

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050667.D
 Acq On : 15 Aug 2018 20:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 16 04:22:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	120941	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	632973	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	548430	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242296	29.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.23%
60) 4-Bromofluorobenzene	12.40	95	249888	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	807229	30.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	131242	15.75	ug/l	97
3) Chloromethane	2.06	50	169160	19.69	ug/l	99
4) Vinyl Chloride	2.18	62	177014	19.35	ug/l	97
5) Bromomethane	2.56	94	98493	17.66	ug/l	100
6) Chloroethane	2.70	64	108540	20.06	ug/l	97
7) Trichlorofluoromethane	3.01	101	236823	19.81	ug/l	99
8) Diethyl Ether	3.41	74	80956	20.19	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144286	19.84	ug/l	100
10) 1,1-Dichloroethene	3.73	96	126364	19.60	ug/l	96
11) Methyl Iodide	3.95	142	82220	8.67	ug/l	99
12) Methyl Acetate	4.33	43	128998	17.46	ug/l	99
13) Acrolein	3.61	56	13217	28.95	ug/l	98
14) Acrylonitrile	5.00	53	249086	101.06	ug/l	99
15) Acetone	3.82	58	79306	121.07	ug/l	84
16) Carbon Disulfide	4.05	76	397167	20.13	ug/l	98
17) Allyl chloride	4.32	41	195654	19.21	ug/l	98
18) Methylene Chloride	4.55	84	155559	20.91	ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	141409	20.48	ug/l	98
20) Diisopropyl ether	5.96	45	452097	21.65	ug/l	96
21) 1,1-Dichloroethane	5.85	63	271433	20.67	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	157679	20.60	ug/l	99
23) tert-Butyl Alcohol	4.80	59	51171	92.91	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	355647	20.22	ug/l	99
25) Chloroform	7.37	83	278133	20.93	ug/l	100
26) Cyclohexane	7.66	56	216152	20.72	ug/l	# 97
29) 1,1-Dichloropropene	7.80	75	202679	20.63	ug/l	99
30) 2-Butanone	6.84	43	357661	116.03	ug/l	98
31) 2,2-Dichloropropane	6.83	77	178528	16.44	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	234652	20.29	ug/l	100
33) Carbon Tetrachloride	7.78	117	207717	20.15	ug/l	100
34) Benzene	8.04	78	629588	21.10	ug/l	99
35) Methacrylonitrile	7.18	41	64056	18.25	ug/l	99
36) 1,2-Dichloroethane	8.13	62	200586	20.48	ug/l	100
37) Trichloroethene	8.84	130	159726	20.41	ug/l	100
38) Methylcyclohexane	9.09	83	200373	19.35	ug/l	100
39) 1,2-Dichloropropane	9.12	63	167275	21.28	ug/l	98
40) Dibromomethane	9.21	93	99789	20.54	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050667.D
 Acq On : 15 Aug 2018 20:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 16 04:22:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	206744	20.18	ug/l	97
42) Vinyl Acetate	5.90	43	1480947	102.10	ug/l	100
43) Ethyl Acetate	6.94	43	129075	20.05	ug/l	93
44) Isopropyl Acetate	8.17	43	244897	20.54	ug/l	96
45) 1,4-Dioxane	9.20	88	31224	397.94	ug/l	96
46) Methyl methacrylate	9.20	41	105685	18.28	ug/l	99
47) n-amyl Acetate	12.07	43	175692	18.94	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	190665	19.52	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	225302	19.63	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	144642	20.75	ug/l	98
51) Ethyl methacrylate	10.43	69	164923	19.49	ug/l	99
52) 1,3-Dichloropropane	10.71	76	237381	20.73	ug/l	98
53) Dibromochloromethane	10.90	129	157587	19.92	ug/l	99
54) 1,2-Dibromoethane	11.01	107	135964	19.91	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	392331	102.44	ug/l	100
56) Bromoform	12.13	173	108421	19.41	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	829257	129.95	ug/l	99
59) 2-Hexanone	10.75	43	528908	121.49	ug/l	100
61) Tetrachloroethene	10.63	164	150573	20.27	ug/l	97
62) Toluene	10.16	91	663998	21.22	ug/l	100
64) Chlorobenzene	11.44	112	396918	20.92	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	154447	20.87	ug/l	98
66) Ethyl Benzene	11.51	91	649661	20.32	ug/l	99
67) m/p-Xylenes	11.62	106	516054	41.94	ug/l	99
68) o-Xylene	11.95	106	240025	20.50	ug/l	99
69) Styrene	11.97	104	392229	20.90	ug/l	99
70) Isopropylbenzene	12.25	105	641296	20.57	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	179823	21.00	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	202797	27.73	ug/l	53
73) Bromobenzene	12.53	156	167563	20.17	ug/l	99
74) n-propylbenzene	12.59	91	722870	19.90	ug/l	99
75) 2-Chlorotoluene	12.68	91	445361	20.42	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	528661	20.64	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39036	16.33	ug/l	97
78) 4-Chlorotoluene	12.77	91	437017	20.22	ug/l	99
79) tert-butylbenzene	12.99	119	442265	20.20	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	534711	20.61	ug/l	100
81) sec-Butylbenzene	13.17	105	586742	19.73	ug/l	99
82) p-Isopropyltoluene	13.29	119	493889	19.46	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	284799	19.69	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	267173	19.55	ug/l	99
85) n-Butylbenzene	13.62	91	367933	17.86	ug/l	99
86) Hexachloroethane	13.88	117	95650	18.86	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	280907	19.87	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25144	18.85	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	117497	17.40	ug/l	99
90) Hexachlorobutadiene	15.01	225	83000	18.64	ug/l	99
91) Naphthalene	15.14	128	235231	18.75	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	121560	17.70	ug/l	99

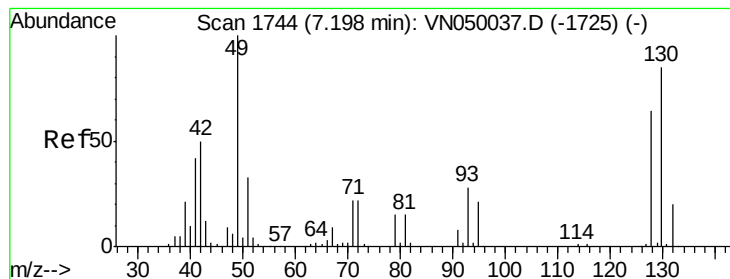
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050667.D
Acq On : 15 Aug 2018 20:35
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Aug 16 04:22:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

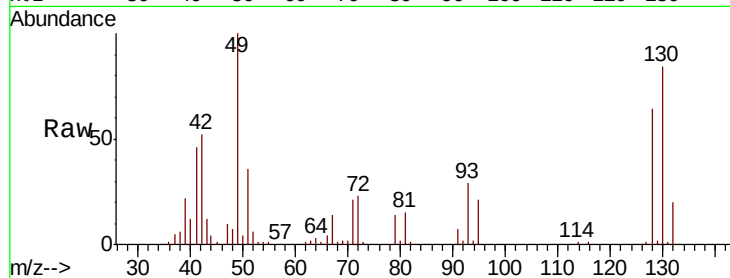
Tot Ion:128 Resp: 120941

Ion Ratio Lower Upper

128 100

49 153.9 0.0 378.3

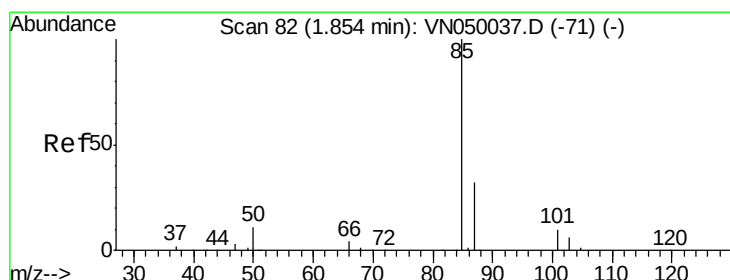
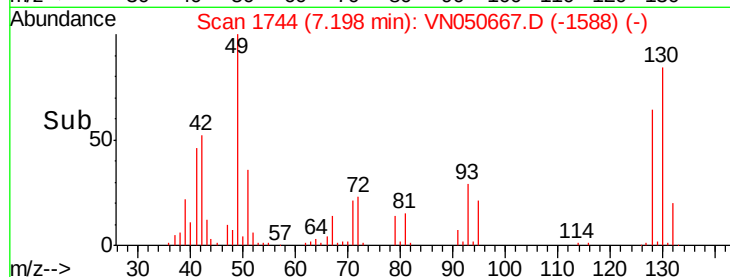
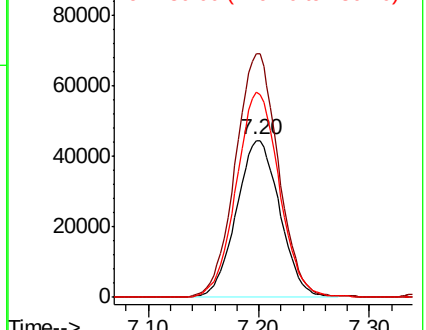
130 129.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.75 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050667.D

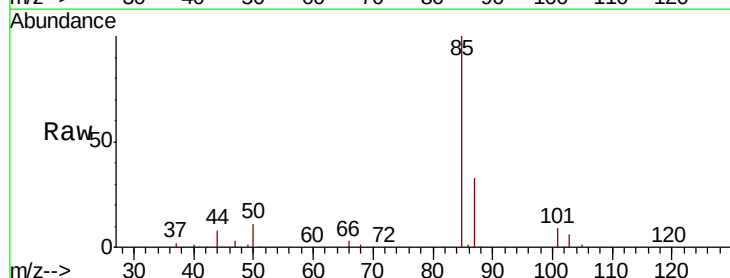
Acq: 15 Aug 2018 20:35

Tgt Ion: 85 Resp: 131242

Ion Ratio Lower Upper

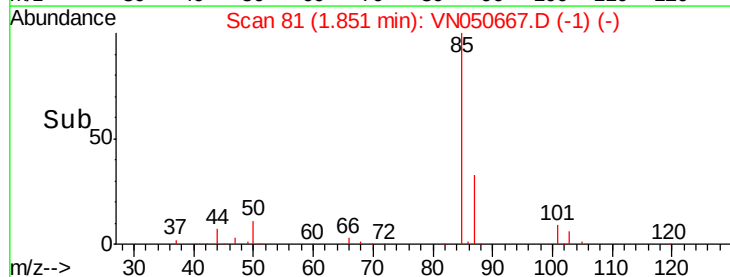
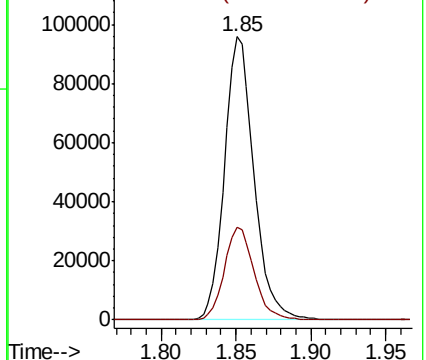
85 100

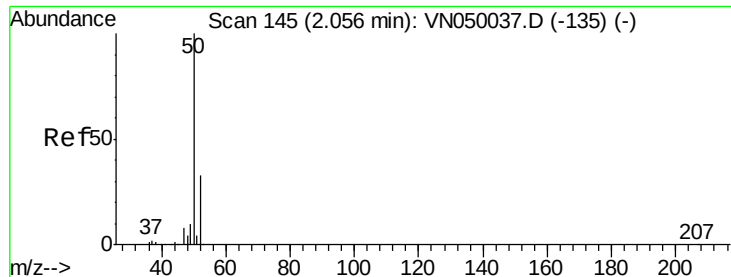
87 32.6 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.69 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

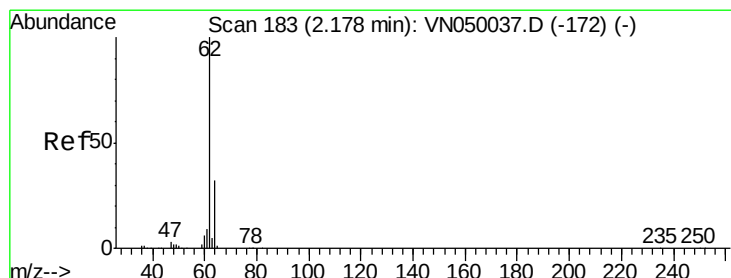
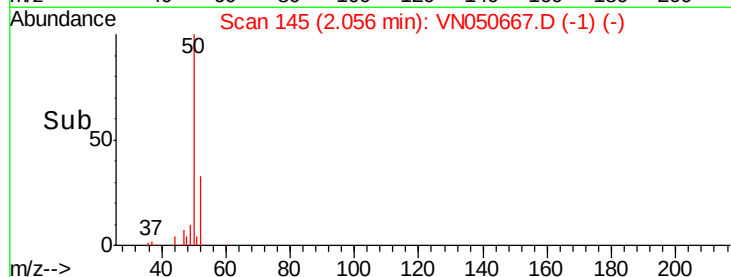
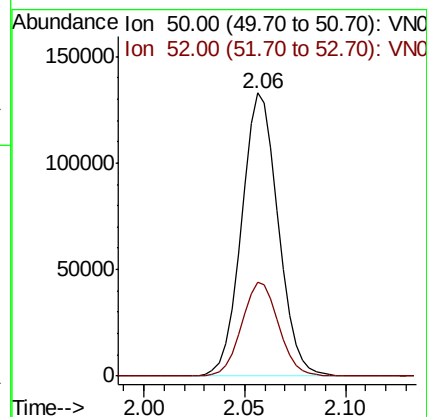
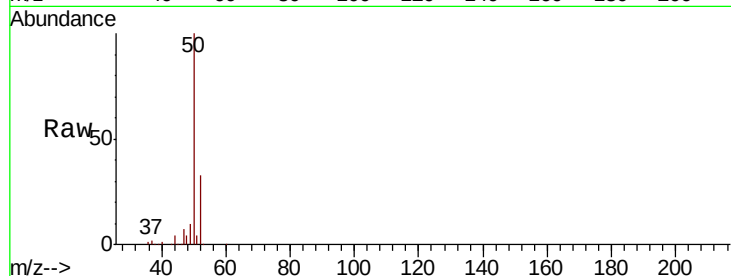
VSTDCCC020

Tot Ion: 50 Resp: 169160

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050667.D

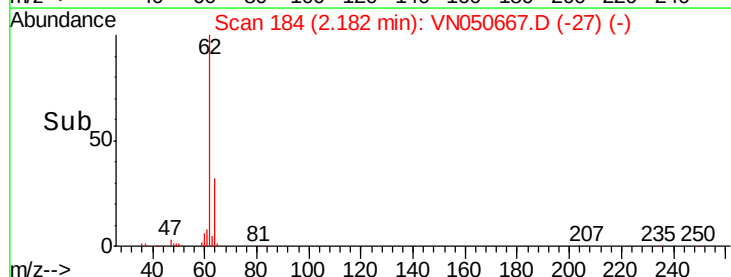
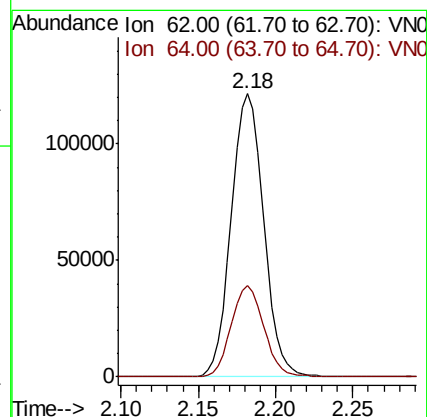
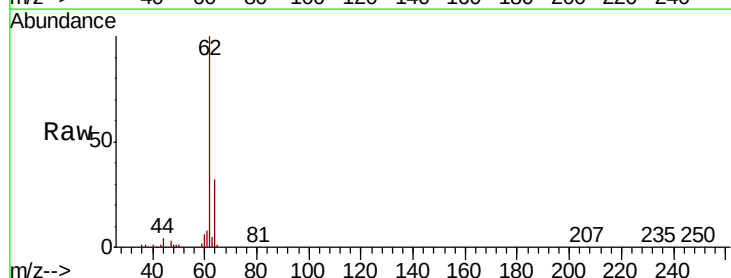
Acq: 15 Aug 2018 20:35

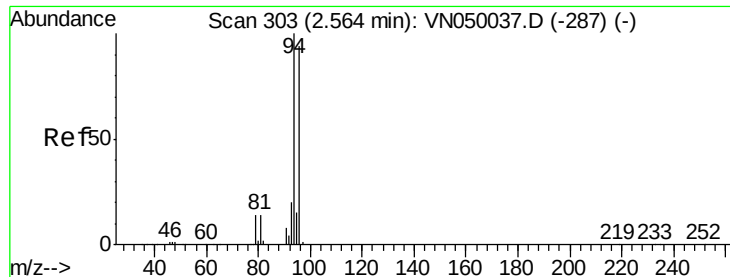
Tgt Ion: 62 Resp: 177014

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 17.66 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

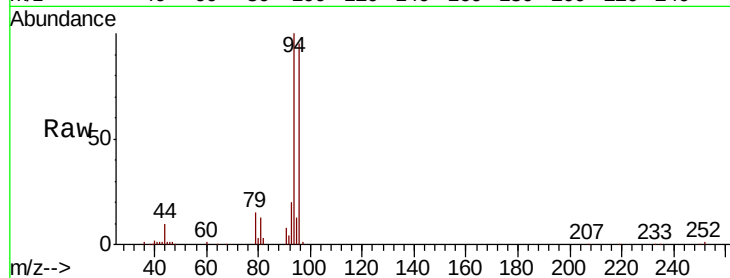
VSTDCCC020

Tot Ion: 94 Resp: 98493

Ion Ratio Lower Upper

94 100

96 94.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.56

60000

50000

40000

30000

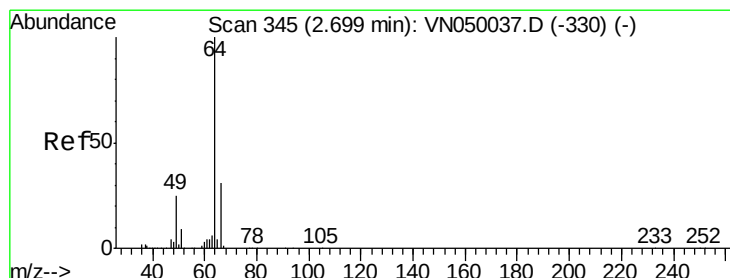
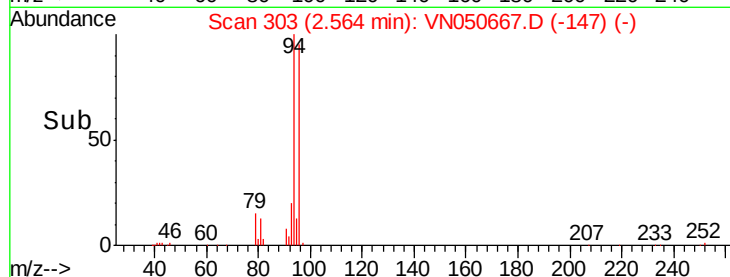
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.06 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050667.D

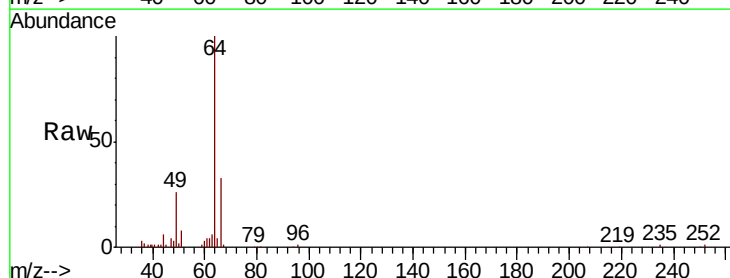
Acq: 15 Aug 2018 20:35

Tgt Ion: 64 Resp: 108540

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

60000

50000

40000

30000

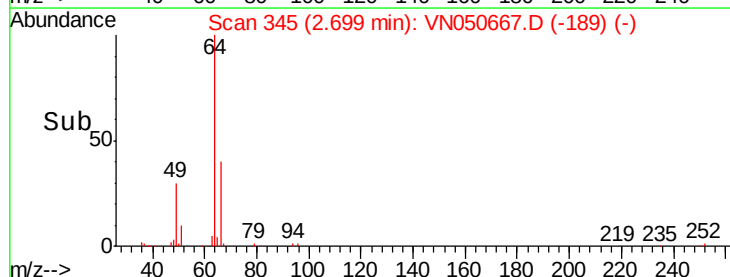
20000

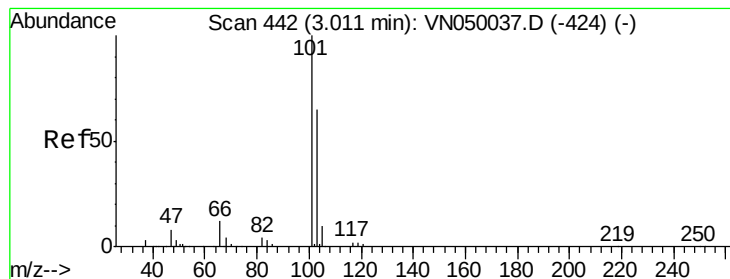
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



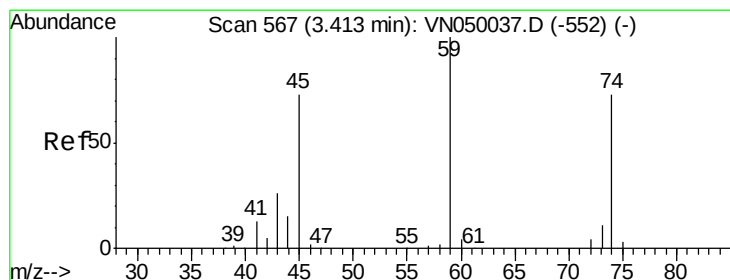
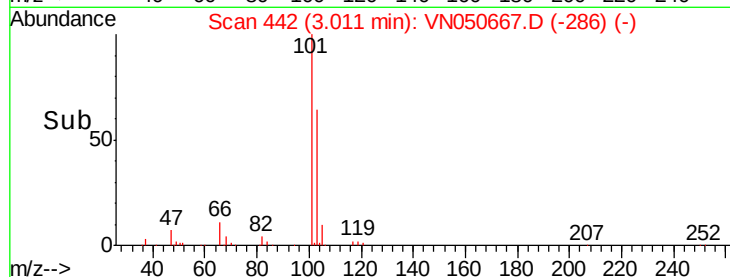
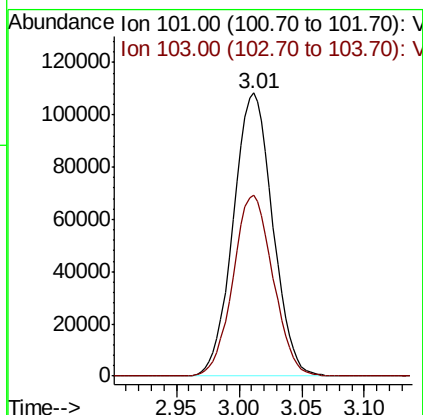
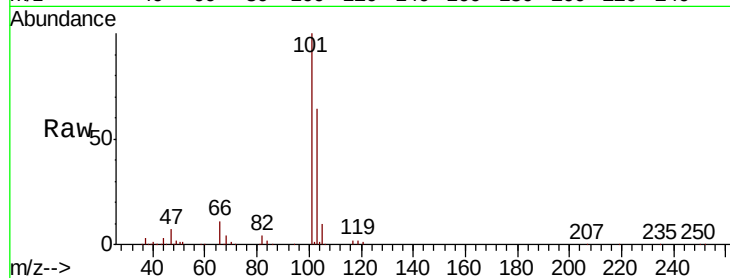


#7

Trichlorofluoromethane
 Concen: 19.81 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

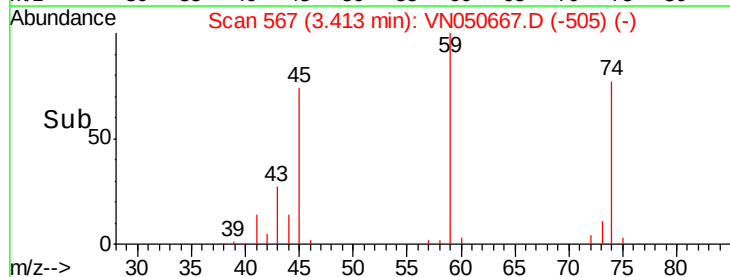
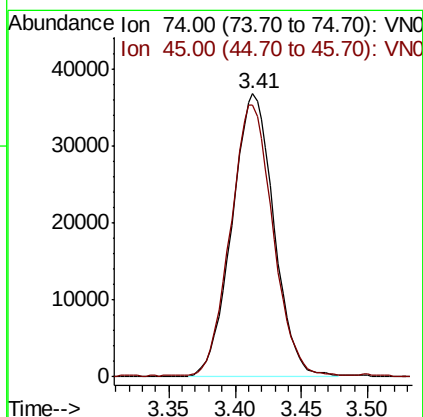
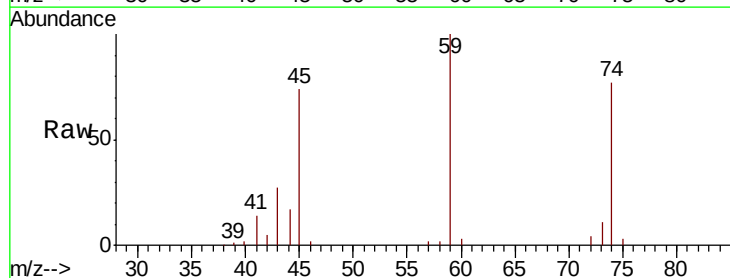
Tot Ion:101 Resp: 236823
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.5 77.3

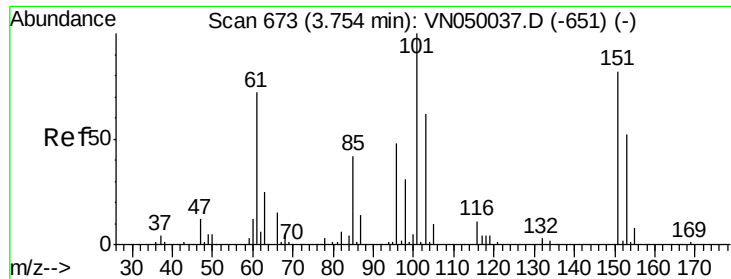


#8

Diethyl Ether
 Concen: 20.19 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 74 Resp: 80956
 Ion Ratio Lower Upper
 74 100
 45 96.7 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.84 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

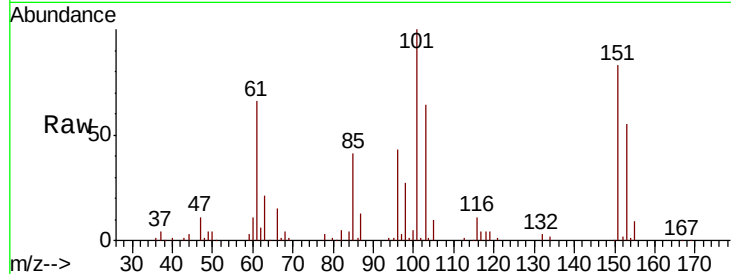
Tot Ion:101 Resp: 144286

Ion Ratio Lower Upper

101 100

85 41.8 0.0 83.0

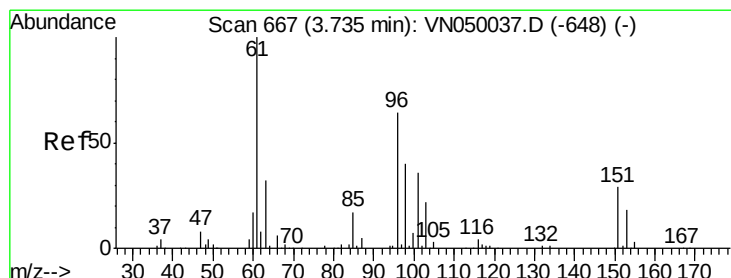
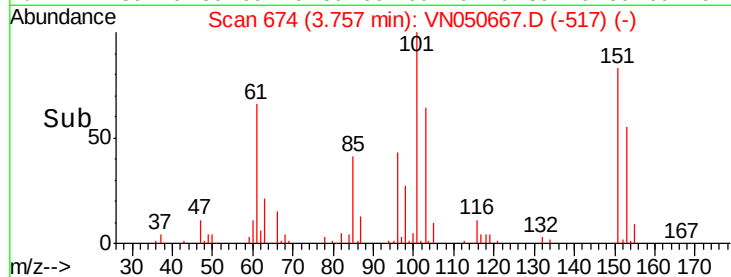
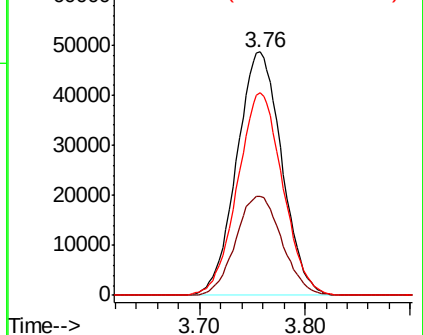
151 83.9 0.0 166.8



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: 19.60 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

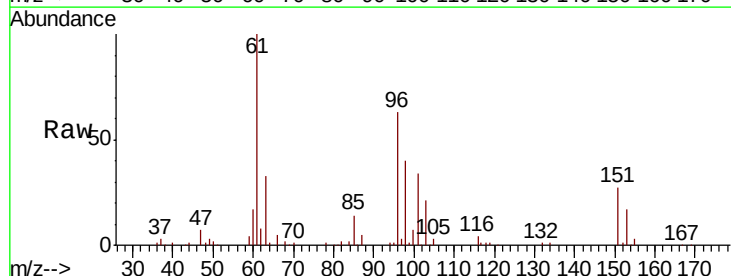
Tgt Ion: 96 Resp: 126364

Ion Ratio Lower Upper

96 100

61 157.7 130.6 195.8

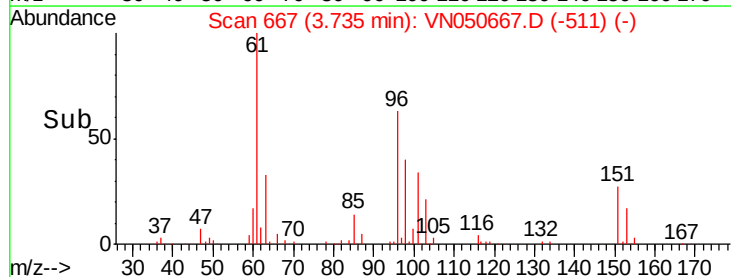
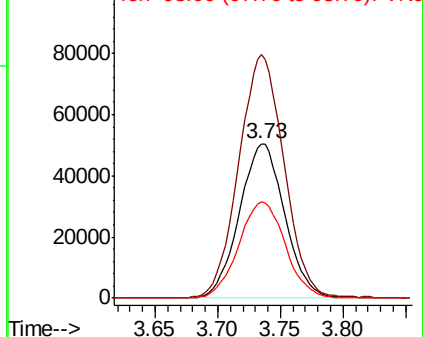
98 62.8 53.5 80.3

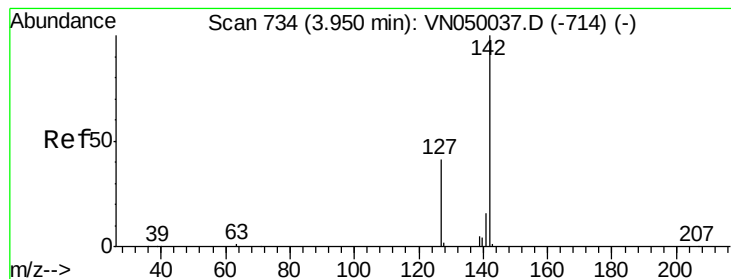


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 8.67 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

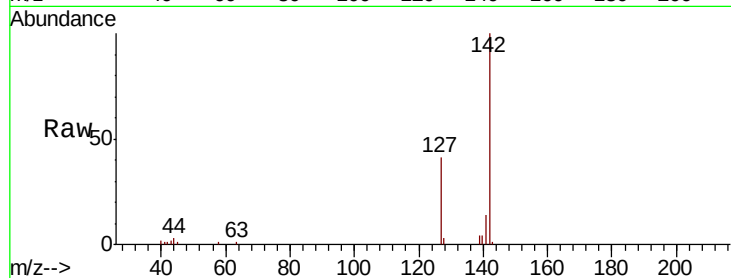
Tot Ion:142 Resp: 82220

Ion Ratio Lower Upper

142 100

127 41.1 20.2 60.5

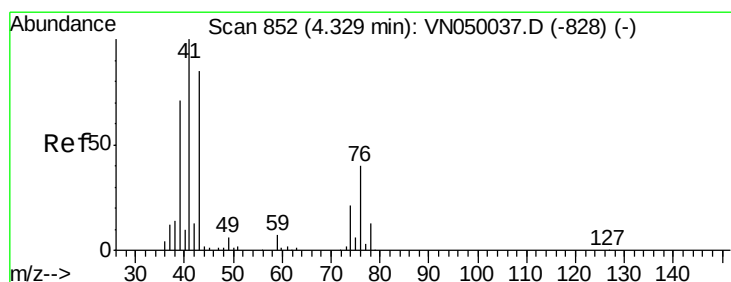
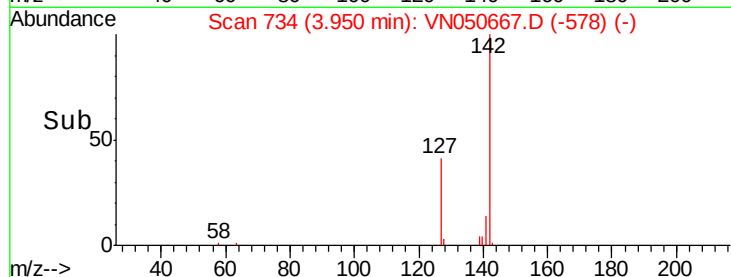
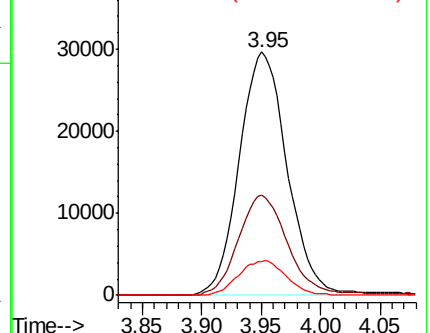
141 14.1 6.9 20.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 17.46 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050667.D

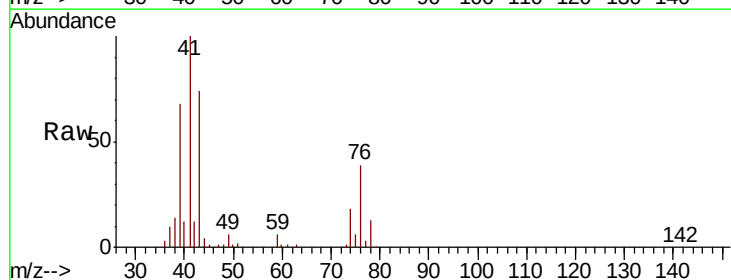
Acq: 15 Aug 2018 20:35

Tgt Ion: 43 Resp: 128998

Ion Ratio Lower Upper

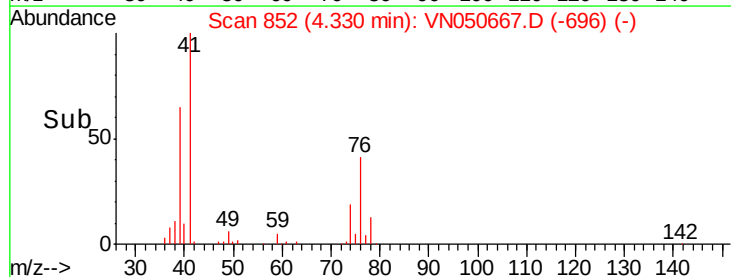
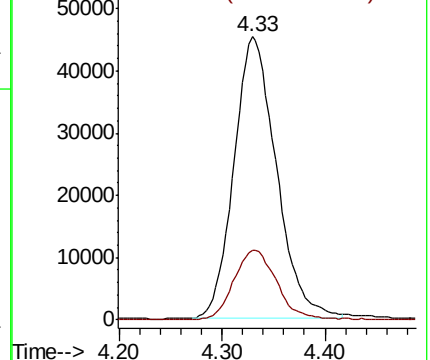
43 100

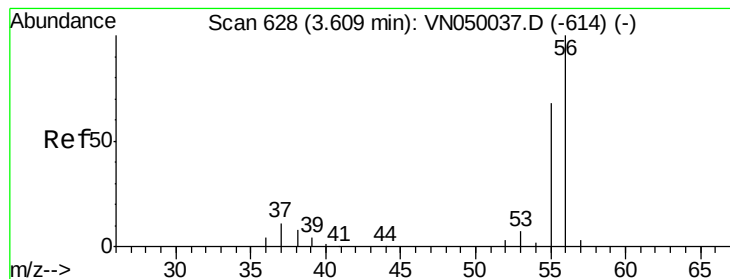
74 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 28.95 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

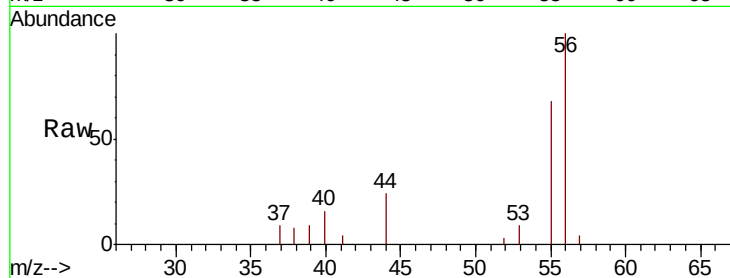
VSTDCCC020

Tot Ion: 56 Resp: 13217

Ion Ratio Lower Upper

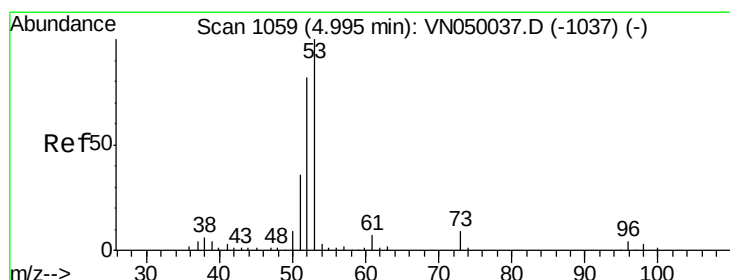
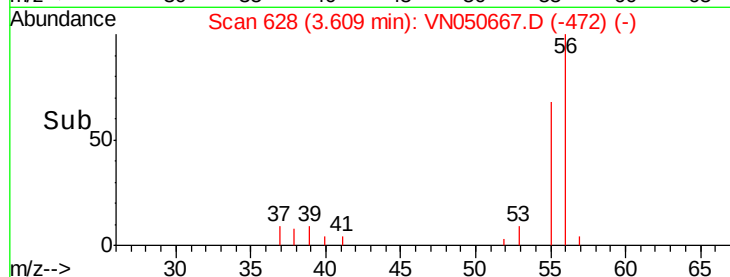
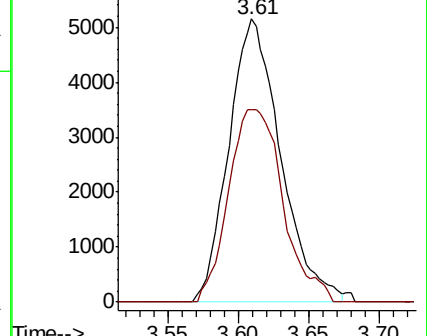
56 100

55 71.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.06 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

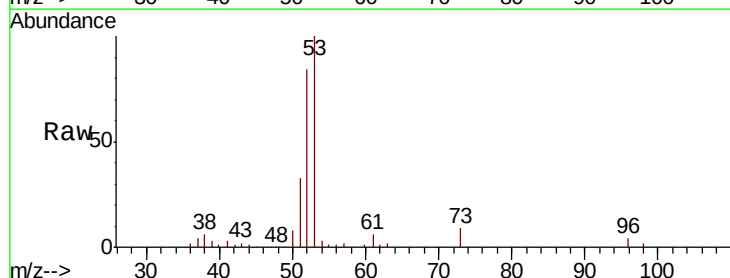
Tgt Ion: 53 Resp: 249086

Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.5

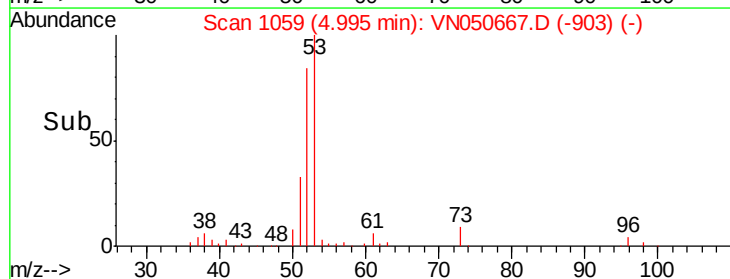
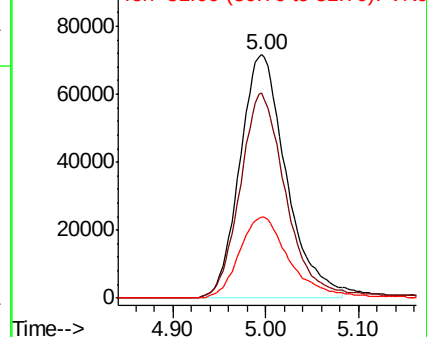
51 35.8 18.7 56.1

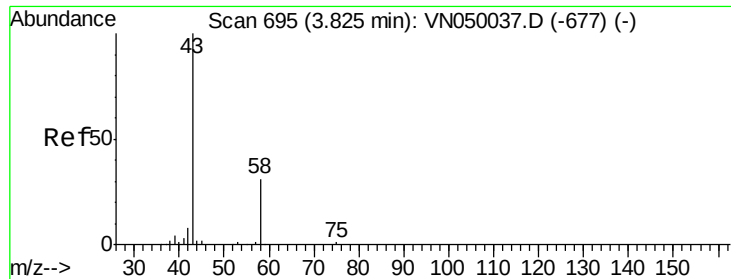


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 121.07 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

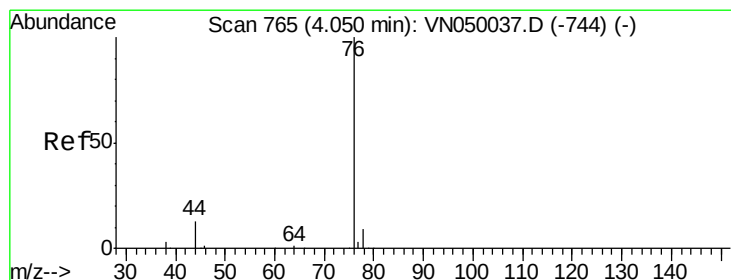
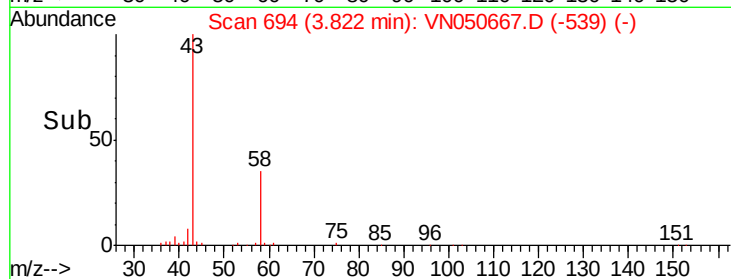
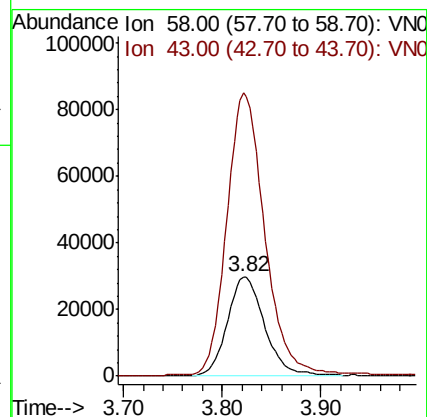
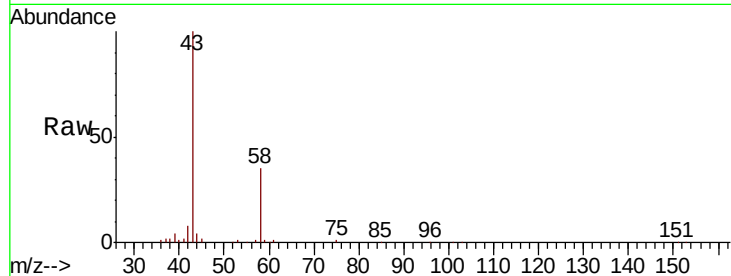
VSTDCCC020

Tot Ion: 58 Resp: 79306

Ion Ratio Lower Upper

58 100

43 283.1 252.0 378.0



#16

Carbon Disulfide

Concen: 20.13 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050667.D

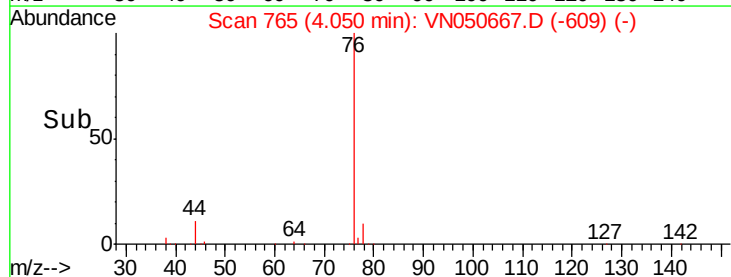
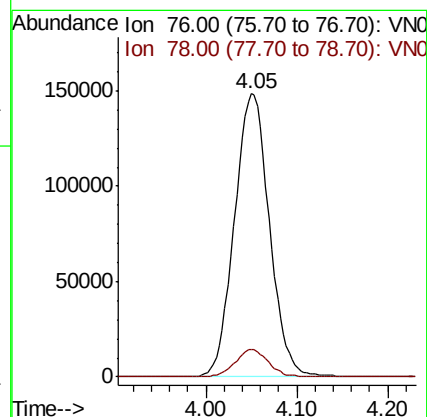
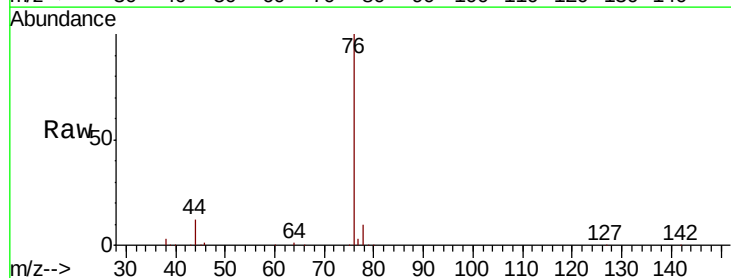
Acq: 15 Aug 2018 20:35

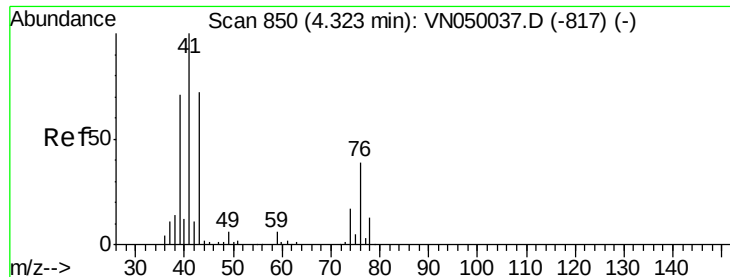
Tgt Ion: 76 Resp: 397167

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9

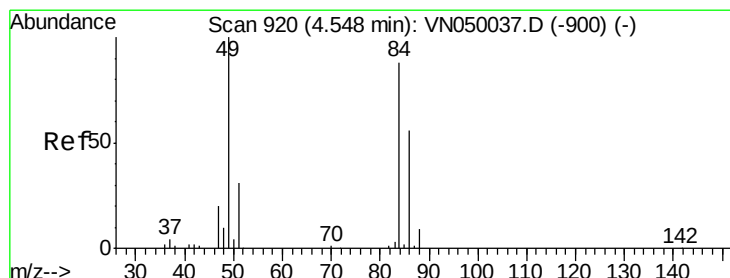
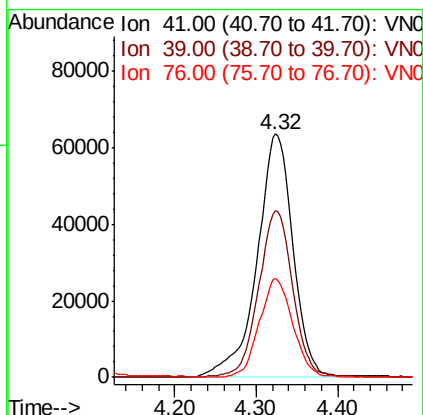
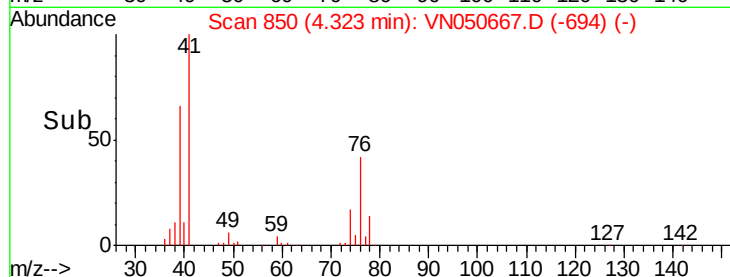
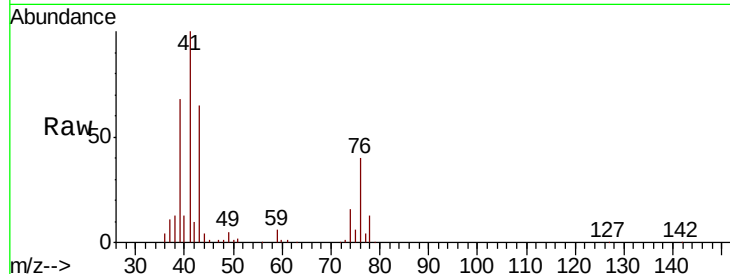




#17
Allvl chloride
Concen: 19.21 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

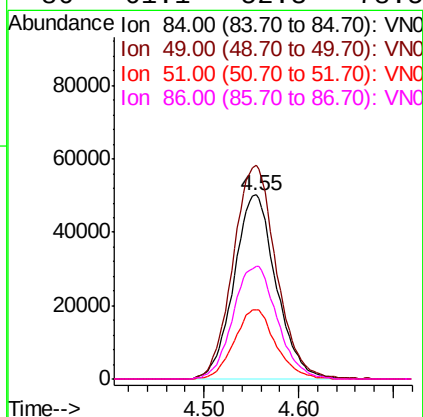
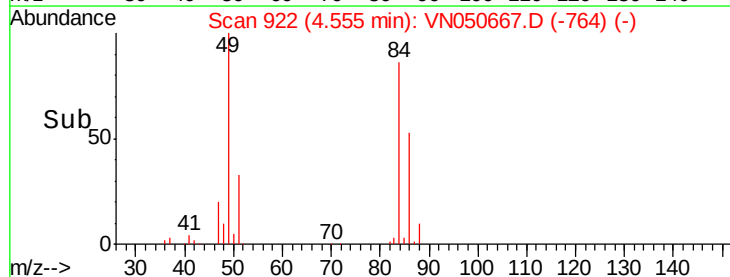
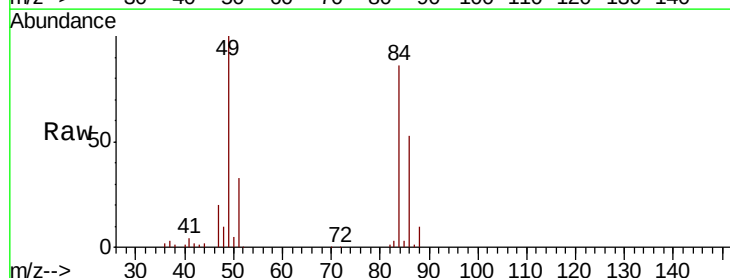
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

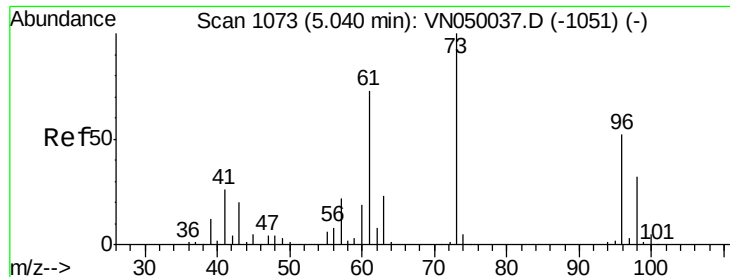
Tot Ion: 41 Resp: 195654
Ion Ratio Lower Upper
41 100
39 68.3 35.4 106.3
76 40.1 19.7 59.1



#18
Methylene Chloride
Concen: 20.91 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion: 84 Resp: 155559
Ion Ratio Lower Upper
84 100
49 115.9 95.1 142.7
51 37.7 28.8 43.2
86 61.1 52.3 78.5





#19

trans-1,2-Dichloroethene

Concen: 20.48 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

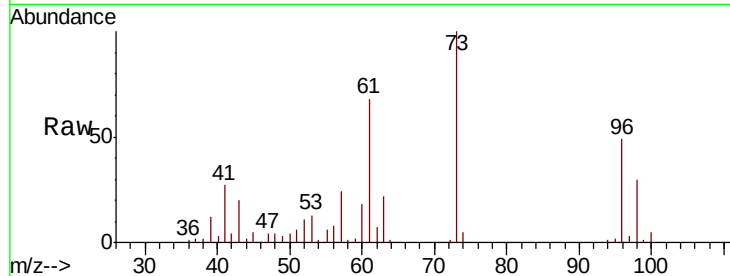
Tot Ion: 96 Resp: 141409

Ion Ratio Lower Upper

96 100

61 137.9 112.1 168.1

98 61.8 51.3 76.9

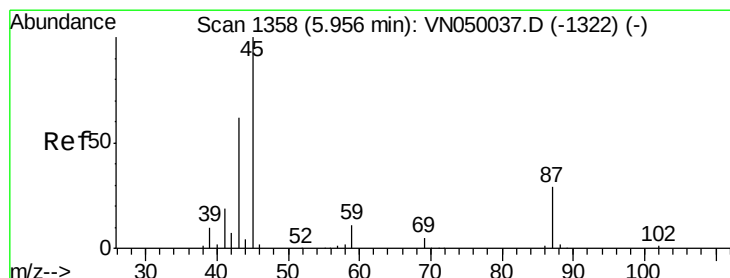
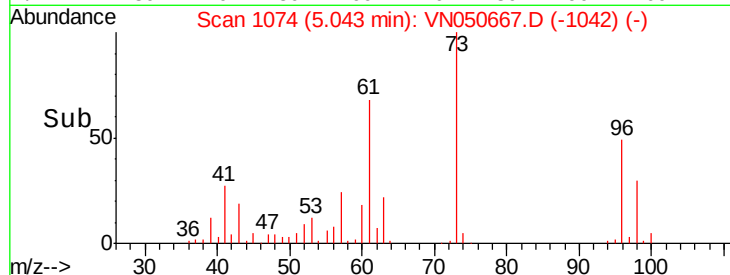
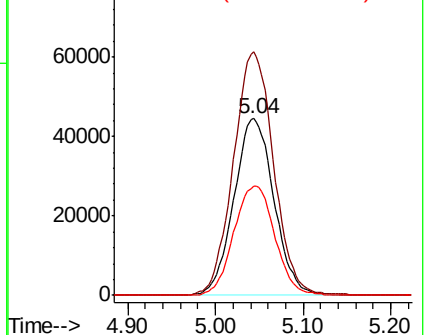


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 21.65 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion: 45 Resp: 452097

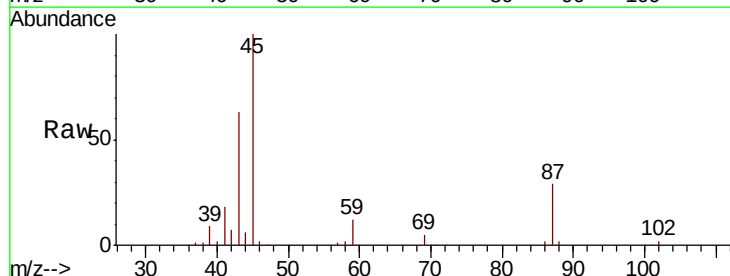
Ion Ratio Lower Upper

45 100

43 61.7 46.6 70.0

87 29.1 22.3 33.5

59 11.5 9.5 14.3



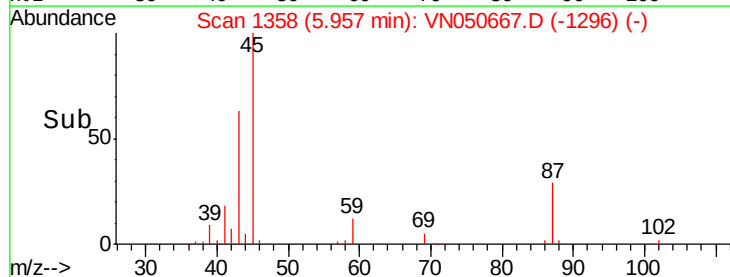
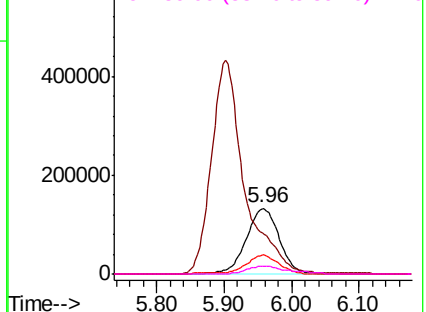
Abundance

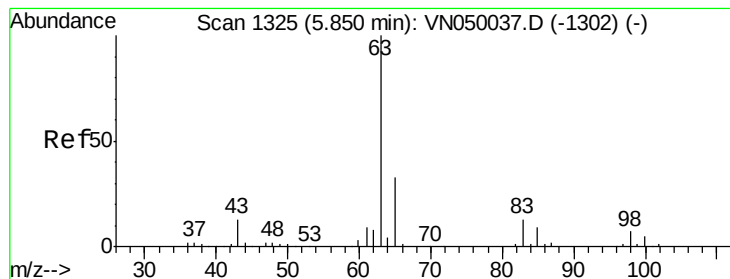
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

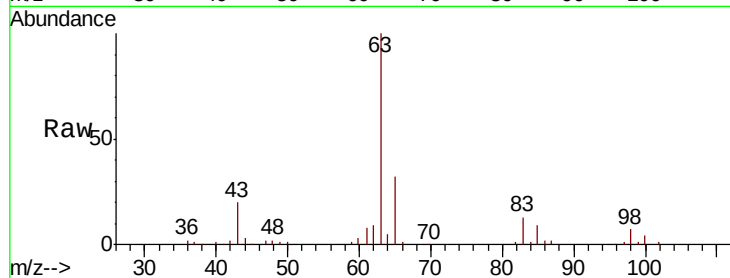
Tot Ion: 63 Resp: 271433

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.6

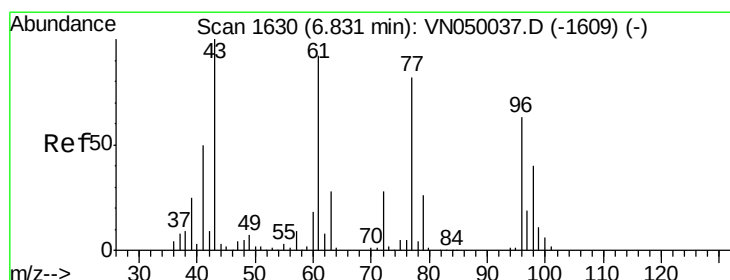
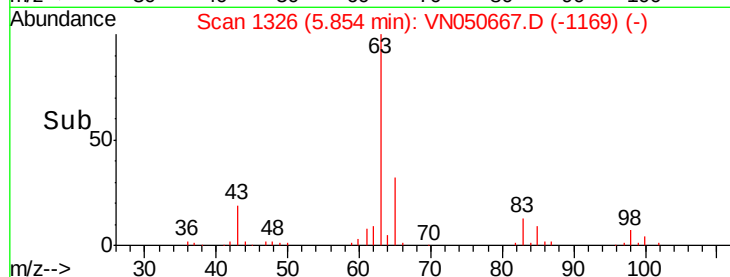
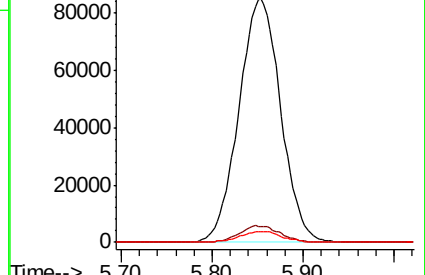
100 4.4 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.60 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

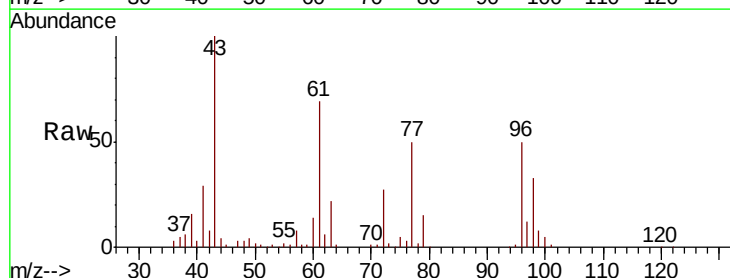
Tgt Ion: 96 Resp: 157679

Ion Ratio Lower Upper

96 100

61 141.0 114.2 171.2

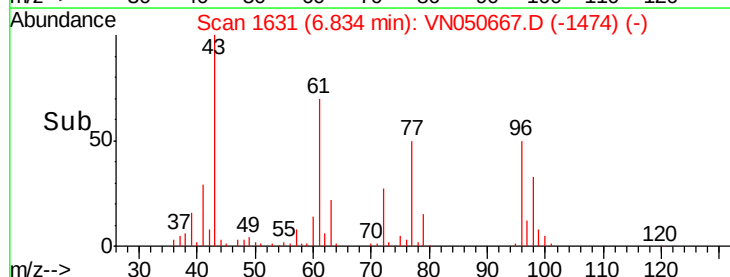
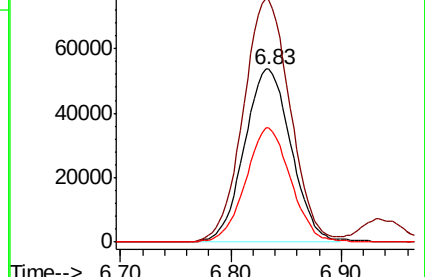
98 63.6 51.7 77.5

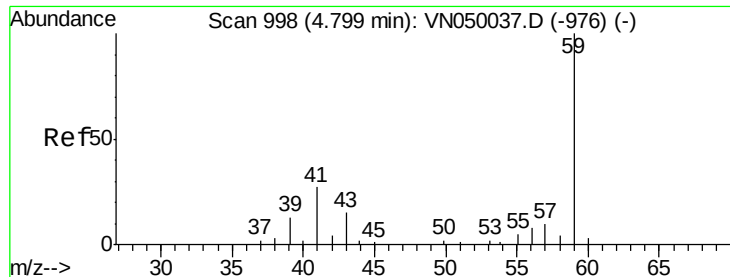


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

tert-Butyl Alcohol

Concen: 92.91 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

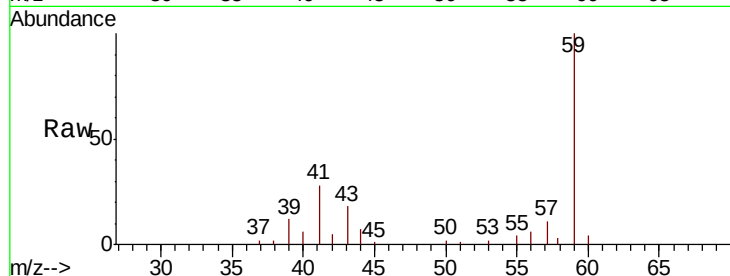
VSTDCCC020

Tot Ion: 59 Resp: 51171

Ion Ratio Lower Upper

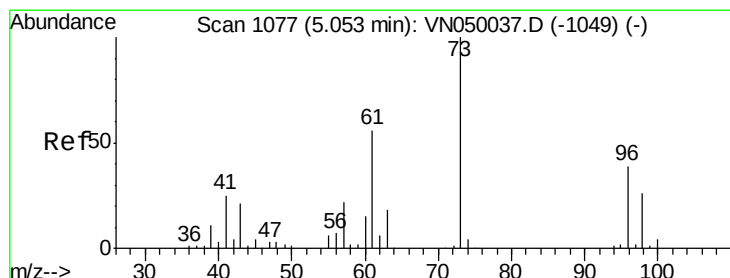
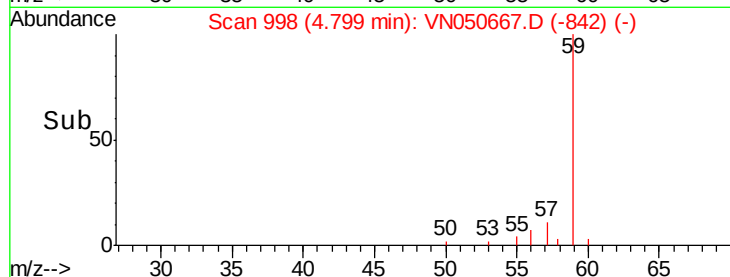
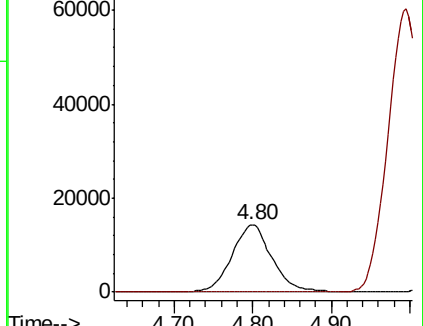
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.22 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050667.D

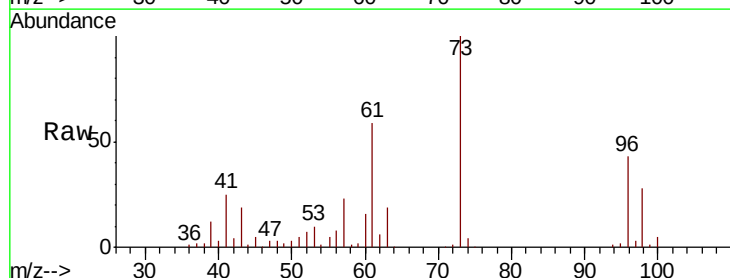
Acq: 15 Aug 2018 20:35

Tgt Ion: 73 Resp: 355647

Ion Ratio Lower Upper

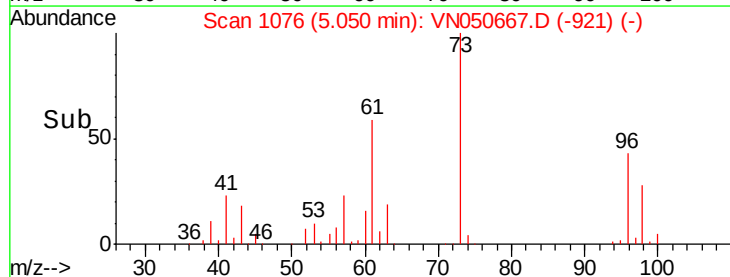
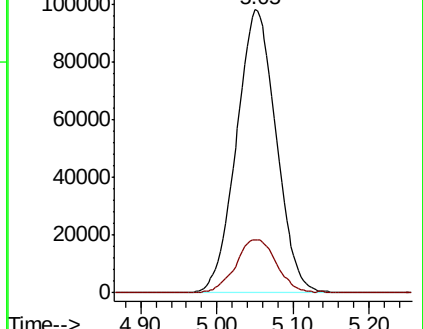
73 100

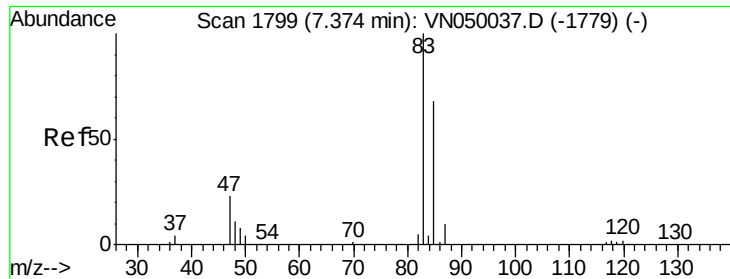
43 18.8 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

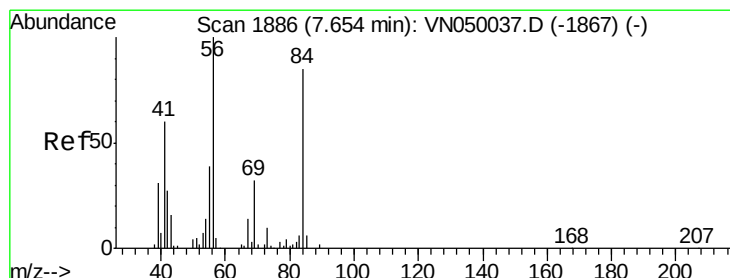
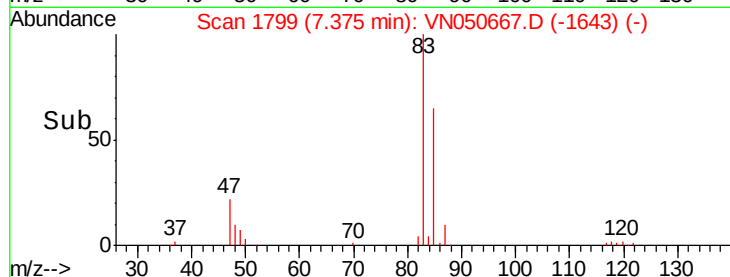
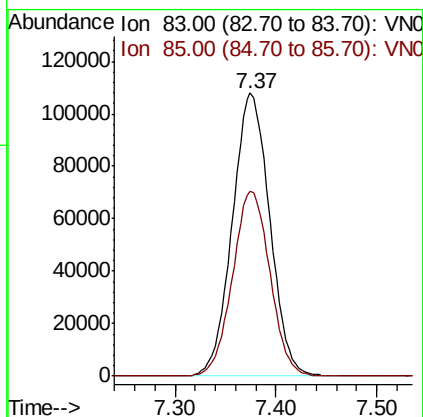
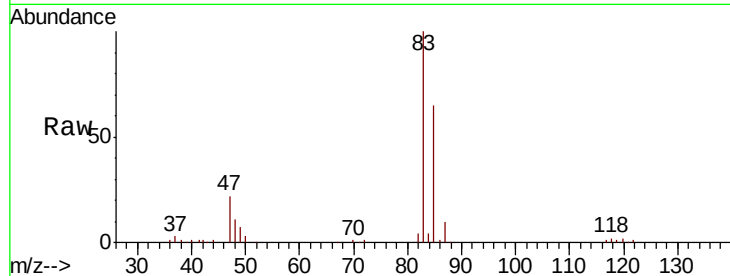




#25
Chloroform
Concen: 20.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

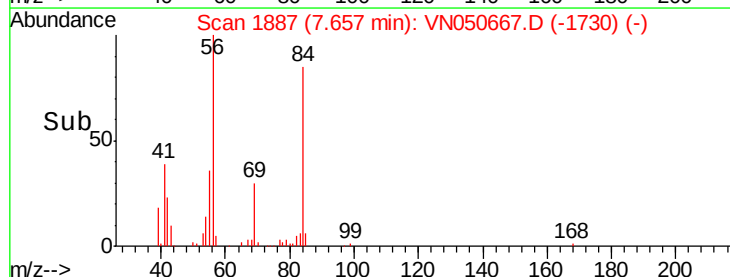
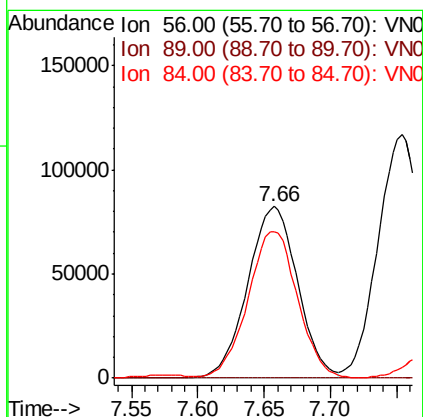
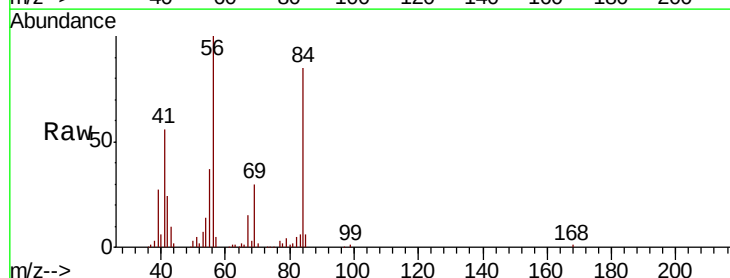
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

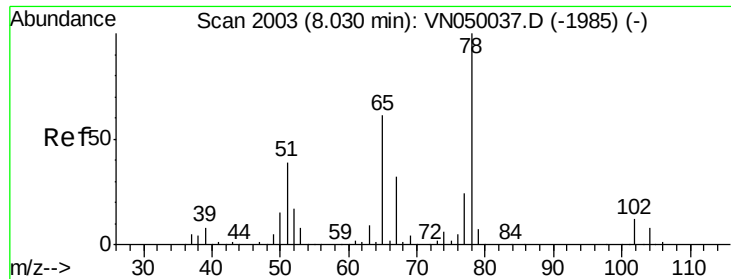
Tot Ion: 83 Resp: 278133
Ion Ratio Lower Upper
83 100
85 65.3 52.1 78.1



#26
Cyclohexane
Concen: 20.72 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion: 56 Resp: 216152
Ion Ratio Lower Upper
56 100
89 0.0 3.0 4.4#
84 85.2 69.8 104.8

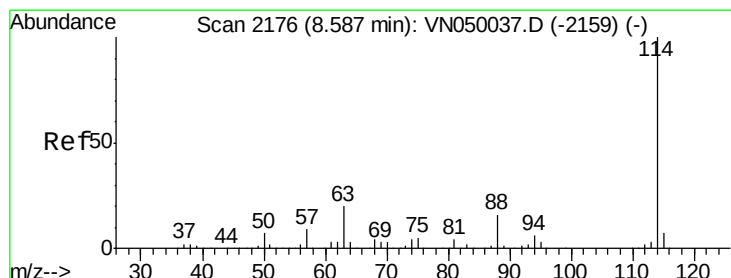
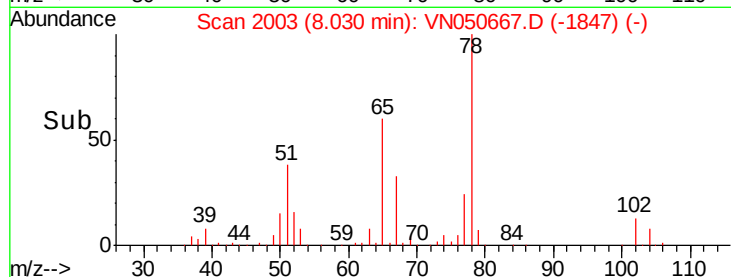
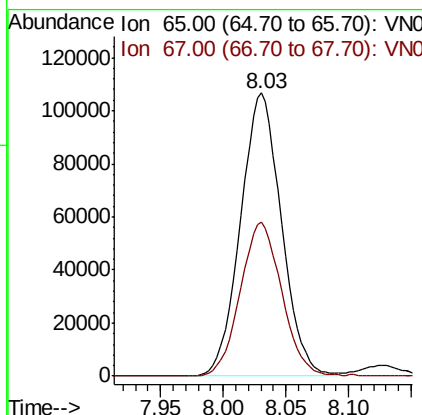
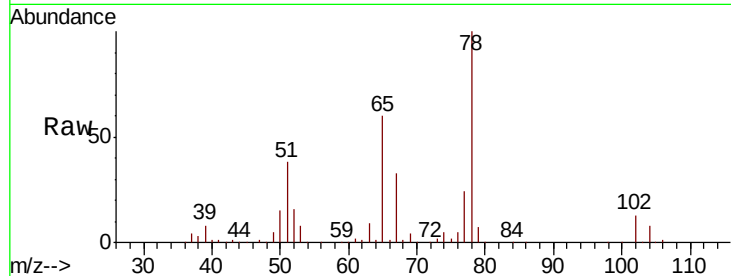




#27
 1,2-Dichloroethane-d4
 Concen: 29.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

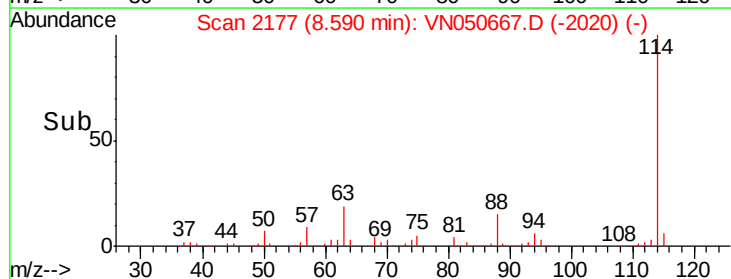
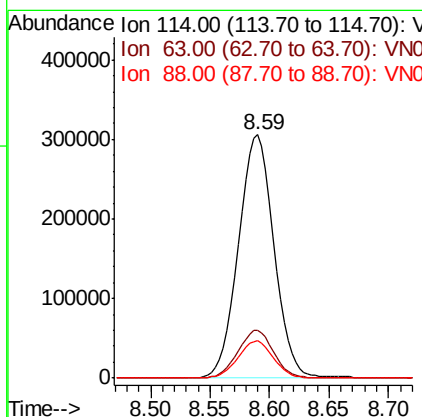
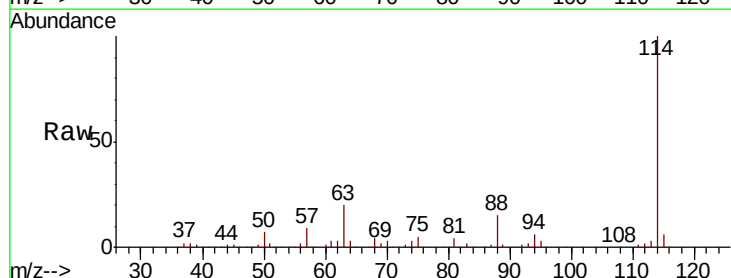
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

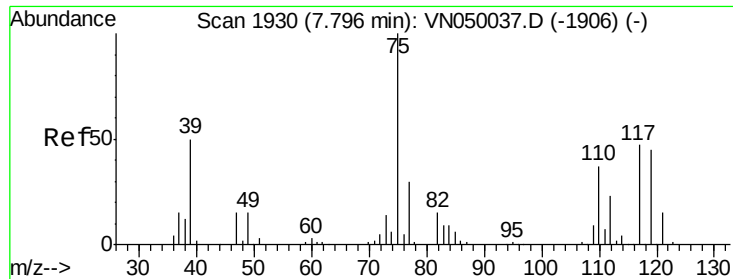
Tot Ion: 65 Resp: 242296
 Ion Ratio Lower Upper
 65 100
 67 55.1 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 114 Resp: 632973
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.3 12.3 18.5

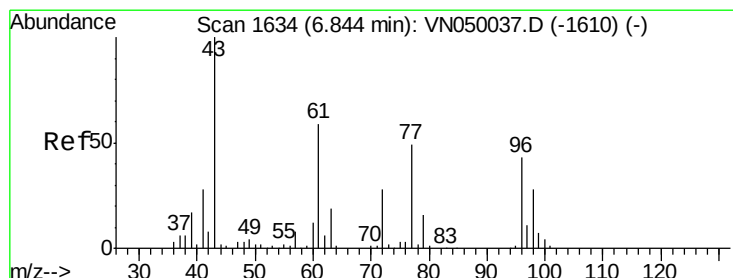
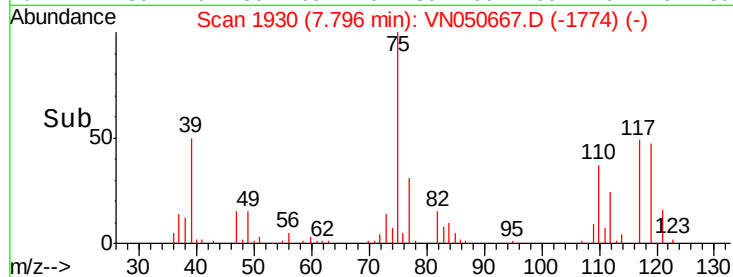
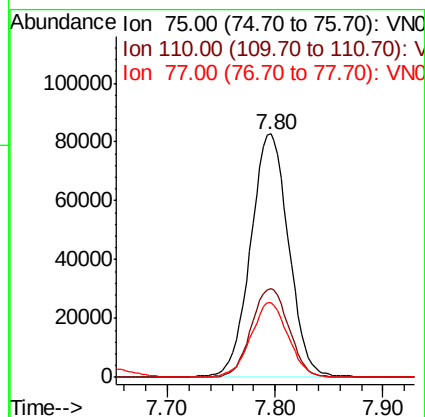
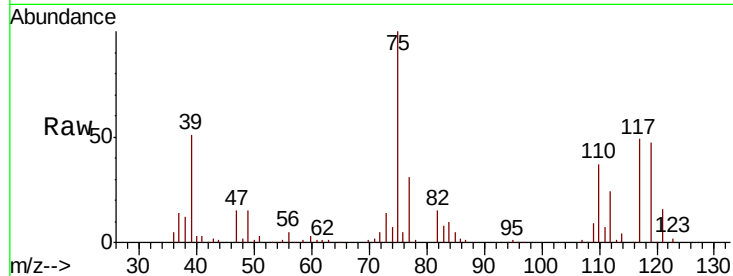




#29
 1,1-Dichloropropene
 Concen: 20.63 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

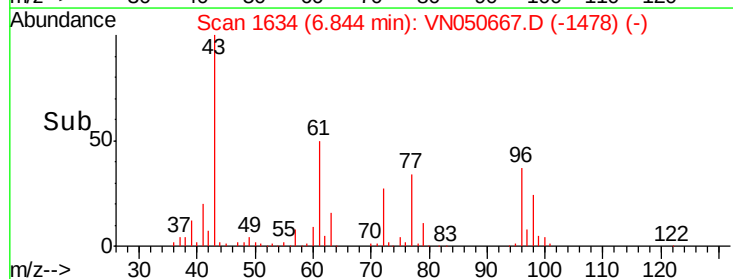
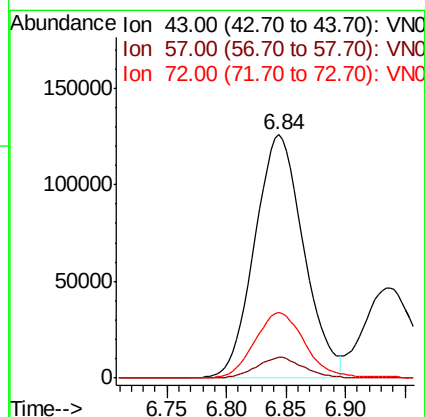
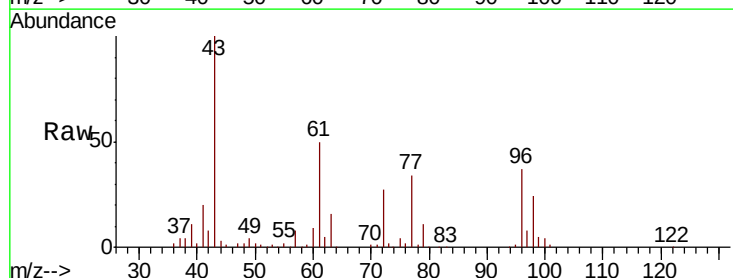
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

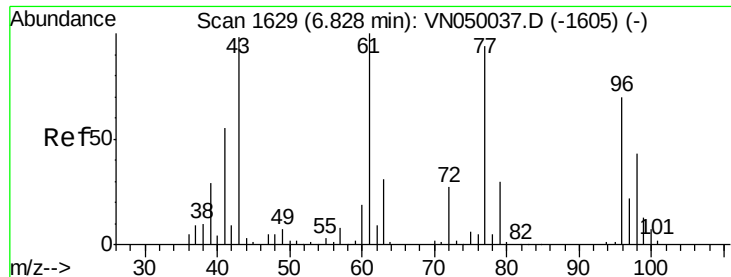
Tot Ion: 75 Resp: 202679
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 73.2
 77 30.4 0.0 62.0



#30
 2-Butanone
 Concen: 116.03 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 43 Resp: 357661
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.8 10.2
 72 27.9 21.4 32.0

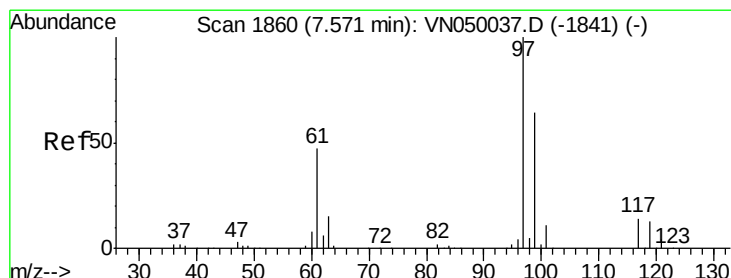
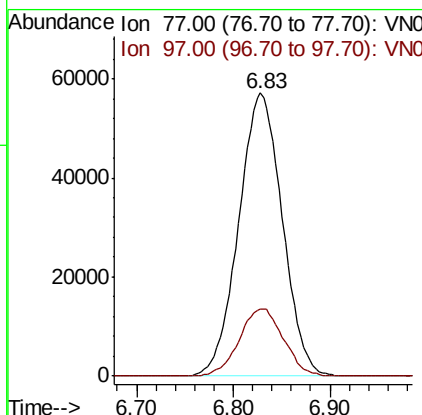
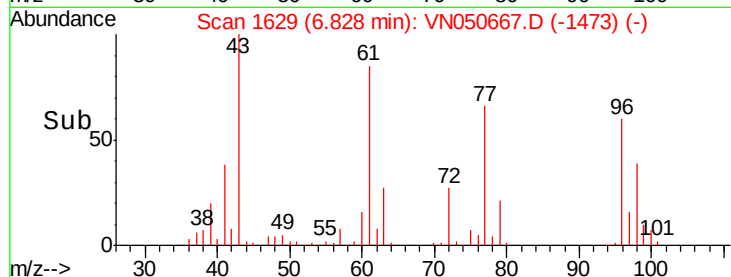
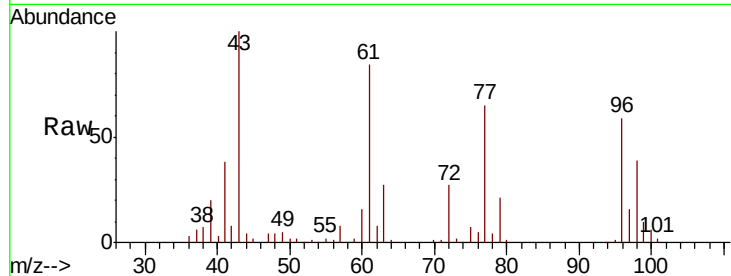




#31
 2,2-Dichloropropane
 Concen: 16.44 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

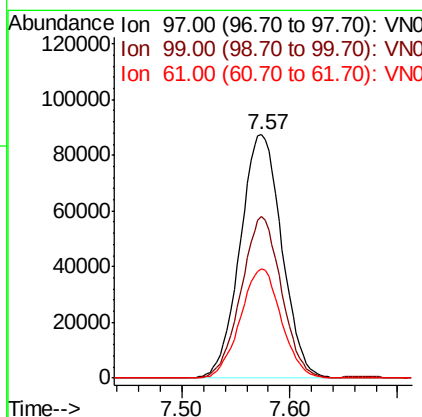
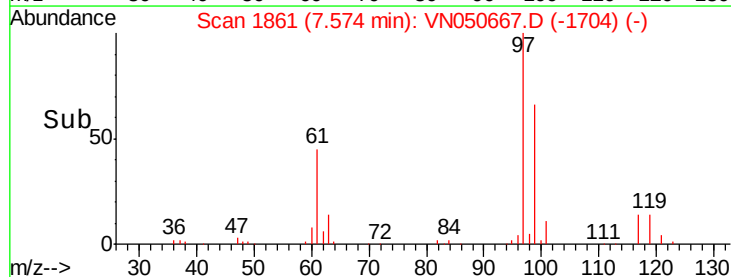
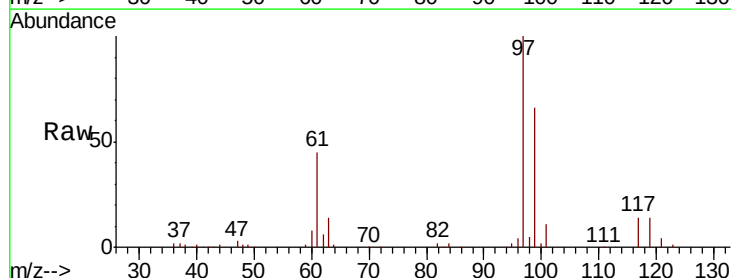
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

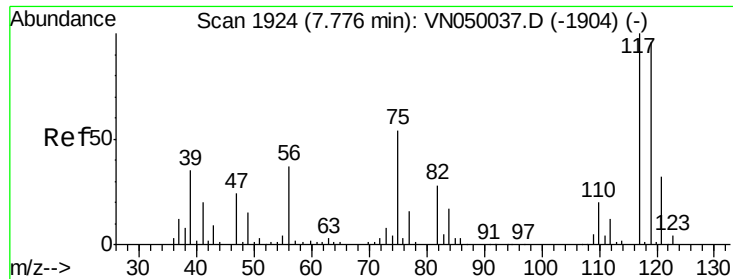
Tot Ion: 77 Resp: 178528
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 20.29 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 97 Resp: 234652
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 44.1 35.3 52.9





#33

Carbon Tetrachloride

Concen: 20.15 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

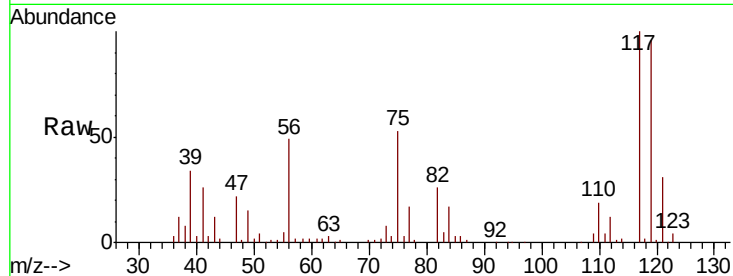
Tot Ion:117 Resp: 207717

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3

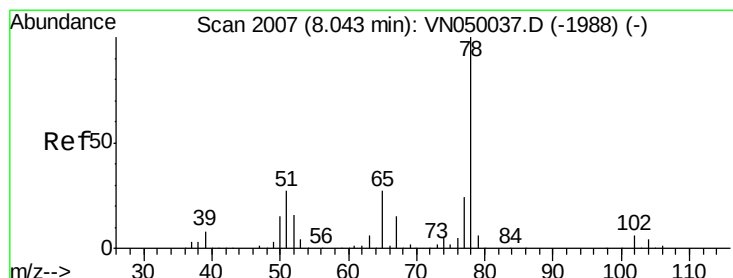
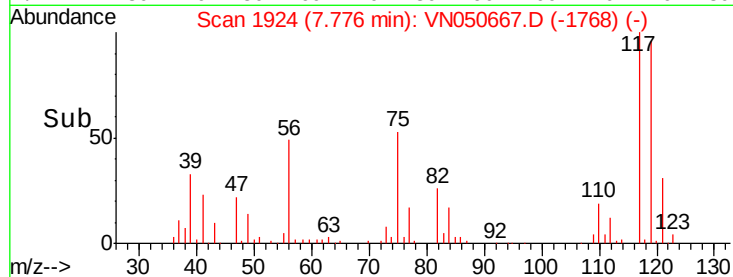
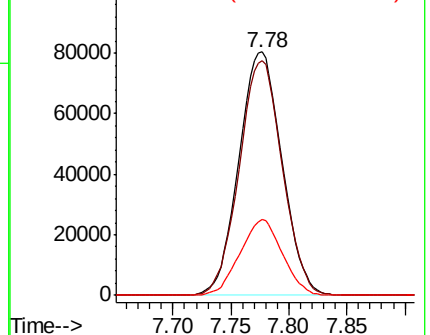
121 31.0 24.4 36.6



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: 21.10 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

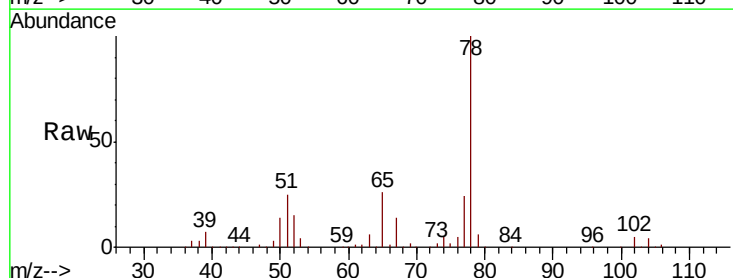
Tgt Ion: 78 Resp: 629588

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

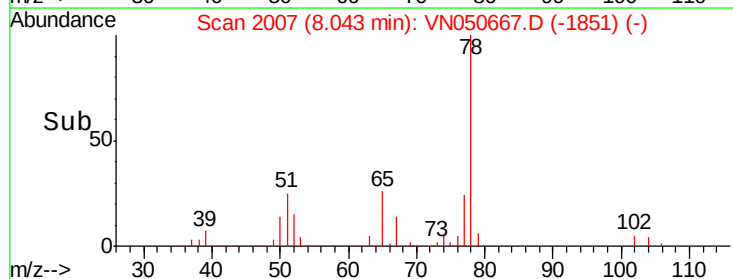
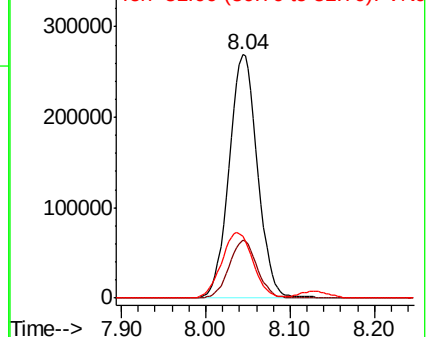
51 25.2 21.0 31.4

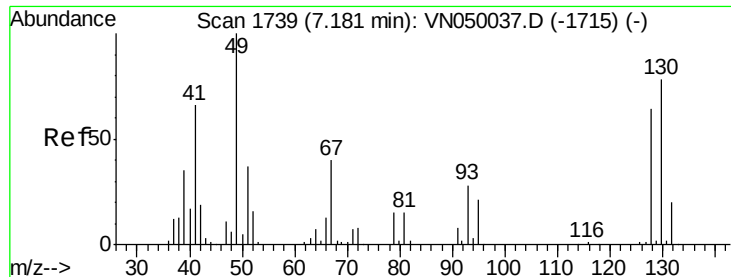


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

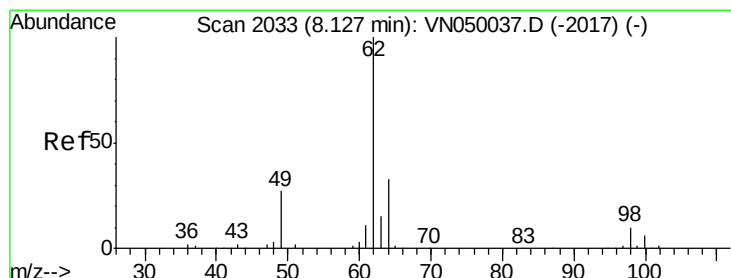
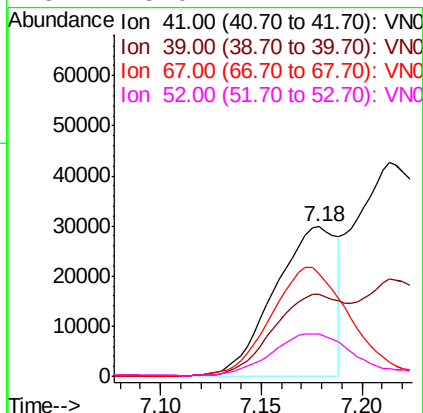
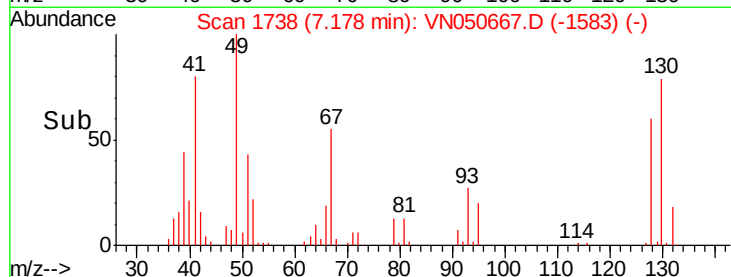
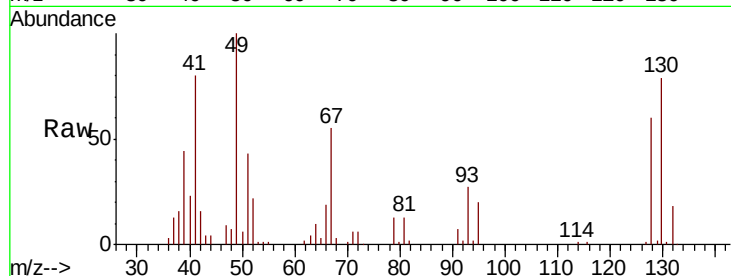




#35
Methacrylonitrile
Concen: 18.25 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

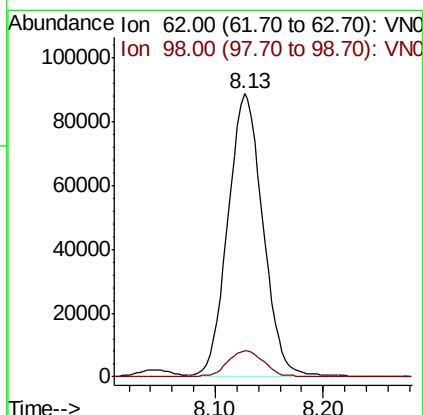
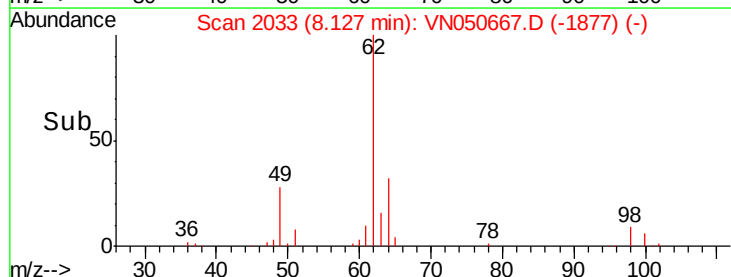
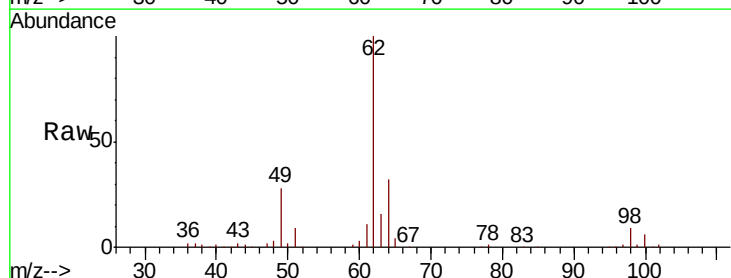
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

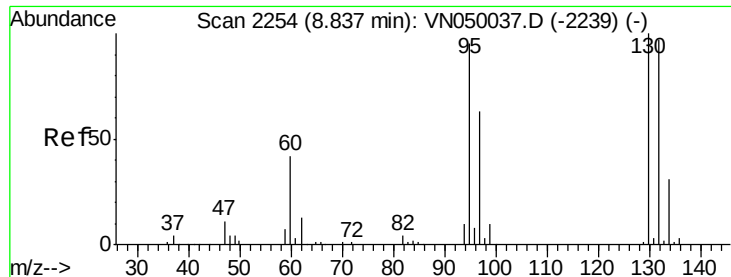
Tot Ion: 41 Resp: 64056
Ion Ratio Lower Upper
41 100
39 54.7 27.6 82.7
67 68.9 35.1 105.5
52 28.0 14.1 42.4



#36
1,2-Dichloroethane
Concen: 20.48 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion: 62 Resp: 200586
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6





#37

Trichloroethene

Concen: 20.41 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

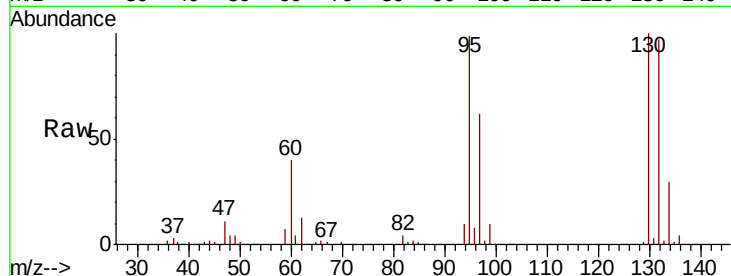
VSTDCCC020

Tot Ion:130 Resp: 159726

Ion Ratio Lower Upper

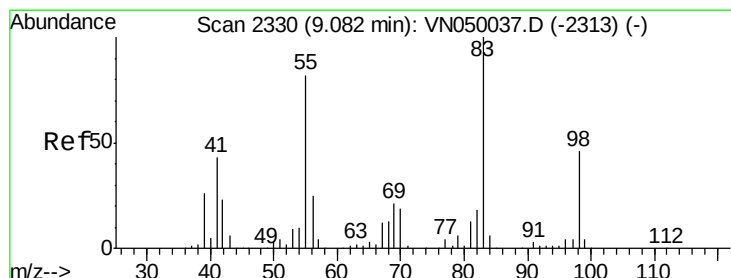
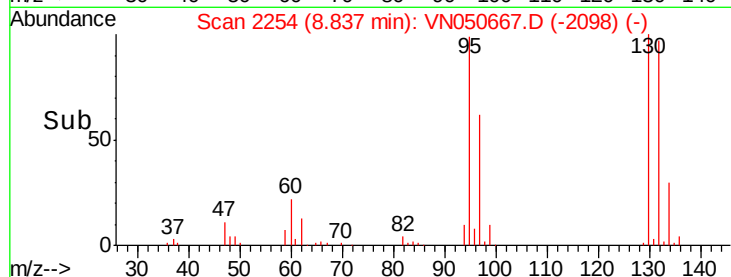
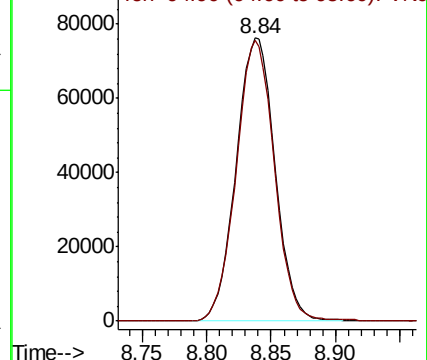
130 100

95 99.2 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.35 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

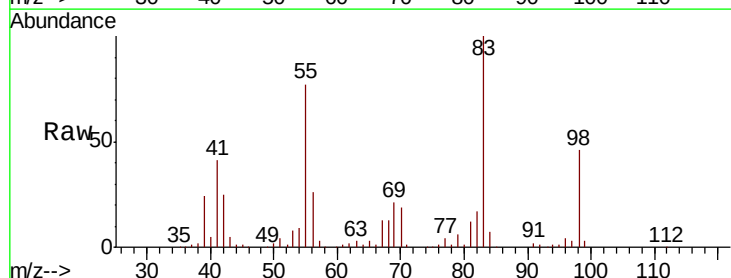
Tgt Ion: 83 Resp: 200373

Ion Ratio Lower Upper

83 100

55 78.2 39.3 117.8

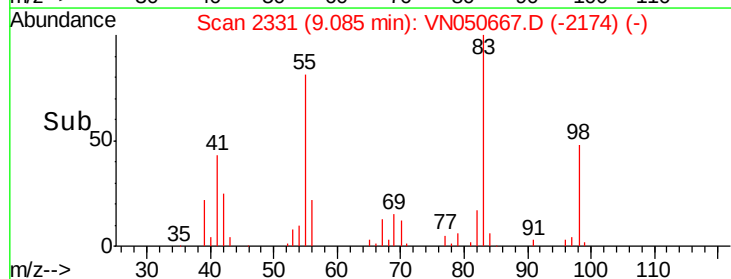
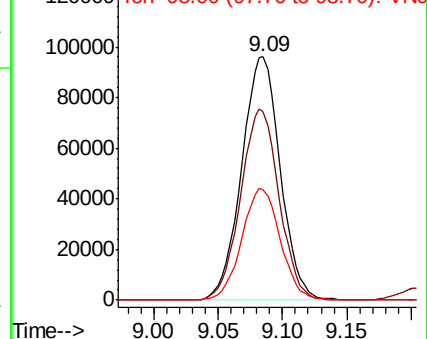
98 45.8 23.0 69.0

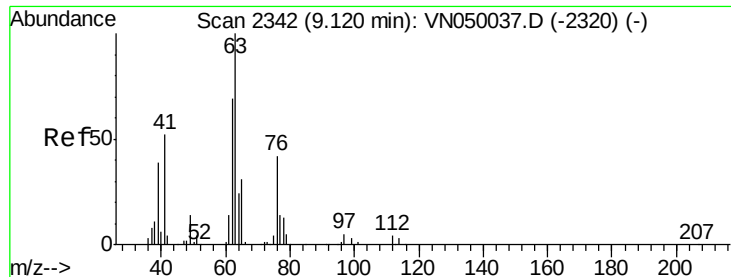


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 21.28 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

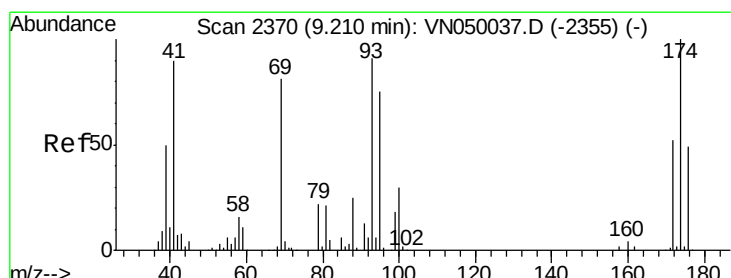
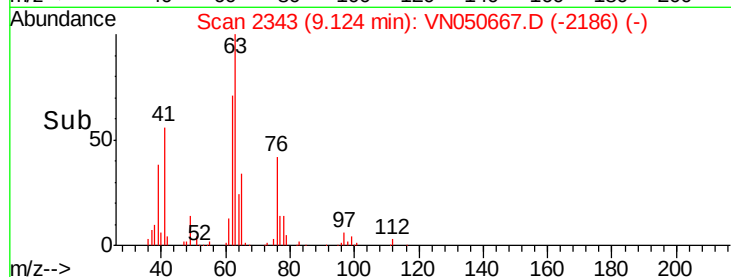
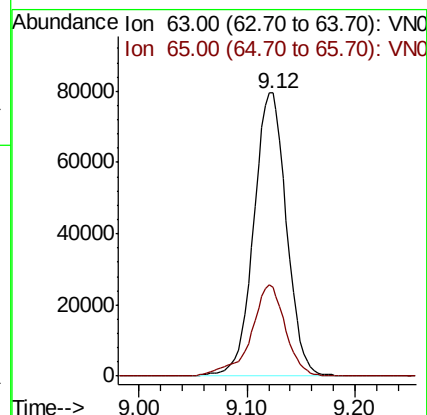
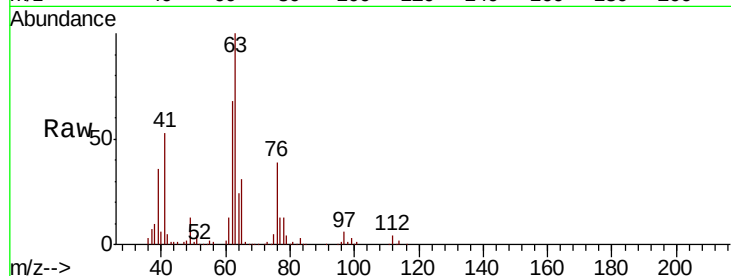
VSTDCCC020

Tot Ion: 63 Resp: 167275

Ion Ratio Lower Upper

63 100

65 31.3 24.2 36.2



#40

Dibromomethane

Concen: 20.54 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

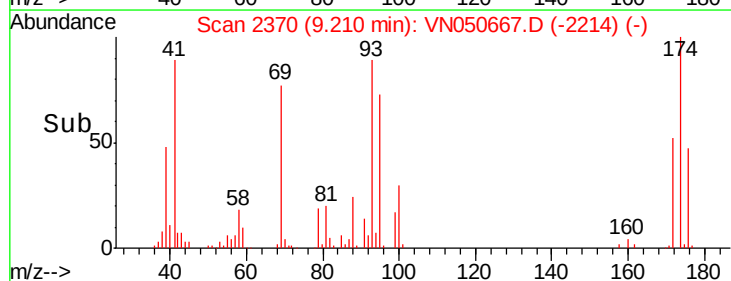
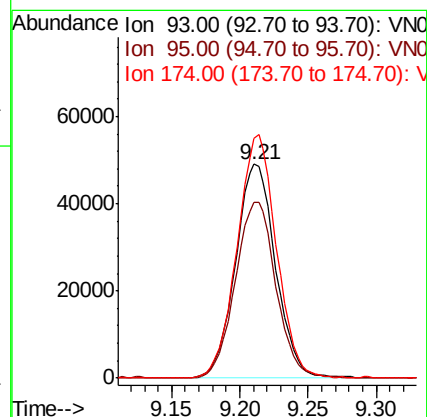
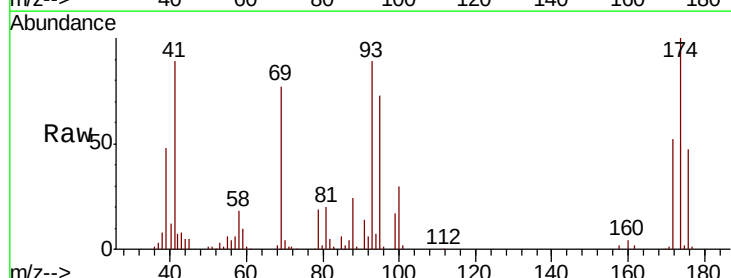
Tgt Ion: 93 Resp: 99789

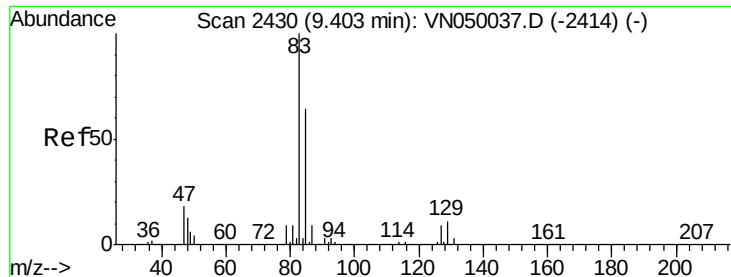
Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.6

174 111.8 0.0 223.2





#41

Bromodichloromethane

Concen: 20.18 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

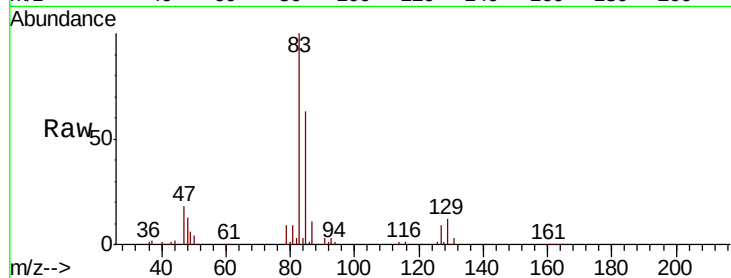
Tot Ion: 83 Resp: 206744

Ion Ratio Lower Upper

83 100

85 63.4 52.6 78.8

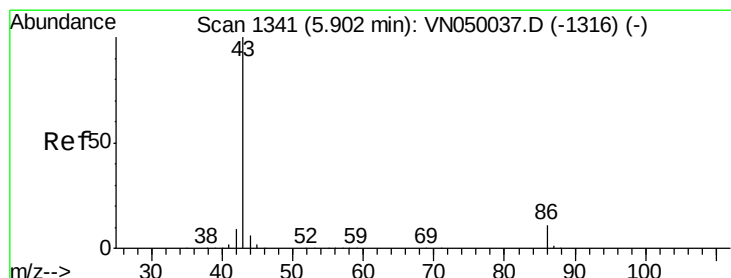
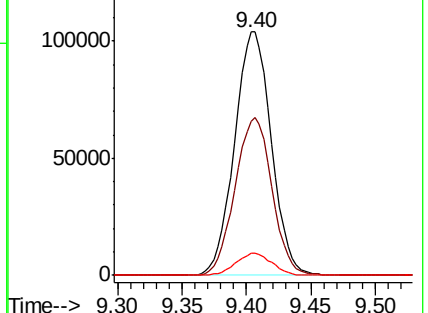
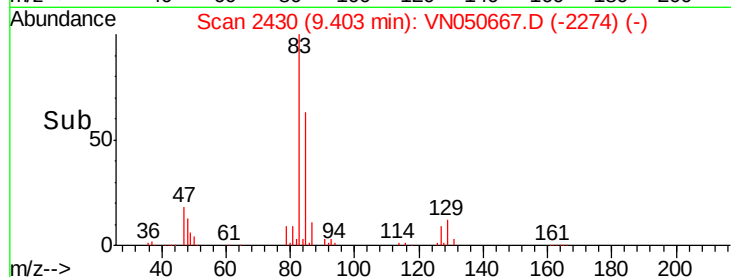
127 9.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 102.10 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050667.D

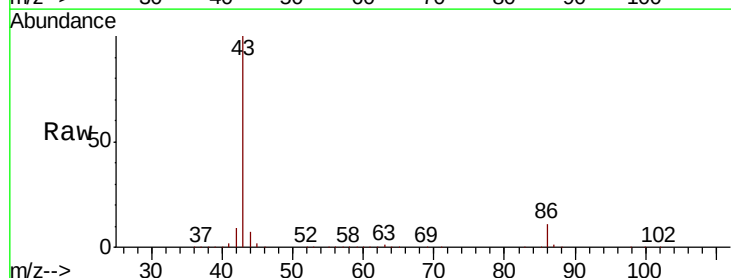
Acq: 15 Aug 2018 20:35

Tgt Ion: 43 Resp: 1480947

Ion Ratio Lower Upper

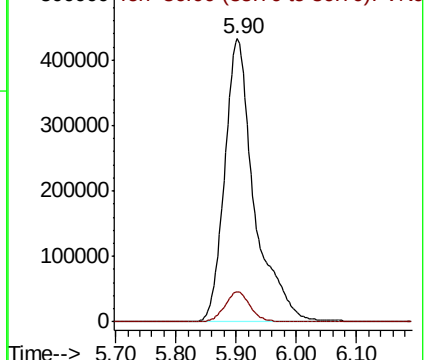
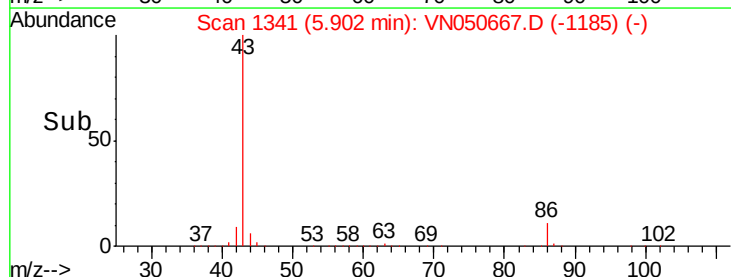
43 100

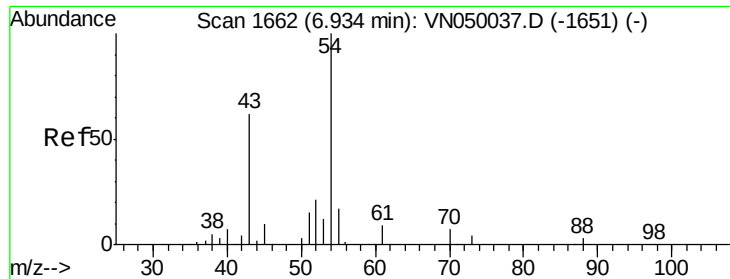
86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

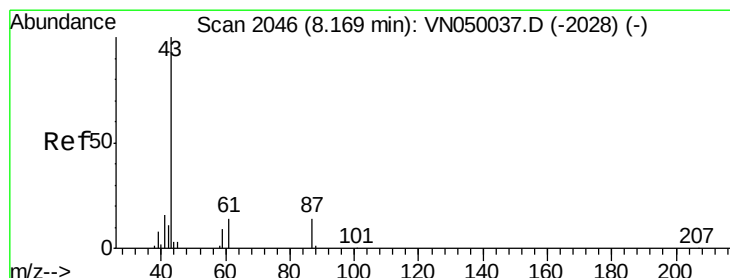
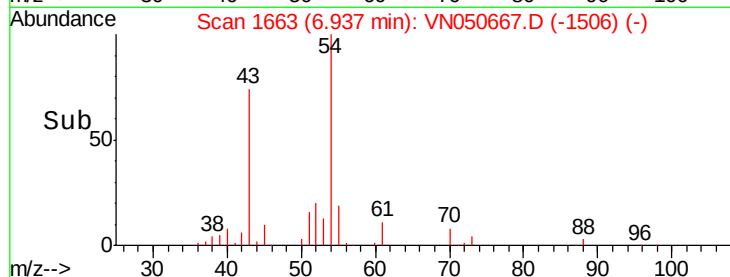
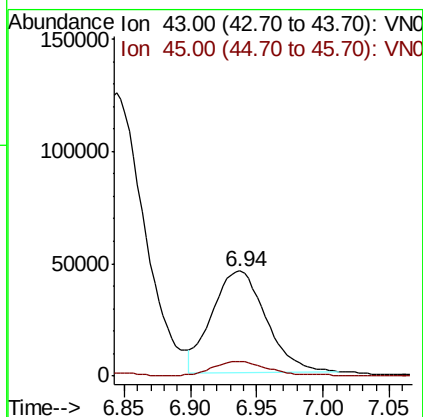
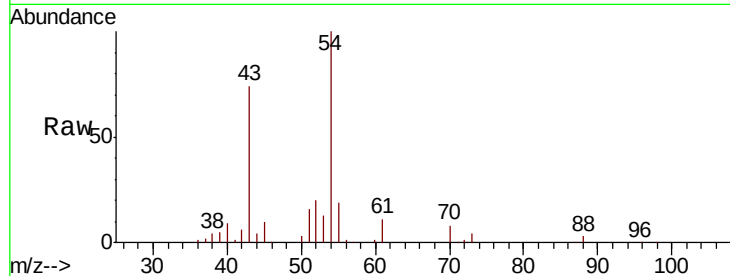




#43
Ethyl Acetate
Concen: 20.05 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

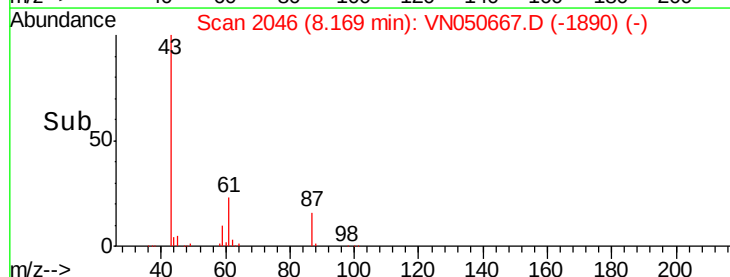
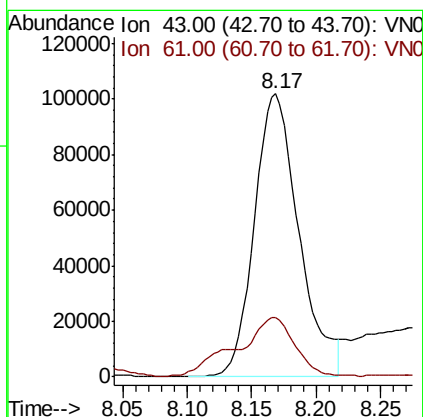
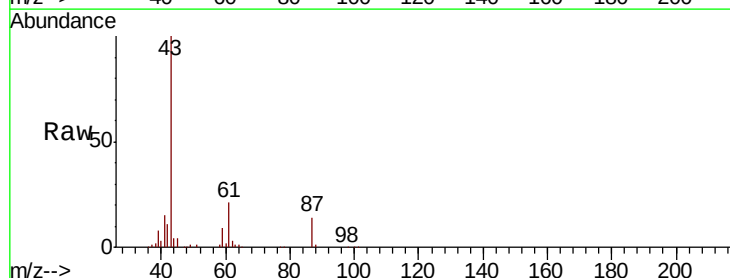
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

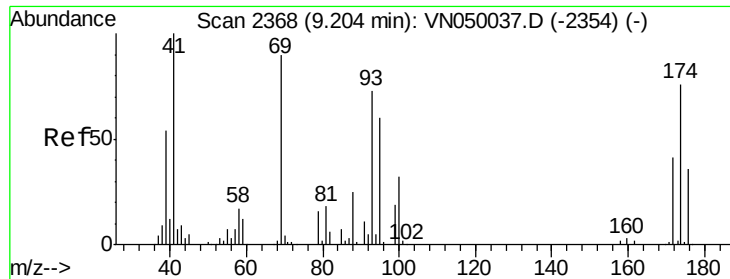
Tot Ion: 43 Resp: 129075
Ion Ratio Lower Upper
43 100
45 13.3 13.0 19.6



#44
Isopropyl Acetate
Concen: 20.54 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion: 43 Resp: 244897
Ion Ratio Lower Upper
43 100
61 18.6 16.4 24.6





#45

1,4-Dioxane

Concen: 397.94 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

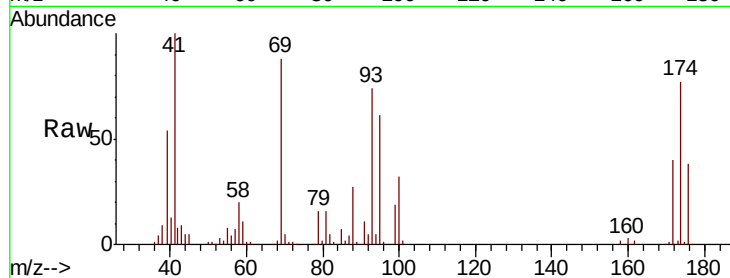
Tot Ion: 88 Resp: 31224

Ion Ratio Lower Upper

88 100

43 31.9 26.9 40.3

58 70.6 53.6 80.4

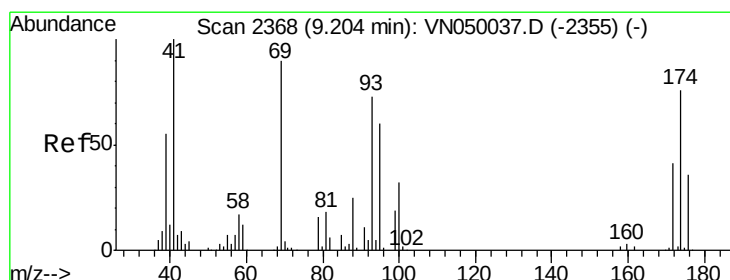
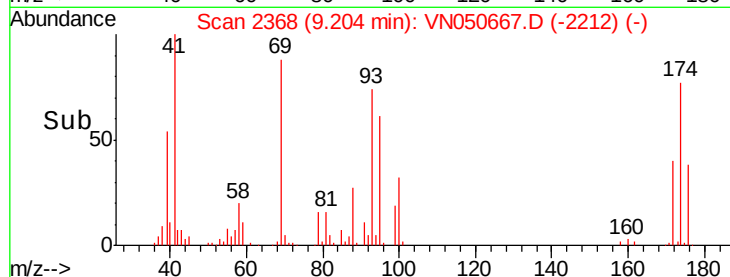
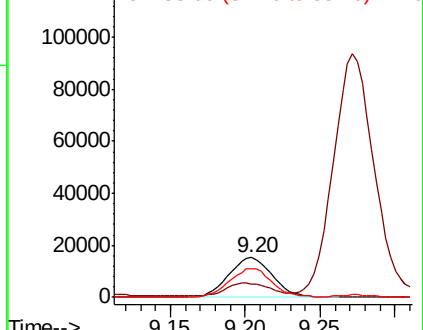


Abundance

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: 18.28 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

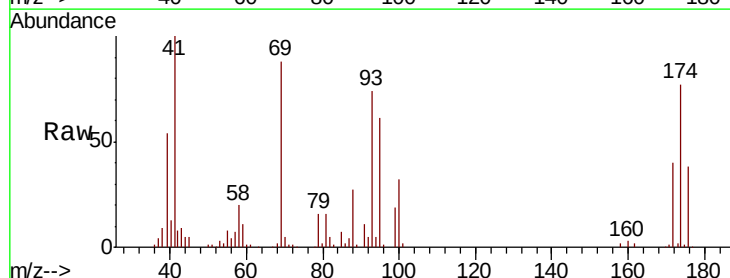
Tgt Ion: 41 Resp: 105685

Ion Ratio Lower Upper

41 100

69 89.1 44.0 132.1

39 53.5 27.0 80.8

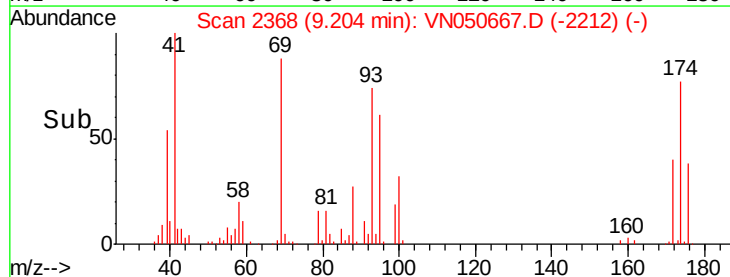
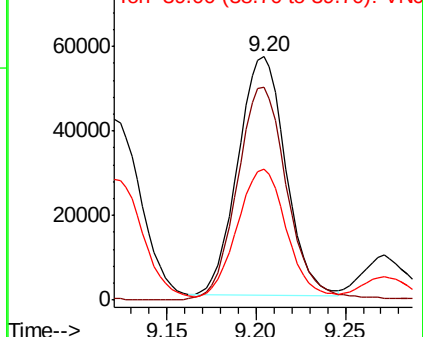


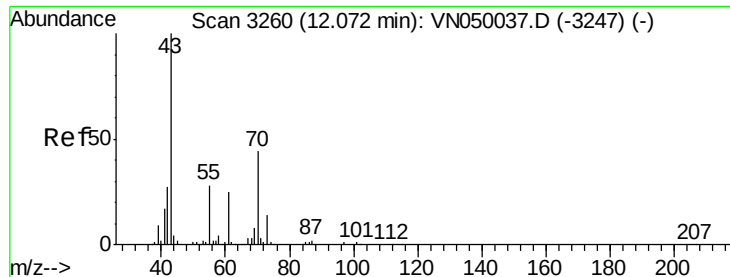
Abundance

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: 18.94 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

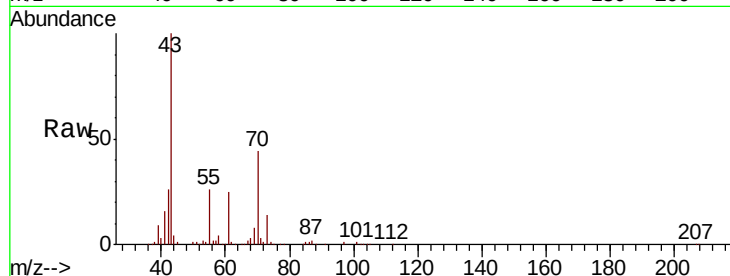
VSTDCCC020

Tot Ion: 43 Resp: 175692

Ion Ratio Lower Upper

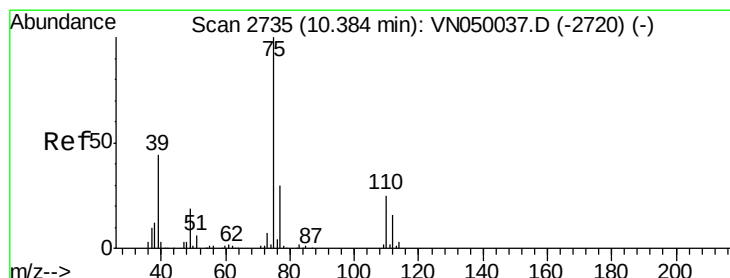
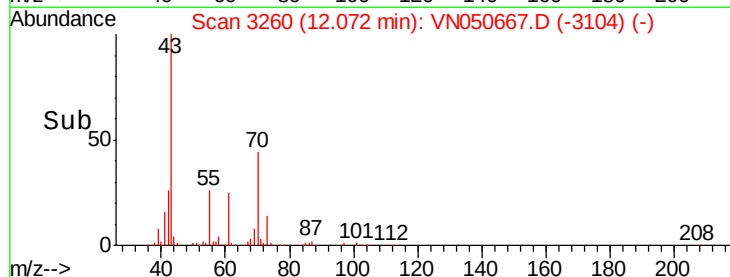
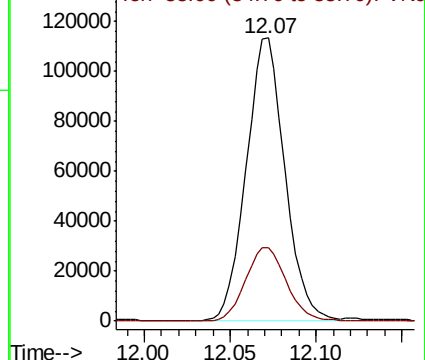
43 100

55 27.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.52 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050667.D

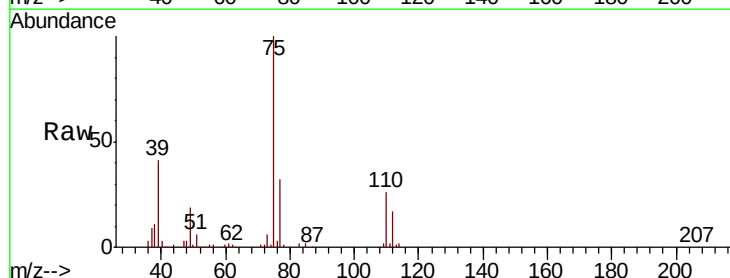
Acq: 15 Aug 2018 20:35

Tgt Ion: 75 Resp: 190665

Ion Ratio Lower Upper

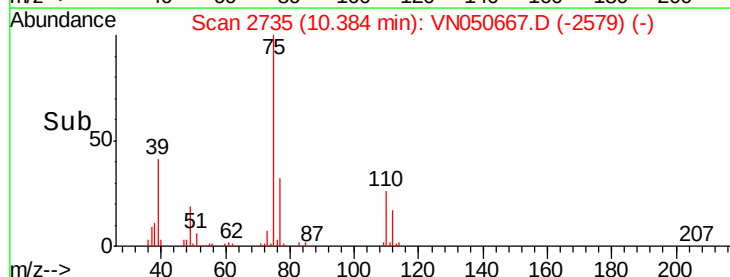
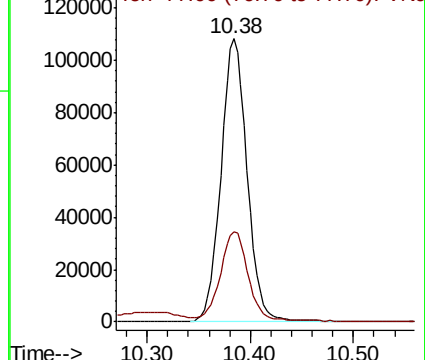
75 100

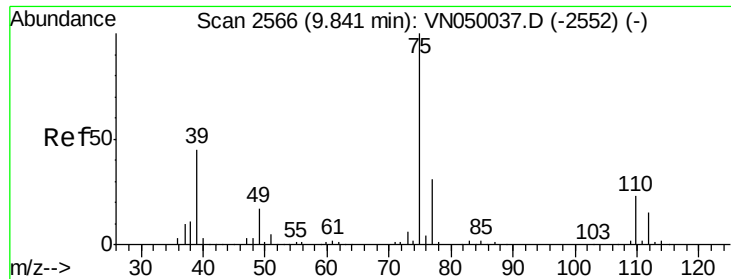
77 31.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



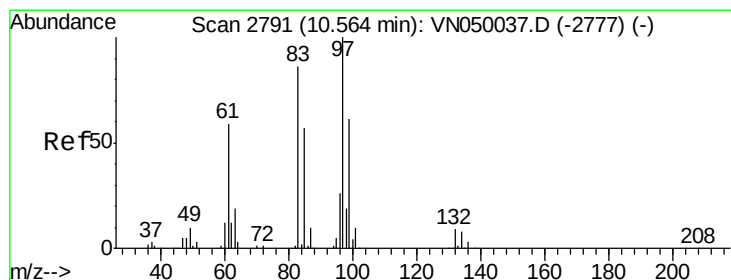
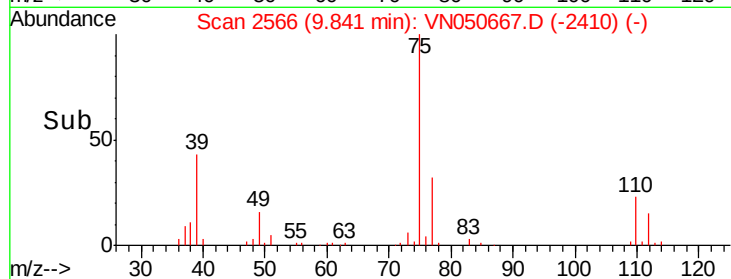
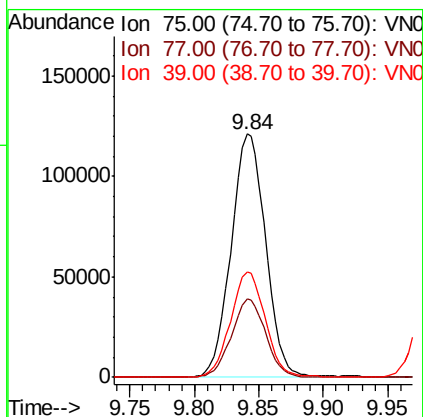
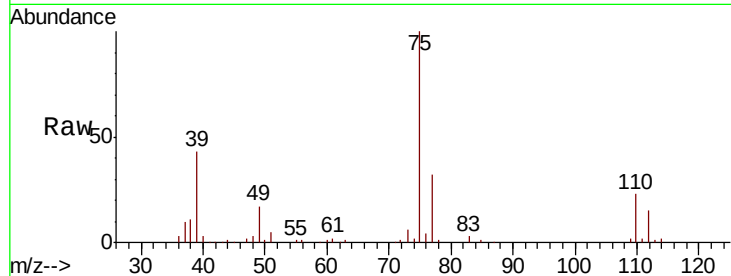


#49

cis-1,3-Dichloropropene
Concen: 19.63 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

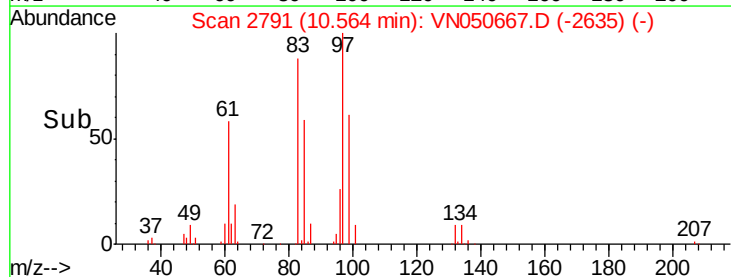
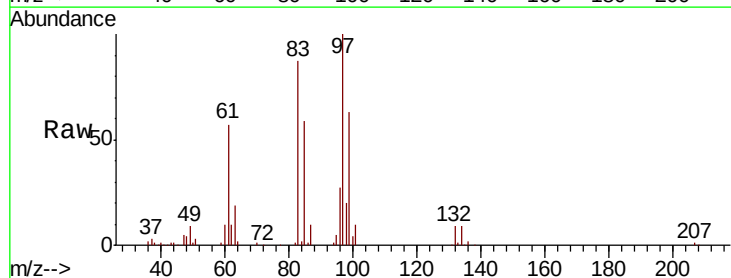
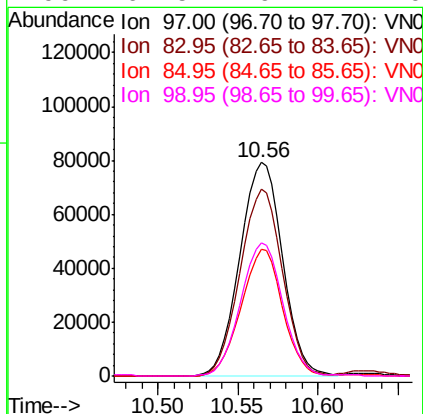
Tot Ion	75	Resp	225302
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	43.2	36.3	54.5

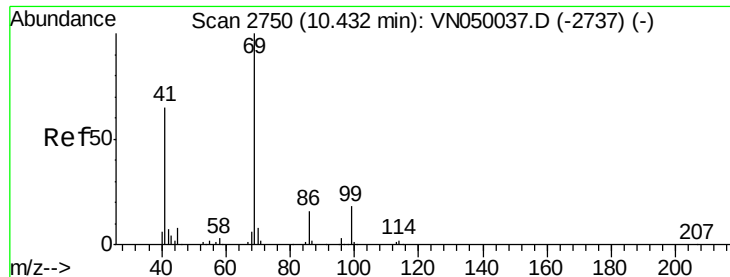


#50

1,1,2-Trichloroethane
Concen: 20.75 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	97	Resp	144642
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.1	102.1
85	59.1	45.4	68.2
99	62.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 19.49 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

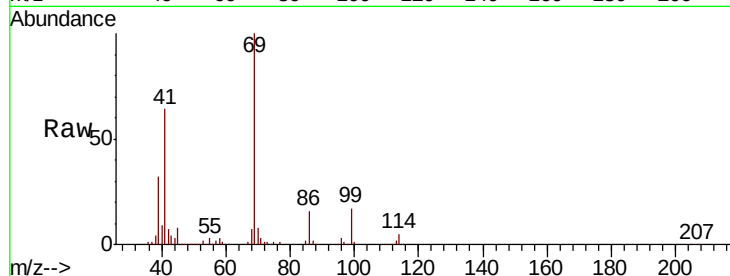
Tot Ion: 69 Resp: 164923

Ion Ratio Lower Upper

69 100

41 63.4 31.9 95.9

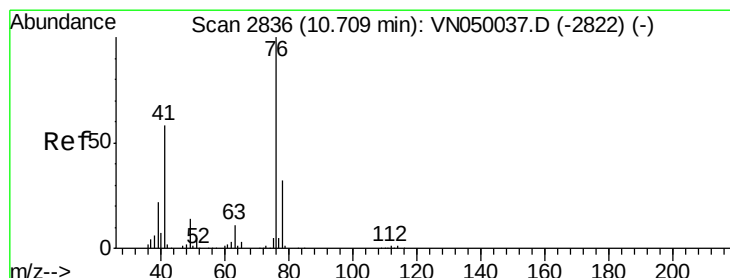
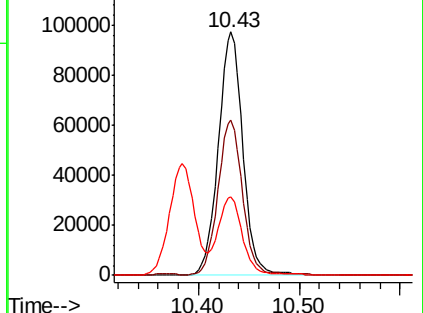
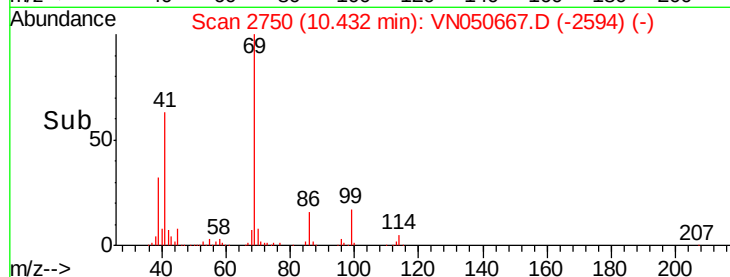
39 32.1 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN050667.D (-2594) (-)

Ion 41.00 (40.70 to 41.70): VN050667.D (-2594) (-)

Ion 39.00 (38.70 to 39.70): VN050667.D (-2594) (-)



#52

1,3-Dichloropropane

Concen: 20.73 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050667.D

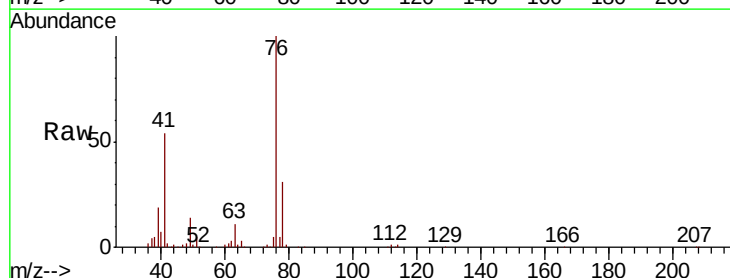
Acq: 15 Aug 2018 20:35

Tgt Ion: 76 Resp: 237381

Ion Ratio Lower Upper

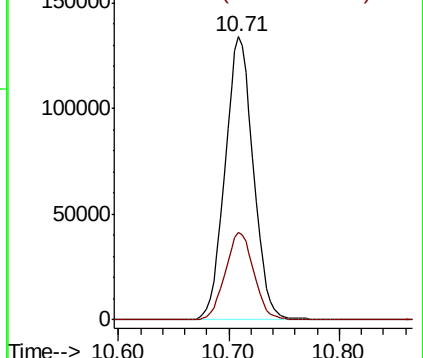
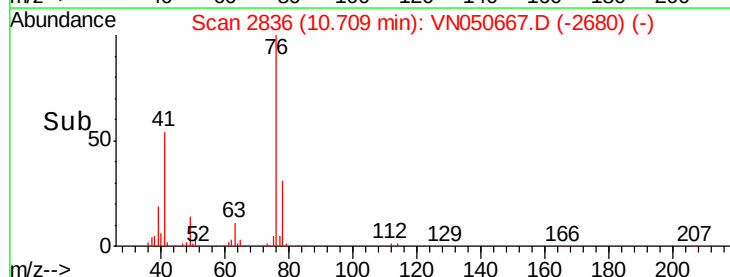
76 100

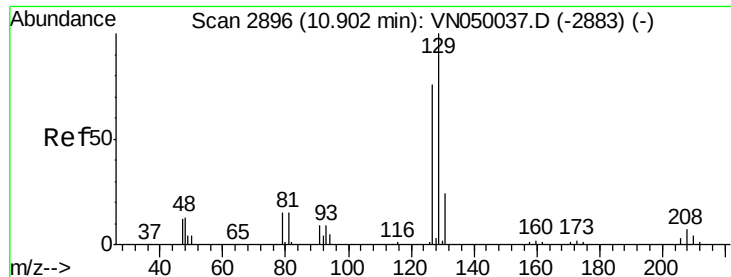
78 31.4 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN050667.D (-2680) (-)

Ion 78.00 (77.70 to 78.70): VN050667.D (-2680) (-)





#53

Dibromochloromethane

Concen: 19.92 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

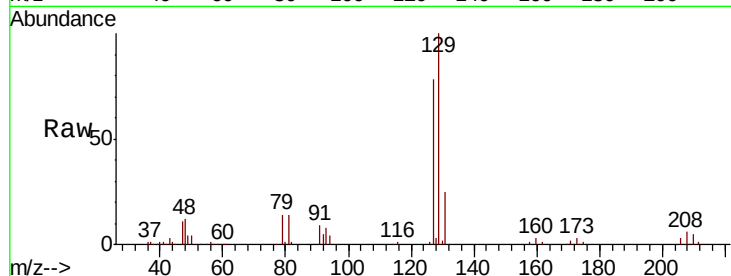
VSTDCCC020

Tot Ion:129 Resp: 157587

Ion Ratio Lower Upper

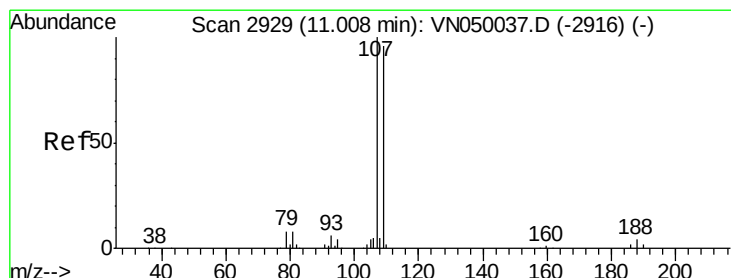
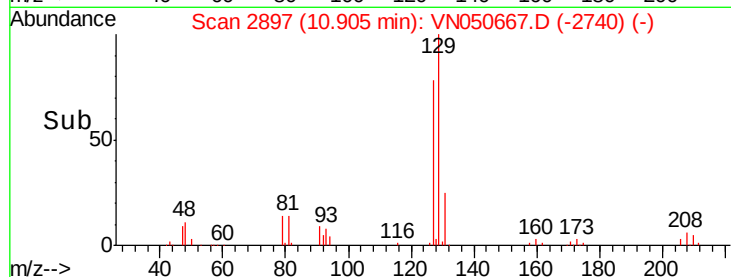
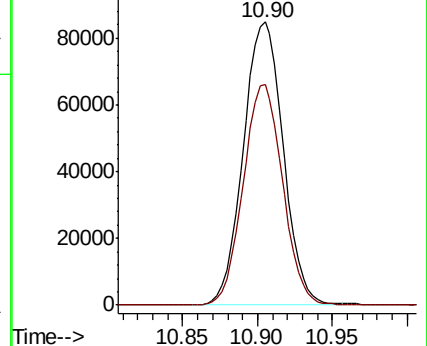
129 100

127 76.8 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050667.D

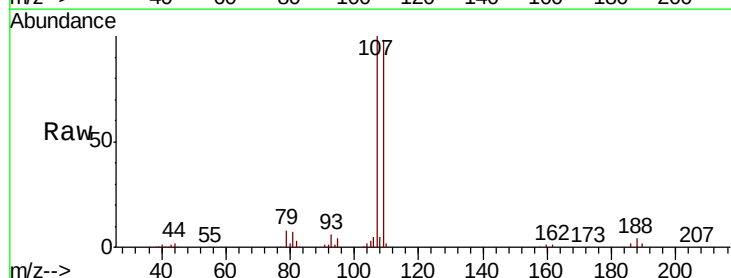
Acq: 15 Aug 2018 20:35

Tgt Ion:107 Resp: 135964

Ion Ratio Lower Upper

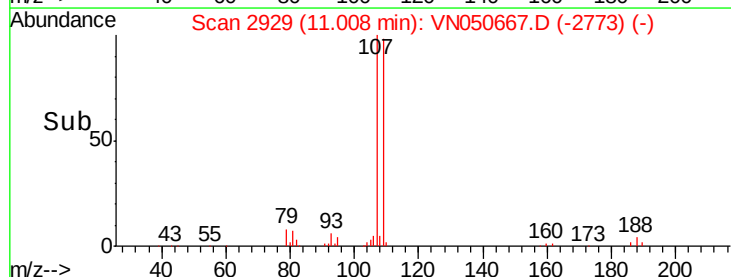
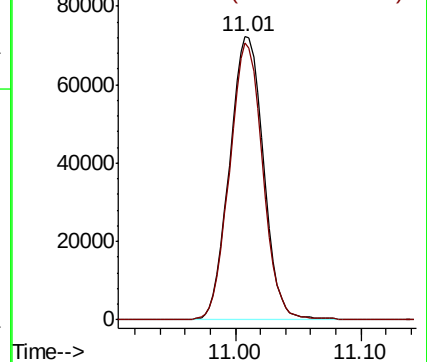
107 100

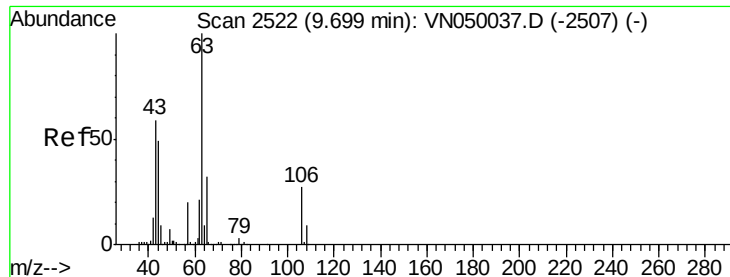
109 95.2 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 102.44 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

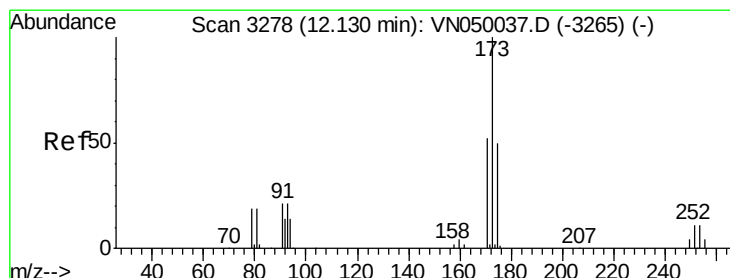
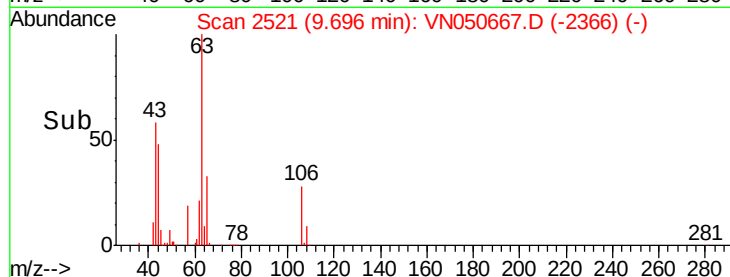
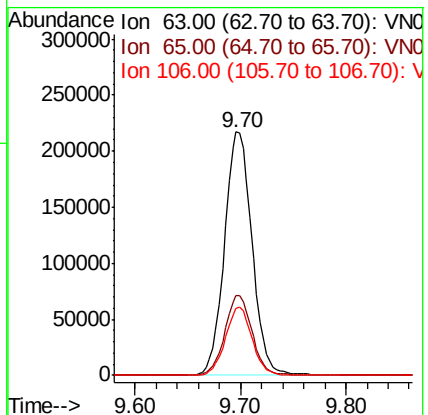
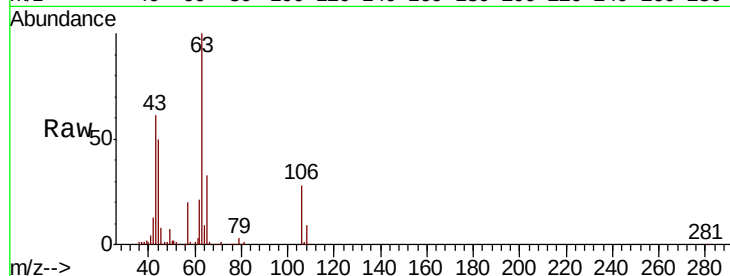
Tot Ion: 63 Resp: 392331

Ion Ratio Lower Upper

63 100

65 32.3 25.5 38.3

106 27.2 21.8 32.6



#56

Bromoform

Concen: 19.41 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

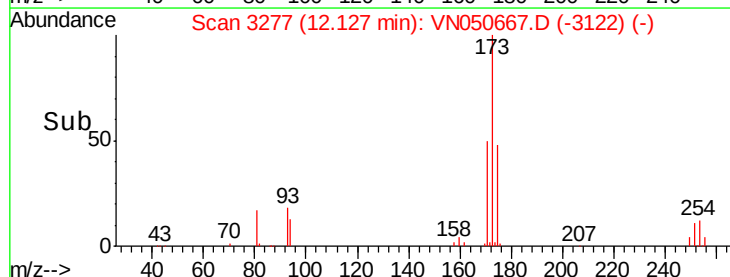
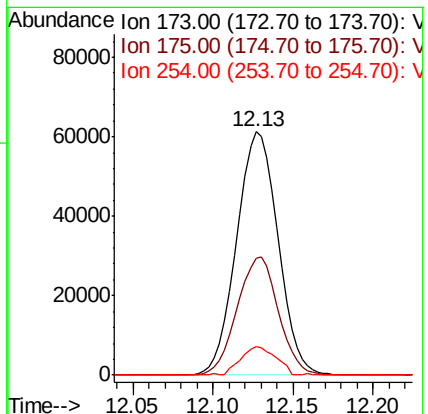
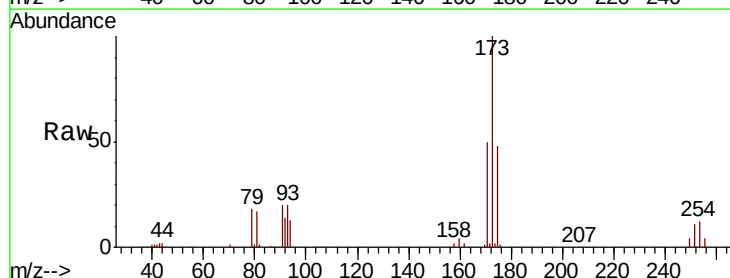
Tgt Ion: 173 Resp: 108421

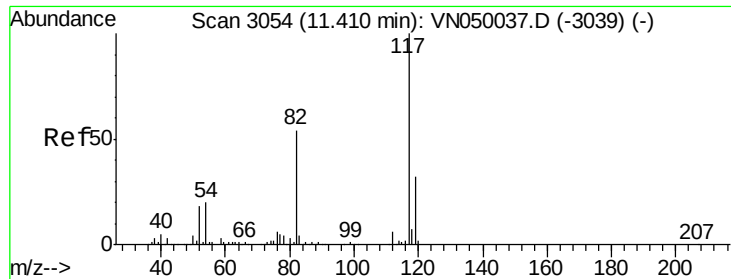
Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 9.8 8.8 13.2

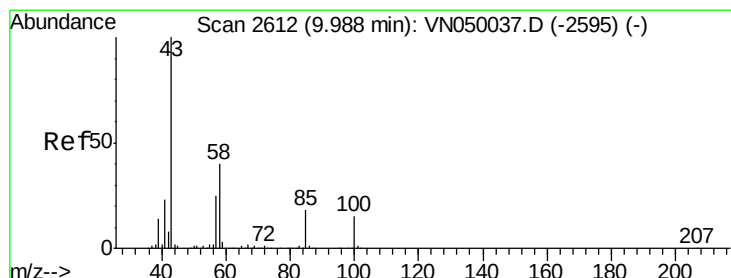
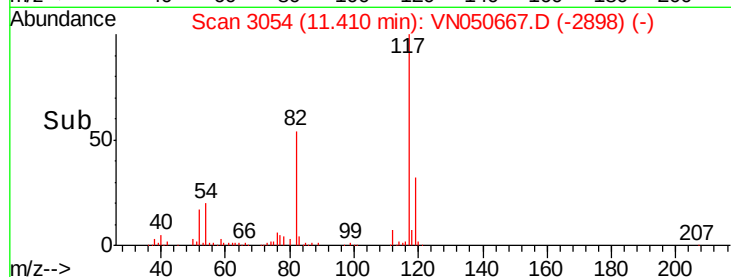
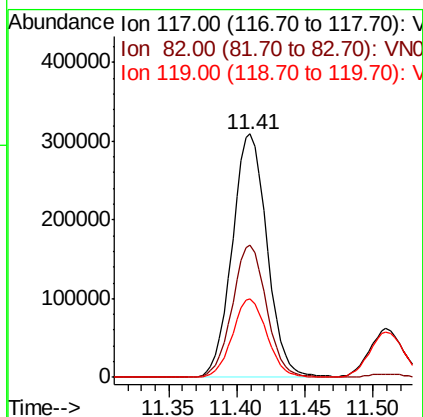
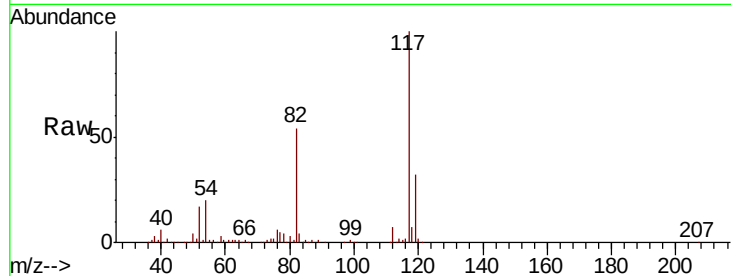




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

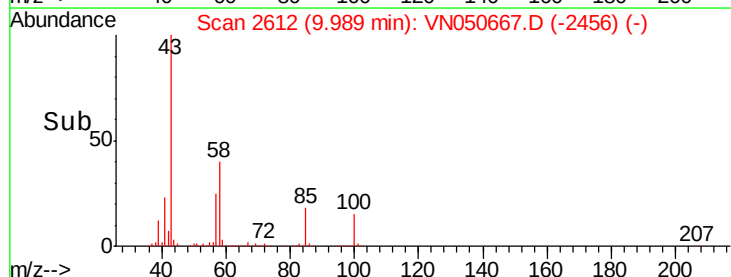
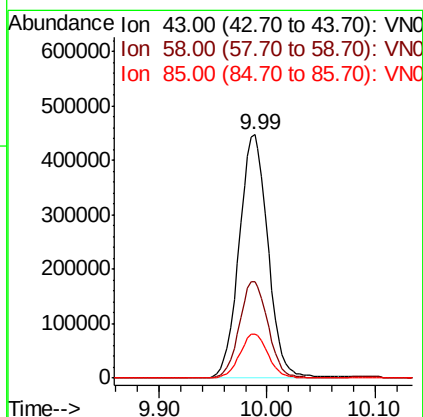
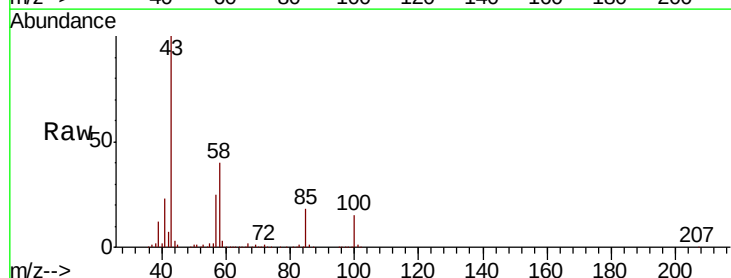
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

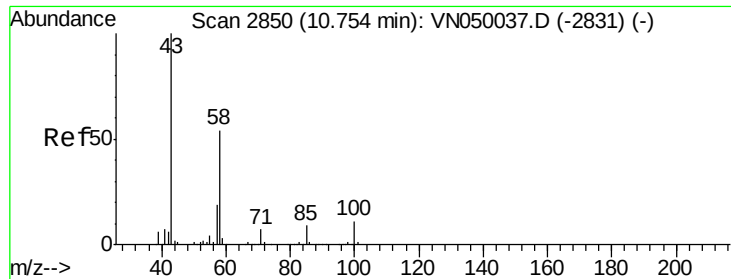
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.0	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 129.95 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	17.9	14.4	21.6

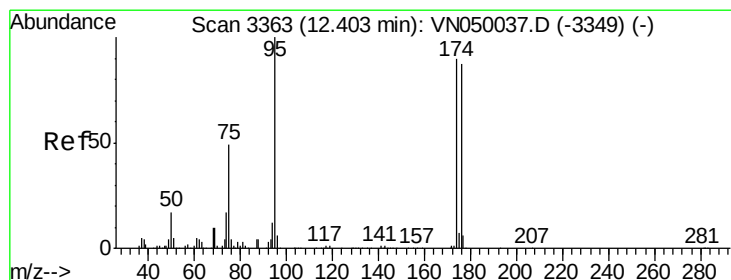
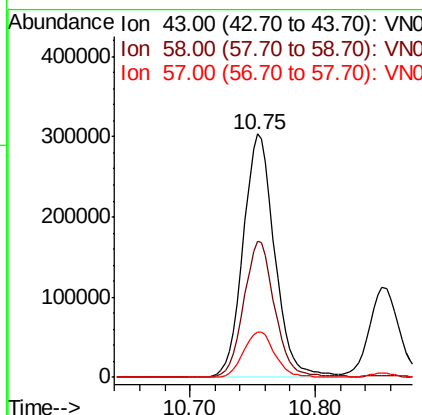
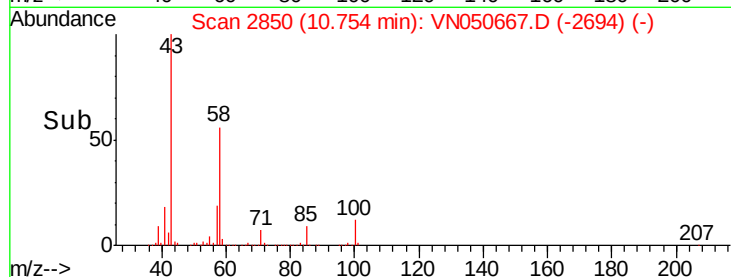
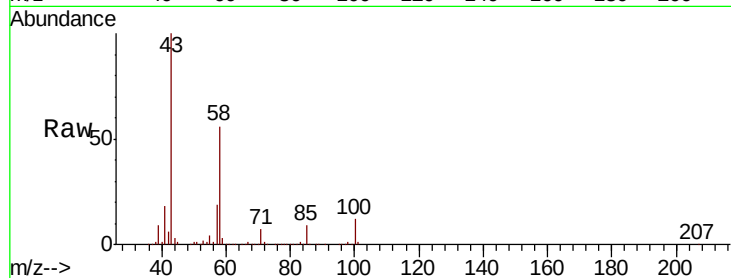




#59
2-Hexanone
Concen: 121.49 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

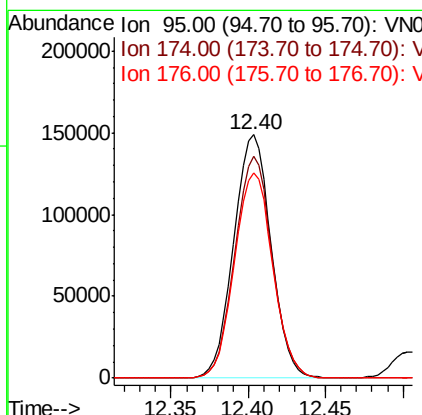
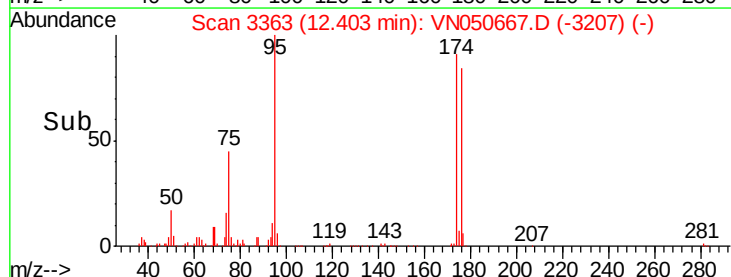
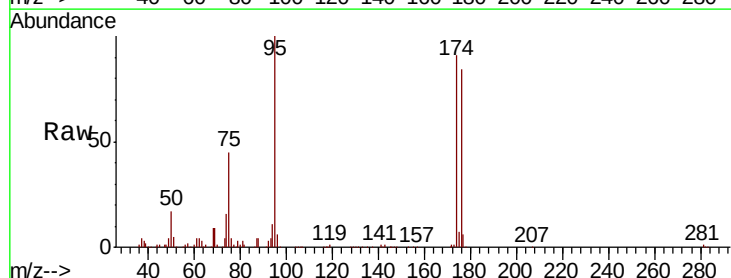
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

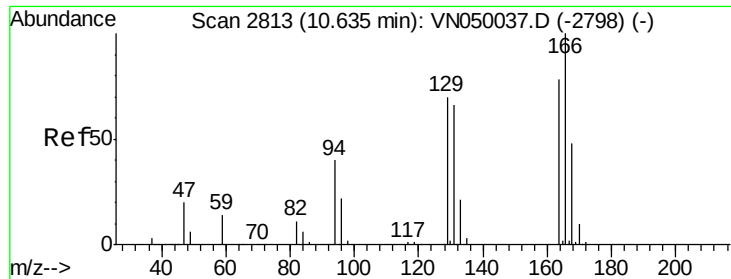
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.8	65.8
57	19.0	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 29.66 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	72.3	108.5
176	86.5	70.0	105.0





#61

Tetrachloroethene

Concen: 20.27 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 150573

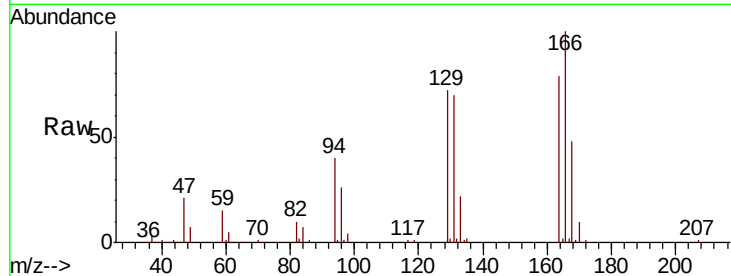
Ion Ratio Lower Upper

164 100

166 126.4 100.0 150.0

129 91.5 69.3 103.9

131 89.1 68.8 103.2

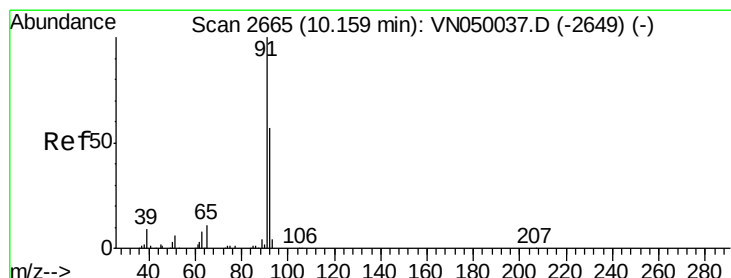
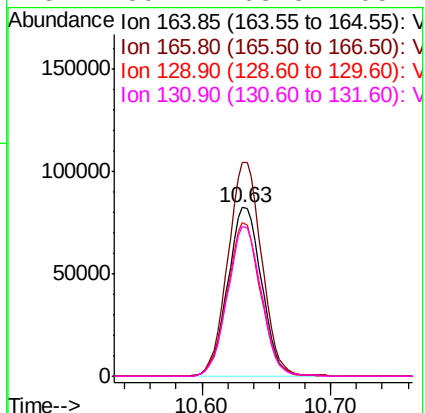
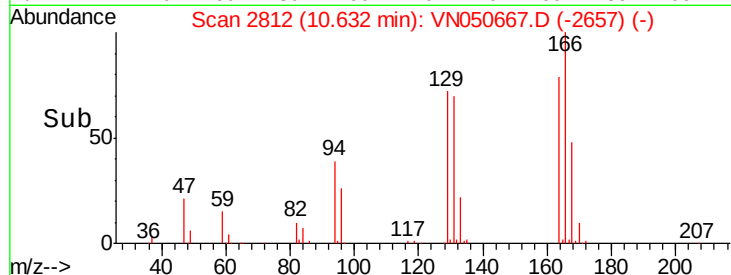


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.22 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050667.D

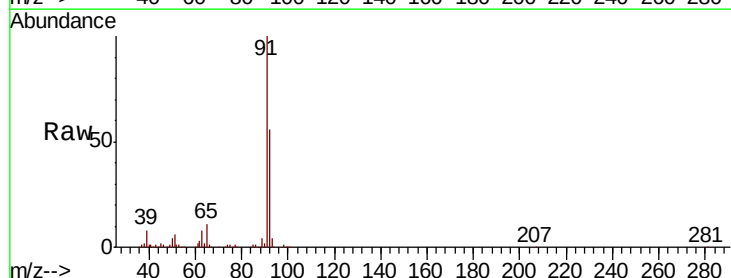
Acq: 15 Aug 2018 20:35

Tgt Ion: 91 Resp: 663998

Ion Ratio Lower Upper

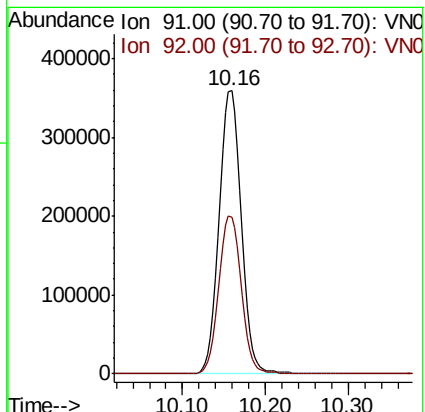
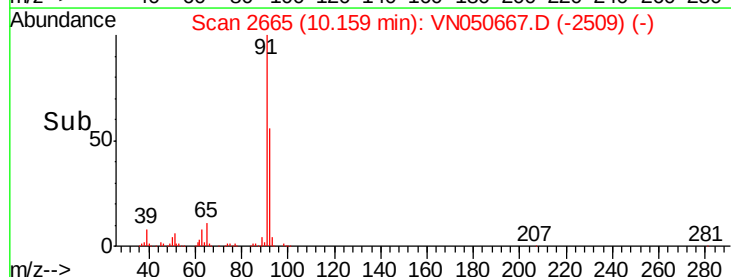
91 100

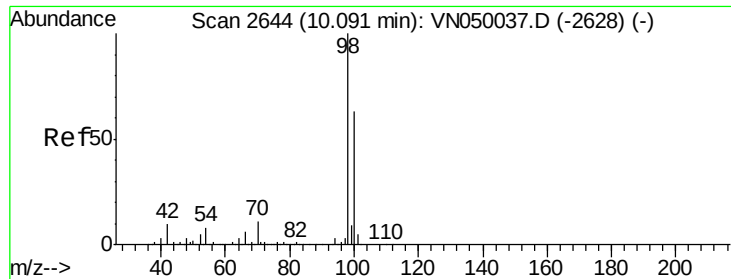
92 56.7 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.81 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

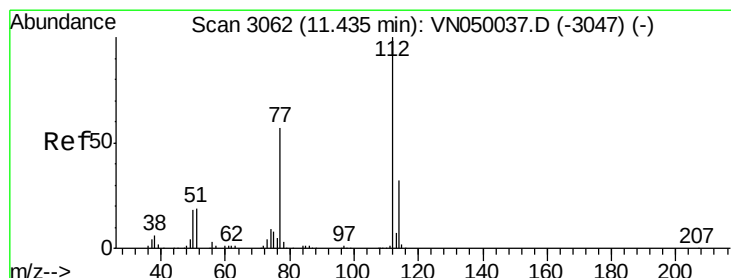
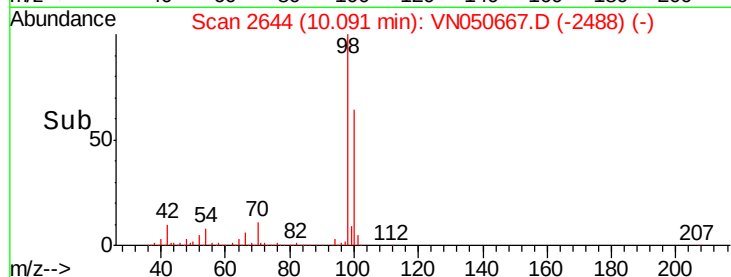
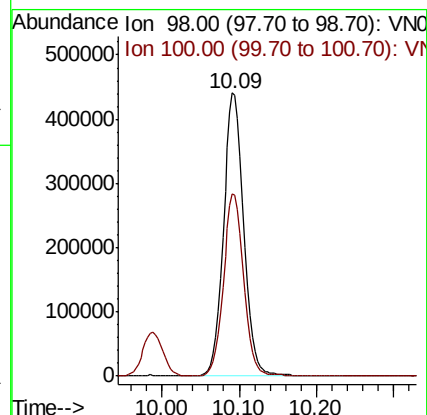
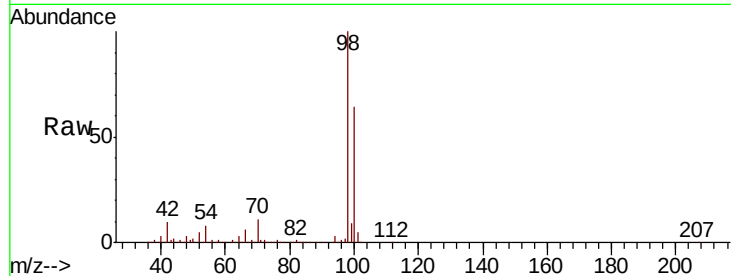
VSTDCCC020

Tot Ion: 98 Resp: 807229

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#64

Chlorobenzene

Concen: 20.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050667.D

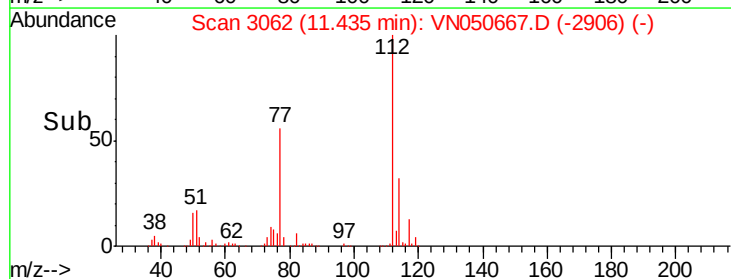
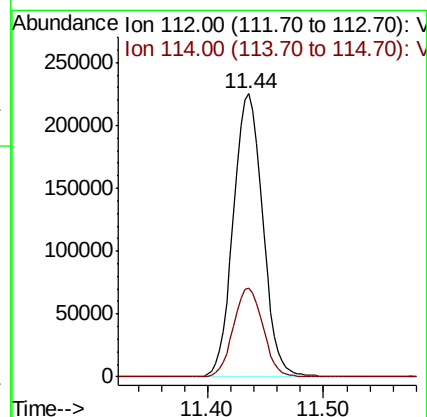
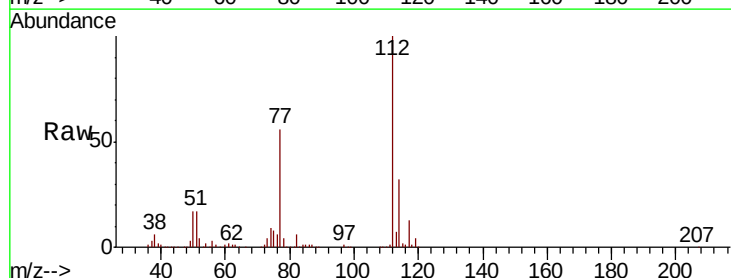
Acq: 15 Aug 2018 20:35

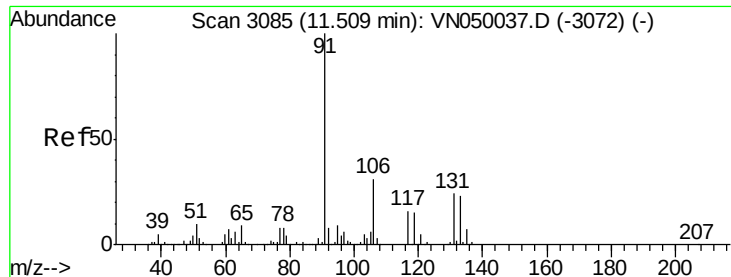
Tgt Ion: 112 Resp: 396918

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.87 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

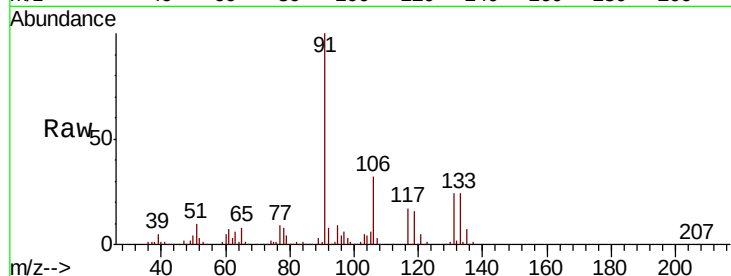
Tot Ion:131 Resp: 154447

Ion Ratio Lower Upper

131 100

133 97.4 0.0 190.0

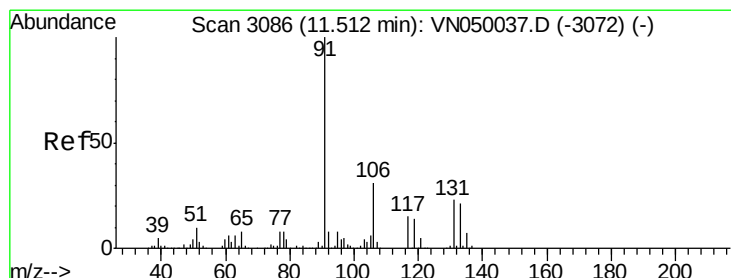
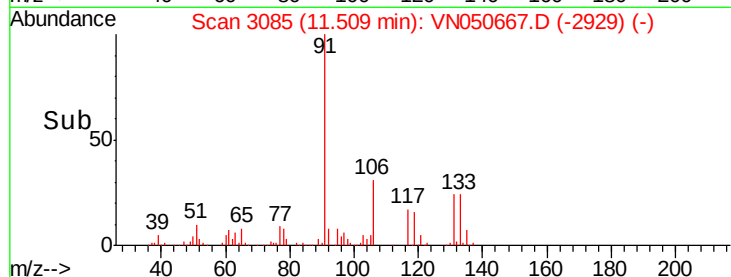
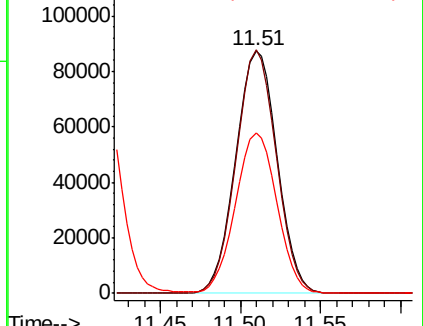
119 66.5 0.0 131.6



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: 20.32 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050667.D

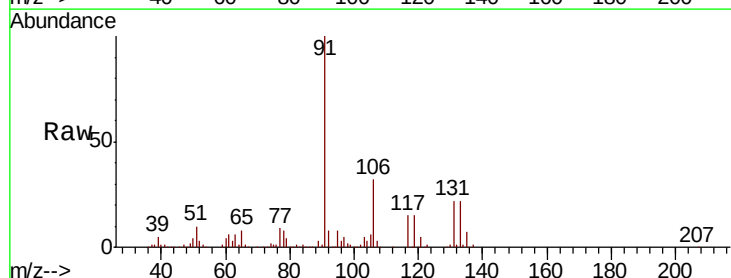
Acq: 15 Aug 2018 20:35

Tgt Ion: 91 Resp: 649661

Ion Ratio Lower Upper

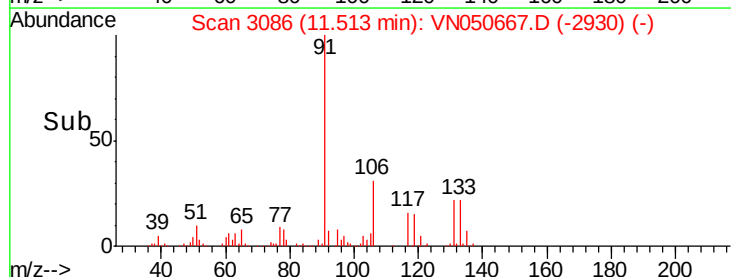
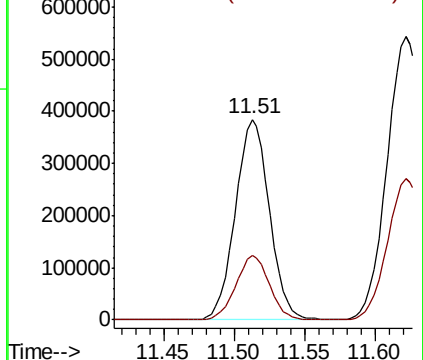
91 100

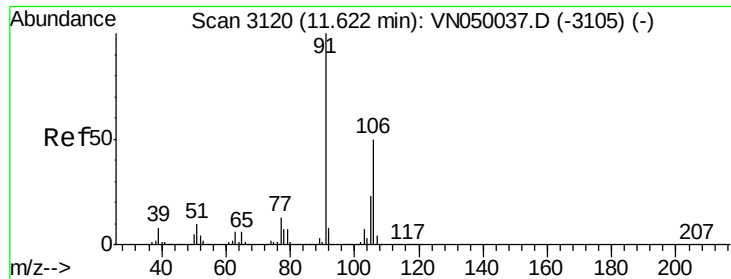
106 32.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

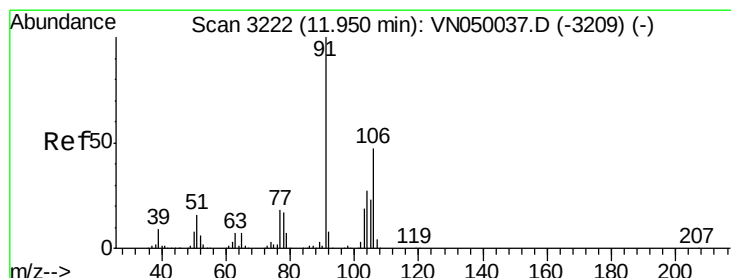
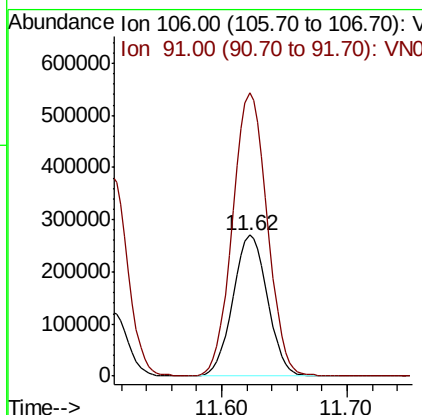
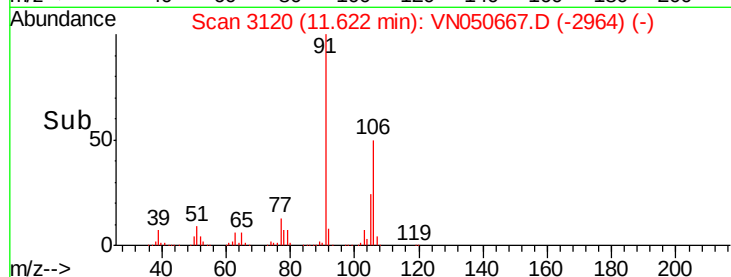
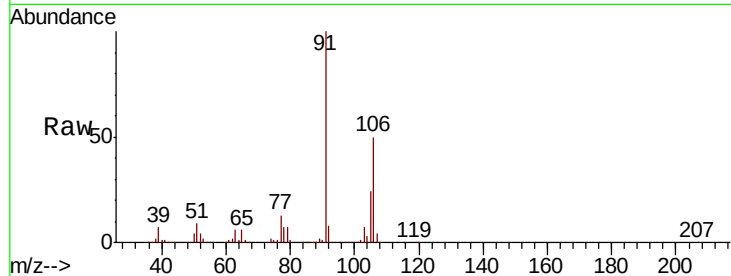




#67
m/p-Xylenes
Concen: 41.94 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

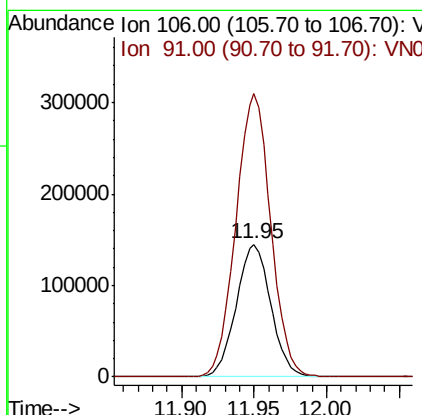
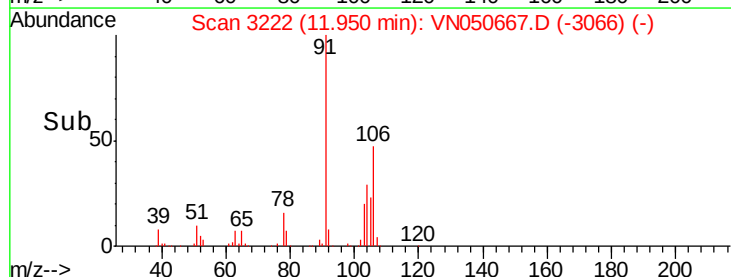
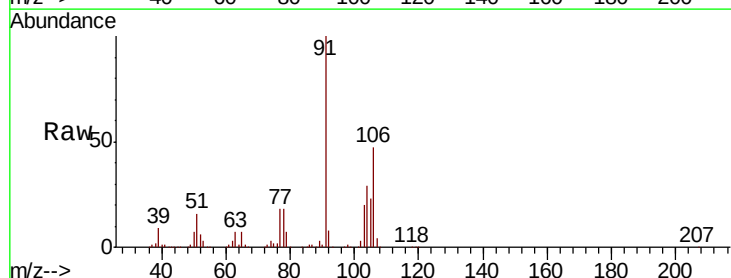
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

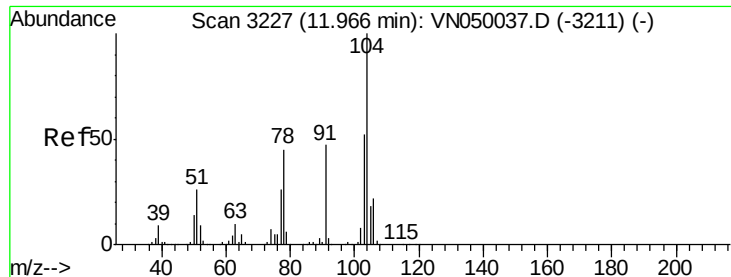
Tot Ion:106 Resp: 516054
Ion Ratio Lower Upper
106 100
91 202.3 162.5 243.7



#68
o-Xylene
Concen: 20.50 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion:106 Resp: 240025
Ion Ratio Lower Upper
106 100
91 215.4 106.8 320.4

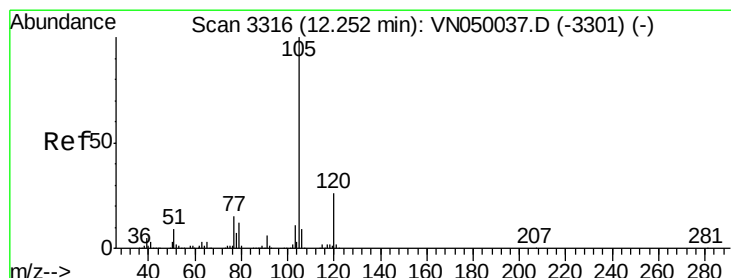
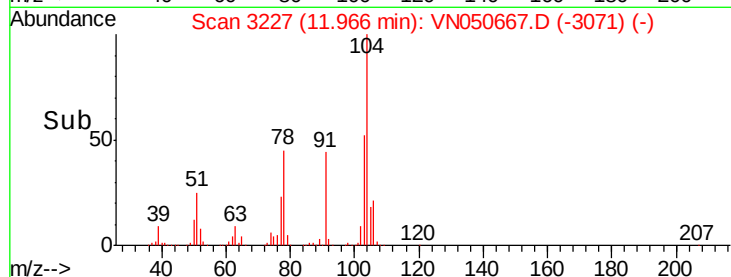
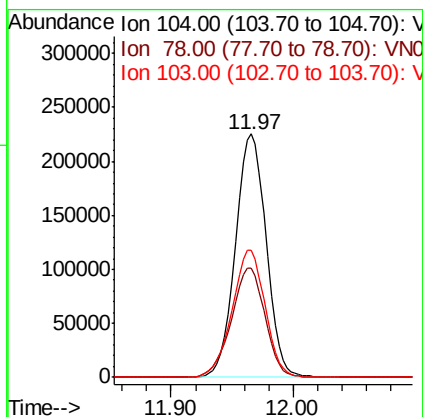
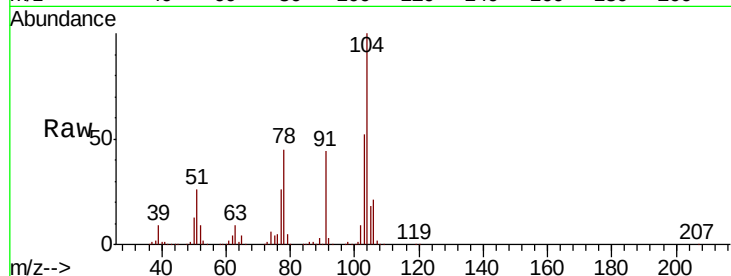




#69
Stvrene
Concen: 20.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

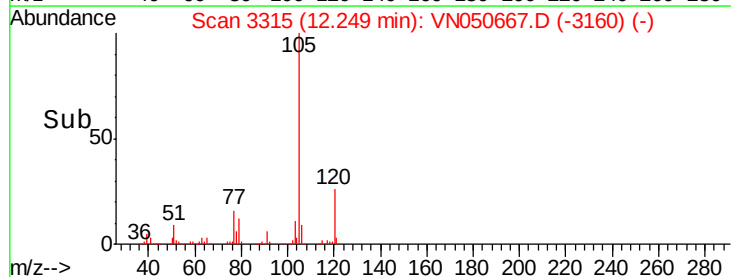
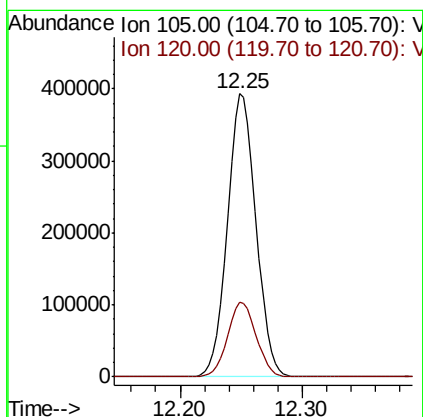
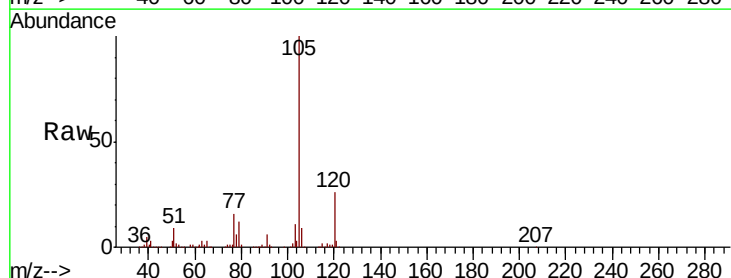
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

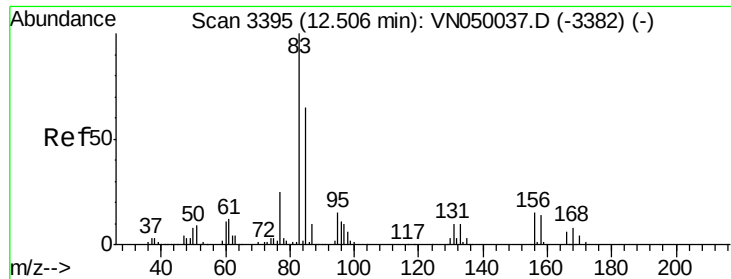
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	56.4	44.5	66.7



#70
Isopropylbenzene
Concen: 20.57 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.9	35.1

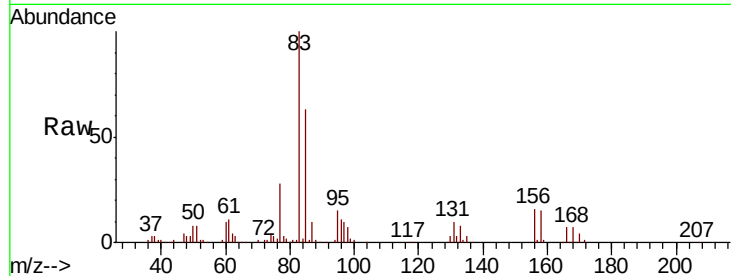




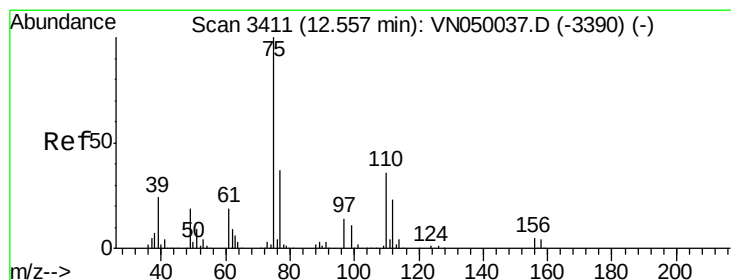
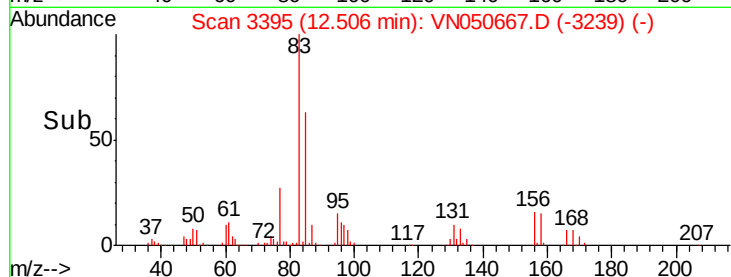
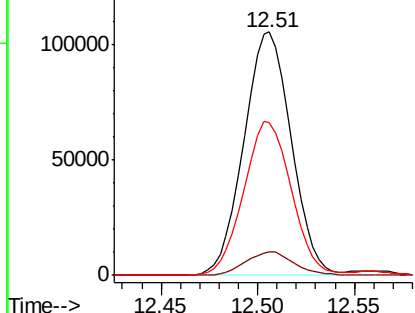
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.00 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 83 Resp: 179823
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.2 15.6
 85 63.7 31.7 95.1

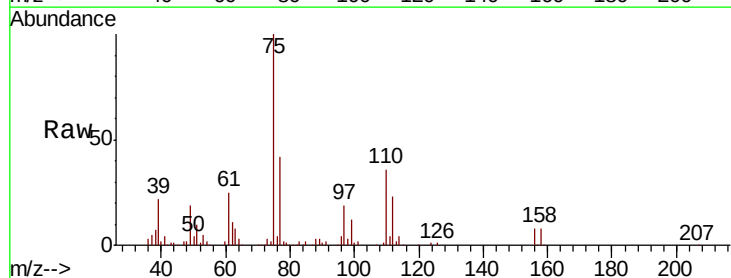


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

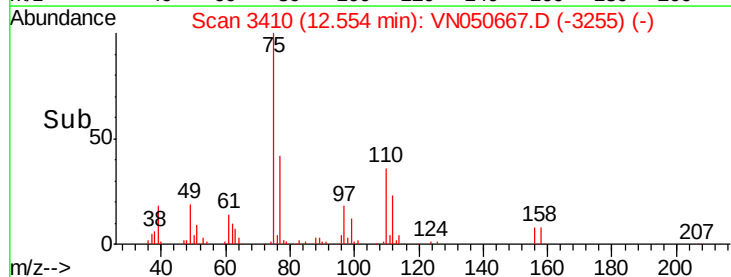
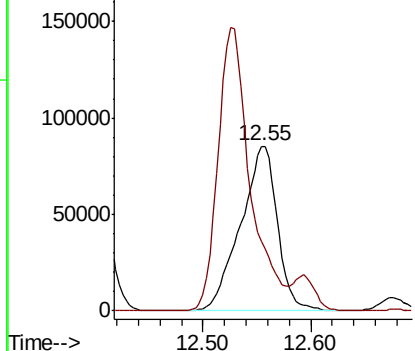


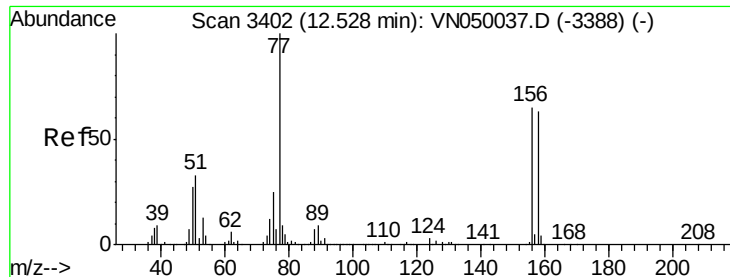
#72
 1,2,3-Trichloropropane
 Concen: 27.73 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 75 Resp: 202797
 Ion Ratio Lower Upper
 75 100
 77 149.6 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.17 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

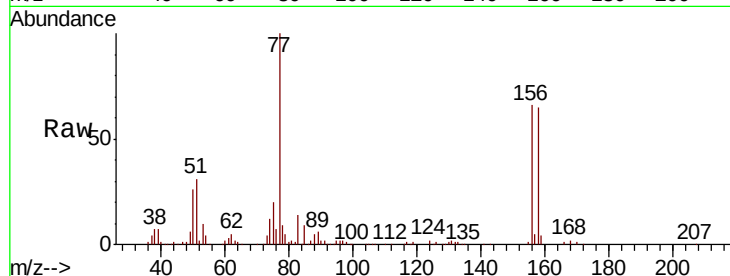
Tot Ion:156 Resp: 167563

Ion Ratio Lower Upper

156 100

77 181.1 0.0 359.8

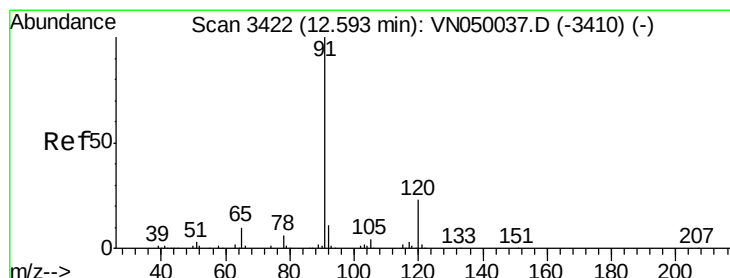
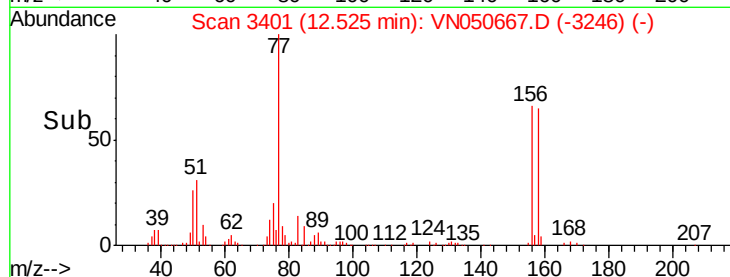
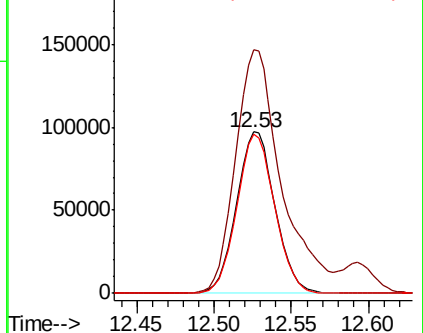
158 96.9 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050667.D

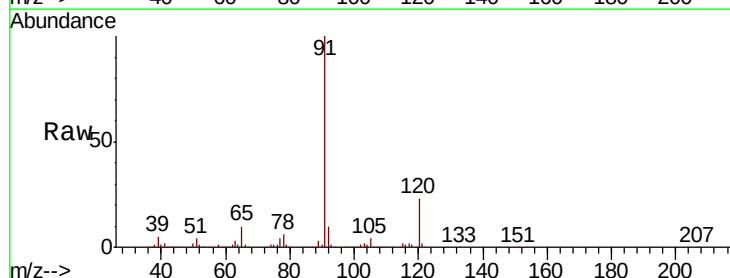
Acq: 15 Aug 2018 20:35

Tgt Ion: 91 Resp: 722870

Ion Ratio Lower Upper

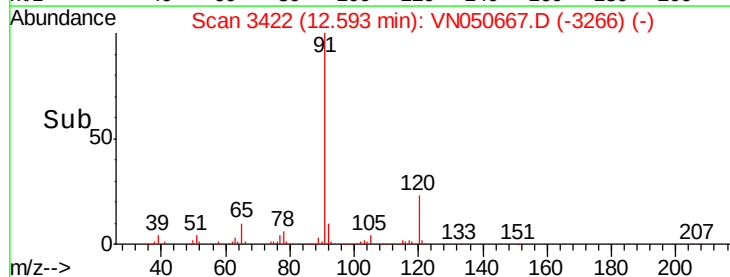
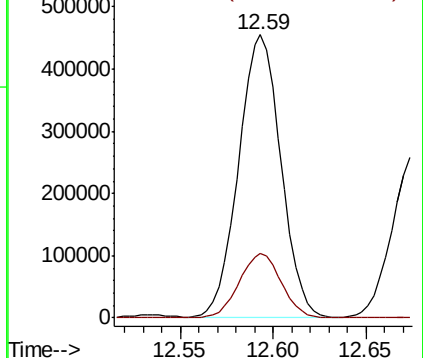
91 100

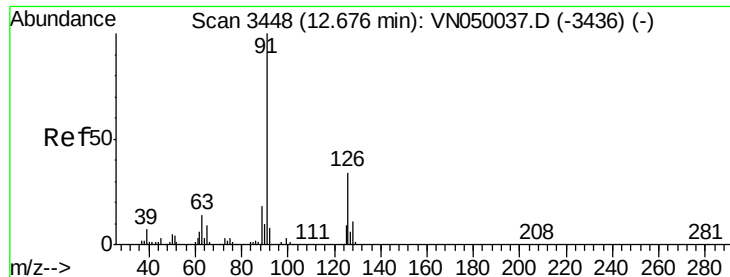
120 22.6 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.42 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampled :

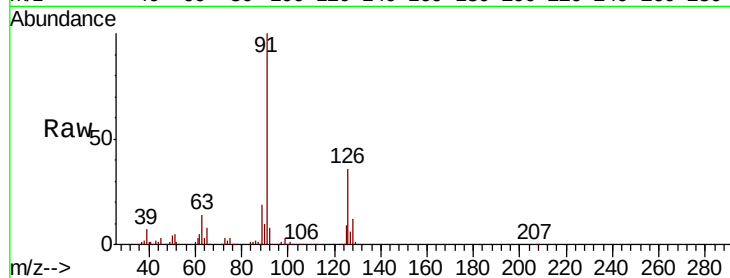
VSTDCCC020

Tot Ion: 91 Resp: 445361

Ion Ratio Lower Upper

91 100

126 35.3 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)

500000

400000

300000

200000

100000

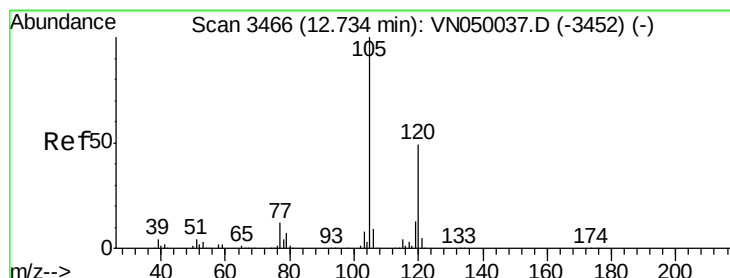
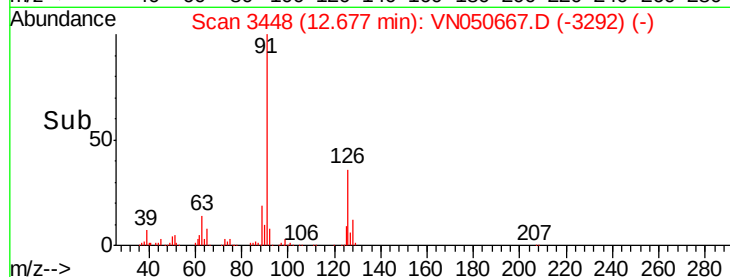
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050667.D

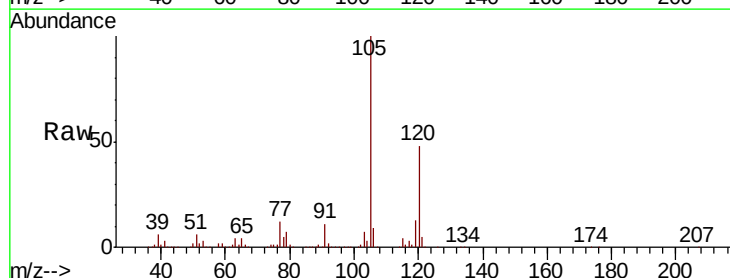
Acq: 15 Aug 2018 20:35

Tgt Ion: 105 Resp: 528661

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)

400000

300000

200000

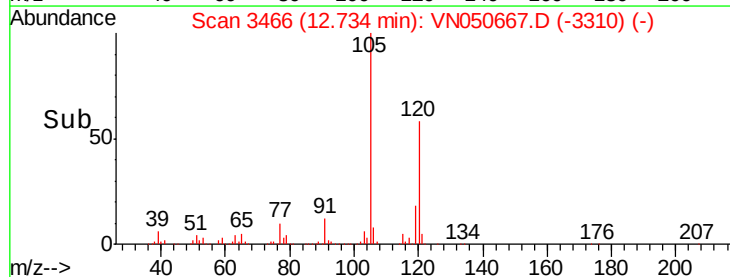
100000

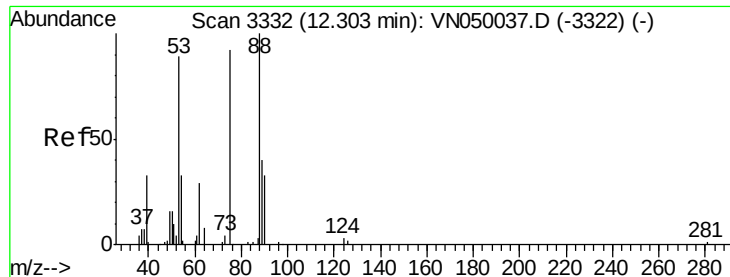
0

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

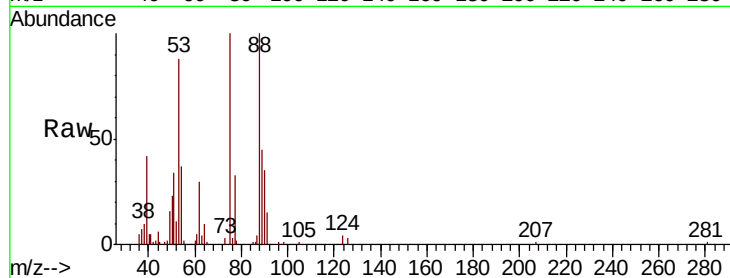
Tot Ion: 75 Resp: 39036

Ion Ratio Lower Upper

75 100

53 88.0 44.6 134.0

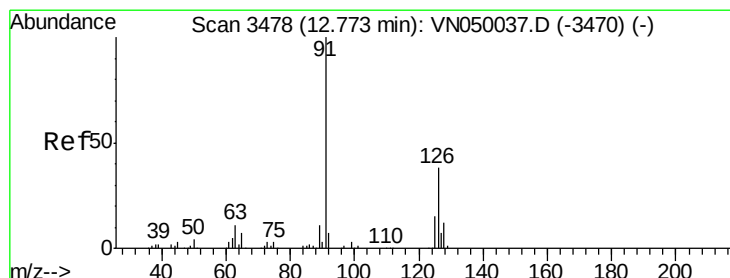
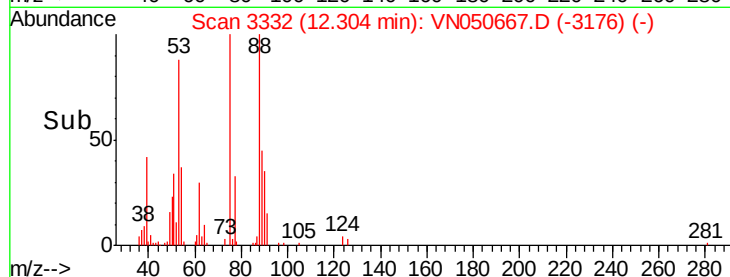
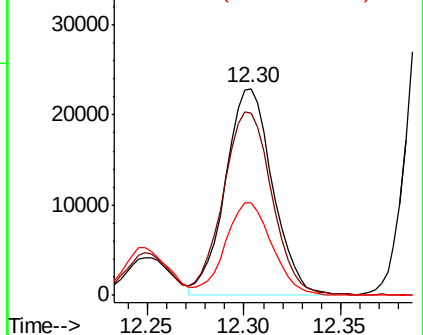
89 45.2 20.7 62.1



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: 20.22 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050667.D

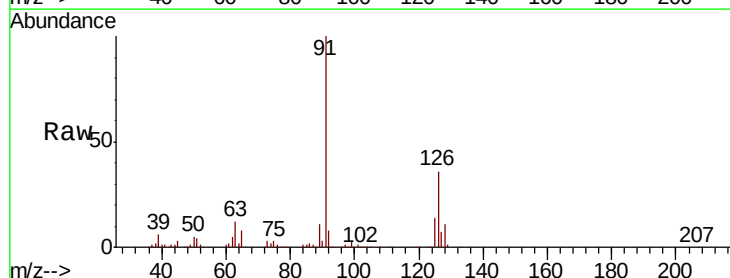
Acq: 15 Aug 2018 20:35

Tgt Ion: 91 Resp: 437017

Ion Ratio Lower Upper

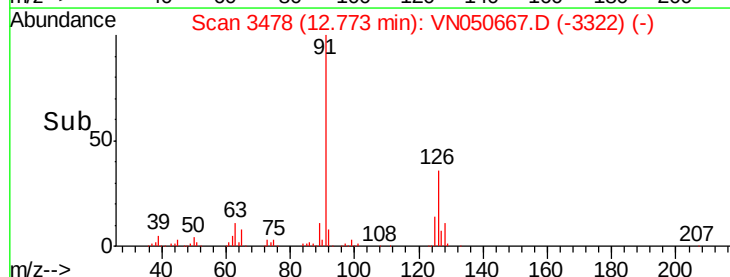
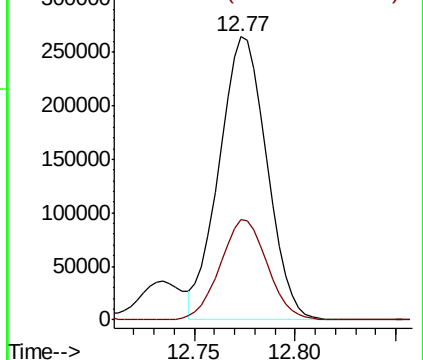
91 100

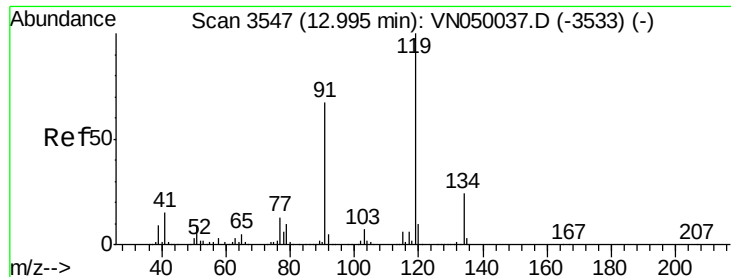
126 34.9 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

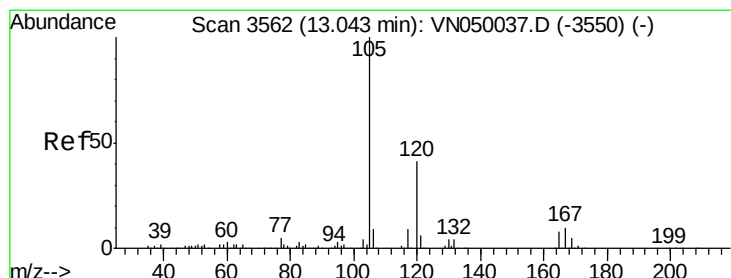
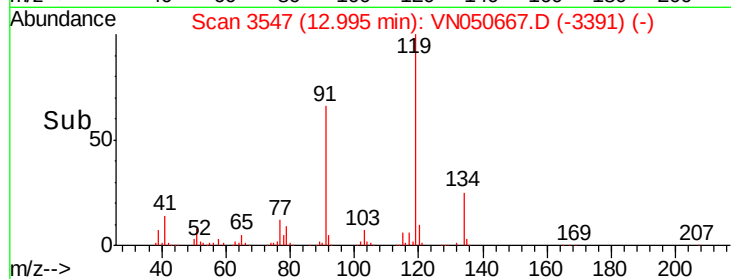
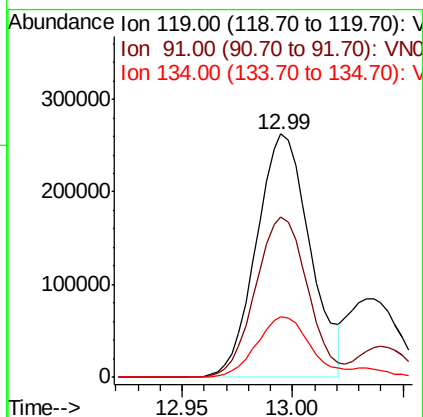
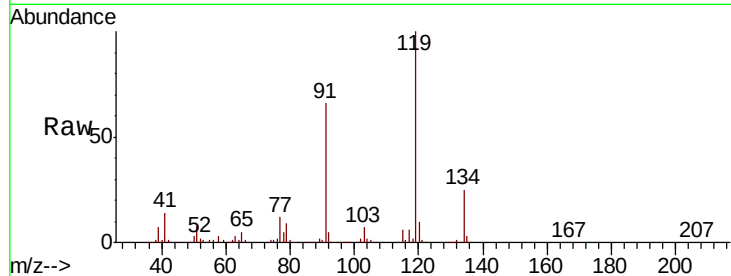




#79
tert-butylbenzene
Concen: 20.20 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

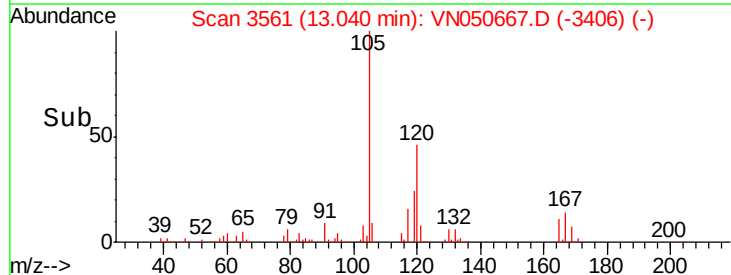
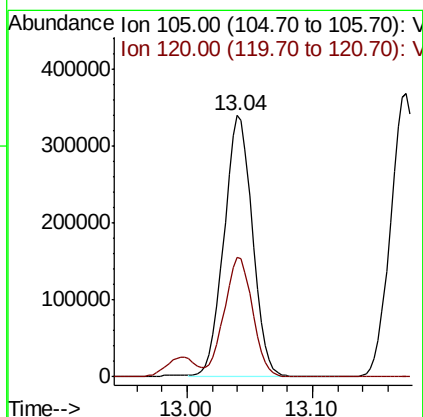
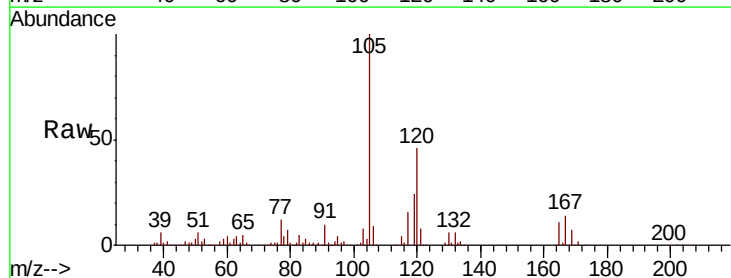
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

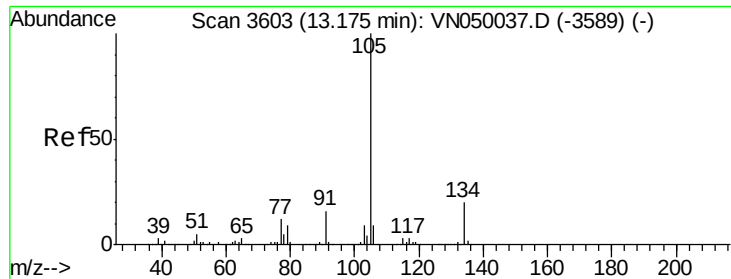
Tot Ion:119 Resp: 442265
Ion Ratio Lower Upper
119 100
91 64.4 0.0 126.8
134 25.0 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.61 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion:105 Resp: 534711
Ion Ratio Lower Upper
105 100
120 45.3 0.0 90.6





#81

sec-Butylbenzene

Concen: 19.73 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

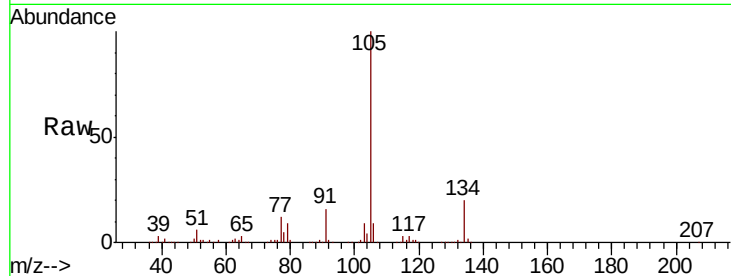
VSTDCCC020

Tot Ion:105 Resp: 586742

Ion Ratio Lower Upper

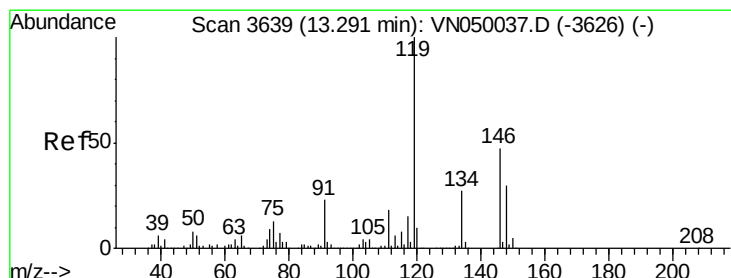
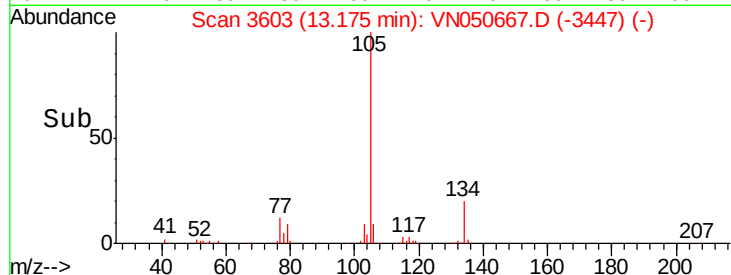
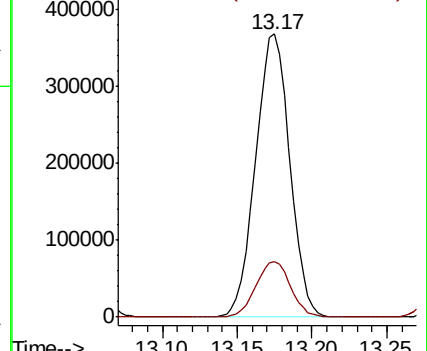
105 100

134 20.0 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

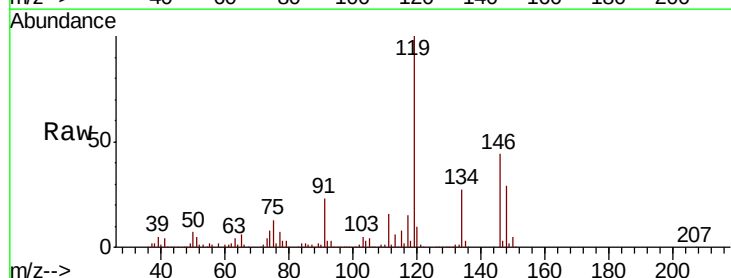
Tgt Ion:119 Resp: 493889

Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.2

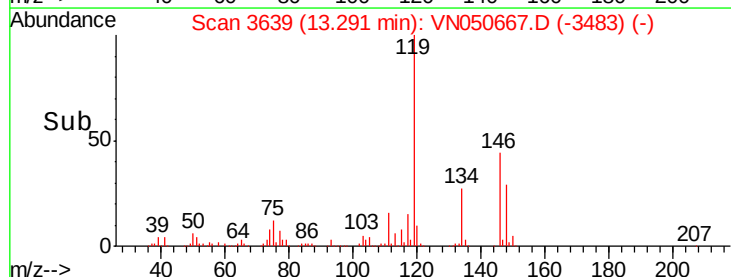
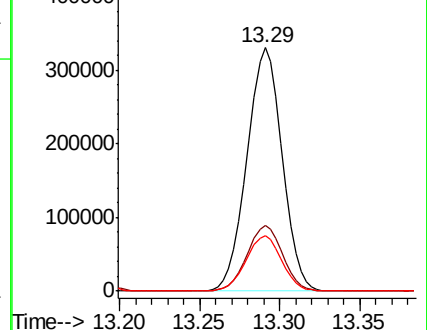
91 22.9 0.0 45.6

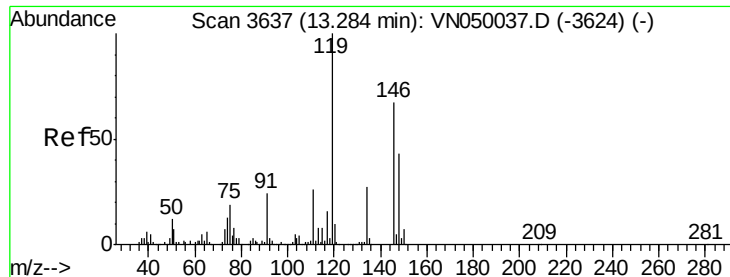


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VNO





#83

1,3-Dichlorobenzene

Concen: 19.69 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

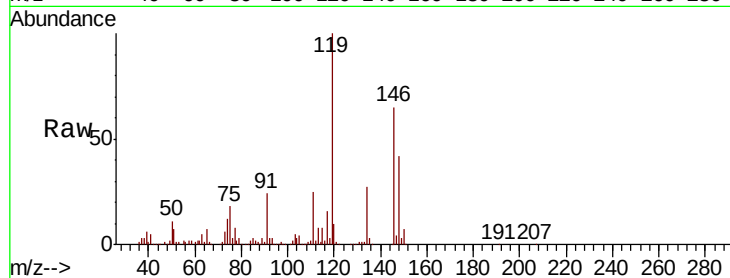
Tot Ion:146 Resp: 284799

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

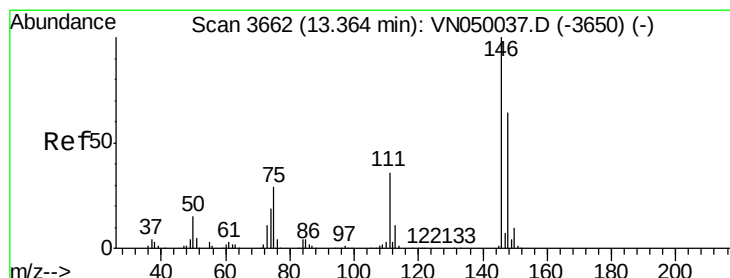
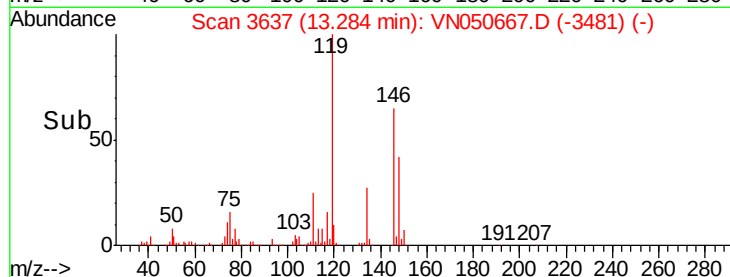
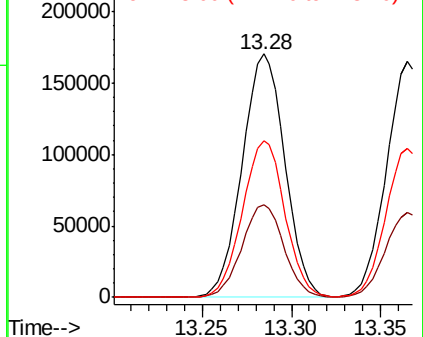
148 64.0 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.55 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

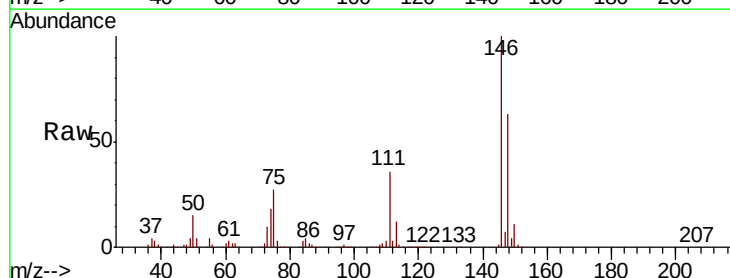
Tgt Ion:146 Resp: 267173

Ion Ratio Lower Upper

146 100

111 37.1 17.9 53.8

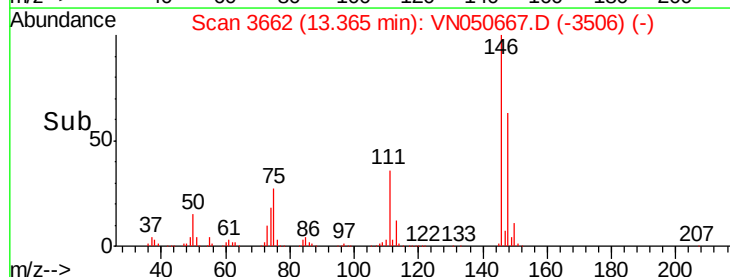
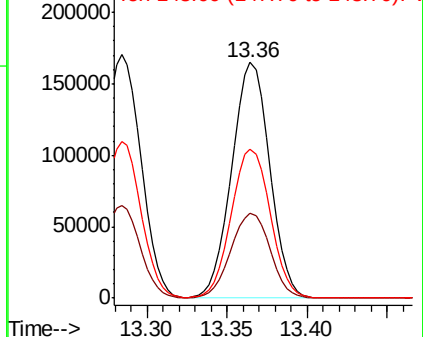
148 64.9 32.4 97.0

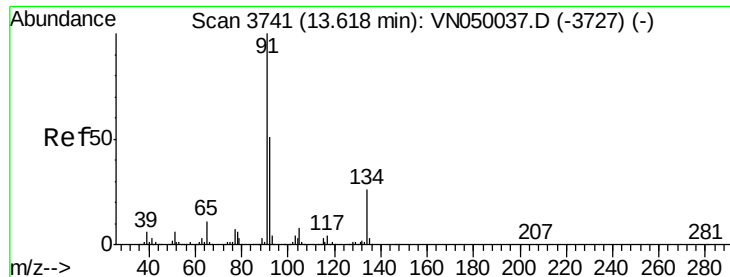


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.86 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

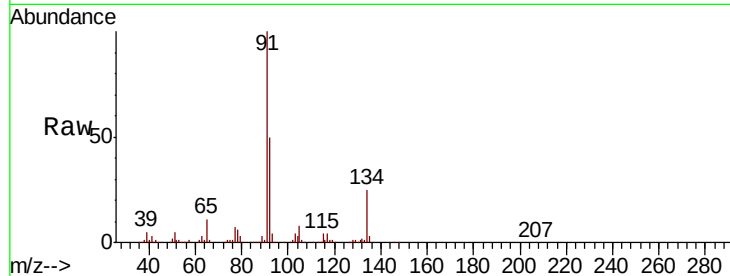
Tot Ion: 91 Resp: 367933

Ion Ratio Lower Upper

91 100

92 50.2 0.0 102.8

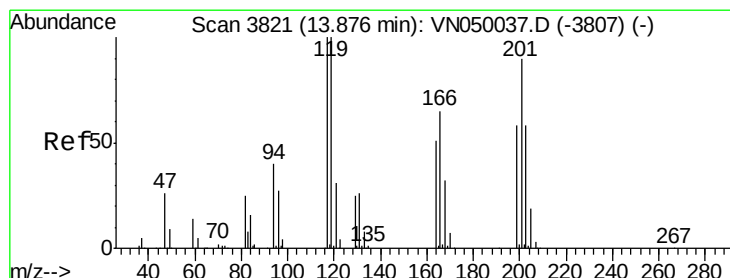
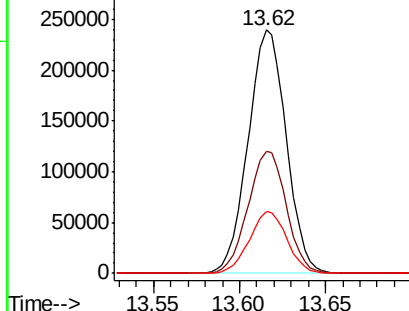
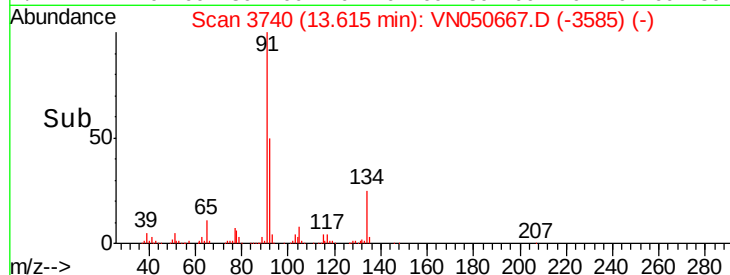
134 25.0 0.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86

Hexachloroethane

Concen: 18.86 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050667.D

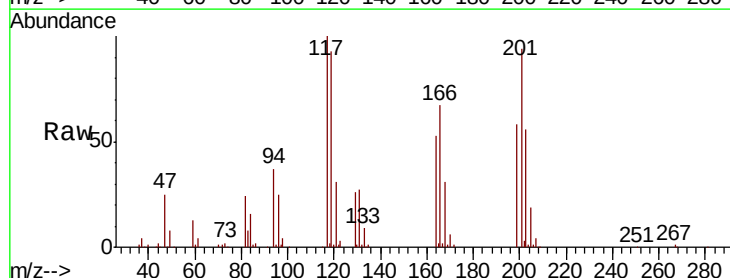
Acq: 15 Aug 2018 20:35

Tgt Ion: 117 Resp: 95650

Ion Ratio Lower Upper

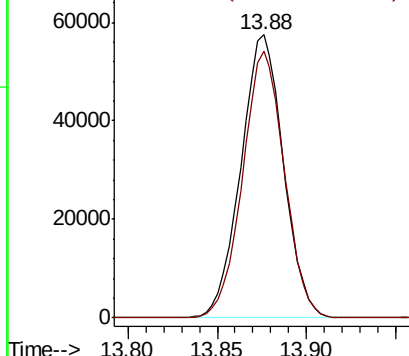
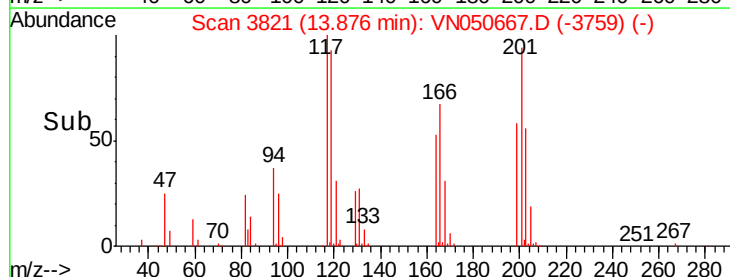
117 100

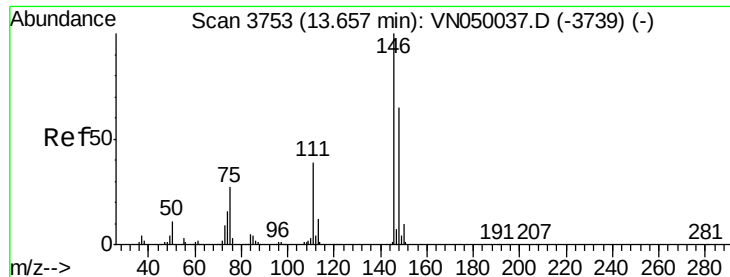
201 92.1 46.6 139.7



Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

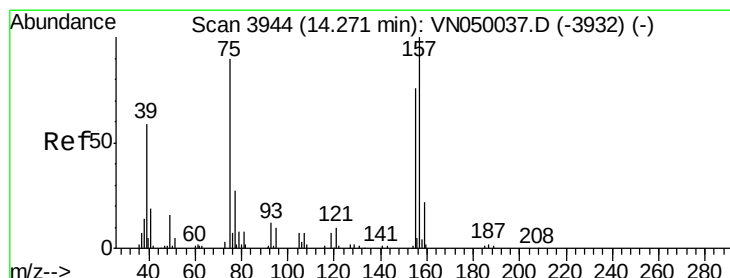
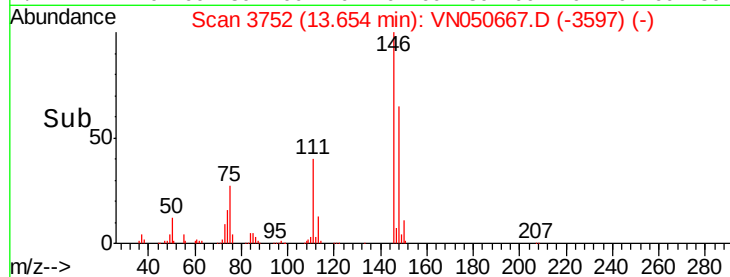
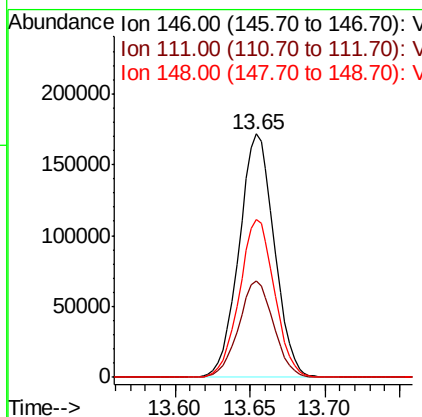
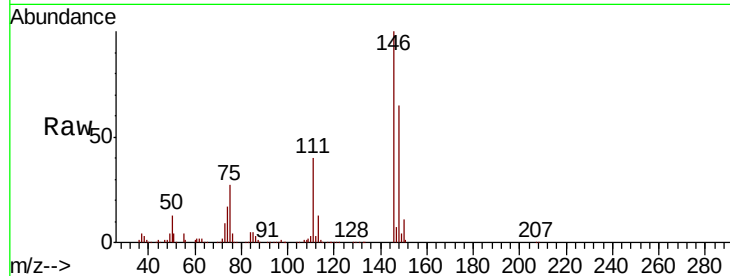




#87
 1,2-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

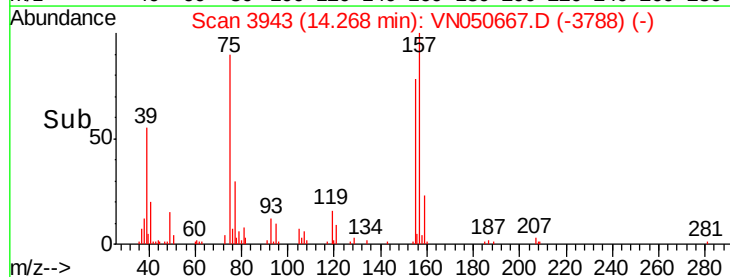
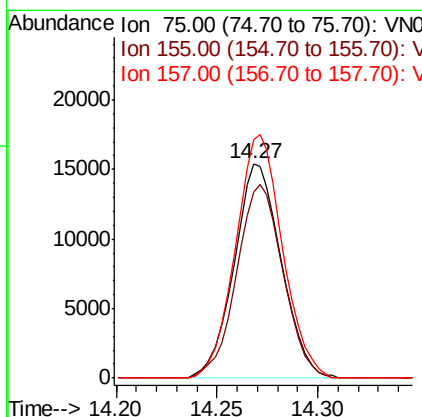
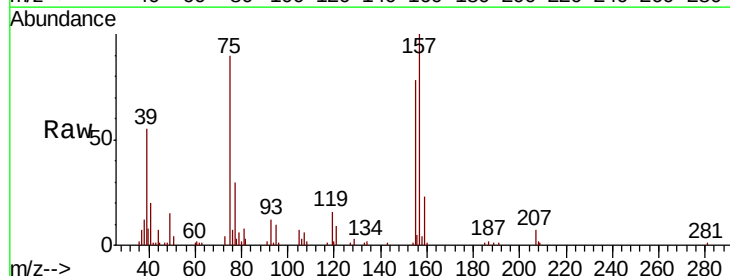
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

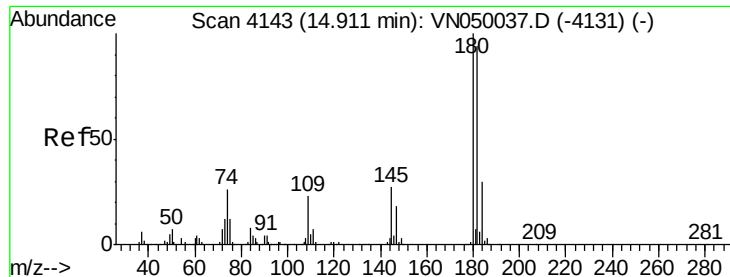
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.6	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	73.0	109.6
157	113.2	94.9	142.3

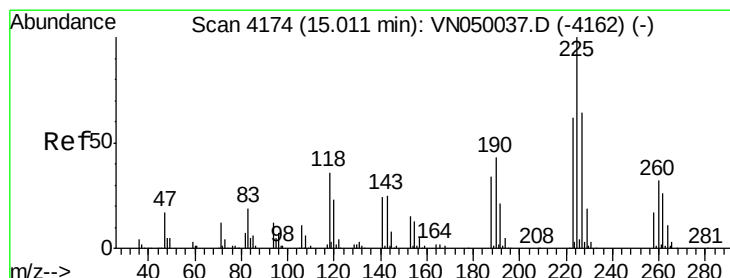
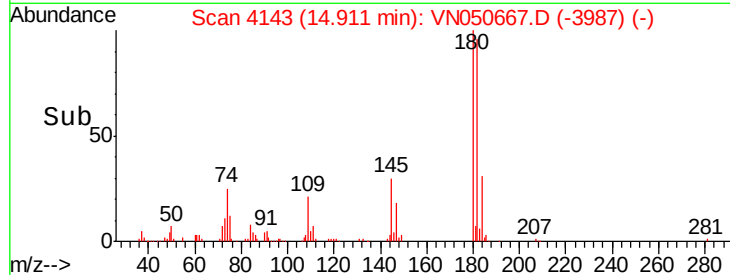
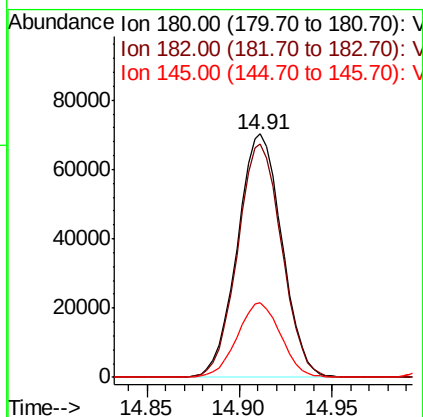
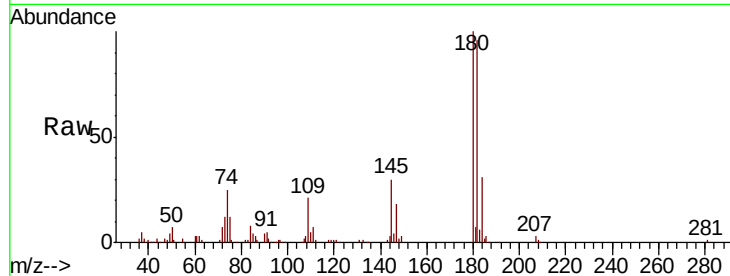




#89
 1,2,4-Trichlorobenzene
 Concen: 17.40 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

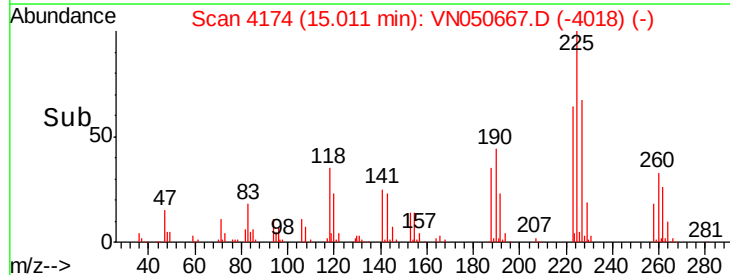
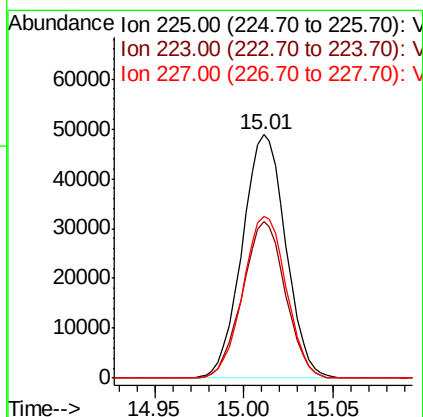
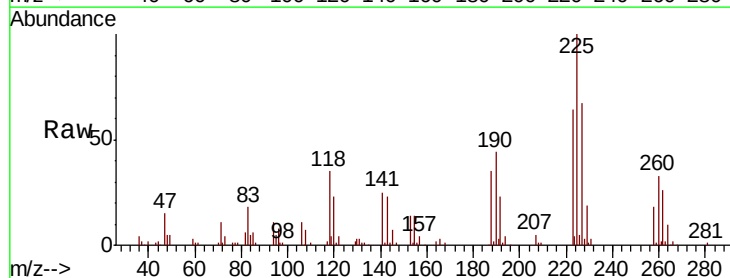
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

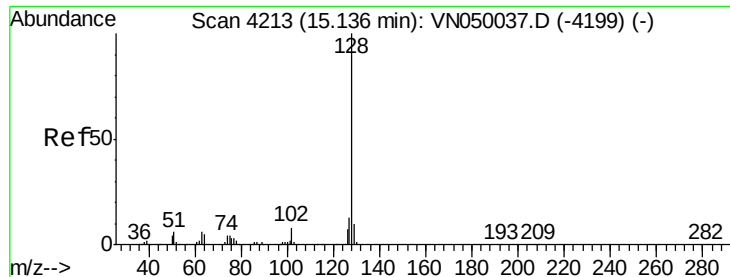
Tot Ion:180 Resp: 117497
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 29.9 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 18.64 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion:225 Resp: 83000
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 124.4
 227 66.2 0.0 133.0

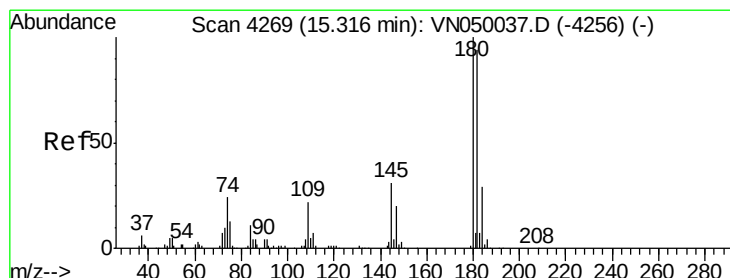
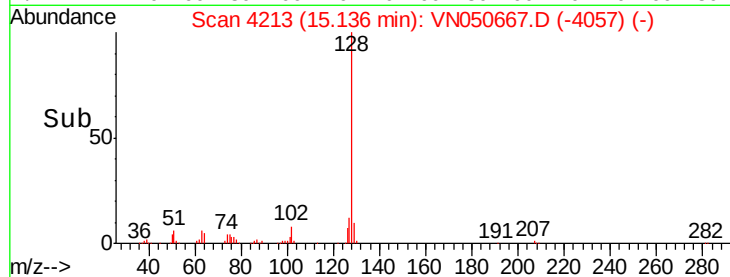
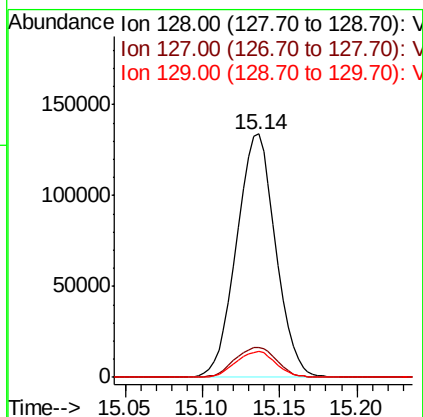
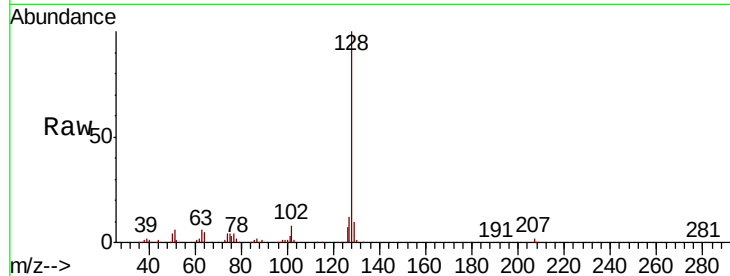




#91
Naphthalene
Concen: 18.75 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	9.0	13.4



#92
1,2,3-Trichlorobenzene
Concen: 17.70 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	188.8
145	29.7	0.0	60.8

