

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056455.D
 Acq On : 24 Jun 2019 14:59
 Operator : JC/SP
 Sample : K3500-06
 Misc : 7.04µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(7.5-8)

Quant Time: Jun 25 01:20:45 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	7.66	168	343952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	582965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	192230	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.59	113	162087	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	10.09	98	713968	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	244274	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	1334	0.348	ug/l #	88
5) Bromomethane	2.52	94	699	0.311	ug/l #	79
6) Chloroethane	2.60	64	520	0.234	ug/l #	42
11) Tert butyl alcohol	4.74	59	10235	15.941	ug/l #	74
13) Acrolein	3.61	56	155	0.286	ug/l #	14
16) Acetone	3.83	43	19719	10.325	ug/l	97
18) Methyl Acetate	4.32	43	76254	19.862	ug/l #	76
20) Methylene Chloride	4.54	84	1998	Below Cal		91
25) 2-Butanone	6.85	43	39410	15.591	ug/l	93
27) cis-1,2-Dichloroethene	6.82	96	24849	6.484	ug/l	91
29) Tetrahydrofuran	7.23	42	333	0.216	ug/l #	63
31) Cyclohexane	7.66	56	8609	1.462	ug/l #	3
36) 1,1-Dichloropropene	7.66	75	22454	4.376	ug/l #	49
37) Ethyl Acetate	6.85	43	39410	7.815	ug/l #	69
38) Carbon Tetrachloride	7.66	117	30704	6.843	ug/l #	15
39) Methylcyclohexane	9.08	83	5264	0.831	ug/l	93
40) Benzene	8.04	78	20941	1.327	ug/l	99
41) Methacrylonitrile	7.23	41	525	0.236	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	203230	40.495	ug/l	100
52) Toluene	10.16	92	61625	6.386	ug/l	100
53) t-1,3-Dichloropropene	10.28	75	188	2.924	ug/l #	43
55) 1,1,2-Trichloroethane	10.52	97	788	0.203	ug/l #	15
59) 2-Hexanone	10.76	43	2936	0.796	ug/l	96
60) Dibromochloromethane	10.63	129	620	2.530	ug/l #	10
67) Ethyl Benzene	11.51	91	71920	3.677	ug/l	99
68) m/p-Xylenes	11.62	106	97927	13.663	ug/l	99
69) o-Xylene	11.95	106	84337	11.894	ug/l	99
70) Styrene	11.95	104	5555	0.490	ug/l #	1
71) Bromoform	12.40	173	1698	3.667	ug/l #	1
73) Isopropylbenzene	12.25	105	14402	Below Cal		100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	112910	24.182	ug/l #	100
78) n-propylbenzene	12.59	91	45409	2.202	ug/l	99
79) 2-Chlorotoluene	12.65	91	15572	Below Cal	#	42

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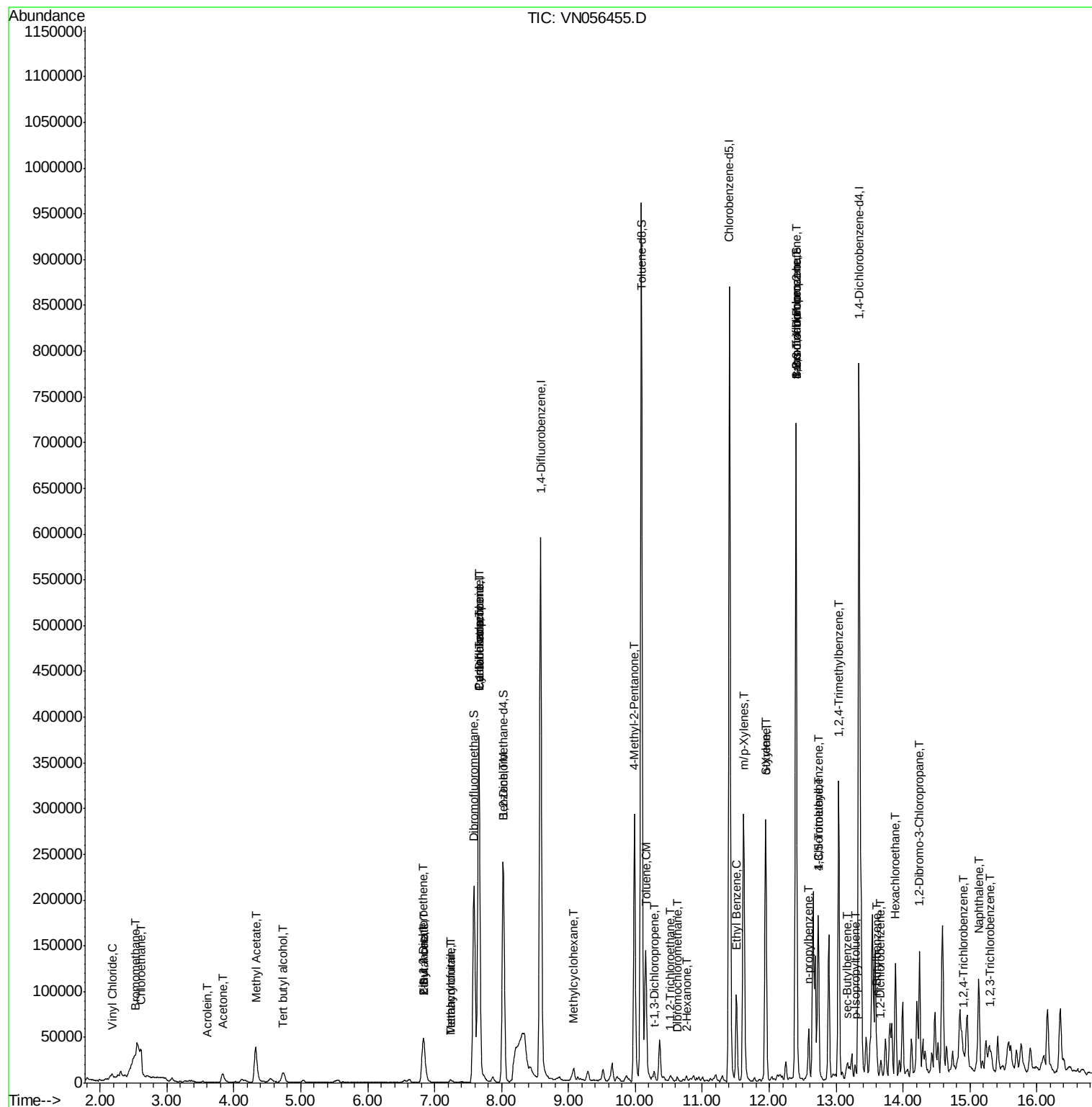
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	94081	4.586	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	112910	85.947	ug/l #	8
82) 4-Chlorotoluene	12.73	91	8115	0.666	ug/l #	40
83) tert-Butylbenzene	12.99	119	1168	Below Cal	#	82
84) 1,2,4-Trimethylbenzene	13.04	105	193075	12.737	ug/l	98
85) sec-Butylbenzene	13.17	105	10606	0.585	ug/l #	75
86) p-Isopropyltoluene	13.28	119	6680	0.429	ug/l	99
89) n-Butylbenzene	13.61	91	10253	0.871	ug/l #	65
90) Hexachloroethane	13.89	117	6847	2.823	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	1606	0.212	ug/l	81
92) 1,2-Dibromo-3-Chloropropan	14.25	75	518	0.622	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3268	6.350	ug/l #	55
94) Hexachlorobutadiene	15.01	225	665	Below Cal		99
95) Naphthalene	15.13	128	85734	12.693	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	4440	5.471	ug/l #	84

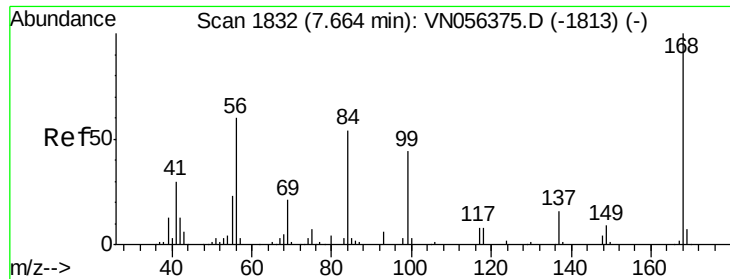
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

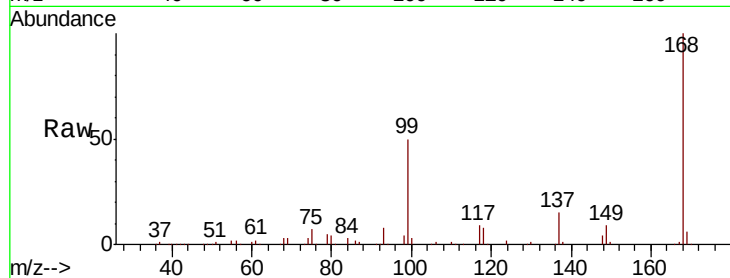
B-6(7.5-8)

Tot Ion:168 Resp: 343952

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

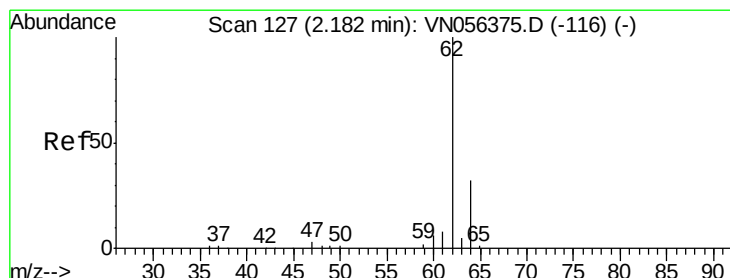
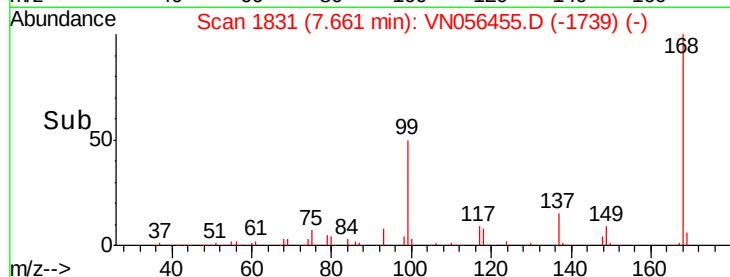
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.348 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN056455.D

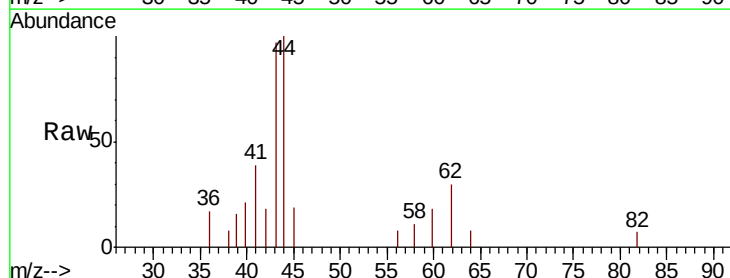
Acq: 24 Jun 2019 14:59

Tgt Ion: 62 Resp: 1334

Ion Ratio Lower Upper

62 100

64 25.4 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.18

800

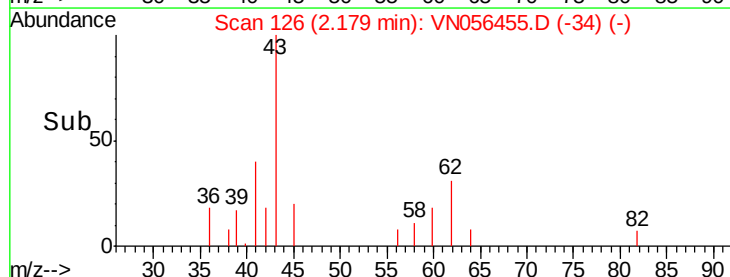
600

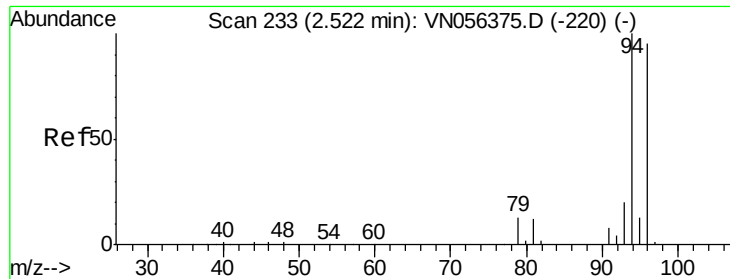
400

200

0

Time-->

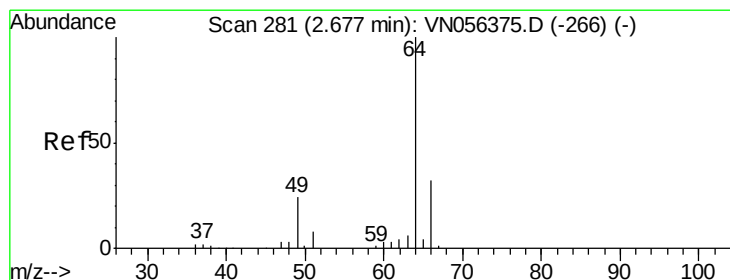
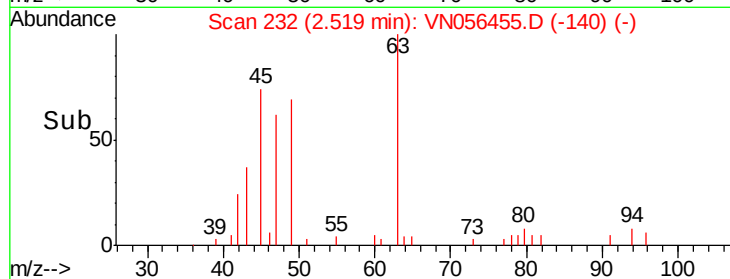
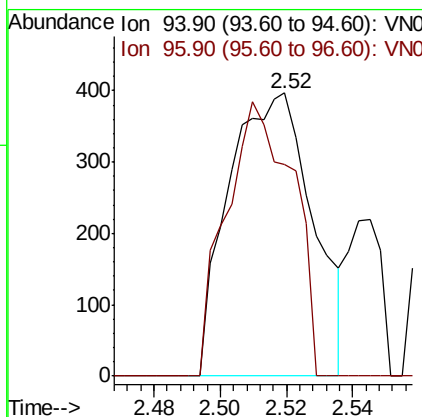
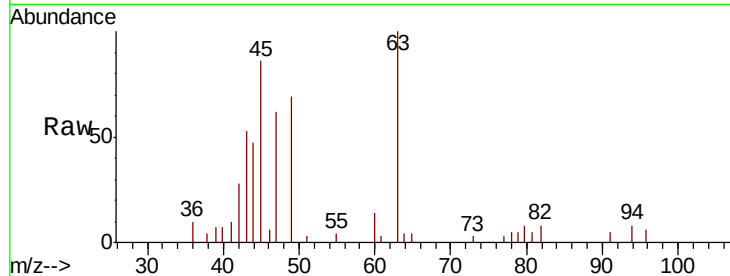




#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

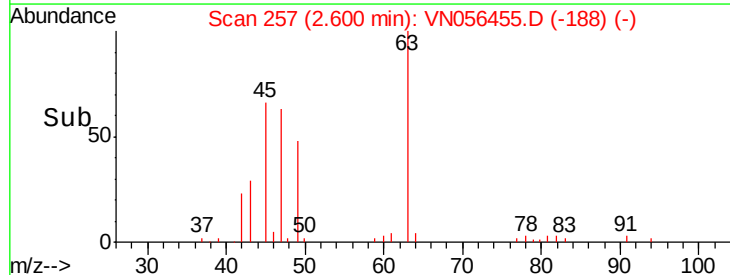
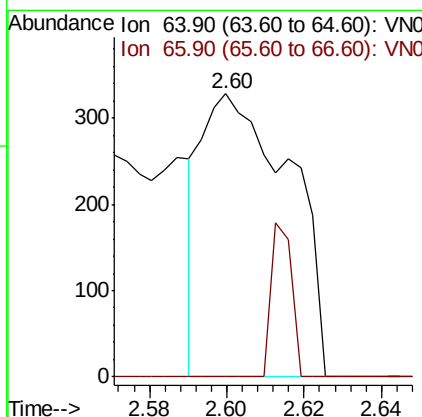
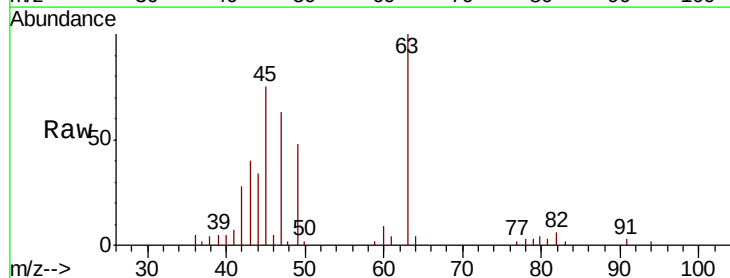
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

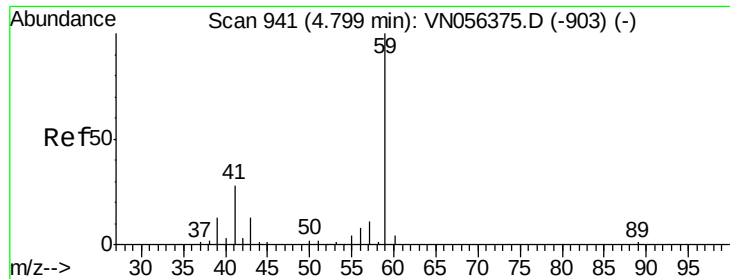
Tot Ion: 94 Resp: 699
Ion Ratio Lower Upper
94 100
96 74.6 76.0 114.0#



#6
Chloroethane
Concen: 0.234 ug/l
RT: 2.60 min Scan# 257
Delta R.T. -0.08 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 64 Resp: 520
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

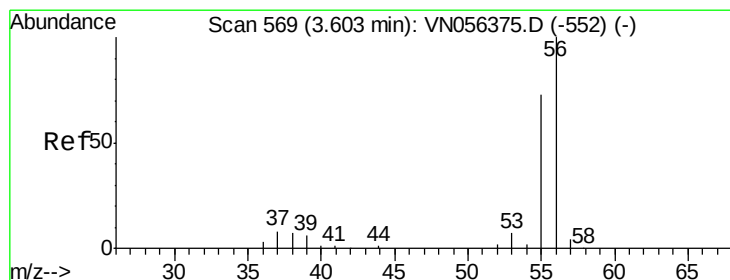
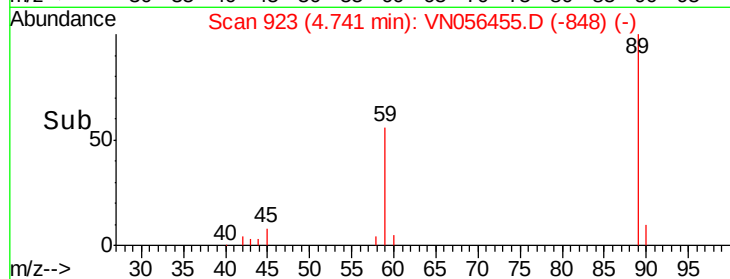
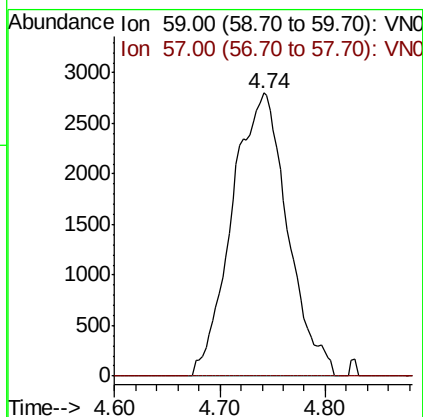
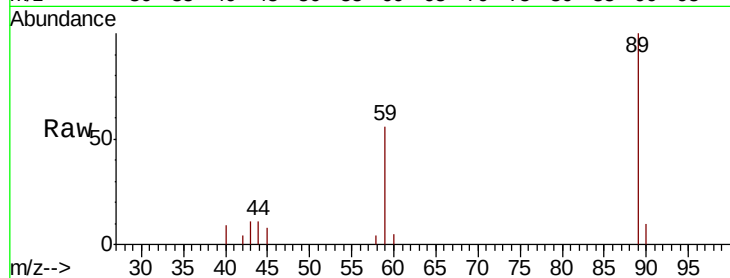




#11
Tert butyl alcohol
Concen: 15.941 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.06 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

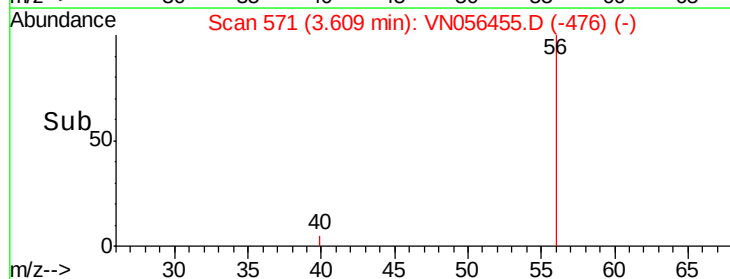
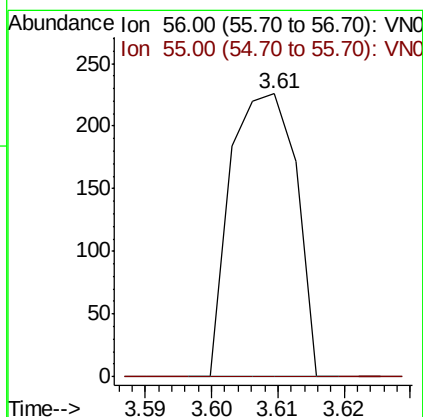
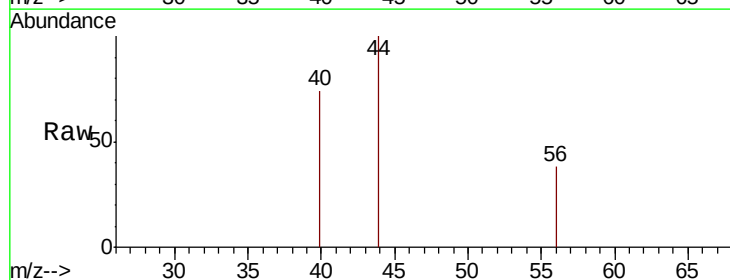
Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

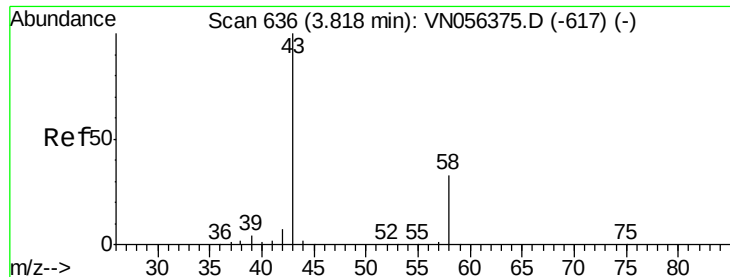
Tot Ion: 59 Resp: 10235
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#13
Acrolein
Concen: 0.286 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





#16

Acetone

Concen: 10.325 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

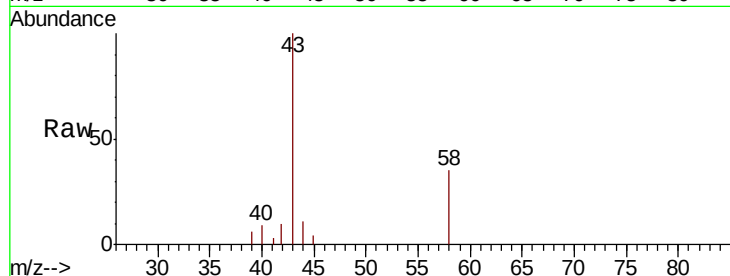
B-6(7.5-8)

Tot Ion: 43 Resp: 19719

Ion Ratio Lower Upper

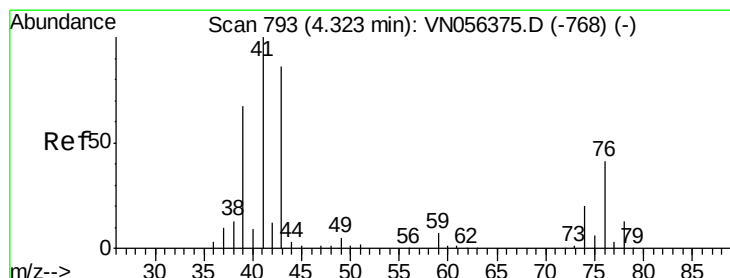
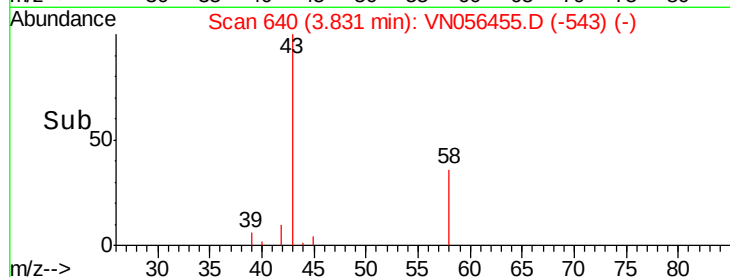
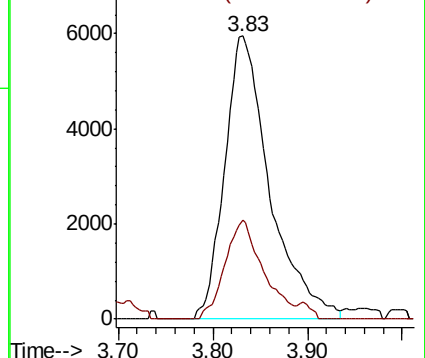
43 100

58 34.8 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: 19.862 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056455.D

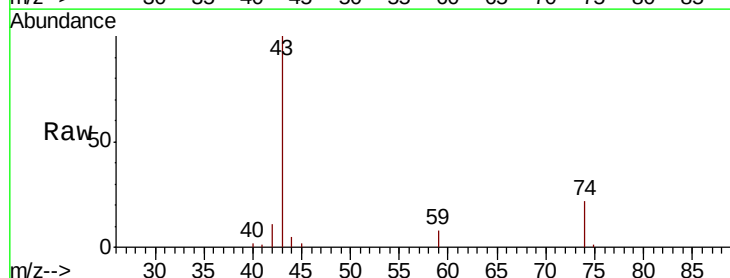
Acq: 24 Jun 2019 14:59

Tgt Ion: 43 Resp: 76254

Ion Ratio Lower Upper

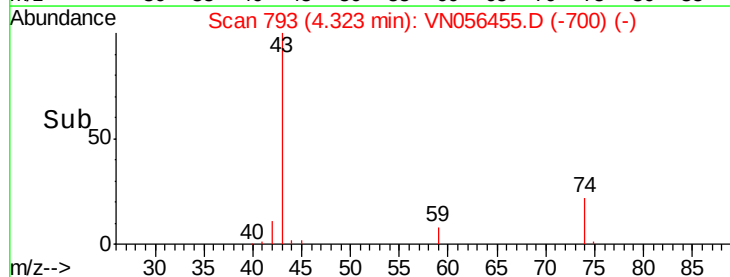
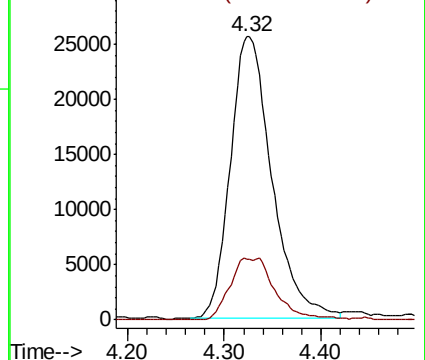
43 100

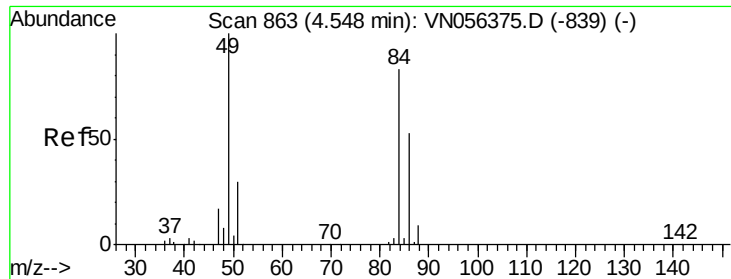
74 12.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

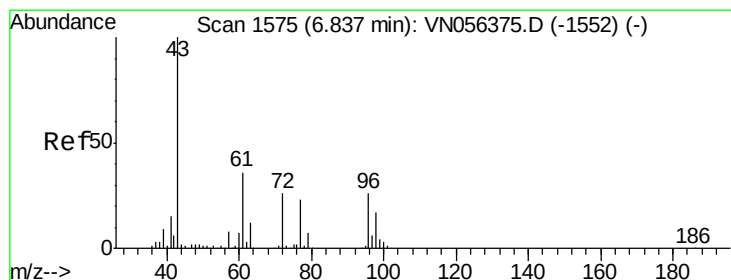
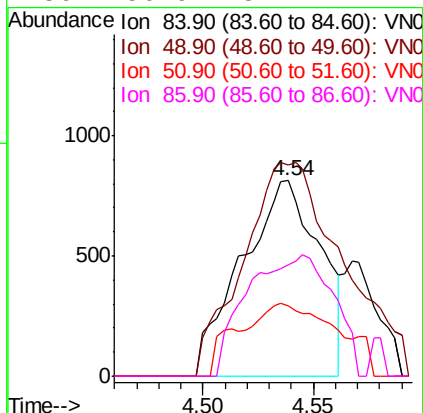
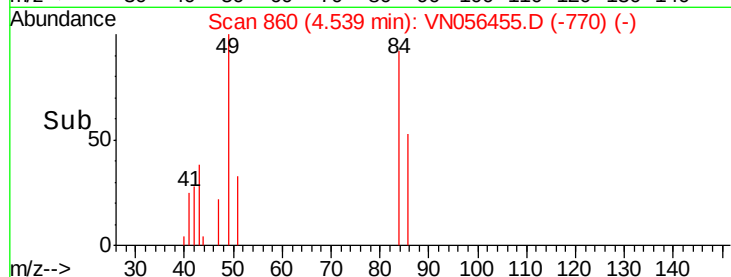
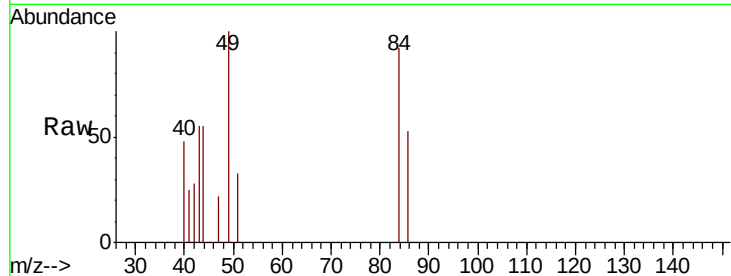




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

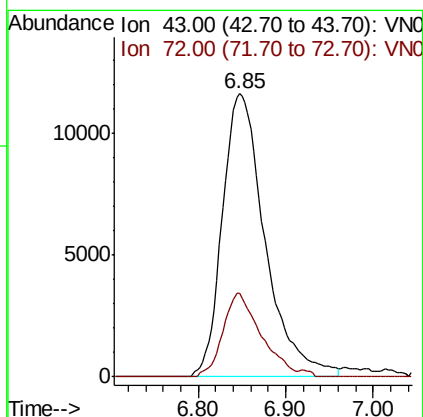
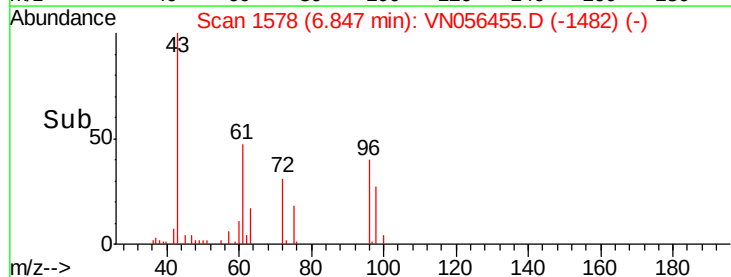
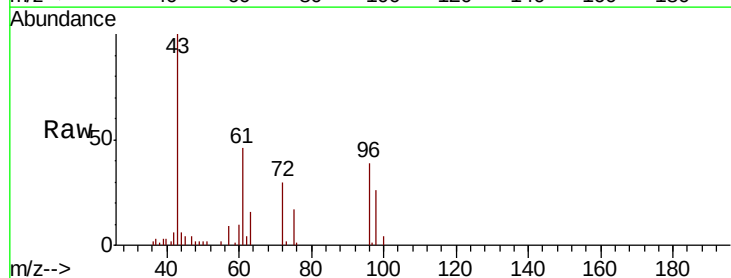
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B-6(7.5-8)

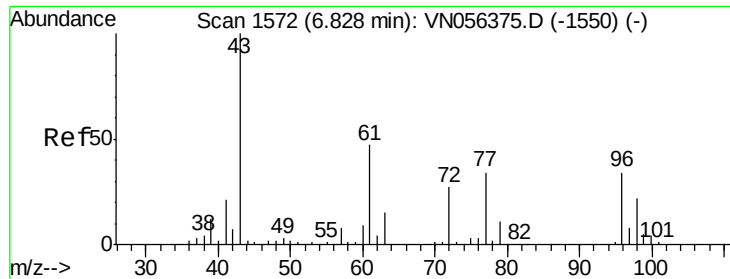
Tot Ion:	84	Resp:	1998
Ion	Ratio	Lower	Upper
84	100		
49	108.2	96.4	144.6
51	35.8	28.6	43.0
86	56.9	51.4	77.2



#25
2-Butanone
Concen: 15.591 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion:	43	Resp:	39410
Ion	Ratio	Lower	Upper
43	100		
72	29.6	20.6	31.0





#27

cis-1,2-Dichloroethene

Concen: 6.484 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

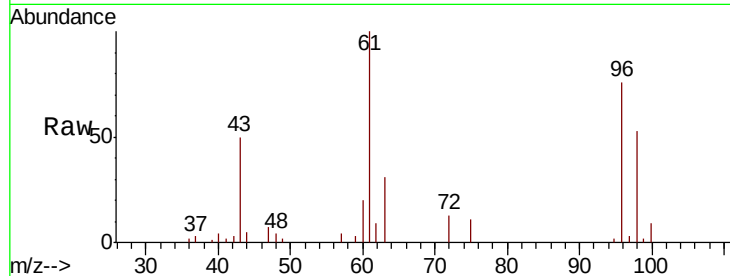
Tot Ion: 96 Resp: 24849

Ion Ratio Lower Upper

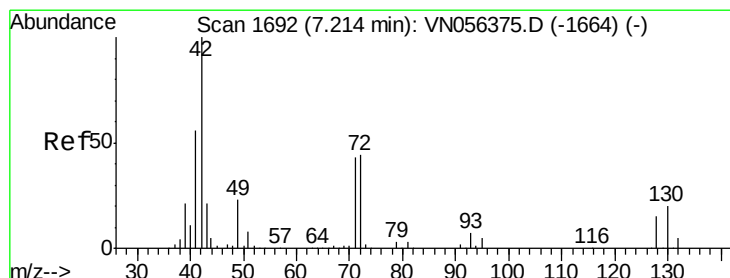
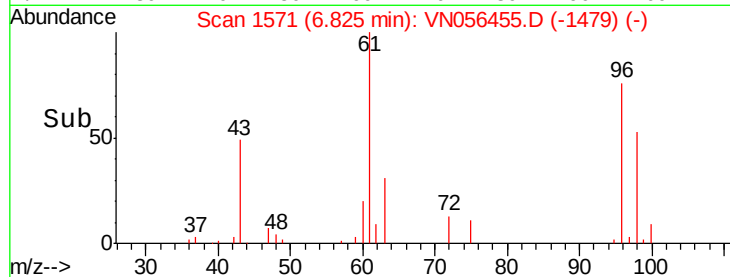
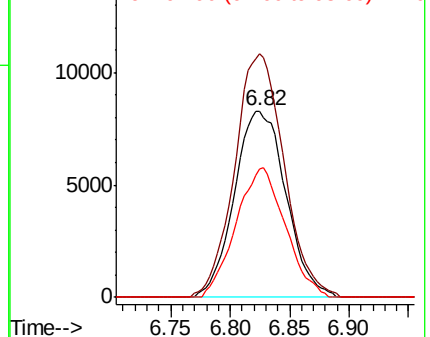
96 100

61 125.5 0.0 279.8

98 66.4 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

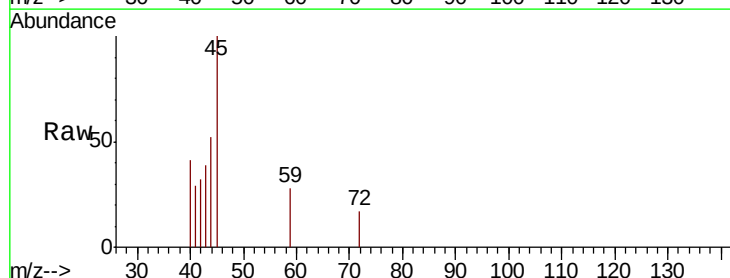
Tgt Ion: 42 Resp: 333

Ion Ratio Lower Upper

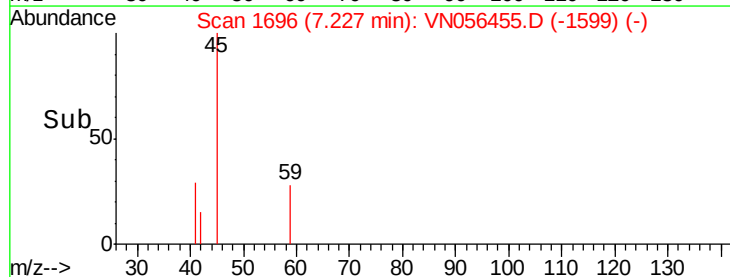
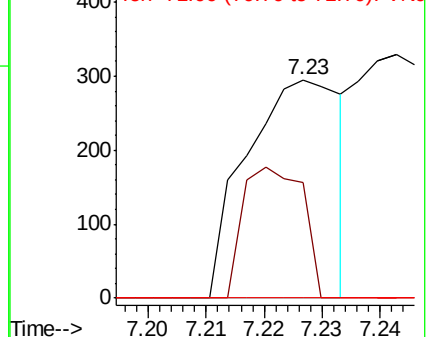
42 100

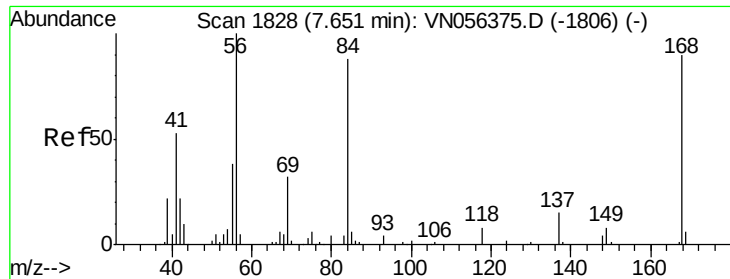
72 37.8 34.7 52.1

71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

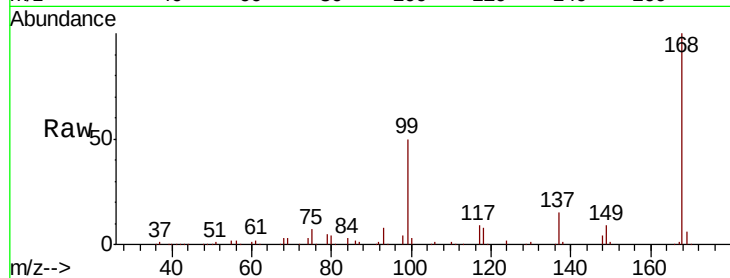




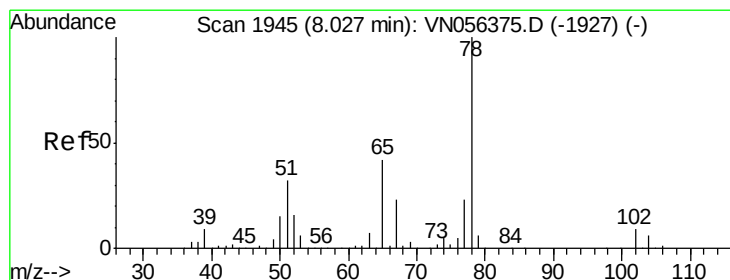
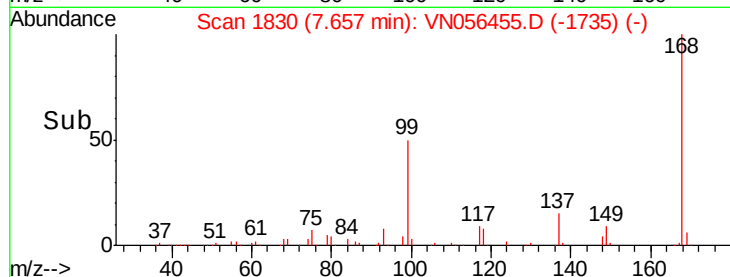
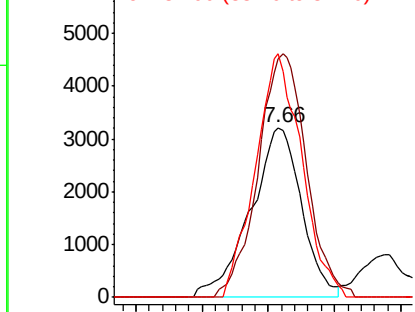
#31
Cyclohexane
Concen: 1.462 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

Tot Ion: 56 Resp: 8609
Ion Ratio Lower Upper
56 100
69 140.4 25.8 38.6#
84 143.3 69.4 104.0#

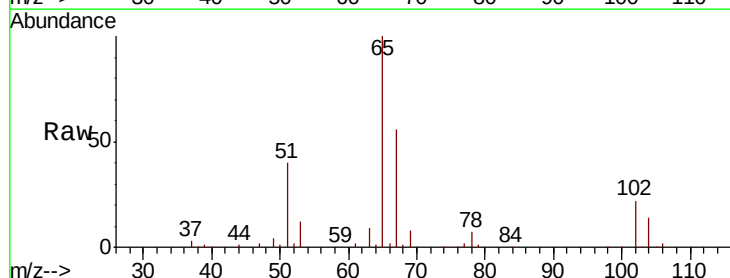


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

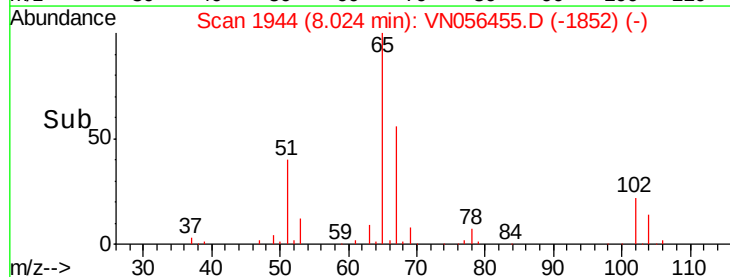
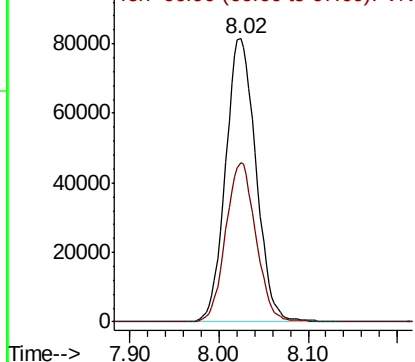


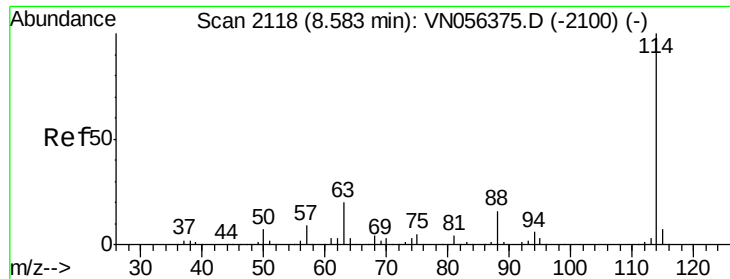
#33
1,2-Dichloroethane-d4
Concen: 50.427 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 65 Resp: 192230
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.0



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

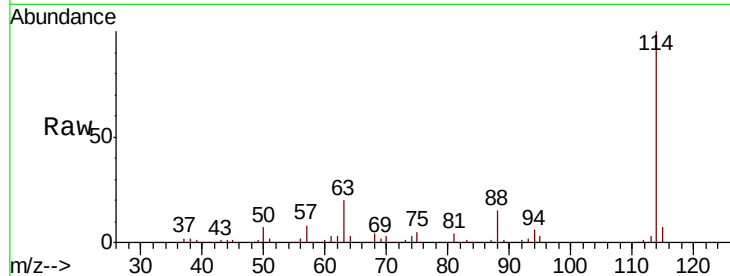




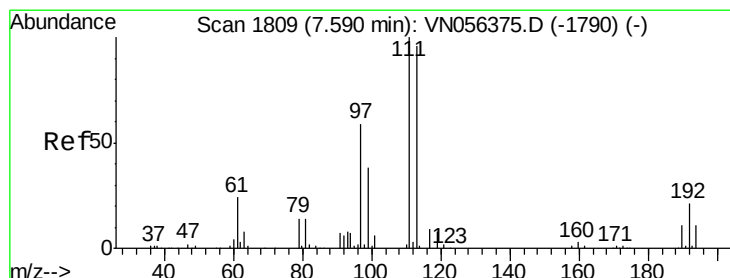
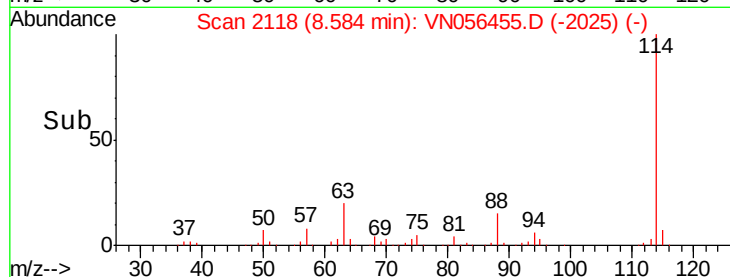
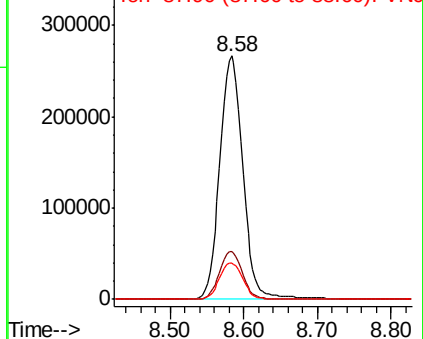
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(7.5-8)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.2
88	14.9	0.0	31.4

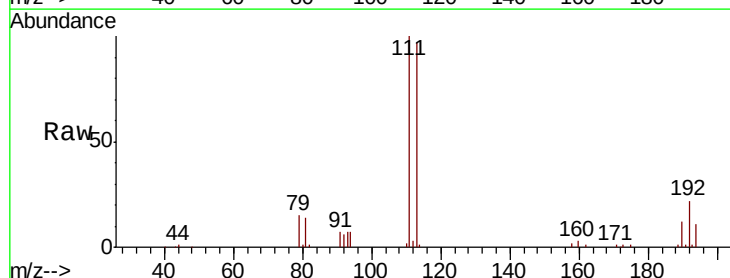


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

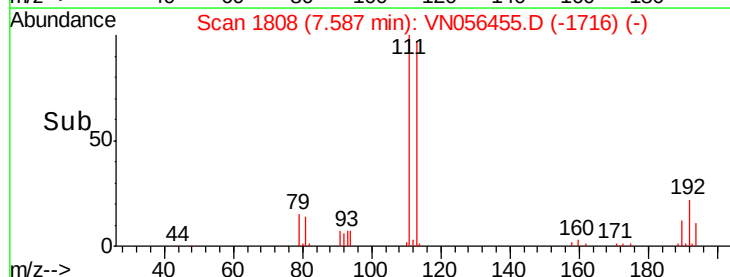
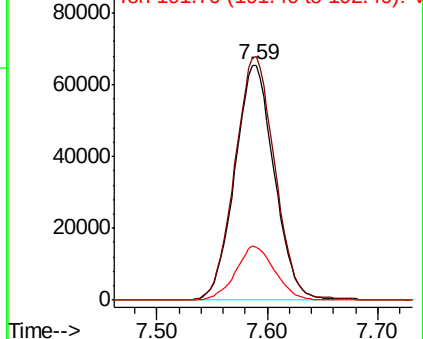


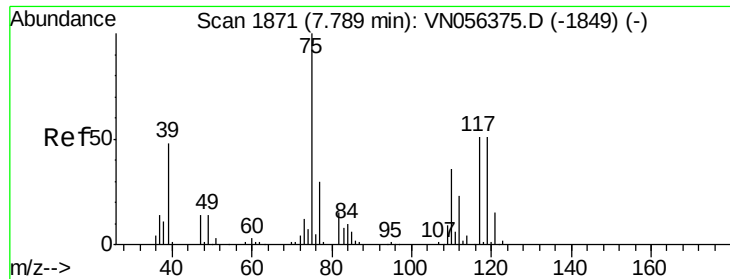
#35
 Dibromofluoromethane
 Concen: 44.569 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.9	124.3
192	22.7	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

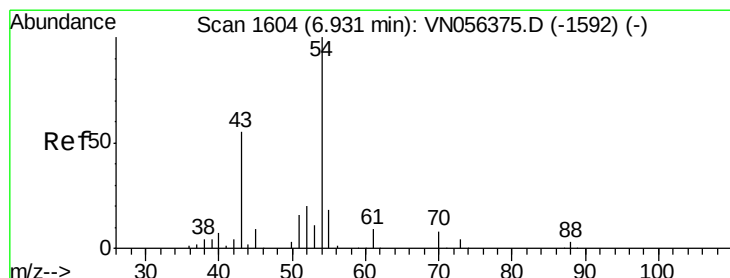
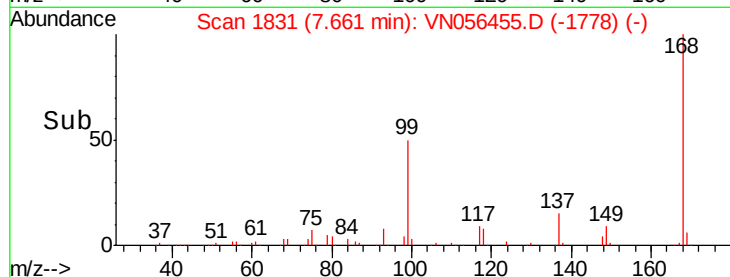
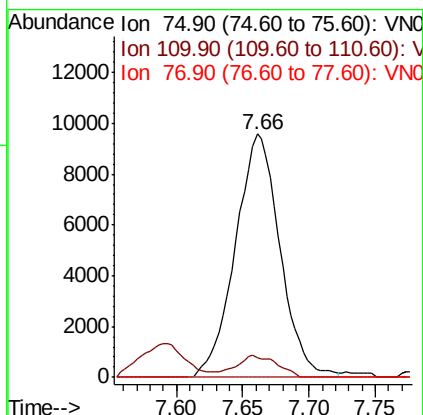
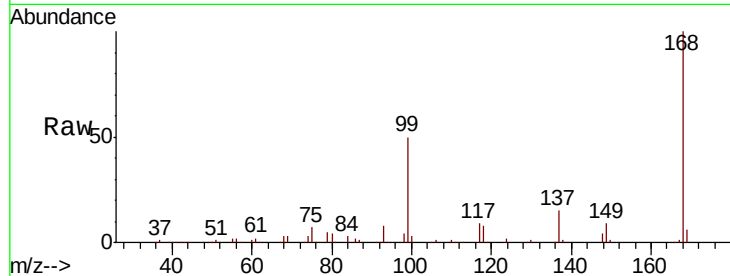




#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

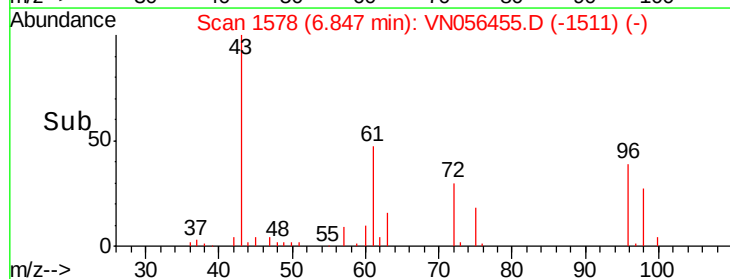
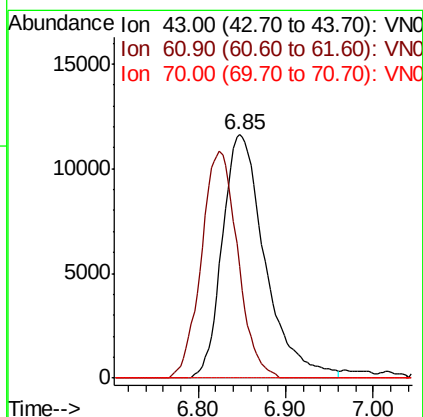
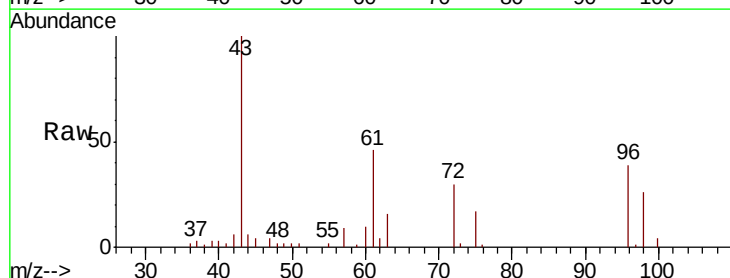
Instrument :
 MSVOA_N
 ClientSampled :
 B-6(7.5-8)

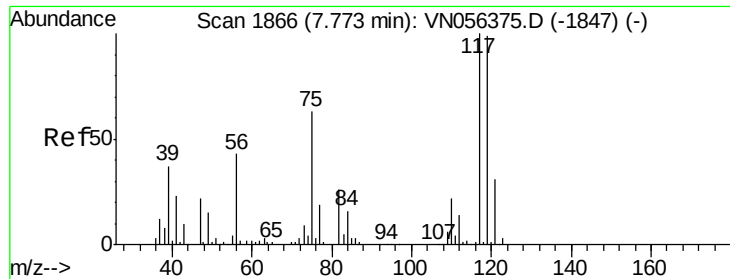
Tot Ion	75	Resp	22454
Ion Ratio	Lower	Upper	
75	100		
110	8.3	18.1	54.3#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 7.815 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.08 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Tgt Ion	43	Resp	39410
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: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

B-6(7.5-8)

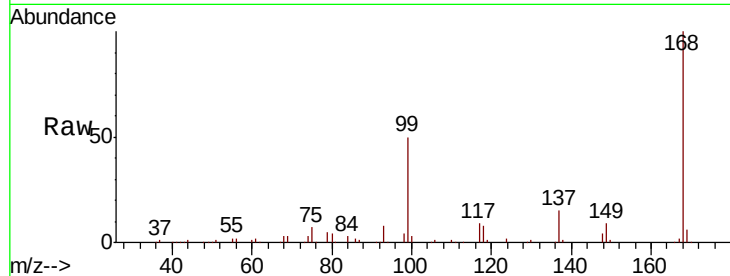
Tot Ion:117 Resp: 30704

Ion Ratio Lower Upper

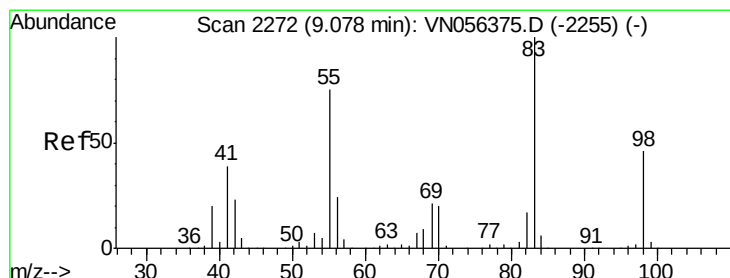
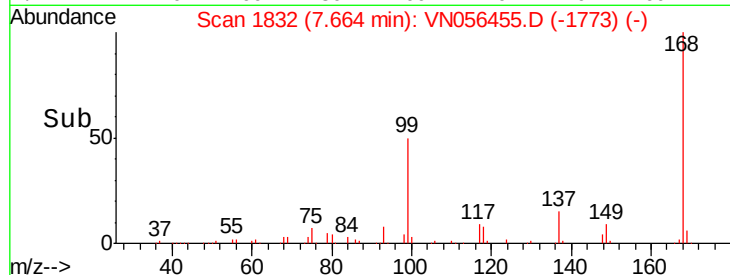
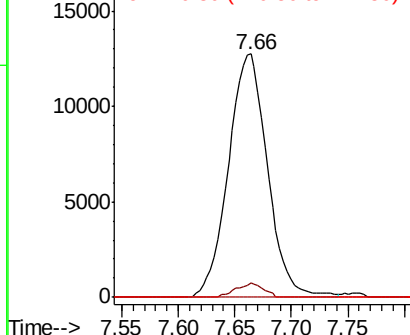
117 100

119 5.8 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



#39

Methylcyclohexane

Concen: 0.831 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

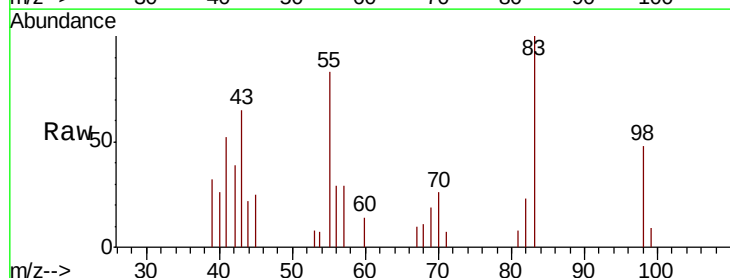
Tgt Ion: 83 Resp: 5264

Ion Ratio Lower Upper

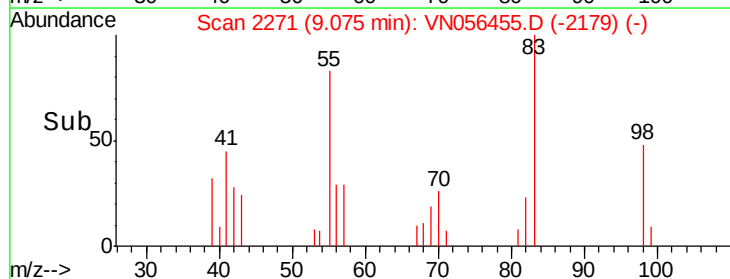
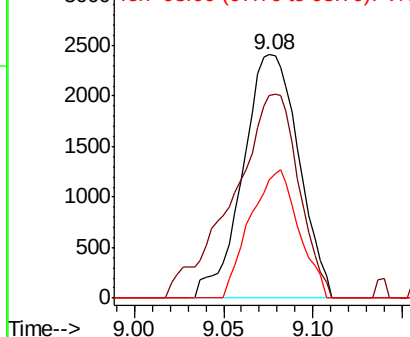
83 100

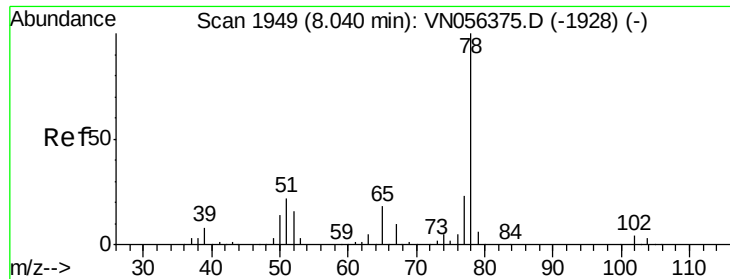
55 83.1 60.0 90.0

98 48.5 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 1.327 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

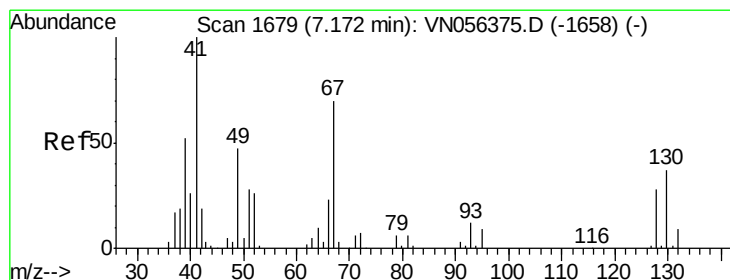
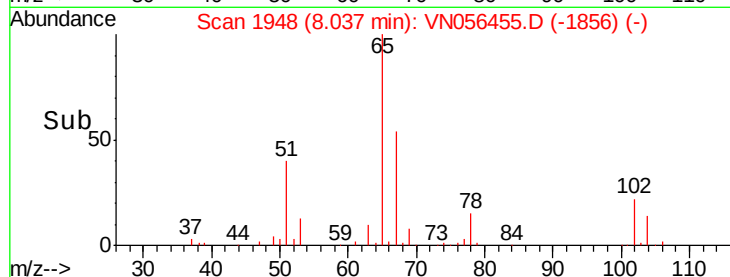
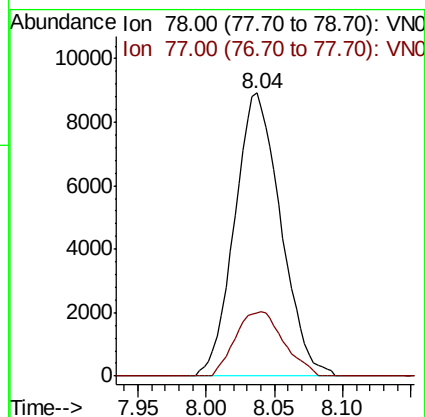
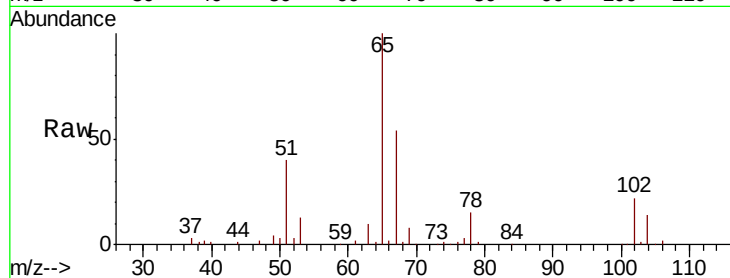
B-6(7.5-8)

Tot Ion: 78 Resp: 20941

Ion Ratio Lower Upper

78 100

77 22.4 18.3 27.5



#41

Methacrylonitrile

Concen: 0.236 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.06 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Tgt Ion: 41 Resp: 525

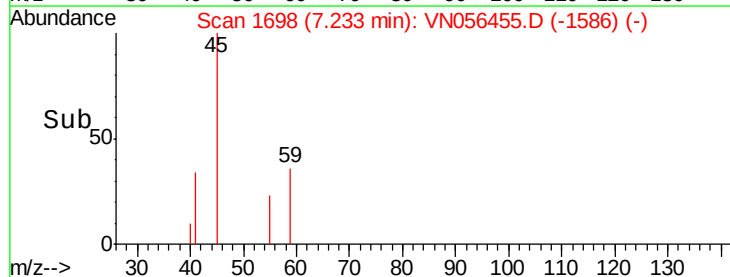
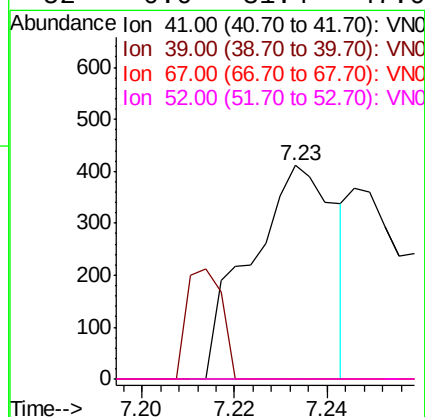
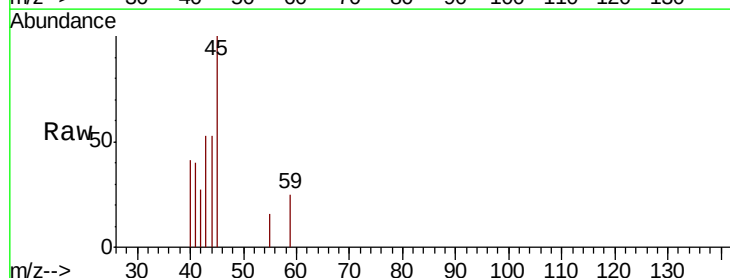
Ion Ratio Lower Upper

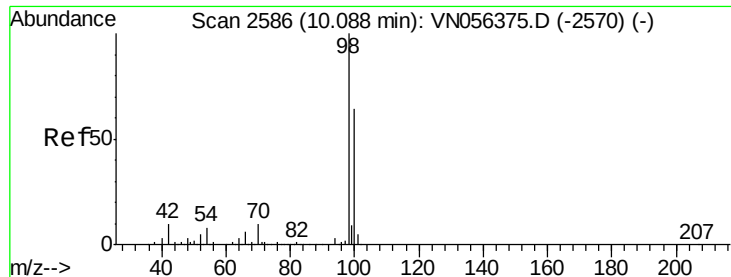
41 100

39 21.3 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#





#50

Toluene-d8

Concen: 50.454 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

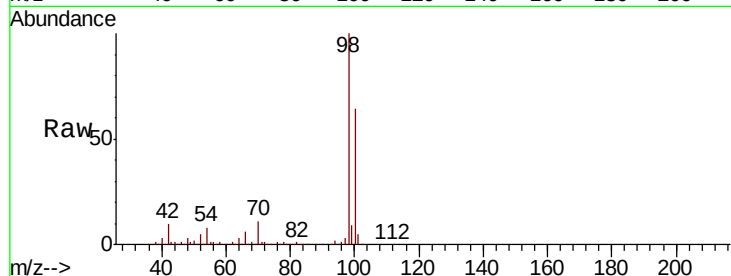
B-6(7.5-8)

Tot Ion: 98 Resp: 713968

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

300000

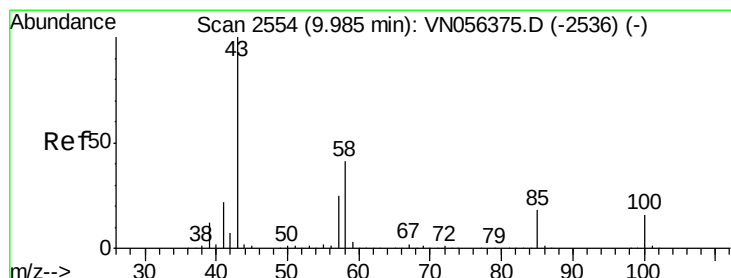
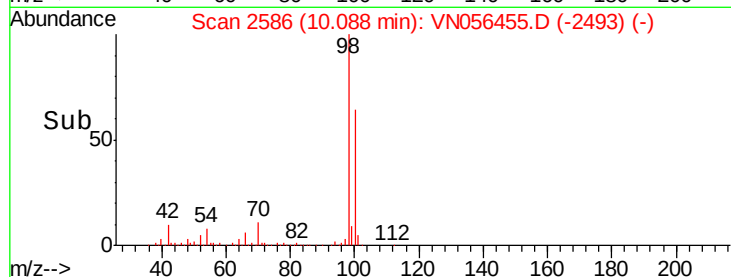
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 40.495 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056455.D

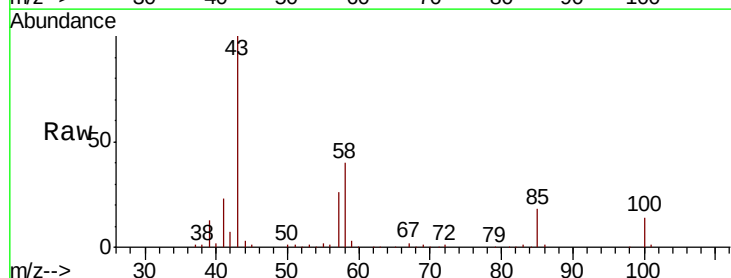
Acq: 24 Jun 2019 14:59

Tgt Ion: 43 Resp: 203230

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

120000

100000

80000

60000

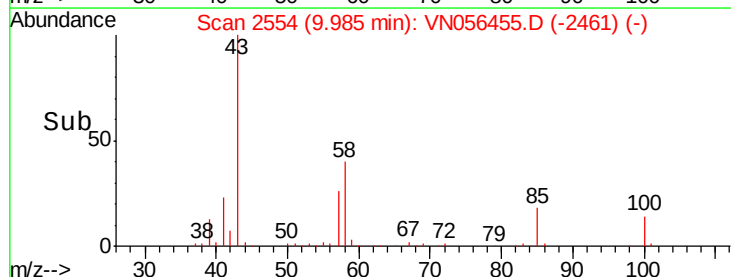
40000

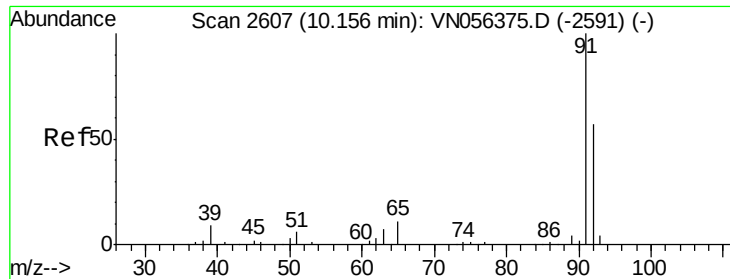
20000

0

Time-->

9.90 10.00





#52

Toluene

Concen: 6.386 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

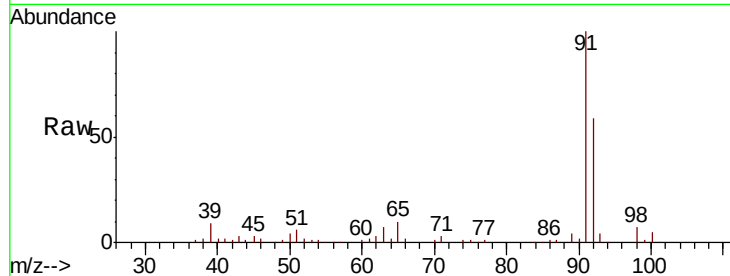
B-6(7.5-8)

Tot Ion: 92 Resp: 61625

Ion Ratio Lower Upper

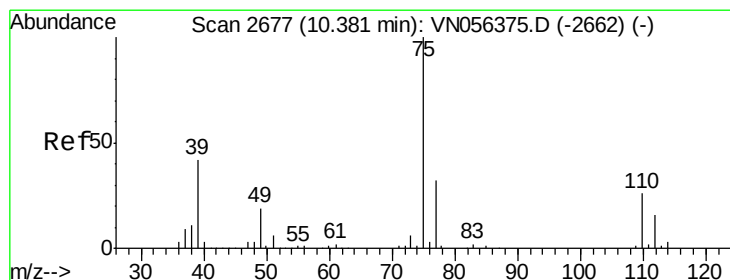
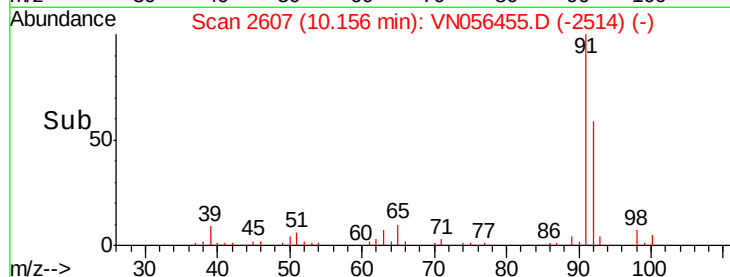
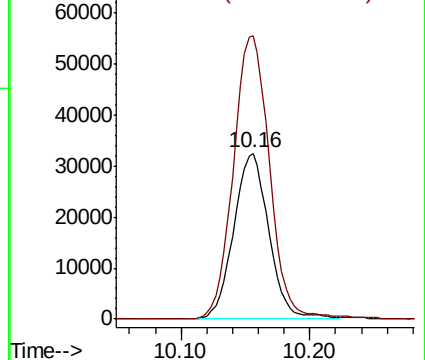
92 100

91 176.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.924 ug/l

RT: 10.28 min Scan# 2645

Delta R.T. -0.10 min

Lab File: VN056455.D

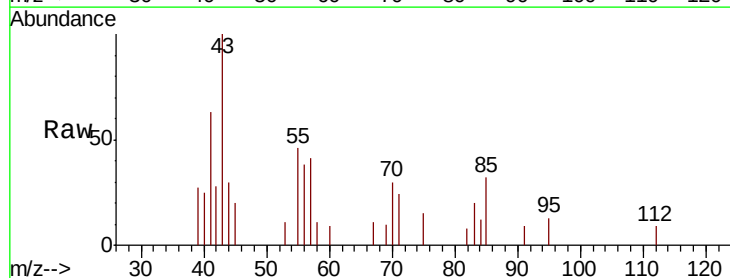
Acq: 24 Jun 2019 14:59

Tgt Ion: 75 Resp: 188

Ion Ratio Lower Upper

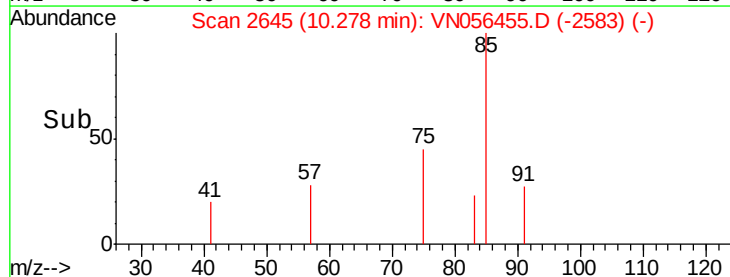
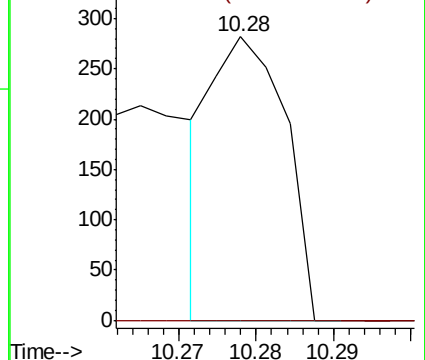
75 100

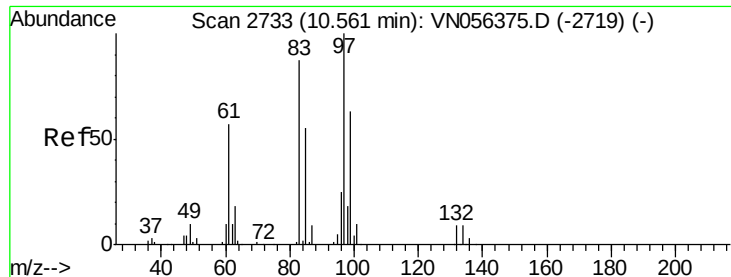
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

1,1,2-Trichloroethane

Concen: 0.203 ug/l

RT: 10.52 min Scan# 2721

Delta R.T. -0.04 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

B-6(7.5-8)

Tot Ion: 97 Resp: 788

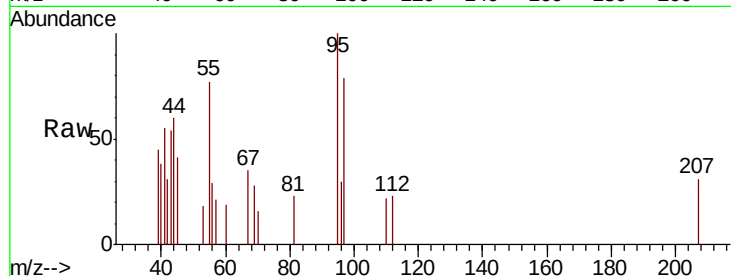
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.6#

85 0.0 43.8 65.8#

99 0.0 50.2 75.2#

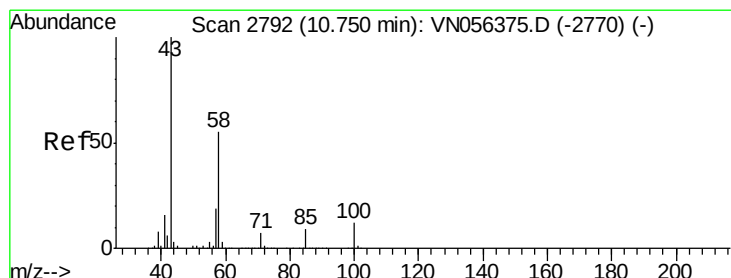
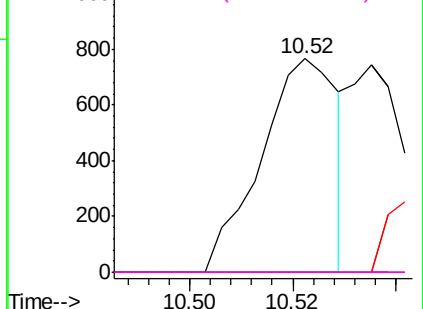
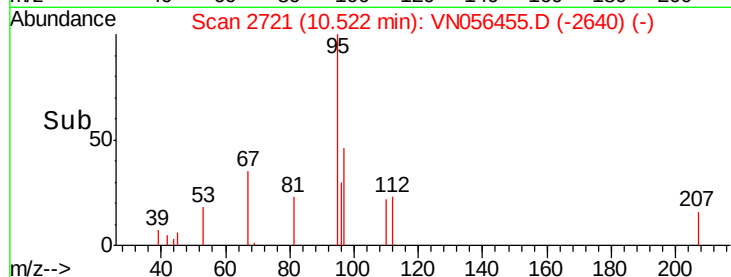


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#59

2-Hexanone

Concen: 0.796 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN056455.D

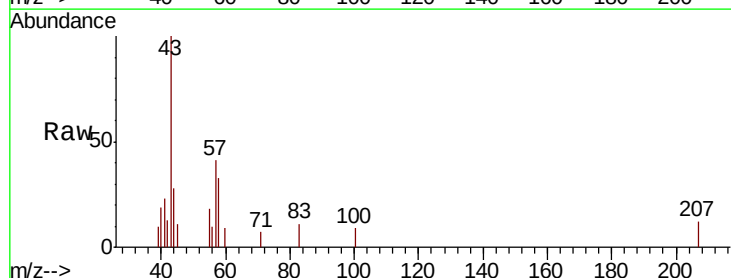
Acq: 24 Jun 2019 14:59

Tgt Ion: 43 Resp: 2936

Ion Ratio Lower Upper

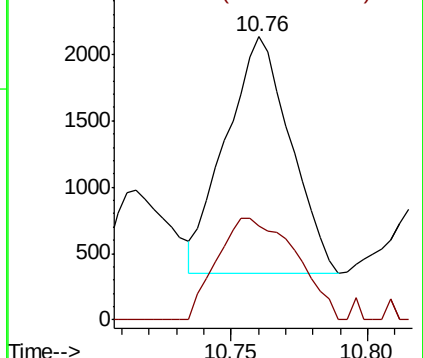
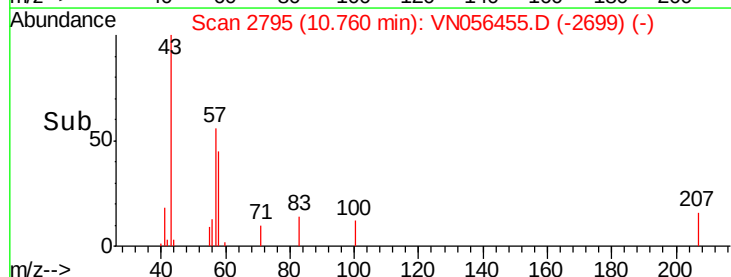
43 100

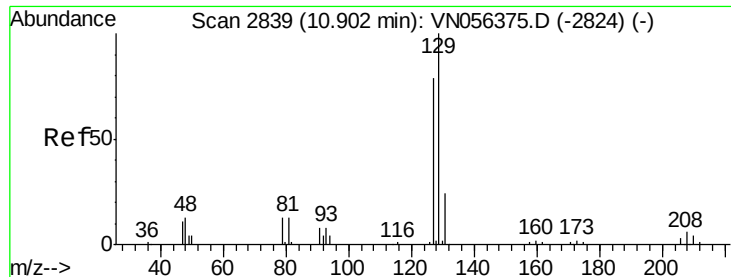
58 52.6 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

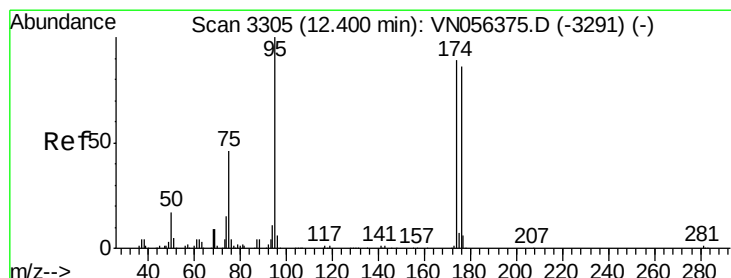
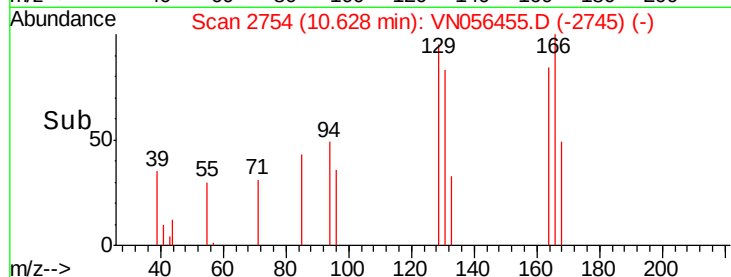
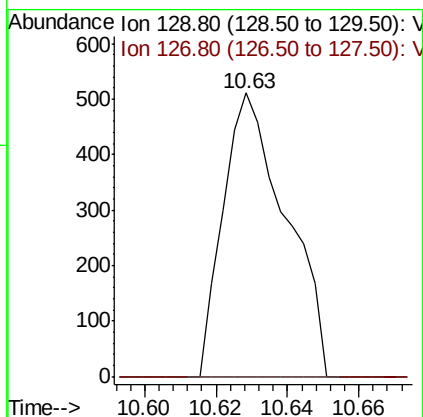
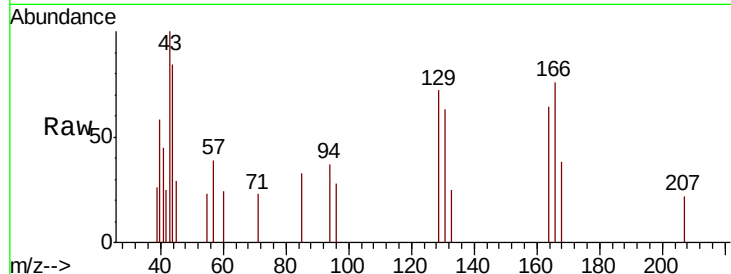




#60
Dibromochloromethane
Concen: 2.530 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

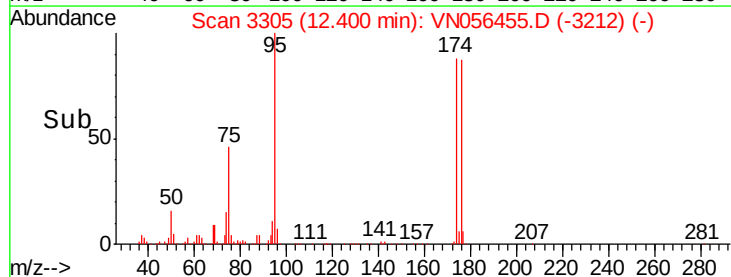
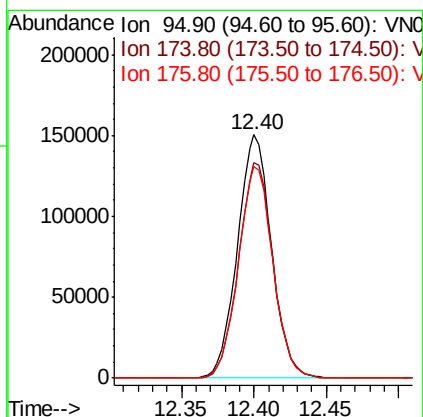
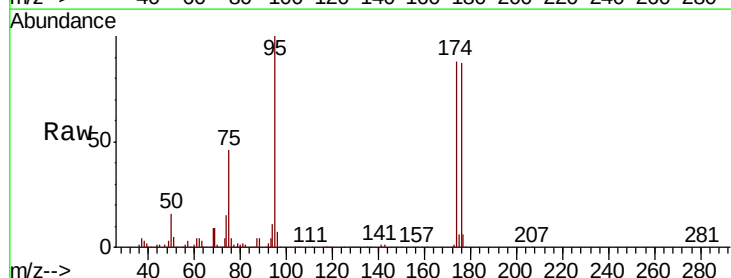
Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

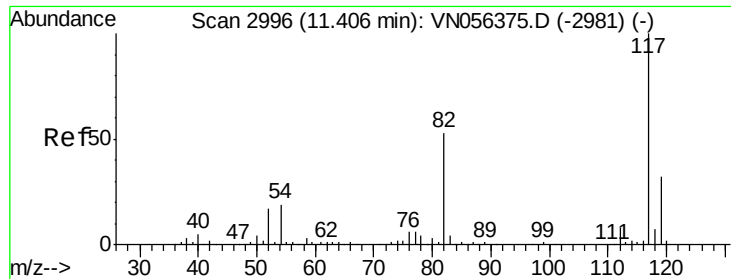
Tot Ion:129 Resp: 620
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 51.783 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 95 Resp: 244274
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.4
176 88.6 0.0 173.4

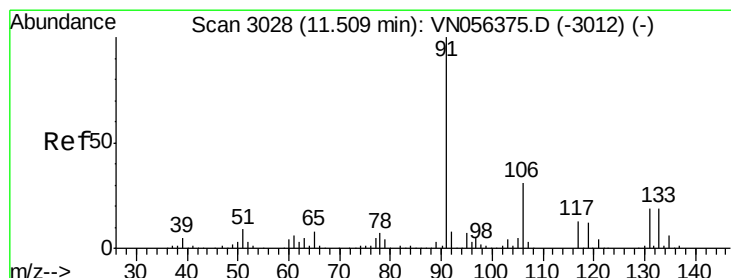
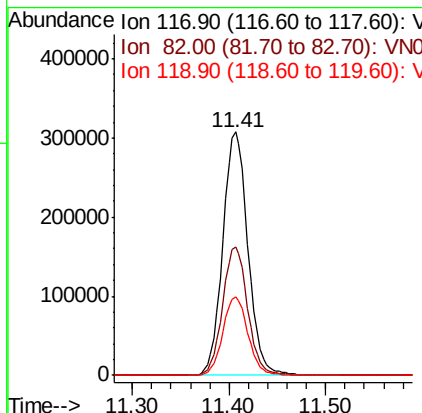
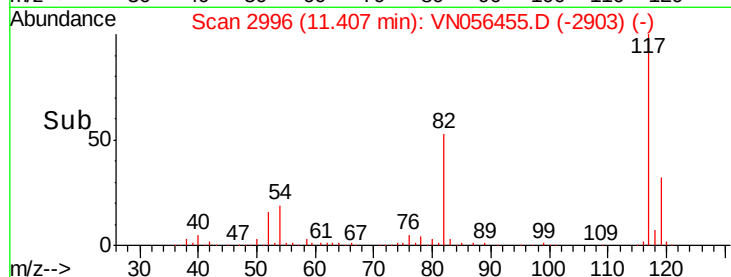
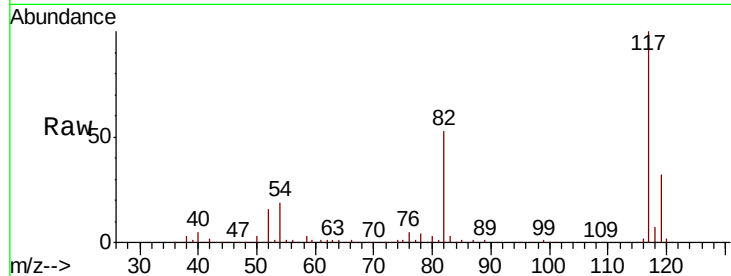




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

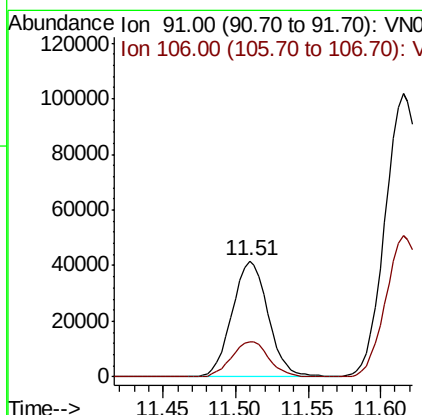
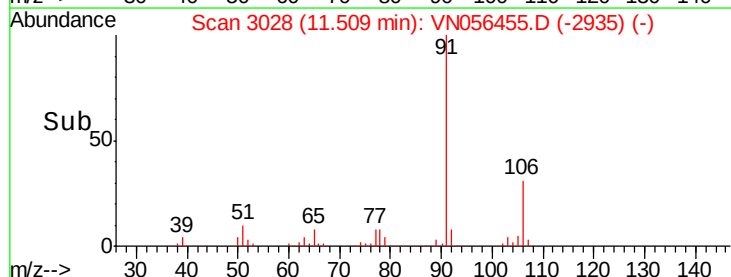
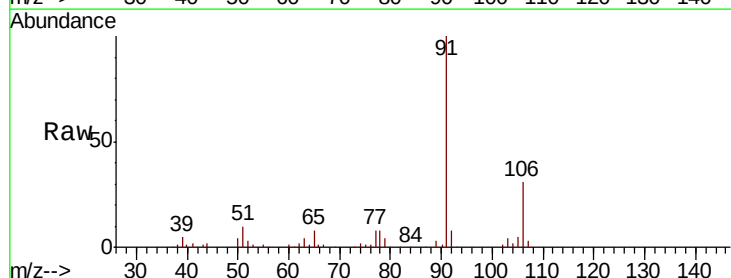
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

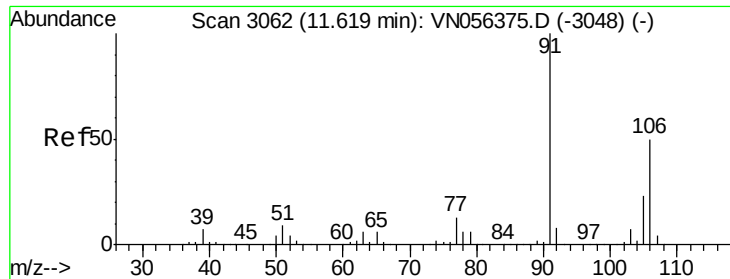
Tot Ion:117 Resp: 554319
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.3 25.3 37.9



#67
Ethyl Benzene
Concen: 3.677 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 91 Resp: 71920
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7

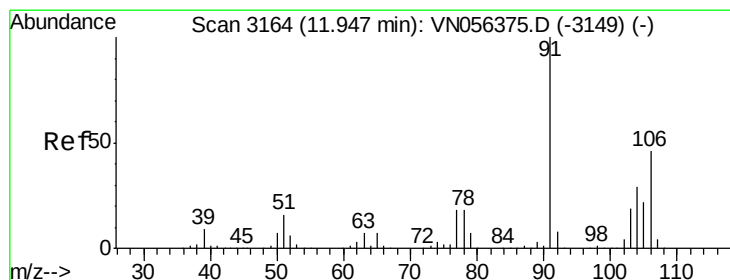
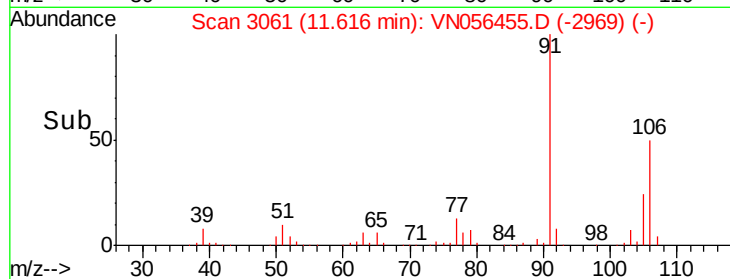
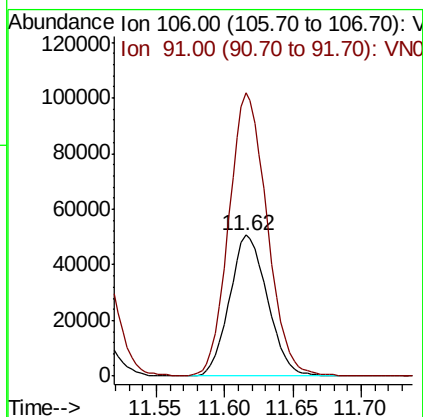
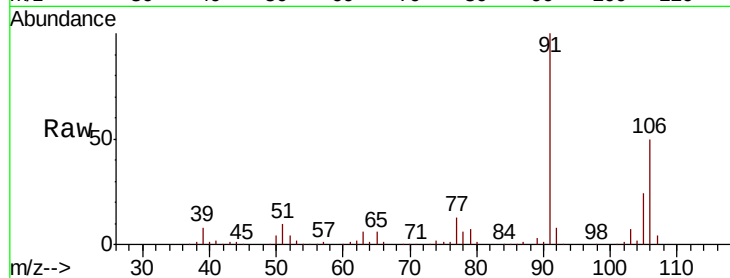




#68
m/p-Xylenes
Concen: 13.663 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

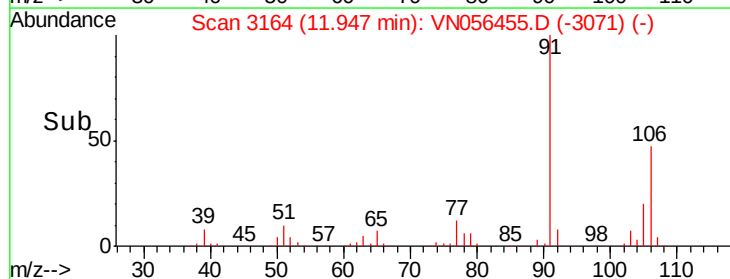
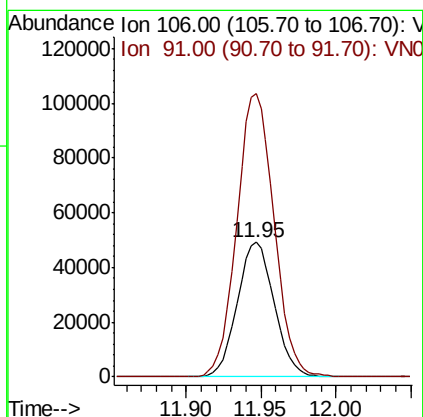
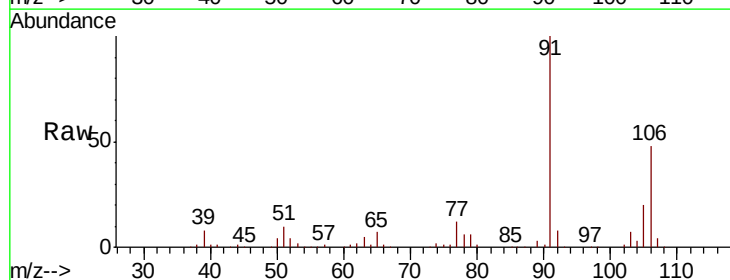
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

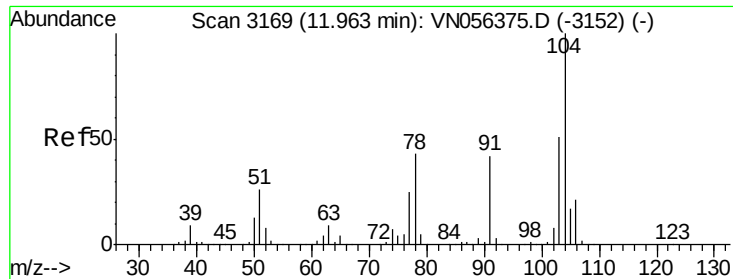
Tot Ion:106 Resp: 97927
Ion Ratio Lower Upper
106 100
91 202.3 160.1 240.1



#69
o-Xylene
Concen: 11.894 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion:106 Resp: 84337
Ion Ratio Lower Upper
106 100
91 212.5 107.1 321.3

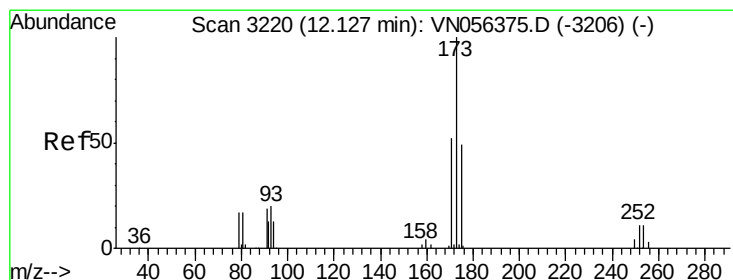
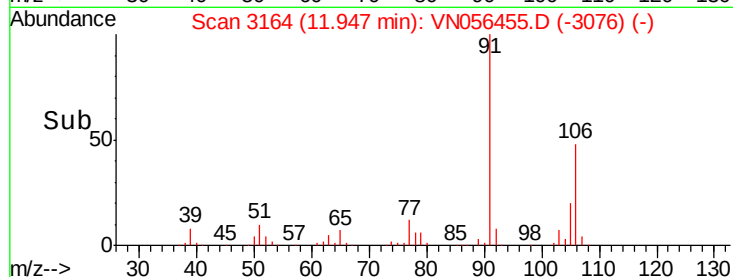
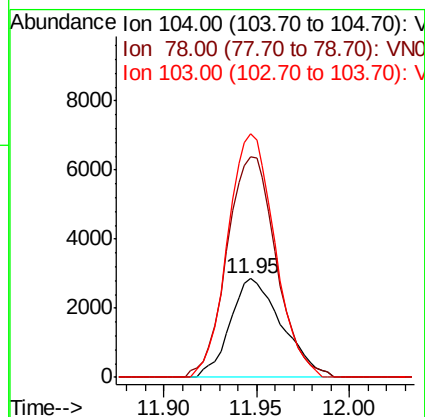
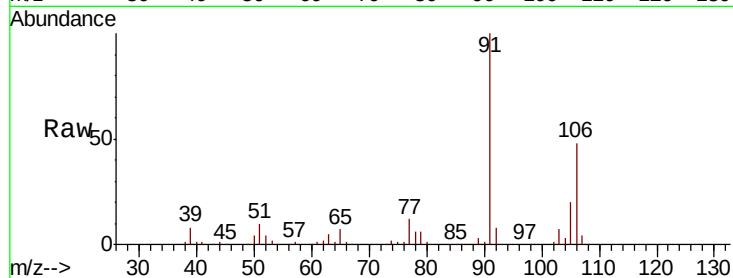




#70
Stvrene
Concen: 0.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

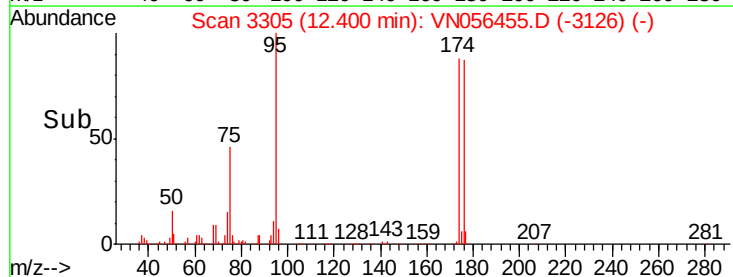
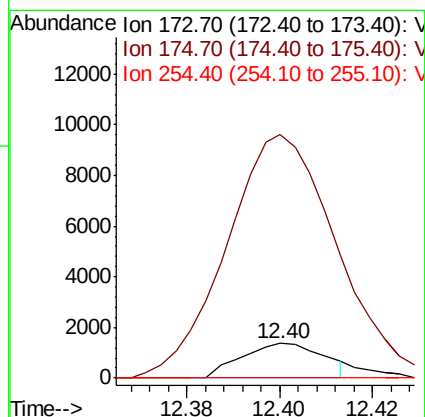
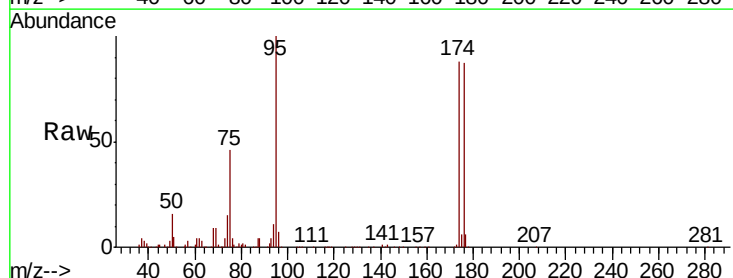
Instrument :
MSVOA_N
ClientSampleId :
B-6(7.5-8)

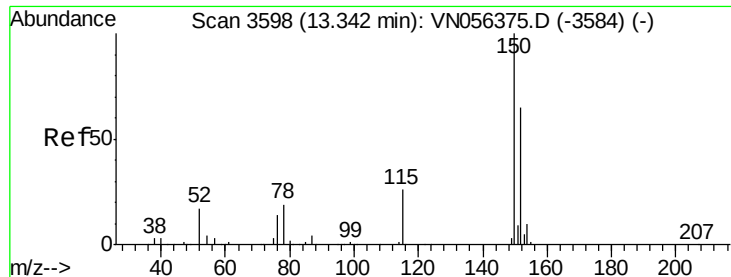
Tot Ion:104 Resp: 5555
Ion Ratio Lower Upper
104 100
78 212.7 38.6 57.8#
103 223.7 43.9 65.9#



#71
Bromoform
Concen: 3.667 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion:173 Resp: 1698
Ion Ratio Lower Upper
173 100
175 832.2 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

B-6(7.5-8)

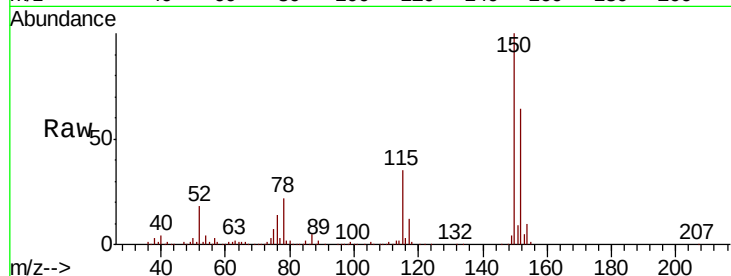
Tot Ion:152 Resp: 225180

Ion Ratio Lower Upper

152 100

115 57.8 28.1 84.4

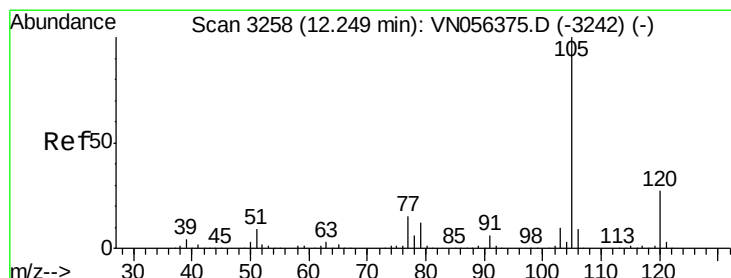
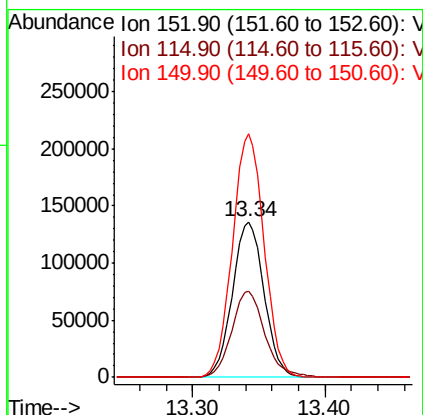
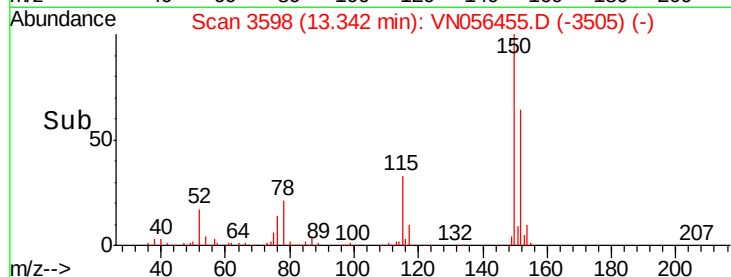
150 156.4 0.0 348.4



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# 3257

Delta R.T. -0.00 min

Lab File: VN056455.D

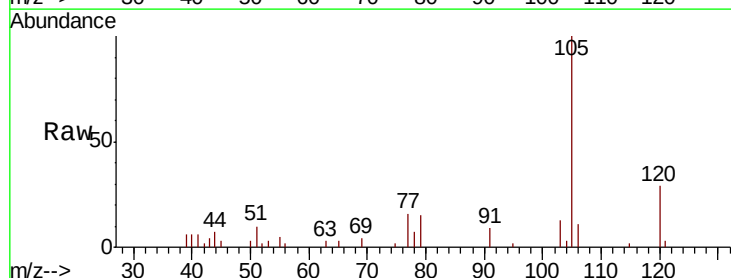
Acq: 24 Jun 2019 14:59

Tgt Ion:105 Resp: 14402

Ion Ratio Lower Upper

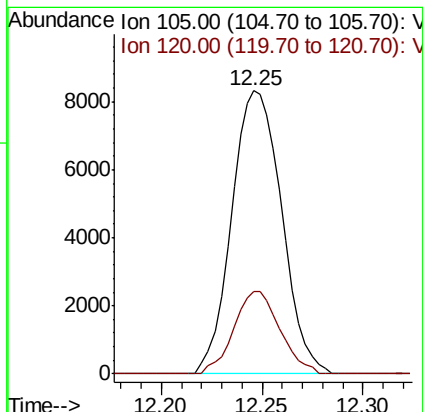
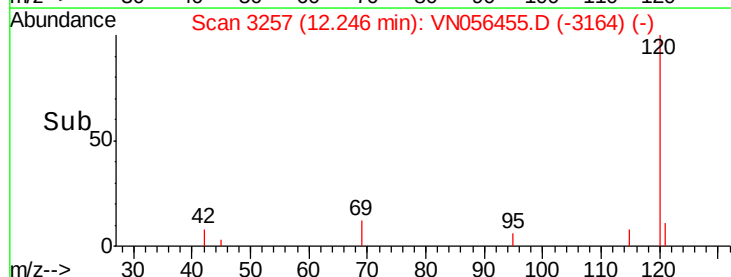
105 100

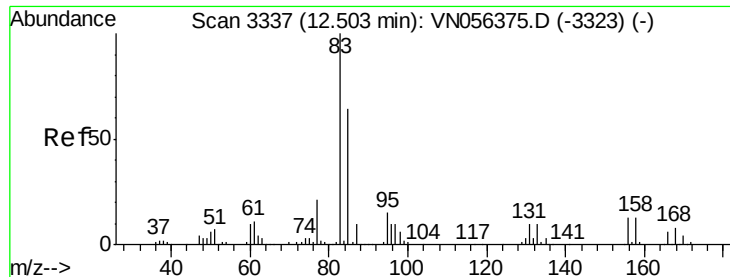
120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

B-6(7.5-8)

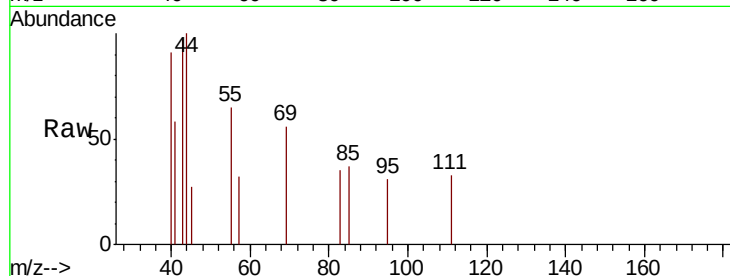
Tot Ion: 83 Resp: 108

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 167.6 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

300

250

200

150

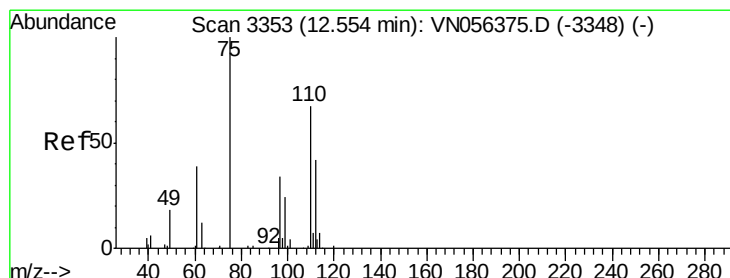
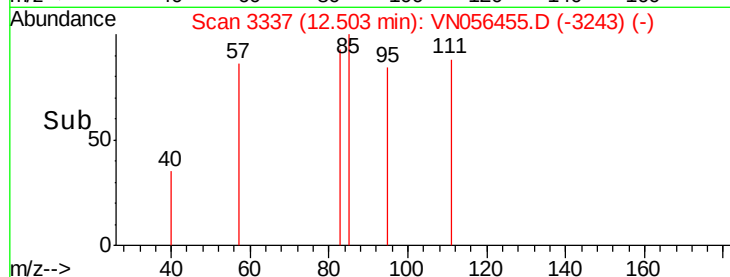
100

50

0

12.49 12.50 12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.182 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056455.D

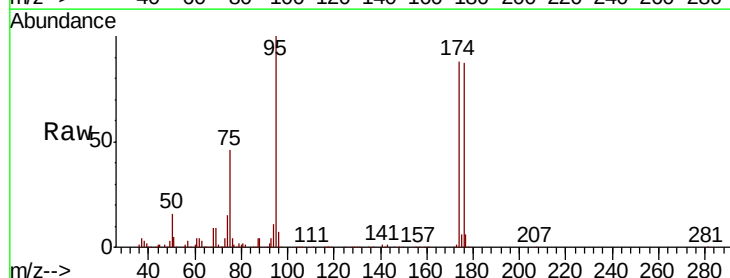
Acq: 24 Jun 2019 14:59

Tgt Ion: 75 Resp: 112910

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

80000 Ion 77.00 (76.70 to 77.70): VN0

60000

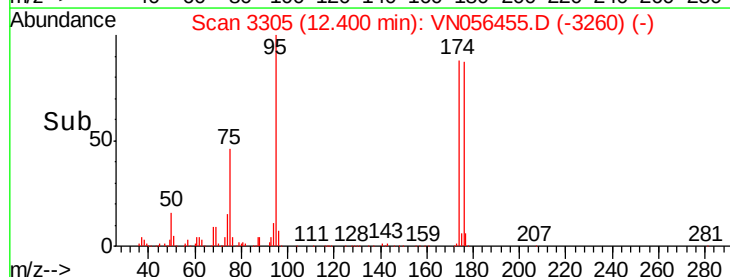
40000

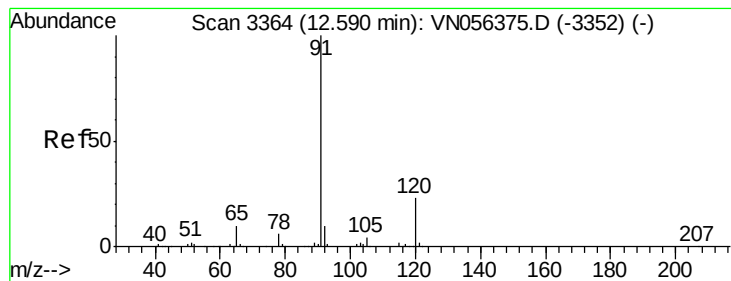
20000

0

12.35 12.40 12.45

Time-->





#78

n-propylbenzene

Concen: 2.202 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

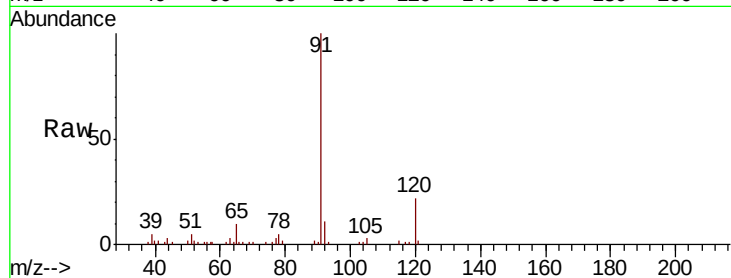
B-6(7.5-8)

Tot Ion: 91 Resp: 45409

Ion Ratio Lower Upper

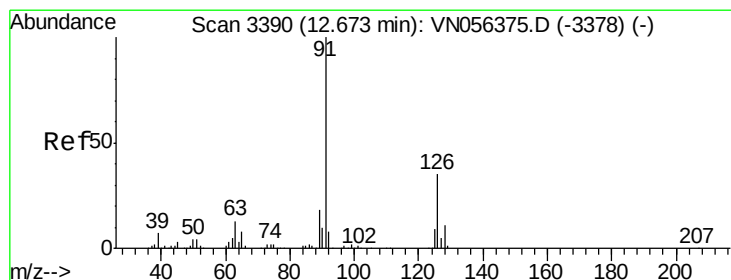
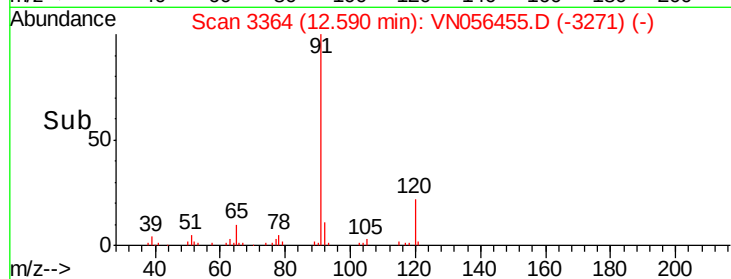
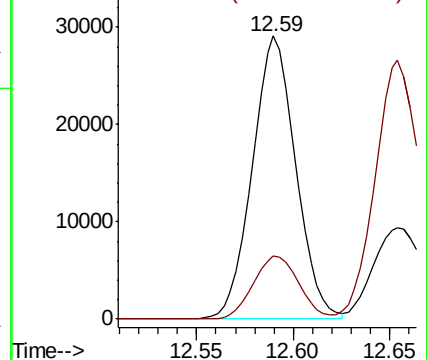
91 100

120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN056455.D

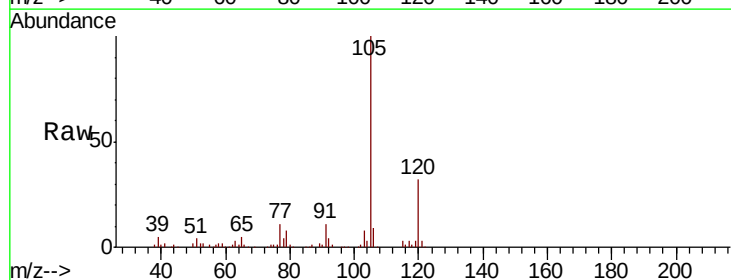
Acq: 24 Jun 2019 14:59

Tgt Ion: 91 Resp: 15572

Ion Ratio Lower Upper

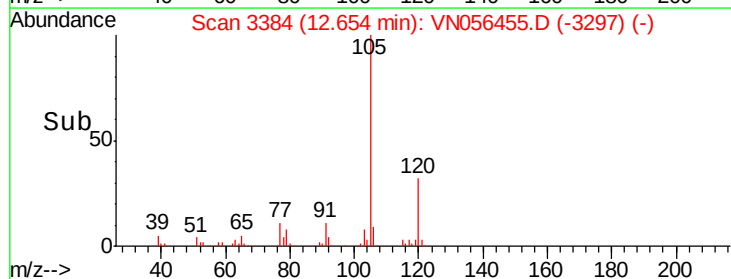
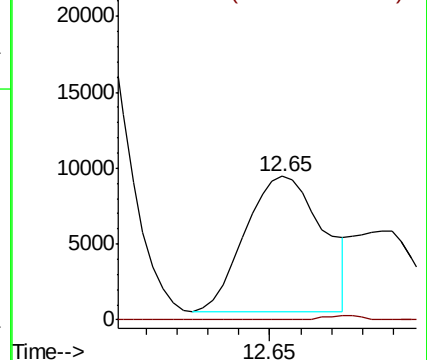
91 100

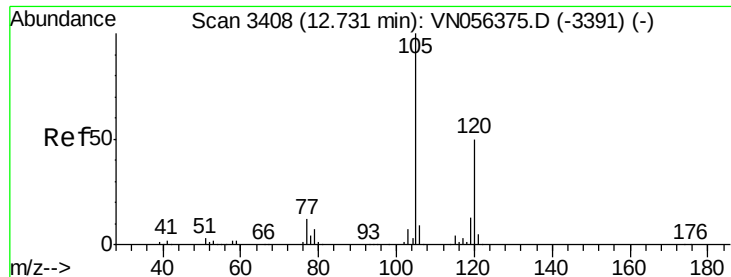
126 1.4 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 4.586 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

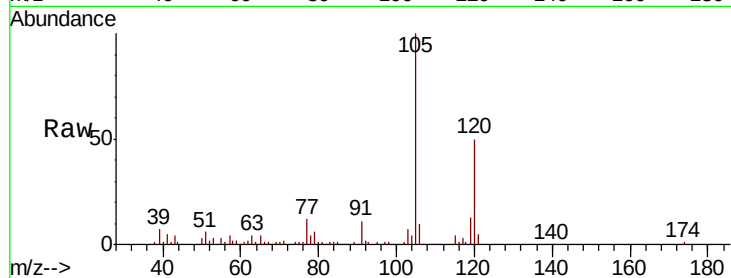
B-6(7.5-8)

Tot Ion:105 Resp: 94081

Ion Ratio Lower Upper

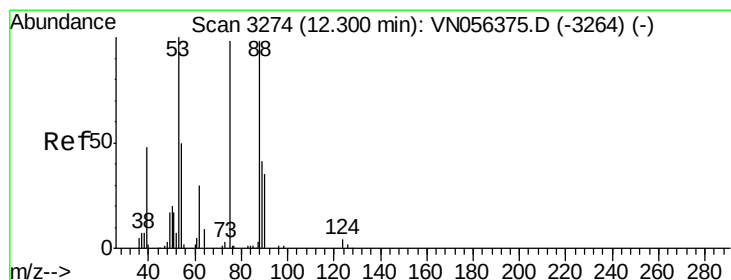
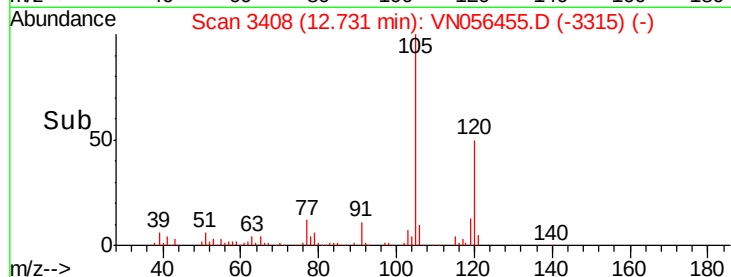
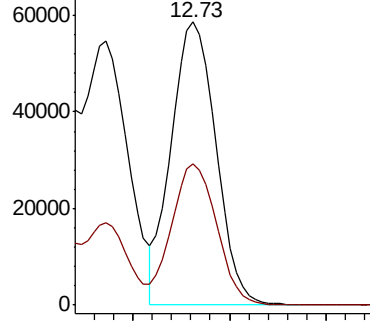
105 100

120 51.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 85.947 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

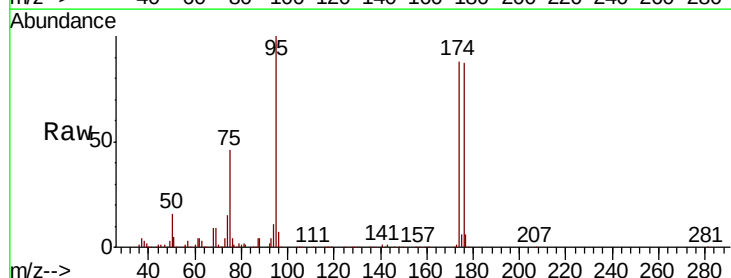
Tgt Ion: 75 Resp: 112910

Ion Ratio Lower Upper

75 100

53 0.1 83.9 125.9#

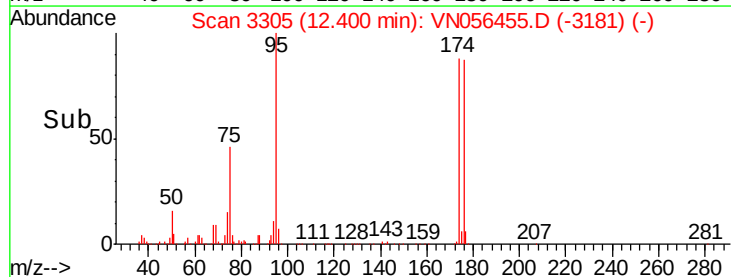
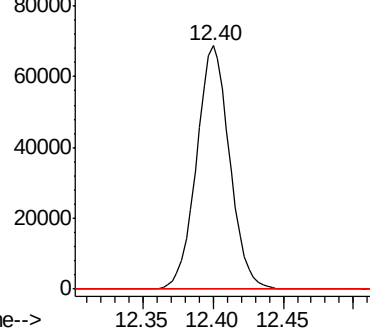
89 0.0 35.0 52.6#

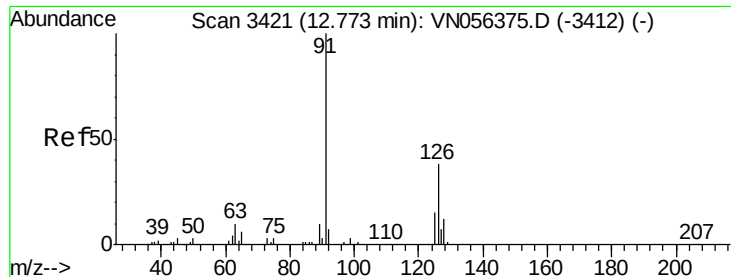


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

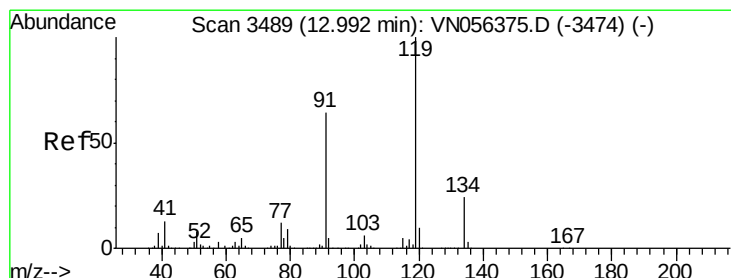
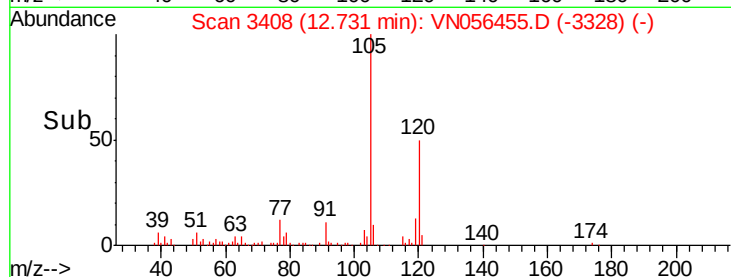
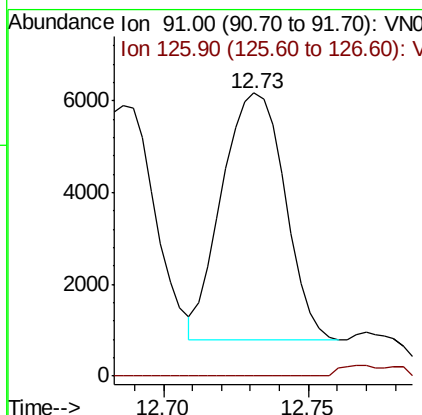
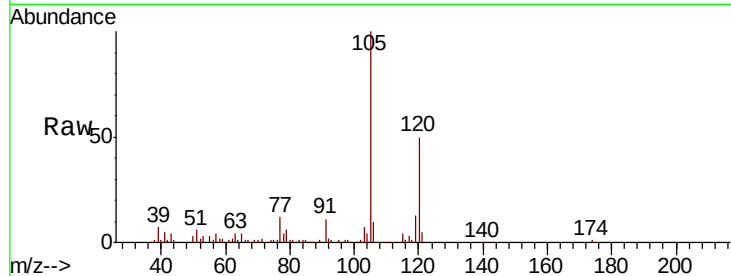




#82
4-Chlorotoluene
Concen: 0.666 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

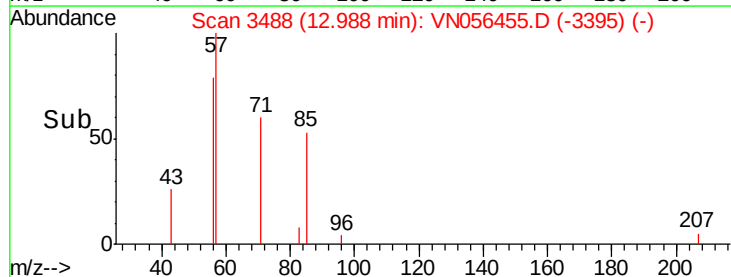
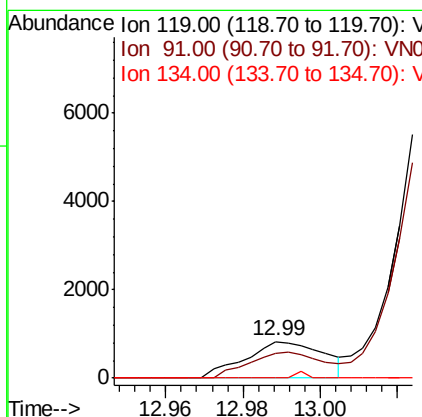
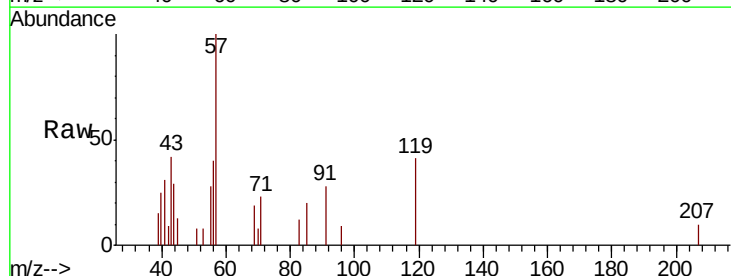
Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

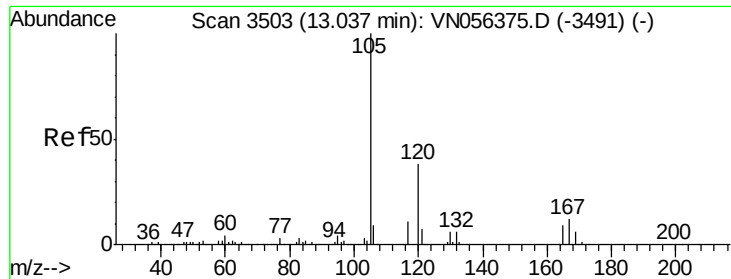
Tot Ion: 91 Resp: 8115
Ion Ratio Lower Upper
91 100
126 0.0 17.3 52.0#



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 119 Resp: 1168
Ion Ratio Lower Upper
119 100
91 66.6 31.6 94.7
134 0.0 13.2 39.5#

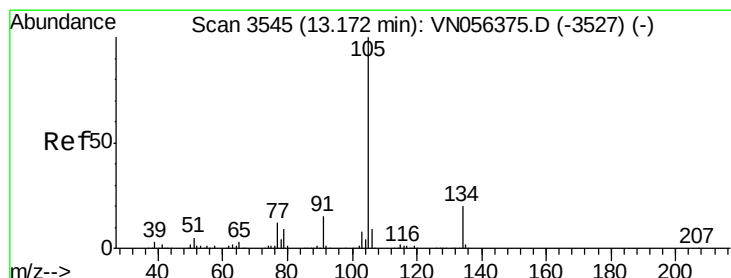
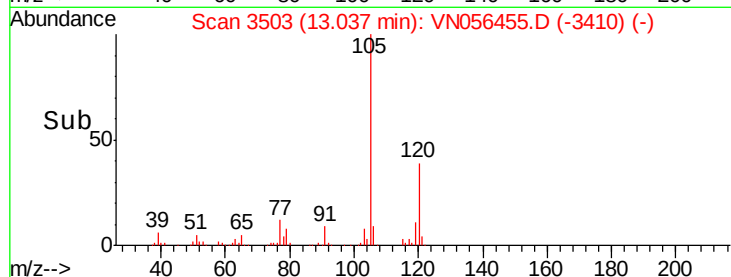
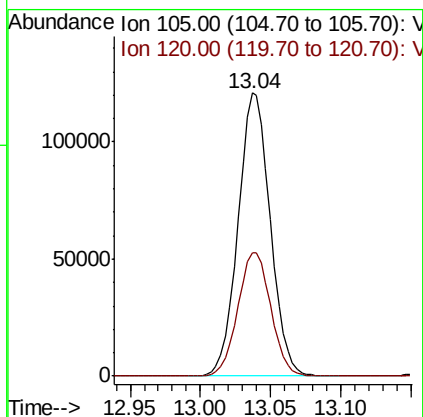
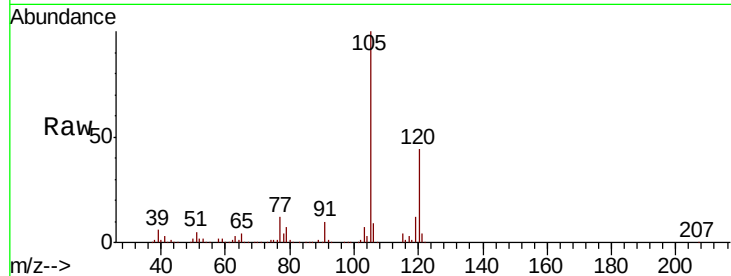




#84
 1,2,4-Trimethylbenzene
 Concen: 12.737 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

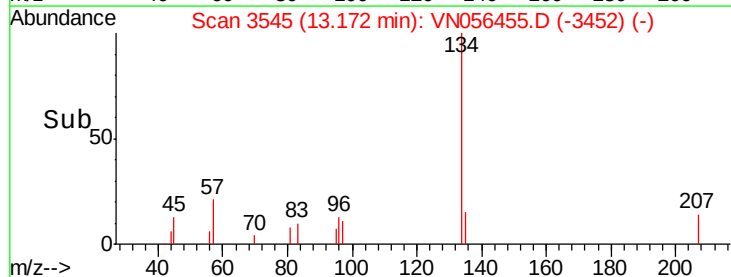
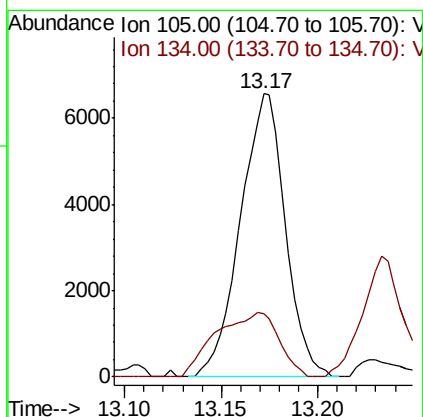
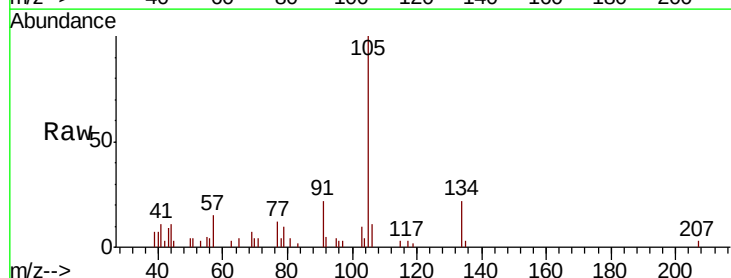
Instrument :
 MSVOA_N
 ClientSampled :
 B-6(7.5-8)

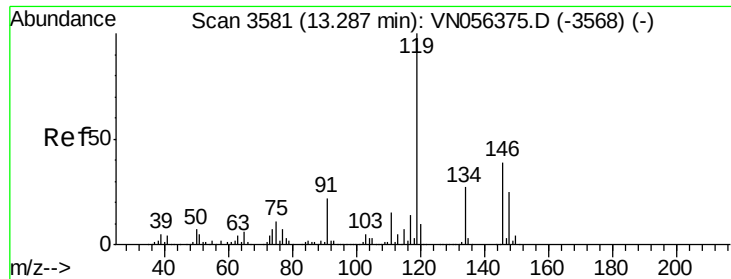
Tot Ion:105 Resp: 193075
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.585 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Tgt Ion:105 Resp: 10606
 Ion Ratio Lower Upper
 105 100
 134 31.9 10.2 30.4#

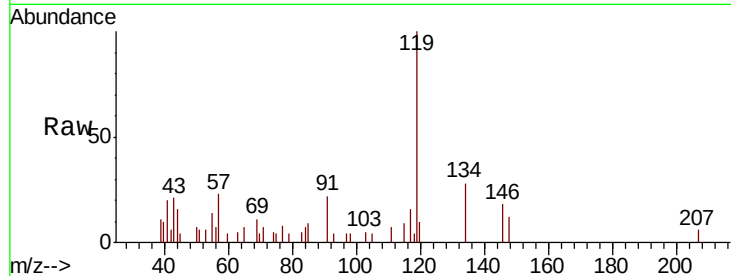




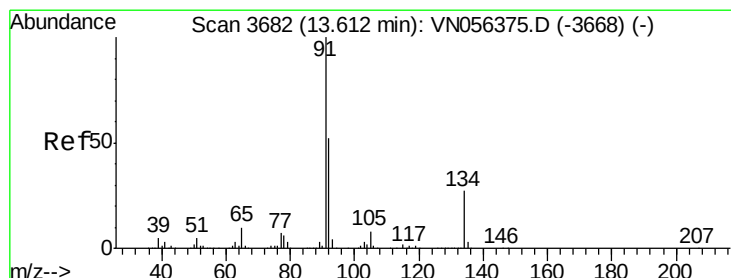
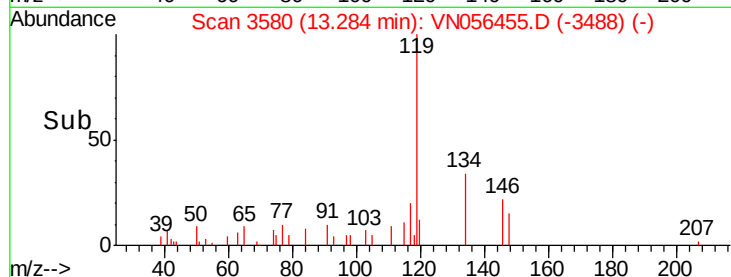
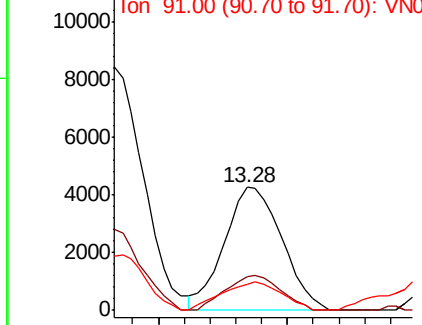
#86
p-Isopropyltoluene
Concen: 0.429 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampled :
B-6(7.5-8)

Tot Ion:119 Resp: 6680
Ion Ratio Lower Upper
119 100
134 26.9 13.5 40.4
91 23.8 11.2 33.5

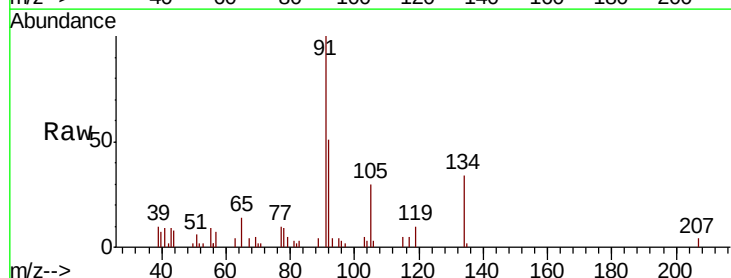


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

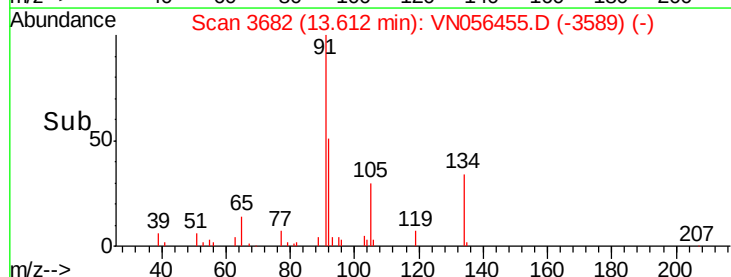
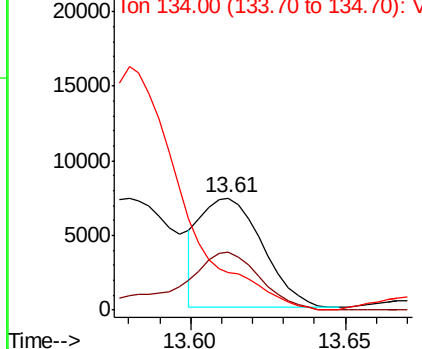


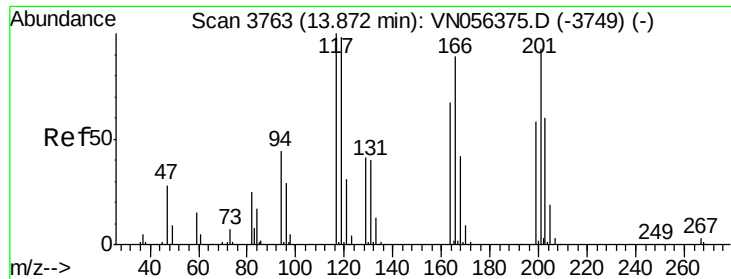
#89
n-Butylbenzene
Concen: 0.871 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056455.D
Acq: 24 Jun 2019 14:59

Tgt Ion: 91 Resp: 10253
Ion Ratio Lower Upper
91 100
92 71.3 26.2 78.5
134 0.0 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.823 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

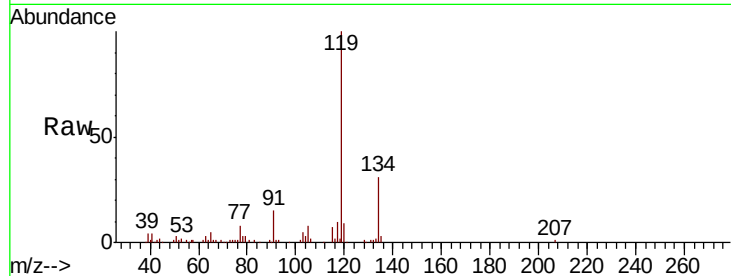
B-6(7.5-8)

Tot Ion:117 Resp: 6847

Ion Ratio Lower Upper

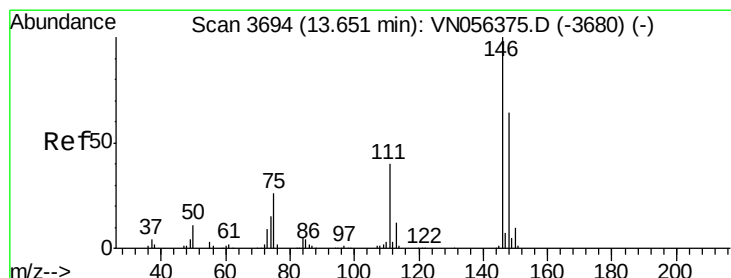
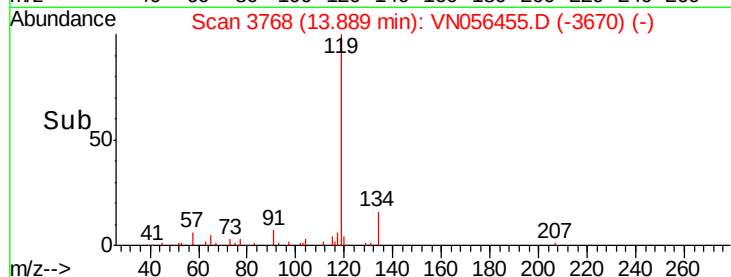
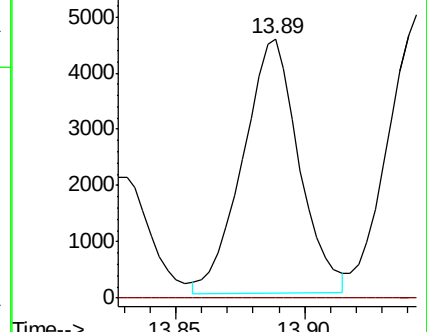
117 100

201 0.0 45.9 137.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.212 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

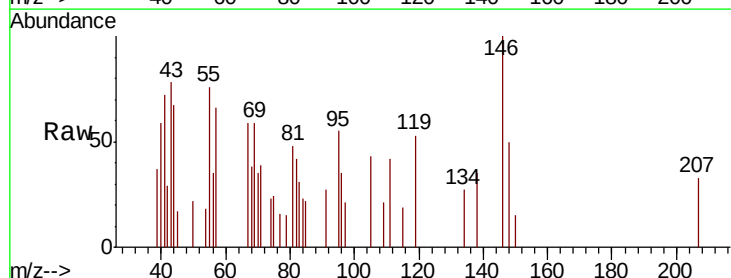
Tgt Ion:146 Resp: 1606

Ion Ratio Lower Upper

146 100

111 52.9 19.3 57.9

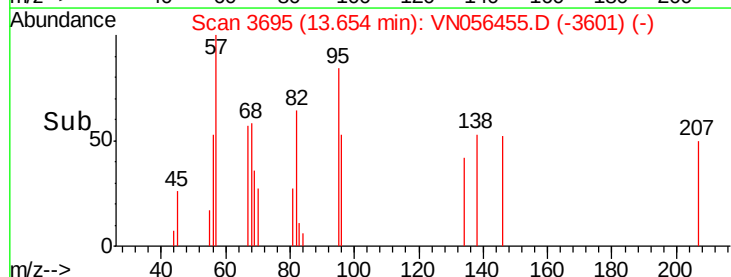
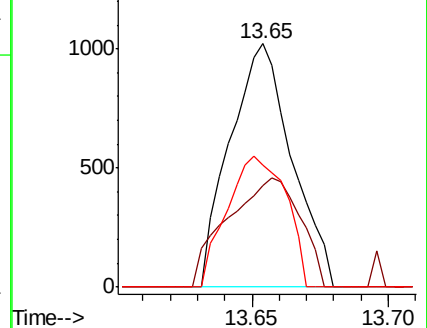
148 51.3 32.0 96.0

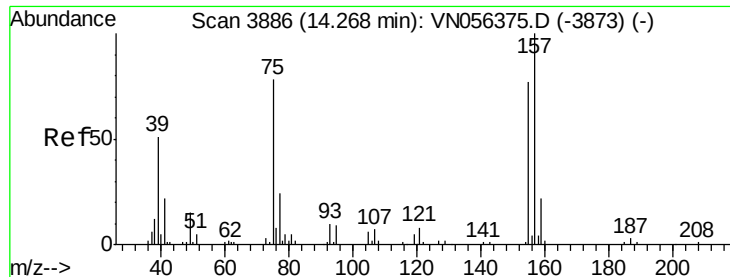


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.622 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

B-6(7.5-8)

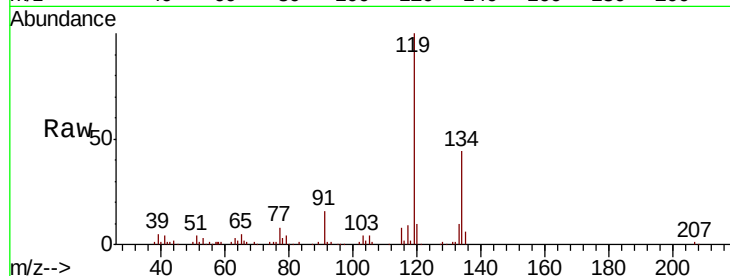
Tot Ion: 75 Resp: 518

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

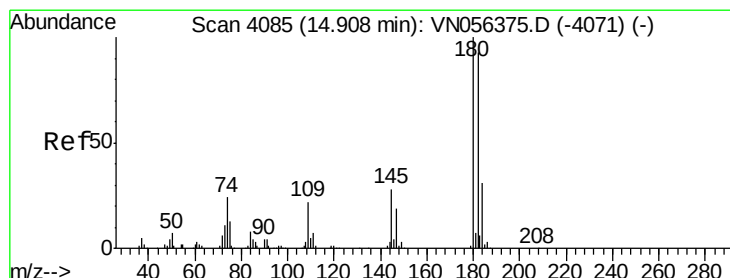
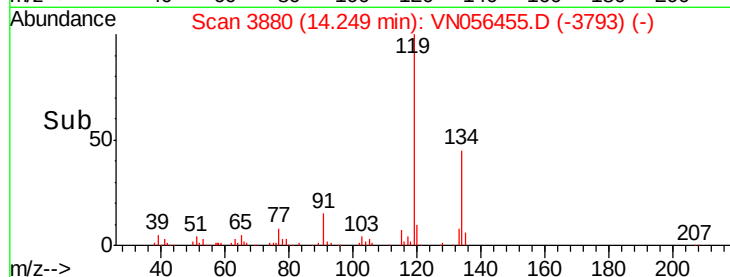
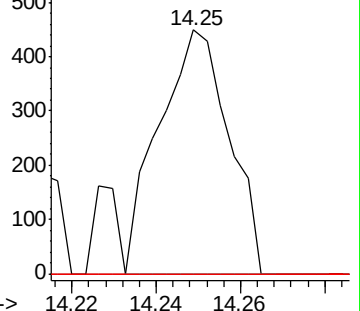
157 0.0 62.9 188.8#



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN056375.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN056375.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 6.350 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

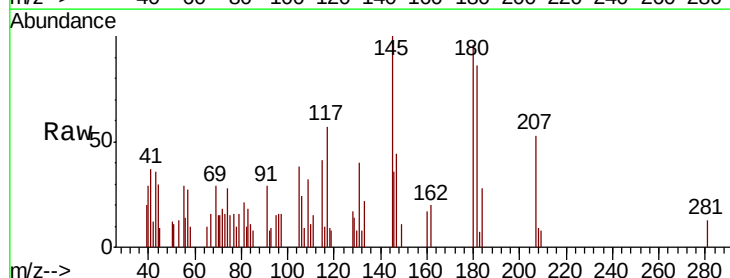
Tgt Ion:180 Resp: 3268

Ion Ratio Lower Upper

180 100

182 92.8 46.9 140.6

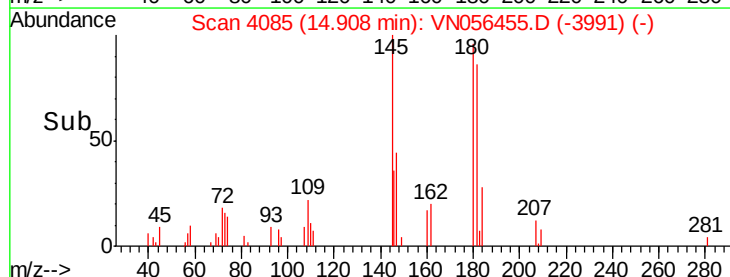
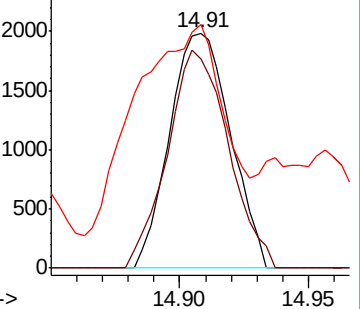
145 129.4 14.4 43.0#

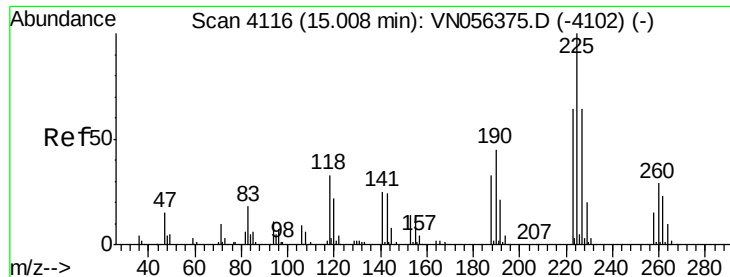


Abundance Ion 179.80 (179.50 to 180.50): VN056375.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN056375.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN056375.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

B-6(7.5-8)

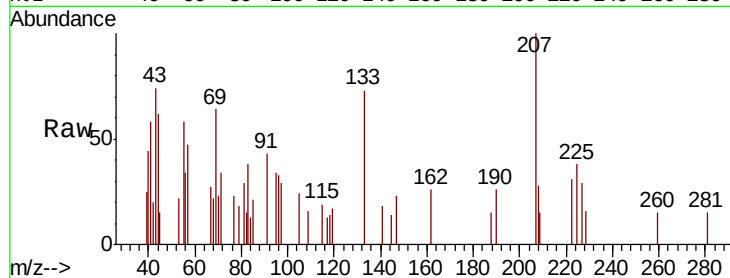
Tot Ion:225 Resp: 665

Ion Ratio Lower Upper

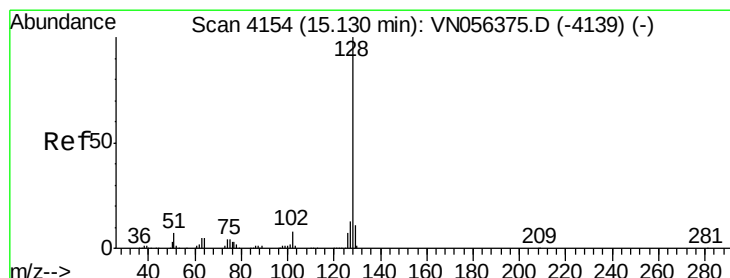
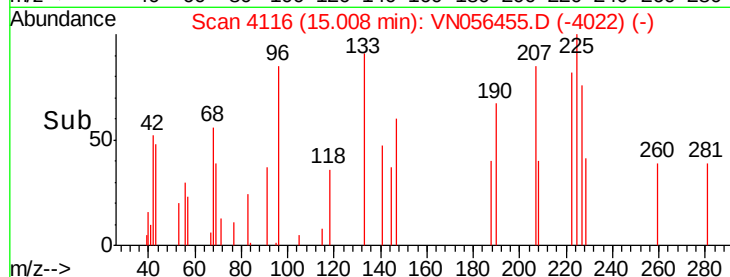
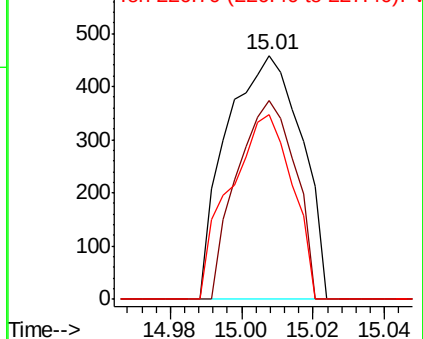
225 100

223 63.3 31.4 94.3

227 63.3 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



#95

Naphthalene

Concen: 12.693 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056455.D

Acq: 24 Jun 2019 14:59

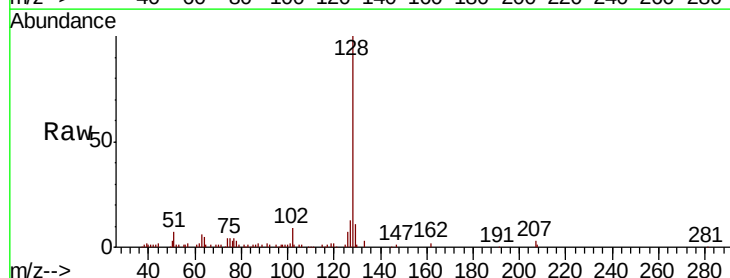
Tgt Ion:128 Resp: 85734

Ion Ratio Lower Upper

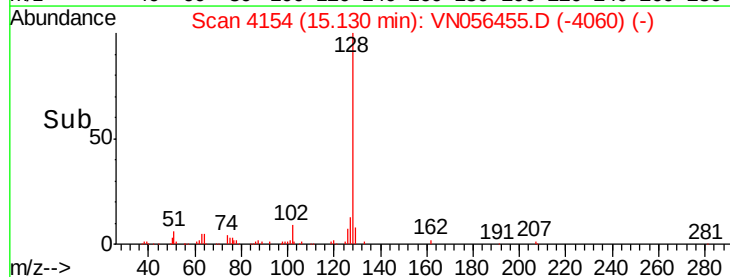
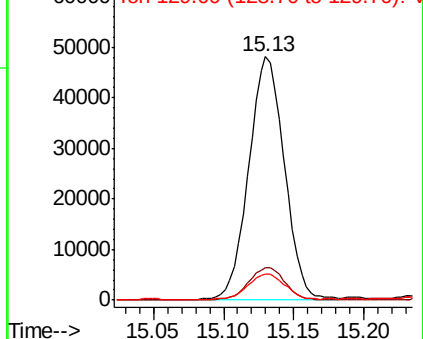
128 100

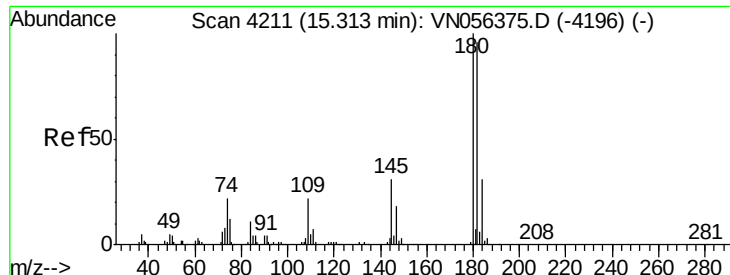
127 13.5 10.2 15.2

129 11.7 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

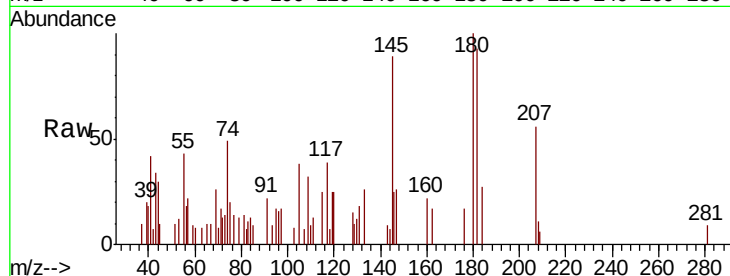




#96
 1,2,3-Trichlorobenzene
 Concen: 5.471 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN056455.D
 Acq: 24 Jun 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(7.5-8)

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.3	144.8
145	0.0	15.4	46.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

