

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051342.D
 Acq On : 20 Sep 2018 16:08
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Quant Time: Sep 21 06:41:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	744497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	500441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366313	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	7.59	113	367145	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	10.09	98	1428046	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.40	95	491716	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281784	45.29	ug/l	97
3) Chloromethane	2.06	50	361684	40.98	ug/l	98
4) Vinyl Chloride	2.18	62	407289	46.44	ug/l	99
5) Bromomethane	2.57	94	295268	48.27	ug/l	97
6) Chloroethane	2.70	64	253509	47.04	ug/l	99
7) Trichlorofluoromethane	3.01	101	589581	47.03	ug/l	99
8) Diethyl Ether	3.41	74	195111	48.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361260	46.96	ug/l	100
10) Methyl Iodide	3.95	142	570327	50.09	ug/l	99
11) Tert butyl alcohol	4.79	59	101635	237.58	ug/l	99
12) 1,1-Dichloroethene	3.74	96	335192	48.13	ug/l	99
13) Acrolein	3.61	56	114658	234.17	ug/l	100
14) Allyl chloride	4.32	41	485954	49.51	ug/l	99
15) Acrylonitrile	4.99	53	517572	238.73	ug/l	99
16) Acetone	3.82	43	333535	201.21	ug/l	99
17) Carbon Disulfide	4.05	76	1002721	47.79	ug/l	100
18) Methyl Acetate	4.32	43	229094	40.22	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	859824	51.01	ug/l	99
20) Methylene Chloride	4.55	84	375716	45.30	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	364771	49.59	ug/l	98
22) Diisopropyl ether	5.95	45	979082	50.50	ug/l	99
23) Vinyl Acetate	5.90	43	3216066	256.43	ug/l	100
24) 1,1-Dichloroethane	5.85	63	630412	47.70	ug/l	99
25) 2-Butanone	6.83	43	541621	234.92	ug/l	98
26) 2,2-Dichloropropane	6.82	77	533574	48.86	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	405119	49.71	ug/l	99
28) Bromochloromethane	7.19	49	270377	49.36	ug/l	98
29) Tetrahydrofuran	7.21	42	350811	240.18	ug/l	99
30) Chloroform	7.37	83	645545	46.48	ug/l	99
31) Cyclohexane	7.65	56	573403	44.09	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	571033	47.71	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506671	50.56	ug/l	100
37) Ethyl Acetate	6.93	43	250553	50.51	ug/l	98
38) Carbon Tetrachloride	7.77	117	531776	49.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	643786	55.05	ug/l	99
40) Benzene	8.04	78	1493034	49.45	ug/l	99
41) Methacrylonitrile	7.17	41	126853	49.08	ug/l	96
42) 1,2-Dichloroethane	8.12	62	434709	47.66	ug/l	99
43) Isopropyl Acetate	8.16	43	446864	51.43	ug/l	99
44) Trichloroethene	8.83	130	432096	49.85	ug/l	99
45) 1,2-Dichloropropane	9.12	63	382931	49.56	ug/l	100
46) Dibromomethane	9.21	93	231193	48.54	ug/l	100
47) Bromodichloromethane	9.40	83	498783	49.10	ug/l	98
48) Methyl methacrylate	9.20	41	225692	50.96	ug/l	98
49) 1,4-Dioxane	9.20	88	66168	1010.18	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1205518	257.95	ug/l	100
52) Toluene	10.16	92	964840	51.90	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514073	52.70	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	593258	52.53	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	334032	47.90	ug/l	99
56) Ethyl methacrylate	10.43	69	397424	53.96	ug/l	99
57) 1,3-Dichloropropane	10.71	76	548450	49.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1016482	280.67	ug/l	99
59) 2-Hexanone	10.75	43	812081	257.75	ug/l	99
60) Dibromochloromethane	10.90	129	404629	49.76	ug/l	99
61) 1,2-Dibromoethane	11.01	107	333368	49.72	ug/l	99
64) Tetrachloroethene	10.63	164	398350	49.98	ug/l	97
65) Chlorobenzene	11.43	112	1105375	50.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409760	49.29	ug/l	100
67) Ethyl Benzene	11.51	91	1841201	53.90	ug/l	100
68) m/p-Xylenes	11.62	106	1479957	110.27	ug/l	100
69) o-Xylene	11.95	106	707402	54.68	ug/l	99
70) Styrene	11.96	104	1138725	56.70	ug/l	99
71) Bromoform	12.13	173	286971	50.86	ug/l	# 100
73) Isopropylbenzene	12.25	105	1883789	51.36	ug/l	100
74) N-amyl acetate	12.07	43	393494	50.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395368	43.68	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	481954	66.69	ug/l	# 100
77) Bromobenzene	12.53	156	490205	48.37	ug/l	100
78) n-propylbenzene	12.59	91	2113535	52.86	ug/l	100
79) 2-Chlorotoluene	12.67	91	1238639	50.27	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1593480	53.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112870	54.07	ug/l	94
82) 4-Chlorotoluene	12.77	91	1253499	52.34	ug/l	100
83) tert-Butylbenzene	12.99	119	1415663	53.19	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1596067	54.08	ug/l	99
85) sec-Butylbenzene	13.17	105	1917015	54.17	ug/l	99
86) p-Isopropyltoluene	13.29	119	1723778	55.97	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	864341	50.74	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	840192	50.89	ug/l	100
89) n-Butylbenzene	13.61	91	1367560	57.12	ug/l	99
90) Hexachloroethane	13.87	117	304894	46.22	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	818298	49.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55906	46.63	ug/l	99

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QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

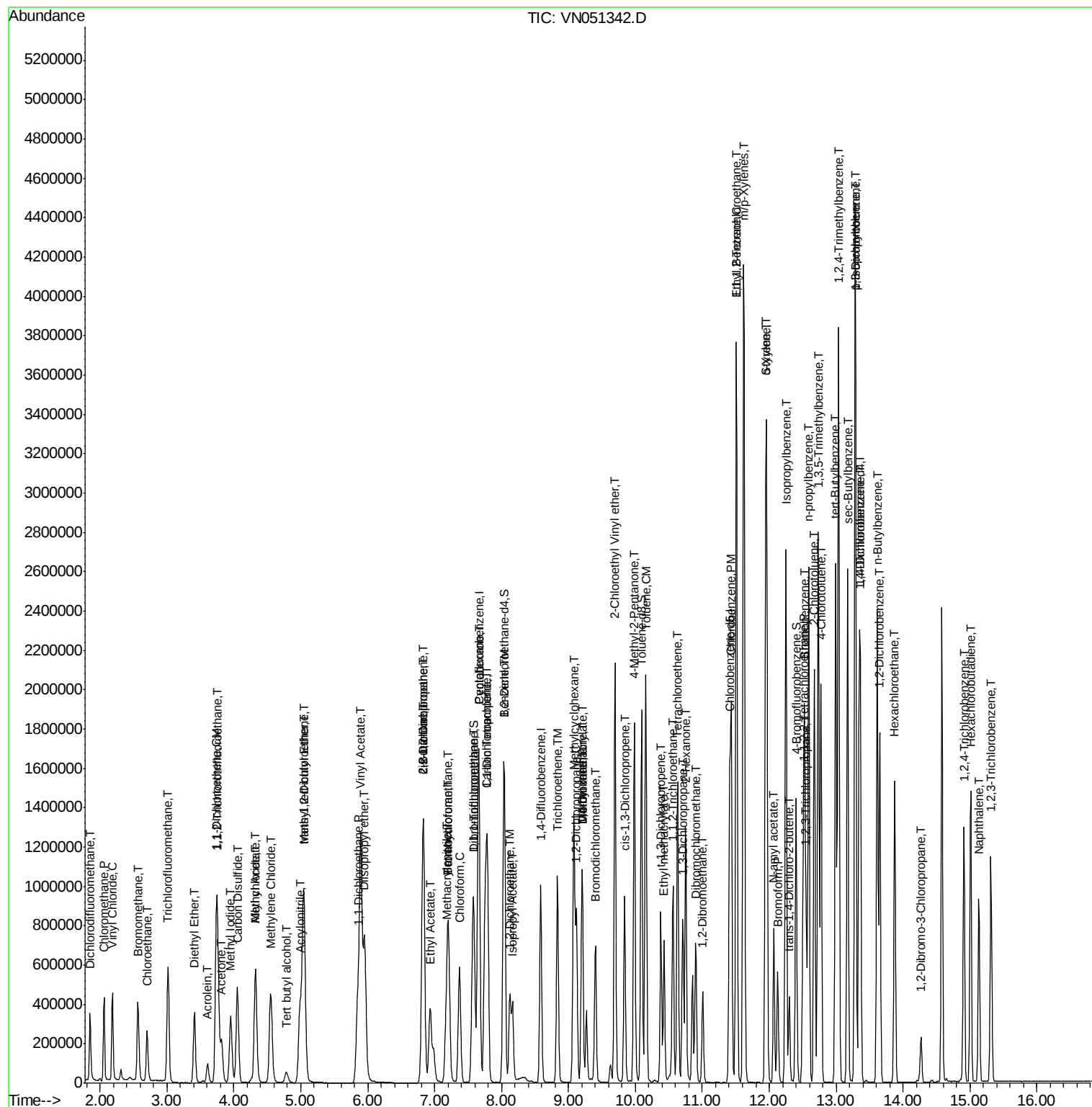
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	467907	62.03	ug/l	99
94) Hexachlorobutadiene	15.01	225	331462	51.91	ug/l	99
95) Naphthalene	15.13	128	831456	62.53	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	456432	60.82	ug/l	99

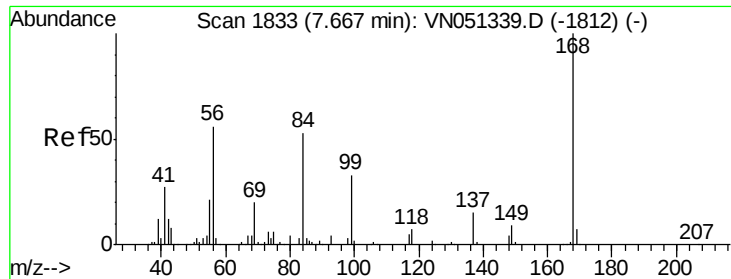
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

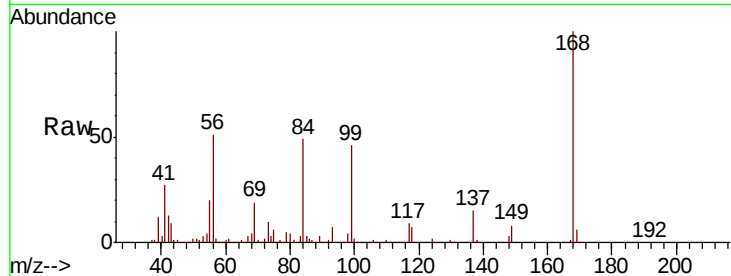
ICVVN092018

Tot Ion:168 Resp: 744497

Ion Ratio Lower Upper

168 100

99 46.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

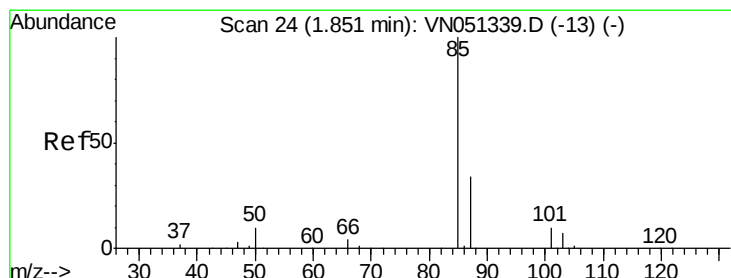
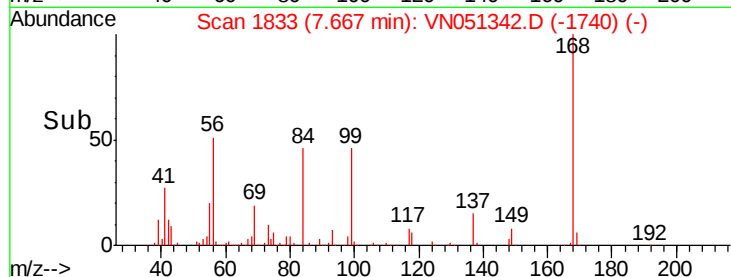
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.29 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051342.D

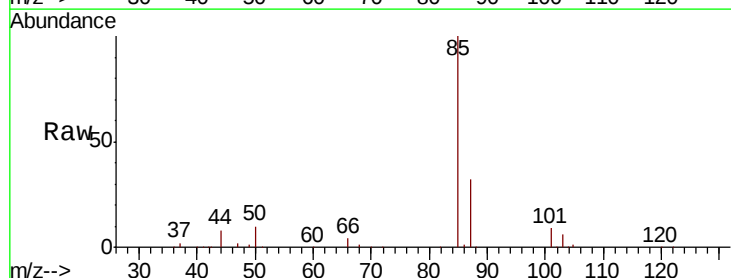
Acq: 20 Sep 2018 16:08

Tgt Ion: 85 Resp: 281784

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

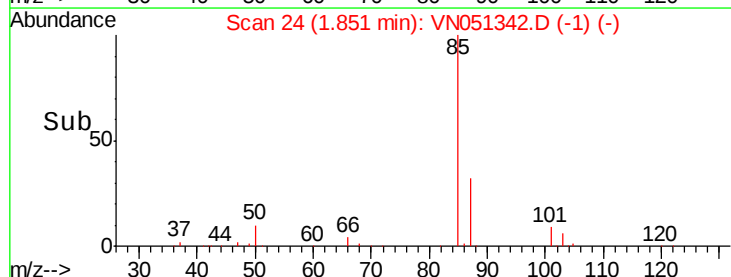
150000

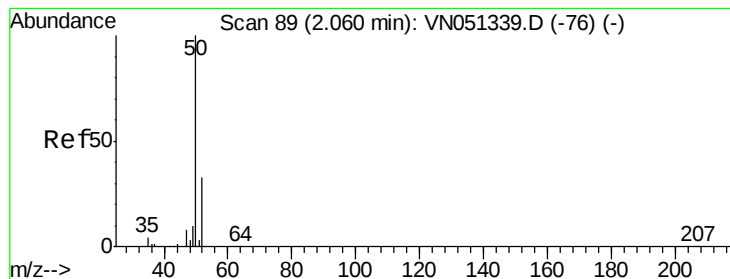
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.98 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

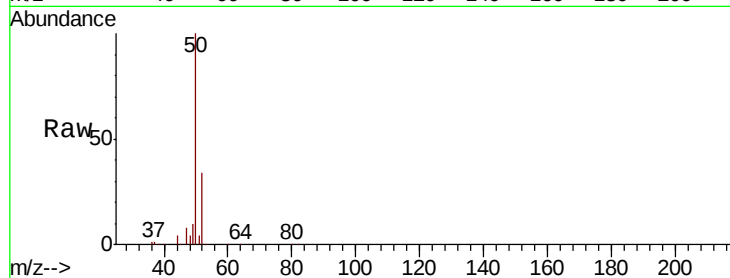
ICVFN092018

Tot Ion: 50 Resp: 361684

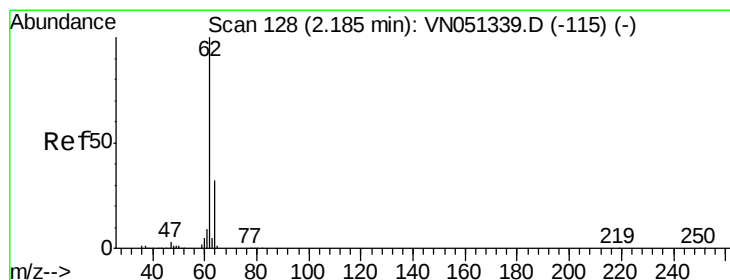
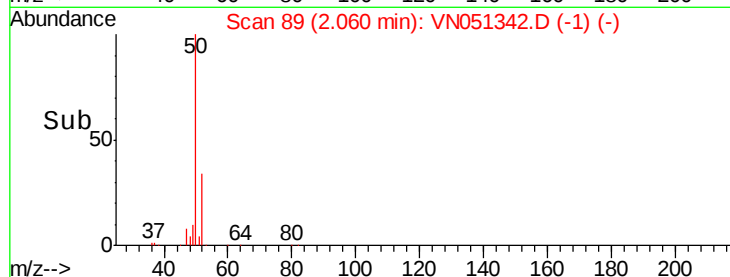
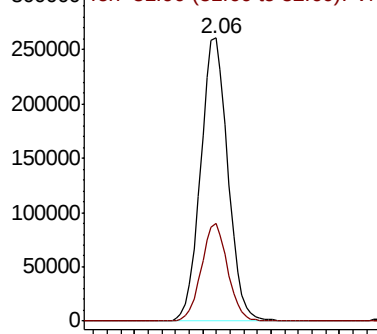
Ion Ratio Lower Upper

50 100

52 34.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.44 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051342.D

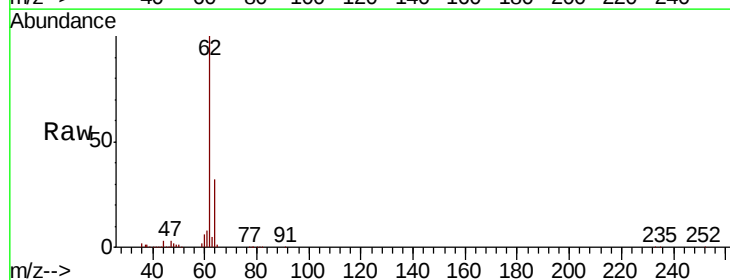
Acq: 20 Sep 2018 16:08

Tgt Ion: 62 Resp: 407289

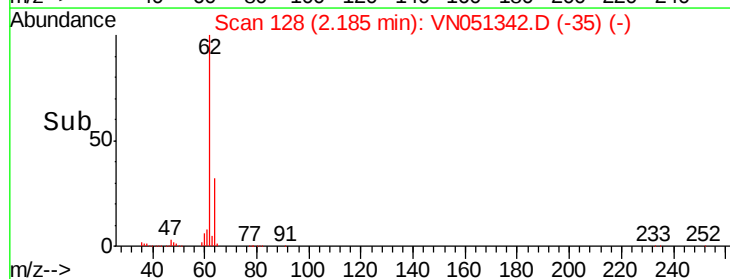
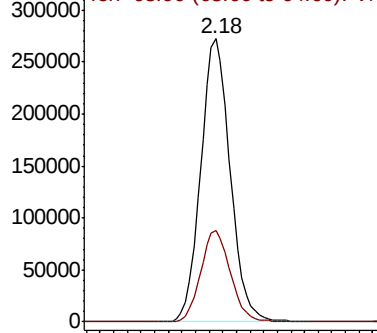
Ion Ratio Lower Upper

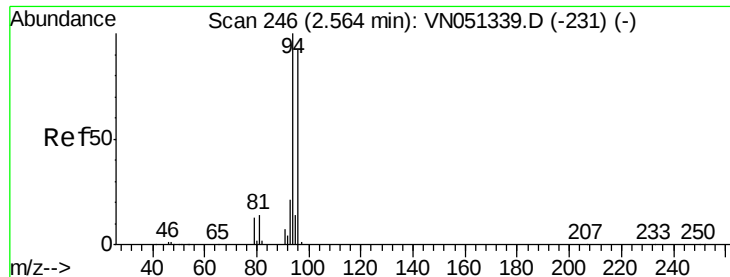
62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.27 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

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ClientSampleId :

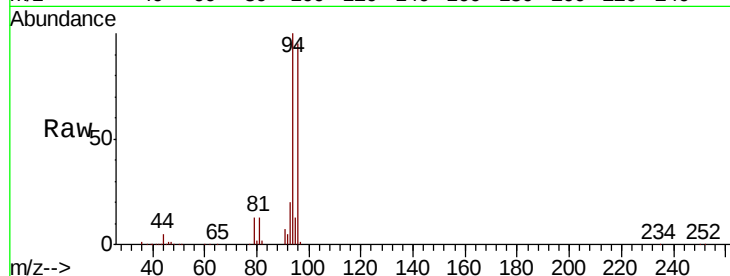
ICVFN092018

Tot Ion: 94 Resp: 295268

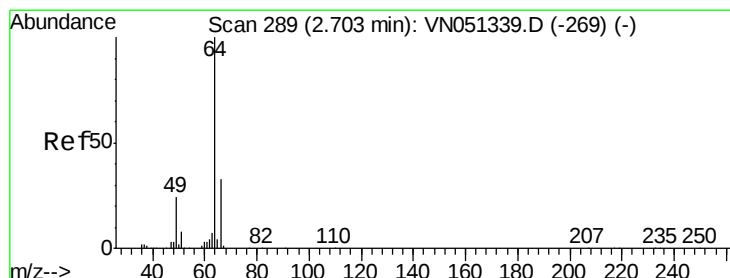
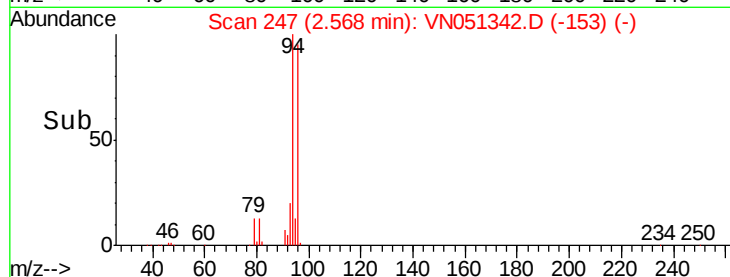
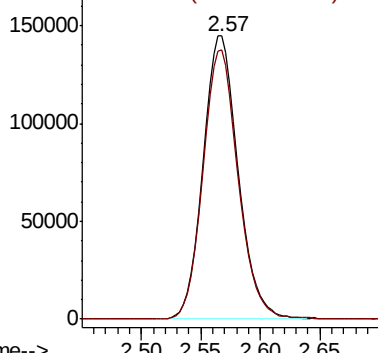
Ion Ratio Lower Upper

94 100

96 95.1 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.04 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051342.D

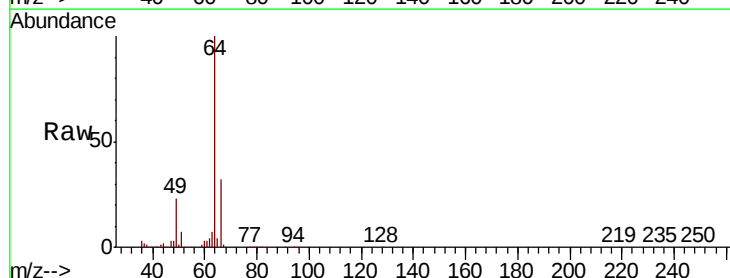
Acq: 20 Sep 2018 16:08

Tgt Ion: 64 Resp: 253509

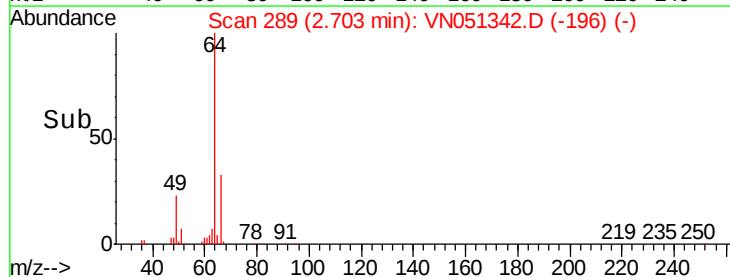
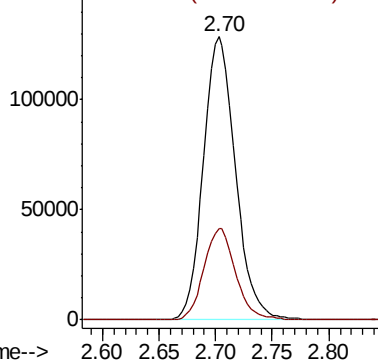
Ion Ratio Lower Upper

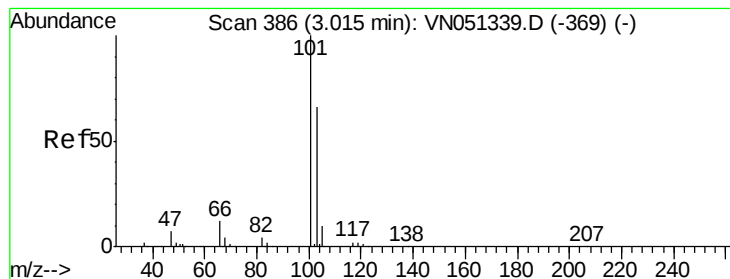
64 100

66 32.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 47.03 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

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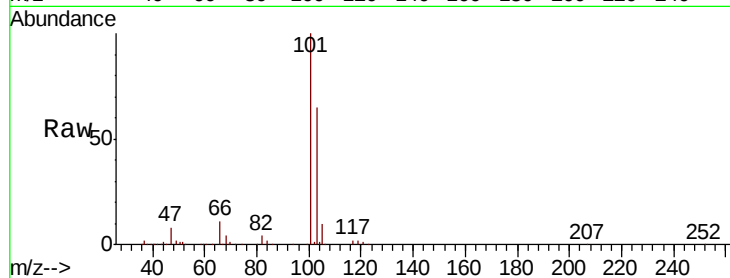
ICVVN092018

Tot Ion:101 Resp: 589581

Ion Ratio Lower Upper

101 100

103 64.8 52.7 79.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

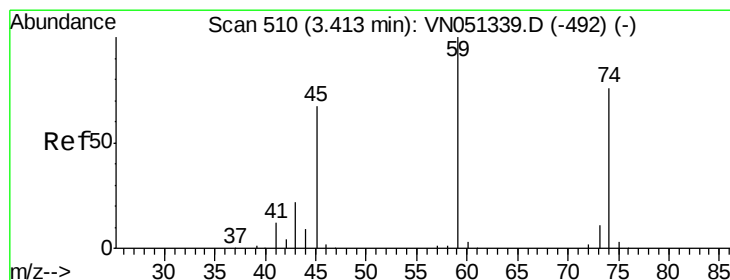
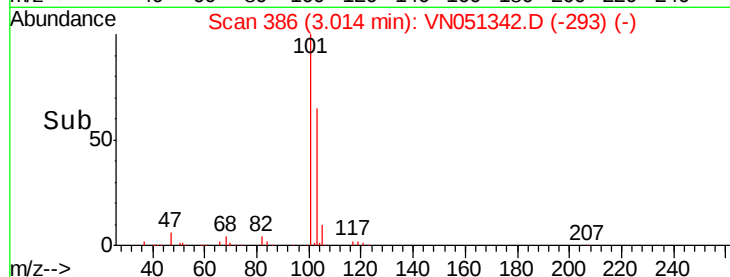
150000

100000

50000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 48.64 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051342.D

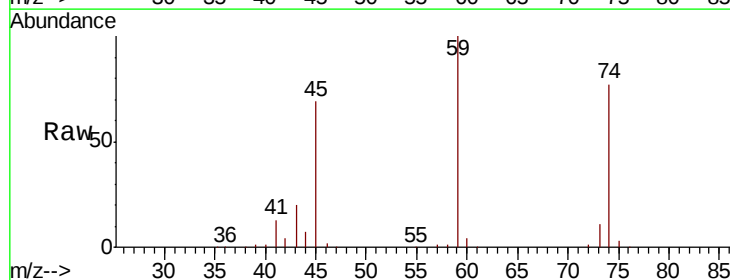
Acq: 20 Sep 2018 16:08

Tgt Ion: 74 Resp: 195111

Ion Ratio Lower Upper

74 100

45 88.8 44.1 132.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

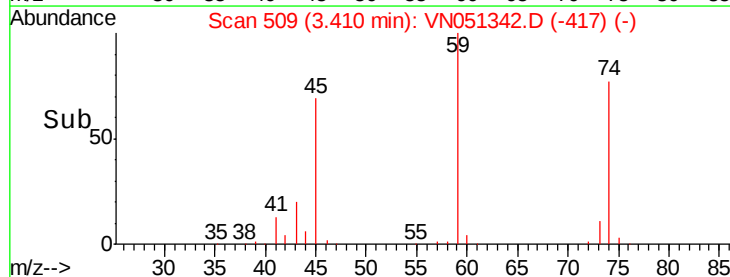
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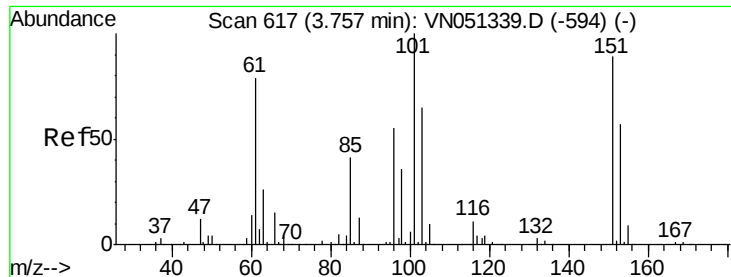
40000

20000

0

Time--> 3.30 3.35 3.40 3.45 3.50

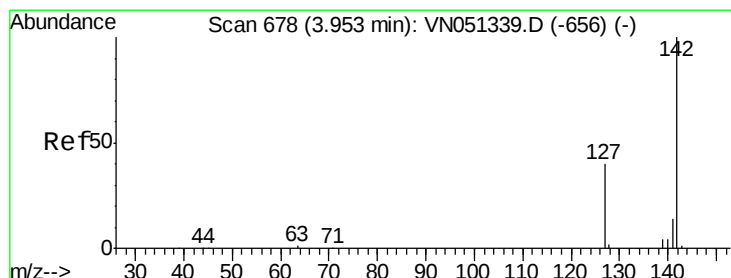
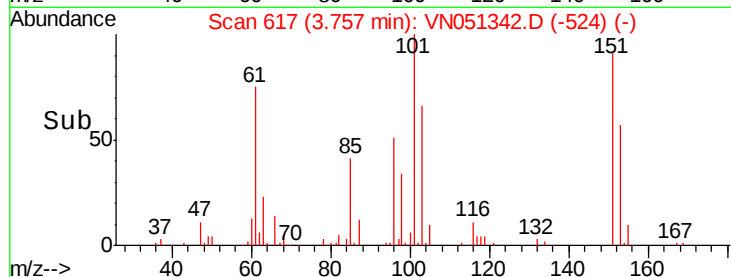
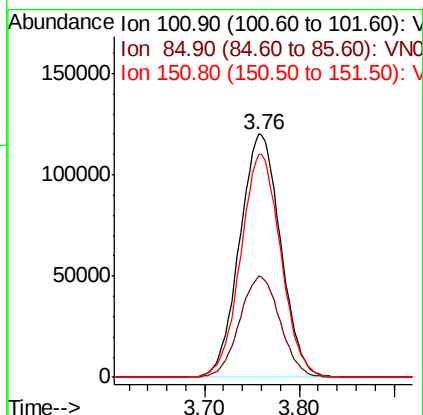
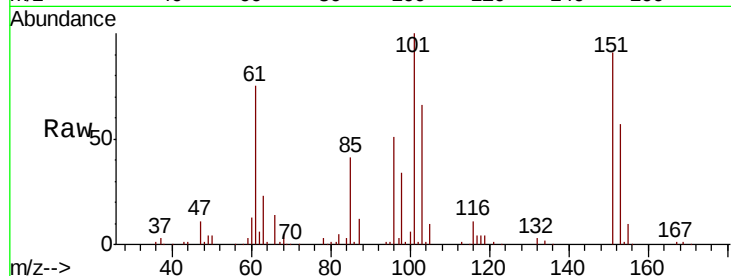




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.96 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

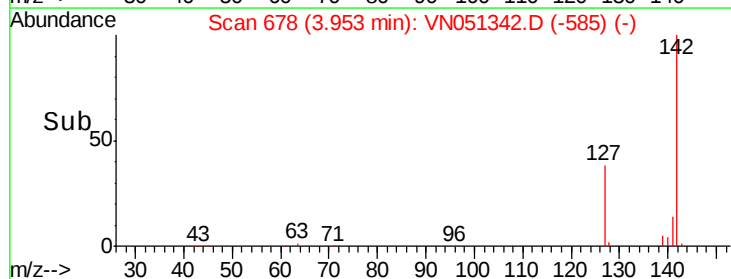
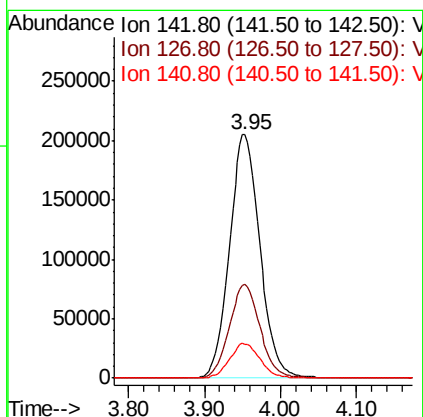
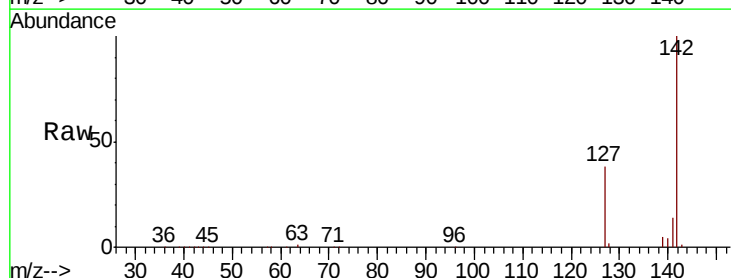
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092018

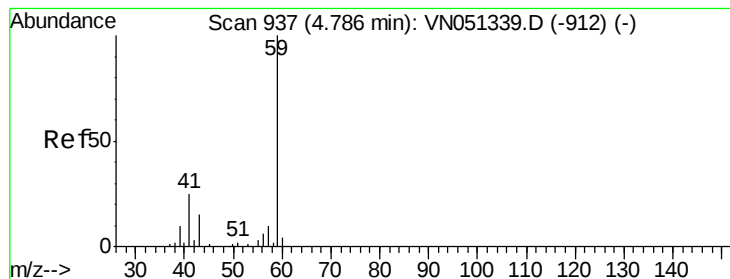
Tot Ion:101 Resp: 361260
 Ion Ratio Lower Upper
 101 100
 85 41.0 33.4 50.2
 151 89.8 71.8 107.6



#10
 Methyl Iodide
 Concen: 50.09 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion:142 Resp: 570327
 Ion Ratio Lower Upper
 142 100
 127 38.8 31.9 47.9
 141 14.2 11.4 17.0



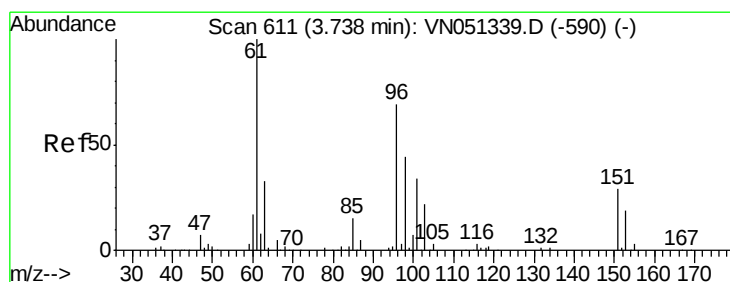
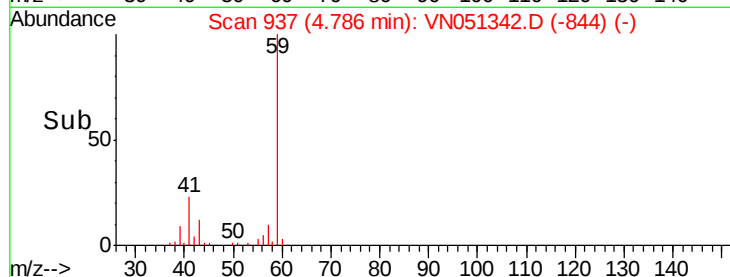
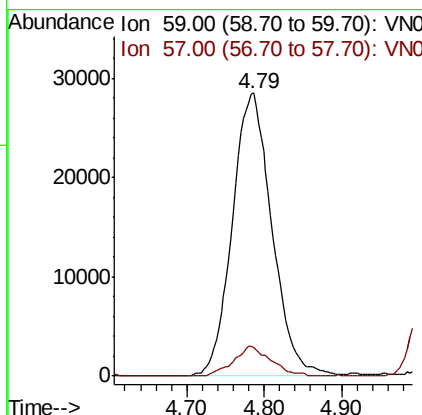
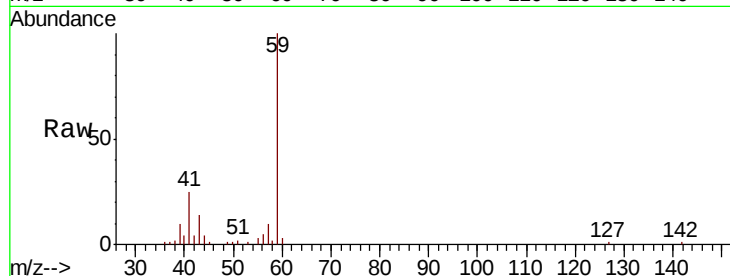


#11

Tert butyl alcohol
 Concen: 237.58 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

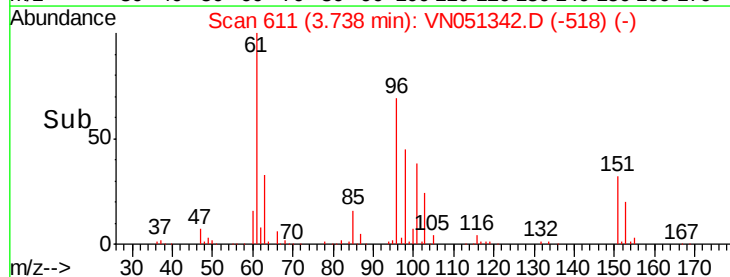
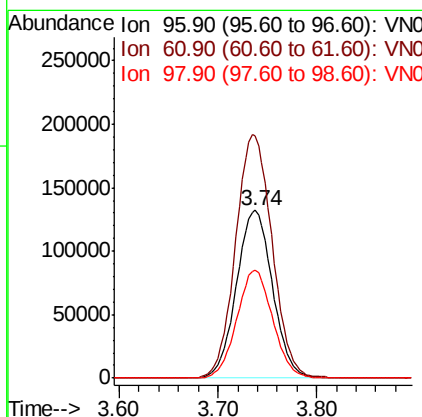
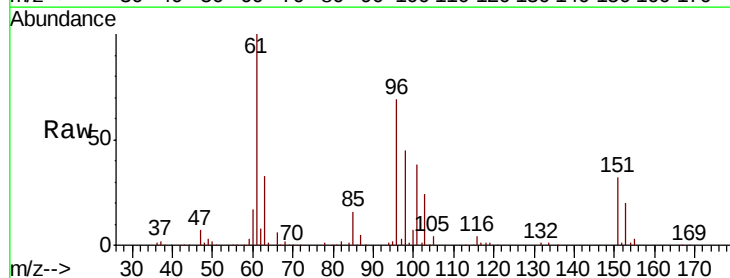
Tot Ion: 59 Resp: 101635
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

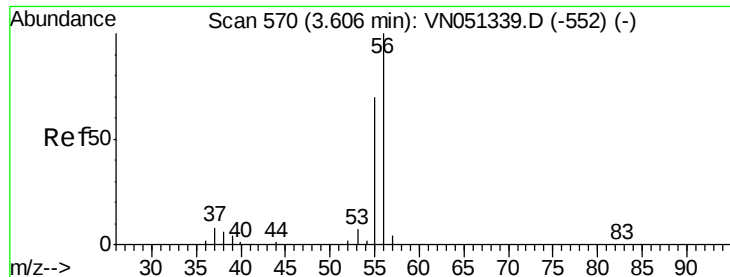


#12

1,1-Dichloroethene
 Concen: 48.13 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion: 96 Resp: 335192
 Ion Ratio Lower Upper
 96 100
 61 144.1 116.4 174.6
 98 64.4 50.9 76.3





#13

Acrolein

Concen: 234.17 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

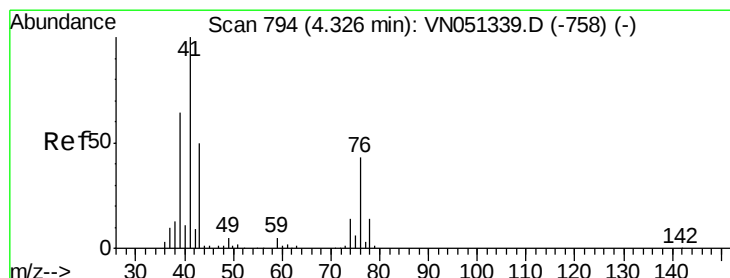
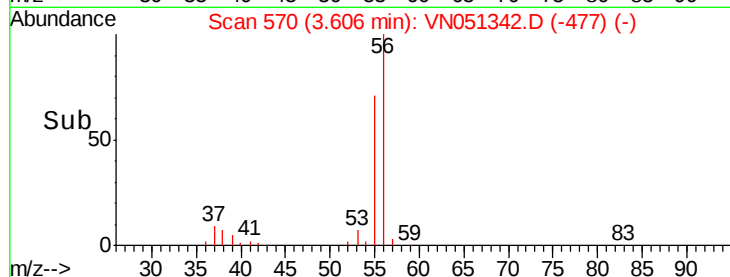
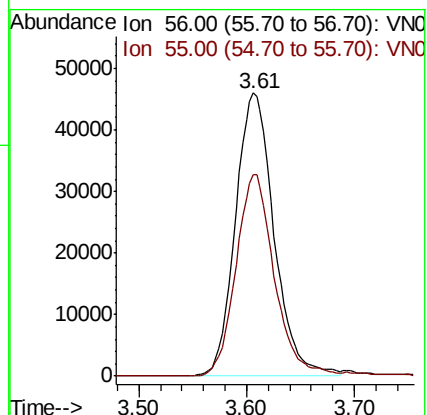
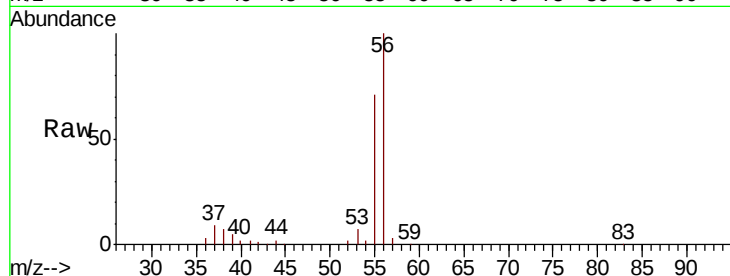
ICVVN092018

Tot Ion: 56 Resp: 114658

Ion Ratio Lower Upper

56 100

55 70.5 56.5 84.7



#14

Allyl chloride

Concen: 49.51 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

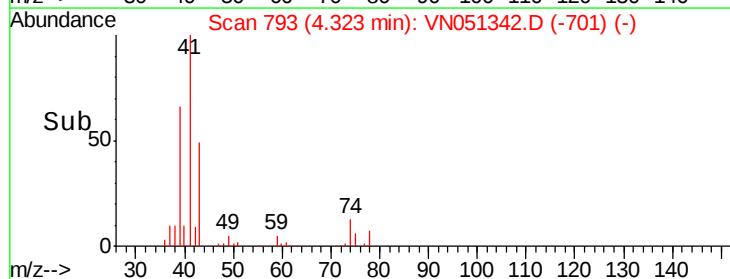
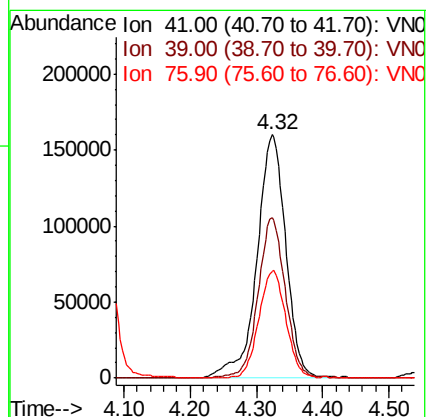
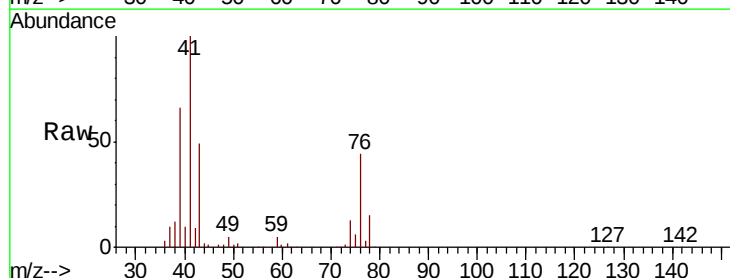
Tgt Ion: 41 Resp: 485954

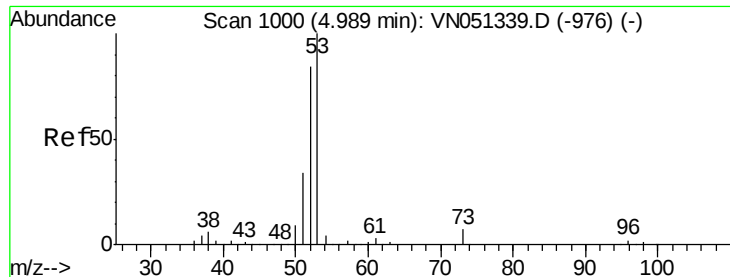
Ion Ratio Lower Upper

41 100

39 62.2 50.4 75.6

76 40.6 32.4 48.6





#15

Acrylonitrile

Concen: 238.73 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

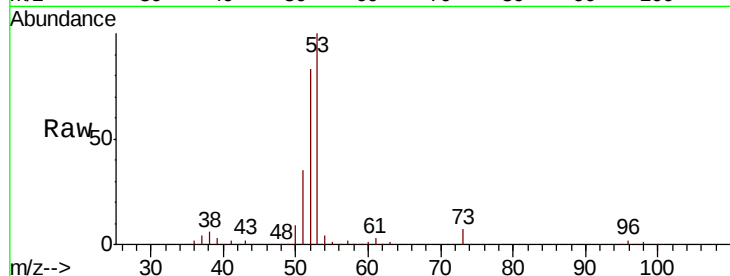
Tot Ion: 53 Resp: 517572

Ion Ratio Lower Upper

53 100

52 82.7 65.4 98.0

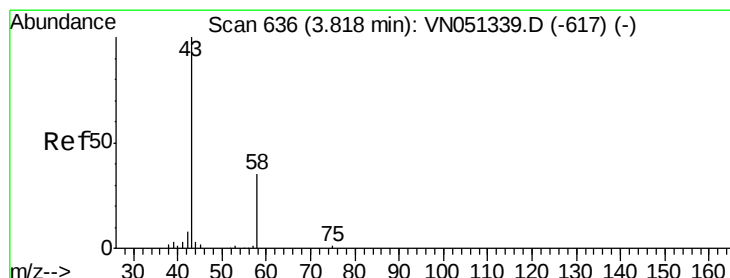
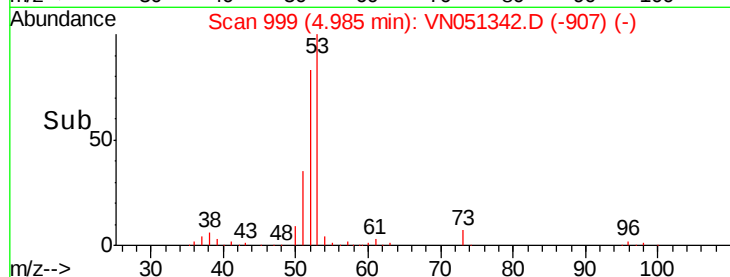
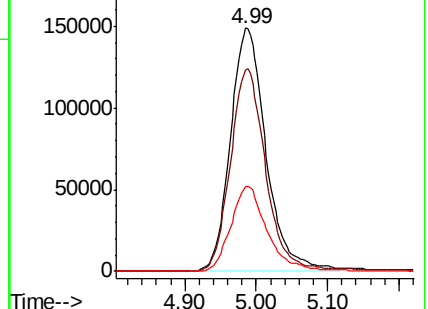
51 35.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 201.21 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051342.D

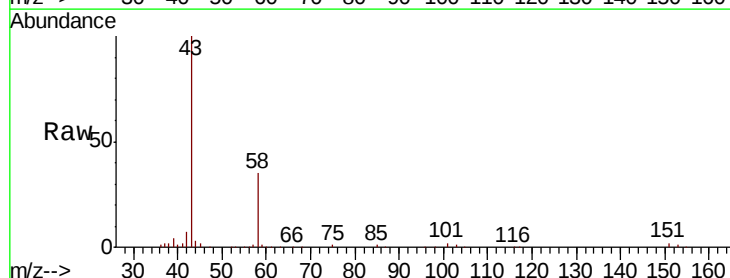
Acq: 20 Sep 2018 16:08

Tgt Ion: 43 Resp: 333535

Ion Ratio Lower Upper

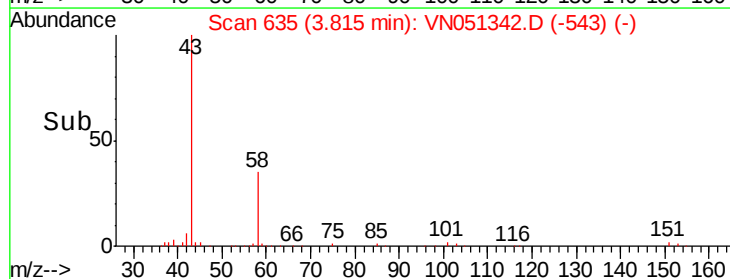
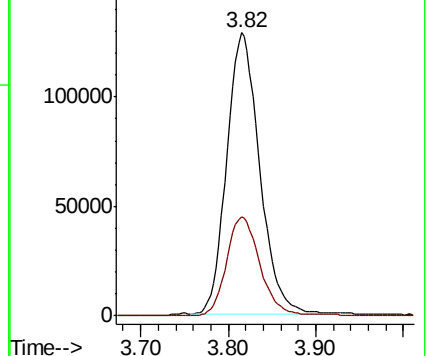
43 100

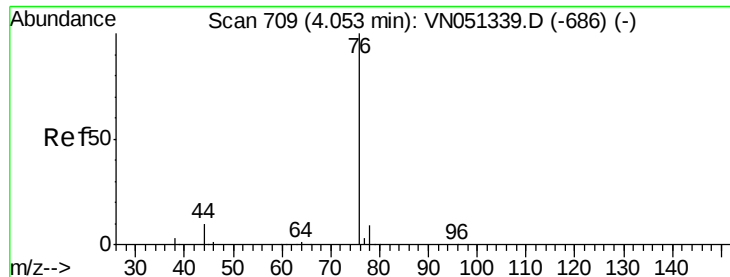
58 35.1 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

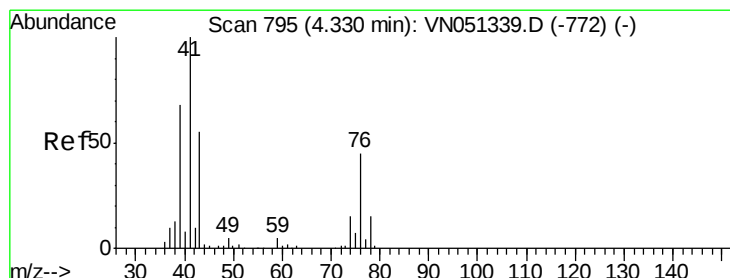
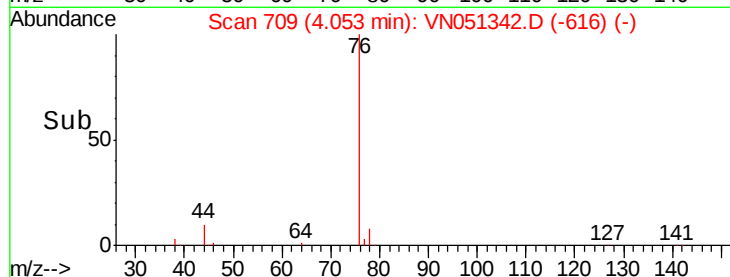
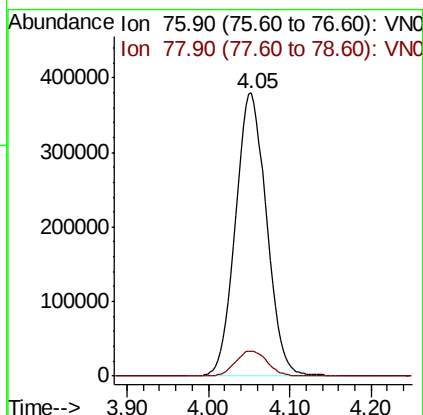
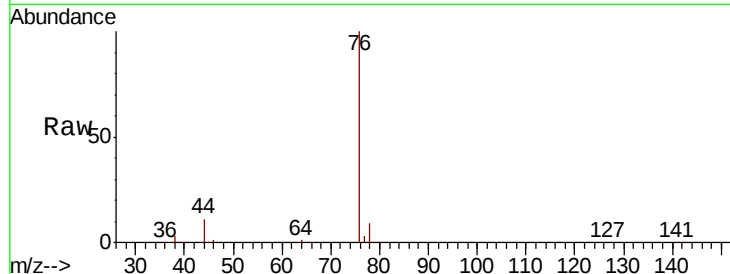




#17
Carbon Disulfide
Concen: 47.79 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

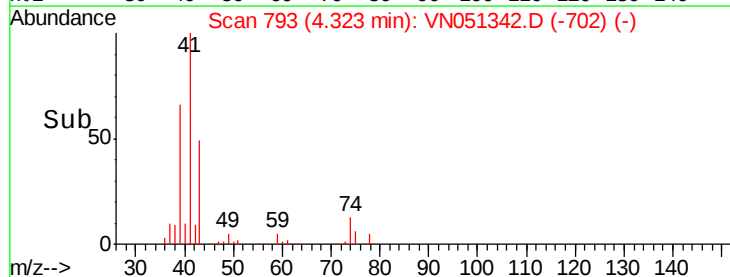
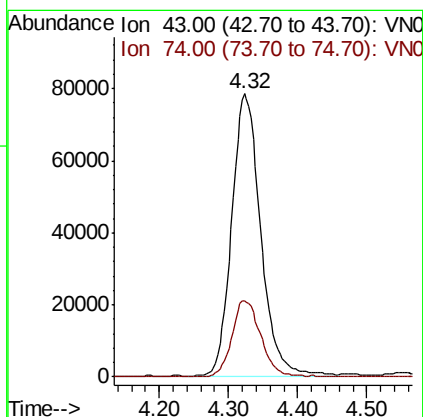
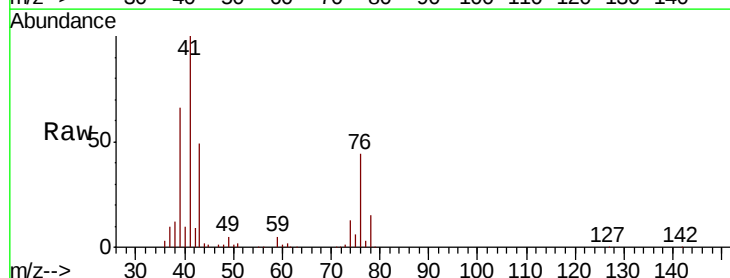
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

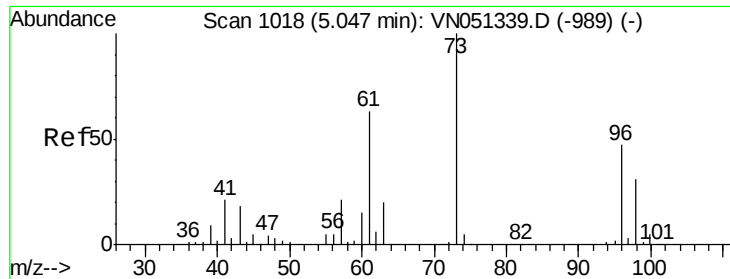
Tot Ion: 76 Resp: 1002721
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 40.22 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 43 Resp: 229094
Ion Ratio Lower Upper
43 100
74 26.9 21.7 32.5

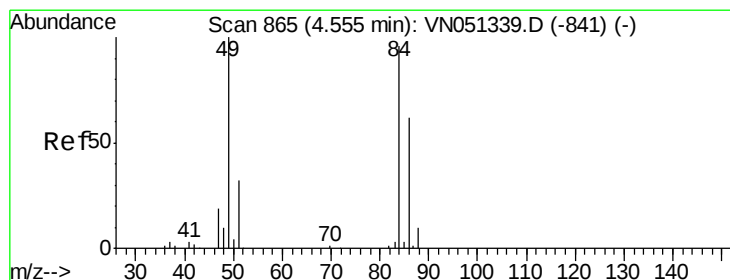
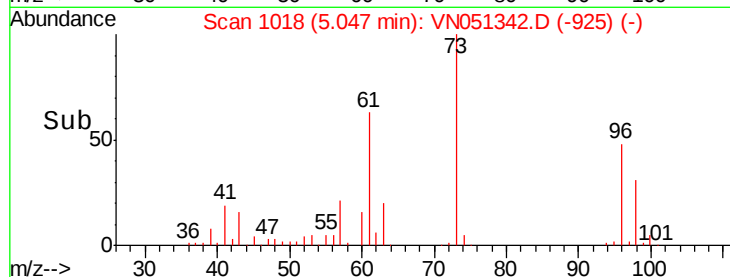
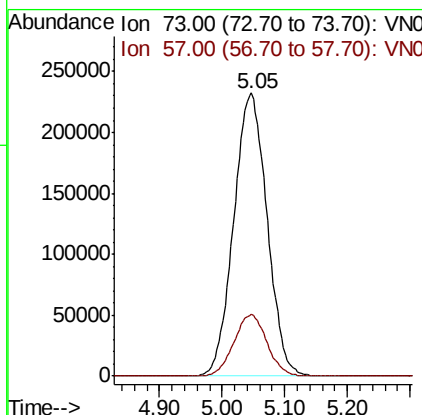
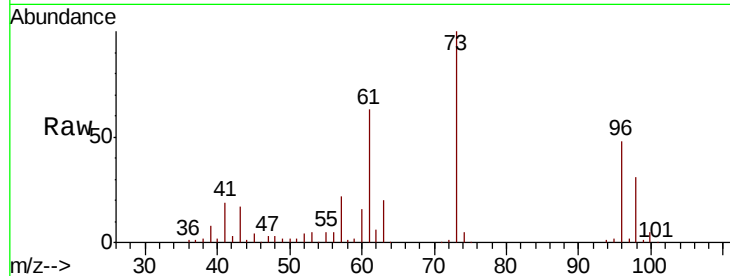




#19
Methvl tert-butvl Ether
Concen: 51.01 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

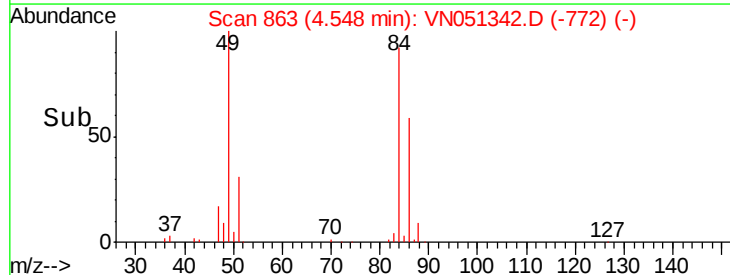
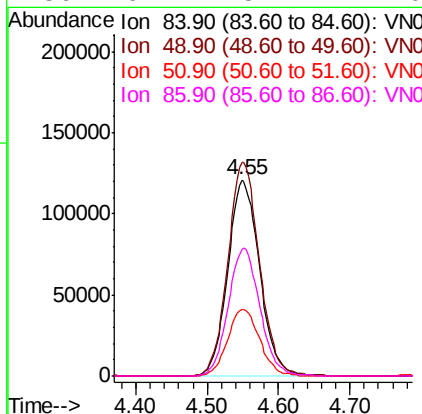
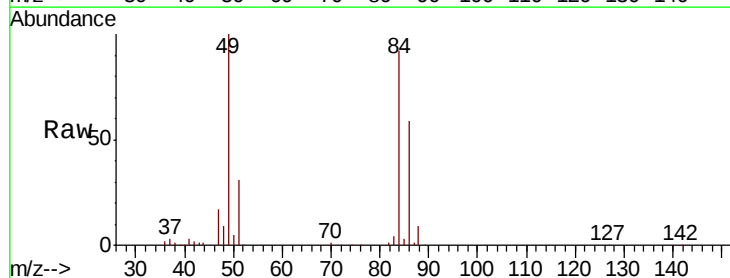
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

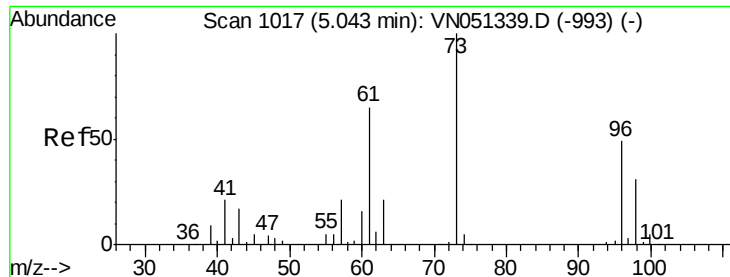
Tot Ion: 73 Resp: 859824
Ion Ratio Lower Upper
73 100
57 21.7 16.9 25.3



#20
Methylene Chloride
Concen: 45.30 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 84 Resp: 375716
Ion Ratio Lower Upper
84 100
49 108.8 83.2 124.8
51 33.7 26.4 39.6
86 64.4 51.4 77.0

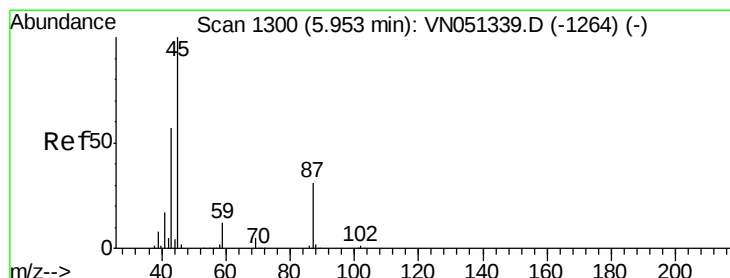
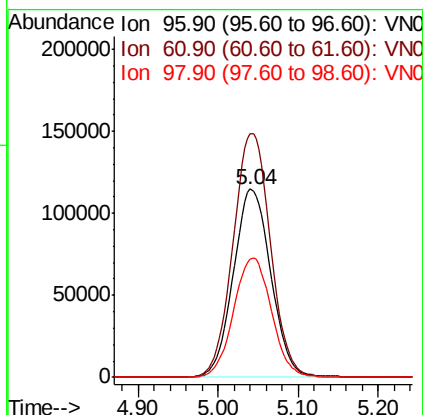
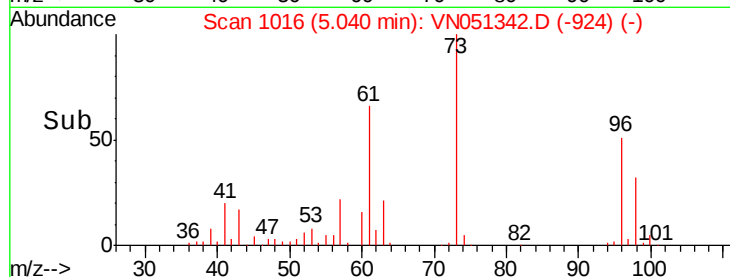
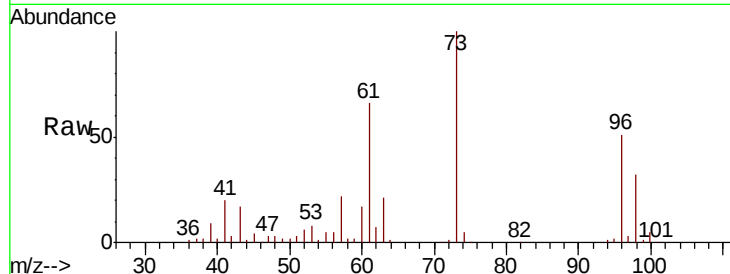




#21
trans-1,2-Dichloroethene
Concen: 49.59 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

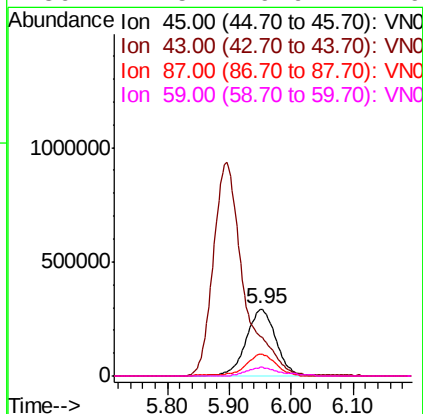
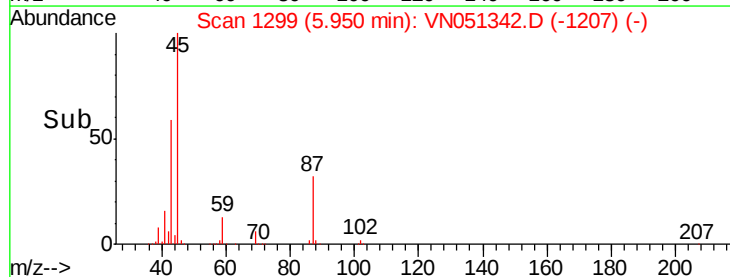
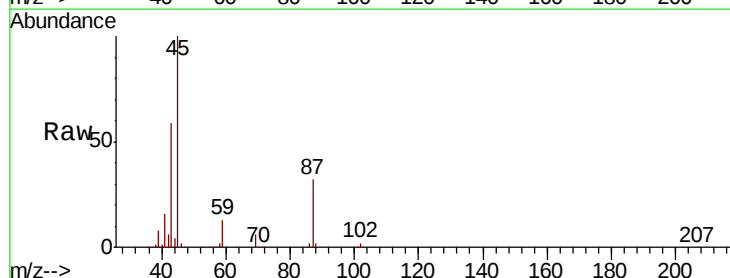
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

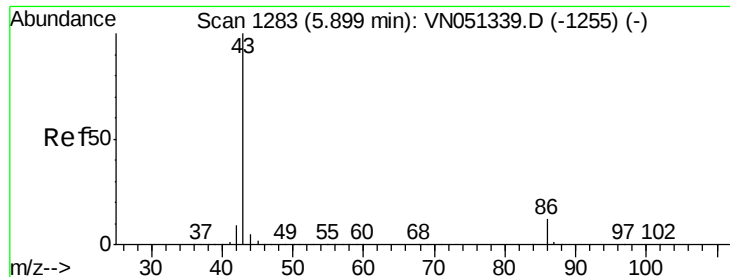
Tot Ion: 96 Resp: 364771
Ion Ratio Lower Upper
96 100
61 129.2 106.2 159.4
98 63.0 51.0 76.6



#22
Diisopropyl ether
Concen: 50.50 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 45 Resp: 979082
Ion Ratio Lower Upper
45 100
43 58.3 46.1 69.1
87 32.2 25.6 38.4
59 12.5 9.9 14.9





#23

Vinyl Acetate

Concen: 256.43 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

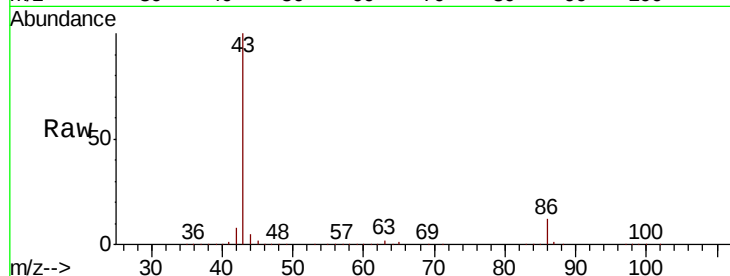
ICVVN092018

Tot Ion: 43 Resp: 3216066

Ion Ratio Lower Upper

43 100

86 12.4 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1000000

800000

600000

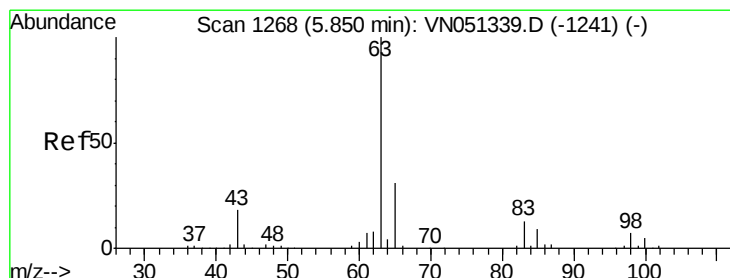
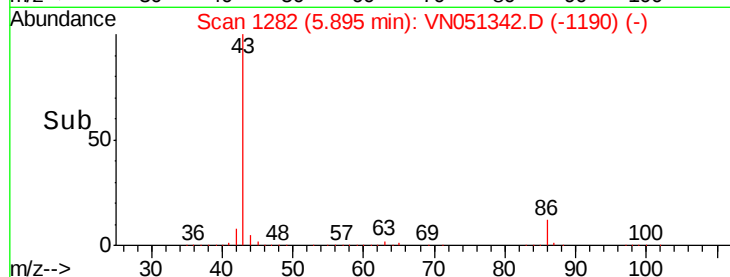
400000

200000

0

Time-->

5.80 6.00



#24

1,1-Dichloroethane

Concen: 47.70 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

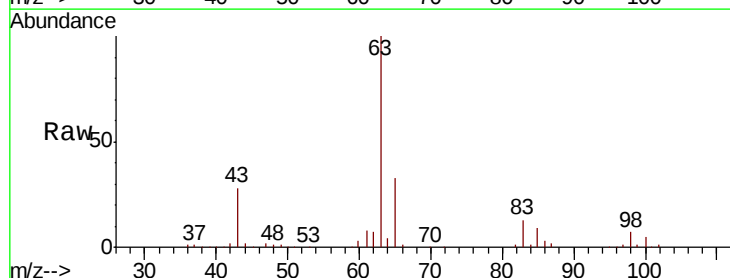
Tgt Ion: 63 Resp: 630412

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.9 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

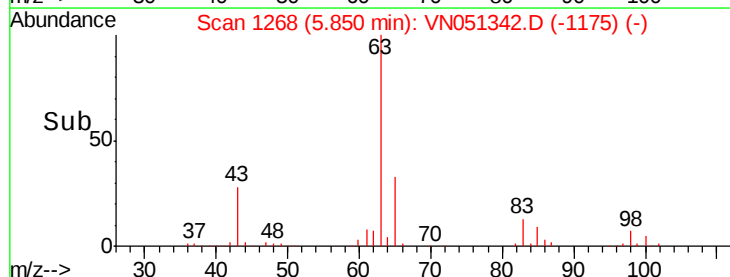
100000

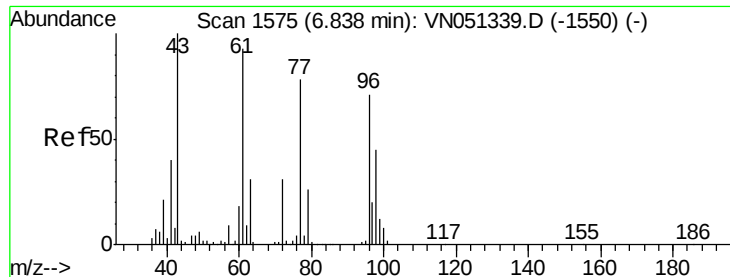
50000

0

Time-->

5.70 5.80 5.90 6.00

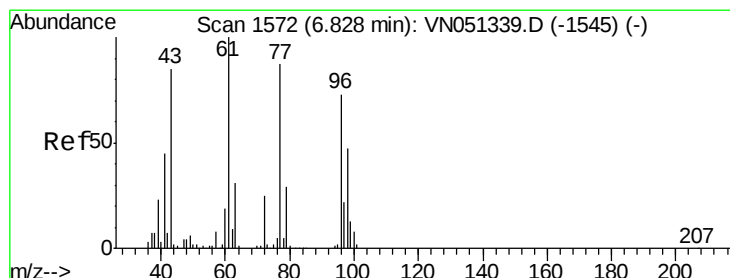
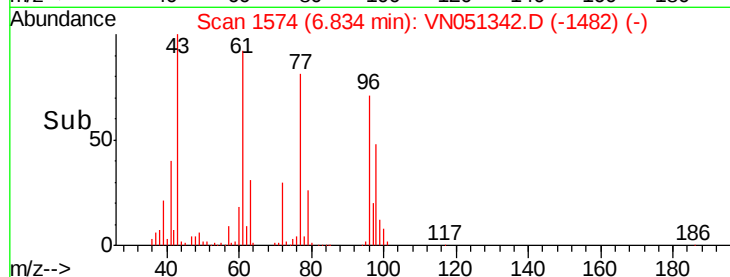
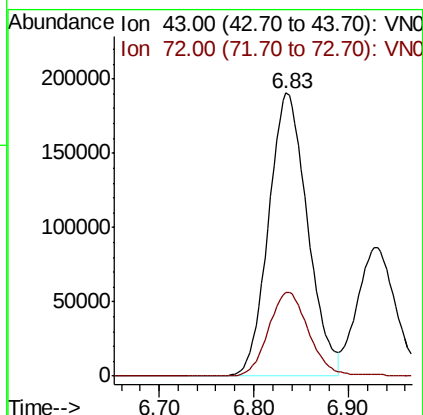
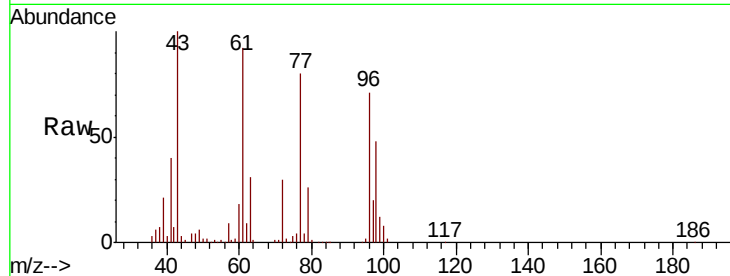




#25
2-Butanone
Concen: 234.92 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

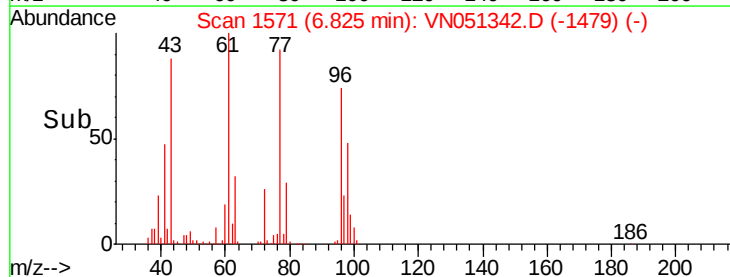
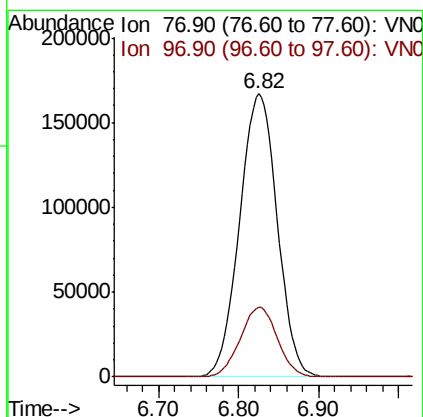
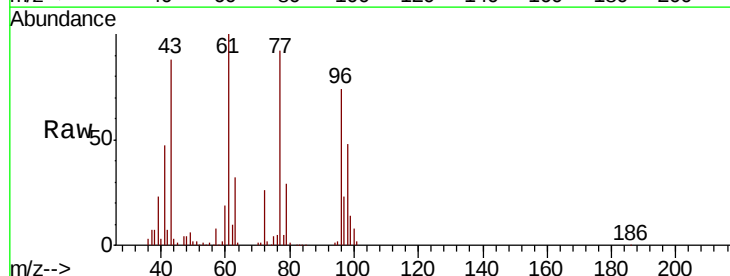
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

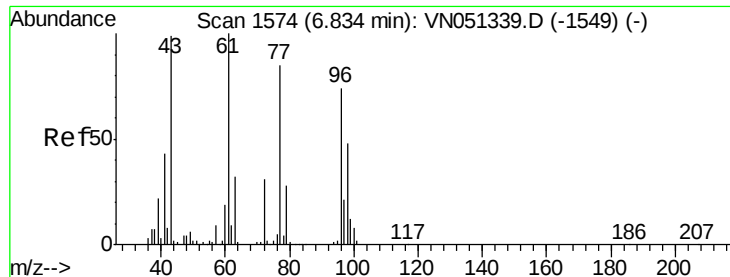
Tot Ion: 43 Resp: 541621
Ion Ratio Lower Upper
43 100
72 29.5 24.7 37.1



#26
2,2-Dichloropropane
Concen: 48.86 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 77 Resp: 533574
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.71 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

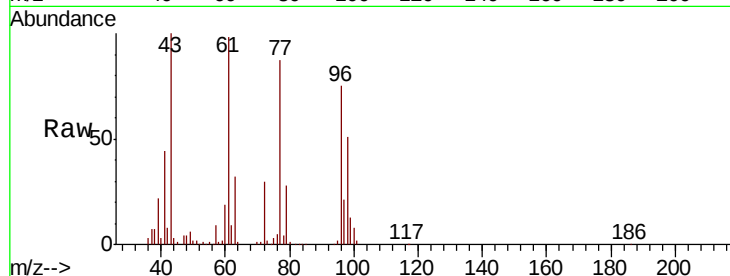
Tot Ion: 96 Resp: 405119

Ion Ratio Lower Upper

96 100

61 134.0 0.0 271.2

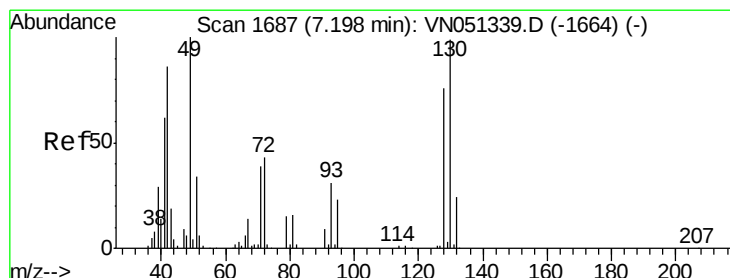
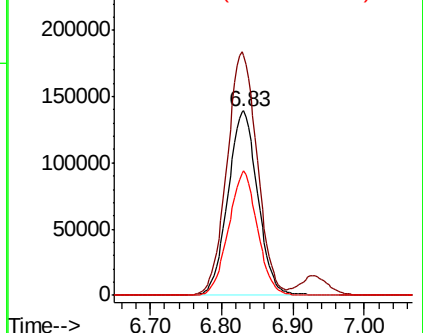
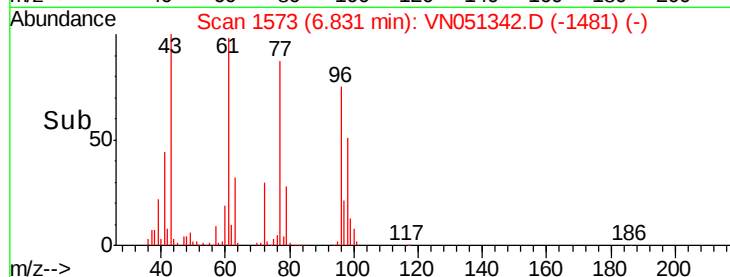
98 65.4 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.36 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

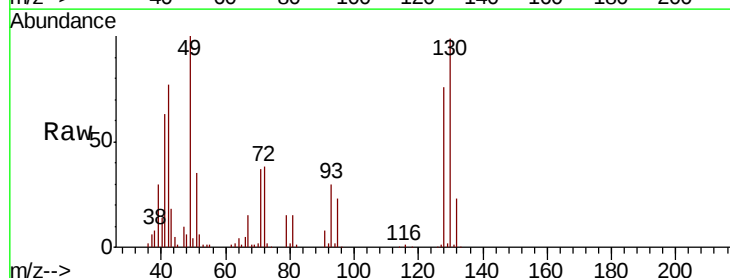
Tgt Ion: 49 Resp: 270377

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

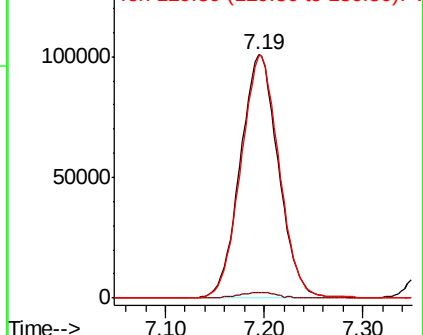
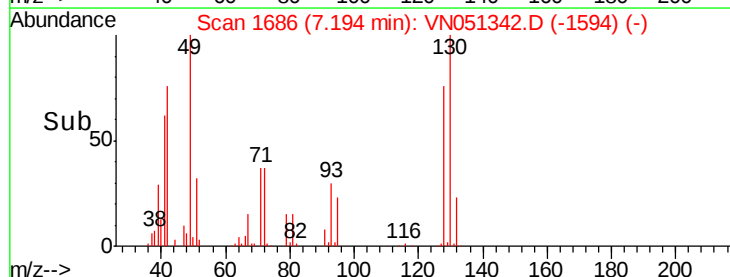
130 99.1 77.4 116.2

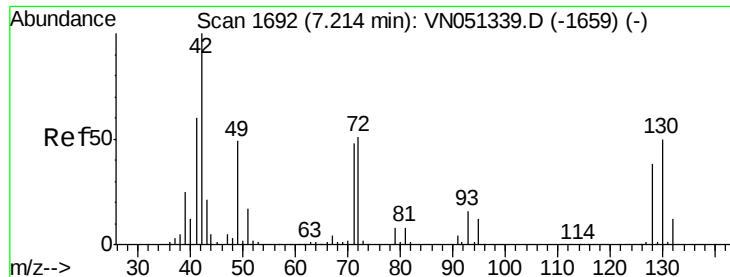


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

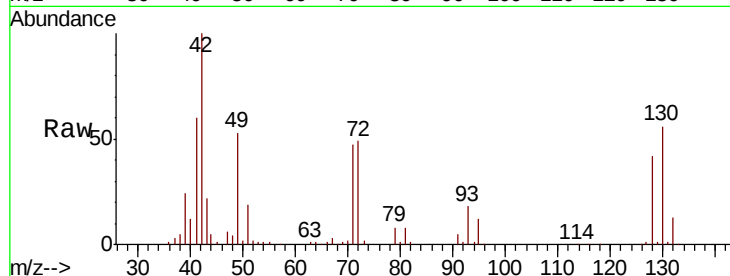




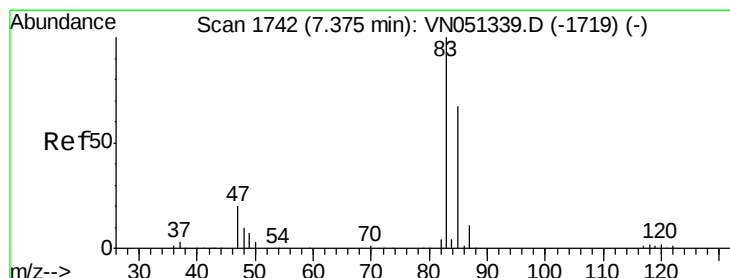
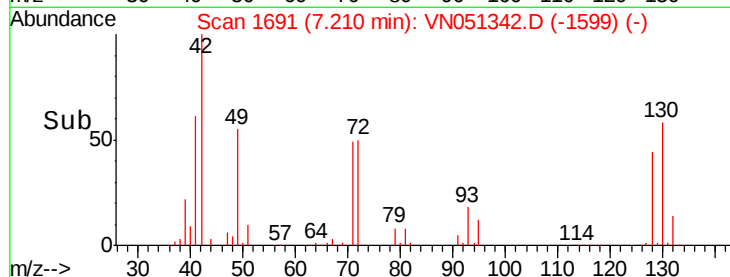
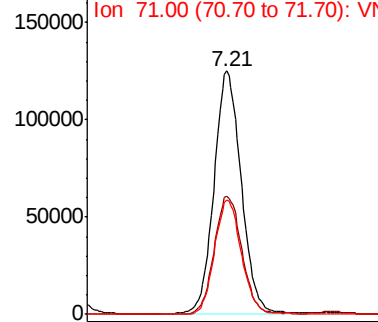
#29
Tetrahydrofuran
Concen: 240.18 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion: 42 Resp: 350811
Ion Ratio Lower Upper
42 100
72 49.6 39.0 58.4
71 46.3 36.5 54.7

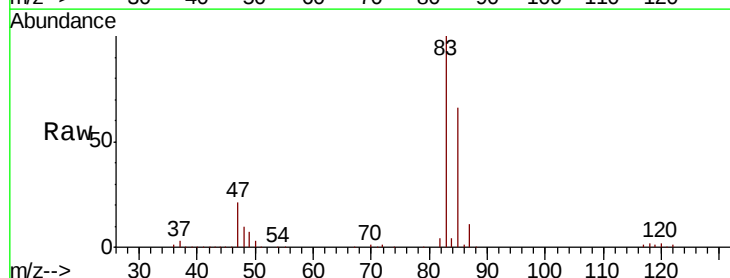


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

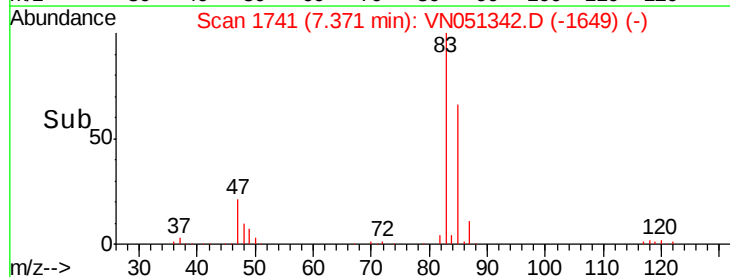
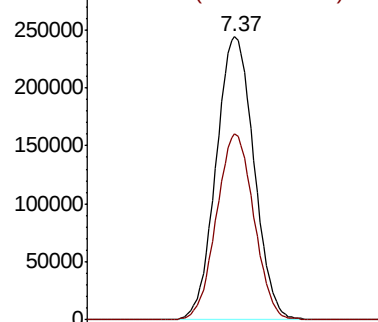


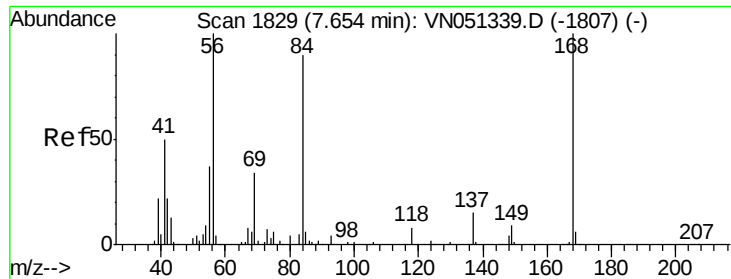
#30
Chloroform
Concen: 46.48 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 83 Resp: 645545
Ion Ratio Lower Upper
83 100
85 65.8 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

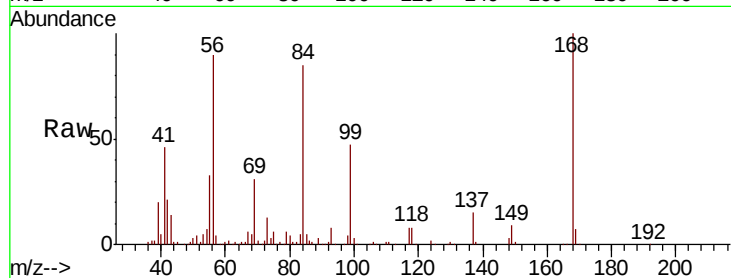




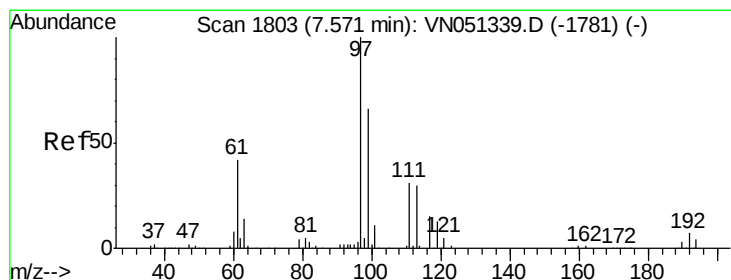
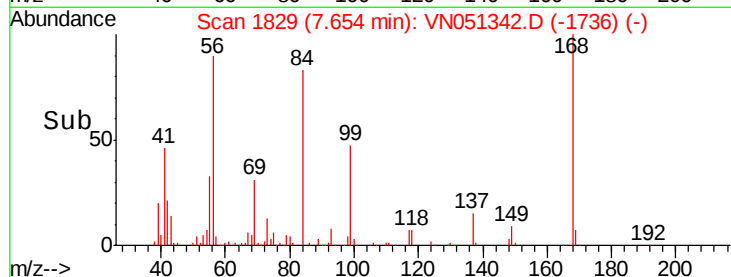
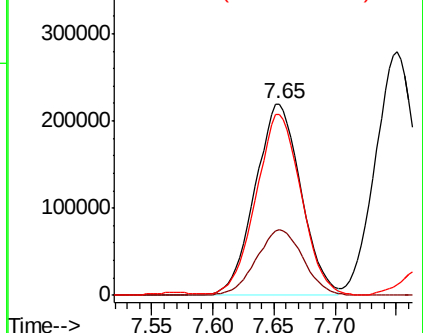
#31
Cyclohexane
Concen: 44.09 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion: 56 Resp: 573403
Ion Ratio Lower Upper
56 100
69 34.1 27.3 40.9
84 93.2 72.2 108.2

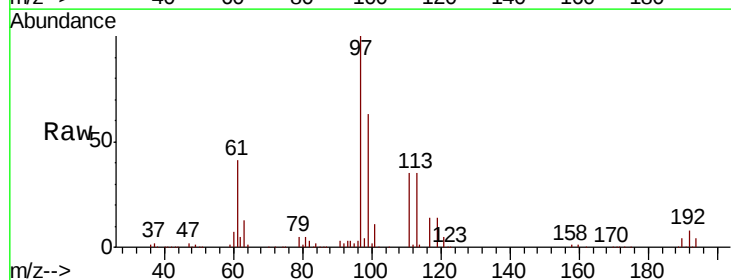


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

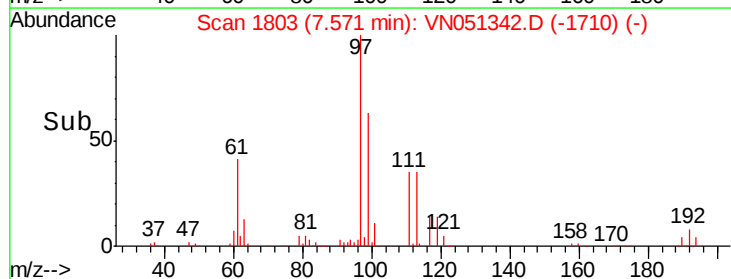
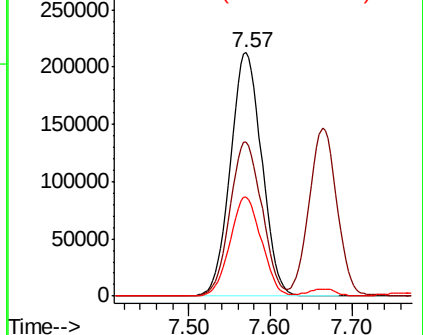


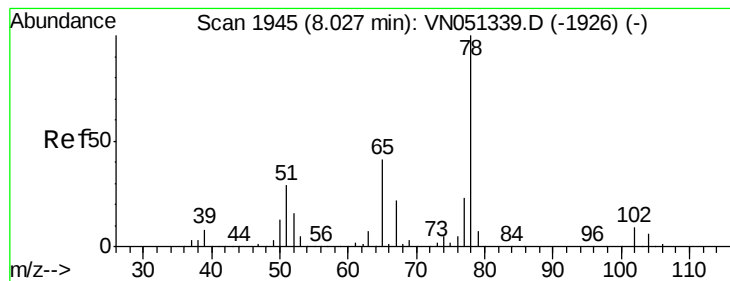
#32
1,1,1-Trichloroethane
Concen: 47.71 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 97 Resp: 571033
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 40.8 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 45.40 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

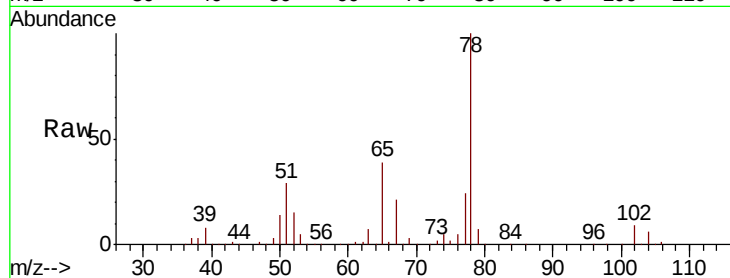
ICV092018

Tot Ion: 65 Resp: 366313

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VN051339.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051339.D (-1926) (-)

8.03

150000

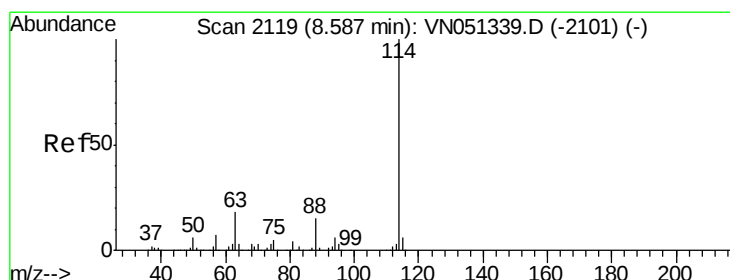
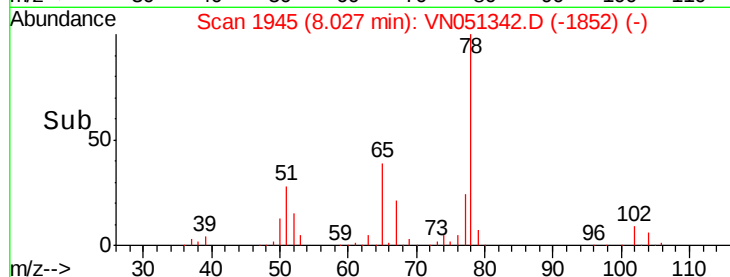
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

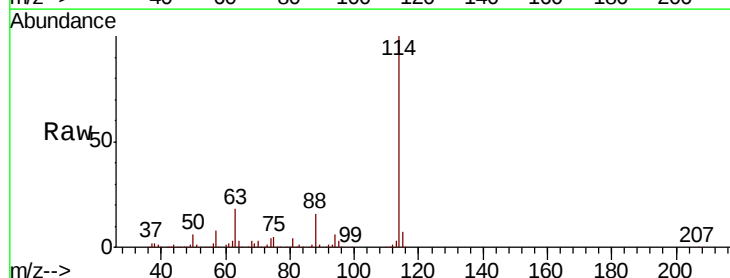
Tgt Ion: 114 Resp: 979647

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 15.5 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): VN051339.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051339.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051339.D (-2101) (-)

8.59

600000

500000

400000

300000

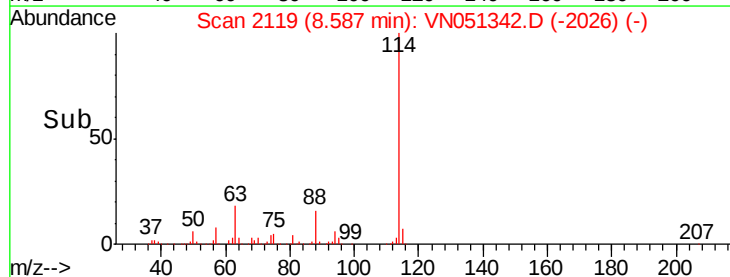
200000

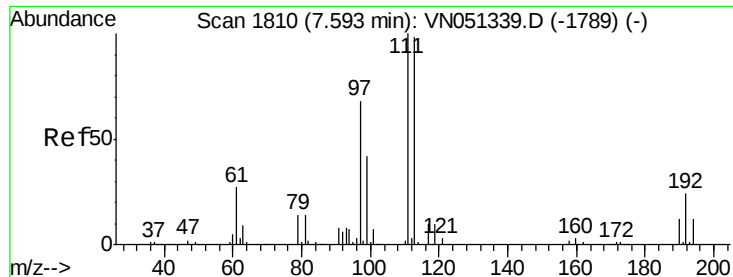
100000

0

8.50 8.60 8.70

Time-->

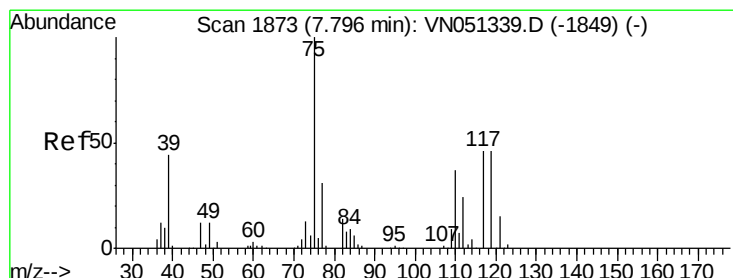
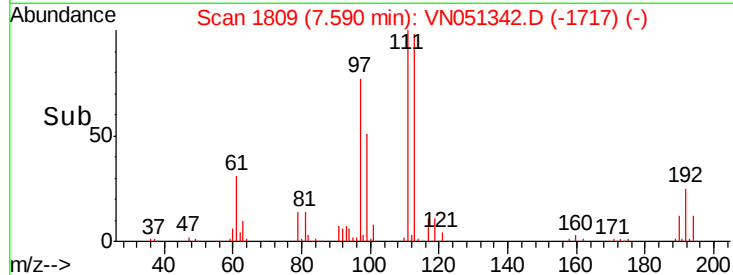
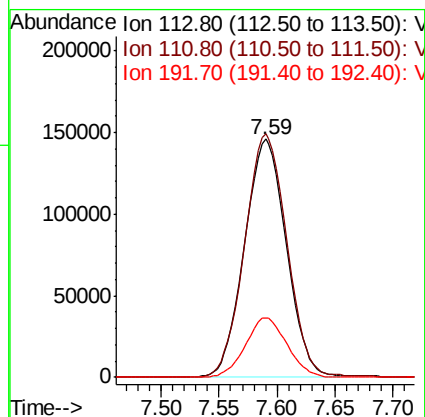
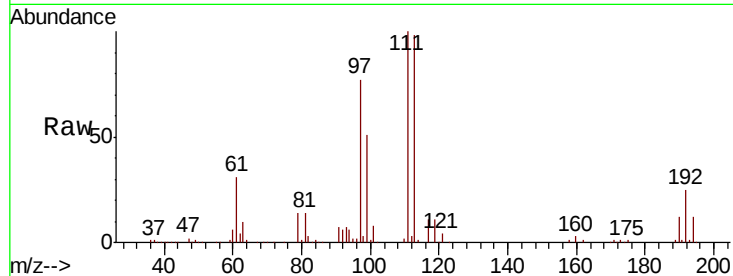




#35
 Dibromofluoromethane
 Concen: 46.38 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

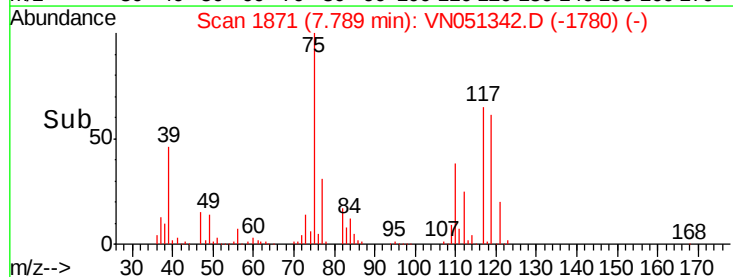
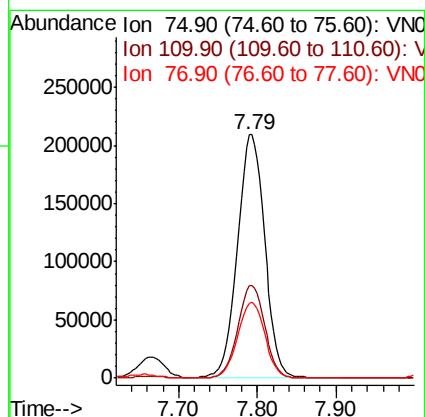
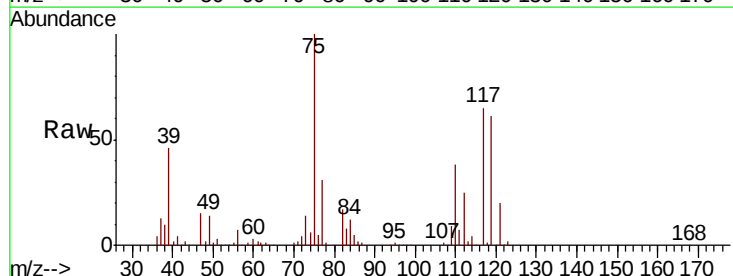
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

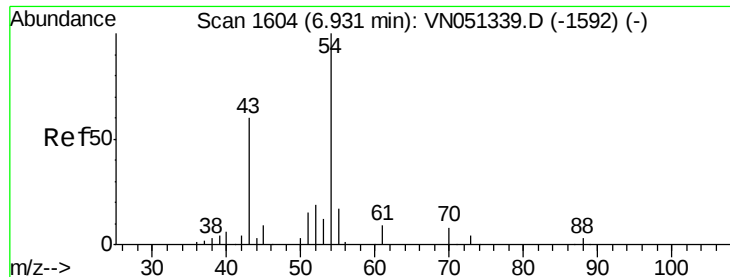
Tot Ion:113 Resp: 367145
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 24.8 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 50.56 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion: 75 Resp: 506671
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.9 56.5
 77 31.3 25.4 38.2

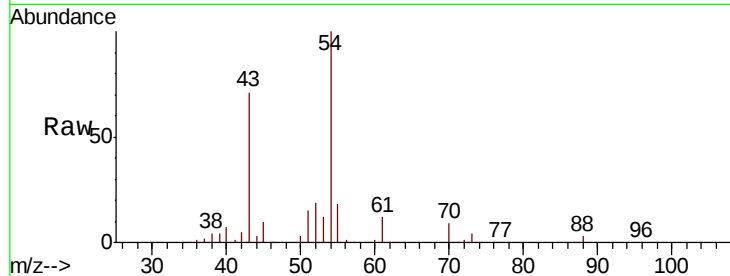




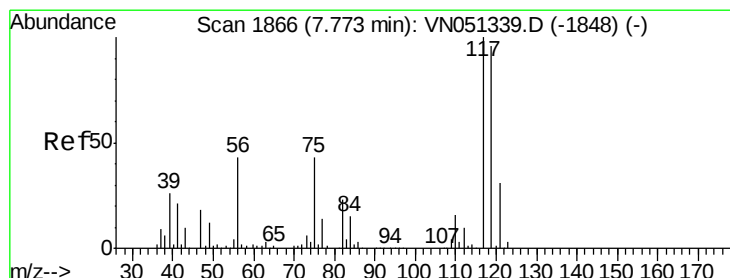
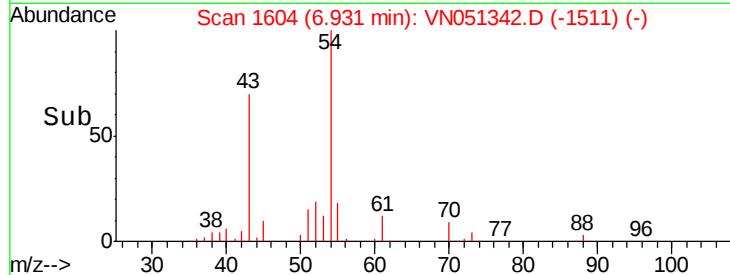
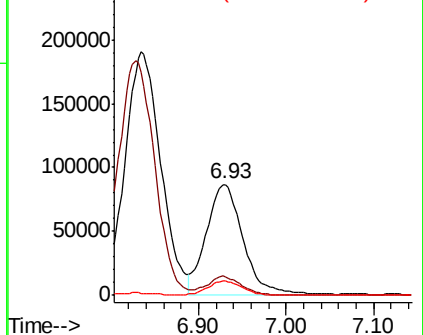
#37
Ethyl Acetate
Concen: 50.51 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion: 43 Resp: 250553
Ion Ratio Lower Upper
43 100
61 15.7 13.6 20.4
70 12.2 9.4 14.2

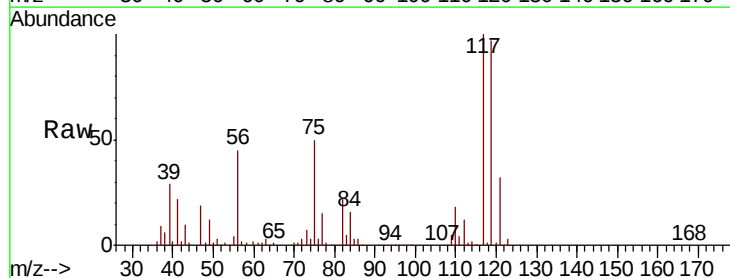


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

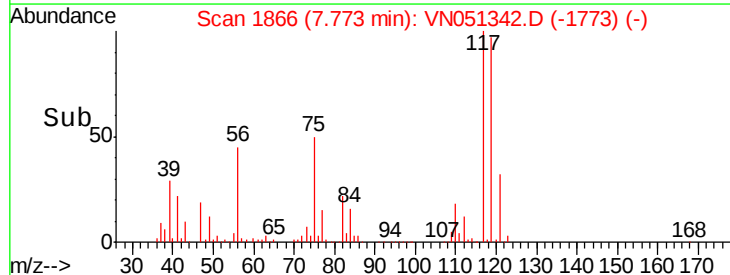
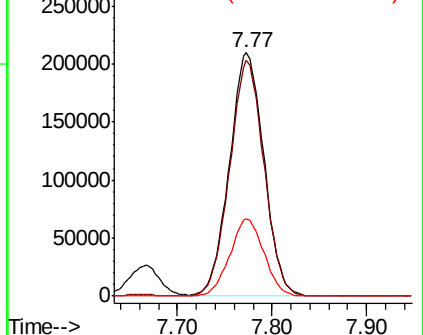


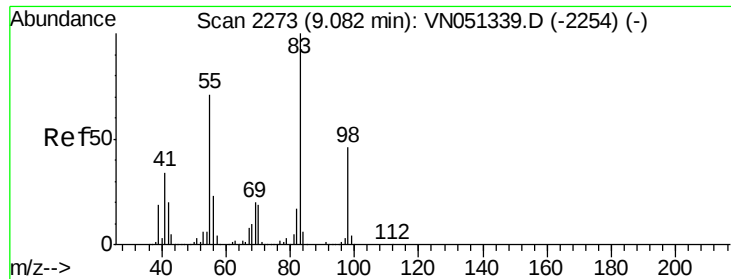
#38
Carbon Tetrachloride
Concen: 49.05 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 117 Resp: 531776
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.4
121 31.9 25.0 37.4



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

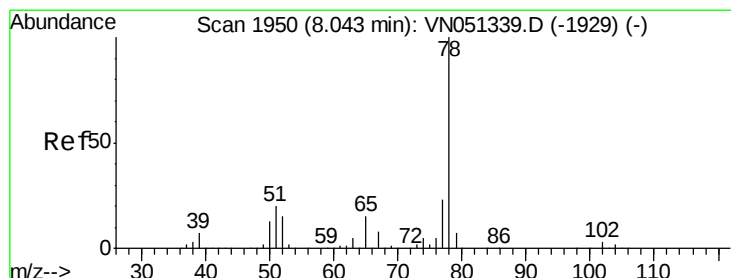
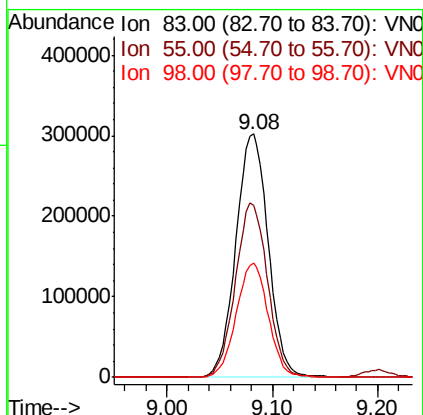
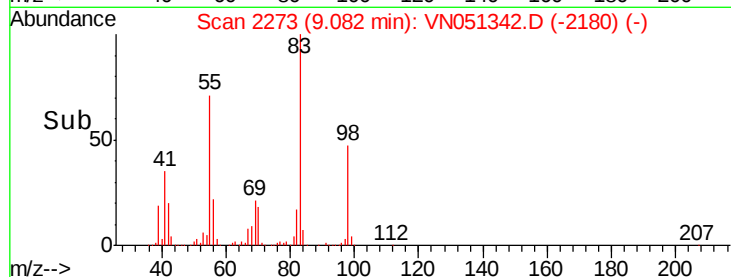
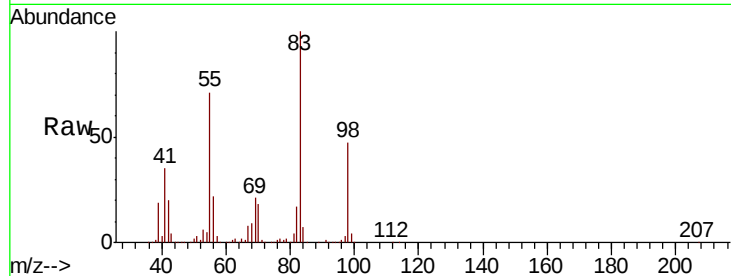




#39
Methvlcvclohexane
Concen: 55.05 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

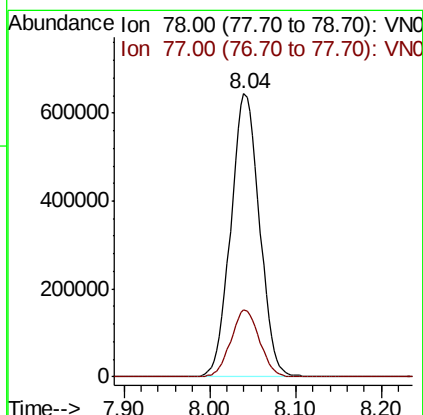
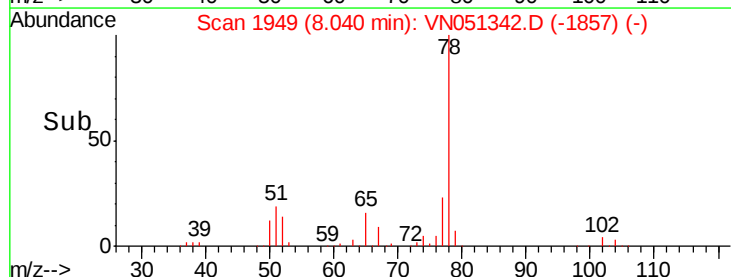
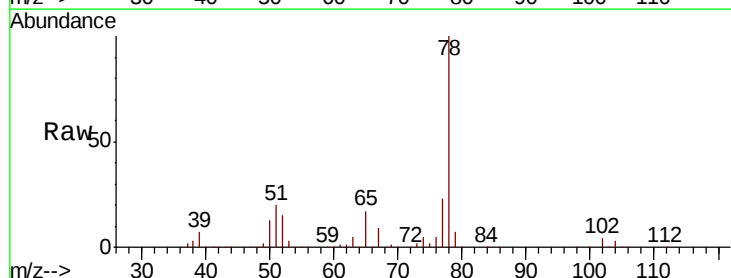
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

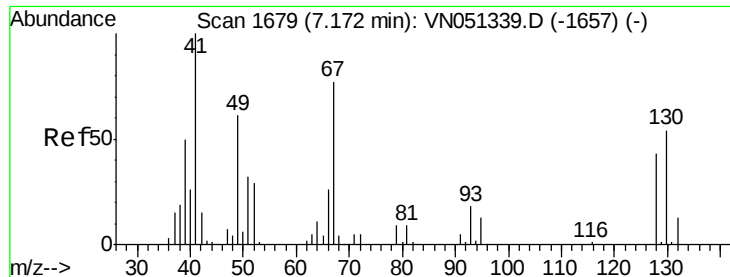
Tot Ion: 83 Resp: 643786
Ion Ratio Lower Upper
83 100
55 70.9 56.5 84.7
98 47.0 36.7 55.1



#40
Benzene
Concen: 49.45 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 78 Resp: 1493034
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7

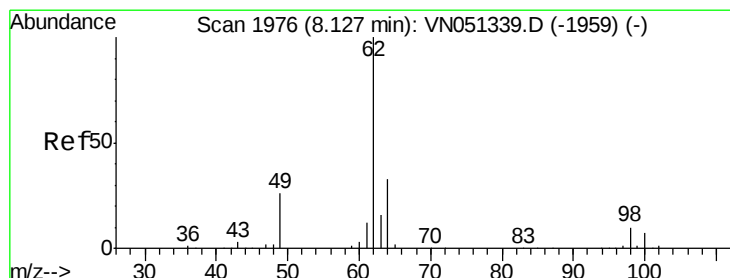
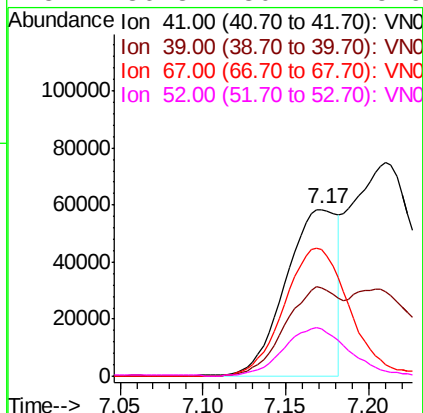
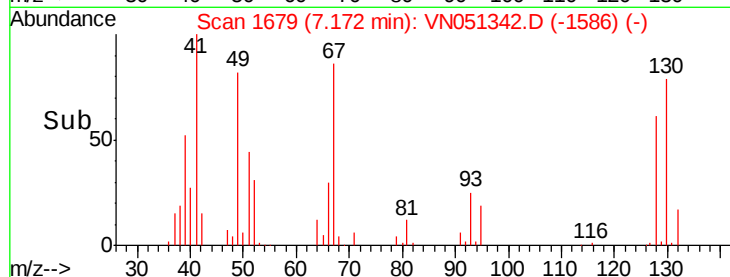
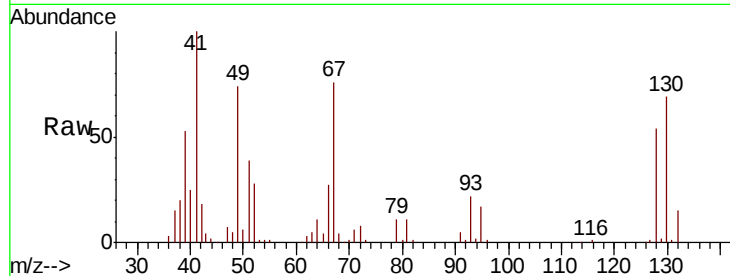




#41
Methacrylonitrile
Concen: 49.08 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

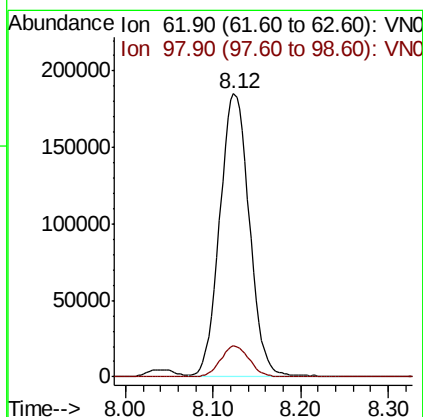
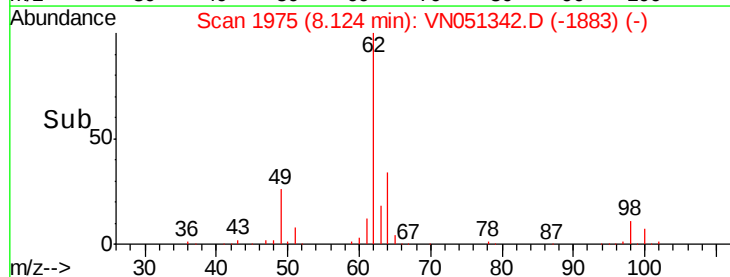
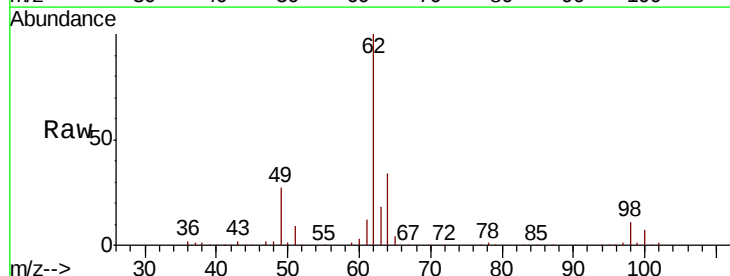
Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

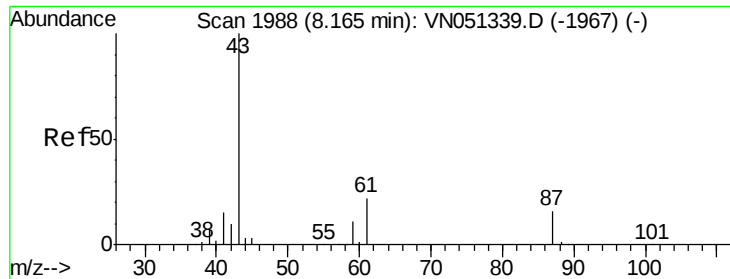
Tot Ion: 41 Resp: 126853
Ion Ratio Lower Upper
41 100
39 56.7 51.3 76.9
67 97.5 77.0 115.4
52 36.3 30.4 45.6



#42
1,2-Dichloroethane
Concen: 47.66 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 62 Resp: 434709
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 51.43 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

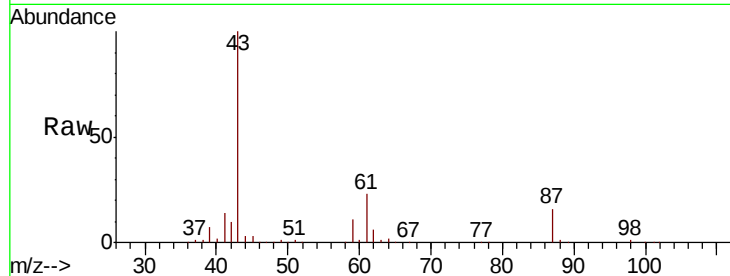
Tot Ion: 43 Resp: 446864

Ion Ratio Lower Upper

43 100

61 22.4 18.1 27.1

87 15.7 12.8 19.2

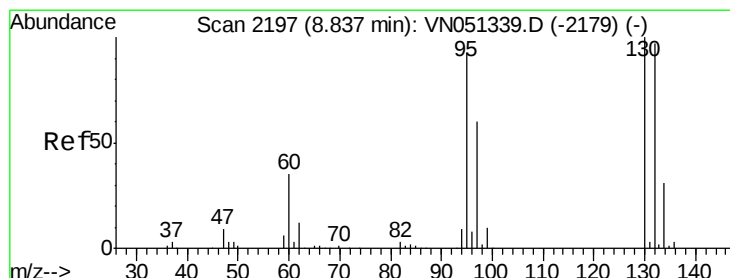
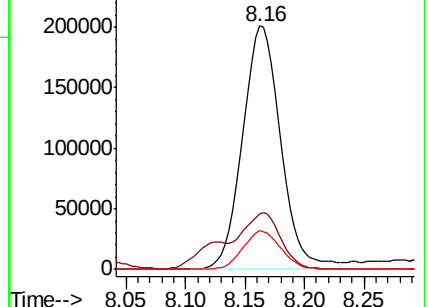
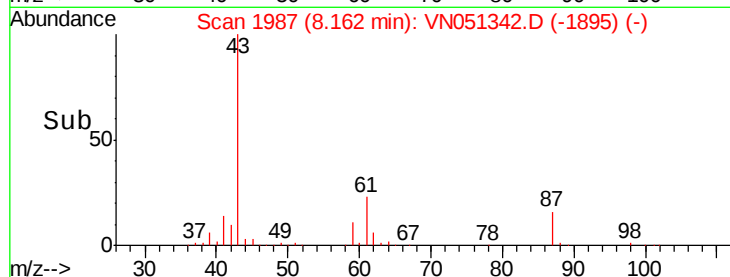


Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051339.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051339.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 49.85 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051342.D

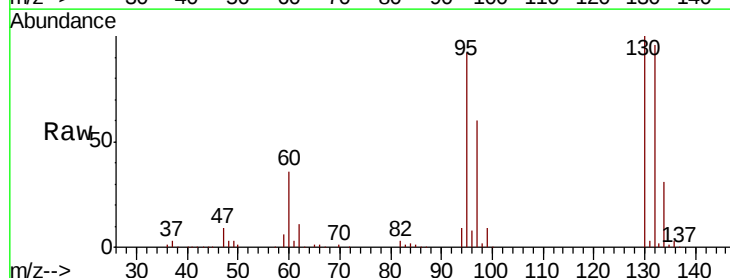
Acq: 20 Sep 2018 16:08

Tgt Ion:130 Resp: 432096

Ion Ratio Lower Upper

130 100

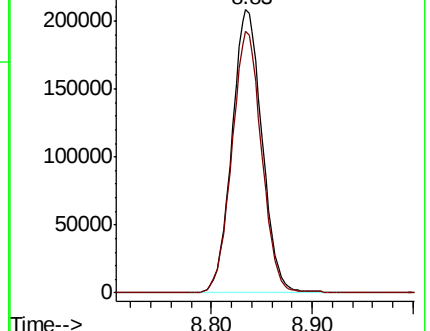
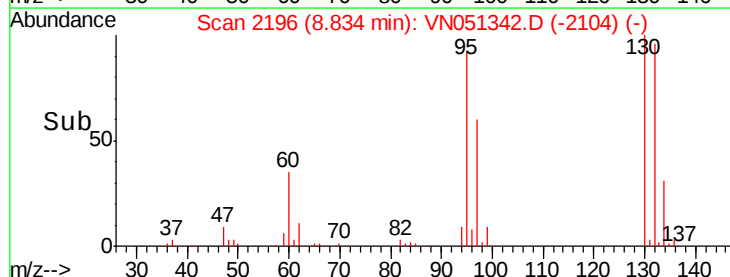
95 92.3 0.0 185.6

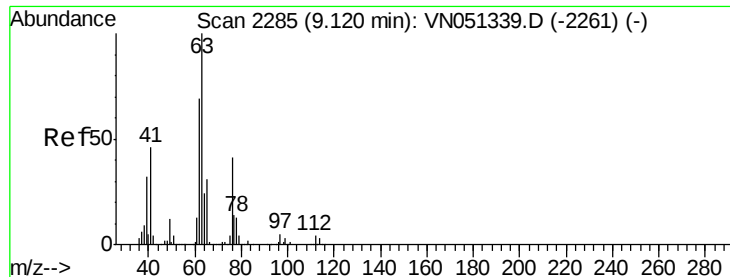


Abundance Ion 129.80 (129.50 to 130.50): VN051339.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051339.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 49.56 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

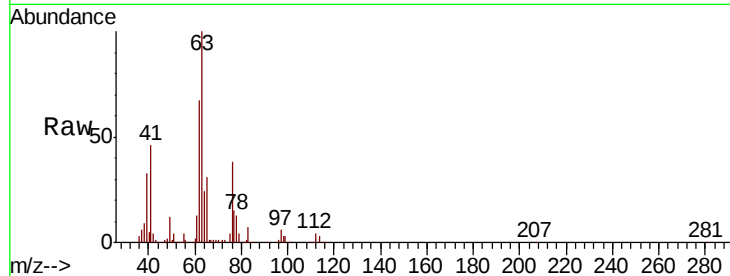
ICVFN092018

Tot Ion: 63 Resp: 382931

Ion Ratio Lower Upper

63 100

65 31.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

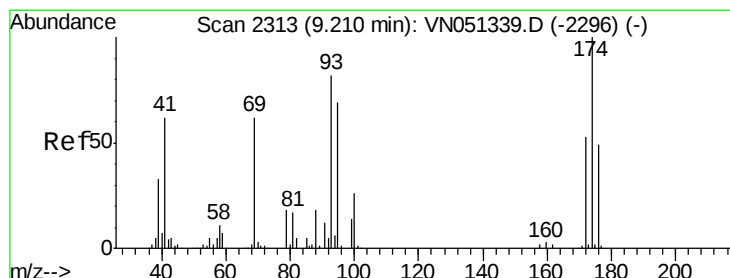
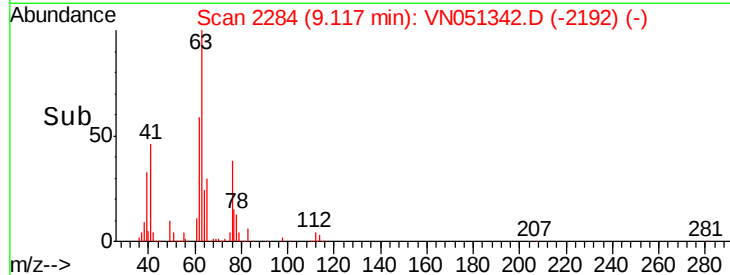
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.54 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

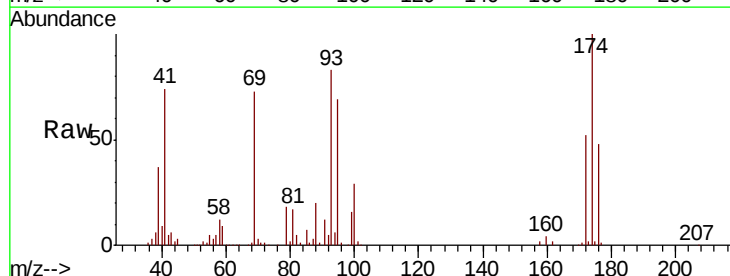
Tgt Ion: 93 Resp: 231193

Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 123.6 98.9 148.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

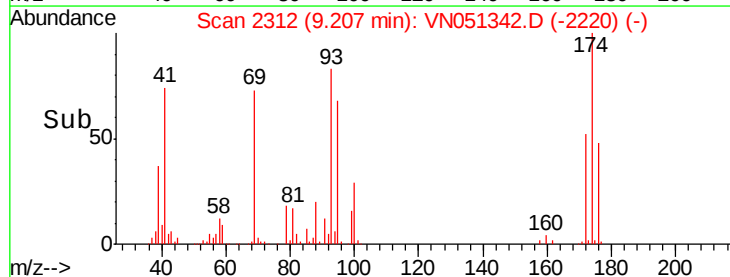
150000

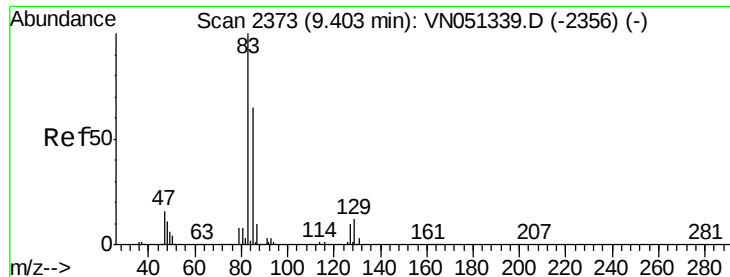
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.10 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

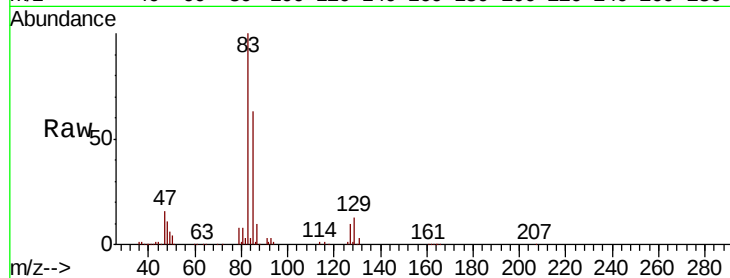
Tot Ion: 83 Resp: 498783

Ion Ratio Lower Upper

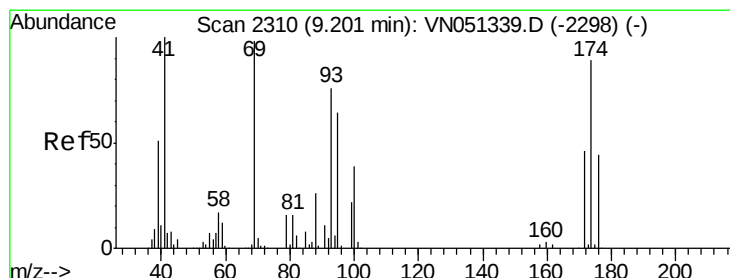
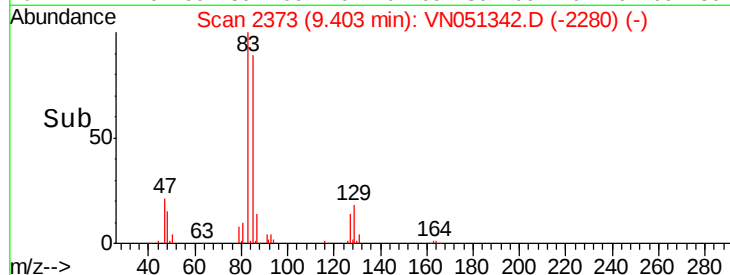
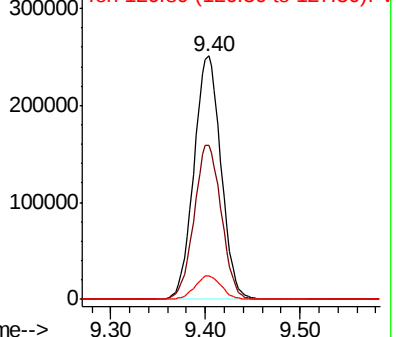
83 100

85 63.0 51.6 77.4

127 9.6 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.96 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

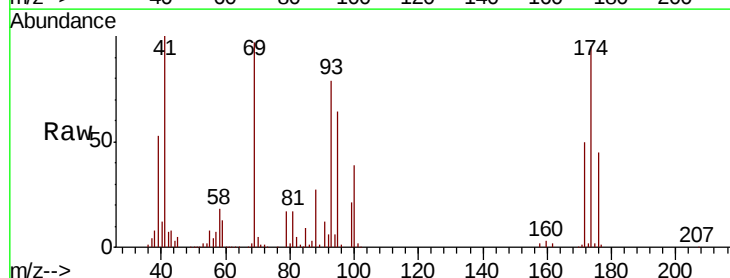
Tgt Ion: 41 Resp: 225692

Ion Ratio Lower Upper

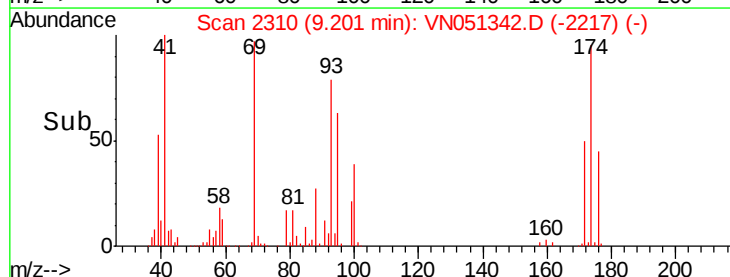
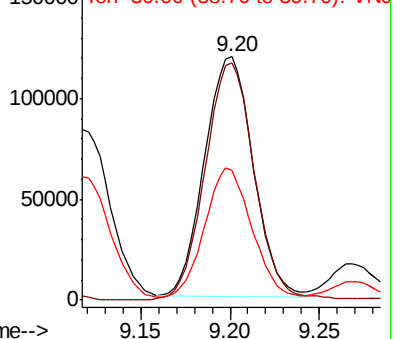
41 100

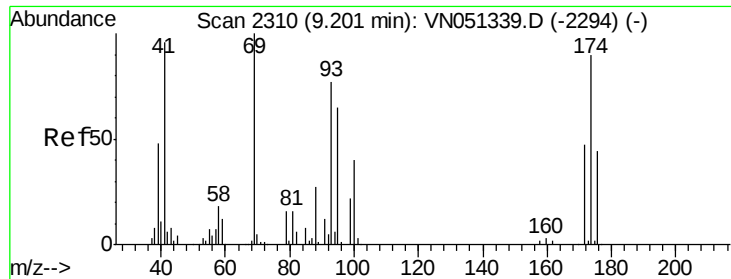
69 100.2 79.4 119.0

39 52.0 43.0 64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1010.18 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVFN092018

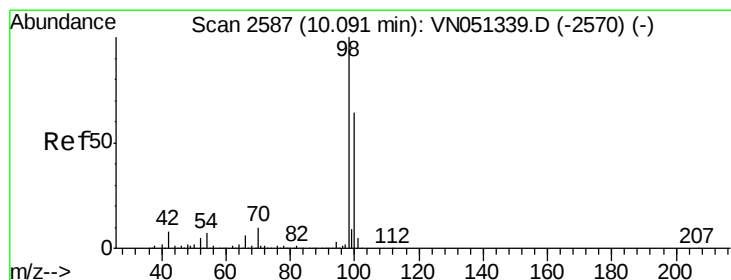
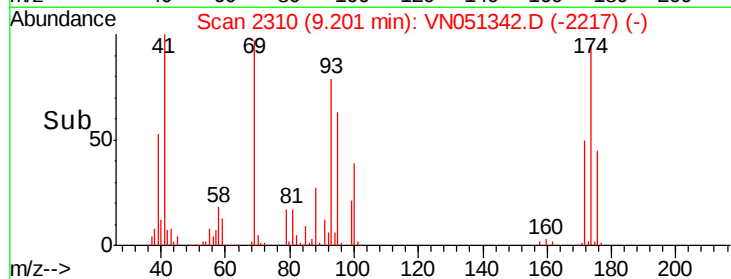
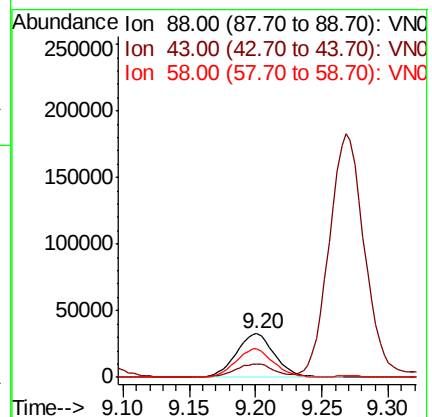
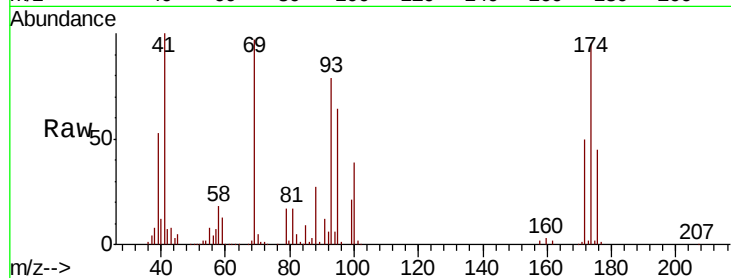
Tot Ion: 88 Resp: 66168

Ion Ratio Lower Upper

88 100

43 29.1 23.5 35.3

58 64.7 52.1 78.1



#50

Toluene-d8

Concen: 46.92 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051342.D

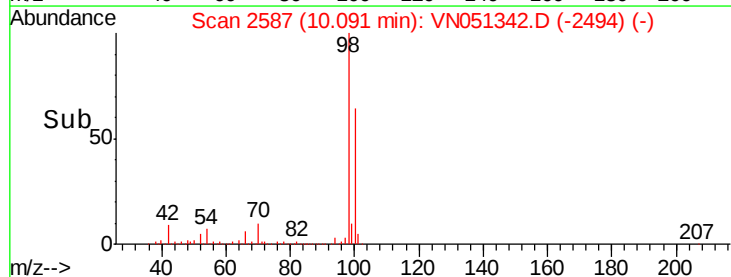
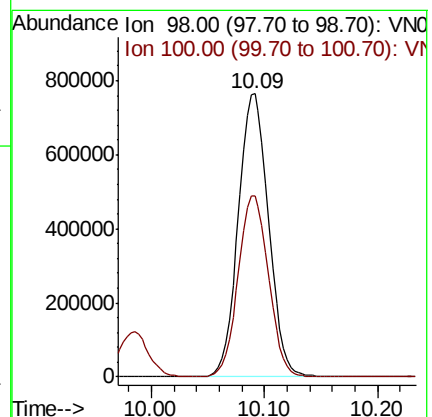
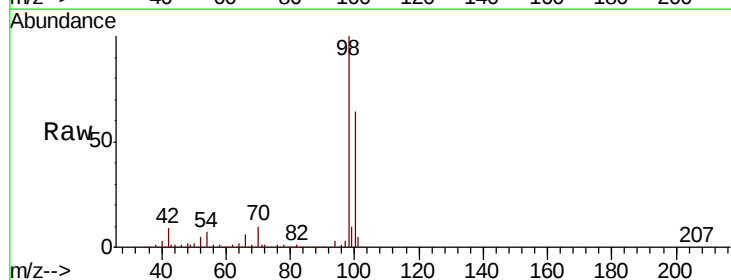
Acq: 20 Sep 2018 16:08

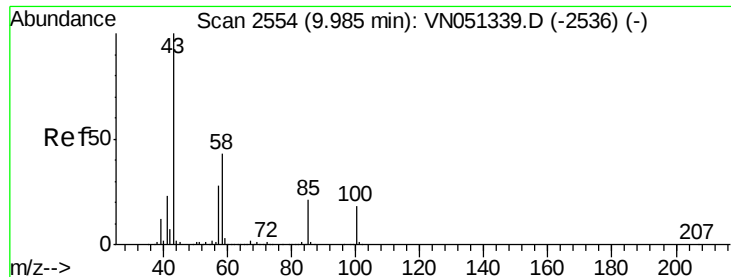
Tgt Ion: 98 Resp: 1428046

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9

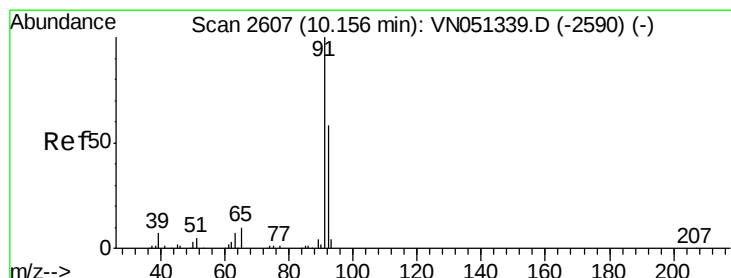
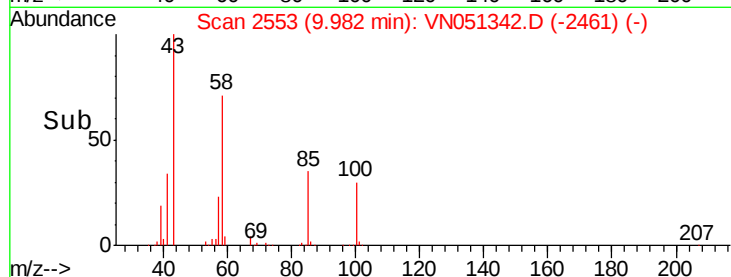
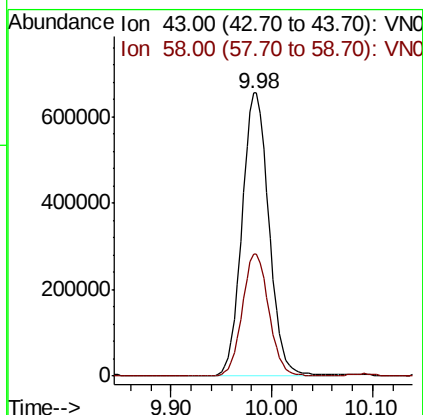
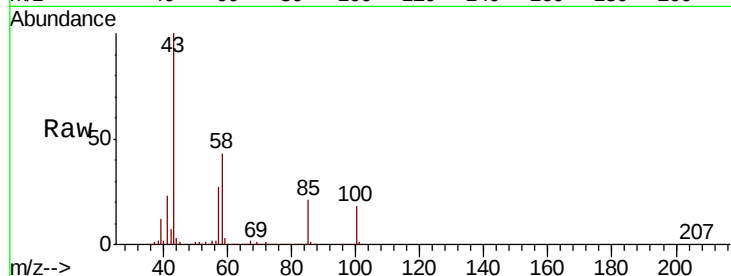




#51
 4-Methyl-2-Pentanone
 Concen: 257.95 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

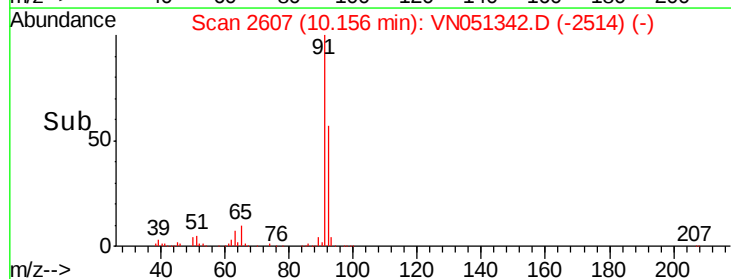
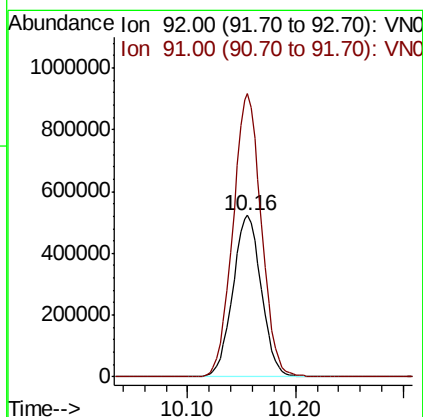
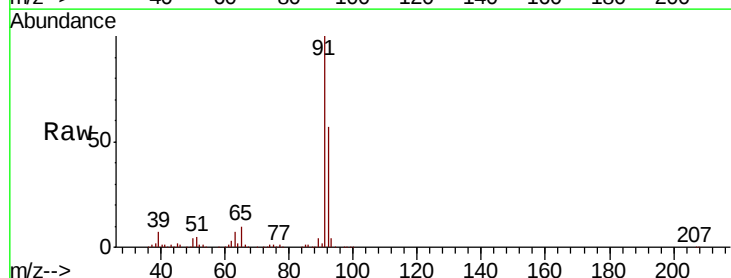
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

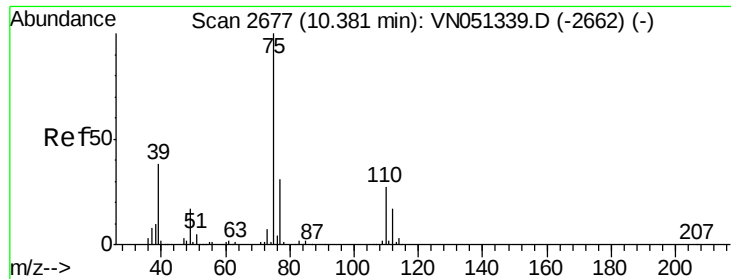
Tot Ion: 43 Resp: 1205518
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.2 51.4



#52
 Toluene
 Concen: 51.90 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion: 92 Resp: 964840
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 52.70 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

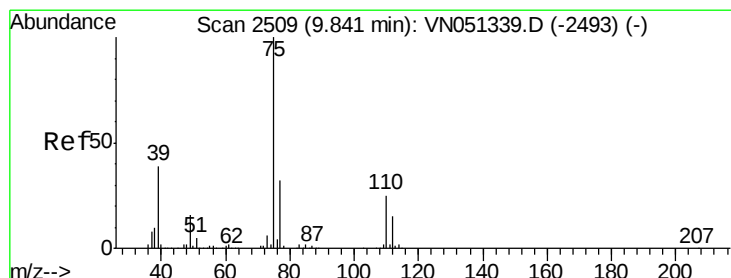
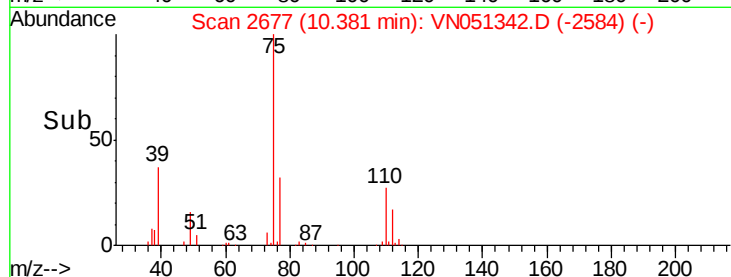
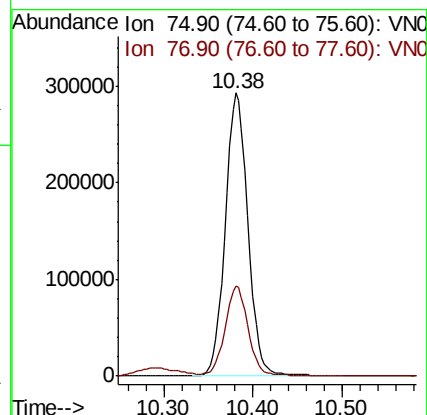
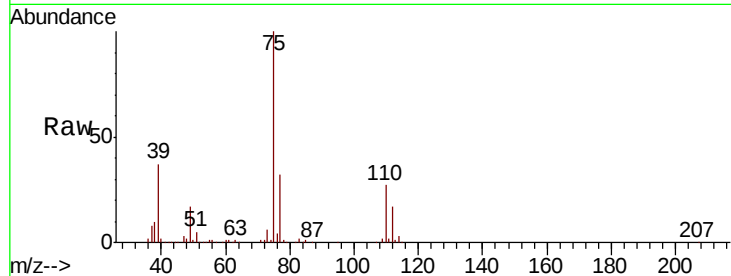
ICVVN092018

Tot Ion: 75 Resp: 514073

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.53 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

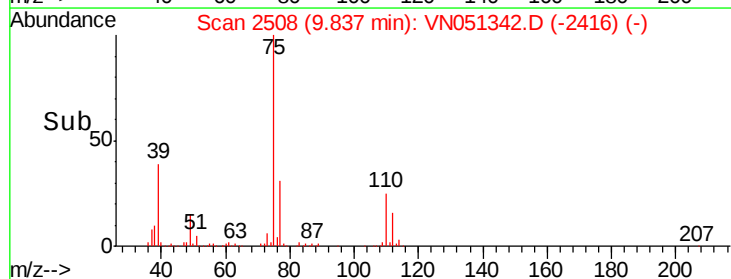
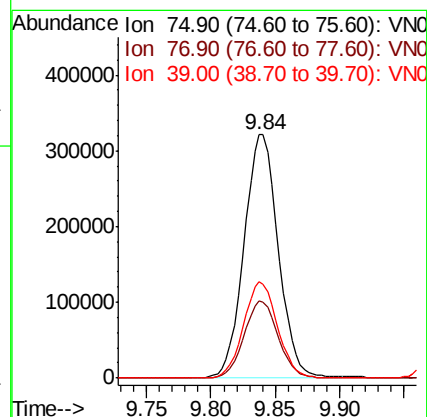
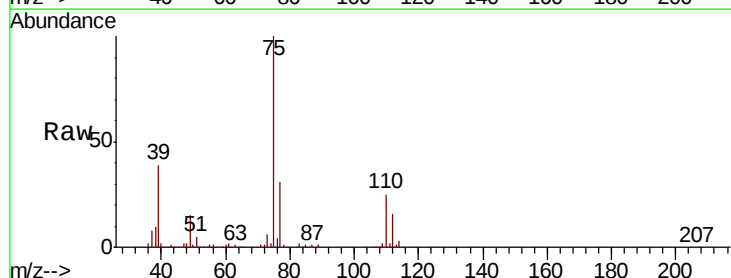
Tgt Ion: 75 Resp: 593258

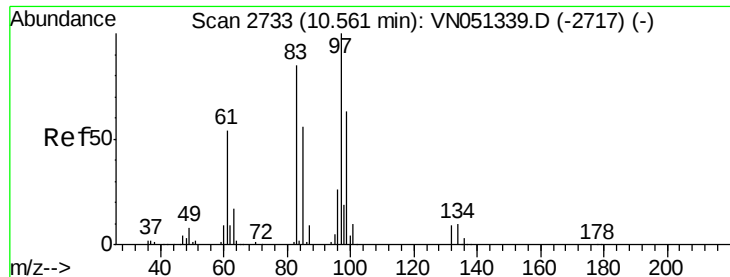
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 39.4 31.0 46.4





#55

1,1,2-Trichloroethane

Concen: 47.90 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

ICVVN092018

Tot Ion: 97 Resp: 334032

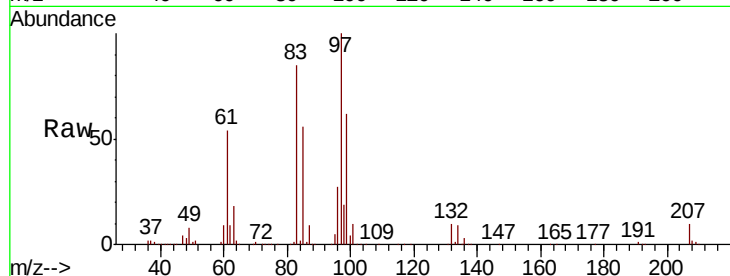
Ion Ratio Lower Upper

97 100

83 85.1 68.1 102.1

85 56.1 44.6 66.8

99 61.5 50.2 75.4

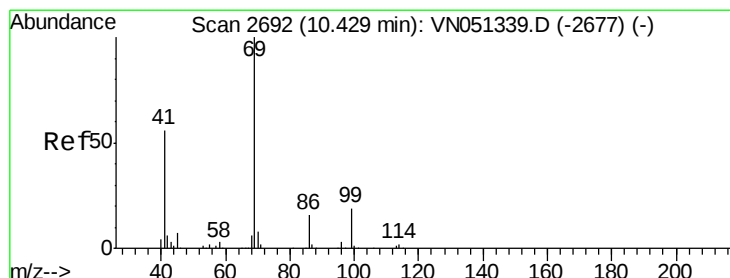
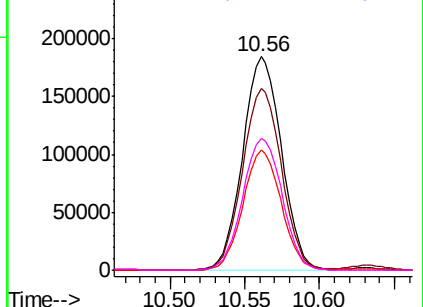
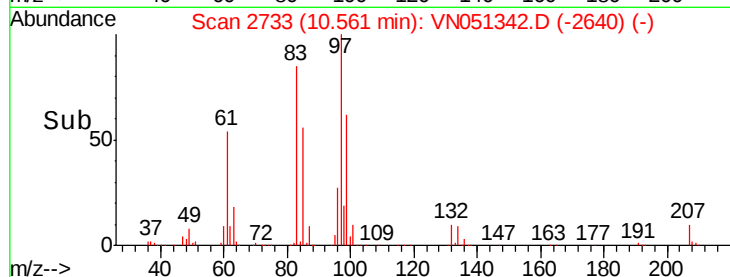


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 53.96 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

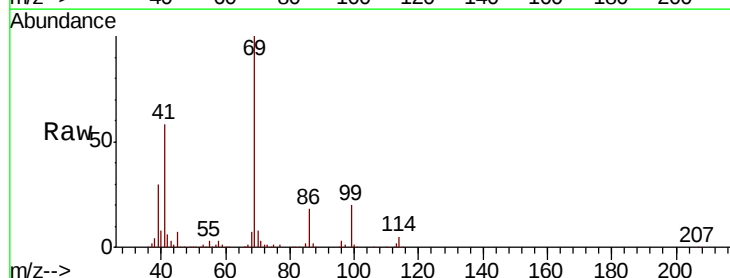
Tgt Ion: 69 Resp: 397424

Ion Ratio Lower Upper

69 100

41 57.1 45.1 67.7

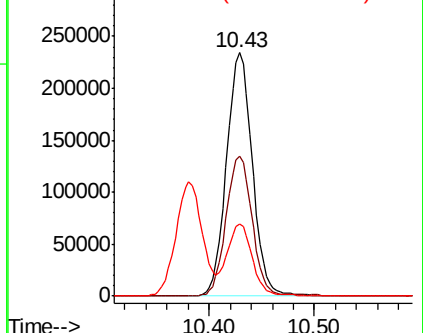
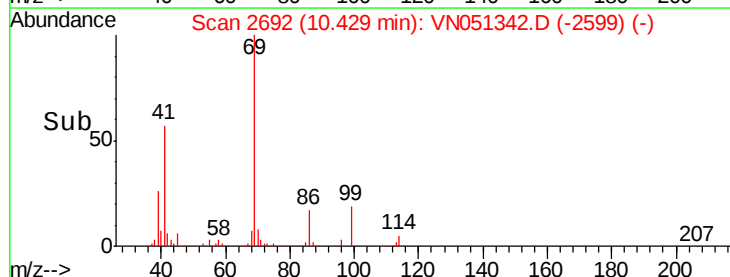
39 29.4 23.4 35.2

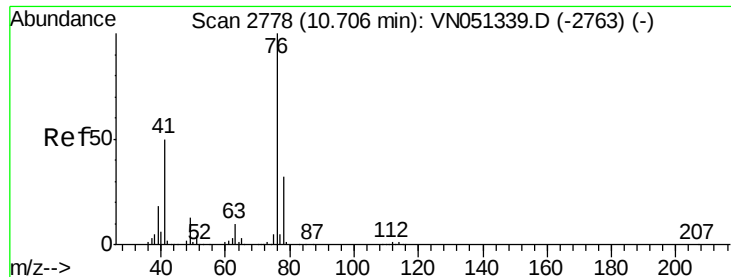


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

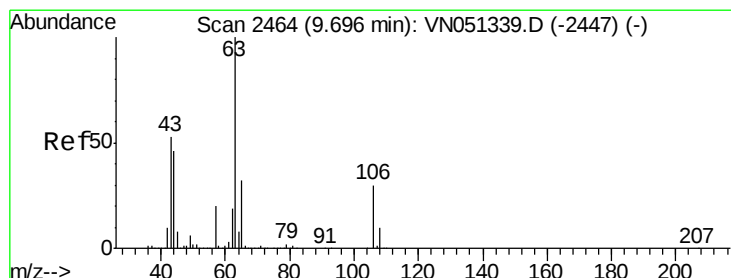
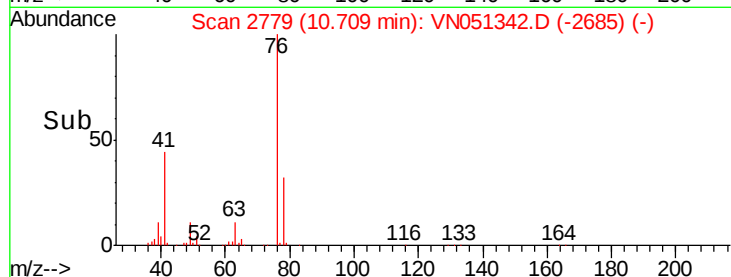
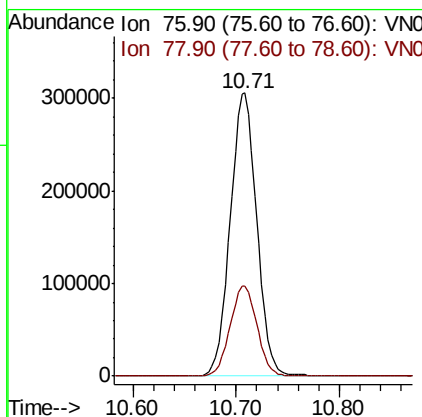
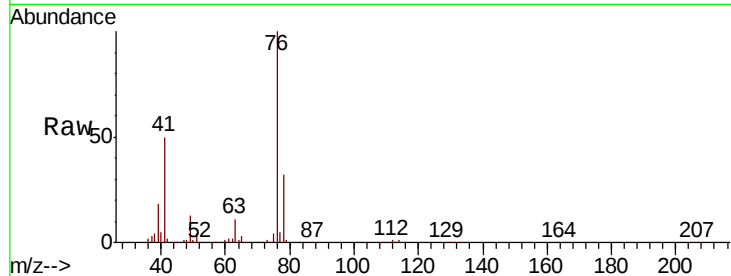




#57
 1,3-Dichloropropane
 Concen: 49.93 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

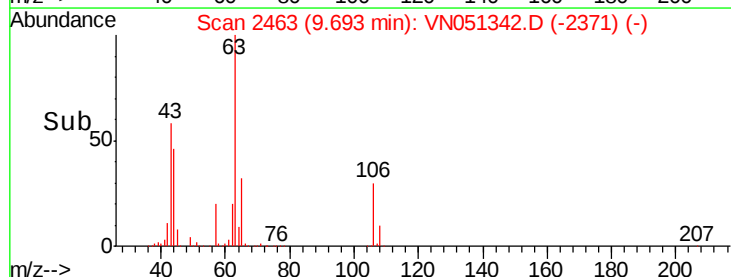
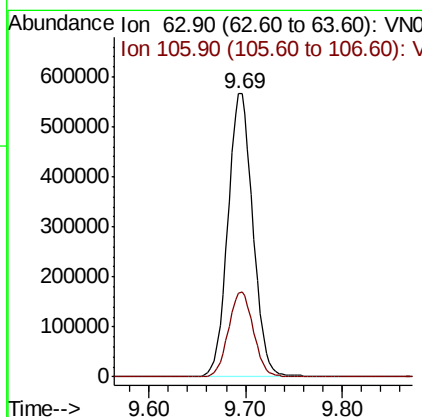
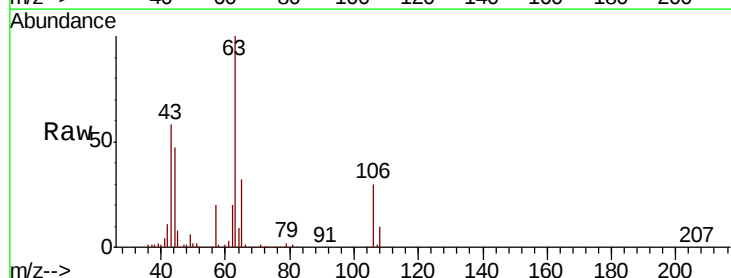
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092018

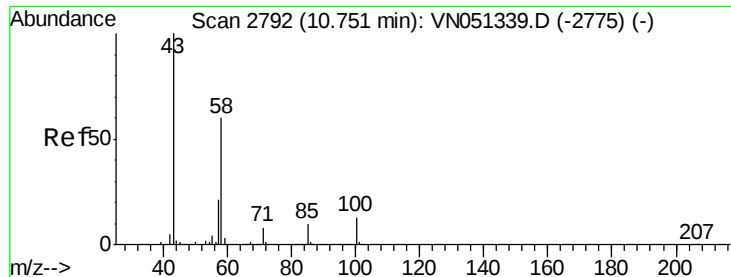
Tot Ion: 76 Resp: 548450
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.67 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion: 63 Resp: 1016482
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.7 35.5

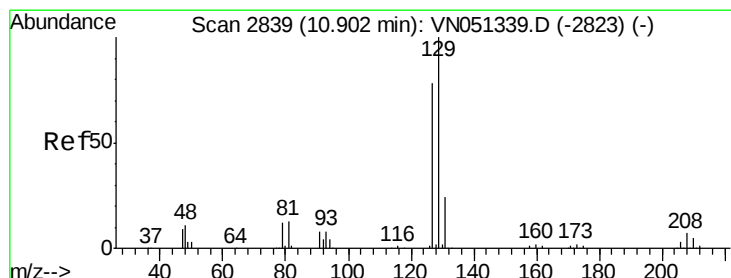
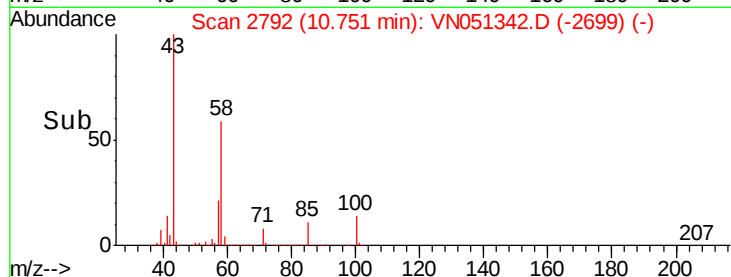
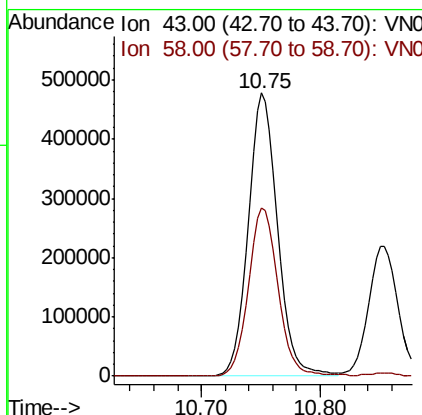
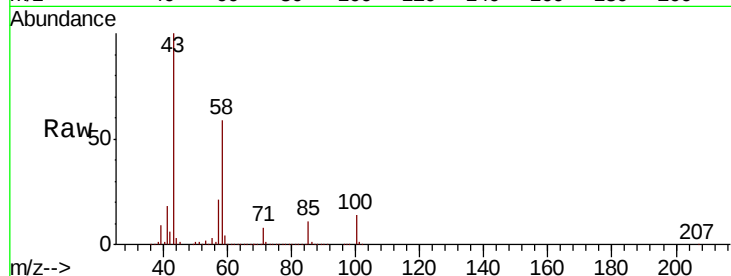




#59
2-Hexanone
Concen: 257.75 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

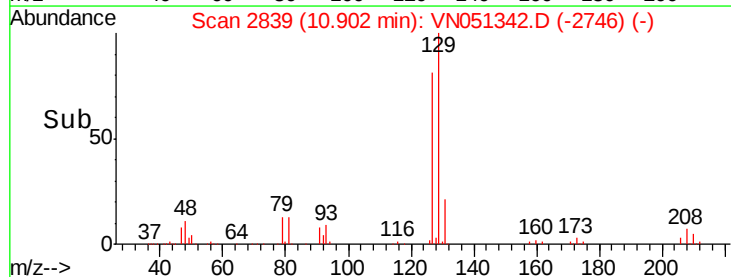
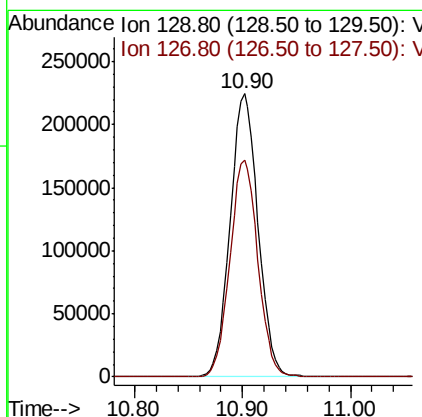
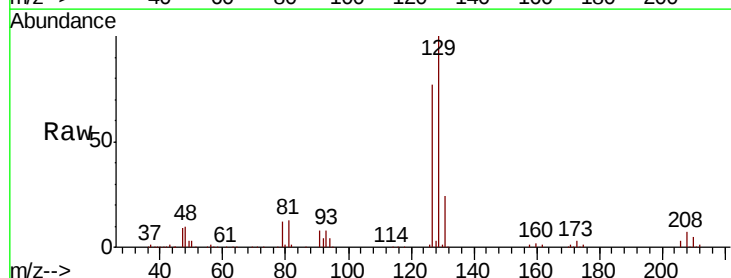
Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

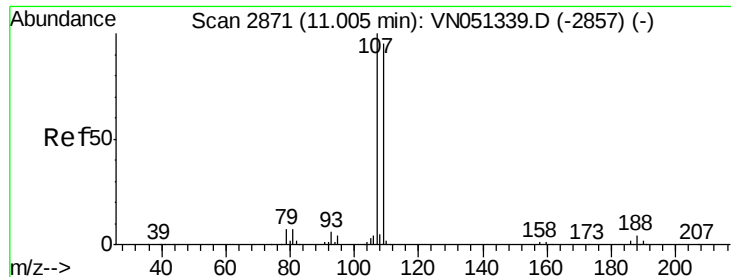
Tot Ion: 43 Resp: 812081
Ion Ratio Lower Upper
43 100
58 60.3 29.9 89.8



#60
Dibromochloromethane
Concen: 49.76 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 129 Resp: 404629
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

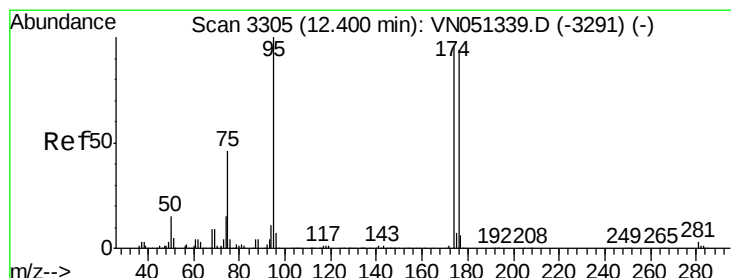
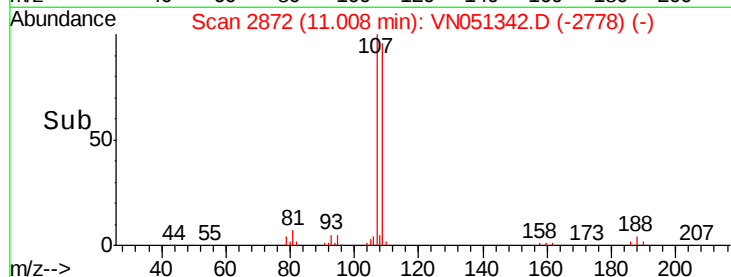
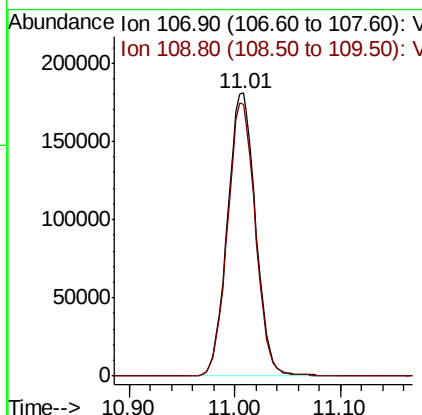
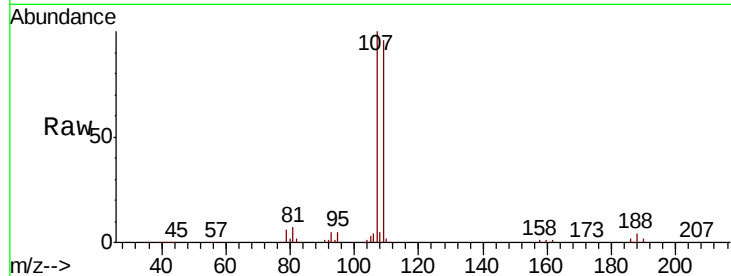




#61
 1,2-Dibromoethane
 Concen: 49.72 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

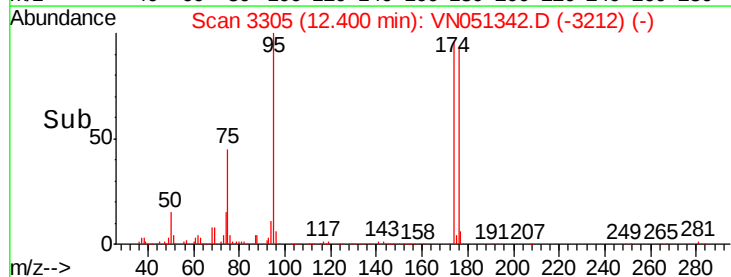
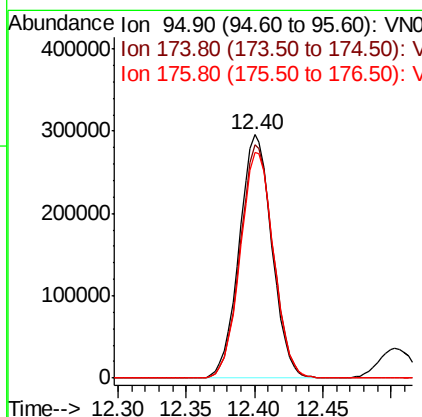
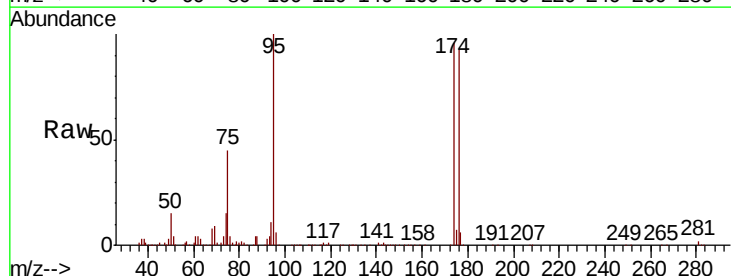
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

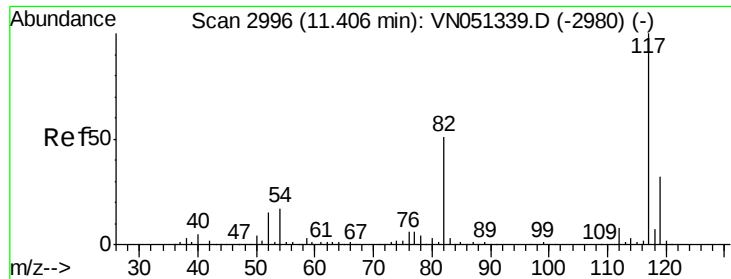
Tot Ion: 107 Resp: 333368
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 49.66 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion: 95 Resp: 491716
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 194.6
 176 94.6 0.0 189.6

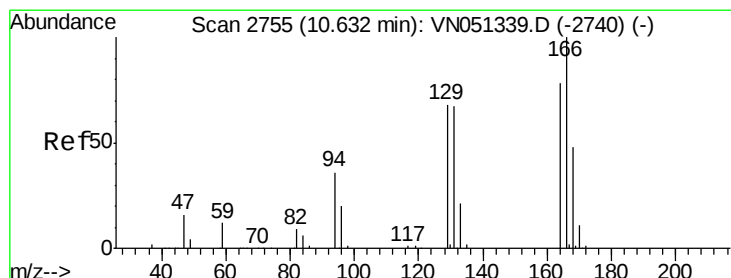
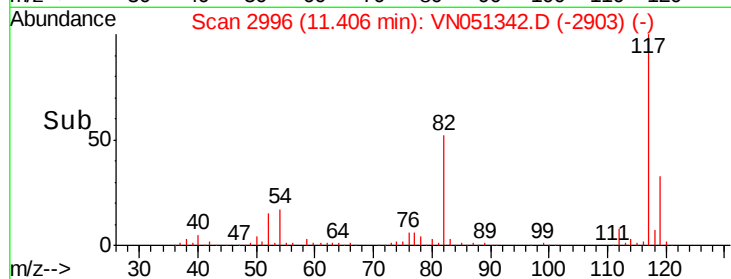
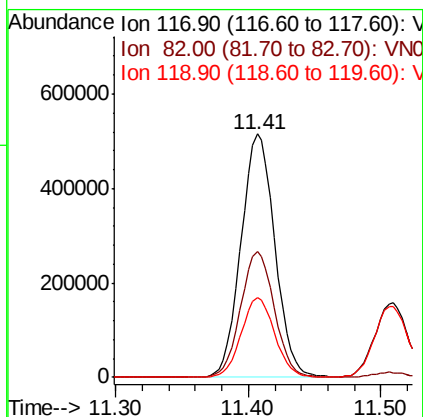
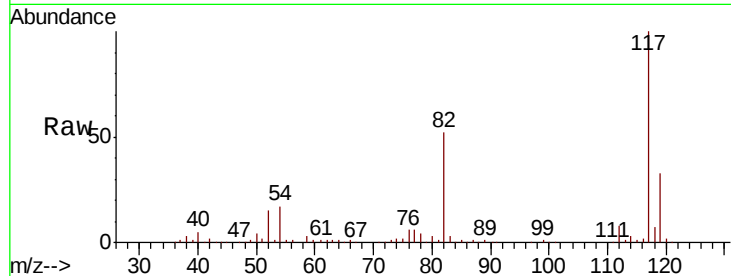




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

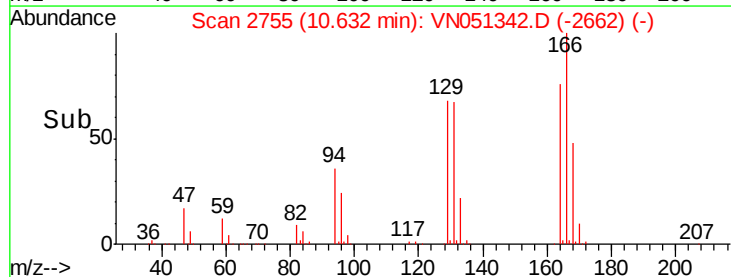
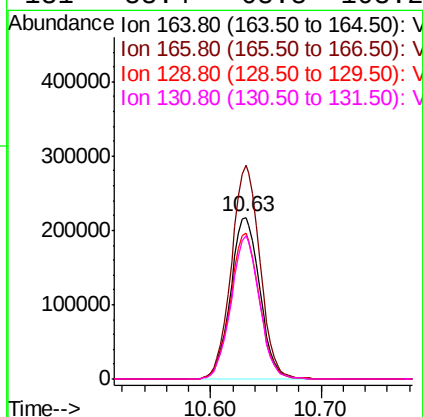
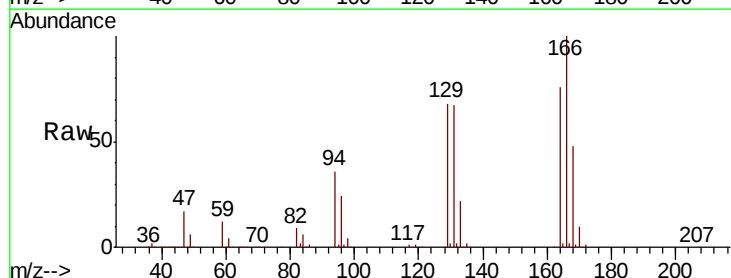
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

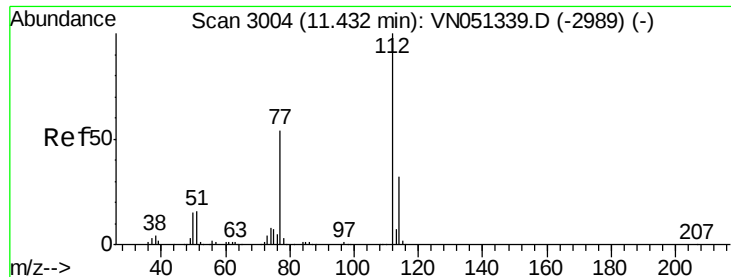
Tot Ion:117 Resp: 914043
Ion Ratio Lower Upper
117 100
82 51.6 40.7 61.1
119 32.9 25.3 37.9



#64
Tetrachloroethene
Concen: 49.98 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:164 Resp: 398350
Ion Ratio Lower Upper
164 100
166 132.0 102.1 153.1
129 90.3 69.4 104.2
131 88.4 68.8 103.2

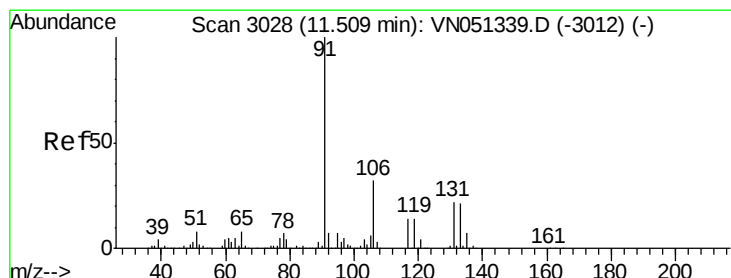
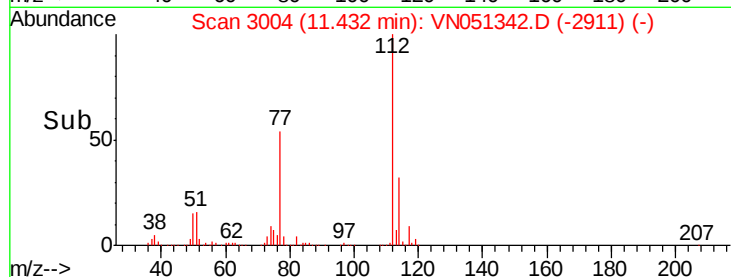
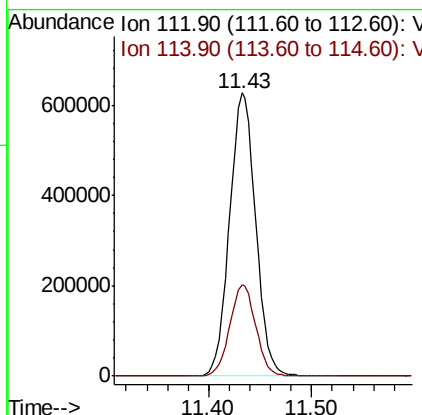
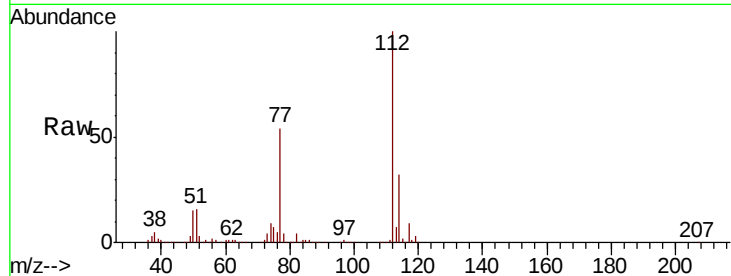




#65
Chlorobenzene
Concen: 50.62 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

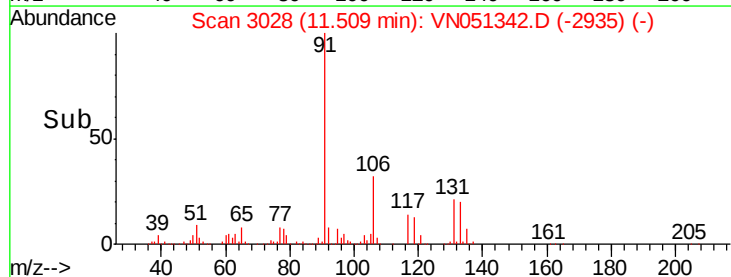
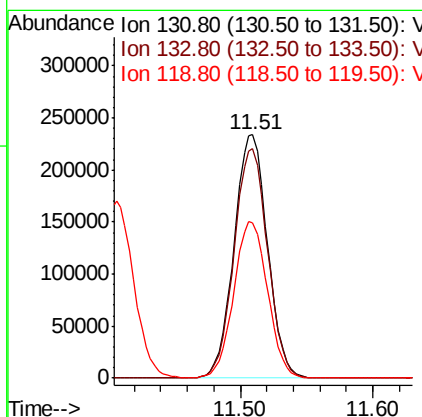
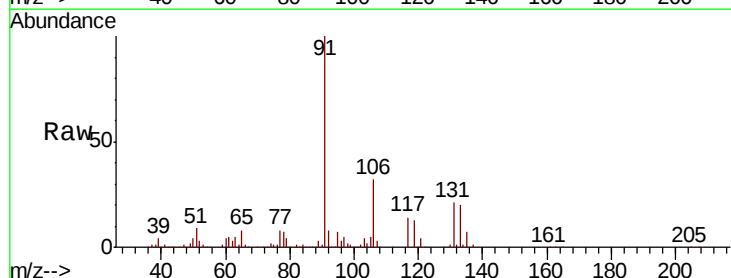
Instrument :
MSVOA_N
ClientSampleId :
ICVFN092018

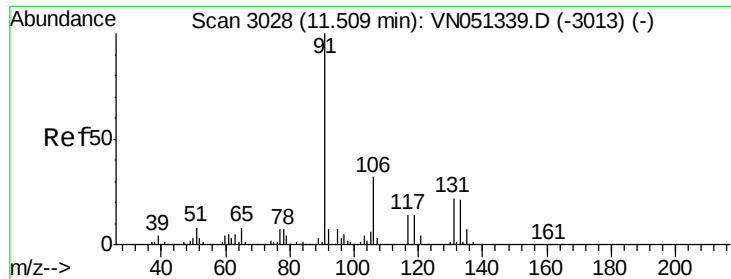
Tot Ion:112 Resp: 1105375
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.29 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:131 Resp: 409760
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 64.9 32.6 97.7

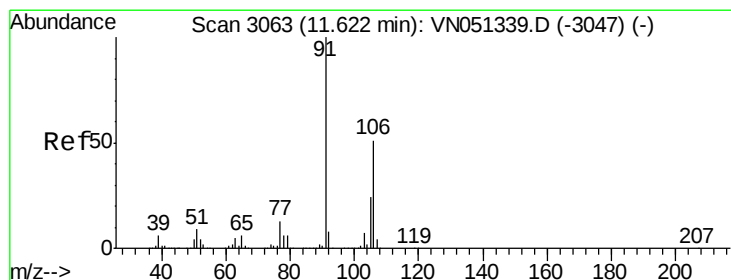
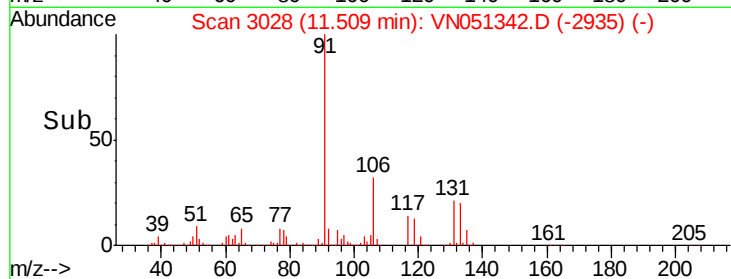
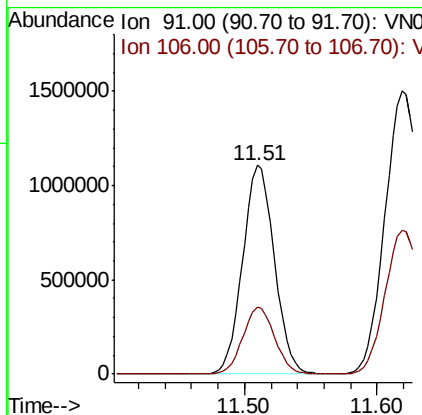
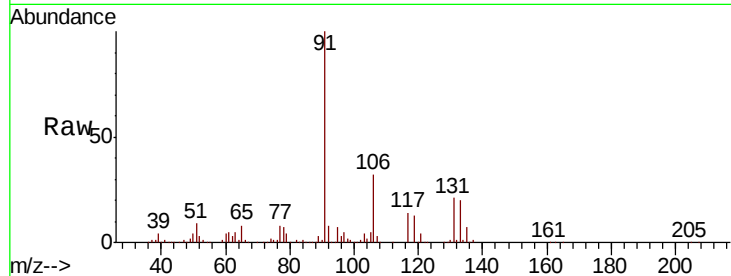




#67
Ethyl Benzene
Concen: 53.90 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

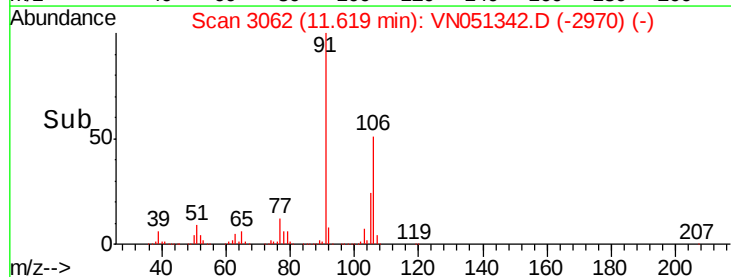
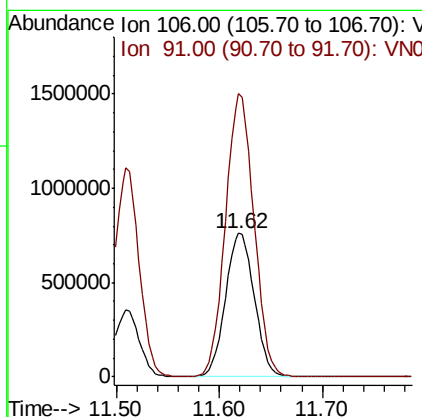
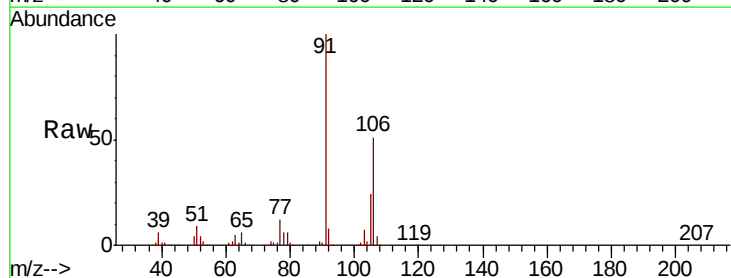
Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

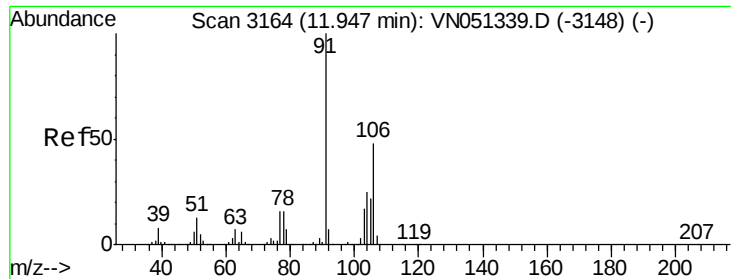
Tot Ion: 91 Resp: 1841201
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 110.27 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 106 Resp: 1479957
Ion Ratio Lower Upper
106 100
91 195.1 156.5 234.7

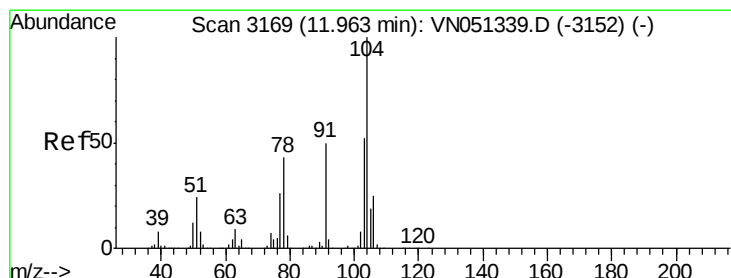
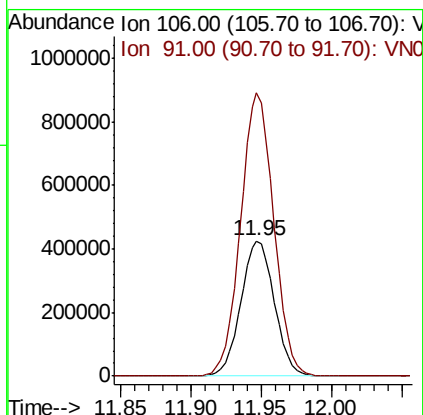
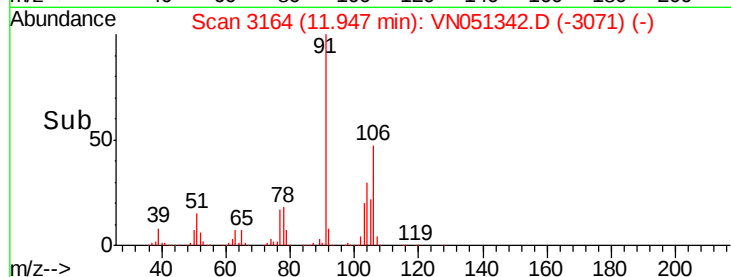
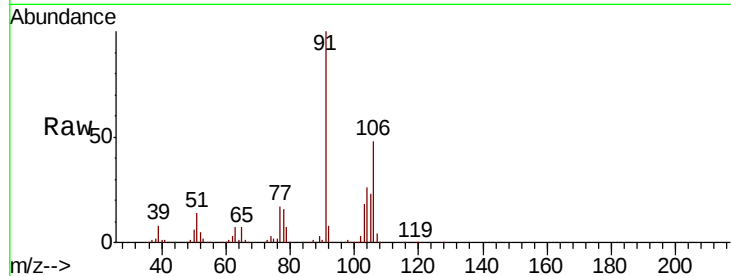




#69
o-Xylene
Concen: 54.68 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

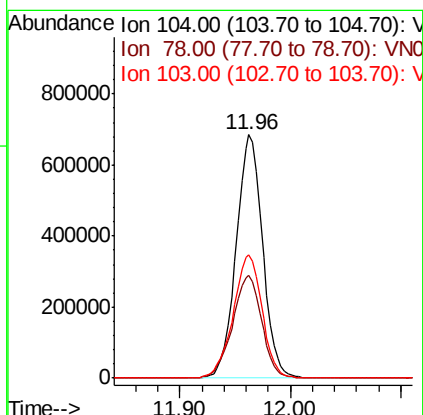
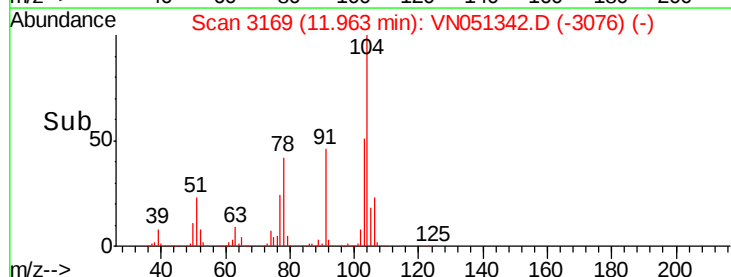
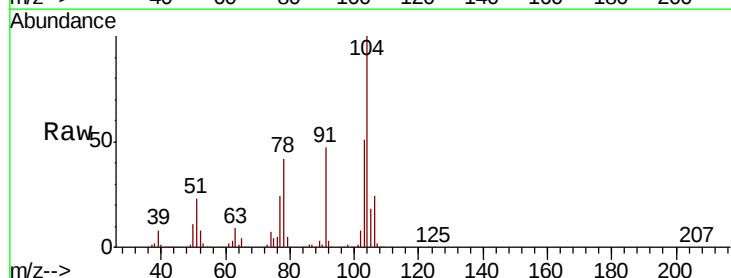
Instrument :
MSVOA_N
ClientSampled :
ICVFN092018

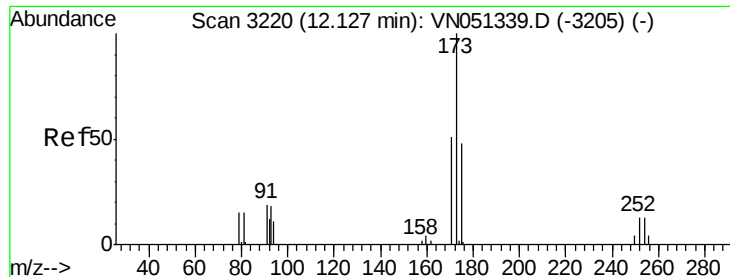
Tot Ion:106 Resp: 707402
Ion Ratio Lower Upper
106 100
91 207.2 104.6 313.7



#70
Styrene
Concen: 56.70 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:104 Resp: 1138725
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 55.3 44.3 66.5

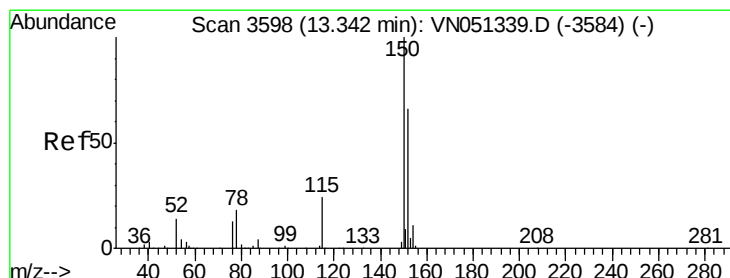
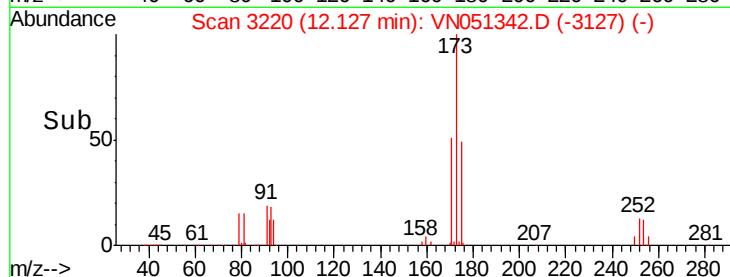
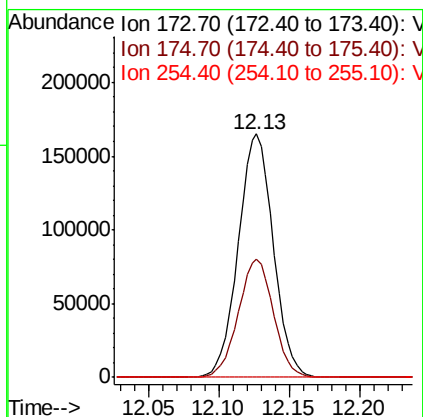
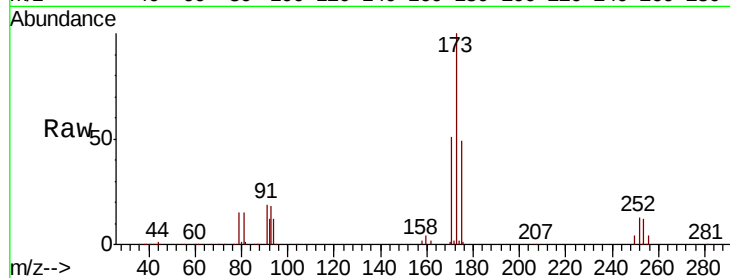




#71
 Bromoform
 Concen: 50.86 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

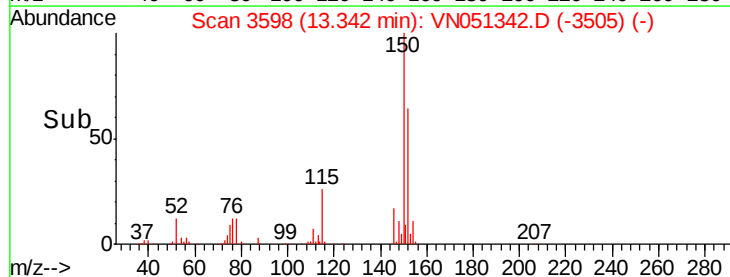
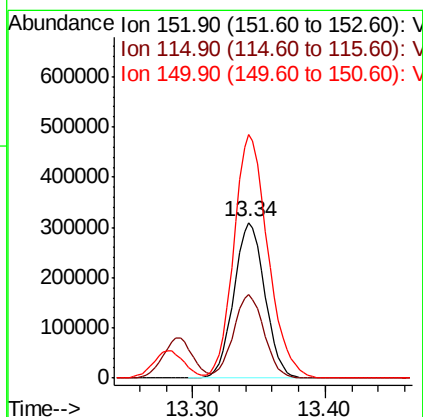
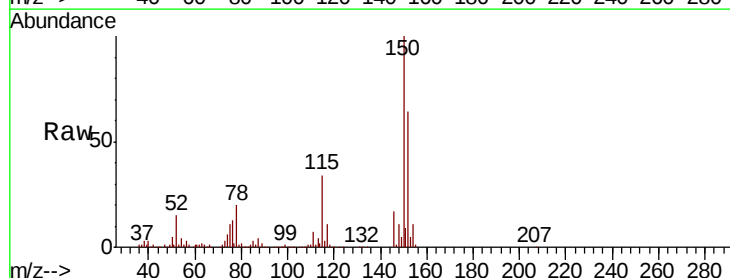
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

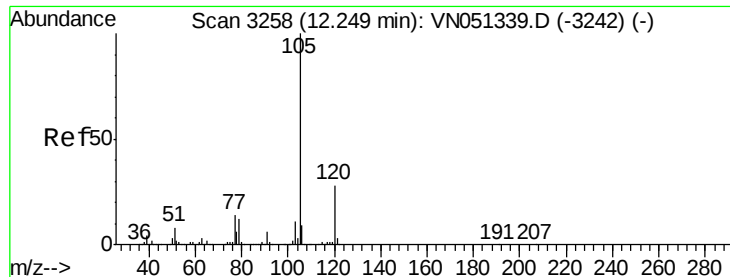
Tot Ion:173 Resp: 286971
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.3 73.0
 254 0.2 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion:152 Resp: 500441
 Ion Ratio Lower Upper
 152 100
 115 53.5 26.9 80.7
 150 172.4 0.0 345.0





#73

Isopropylbenzene

Concen: 51.36 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

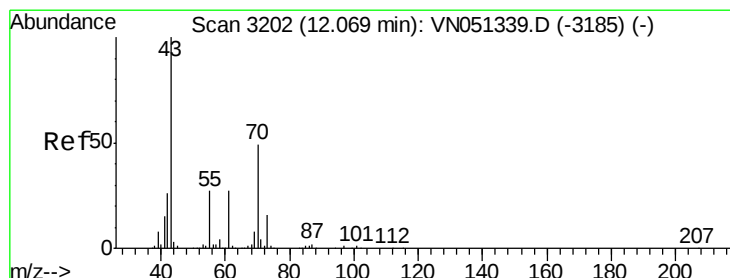
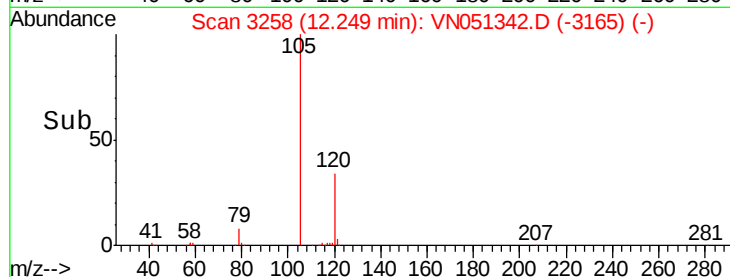
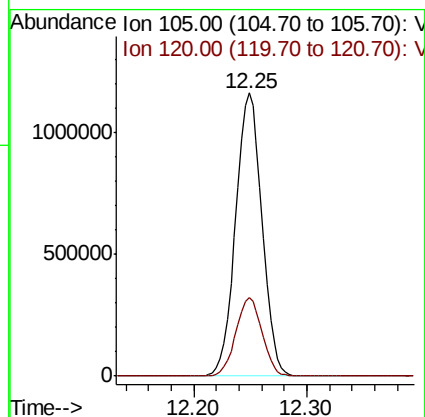
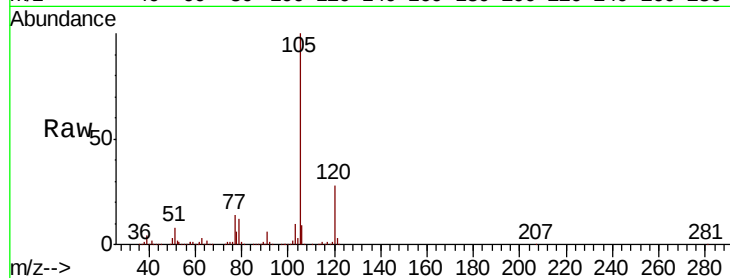
ICVVN092018

Tot Ion:105 Resp: 1883789

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



#74

N-ethyl acetate

Concen: 50.15 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion: 43 Resp: 393494

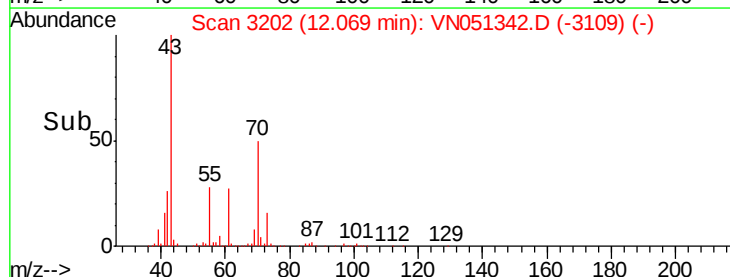
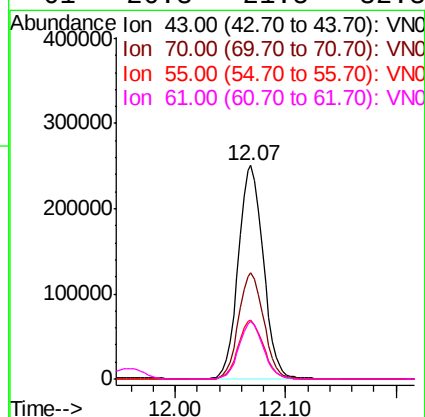
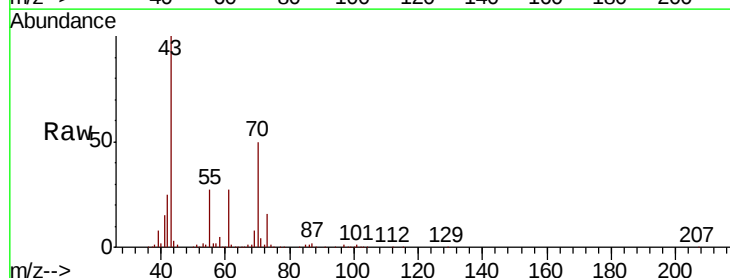
Ion Ratio Lower Upper

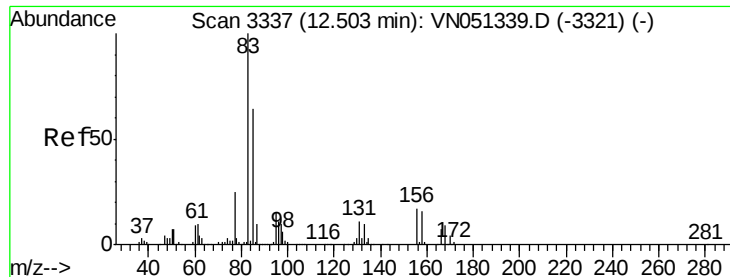
43 100

70 50.1 39.5 59.3

55 28.0 22.6 34.0

61 26.3 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 43.68 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

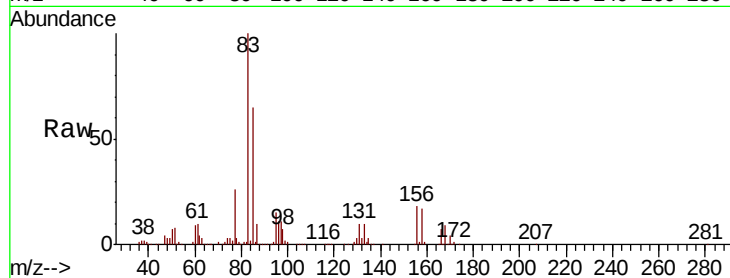
Tot Ion: 83 Resp: 395368

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

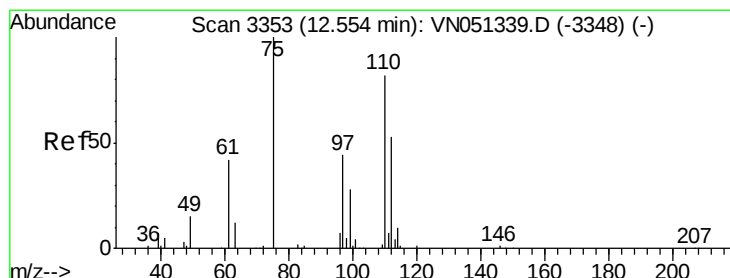
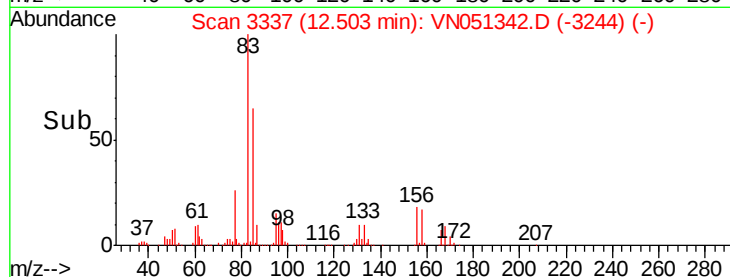
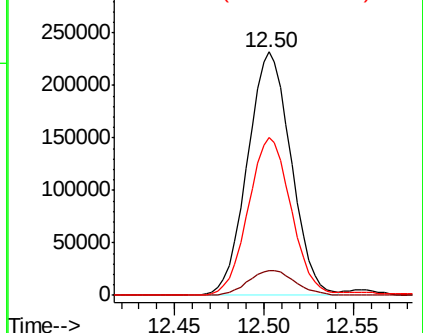
85 64.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.69 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051342.D

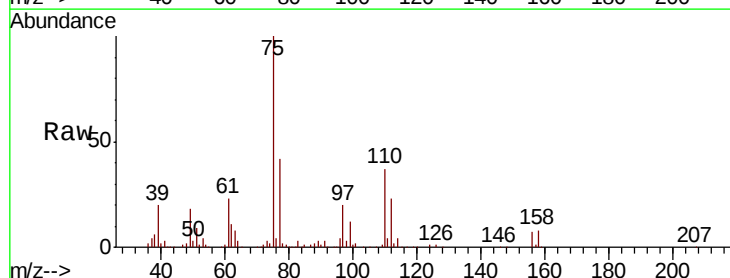
Acq: 20 Sep 2018 16:08

Tgt Ion: 75 Resp: 481954

Ion Ratio Lower Upper

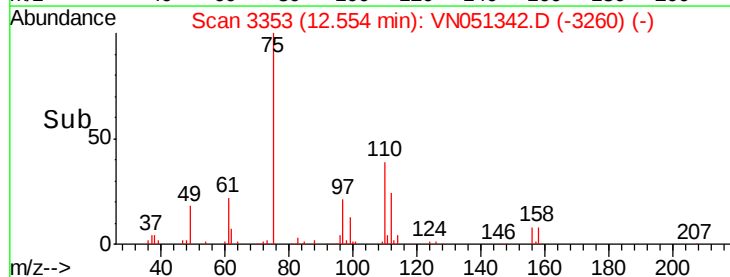
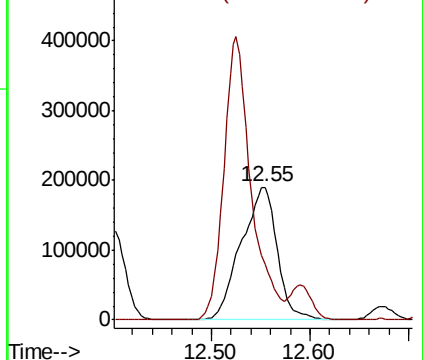
75 100

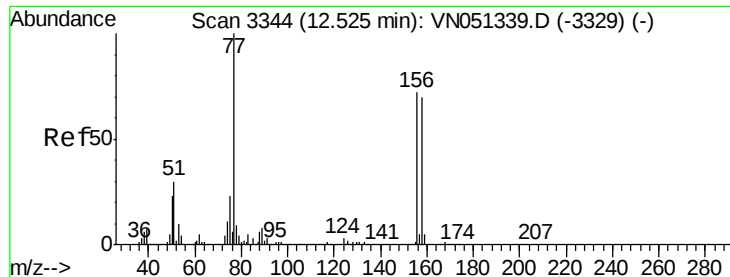
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.37 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

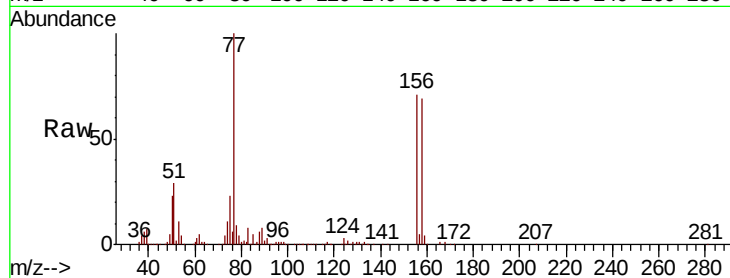
Tot Ion:156 Resp: 490205

Ion Ratio Lower Upper

156 100

77 161.0 80.8 242.4

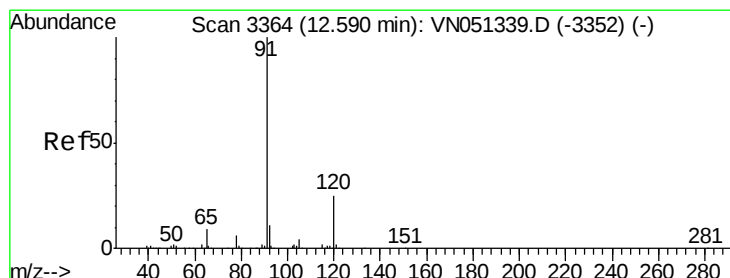
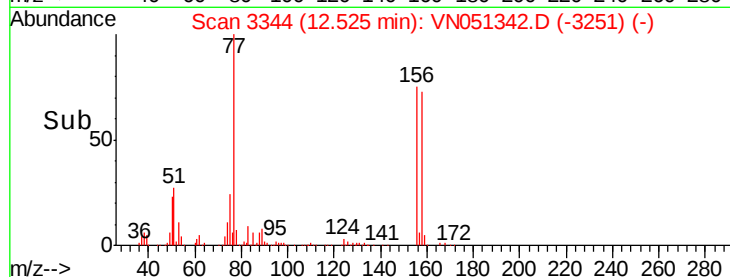
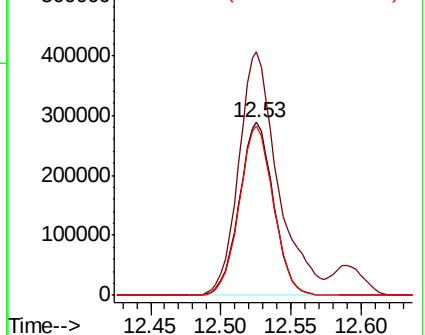
158 97.7 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.86 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051342.D

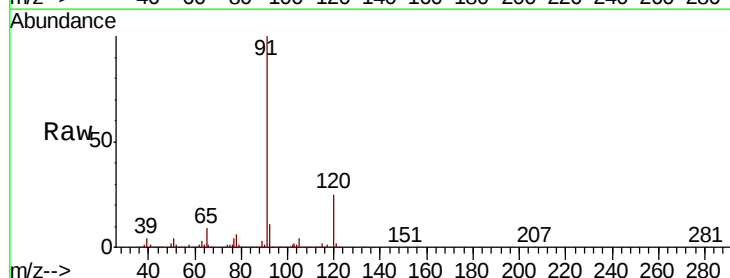
Acq: 20 Sep 2018 16:08

Tgt Ion: 91 Resp: 2113535

Ion Ratio Lower Upper

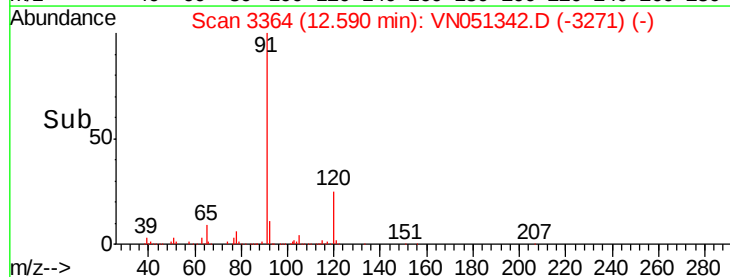
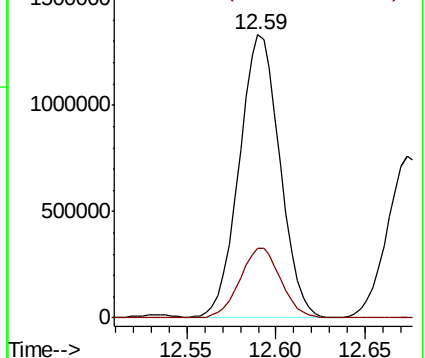
91 100

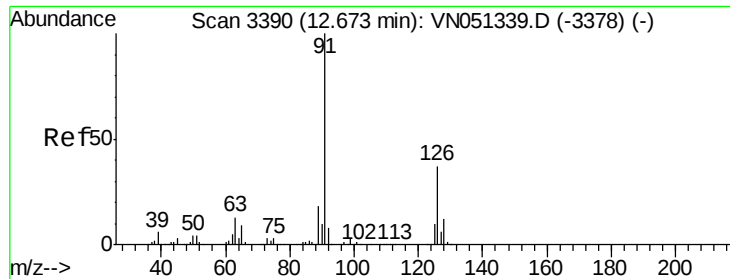
120 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.27 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

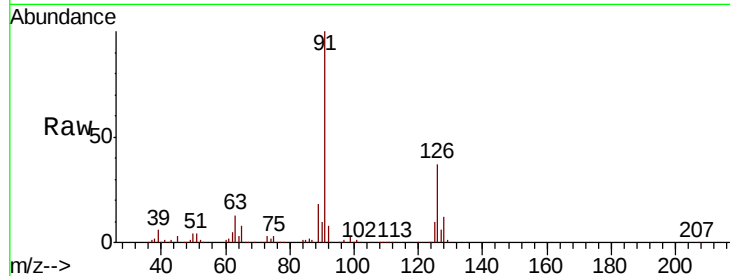
ICVVN092018

Tot Ion: 91 Resp: 1238639

Ion Ratio Lower Upper

91 100

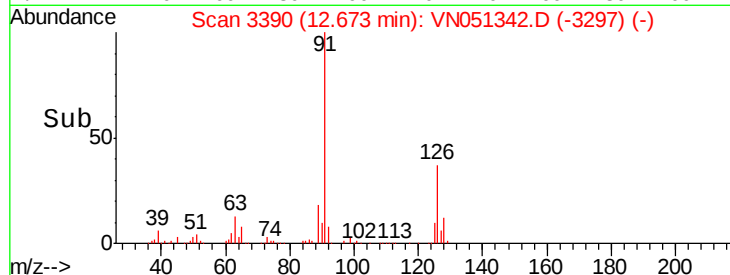
126 37.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN051339.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051339.D (-3378) (-)

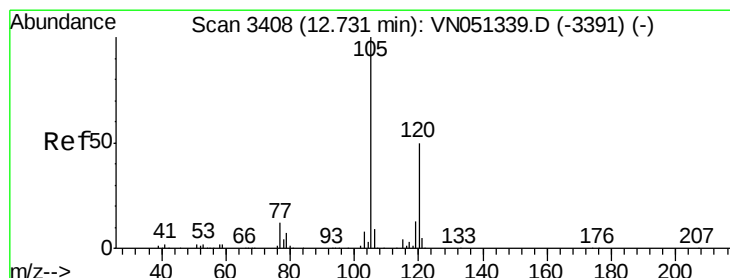
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN051342.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN051342.D (-3297) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.59 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051342.D

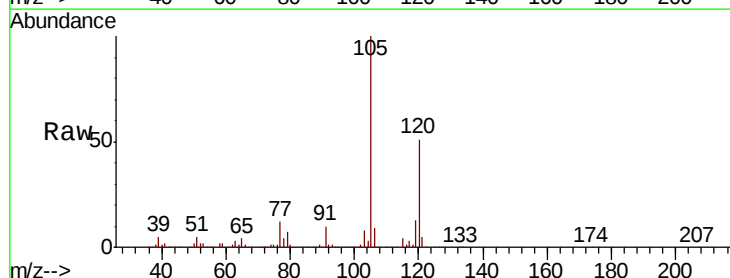
Acq: 20 Sep 2018 16:08

Tgt Ion:105 Resp: 1593480

Ion Ratio Lower Upper

105 100

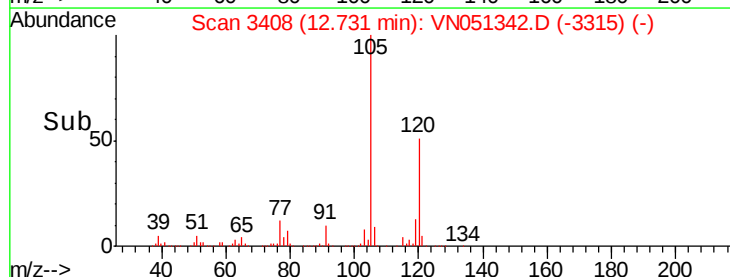
120 50.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VN051339.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051339.D (-3391) (-)

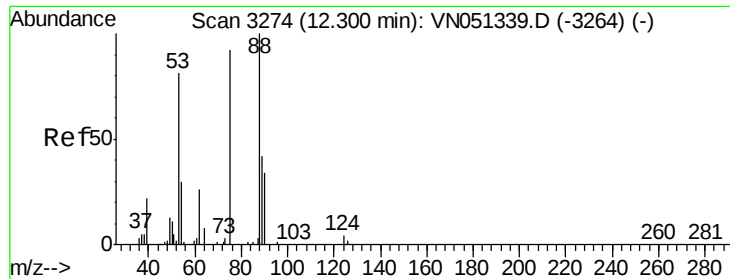
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VN051342.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051342.D (-3315) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.07 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

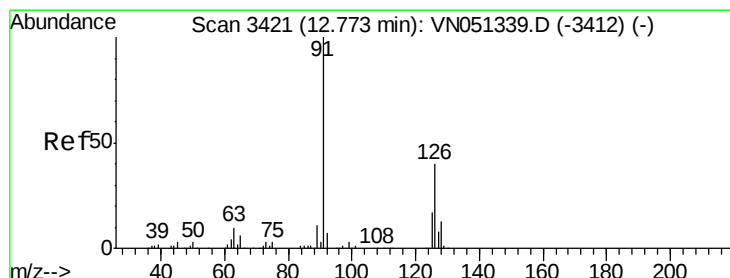
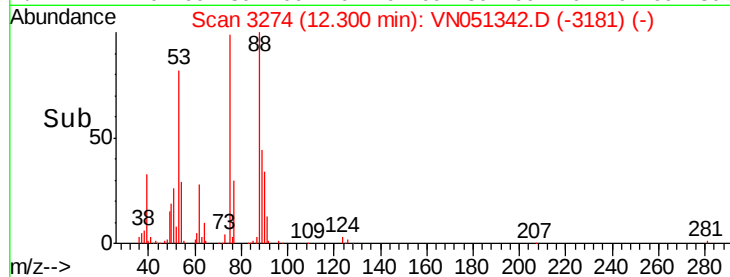
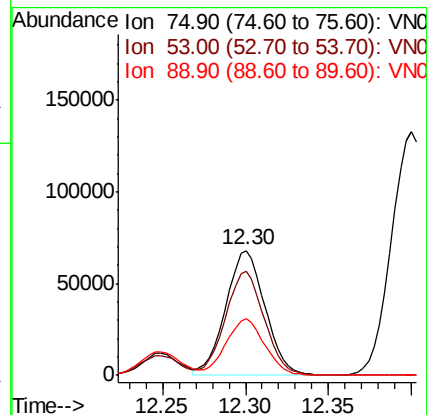
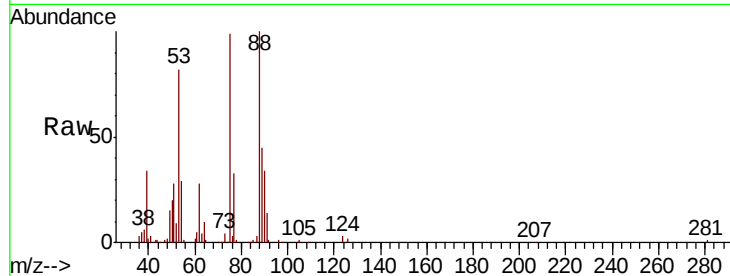
Tot Ion: 75 Resp: 112870

Ion Ratio Lower Upper

75 100

53 81.3 69.9 104.9

89 44.7 37.9 56.9



#82

4-Chlorotoluene

Concen: 52.34 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051342.D

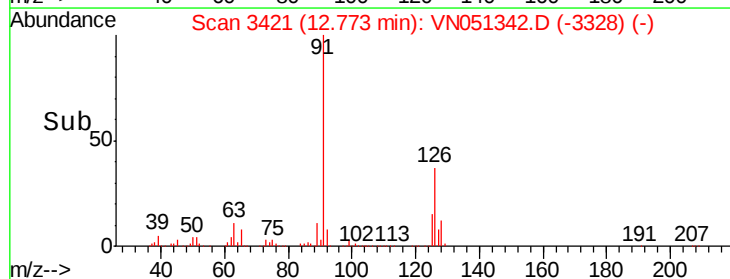
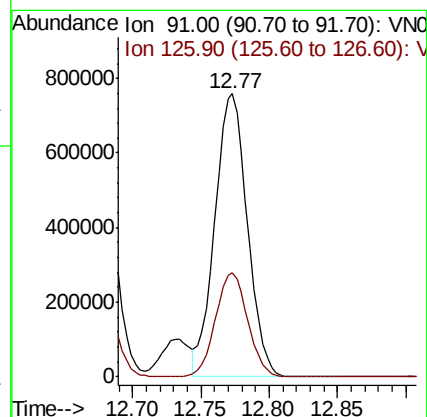
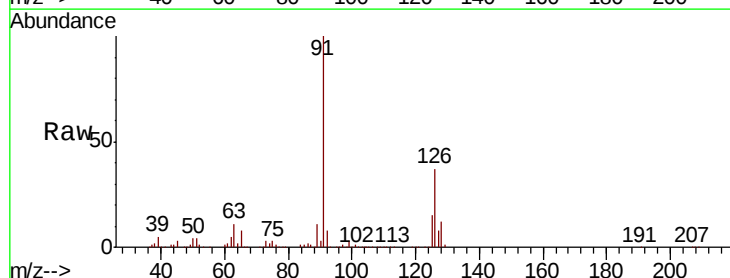
Acq: 20 Sep 2018 16:08

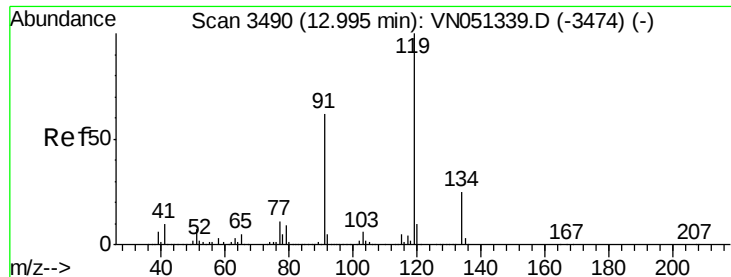
Tgt Ion: 91 Resp: 1253499

Ion Ratio Lower Upper

91 100

126 36.6 18.3 54.9

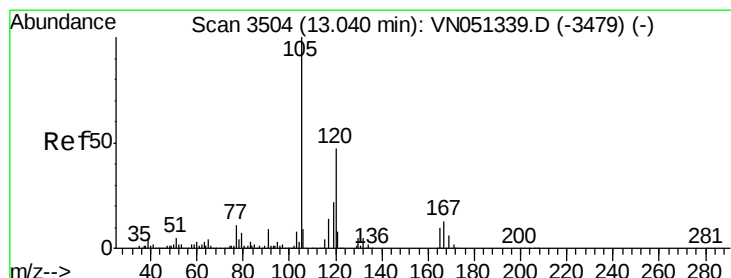
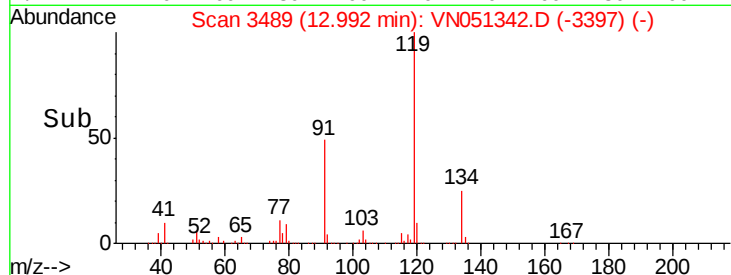
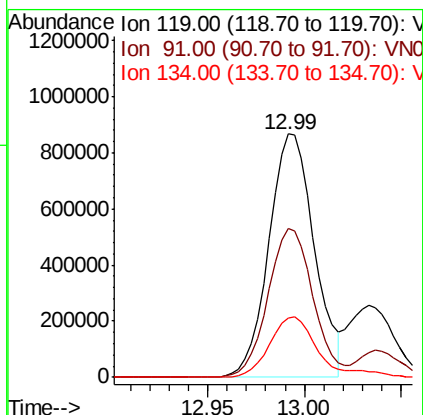
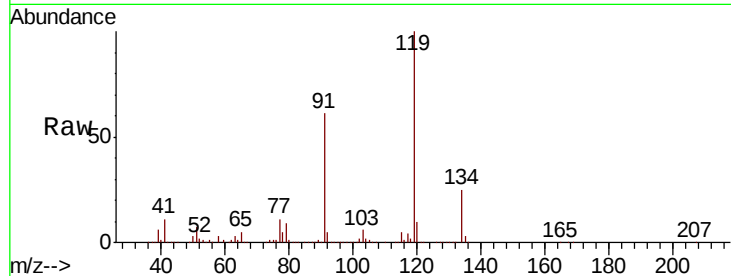




#83
tert-Butylbenzene
Concen: 53.19 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

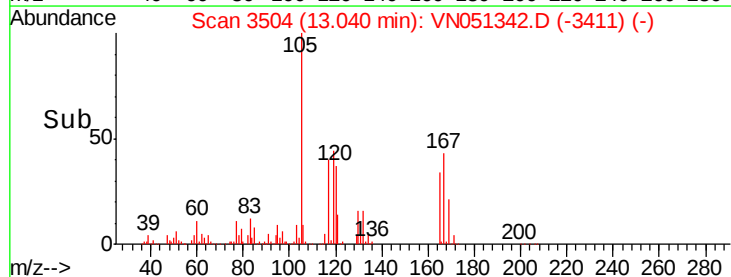
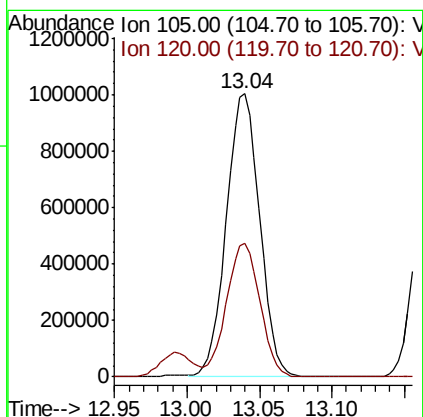
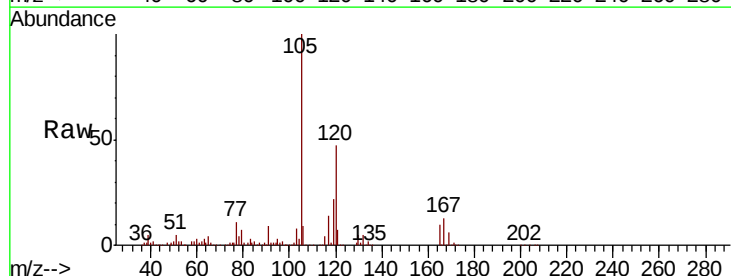
Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

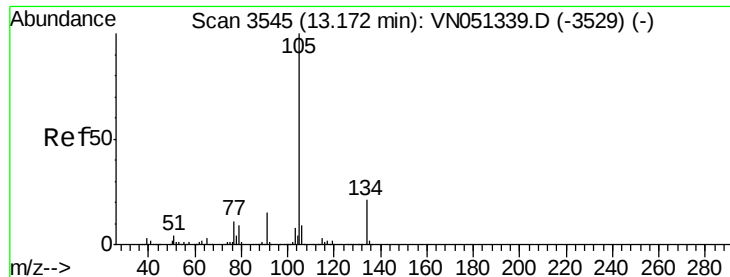
Tot Ion:119 Resp: 1415663
Ion Ratio Lower Upper
119 100
91 60.5 30.6 91.8
134 26.9 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 54.08 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:105 Resp: 1596067
Ion Ratio Lower Upper
105 100
120 47.5 23.5 70.6





#85

sec-Butylbenzene

Concen: 54.17 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

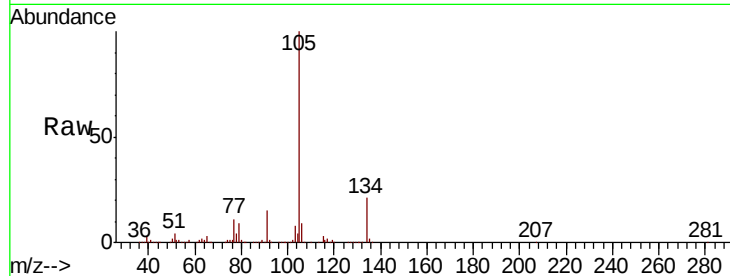
ICVVN092018

Tot Ion:105 Resp: 1917015

Ion Ratio Lower Upper

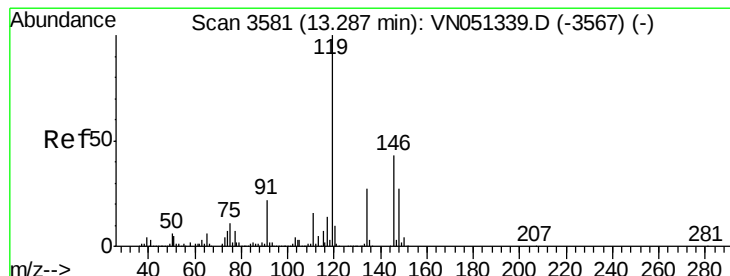
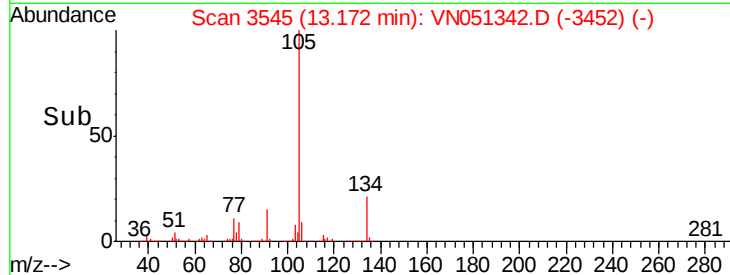
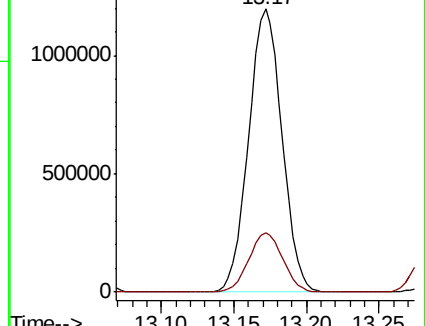
105 100

134 21.3 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.97 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

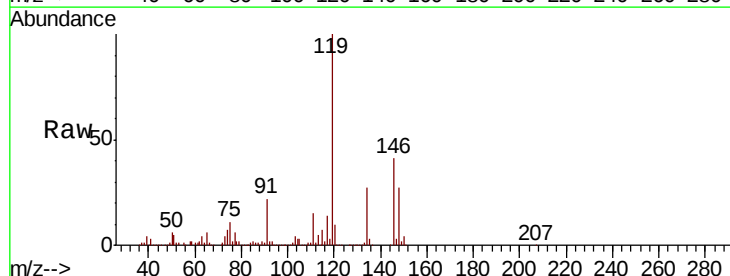
Tgt Ion:119 Resp: 1723778

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

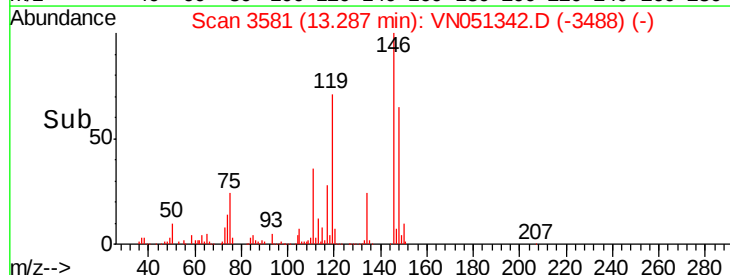
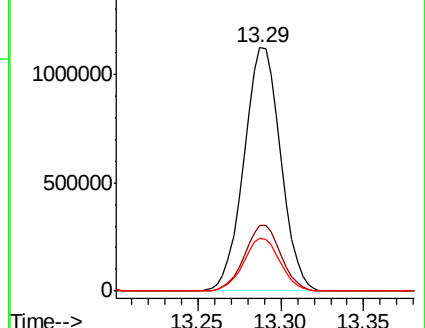
91 21.6 10.8 32.3

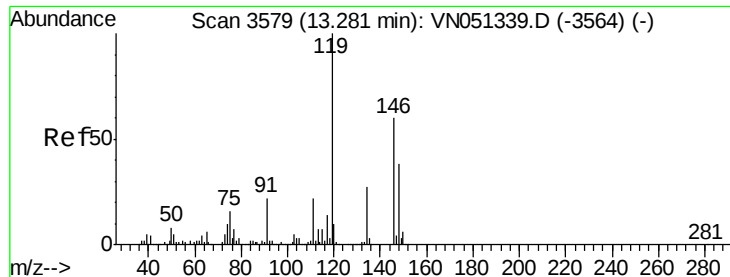


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.74 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

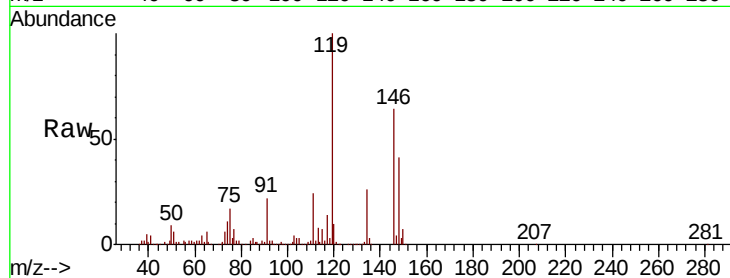
Tot Ion:146 Resp: 864341

Ion Ratio Lower Upper

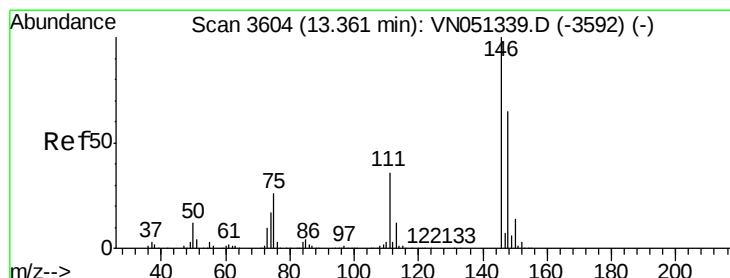
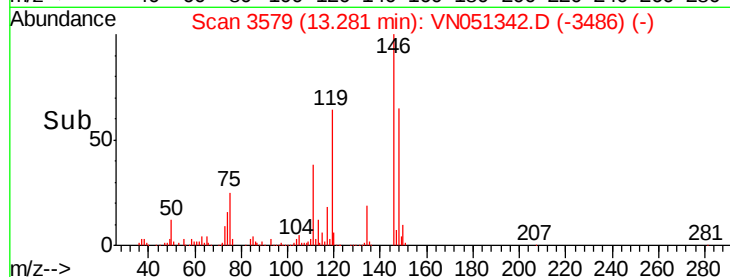
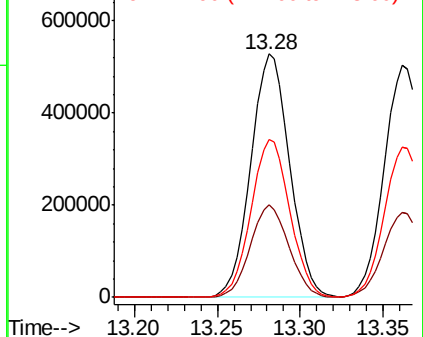
146 100

111 37.7 18.6 55.8

148 64.8 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 50.89 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

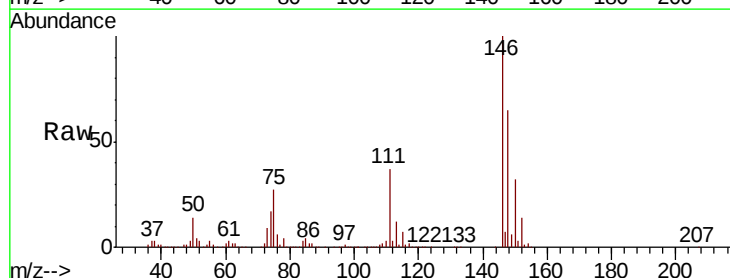
Tgt Ion:146 Resp: 840192

Ion Ratio Lower Upper

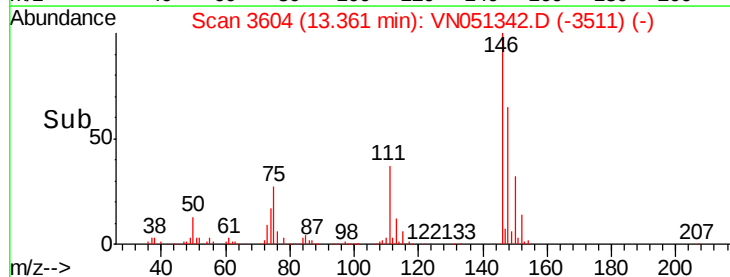
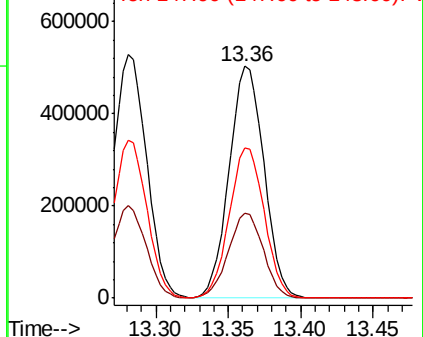
146 100

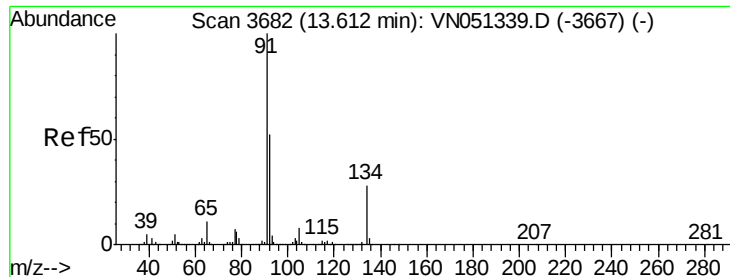
111 36.7 18.2 54.6

148 65.0 32.5 97.4



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

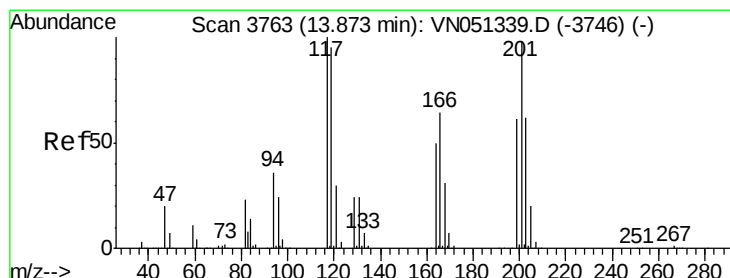
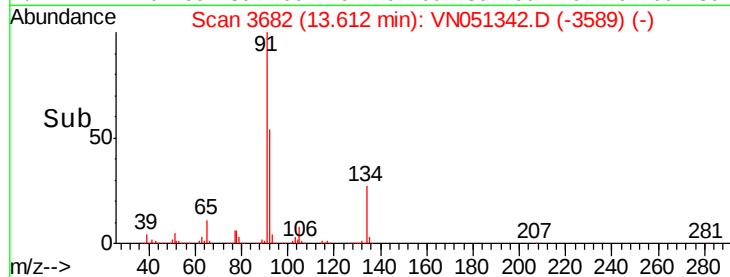
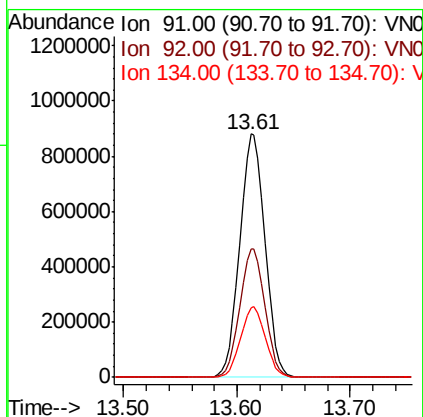
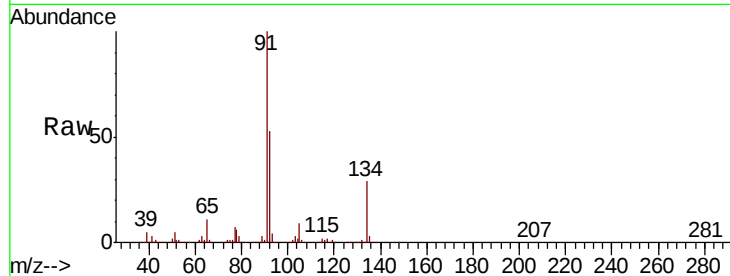




#89
n-Butylbenzene
Concen: 57.12 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

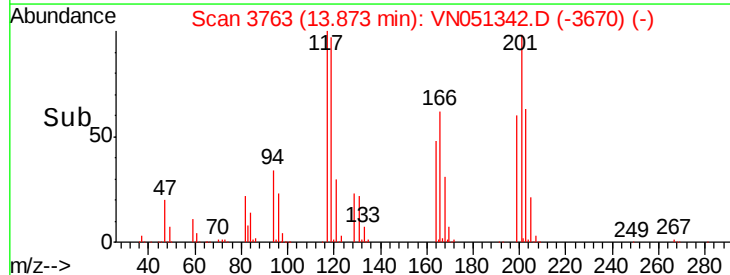
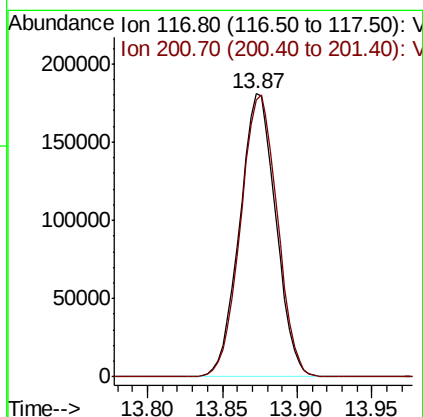
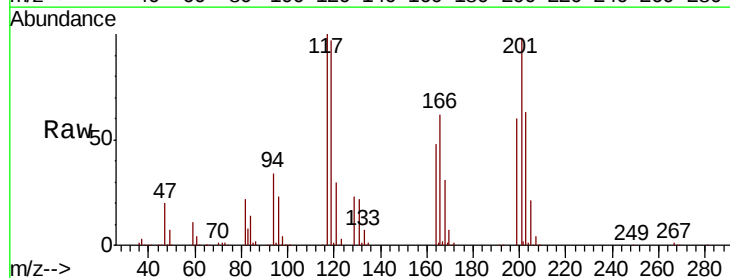
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

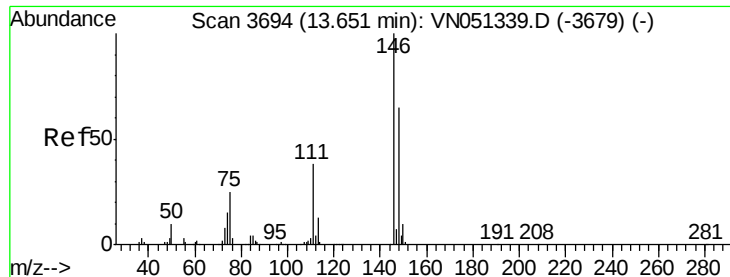
Tot Ion: 91 Resp: 1367560
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 28.6 14.1 42.4



#90
Hexachloroethane
Concen: 46.22 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 117 Resp: 304894
Ion Ratio Lower Upper
117 100
201 101.0 49.5 148.3





#91

1,2-Dichlorobenzene

Concen: 49.73 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

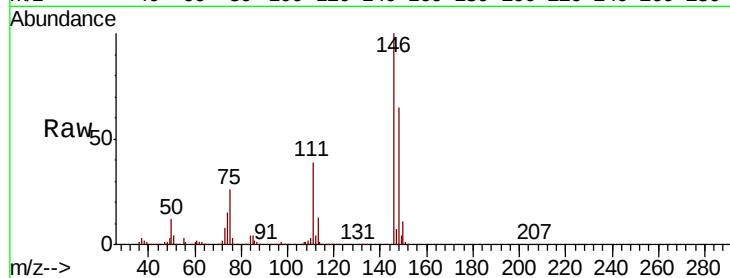
Tot Ion:146 Resp: 818298

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.8

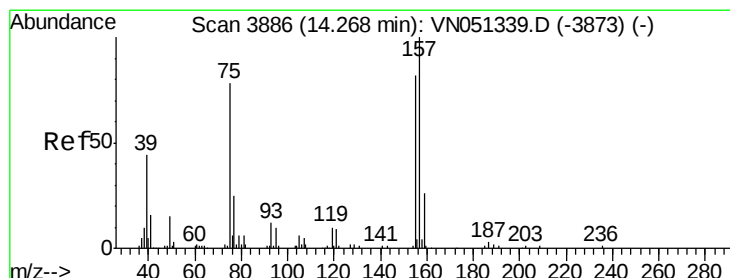
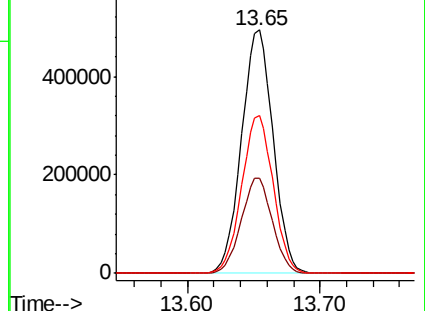
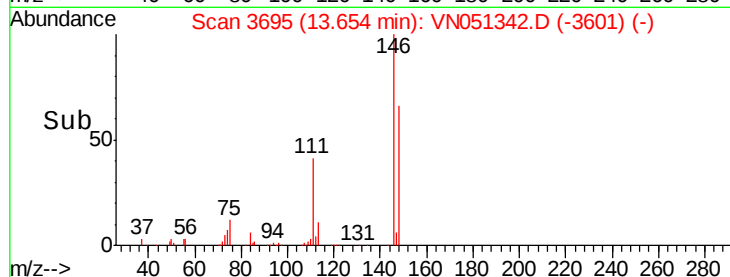
148 64.6 32.9 98.7



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: 46.63 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

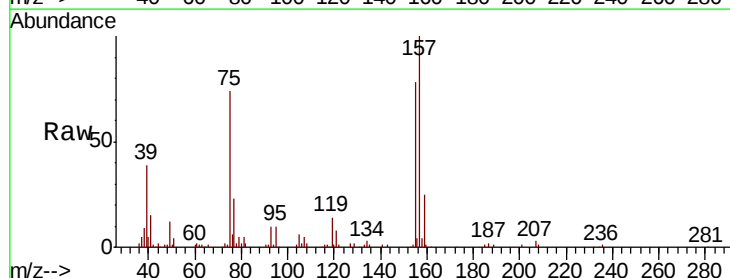
Tgt Ion: 75 Resp: 55906

Ion Ratio Lower Upper

75 100

155 100.8 51.4 154.2

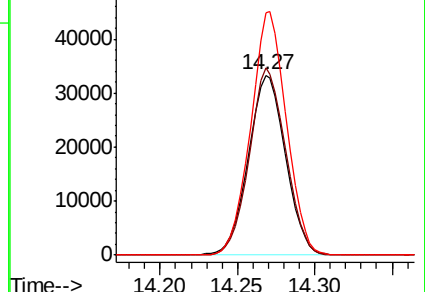
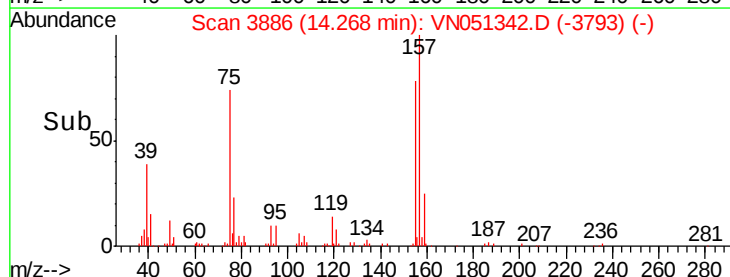
157 129.7 65.4 196.2

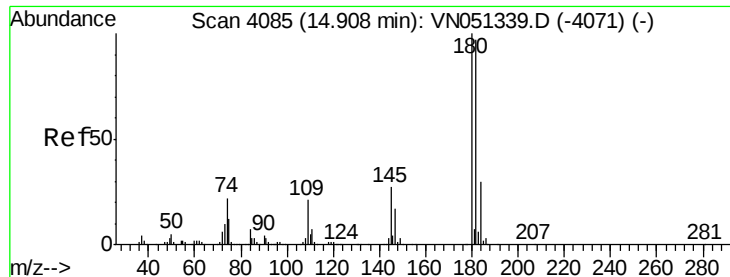


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

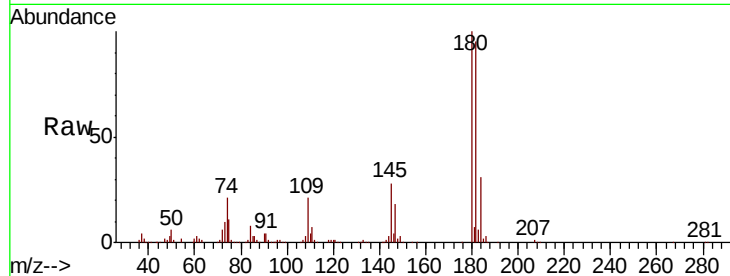




#93
 1,2,4-Trichlorobenzene
 Concen: 62.03 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	27.5	13.7	41.1

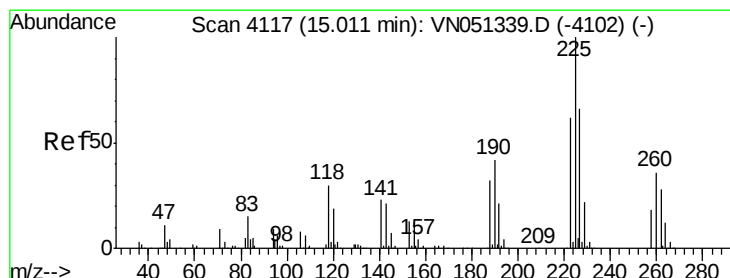
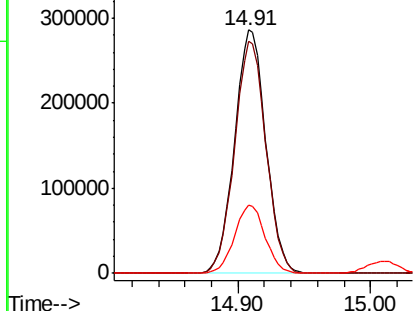
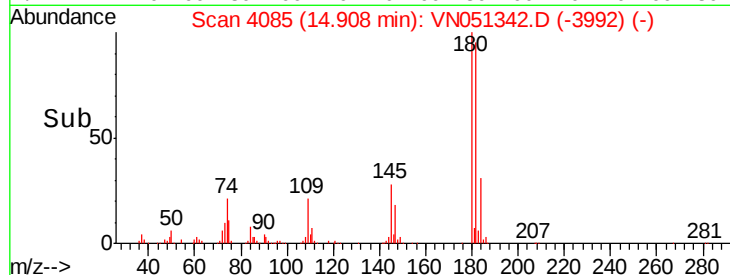


Abundance

Ion 179.80 (179.50 to 180.50): V

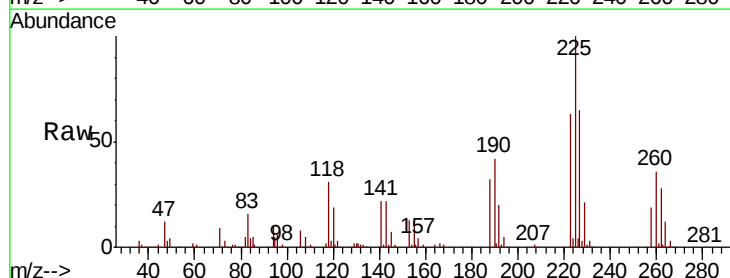
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.91 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	64.2	32.8	98.4

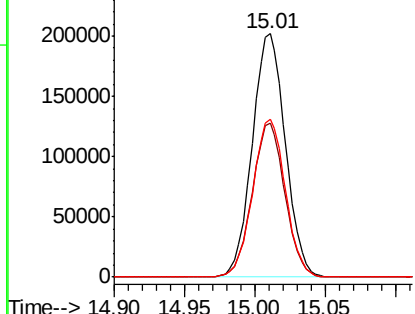
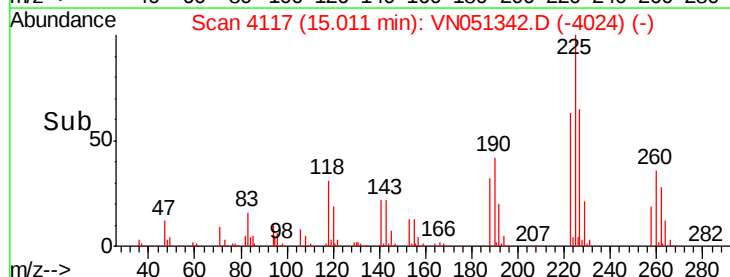


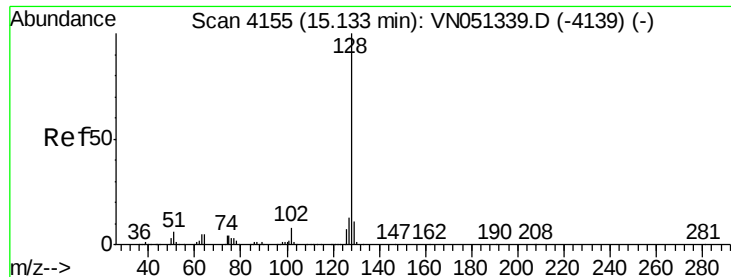
Abundance

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

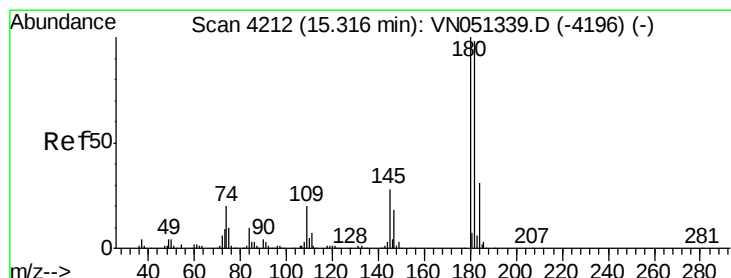
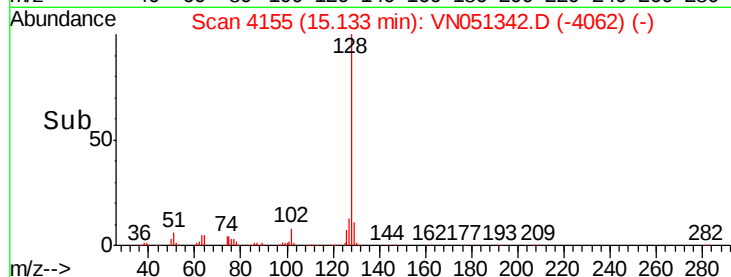
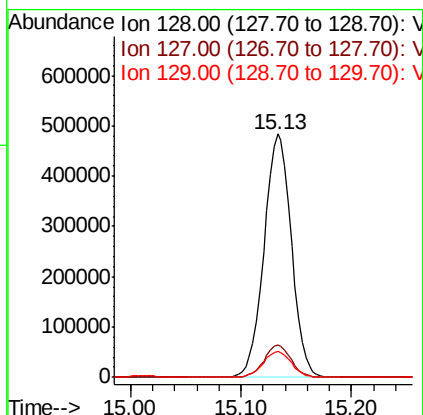
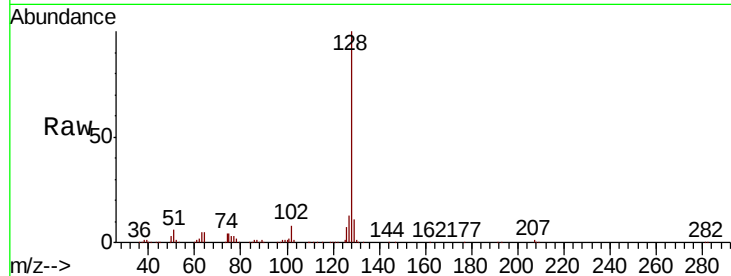




#95
Naphthalene
Concen: 62.53 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion:128 Resp: 831456
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 60.82 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:180 Resp: 456432
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 29.2 14.3 42.9

