

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051173.D
 Acq On : 14 Sep 2018 7:44
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 14 14:44:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	112946	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	619348	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	523681	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211358	29.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.73%
60) 4-Bromofluorobenzene	12.40	95	227018	29.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.17%
63) Toluene-d8	10.09	98	755626	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	110388	15.738	ug/l 99
3) Chloromethane	2.06	50	140978	17.021	ug/l 100
4) Vinyl Chloride	2.18	62	146733	17.930	ug/l 100
5) Bromomethane	2.57	94	84550	16.950	ug/l 98
6) Chloroethane	2.71	64	92106	19.081	ug/l 98
7) Trichlorofluoromethane	3.02	101	214978	19.815	ug/l 99
8) Diethyl Ether	3.41	74	70740	18.494	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138720	20.648	ug/l 98
10) 1,1-Dichloroethene	3.74	96	120512	19.747	ug/l 95
11) Methyl Iodide	3.95	142	90590	15.909	ug/l 98
12) Methyl Acetate	4.33	43	93897	13.305	ug/l 97
13) Acrolein	3.61	56	40600	259.813	ug/l 96
14) Acrylonitrile	4.99	53	189291	79.333	ug/l 98
15) Acetone	3.82	58	61879	101.347	ug/l 89
16) Carbon Disulfide	4.05	76	344398	18.768	ug/l 100
17) Allyl chloride	4.33	41	178422	18.580	ug/l 98
18) Methylene Chloride	4.55	84	140954	19.677	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	129219	19.872	ug/l 96
20) Diisopropyl ether	5.95	45	396299	19.882	ug/l 99
21) 1,1-Dichloroethane	5.85	63	246731	20.188	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	146580	19.956	ug/l 99
23) tert-Butyl Alcohol	4.79	59	33910	66.826	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	302139	18.101	ug/l 99
25) Chloroform	7.37	83	250430	20.530	ug/l 98
26) Cyclohexane	7.65	56	195984	19.356	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	181890	19.617	ug/l 98
30) 2-Butanone	6.84	43	224628	78.750	ug/l 100
31) 2,2-Dichloropropane	6.82	77	199020	22.059	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	213868	20.340	ug/l 98
33) Carbon Tetrachloride	7.77	117	192640	20.344	ug/l 97
34) Benzene	8.04	78	558710	19.478	ug/l 99
35) Methacrylonitrile	7.17	41	44928	14.376	ug/l 96
36) 1,2-Dichloroethane	8.13	62	161918	18.665	ug/l 98
37) Trichloroethene	8.83	130	149516	19.943	ug/l 98
38) Methylcyclohexane	9.08	83	195015	19.583	ug/l 98
39) 1,2-Dichloropropane	9.12	63	146733	19.586	ug/l 98
40) Dibromomethane	9.21	93	84079	18.631	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	186785	19.635	ug/l	97
42) Vinyl Acetate	5.90	43	1183858	90.106	ug/l	99
43) Ethyl Acetate	6.93	43	95878	16.408	ug/l	95
44) Isopropyl Acetate	8.16	43	169581	16.446	ug/l	97
45) 1,4-Dioxane	9.20	88	22539	294.261	ug/l	99
46) Methyl methacrylate	9.20	41	78337	15.169	ug/l	98
47) n-amyl Acetate	12.07	43	111098	13.402	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	166483	17.853	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	203748	19.021	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	123591	18.849	ug/l	99
51) Ethyl methacrylate	10.43	69	130057	16.211	ug/l	97
52) 1,3-Dichloropropane	10.71	76	199851	18.401	ug/l	99
53) Dibromochloromethane	10.90	129	140144	18.796	ug/l	100
54) 1,2-Dibromoethane	11.00	107	111876	17.255	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	235376	70.512	ug/l	99
56) Bromoform	12.13	173	88951	16.774	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	455796	76.071	ug/l	99
59) 2-Hexanone	10.75	43	285075	72.789	ug/l	100
61) Tetrachloroethene	10.63	164	137138	21.015	ug/l	97
62) Toluene	10.16	91	599848	20.532	ug/l	100
64) Chlorobenzene	11.43	112	364370	20.123	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	143546	20.997	ug/l	99
66) Ethyl Benzene	11.51	91	590988	19.529	ug/l	99
67) m/p-Xylenes	11.62	106	470130	40.376	ug/l	99
68) o-Xylene	11.95	106	224464	20.175	ug/l	98
69) Styrene	11.96	104	344653	19.484	ug/l	100
70) Isopropylbenzene	12.25	105	594943	20.124	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	138408	17.291	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	154581	22.385	ug/l	90
73) Bromobenzene	12.53	156	149053	19.163	ug/l	95
74) n-propylbenzene	12.59	91	655261	19.605	ug/l	100
75) 2-Chlorotoluene	12.67	91	401852	19.790	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	487409	20.175	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29040	14.761	ug/l	99
78) 4-Chlorotoluene	12.77	91	376871	18.850	ug/l	98
79) tert-butylbenzene	12.99	119	413911	19.727	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	486037	20.178	ug/l	99
81) sec-Butylbenzene	13.17	105	548118	19.966	ug/l	99
82) p-Isopropyltoluene	13.29	119	466367	19.681	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244531	18.595	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	224429	18.011	ug/l	97
85) n-Butylbenzene	13.62	91	323188	17.875	ug/l	99
86) Hexachloroethane	13.87	117	91845	20.194	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	240449	18.576	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16194	14.461	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	77658	13.476	ug/l	100
90) Hexachlorobutadiene	15.01	225	82203	20.996	ug/l	99
91) Naphthalene	15.13	128	131036	15.852	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	83168	14.383	ug/l	99

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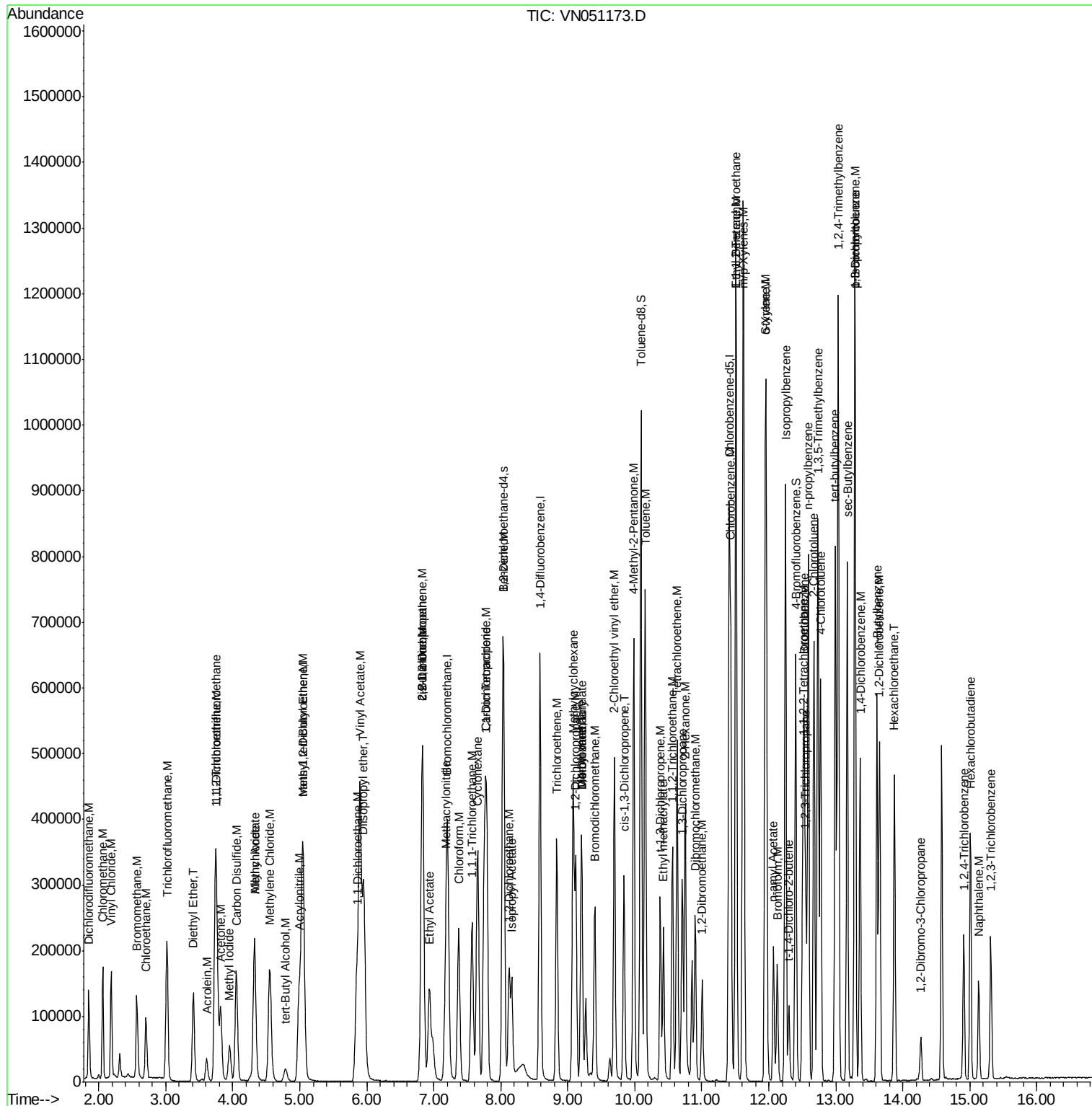
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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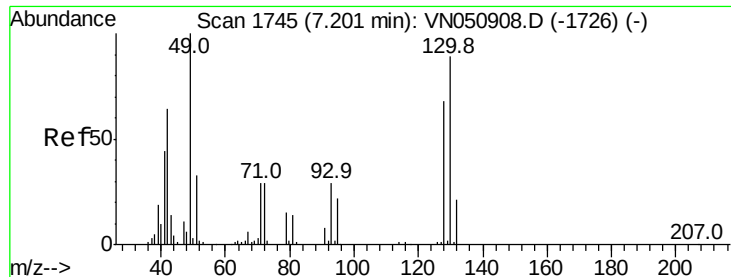
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
VSTDCCC020

Quant Time: Sep 14 14:44:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

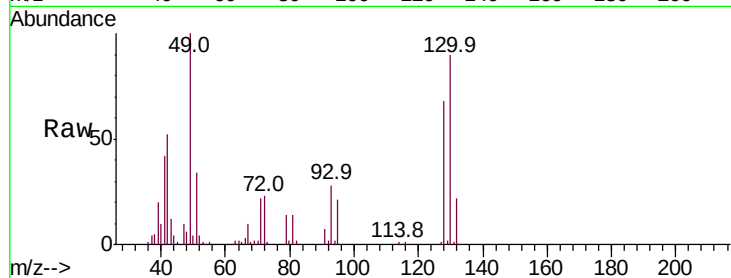
Tot Ion:128 Resp: 112946

Ion Ratio Lower Upper

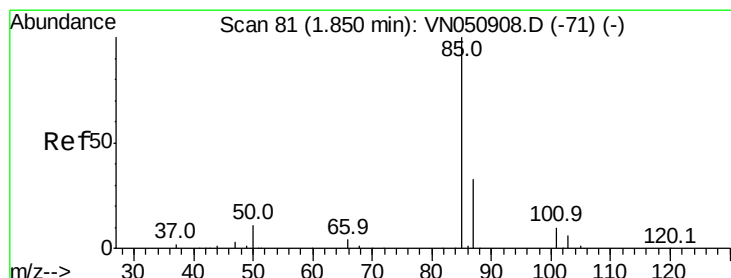
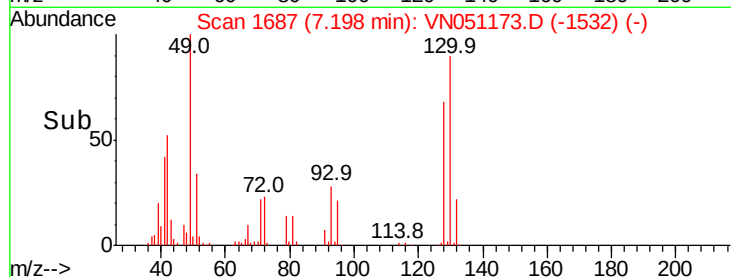
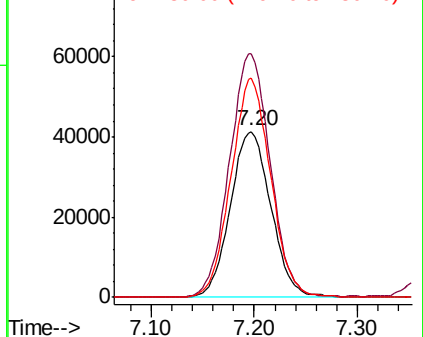
128 100

49 147.8 0.0 380.3

130 130.2 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.738 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051173.D

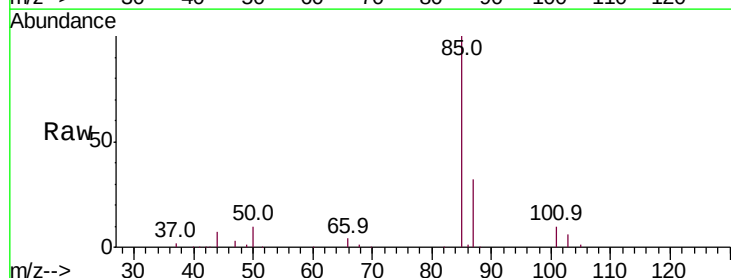
Acq: 14 Sep 2018 7:44

Tgt Ion: 85 Resp: 110388

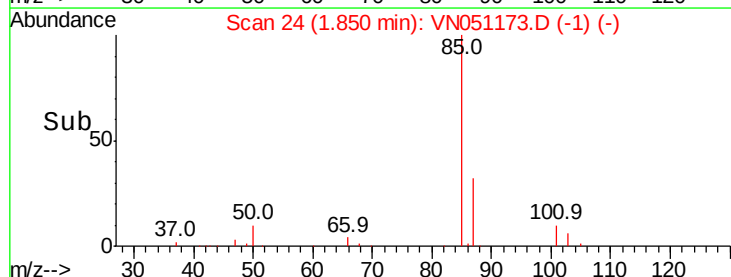
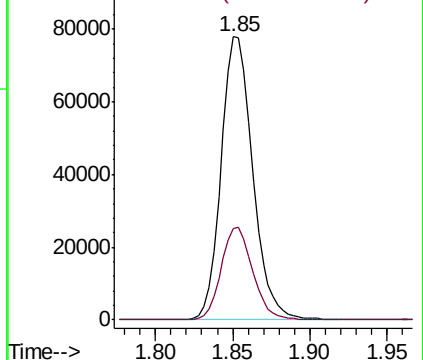
Ion Ratio Lower Upper

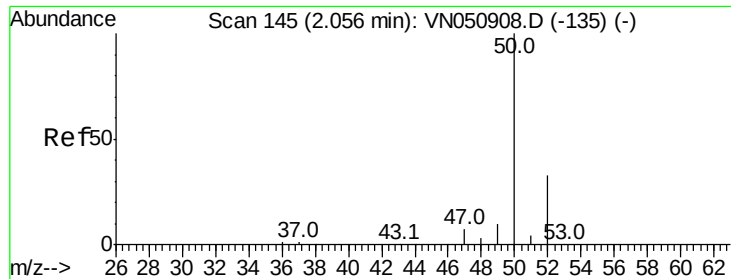
85 100

87 32.3 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

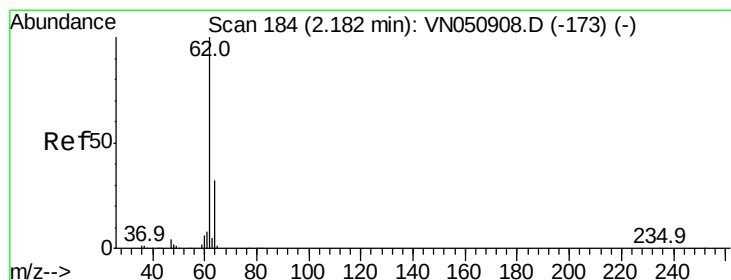
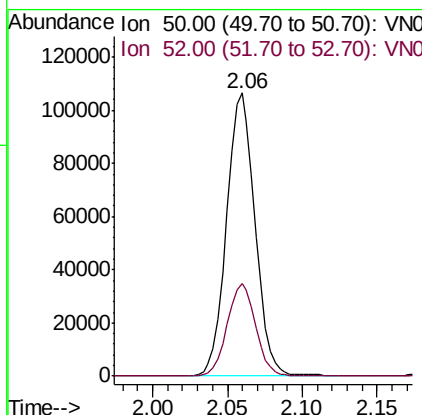
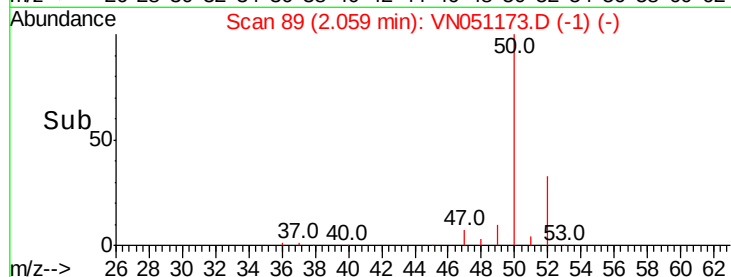
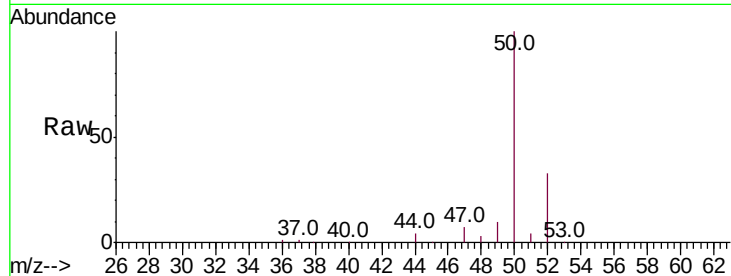




#3
Chloromethane
Concen: 17.021 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

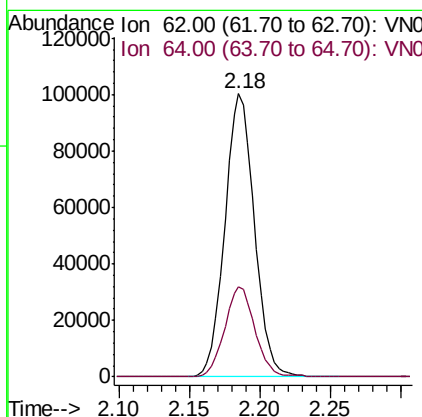
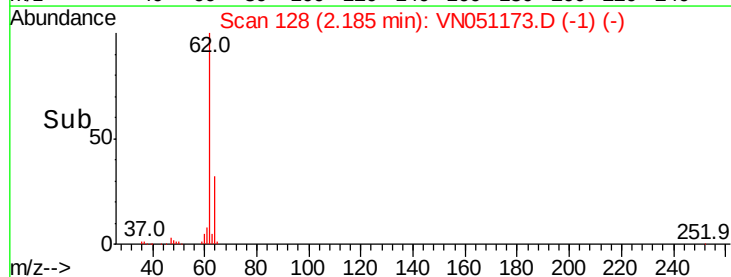
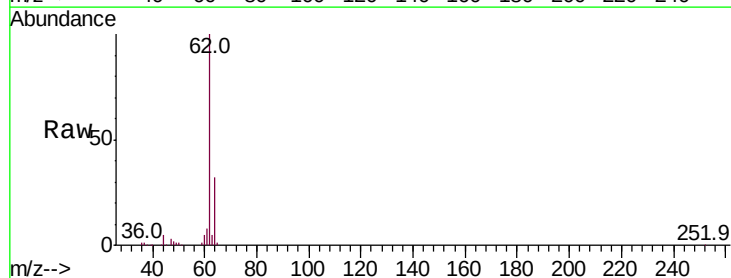
Instrument :
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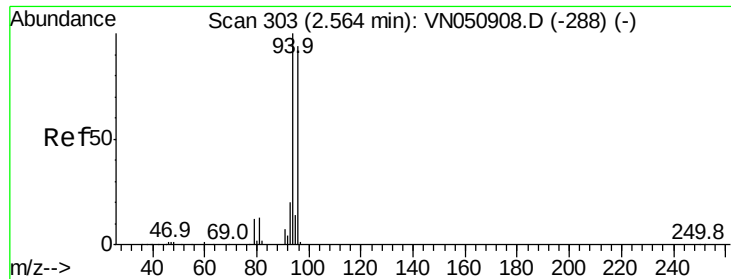
Tot Ion: 50 Resp: 140978
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.4



#4
Vinyl Chloride
Concen: 17.930 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 62 Resp: 146733
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0





#5

Bromomethane

Concen: 16.950 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampled :

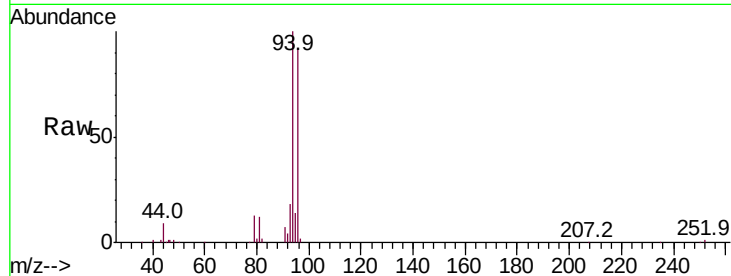
VSTDCCC020

Tot Ion: 94 Resp: 84550

Ion Ratio Lower Upper

94 100

96 91.5 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

50000

40000

30000

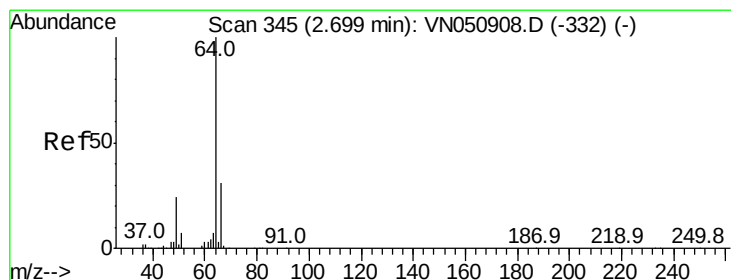
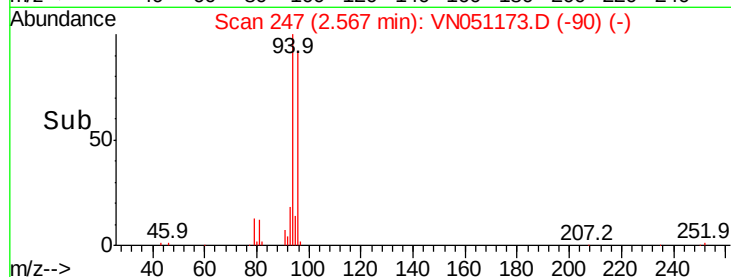
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.081 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051173.D

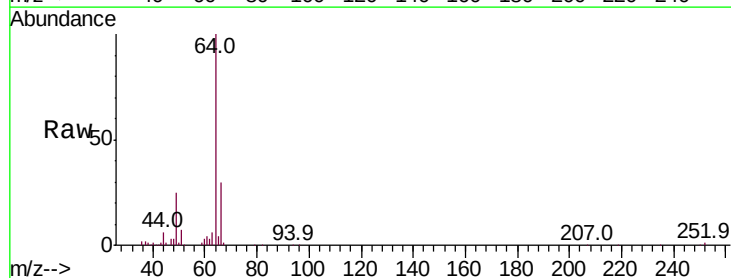
Acq: 14 Sep 2018 7:44

Tgt Ion: 64 Resp: 92106

Ion Ratio Lower Upper

64 100

66 29.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

50000

40000

30000

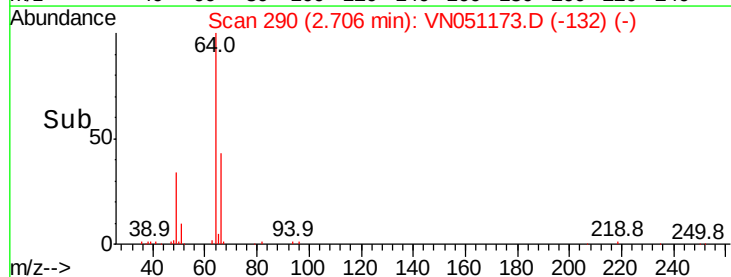
20000

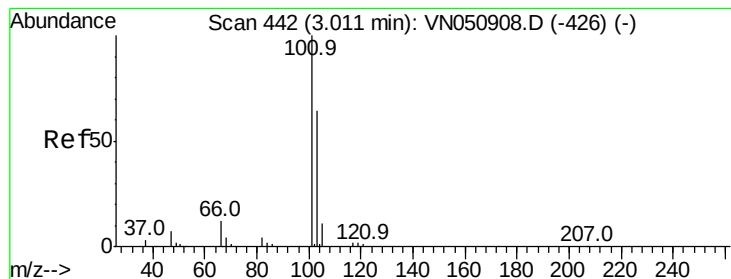
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



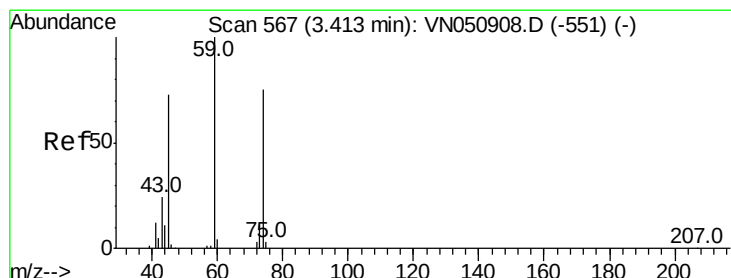
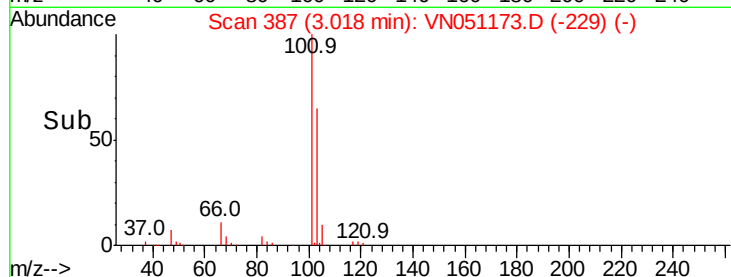
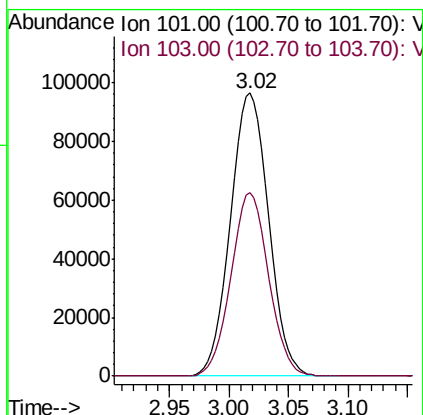
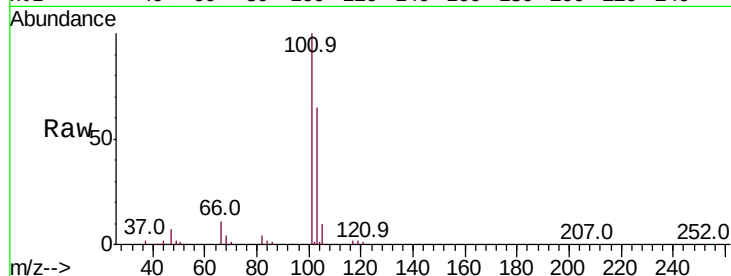


#7

Trichlorofluoromethane
 Concen: 19.815 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

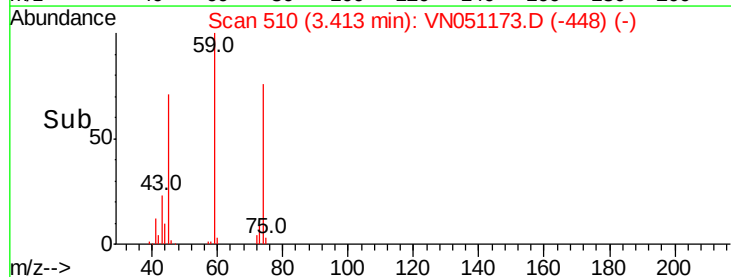
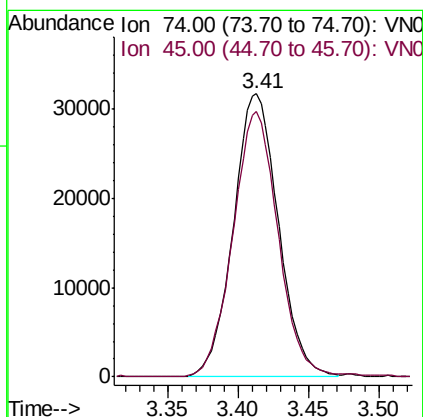
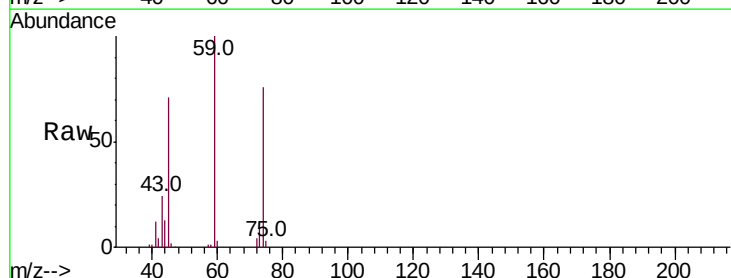
Tot Ion:101 Resp: 214978
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9

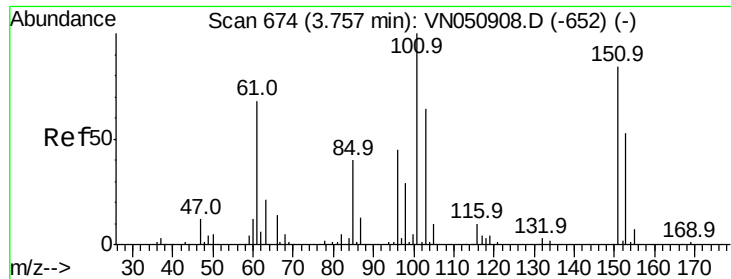


#8

Diethyl Ether
 Concen: 18.494 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 74 Resp: 70740
 Ion Ratio Lower Upper
 74 100
 45 93.9 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.648 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

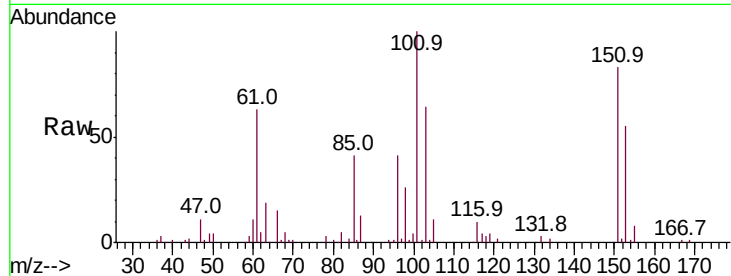
Tot Ion:101 Resp: 138720

Ion Ratio Lower Upper

101 100

85 41.4 0.0 83.6

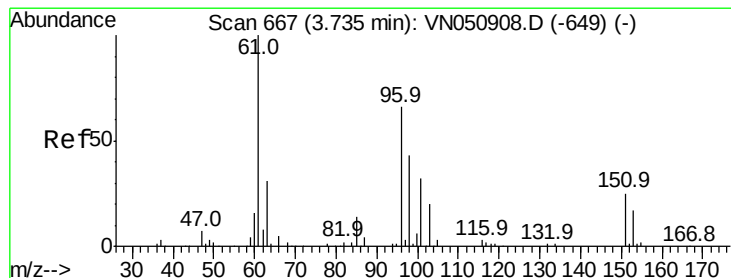
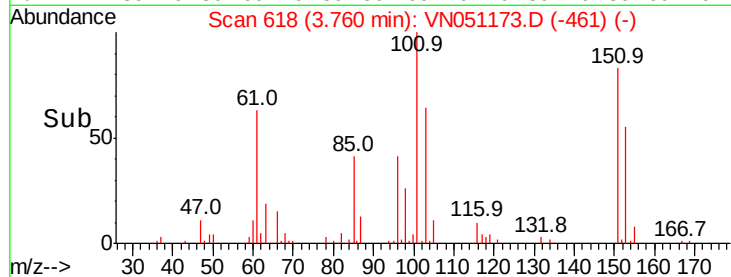
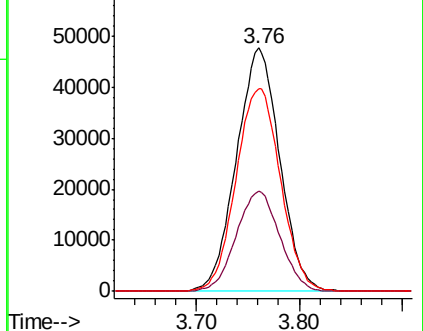
151 85.6 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.747 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

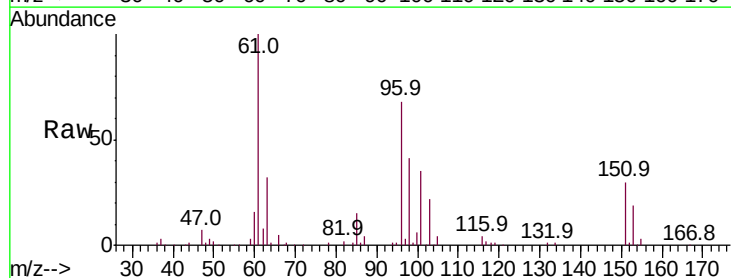
Tgt Ion: 96 Resp: 120512

Ion Ratio Lower Upper

96 100

61 147.1 121.8 182.8

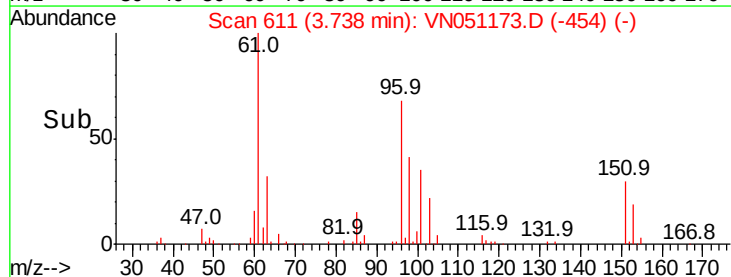
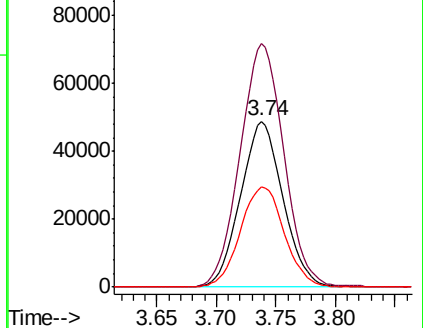
98 60.3 52.3 78.5

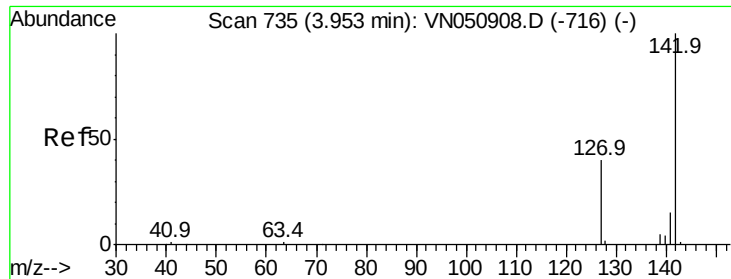


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

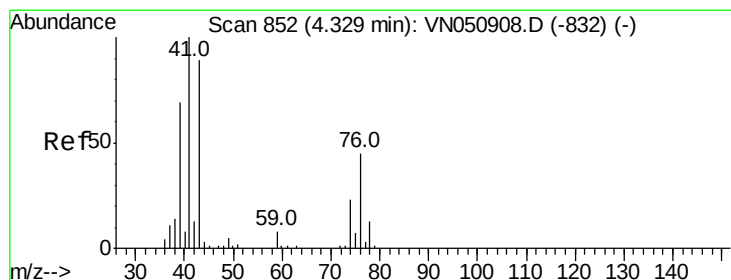
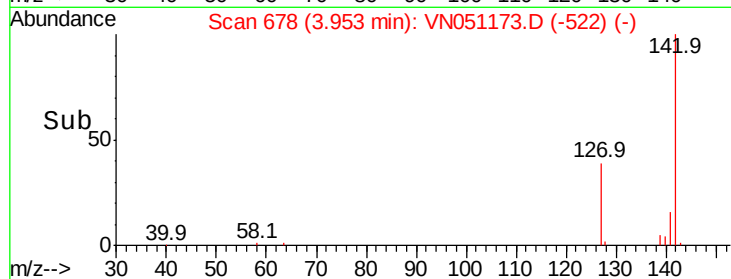
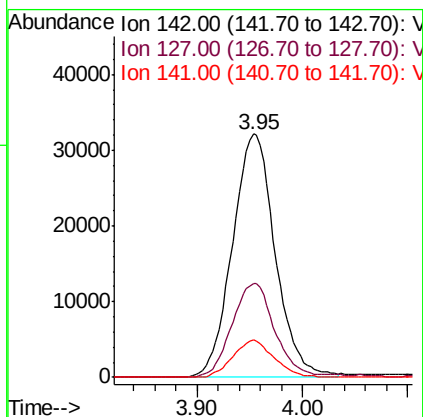
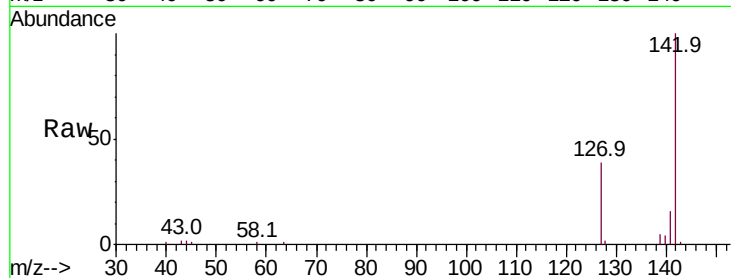




#11
Methvl Iodide
Concen: 15.909 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

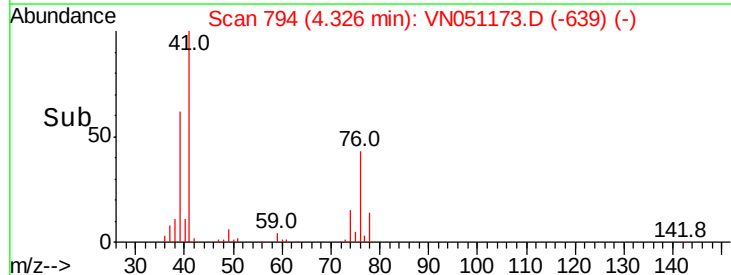
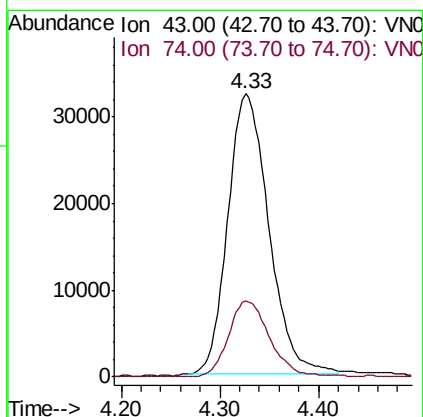
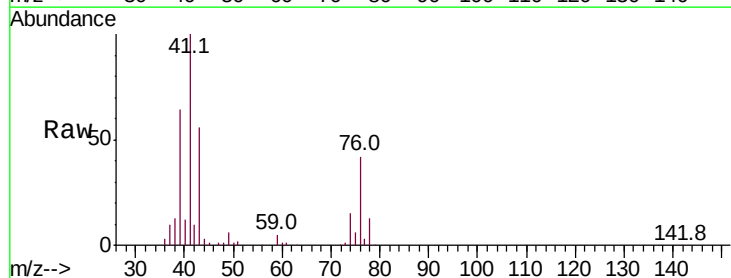
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

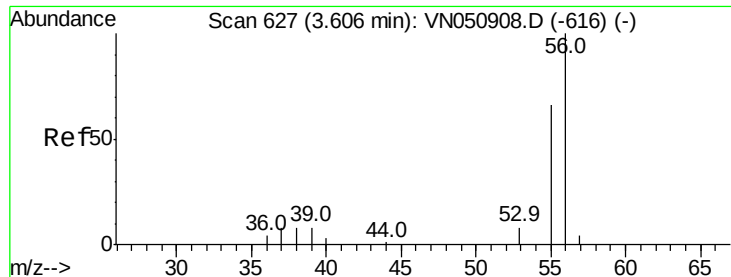
Tot Ion:142 Resp: 90590
Ion Ratio Lower Upper
142 100
127 38.2 19.7 59.1
141 15.6 7.3 22.0



#12
Methyl Acetate
Concen: 13.305 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 43 Resp: 93897
Ion Ratio Lower Upper
43 100
74 27.1 20.6 31.0





#13

Acrolein

Concen: 259.813 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

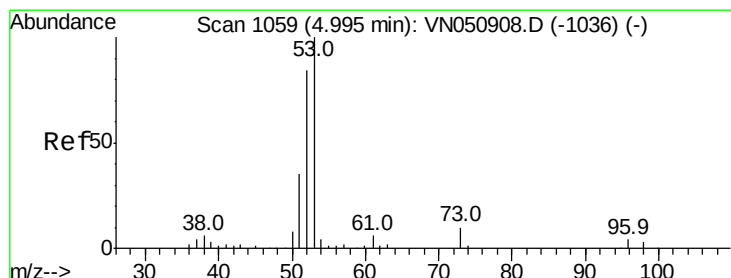
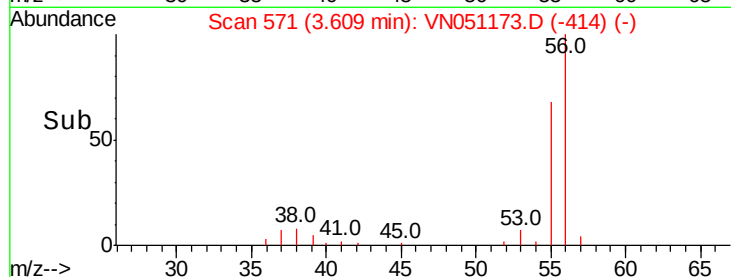
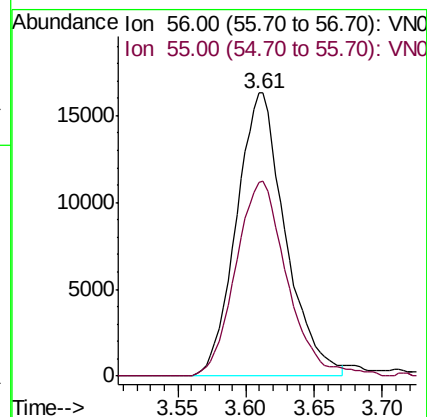
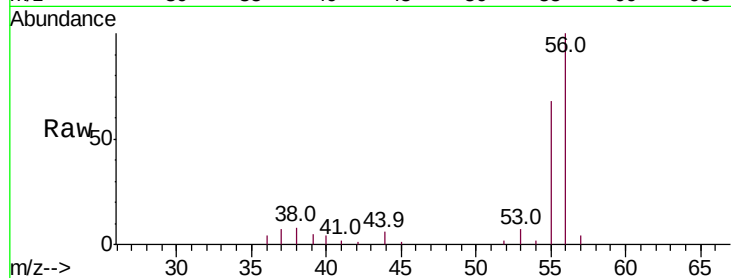
VSTDCCC020

Tot Ion: 56 Resp: 40600

Ion Ratio Lower Upper

56 100

55 70.4 59.1 88.7



#14

Acrylonitrile

Concen: 79.333 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

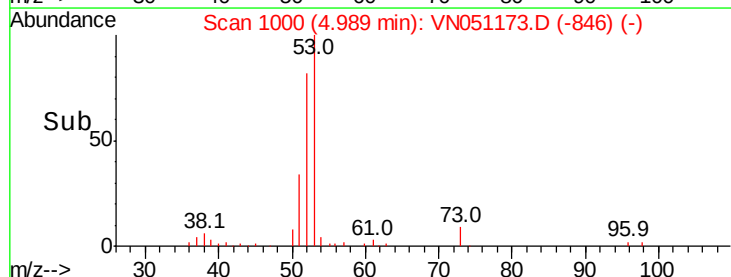
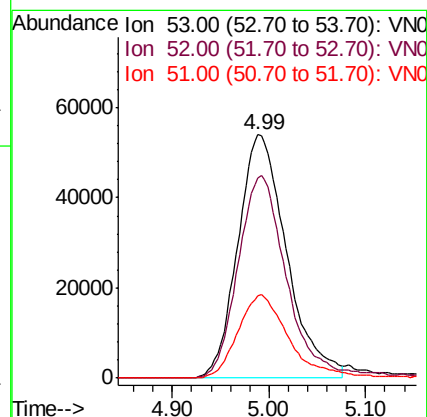
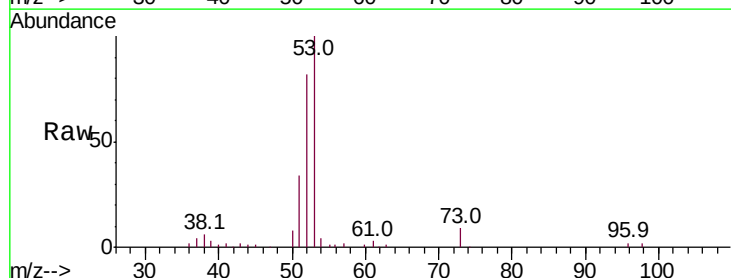
Tgt Ion: 53 Resp: 189291

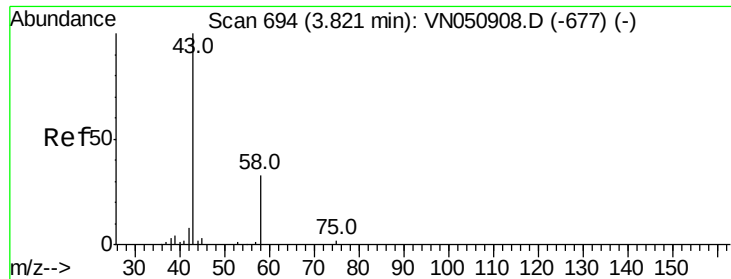
Ion Ratio Lower Upper

53 100

52 82.5 42.2 126.6

51 35.9 17.7 53.1





#15

Acetone

Concen: 101.347 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

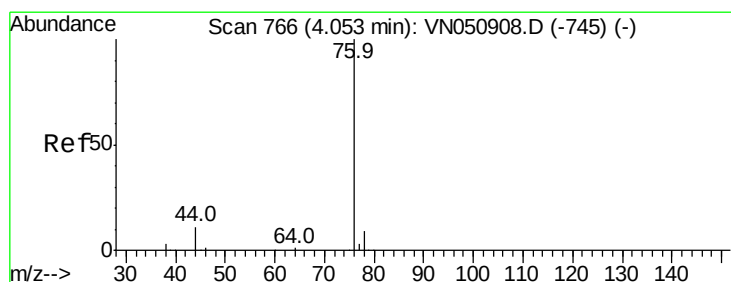
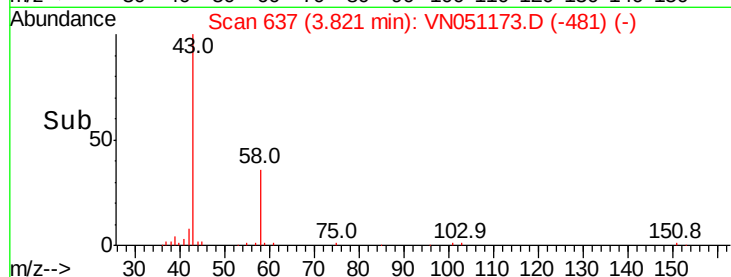
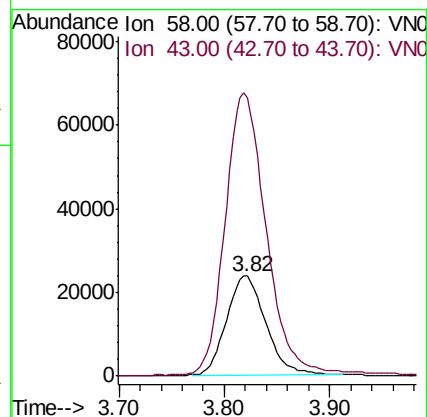
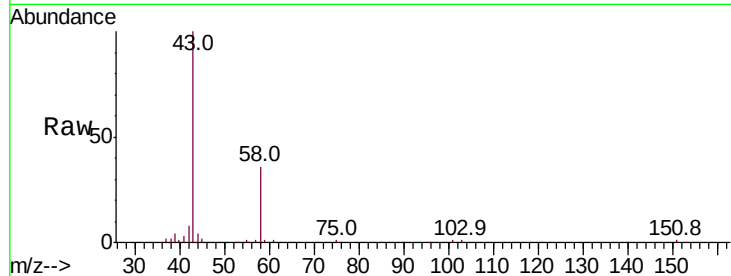
VSTDCCC020

Tot Ion: 58 Resp: 61879

Ion Ratio Lower Upper

58 100

43 277.5 239.4 359.0



#16

Carbon Disulfide

Concen: 18.768 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051173.D

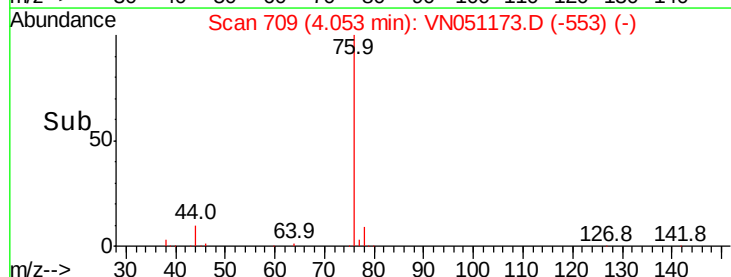
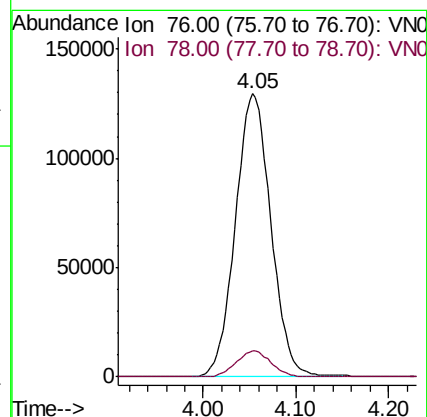
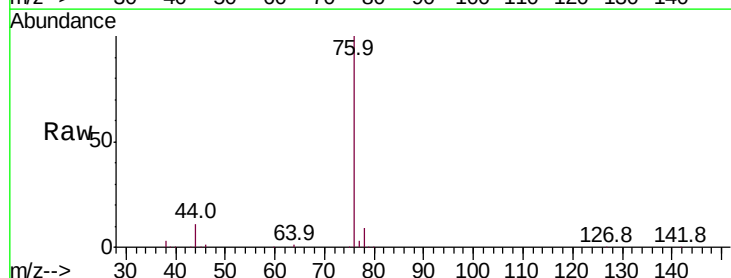
Acq: 14 Sep 2018 7:44

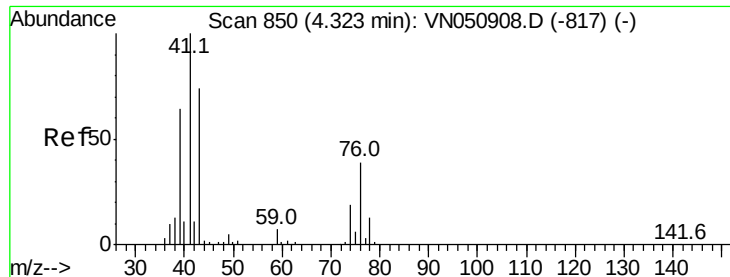
Tgt Ion: 76 Resp: 344398

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allvl chloride

Concen: 18.580 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

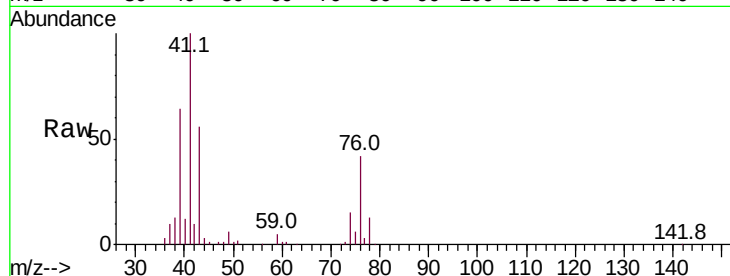
Tot Ion: 41 Resp: 178422

Ion Ratio Lower Upper

41 100

39 64.3 32.2 96.6

76 41.7 19.6 58.7

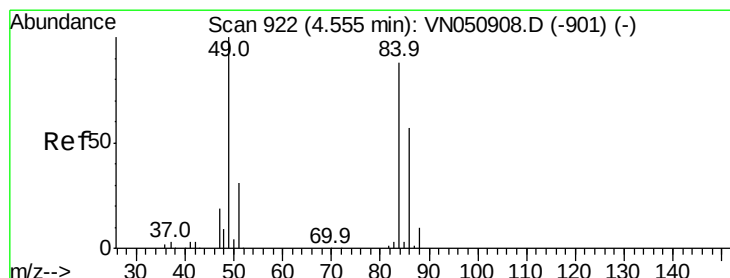
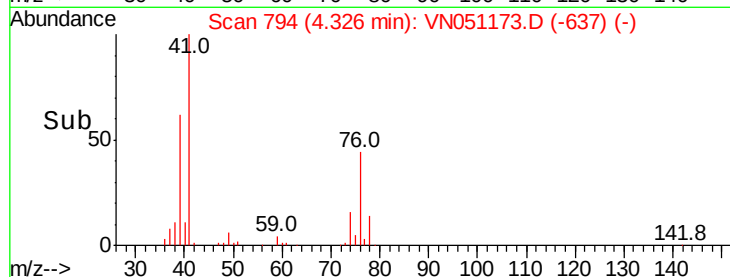
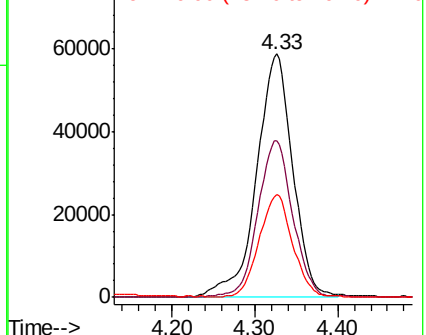


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 19.677 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion: 84 Resp: 140954

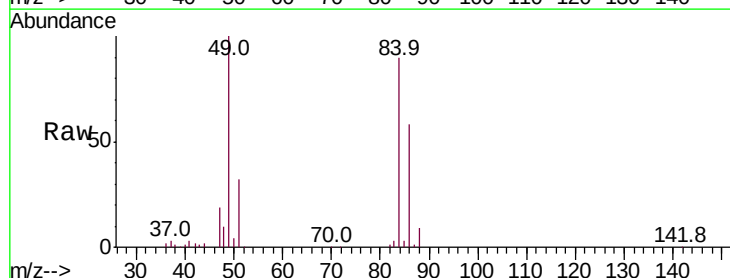
Ion Ratio Lower Upper

84 100

49 111.4 90.6 135.8

51 35.4 28.4 42.6

86 64.2 51.6 77.4



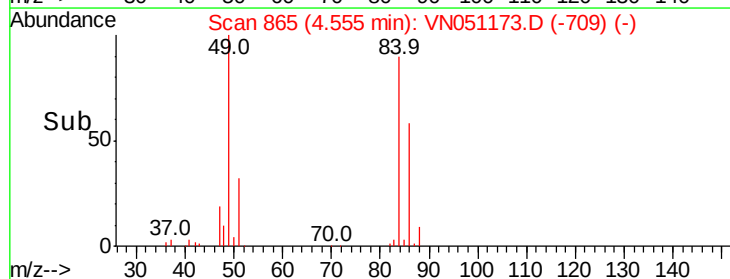
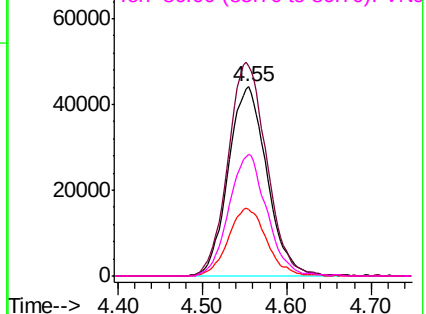
Abundance

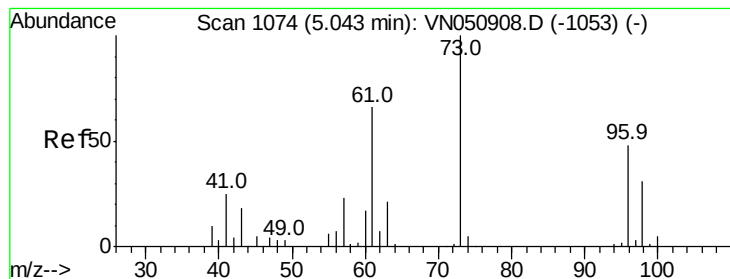
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 19.872 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

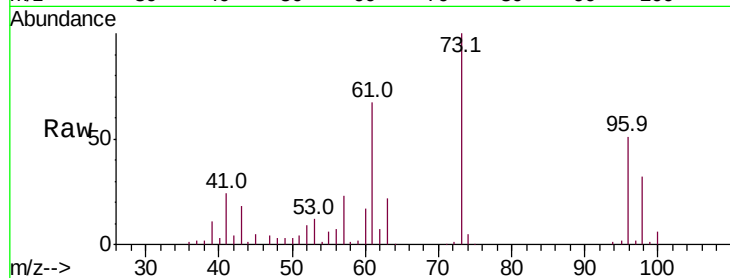
Tot Ion: 96 Resp: 129219

Ion Ratio Lower Upper

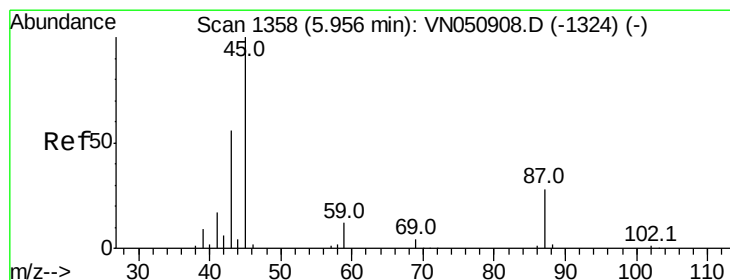
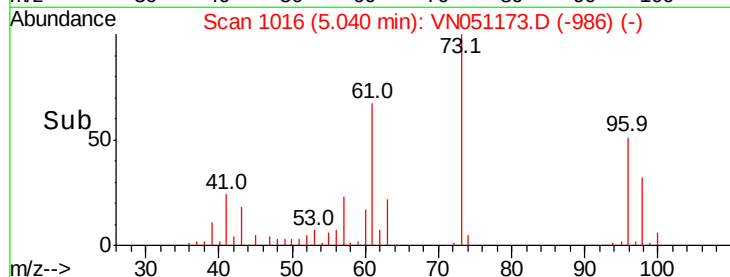
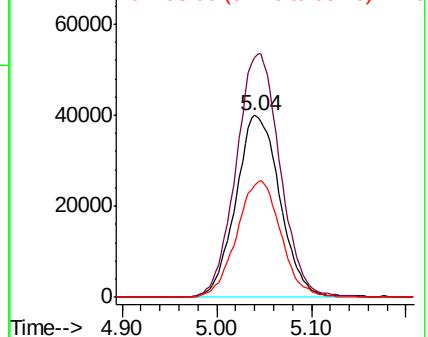
96 100

61 131.5 109.5 164.3

98 61.6 51.9 77.9



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



#20

Diisopropyl ether

Concen: 19.882 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion: 45 Resp: 396299

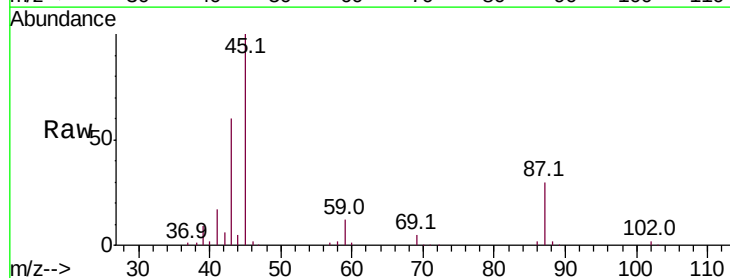
Ion Ratio Lower Upper

45 100

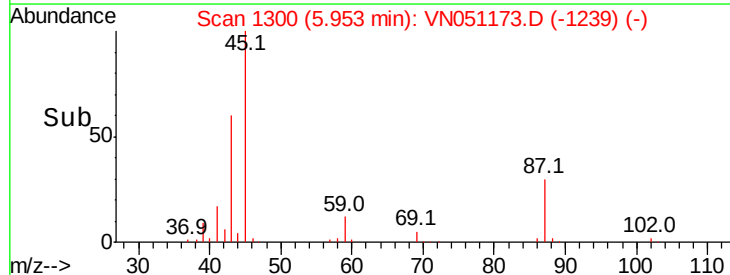
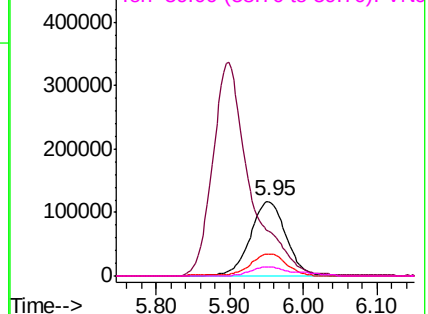
43 58.5 47.0 70.6

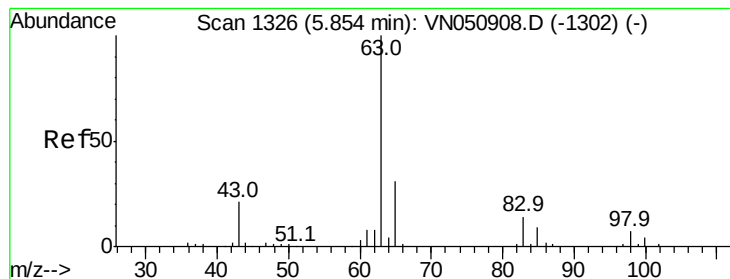
87 29.8 22.8 34.2

59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 20.188 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

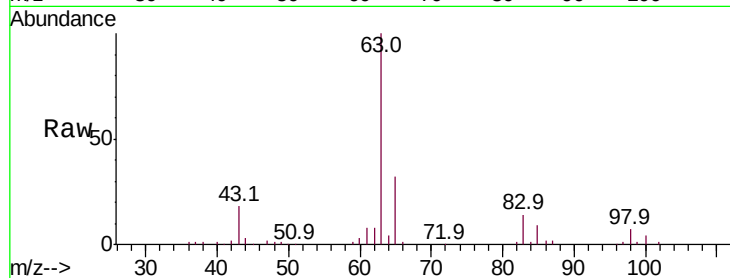
Tot Ion: 63 Resp: 246731

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

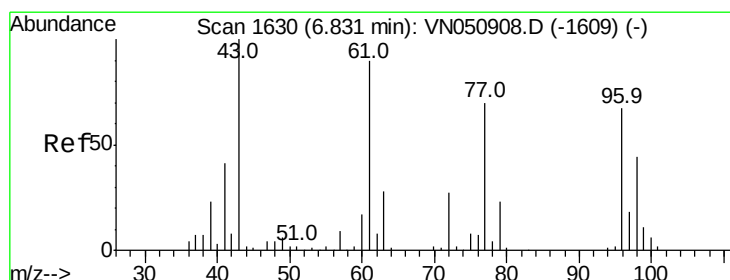
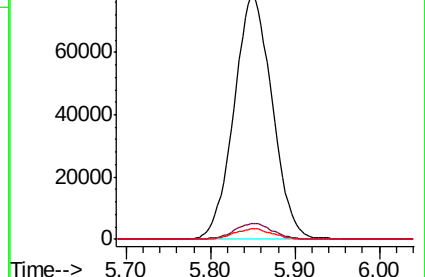
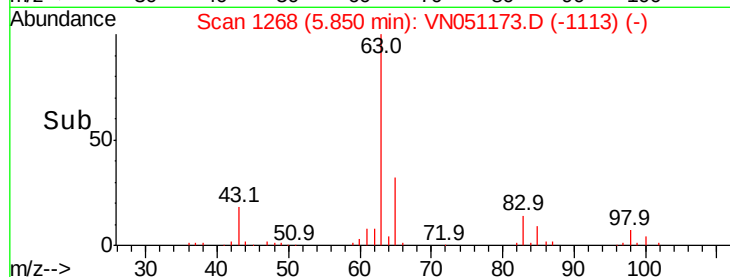
100 4.5 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.956 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

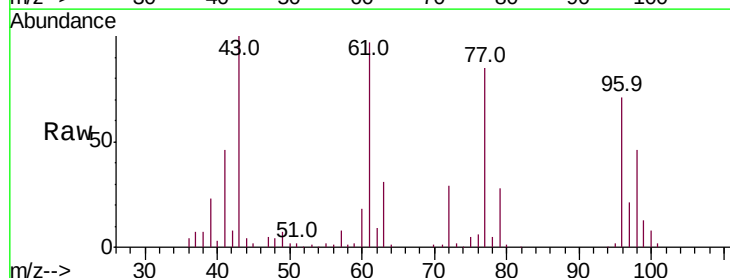
Tgt Ion: 96 Resp: 146580

Ion Ratio Lower Upper

96 100

61 138.4 110.0 165.0

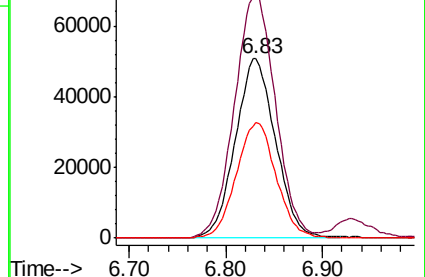
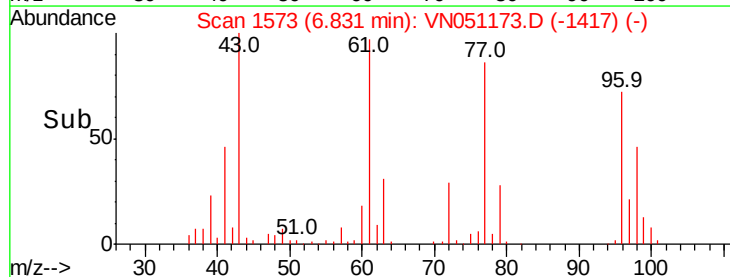
98 63.9 51.7 77.5

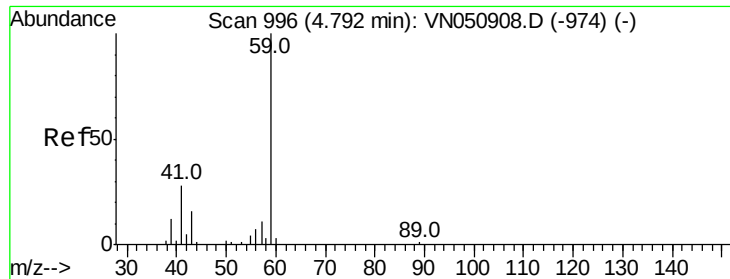


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



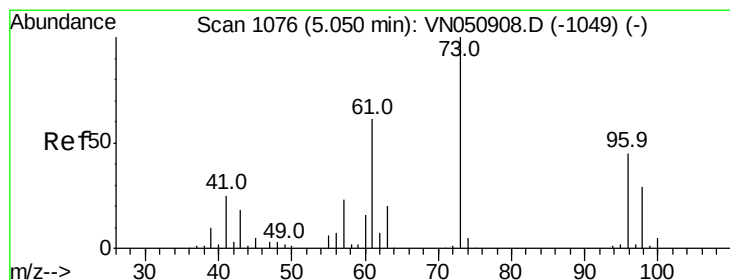
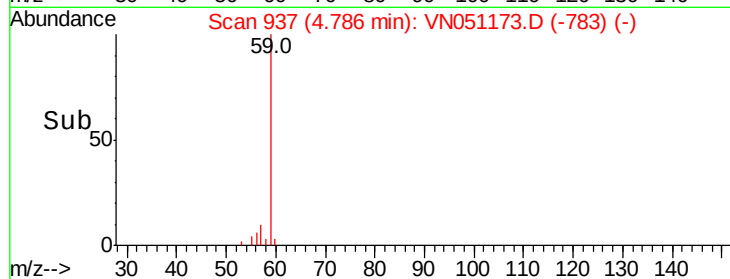
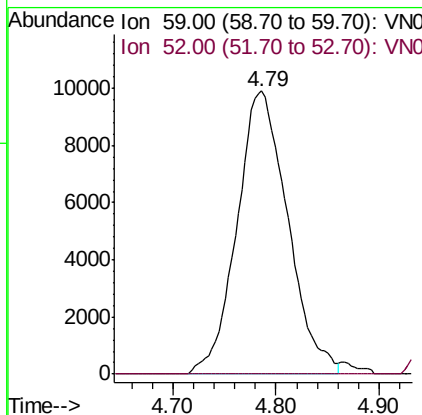
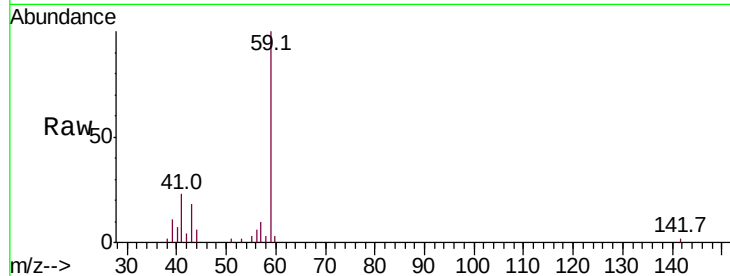


#23

tert-Butyl Alcohol
Concen: 66.826 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

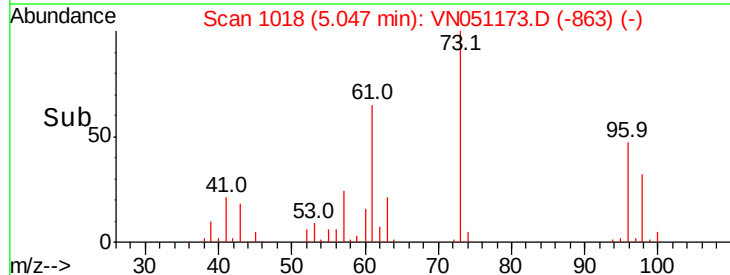
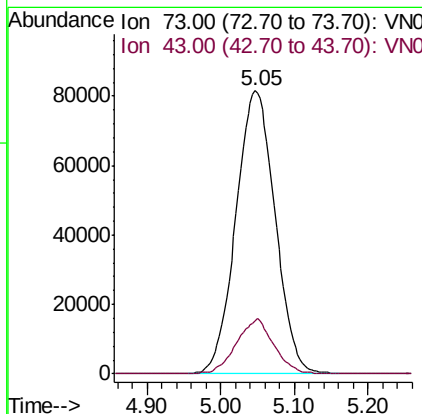
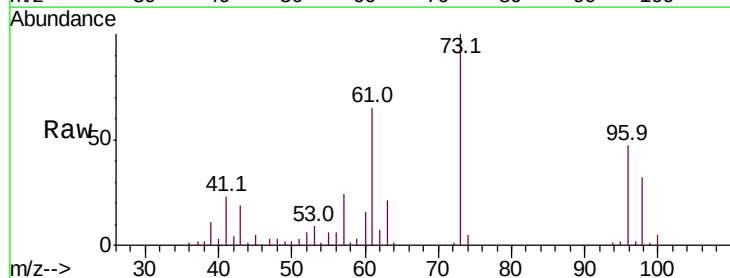
Tot Ion: 59 Resp: 33910
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

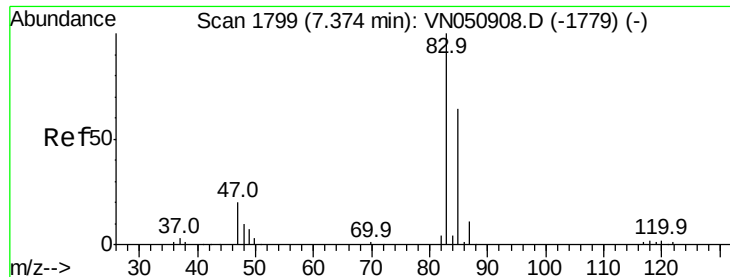


#24

Methyl tert-Butyl Ether
Concen: 18.101 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 73 Resp: 302139
Ion Ratio Lower Upper
73 100
43 18.3 14.4 21.6

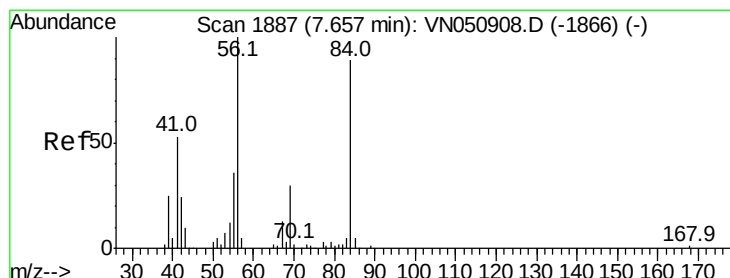
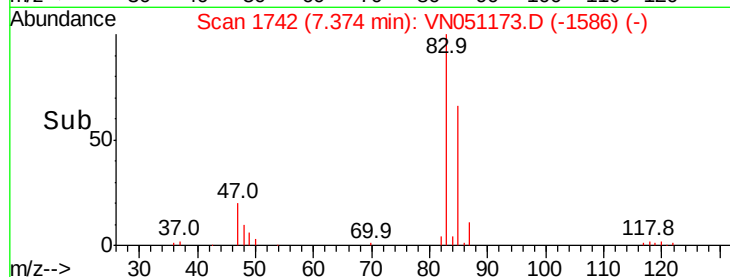
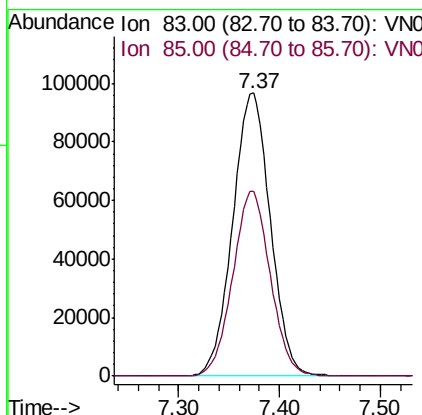
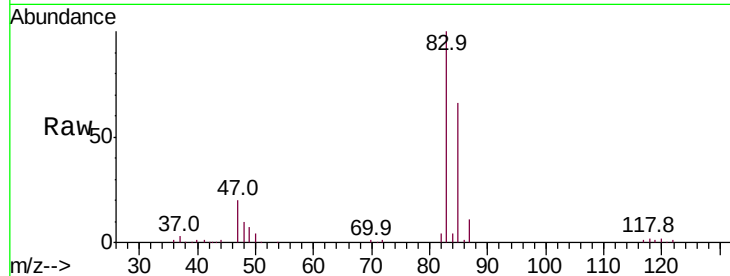




#25
Chloroform
Concen: 20.530 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

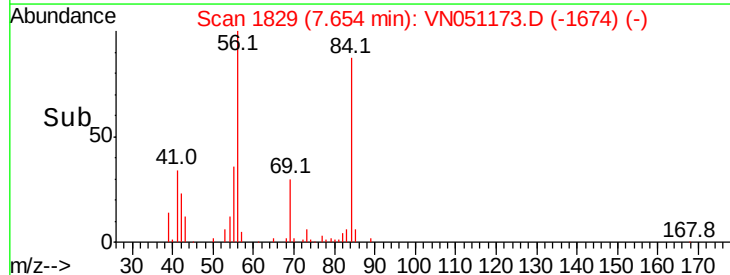
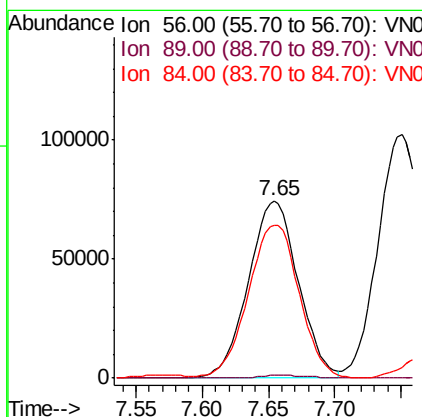
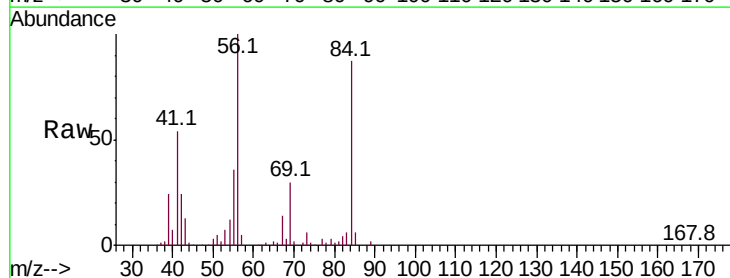
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

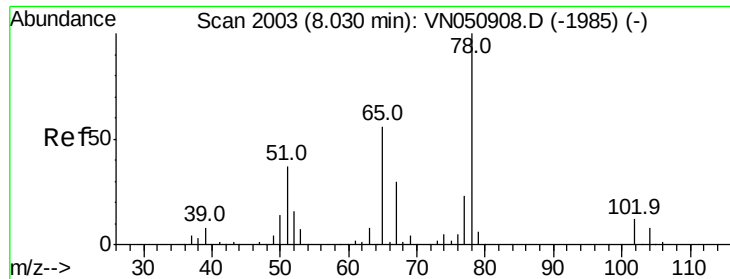
Tot Ion: 83 Resp: 250430
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0



#26
Cyclohexane
Concen: 19.356 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 56 Resp: 195984
Ion Ratio Lower Upper
56 100
89 1.5 0.4 0.6#
84 87.8 70.4 105.6

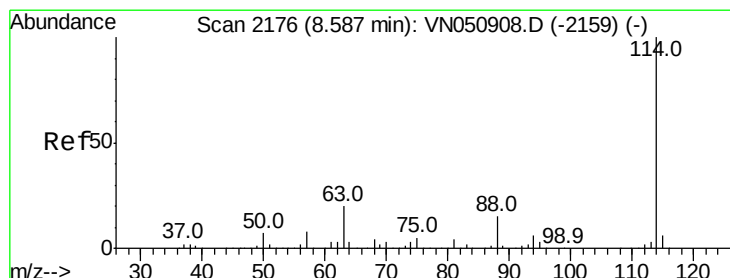
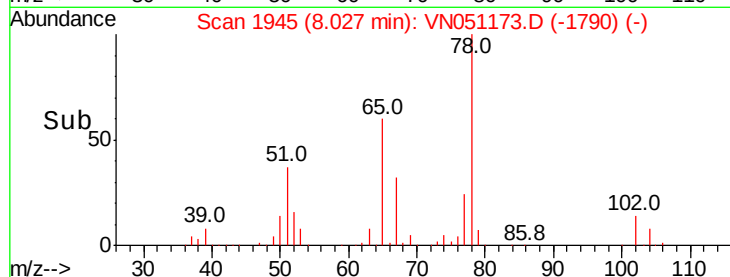
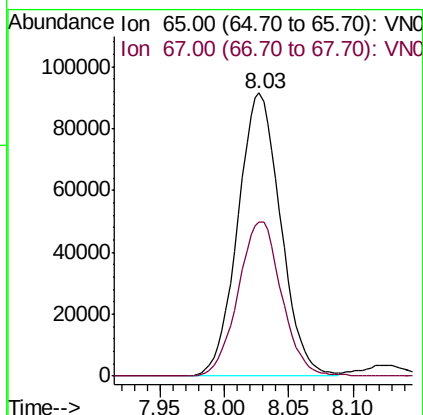
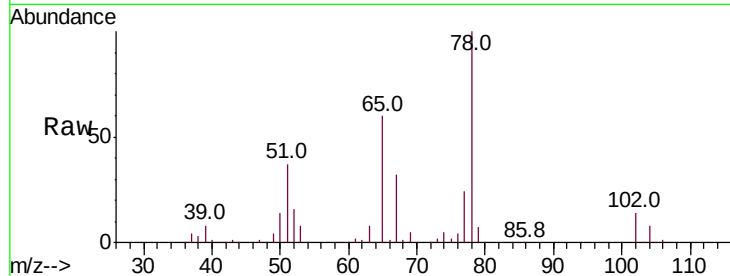




#27
 1,2-Dichloroethane-d4
 Concen: 29.325 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

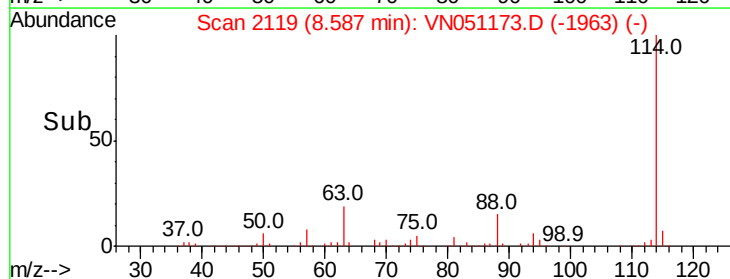
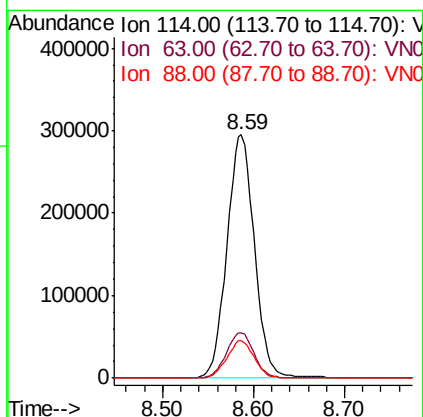
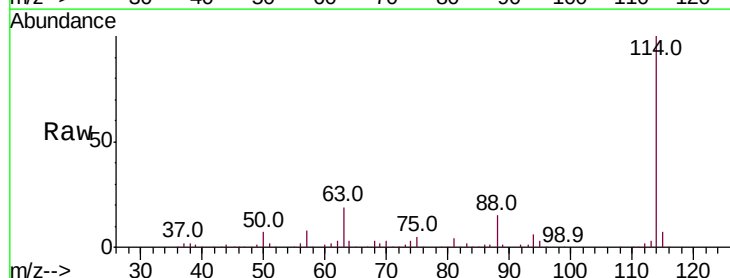
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

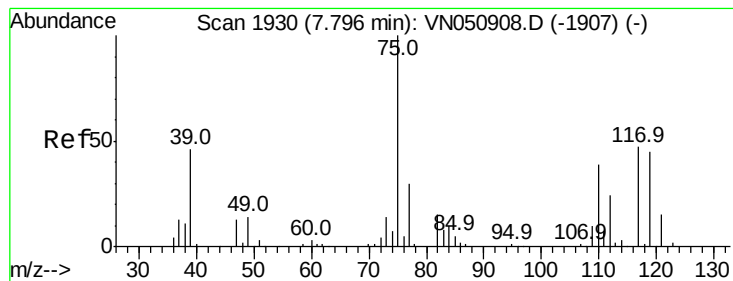
Tot Ion: 65 Resp: 211358
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 114 Resp: 619348
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.6 23.4
 88 15.3 12.2 18.4





#29

1,1-Dichloropropene

Concen: 19.617 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

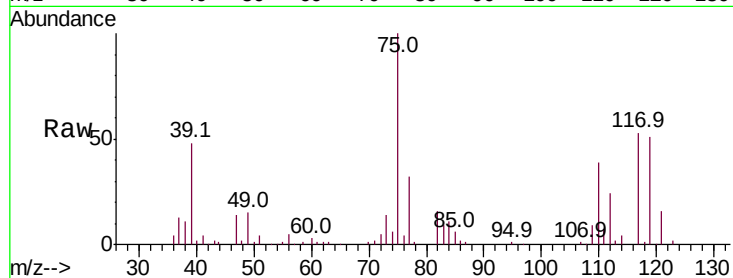
Tot Ion: 75 Resp: 181890

Ion Ratio Lower Upper

75 100

110 37.5 0.0 75.0

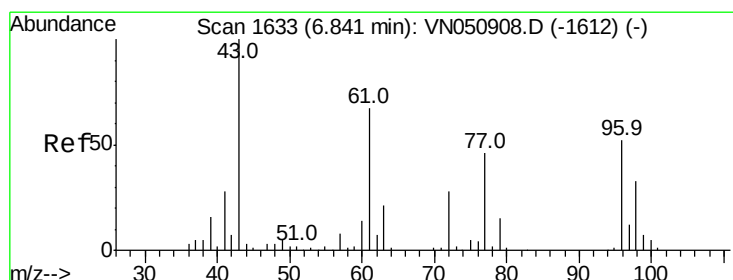
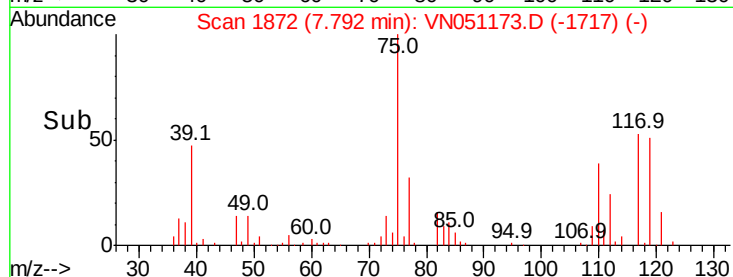
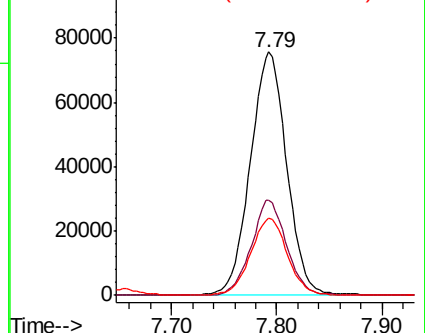
77 32.1 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-1907) (-)

Ion 110.00 (109.70 to 110.70): VN050908.D (-1907) (-)

Ion 77.00 (76.70 to 77.70): VN050908.D (-1907) (-)



#30

2-Butanone

Concen: 78.750 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

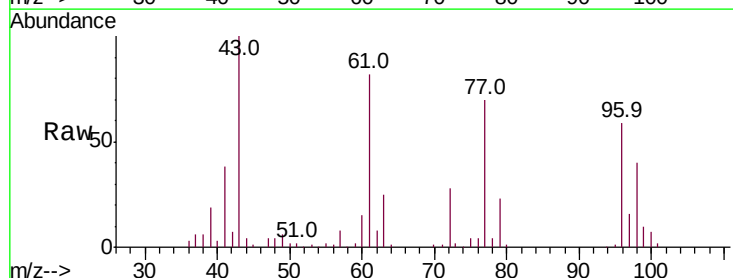
Tgt Ion: 43 Resp: 224628

Ion Ratio Lower Upper

43 100

57 8.4 6.9 10.3

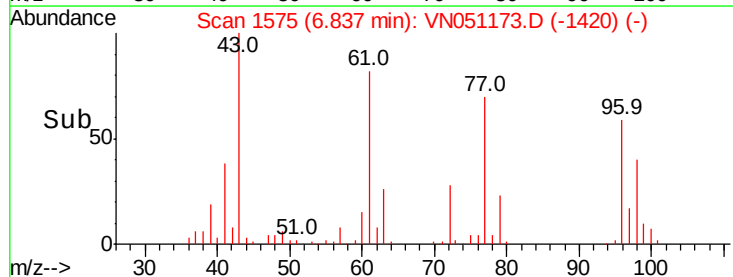
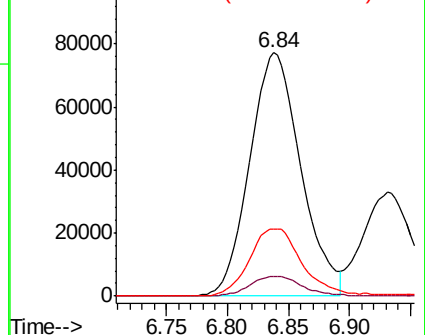
72 28.3 22.8 34.2

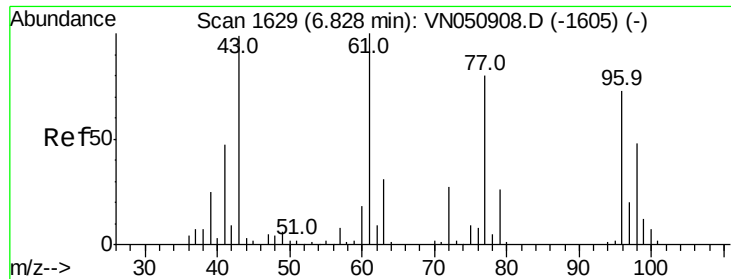


Abundance Ion 43.00 (42.70 to 43.70): VN050908.D (-1612) (-)

Ion 57.00 (56.70 to 57.70): VN050908.D (-1612) (-)

Ion 72.00 (71.70 to 72.70): VN050908.D (-1612) (-)

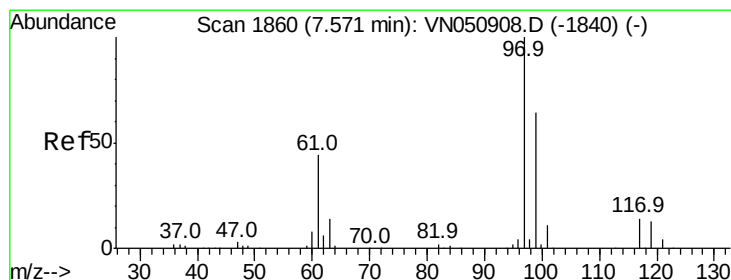
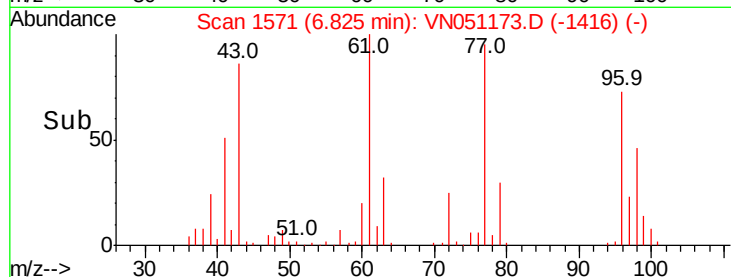
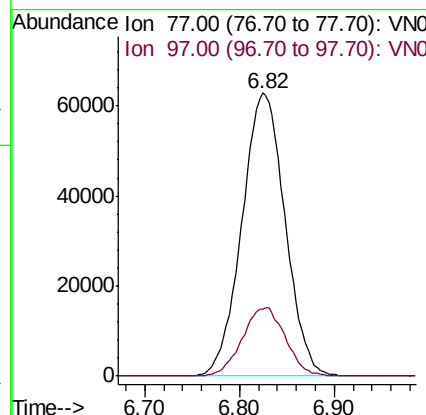
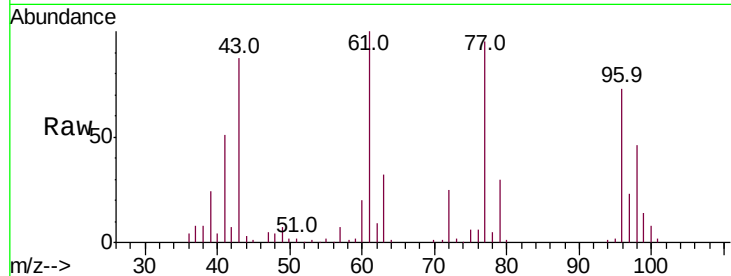




#31
 2,2-Dichloropropane
 Concen: 22.059 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

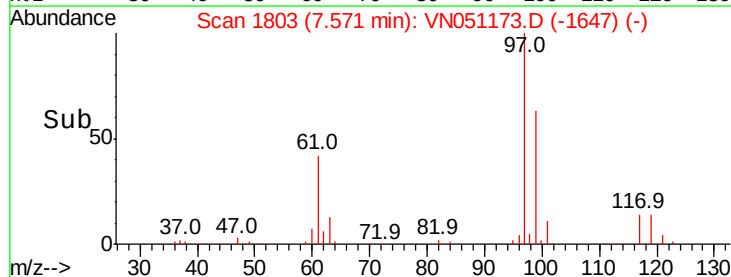
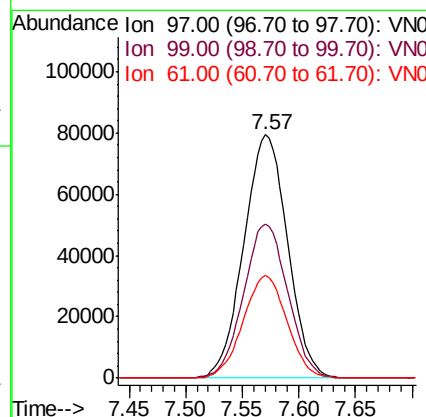
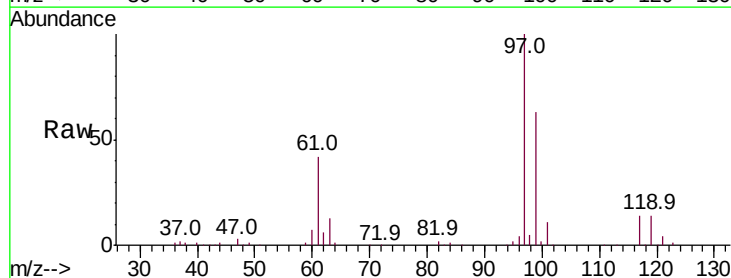
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

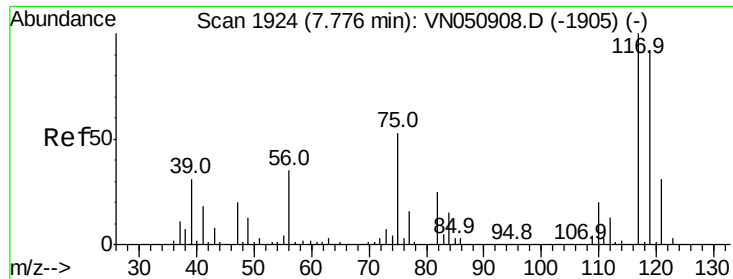
Tot Ion: 77 Resp: 199020
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 20.340 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 97 Resp: 213868
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 42.3 35.0 52.6





#33

Carbon Tetrachloride

Concen: 20.344 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

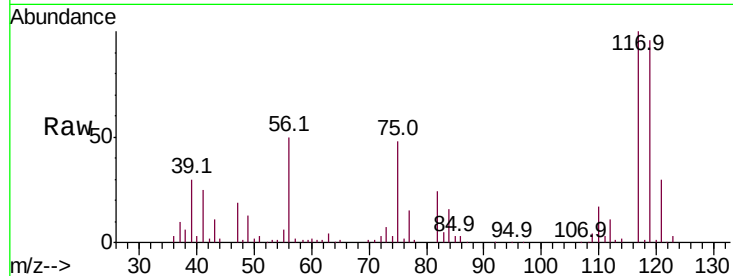
Tot Ion:117 Resp: 192640

Ion Ratio Lower Upper

117 100

119 95.8 73.5 110.3

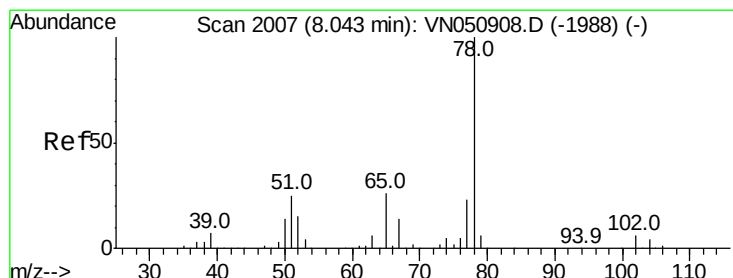
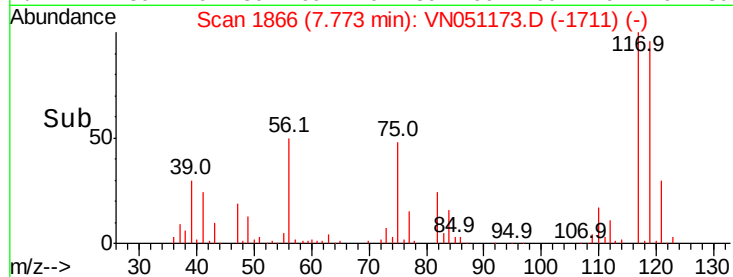
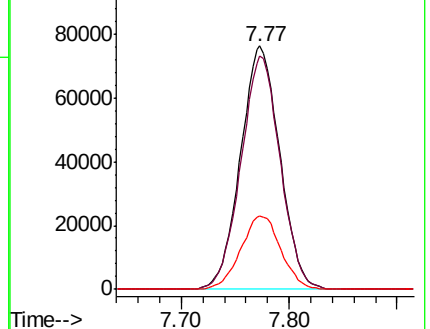
121 30.1 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.478 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

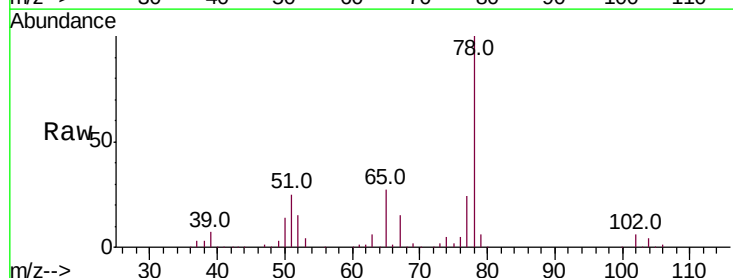
Tgt Ion: 78 Resp: 558710

Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0

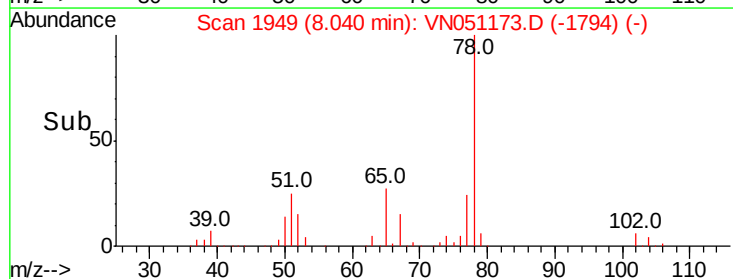
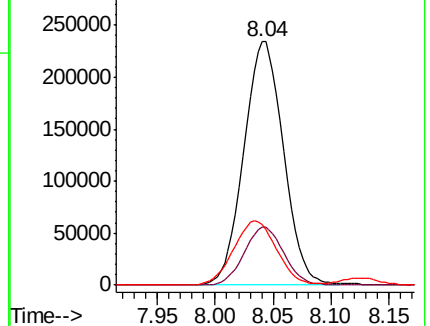
51 24.8 20.0 30.0

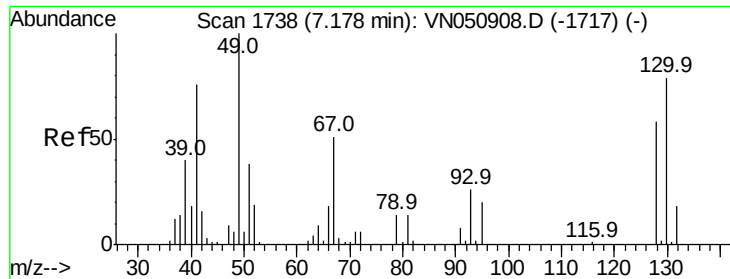


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

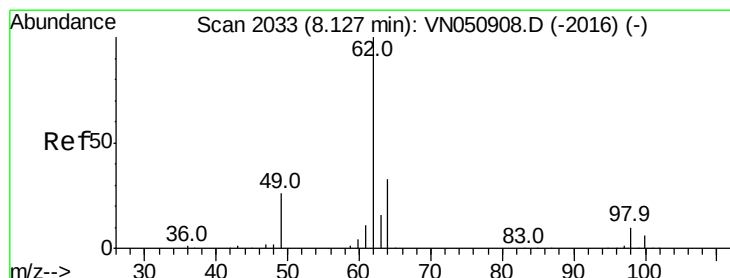
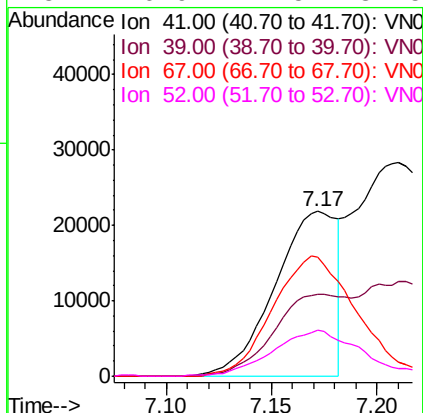
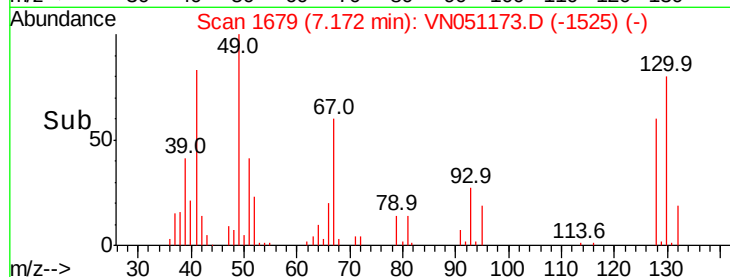
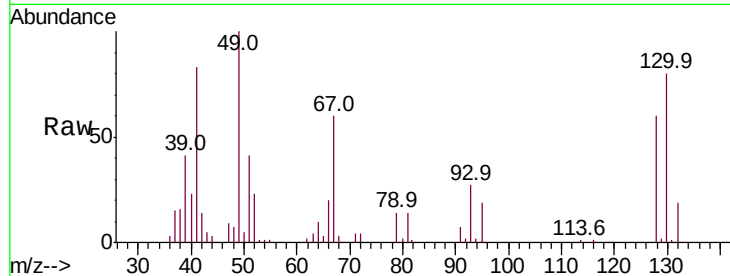




#35
Methacrylonitrile
Concen: 14.376 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

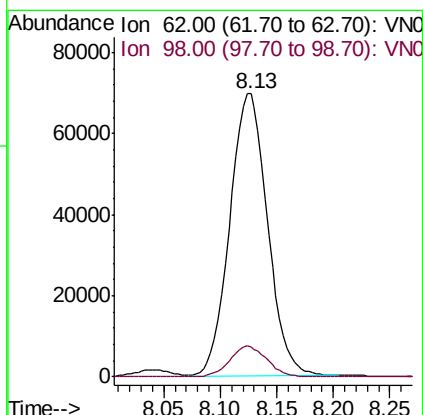
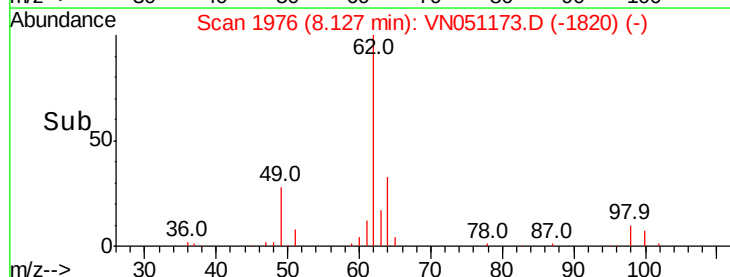
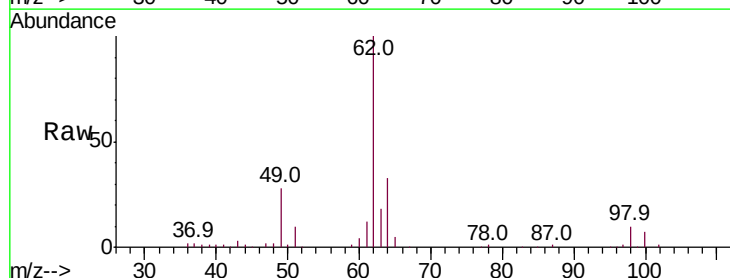
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

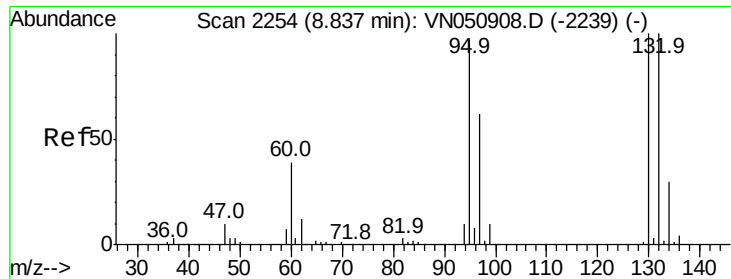
Tot Ion: 41 Resp: 44928
Ion Ratio Lower Upper
41 100
39 50.0 26.2 78.5
67 72.0 33.9 101.6
52 26.9 12.5 37.5



#36
1,2-Dichloroethane
Concen: 18.665 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 62 Resp: 161918
Ion Ratio Lower Upper
62 100
98 10.7 8.0 12.0

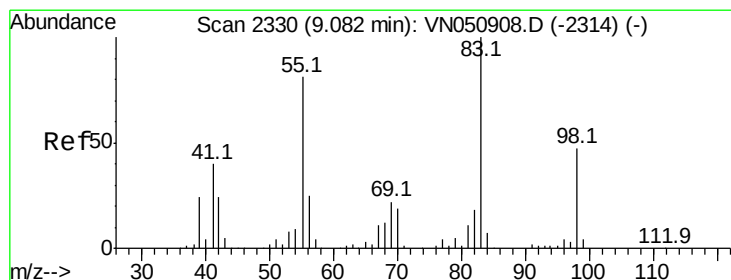
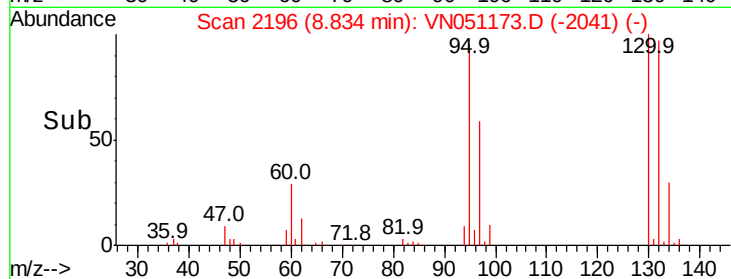
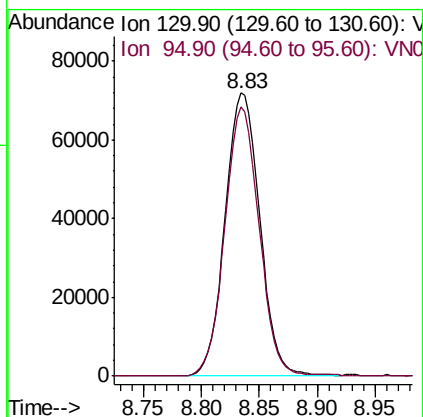
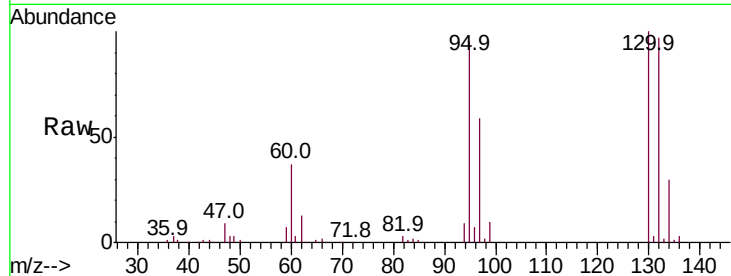




#37
 Trichloroethene
 Concen: 19.943 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

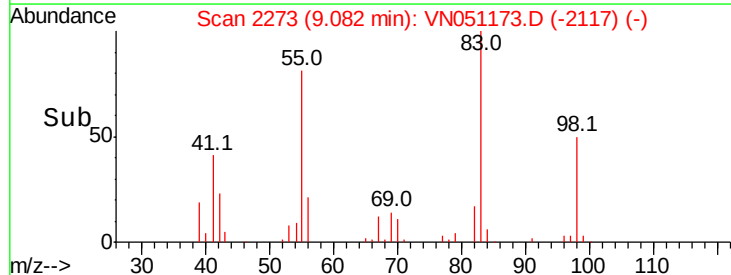
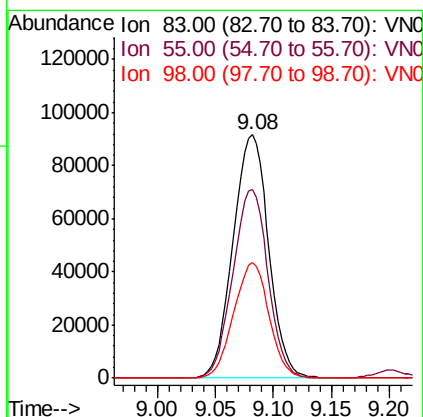
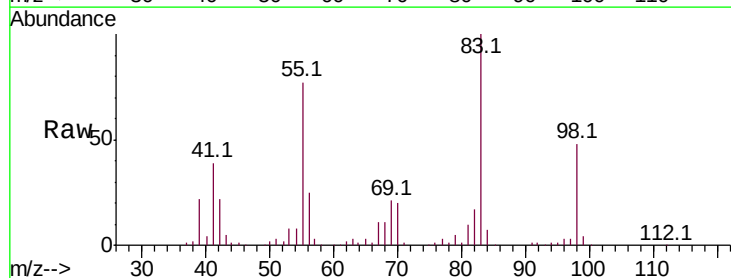
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

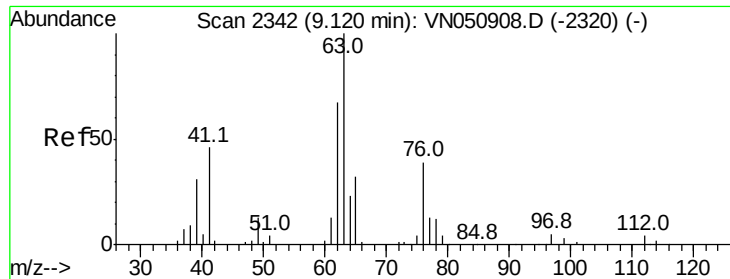
Tot Ion:130 Resp: 149516
 Ion Ratio Lower Upper
 130 100
 95 94.8 77.4 116.0



#38
 Methylcyclohexane
 Concen: 19.583 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 83 Resp: 195015
 Ion Ratio Lower Upper
 83 100
 55 76.7 38.9 116.7
 98 47.1 22.9 68.7





#39

1,2-Dichloropropane

Concen: 19.586 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

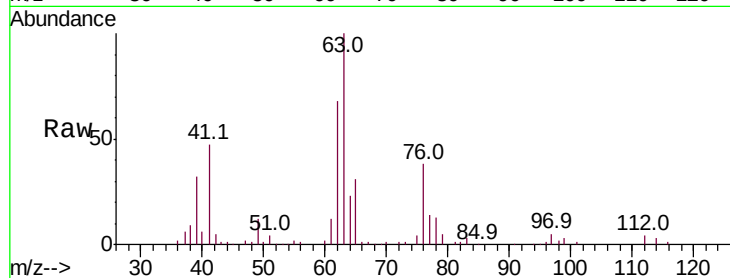
VSTDCCC020

Tot Ion: 63 Resp: 146733

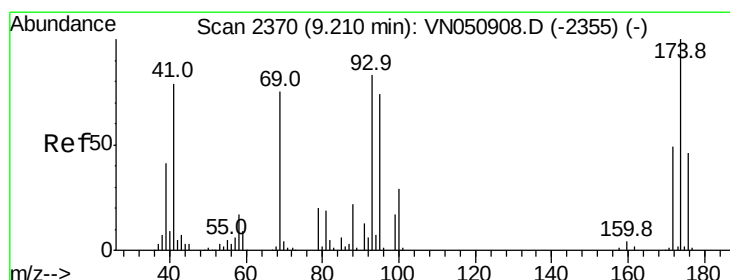
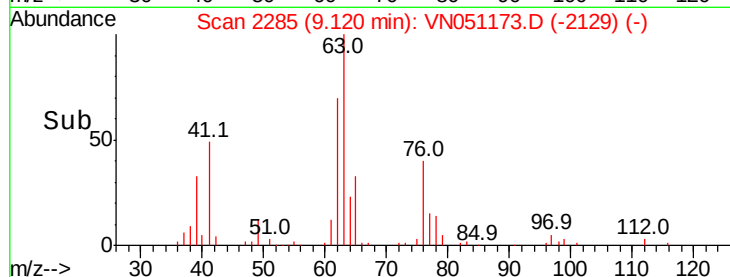
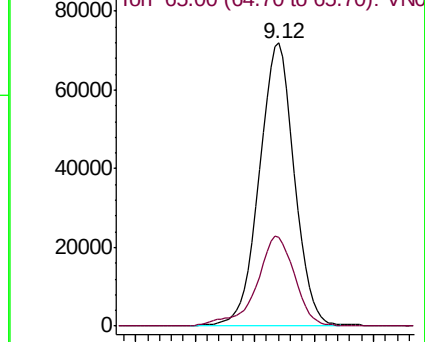
Ion Ratio Lower Upper

63 100

65 31.0 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VNO
Ion 65.00 (64.70 to 65.70): VNO



#40

Dibromomethane

Concen: 18.631 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

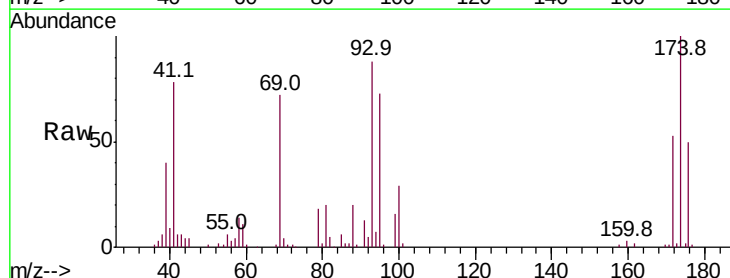
Tgt Ion: 93 Resp: 84079

Ion Ratio Lower Upper

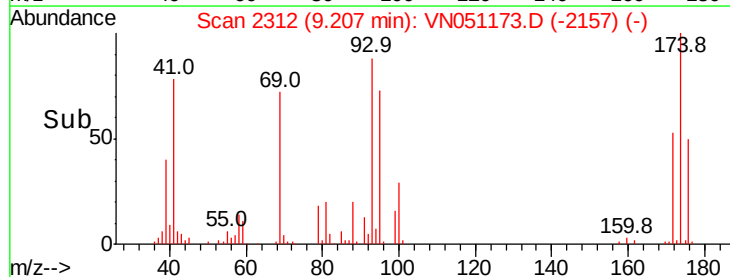
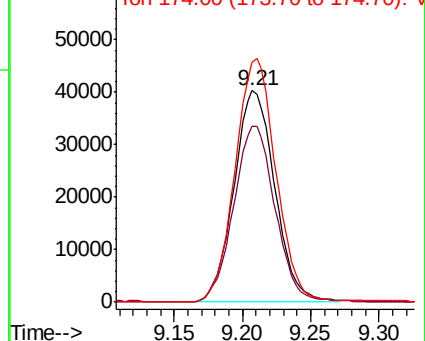
93 100

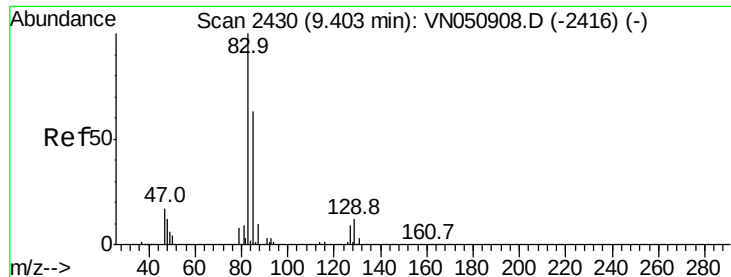
95 84.2 0.0 173.4

174 114.6 0.0 234.8



Abundance Ion 93.00 (92.70 to 93.70): VNO
Ion 95.00 (94.70 to 95.70): VNO
Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.635 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

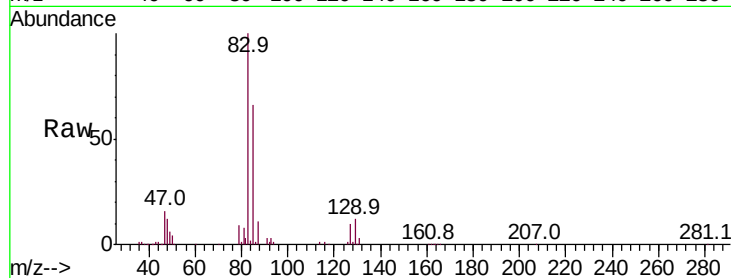
Tot Ion: 83 Resp: 186785

Ion Ratio Lower Upper

83 100

85 66.0 50.6 76.0

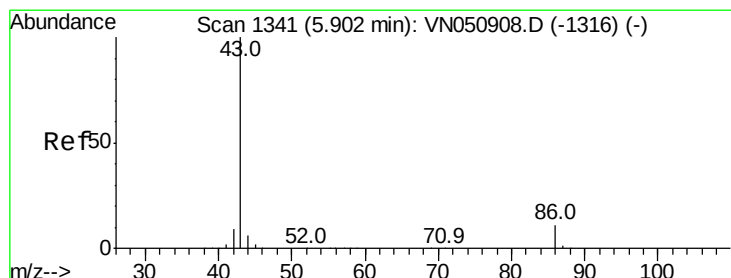
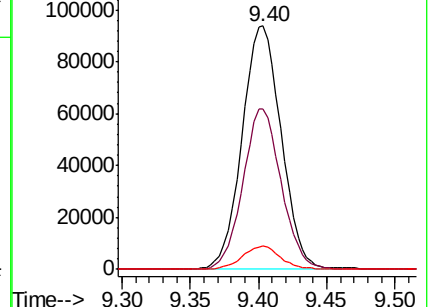
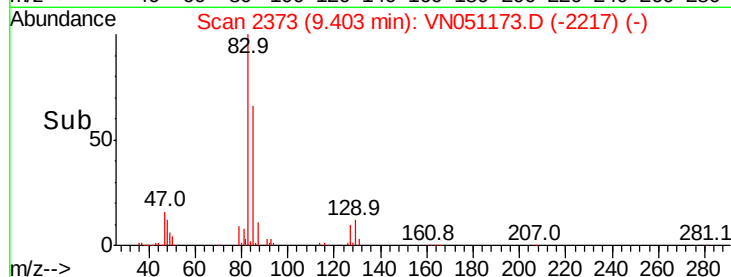
127 9.7 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051173.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051173.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051173.D (-2217) (-)



#42

Vinyl Acetate

Concen: 90.106 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051173.D

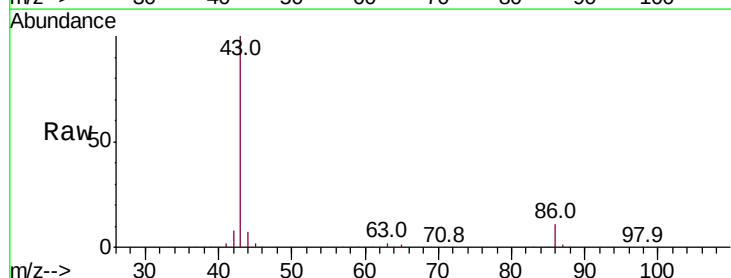
Acq: 14 Sep 2018 7:44

Tgt Ion: 43 Resp: 1183858

Ion Ratio Lower Upper

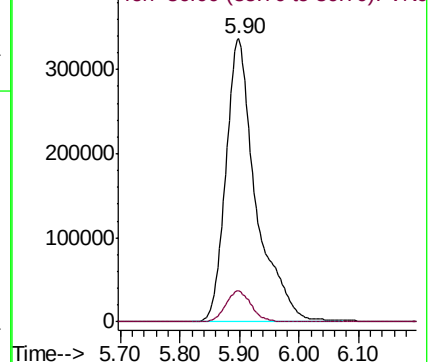
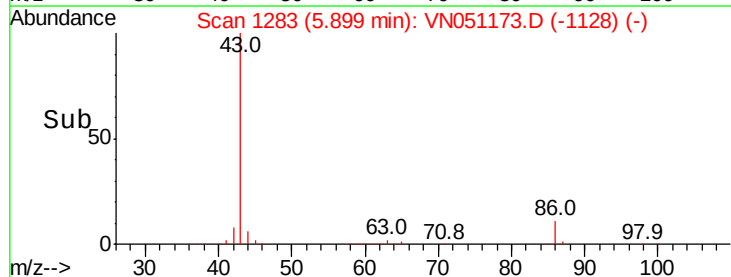
43 100

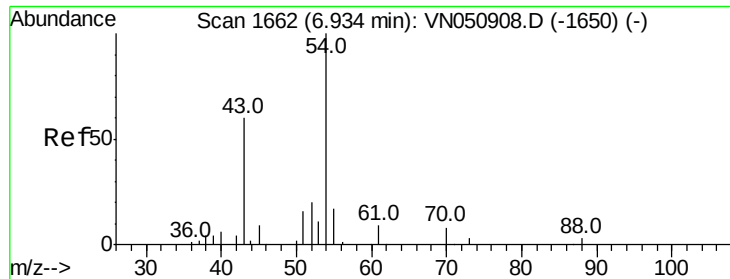
86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051173.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051173.D (-1128) (-)





#43

Ethyl Acetate

Concen: 16.408 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

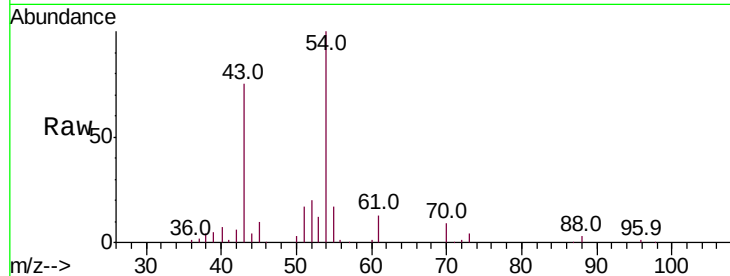
VSTDCCC020

Tot Ion: 43 Resp: 95878

Ion Ratio Lower Upper

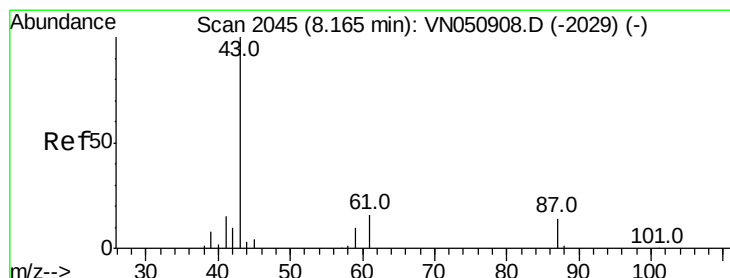
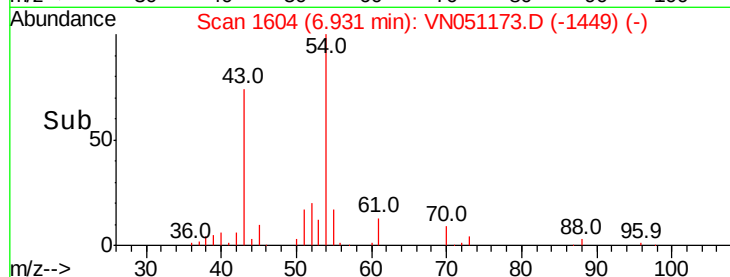
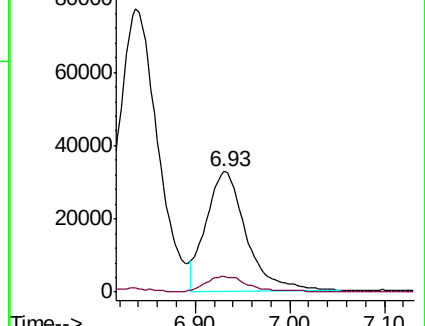
43 100

45 14.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 16.446 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051173.D

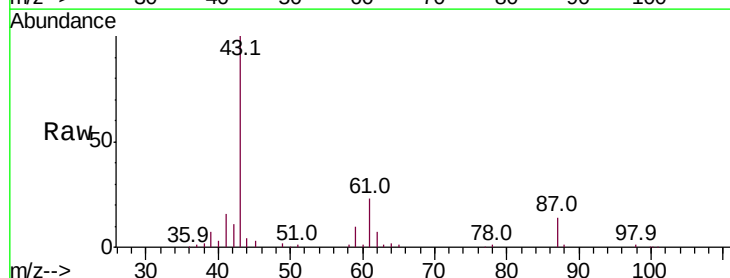
Acq: 14 Sep 2018 7:44

Tgt Ion: 43 Resp: 169581

Ion Ratio Lower Upper

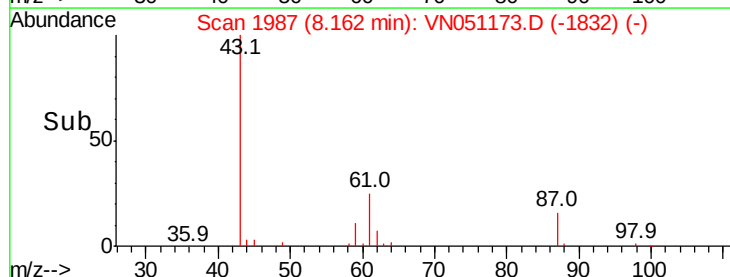
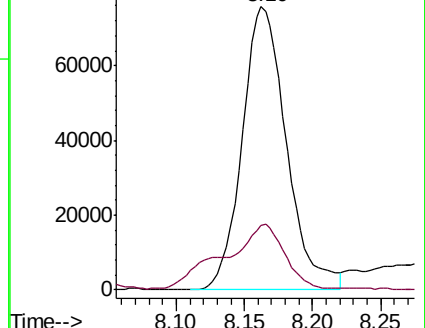
43 100

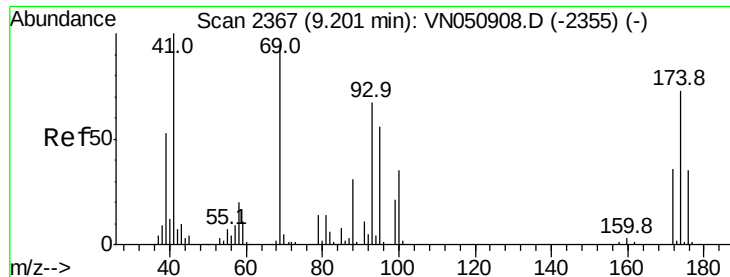
61 19.1 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 294.261 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

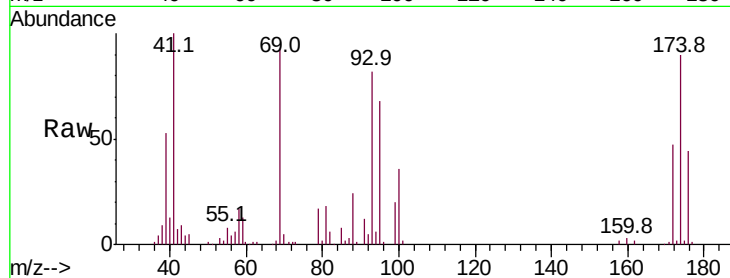
Tot Ion: 88 Resp: 22539

Ion Ratio Lower Upper

88 100

43 29.5 23.5 35.3

58 69.6 55.2 82.8

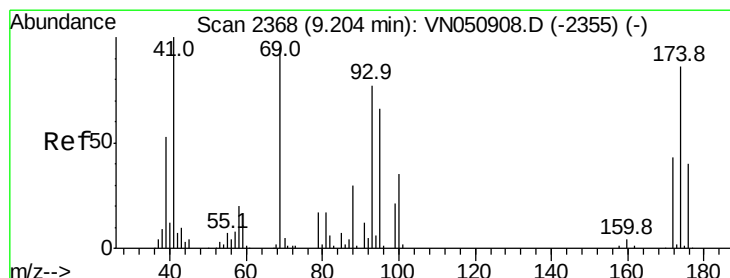
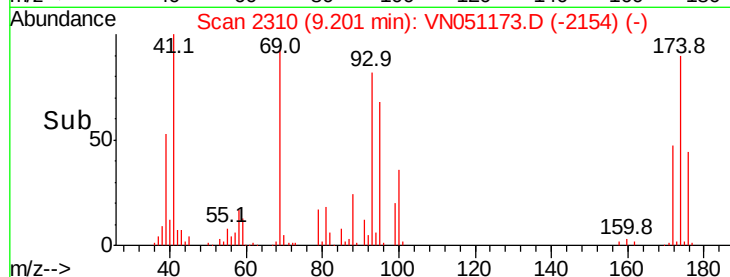
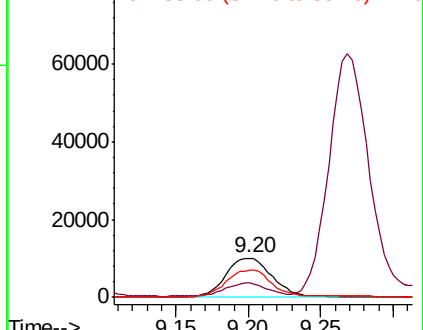


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 15.169 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

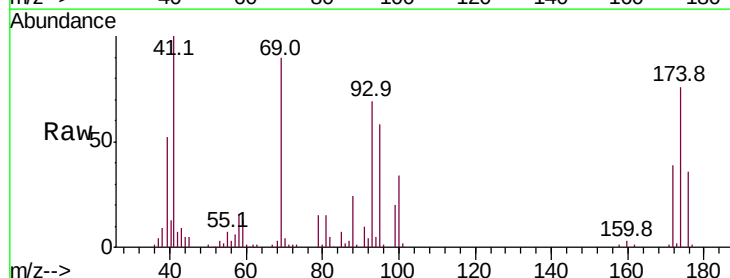
Tgt Ion: 41 Resp: 78337

Ion Ratio Lower Upper

41 100

69 92.7 47.4 142.2

39 52.0 26.6 79.7

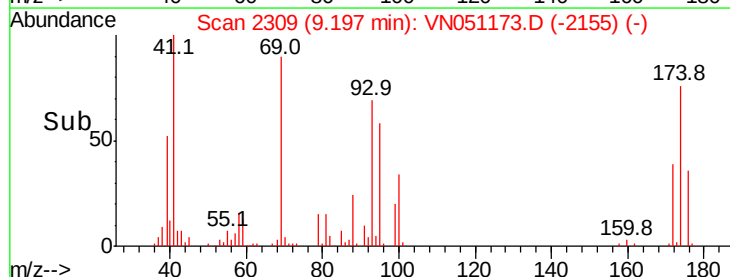
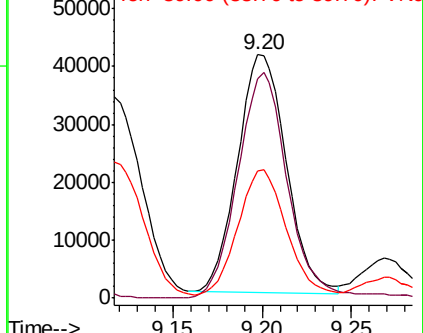


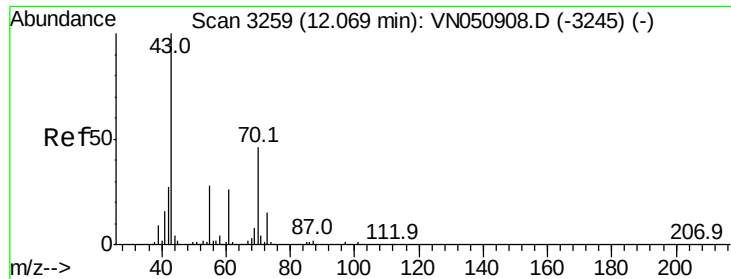
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 13.402 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

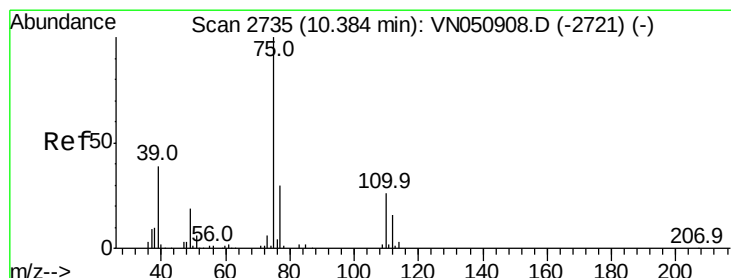
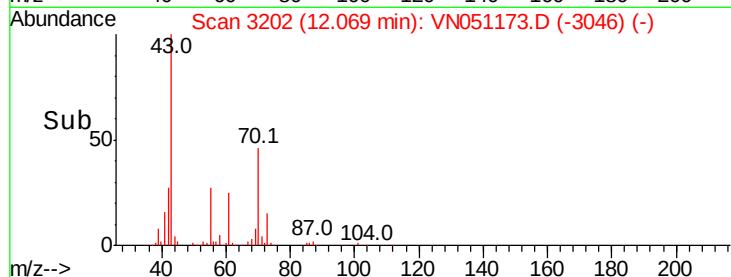
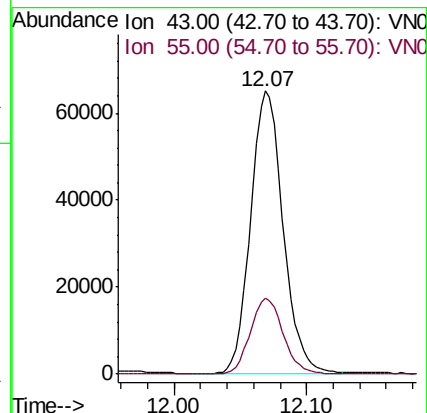
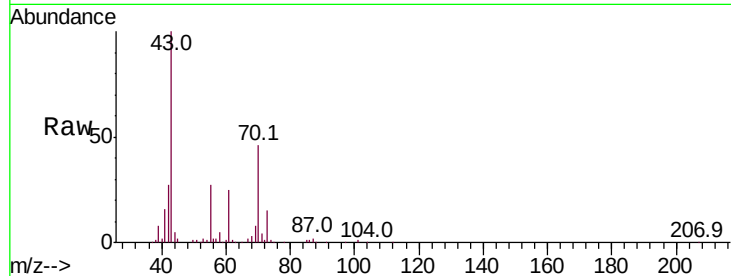
VSTDCCC020

Tot Ion: 43 Resp: 111098

Ion Ratio Lower Upper

43 100

55 27.1 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 17.853 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051173.D

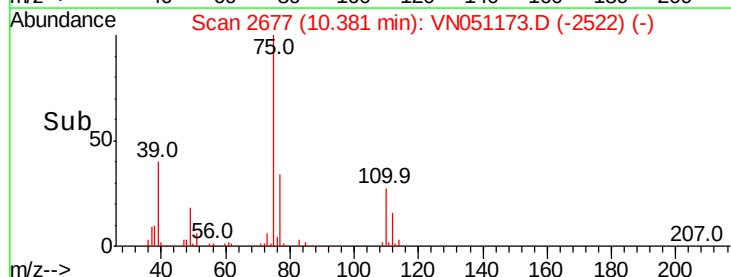
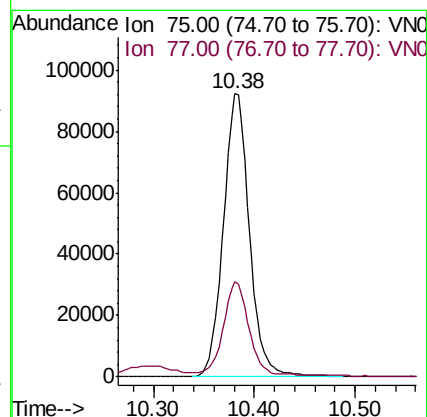
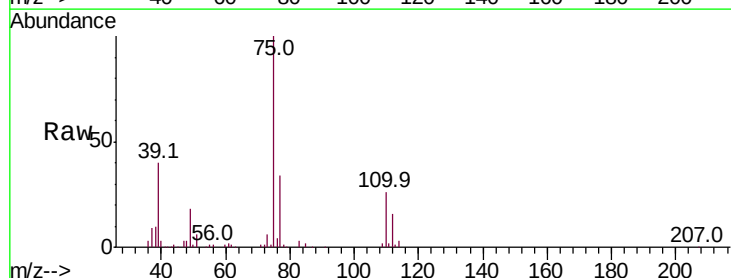
Acq: 14 Sep 2018 7:44

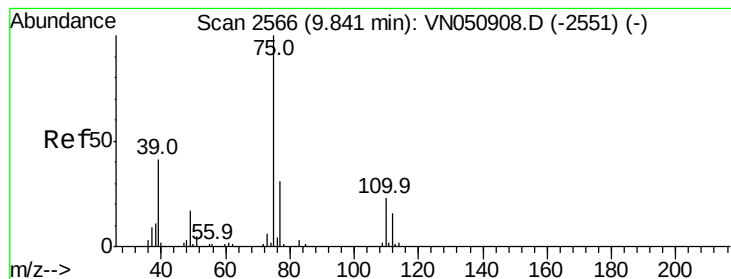
Tgt Ion: 75 Resp: 166483

Ion Ratio Lower Upper

75 100

77 33.2 24.8 37.2



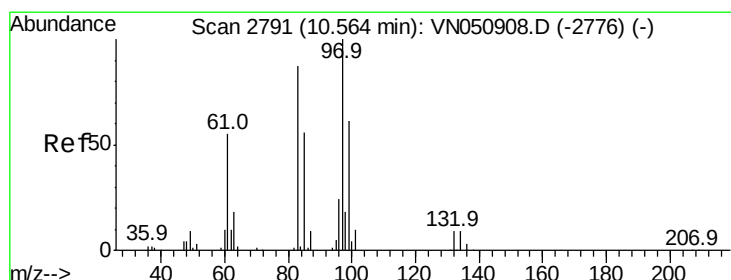
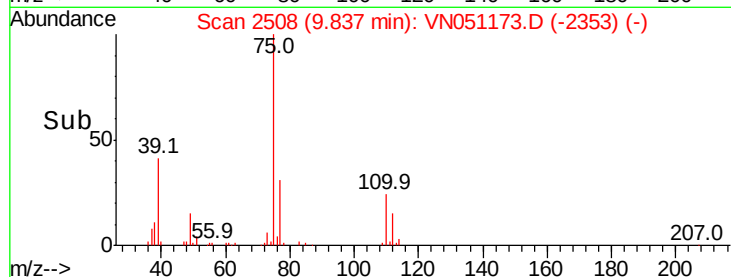
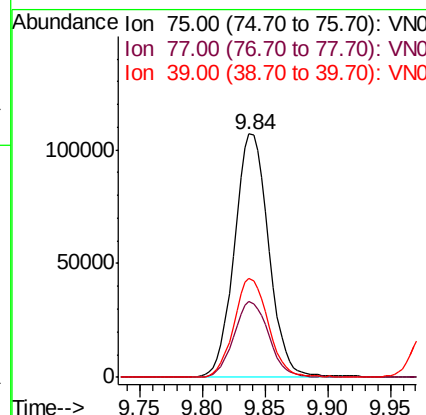
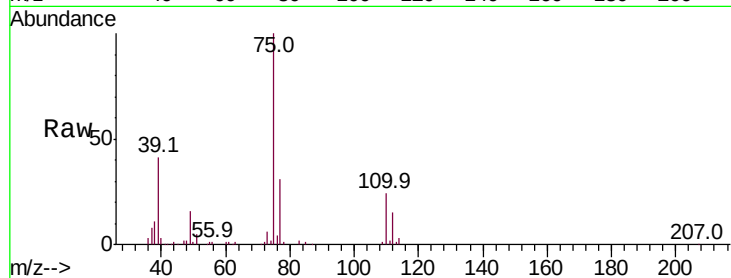


#49

cis-1,3-Dichloropropene
 Concen: 19.021 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

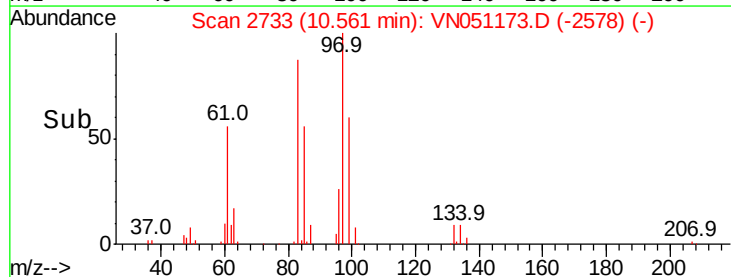
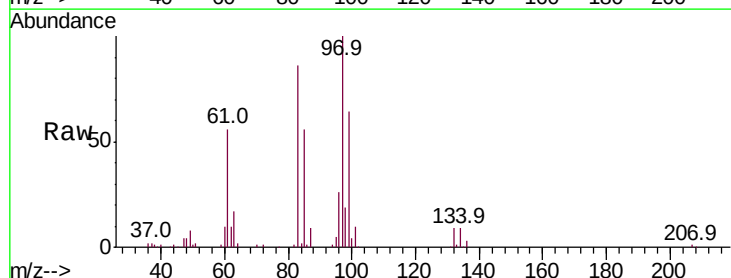
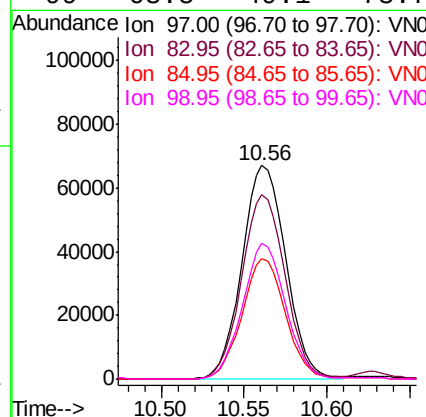
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	40.8	32.9	49.3

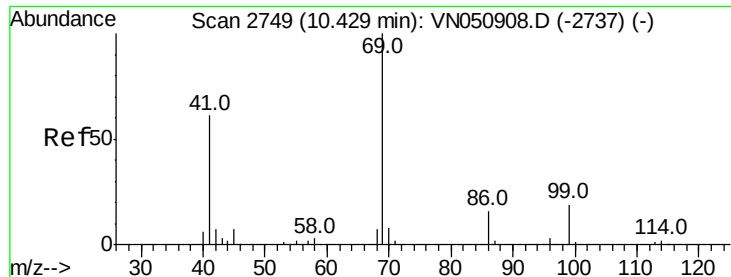


#50

1,1,2-Trichloroethane
 Concen: 18.849 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.8	104.6
85	56.2	45.0	67.6
99	63.5	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.211 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

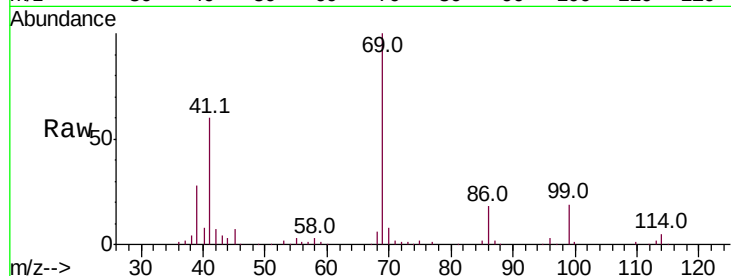
Tot Ion: 69 Resp: 130057

Ion Ratio Lower Upper

69 100

41 59.3 30.5 91.5

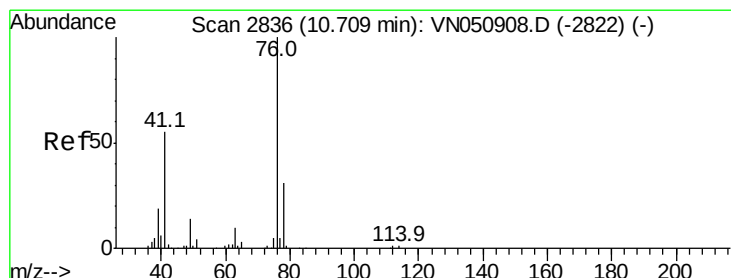
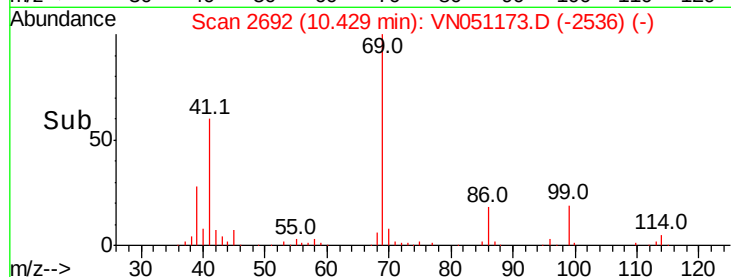
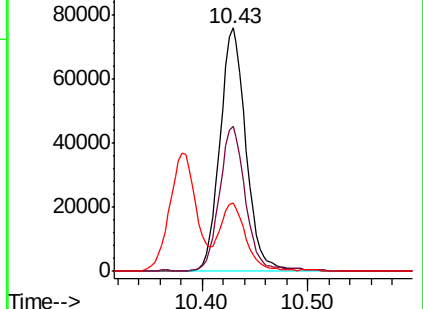
39 27.7 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN051173.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN051173.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN051173.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 18.401 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051173.D

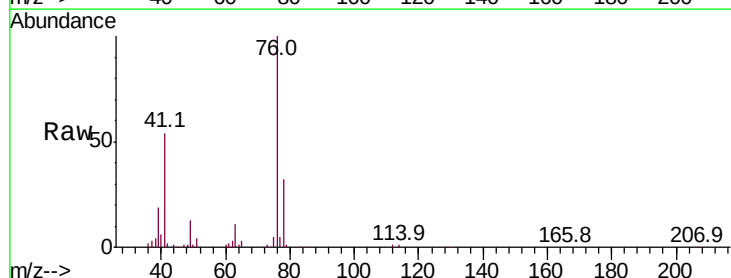
Acq: 14 Sep 2018 7:44

Tgt Ion: 76 Resp: 199851

Ion Ratio Lower Upper

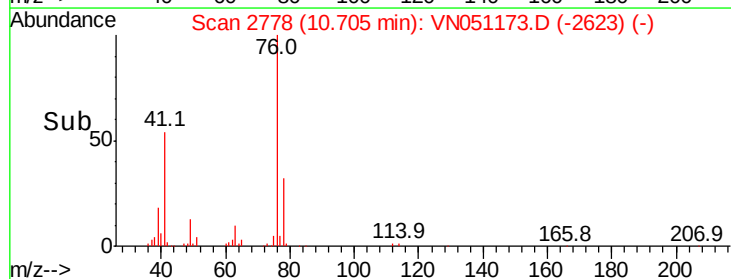
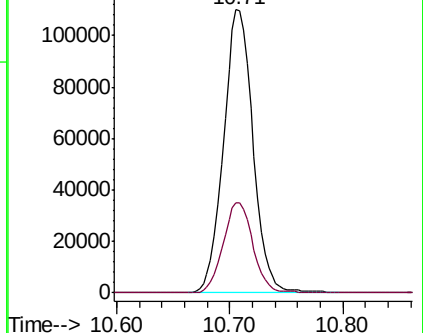
76 100

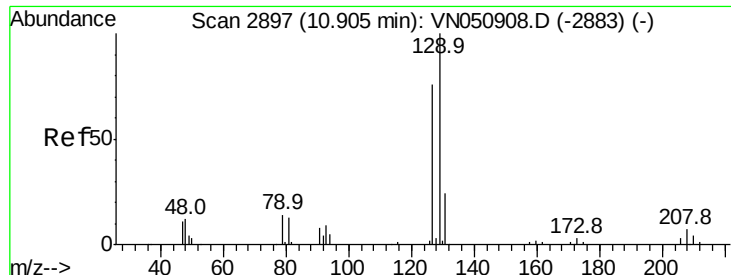
78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN051173.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN051173.D (-2623) (-)





#53

Dibromochloromethane

Concen: 18.796 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

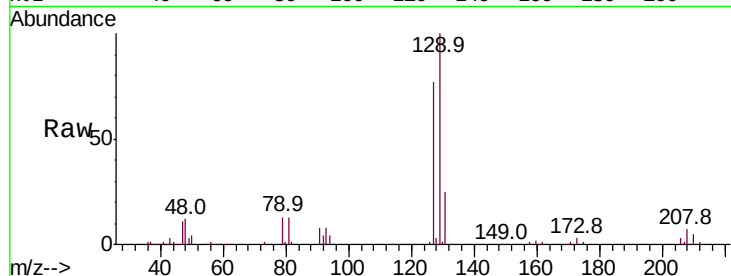
VSTDCCC020

Tot Ion:129 Resp: 140144

Ion Ratio Lower Upper

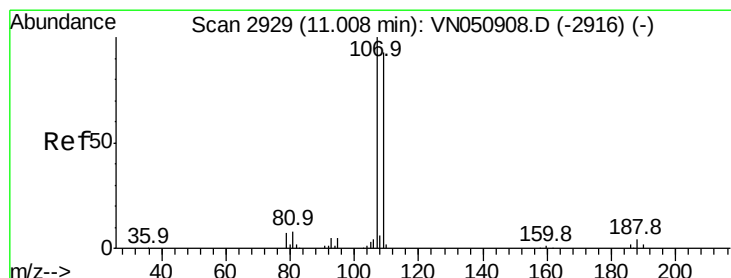
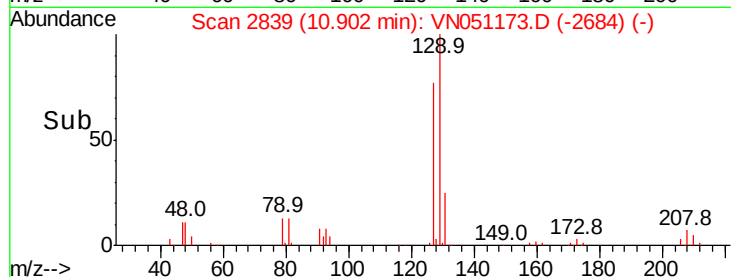
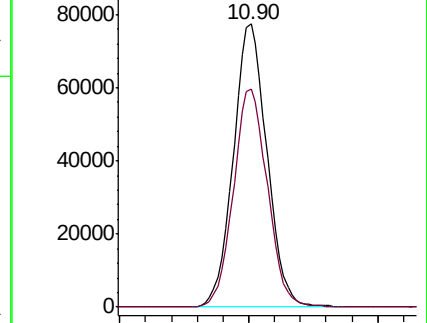
129 100

127 77.7 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.255 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051173.D

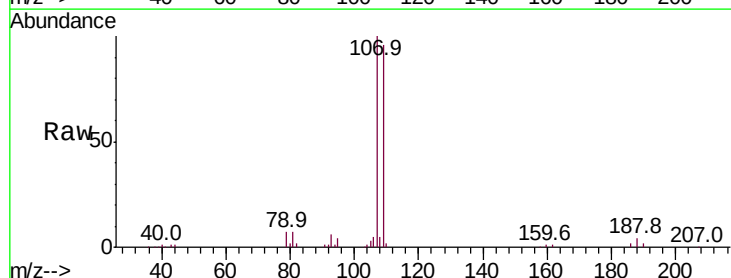
Acq: 14 Sep 2018 7:44

Tgt Ion:107 Resp: 111876

Ion Ratio Lower Upper

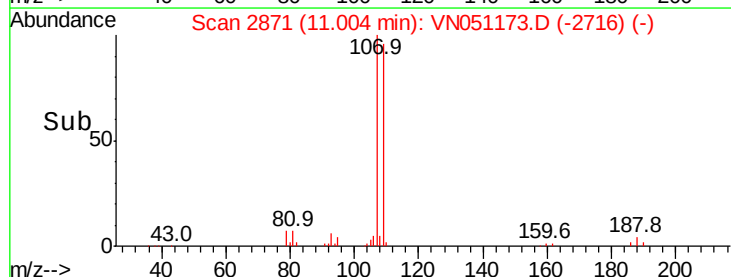
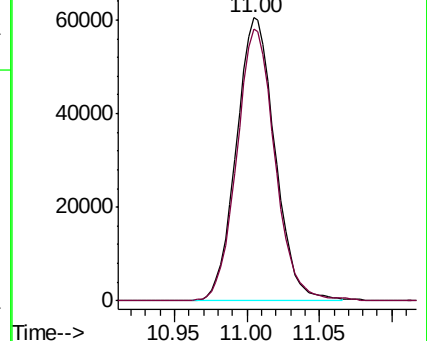
107 100

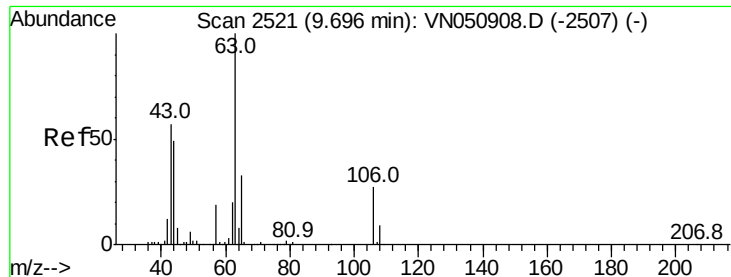
109 94.5 74.4 111.6



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: 70.512 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

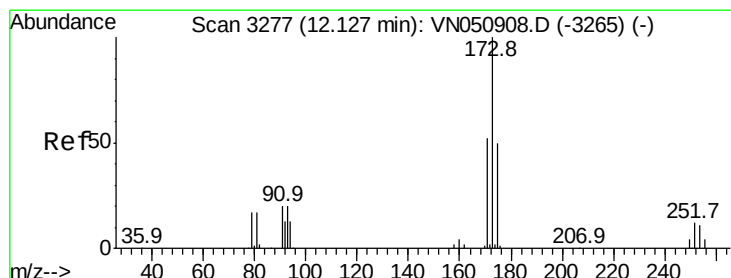
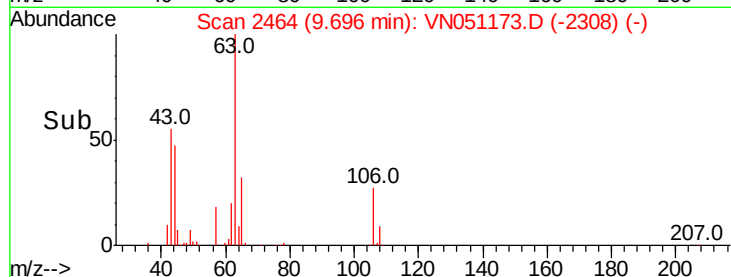
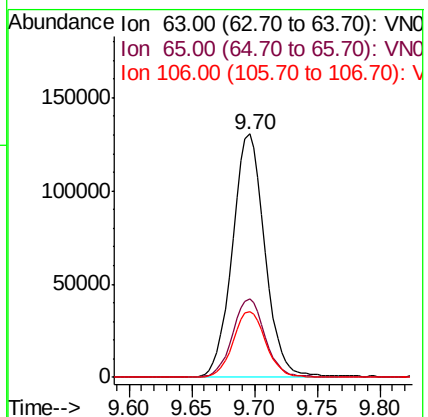
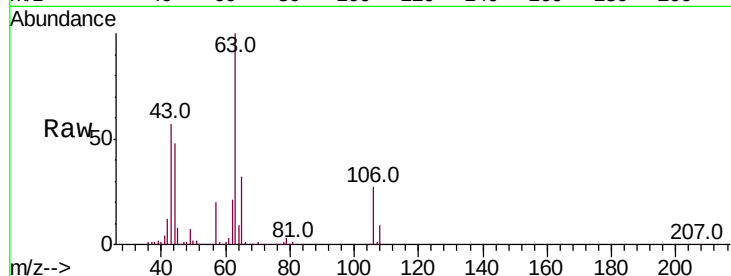
Tot Ion: 63 Resp: 235376

Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.2

106 27.3 22.0 33.0



#56

Bromoform

Concen: 16.774 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

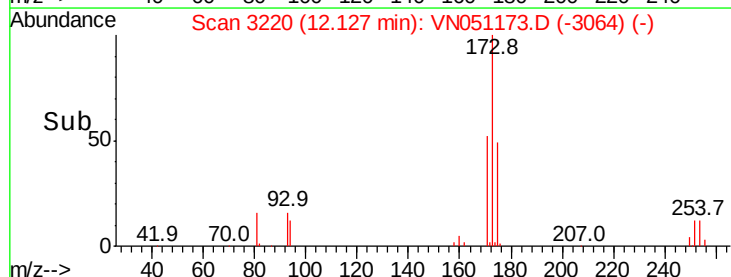
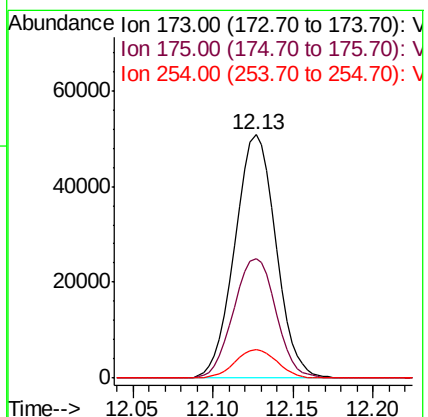
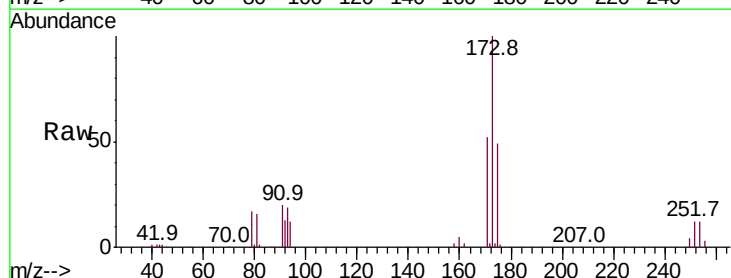
Tgt Ion: 173 Resp: 88951

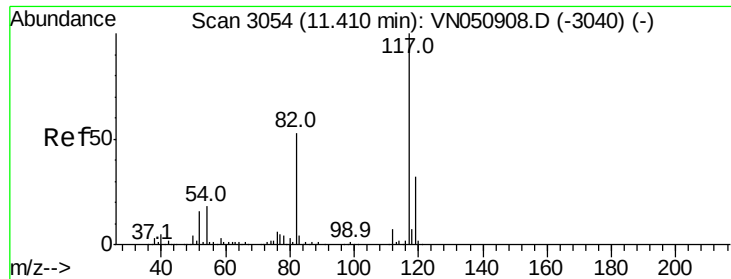
Ion Ratio Lower Upper

173 100

175 50.6 39.2 58.8

254 11.8 9.0 13.6

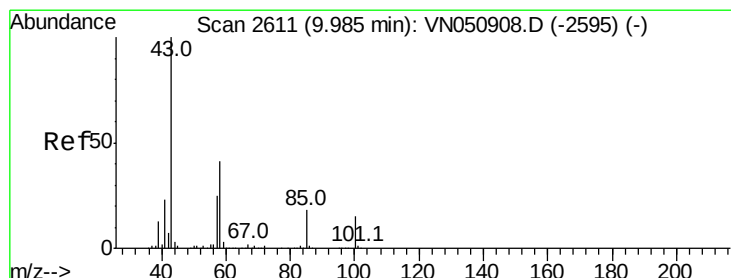
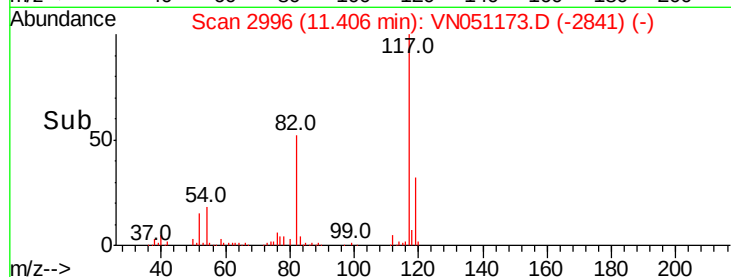
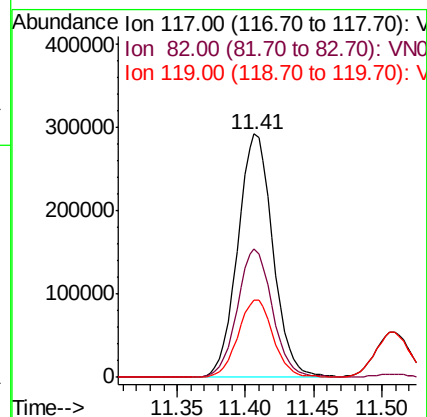
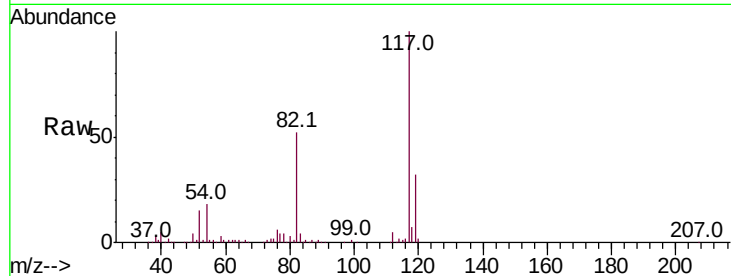




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

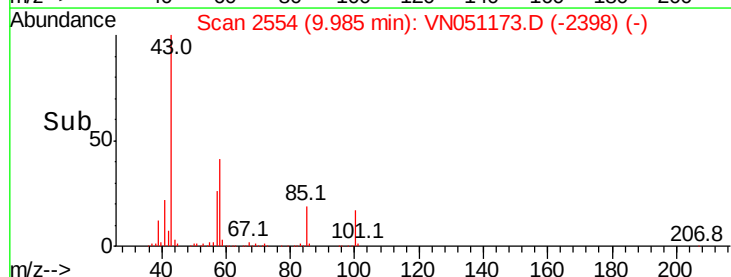
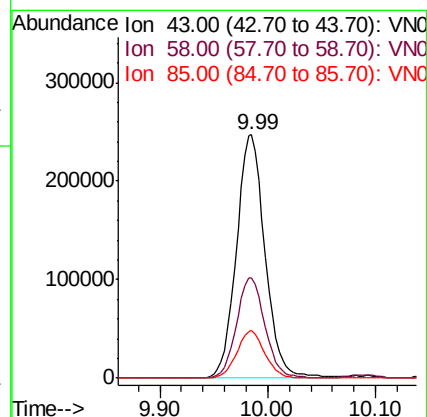
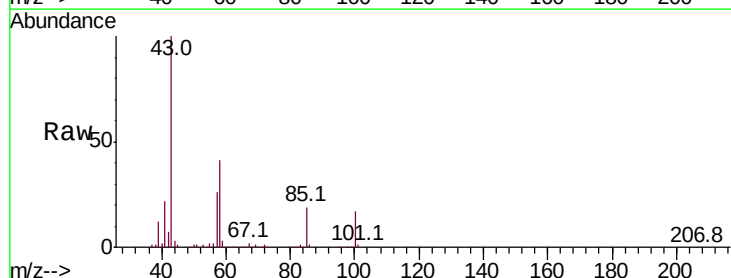
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

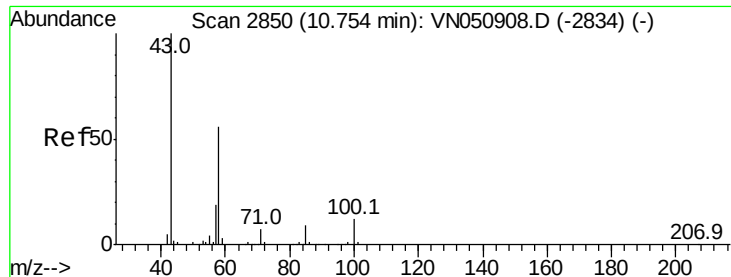
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	64.0
119	31.7	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 76.071 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.3	48.5
85	19.1	14.9	22.3

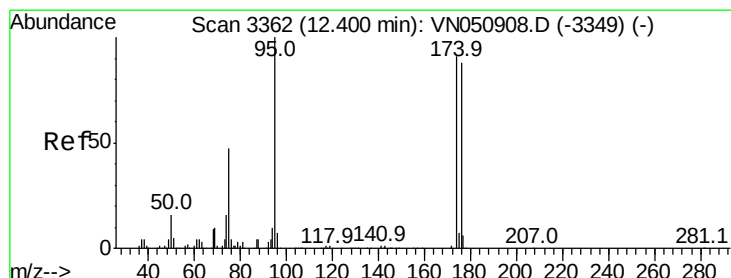
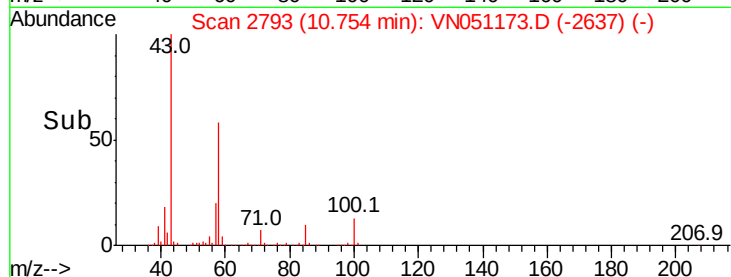
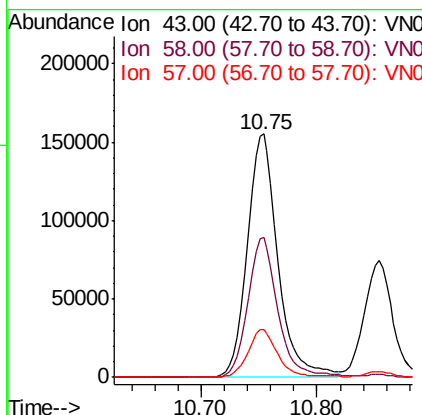
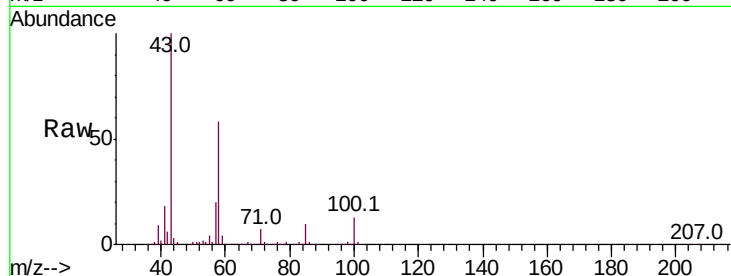




#59
2-Hexanone
Concen: 72.789 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

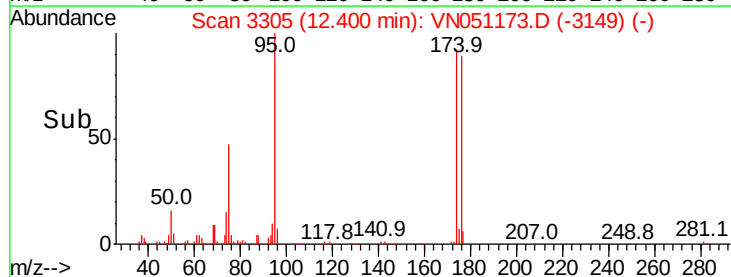
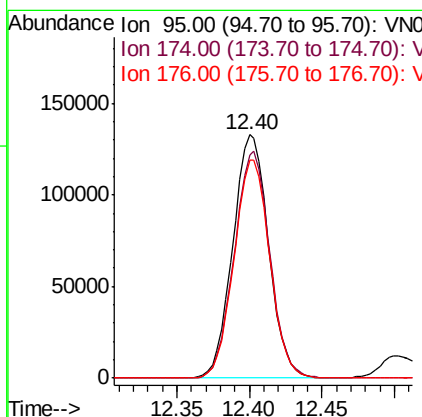
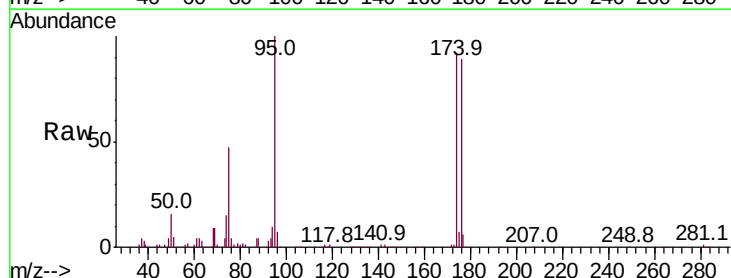
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

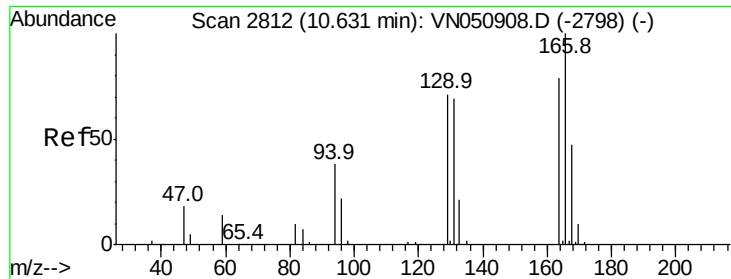
Tot Ion: 43 Resp: 285075
Ion Ratio Lower Upper
43 100
58 56.7 45.5 68.3
57 19.2 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.152 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 95 Resp: 227018
Ion Ratio Lower Upper
95 100
174 92.9 74.6 112.0
176 89.9 71.5 107.3





#61

Tetrachloroethene

Concen: 21.015 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 137138

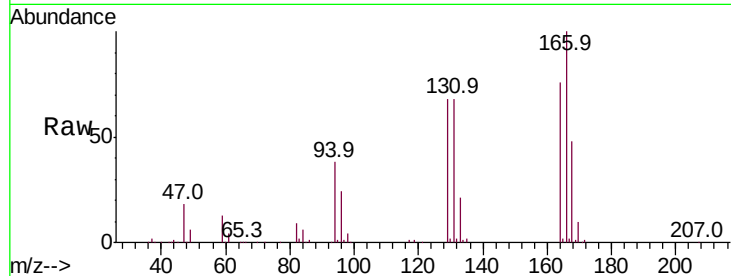
Ion Ratio Lower Upper

164 100

166 131.6 100.6 151.0

129 89.9 71.0 106.6

131 89.2 69.3 103.9

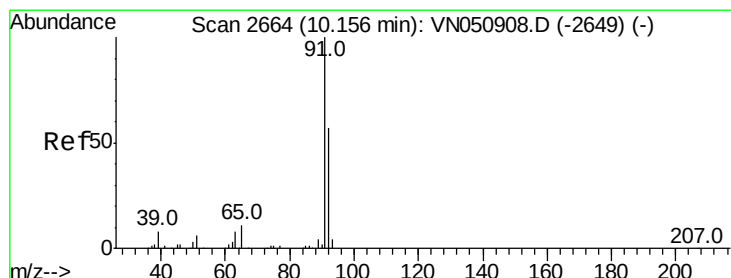
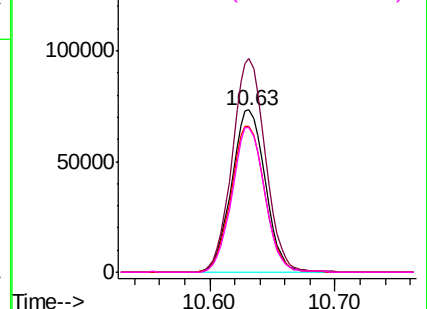
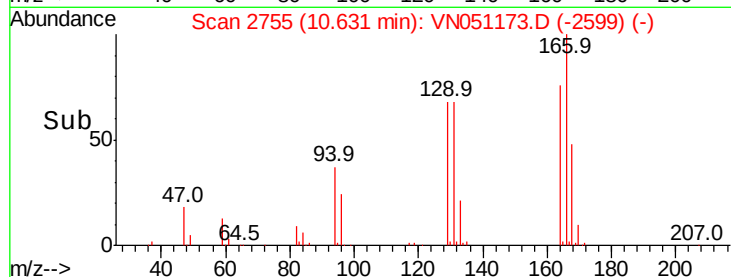


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.532 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051173.D

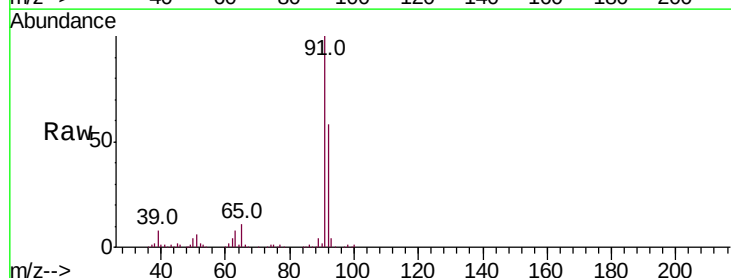
Acq: 14 Sep 2018 7:44

Tgt Ion: 91 Resp: 599848

Ion Ratio Lower Upper

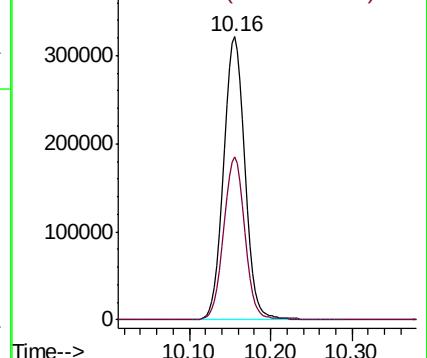
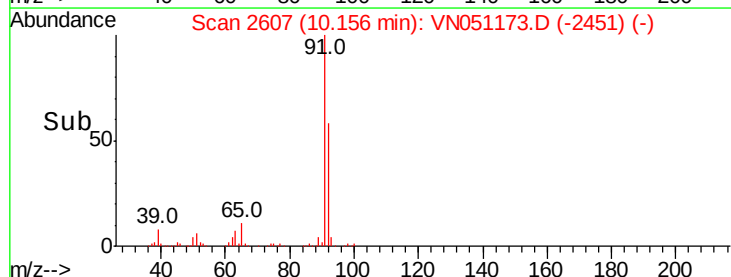
91 100

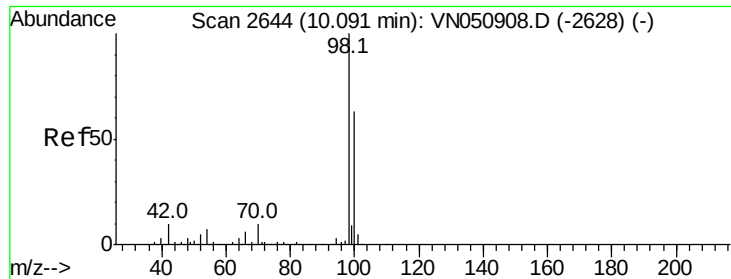
92 57.5 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.942 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

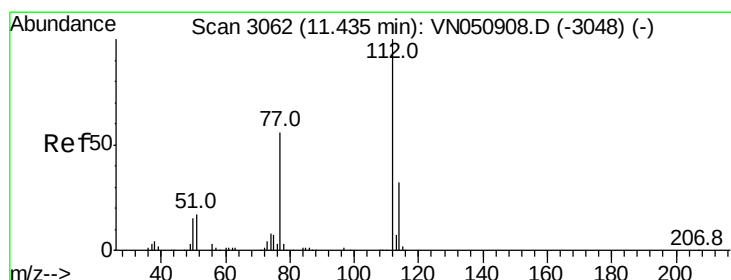
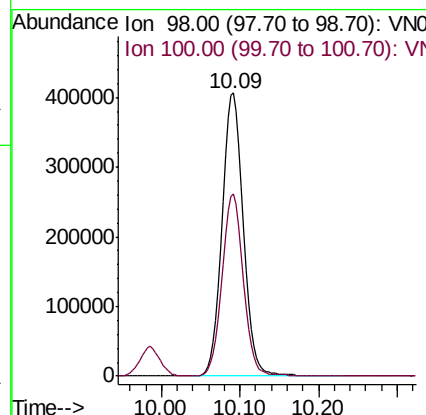
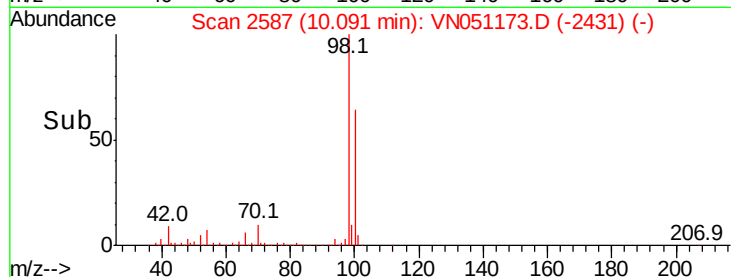
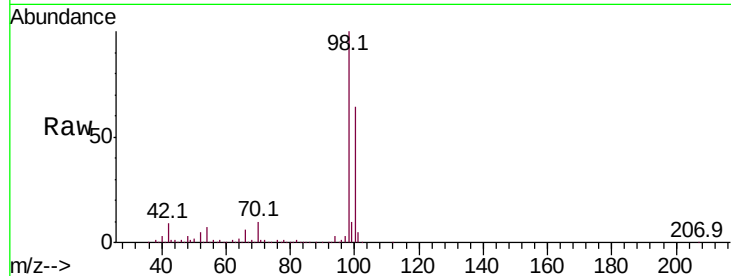
VSTDCCC020

Tot Ion: 98 Resp: 755626

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#64

Chlorobenzene

Concen: 20.123 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051173.D

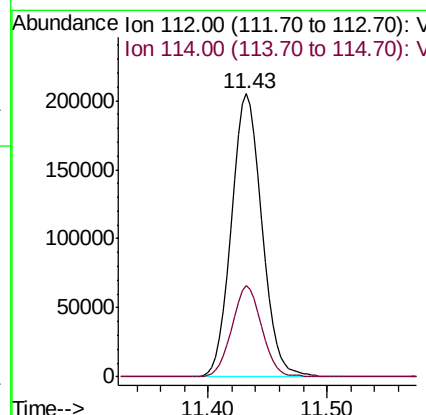
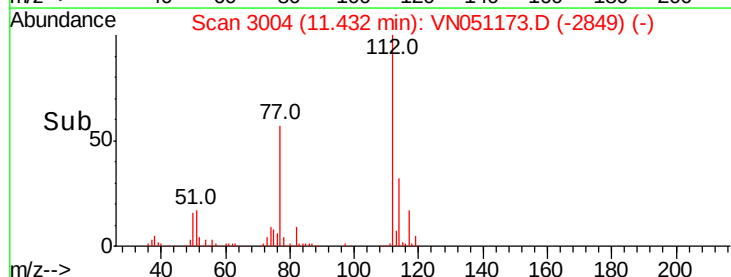
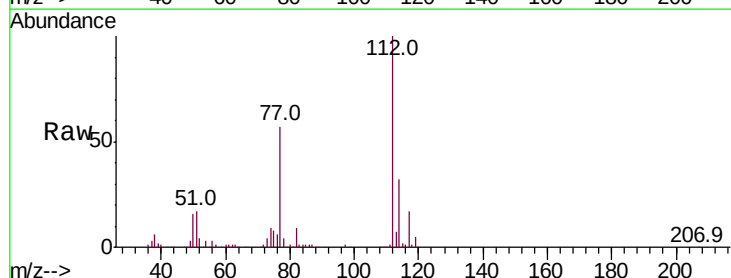
Acq: 14 Sep 2018 7:44

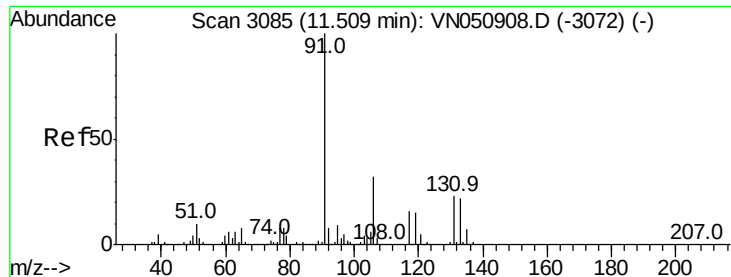
Tgt Ion: 112 Resp: 364370

Ion Ratio Lower Upper

112 100

114 32.3 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.997 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

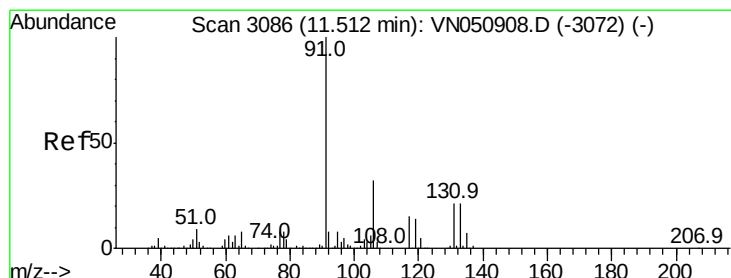
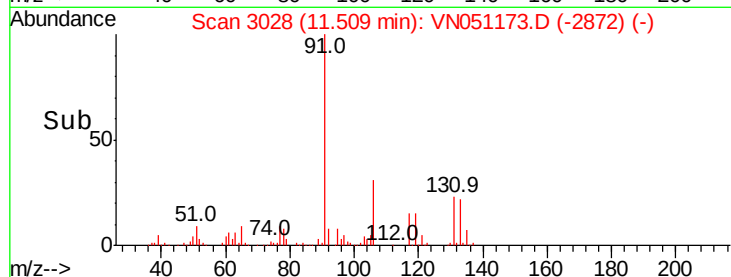
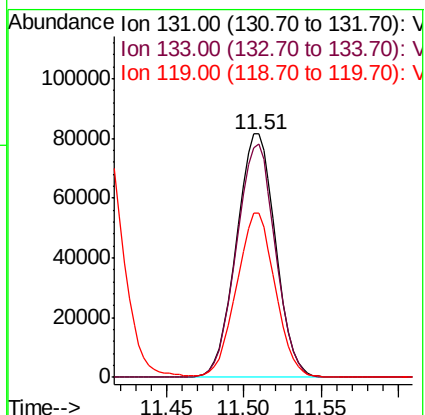
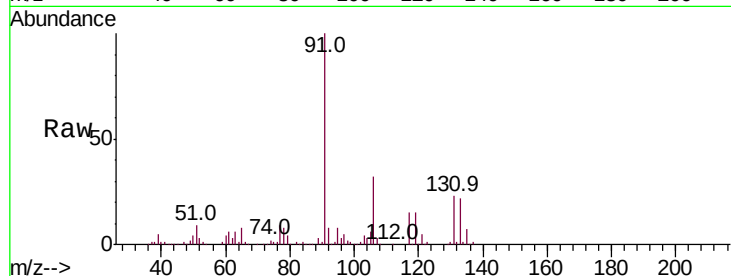
Tot Ion:131 Resp: 143546

Ion Ratio Lower Upper

131 100

133 95.5 0.0 189.4

119 66.7 0.0 132.2



#66

Ethyl Benzene

Concen: 19.529 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051173.D

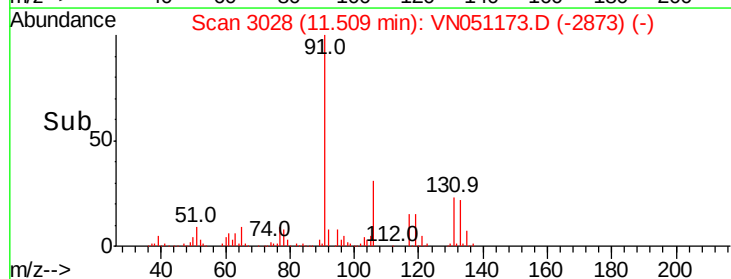
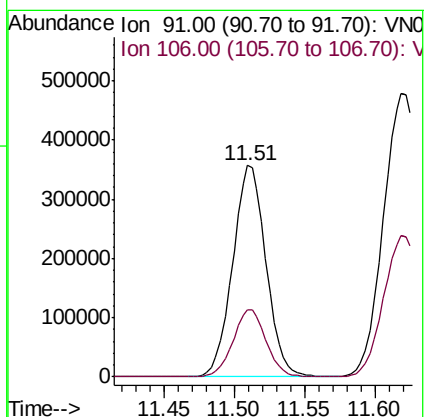
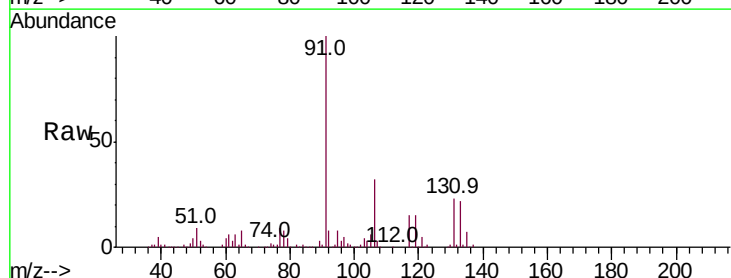
Acq: 14 Sep 2018 7:44

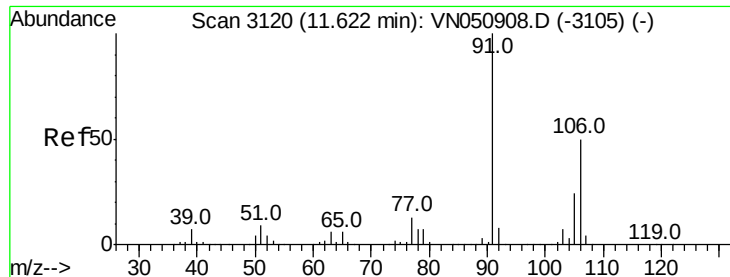
Tgt Ion: 91 Resp: 590988

Ion Ratio Lower Upper

91 100

106 31.8 25.7 38.5

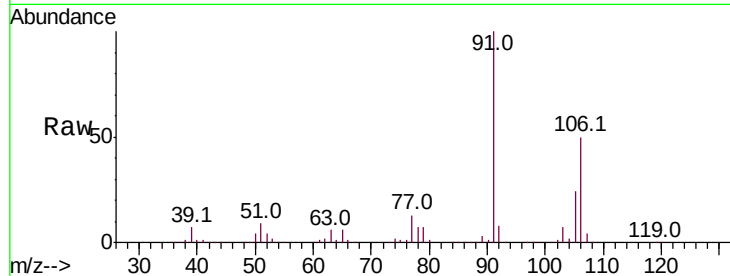




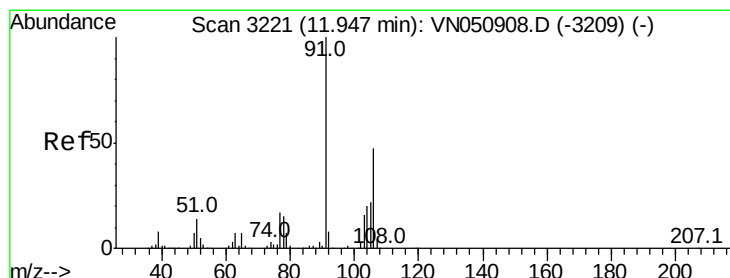
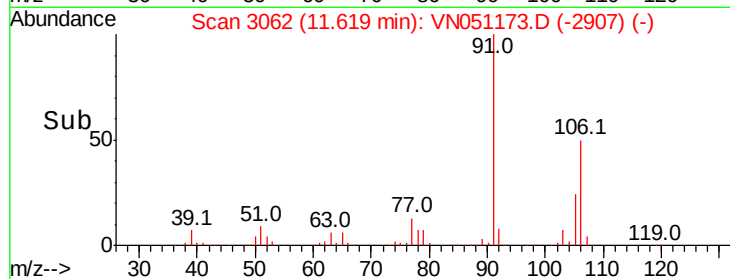
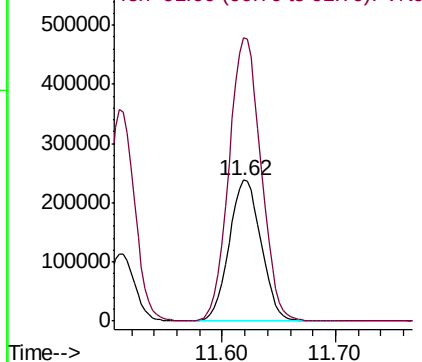
#67
m/p-Xylenes
Concen: 40.376 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:106 Resp: 470130
Ion Ratio Lower Upper
106 100
91 200.0 160.6 241.0

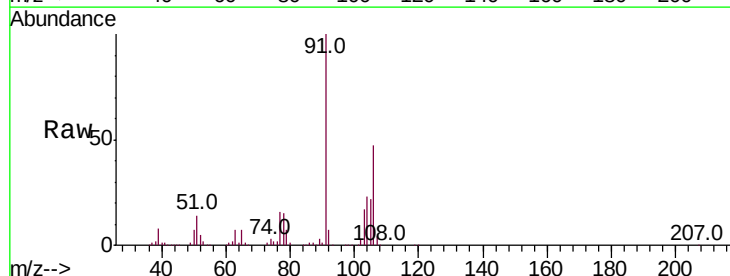


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

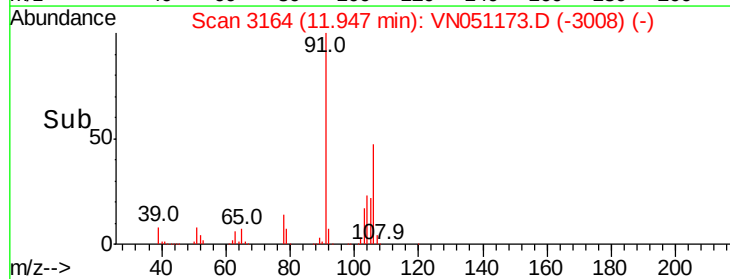
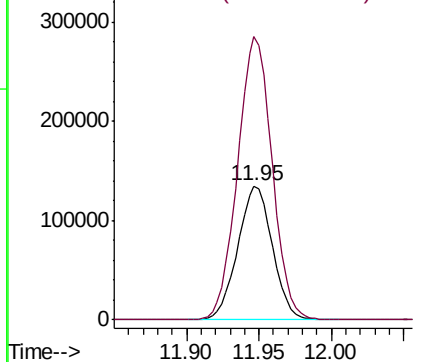


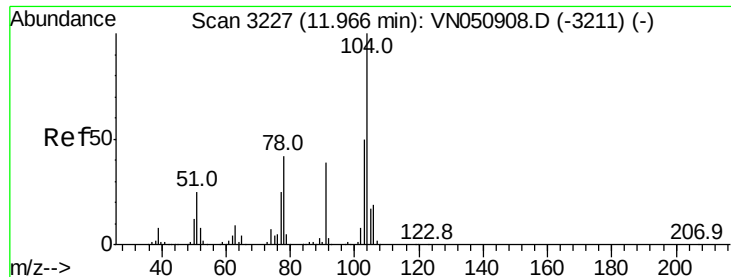
#68
o-Xylene
Concen: 20.175 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion:106 Resp: 224464
Ion Ratio Lower Upper
106 100
91 210.3 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 19.484 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

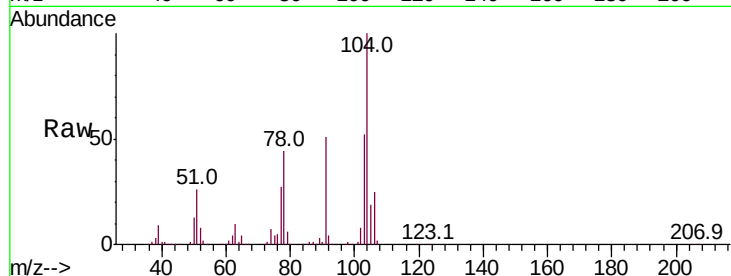
Tot Ion:104 Resp: 344653

Ion Ratio Lower Upper

104 100

78 48.1 38.6 58.0

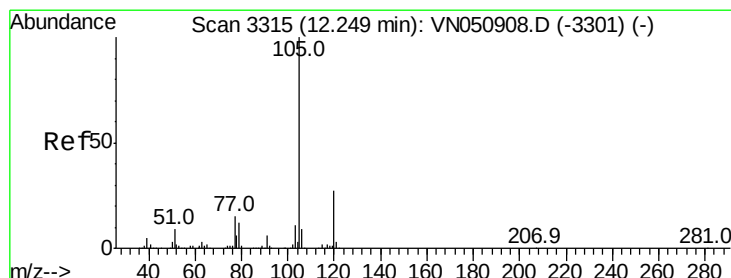
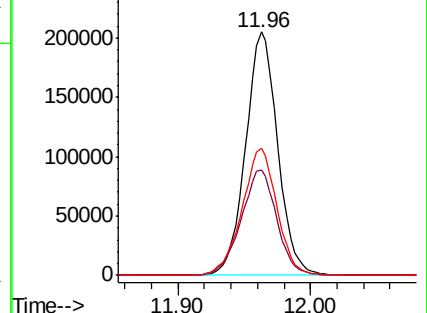
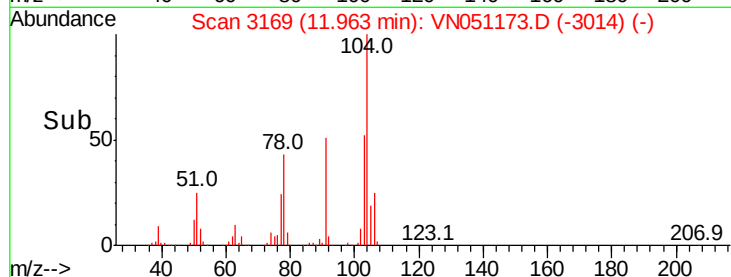
103 56.8 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.124 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051173.D

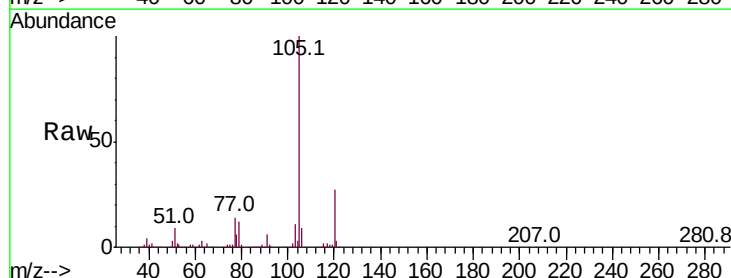
Acq: 14 Sep 2018 7:44

Tgt Ion:105 Resp: 594943

Ion Ratio Lower Upper

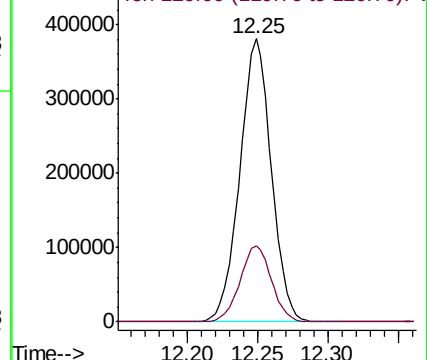
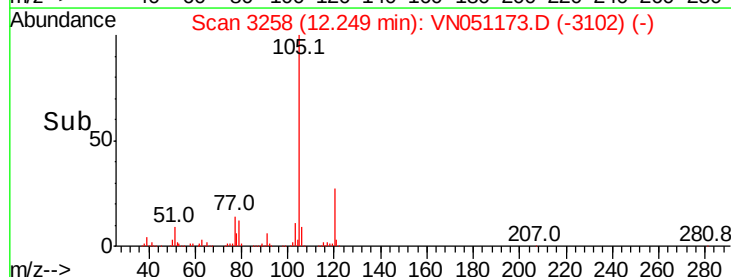
105 100

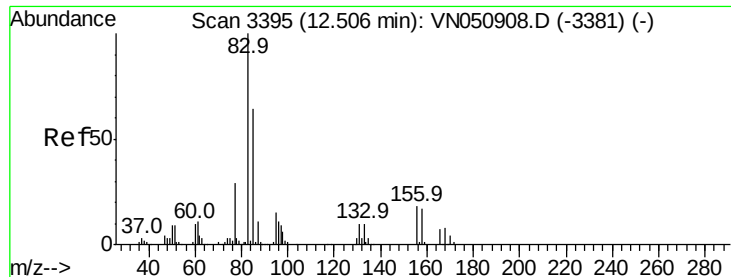
120 27.1 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

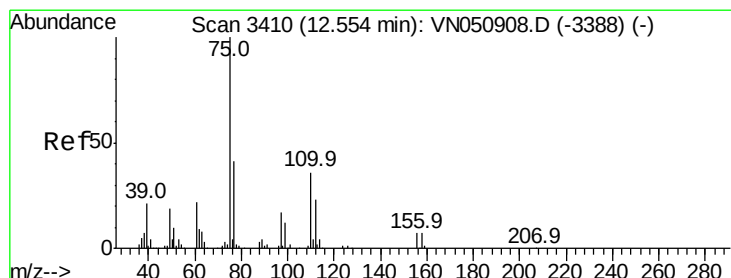
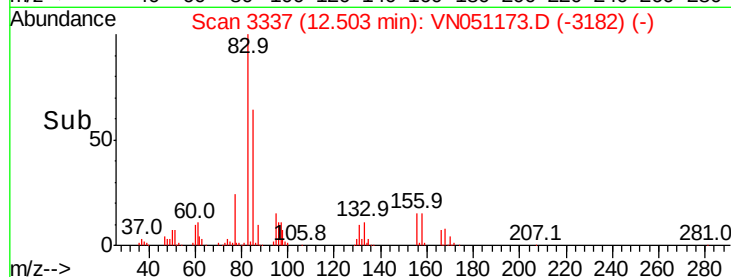
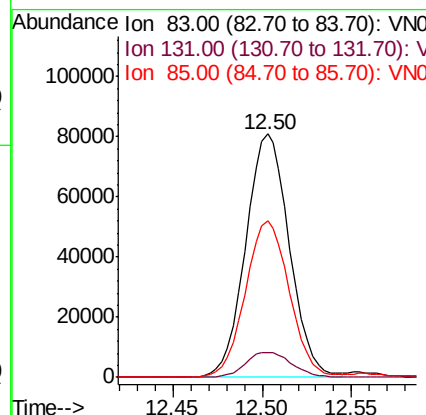
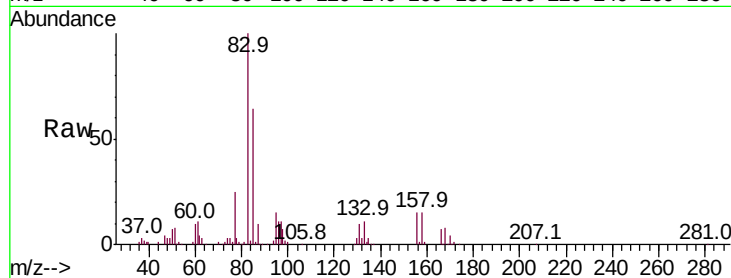




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.291 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

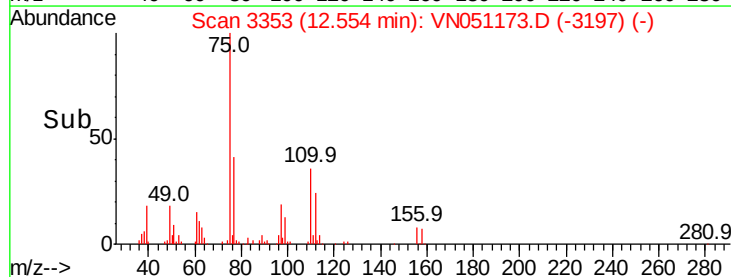
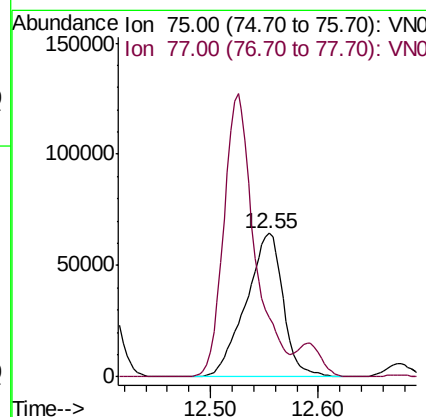
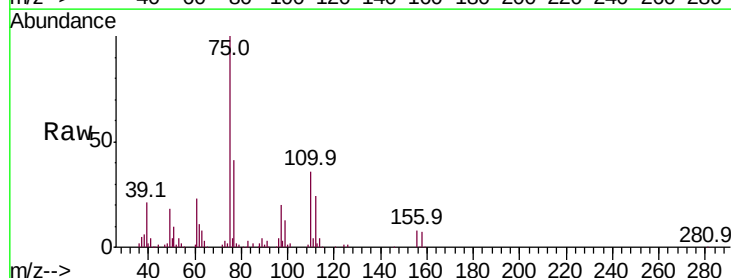
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

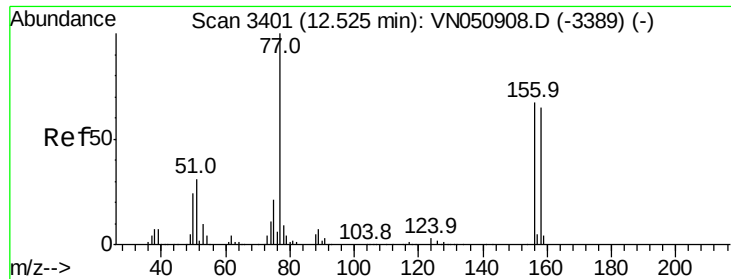
Tot Ion: 83 Resp: 138408
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.9
 85 64.8 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 22.385 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 75 Resp: 154581
 Ion Ratio Lower Upper
 75 100
 77 164.1 0.0 301.6





#73

Bromobenzene

Concen: 19.163 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

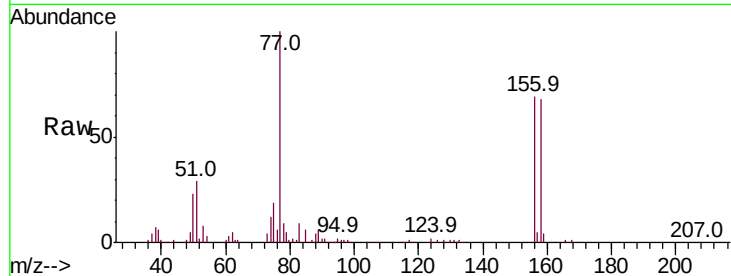
Tot Ion:156 Resp: 149053

Ion Ratio Lower Upper

156 100

77 170.2 0.0 359.4

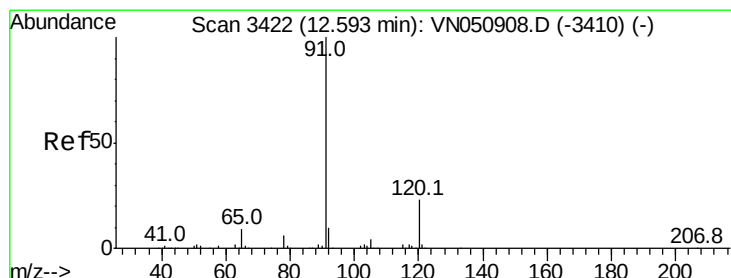
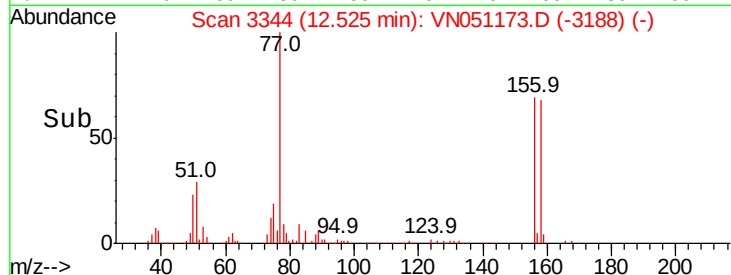
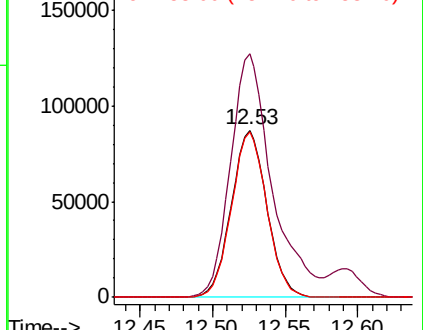
158 98.1 0.0 194.6



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: 19.605 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051173.D

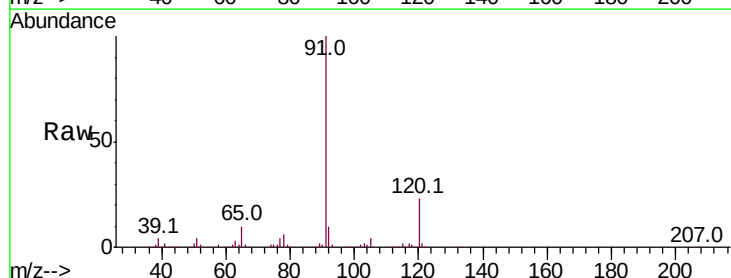
Acq: 14 Sep 2018 7:44

Tgt Ion: 91 Resp: 655261

Ion Ratio Lower Upper

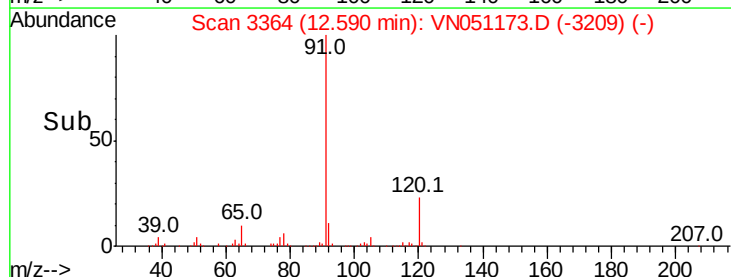
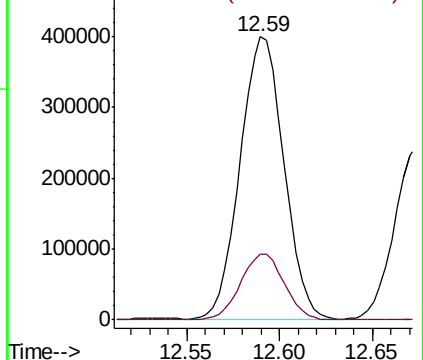
91 100

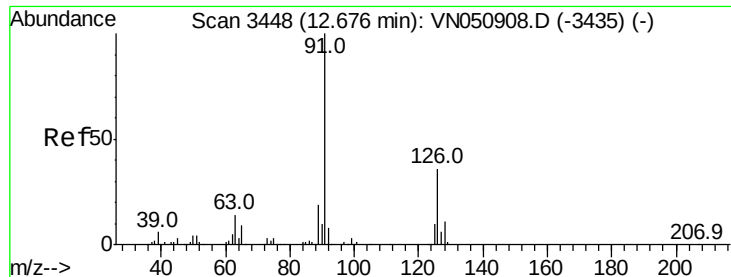
120 23.1 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.790 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

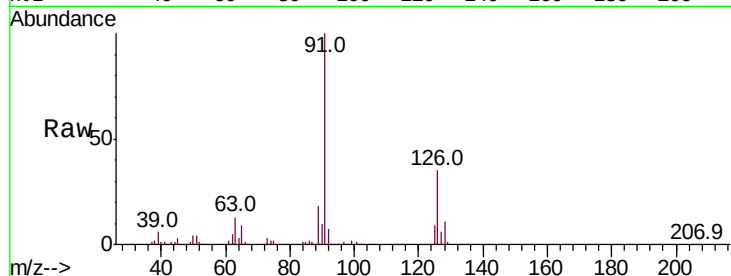
VSTDCCC020

Tot Ion: 91 Resp: 401852

Ion Ratio Lower Upper

91 100

126 35.7 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

400000

300000

200000

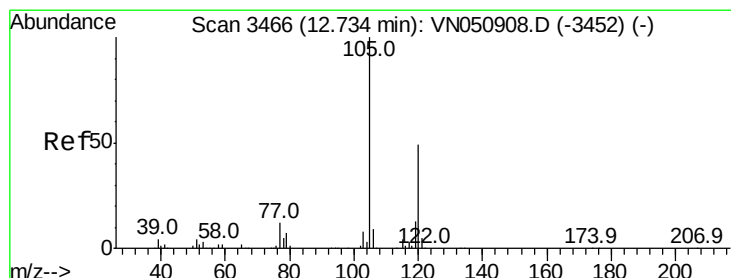
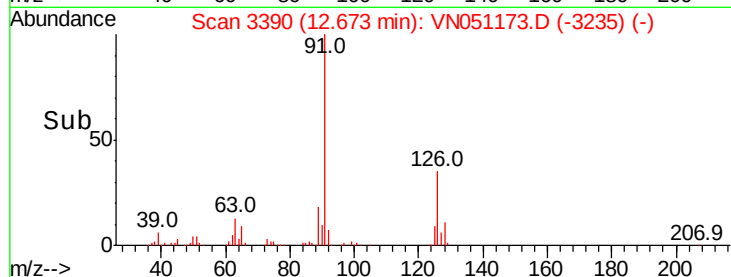
100000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.175 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051173.D

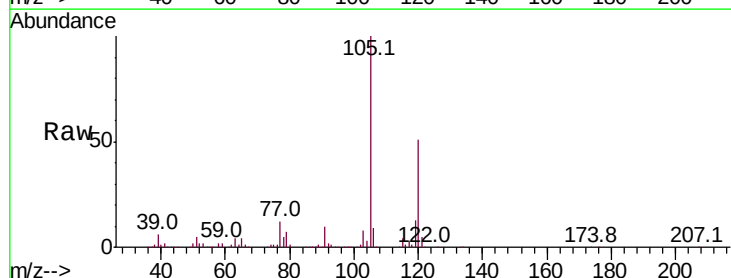
Acq: 14 Sep 2018 7:44

Tgt Ion:105 Resp: 487409

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

300000

200000

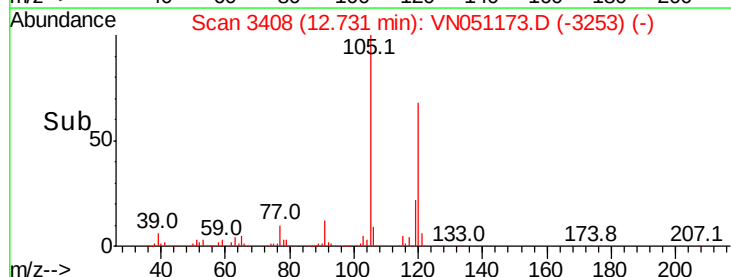
100000

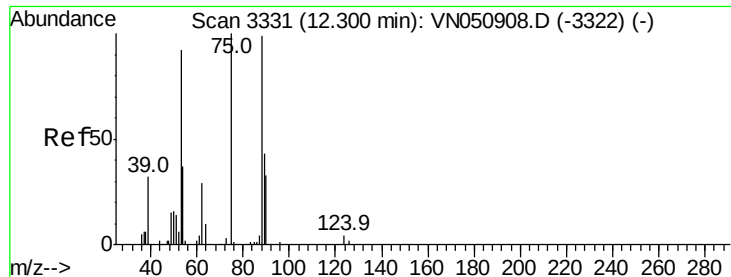
0

12.65 12.70 12.75 12.80

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 14.761 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

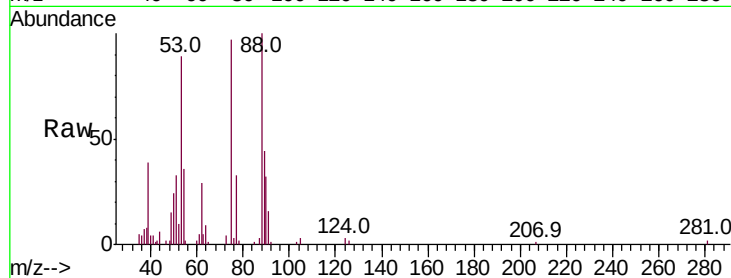
Tot Ion: 75 Resp: 29040

Ion Ratio Lower Upper

75 100

53 90.7 45.5 136.4

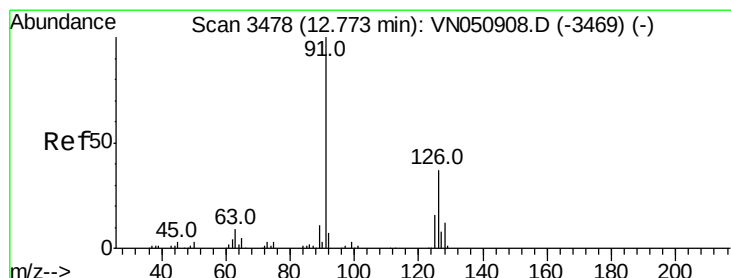
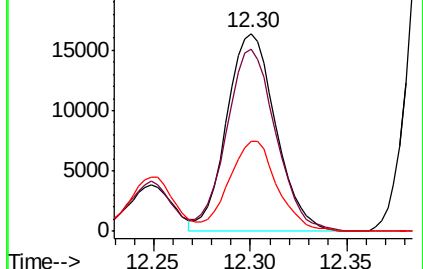
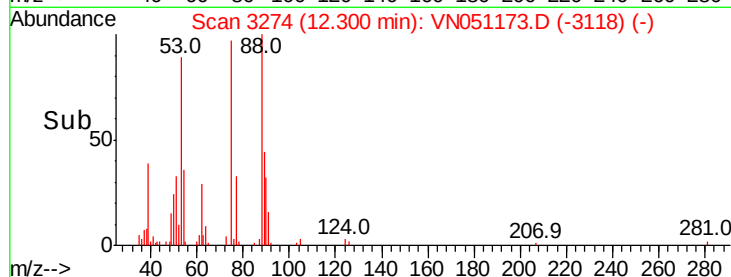
89 45.7 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.850 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051173.D

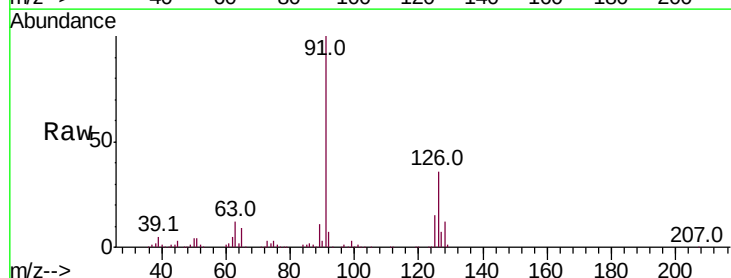
Acq: 14 Sep 2018 7:44

Tgt Ion: 91 Resp: 376871

Ion Ratio Lower Upper

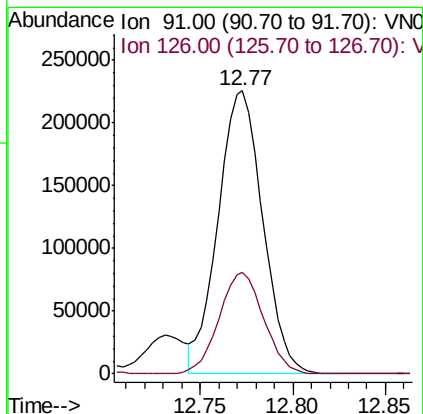
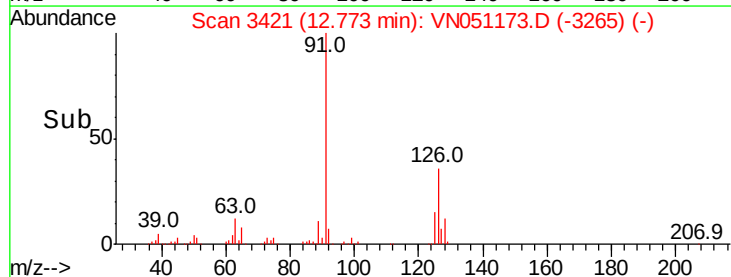
91 100

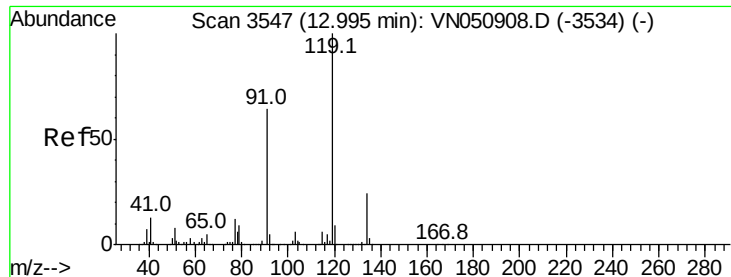
126 35.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.727 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

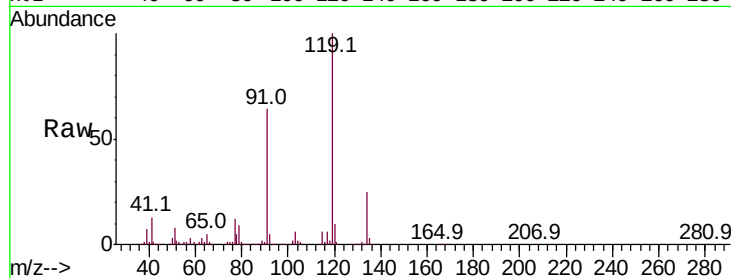
Tot Ion:119 Resp: 413911

Ion Ratio Lower Upper

119 100

91 62.9 0.0 125.6

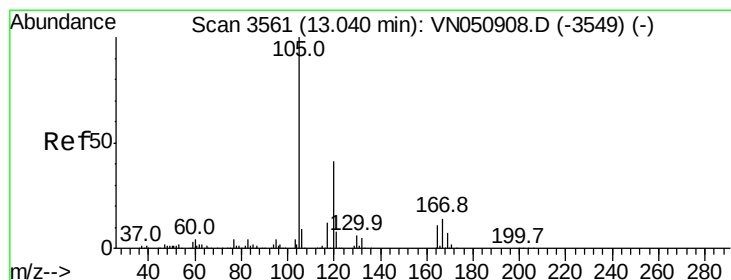
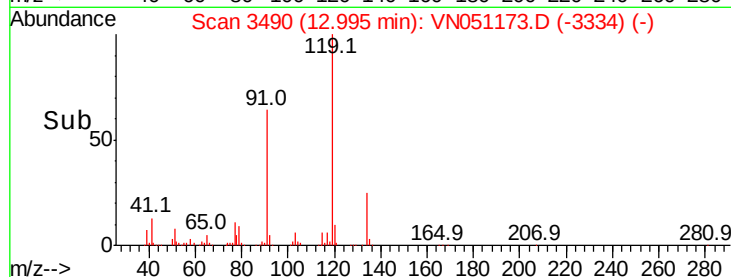
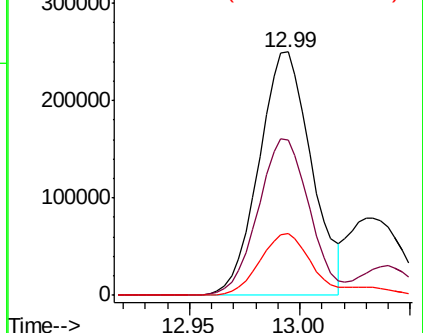
134 24.6 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.178 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051173.D

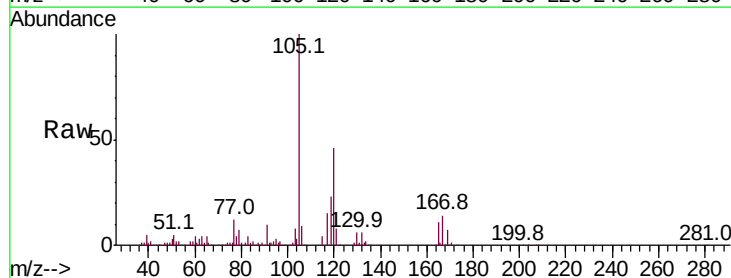
Acq: 14 Sep 2018 7:44

Tgt Ion:105 Resp: 486037

Ion Ratio Lower Upper

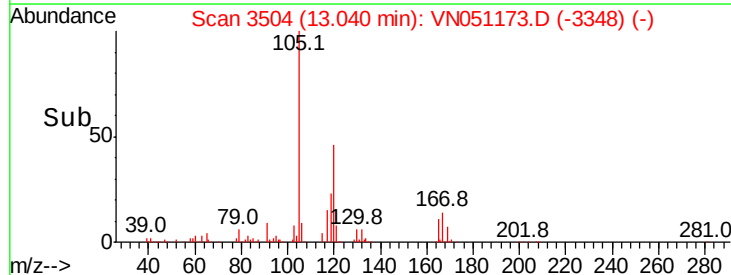
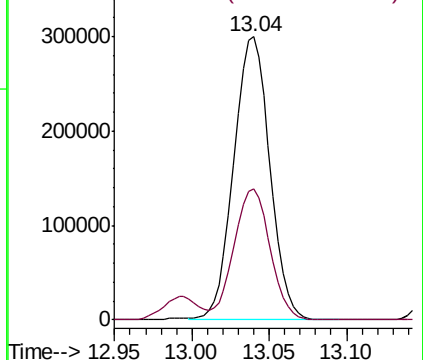
105 100

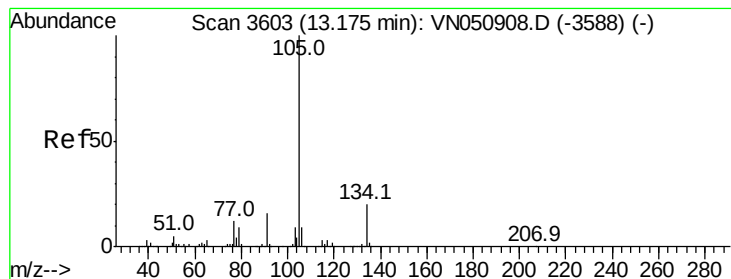
120 46.3 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.966 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

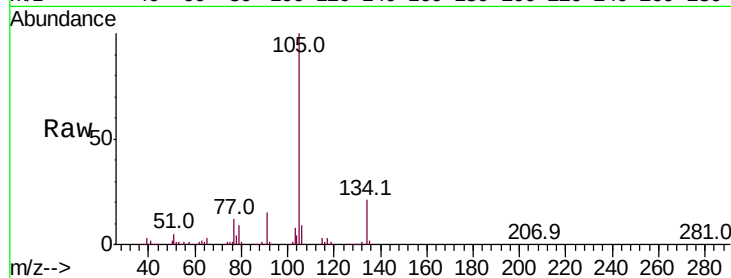
VSTDCCC020

Tot Ion:105 Resp: 548118

Ion Ratio Lower Upper

105 100

134 20.8 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

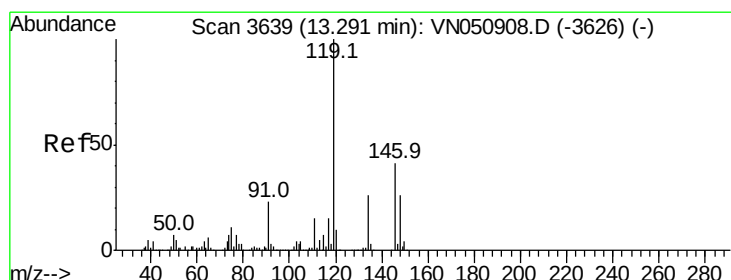
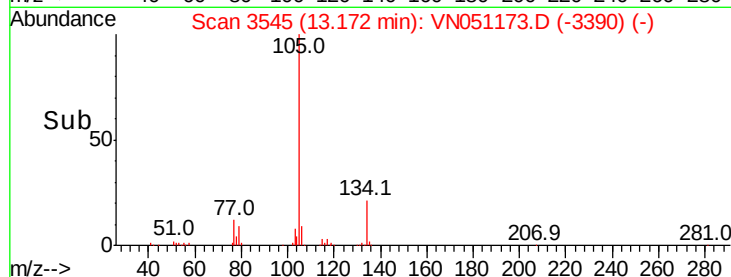
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 19.681 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

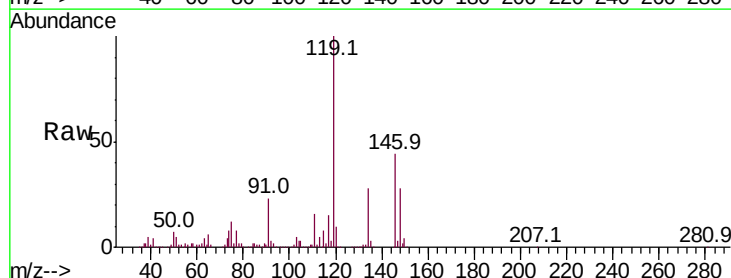
Tgt Ion:119 Resp: 466367

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.2

91 22.8 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

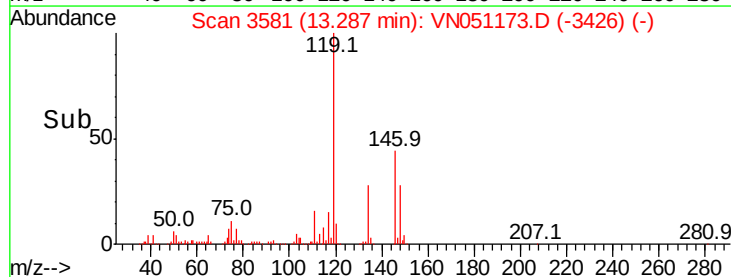
300000

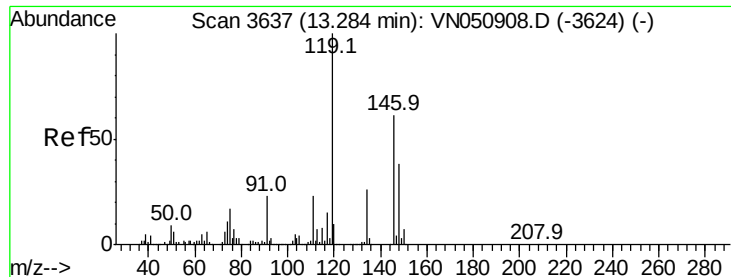
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 18.595 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

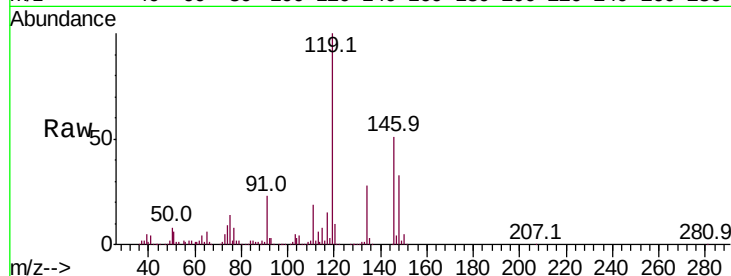
Tot Ion:146 Resp: 244531

Ion Ratio Lower Upper

146 100

111 37.8 18.6 55.6

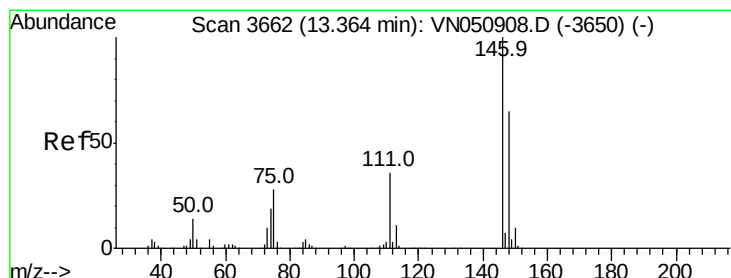
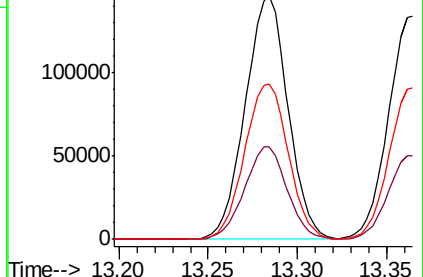
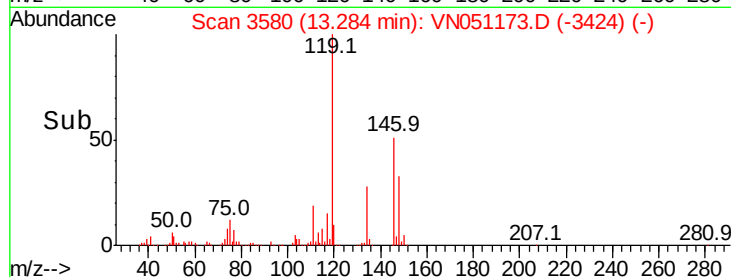
148 65.4 31.8 95.3



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: 18.011 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

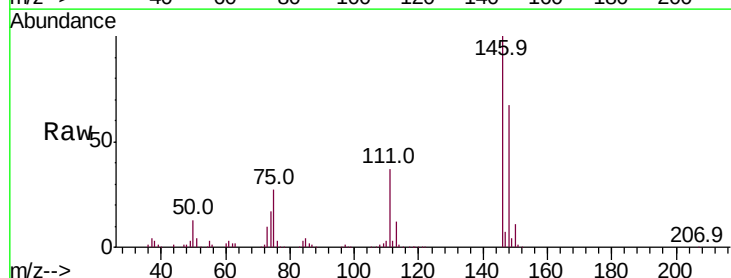
Tgt Ion:146 Resp: 224429

Ion Ratio Lower Upper

146 100

111 36.7 17.7 53.1

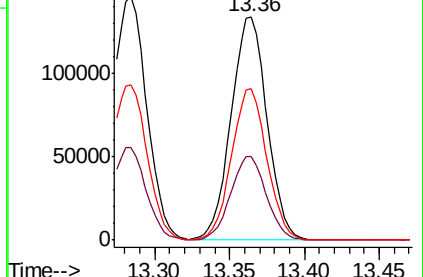
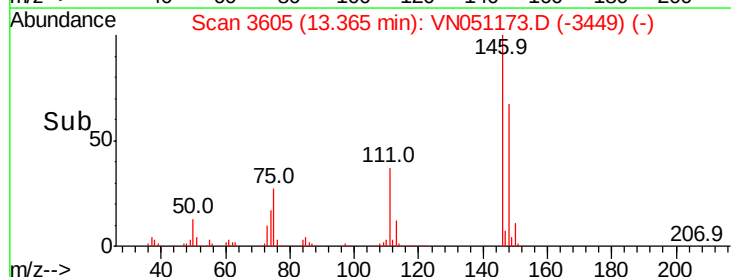
148 66.4 31.6 94.8

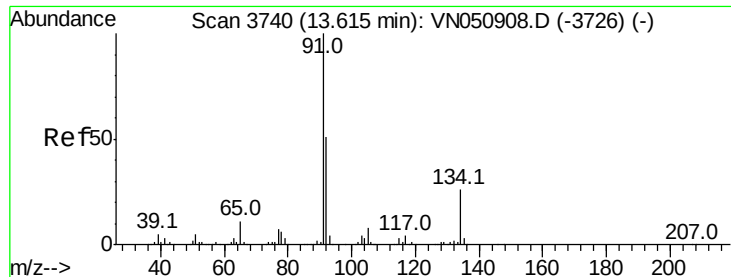


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.875 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

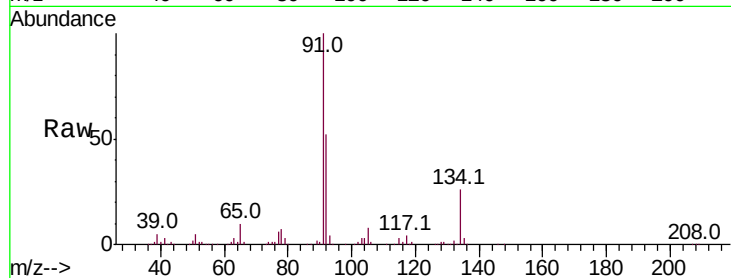
Tot Ion: 91 Resp: 323188

Ion Ratio Lower Upper

91 100

92 51.4 0.0 101.8

134 26.4 0.0 52.2

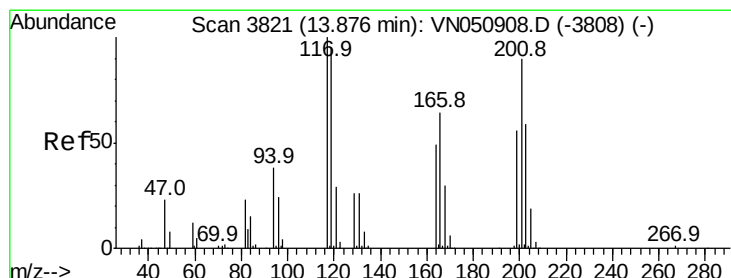
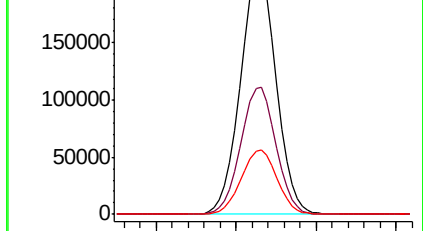
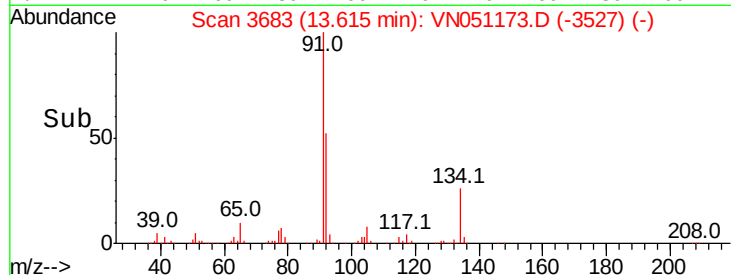


Abundance Ion 91.00 (90.70 to 91.70): VN051173.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN051173.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN051173.D (-3683) (-)

Time-->



#86

Hexachloroethane

Concen: 20.194 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051173.D

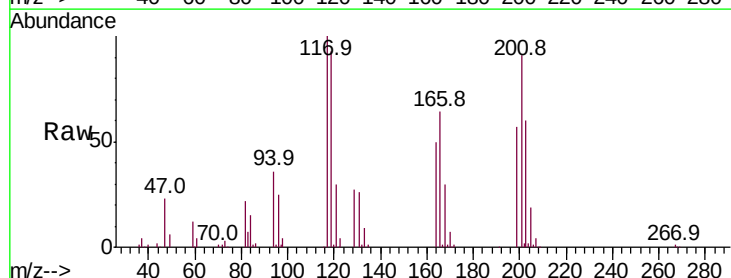
Acq: 14 Sep 2018 7:44

Tgt Ion: 117 Resp: 91845

Ion Ratio Lower Upper

117 100

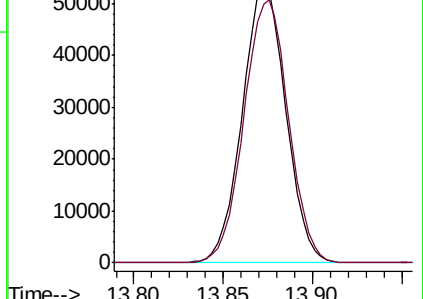
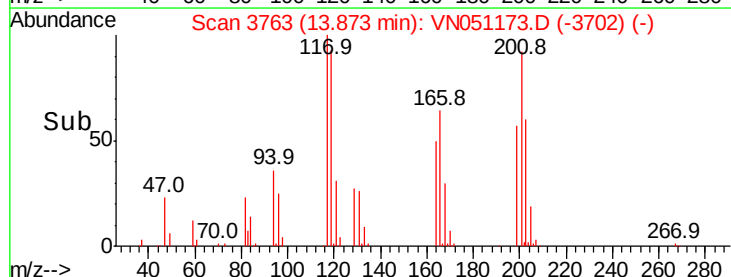
201 96.3 45.8 137.4

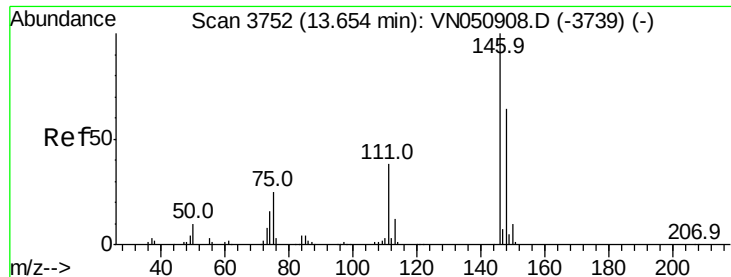


Abundance Ion 117.00 (116.70 to 117.70): VN051173.D (-3763) (-)

Ion 201.00 (200.70 to 201.70): VN051173.D (-3763) (-)

Time-->

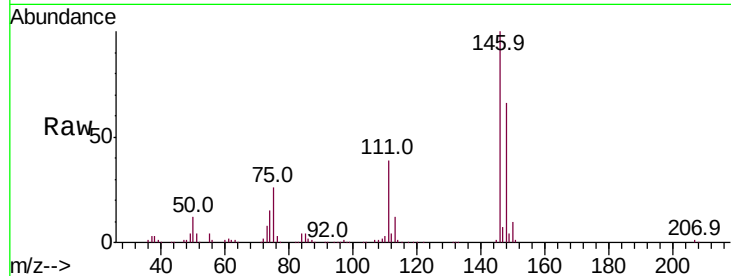




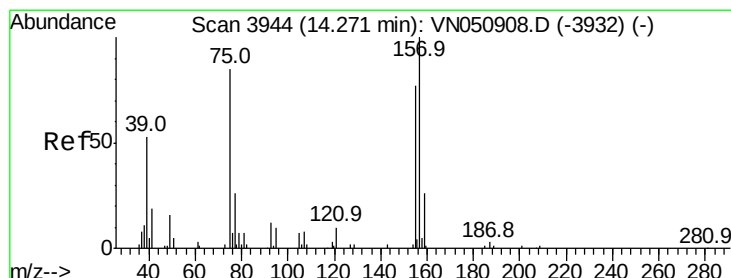
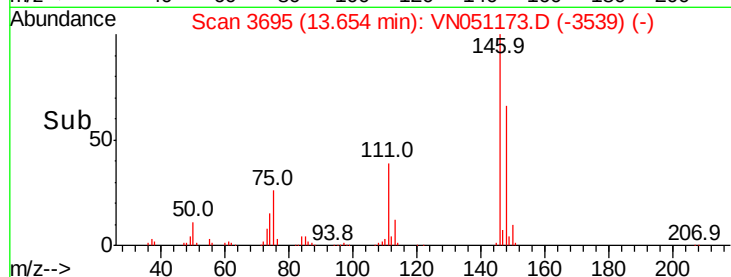
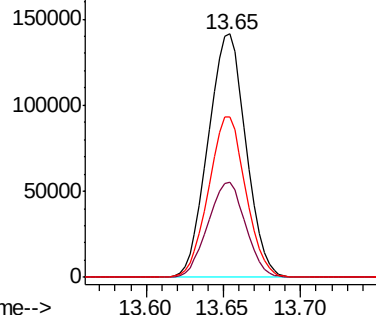
#87
 1,2-Dichlorobenzene
 Concen: 18.576 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.6	31.9	95.9

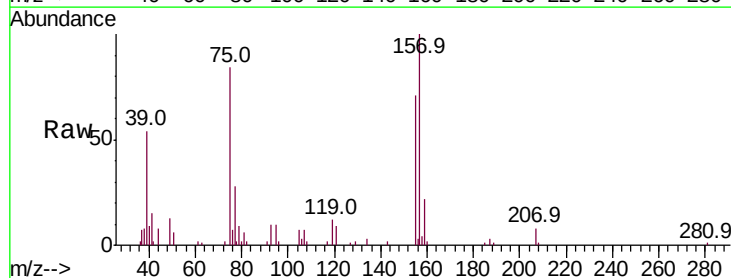


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

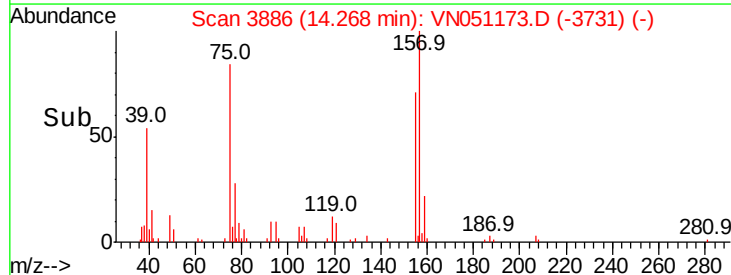
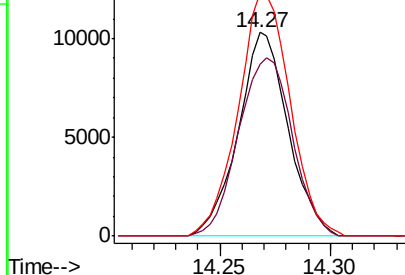


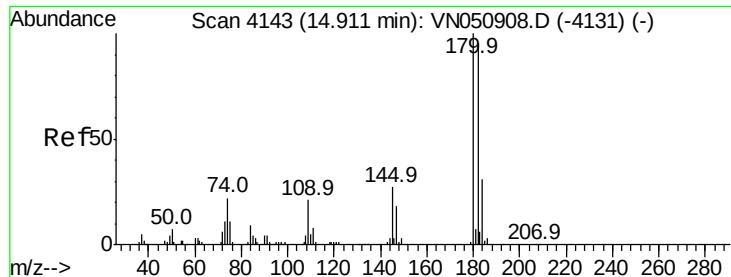
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.461 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	71.8	107.6
157	124.7	91.1	136.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

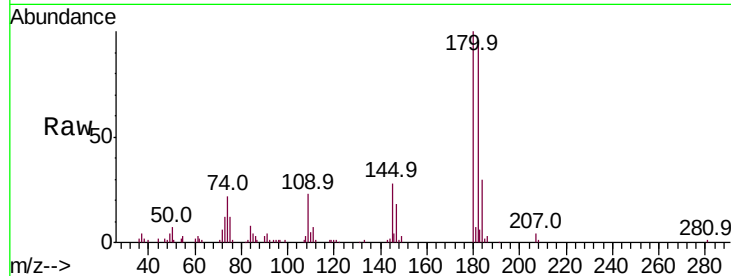




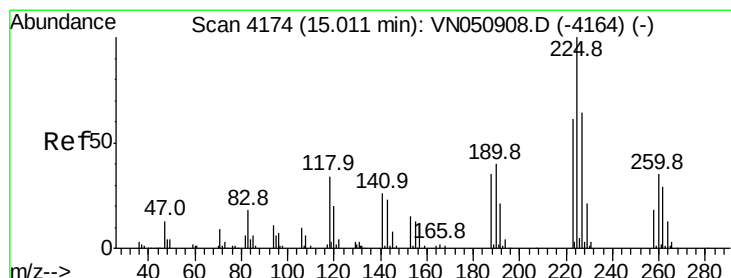
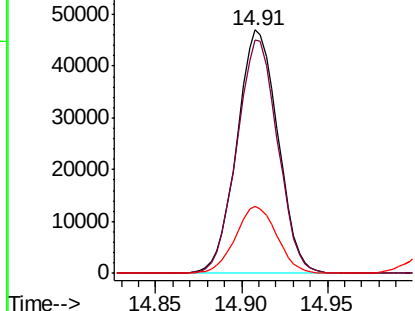
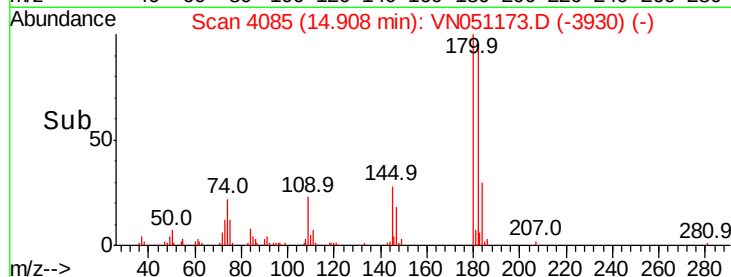
#89
 1,2,4-Trichlorobenzene
 Concen: 13.476 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 77658
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.4
 145 28.0 22.2 33.4

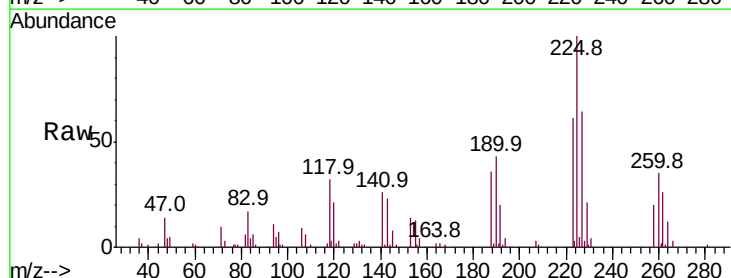


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

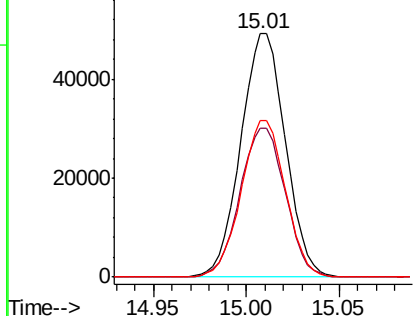
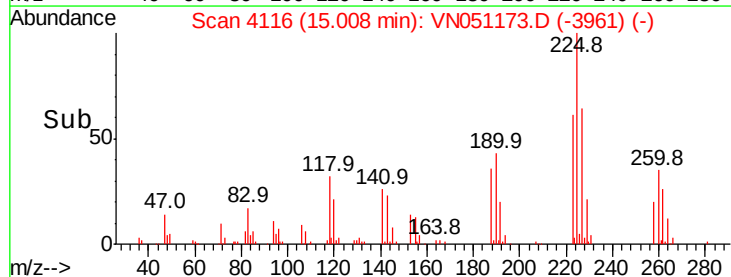


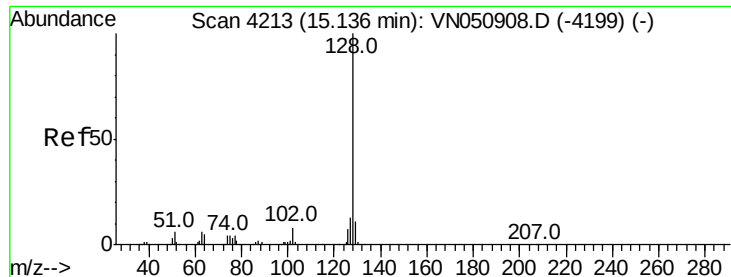
#90
 Hexachlorobutadiene
 Concen: 20.996 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion:225 Resp: 82203
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 127.8
 227 63.6 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

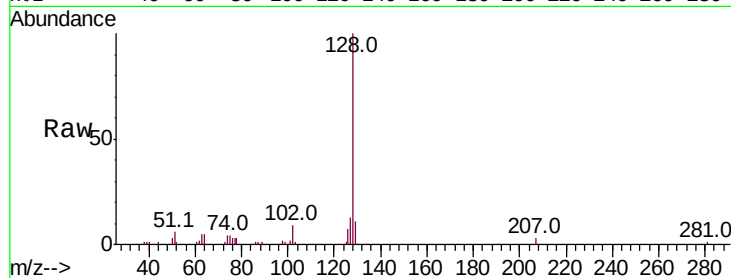




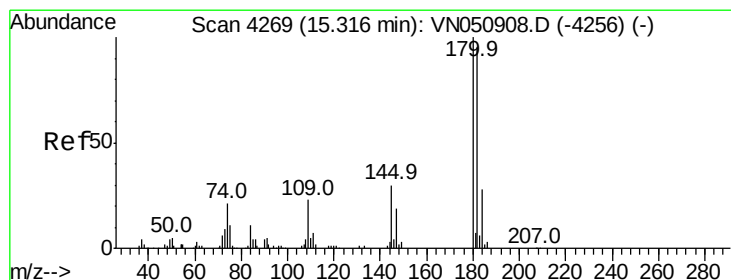
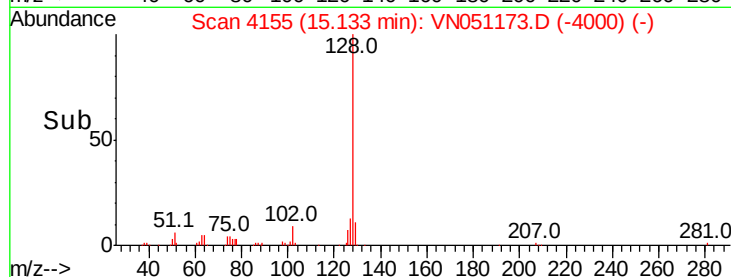
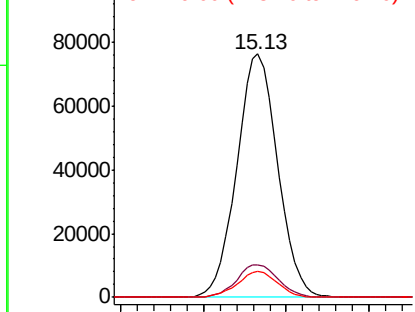
#91
Naphthalene
Concen: 15.852 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 131036
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 10.4 8.7 13.1

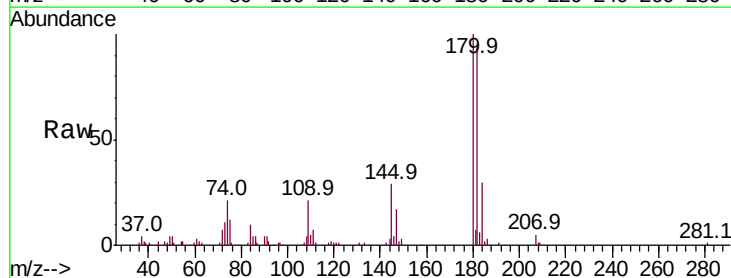


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 14.383 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion:180 Resp: 83168
Ion Ratio Lower Upper
180 100
182 95.3 0.0 192.8
145 29.6 0.0 60.0



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

