

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051028.D
 Acq On : 6 Sep 2018 12:01
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 07 00:52:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	134068	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	702633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	627346	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248935	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	12.40	95	279973	30.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.03%
63) Toluene-d8	10.09	98	888243	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	151240	18.17	ug/l	100
3) Chloromethane	2.06	50	174555	17.75	ug/l	99
4) Vinyl Chloride	2.18	62	172497	17.76	ug/l	100
5) Bromomethane	2.55	94	113819	19.22	ug/l	98
6) Chloroethane	2.69	64	102368	17.87	ug/l	98
7) Trichlorofluoromethane	3.01	101	242876	18.86	ug/l	99
8) Diethyl Ether	3.41	74	87270	19.22	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155770	19.53	ug/l	99
10) 1,1-Dichloroethene	3.73	96	131356	18.13	ug/l	98
11) Methyl Iodide	3.95	142	102695	15.19	ug/l	98
12) Methyl Acetate	4.33	43	204652	24.43	ug/l	97
13) Acrolein	3.61	56	47429	255.70	ug/l	97
14) Acrylonitrile	4.99	53	288134	101.73	ug/l	97
15) Acetone	3.82	58	82336	113.61	ug/l	90
16) Carbon Disulfide	4.05	76	367610	16.88	ug/l	100
17) Allyl chloride	4.32	41	208369	18.28	ug/l	100
18) Methylene Chloride	4.55	84	160255	18.85	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	140960	18.26	ug/l	96
20) Diisopropyl ether	5.95	45	453276	19.16	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271305	18.70	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	159039	18.24	ug/l	96
23) tert-Butyl Alcohol	4.80	59	63675	105.71	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	381652	19.26	ug/l	98
25) Chloroform	7.37	83	275920	19.06	ug/l	99
26) Cyclohexane	7.65	56	215171	17.90	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	201197	19.13	ug/l	99
30) 2-Butanone	6.84	43	343013	106.00	ug/l	99
31) 2,2-Dichloropropane	6.82	77	222075	21.70	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	232293	19.47	ug/l	100
33) Carbon Tetrachloride	7.77	117	207891	19.35	ug/l	94
34) Benzene	8.04	78	624132	19.18	ug/l	99
35) Methacrylonitrile	7.17	41	58599	16.53	ug/l	94
36) 1,2-Dichloroethane	8.12	62	196844	20.00	ug/l	100
37) Trichloroethene	8.83	130	165677	19.48	ug/l	93
38) Methylcyclohexane	9.08	83	210124	18.60	ug/l	98
39) 1,2-Dichloropropane	9.12	63	166755	19.62	ug/l	99
40) Dibromomethane	9.21	93	100245	19.58	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208426	19.31	ug/l	96
42) Vinyl Acetate	5.90	43	1375434	92.28	ug/l	99
43) Ethyl Acetate	6.93	43	132769	20.03	ug/l	100
44) Isopropyl Acetate	8.17	43	235686	20.15	ug/l	97
45) 1,4-Dioxane	9.20	88	35500	408.54	ug/l	98
46) Methyl methacrylate	9.20	41	114366	19.52	ug/l	97
47) n-amyl Acetate	12.07	43	183324	19.49	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	204307	19.31	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	237109	19.51	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	147687	19.85	ug/l	98
51) Ethyl methacrylate	10.43	69	174501	19.17	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241851	19.63	ug/l	97
53) Dibromochloromethane	10.90	129	165402	19.55	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144896	19.70	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	341097	90.07	ug/l	99
56) Bromoform	12.13	173	122180	20.31	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	722888	100.71	ug/l	98
59) 2-Hexanone	10.75	43	499597	106.48	ug/l	99
61) Tetrachloroethene	10.63	164	150782	19.29	ug/l	98
62) Toluene	10.16	91	671404	19.18	ug/l	100
64) Chlorobenzene	11.43	112	422404	19.47	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	159632	19.49	ug/l	98
66) Ethyl Benzene	11.51	91	681651	18.80	ug/l	98
67) m/p-Xylenes	11.62	106	545016	39.07	ug/l	99
68) o-Xylene	11.95	106	257640	19.33	ug/l	100
69) Styrene	11.96	104	411605	19.42	ug/l	99
70) Isopropylbenzene	12.25	105	700676	19.78	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	198992	20.75	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	230995	27.92	ug/l	92
73) Bromobenzene	12.53	156	180988	19.42	ug/l	99
74) n-propylbenzene	12.59	91	781685	19.52	ug/l	99
75) 2-Chlorotoluene	12.67	91	475704	19.56	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	573935	19.83	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	47451	20.13	ug/l	96
78) 4-Chlorotoluene	12.77	91	466555	19.48	ug/l	99
79) tert-butylbenzene	12.99	119	489933	19.49	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	581553	20.15	ug/l	100
81) sec-Butylbenzene	13.17	105	655644	19.94	ug/l	100
82) p-Isopropyltoluene	13.29	119	561451	19.78	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	306463	19.45	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289066	19.37	ug/l	99
85) n-Butylbenzene	13.62	91	417669	19.28	ug/l	100
86) Hexachloroethane	13.88	117	108987	20.00	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	304106	19.61	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27735	20.67	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	118632	17.18	ug/l	100
90) Hexachlorobutadiene	15.01	225	102717	21.90	ug/l	100
91) Naphthalene	15.14	128	232343	19.34	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	128907	18.61	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

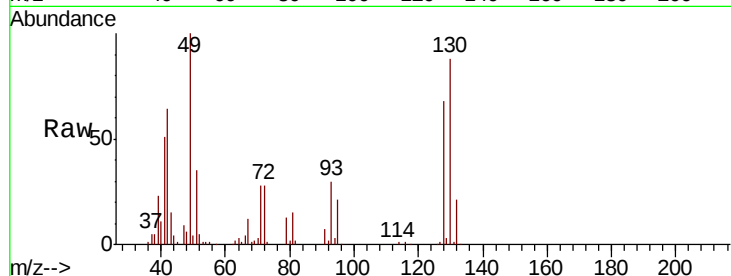
Tot Ion:128 Resp: 134068

Ion Ratio Lower Upper

128 100

49 147.4 0.0 380.3

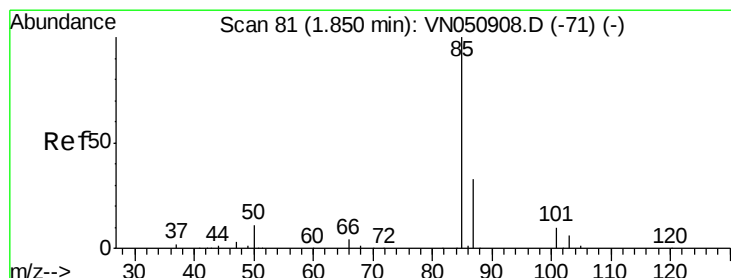
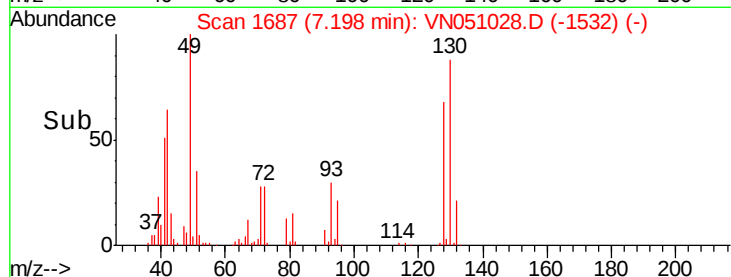
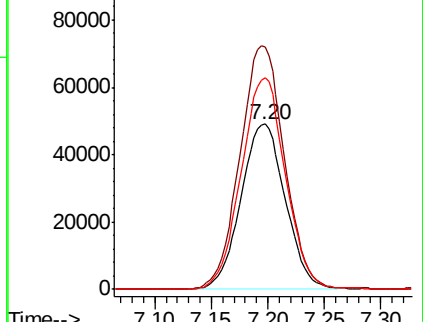
130 127.8 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.17 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051028.D

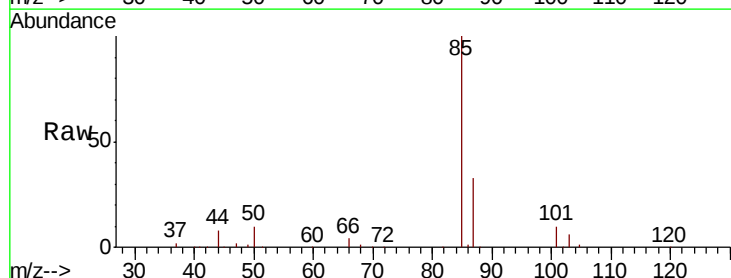
Acq: 6 Sep 2018 12:01

Tgt Ion: 85 Resp: 151240

Ion Ratio Lower Upper

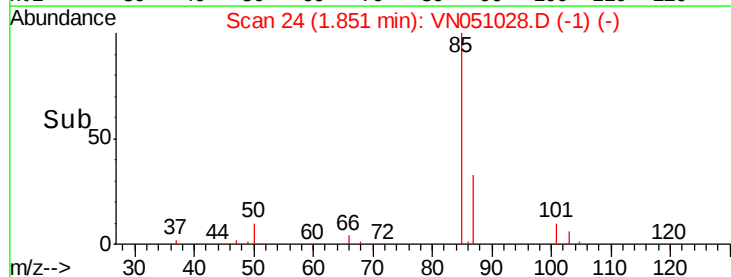
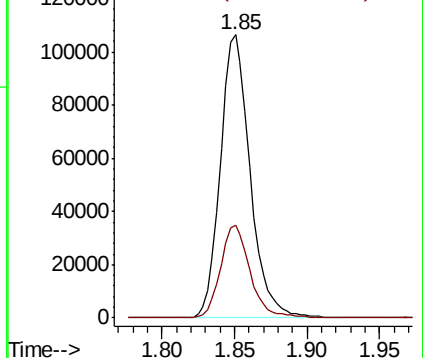
85 100

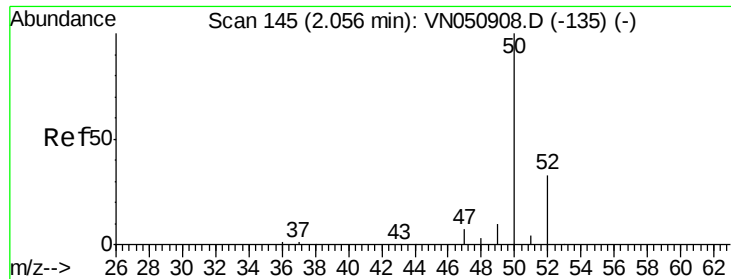
87 32.7 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

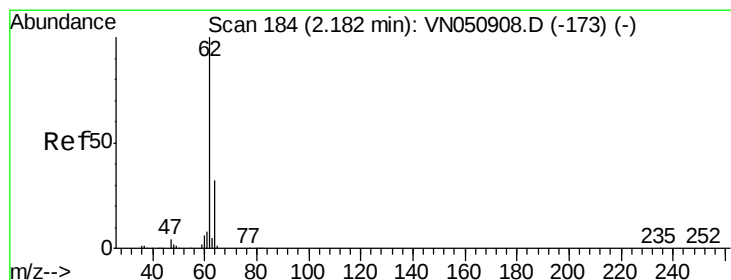
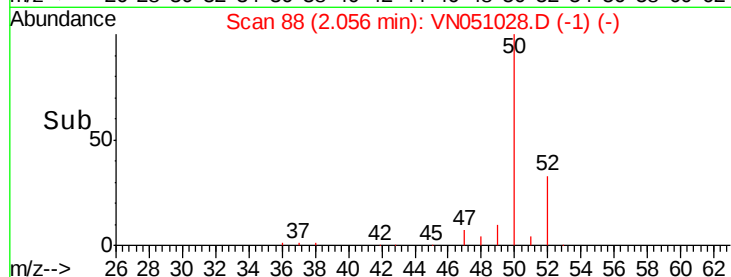
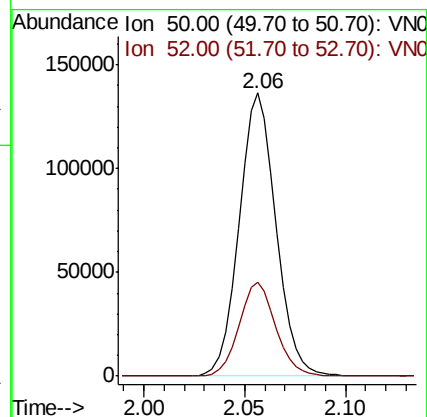
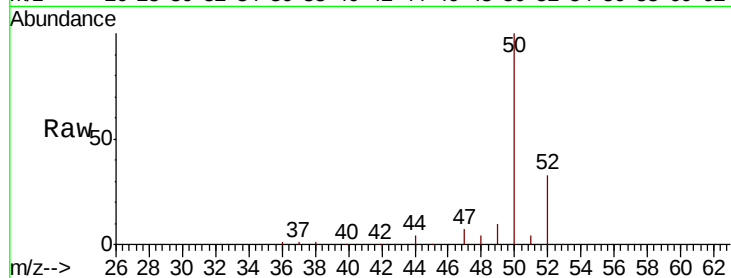
VSTDCCC020

Tot Ion: 50 Resp: 174555

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 17.76 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051028.D

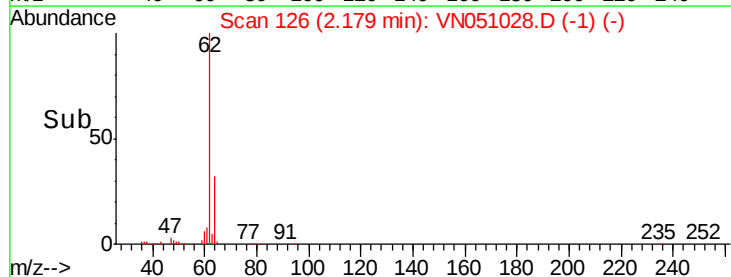
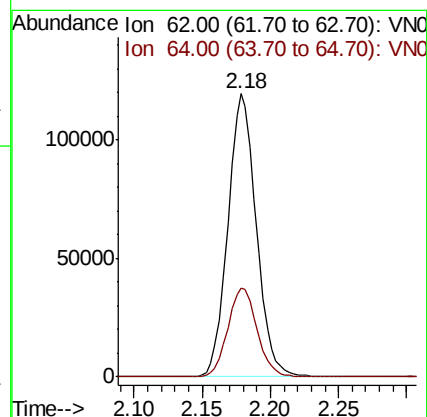
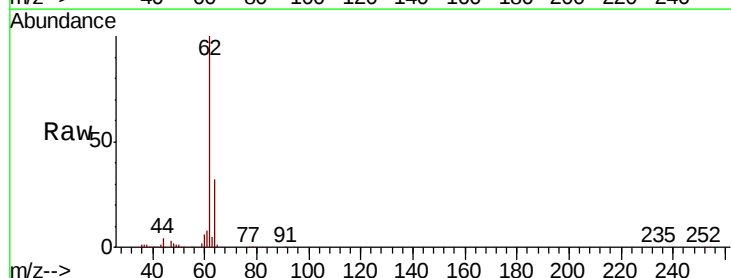
Acq: 6 Sep 2018 12:01

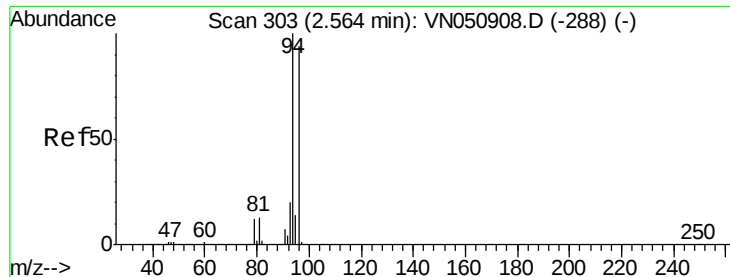
Tgt Ion: 62 Resp: 172497

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 19.22 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

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ClientSampleId :

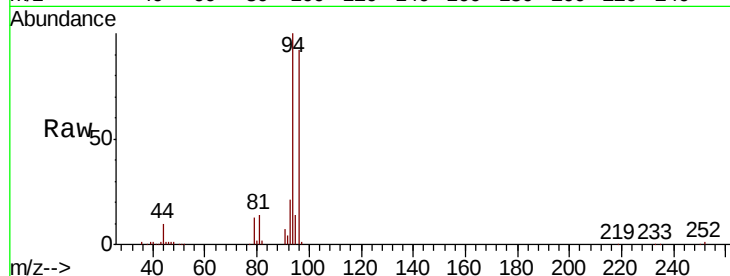
VSTDCCC020

Tot Ion: 94 Resp: 113819

Ion Ratio Lower Upper

94 100

96 91.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

60000

50000

40000

30000

20000

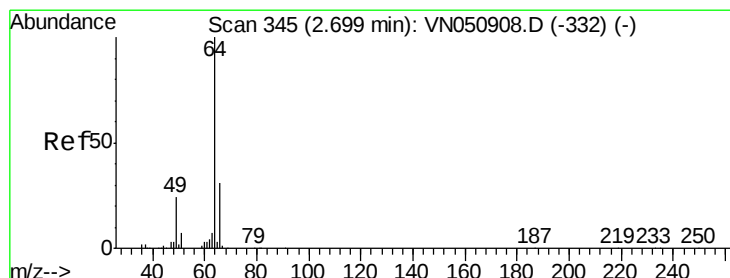
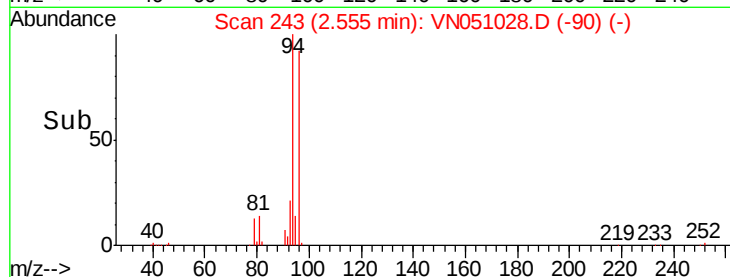
10000

0

2.55

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 17.87 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051028.D

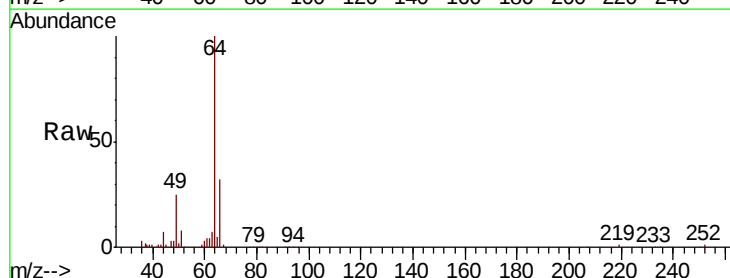
Acq: 6 Sep 2018 12:01

Tgt Ion: 64 Resp: 102368

Ion Ratio Lower Upper

64 100

66 31.8 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

20000

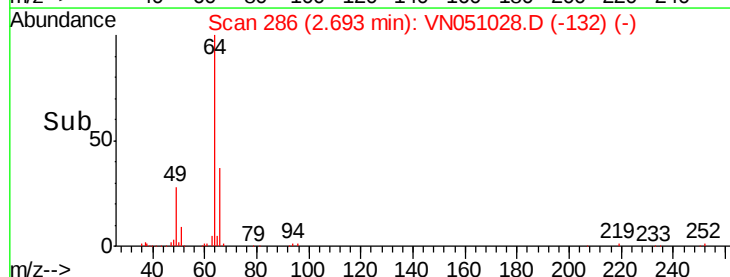
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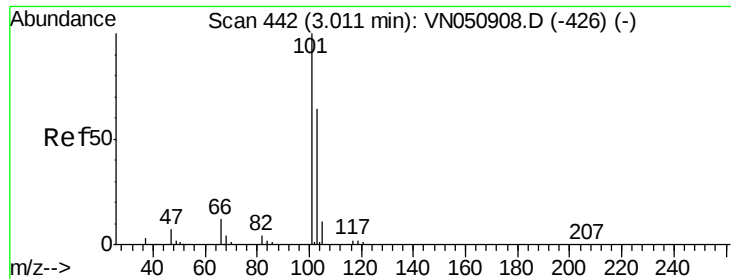
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2.69

2.60 2.65 2.70 2.75 2.80

Time-->



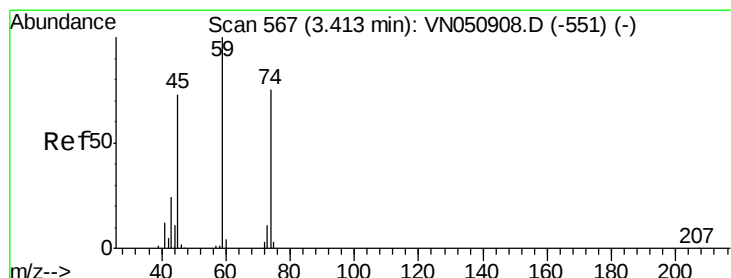
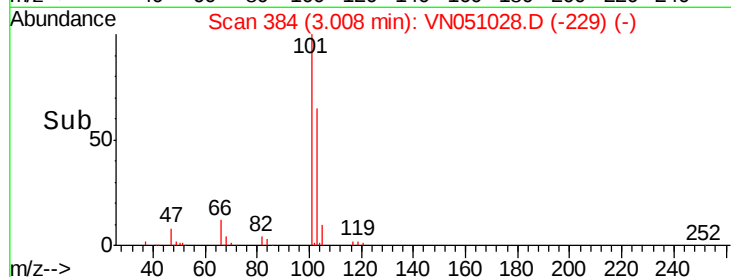
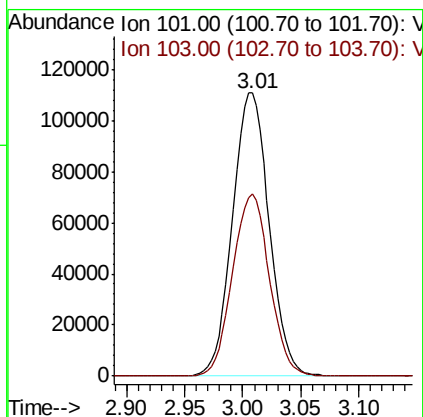
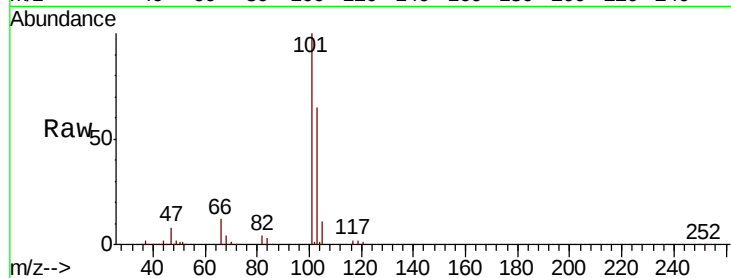


#7

Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051028.D
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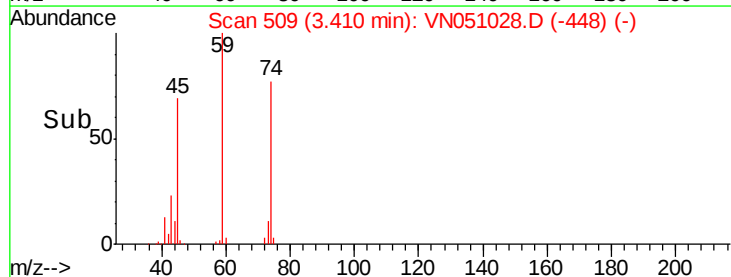
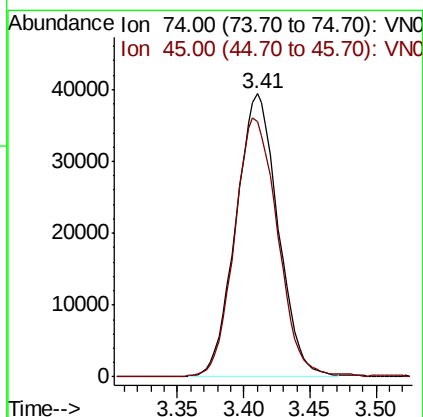
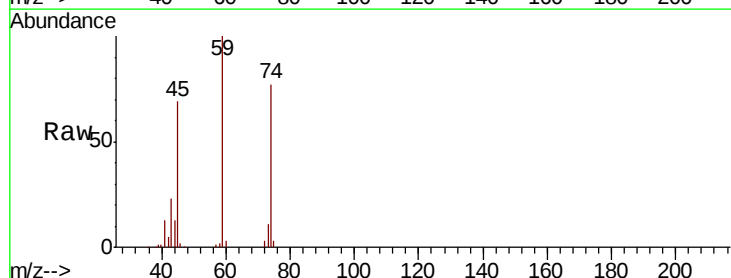
Tot Ion:101 Resp: 242876
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.3 76.9

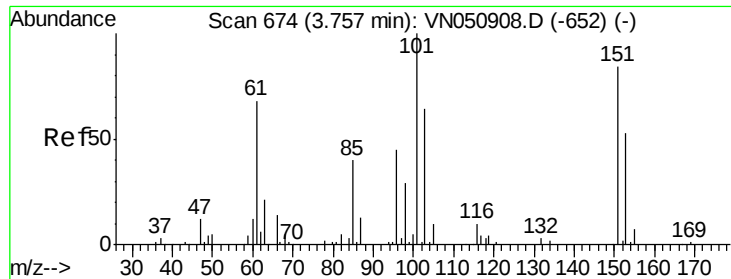


#8

Diethyl Ether
 Concen: 19.22 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 74 Resp: 87270
 Ion Ratio Lower Upper
 74 100
 45 93.2 19.7 177.1

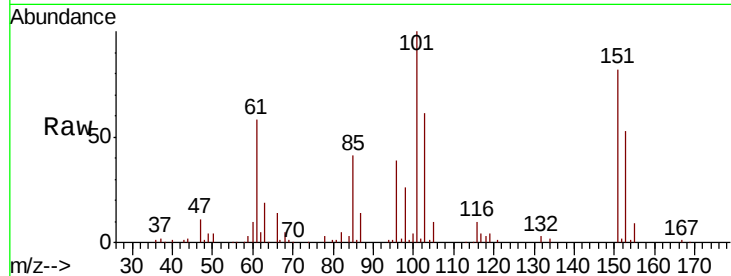




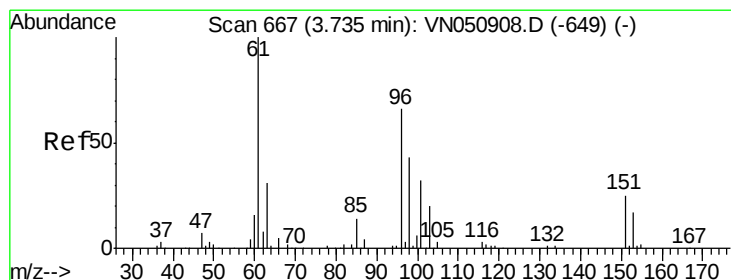
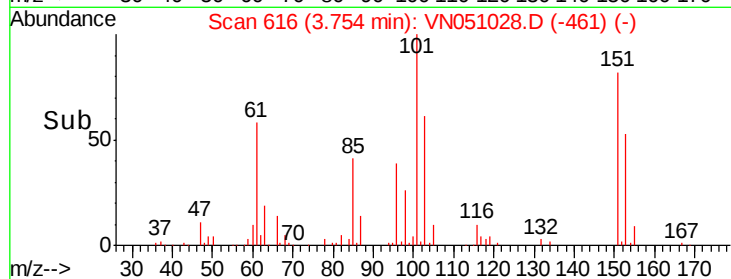
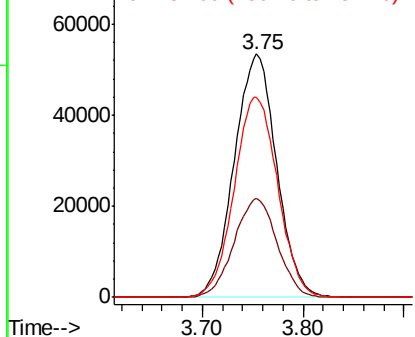
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.53 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 155770
 Ion Ratio Lower Upper
 101 100
 85 41.3 0.0 83.6
 151 84.6 0.0 167.0

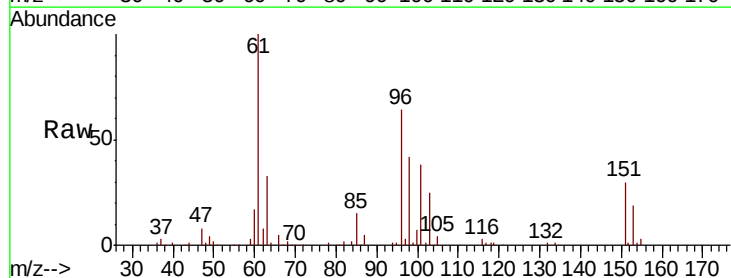


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

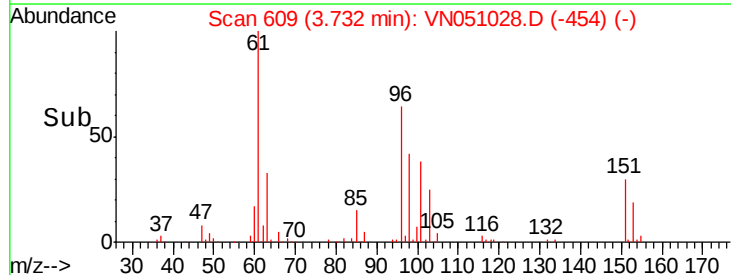
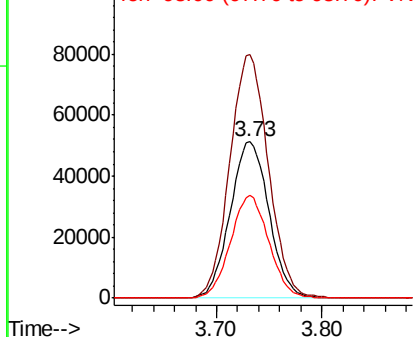


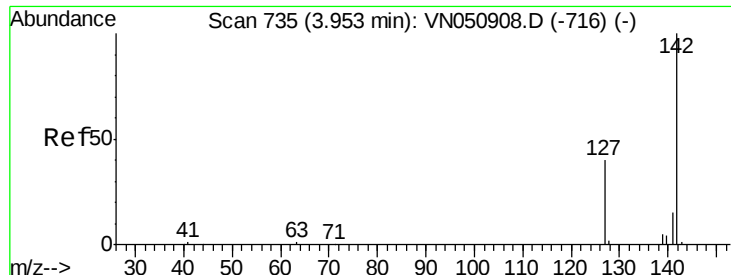
#10
 1,1-Dichloroethene
 Concen: 18.13 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 96 Resp: 131356
 Ion Ratio Lower Upper
 96 100
 61 155.9 121.8 182.8
 98 65.7 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

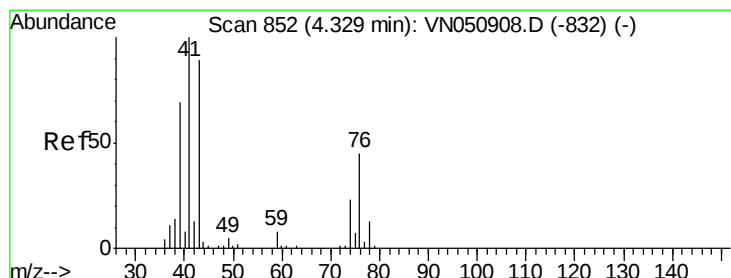
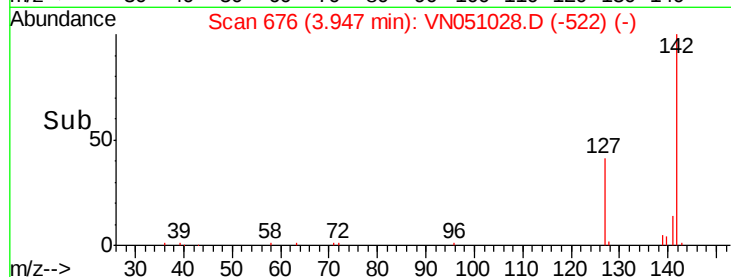
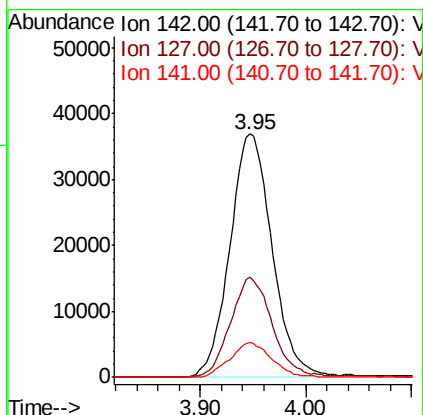
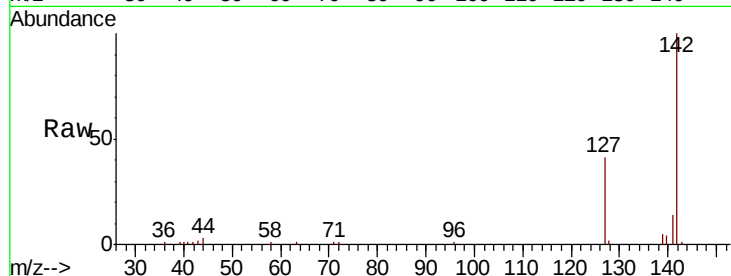




#11
Methvl Iodide
Concen: 15.19 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

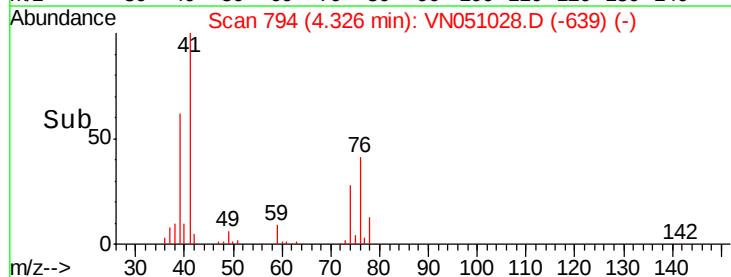
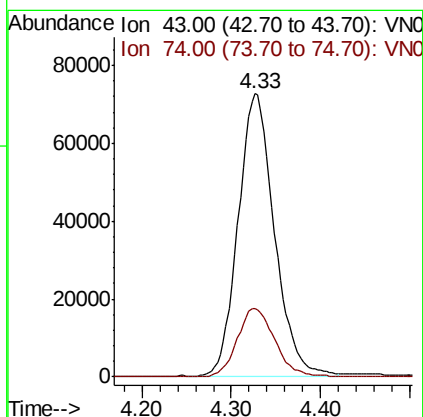
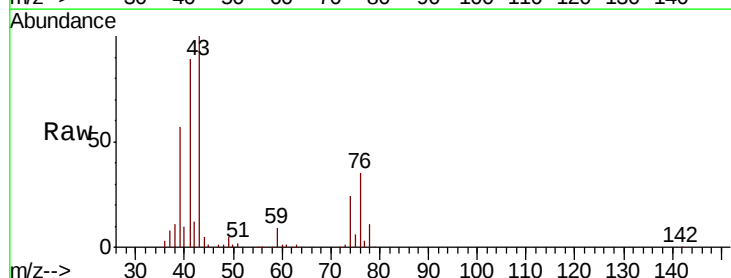
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

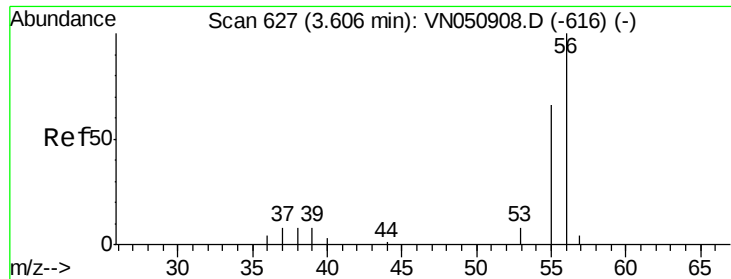
Tot Ion:142 Resp: 102695
Ion Ratio Lower Upper
142 100
127 40.8 19.7 59.1
141 14.2 7.3 22.0



#12
Methyl Acetate
Concen: 24.43 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 43 Resp: 204652
Ion Ratio Lower Upper
43 100
74 24.3 20.6 31.0





#13

Acrolein

Concen: 255.70 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

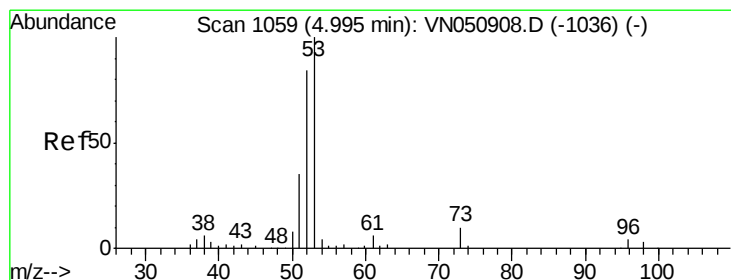
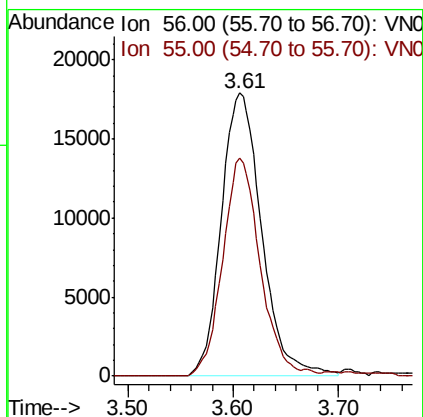
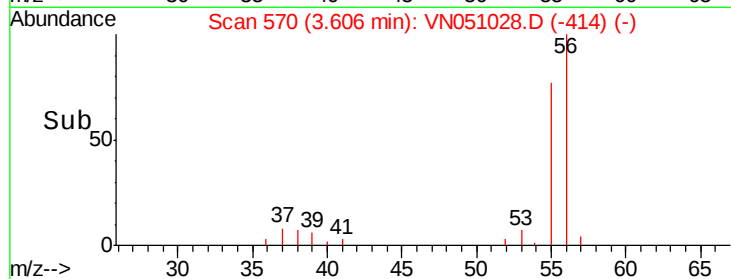
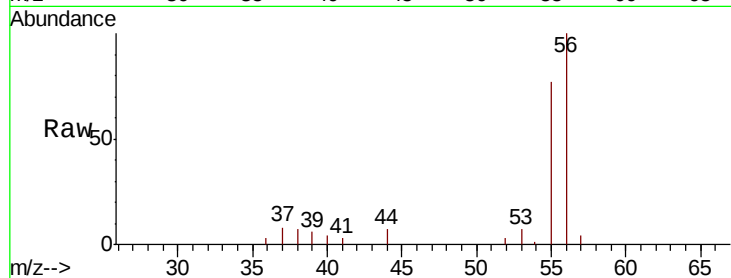
VSTDCCC020

Tot Ion: 56 Resp: 47429

Ion Ratio Lower Upper

56 100

55 71.2 59.1 88.7



#14

Acrylonitrile

Concen: 101.73 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

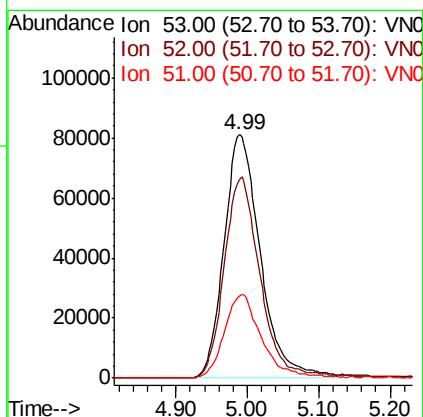
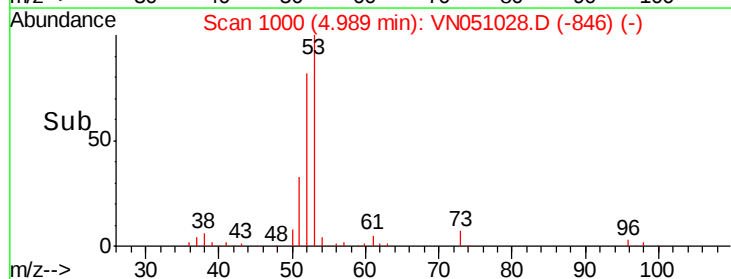
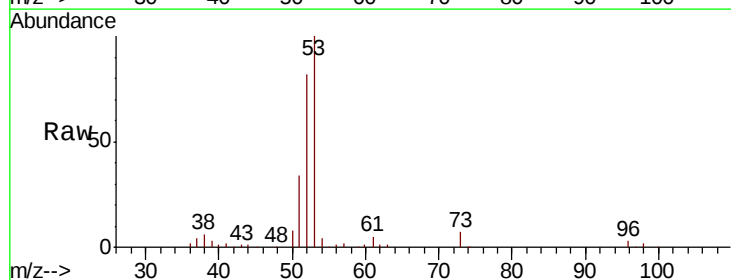
Tgt Ion: 53 Resp: 288134

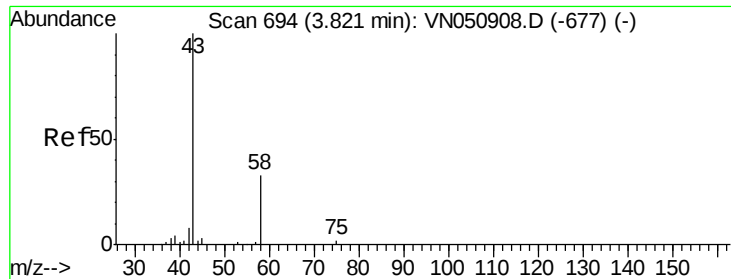
Ion Ratio Lower Upper

53 100

52 81.2 42.2 126.6

51 34.6 17.7 53.1





#15

Acetone

Concen: 113.61 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

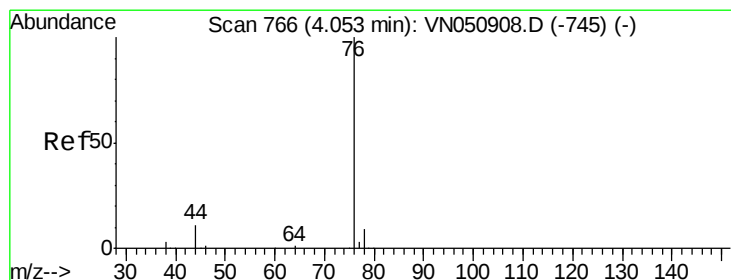
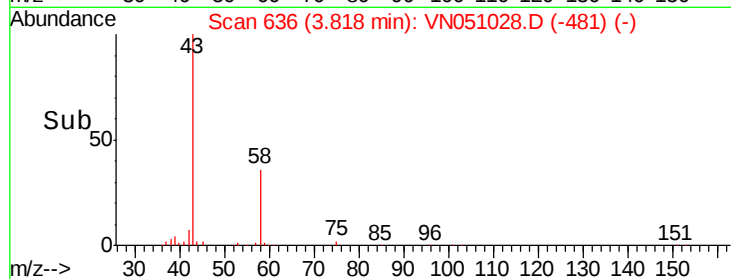
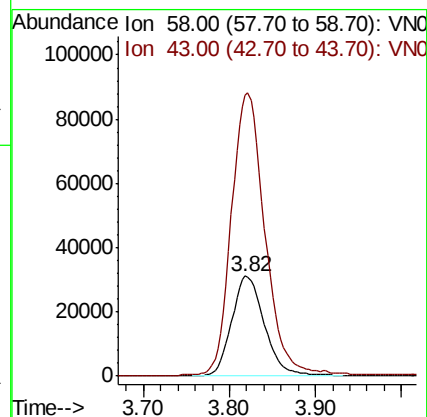
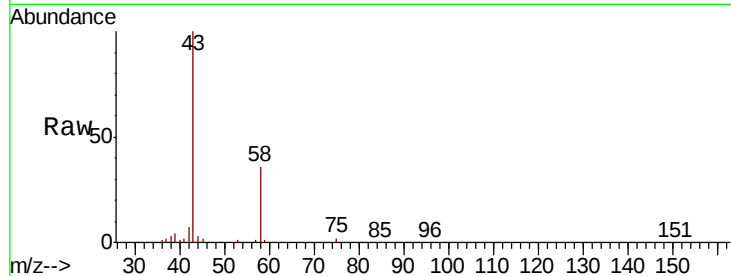
VSTDCCC020

Tot Ion: 58 Resp: 82336

Ion Ratio Lower Upper

58 100

43 280.5 239.4 359.0



#16

Carbon Disulfide

Concen: 16.88 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN051028.D

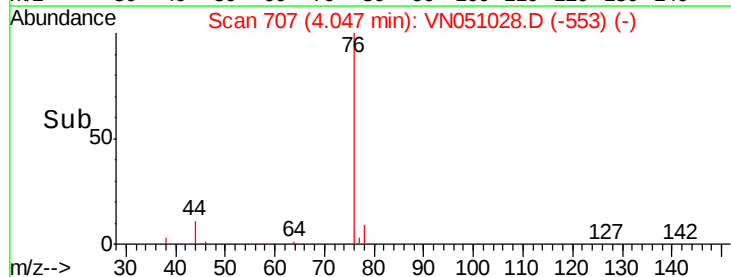
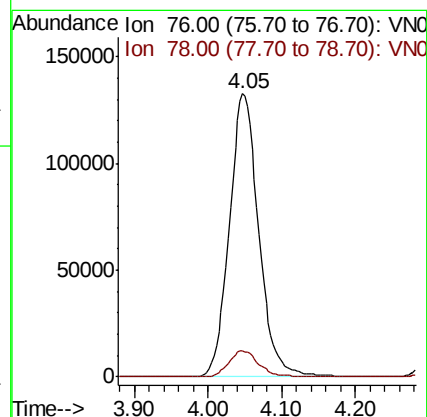
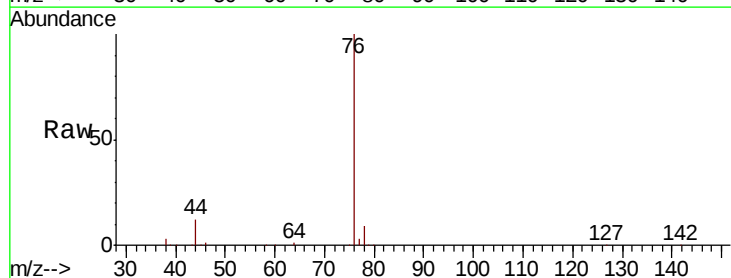
Acq: 6 Sep 2018 12:01

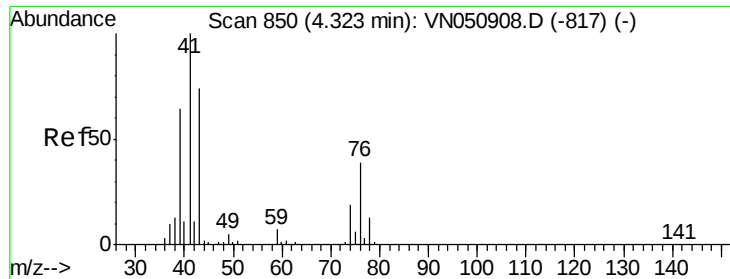
Tgt Ion: 76 Resp: 367610

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

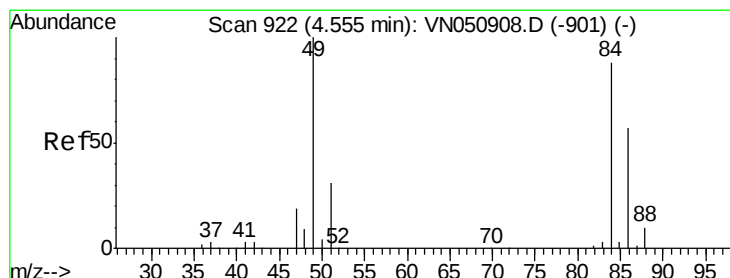
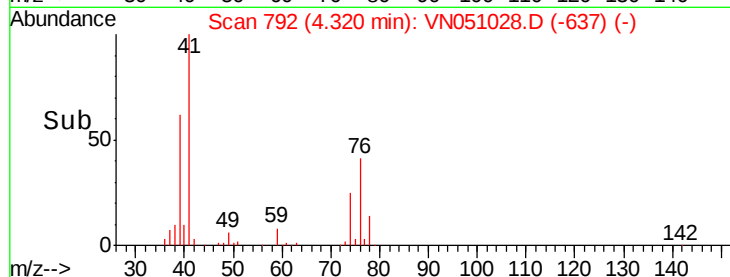
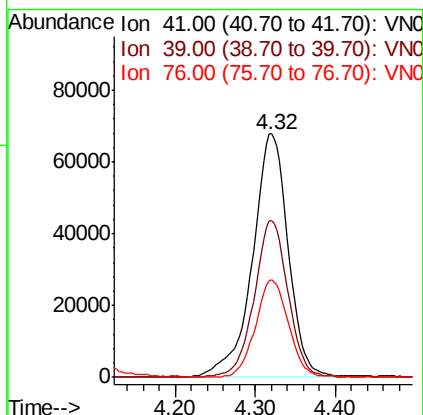
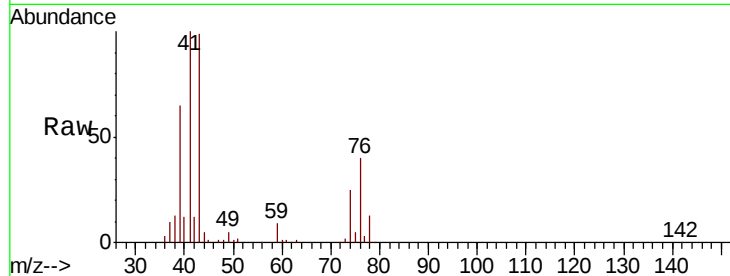




#17
Allvl chloride
Concen: 18.28 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

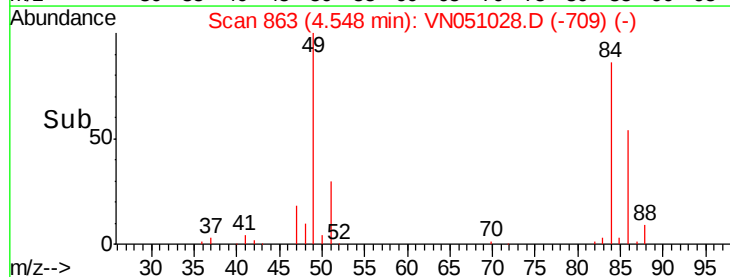
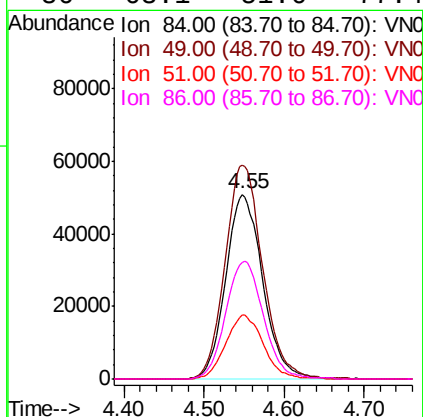
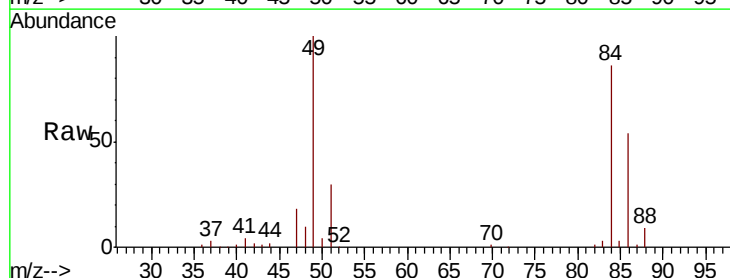
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

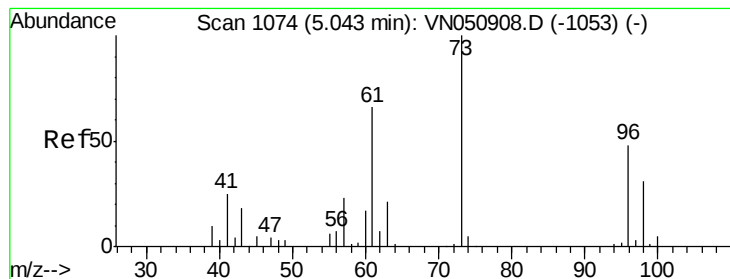
Tot Ion: 41 Resp: 208369
Ion Ratio Lower Upper
41 100
39 64.6 32.2 96.6
76 39.7 19.6 58.7



#18
Methylene Chloride
Concen: 18.85 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 84 Resp: 160255
Ion Ratio Lower Upper
84 100
49 115.5 90.6 135.8
51 34.6 28.4 42.6
86 63.1 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 18.26 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

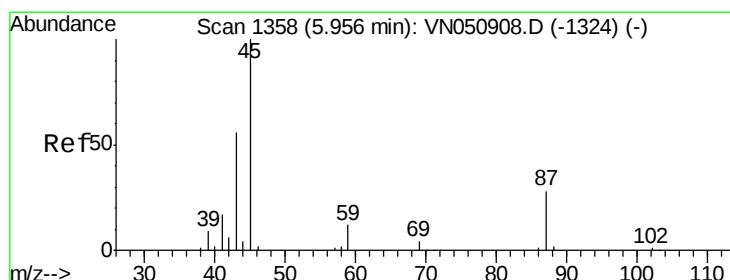
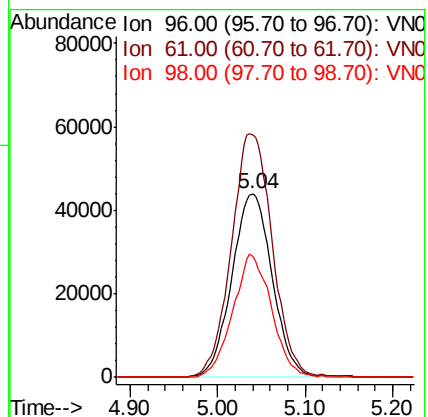
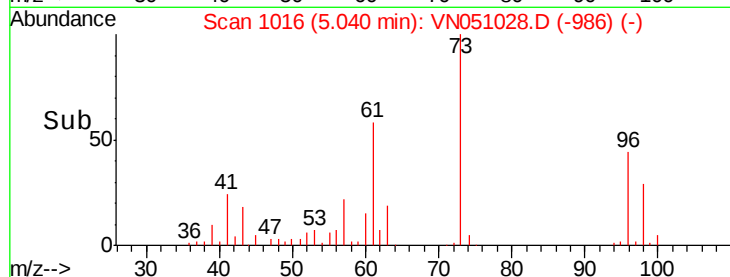
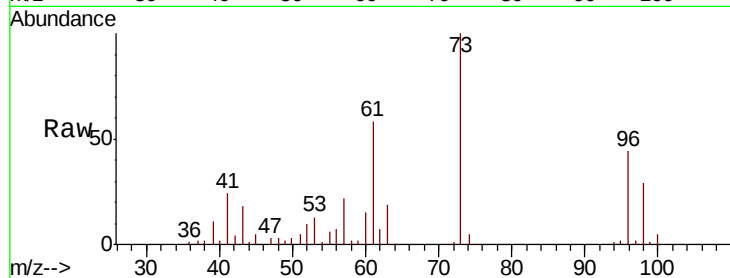
Tot Ion: 96 Resp: 140960

Ion Ratio Lower Upper

96 100

61 131.5 109.5 164.3

98 66.1 51.9 77.9



#20

Diisopropyl ether

Concen: 19.16 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion: 45 Resp: 453276

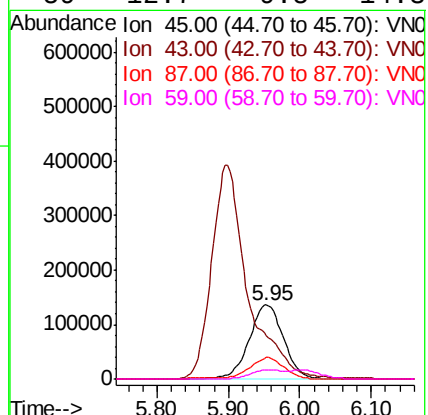
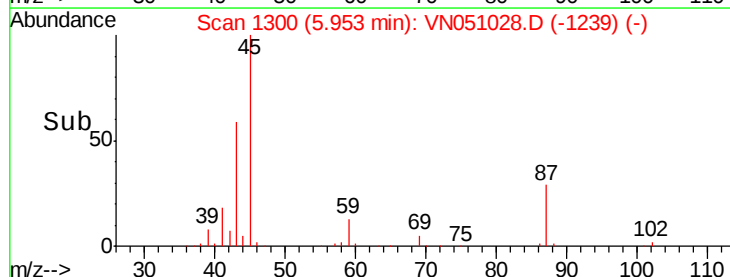
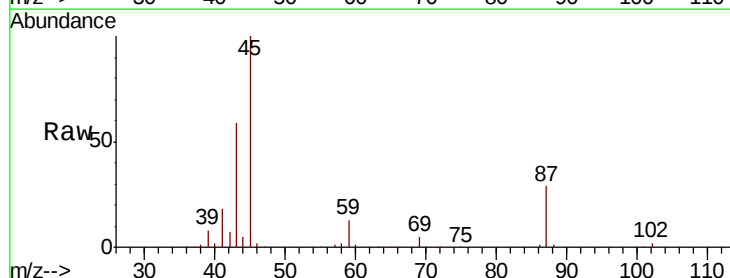
Ion Ratio Lower Upper

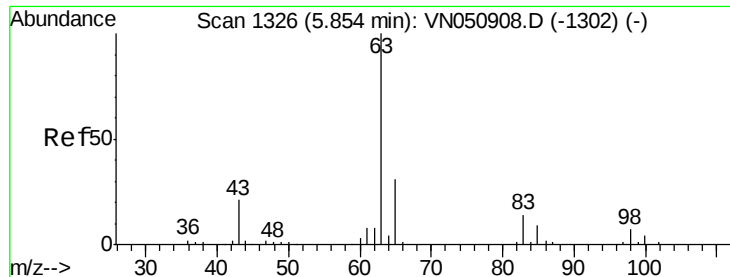
45 100

43 57.3 47.0 70.6

87 28.9 22.8 34.2

59 12.7 9.5 14.3





#21

1,1-Dichloroethane

Concen: 18.70 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

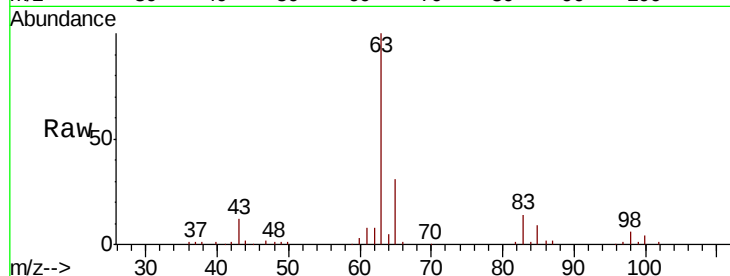
Tot Ion: 63 Resp: 271305

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.0 6.0

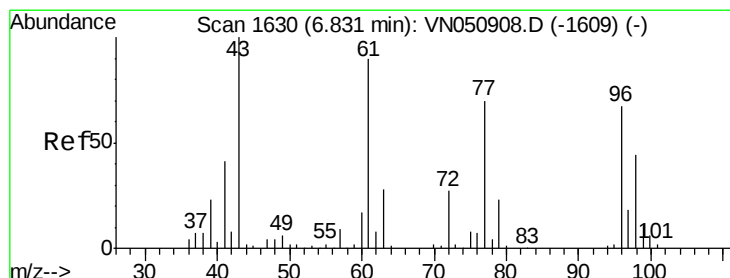
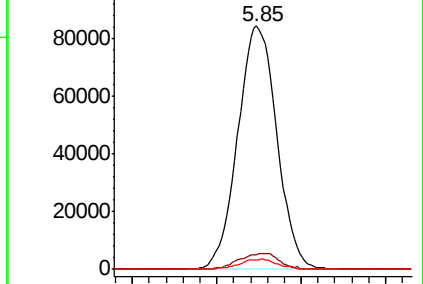
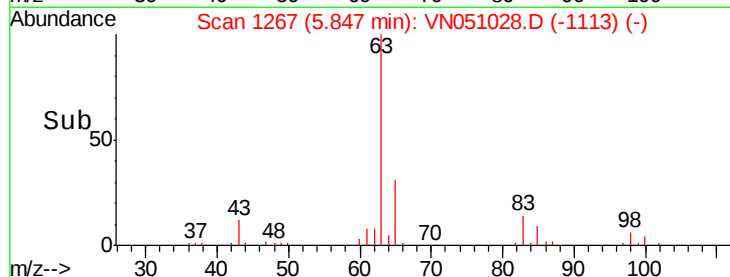


Abundance Ion 63.00 (62.70 to 63.70): VN051028.D (-1267) (-)

Ion 98.00 (97.70 to 98.70): VN051028.D (-1267) (-)

Ion 100.00 (99.70 to 100.70): VN051028.D (-1267) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 18.24 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

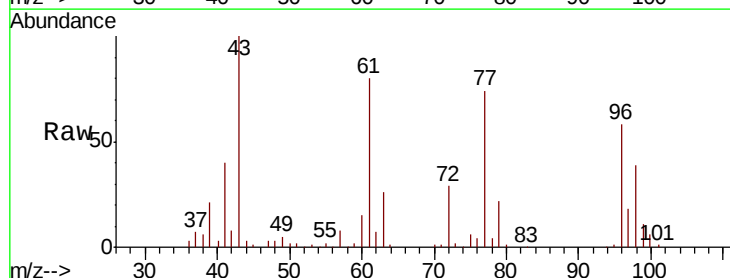
Tgt Ion: 96 Resp: 159039

Ion Ratio Lower Upper

96 100

61 143.0 110.0 165.0

98 66.3 51.7 77.5

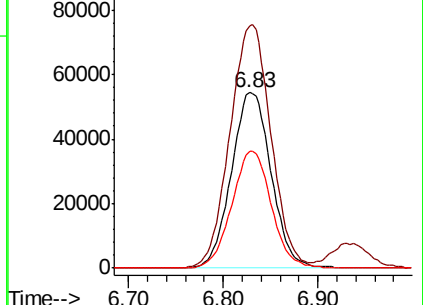
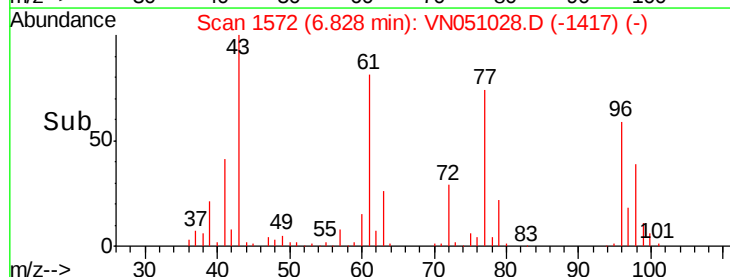


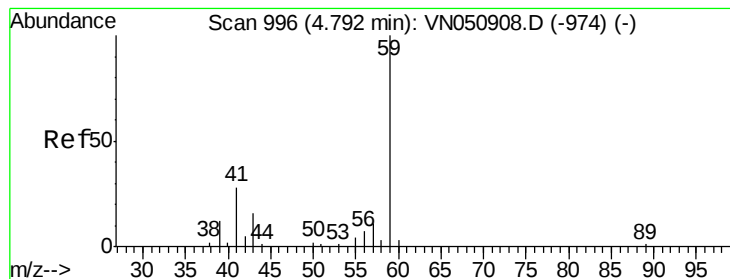
Abundance Ion 96.00 (95.70 to 96.70): VN051028.D (-1572) (-)

Ion 61.00 (60.70 to 61.70): VN051028.D (-1572) (-)

Ion 98.00 (97.70 to 98.70): VN051028.D (-1572) (-)

Time-->





#23

tert-Butyl Alcohol

Concen: 105.71 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

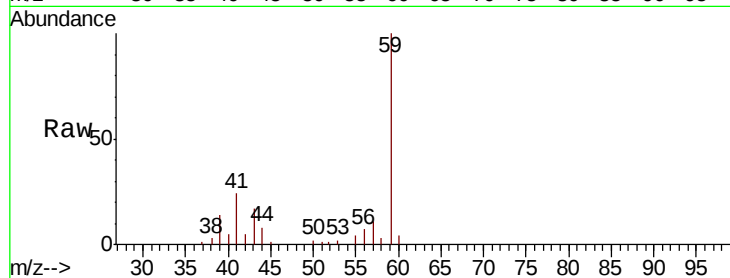
VSTDCCC020

Tot Ion: 59 Resp: 63675

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN051028.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN051028.D (-974) (-)

60000

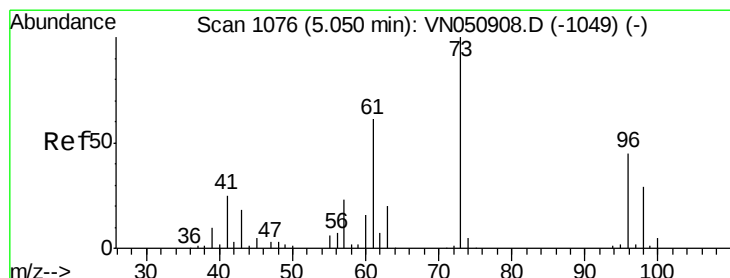
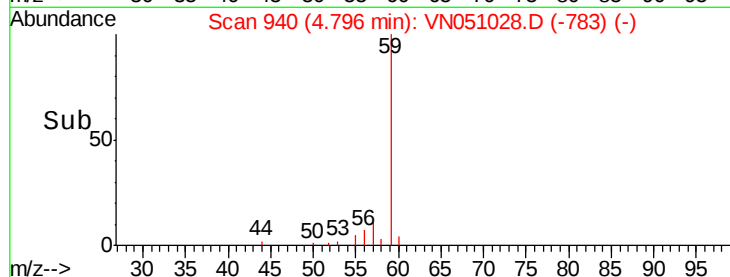
40000

20000

0

4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 19.26 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051028.D

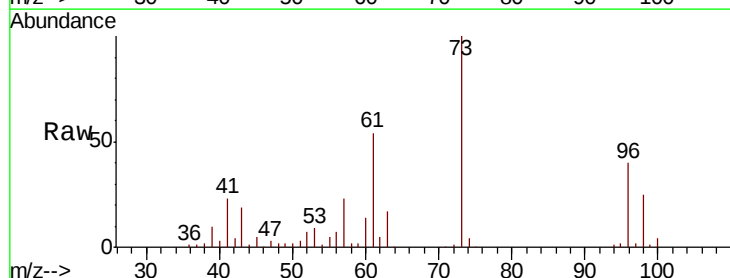
Acq: 6 Sep 2018 12:01

Tgt Ion: 73 Resp: 381652

Ion Ratio Lower Upper

73 100

43 18.8 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN051028.D (-863) (-)

Ion 43.00 (42.70 to 43.70): VN051028.D (-863) (-)

120000

100000

80000

60000

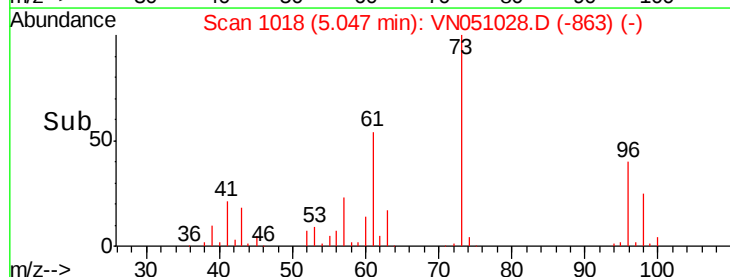
40000

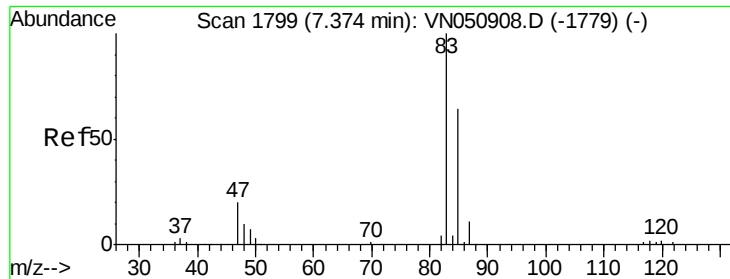
20000

0

4.90 5.00 5.10 5.20

Time-->

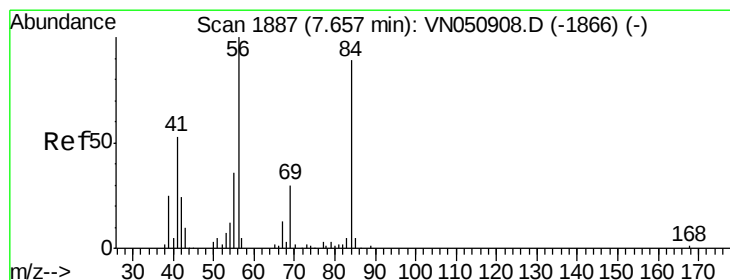
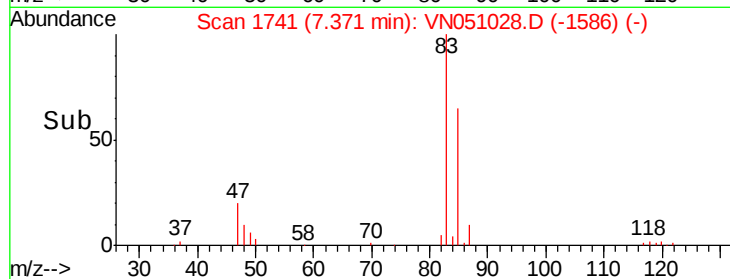
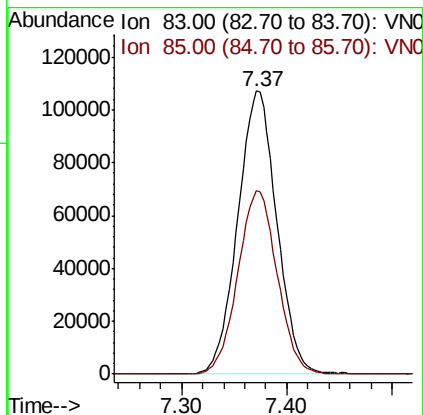
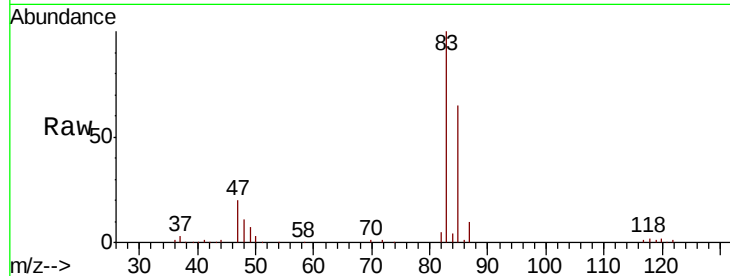




#25
Chloroform
Concen: 19.06 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

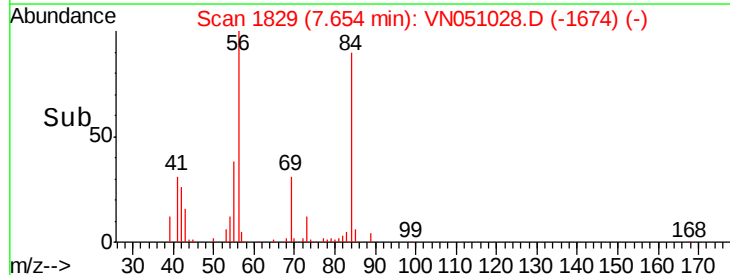
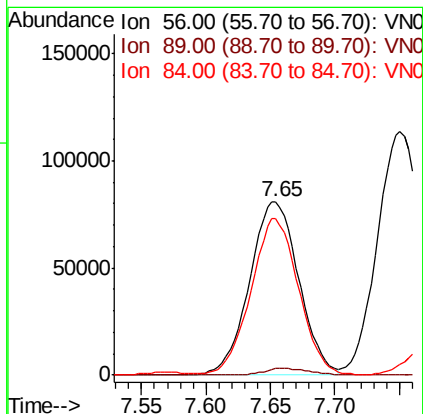
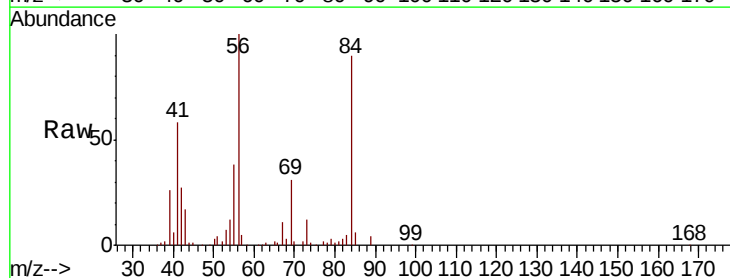
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

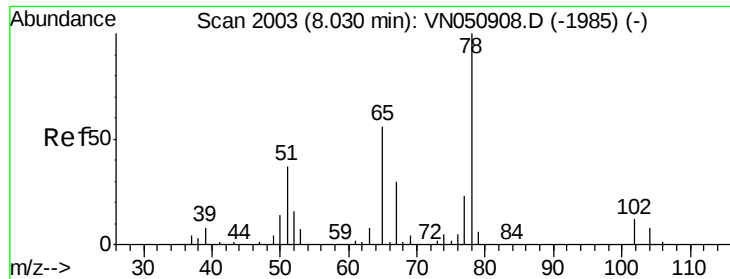
Tot Ion: 83 Resp: 275920
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0



#26
Cyclohexane
Concen: 17.90 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 56 Resp: 215171
Ion Ratio Lower Upper
56 100
89 3.6 0.4 0.6#
84 86.9 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.10 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

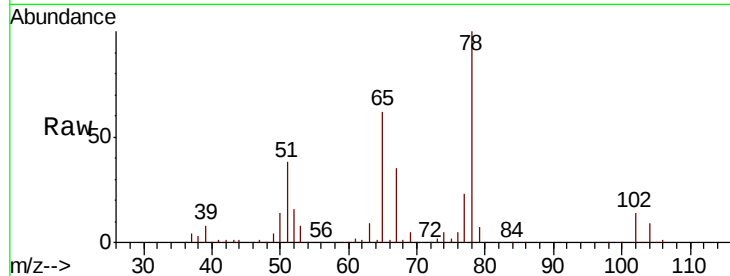
VSTDCCC020

Tot Ion: 65 Resp: 248935

Ion Ratio Lower Upper

65 100

67 55.5 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051028.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN051028.D (-1985) (-)

8.03

120000

100000

80000

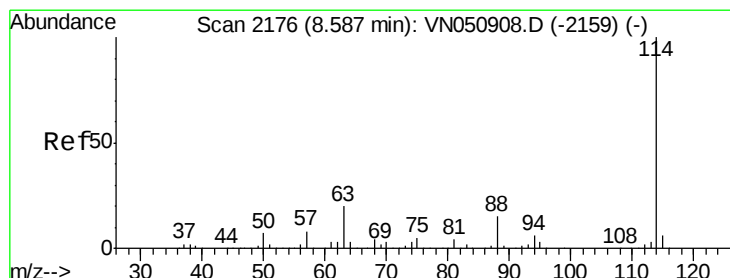
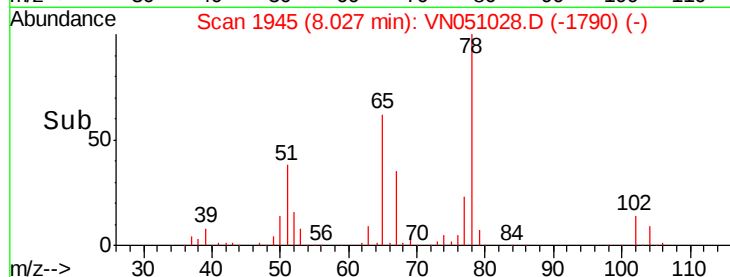
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

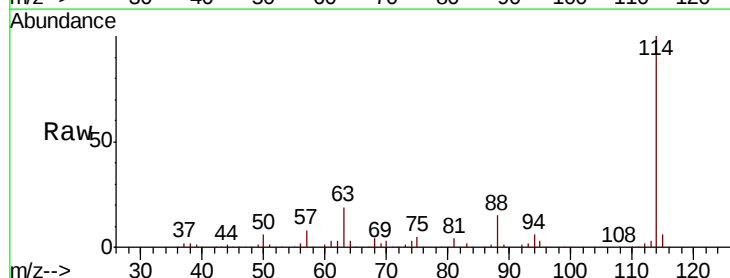
Tgt Ion: 114 Resp: 702633

Ion Ratio Lower Upper

114 100

63 19.5 15.6 23.4

88 15.3 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051028.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN051028.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN051028.D (-2159) (-)

8.59

400000

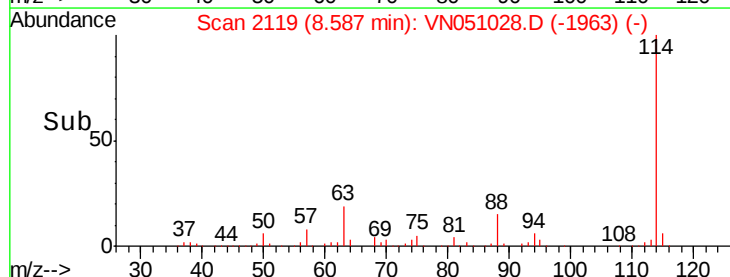
300000

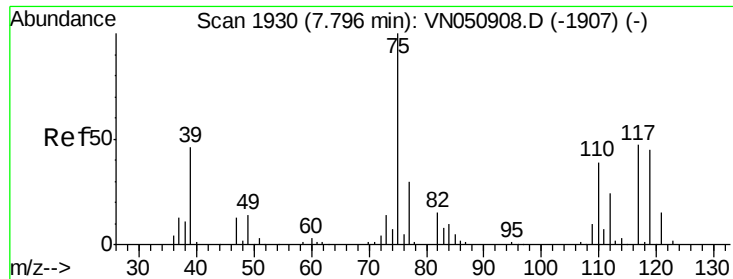
200000

100000

0

Time-->

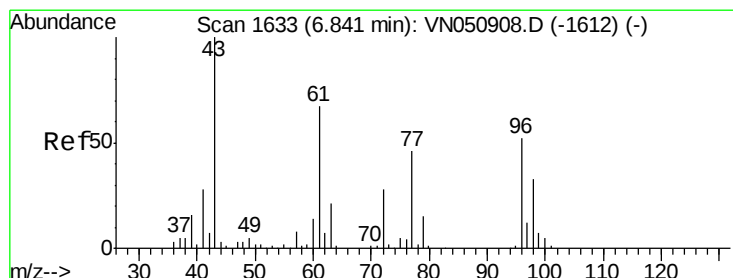
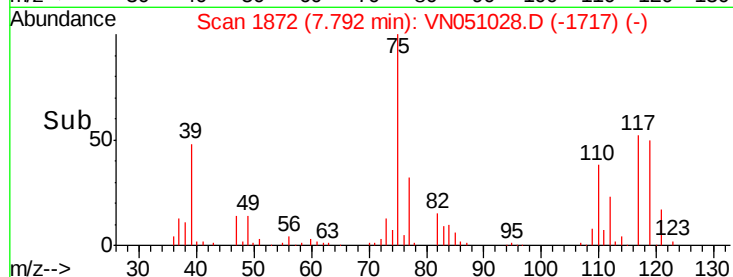
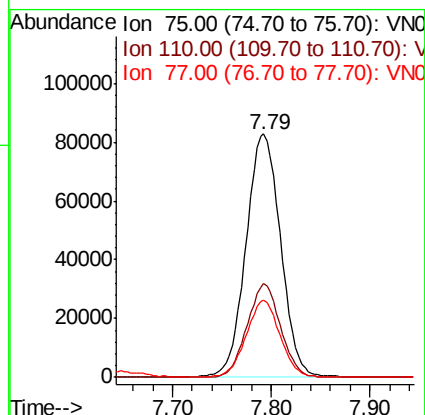
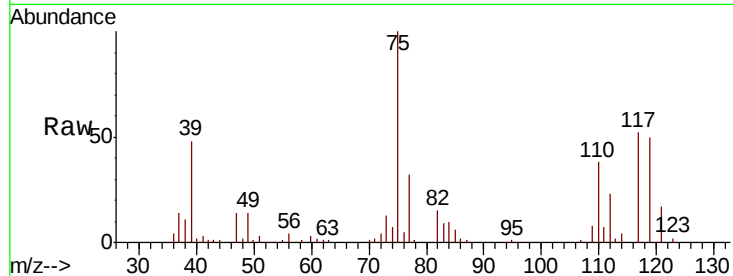




#29
 1,1-Dichloropropene
 Concen: 19.13 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

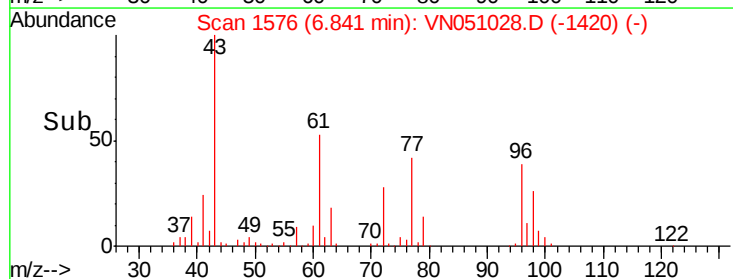
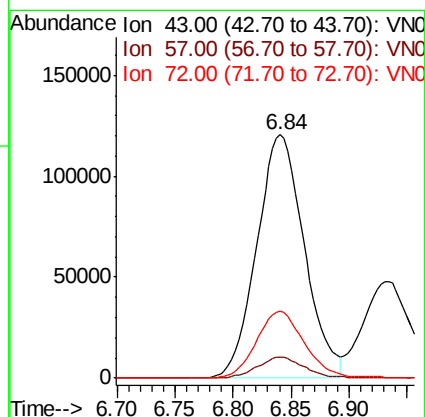
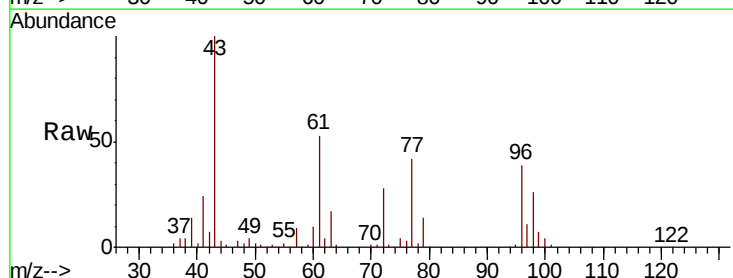
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

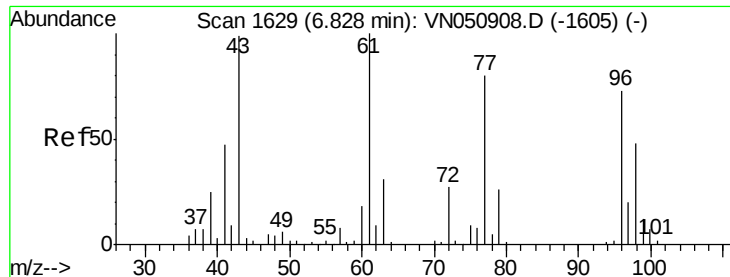
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	75.0
77	31.1	0.0	60.6



#30
 2-Butanone
 Concen: 106.00 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.9	10.3
72	27.8	22.8	34.2





#31

2,2-Dichloropropane

Concen: 21.70 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

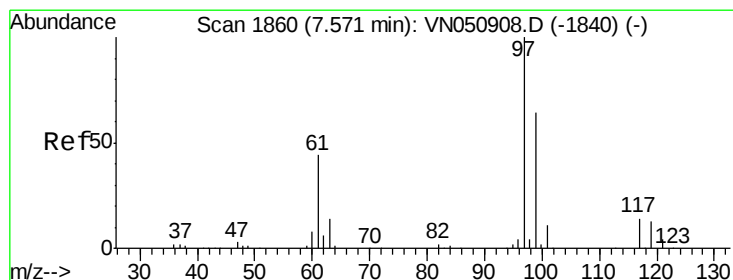
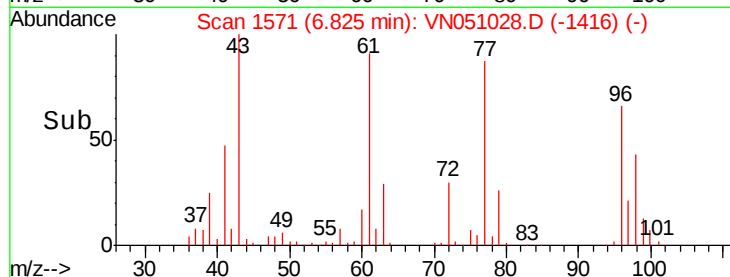
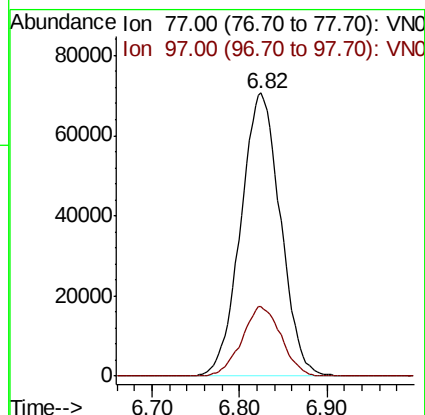
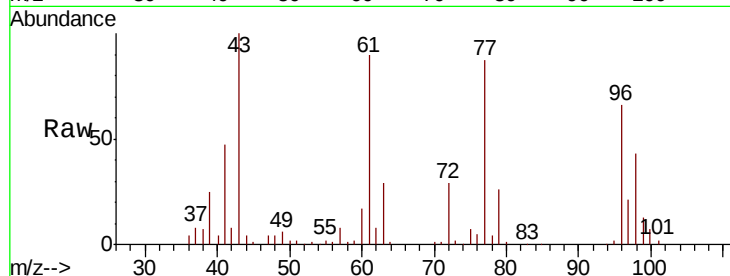
VSTDCCC020

Tot Ion: 77 Resp: 222075

Ion Ratio Lower Upper

77 100

97 24.3 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 19.47 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

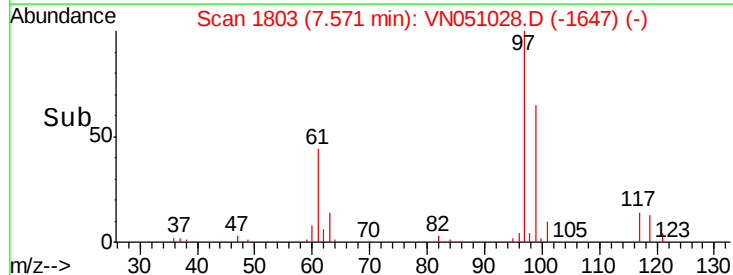
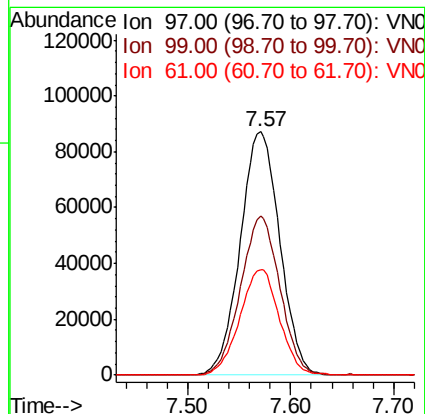
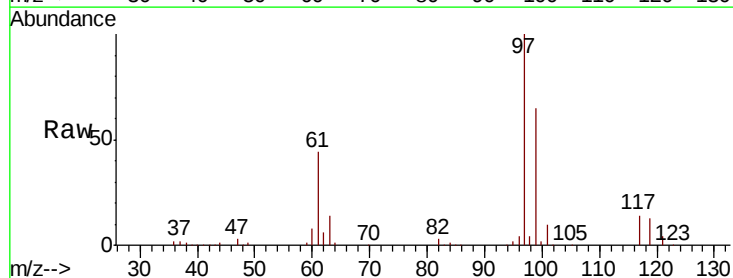
Tgt Ion: 97 Resp: 232293

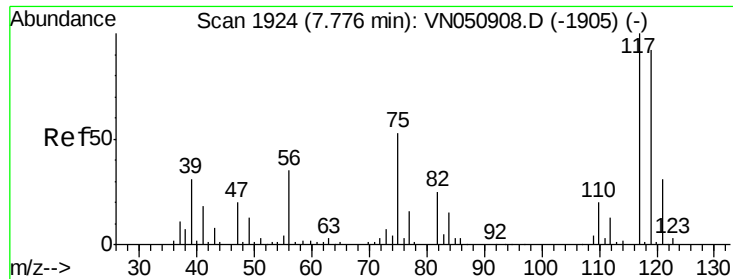
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 43.2 35.0 52.6





#33

Carbon Tetrachloride

Concen: 19.35 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

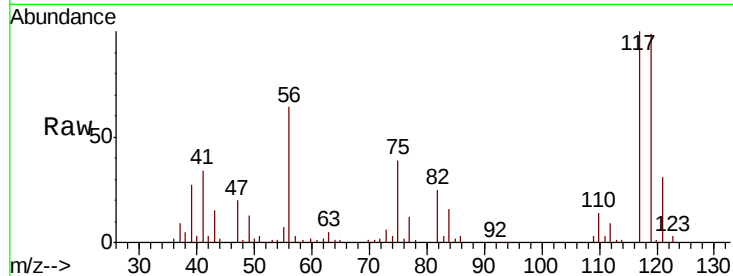
Tot Ion:117 Resp: 207891

Ion Ratio Lower Upper

117 100

119 99.3 73.5 110.3

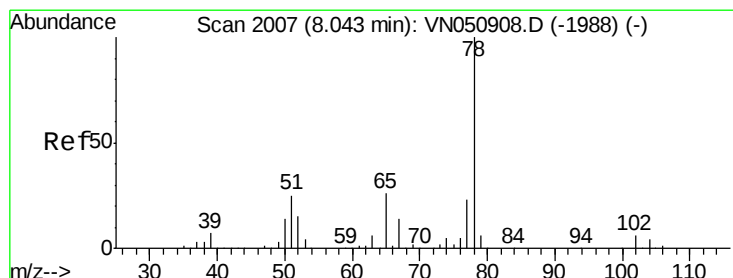
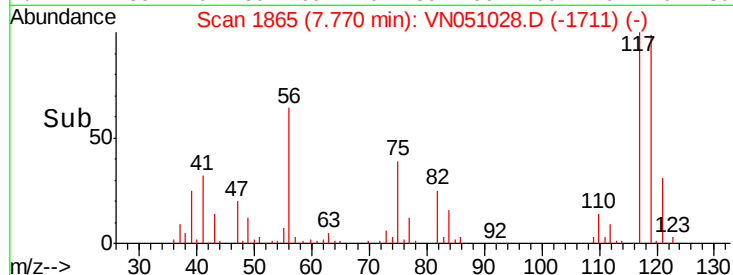
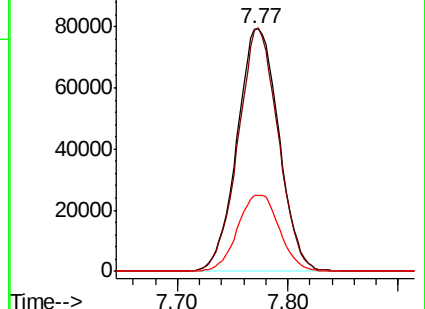
121 31.1 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.18 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

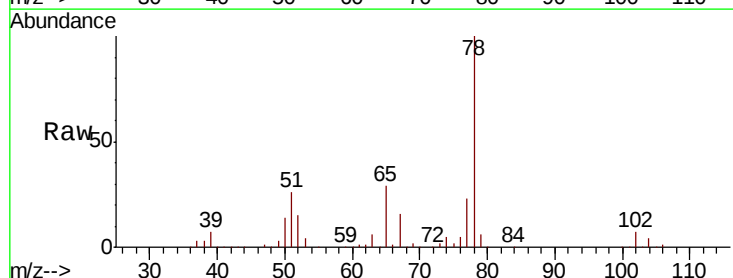
Tgt Ion: 78 Resp: 624132

Ion Ratio Lower Upper

78 100

77 23.4 18.6 28.0

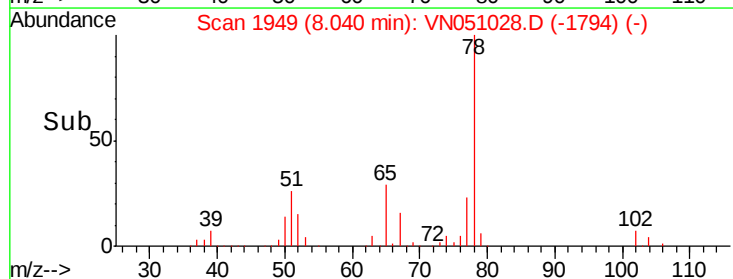
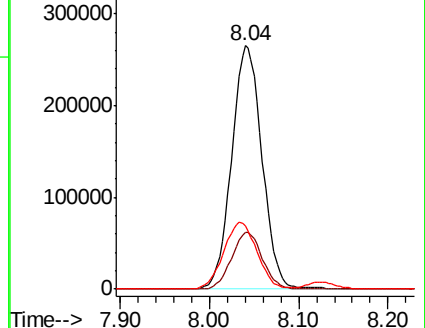
51 25.6 20.0 30.0

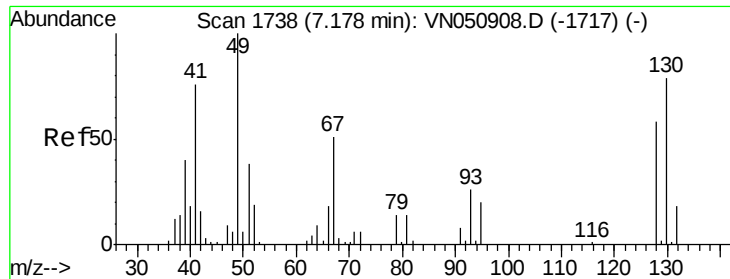


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

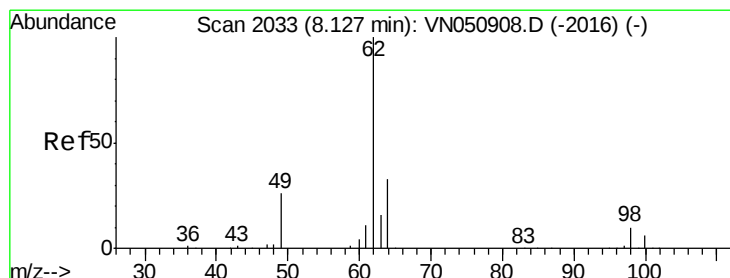
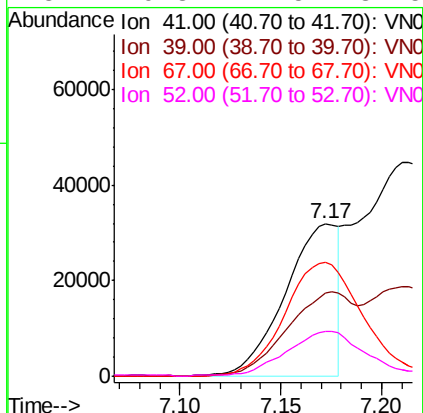
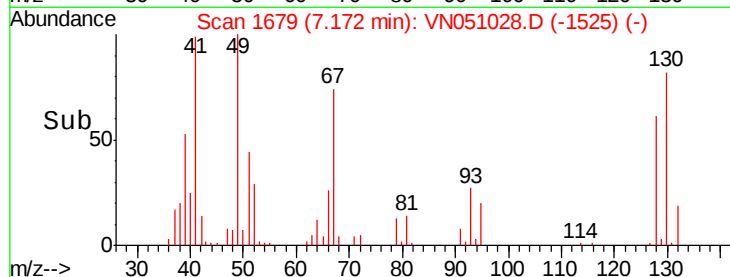
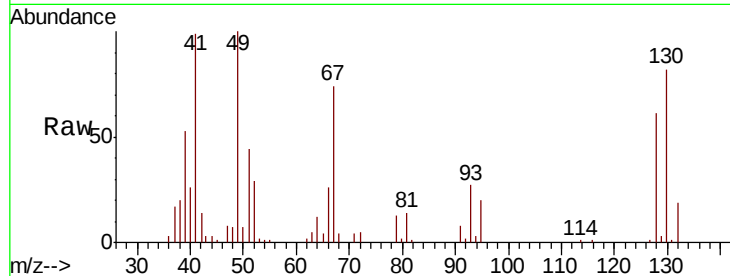




#35
Methacrylonitrile
Concen: 16.53 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

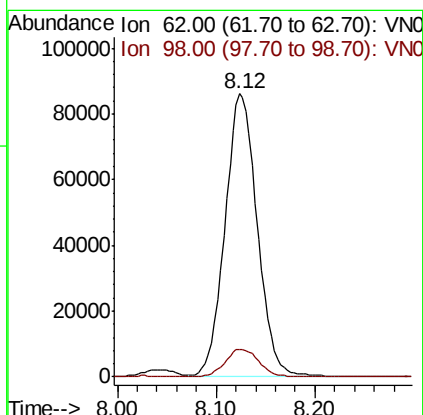
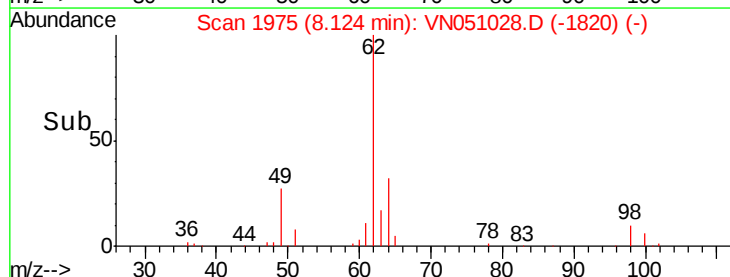
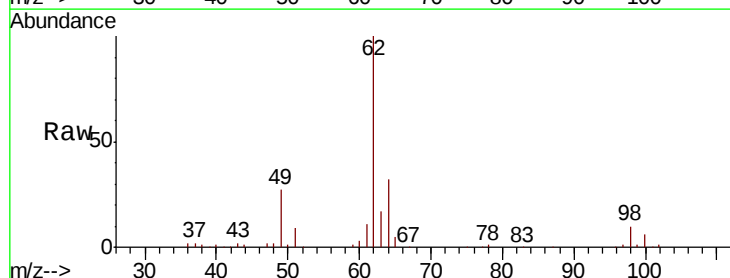
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

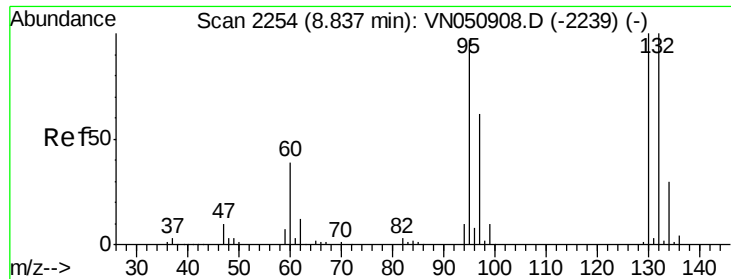
Tot Ion: 41 Resp: 58599
Ion Ratio Lower Upper
41 100
39 54.2 26.2 78.5
67 74.6 33.9 101.6
52 29.3 12.5 37.5



#36
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 62 Resp: 196844
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0

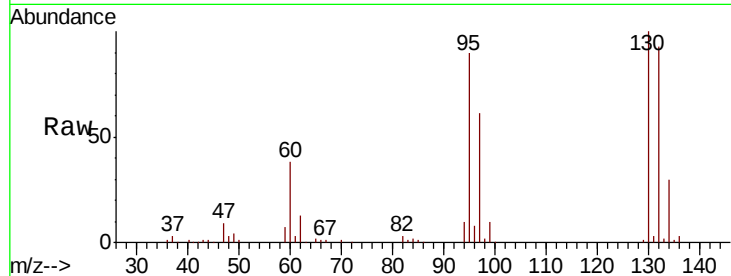




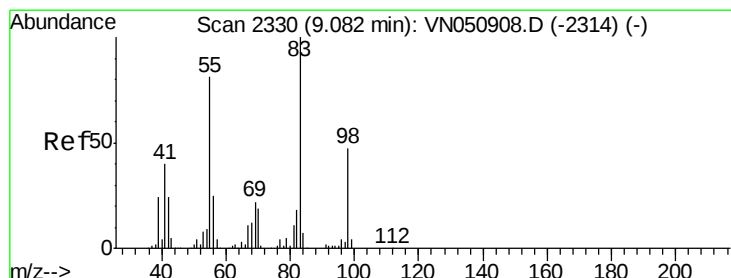
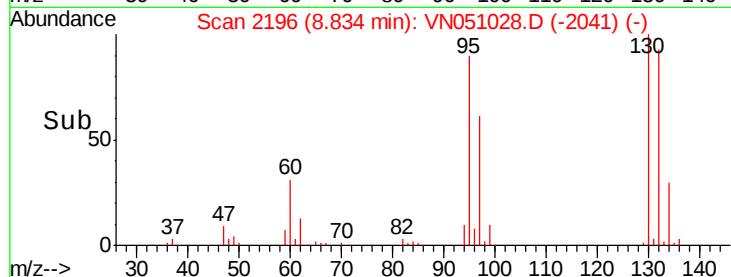
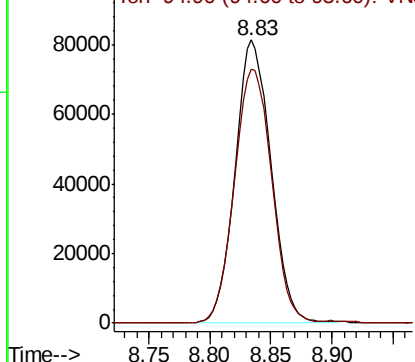
#37
 Trichloroethene
 Concen: 19.48 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 165677
 Ion Ratio Lower Upper
 130 100
 95 89.8 77.4 116.0

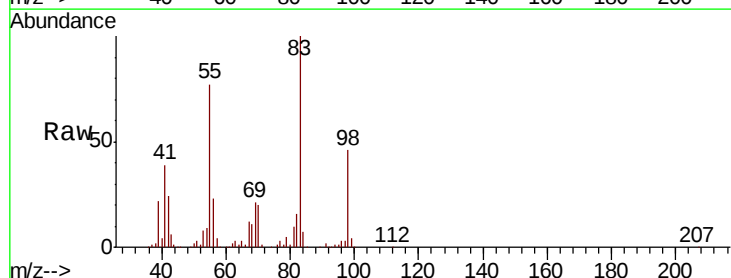


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

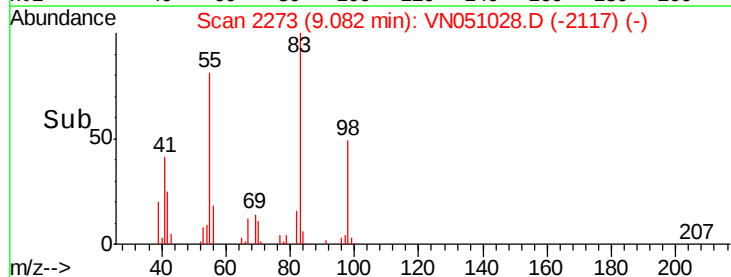
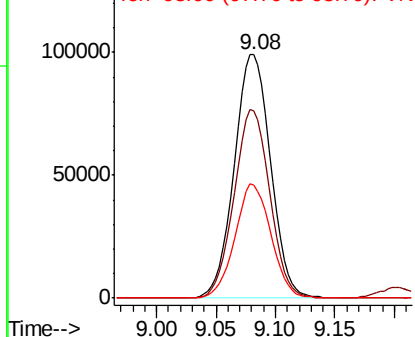


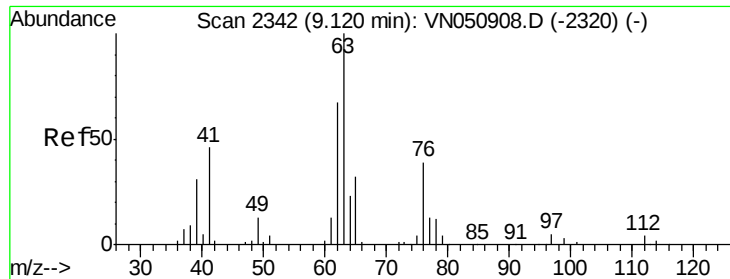
#38
 Methylcyclohexane
 Concen: 18.60 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 83 Resp: 210124
 Ion Ratio Lower Upper
 83 100
 55 76.0 38.9 116.7
 98 46.4 22.9 68.7



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





#39

1,2-Dichloropropane

Concen: 19.62 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

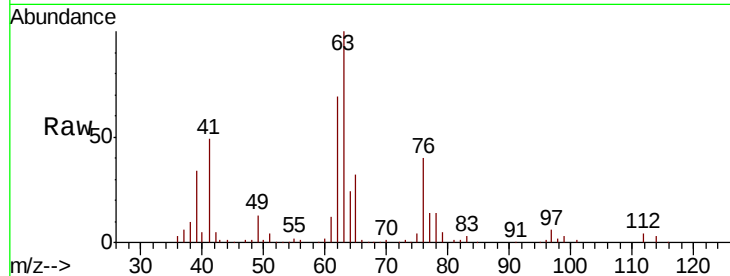
VSTDCCC020

Tot Ion: 63 Resp: 166755

Ion Ratio Lower Upper

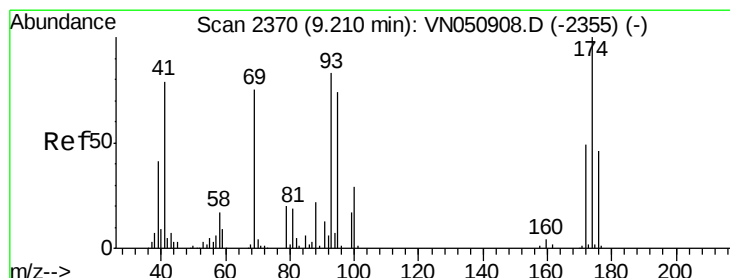
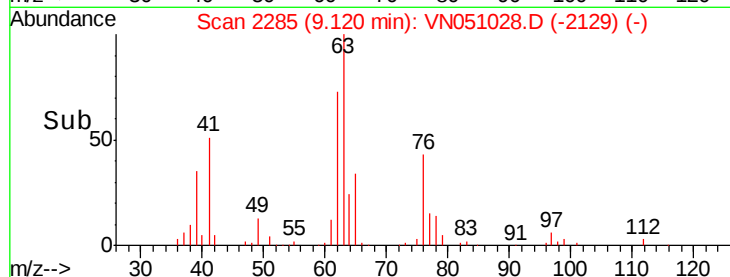
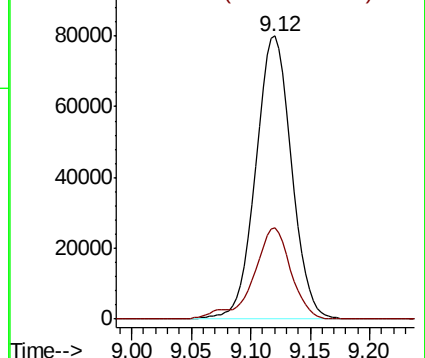
63 100

65 32.3 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.58 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

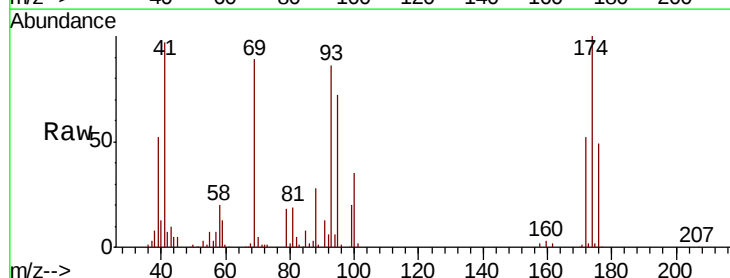
Tgt Ion: 93 Resp: 100245

Ion Ratio Lower Upper

93 100

95 83.4 0.0 173.4

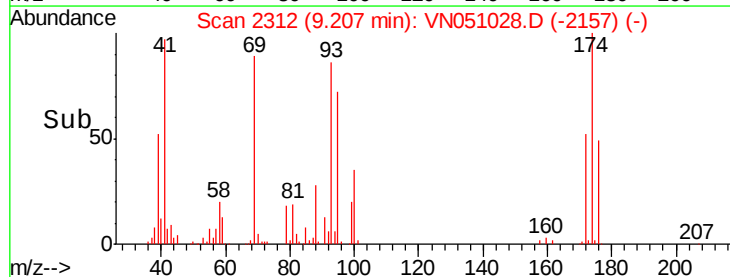
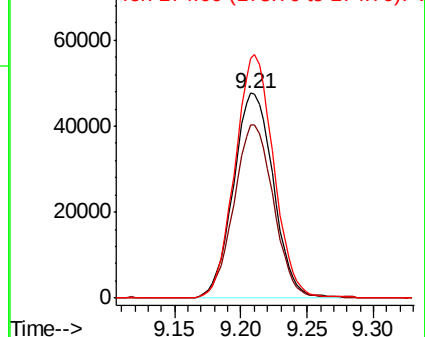
174 114.5 0.0 234.8

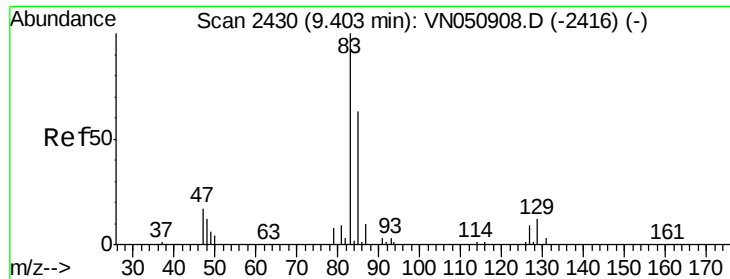


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.31 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

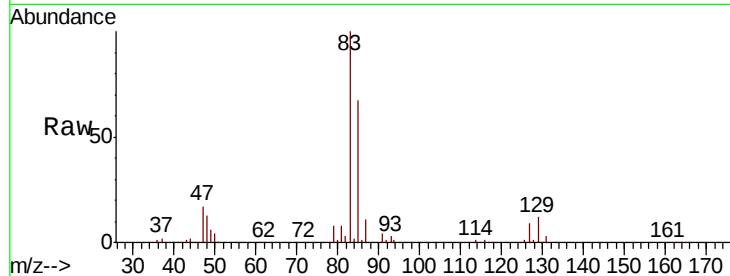
Tot Ion: 83 Resp: 208426

Ion Ratio Lower Upper

83 100

85 67.1 50.6 76.0

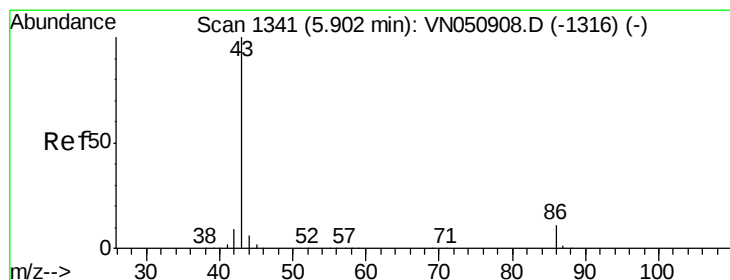
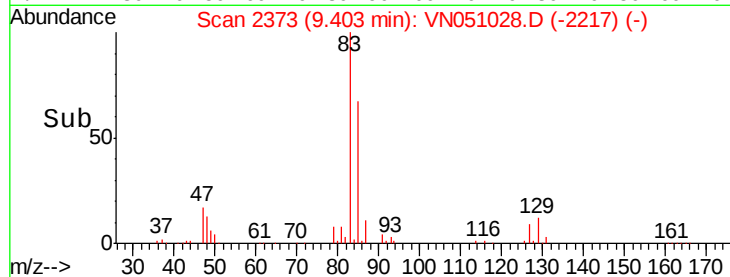
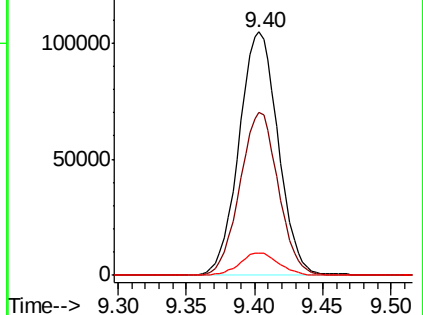
127 9.2 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051028.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051028.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051028.D (-2217) (-)



#42

Vinyl Acetate

Concen: 92.28 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051028.D

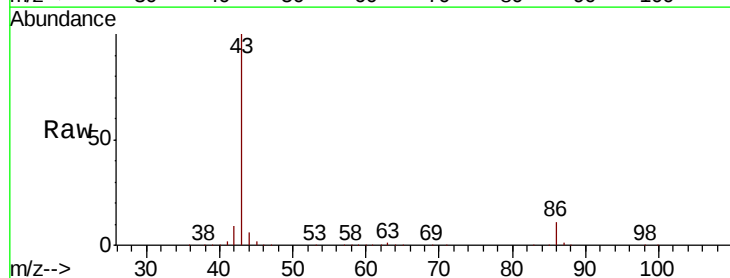
Acq: 6 Sep 2018 12:01

Tgt Ion: 43 Resp: 1375434

Ion Ratio Lower Upper

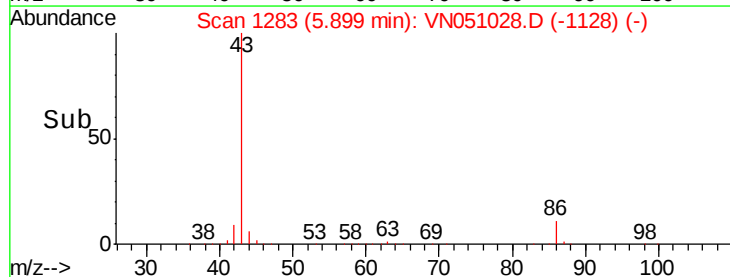
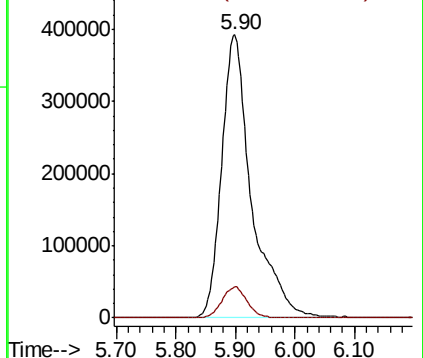
43 100

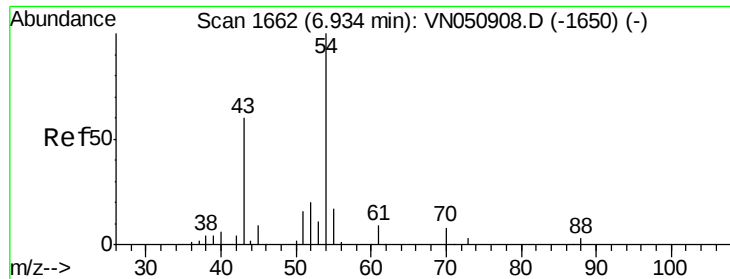
86 9.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051028.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051028.D (-1128) (-)

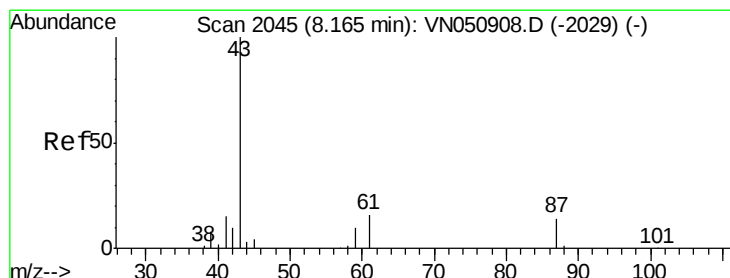
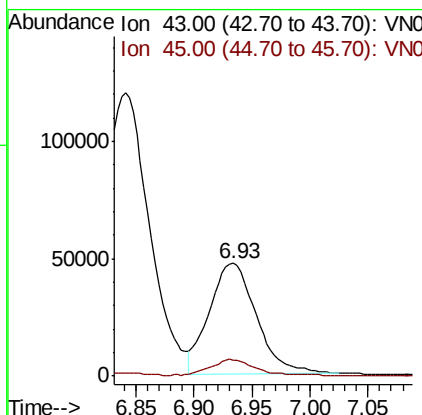
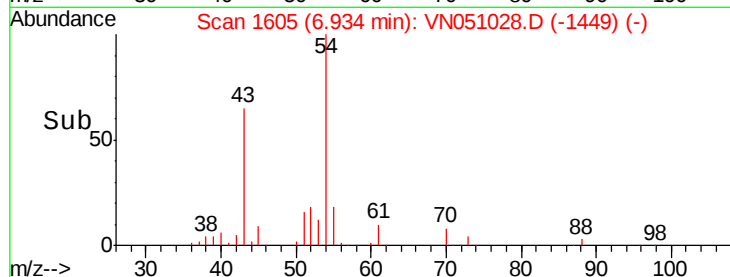
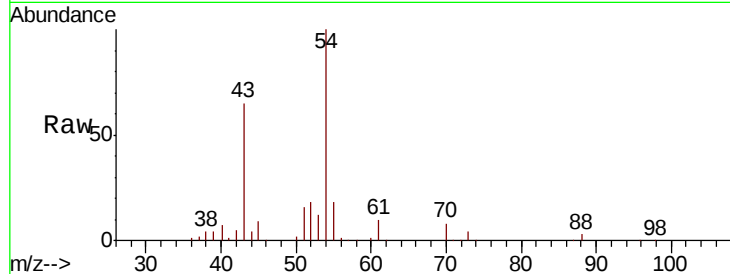




#43
Ethyl Acetate
Concen: 20.03 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

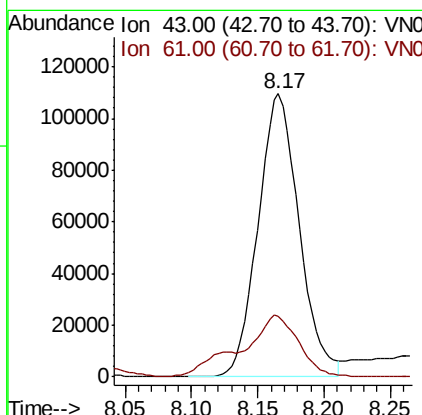
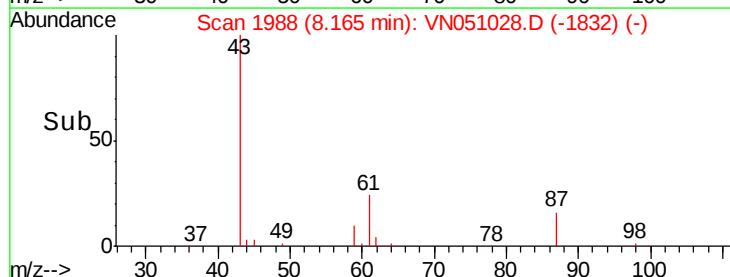
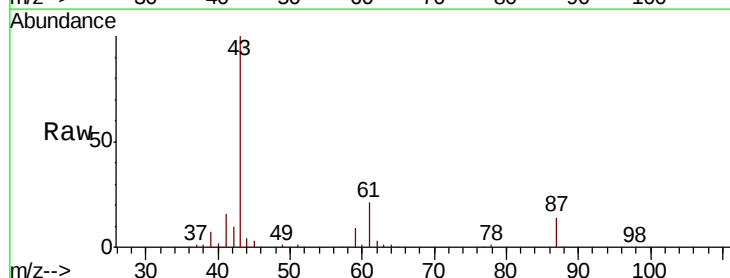
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

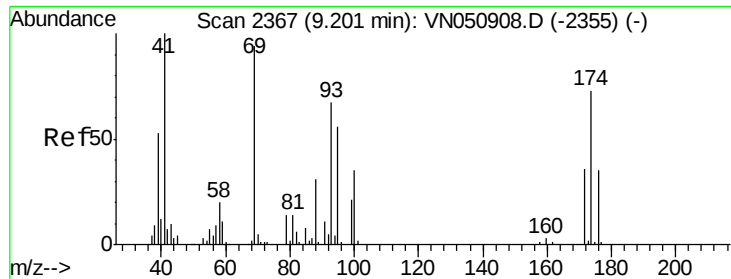
Tot Ion: 43 Resp: 132769
Ion Ratio Lower Upper
43 100
45 12.7 10.2 15.2



#44
Isopropyl Acetate
Concen: 20.15 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 43 Resp: 235686
Ion Ratio Lower Upper
43 100
61 21.6 16.3 24.5

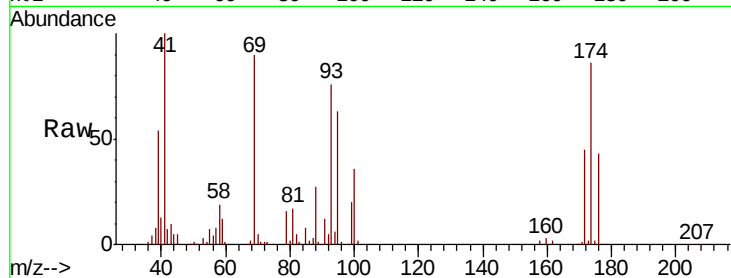




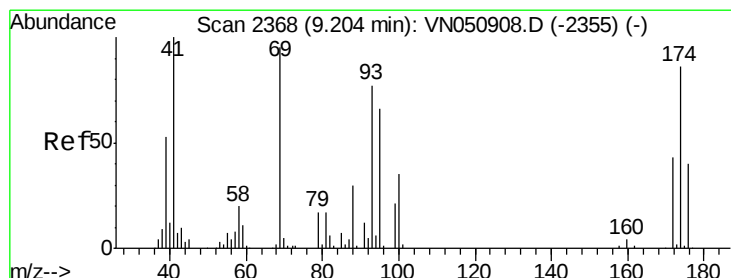
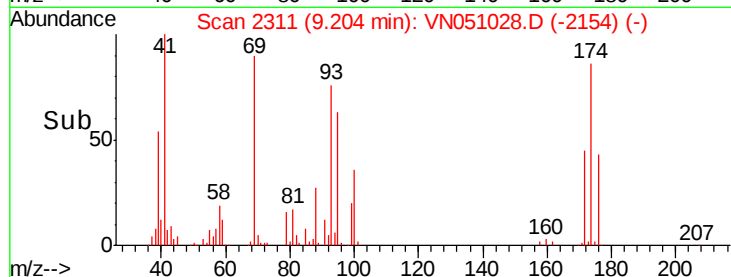
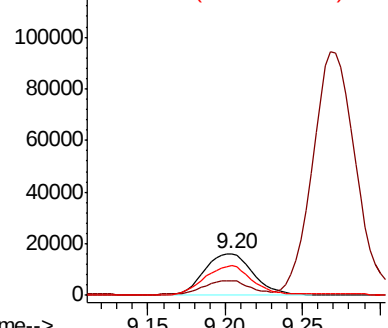
#45
 1,4-Dioxane
 Concen: 408.54 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 35500
 Ion Ratio Lower Upper
 88 100
 43 31.6 23.5 35.3
 58 70.0 55.2 82.8

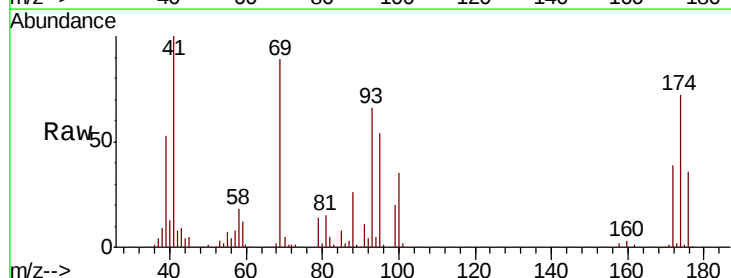


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

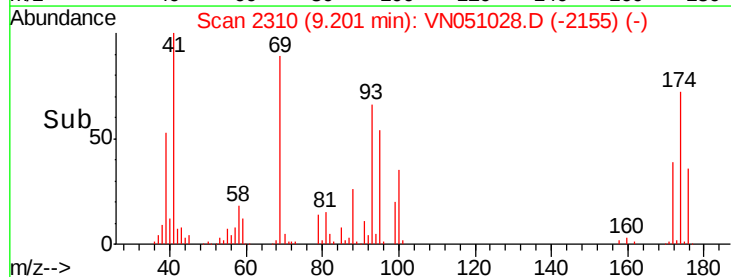
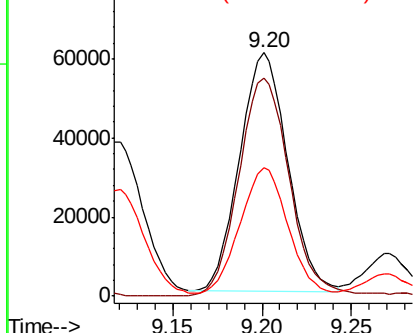


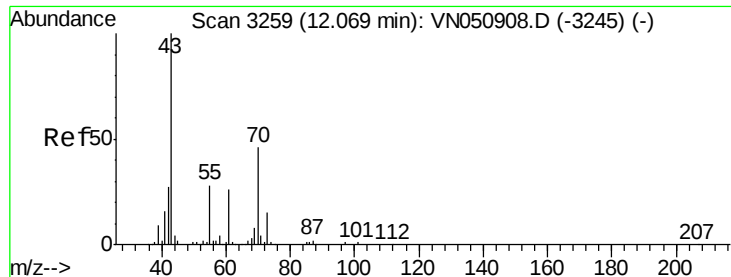
#46
 Methyl methacrylate
 Concen: 19.52 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 41 Resp: 114366
 Ion Ratio Lower Upper
 41 100
 69 90.9 47.4 142.2
 39 52.6 26.6 79.7



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

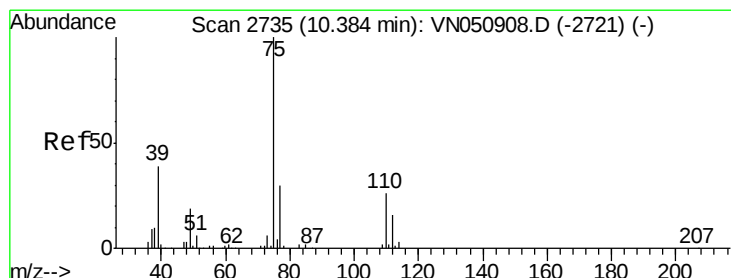
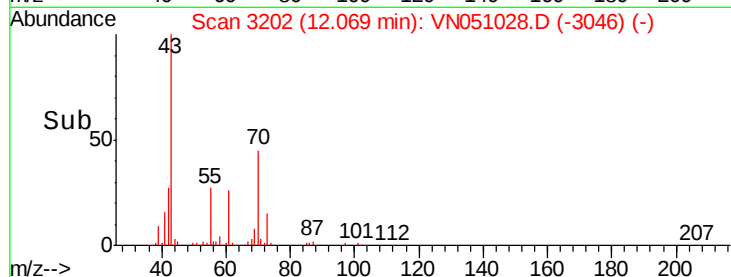
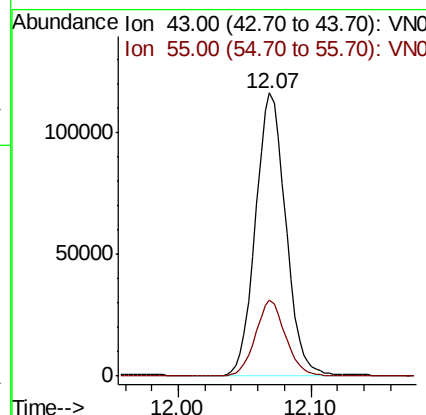
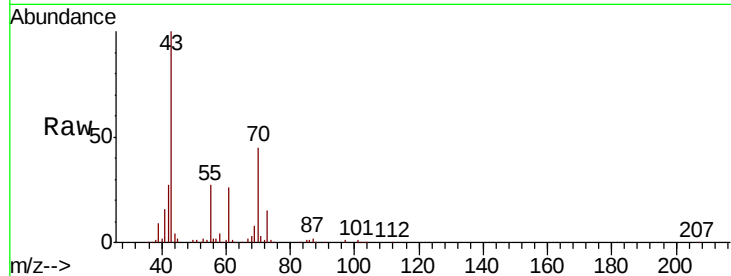




#47
n-amyl Acetate
Concen: 19.49 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

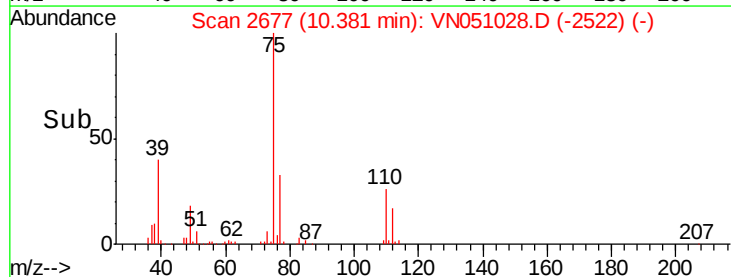
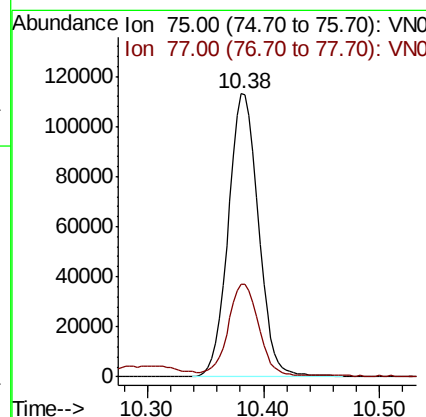
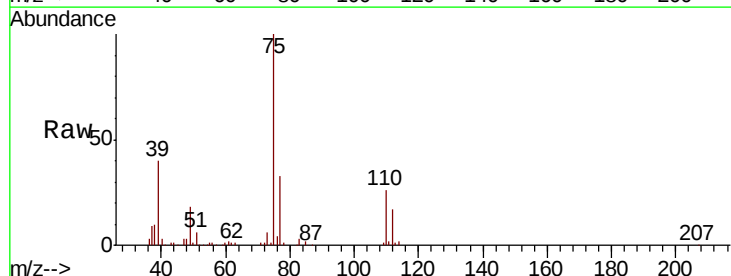
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

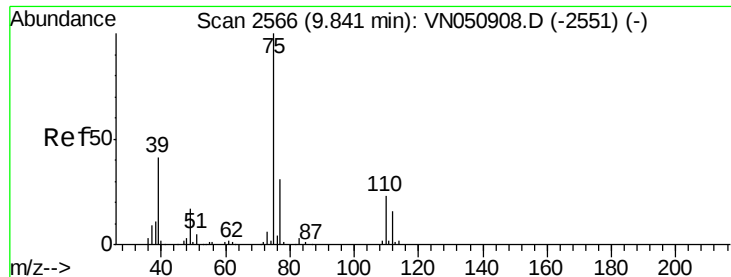
Tot Ion: 43 Resp: 183324
Ion Ratio Lower Upper
43 100
55 26.9 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 19.31 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 75 Resp: 204307
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

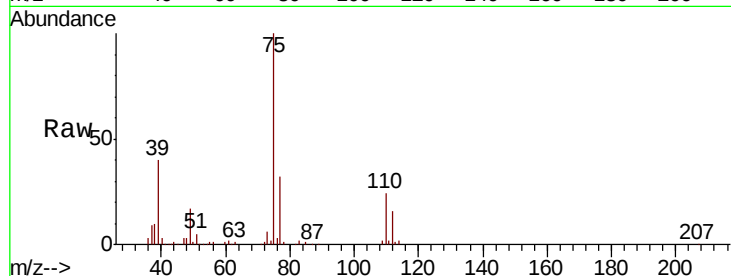
Tot Ion: 75 Resp: 237109

Ion Ratio Lower Upper

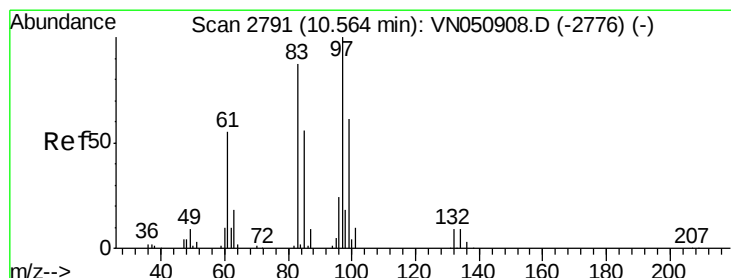
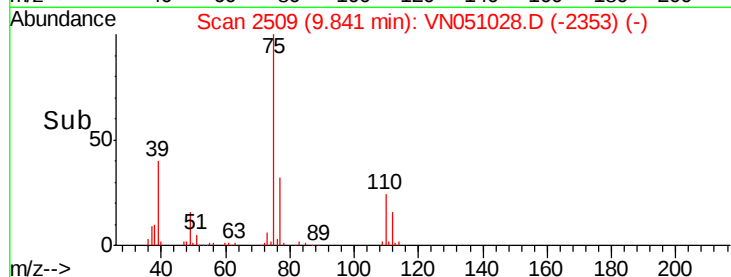
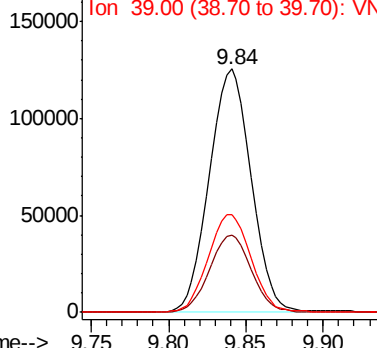
75 100

77 31.7 25.0 37.4

39 40.3 32.9 49.3



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.85 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion: 97 Resp: 147687

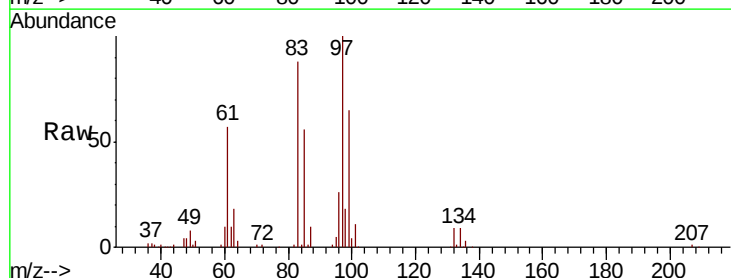
Ion Ratio Lower Upper

97 100

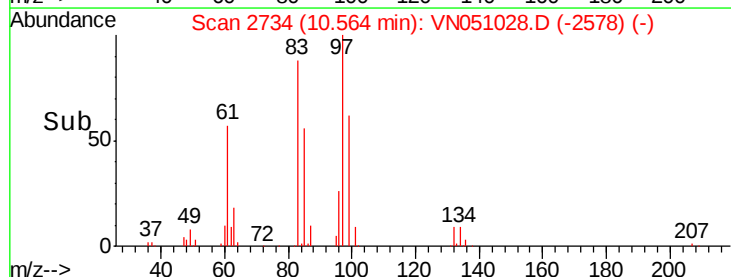
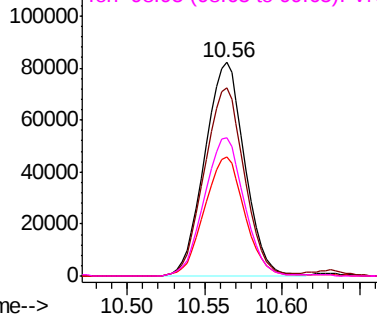
83 88.1 69.8 104.6

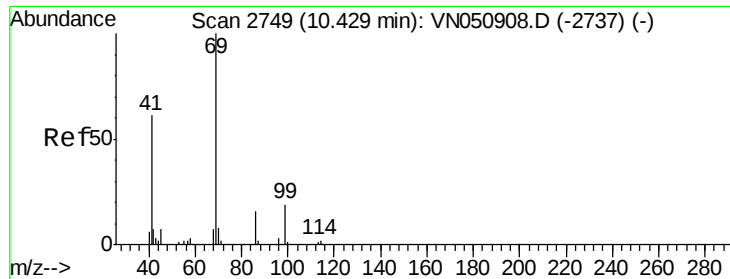
85 56.0 45.0 67.6

99 64.9 49.1 73.7



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.17 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

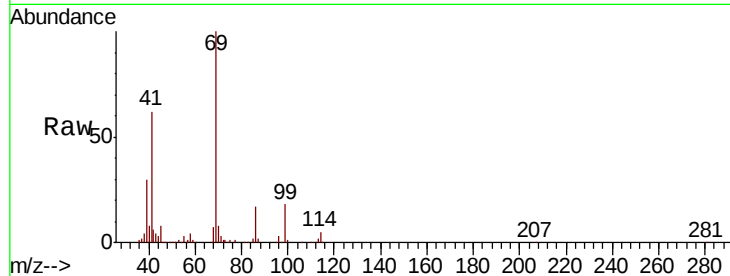
Tot Ion: 69 Resp: 174501

Ion Ratio Lower Upper

69 100

41 61.5 30.5 91.5

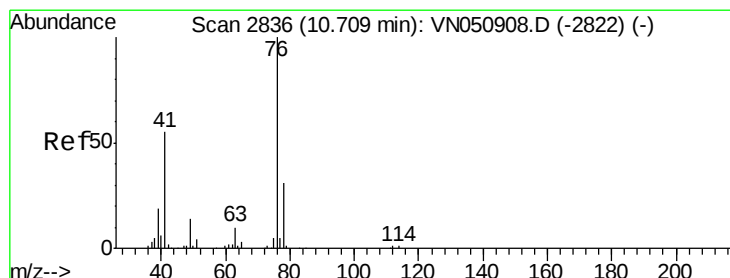
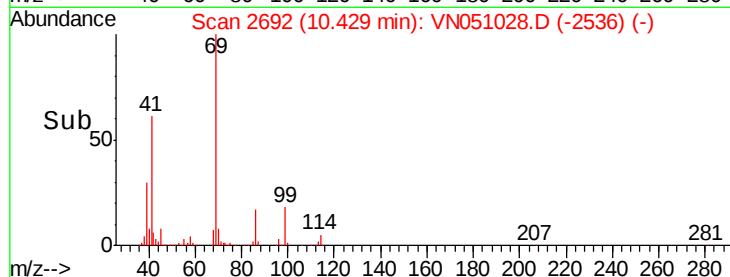
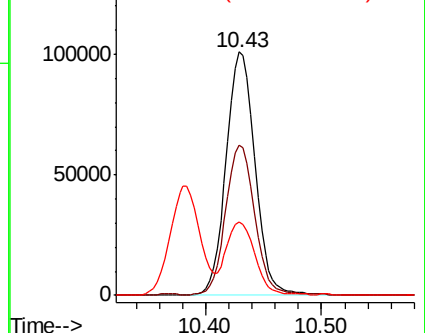
39 29.8 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN051028.D (-2692) (-)

Ion 41.00 (40.70 to 41.70): VN051028.D (-2692) (-)

Ion 39.00 (38.70 to 39.70): VN051028.D (-2692) (-)



#52

1,3-Dichloropropane

Concen: 19.63 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051028.D

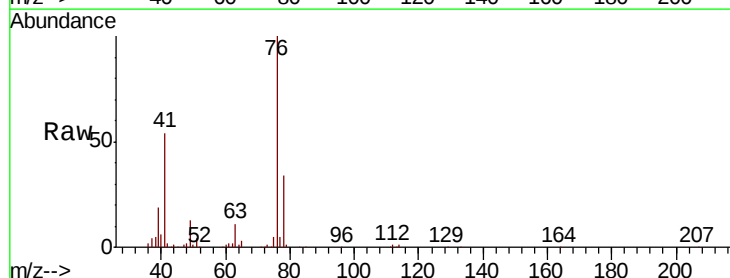
Acq: 6 Sep 2018 12:01

Tgt Ion: 76 Resp: 241851

Ion Ratio Lower Upper

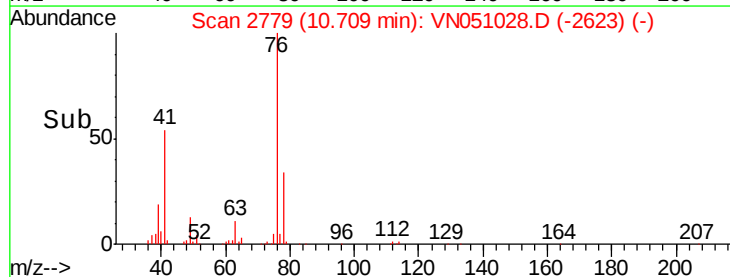
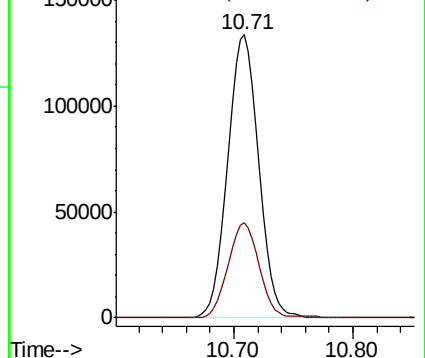
76 100

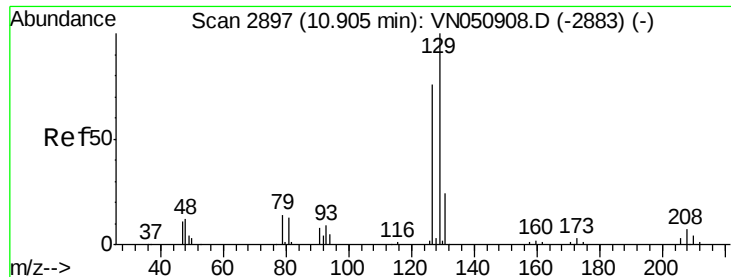
78 33.6 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN051028.D (-2779) (-)

Ion 78.00 (77.70 to 78.70): VN051028.D (-2779) (-)

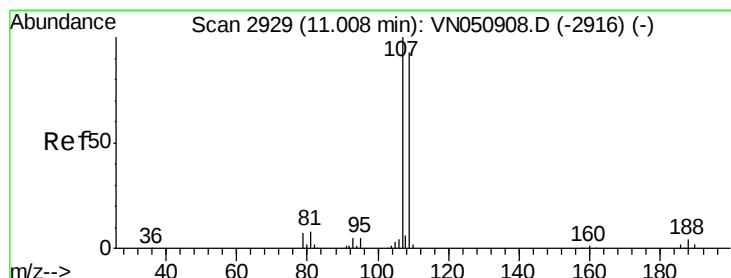
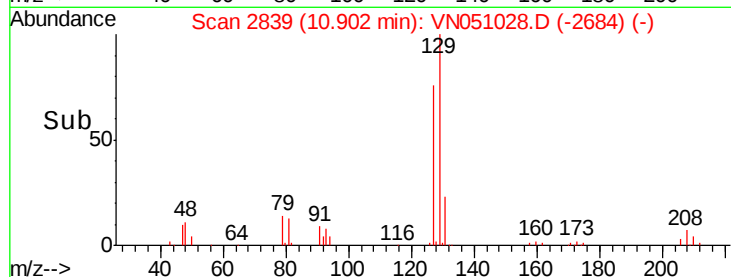
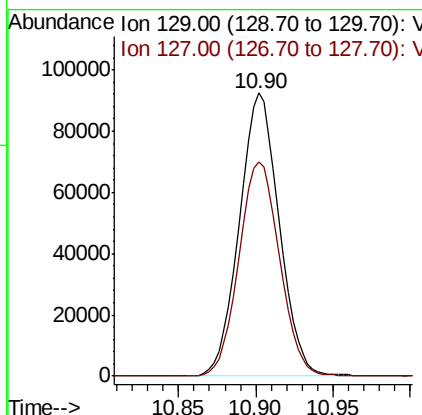
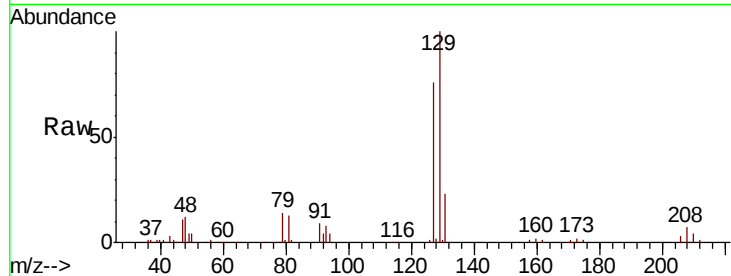




#53
 Dibromochloromethane
 Concen: 19.55 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

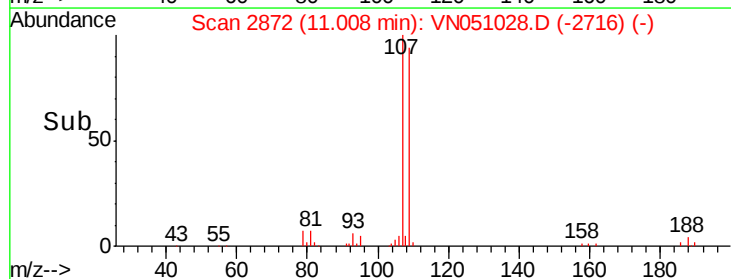
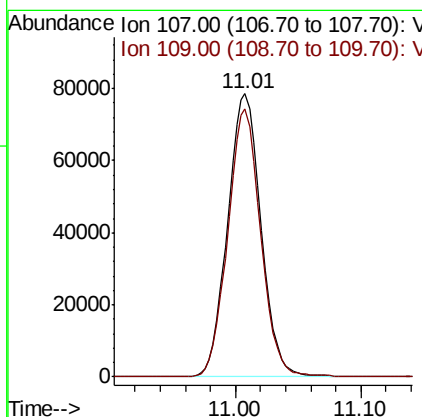
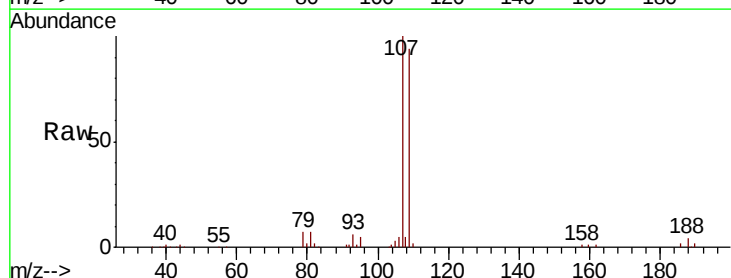
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

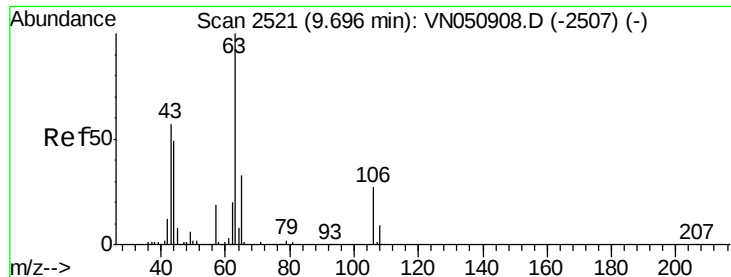
Tot Ion:129 Resp: 165402
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 19.70 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:107 Resp: 144896
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.4 111.6

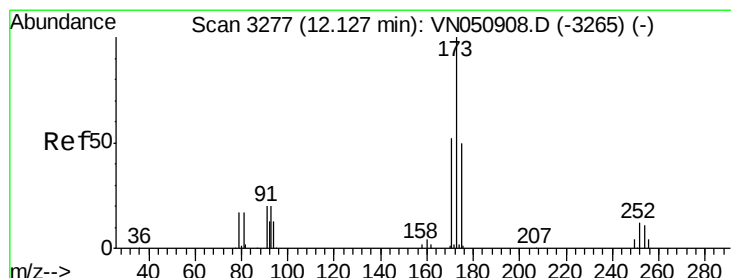
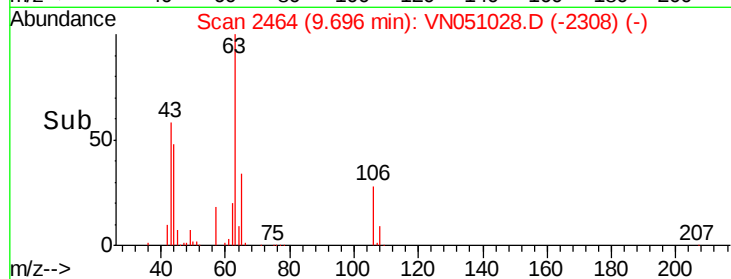
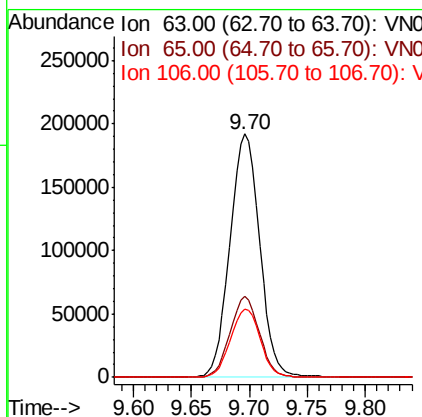
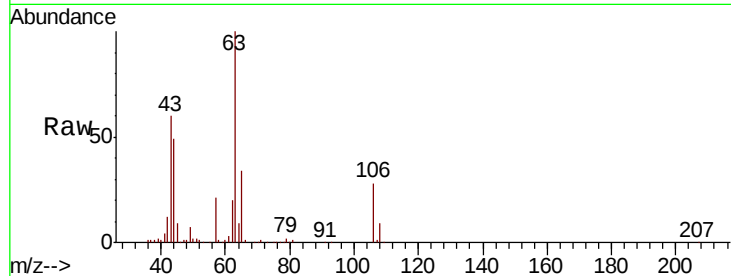




#55
 2-Chloroethyl vinyl ether
 Concen: 90.07 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

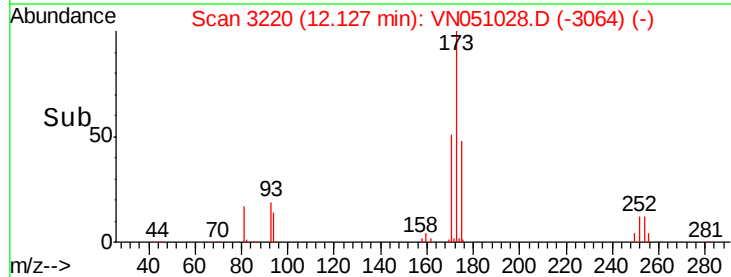
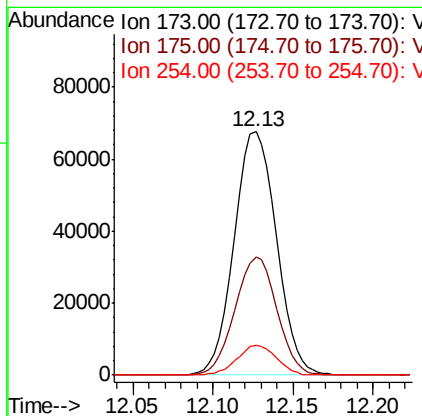
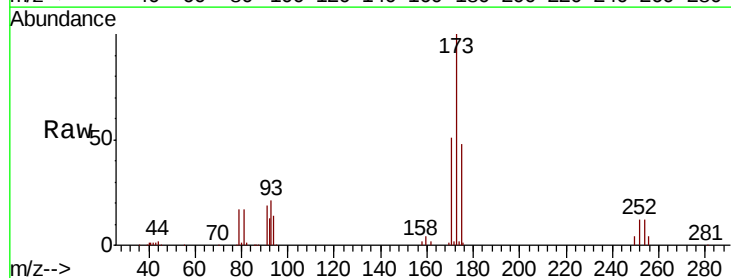
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

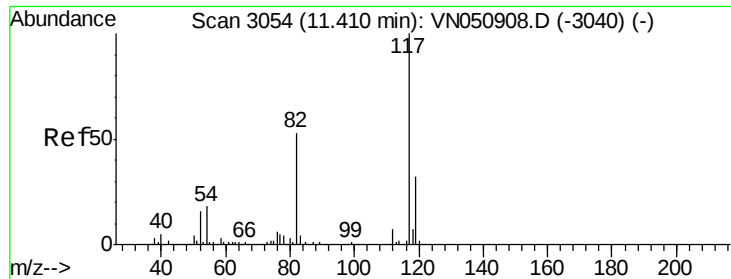
Tot Ion: 63 Resp: 341097
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.2
 106 28.0 22.0 33.0



#56
 Bromoform
 Concen: 20.31 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 173 Resp: 122180
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.2 58.8
 254 11.4 9.0 13.6

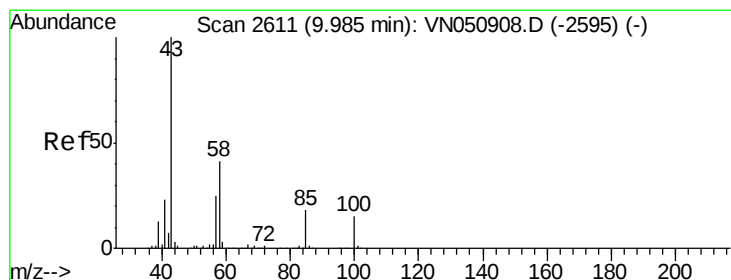
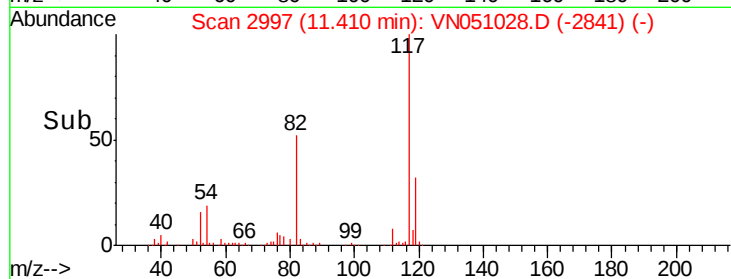
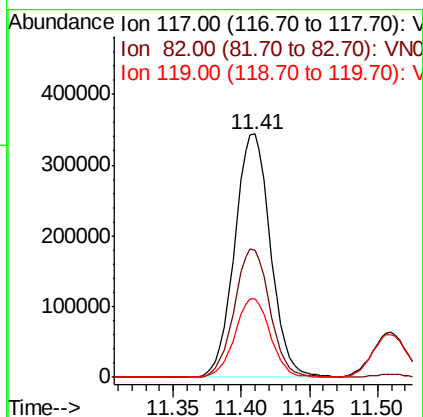
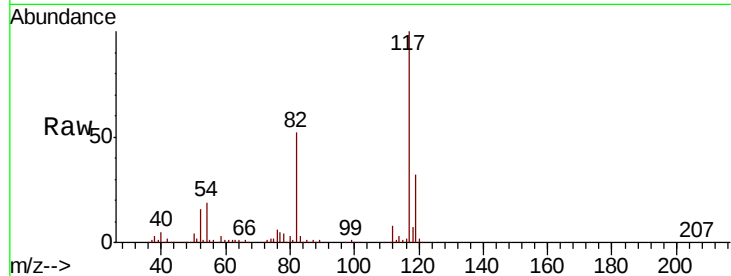




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

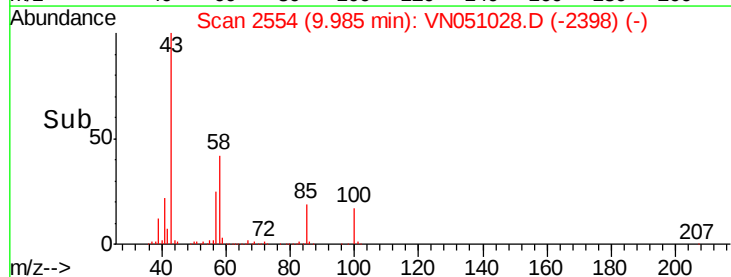
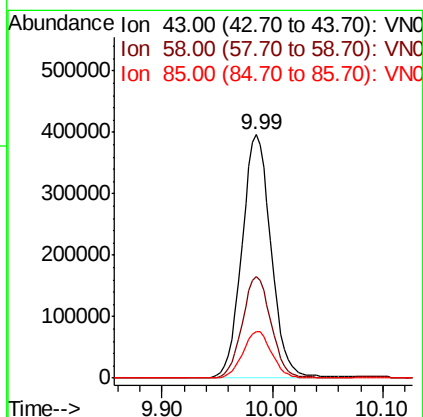
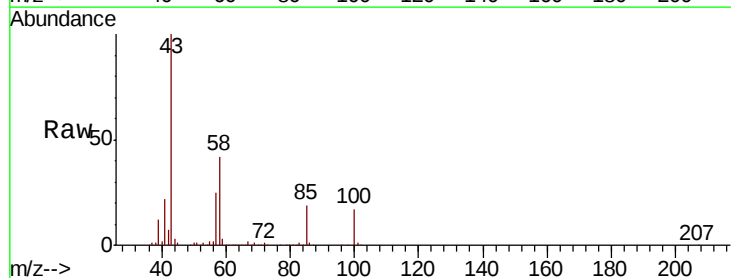
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

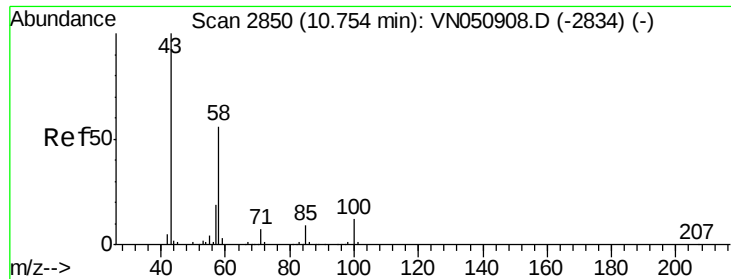
Tot Ion:117 Resp: 627346
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 100.71 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 43 Resp: 722888
Ion Ratio Lower Upper
43 100
58 41.5 32.3 48.5
85 19.1 14.9 22.3

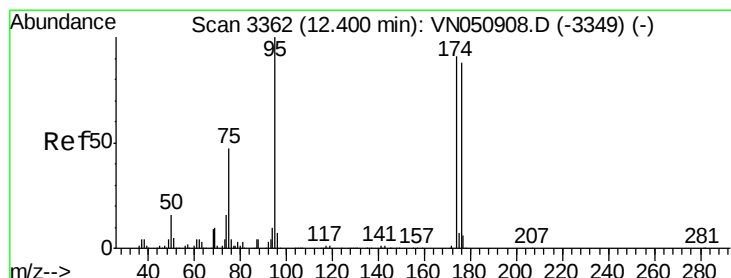
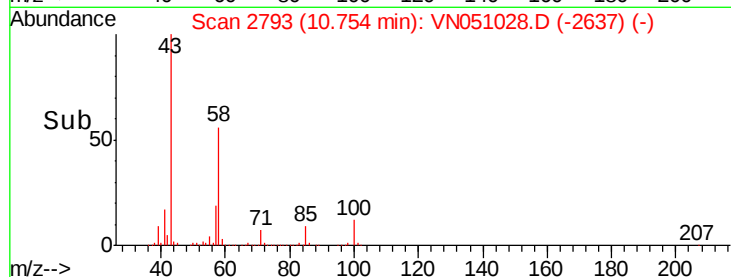
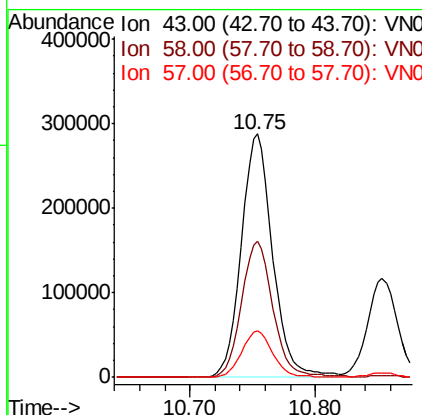
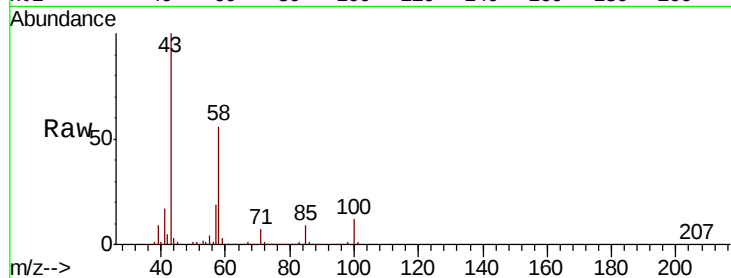




#59
2-Hexanone
Concen: 106.48 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

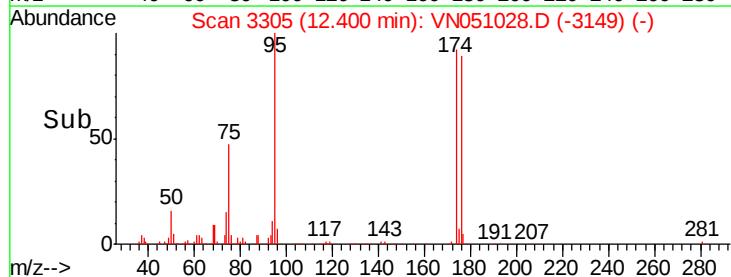
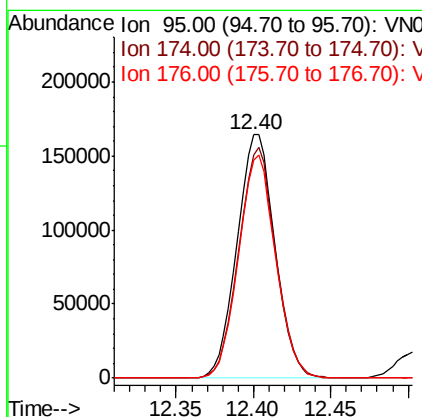
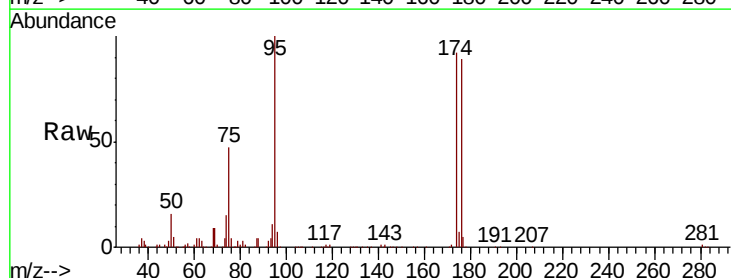
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

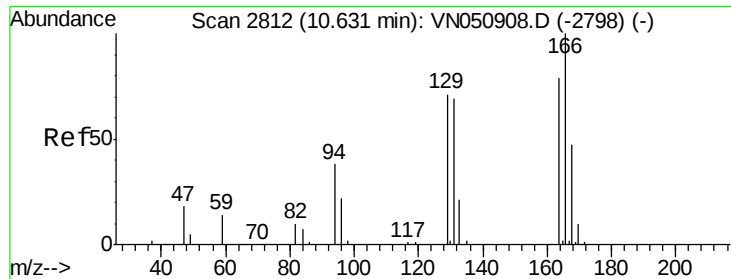
Tot Ion	43	Resp	499597
Ion Ratio	Lower	Upper	
43	100		
58	56.3	45.5	68.3
57	19.2	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 30.01 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	95	Resp	279973
Ion Ratio	Lower	Upper	
95	100		
174	92.6	74.6	112.0
176	89.5	71.5	107.3





#61

Tetrachloroethene

Concen: 19.29 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 150782

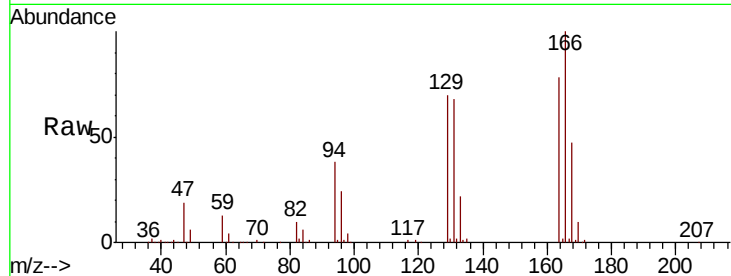
Ion Ratio Lower Upper

164 100

166 128.8 100.6 151.0

129 90.1 71.0 106.6

131 86.9 69.3 103.9

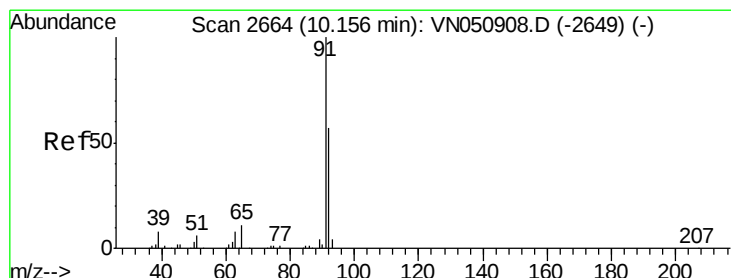
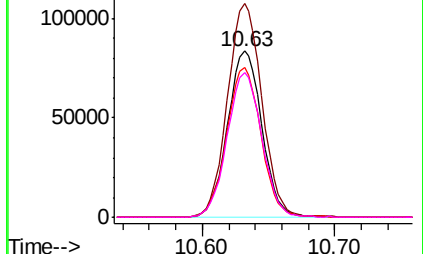
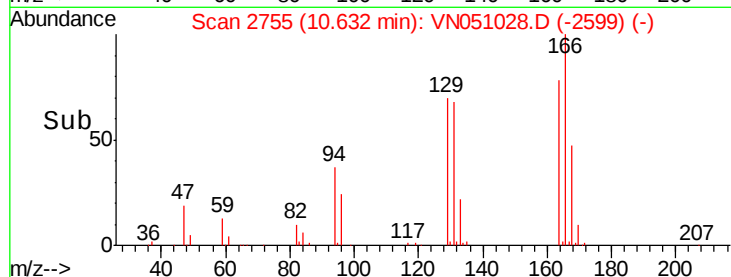


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.18 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051028.D

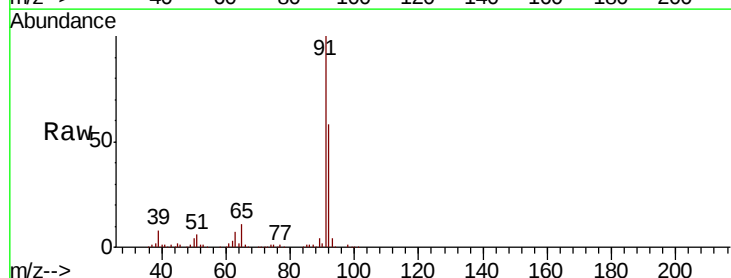
Acq: 6 Sep 2018 12:01

Tgt Ion: 91 Resp: 671404

Ion Ratio Lower Upper

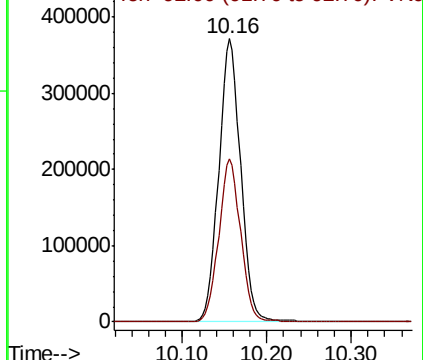
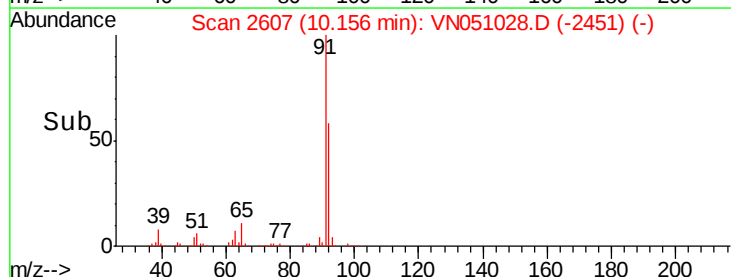
91 100

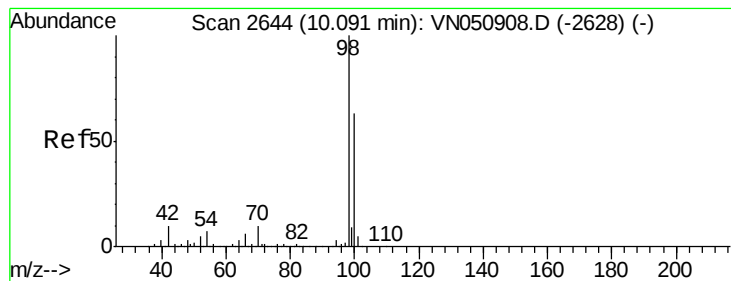
92 57.4 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.36 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

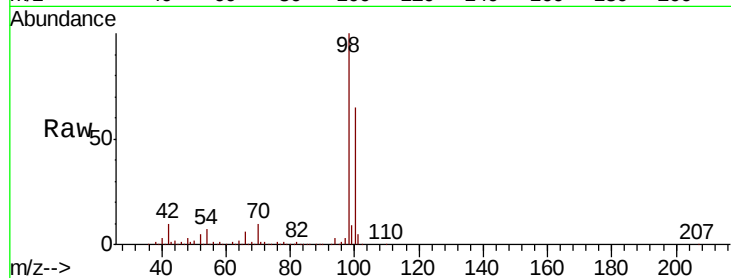
VSTDCCC020

Tot Ion: 98 Resp: 888243

Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051028.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN051028.D (-2628) (-)

10.09

500000

400000

300000

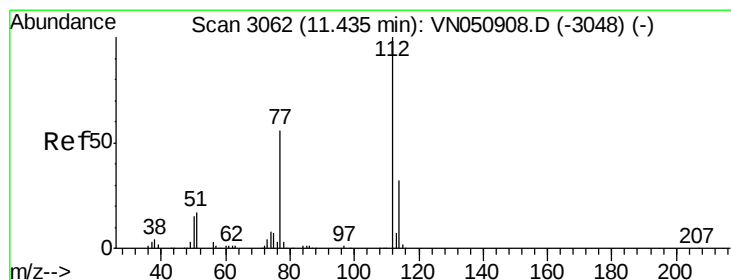
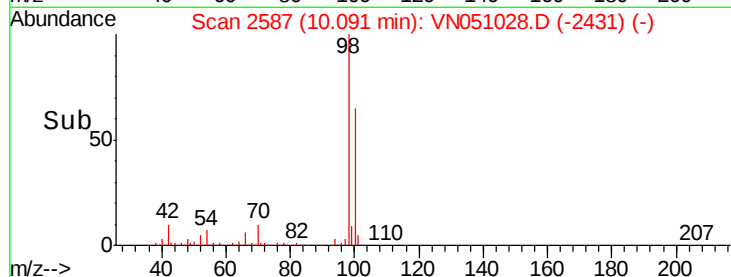
200000

100000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 19.47 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051028.D

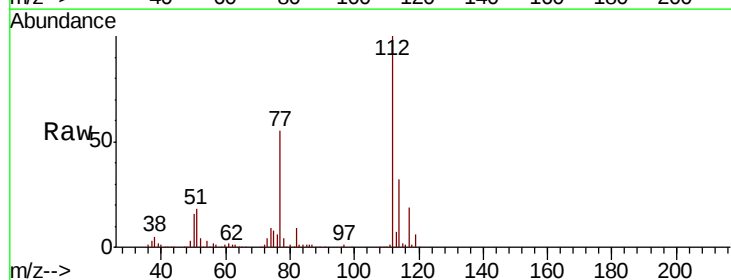
Acq: 6 Sep 2018 12:01

Tgt Ion: 112 Resp: 422404

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN051028.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN051028.D (-3048) (-)

11.43

250000

200000

150000

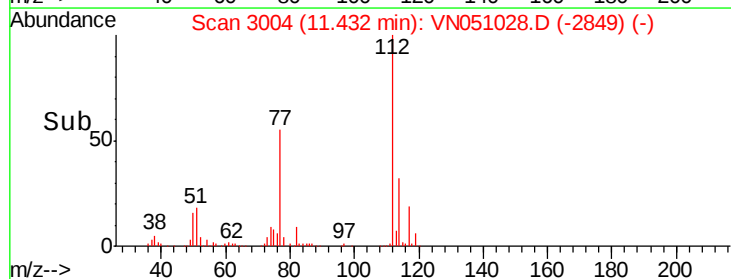
100000

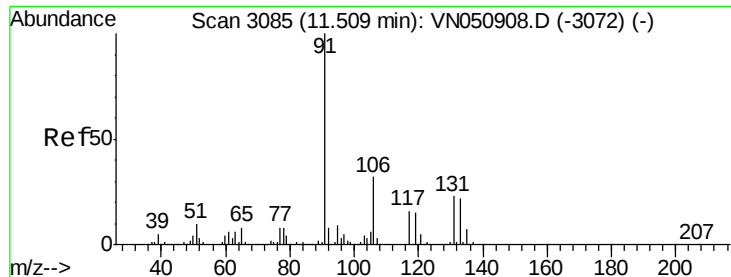
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

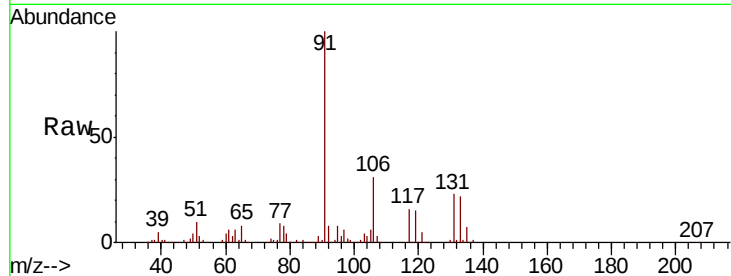
Tot Ion:131 Resp: 159632

Ion Ratio Lower Upper

131 100

133 97.4 0.0 189.4

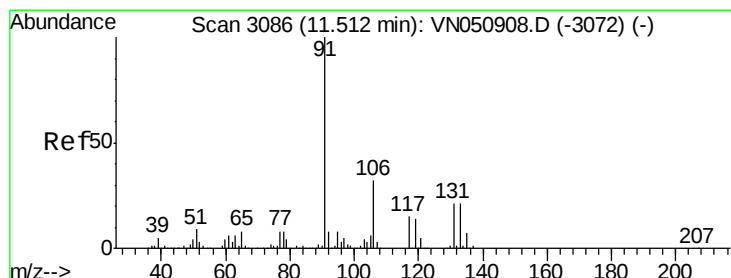
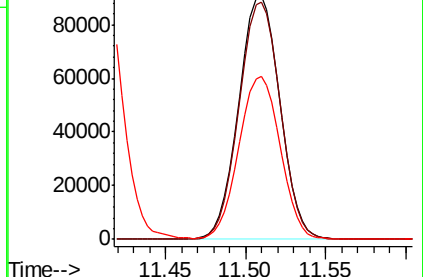
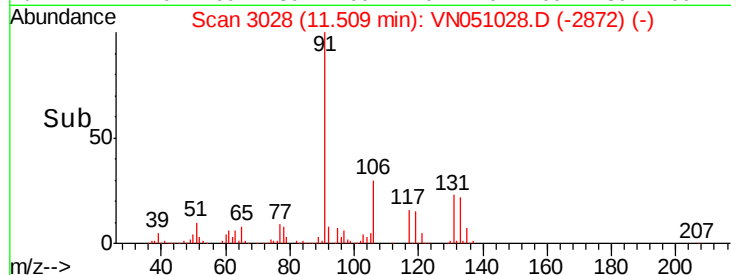
119 67.4 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.80 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051028.D

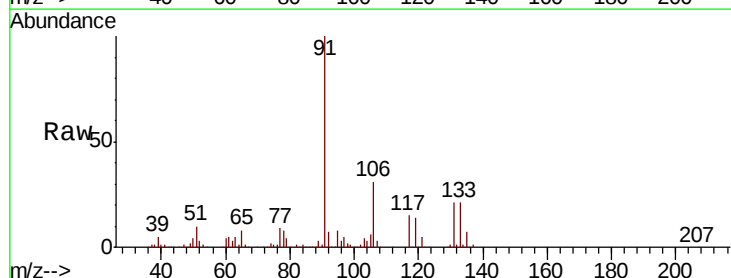
Acq: 6 Sep 2018 12:01

Tgt Ion: 91 Resp: 681651

Ion Ratio Lower Upper

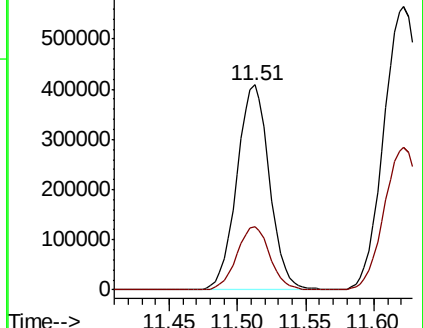
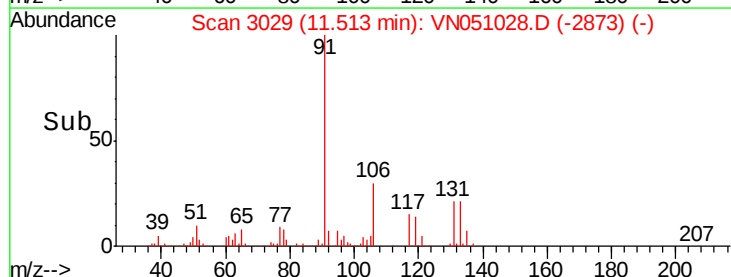
91 100

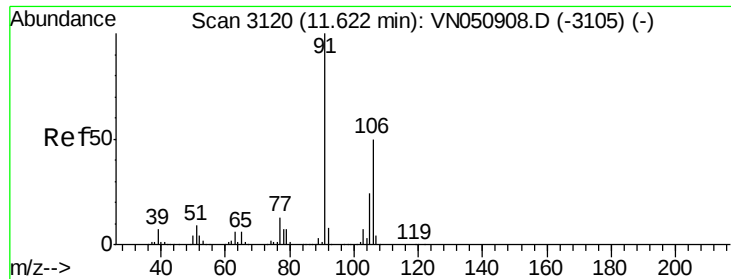
106 30.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.07 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

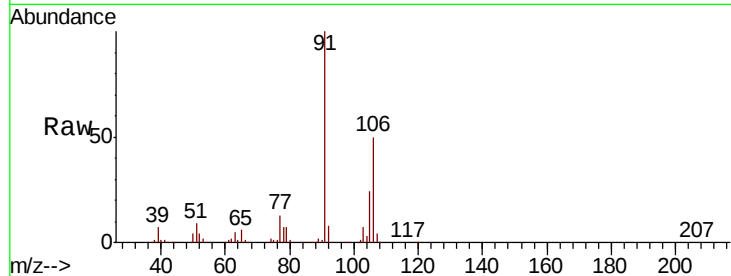
VSTDCCC020

Tot Ion:106 Resp: 545016

Ion Ratio Lower Upper

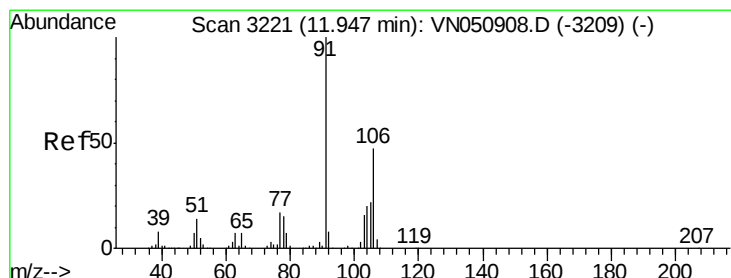
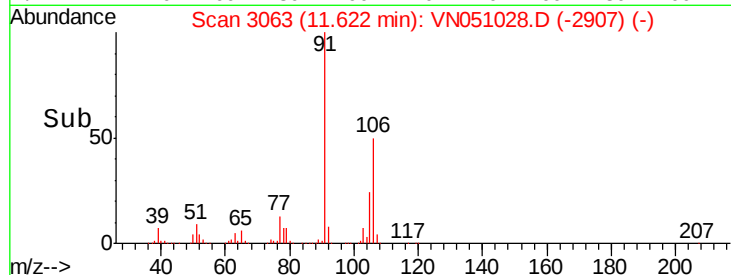
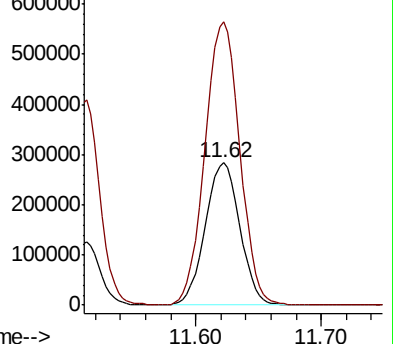
106 100

91 200.0 160.6 241.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.33 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051028.D

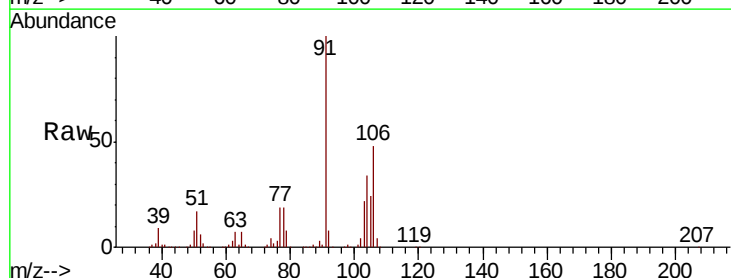
Acq: 6 Sep 2018 12:01

Tgt Ion:106 Resp: 257640

Ion Ratio Lower Upper

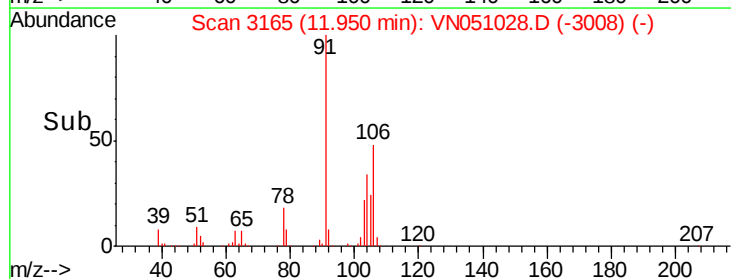
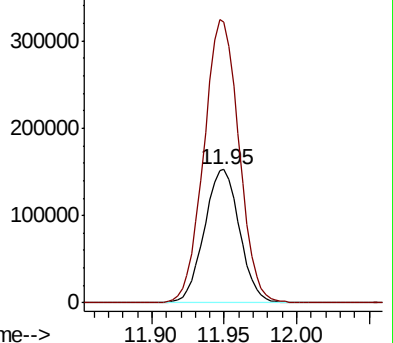
106 100

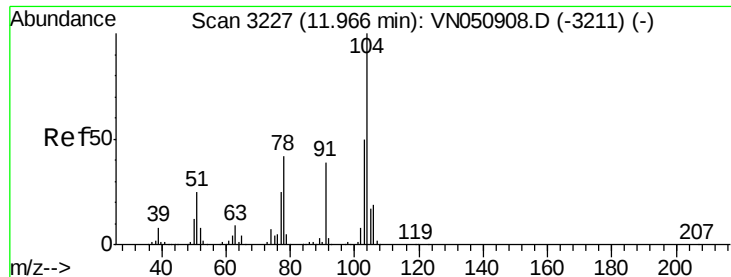
91 212.3 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

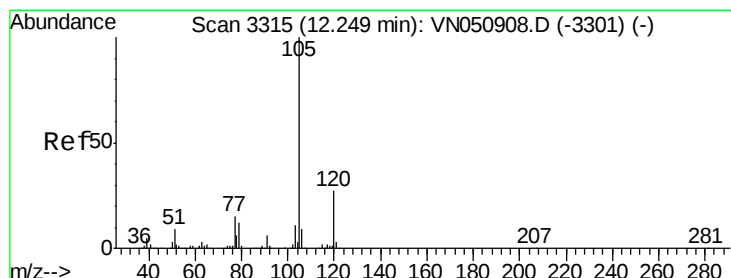
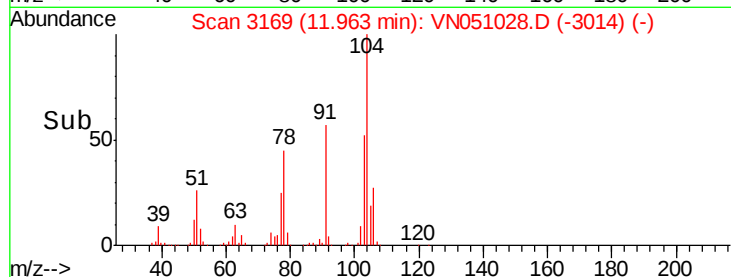
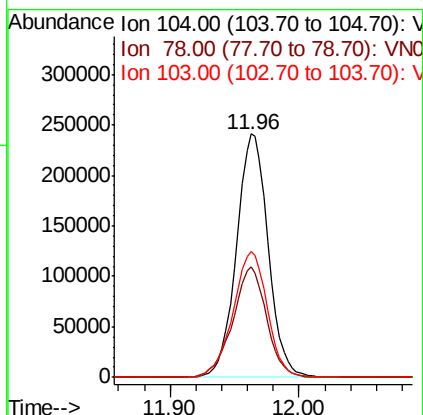
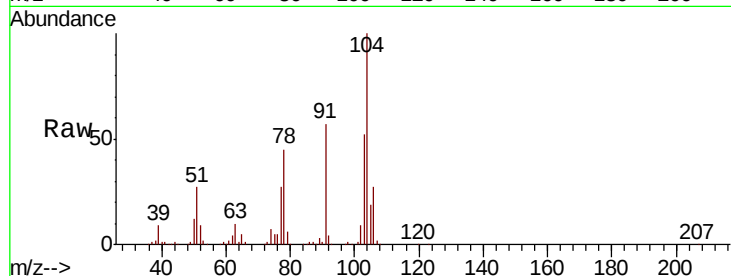




#69
Stvrene
Concen: 19.42 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

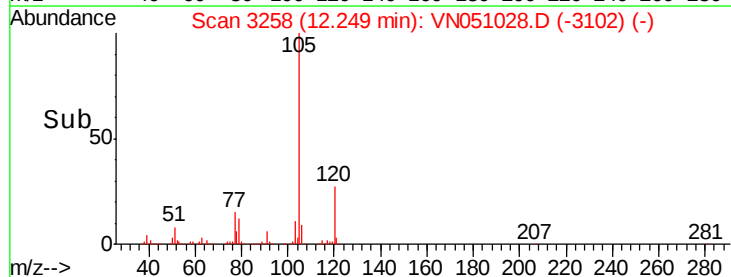
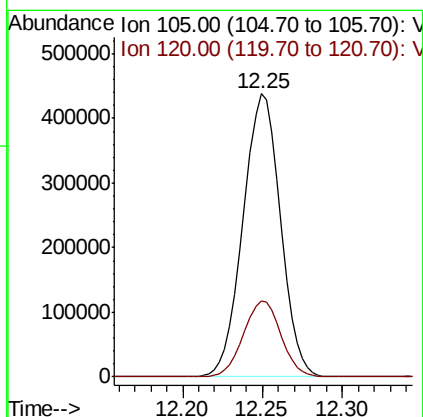
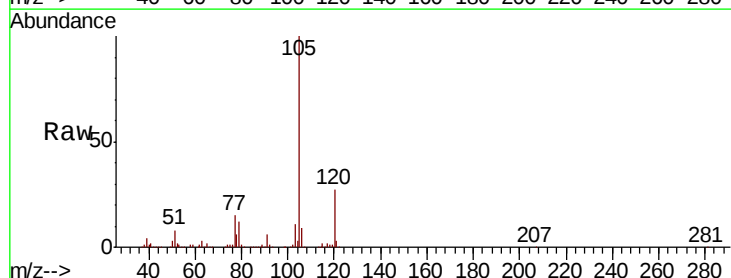
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

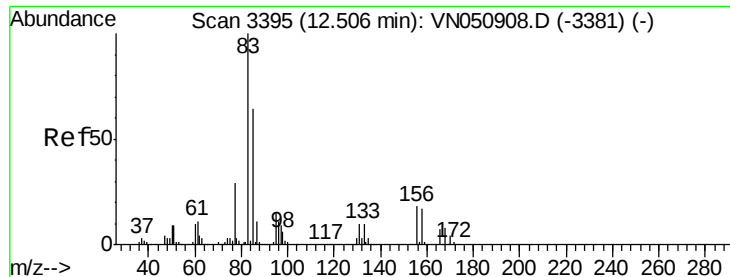
Tot Ion:104 Resp: 411605
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 55.7 45.4 68.2



#70
Isopropylbenzene
Concen: 19.78 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion:105 Resp: 700676
Ion Ratio Lower Upper
105 100
120 26.8 18.6 34.6

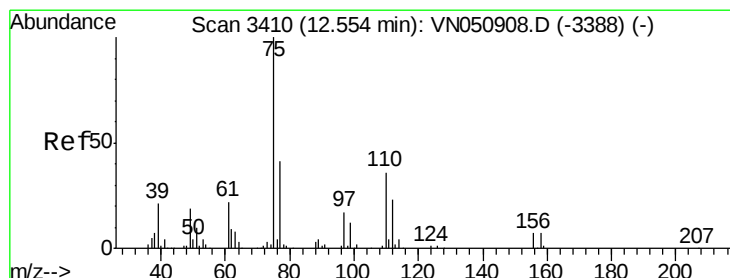
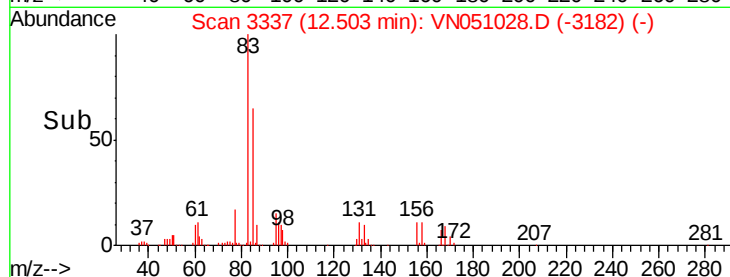
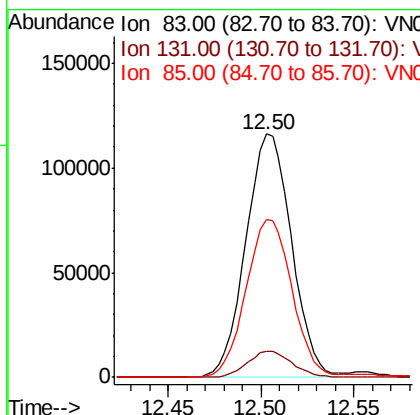
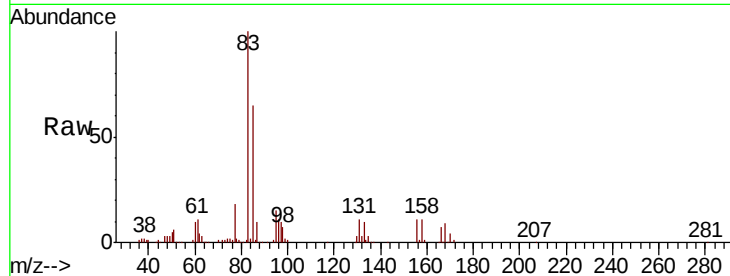




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.75 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

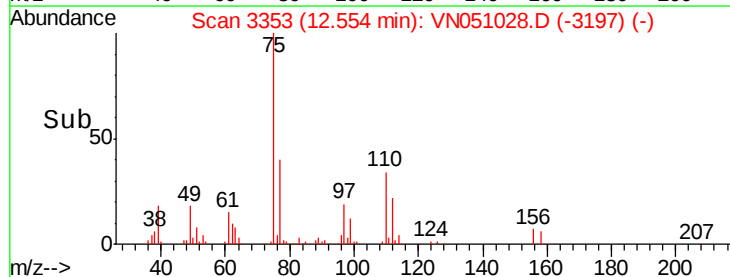
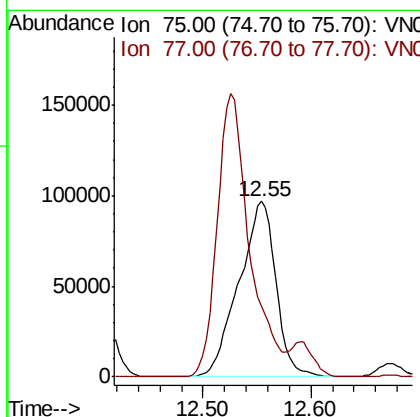
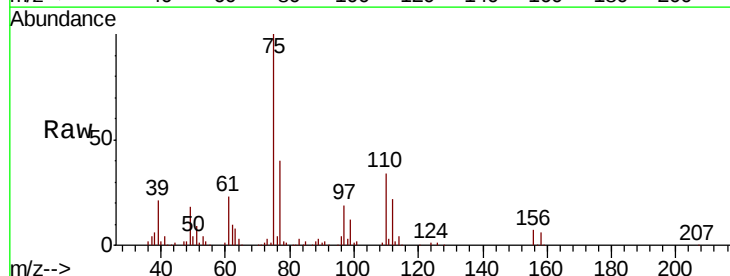
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

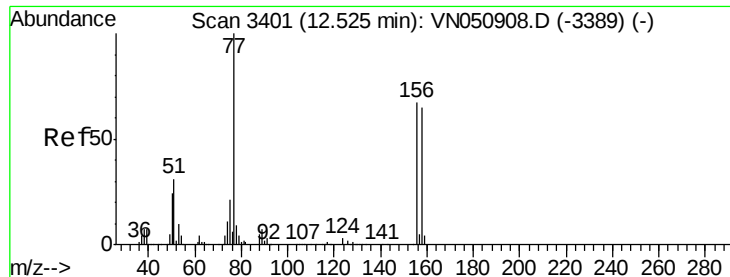
Tot Ion	83	Resp	198992
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	65.3	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 27.92 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	75	Resp	230995
Ion Ratio	Lower	Upper	
75	100		
77	141.0	0.0	301.6





#73

Bromobenzene

Concen: 19.42 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

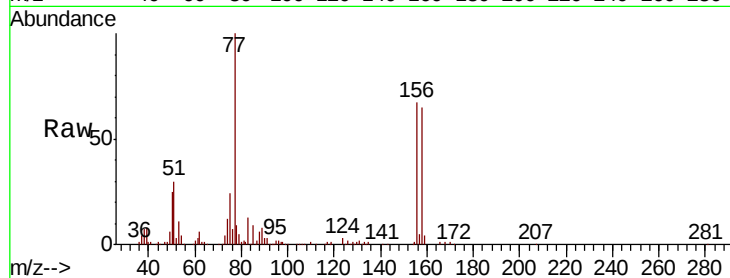
Tot Ion:156 Resp: 180988

Ion Ratio Lower Upper

156 100

77 180.0 0.0 359.4

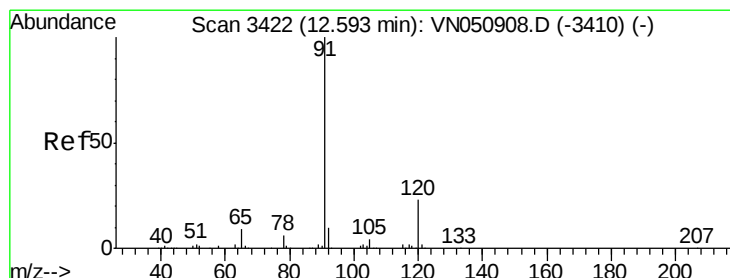
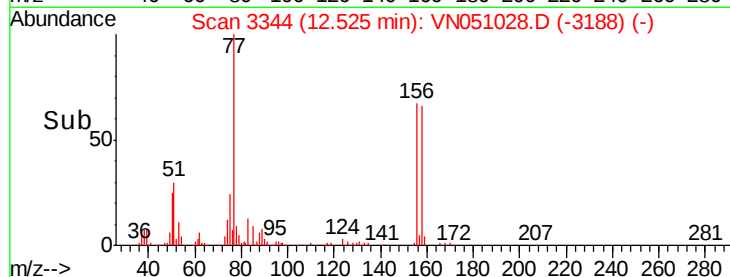
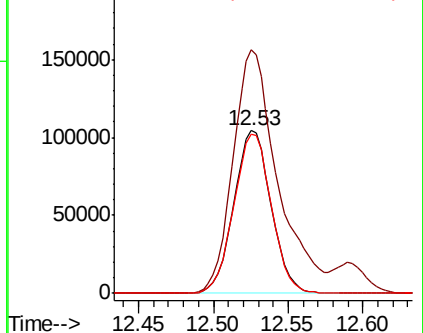
158 98.4 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.52 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051028.D

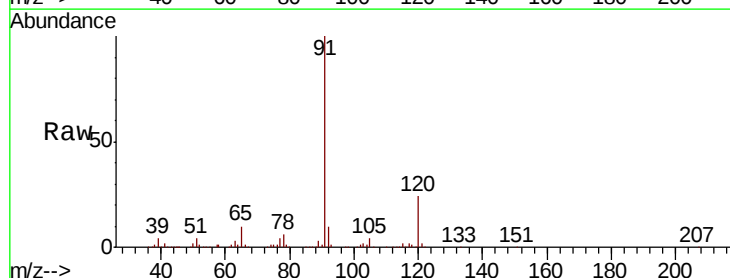
Acq: 6 Sep 2018 12:01

Tgt Ion: 91 Resp: 781685

Ion Ratio Lower Upper

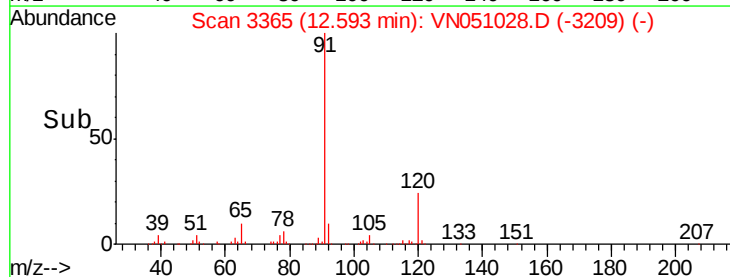
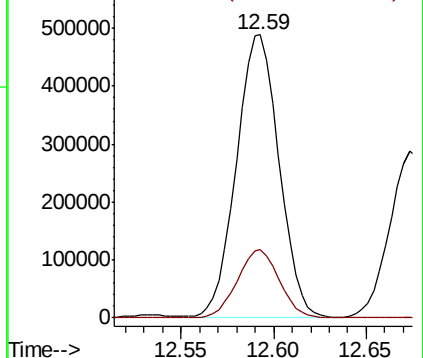
91 100

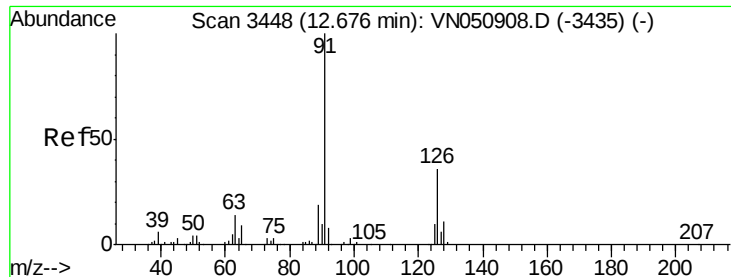
120 23.6 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.56 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

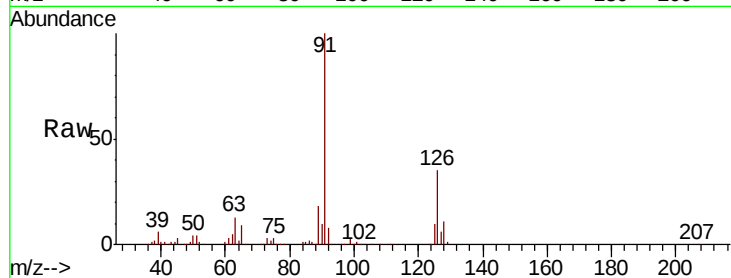
VSTDCCC020

Tot Ion: 91 Resp: 475704

Ion Ratio Lower Upper

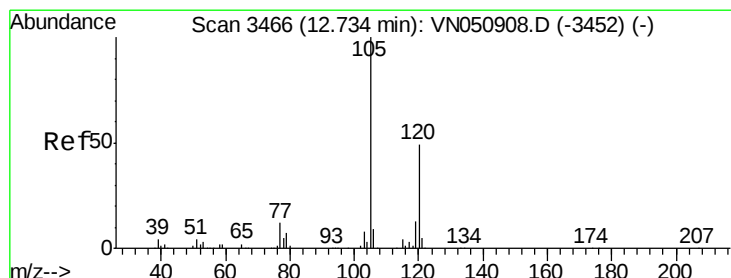
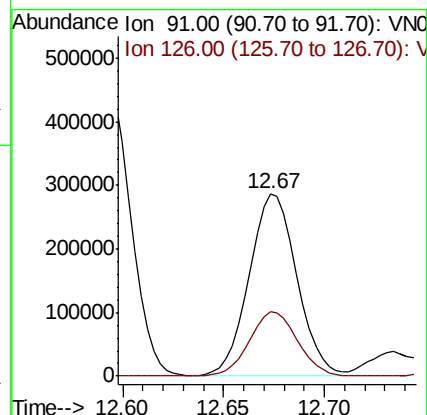
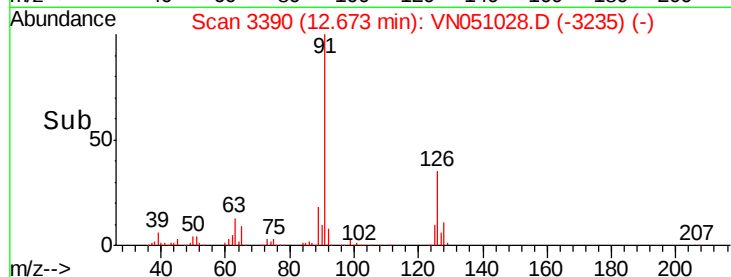
91 100

126 35.5 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN051028.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN051028.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.83 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051028.D

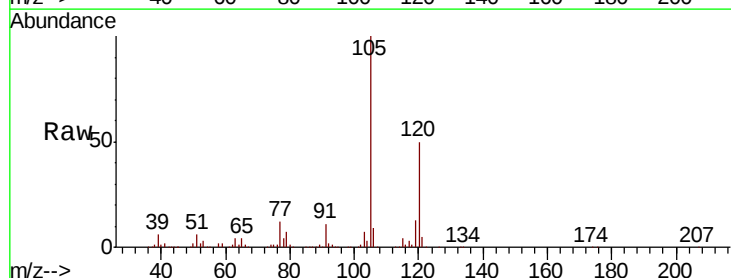
Acq: 6 Sep 2018 12:01

Tgt Ion: 105 Resp: 573935

Ion Ratio Lower Upper

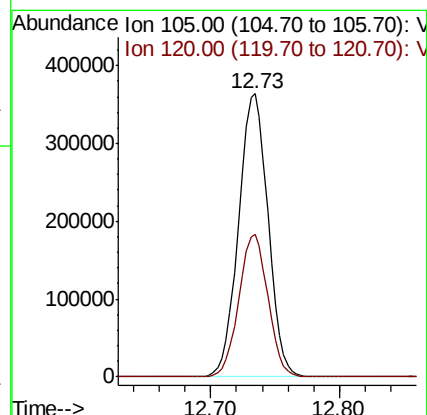
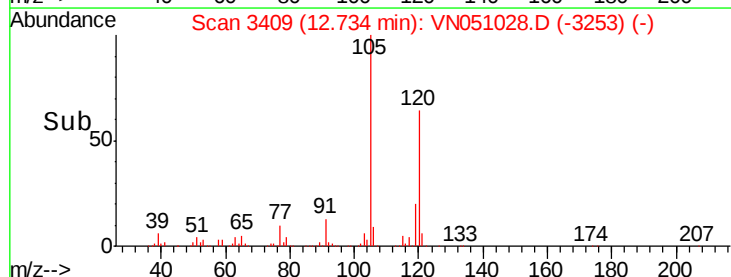
105 100

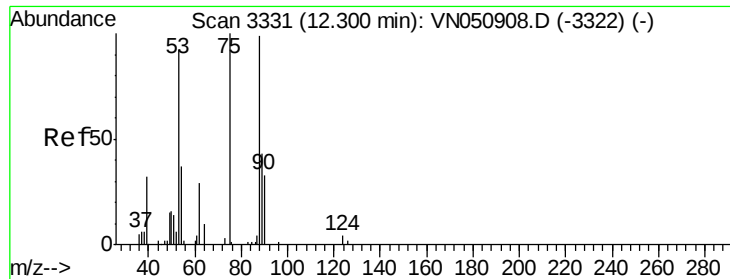
120 50.0 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN051028.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN051028.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.13 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

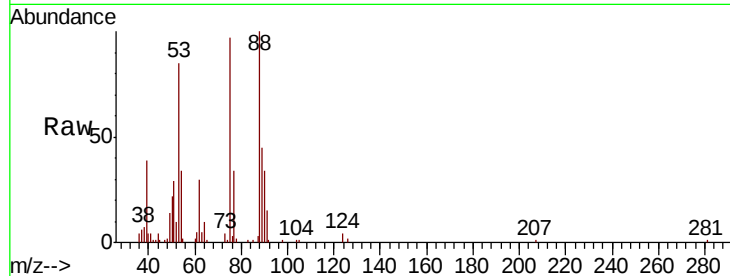
Tot Ion: 75 Resp: 47451

Ion Ratio Lower Upper

75 100

53 87.8 45.5 136.4

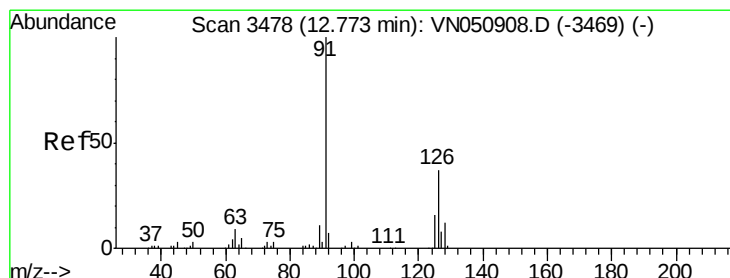
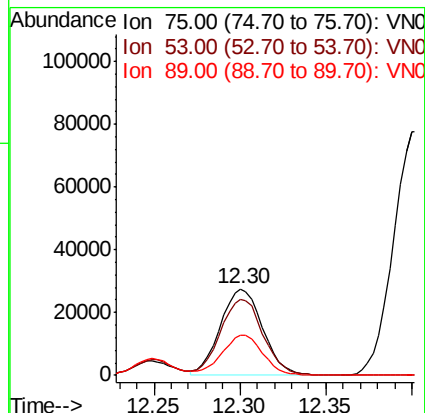
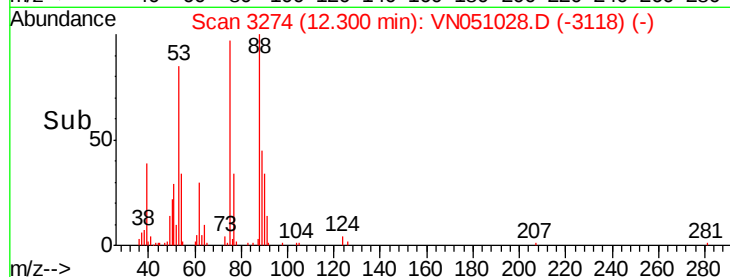
89 46.8 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.48 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051028.D

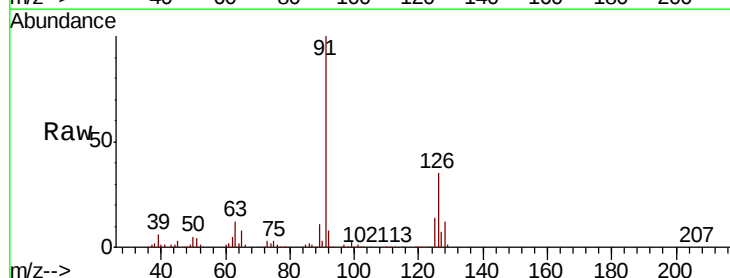
Acq: 6 Sep 2018 12:01

Tgt Ion: 91 Resp: 466555

Ion Ratio Lower Upper

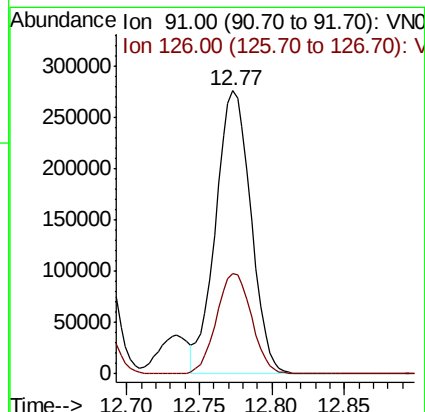
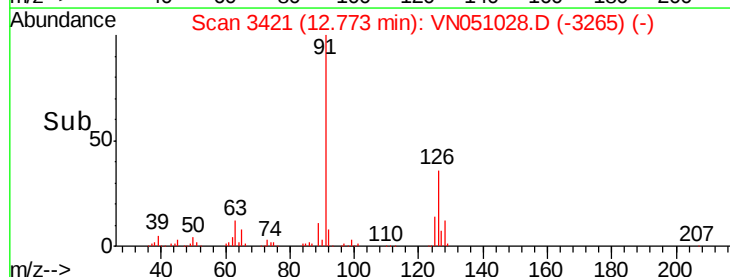
91 100

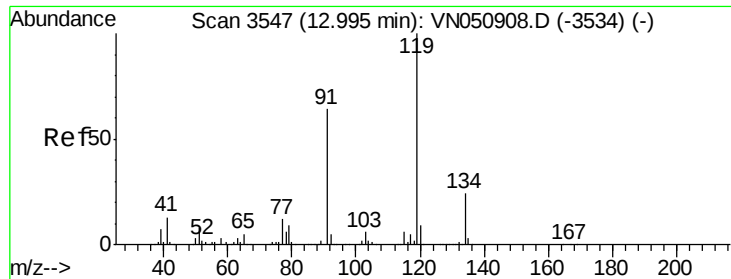
126 35.4 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

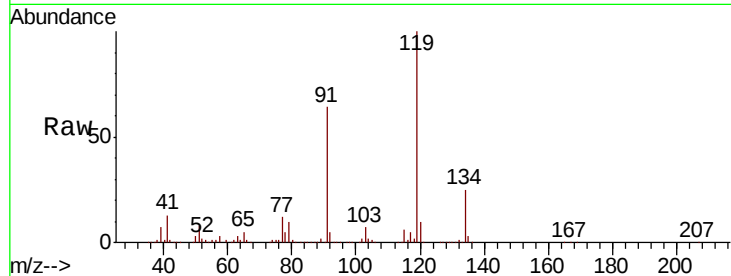




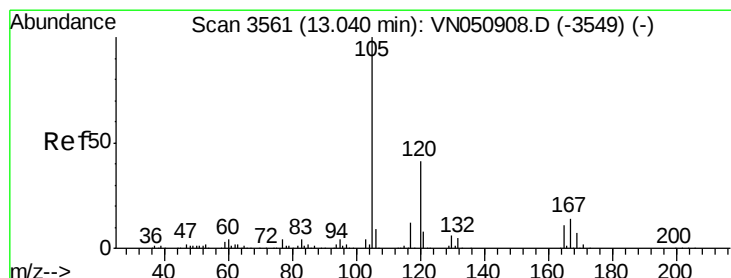
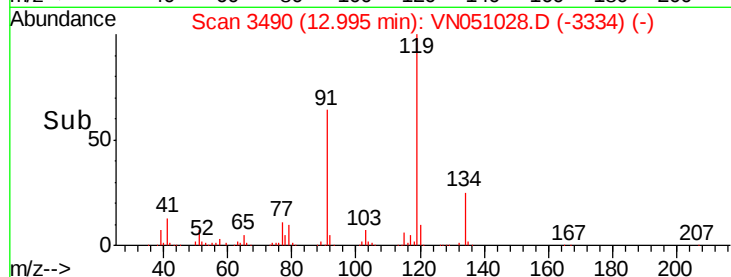
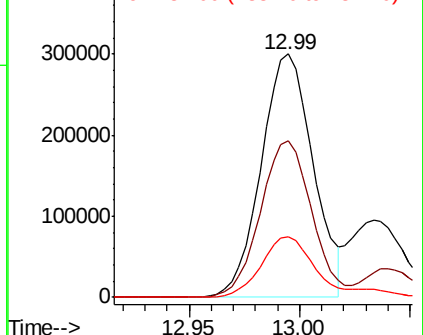
#79
tert-butylbenzene
Concen: 19.49 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:119 Resp: 489933
Ion Ratio Lower Upper
119 100
91 63.8 0.0 125.6
134 25.1 0.0 48.4

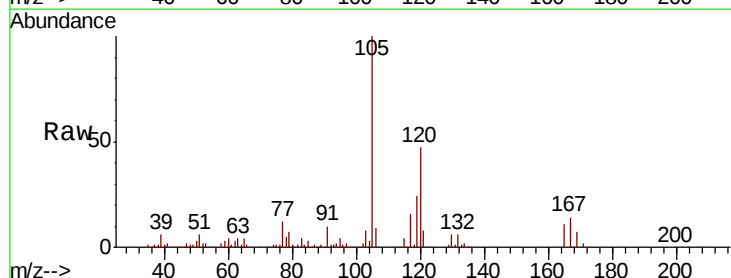


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

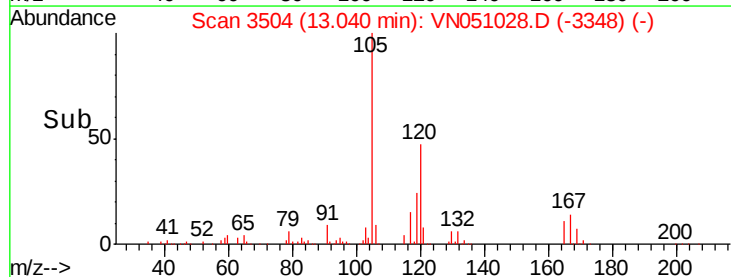
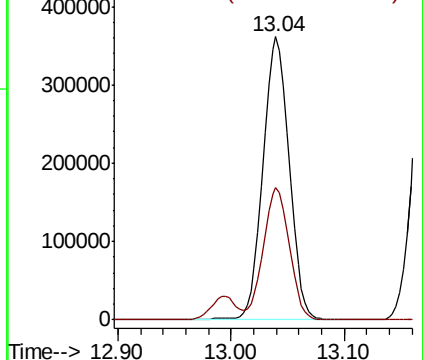


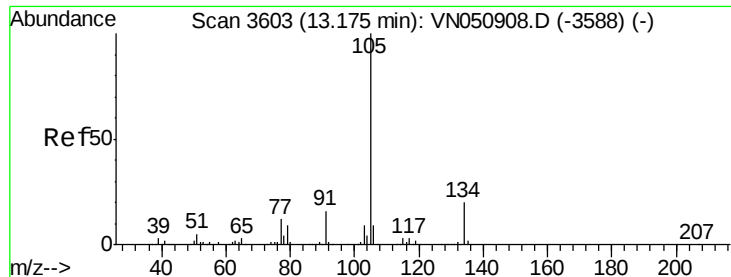
#80
1,2,4-Trimethylbenzene
Concen: 20.15 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion:105 Resp: 581553
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

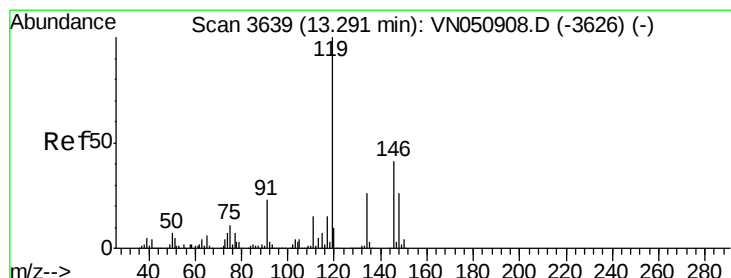
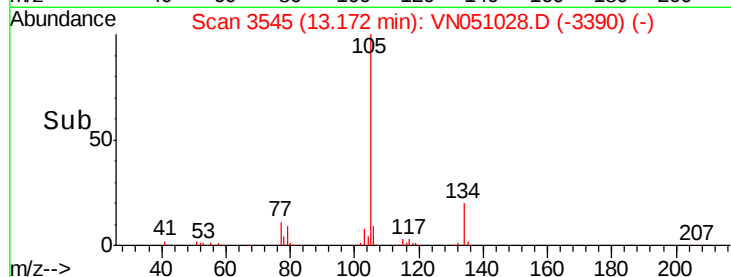
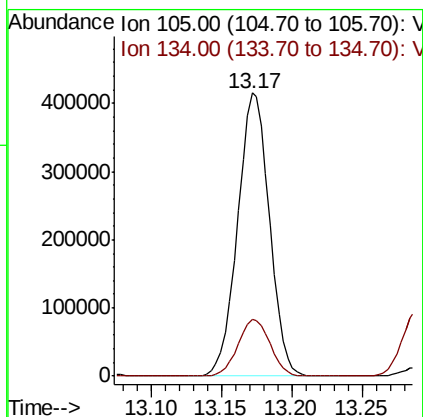
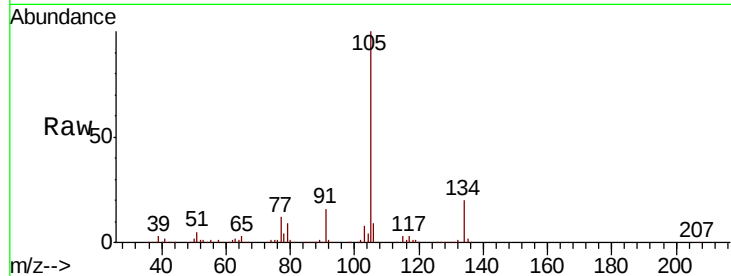




#81
 sec-Butylbenzene
 Concen: 19.94 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

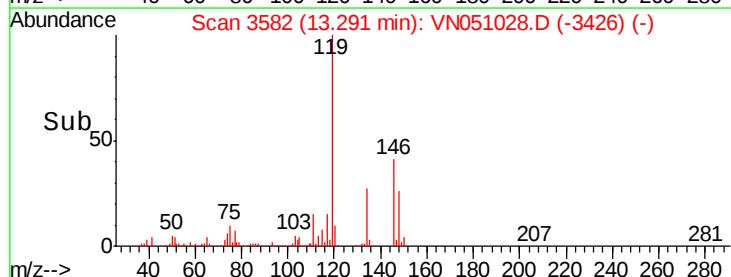
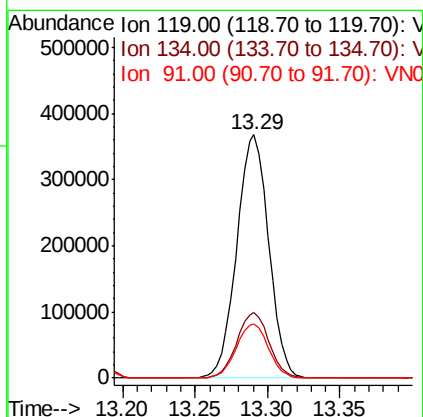
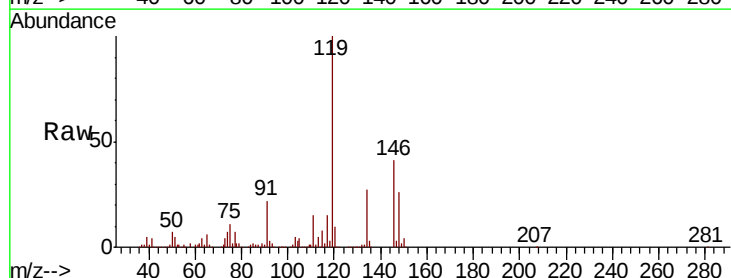
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

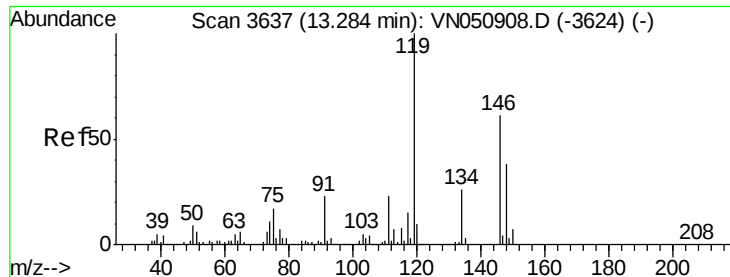
Tot Ion:105 Resp: 655644
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 19.78 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:119 Resp: 561451
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.2
 91 22.6 0.0 46.0

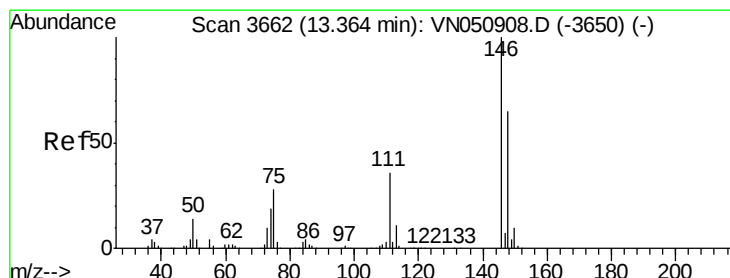
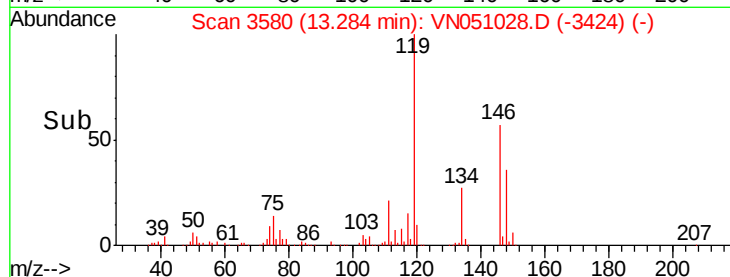
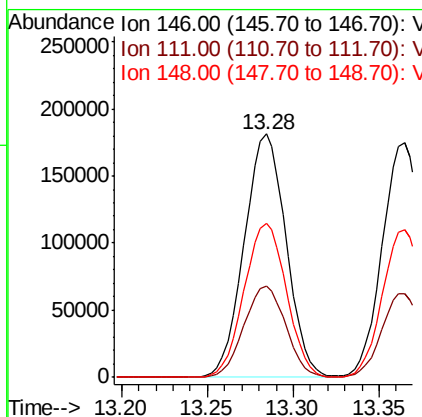
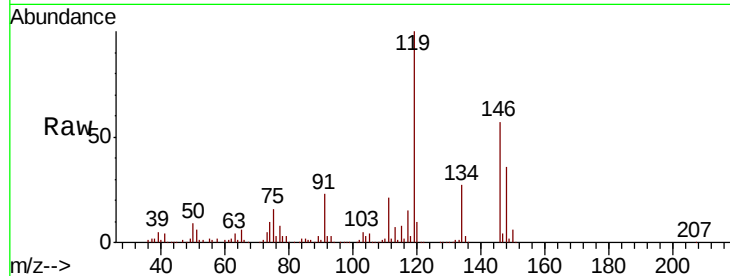




#83
 1,3-Dichlorobenzene
 Concen: 19.45 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

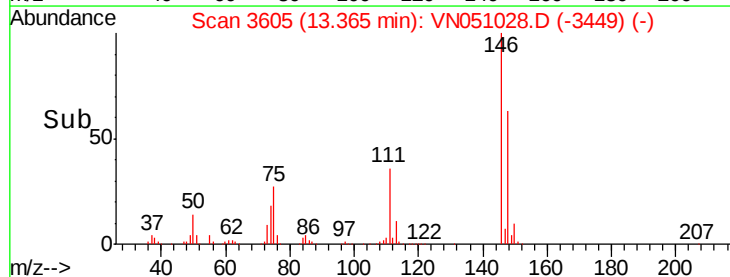
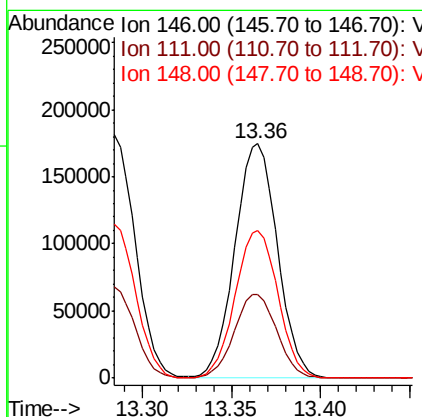
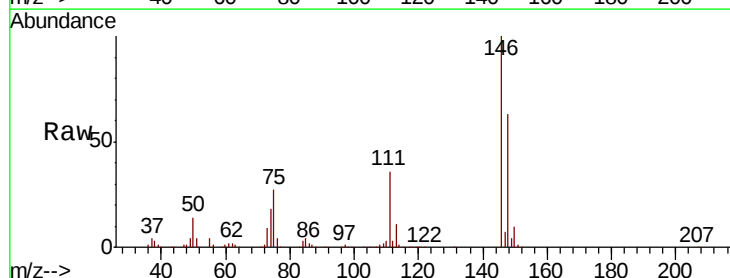
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

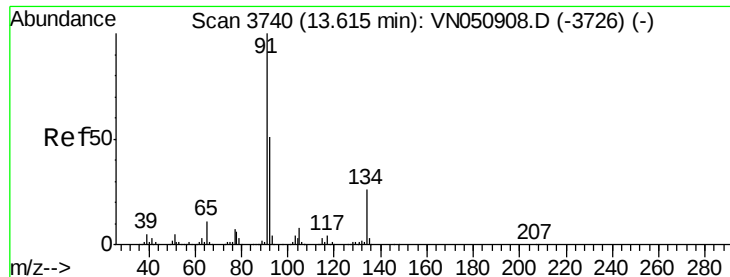
Tot Ion:146 Resp: 306463
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.6
 148 63.8 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:146 Resp: 289066
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.7 53.1
 148 63.7 31.6 94.8





#85

n-Butylbenzene

Concen: 19.28 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

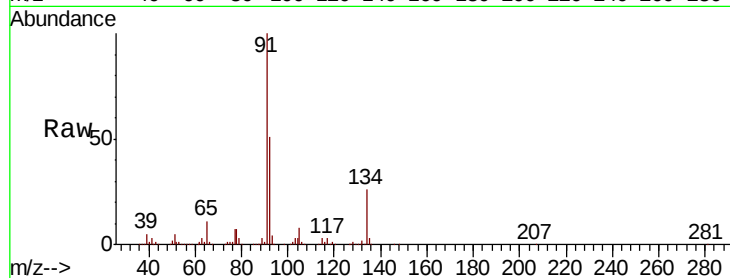
Tot Ion: 91 Resp: 417669

Ion Ratio Lower Upper

91 100

92 51.0 0.0 101.8

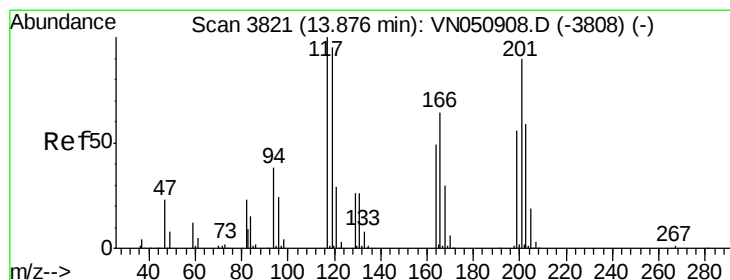
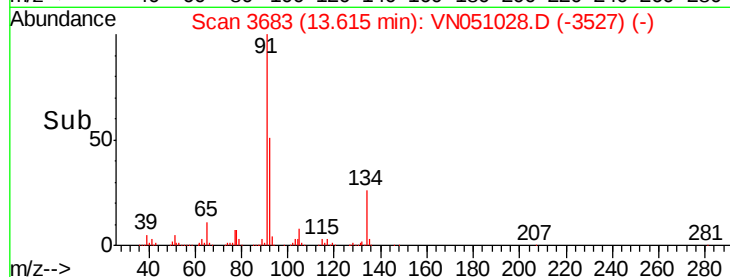
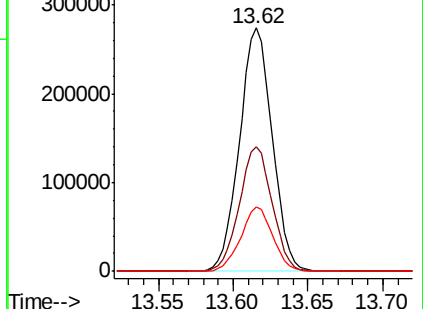
134 25.9 0.0 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN051028.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN051028.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN051028.D (-3726) (-)



#86

Hexachloroethane

Concen: 20.00 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051028.D

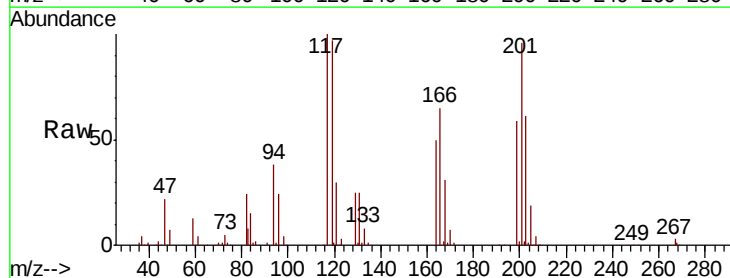
Acq: 6 Sep 2018 12:01

Tgt Ion: 117 Resp: 108987

Ion Ratio Lower Upper

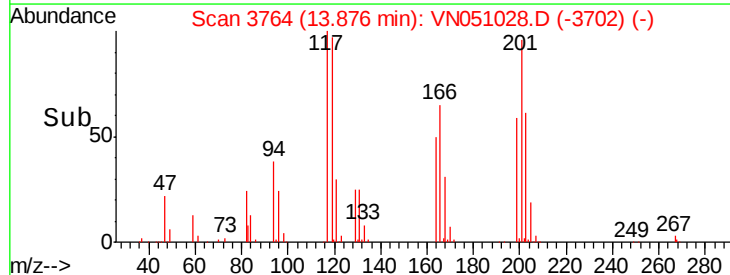
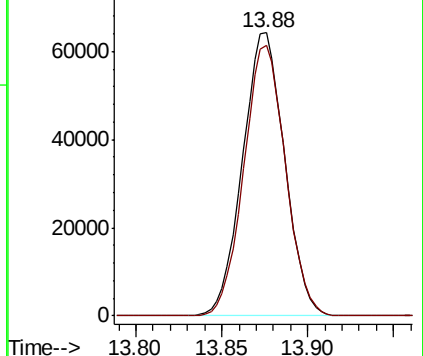
117 100

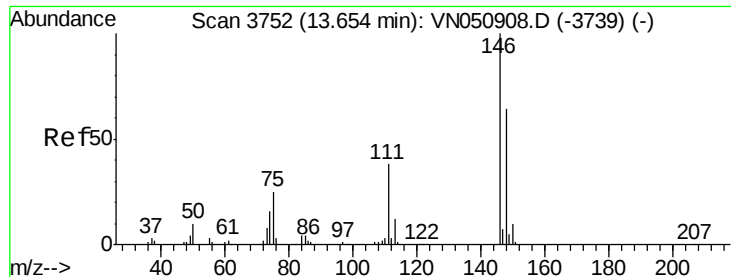
201 94.3 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN051028.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN051028.D (-3702) (-)

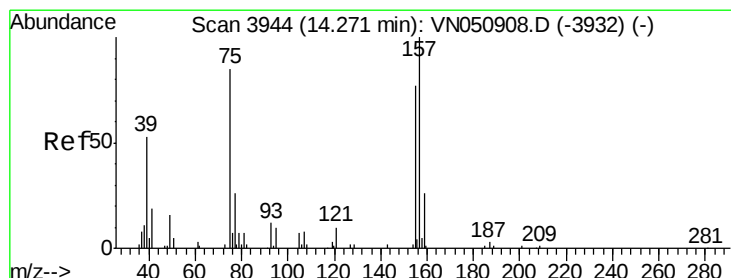
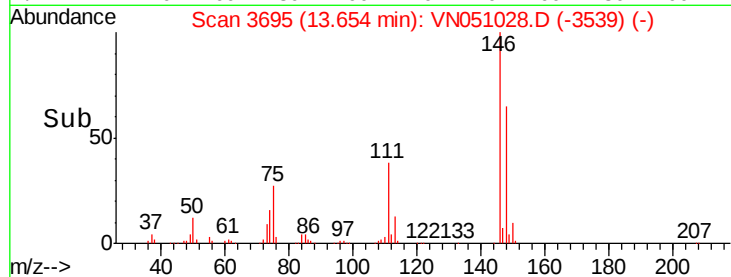
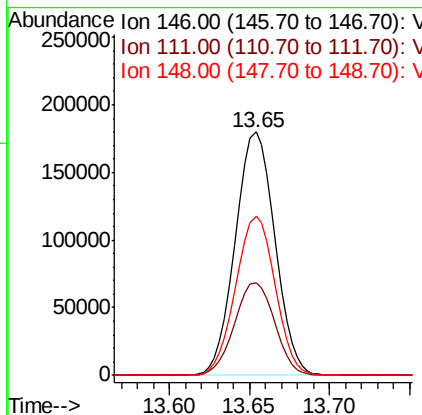
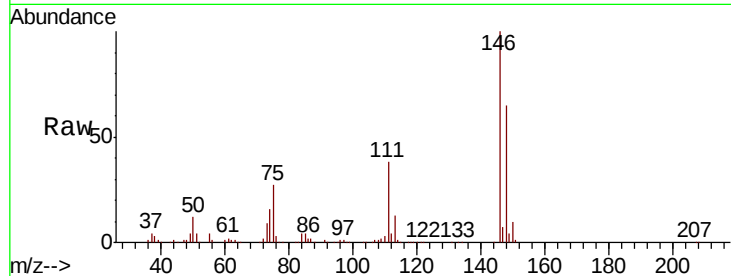




#87
 1,2-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

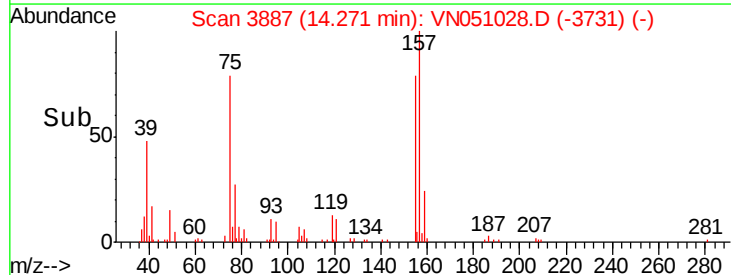
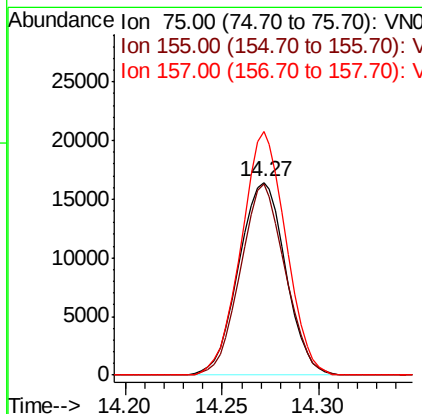
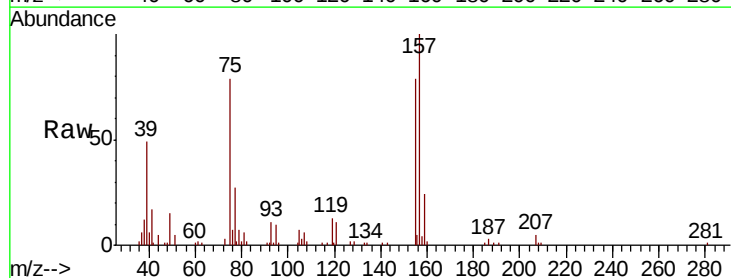
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

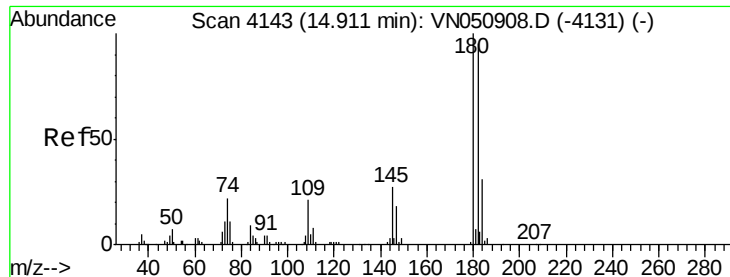
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.1	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.67 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	71.8	107.6
157	120.2	91.1	136.7

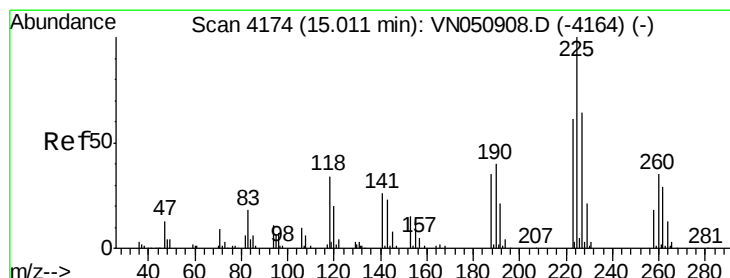
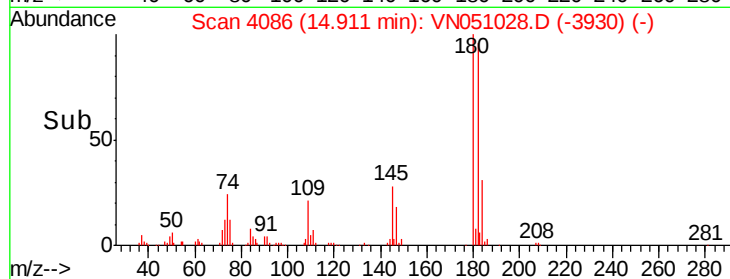
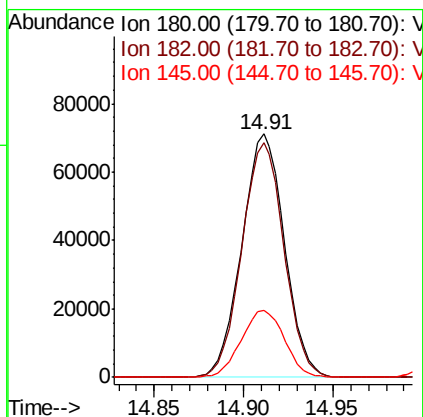
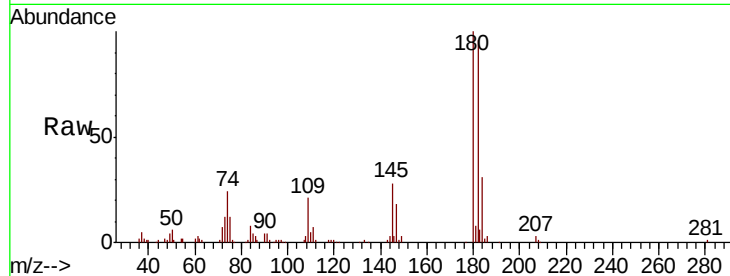




#89
 1,2,4-Trichlorobenzene
 Concen: 17.18 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

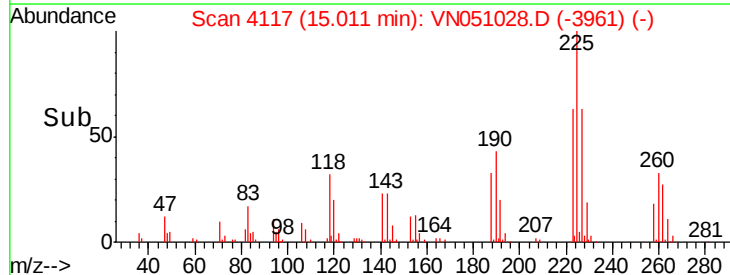
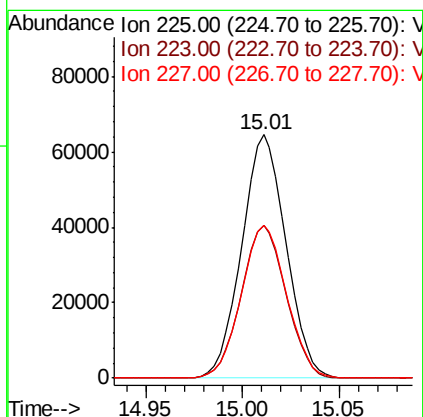
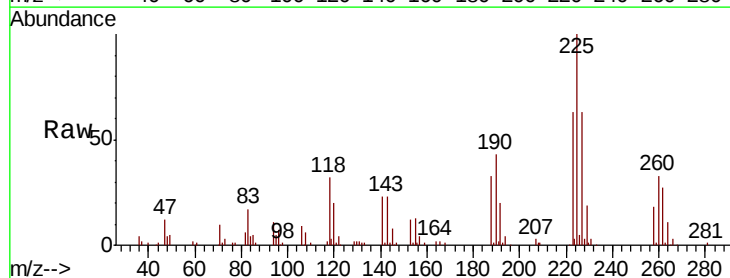
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

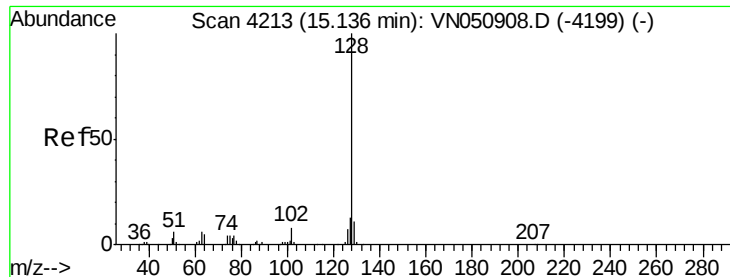
Tot Ion:180 Resp: 118632
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 145 27.8 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 21.90 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:225 Resp: 102717
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 127.8
 227 64.1 0.0 128.4





#91

Naphthalene

Concen: 19.34 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

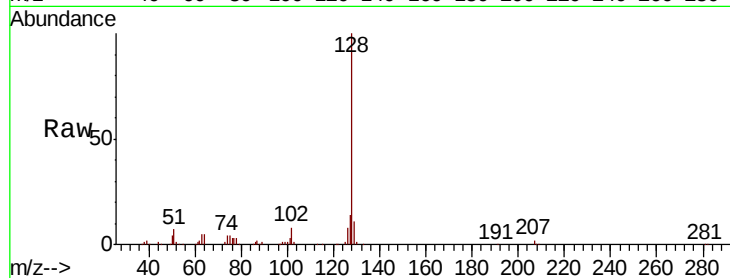
Tot Ion:128 Resp: 232343

Ion Ratio Lower Upper

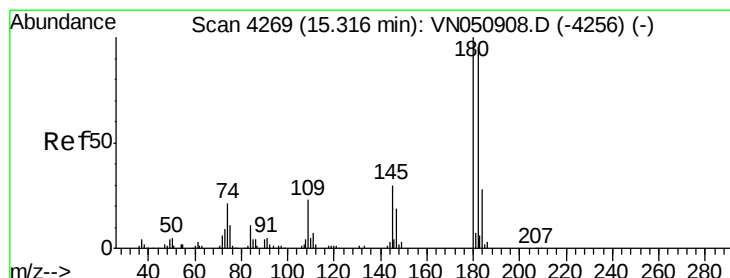
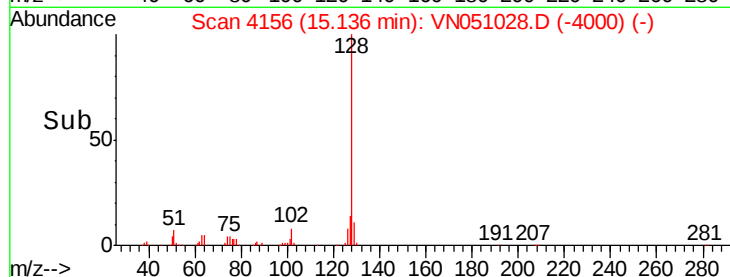
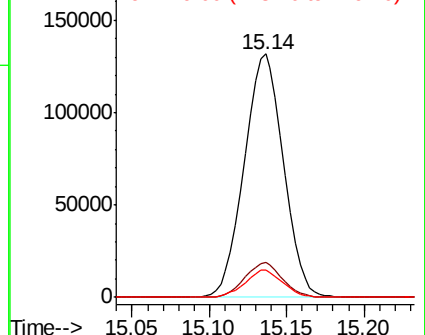
128 100

127 13.9 10.6 16.0

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.61 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

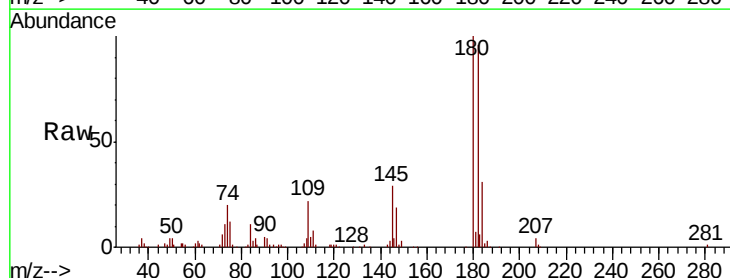
Tgt Ion:180 Resp: 128907

Ion Ratio Lower Upper

180 100

182 94.7 0.0 192.8

145 29.4 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

