

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008771.D
 Acq On : 29 Nov 2018 18:21
 Operator : SY/MD
 Sample : J6076-10
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YALT4

Quant Time: Nov 30 05:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	145885	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132223	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58597	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49786	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.59	69	34216	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.14	63	67489	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.96	46	112770	49.89	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	4.41	84	98470	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.09	65	48503	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	206873	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.12	67	59944	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	182647	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.67	79	19082	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.14	63	85237	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36919	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	62816	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	26809	2.077 ug/L	98
8) Chloroethane	1.32	64	728	0.132 ug/L #	1
9) Trichlorofluoromethane	1.77	101	8461	0.589 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	793	0.097 ug/L #	18
13) Acetone	2.21	43	2298	2.040 ug/L	90
27) 1,2-Dichloroethane	5.10	62	1237	0.113 ug/L #	74
31) Carbon tetrachloride	4.88	117	1239	0.093 ug/L	94
34) Trichloroethene	5.96	95	7360	0.668 ug/L	96
35) Methylcyclohexane	6.12	83	14653	0.838 ug/L #	24
37) 1,2-Dichloropropane	6.12	63	6905	0.701 ug/L #	87
44) trans-1,3-Dichloropropene	7.67	75	859	0.084 ug/L #	47
45) 1,1,2-Trichloroethane	8.02	97	1119	0.171 ug/L #	1
47) Tetrachloroethene	8.02	164	140327	16.459 ug/L	99
48) 2-Hexanone	8.14	43	9685	2.704 ug/L #	80
49) Dibromochloromethane	8.02	129	130586	18.341 ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration

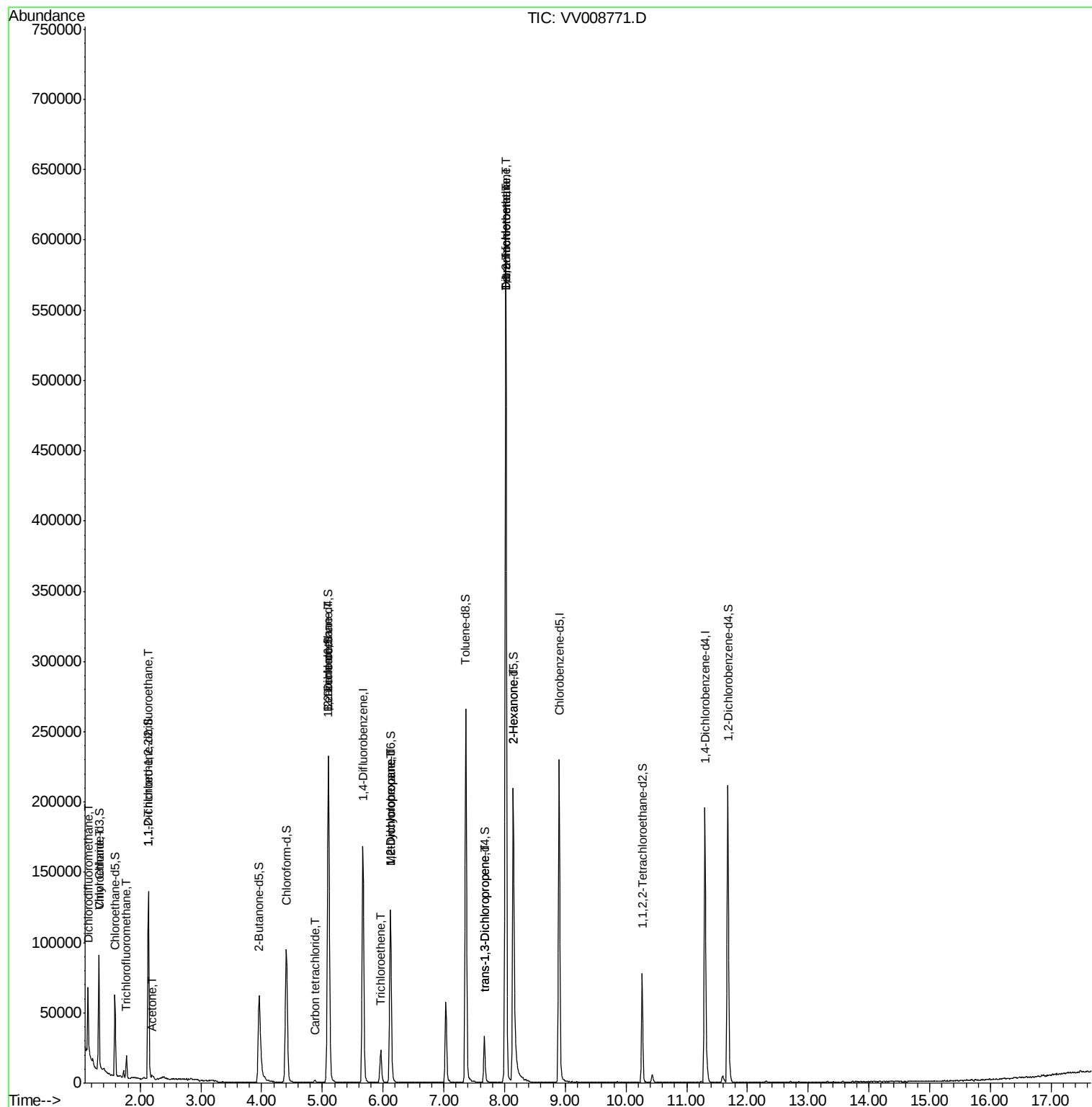
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

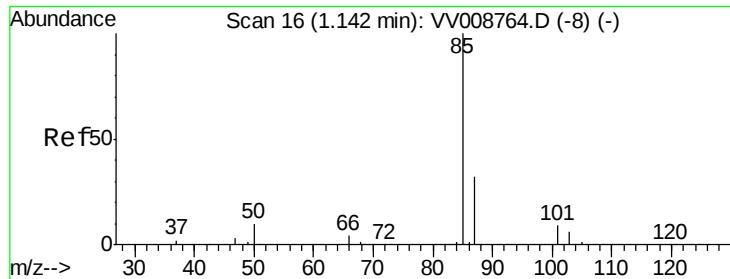
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
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QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.077 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Instrument :

MSVOA_V

ClientSampleId :

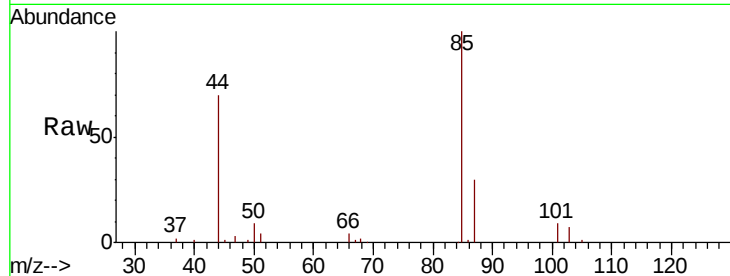
YALT4

Tgt Ion: 85 Resp: 26809

Ion Ratio Lower Upper

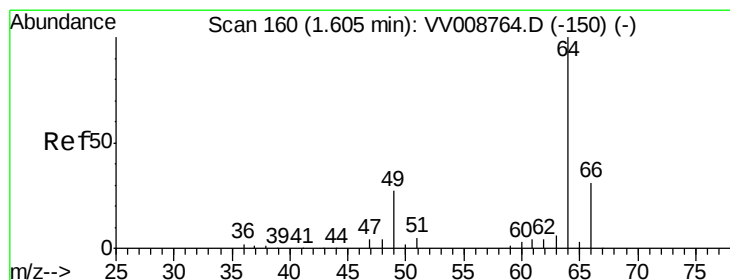
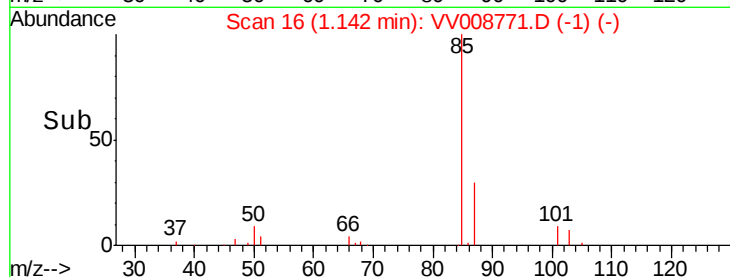
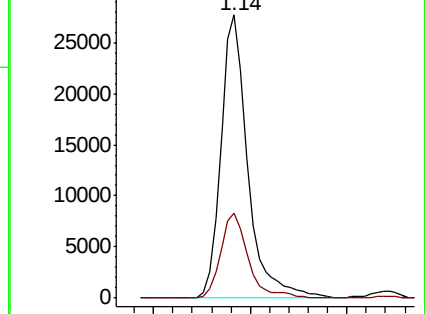
85 100

87 30.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV008764.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008771.D (-67) (-)



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008771.D

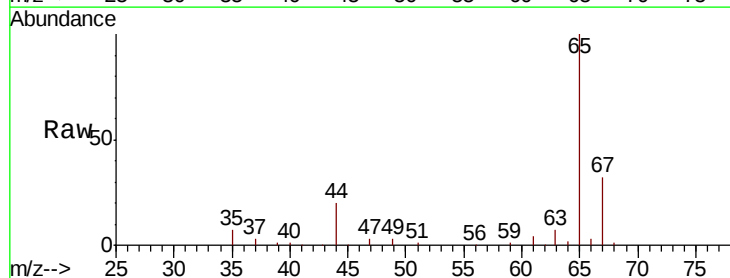
Acq: 29 Nov 2018 18:21

Tgt Ion: 64 Resp: 728

Ion Ratio Lower Upper

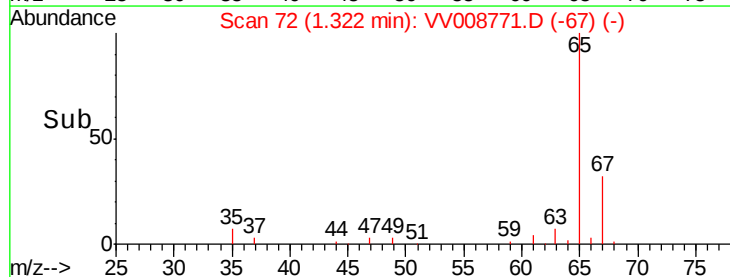
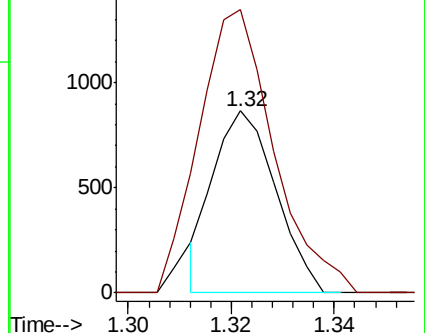
64 100

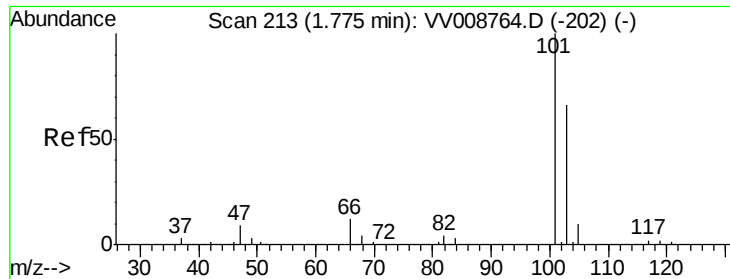
66 155.4 21.8 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VV008764.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008771.D (-67) (-)



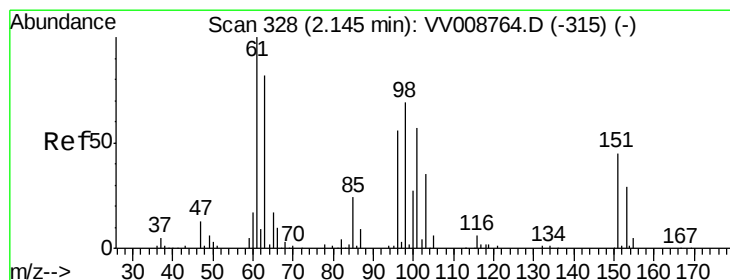
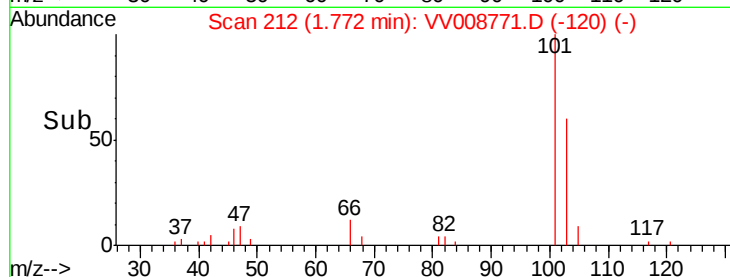
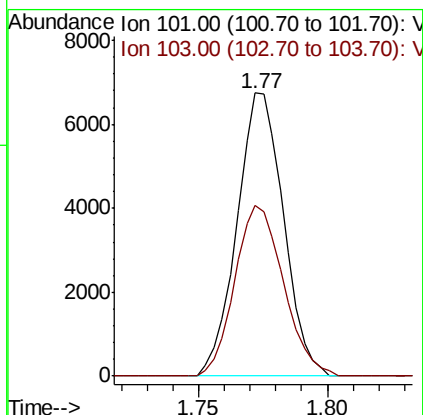
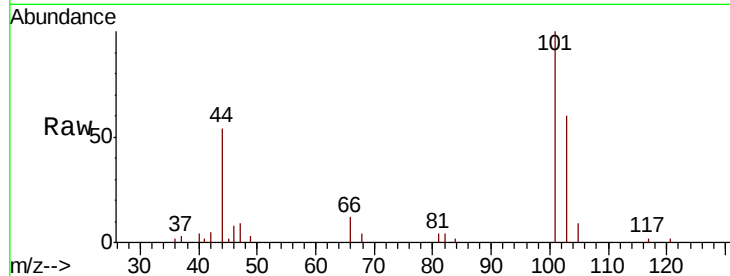


#9

Trichlorofluoromethane
Concen: 0.589 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008771.D
Acq: 29 Nov 2018 18:21

Instrument :
MSVOA_V
ClientSampleId :
YALT4

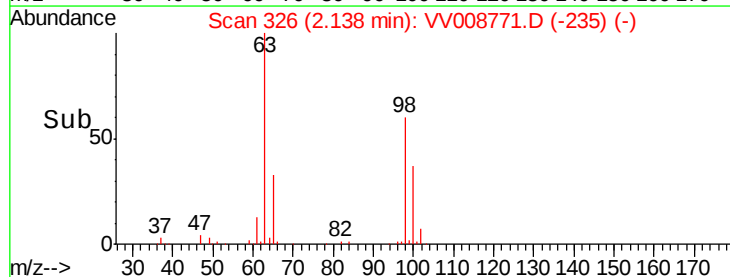
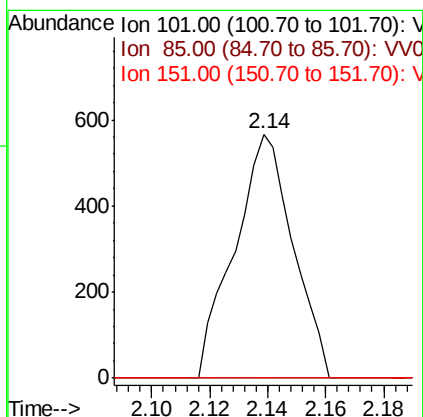
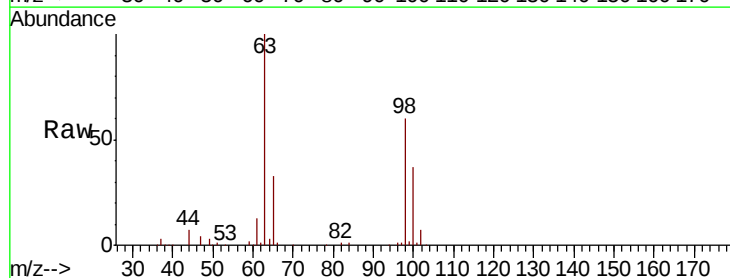
Tgt Ion:101 Resp: 8461
Ion Ratio Lower Upper
101 100
103 63.1 52.6 79.0

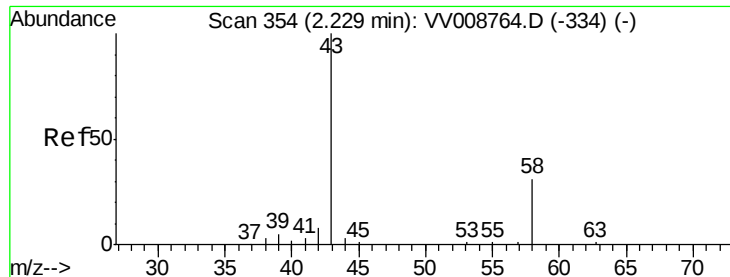


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.097 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VV008771.D
Acq: 29 Nov 2018 18:21

Tgt Ion:101 Resp: 793
Ion Ratio Lower Upper
101 100
85 0.0 33.1 49.7#
151 0.0 63.8 95.8#





#13

Acetone

Concen: 2.040 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.02 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Instrument :

MSVOA_V

ClientSampleId :

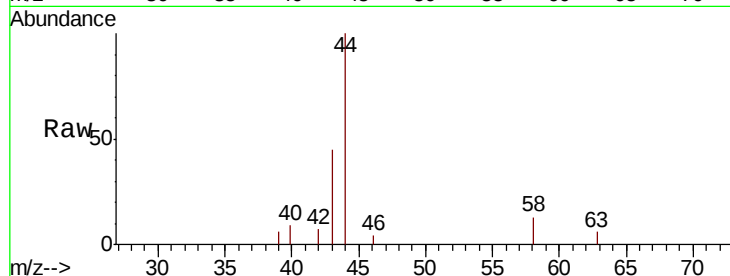
YALT4

Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

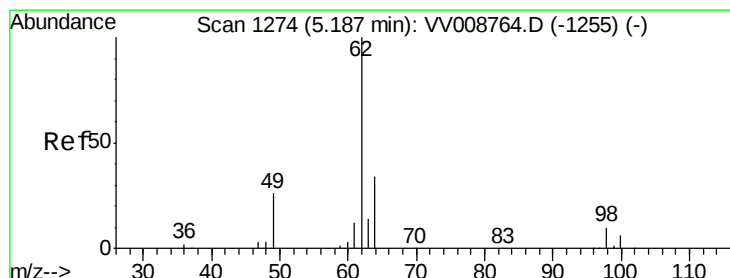
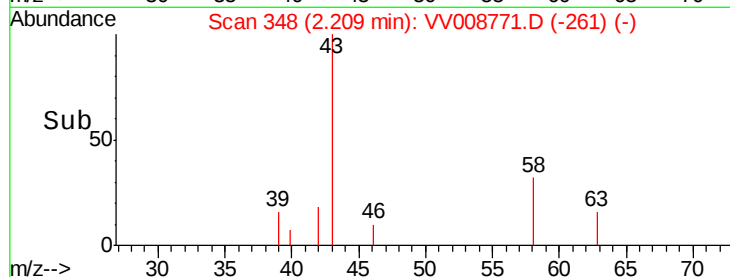
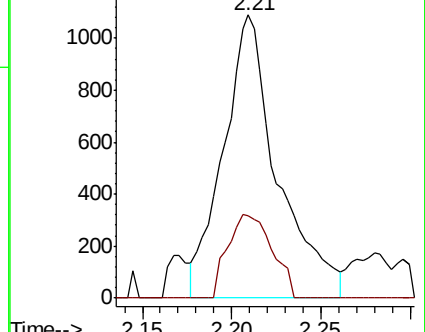
43 100

58 24.2 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008764.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008764.D (-334) (-)



#27

1,2-Dichloroethane

Concen: 0.113 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.09 min

Lab File: VV008771.D

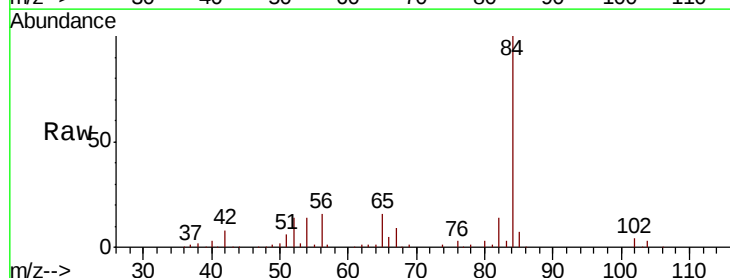
Acq: 29 Nov 2018 18:21

Tgt Ion: 62 Resp: 1237

Ion Ratio Lower Upper

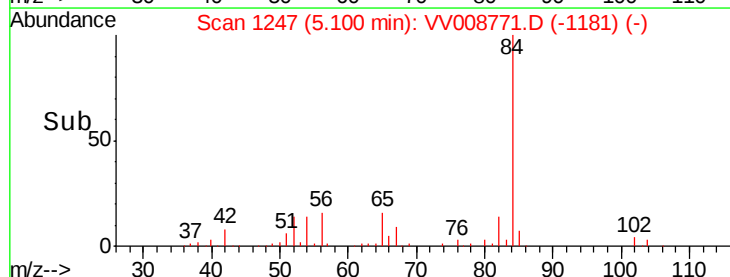
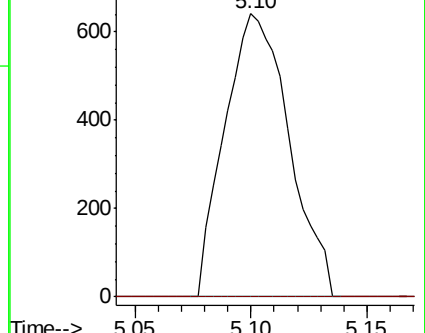
62 100

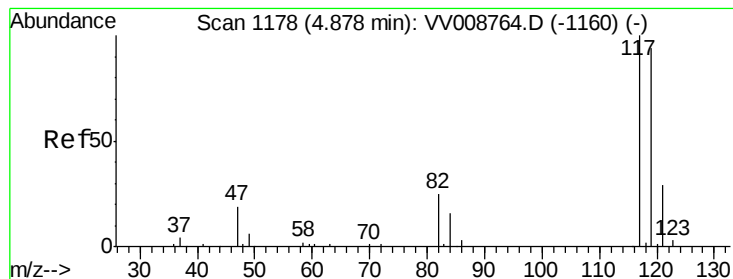
98 0.0 7.7 11.5#



Abundance Ion 62.00 (61.70 to 62.70): VV008764.D (-1255) (-)

Ion 98.05 (97.75 to 98.75): VV008764.D (-1255) (-)





#31

Carbon tetrachloride

Concen: 0.093 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Instrument :

MSVOA_V

ClientSampleId :

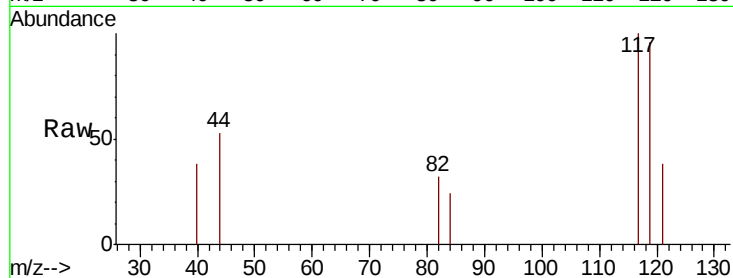
YALT4

Tgt Ion: 117 Resp: 1239

Ion Ratio Lower Upper

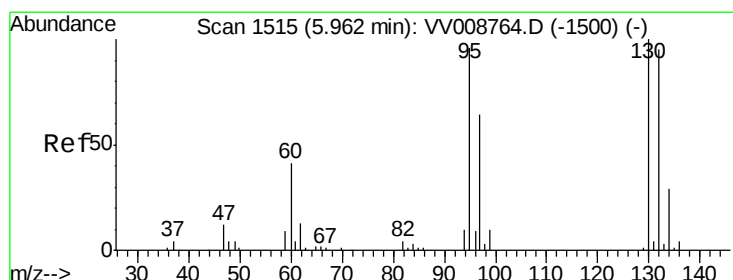
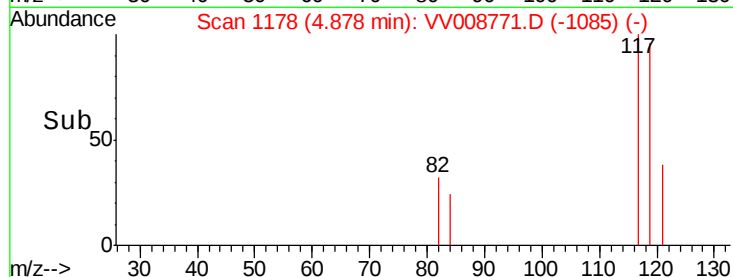
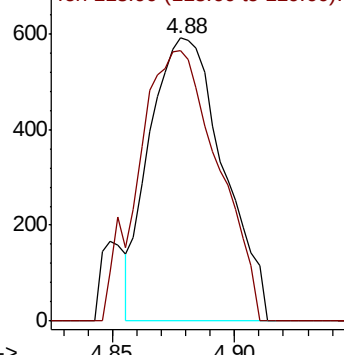
117 100

119 103.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.668 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Tgt Ion: 95 Resp: 7360

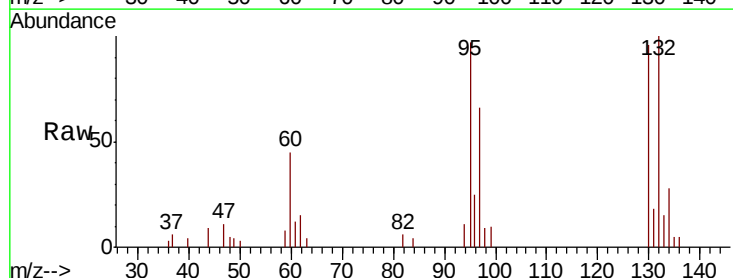
Ion Ratio Lower Upper

95 100

97 68.5 46.5 86.3

132 103.2 69.4 128.8

130 98.5 73.1 135.8

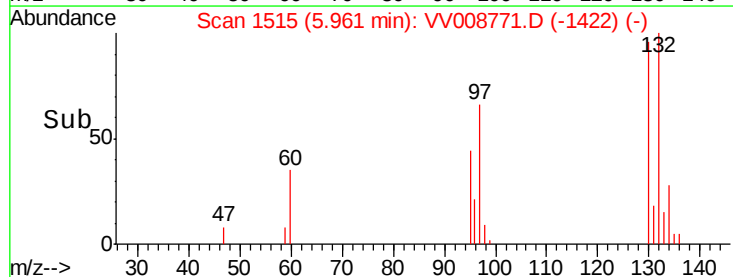
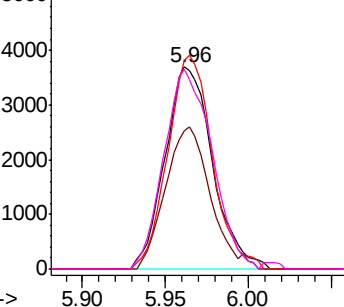


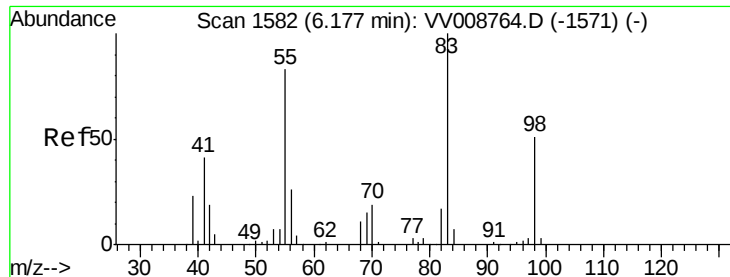
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

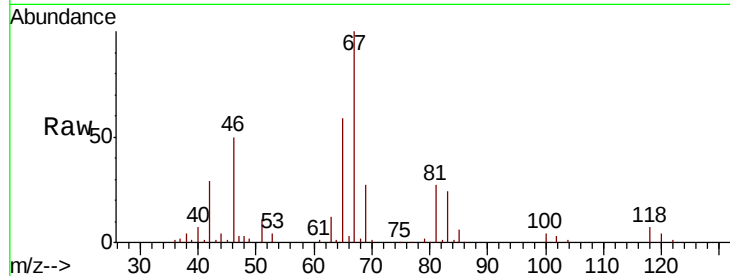




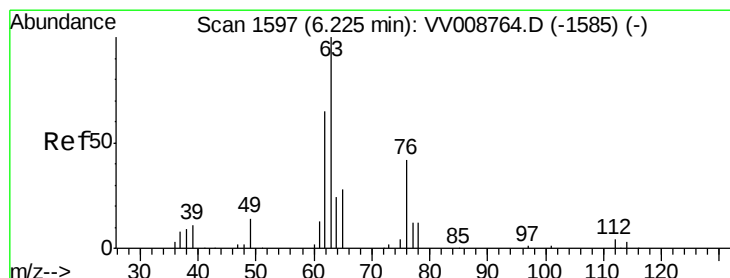
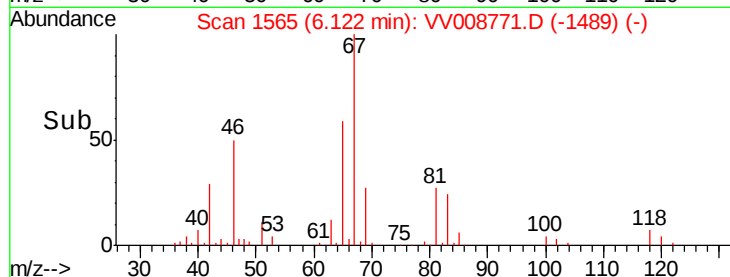
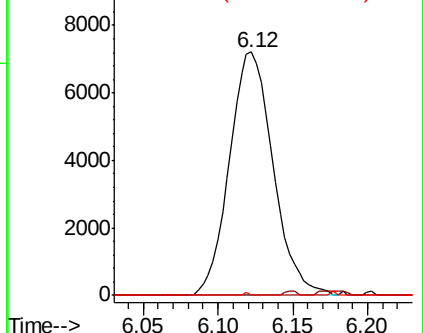
#35
Methylcyclohexane
Concen: 0.838 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008771.D
Acq: 29 Nov 2018 18:21

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YALT4

Tgt Ion: 83 Resp: 14653
Ion Ratio Lower Upper
83 100
55 0.5 60.1 90.1#
98 7.8 37.4 56.2#

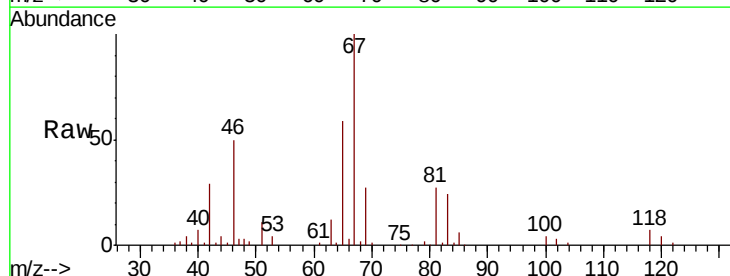


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

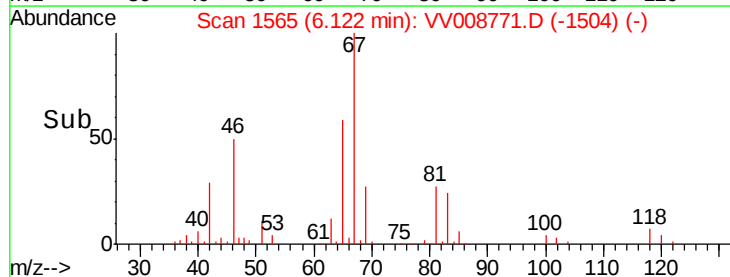
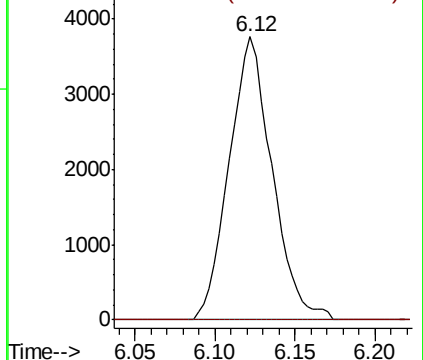


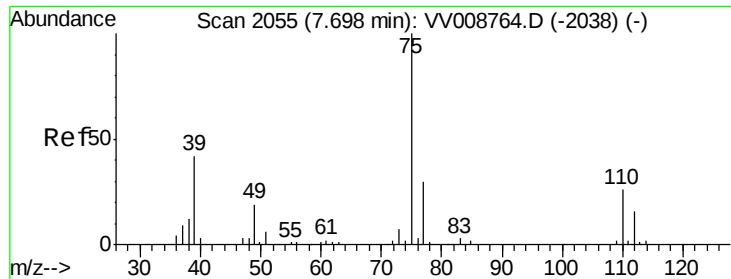
#37
1,2-Dichloropropane
Concen: 0.701 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008771.D
Acq: 29 Nov 2018 18:21

Tgt Ion: 63 Resp: 6905
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.03 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Instrument :

MSVOA_V

ClientSampleId :

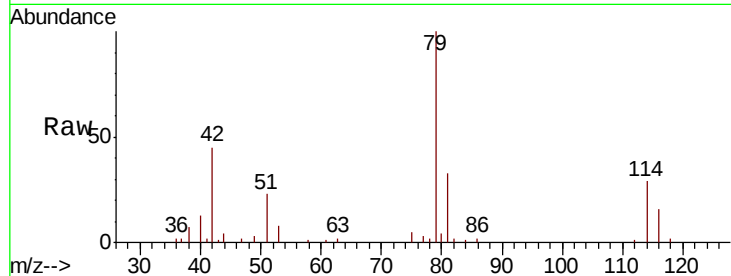
YALT4

Tgt Ion: 75 Resp: 859

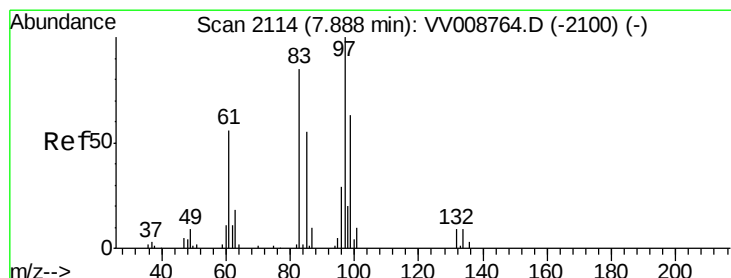
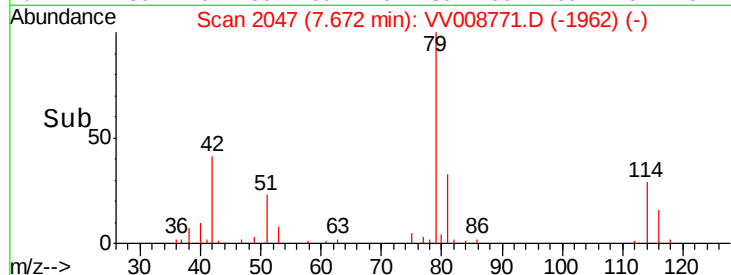
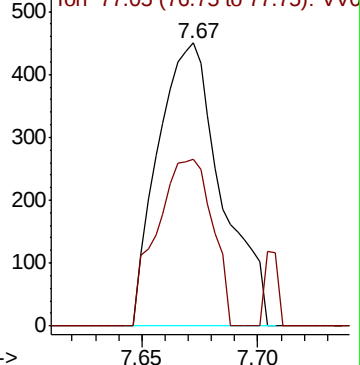
Ion Ratio Lower Upper

75 100

77 59.1 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV008764.D (-2038) (-)



#45

1,1,2-Trichloroethane

Concen: 0.171 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Tgt Ion: 97 Resp: 1119

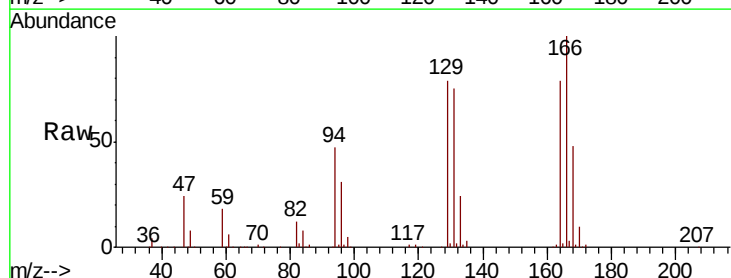
Ion Ratio Lower Upper

97 100

99 25.9 44.2 82.2#

83 271.1 59.6 110.6#

85 33.4 38.8 72.0#

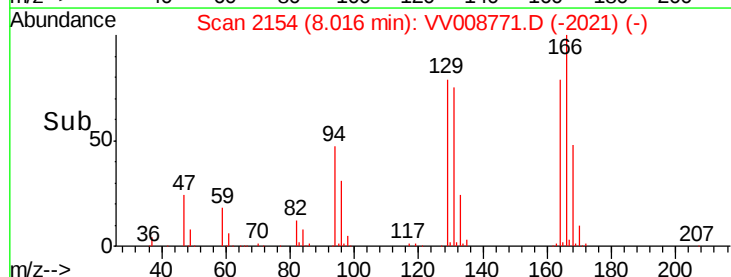
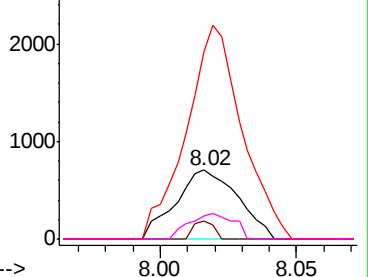


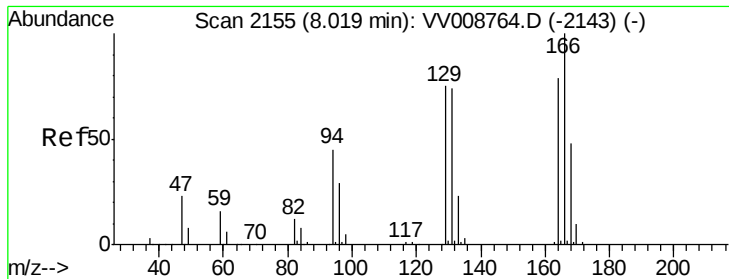
Abundance Ion 96.95 (96.65 to 97.65): VV008764.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV008764.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV008764.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV008764.D (-2100) (-)





#47

Tetrachloroethene

Concen: 16.459 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Instrument :
MSVOA_V
ClientSampleId :
YALT4

Tgt Ion:164 Resp: 140327

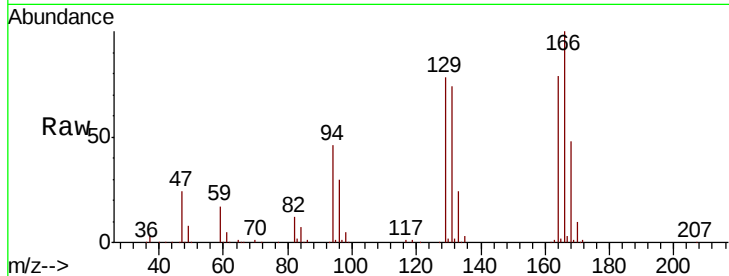
Ion Ratio Lower Upper

164 100

129 99.4 67.5 125.3

131 94.3 65.9 122.5

166 126.8 89.2 165.6

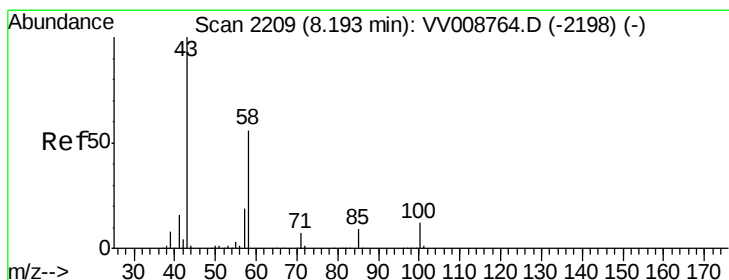
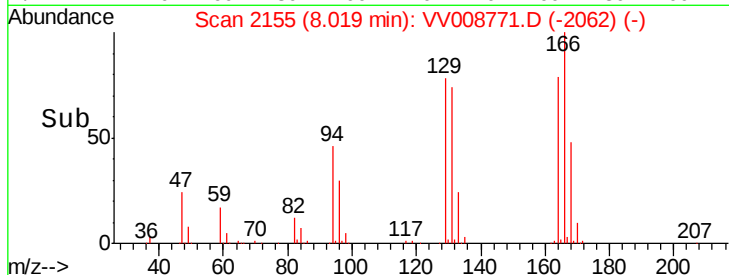
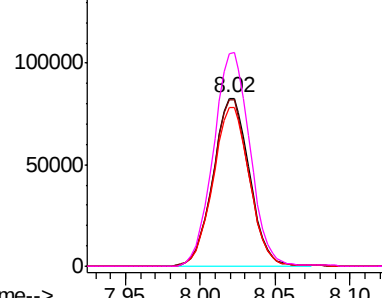


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.704 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV008771.D

Acq: 29 Nov 2018 18:21

Tgt Ion: 43 Resp: 9685

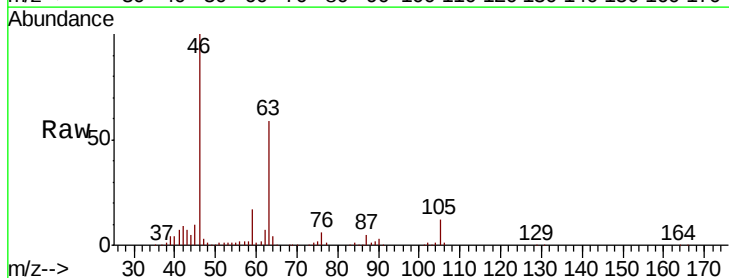
Ion Ratio Lower Upper

43 100

58 40.9 44.5 66.7#

57 24.6 15.2 22.8#

100 0.0 9.6 14.4#

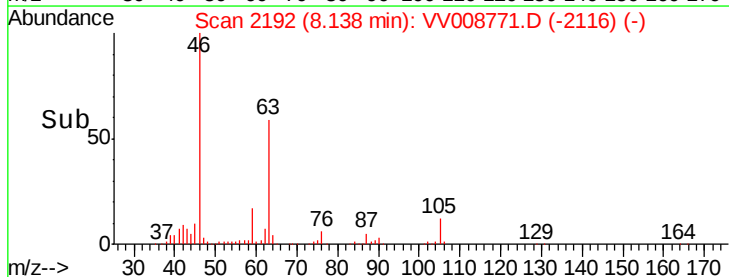
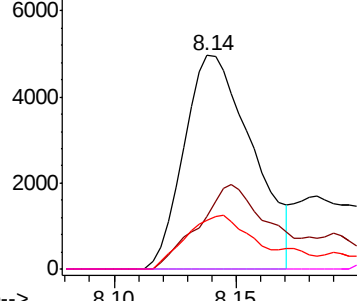


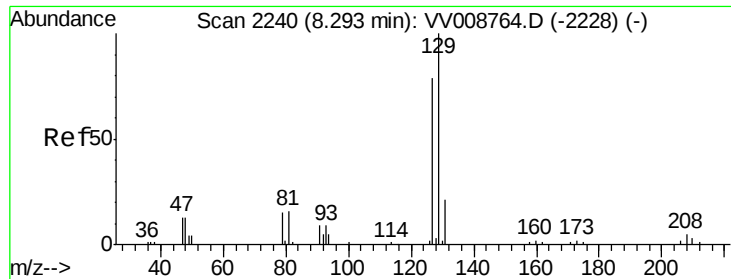
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49
 Dibromochloromethane
 Concen: 18.341 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV008771.D
 Acq: 29 Nov 2018 18:21

Instrument :
 MSVOA_V
 ClientSampleId :
 YALT4

Tgt Ion:129 Resp: 130586
 Ion Ratio Lower Upper
 129 100
 127 0.2 55.3 102.7#

