

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056398.D
 Acq On : 20 Jun 2019 13:29
 Operator : JC/SP
 Sample : K3455-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

Quant Time: Jun 21 04:26:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	380030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	634488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212234	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	187722	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.09	98	797390	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	262008	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.42	74	617	0.266	ug/l #	46
11) Tert butyl alcohol	4.80	59	145	0.204	ug/l #	74
14) Allyl chloride	4.55	41	258573	46.270	ug/l #	28
16) Acetone	3.83	43	9442	4.474	ug/l	99
18) Methyl Acetate	4.33	43	5635	0.504	ug/l #	77
20) Methylene Chloride	4.55	84	7107613	1818.177	ug/l	99
25) 2-Butanone	6.85	43	3140	1.124	ug/l #	90
29) Tetrahydrofuran	7.22	42	831	0.487	ug/l #	83
30) Chloroform	7.37	83	3954	0.595	ug/l	92
31) Cyclohexane	7.66	56	6134	0.943	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24086	4.313	ug/l #	49
37) Ethyl Acetate	6.85	43	3140	0.572	ug/l #	69
38) Carbon Tetrachloride	7.67	117	33418	6.843	ug/l #	15
43) Isopropyl Acetate	8.17	43	14892	1.760	ug/l #	88
45) 1,2-Dichloropropane	9.27	63	1879	0.409	ug/l #	43
48) Methyl methacrylate	9.18	41	8718	2.056	ug/l #	12
49) 1,4-Dioxane	9.26	88	129	1.466	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	5003	0.916	ug/l	89
54) cis-1,3-Dichloropropene	9.90	75	58689	9.560	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	13036	1.838	ug/l #	42
59) 2-Hexanone	10.76	43	178933	44.572	ug/l #	50
60) Dibromochloromethane	10.63	129	1518	2.715	ug/l #	10
64) Tetrachloroethene	10.63	164	1529	0.303	ug/l #	84
71) Bromoform	12.39	173	552	3.291	ug/l #	1
73) Isopropylbenzene	12.25	105	414	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	122099	30.011	ug/l #	100
79) 2-Chlorotoluene	12.67	91	357	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.74	105	3155	Below Cal		100
81) trans-1,4-Dichloro-2-buten	12.40	75	122099	106.665	ug/l #	8
83) tert-Butylbenzene	12.98	119	136	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	2787	0.211	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	376	5.711	ug/l	90
94) Hexachlorobutadiene	15.01	225	65	Below Cal	#	4
95) Naphthalene	15.13	128	3512	5.595	ug/l #	93

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

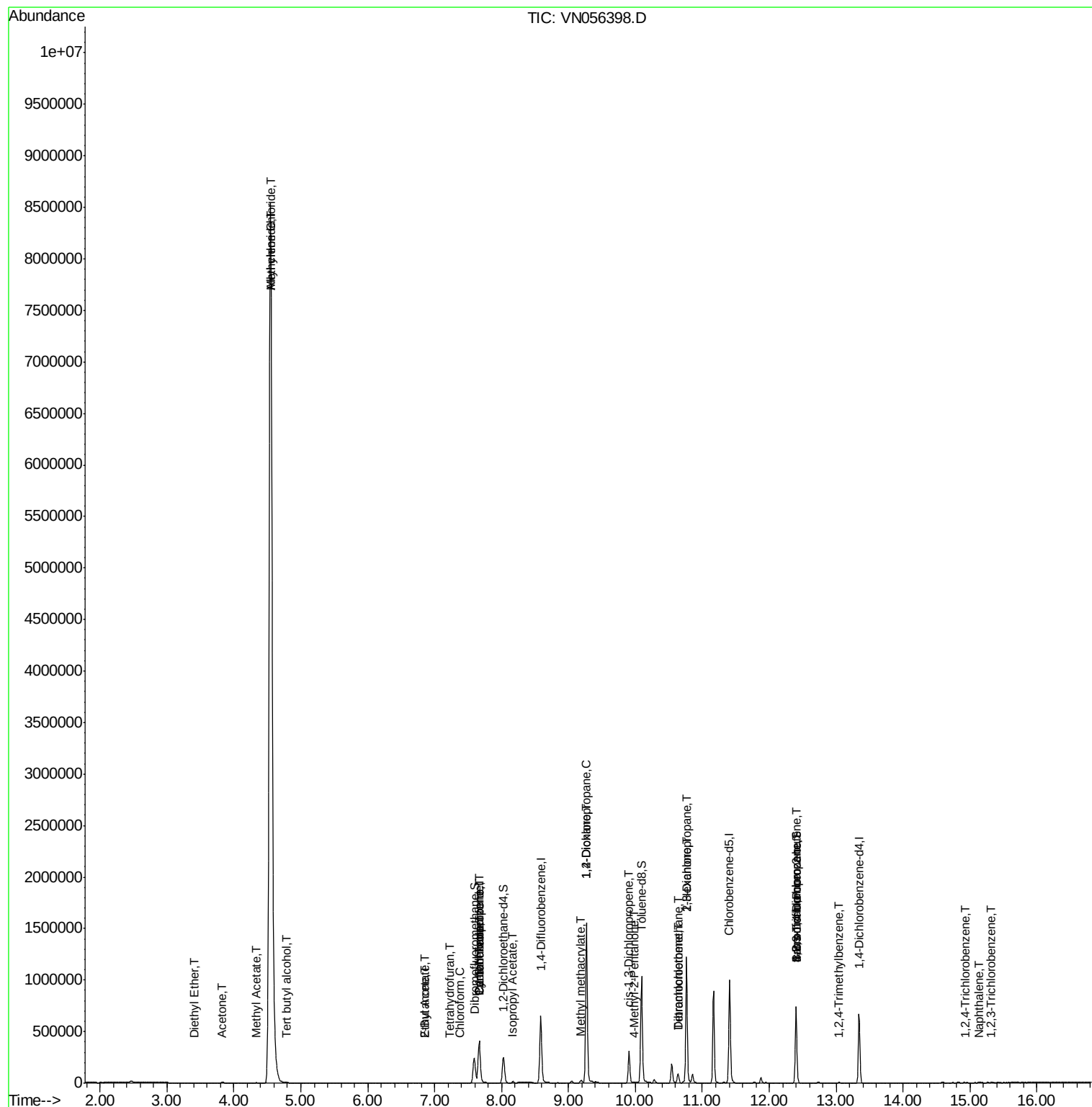
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	493	4.608	ug/l #	86

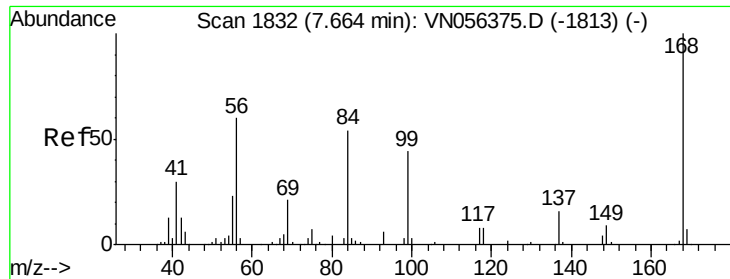
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

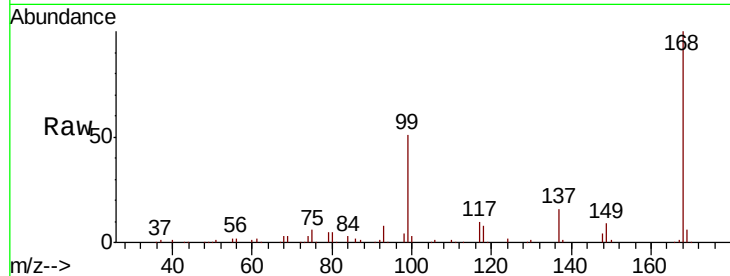
TP-5-DUCT-BANK

Tot Ion:168 Resp: 380030

Ion Ratio Lower Upper

168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

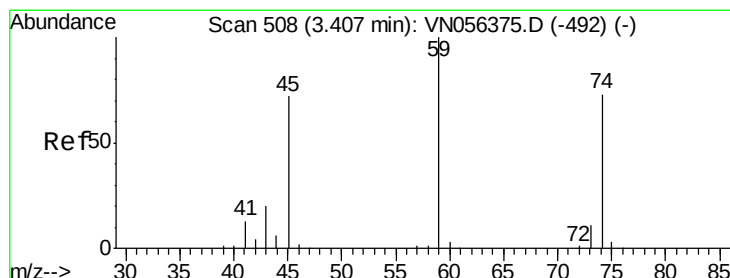
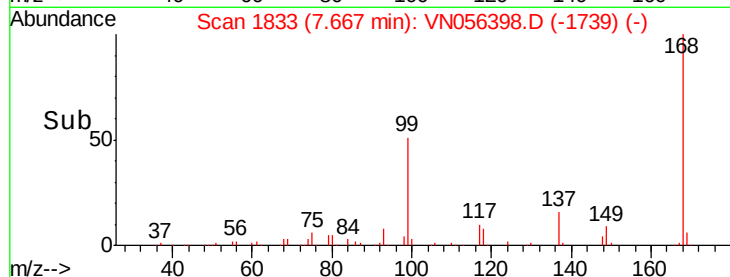
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.266 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN056398.D

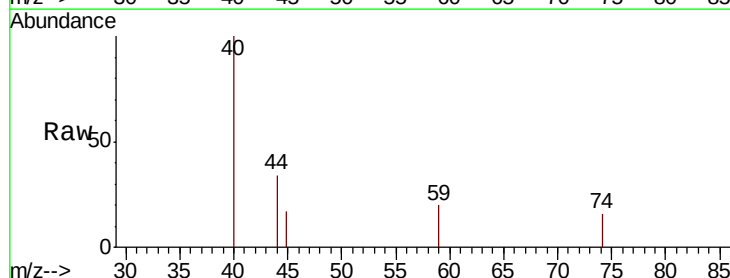
Acq: 20 Jun 2019 13:29

Tgt Ion: 74 Resp: 617

Ion Ratio Lower Upper

74 100

45 151.2 48.9 146.6#



Abundance Ion 74.00 (73.70 to 74.70): VN056375.D (-492) (-)

Ion 45.00 (44.70 to 45.70): VN056375.D (-492) (-)

3.42

400

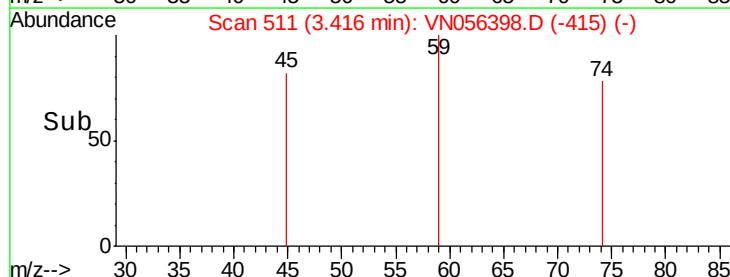
300

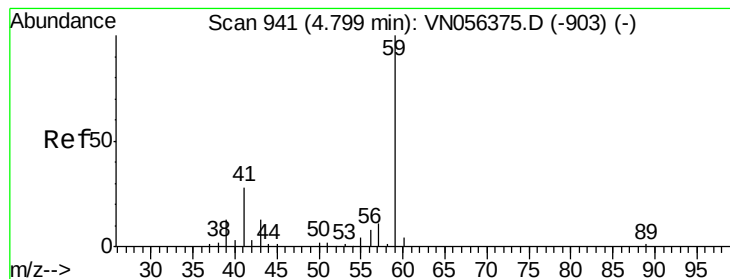
200

100

0

Time-->



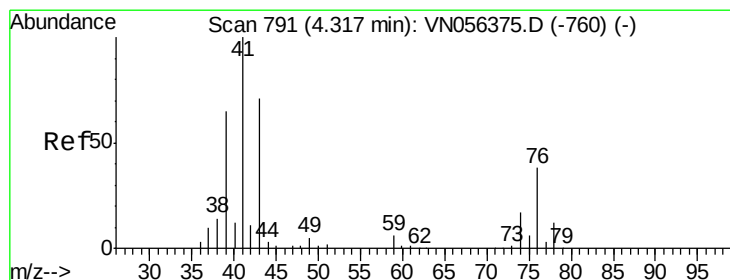
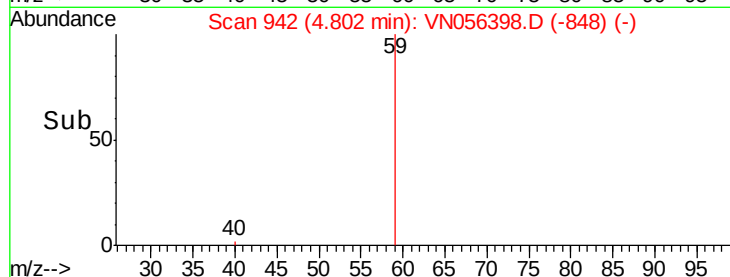
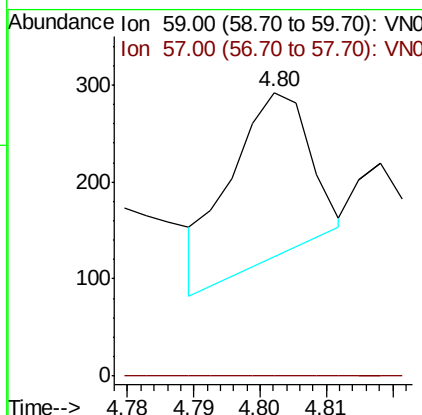
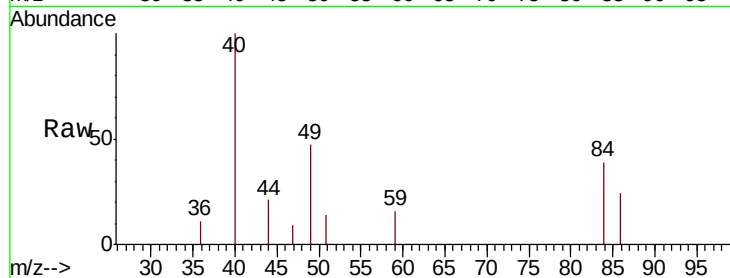


#11

Tert butyl alcohol
 Concen: 0.204 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

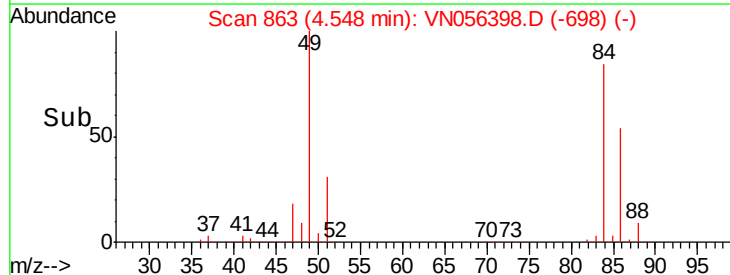
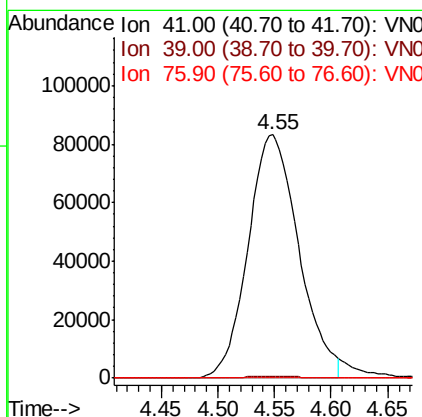
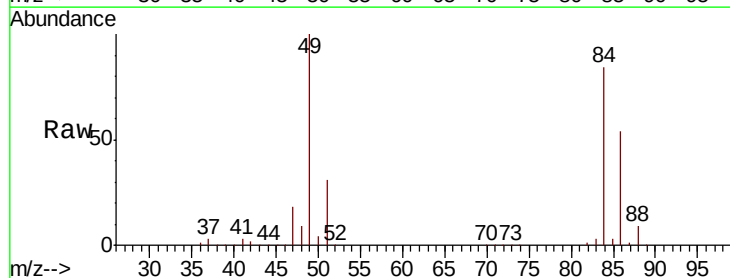
Tot Ion: 59 Resp: 145
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

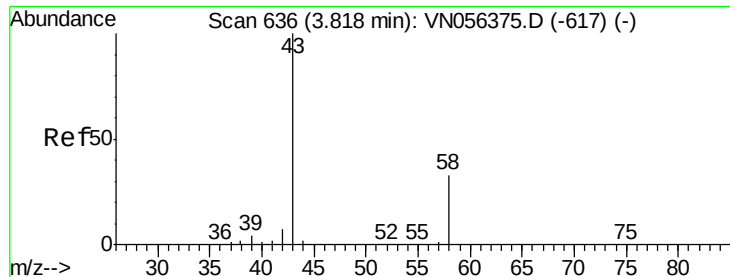


#14

Allyl chloride
 Concen: 46.270 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.23 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion: 41 Resp: 258573
 Ion Ratio Lower Upper
 41 100
 39 0.7 48.6 73.0#
 76 0.0 26.6 40.0#





#16

Acetone

Concen: 4.474 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

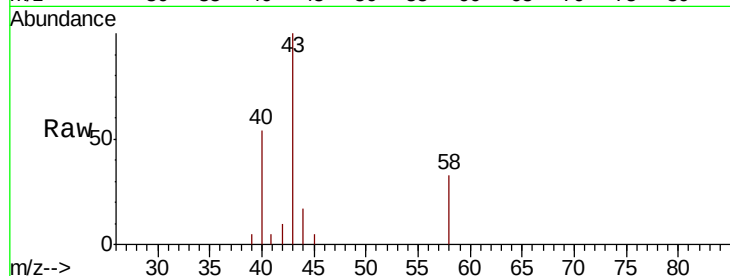
TP-5-DUCT-BANK

Tot Ion: 43 Resp: 9442

Ion Ratio Lower Upper

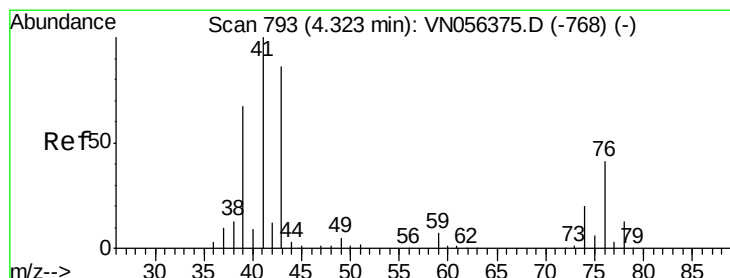
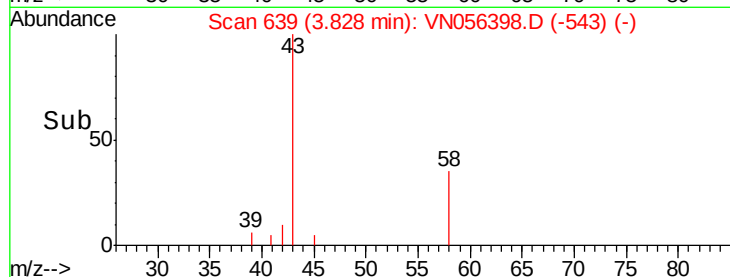
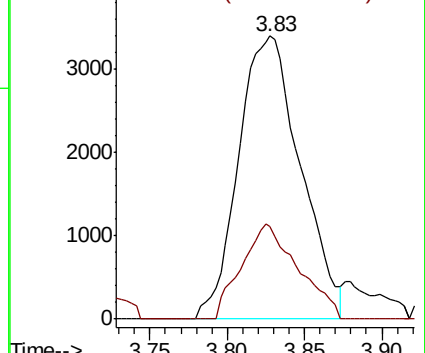
43 100

58 32.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.504 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056398.D

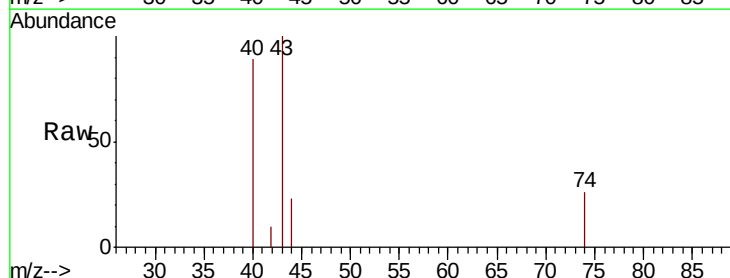
Acq: 20 Jun 2019 13:29

Tgt Ion: 43 Resp: 5635

Ion Ratio Lower Upper

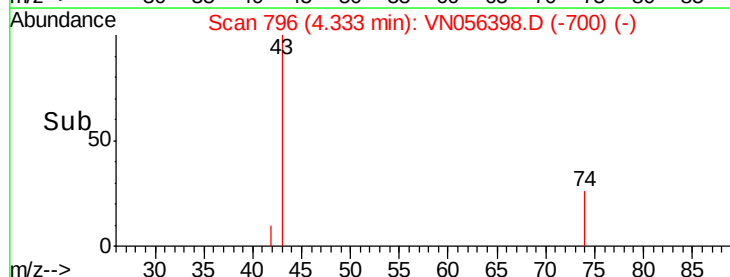
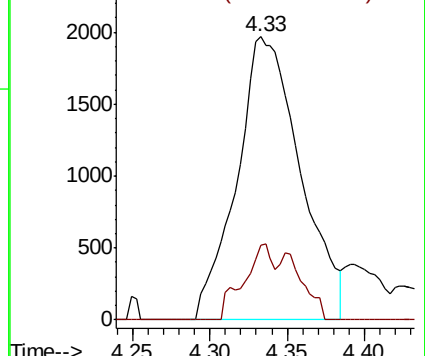
43 100

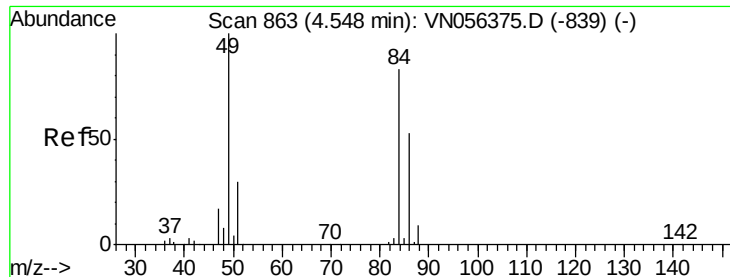
74 12.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



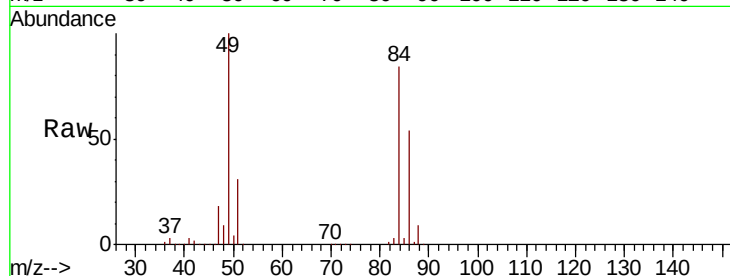


#20
Methvlene Chloride
Concen: 1818.177 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

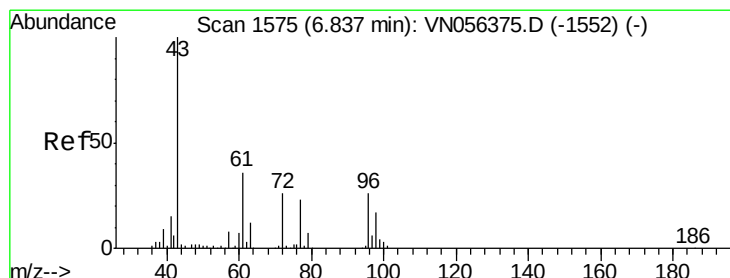
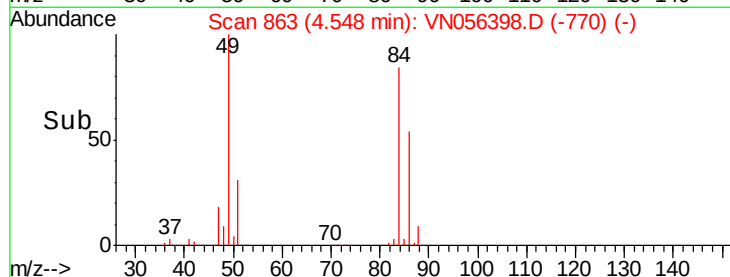
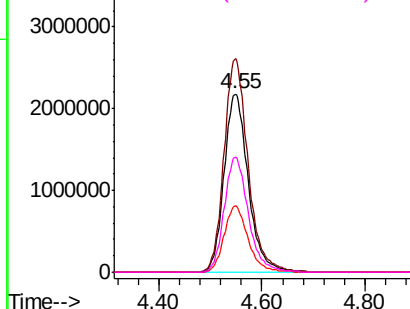
Instrument :
MSVOA_N
ClientSampleId :
TP-5-DUCT-BANK

Tot Ion: 84 Resp: 7107613

Ion	Ratio	Lower	Upper
84	100		
49	119.6	96.4	144.6
51	37.2	28.6	43.0
86	64.3	51.4	77.2



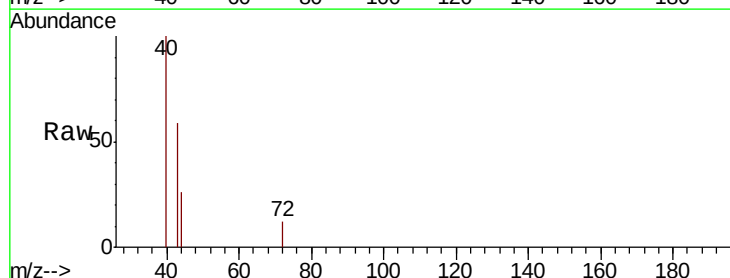
Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



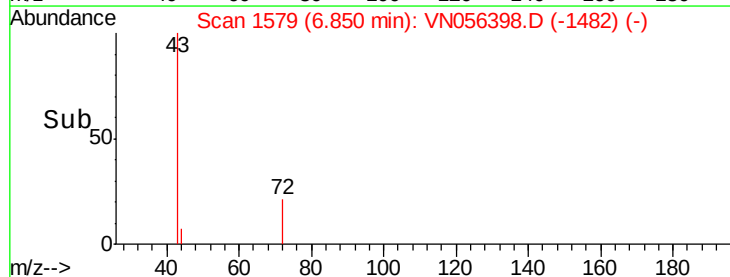
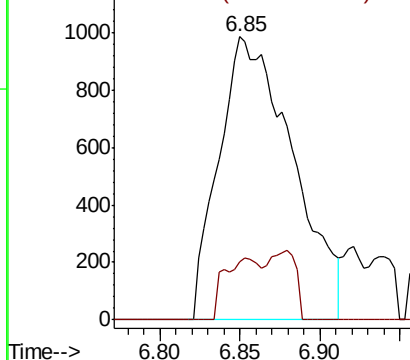
#25
2-Butanone
Concen: 1.124 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

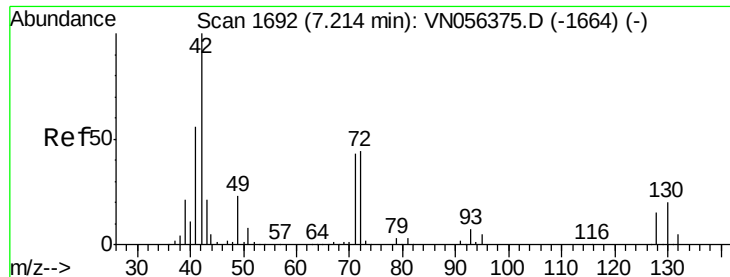
Tgt Ion: 43 Resp: 3140

Ion	Ratio	Lower	Upper
43	100		
72	20.6	20.6	31.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

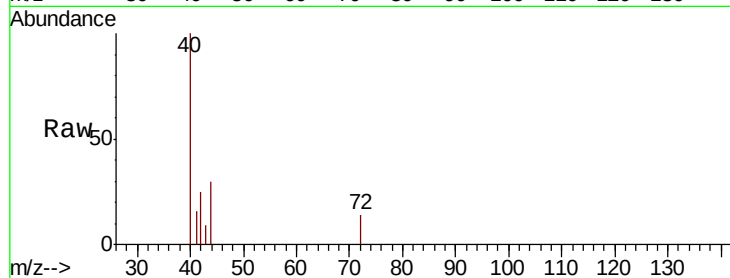
Tot Ion: 42 Resp: 831

Ion Ratio Lower Upper

42 100

72 43.2 34.7 52.1

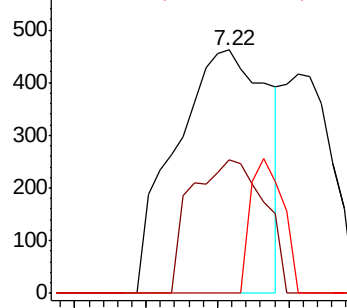
71 19.4 33.0 49.6#



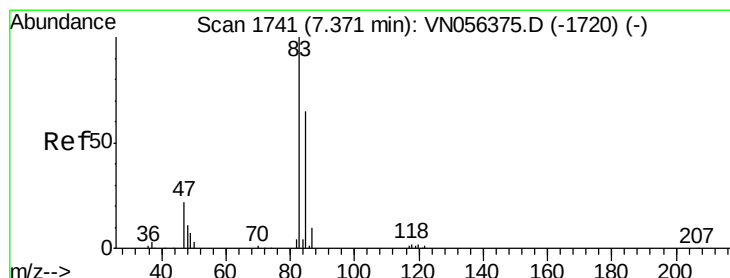
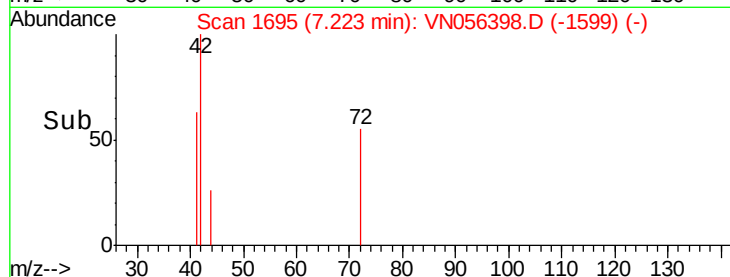
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#30

Chloroform

Concen: 0.595 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056398.D

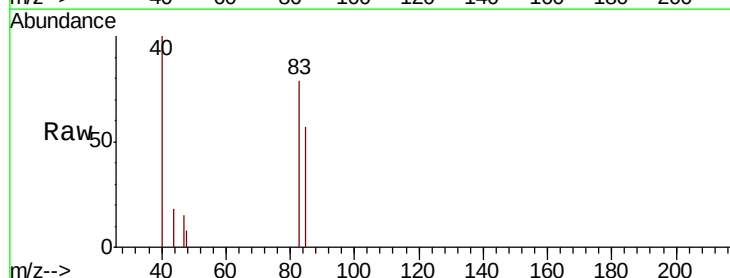
Acq: 20 Jun 2019 13:29

Tgt Ion: 83 Resp: 3954

Ion Ratio Lower Upper

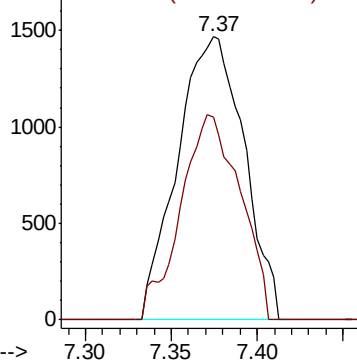
83 100

85 71.6 52.3 78.5

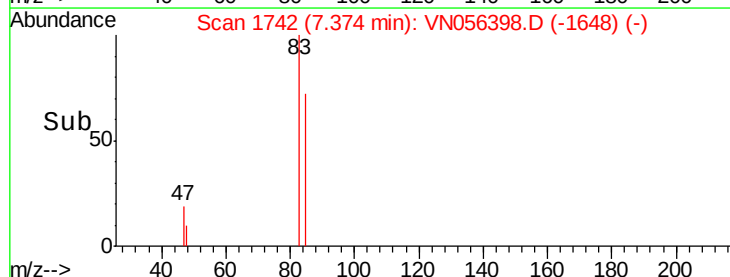


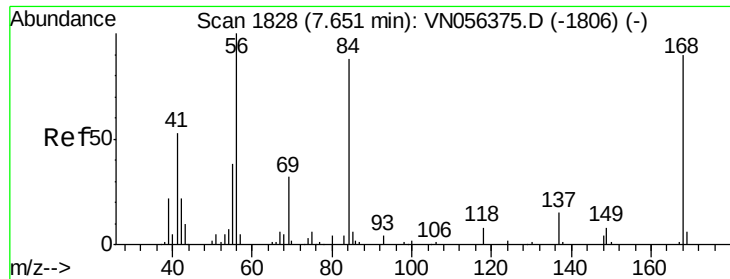
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->

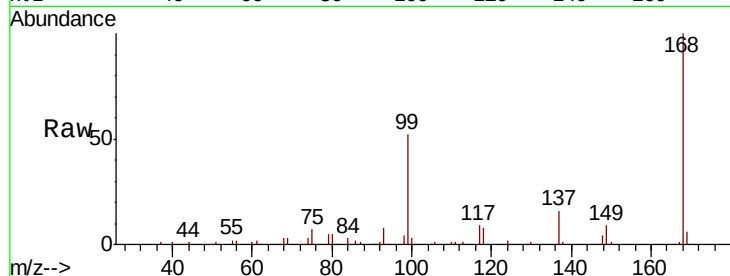




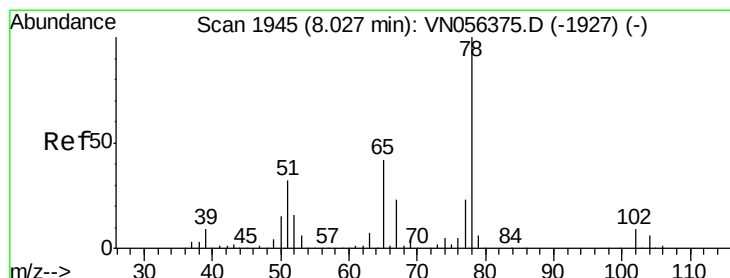
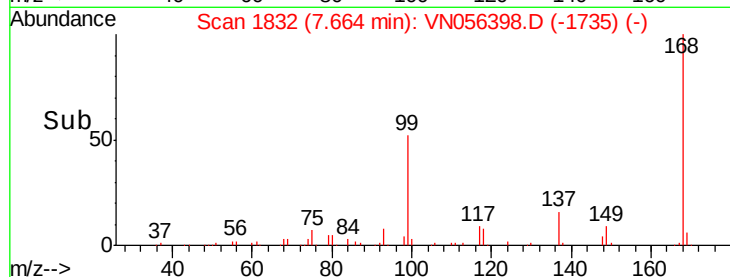
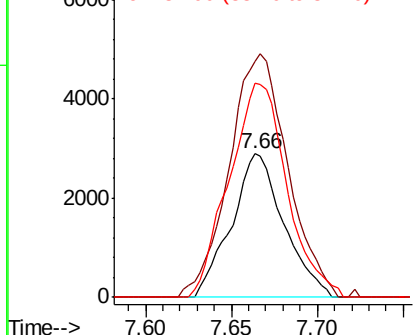
#31
Cyclohexane
Concen: 0.943 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
TP-5-DUCT-BANK

Tot Ion: 56 Resp: 6134
Ion Ratio Lower Upper
56 100
69 164.3 25.8 38.6#
84 149.3 69.4 104.0#

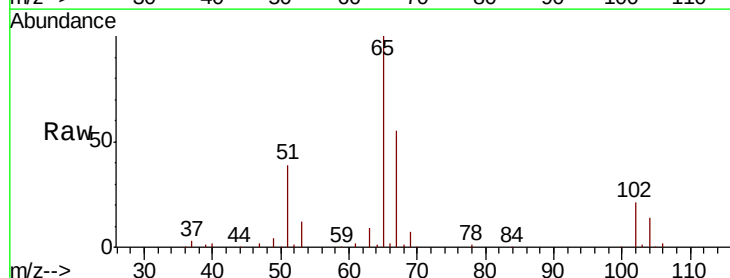


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

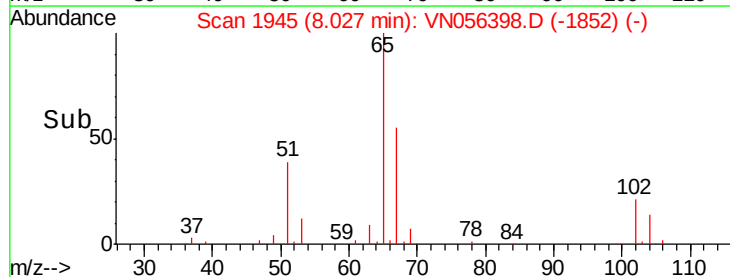
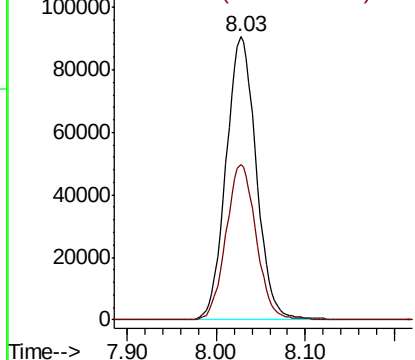


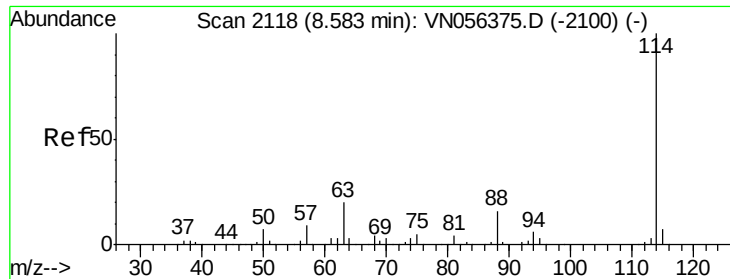
#33
1,2-Dichloroethane-d4
Concen: 50.389 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

Tgt Ion: 65 Resp: 212234
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

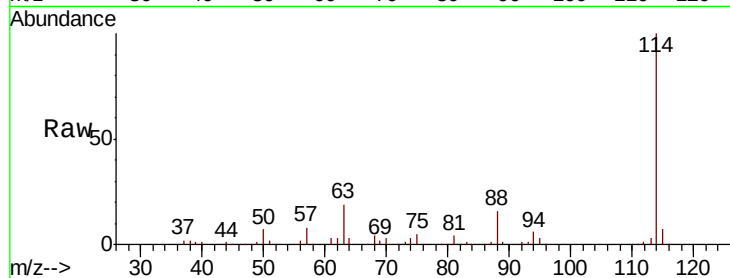




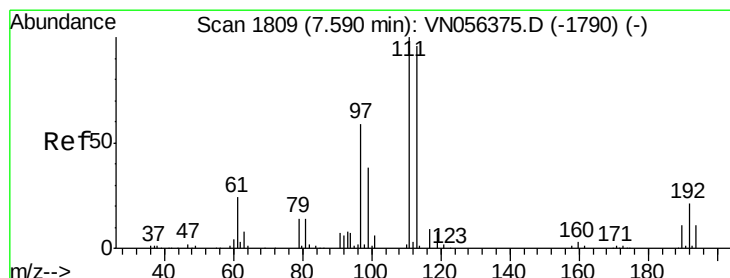
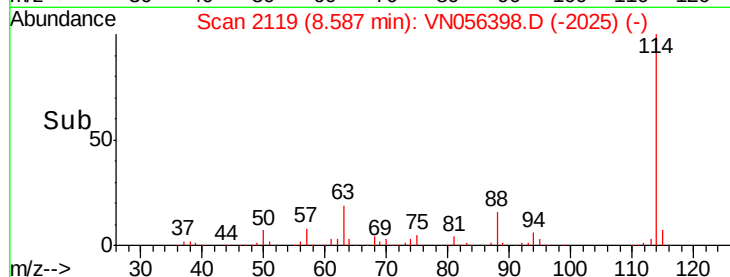
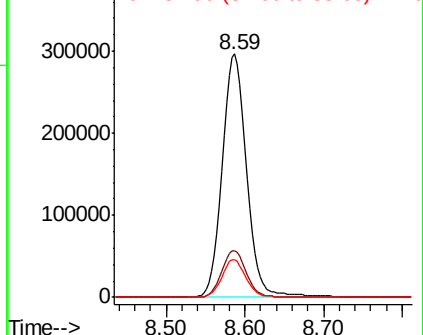
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

Tot Ion:114 Resp: 634488
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.6 0.0 31.4

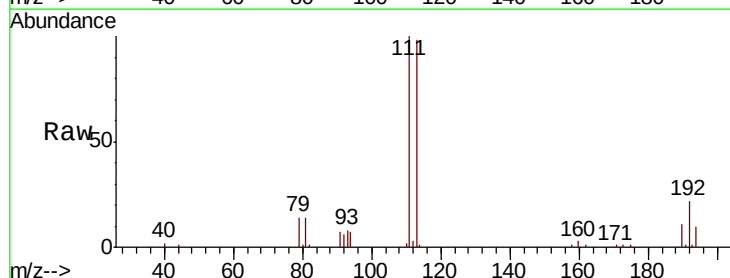


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

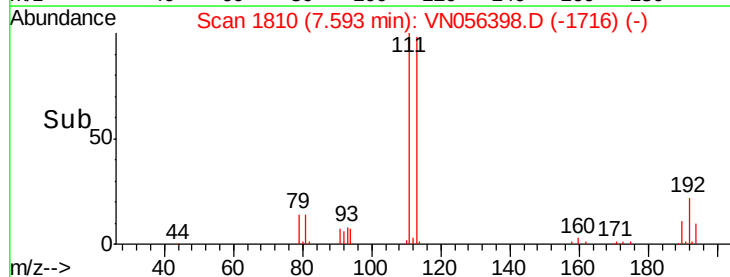
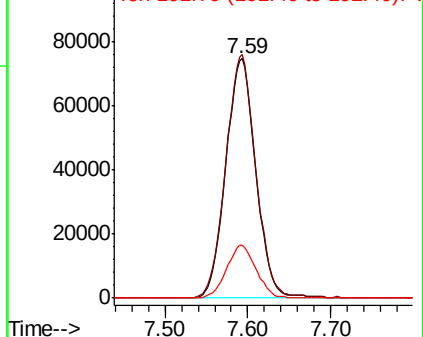


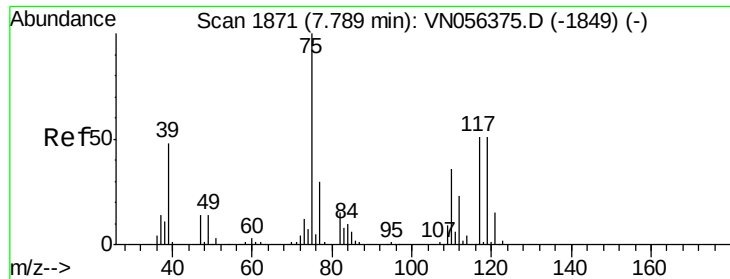
#35
 Dibromofluoromethane
 Concen: 47.427 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion:113 Resp: 187722
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 21.7 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

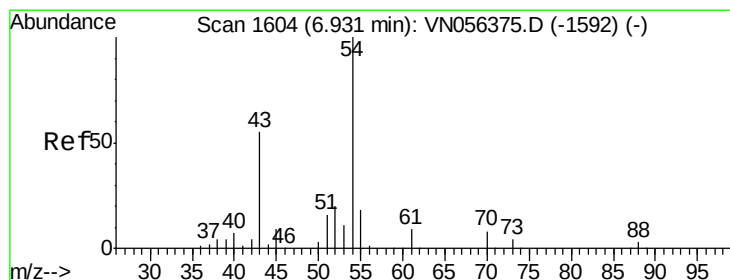
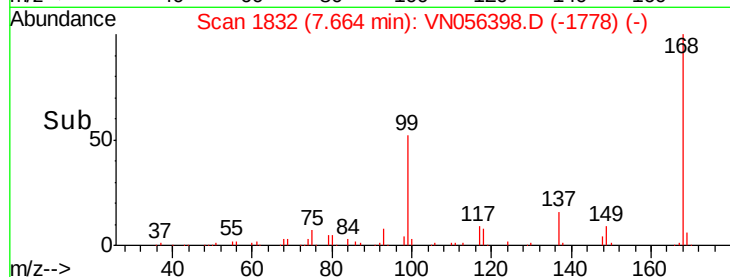
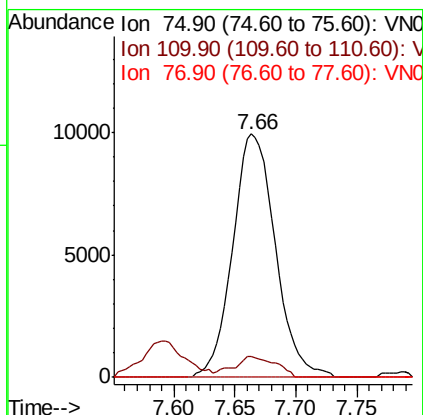
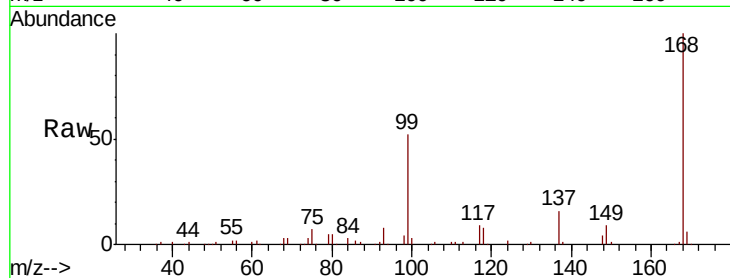




#36
 1,1-Dichloropropene
 Concen: 4.313 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

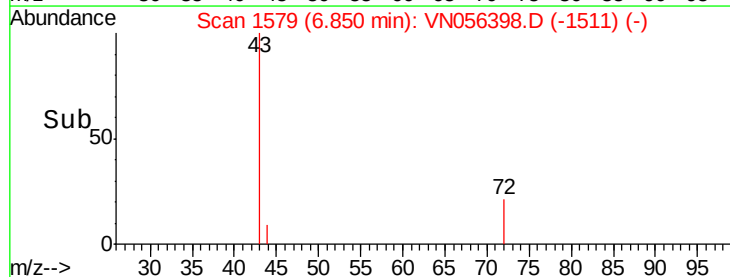
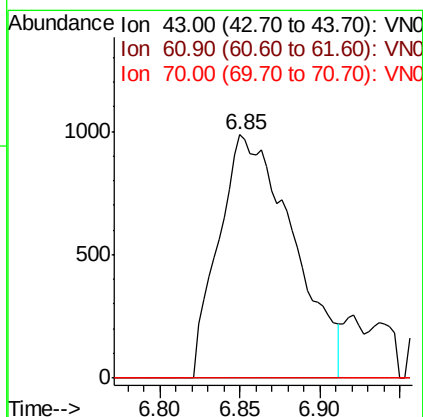
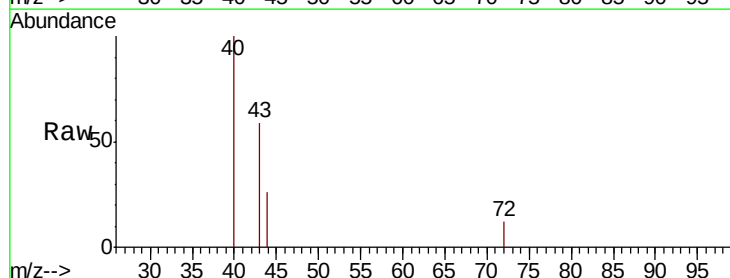
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

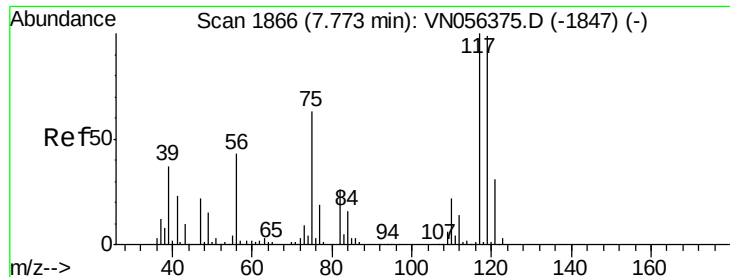
Tot Ion	75	Resp	24086
Ion Ratio	Lower	Upper	
75	100		
110	8.4	18.1	54.3#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.572 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. -0.08 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion	43	Resp	3140
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.1	16.7#
70	0.0	8.3	12.5#





#38

Carbon Tetrachloride

Concen: 6.843 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

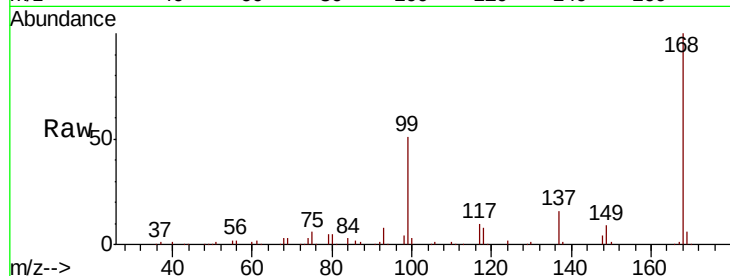
Tot Ion:117 Resp: 33418

Ion Ratio Lower Upper

117 100

119 5.1 79.1 118.7#

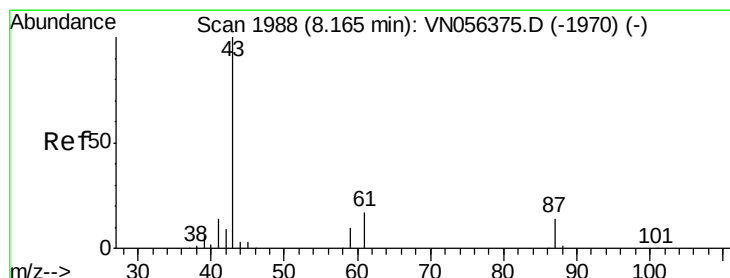
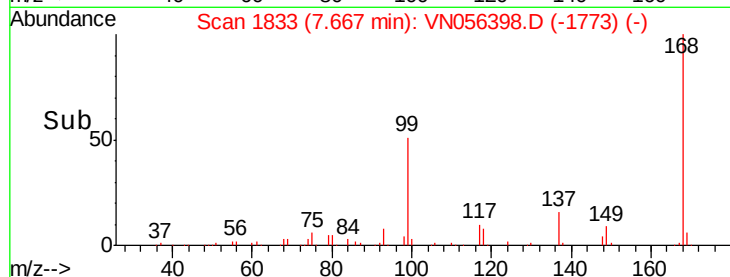
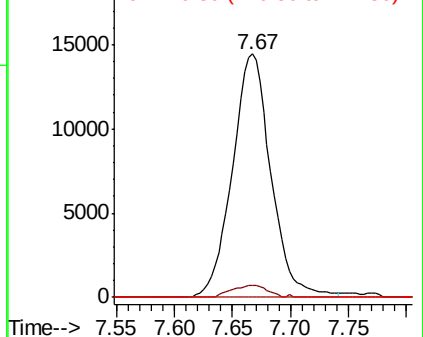
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.760 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

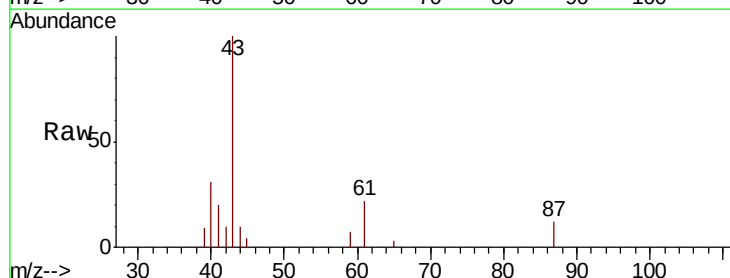
Tgt Ion: 43 Resp: 14892

Ion Ratio Lower Upper

43 100

61 19.2 22.0 33.0#

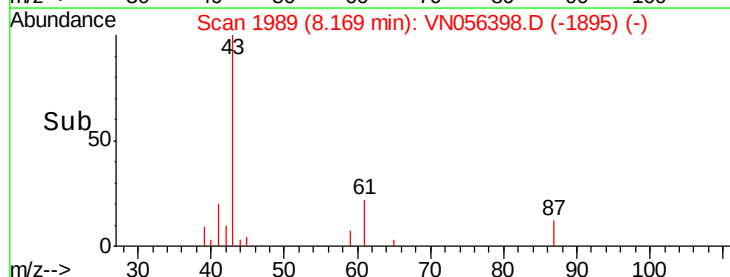
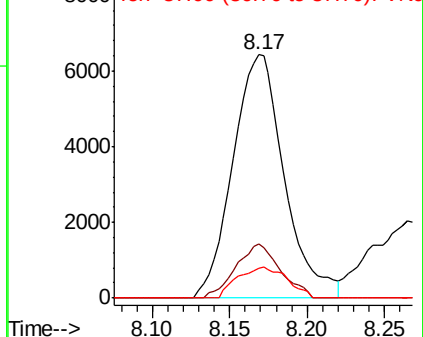
87 12.2 11.0 16.4

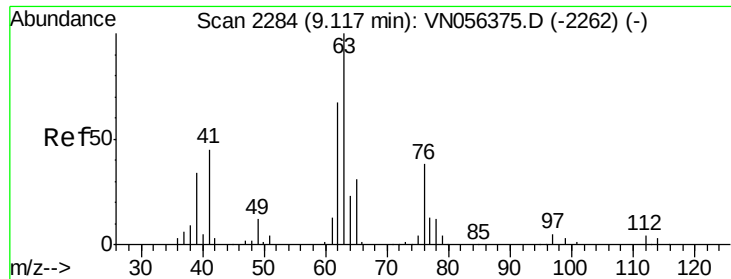


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

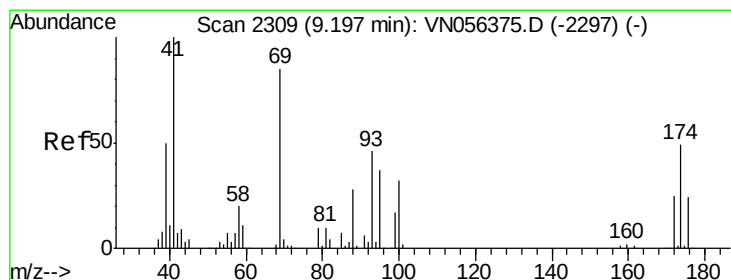
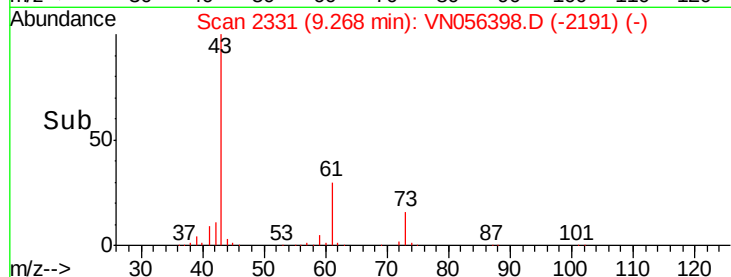
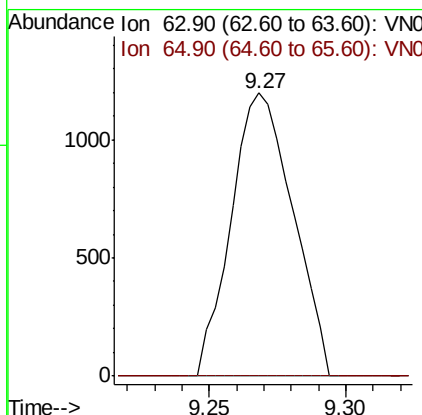
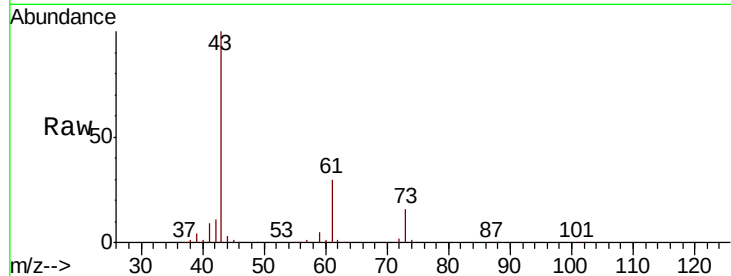




#45
 1,2-Dichloropropane
 Concen: 0.409 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

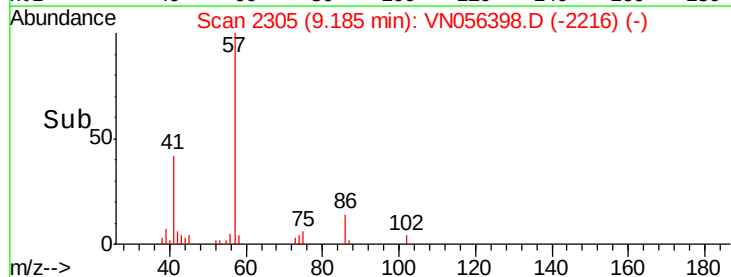
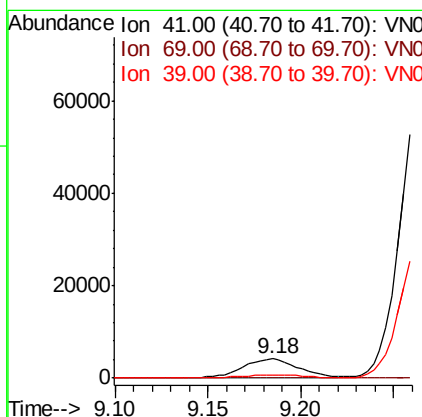
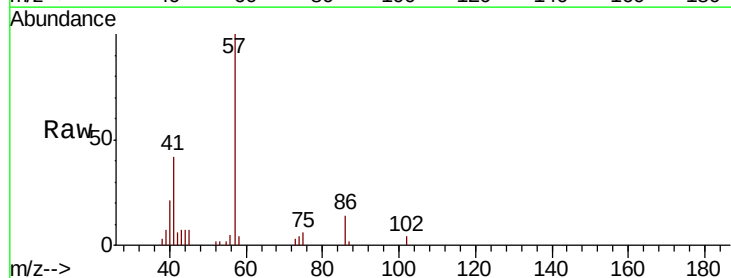
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

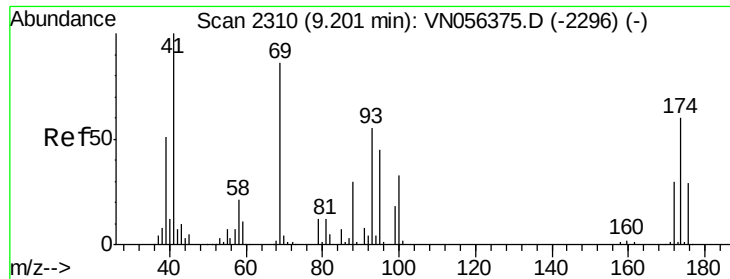
Tot Ion: 63 Resp: 1879
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 2.056 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion: 41 Resp: 8718
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 109.0#
 39 0.0 42.6 63.8#





#49

1,4-Dioxane

Concen: 1.466 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

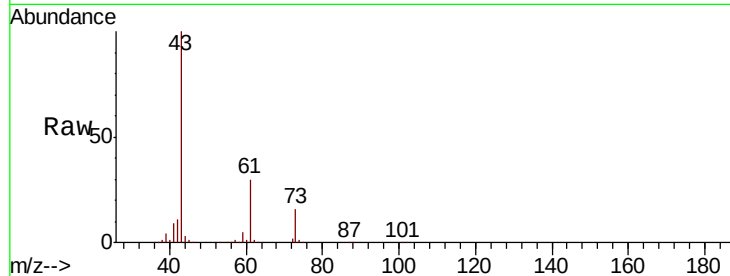
Tot Ion: 88 Resp: 129

Ion Ratio Lower Upper

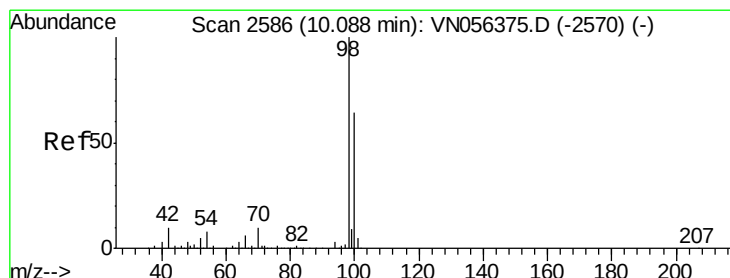
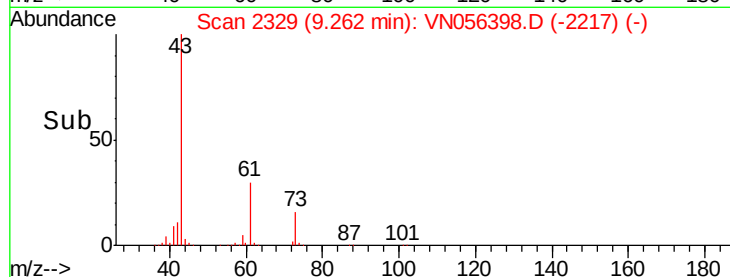
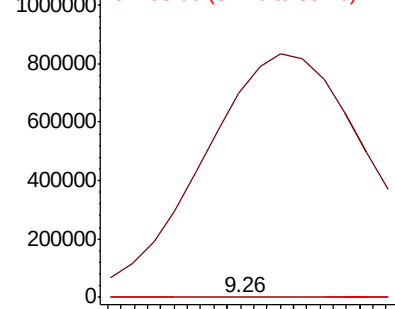
88 100

43 1191102.3 22.0 33.0#

58 4644.2 51.8 77.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 51.773 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056398.D

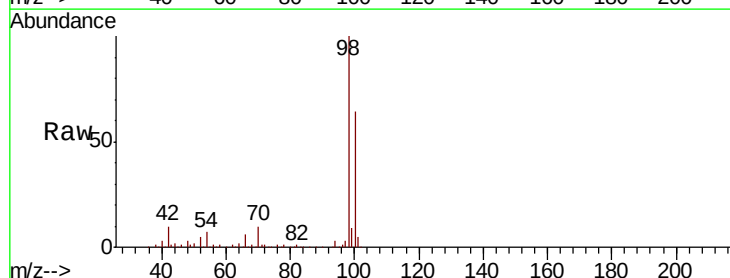
Acq: 20 Jun 2019 13:29

Tgt Ion: 98 Resp: 797390

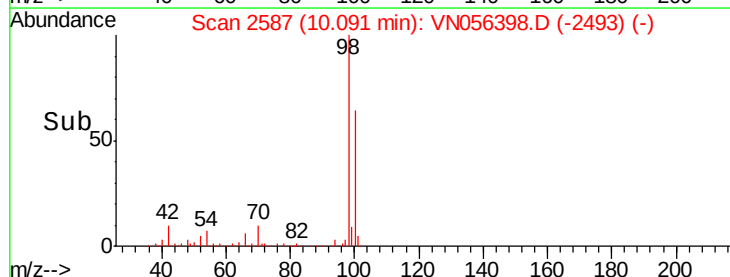
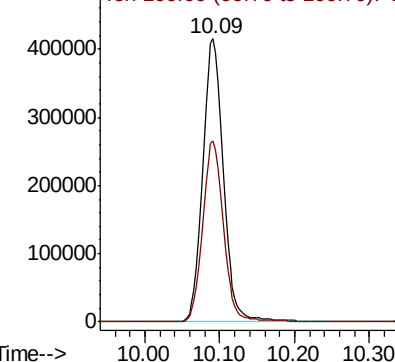
Ion Ratio Lower Upper

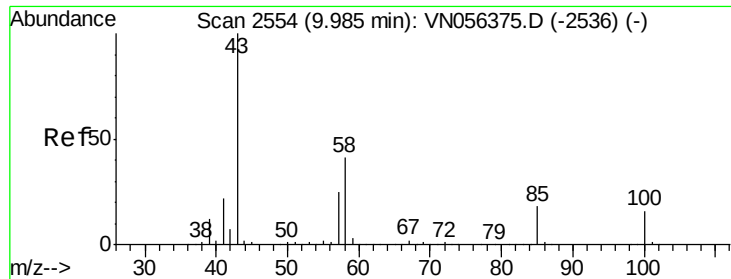
98 100

100 63.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.916 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

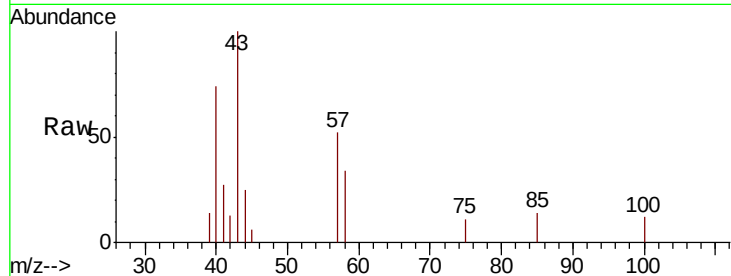
TP-5-DUCT-BANK

Tot Ion: 43 Resp: 5003

Ion Ratio Lower Upper

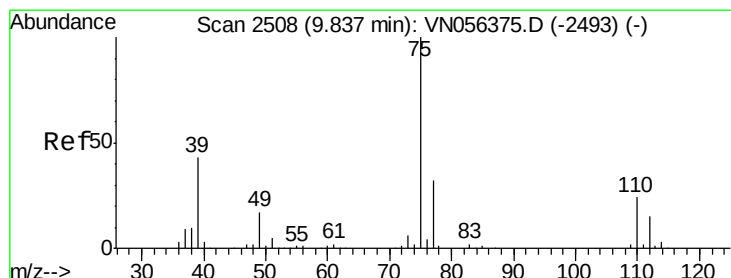
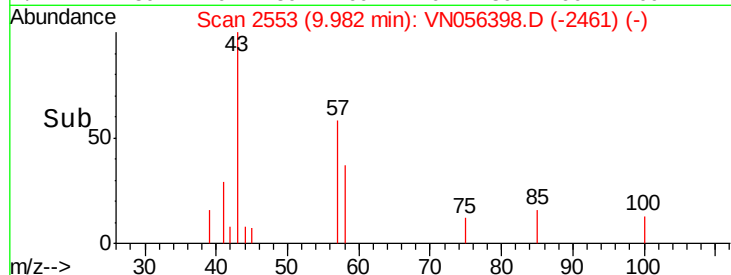
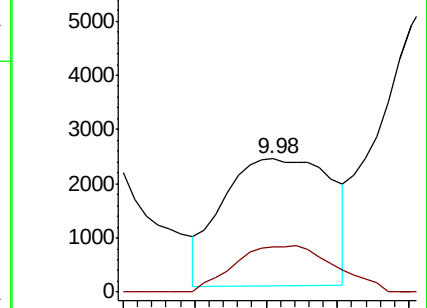
43 100

58 33.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 9.560 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

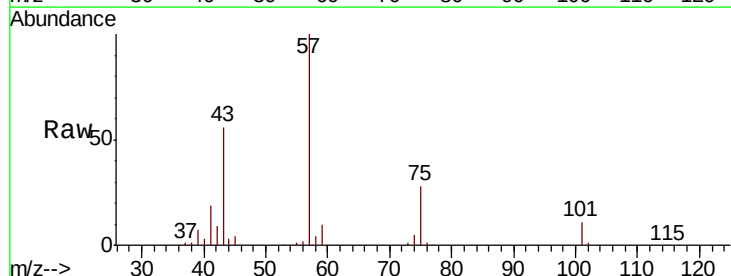
Tgt Ion: 75 Resp: 58689

Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

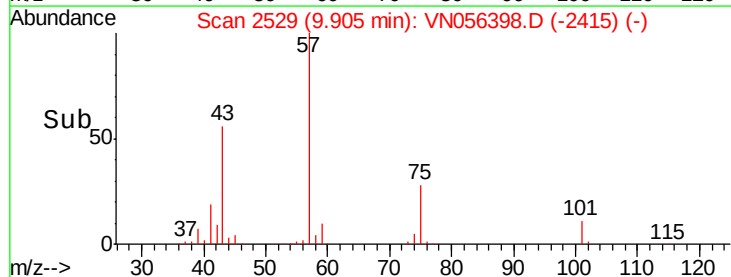
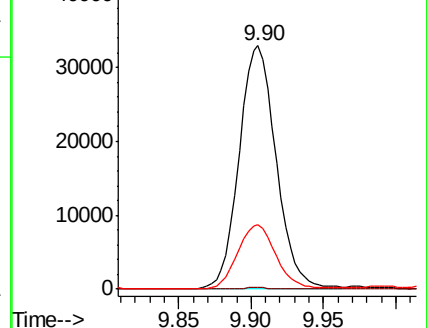
39 26.2 34.2 51.4#

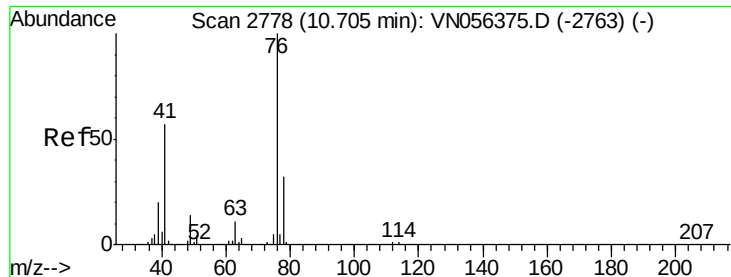


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

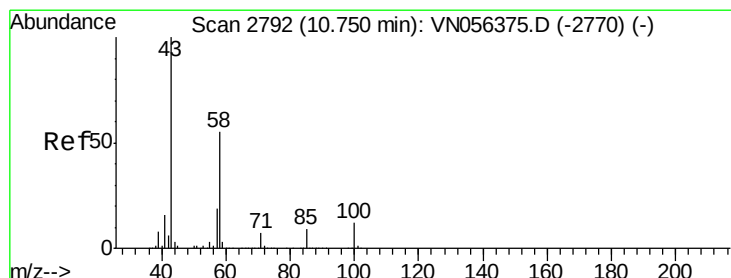
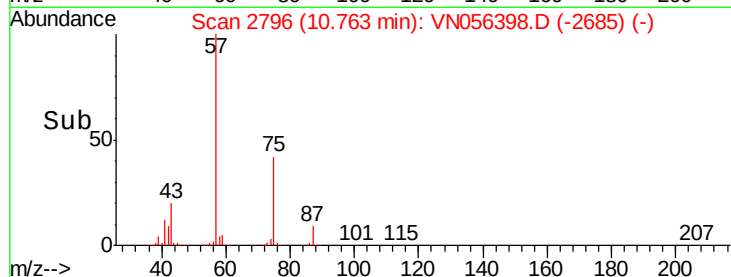
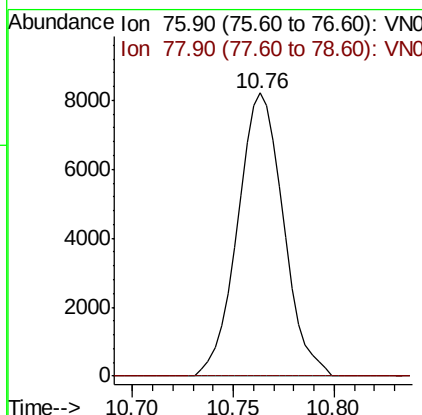
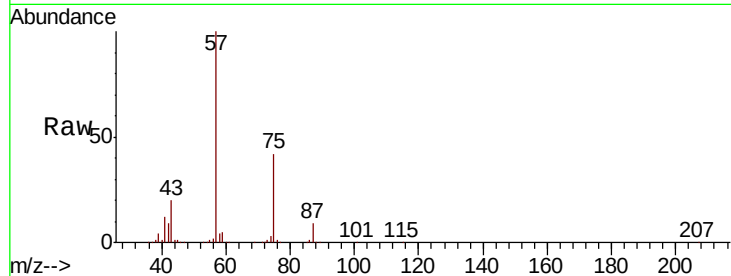




#57
 1,3-Dichloropropane
 Concen: 1.838 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

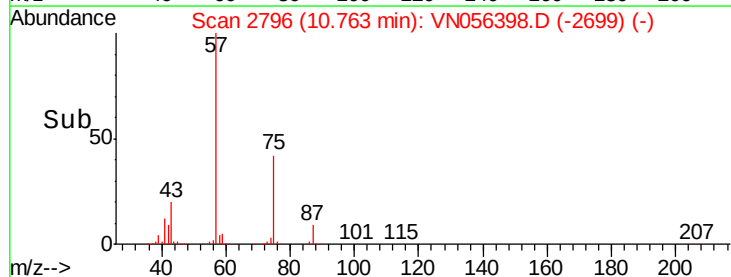
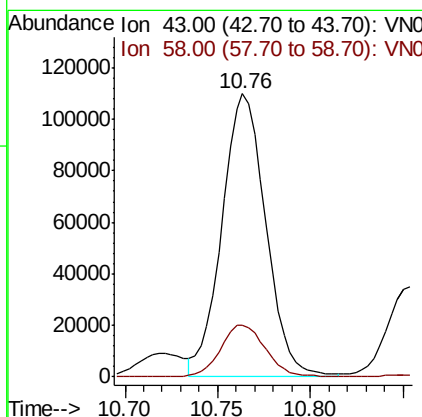
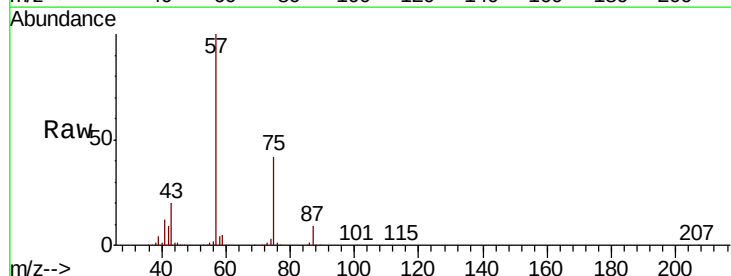
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

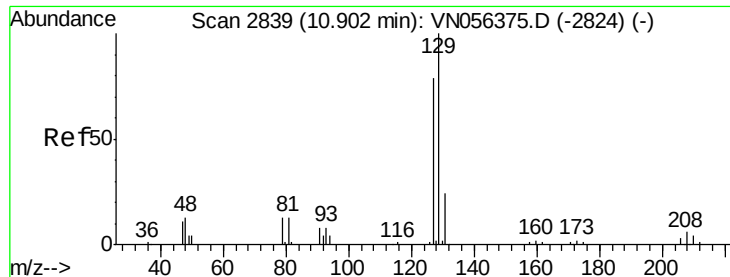
Tot Ion: 76 Resp: 13036
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 44.572 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion: 43 Resp: 178933
 Ion Ratio Lower Upper
 43 100
 58 19.2 27.8 83.4#





#60

Dibromochloromethane

Concen: 2.715 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

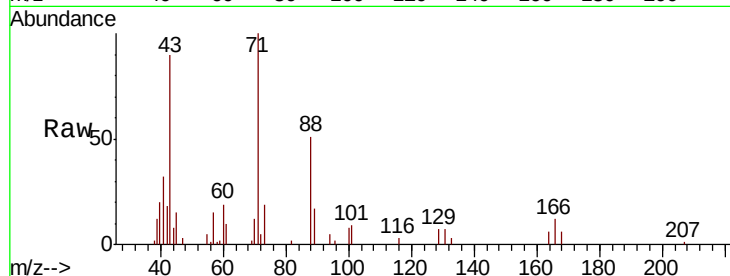
TP-5-DUCT-BANK

Tot Ion:129 Resp: 1518

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

800

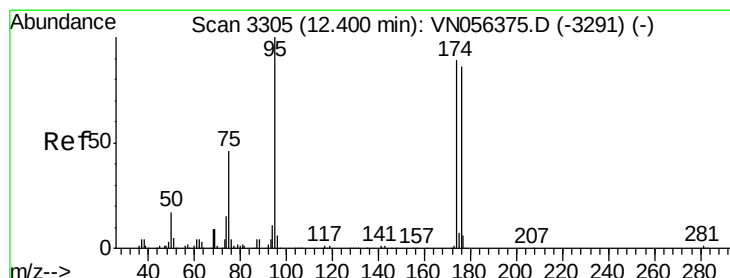
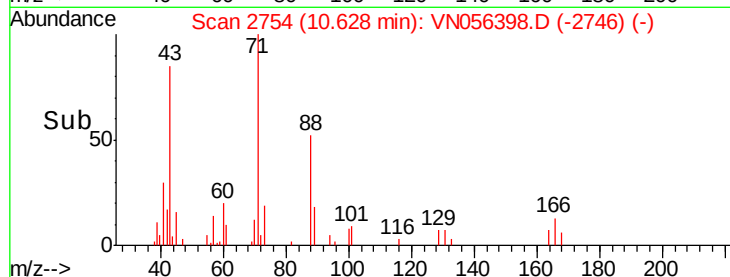
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.032 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

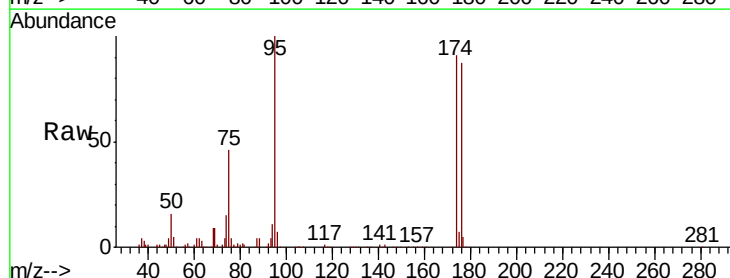
Tgt Ion: 95 Resp: 262008

Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.4

176 87.9 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

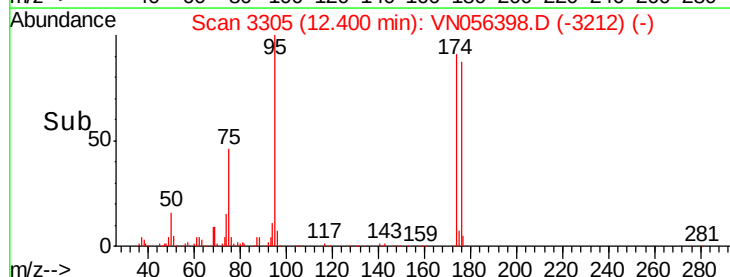
150000

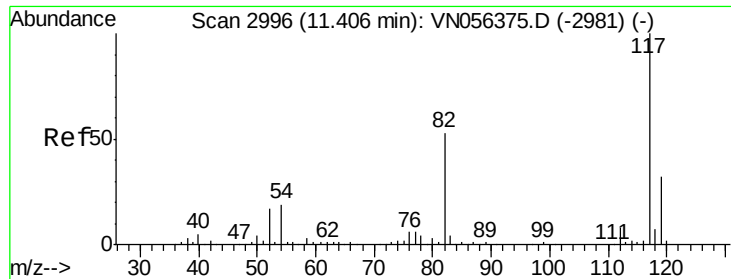
100000

50000

0

Time-->

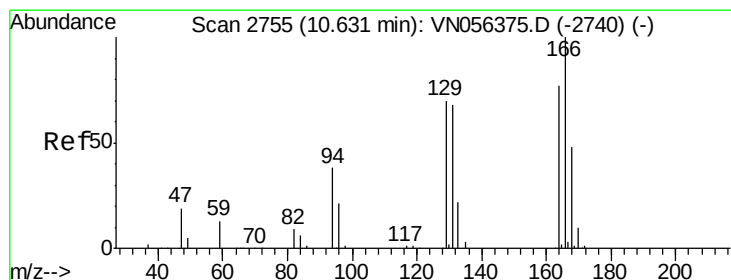
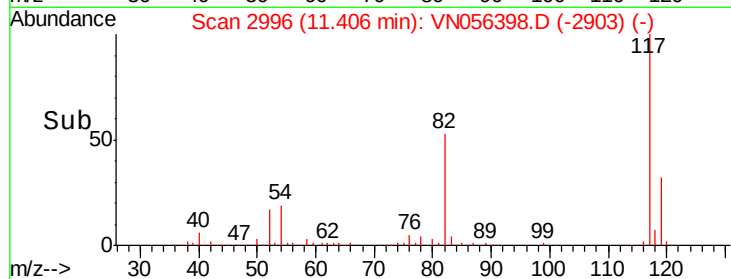
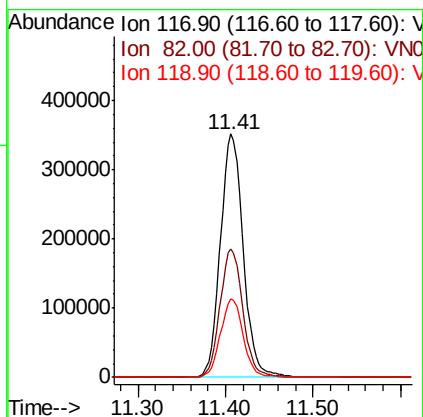
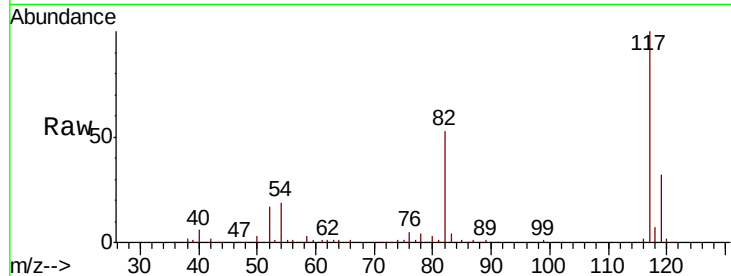




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

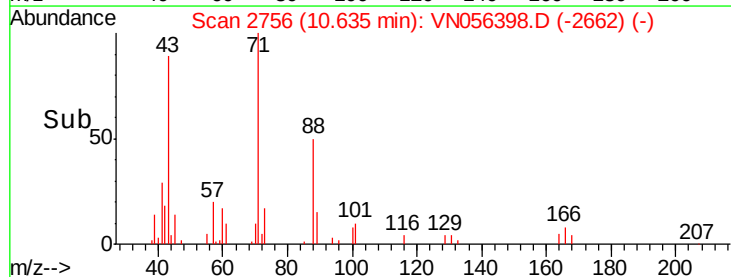
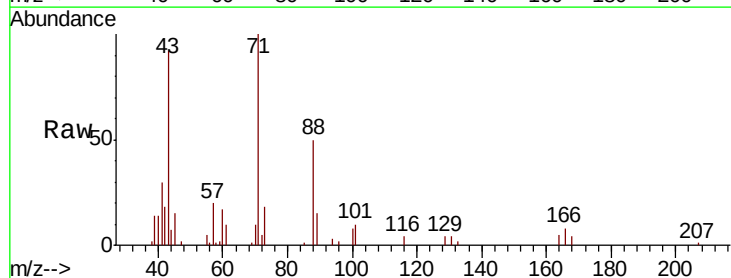
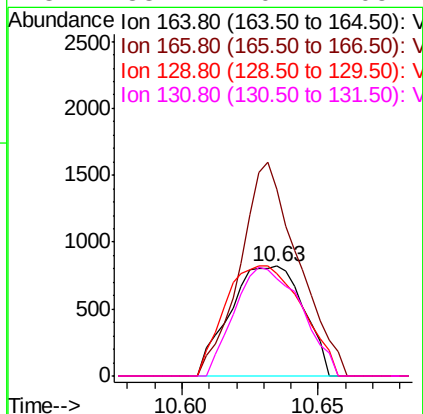
Instrument :
MSVOA_N
ClientSampleId :
TP-5-DUCT-BANK

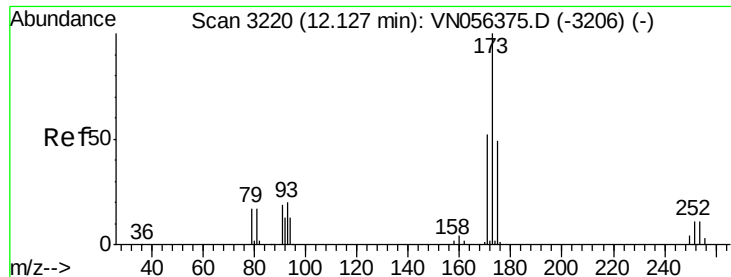
Tot Ion:117 Resp: 637705
Ion Ratio Lower Upper
117 100
82 52.9 42.0 63.0
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 0.303 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN056398.D
Acq: 20 Jun 2019 13:29

Tgt Ion:164 Resp: 1529
Ion Ratio Lower Upper
164 100
166 169.8 103.4 155.0#
129 93.8 72.0 108.0
131 88.1 70.2 105.2





#71

Bromoform

Concen: 3.291 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

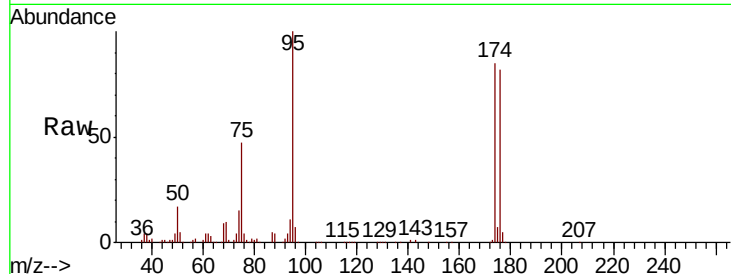
Tot Ion:173 Resp: 552

Ion Ratio Lower Upper

173 100

175 2699.3 24.4 73.4#

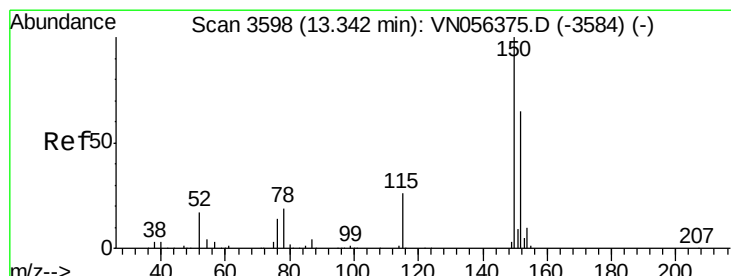
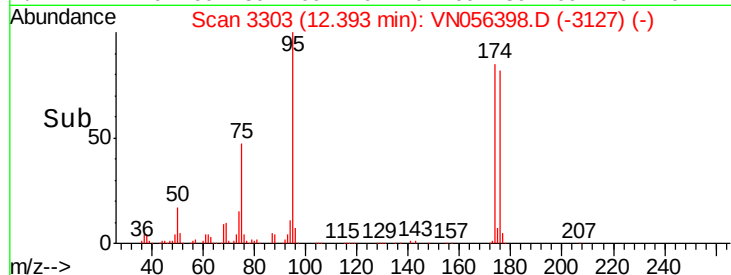
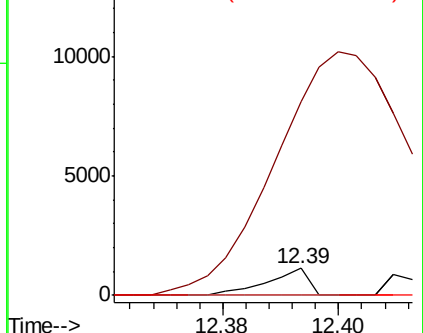
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

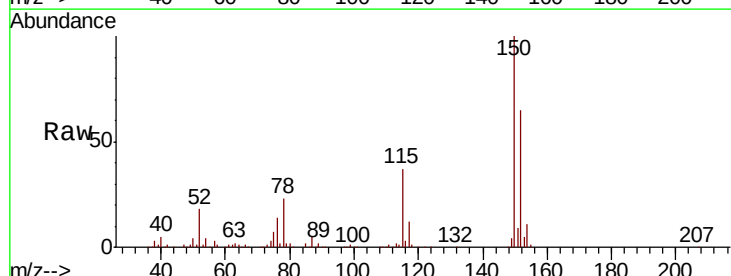
Tgt Ion:152 Resp: 196209

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.4

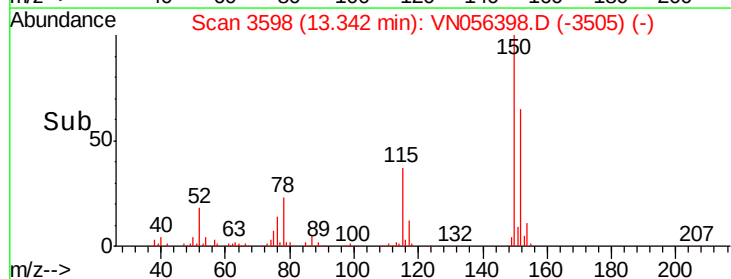
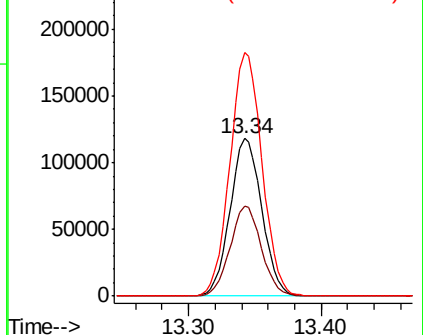
150 156.2 0.0 348.4

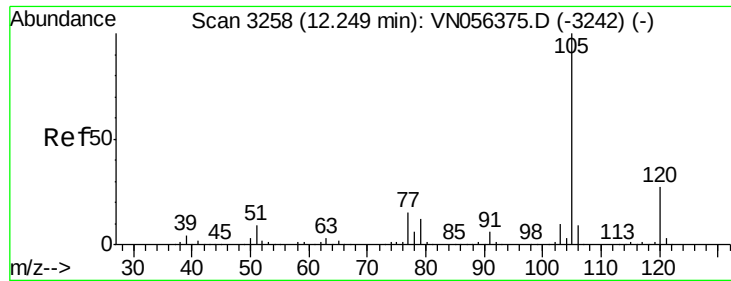


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

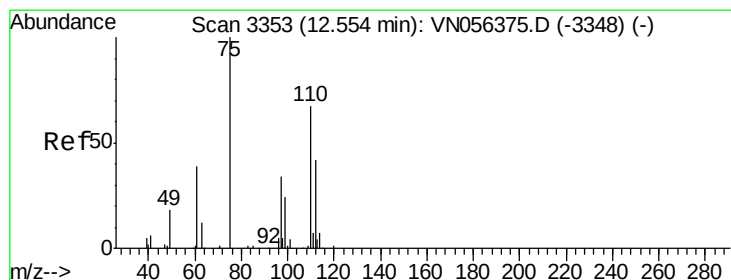
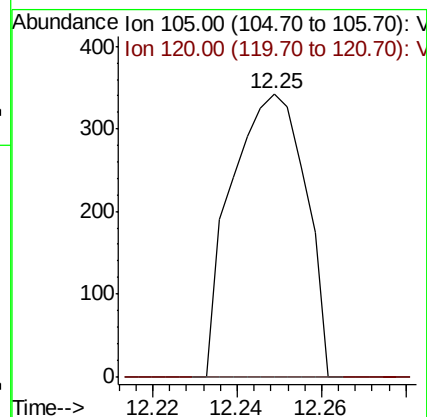
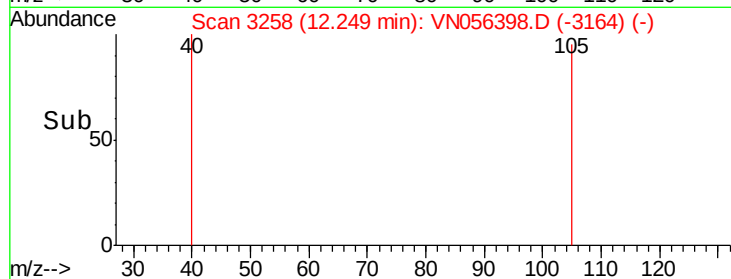
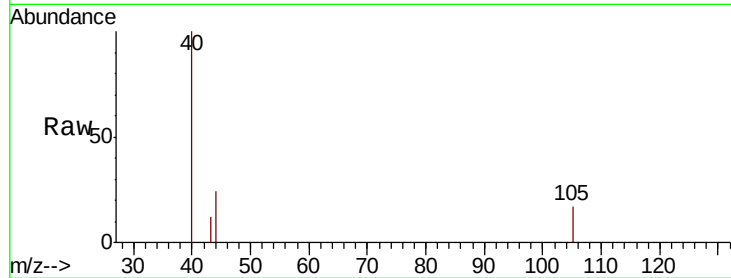
TP-5-DUCT-BANK

Tot Ion:105 Resp: 414

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 30.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056398.D

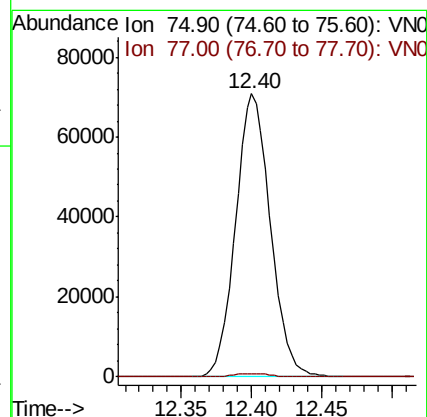
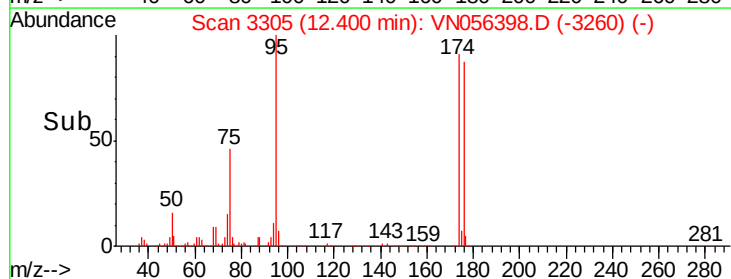
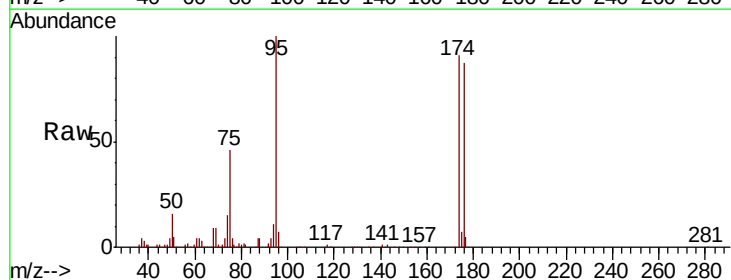
Acq: 20 Jun 2019 13:29

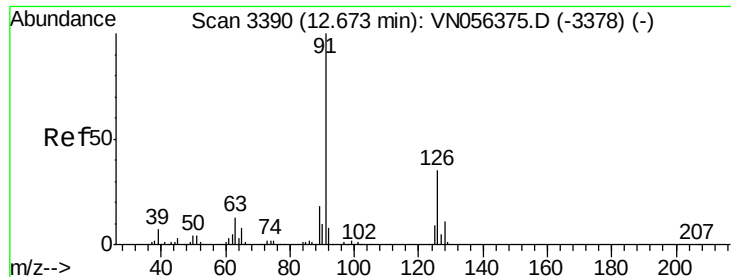
Tgt Ion: 75 Resp: 122099

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

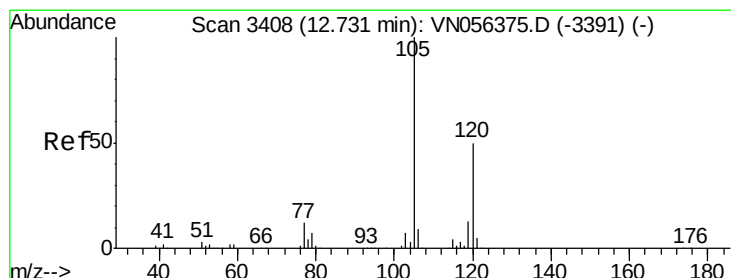
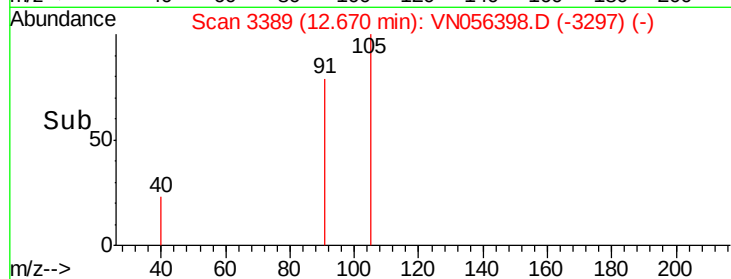
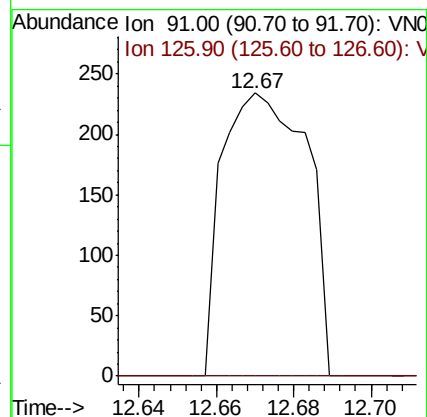
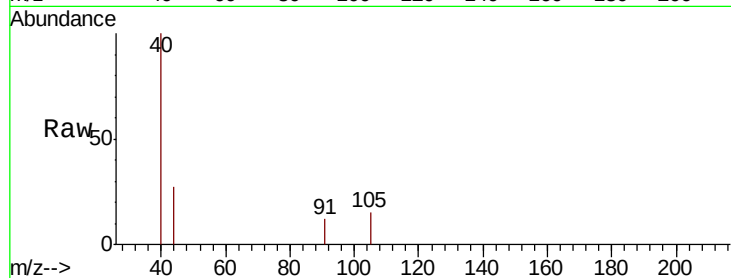
TP-5-DUCT-BANK

Tot Ion: 91 Resp: 357

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN056398.D

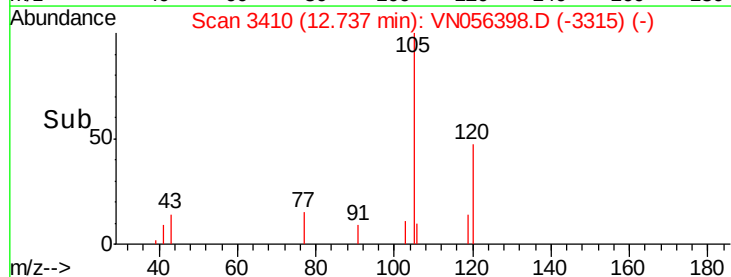
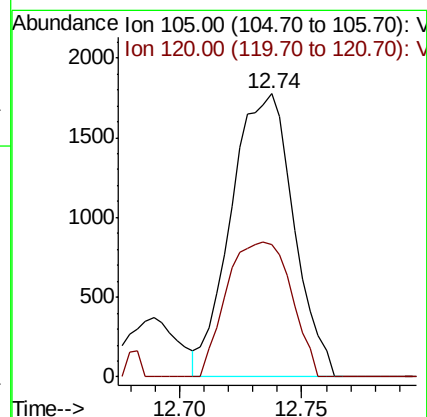
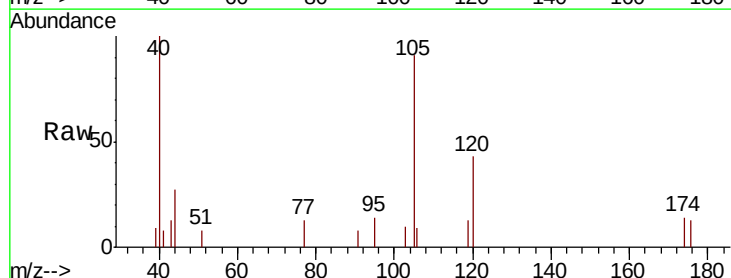
Acq: 20 Jun 2019 13:29

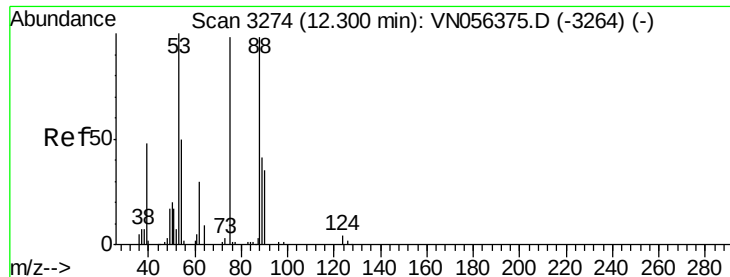
Tgt Ion: 105 Resp: 3155

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 106.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

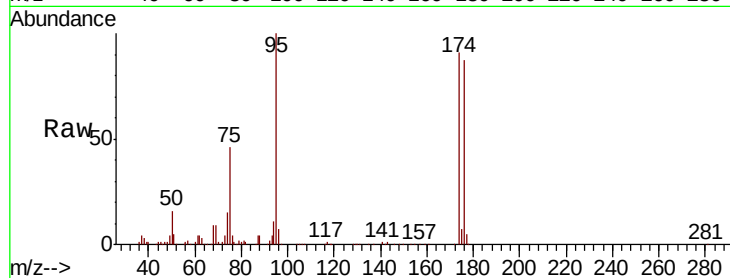
Tot Ion: 75 Resp: 122099

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

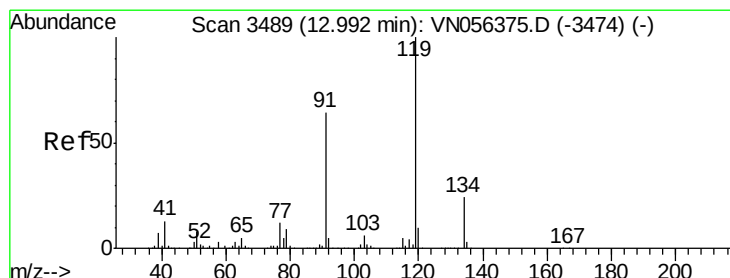
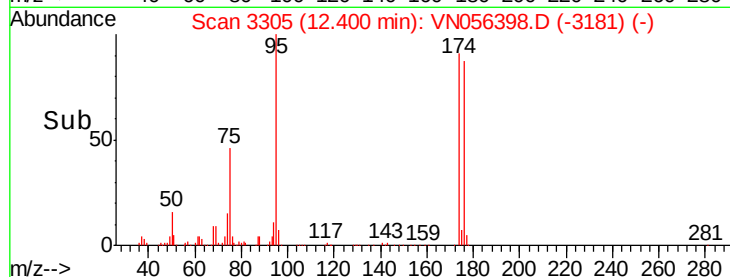
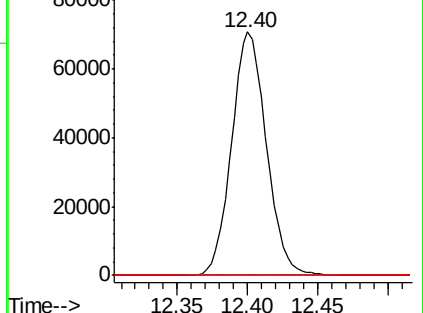
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.98 min Scan# 3486

Delta R.T. -0.01 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

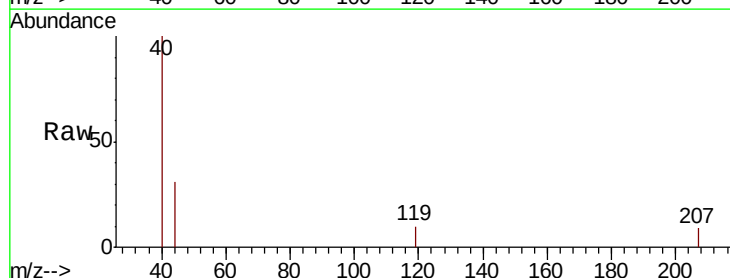
Tgt Ion: 119 Resp: 136

Ion Ratio Lower Upper

119 100

91 0.0 31.6 94.7#

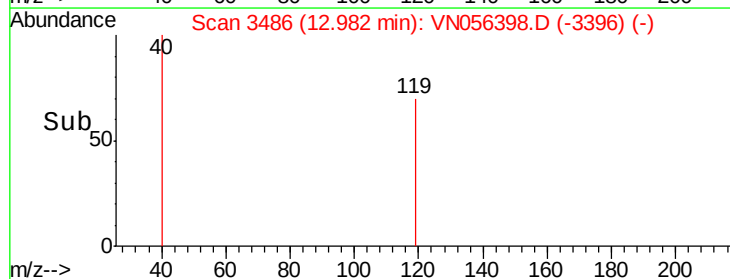
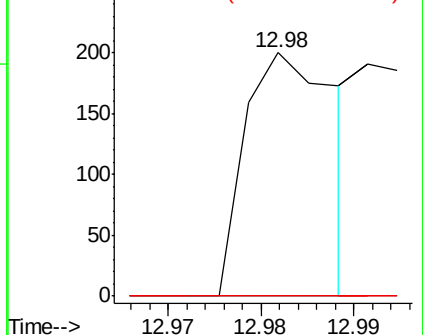
134 0.0 13.2 39.5#

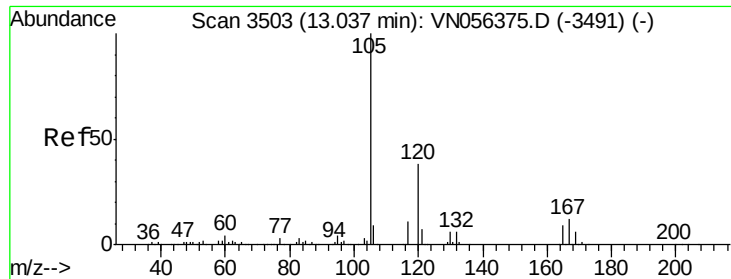


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

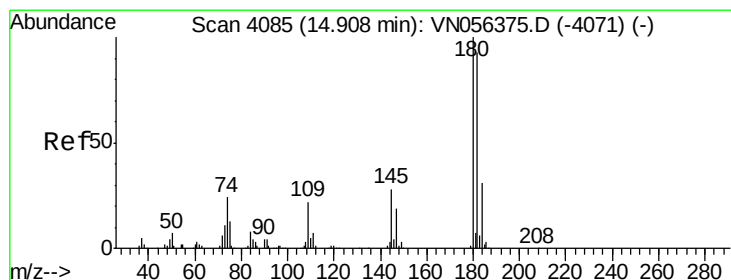
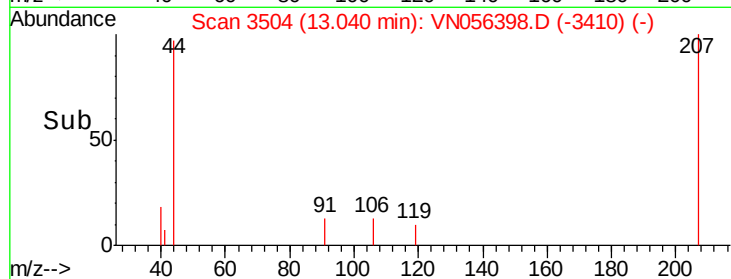
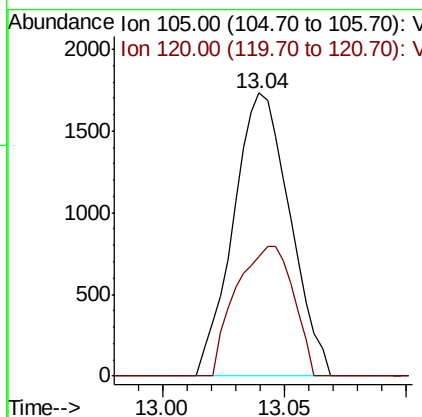
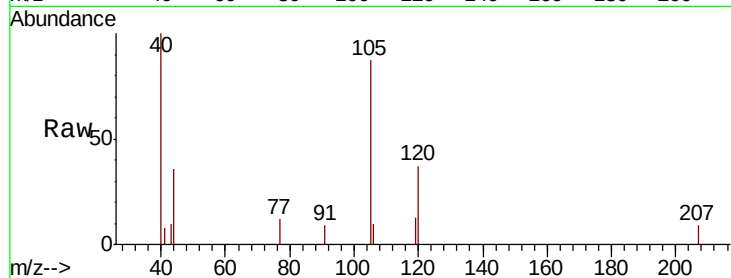




#84
 1,2,4-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

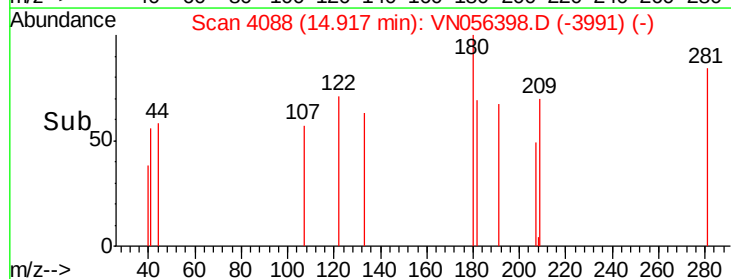
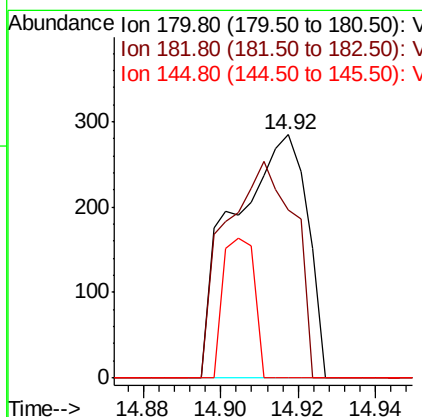
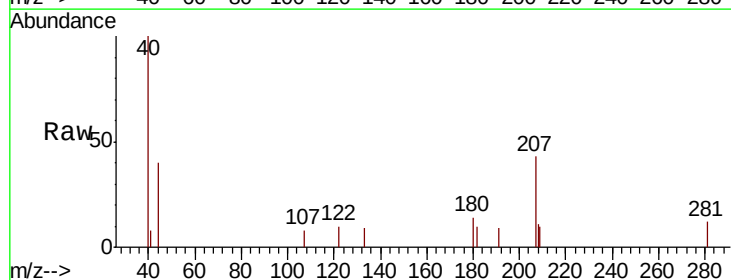
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

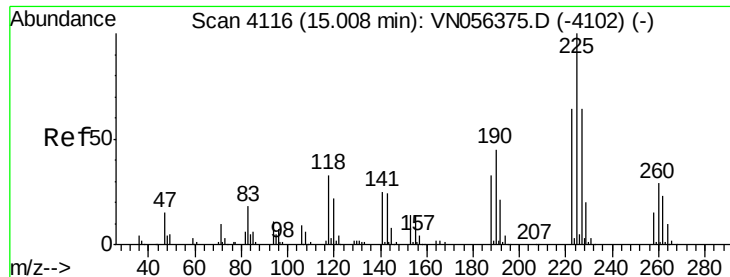
Tot Ion:105 Resp: 2787
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8



#93
 1,2,4-Trichlorobenzene
 Concen: 5.711 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Tgt Ion:180 Resp: 376
 Ion Ratio Lower Upper
 180 100
 182 83.2 46.9 140.6
 145 23.9 14.4 43.0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5-DUCT-BANK

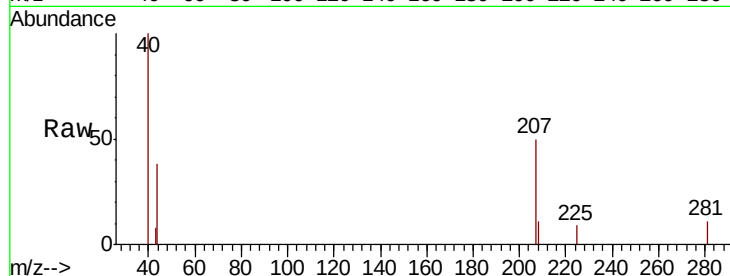
Tot Ion:225 Resp: 65

Ion Ratio Lower Upper

225 100

223 147.7 31.4 94.3#

227 0.0 32.1 96.3#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

250

200

150

100

50

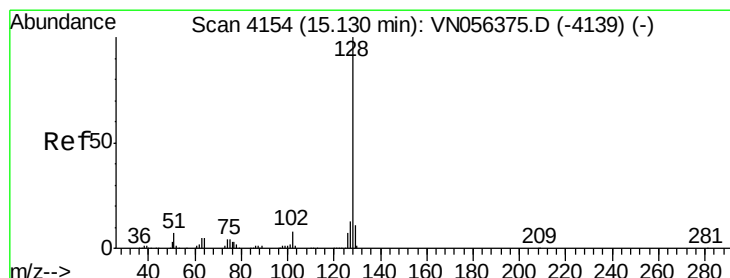
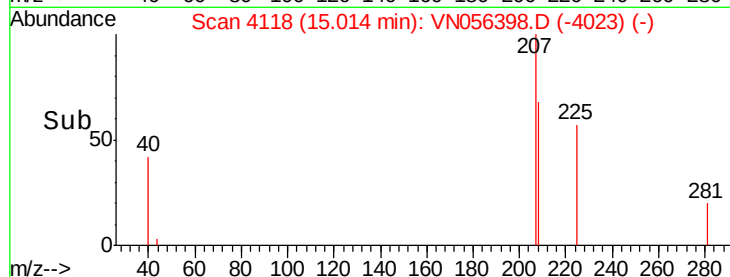
0

15.00

15.01

15.02

Time-->



#95

Naphthalene

Concen: 5.595 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056398.D

Acq: 20 Jun 2019 13:29

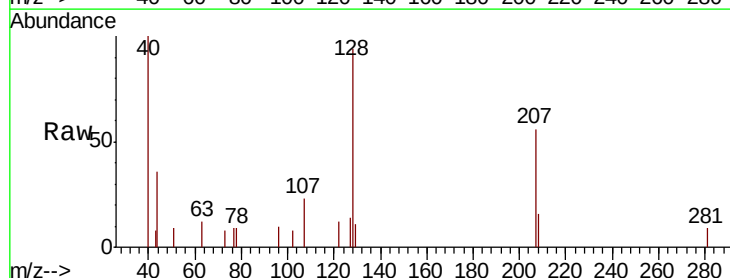
Tgt Ion:128 Resp: 3512

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.2

129 7.6 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

2500

2000

1500

1000

500

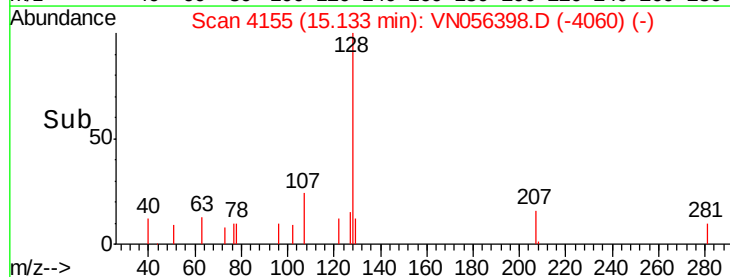
0

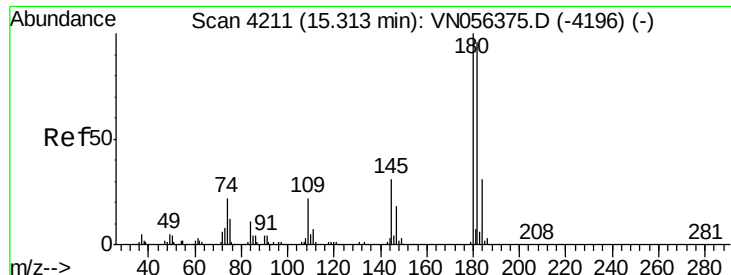
15.10

15.13

15.15

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 4.608 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056398.D
 Acq: 20 Jun 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-DUCT-BANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.3	144.8
145	0.0	15.4	46.1#

