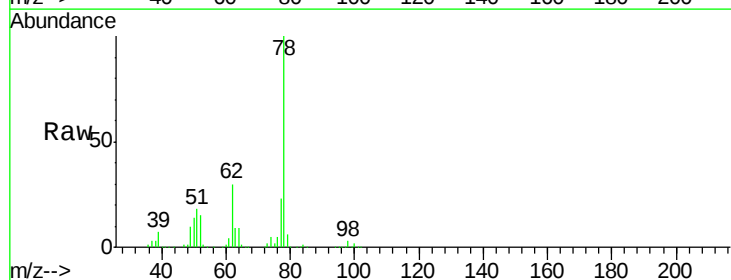
Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

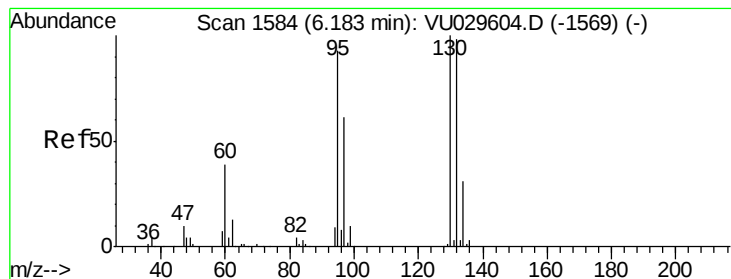
Tot Ion:117 Resp: 266940
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8



#33
Benzene
Concen: 48.476 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 78 Resp: 589622





#34

Trichloroethene

Concen: 85.490 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

DB5Y8

Tot Ion: 95 Resp: 280120

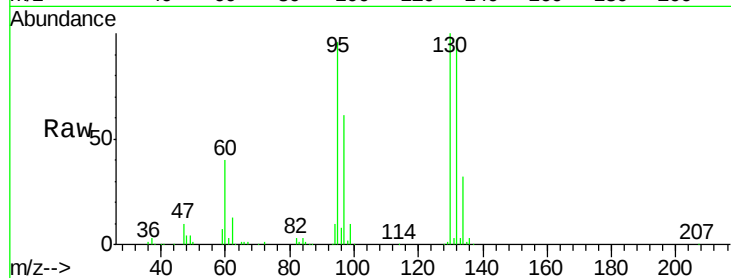
Ion Ratio Lower Upper

95 100

97 63.8 44.6 82.8

132 101.1 74.6 138.6

130 104.6 77.2 143.4

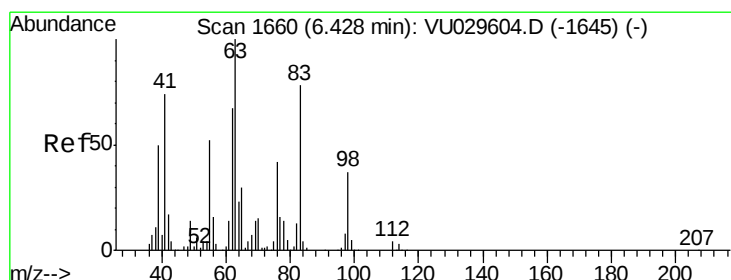
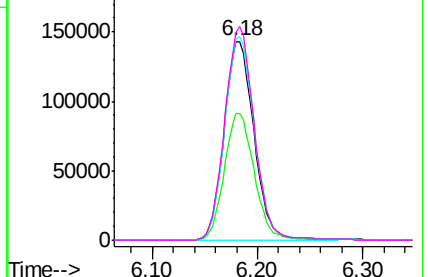
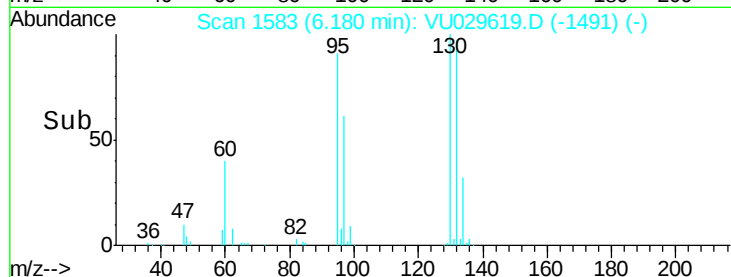


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 40.969 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029619.D

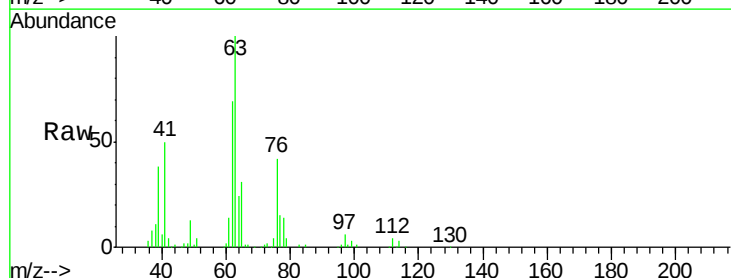
Acq: 22 Feb 2019 14:35

Tgt Ion: 63 Resp: 130809

Ion Ratio Lower Upper

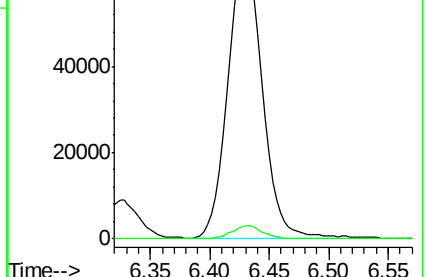
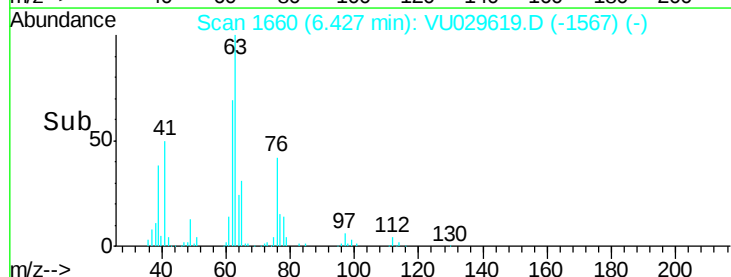
63 100

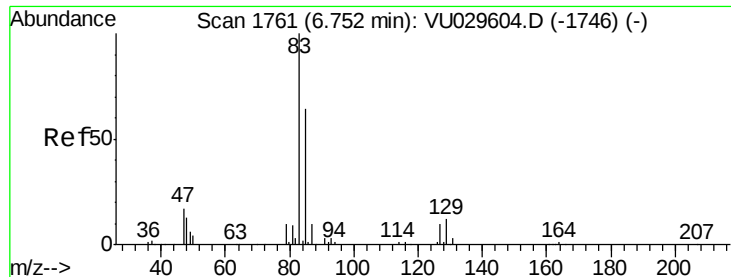
112 4.3 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

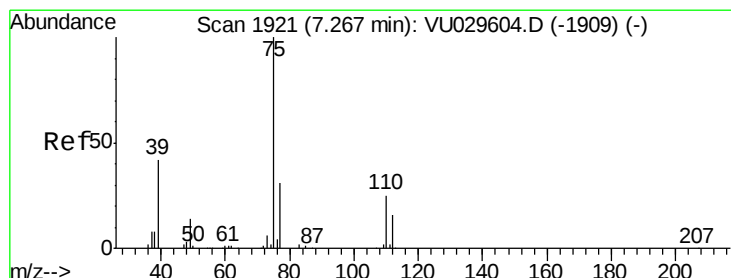
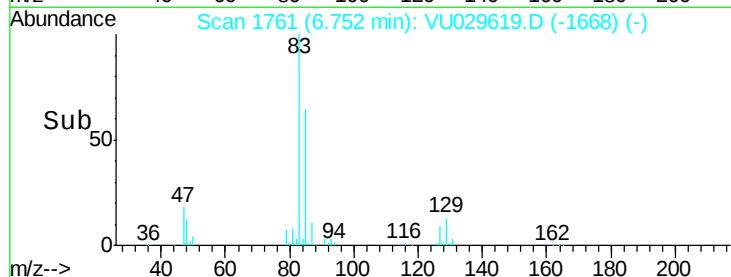
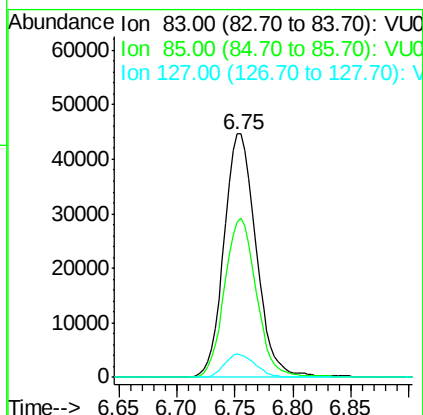
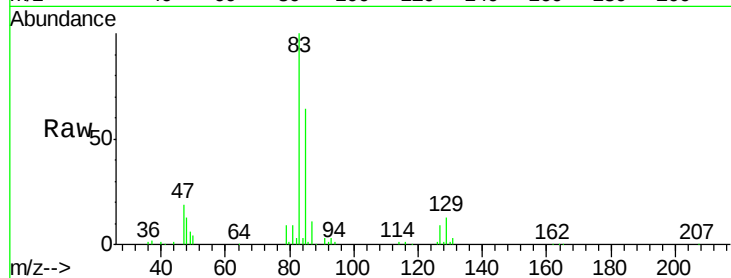




#38
 Bromodichloromethane
 Concen: 19.889 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029619.D
 Acq: 22 Feb 2019 14:35

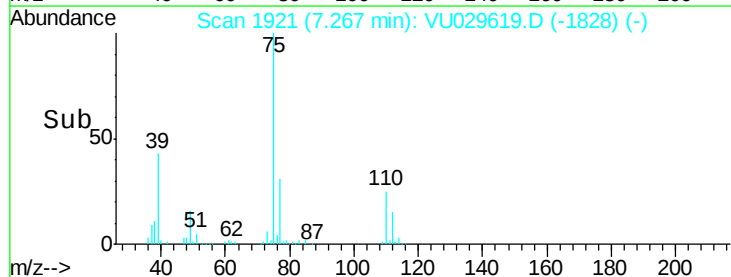
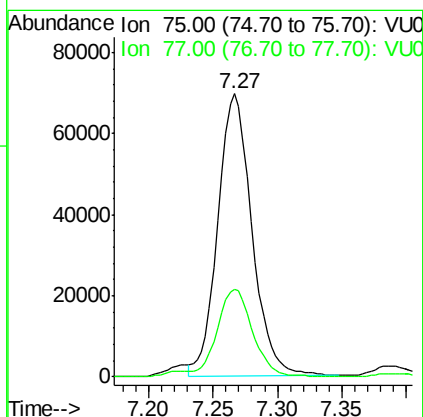
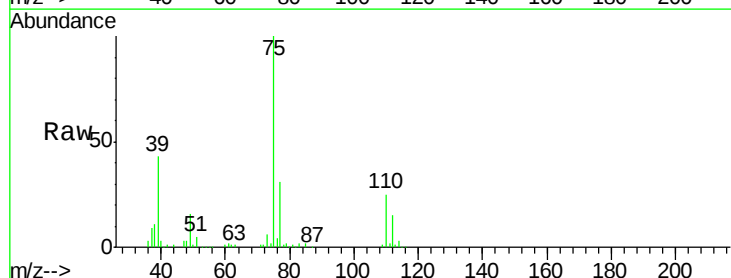
Instrument :
 MSVOA_U
 ClientSampleId :
 DB5Y8

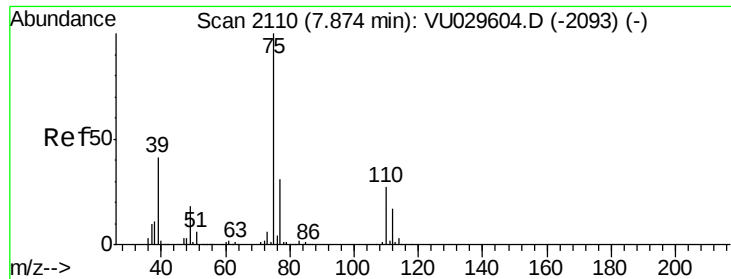
Tot Ion: 83 Resp: 85610
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.2 82.0
 127 9.4 8.3 12.5



#39
 cis-1,3-Dichloropropene
 Concen: 24.972 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029619.D
 Acq: 22 Feb 2019 14:35

Tgt Ion: 75 Resp: 128641
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5





#44

trans-1,3-Dichloropropene

Concen: 47.736 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

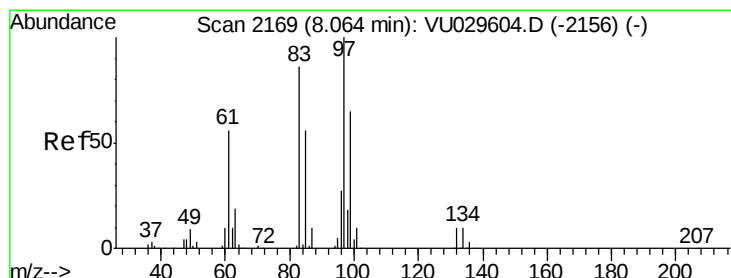
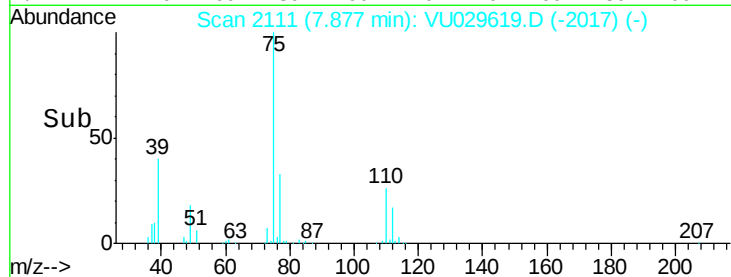
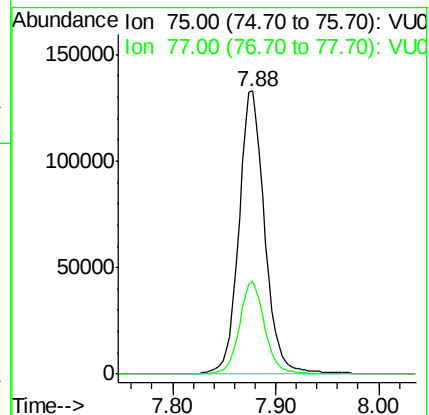
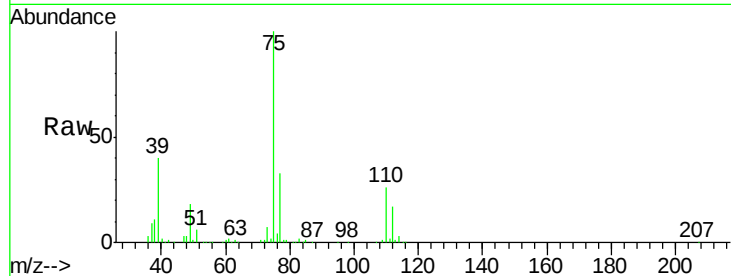
DB5Y8

Tot Ion: 75 Resp: 231755

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 25.663 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Tgt Ion: 97 Resp: 87336

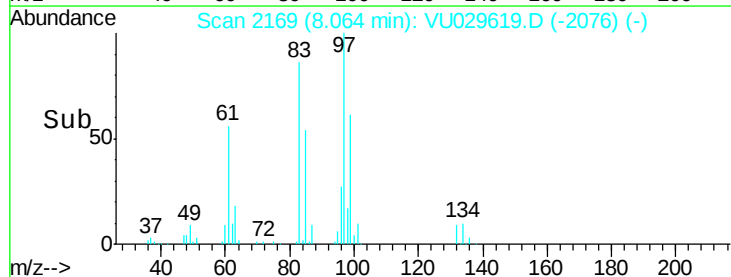
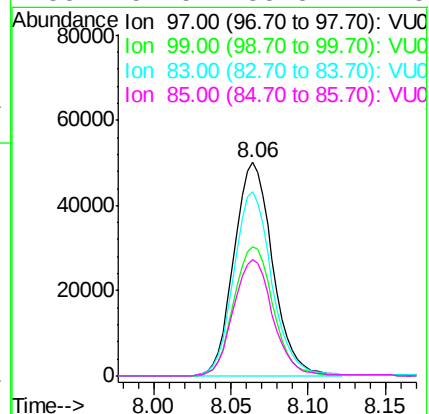
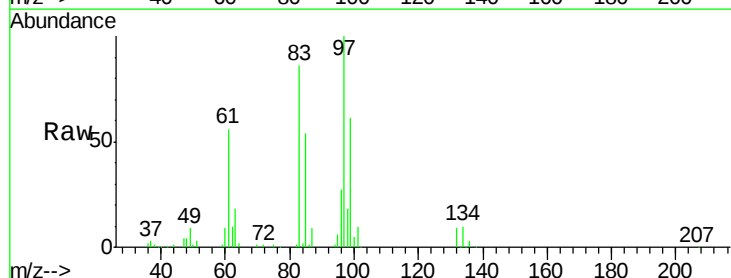
Ion Ratio Lower Upper

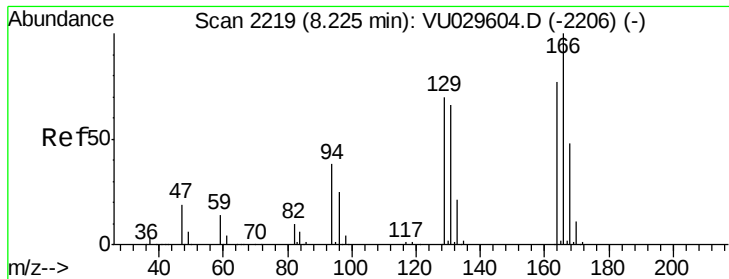
97 100

99 60.5 43.8 81.3

83 86.1 57.7 107.1

85 54.5 38.5 71.5

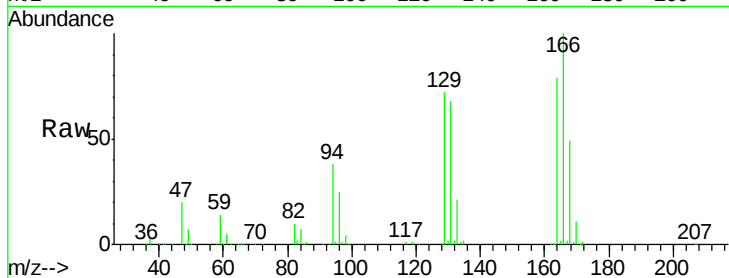




#46
Tetrachloroethene
Concen: 67.665 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tot Ion	Ratio	Lower	Upper
164	100		
129	91.0	62.1	115.3
131	86.5	60.1	111.5
166	127.0	89.7	166.5

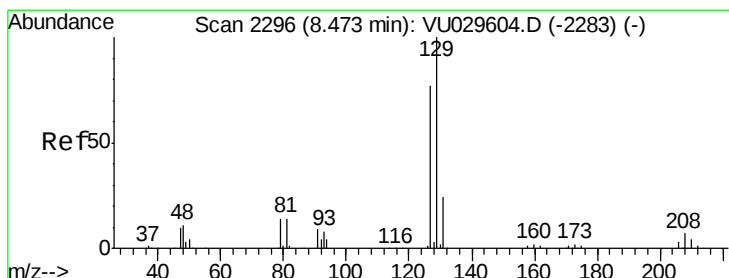
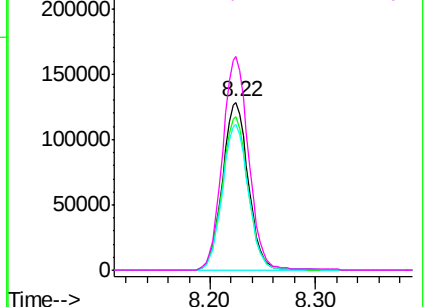
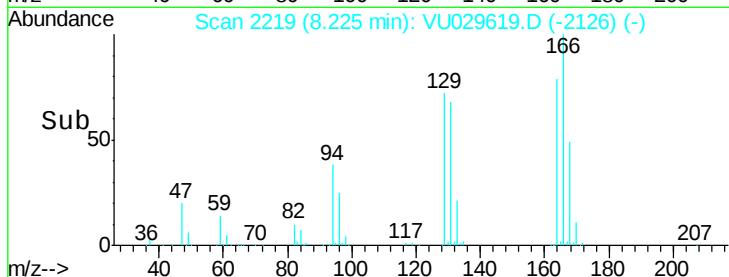


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

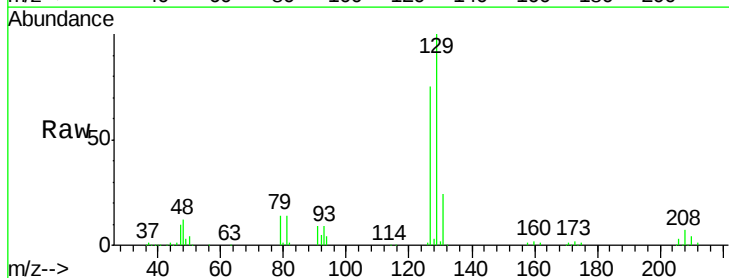
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



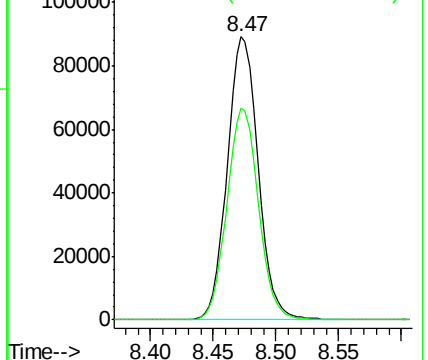
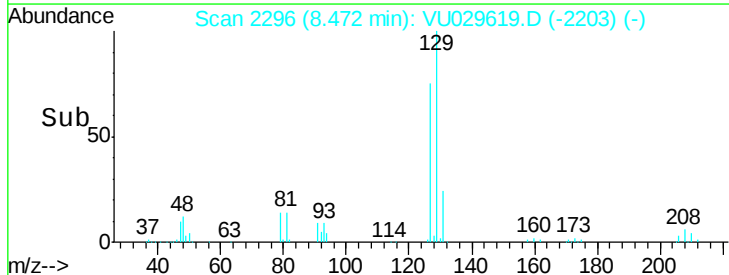
#49
Dibromochloromethane
Concen: 37.023 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

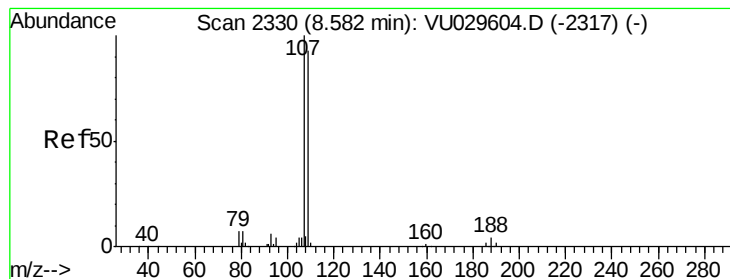
Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 30.312 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

DB5Y8

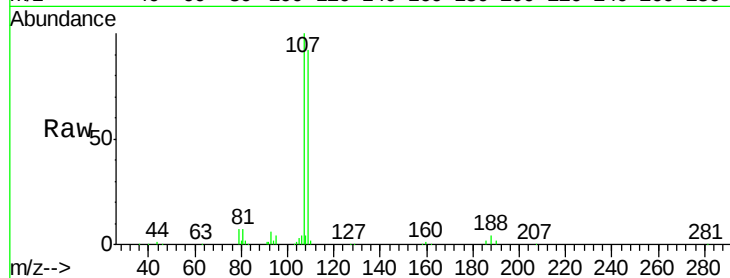
Tot Ion:107 Resp: 114293

Ion Ratio Lower Upper

107 100

109 92.1 66.4 123.4

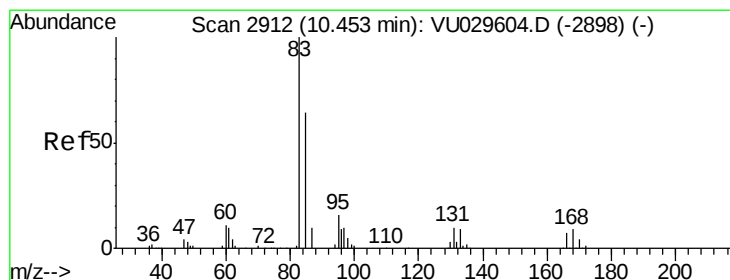
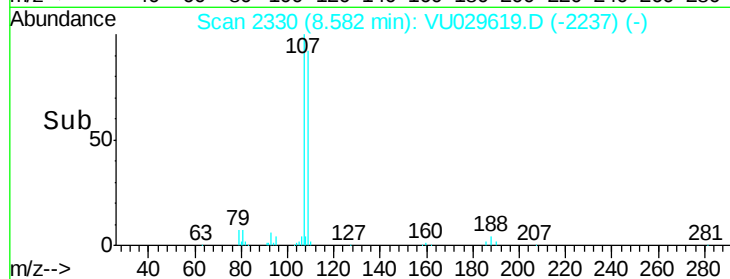
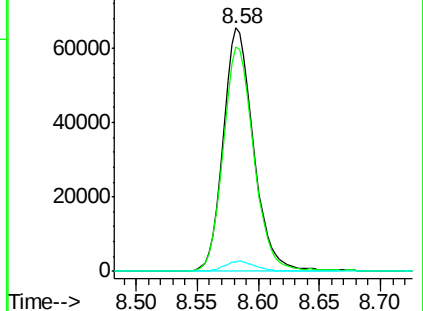
188 4.1 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 37.782 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029619.D

Acq: 22 Feb 2019 14:35

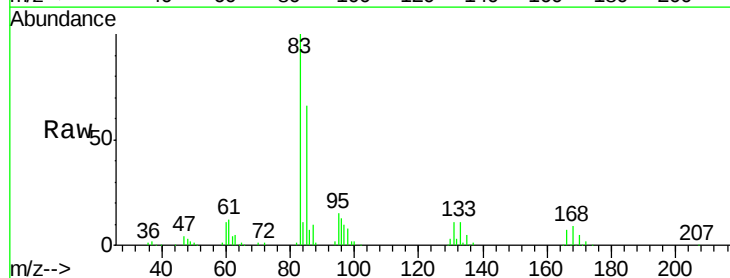
Tgt Ion: 83 Resp: 227374

Ion Ratio Lower Upper

83 100

85 66.5 45.5 84.5

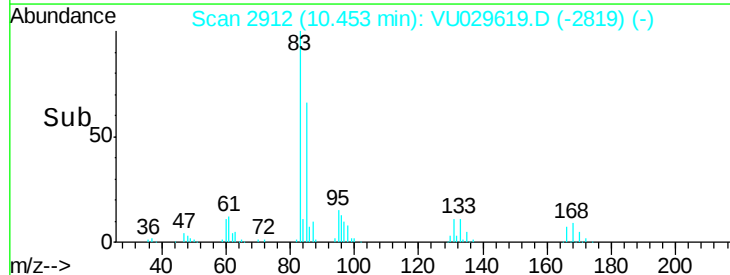
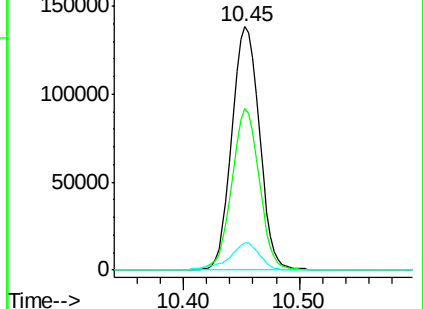
131 11.2 8.6 12.8

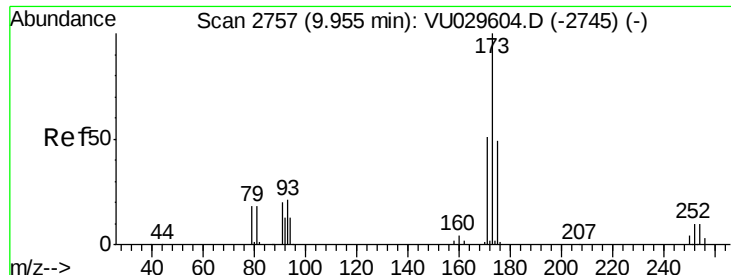


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

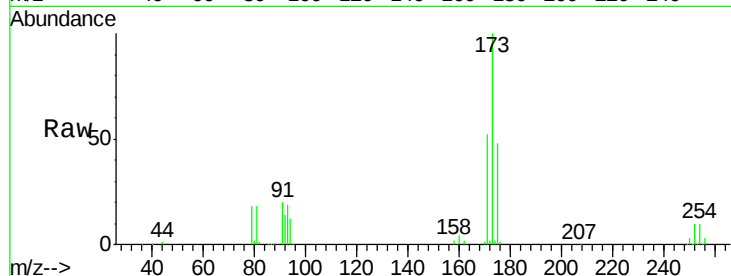




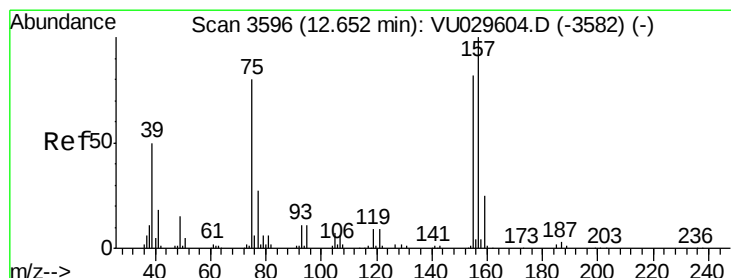
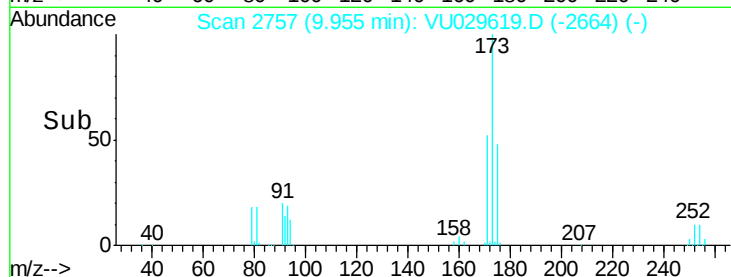
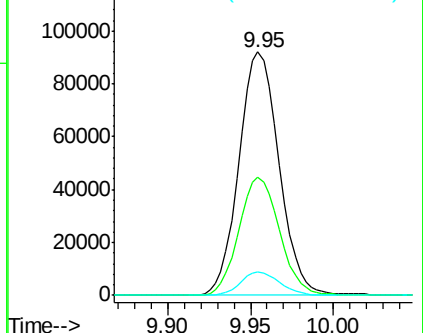
#61
Bromoform
Concen: 45.280 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tot Ion:173 Resp: 154864
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.4
254 9.4 8.1 12.1

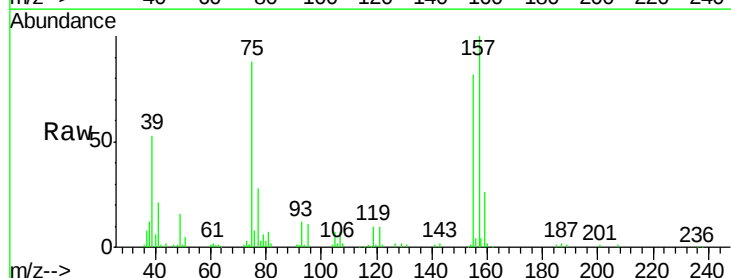


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#66
1,2-Dibromo-3-chloropropane
Concen: 38.162 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 75 Resp: 50196
Ion Ratio Lower Upper
75 100
155 93.6 79.5 119.3
157 114.1 103.4 155.0



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V

