

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112018\
 Data File : VD060427.D
 Acq On : 20 Nov 2018 14:21
 Operator : JC/SY
 Sample : J6003-14
 Misc : 5.76g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NON-UST-04

Quant Time: Nov 20 15:30:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1213612	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1715078	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1225077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	492100	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	378328	43.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.08%	
35) Dibromofluoromethane	6.33	113	552656	43.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.42%	
50) Toluene-d8	9.46	98	1405553	37.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.10%	
62) 4-Bromofluorobenzene	12.44	95	475514	35.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.12%	

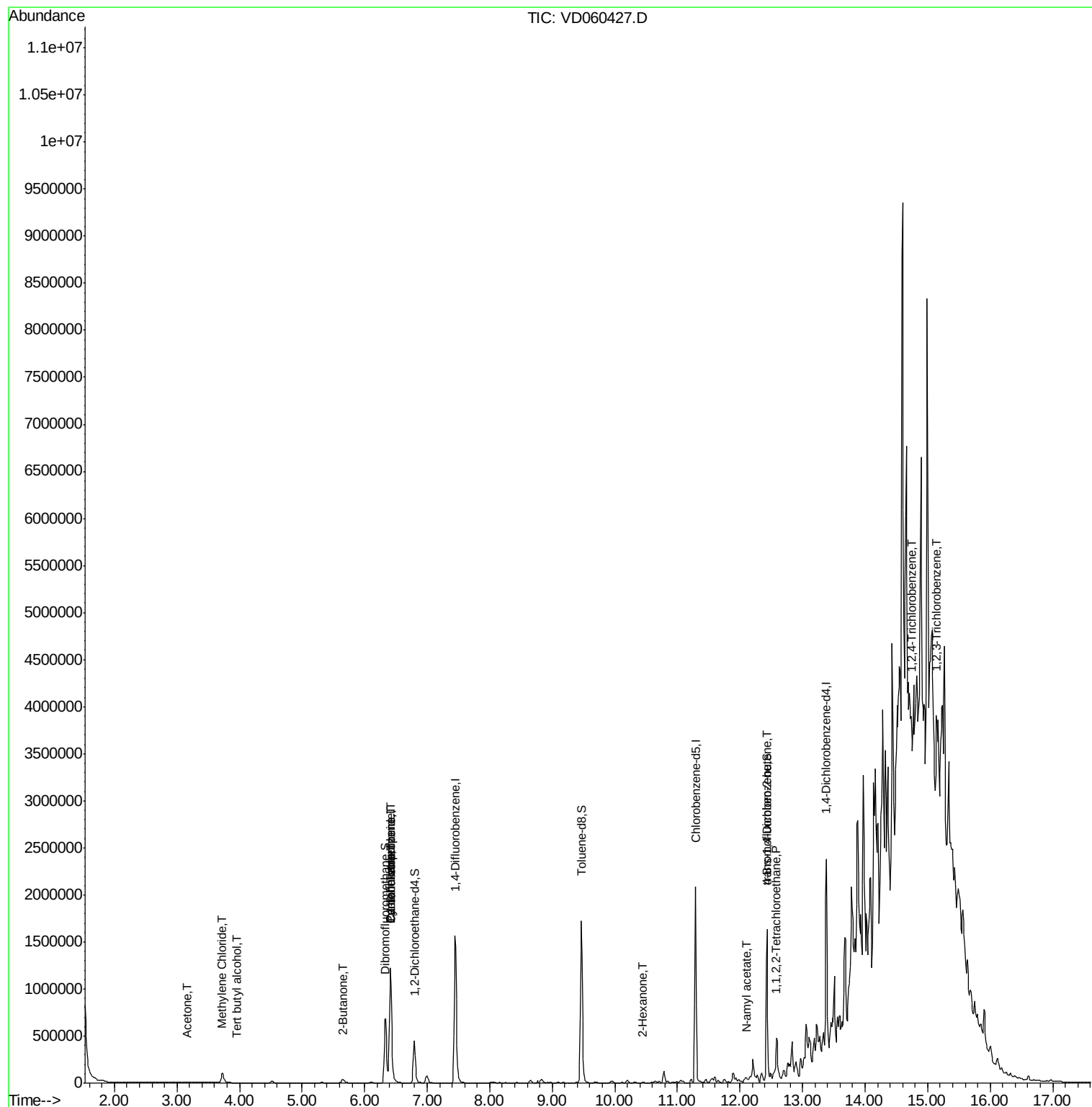
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	2802	Below Cal		85
11) Tert butyl alcohol	3.96	59	2174	6.09 ug/l	#	70
16) Acetone	3.17	43	8921	5.92 ug/l	#	55
20) Methylene Chloride	3.73	84	67026	5.01 ug/l		97
25) 2-Butanone	5.65	43	6567	2.10 ug/l	#	60
31) Cyclohexane	6.41	56	24512	1.18 ug/l	#	1
36) 1,1-Dichloropropene	6.41	75	84464	4.98 ug/l	#	47
38) Carbon Tetrachloride	6.41	117	96057	6.11 ug/l	#	16
59) 2-Hexanone	10.45	43	7353	1.62 ug/l	#	31
74) N-amyl acetate	12.09	43	16974	1.85 ug/l	#	49
75) 1,1,2,2-Tetrachloroethane	12.58	83	33411	5.70 ug/l	#	49
81) trans-1,4-Dichloro-2-buten	12.44	75	186989	111.57 ug/l	#	16
89) n-Butylbenzene	13.66	91	30870	Below Cal		79
93) 1,2,4-Trichlorobenzene	14.75	180	20455	1.85 ug/l		83
96) 1,2,3-Trichlorobenzene	15.14	180	13731	1.55 ug/l	#	54

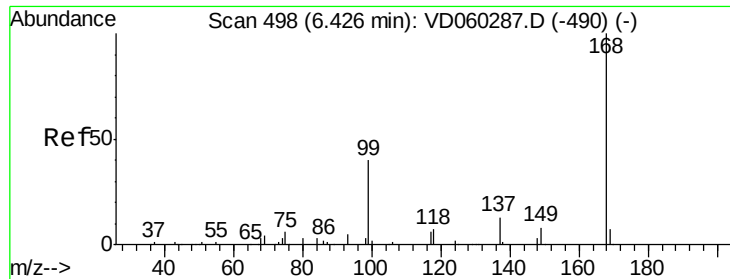
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

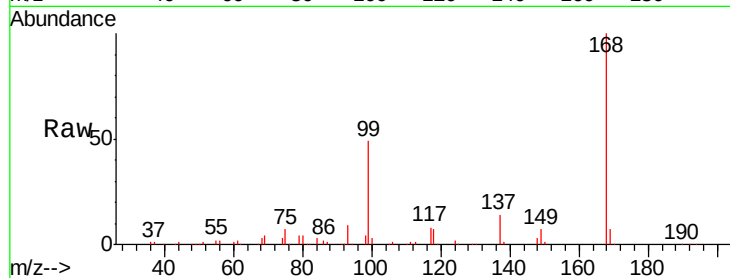
NON-UST-04

Tgt Ion:168 Resp: 1213612

Ion Ratio Lower Upper

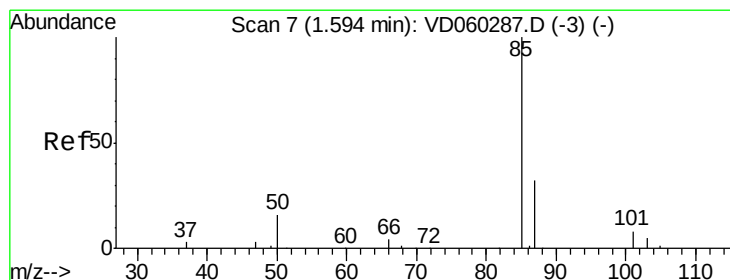
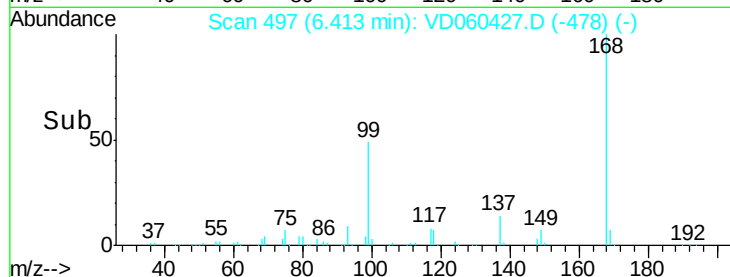
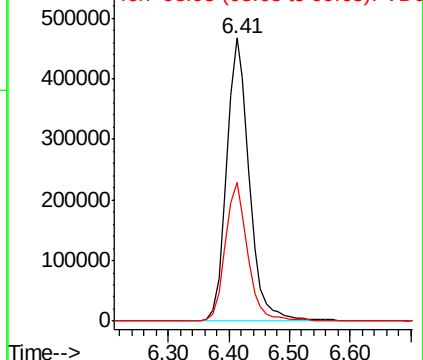
168 100

99 49.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060427.D

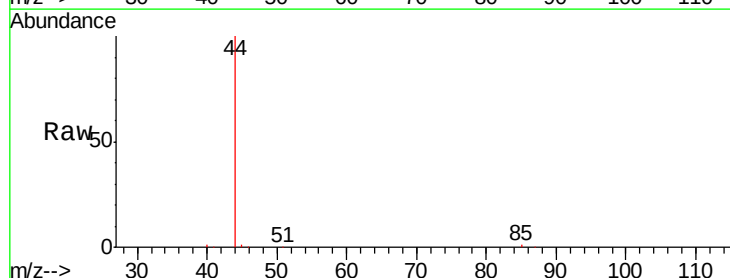
Acq: 20 Nov 2018 14:21

Tgt Ion: 85 Resp: 2802

Ion Ratio Lower Upper

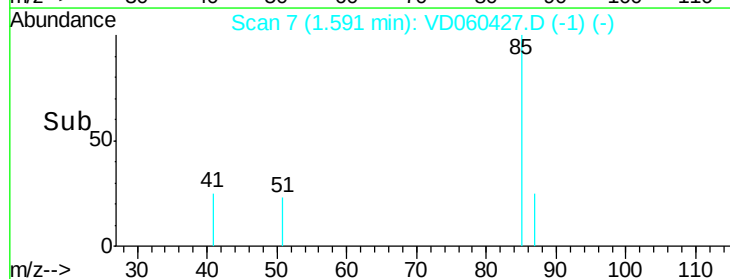
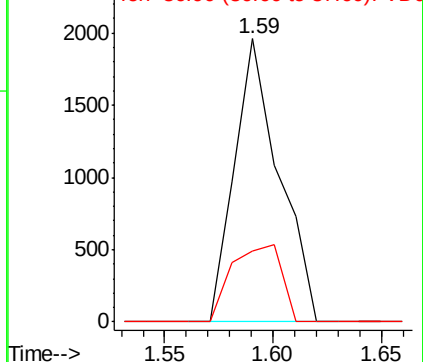
85 100

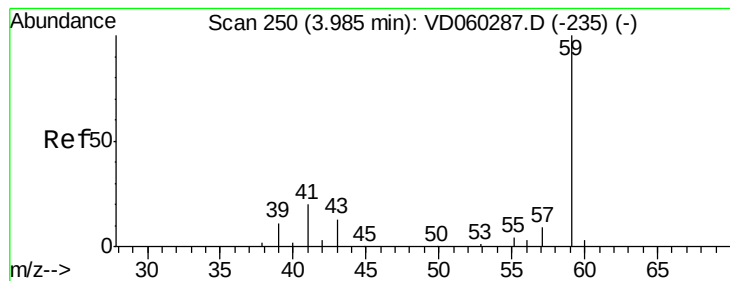
87 24.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#11

Tert butyl alcohol

Concen: 6.09 ug/l

RT: 3.96 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

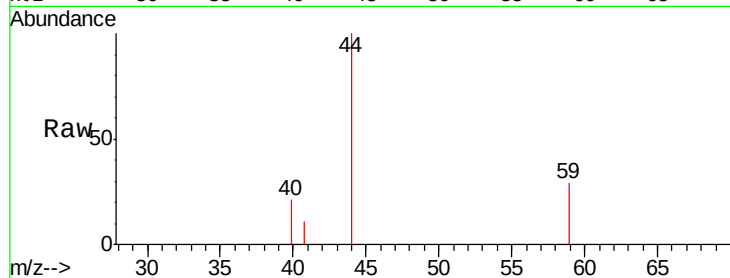
NON-UST-04

Tgt Ion: 59 Resp: 2174

Ion Ratio Lower Upper

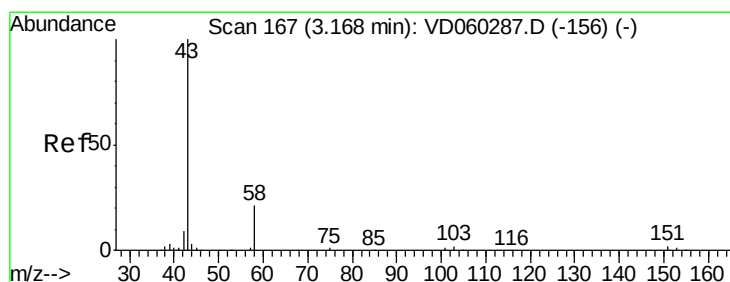
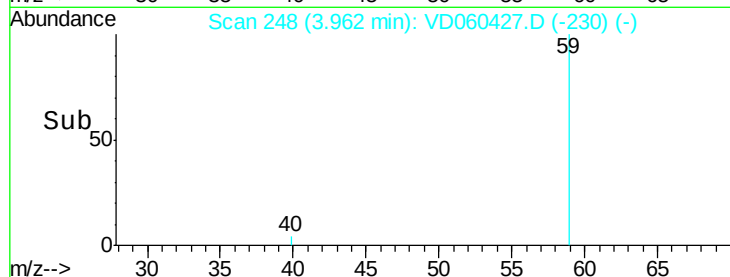
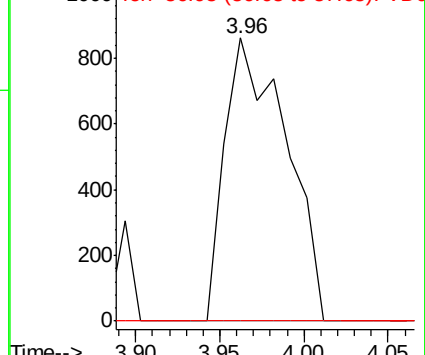
59 100

57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 5.92 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060427.D

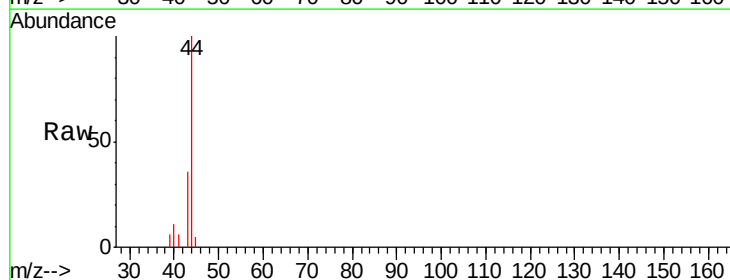
Acq: 20 Nov 2018 14:21

Tgt Ion: 43 Resp: 8921

Ion Ratio Lower Upper

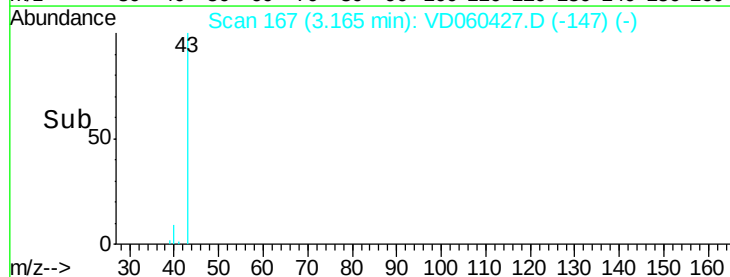
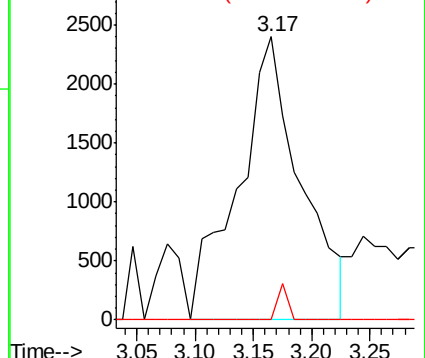
43 100

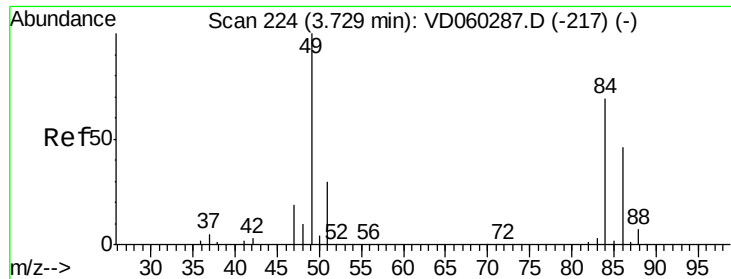
58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

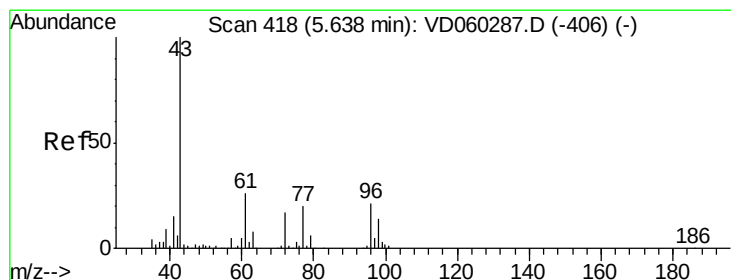
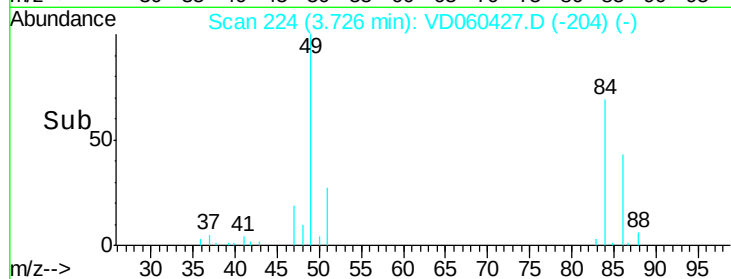
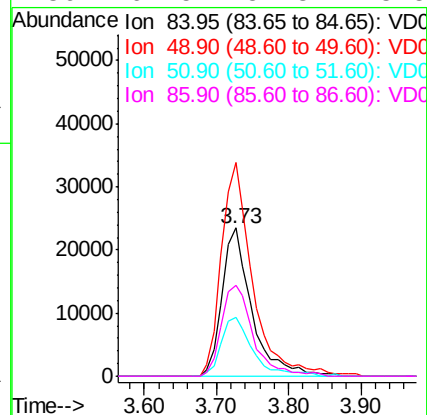
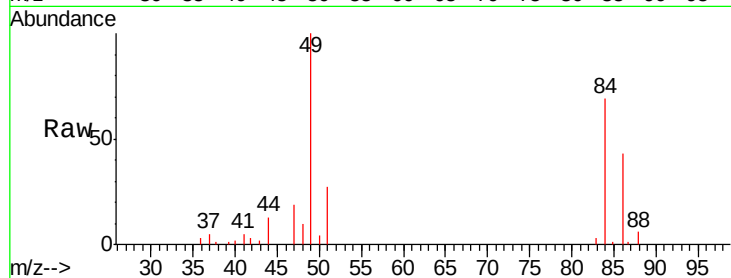




#20
Methylene Chloride
Concen: 5.01 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

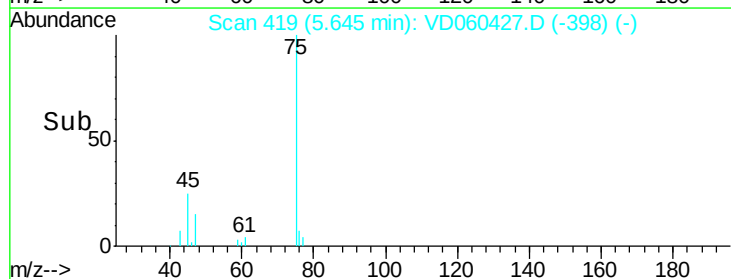
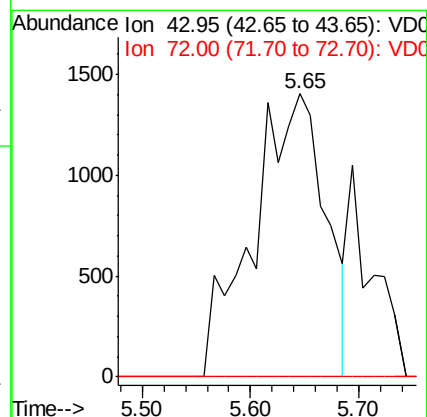
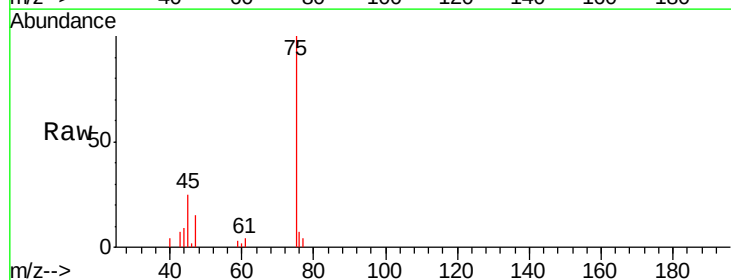
Instrument :
MSVOA_D
ClientSampleId :
NON-UST-04

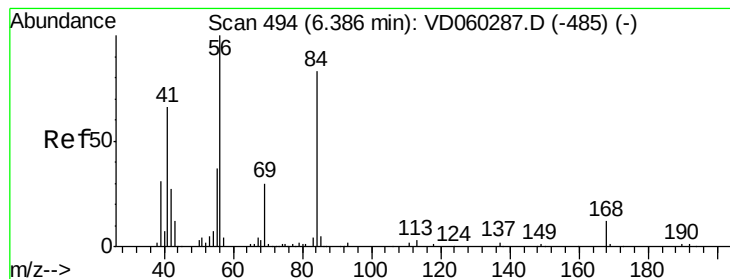
Tgt Ion: 84 Resp: 67026
Ion Ratio Lower Upper
84 100
49 144.0 115.6 173.4
51 39.3 35.6 53.4
86 61.5 52.3 78.5



#25
2-Butanone
Concen: 2.10 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

Tgt Ion: 43 Resp: 6567
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#





#31

Cyclohexane

Concen: 1.18 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

NON-UST-04

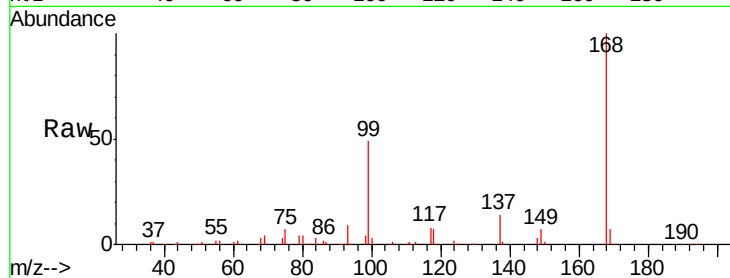
Tgt Ion: 56 Resp: 24512

Ion Ratio Lower Upper

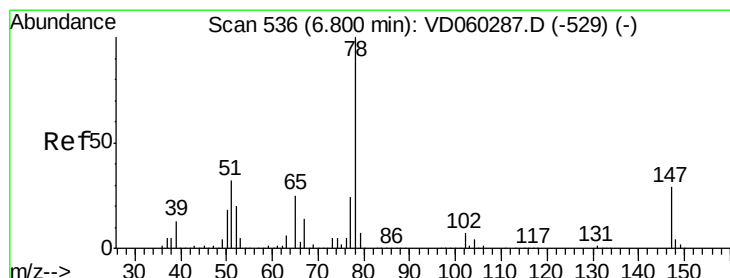
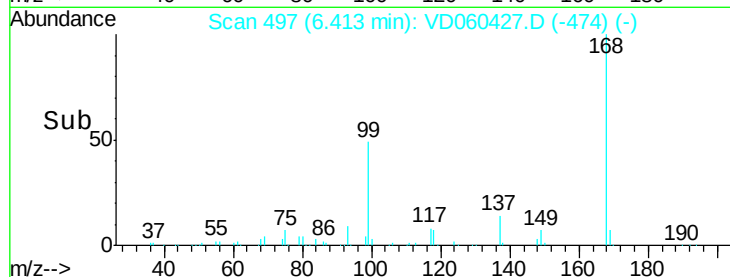
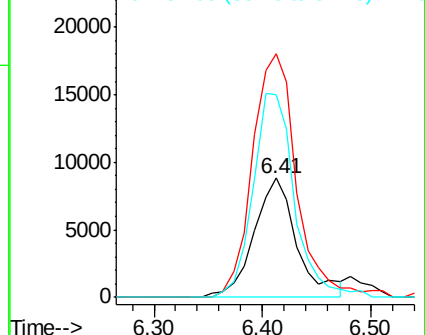
56 100

69 204.7 22.2 33.2#

84 170.1 63.0 94.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060427.D

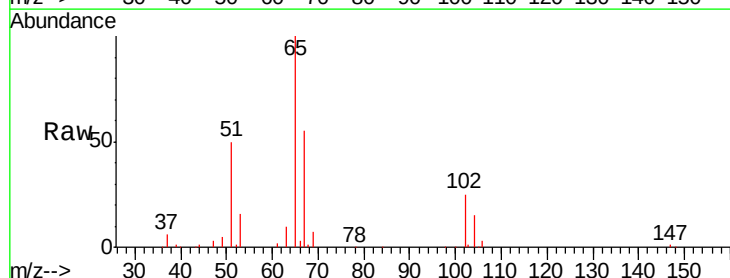
Acq: 20 Nov 2018 14:21

Tgt Ion: 65 Resp: 378328

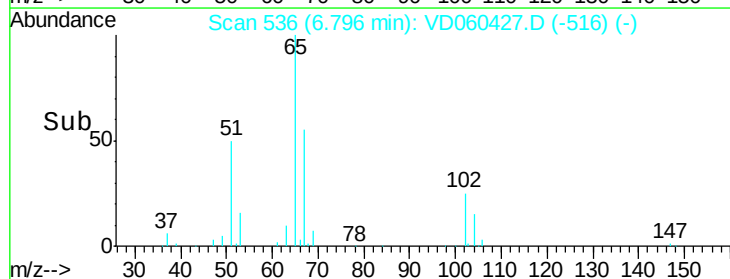
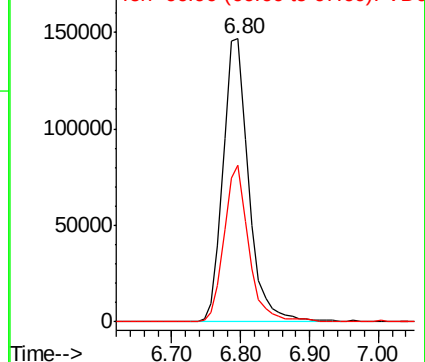
Ion Ratio Lower Upper

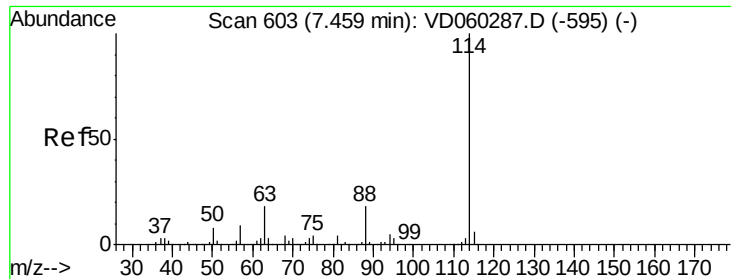
65 100

67 55.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

NON-UST-04

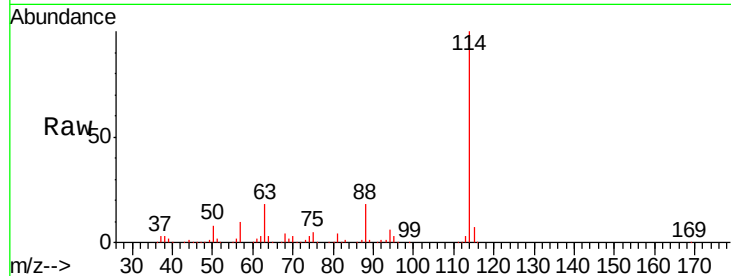
Tgt Ion:114 Resp: 1715078

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

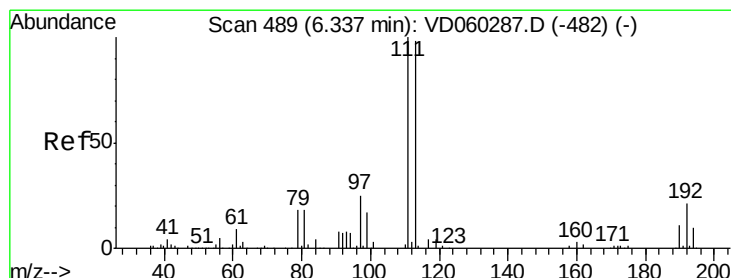
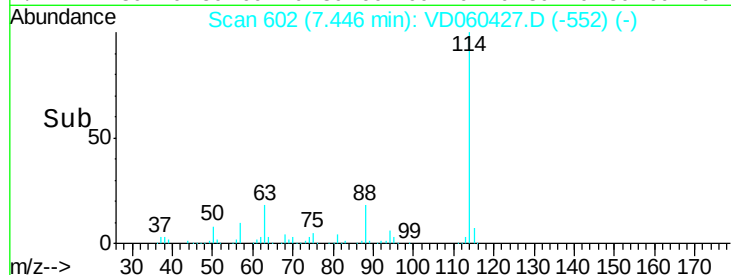
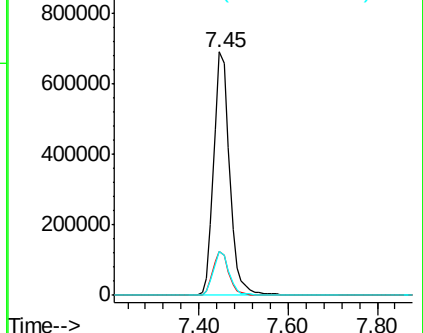
88 18.1 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.33 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

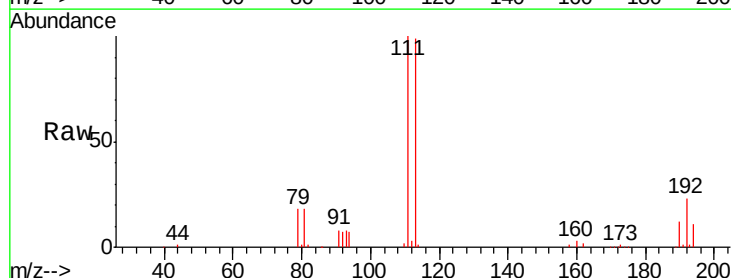
Tgt Ion:113 Resp: 552656

Ion Ratio Lower Upper

113 100

111 101.3 81.6 122.4

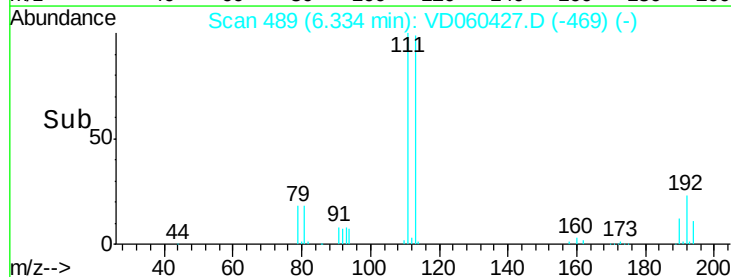
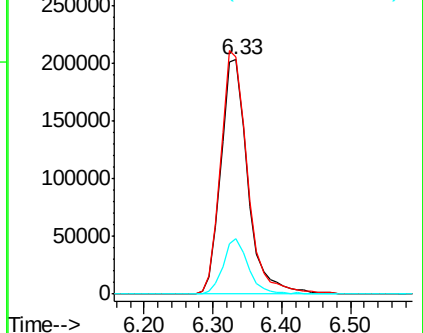
192 23.7 16.5 24.7

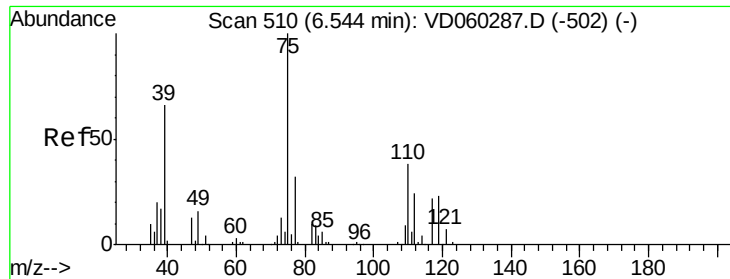


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

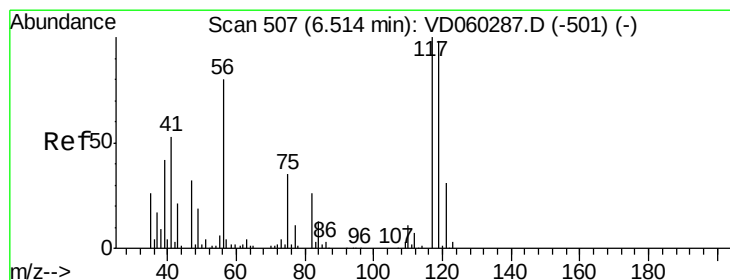
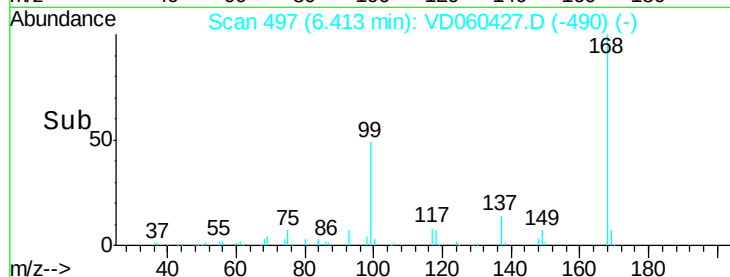
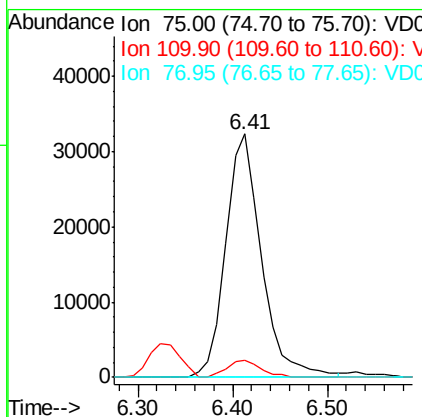
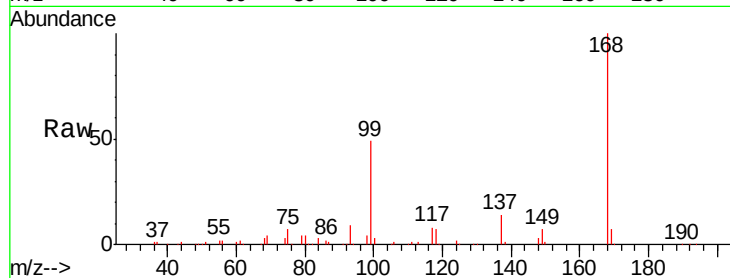




#36
 1,1-Dichloropropene
 Concen: 4.98 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060427.D
 Acq: 20 Nov 2018 14:21

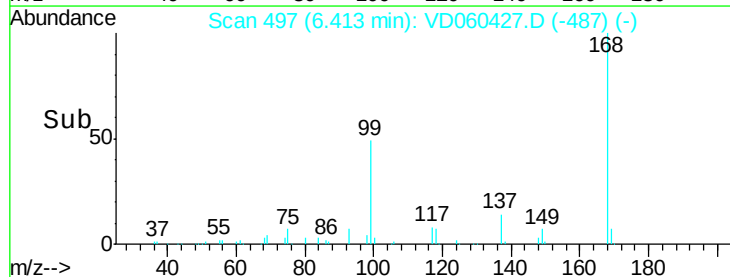
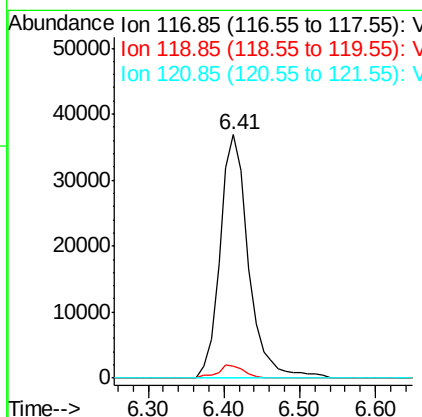
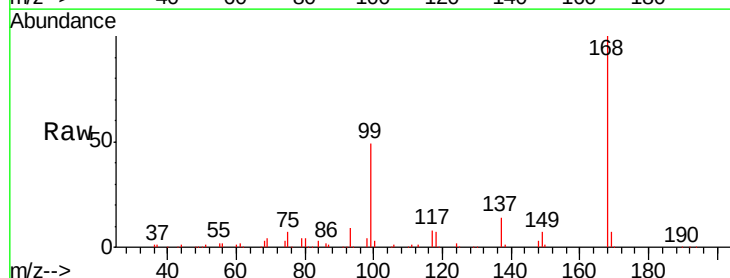
Instrument :
 MSVOA_D
 ClientSampleId :
 NON-UST-04

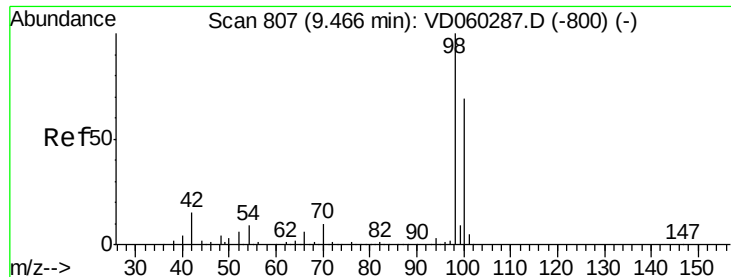
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.11 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.10 min
 Lab File: VD060427.D
 Acq: 20 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.6	115.0#
121	0.0	24.3	36.5#

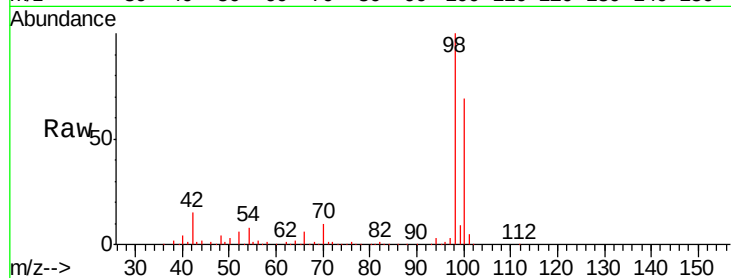




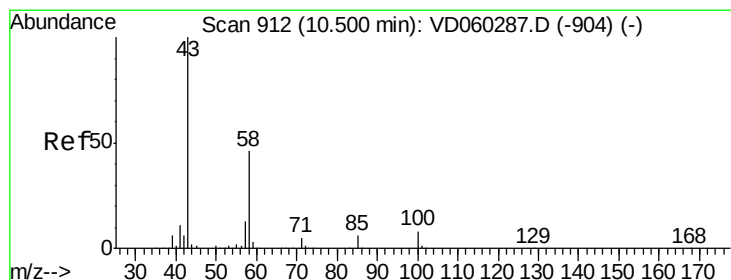
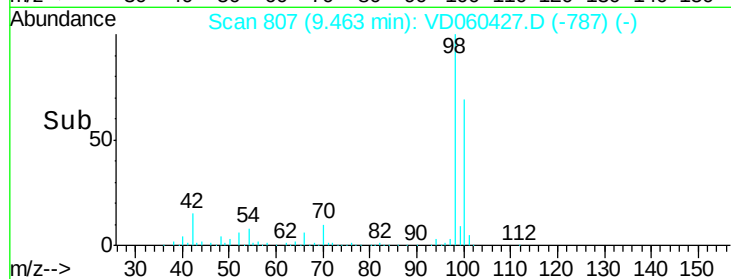
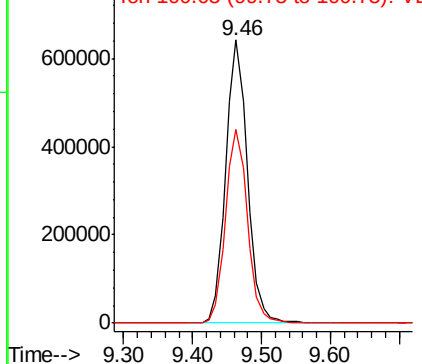
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

Instrument :
MSVOA_D
ClientSampleId :
NON-UST-04

Tgt Ion: 98 Resp: 1405553
Ion Ratio Lower Upper
98 100
100 68.5 55.2 82.8

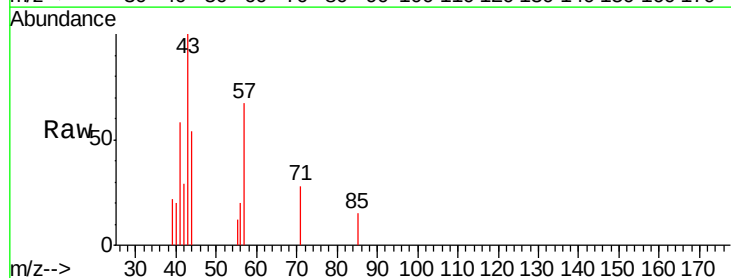


Abundance Ion 98.05 (97.75 to 98.75): VD060427.D (-800) (-)
Ion 100.05 (99.75 to 100.75): VD060427.D (-800) (-)

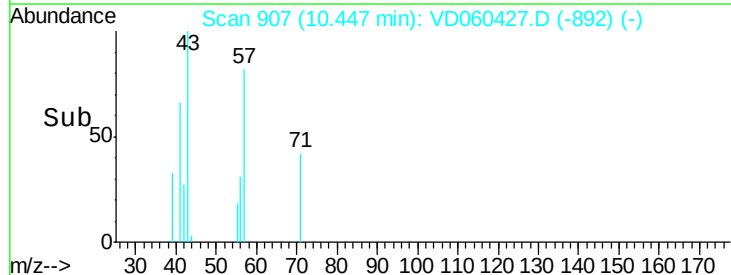
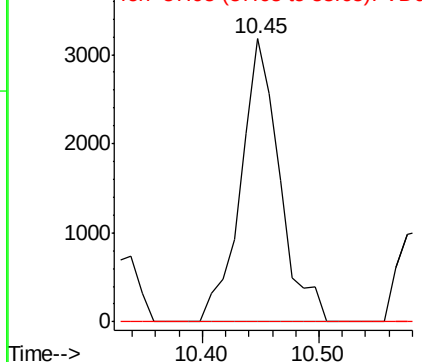


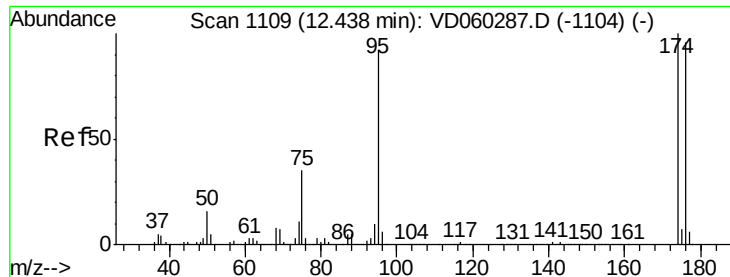
#59
2-Hexanone
Concen: 1.62 ug/l
RT: 10.45 min Scan# 907
Delta R.T. -0.05 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

Tgt Ion: 43 Resp: 7353
Ion Ratio Lower Upper
43 100
58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060427.D (-892) (-)
Ion 57.95 (57.65 to 58.65): VD060427.D (-892) (-)

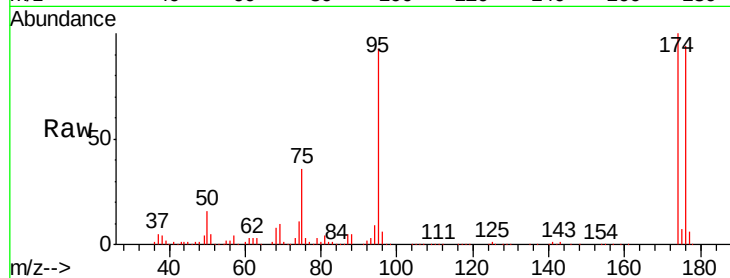




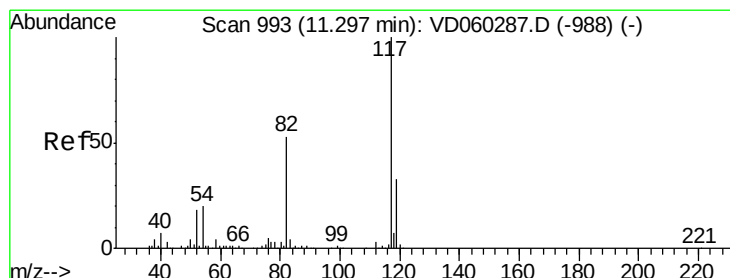
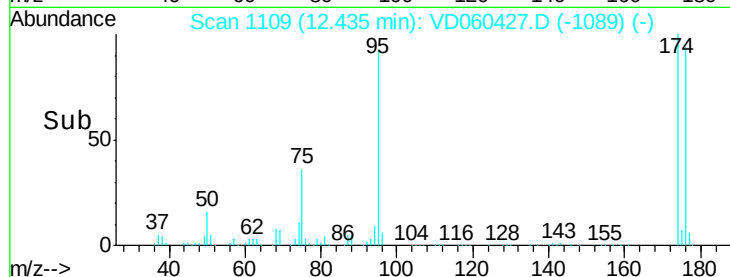
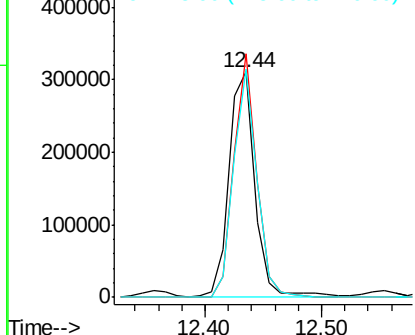
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

Instrument :
MSVOA_D
ClientSampleId :
NON-UST-04

Tgt Ion: 95 Resp: 475514
Ion Ratio Lower Upper
95 100
174 108.0 0.0 160.8
176 101.3 0.0 154.6

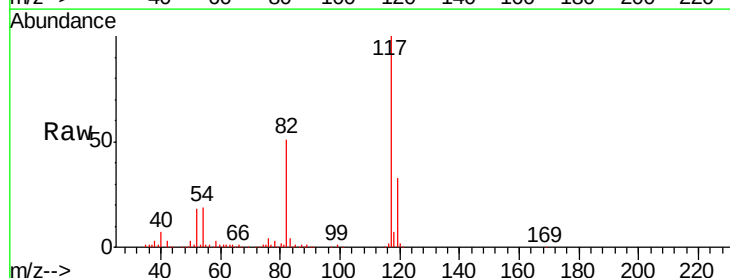


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

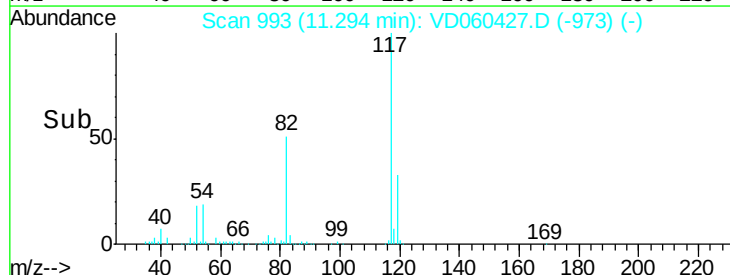
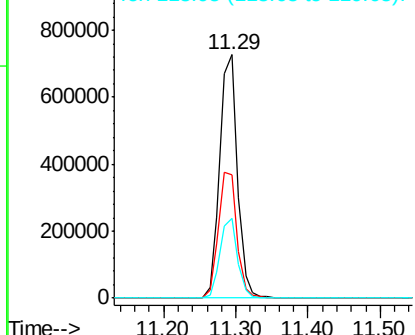


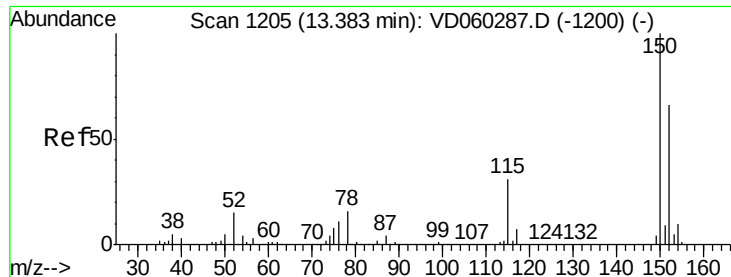
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060427.D
Acq: 20 Nov 2018 14:21

Tgt Ion: 117 Resp: 1225077
Ion Ratio Lower Upper
117 100
82 50.9 43.7 65.5
119 32.9 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

NON-UST-04

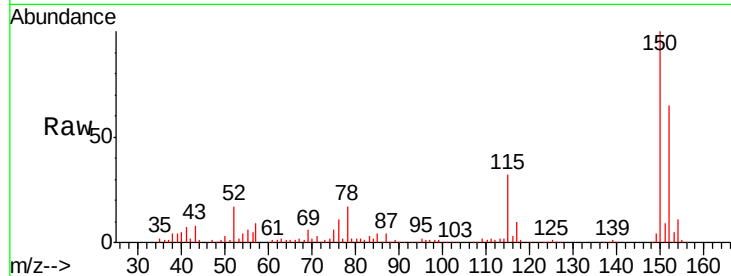
Tgt Ion:152 Resp: 492100

Ion Ratio Lower Upper

152 100

115 48.7 24.1 72.3

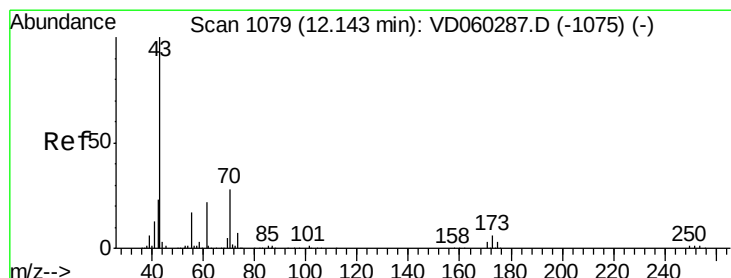
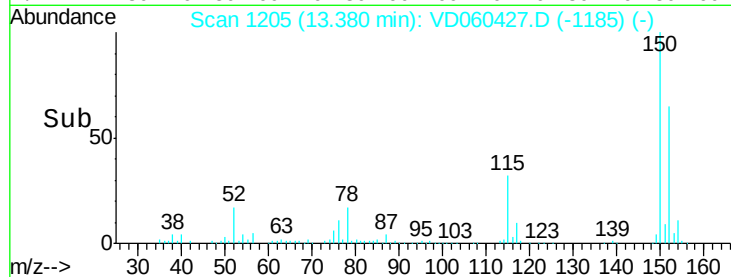
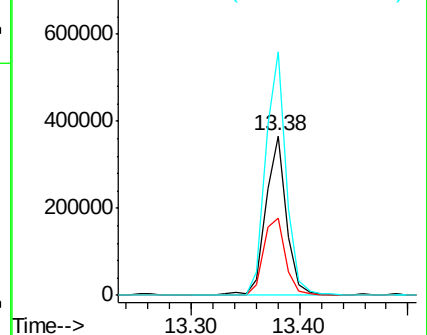
150 152.9 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.85 ug/l

RT: 12.09 min Scan# 1074

Delta R.T. -0.05 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Tgt Ion: 43 Resp: 16974

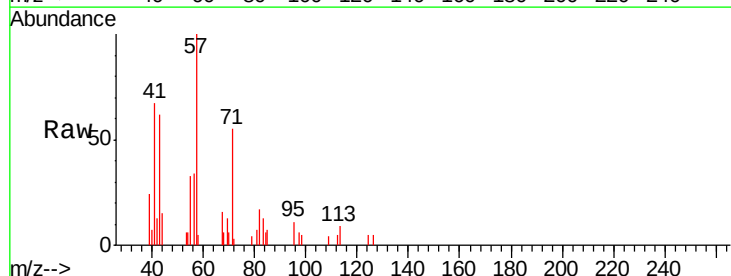
Ion Ratio Lower Upper

43 100

70 9.2 23.0 34.4#

55 52.7 14.2 21.4#

61 0.0 17.8 26.8#

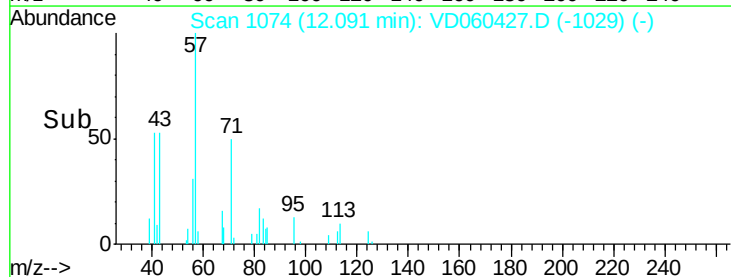
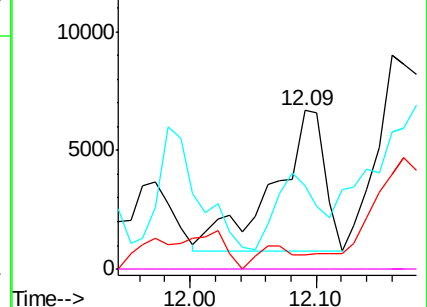


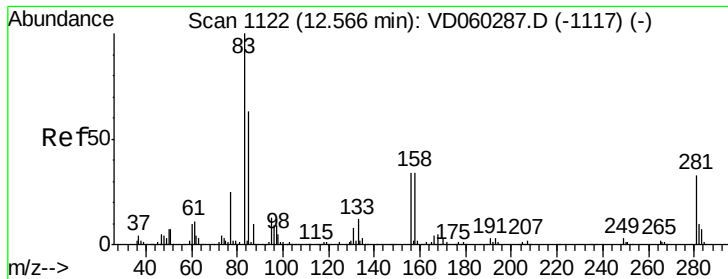
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.70 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

NON-UST-04

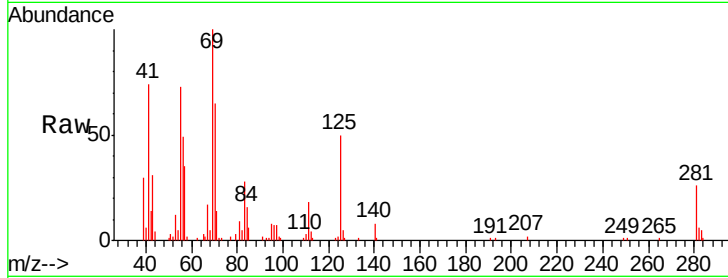
Tgt Ion: 83 Resp: 33411

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

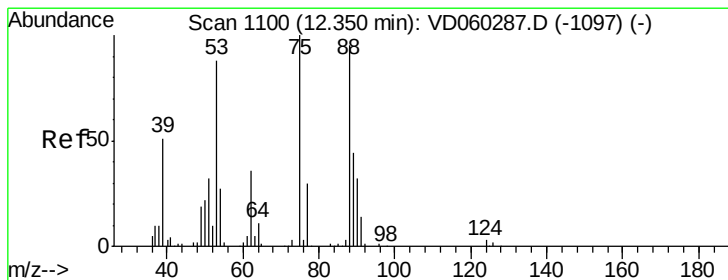
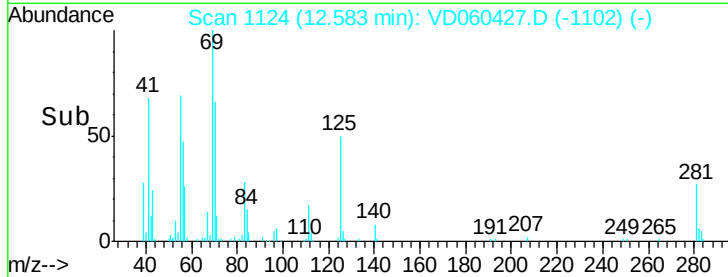
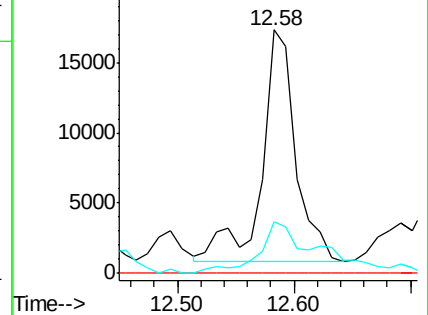
85 21.0 32.0 96.0#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 111.57 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060427.D

Acq: 20 Nov 2018 14:21

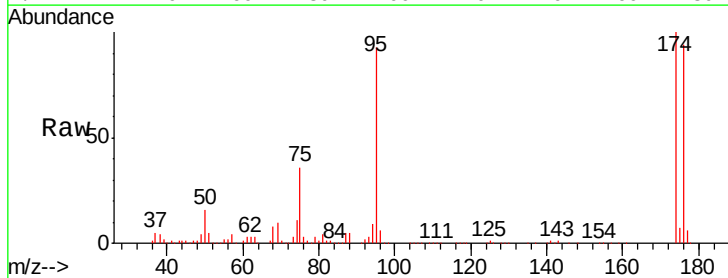
Tgt Ion: 75 Resp: 186989

Ion Ratio Lower Upper

75 100

53 0.6 68.6 103.0#

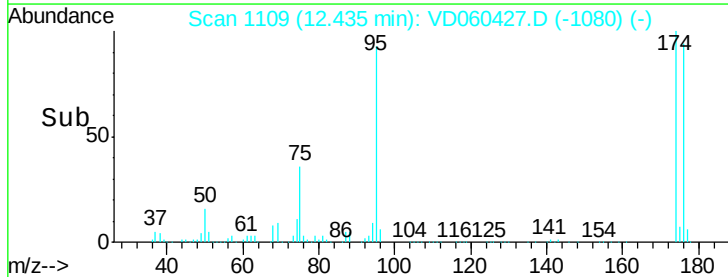
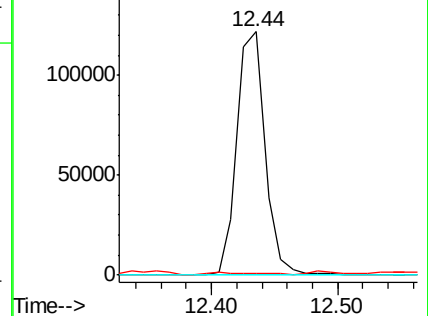
89 0.0 34.1 51.1#

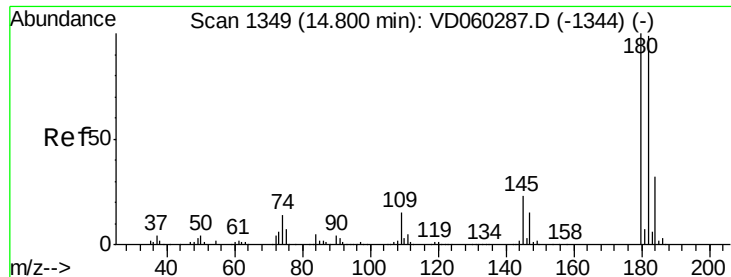


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

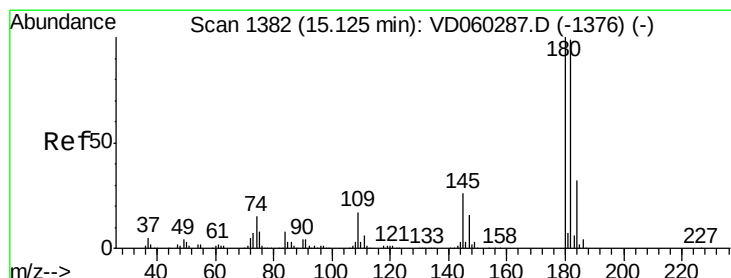
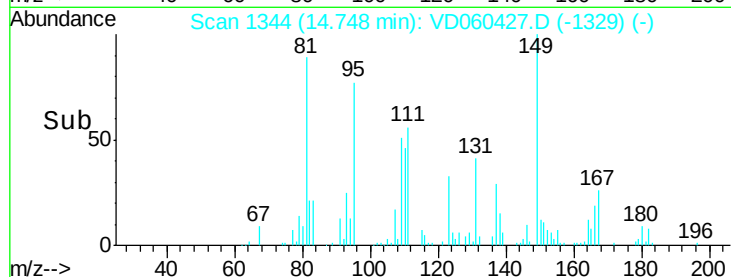
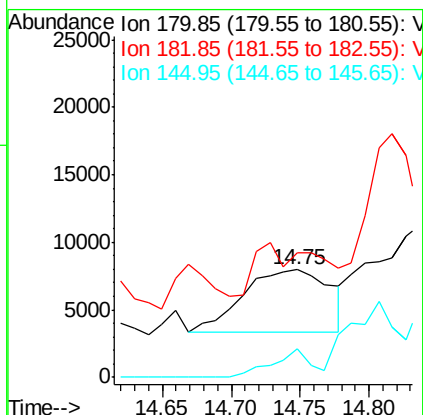
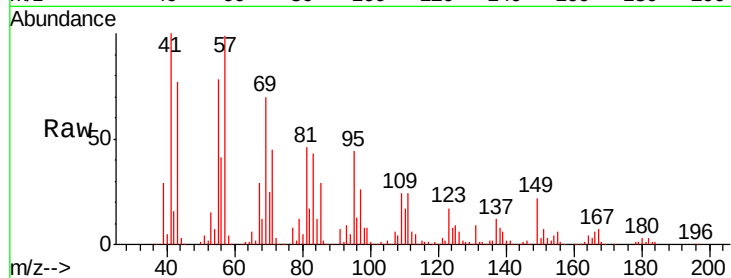




#93
 1,2,4-Trichlorobenzene
 Concen: 1.85 ug/l
 RT: 14.75 min Scan# 1344
 Delta R.T. -0.05 min
 Lab File: VD060427.D
 Acq: 20 Nov 2018 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 NON-UST-04

Tgt Ion:180 Resp: 20455
 Ion Ratio Lower Upper
 180 100
 182 115.3 48.1 144.4
 145 26.4 11.5 34.4



#96
 1,2,3-Trichlorobenzene
 Concen: 1.55 ug/l
 RT: 15.14 min Scan# 1384
 Delta R.T. 0.02 min
 Lab File: VD060427.D
 Acq: 20 Nov 2018 14:21

Tgt Ion:180 Resp: 13731
 Ion Ratio Lower Upper
 180 100
 182 41.5 48.9 146.7#
 145 26.8 12.9 38.6

