

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051563.D
 Acq On : 27 Sep 2018 4:44
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 27 09:10:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	438971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316684	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	309052	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
35) Dibromofluoromethane	7.59	113	274158	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
50) Toluene-d8	10.09	98	953162	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	332099	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	160145	39.104	ug/l	100
3) Chloromethane	2.06	50	255459	39.185	ug/l	100
4) Vinyl Chloride	2.19	62	287681	39.981	ug/l	99
5) Bromomethane	2.56	94	139871	32.458	ug/l	95
6) Chloroethane	2.70	64	156560	34.918	ug/l	99
7) Trichlorofluoromethane	3.01	101	379036	40.216	ug/l	98
8) Diethyl Ether	3.41	74	148591	50.340	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	225947	42.478	ug/l	97
10) Methyl Iodide	3.95	142	275167	39.003	ug/l	98
11) Tert butyl alcohol	4.79	59	86106	277.453	ug/l #	78
12) 1,1-Dichloroethene	3.73	96	197065	40.349	ug/l	97
13) Acrolein	3.61	56	79975	259.513	ug/l	97
14) Allyl chloride	4.32	41	381238	46.524	ug/l	96
15) Acrylonitrile	4.99	53	475562	281.694	ug/l	99
16) Acetone	3.82	43	321290	264.296	ug/l	96
17) Carbon Disulfide	4.05	76	521413	36.338	ug/l	99
18) Methyl Acetate	4.33	43	255751	61.068	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	695188	55.198	ug/l	98
20) Methylene Chloride	4.55	84	279544	51.373	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	230615	46.157	ug/l	98
22) Diisopropyl ether	5.95	45	929007	58.651	ug/l	98
23) Vinyl Acetate	5.90	43	2940520	282.769	ug/l	99
24) 1,1-Dichloroethane	5.85	63	500128	52.919	ug/l	99
25) 2-Butanone	6.84	43	514506	273.363	ug/l	99
26) 2,2-Dichloropropane	6.82	77	256098	34.714	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	278092	50.726	ug/l	100
28) Bromochloromethane	7.19	49	267596	61.314	ug/l	99
29) Tetrahydrofuran	7.21	42	359688	301.566	ug/l	96
30) Chloroform	7.37	83	512303	54.707	ug/l	99
31) Cyclohexane	7.65	56	367158	42.403	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	399357	49.884	ug/l	99
36) 1,1-Dichloropropene	7.79	75	335426	45.106	ug/l	98
37) Ethyl Acetate	6.93	43	235981	55.192	ug/l	100
38) Carbon Tetrachloride	7.77	117	349268	44.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	351284	40.409	ug/l	97
40) Benzene	8.04	78	1079210	49.426	ug/l	100
41) Methacrylonitrile	7.18	41	134574	56.891	ug/l	96
42) 1,2-Dichloroethane	8.12	62	375282	53.676	ug/l	99
43) Isopropyl Acetate	8.16	43	460896	59.613	ug/l	95
44) Trichloroethene	8.83	130	270038	46.562	ug/l	100
45) 1,2-Dichloropropane	9.12	63	319309	53.797	ug/l	99
46) Dibromomethane	9.21	93	180615	53.857	ug/l	98
47) Bromodichloromethane	9.40	83	405698	54.665	ug/l	98
48) Methyl methacrylate	9.20	41	214218	55.574	ug/l	99
49) 1,4-Dioxane	9.20	88	52376	1108.695	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1226023	288.337	ug/l	99
52) Toluene	10.16	92	654013	48.197	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	374493	49.982	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431251	49.632	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	263784	55.005	ug/l	98
56) Ethyl methacrylate	10.43	69	326485	55.682	ug/l	100
57) 1,3-Dichloropropane	10.71	76	448042	54.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	831305	261.008	ug/l	98
59) 2-Hexanone	10.75	43	778752	282.520	ug/l	98
60) Dibromochloromethane	10.90	129	301254	53.241	ug/l	99
61) 1,2-Dibromoethane	11.00	107	247020	53.060	ug/l	100
64) Tetrachloroethene	10.63	164	265321	49.595	ug/l	97
65) Chlorobenzene	11.43	112	733097	48.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	290508	50.417	ug/l	99
67) Ethyl Benzene	11.51	91	1221767	47.935	ug/l	99
68) m/p-Xylenes	11.62	106	957935	97.164	ug/l	100
69) o-Xylene	11.95	106	460587	48.596	ug/l	96
70) Styrene	11.96	104	766977	51.069	ug/l	99
71) Bromoform	12.13	173	201277	51.479	ug/l	99
73) Isopropylbenzene	12.25	105	1217726	45.574	ug/l	100
74) N-amyl acetate	12.07	43	360854	53.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	321459	51.592	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	379921	72.267	ug/l #	100
77) Bromobenzene	12.53	156	315709	46.674	ug/l	95
78) n-propylbenzene	12.59	91	1409434	46.803	ug/l	98
79) 2-Chlorotoluene	12.67	91	855678	47.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1044927	47.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78132	45.700	ug/l	98
82) 4-Chlorotoluene	12.77	91	872609	48.502	ug/l	99
83) tert-Butylbenzene	12.99	119	889334	45.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1064727	48.496	ug/l	100
85) sec-Butylbenzene	13.17	105	1221453	46.558	ug/l	99
86) p-Isopropyltoluene	13.29	119	1068908	47.086	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	563618	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	539551	47.906	ug/l	99
89) n-Butylbenzene	13.62	91	867798	46.487	ug/l	99
90) Hexachloroethane	13.87	117	205079	45.340	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	560652	49.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46371	52.149	ug/l	96

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

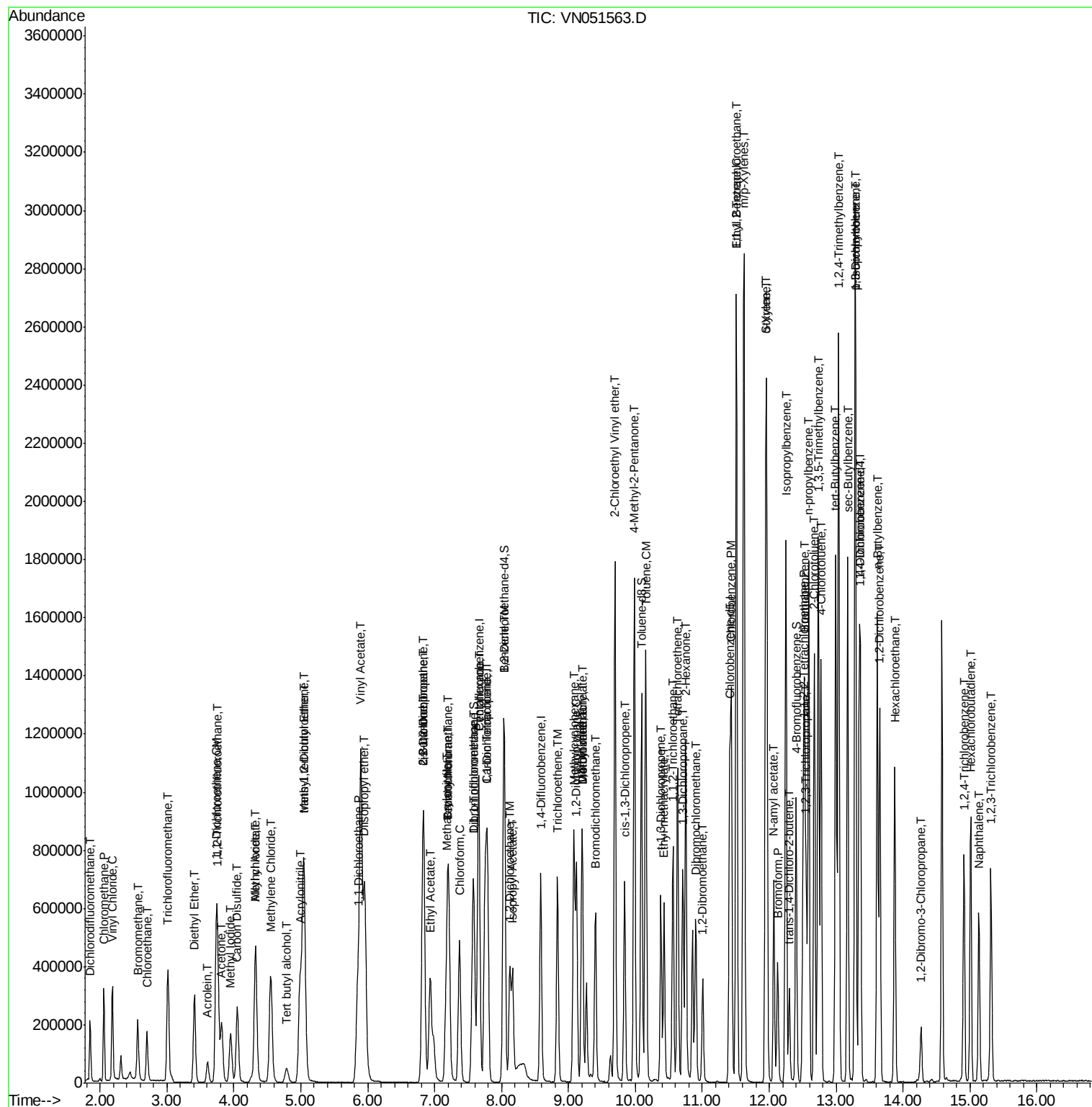
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267083	44.383	ug/l	99
94) Hexachlorobutadiene	15.01	225	192482	44.793	ug/l	99
95) Naphthalene	15.13	128	491865	43.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	267069	49.000	ug/l	98

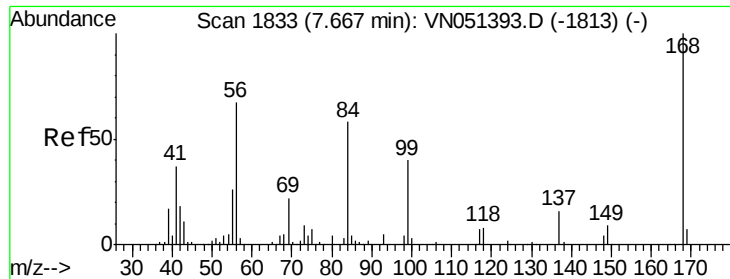
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

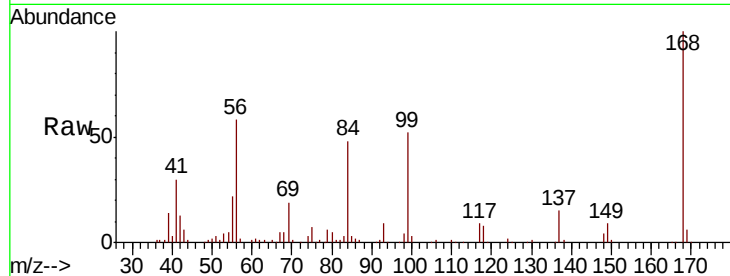
VSTDCCC050

Tot Ion:168 Resp: 438971

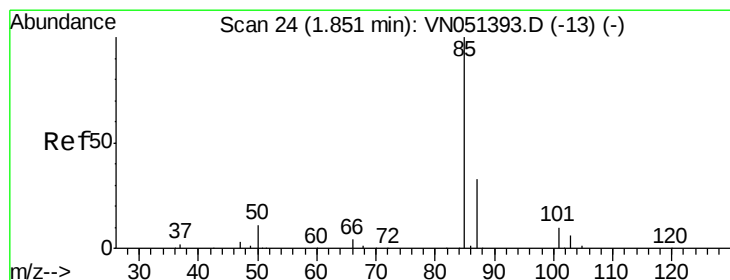
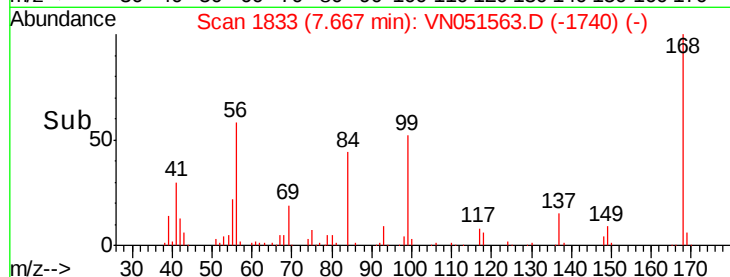
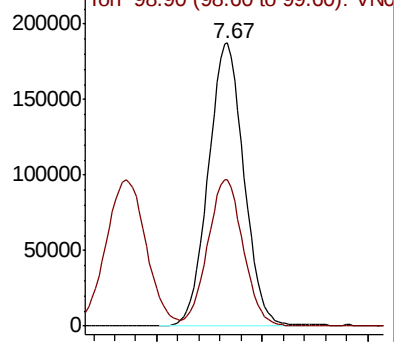
Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051563.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 39.104 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051563.D

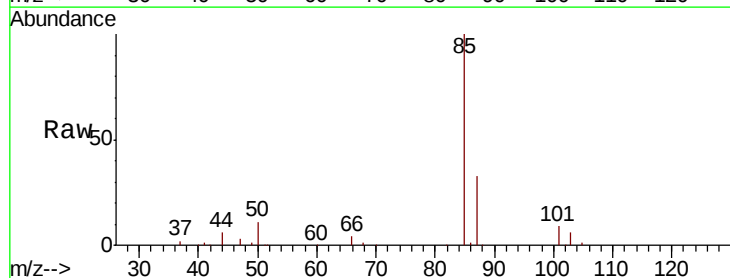
Acq: 27 Sep 2018 4:44

Tgt Ion: 85 Resp: 160145

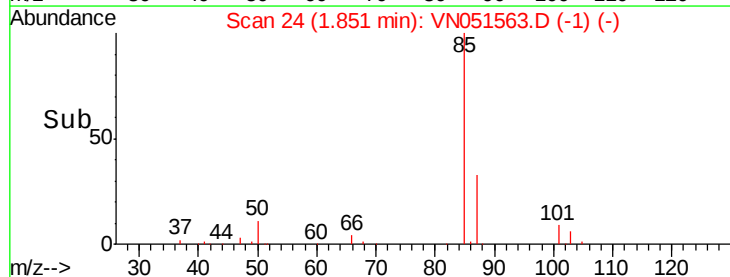
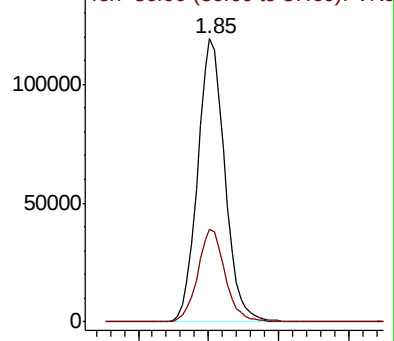
Ion Ratio Lower Upper

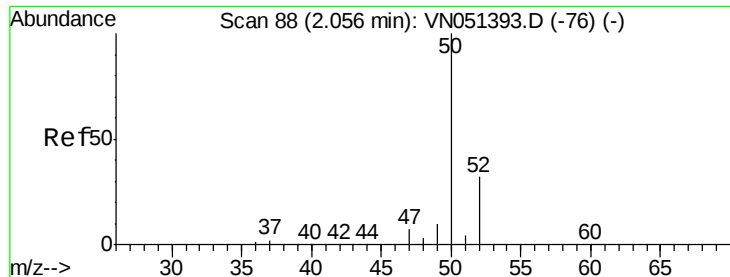
85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051563.D (-1) (-)





#3

Chloromethane

Concen: 39.185 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

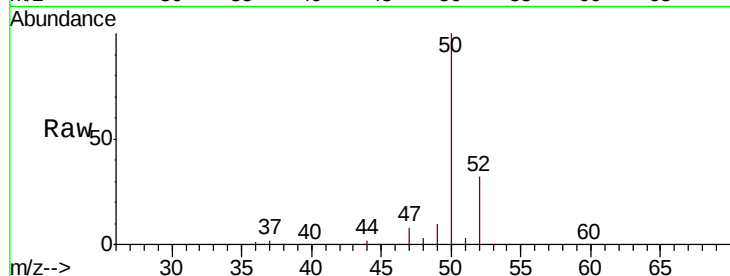
VSTDCCC050

Tot Ion: 50 Resp: 255459

Ion Ratio Lower Upper

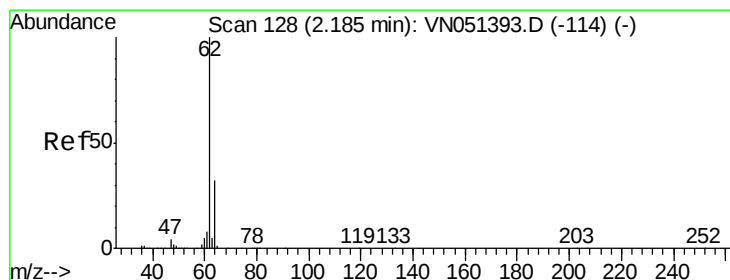
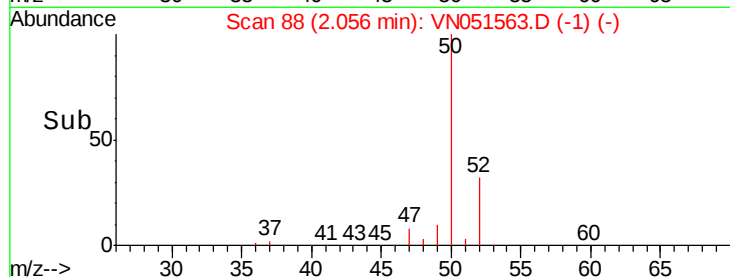
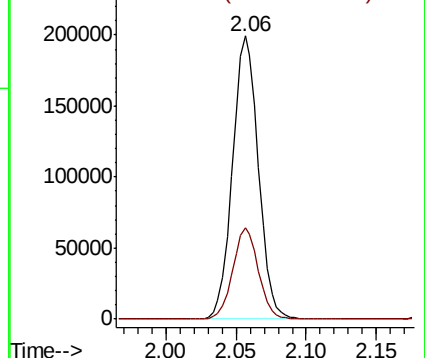
50 100

52 32.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 39.981 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051563.D

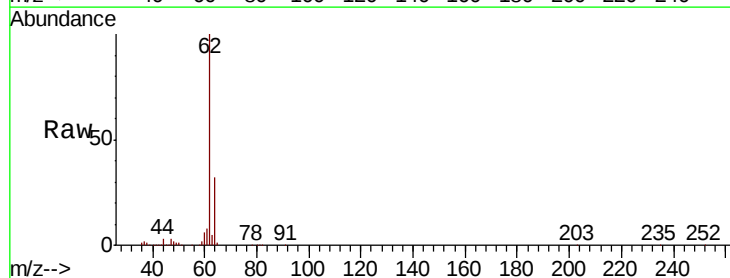
Acq: 27 Sep 2018 4:44

Tgt Ion: 62 Resp: 287681

Ion Ratio Lower Upper

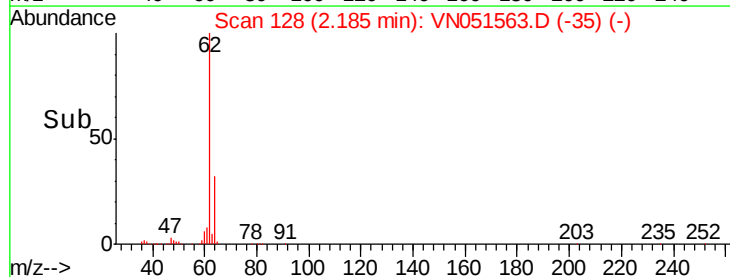
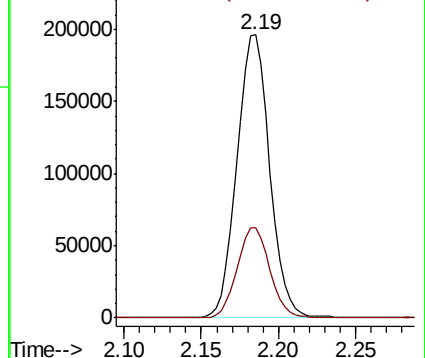
62 100

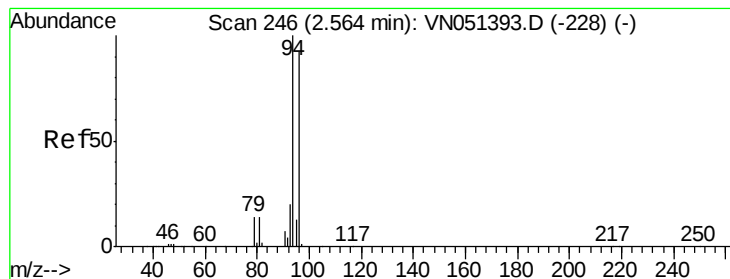
64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 32.458 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

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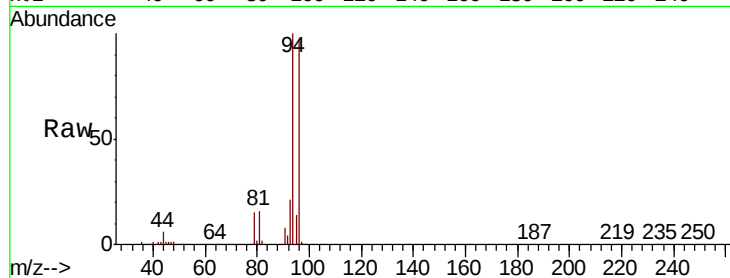
VSTDCCC050

Tot Ion: 94 Resp: 139871

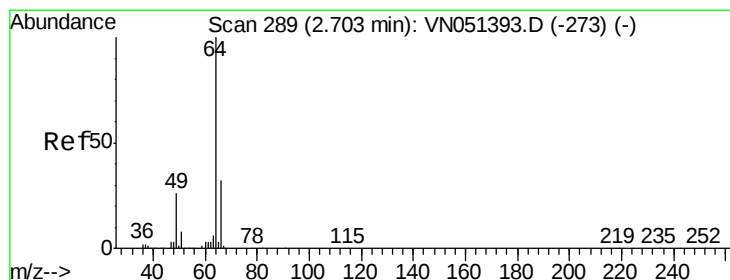
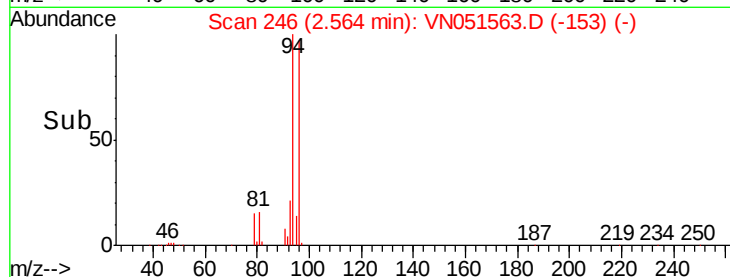
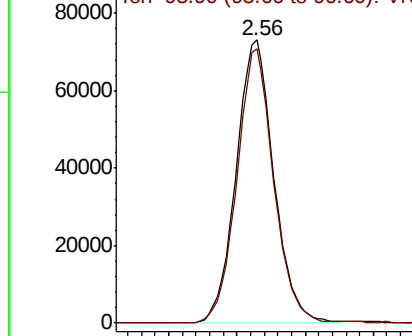
Ion Ratio Lower Upper

94 100

96 96.6 73.6 110.4



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



#6

Chloroethane

Concen: 34.918 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051563.D

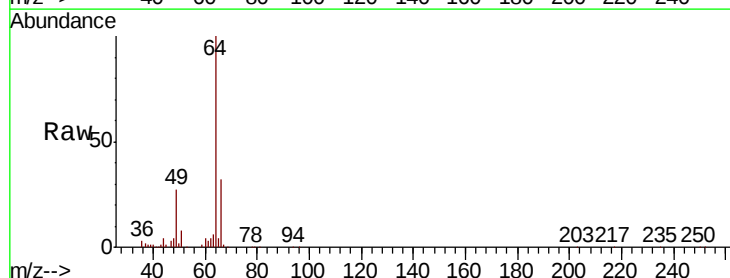
Acq: 27 Sep 2018 4:44

Tgt Ion: 64 Resp: 156560

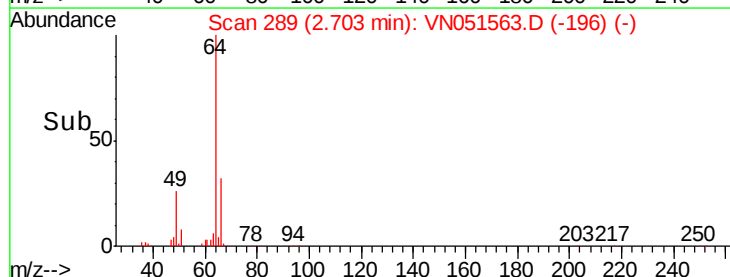
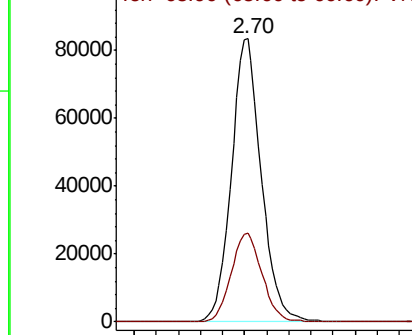
Ion Ratio Lower Upper

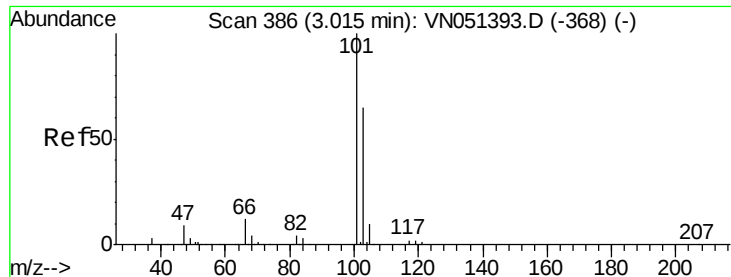
64 100

66 31.6 25.9 38.9



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



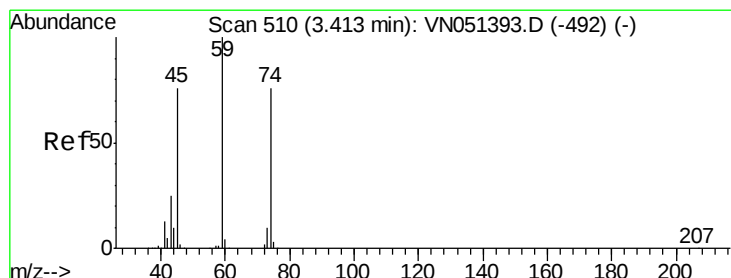
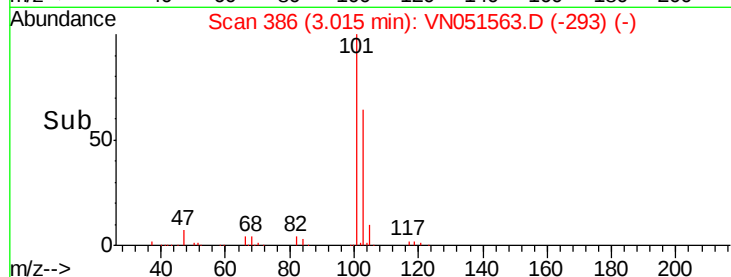
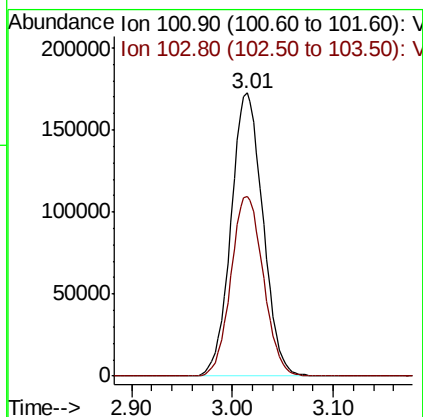
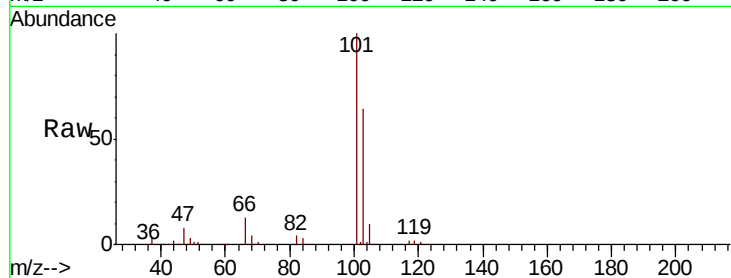


#7

Trichlorofluoromethane
 Concen: 40.216 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Instrument :
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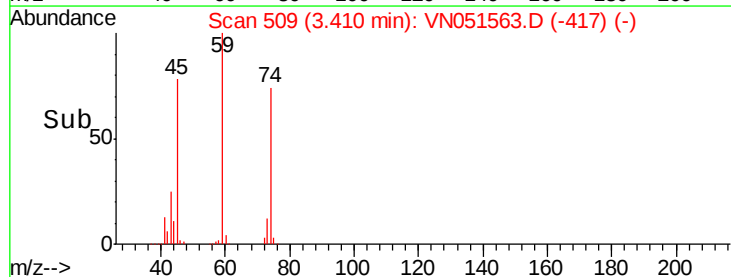
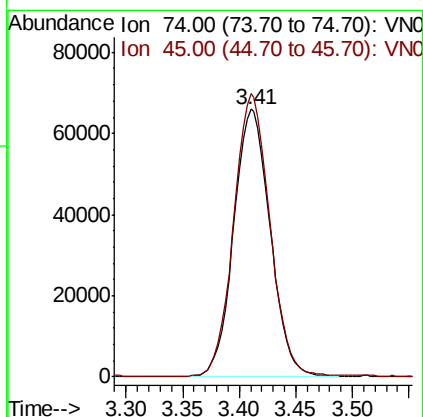
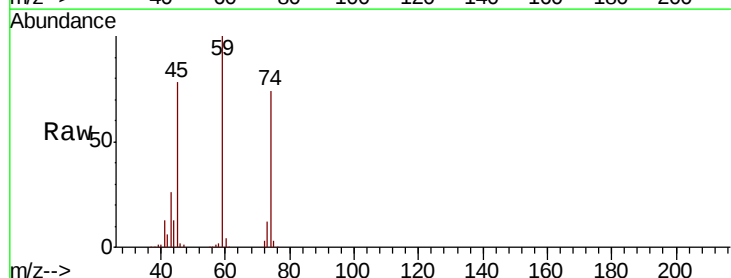
Tot Ion:101 Resp: 379036
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.8

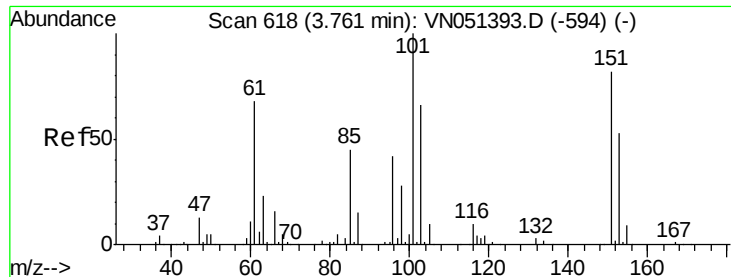


#8

Diethyl Ether
 Concen: 50.340 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 74 Resp: 148591
 Ion Ratio Lower Upper
 74 100
 45 105.2 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.478 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

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MSVOA_N

ClientSampleId :

VSTDCCC050

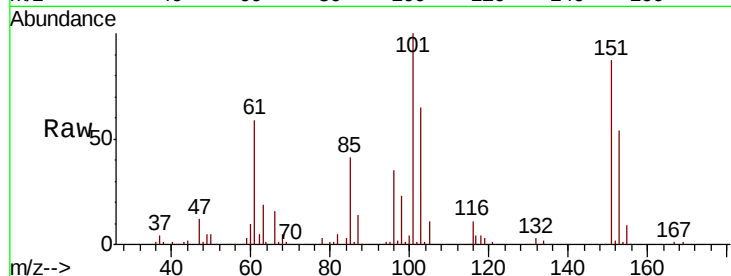
Tot Ion:101 Resp: 225947

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

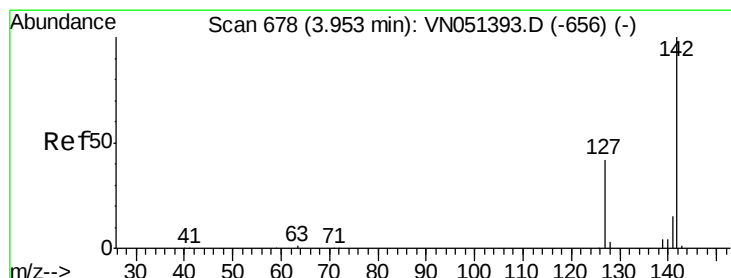
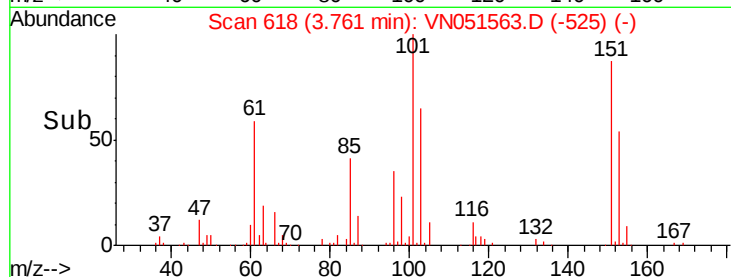
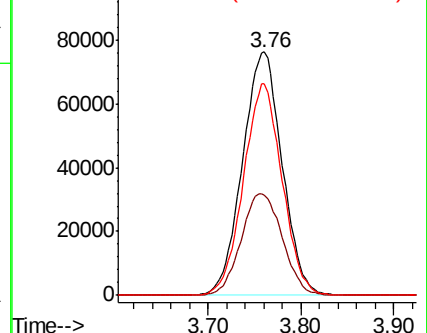
151 84.8 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.003 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

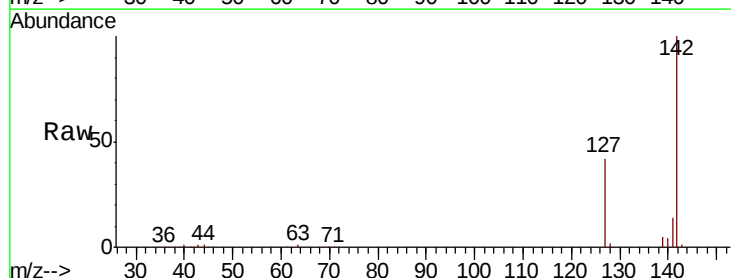
Tgt Ion:142 Resp: 275167

Ion Ratio Lower Upper

142 100

127 43.0 33.2 49.8

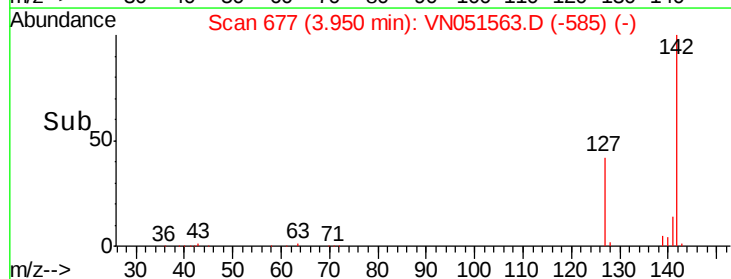
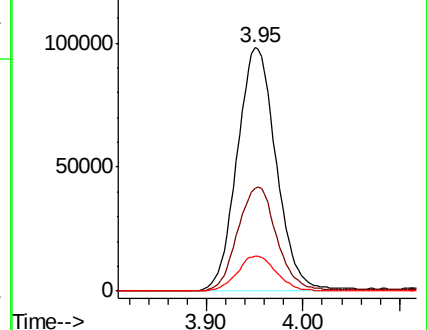
141 14.6 11.5 17.3

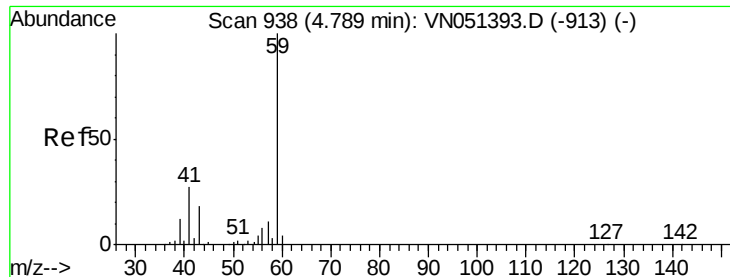


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

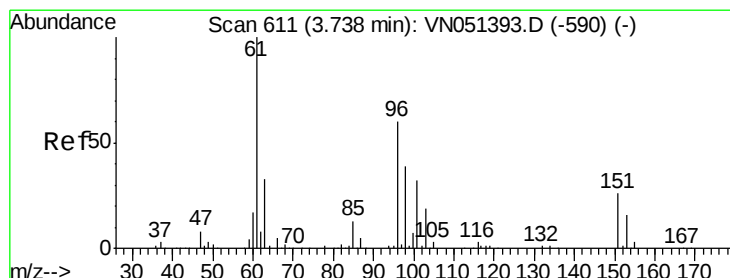
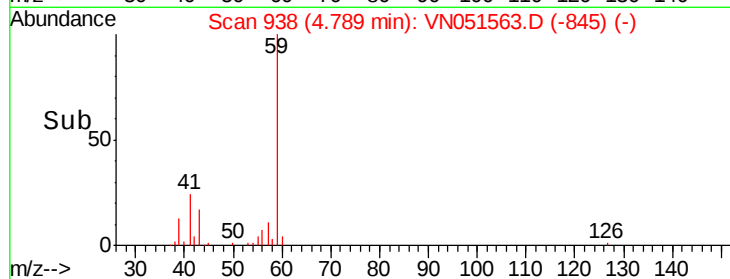
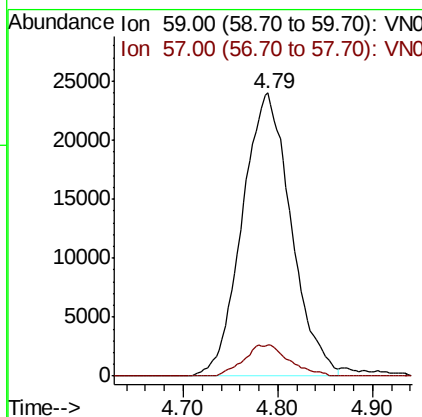
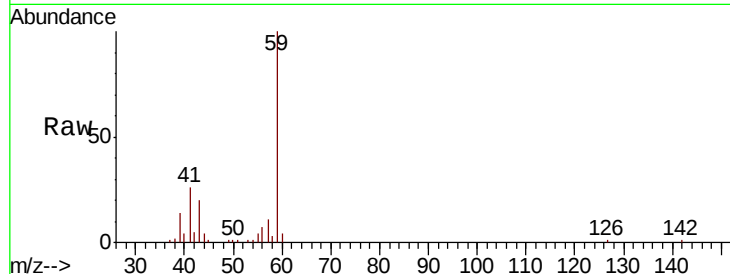




#11
Tert butyl alcohol
Concen: 277.453 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

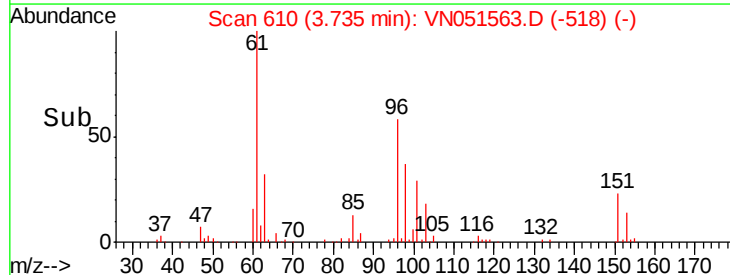
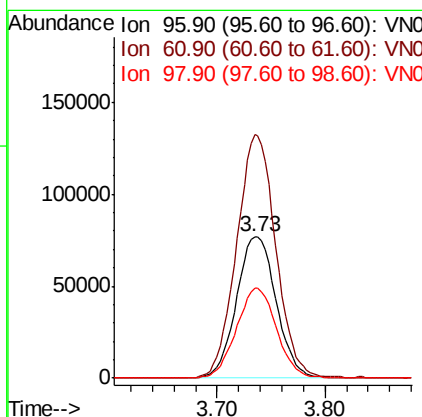
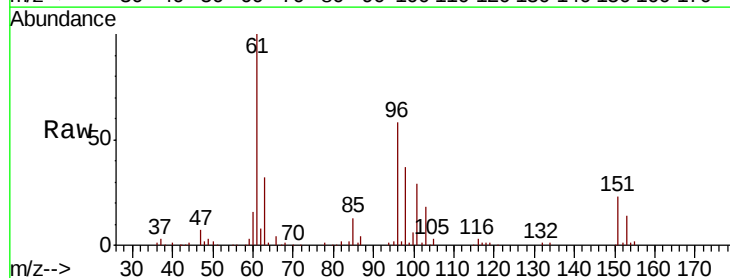
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

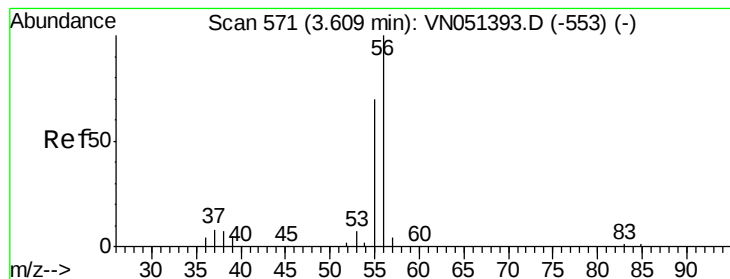
Tot Ion: 59 Resp: 86106
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#12
1,1-Dichloroethene
Concen: 40.349 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 96 Resp: 197065
Ion Ratio Lower Upper
96 100
61 171.5 133.6 200.4
98 63.3 52.2 78.2





#13

Acrolein

Concen: 259.513 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

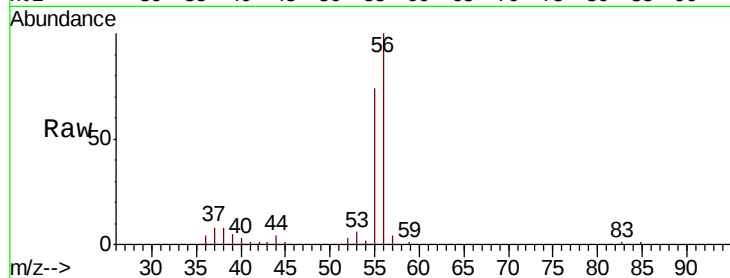
VSTDCCC050

Tot Ion: 56 Resp: 79975

Ion Ratio Lower Upper

56 100

55 74.7 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN051393.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051393.D (-553) (-)

3.61

30000

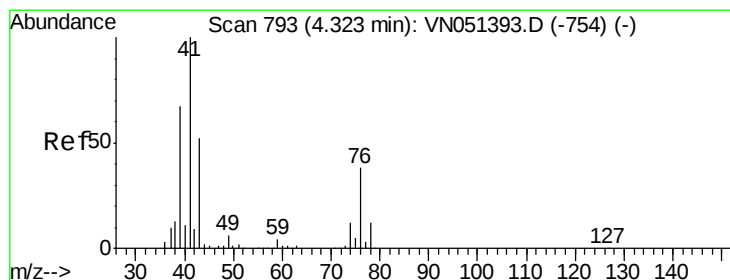
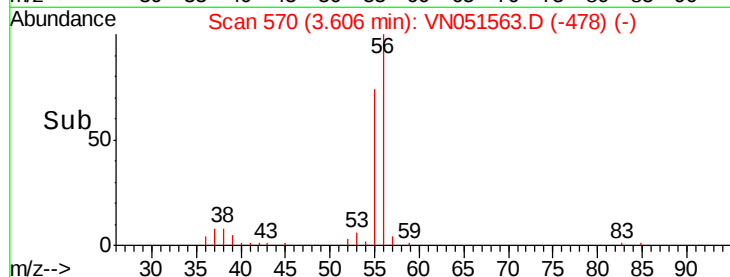
20000

10000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 46.524 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

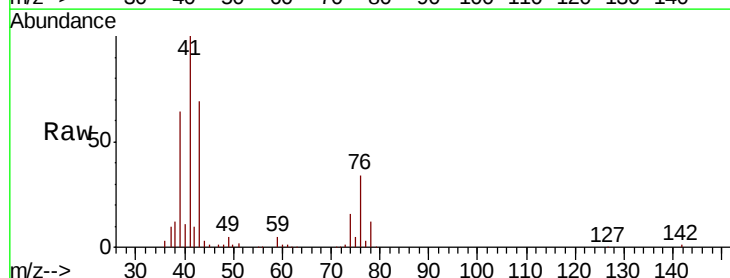
Tgt Ion: 41 Resp: 381238

Ion Ratio Lower Upper

41 100

39 60.8 51.4 77.2

76 33.1 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN051393.D (-754) (-)

4.32

150000

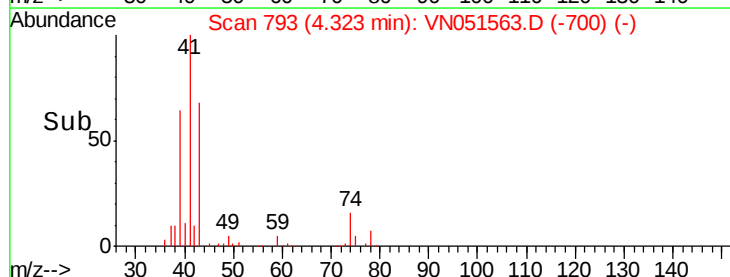
100000

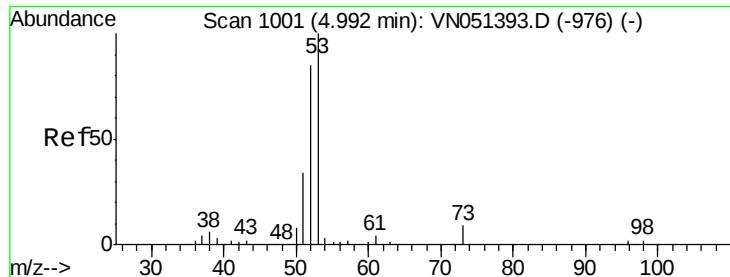
50000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 281.694 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

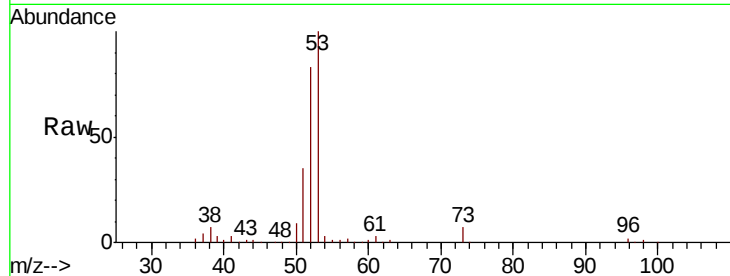
Tot Ion: 53 Resp: 475562

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

51 36.0 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN051393.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051393.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051393.D (-976) (-)

4.99

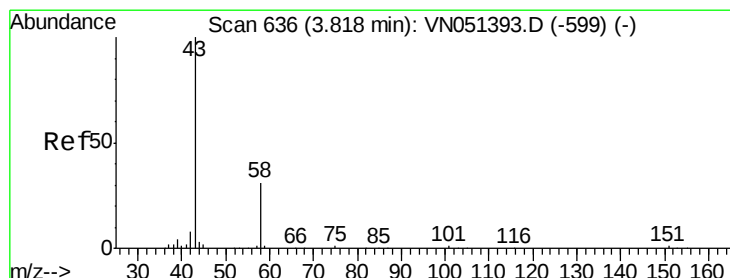
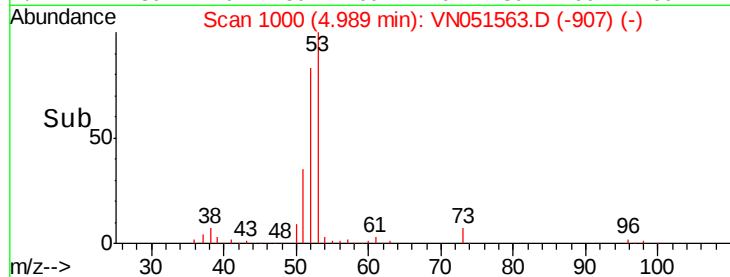
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 264.296 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051563.D

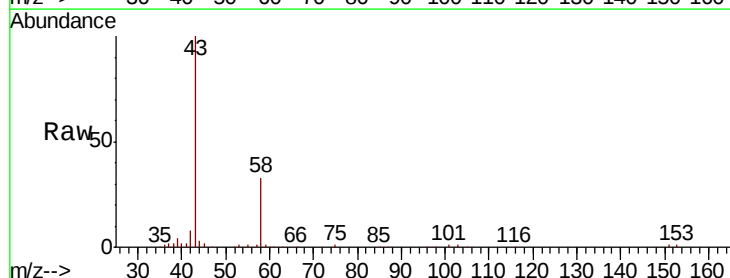
Acq: 27 Sep 2018 4:44

Tgt Ion: 43 Resp: 321290

Ion Ratio Lower Upper

43 100

58 33.5 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)

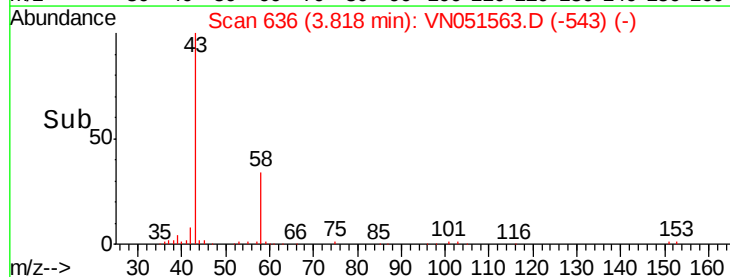
3.82

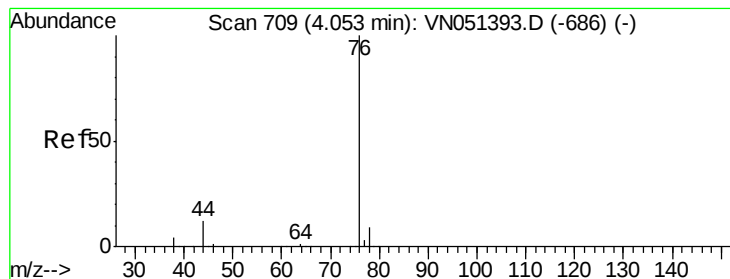
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 36.338 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

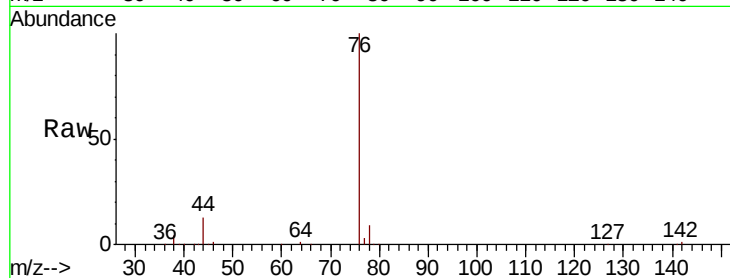
VSTDCCC050

Tot Ion: 76 Resp: 521413

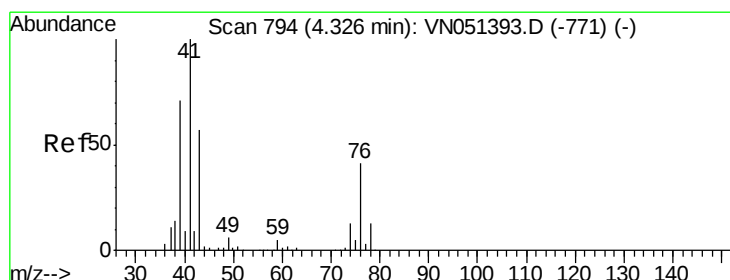
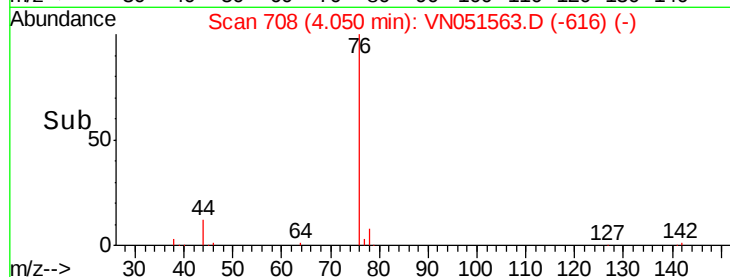
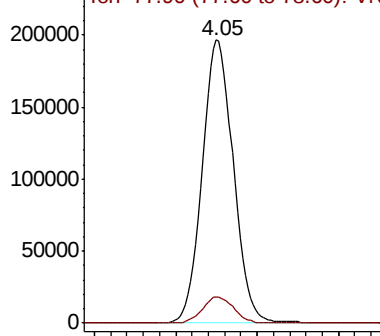
Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 61.068 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051563.D

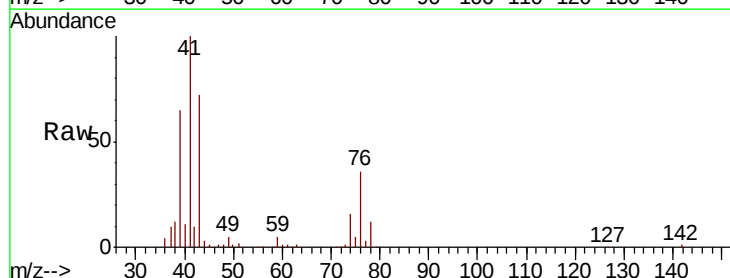
Acq: 27 Sep 2018 4:44

Tgt Ion: 43 Resp: 255751

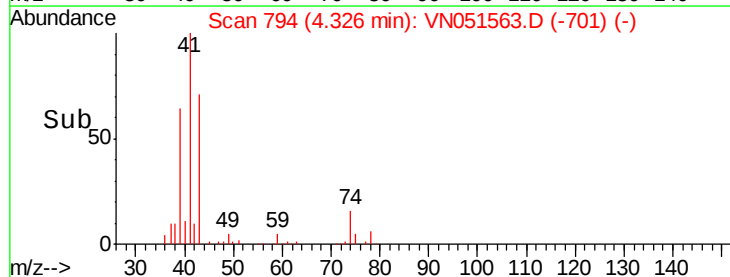
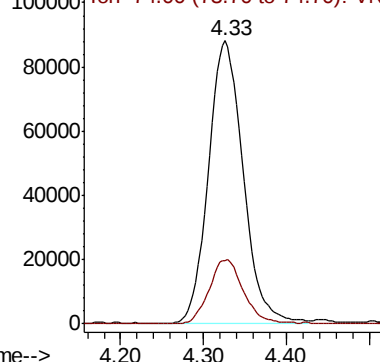
Ion Ratio Lower Upper

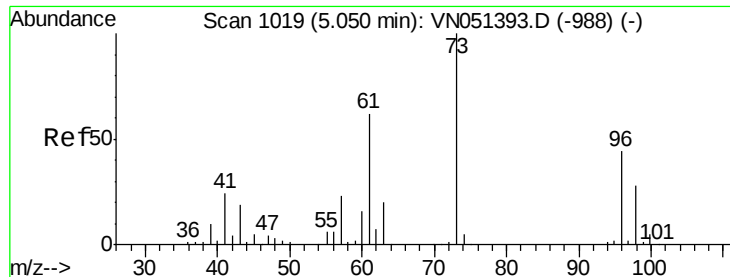
43 100

74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



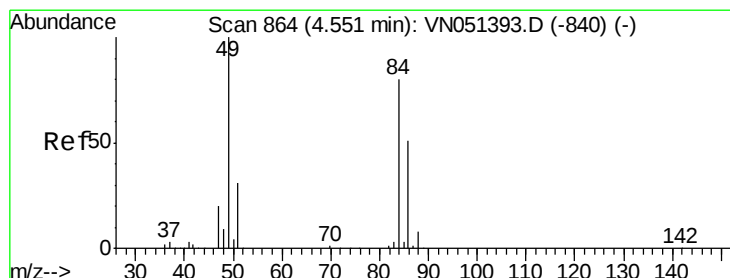
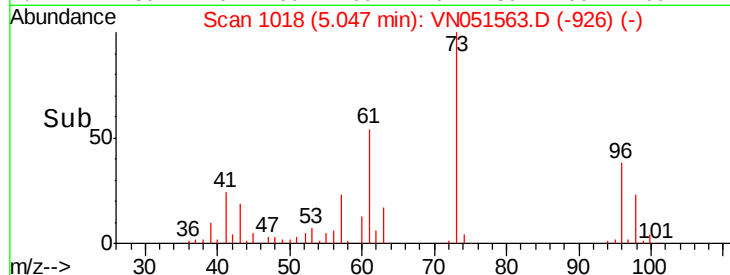
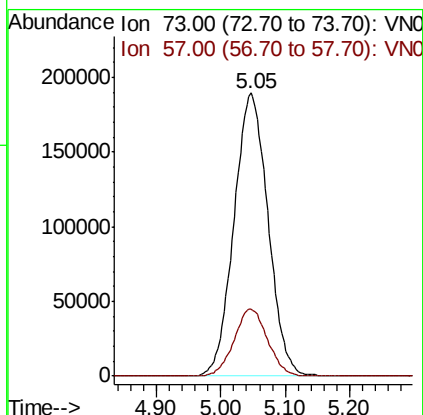
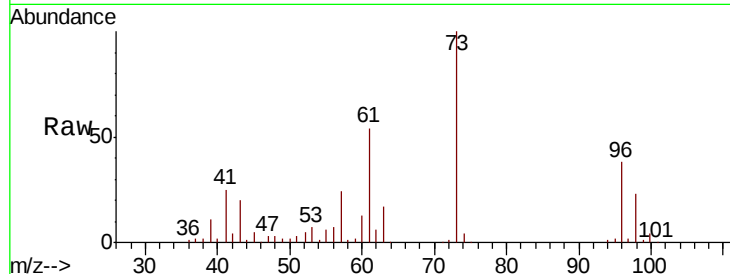


#19

Methyl tert-butyl Ether
 Concen: 55.198 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

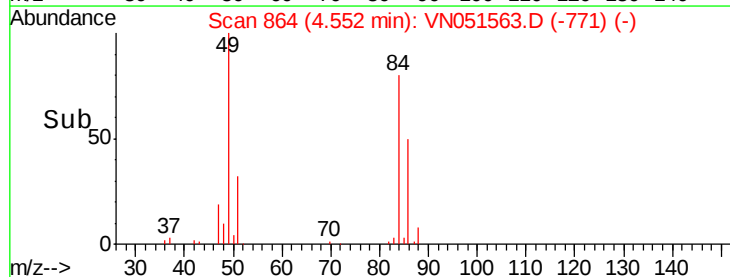
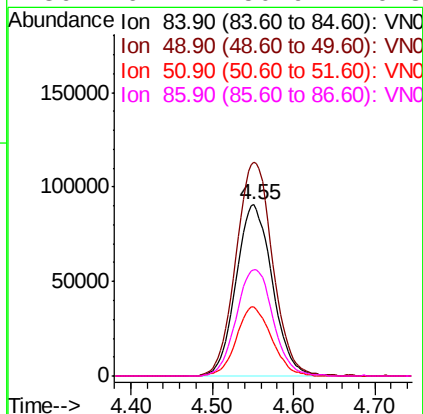
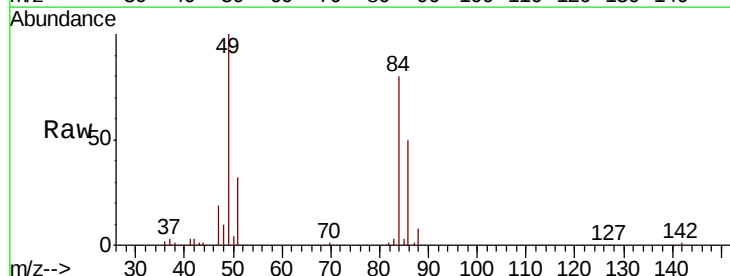
Tot Ion: 73 Resp: 695188
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.3 27.5

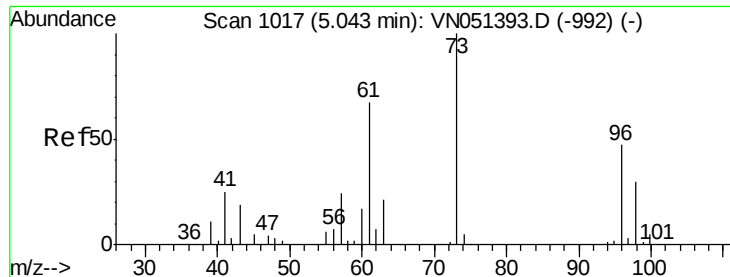


#20

Methylene Chloride
 Concen: 51.373 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 84 Resp: 279544
 Ion Ratio Lower Upper
 84 100
 49 124.8 99.9 149.9
 51 40.5 31.4 47.2
 86 62.4 50.9 76.3

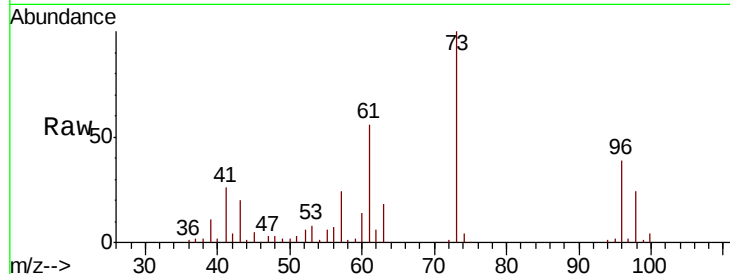




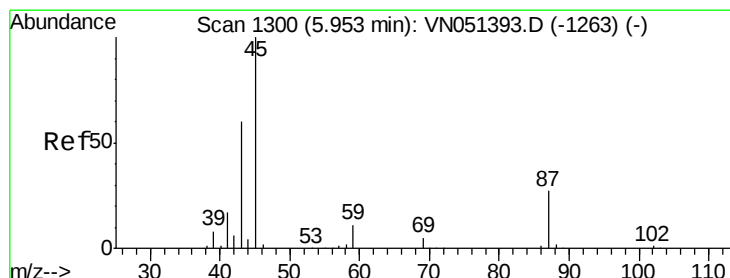
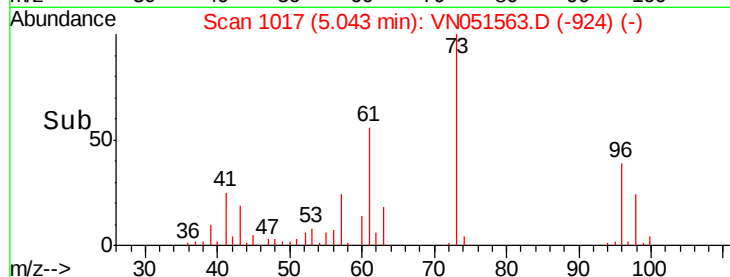
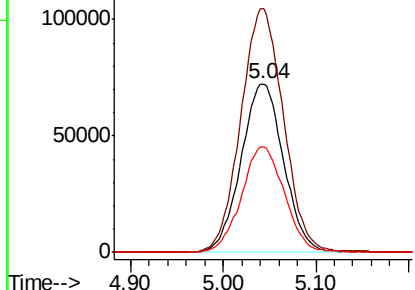
#21
trans-1,2-Dichloroethene
Concen: 46.157 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 230615
Ion Ratio Lower Upper
96 100
61 144.4 113.4 170.2
98 62.7 51.1 76.7

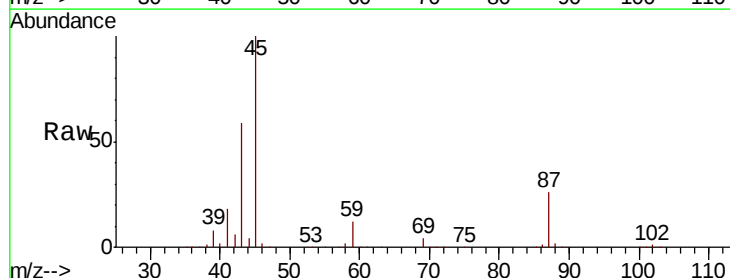


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

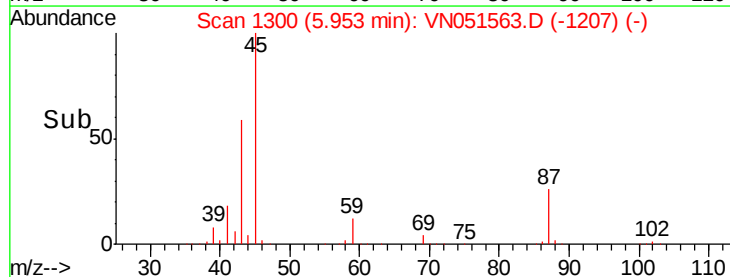
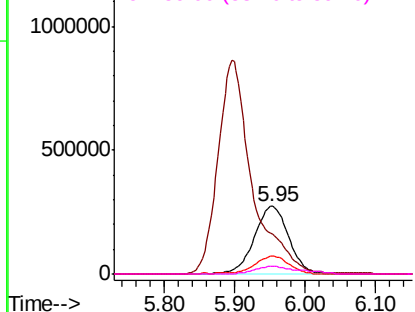


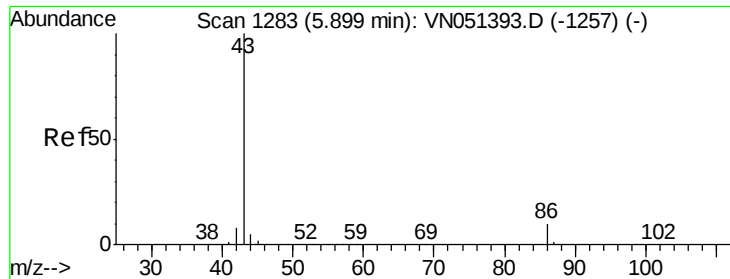
#22
Diisopropyl ether
Concen: 58.651 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 45 Resp: 929007
Ion Ratio Lower Upper
45 100
43 57.5 47.7 71.5
87 26.3 22.0 33.0
59 11.3 9.3 13.9



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

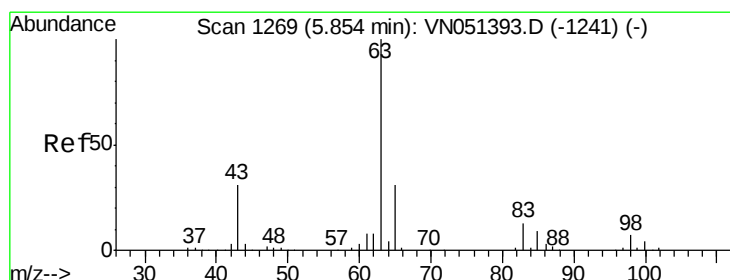
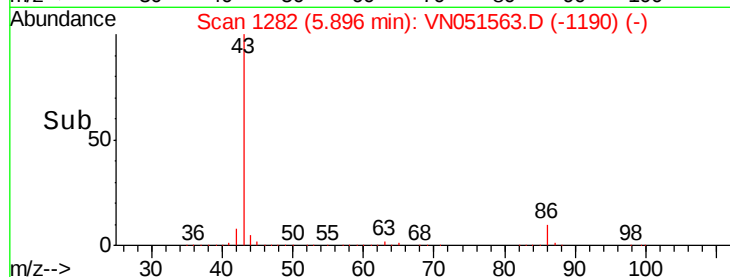
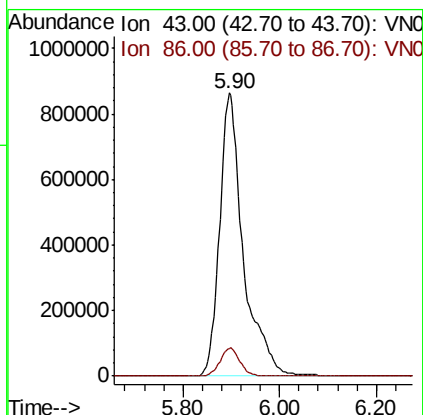
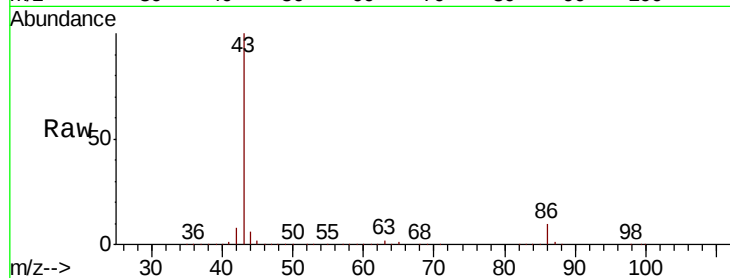




#23
 Vinyl Acetate
 Concen: 282.769 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

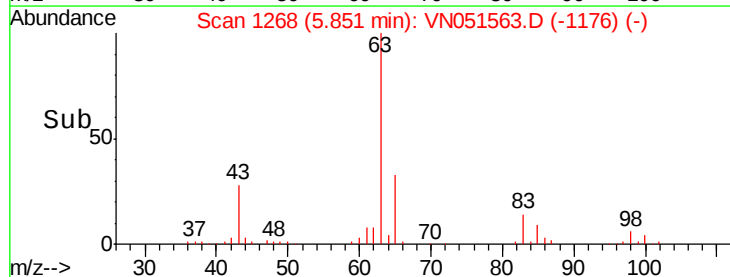
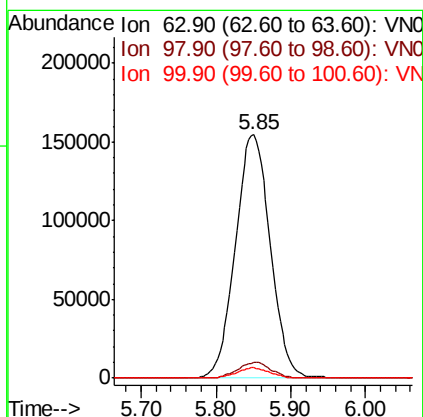
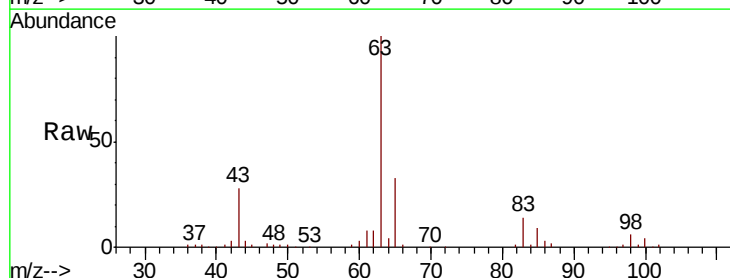
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

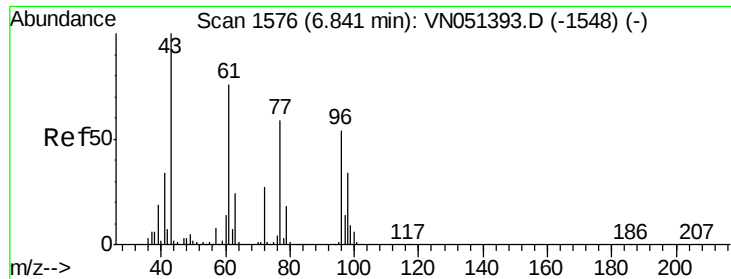
Tot Ion: 43 Resp: 2940520
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 52.919 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 63 Resp: 500128
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 273.363 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

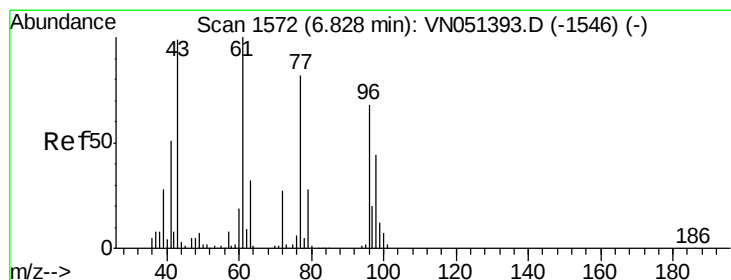
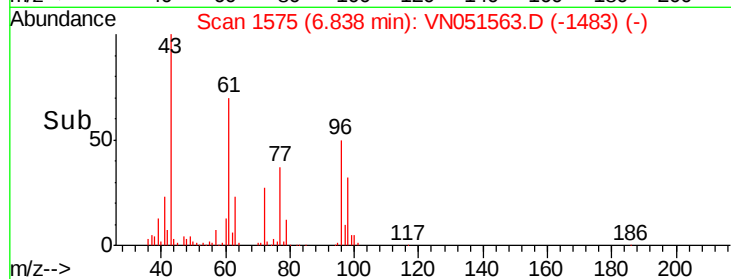
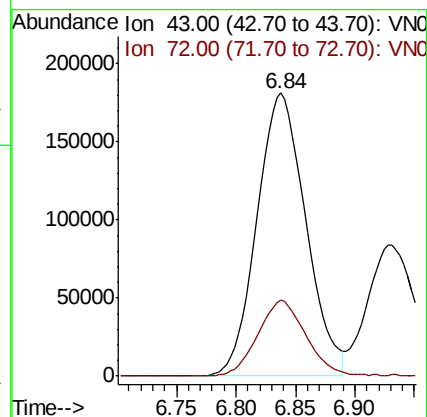
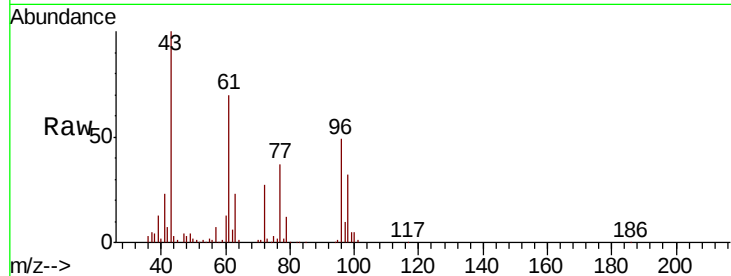
VSTDCCC050

Tot Ion: 43 Resp: 514506

Ion Ratio Lower Upper

43 100

72 26.9 21.8 32.6



#26

2,2-Dichloropropane

Concen: 34.714 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051563.D

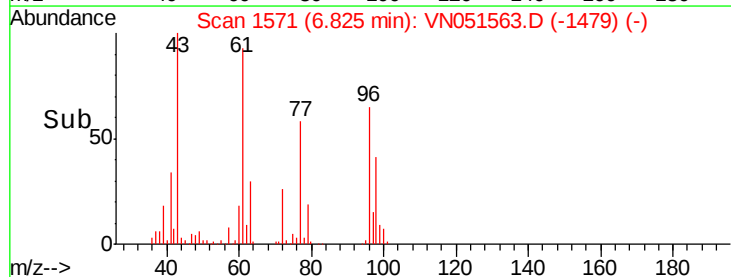
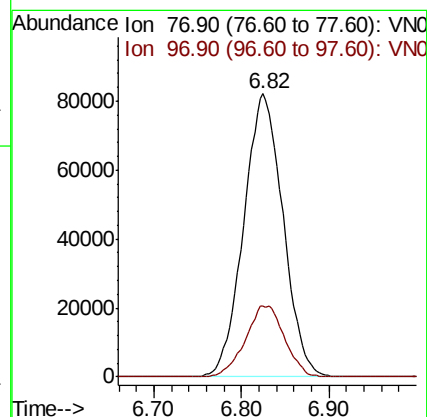
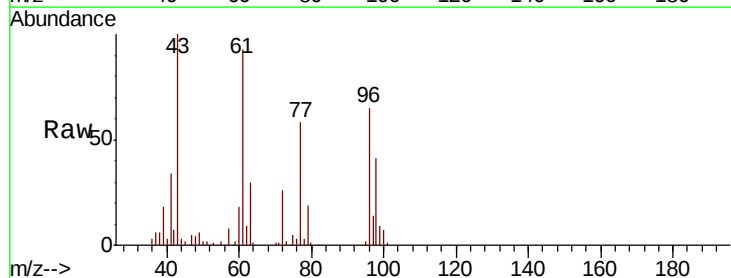
Acq: 27 Sep 2018 4:44

Tgt Ion: 77 Resp: 256098

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.726 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

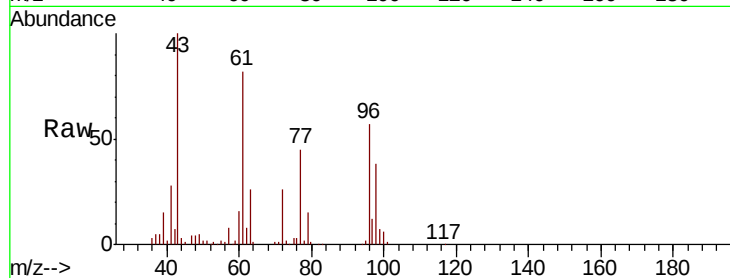
Tot Ion: 96 Resp: 278092

Ion Ratio Lower Upper

96 100

61 145.2 0.0 291.4

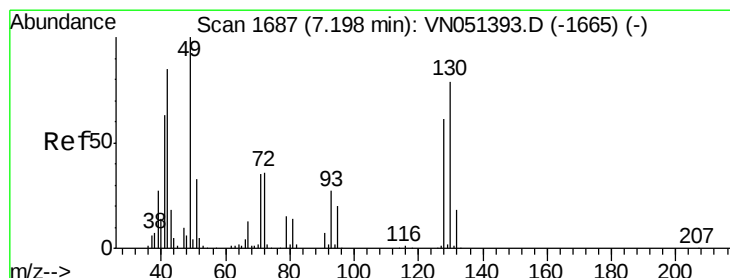
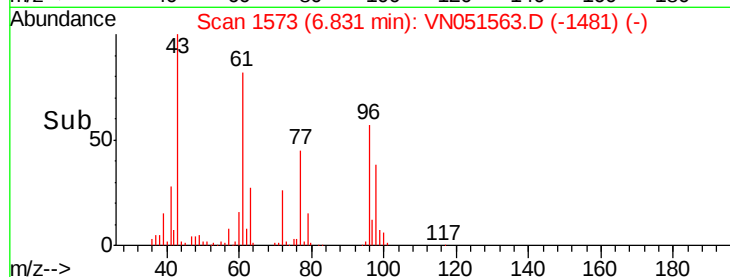
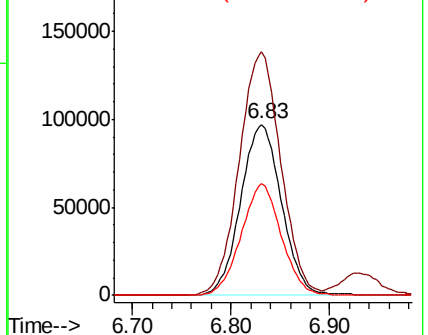
98 64.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 61.314 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

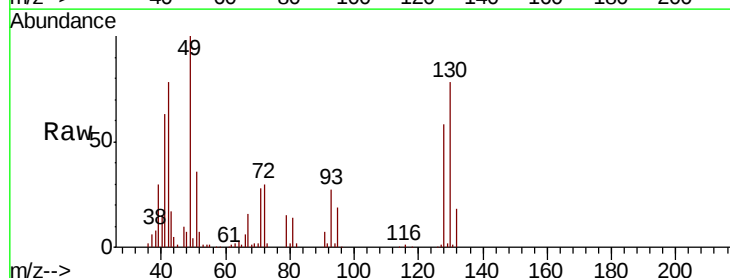
Tgt Ion: 49 Resp: 267596

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

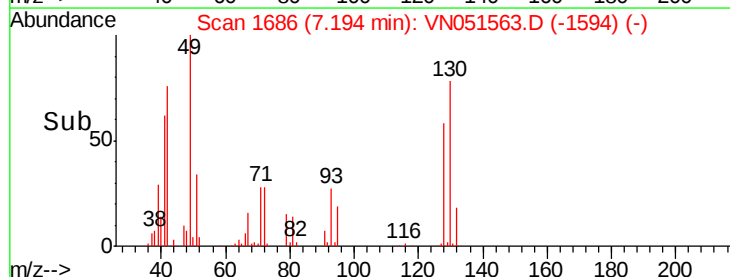
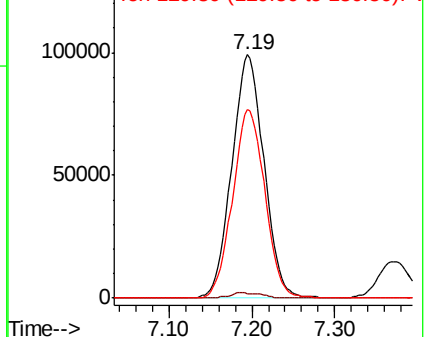
130 77.4 63.0 94.4

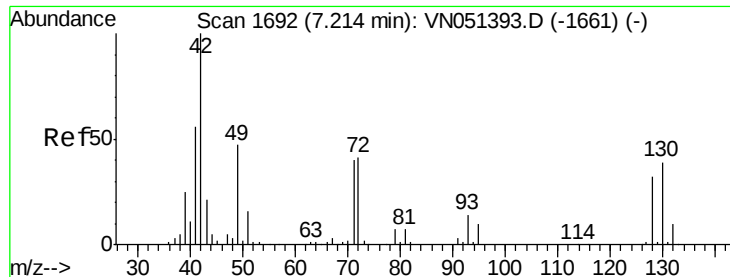


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 301.566 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

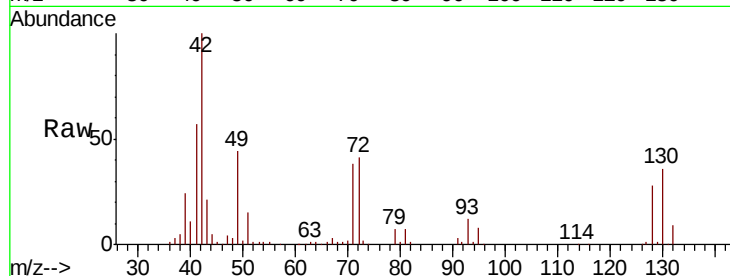
Tot Ion: 42 Resp: 359688

Ion Ratio Lower Upper

42 100

72 40.6 34.3 51.5

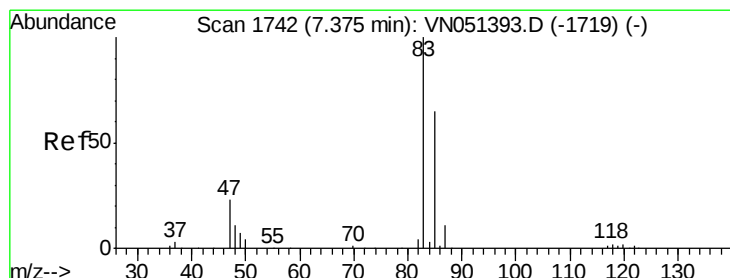
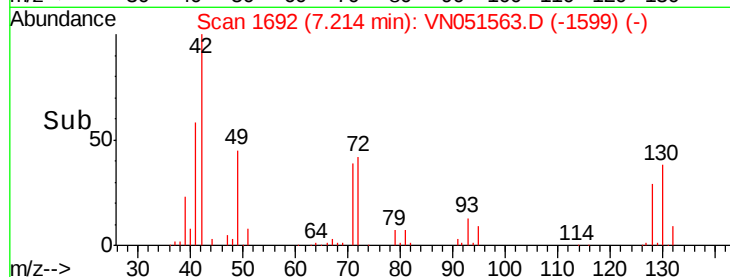
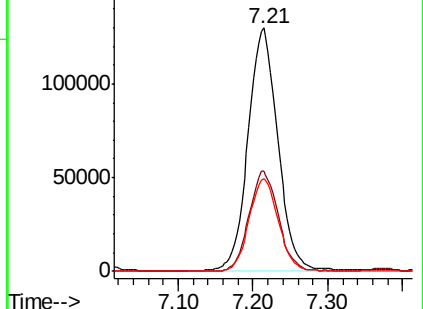
71 37.5 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VN051393.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN051393.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN051393.D (-1661) (-)



#30

Chloroform

Concen: 54.707 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051563.D

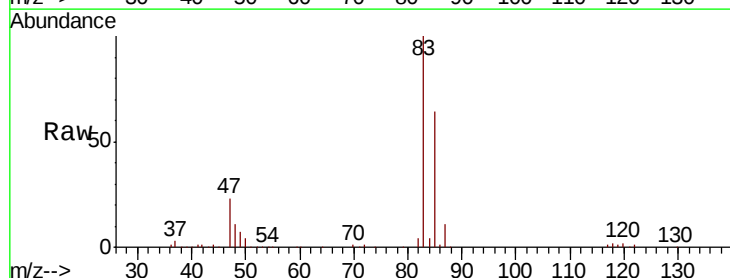
Acq: 27 Sep 2018 4:44

Tgt Ion: 83 Resp: 512303

Ion Ratio Lower Upper

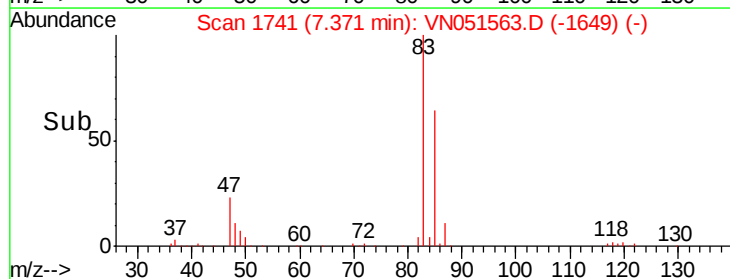
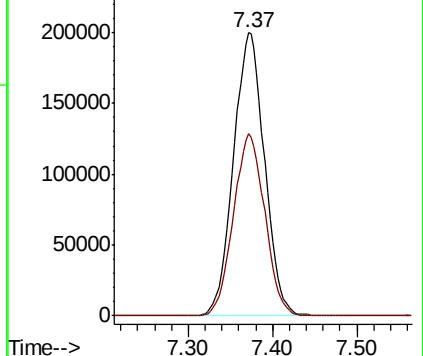
83 100

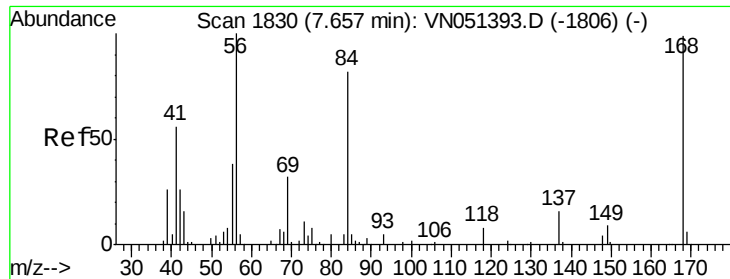
85 64.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-1719) (-)

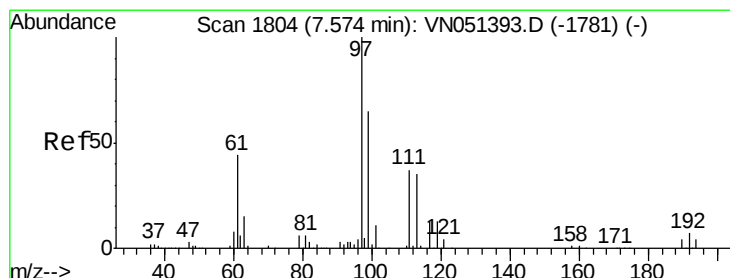
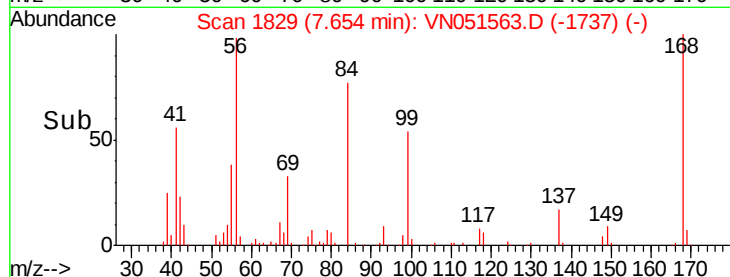
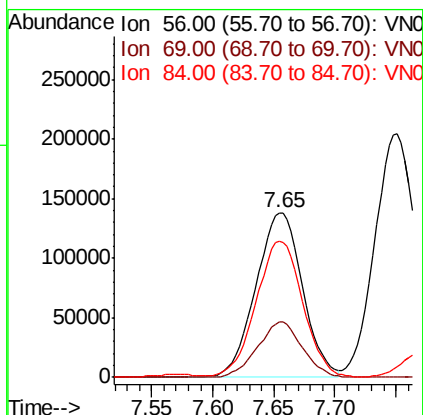
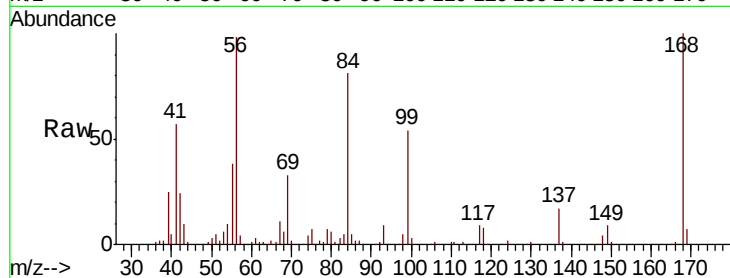




#31
Cyclohexane
Concen: 42.403 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

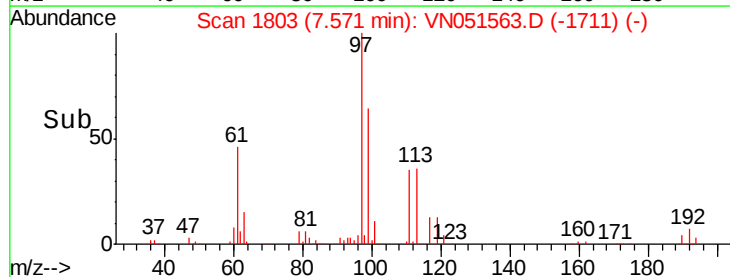
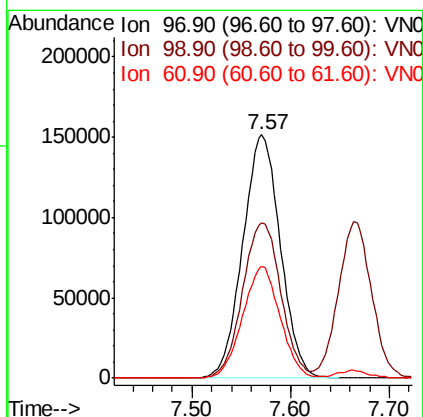
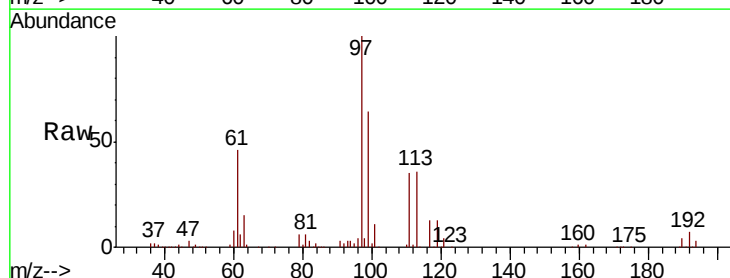
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

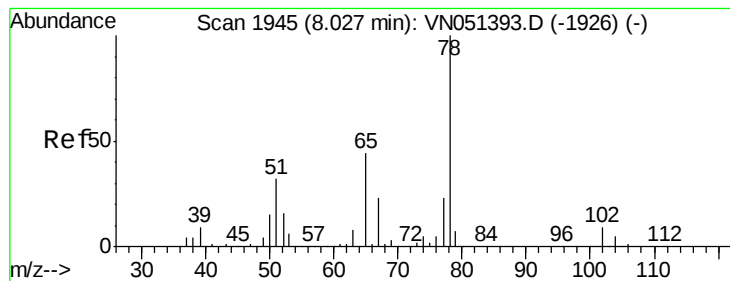
Tot Ion: 56 Resp: 367158
Ion Ratio Lower Upper
56 100
69 33.7 25.8 38.6
84 81.2 66.0 99.0



#32
1,1,1-Trichloroethane
Concen: 49.884 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 97 Resp: 399357
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.0
61 45.8 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 56.202 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

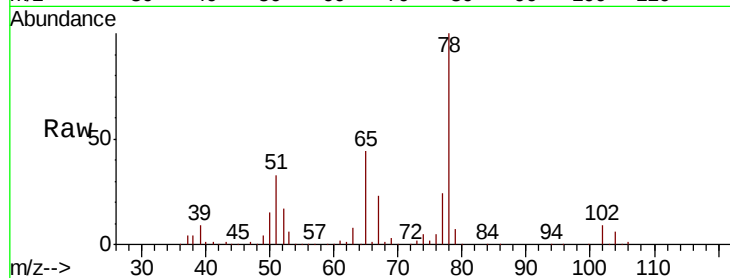
VSTDCCC050

Tot Ion: 65 Resp: 309052

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

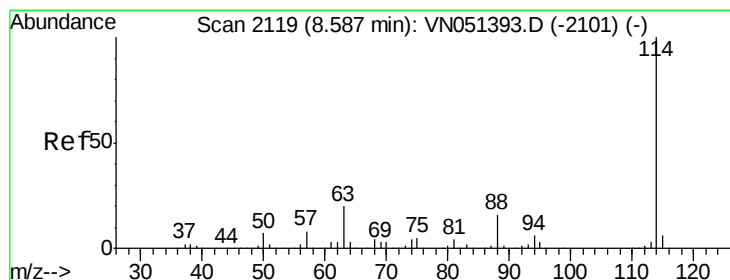
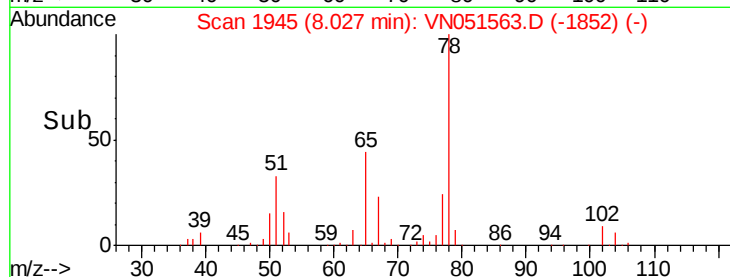
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

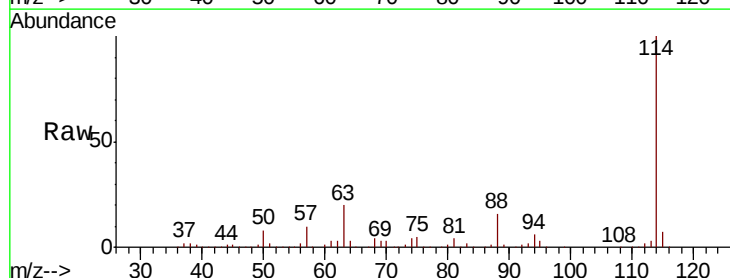
Tgt Ion: 114 Resp: 642164

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN051393.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051393.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051393.D (-2101) (-)

8.59

400000

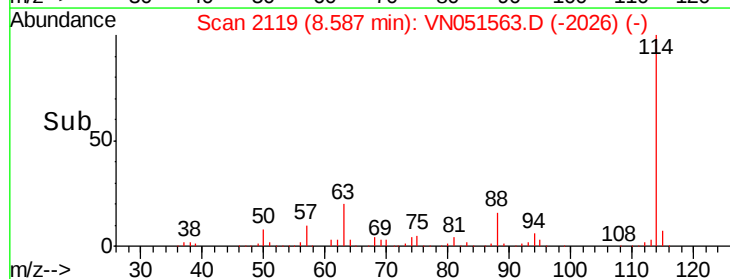
300000

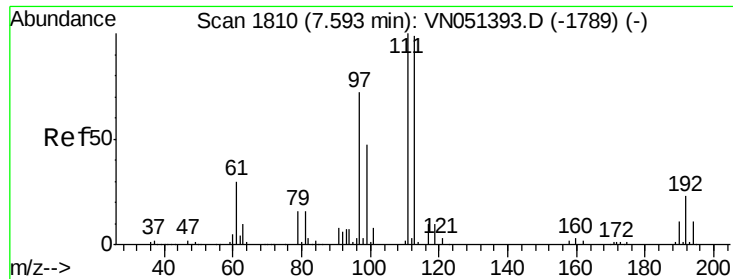
200000

100000

0

Time-->

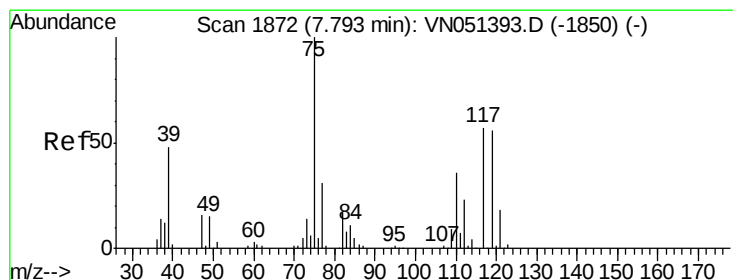
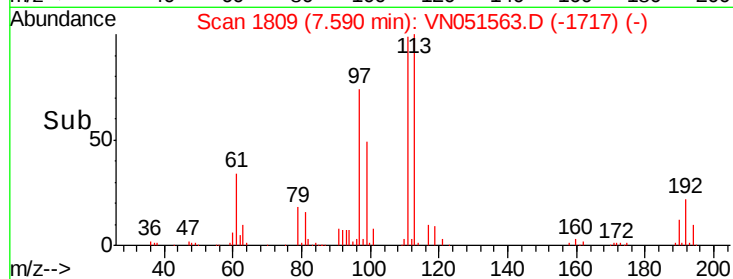
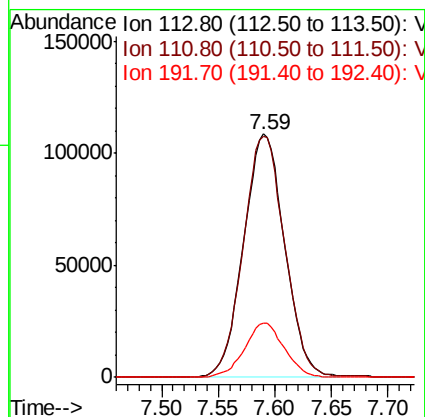
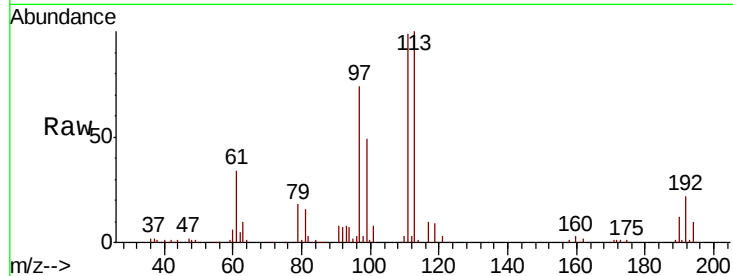




#35
 Dibromofluoromethane
 Concen: 53.389 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

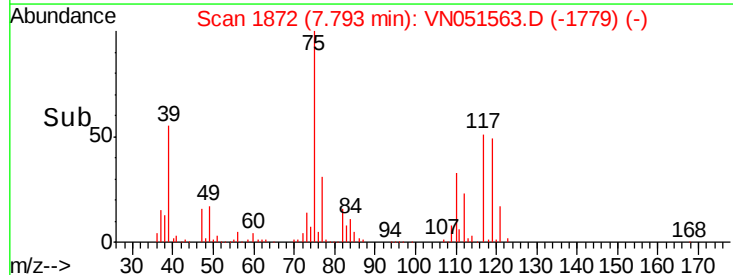
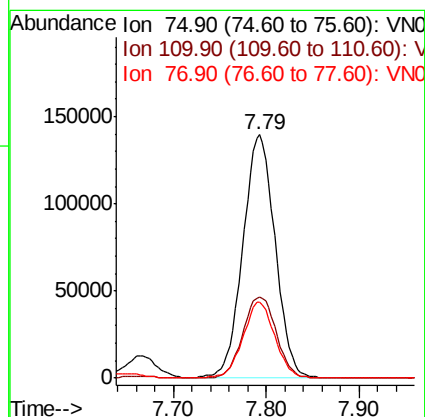
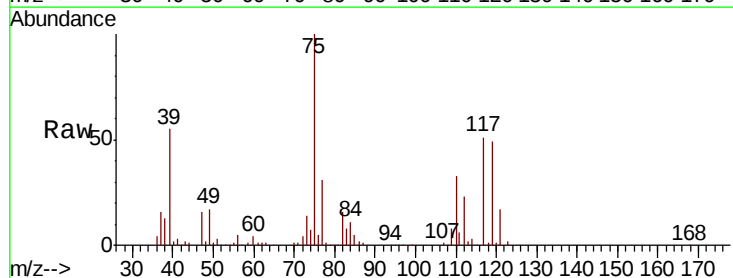
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

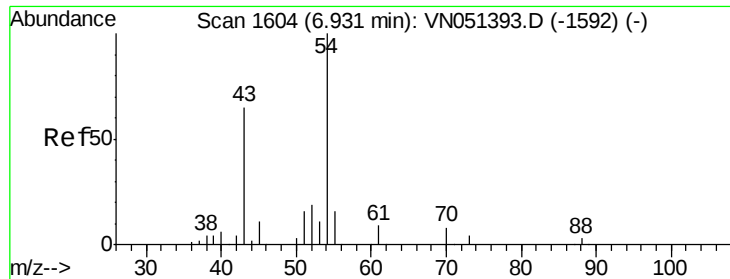
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.6	123.8
192	21.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 45.106 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	18.1	54.3
77	31.1	25.6	38.4

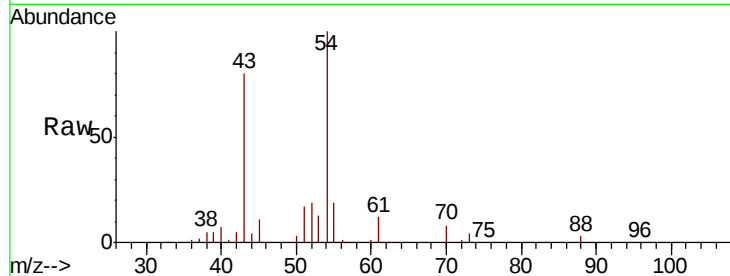




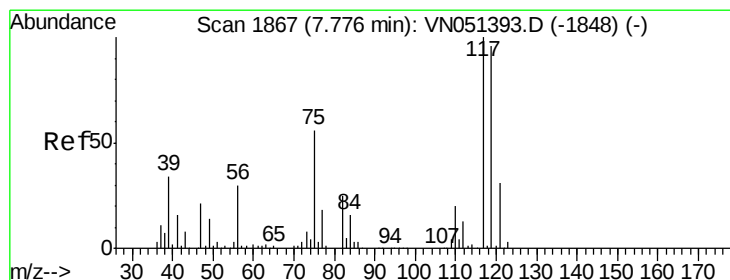
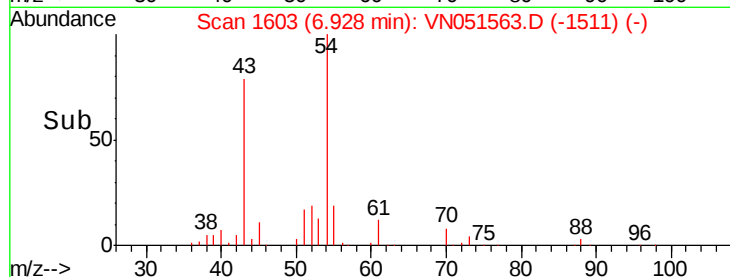
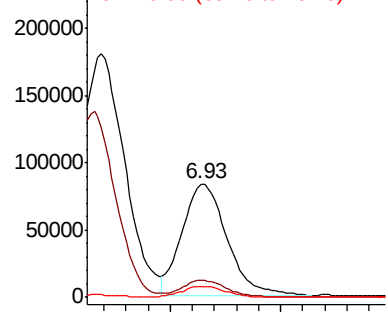
#37
Ethyl Acetate
Concen: 55.192 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 235981
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.1 7.9 11.9

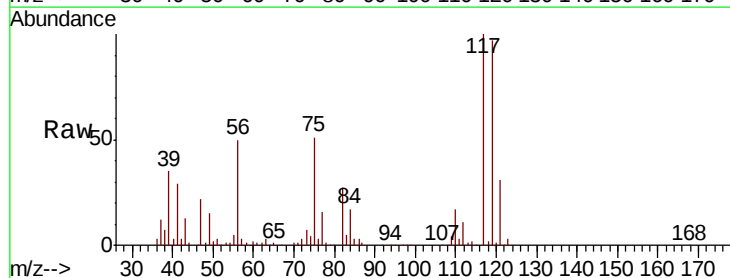


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

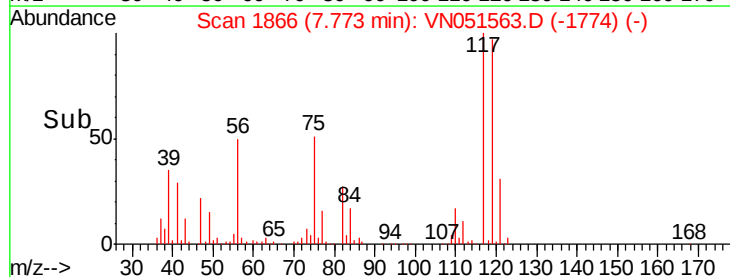
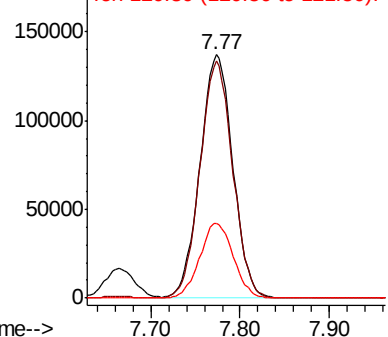


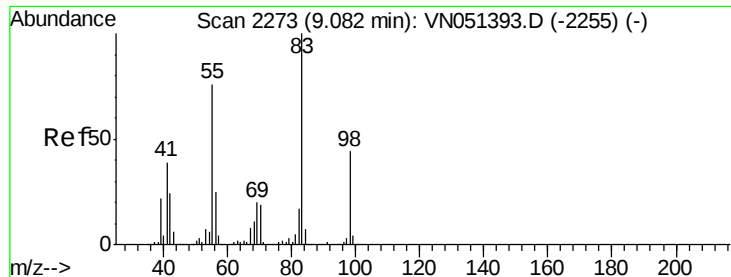
#38
Carbon Tetrachloride
Concen: 44.904 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 117 Resp: 349268
Ion Ratio Lower Upper
117 100
119 97.1 76.9 115.3
121 30.9 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

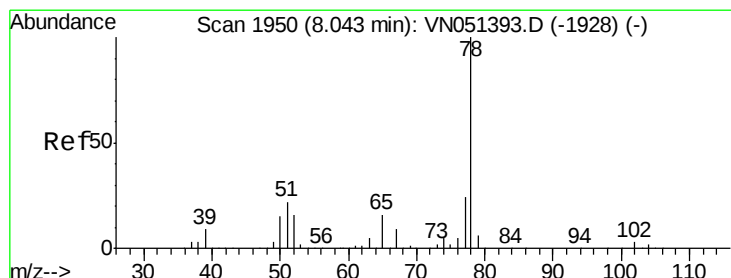
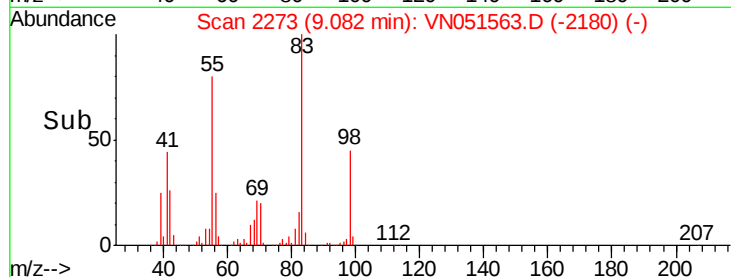
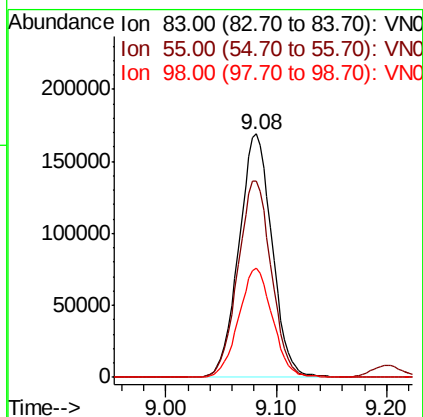
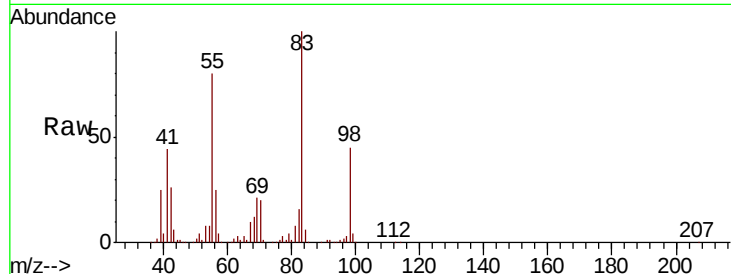




#39
Methvlcvclohexane
Concen: 40.409 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

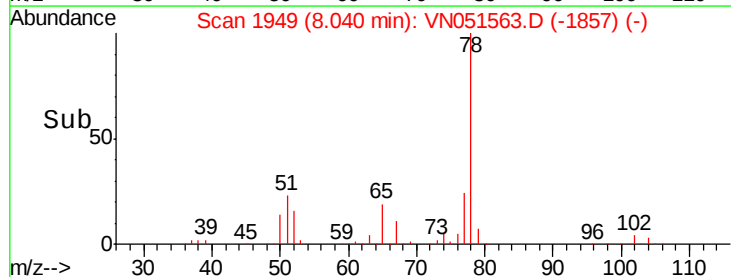
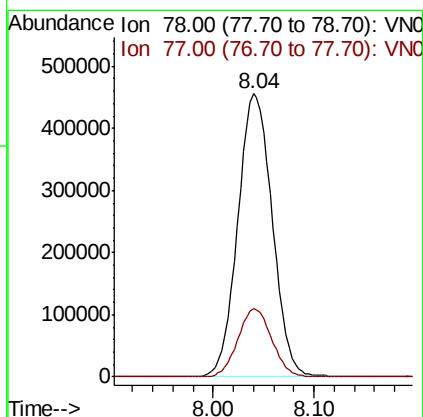
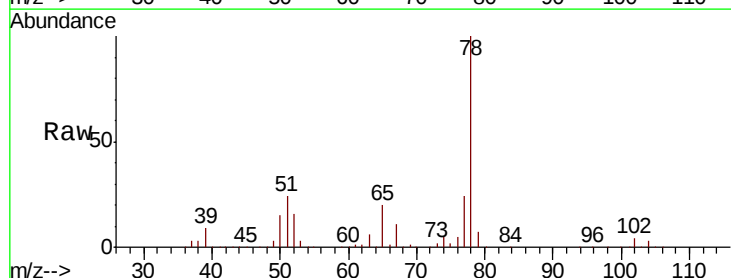
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

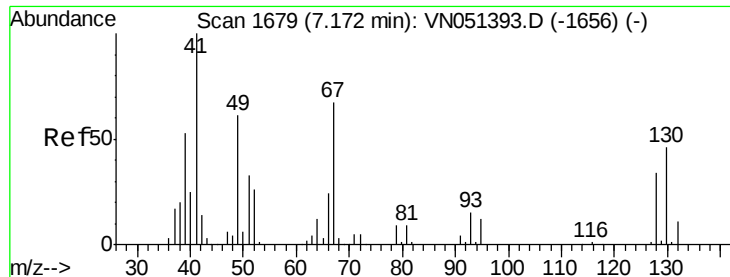
Tot Ion: 83 Resp: 351284
Ion Ratio Lower Upper
83 100
55 80.4 61.0 91.4
98 44.7 35.6 53.4



#40
Benzene
Concen: 49.426 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 78 Resp: 1079210
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

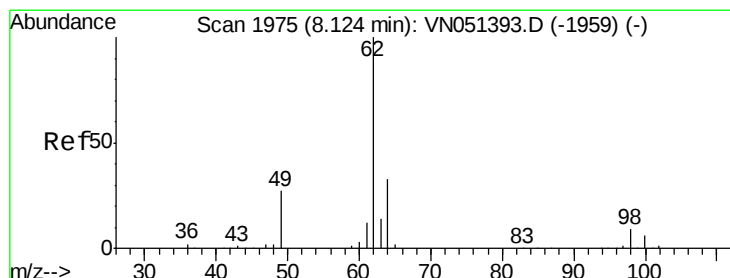
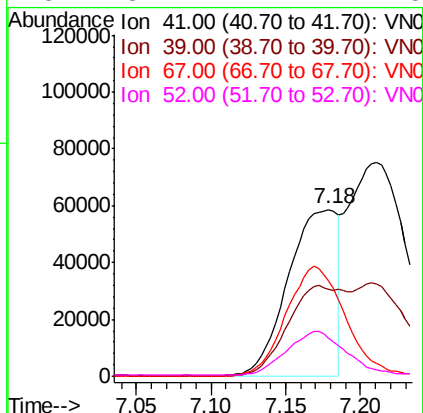
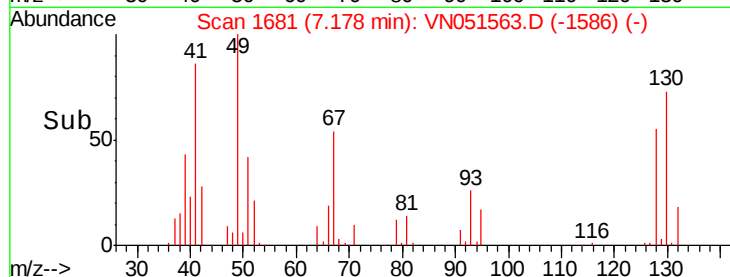
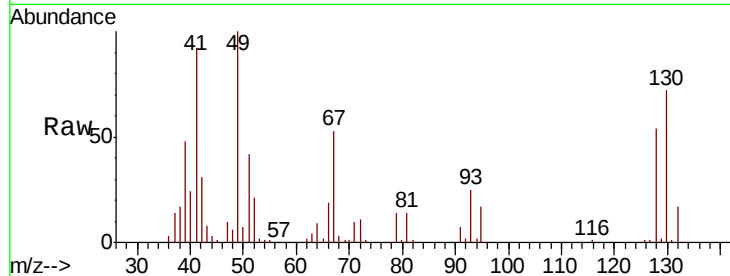




#41
Methacrylonitrile
Concen: 56.891 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

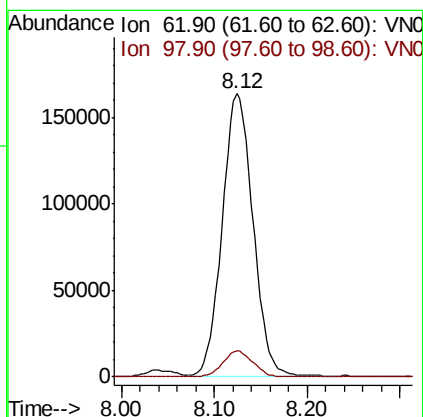
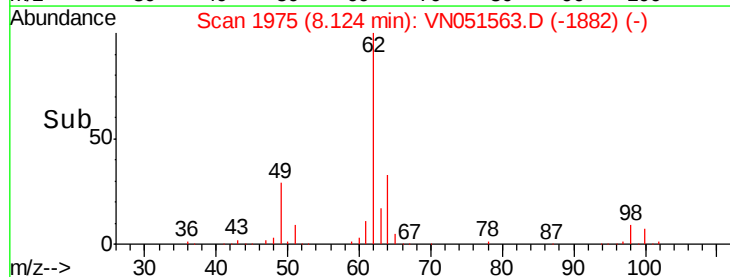
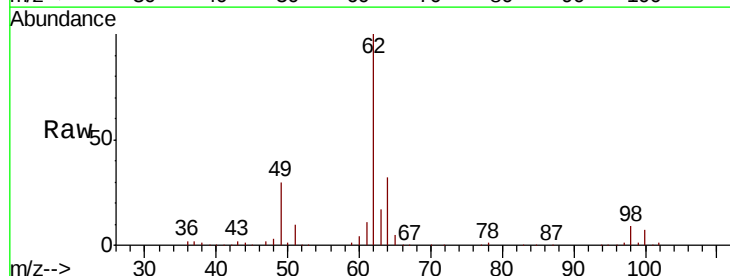
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

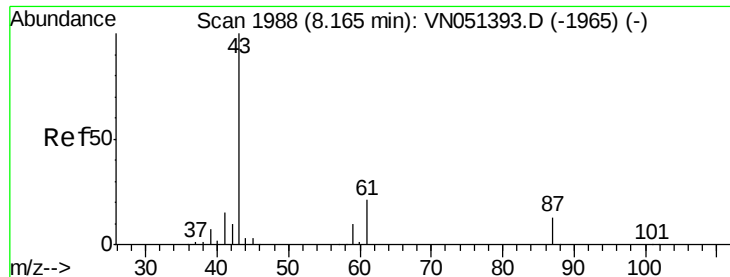
Tot Ion: 41 Resp: 134574
Ion Ratio Lower Upper
41 100
39 62.5 51.4 77.2
67 79.5 66.8 100.2
52 32.2 27.7 41.5



#42
1,2-Dichloroethane
Concen: 53.676 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 62 Resp: 375282
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 59.613 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

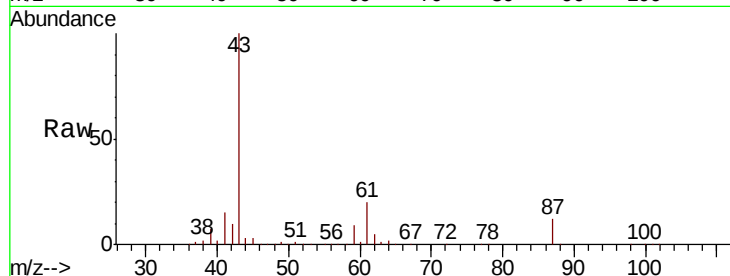
Tot Ion: 43 Resp: 460896

Ion Ratio Lower Upper

43 100

61 18.5 16.8 25.2

87 12.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

8.16

250000

200000

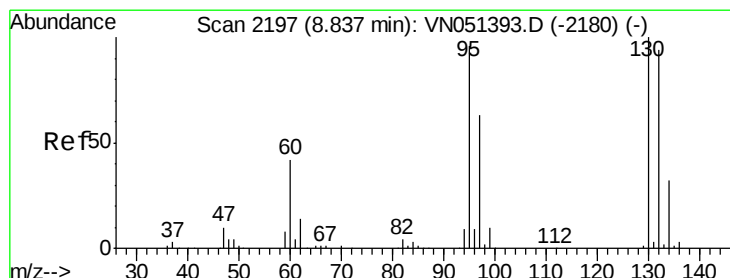
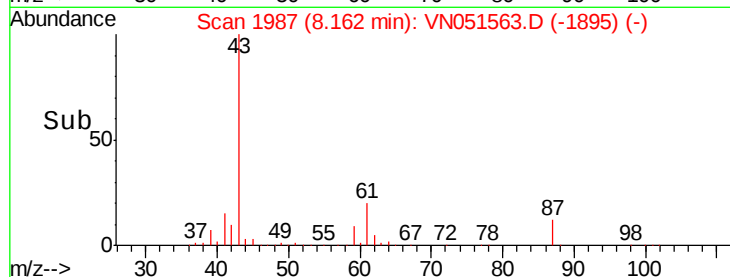
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 46.562 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051563.D

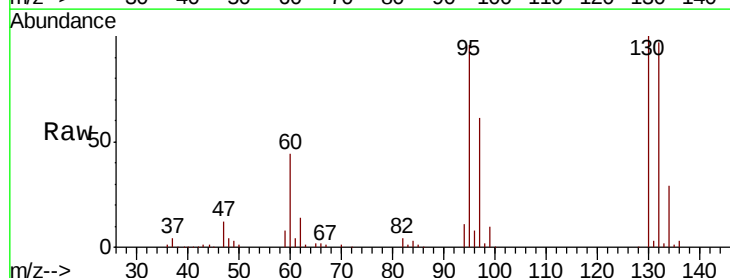
Acq: 27 Sep 2018 4:44

Tgt Ion:130 Resp: 270038

Ion Ratio Lower Upper

130 100

95 95.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)

8.83

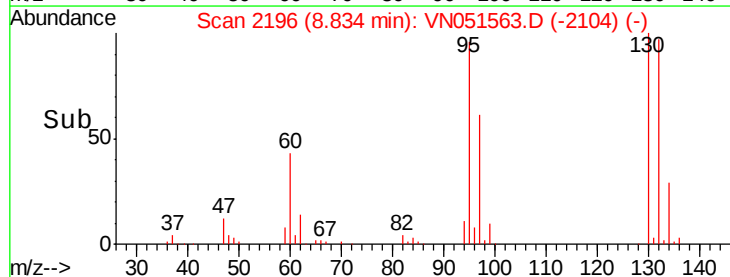
150000

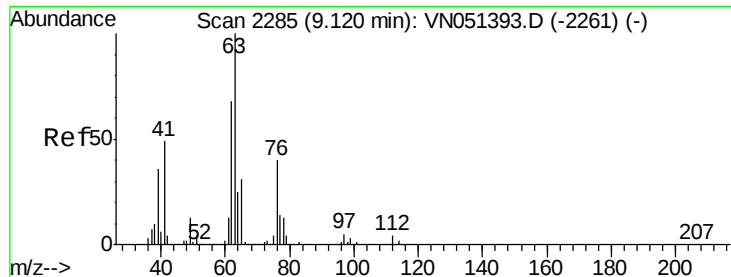
100000

50000

0

Time--> 8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 53.797 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

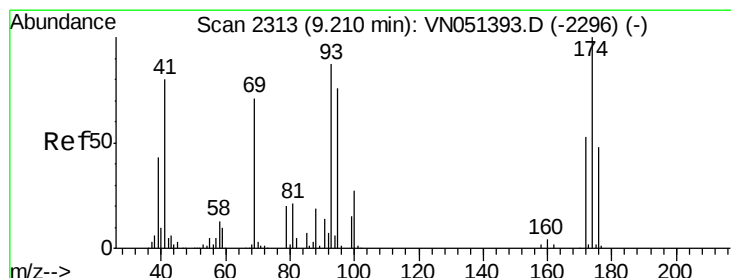
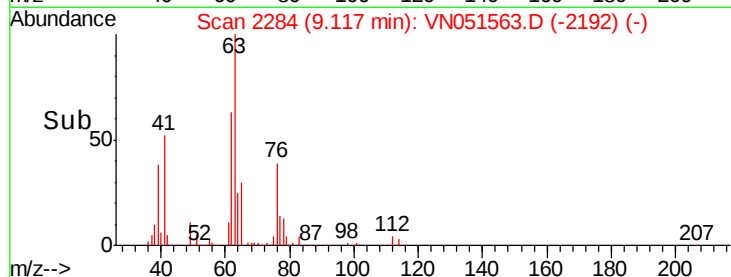
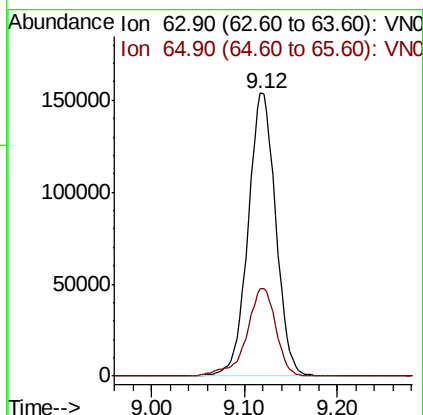
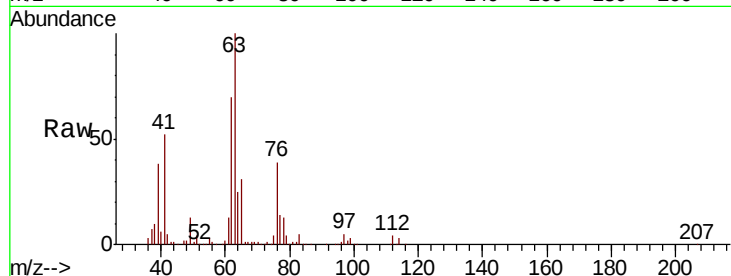
VSTDCCC050

Tot Ion: 63 Resp: 319309

Ion Ratio Lower Upper

63 100

65 30.7 24.9 37.3



#46

Dibromomethane

Concen: 53.857 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

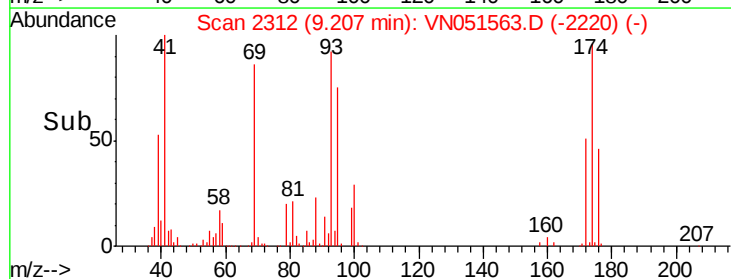
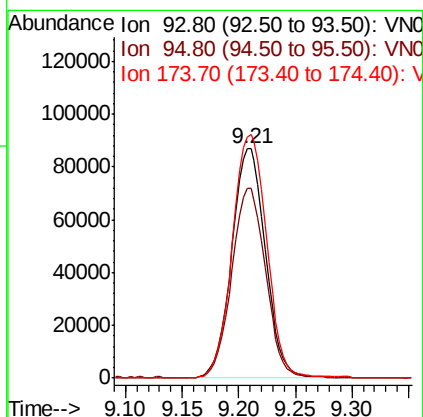
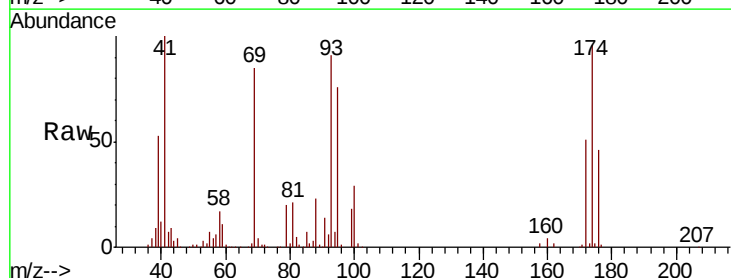
Tgt Ion: 93 Resp: 180615

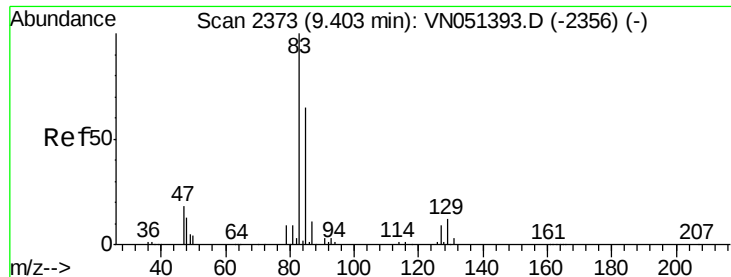
Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 108.5 89.6 134.4

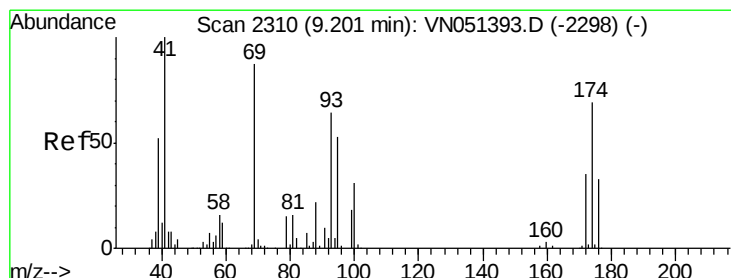
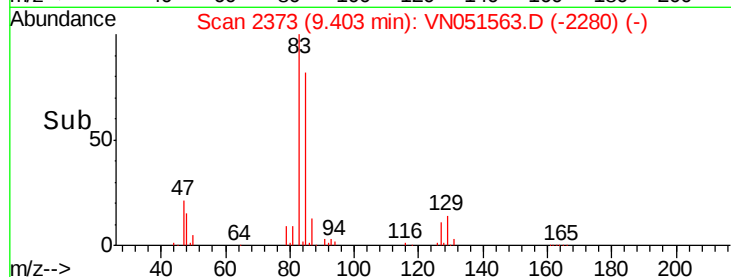
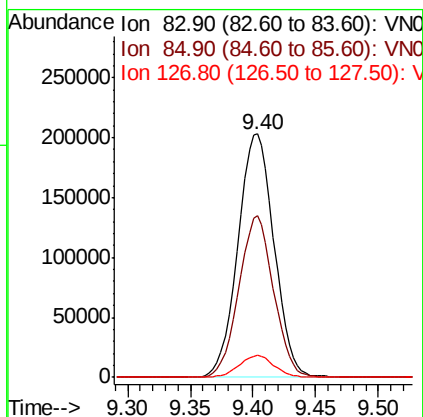
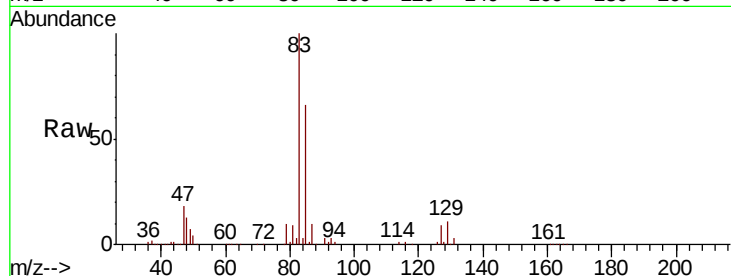




#47
Bromodichloromethane
Concen: 54.665 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

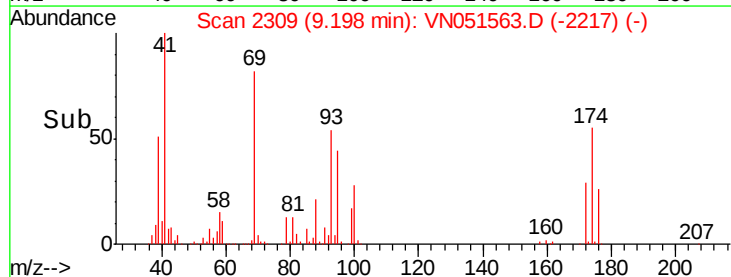
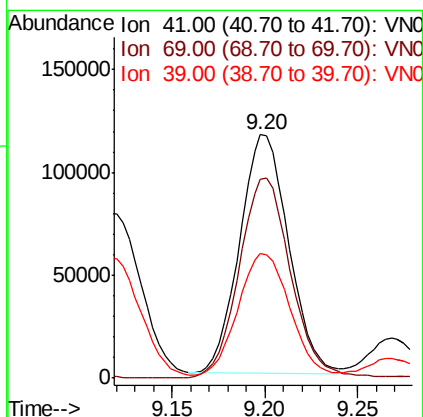
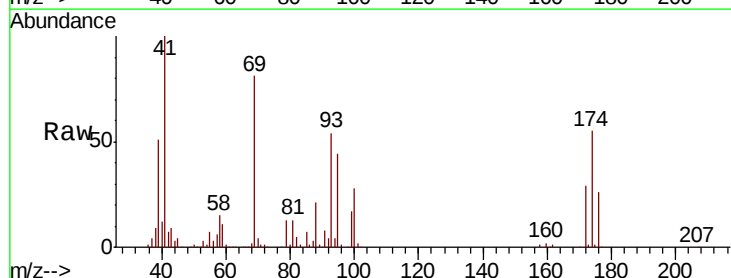
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

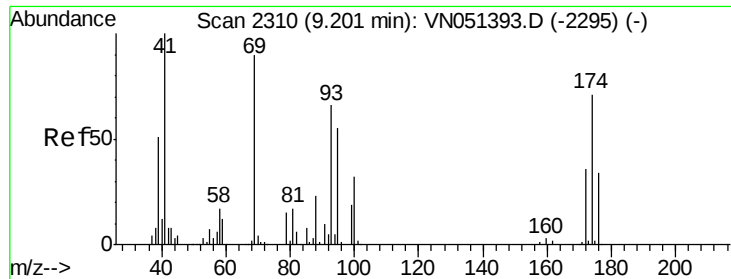
Tot Ion: 83 Resp: 405698
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.6
127 9.0 7.4 11.2



#48
Methyl methacrylate
Concen: 55.574 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 41 Resp: 214218
Ion Ratio Lower Upper
41 100
69 87.7 70.4 105.6
39 55.7 43.8 65.8





#49

1,4-Dioxane

Concen: 1108.695 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

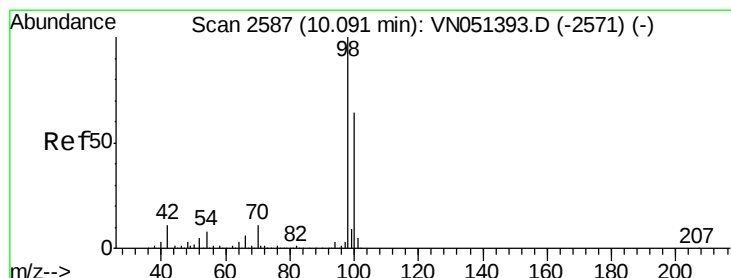
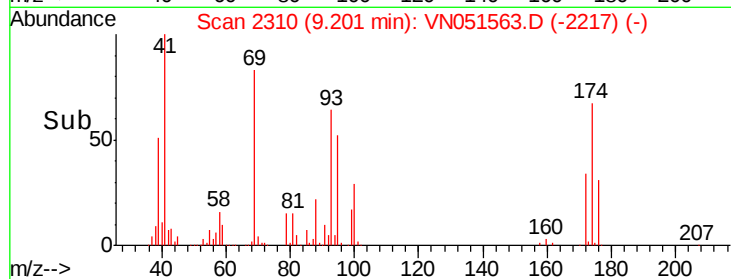
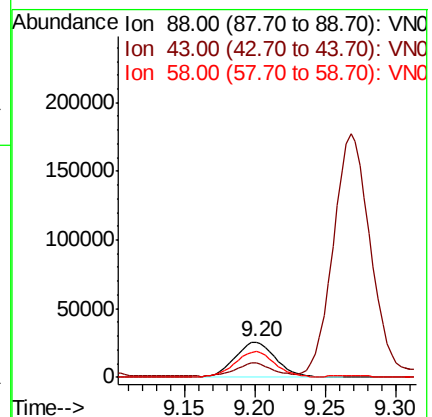
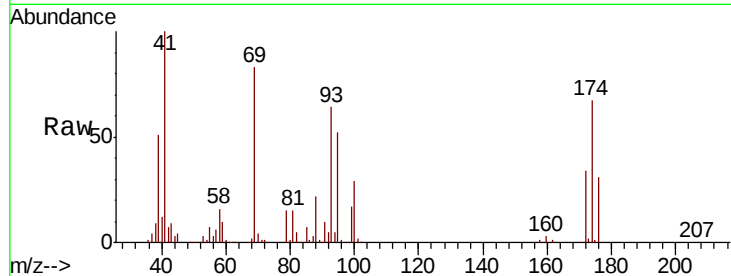
Tot Ion: 88 Resp: 52376

Ion Ratio Lower Upper

88 100

43 33.7 25.9 38.9

58 72.6 57.0 85.4



#50

Toluene-d8

Concen: 49.292 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051563.D

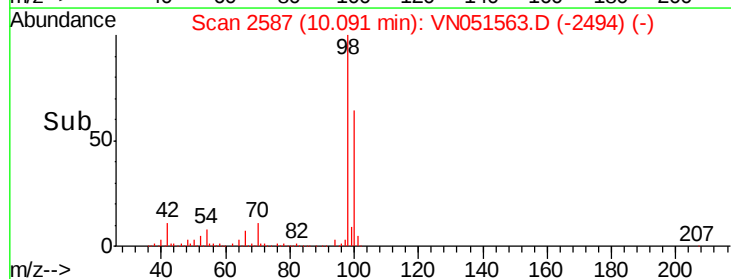
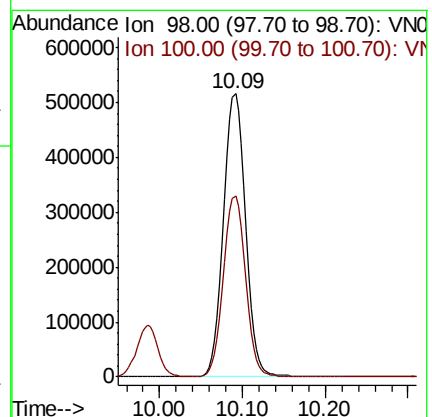
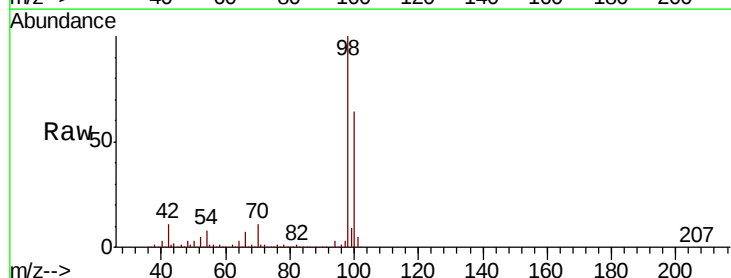
Acq: 27 Sep 2018 4:44

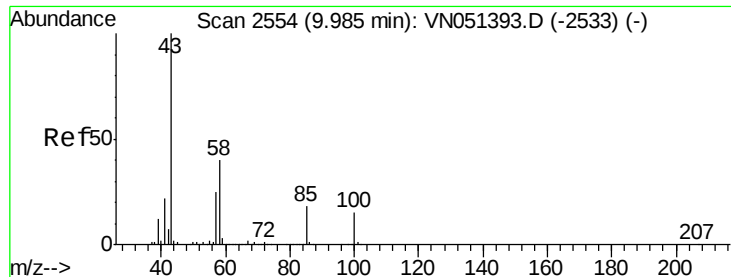
Tgt Ion: 98 Resp: 953162

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8

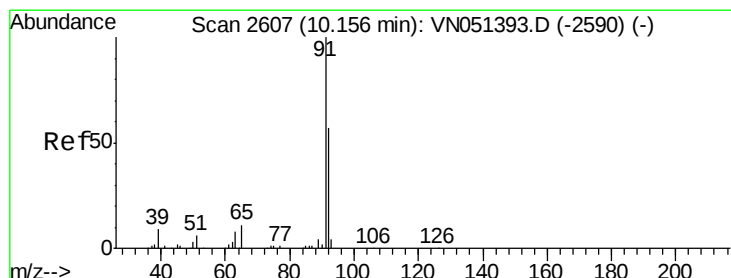
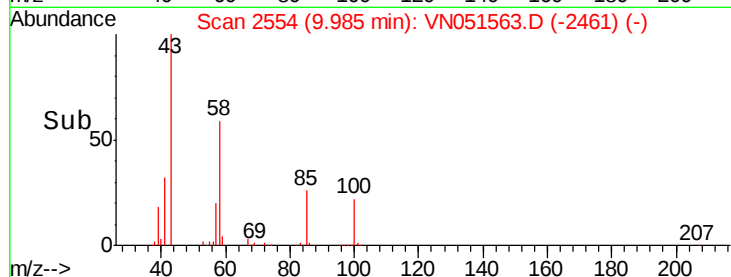
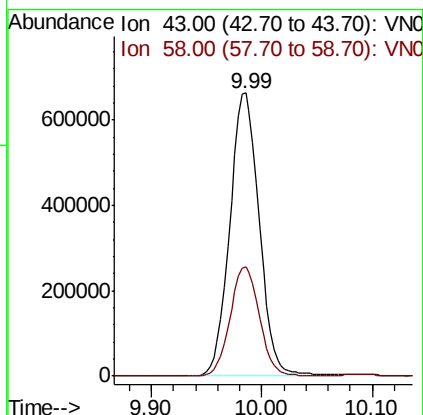
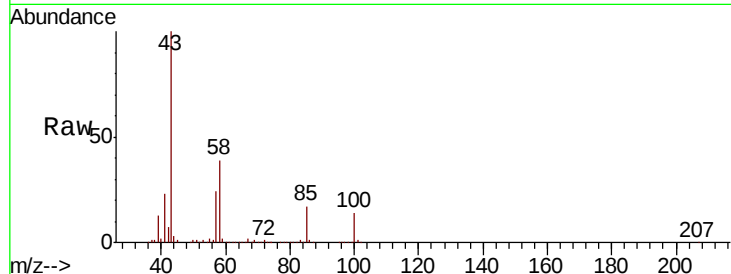




#51
 4-Methyl-2-Pentanone
 Concen: 288.337 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

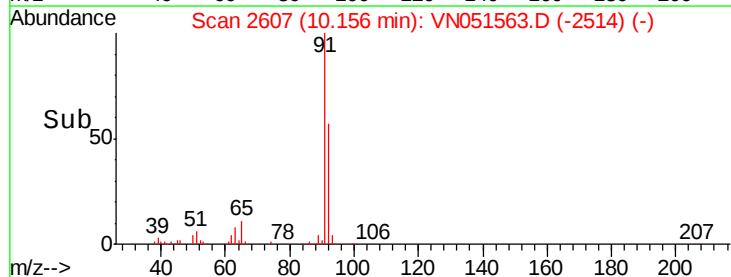
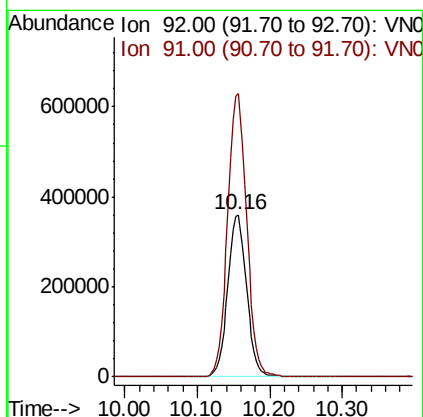
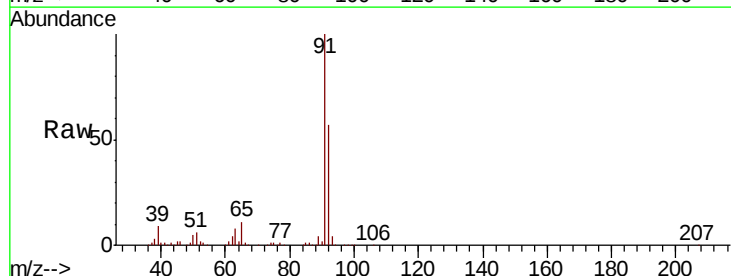
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

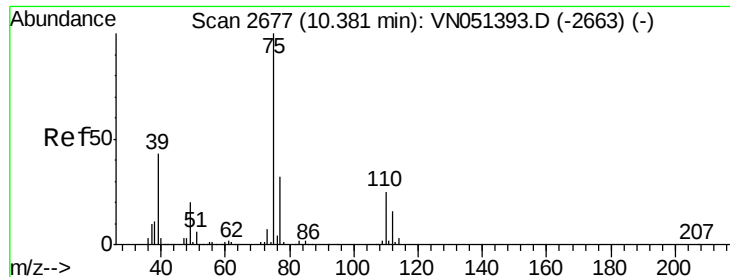
Tot Ion: 43 Resp: 1226023
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.5 47.3



#52
 Toluene
 Concen: 48.197 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 92 Resp: 654013
 Ion Ratio Lower Upper
 92 100
 91 177.0 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 49.982 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

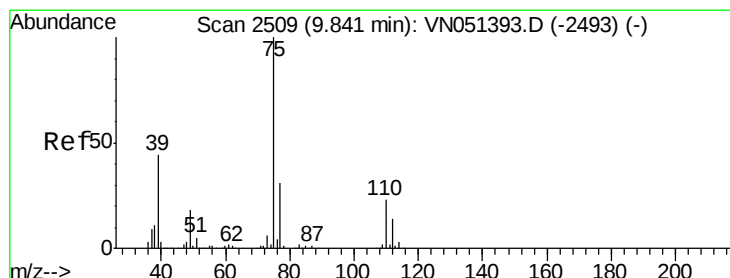
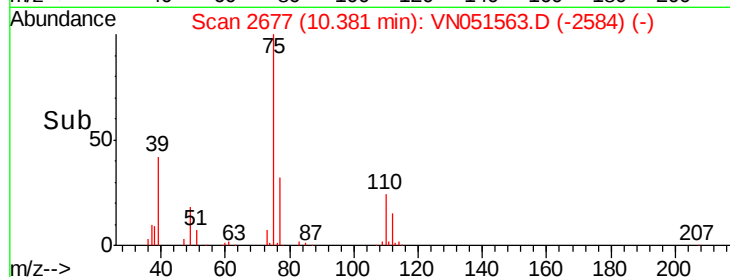
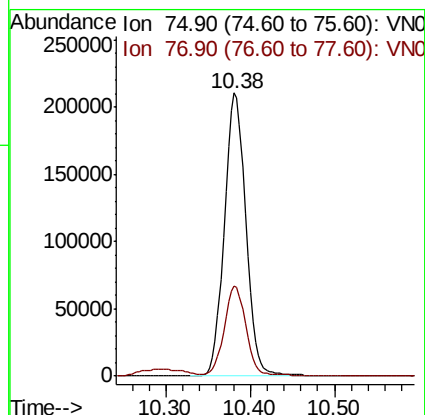
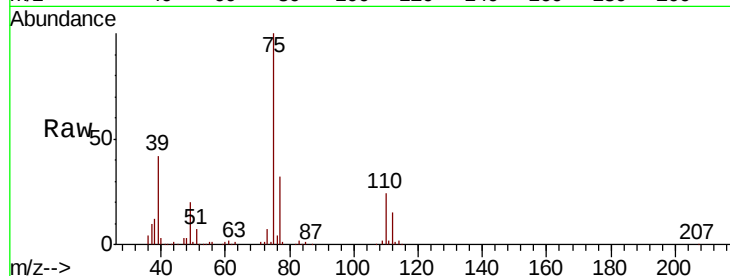
VSTDCCC050

Tot Ion: 75 Resp: 374493

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 49.632 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

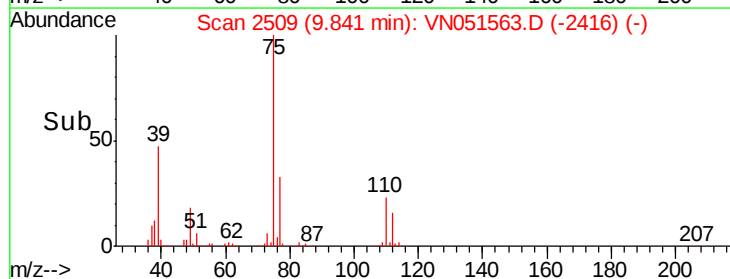
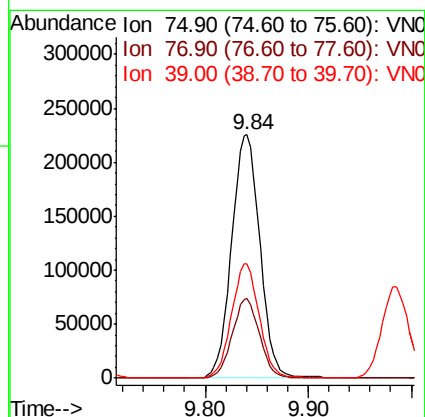
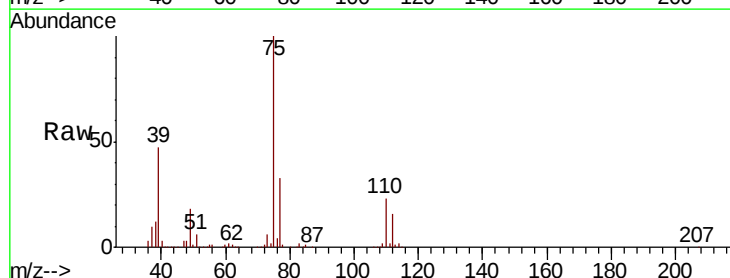
Tgt Ion: 75 Resp: 431251

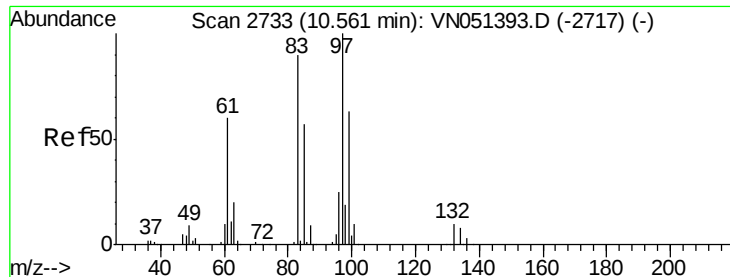
Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

39 46.7 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 55.005 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 263784

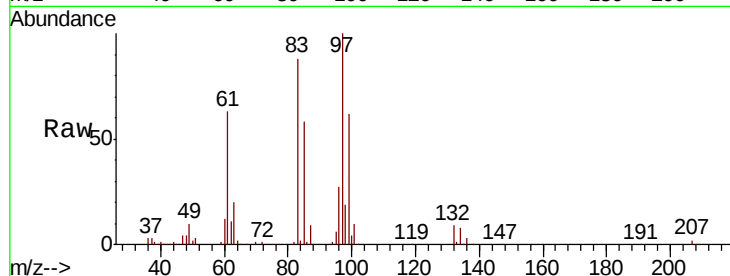
Ion Ratio Lower Upper

97 100

83 87.8 72.0 108.0

85 57.6 45.2 67.8

99 61.6 50.7 76.1

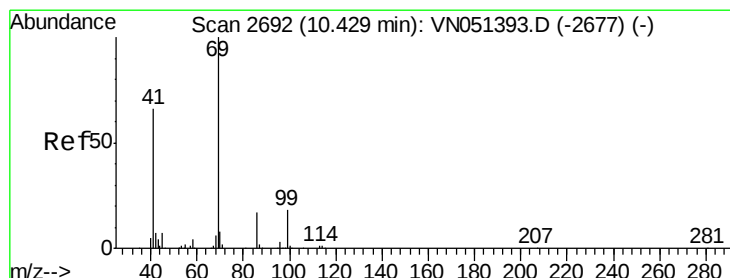
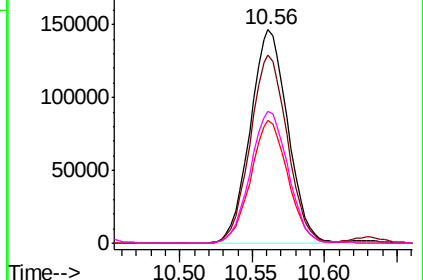
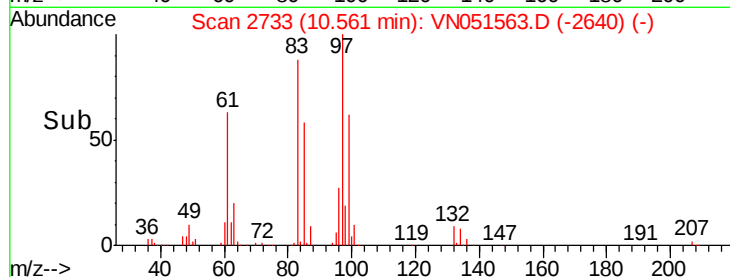


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 55.682 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

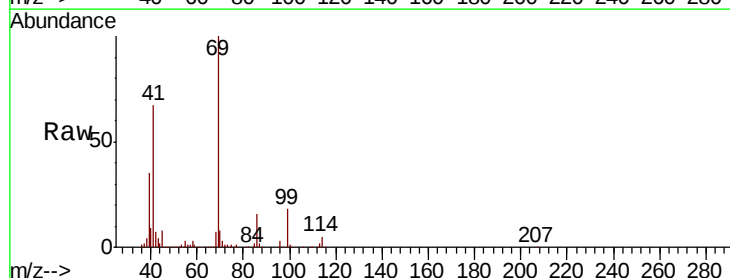
Tgt Ion: 69 Resp: 326485

Ion Ratio Lower Upper

69 100

41 65.8 52.4 78.6

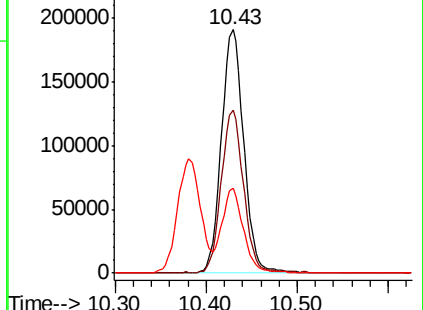
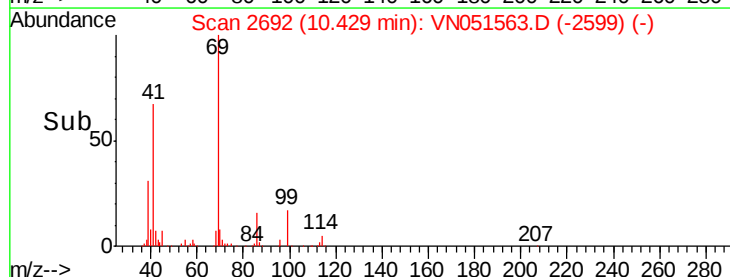
39 33.1 26.3 39.5

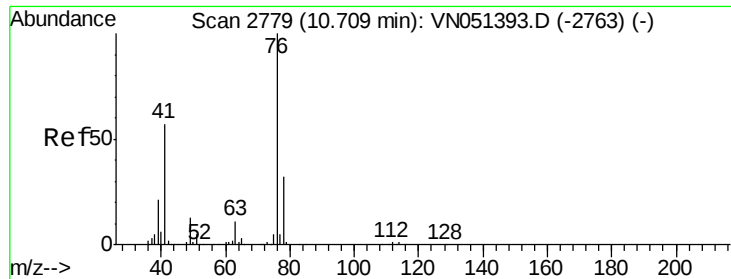


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 54.508 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

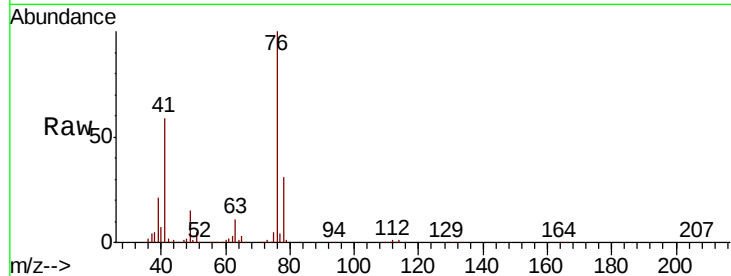
VSTDCCC050

Tot Ion: 76 Resp: 448042

Ion Ratio Lower Upper

76 100

78 31.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

150000

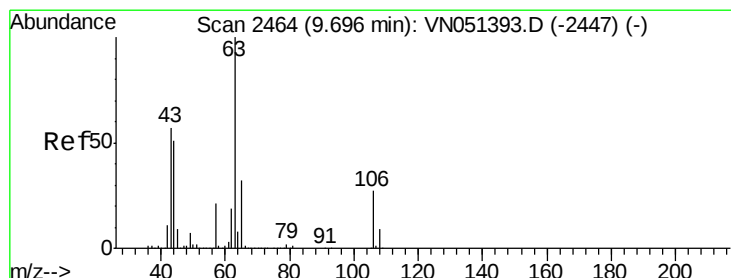
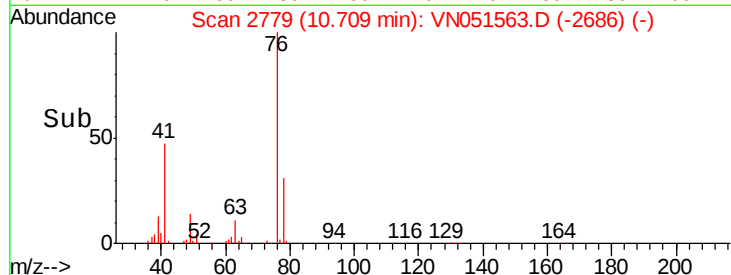
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 261.008 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051563.D

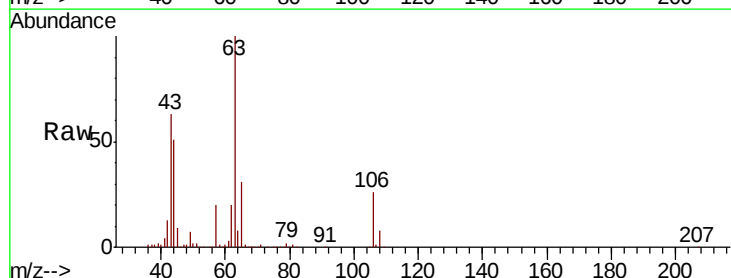
Acq: 27 Sep 2018 4:44

Tgt Ion: 63 Resp: 831305

Ion Ratio Lower Upper

63 100

106 25.8 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

500000

400000

300000

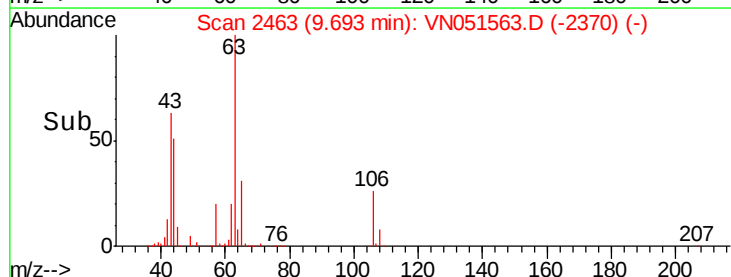
200000

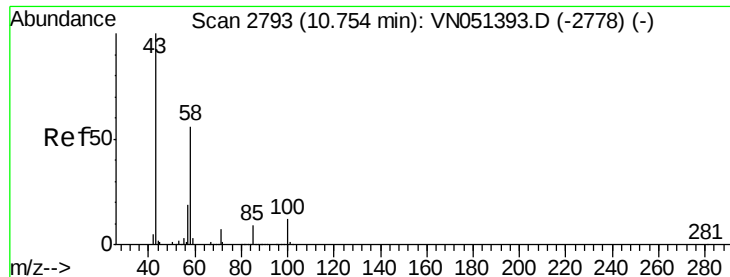
100000

0

Time-->

9.60 9.70 9.80

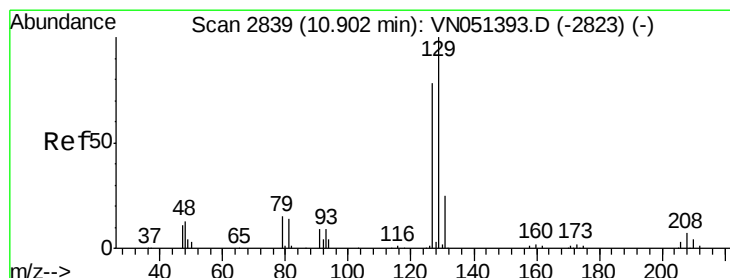
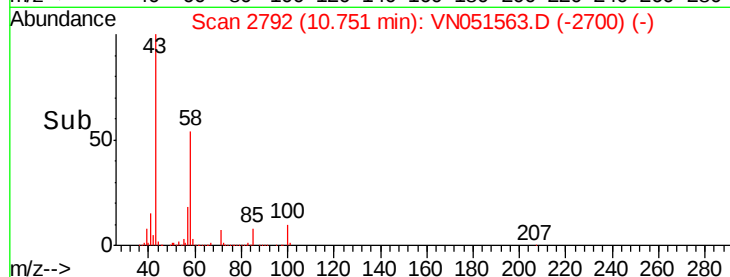
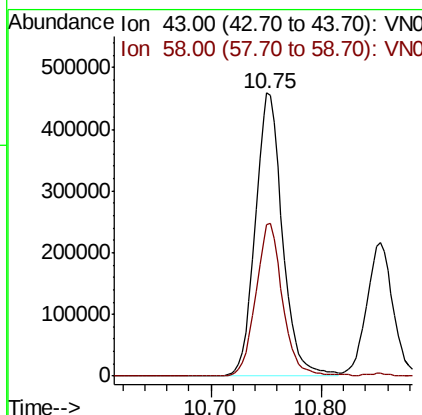
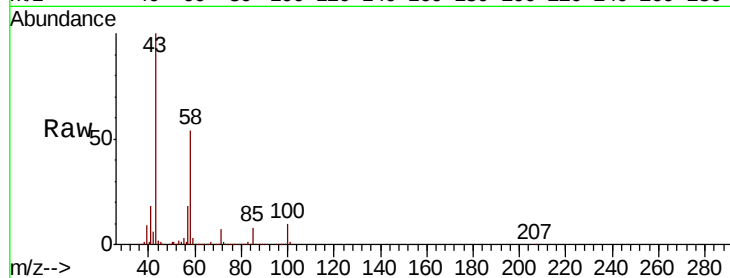




#59
2-Hexanone
Concen: 282.520 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

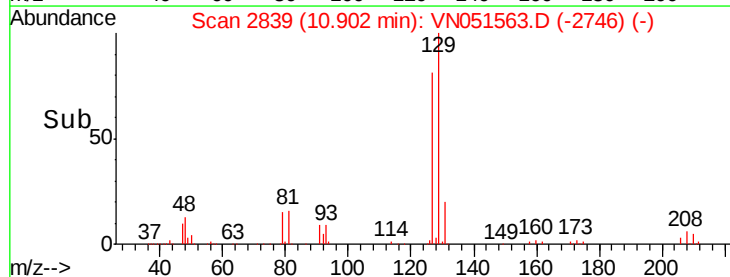
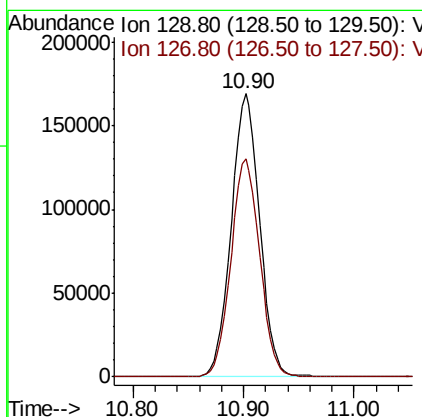
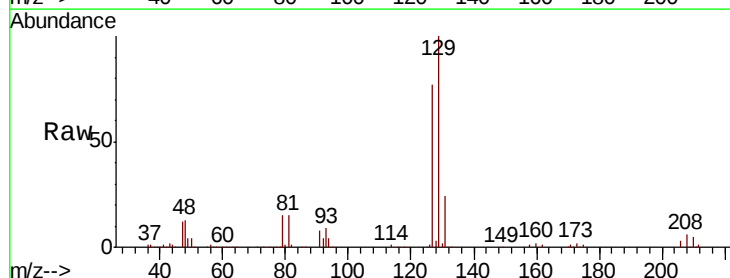
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

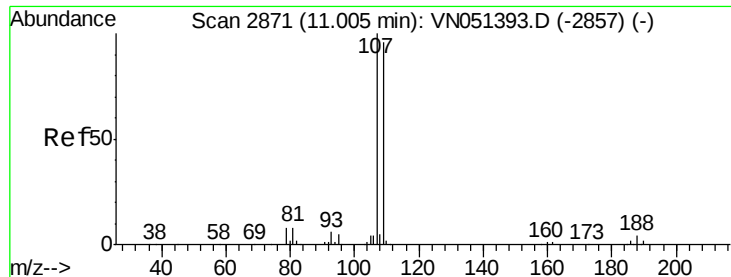
Tot Ion: 43 Resp: 778752
Ion Ratio Lower Upper
43 100
58 53.6 27.7 83.0



#60
Dibromochloromethane
Concen: 53.241 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 129 Resp: 301254
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

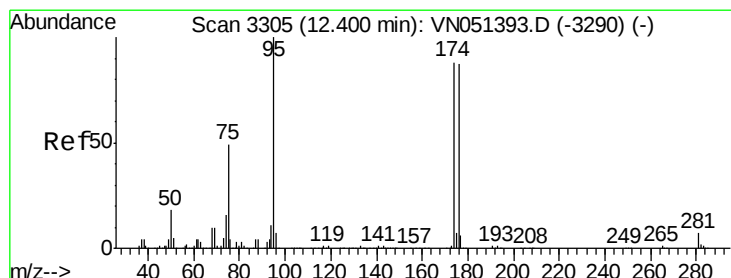
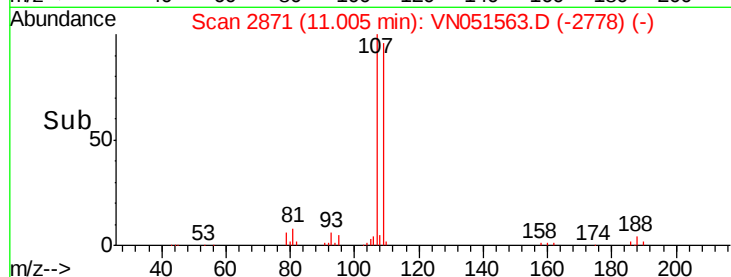
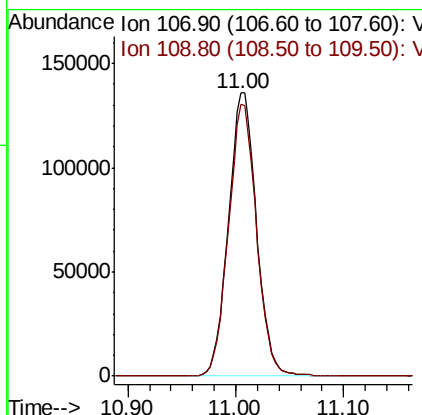
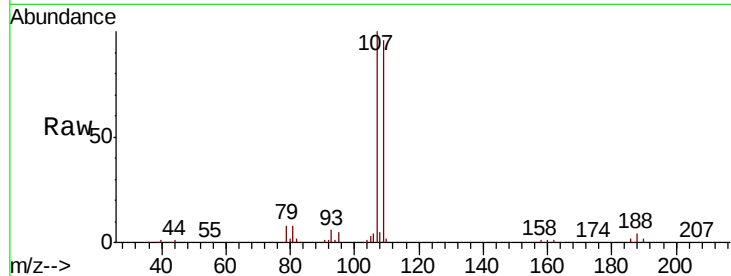




#61
 1,2-Dibromoethane
 Concen: 53.060 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

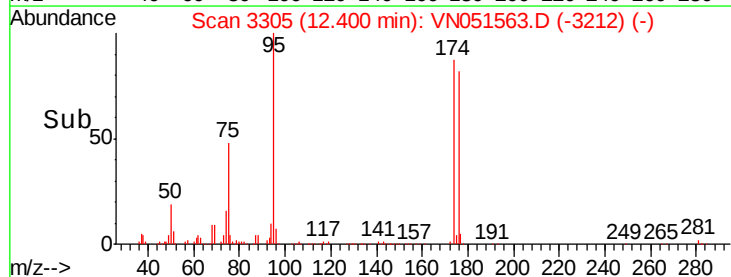
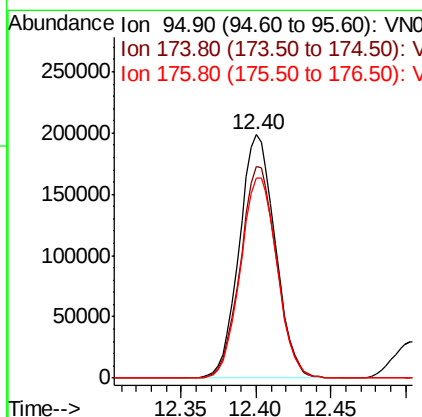
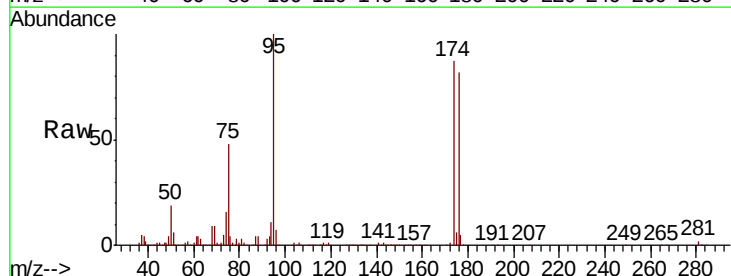
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

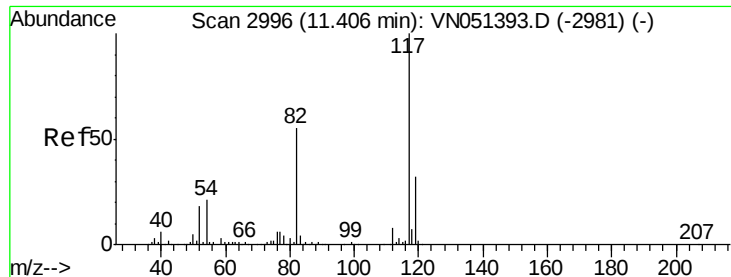
Tot Ion:107 Resp: 247020
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 53.089 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 95 Resp: 332099
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 181.6
 176 83.8 0.0 176.4

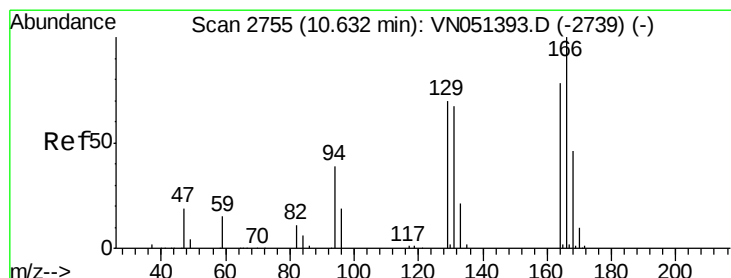
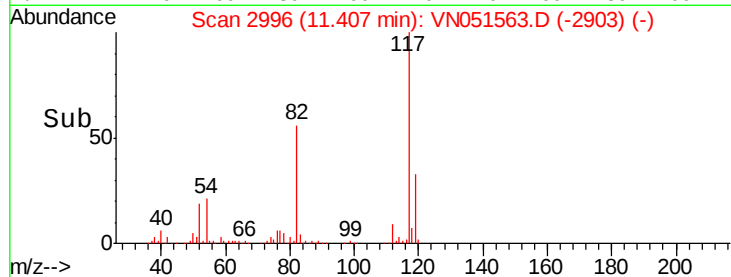
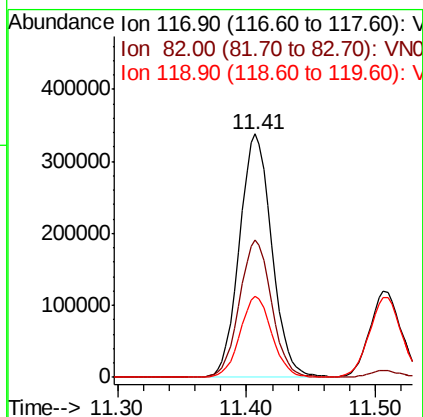
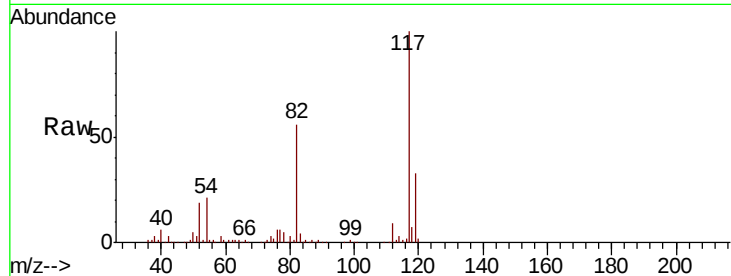




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

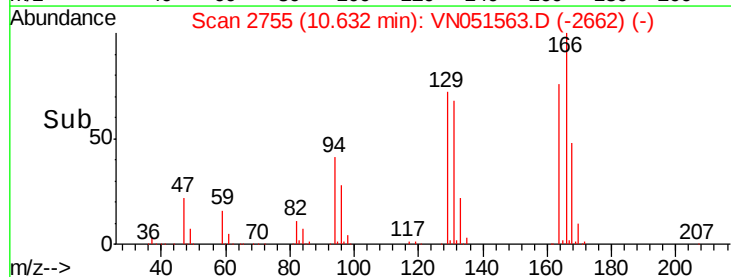
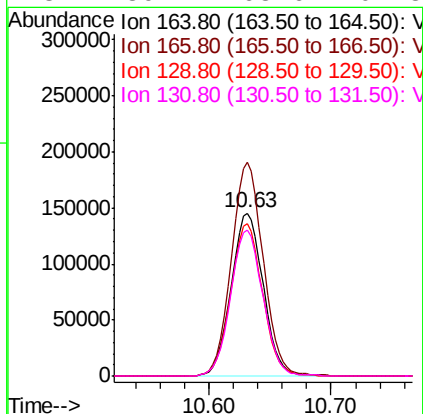
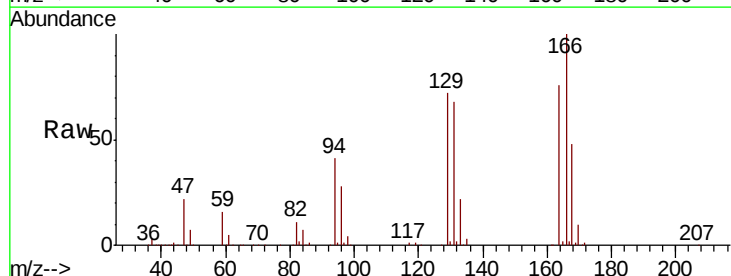
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

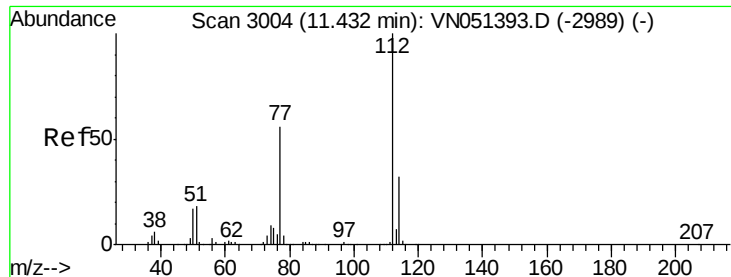
Tot Ion:117 Resp: 589477
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 33.3 25.9 38.9



#64
Tetrachloroethene
Concen: 49.595 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion:164 Resp: 265321
Ion Ratio Lower Upper
164 100
166 130.9 102.3 153.5
129 93.7 71.8 107.8
131 89.4 68.6 102.8

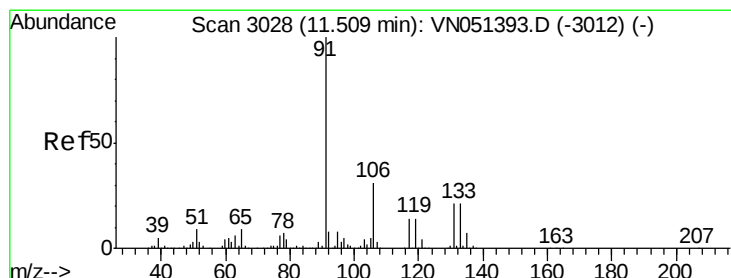
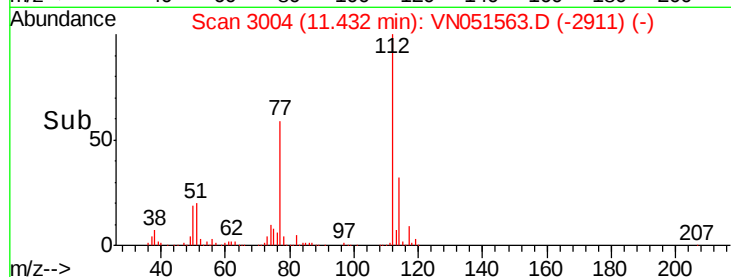
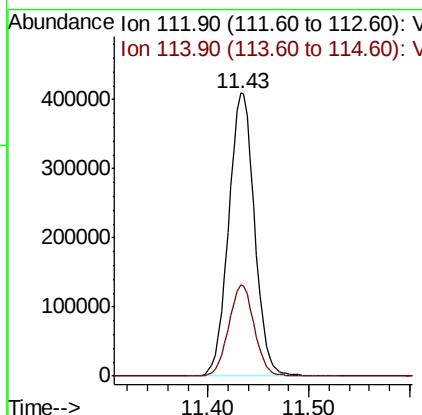
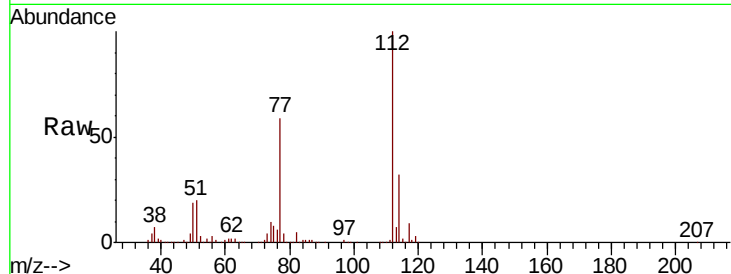




#65
Chlorobenzene
Concen: 48.472 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

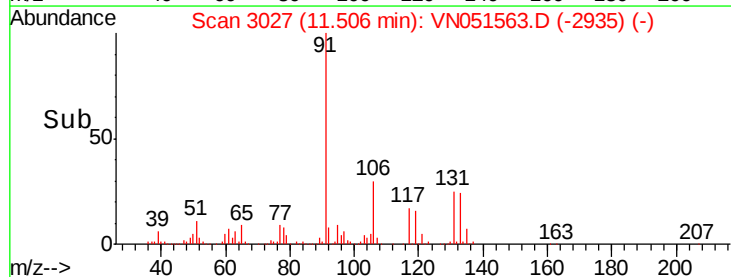
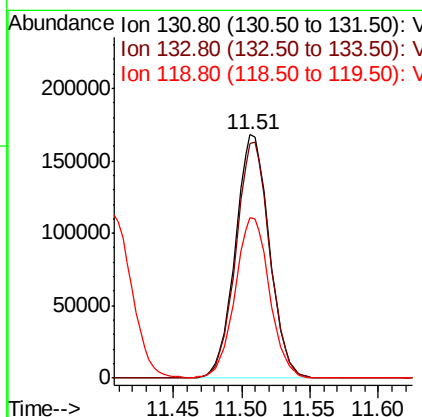
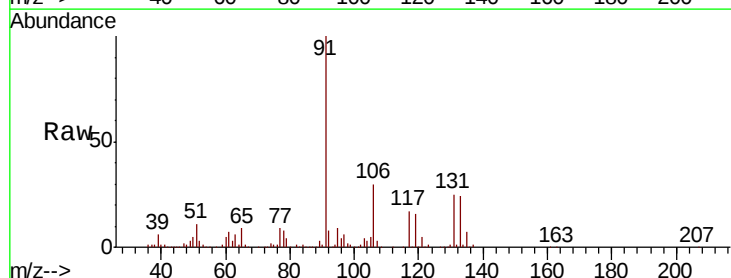
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

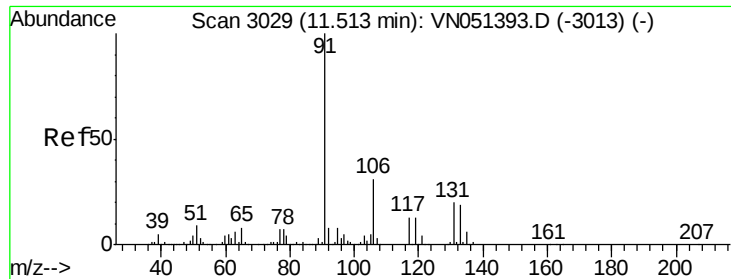
Tot Ion:112 Resp: 733097
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.417 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion:131 Resp: 290508
Ion Ratio Lower Upper
131 100
133 96.3 48.3 144.8
119 66.6 32.8 98.4

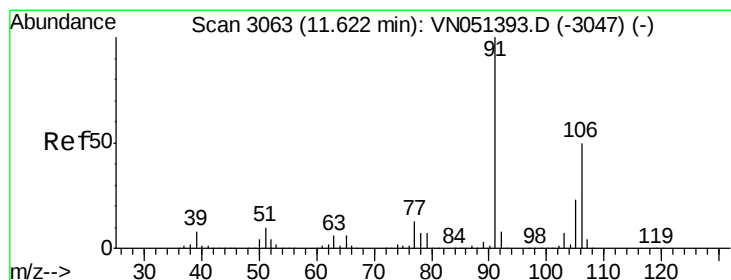
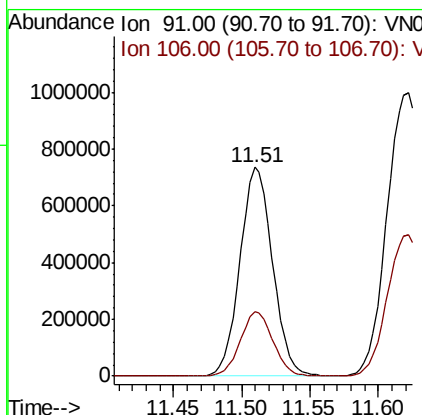
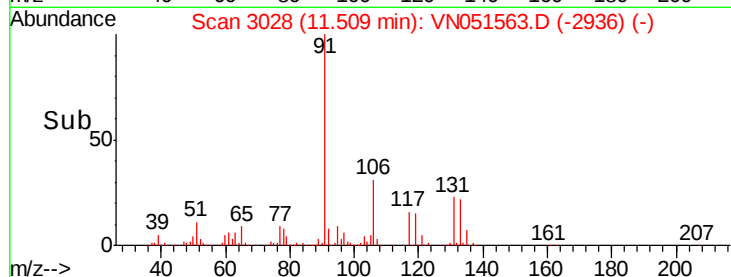
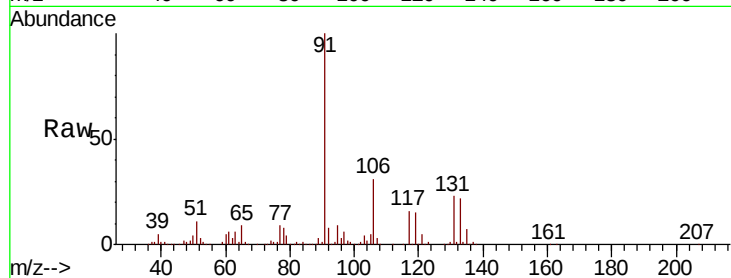




#67
Ethyl Benzene
Concen: 47.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

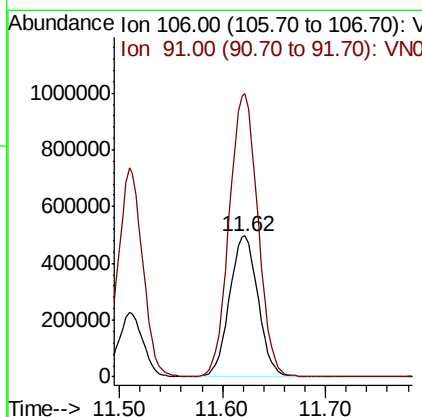
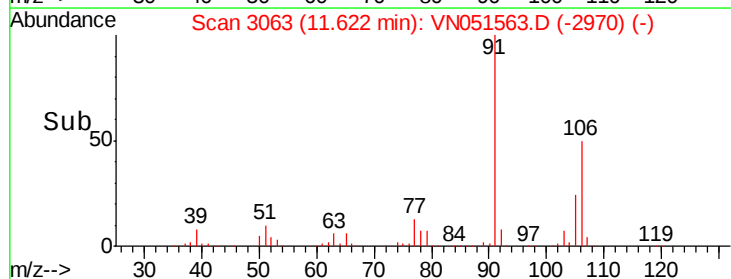
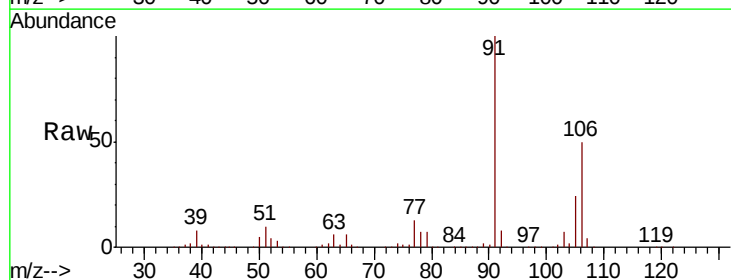
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

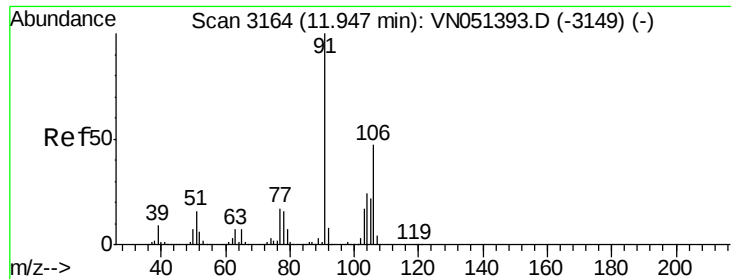
Tot Ion: 91 Resp: 1221767
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 97.164 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion:106 Resp: 957935
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9

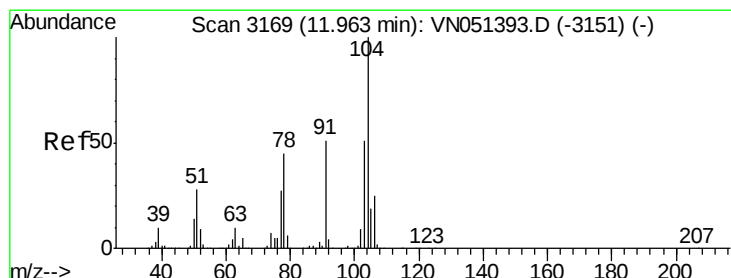
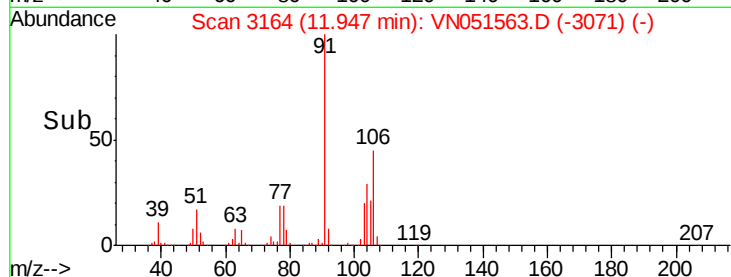
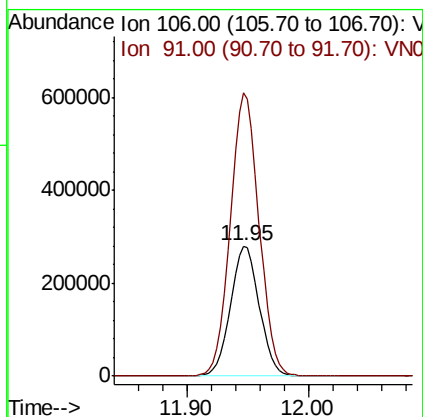
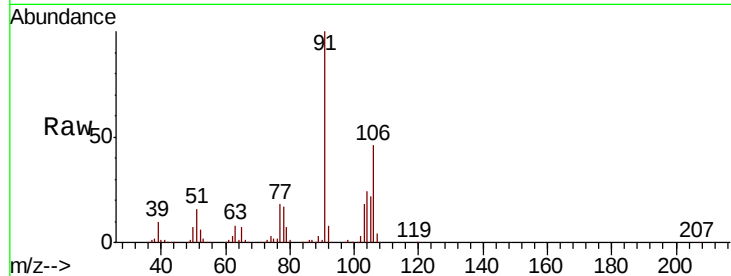




#69
o-Xylene
Concen: 48.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

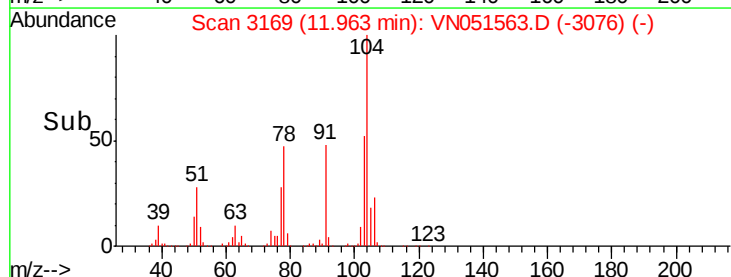
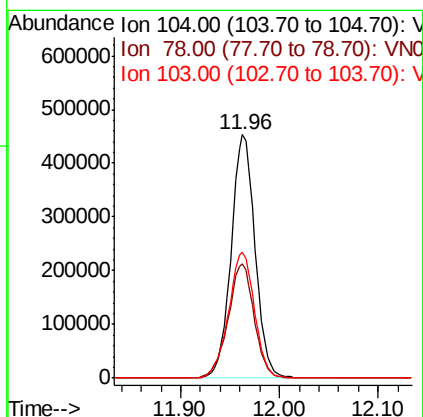
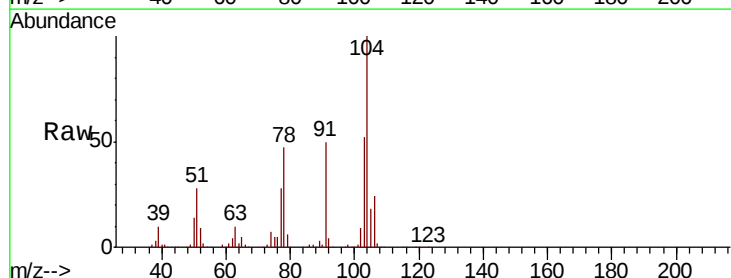
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

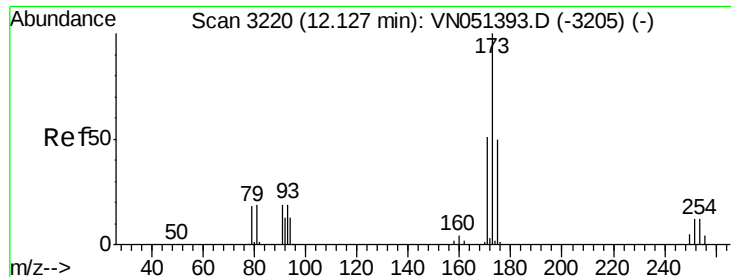
Tot Ion:106 Resp: 460587
Ion Ratio Lower Upper
106 100
91 217.0 105.3 315.9



#70
Styrene
Concen: 51.069 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion:104 Resp: 766977
Ion Ratio Lower Upper
104 100
78 51.0 39.9 59.9
103 56.1 44.6 66.8

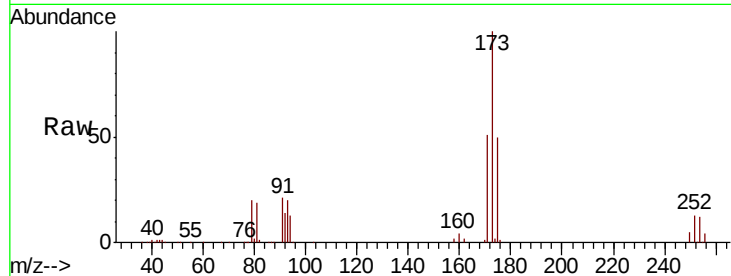




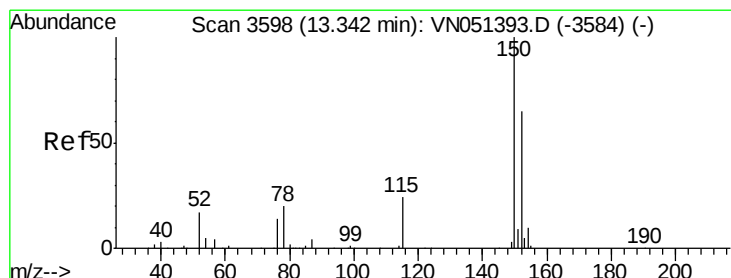
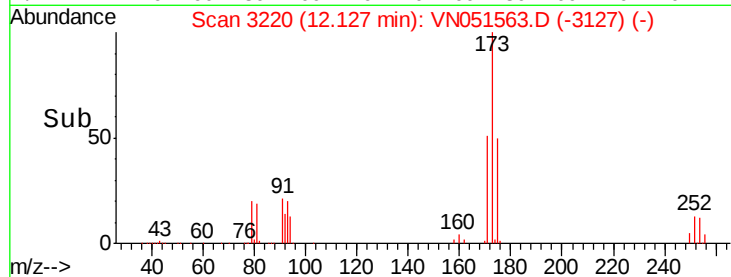
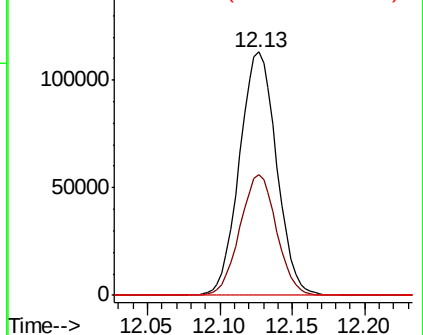
#71
Bromoform
Concen: 51.479 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 201277
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.3
254 0.2 0.2 0.2

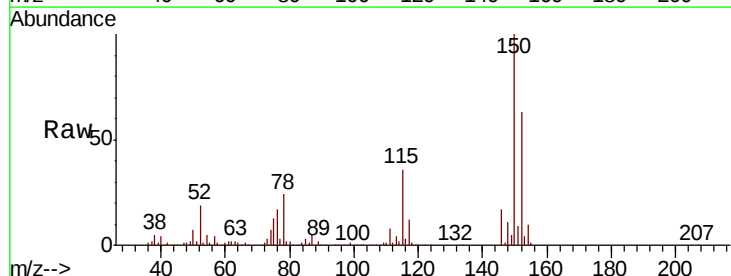


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

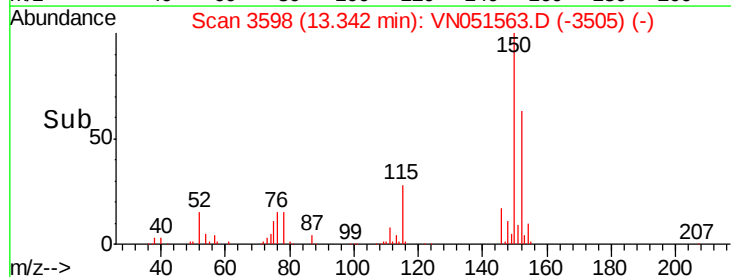
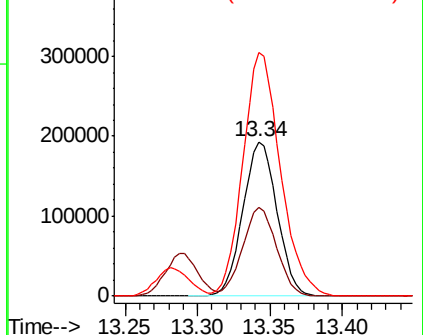


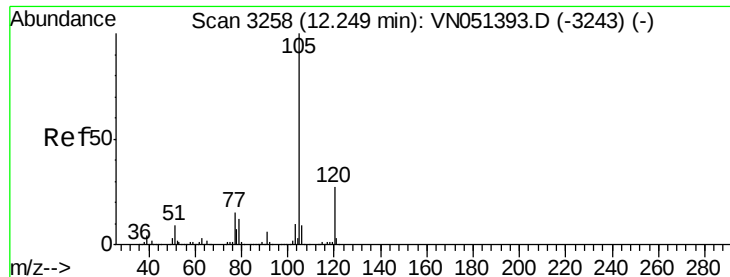
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion:152 Resp: 316684
Ion Ratio Lower Upper
152 100
115 57.0 28.3 84.9
150 173.5 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.574 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

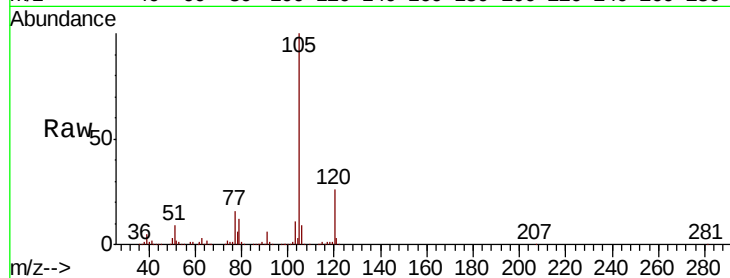
VSTDCCC050

Tot Ion:105 Resp: 1217726

Ion Ratio Lower Upper

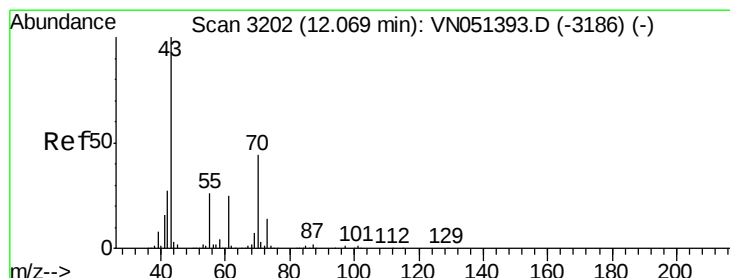
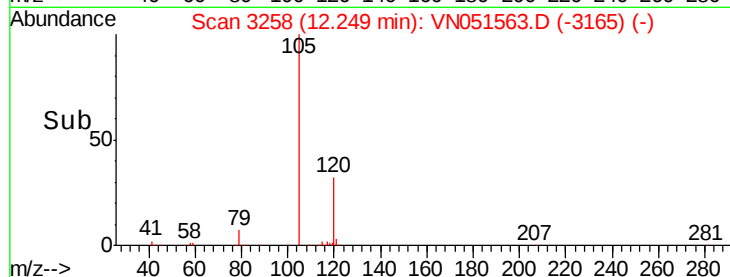
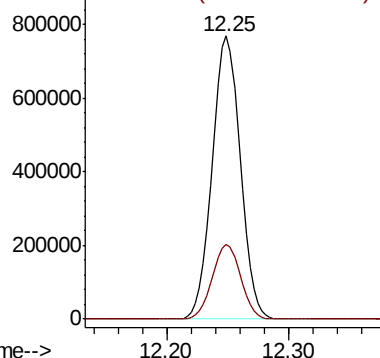
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.826 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Tgt Ion: 43 Resp: 360854

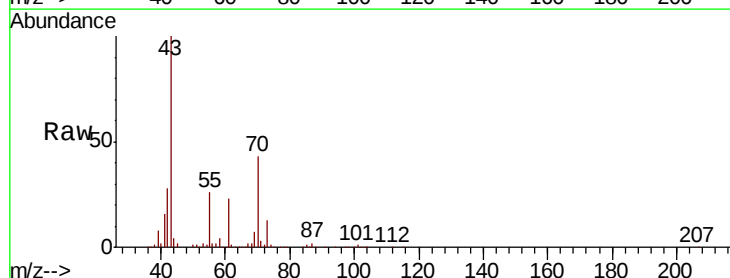
Ion Ratio Lower Upper

43 100

70 42.7 35.0 52.4

55 27.2 21.4 32.2

61 23.8 19.8 29.6

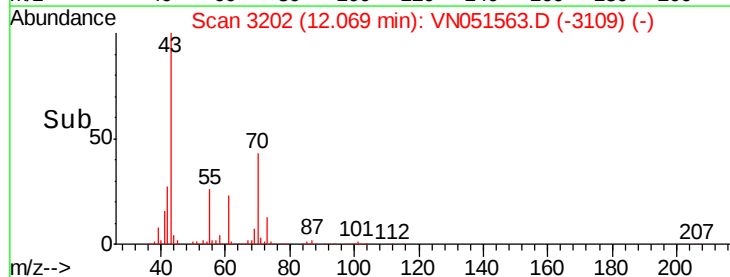
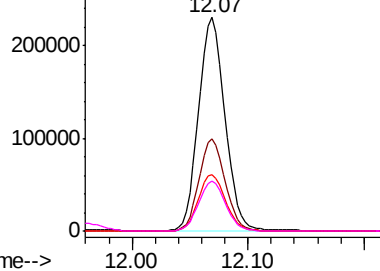


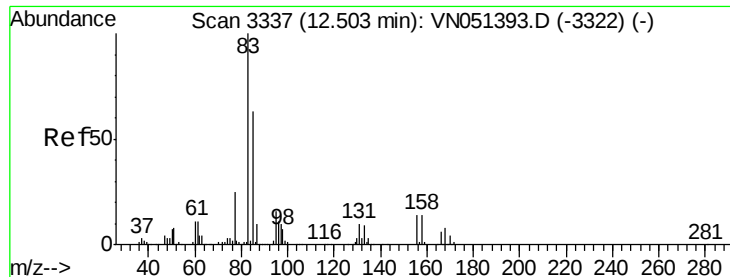
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 51.592 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

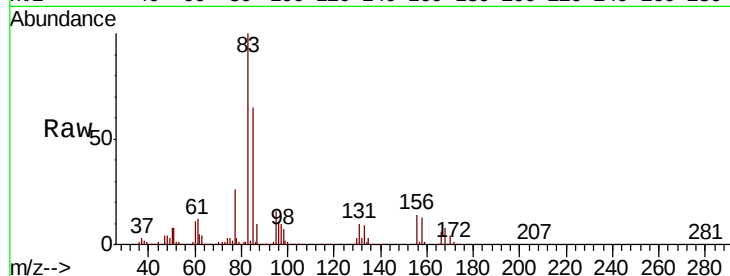
Tot Ion: 83 Resp: 321459

Ion Ratio Lower Upper

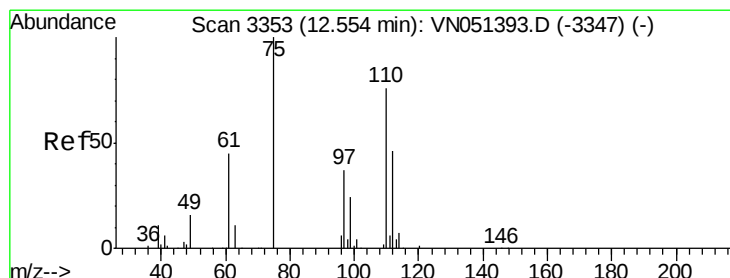
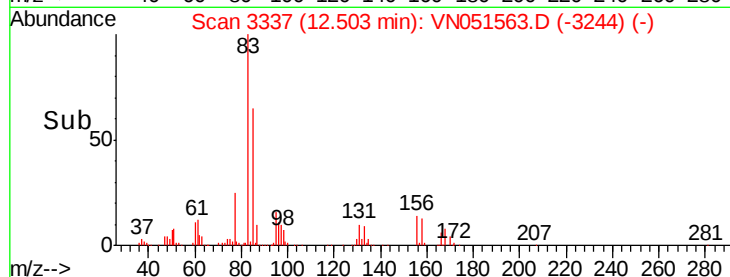
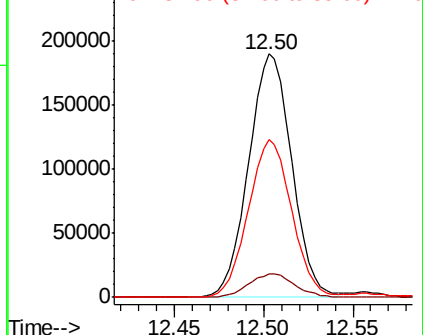
83 100

131 10.2 5.3 15.9

85 65.1 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 72.267 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051563.D

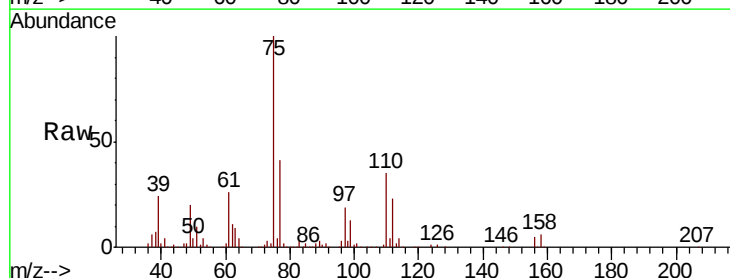
Acq: 27 Sep 2018 4:44

Tgt Ion: 75 Resp: 379921

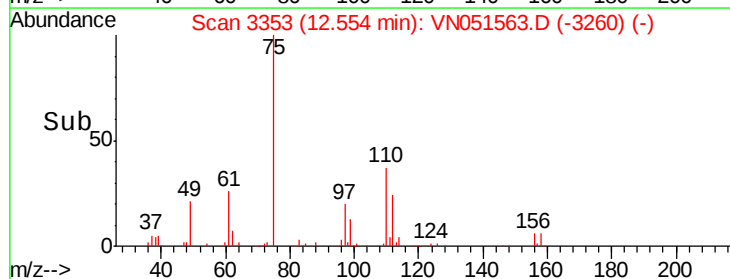
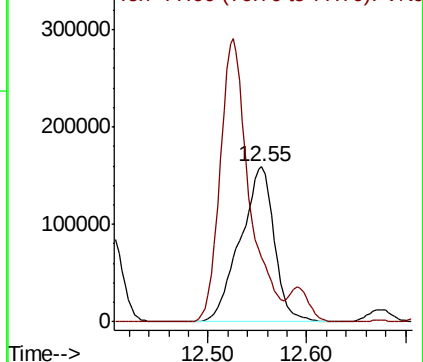
Ion Ratio Lower Upper

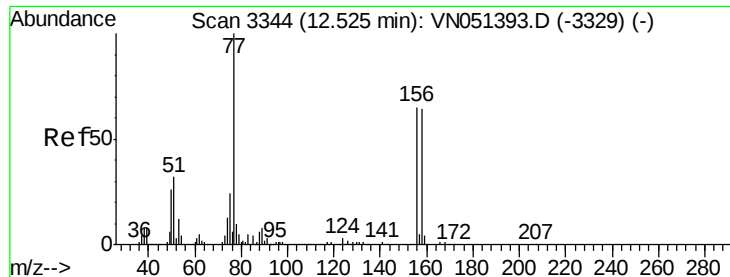
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.674 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

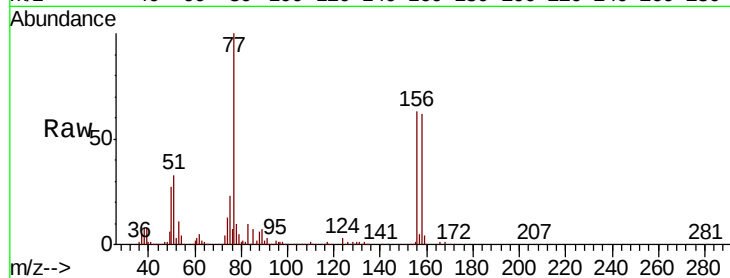
Tot Ion:156 Resp: 315709

Ion Ratio Lower Upper

156 100

77 190.6 89.5 268.4

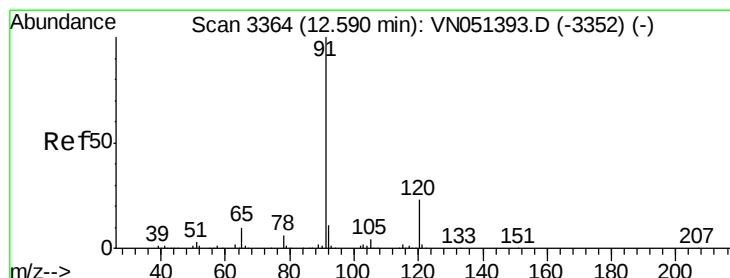
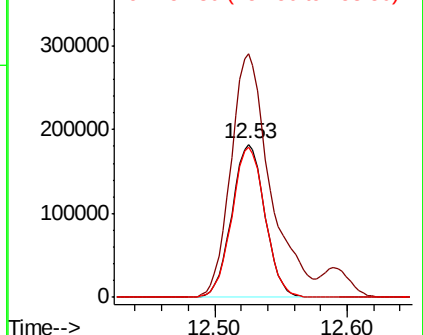
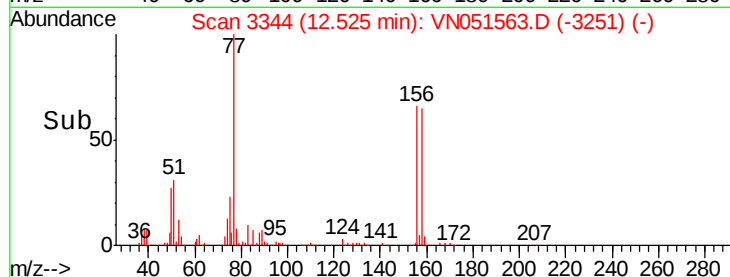
158 98.8 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.803 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051563.D

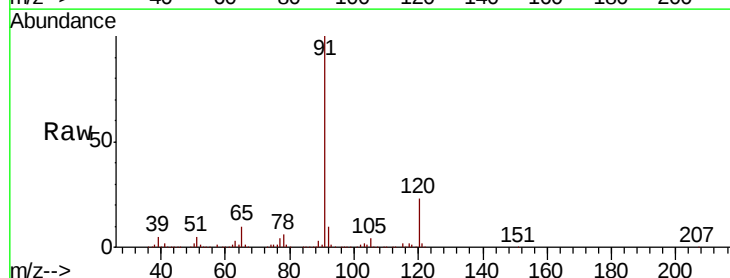
Acq: 27 Sep 2018 4:44

Tgt Ion: 91 Resp: 1409434

Ion Ratio Lower Upper

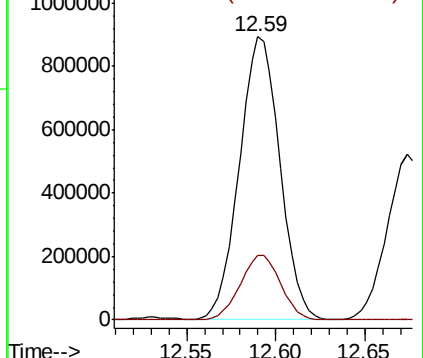
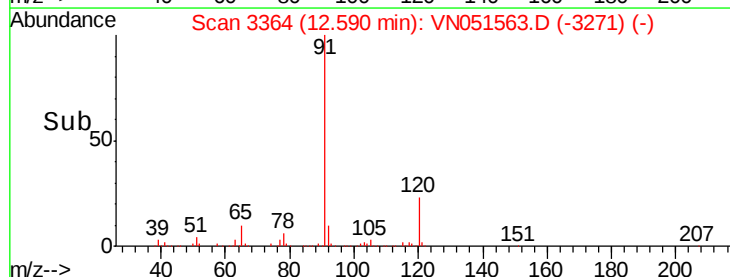
91 100

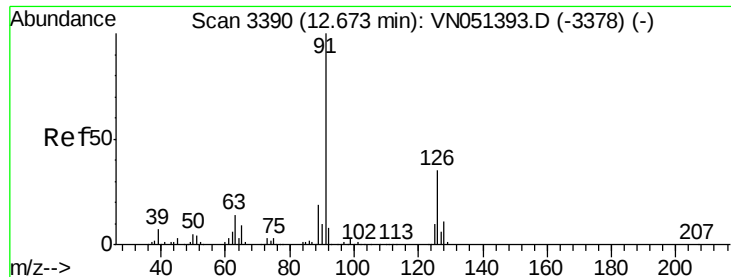
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

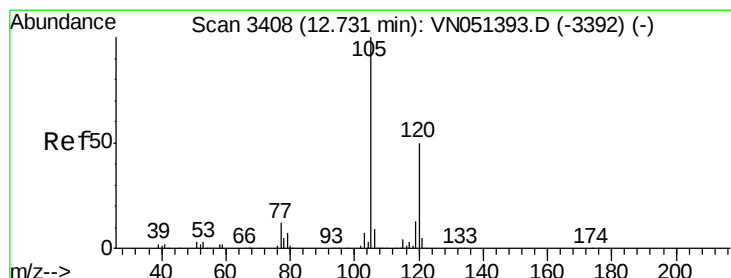
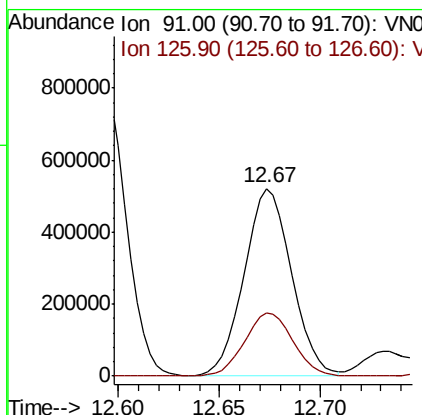
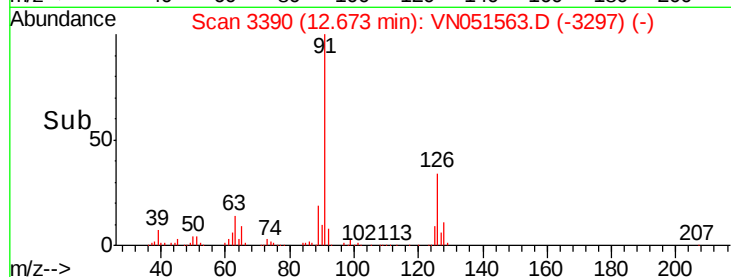
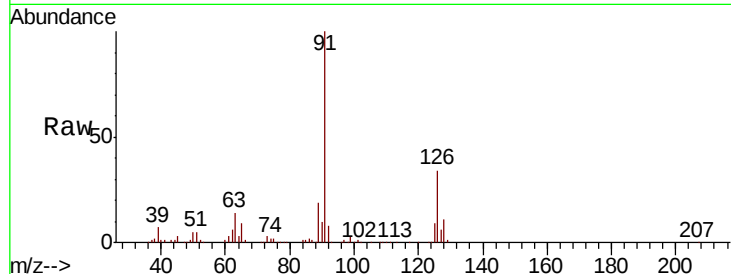




#79
 2-Chlorotoluene
 Concen: 47.470 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

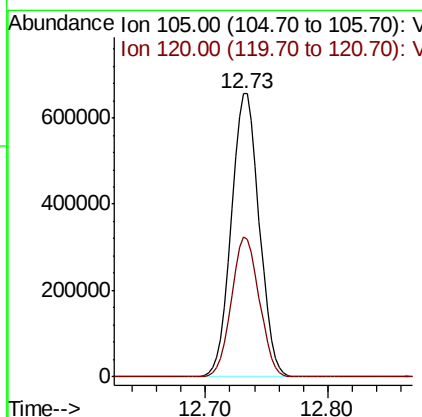
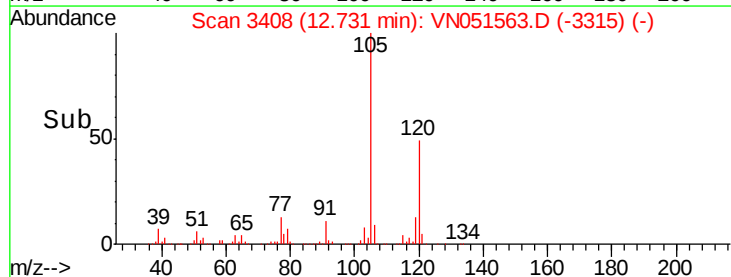
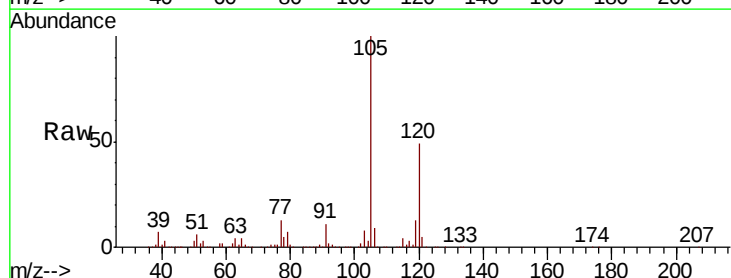
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

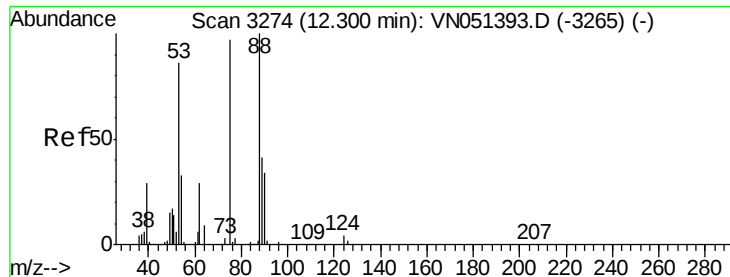
Tot Ion: 91 Resp: 855678
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 47.960 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion: 105 Resp: 1044927
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.700 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

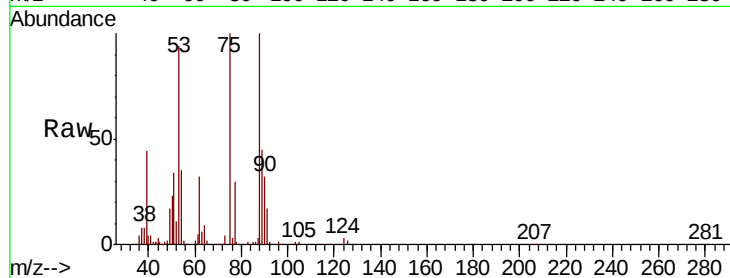
Tot Ion: 75 Resp: 78132

Ion Ratio Lower Upper

75 100

53 93.0 73.9 110.9

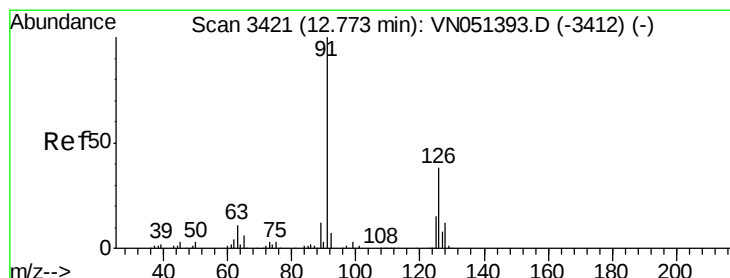
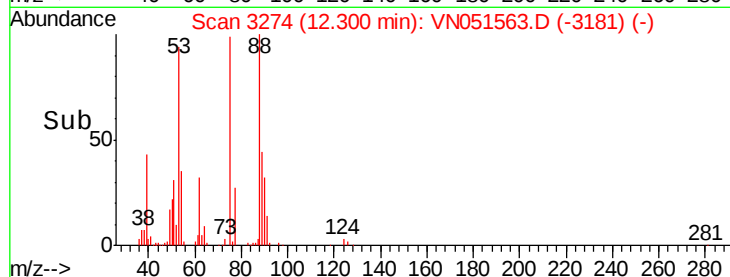
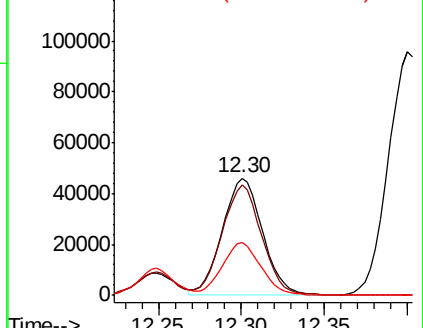
89 43.6 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.502 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051563.D

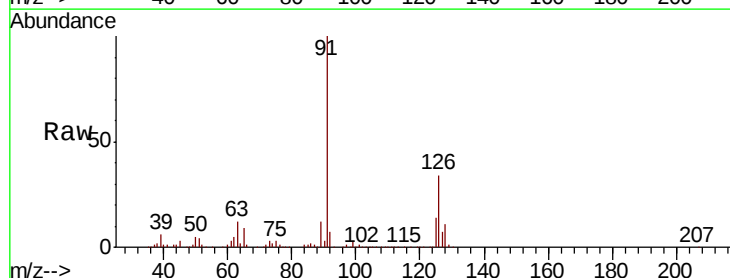
Acq: 27 Sep 2018 4:44

Tgt Ion: 91 Resp: 872609

Ion Ratio Lower Upper

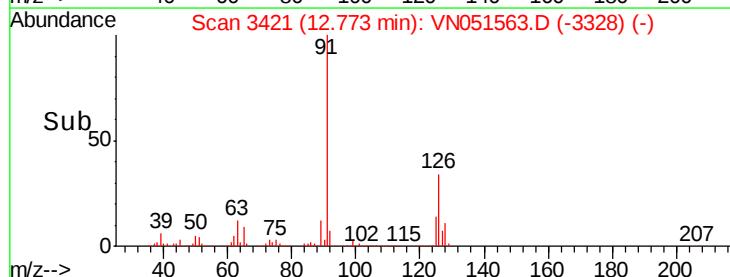
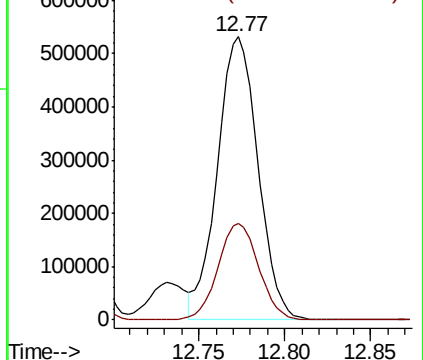
91 100

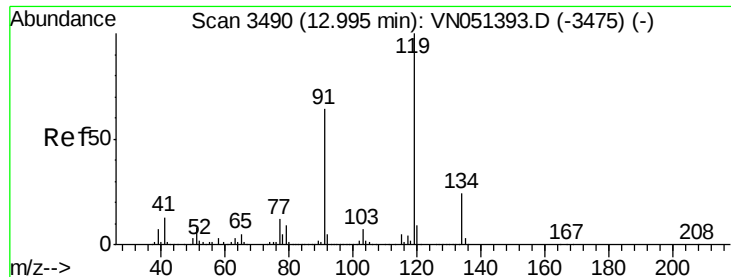
126 34.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

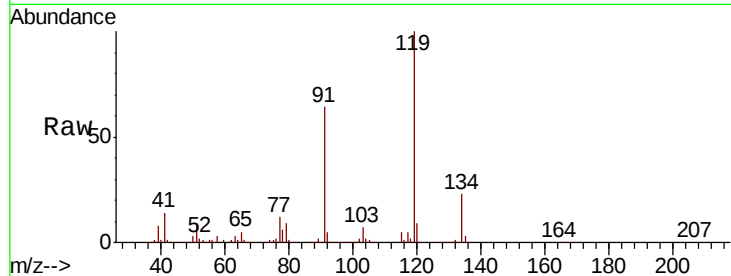




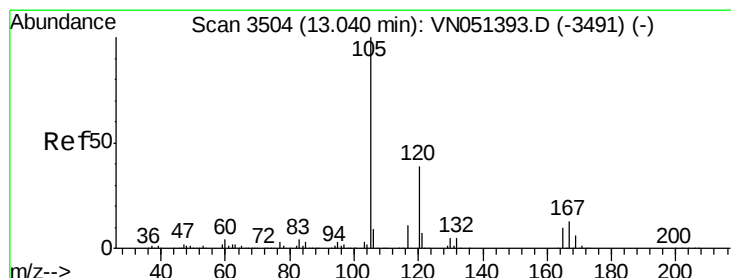
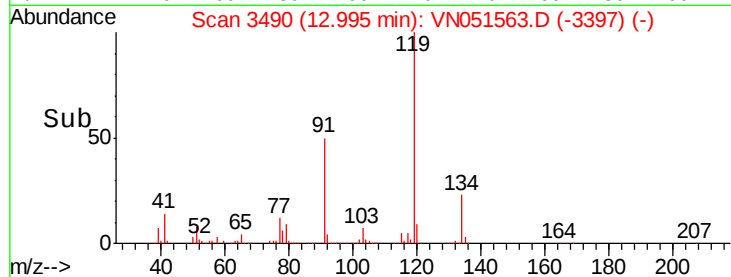
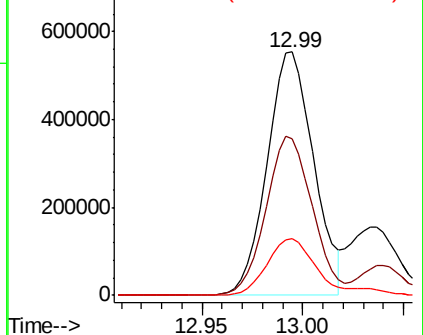
#83
 tert-Butylbenzene
 Concen: 45.859 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 889334
 Ion Ratio Lower Upper
 119 100
 91 64.7 31.7 95.1
 134 25.8 12.3 36.9

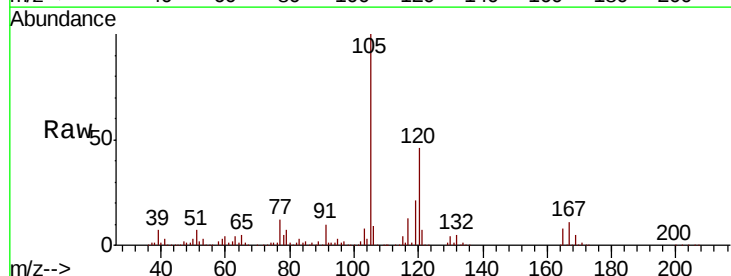


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

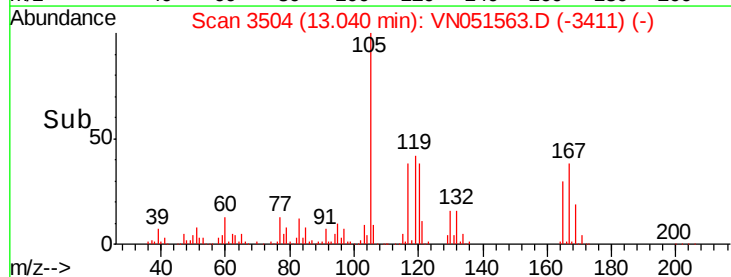
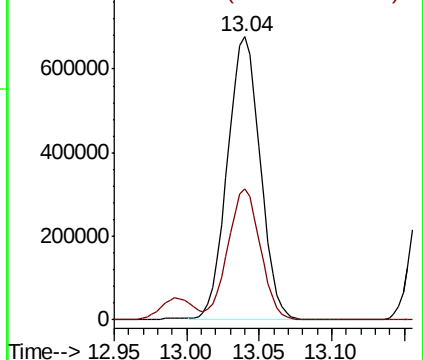


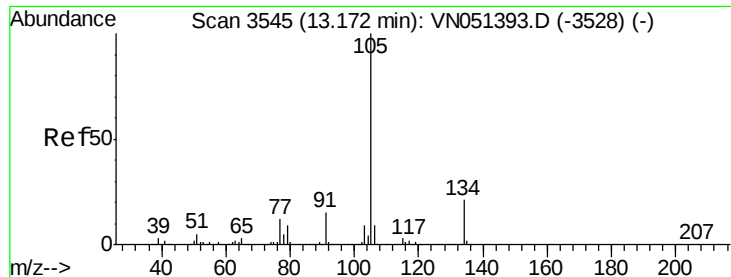
#84
 1,2,4-Trimethylbenzene
 Concen: 48.496 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion:105 Resp: 1064727
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 46.558 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

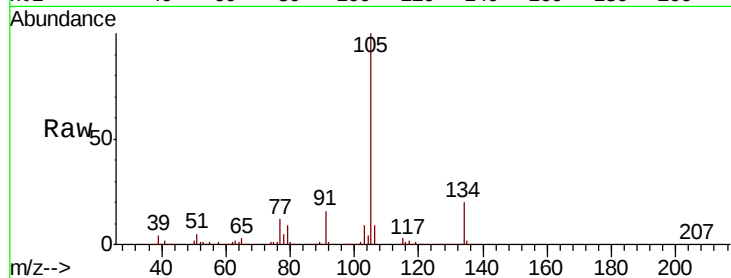
VSTDCCC050

Tot Ion:105 Resp: 1221453

Ion Ratio Lower Upper

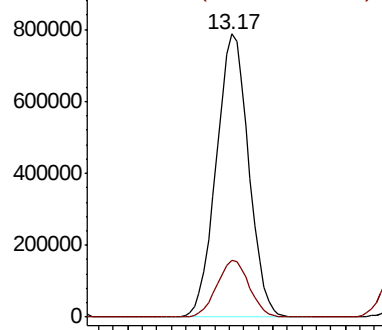
105 100

134 20.1 10.4 31.1

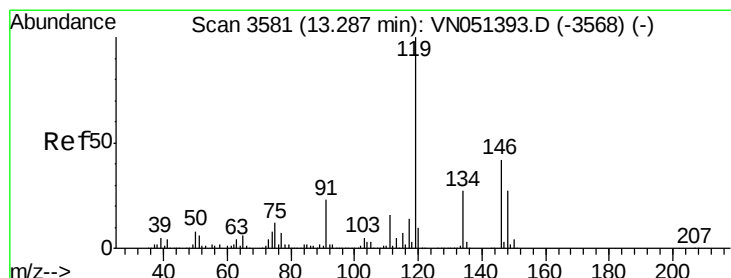
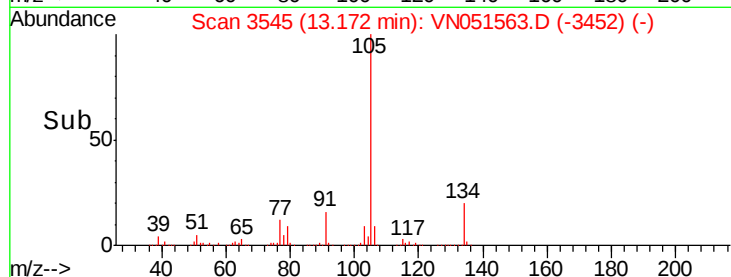


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 47.086 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

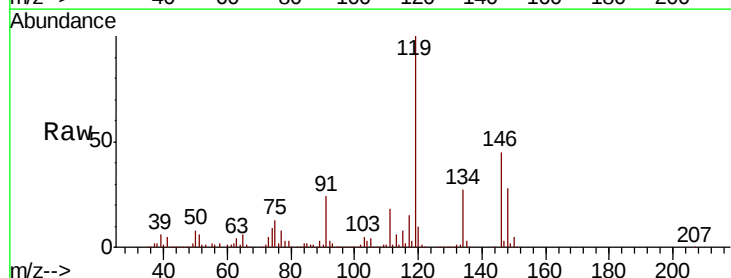
Tgt Ion:119 Resp: 1068908

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

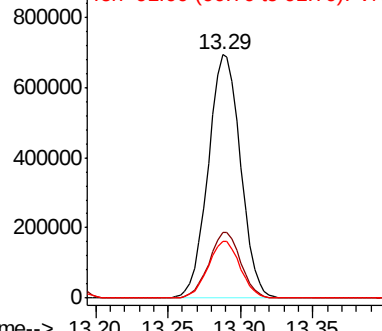
91 23.2 11.4 34.2



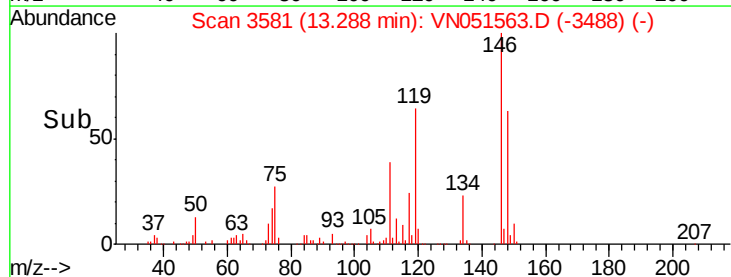
Abundance Ion 119.00 (118.70 to 119.70): V

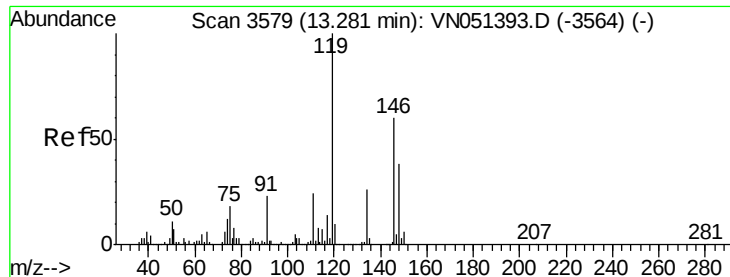
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 48.150 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

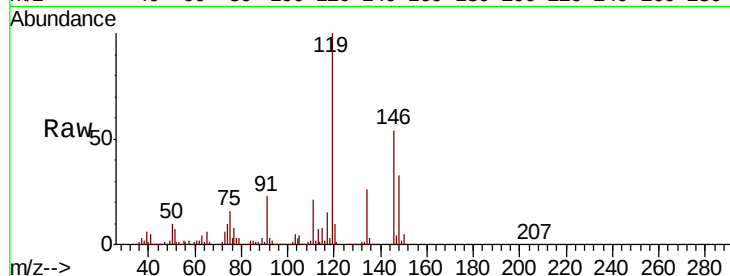
Tot Ion:146 Resp: 563618

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.1

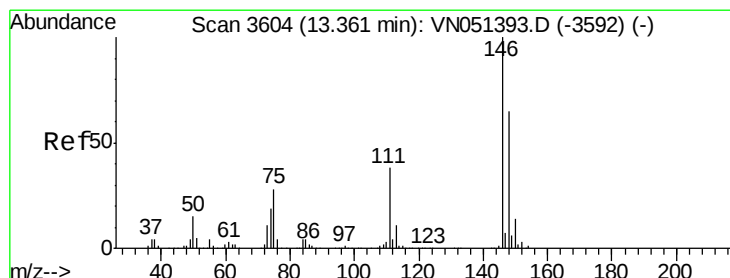
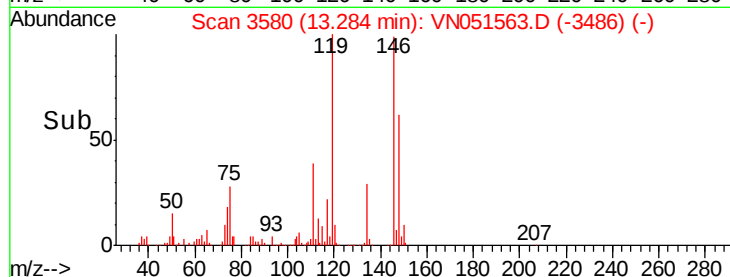
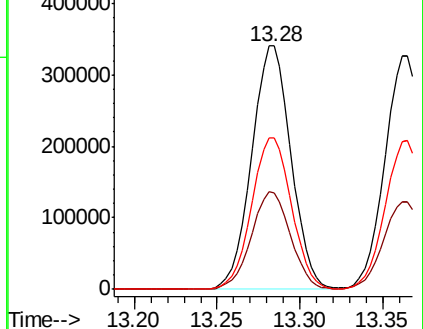
148 62.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.906 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

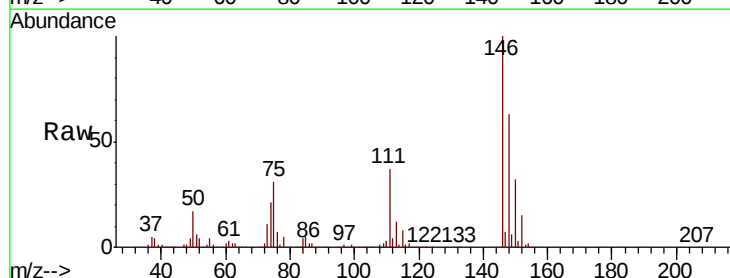
Tgt Ion:146 Resp: 539551

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

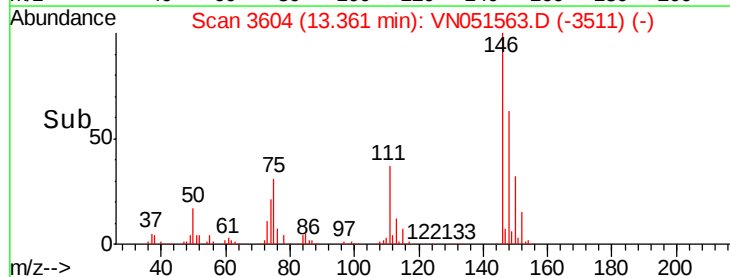
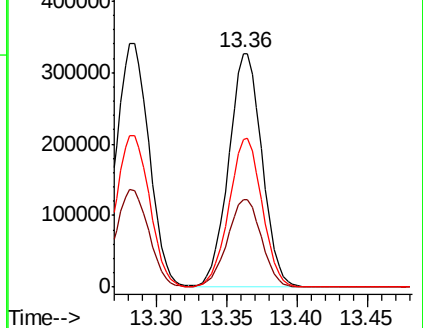
148 63.5 32.5 97.5

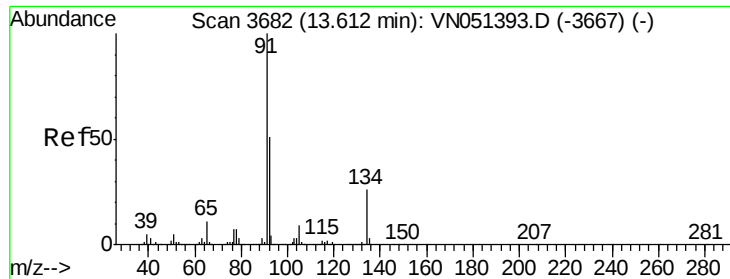


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

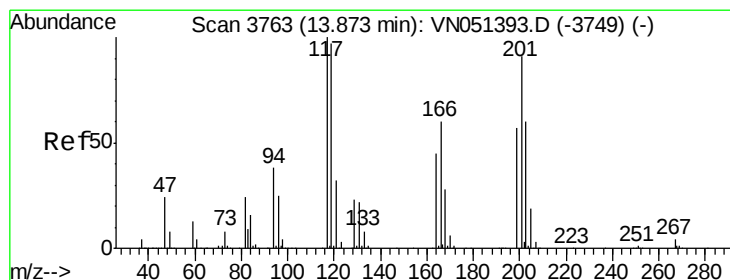
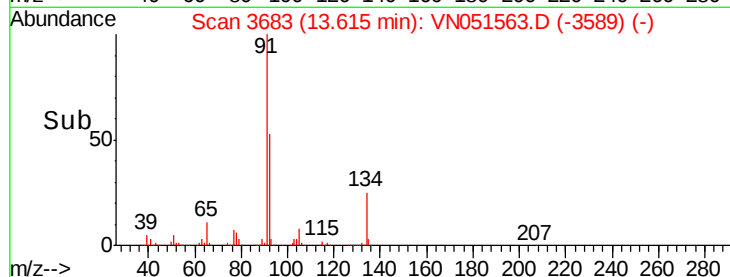
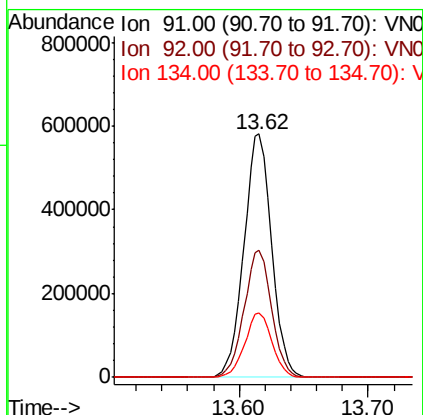
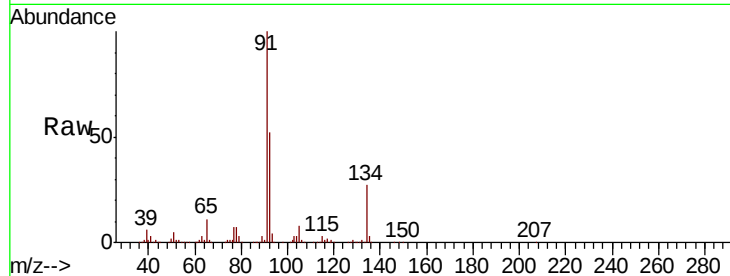




#89
n-Butylbenzene
Concen: 46.487 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

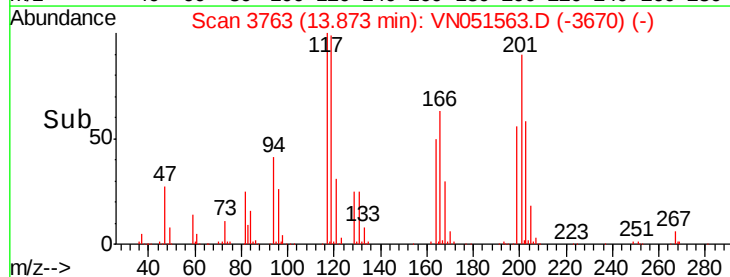
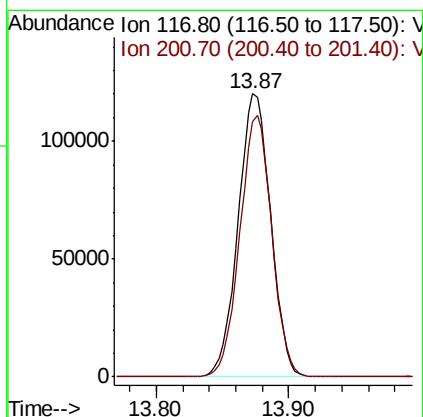
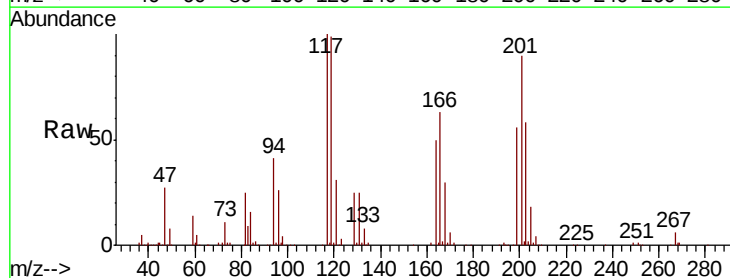
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 867798
Ion Ratio Lower Upper
91 100
92 51.7 25.5 76.5
134 26.1 13.3 39.8



#90
Hexachloroethane
Concen: 45.340 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051563.D
Acq: 27 Sep 2018 4:44

Tgt Ion: 117 Resp: 205079
Ion Ratio Lower Upper
117 100
201 90.2 45.5 136.4

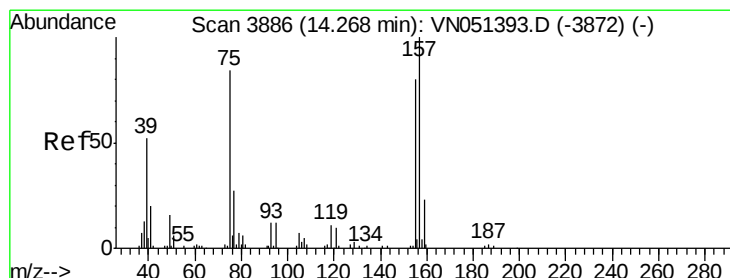
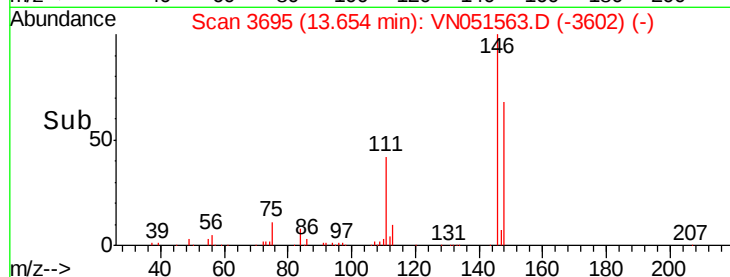
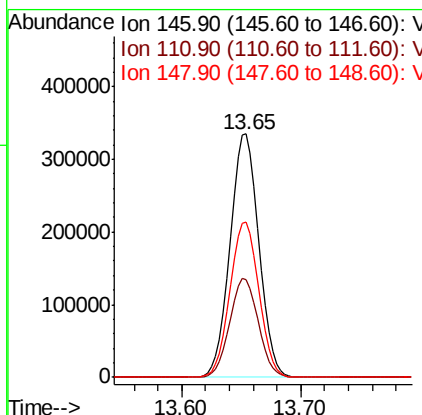
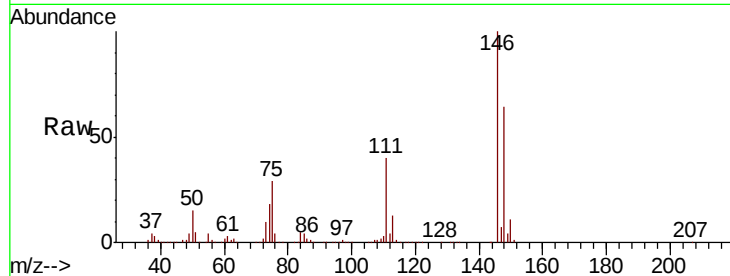




#91
 1,2-Dichlorobenzene
 Concen: 49.365 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

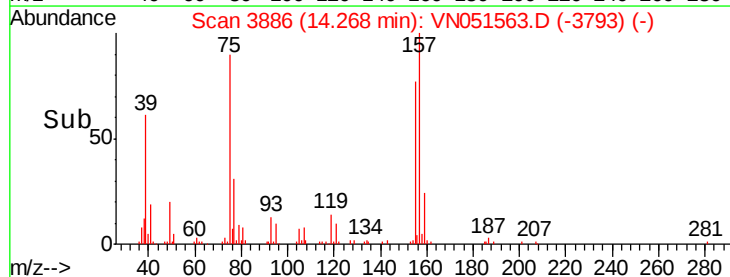
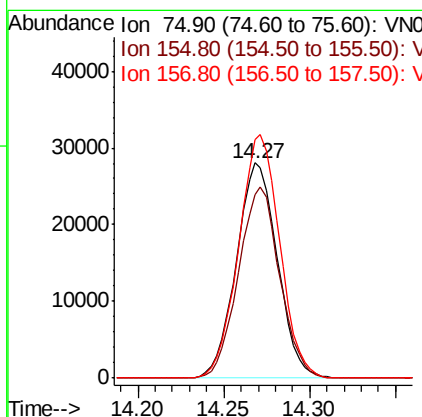
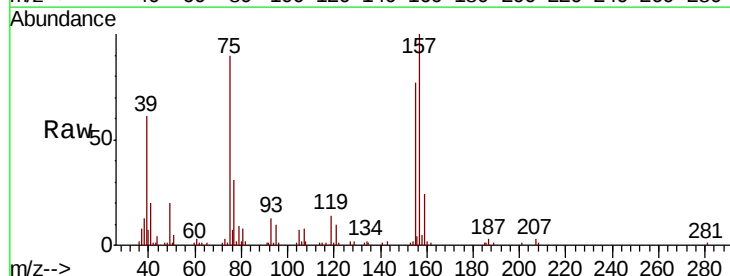
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

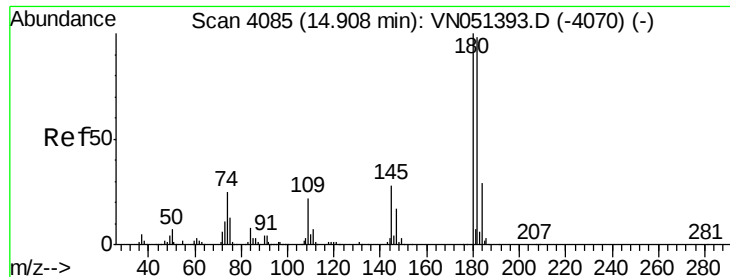
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.2	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.149 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	46.9	140.6
157	113.0	58.4	175.1

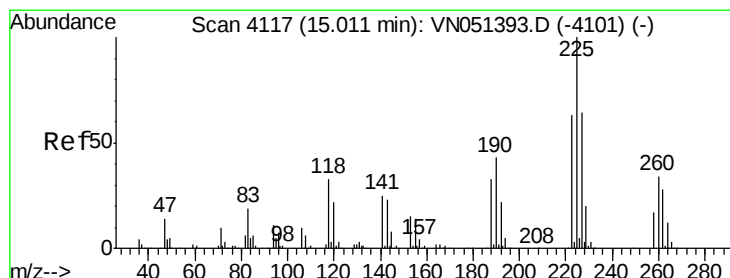
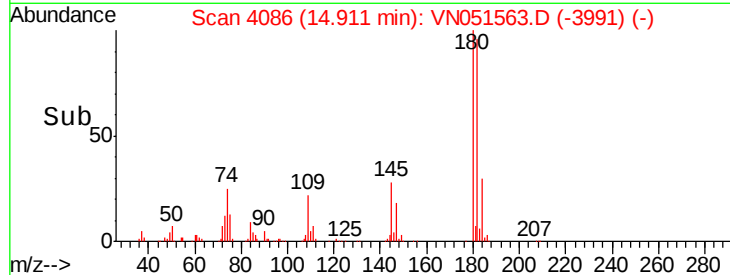
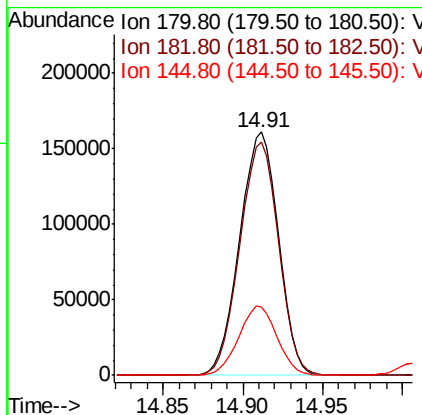
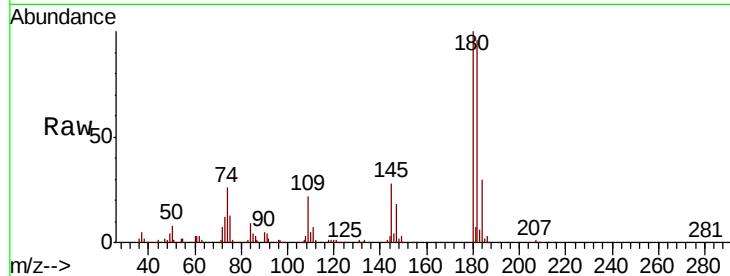




#93
 1,2,4-Trichlorobenzene
 Concen: 44.383 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

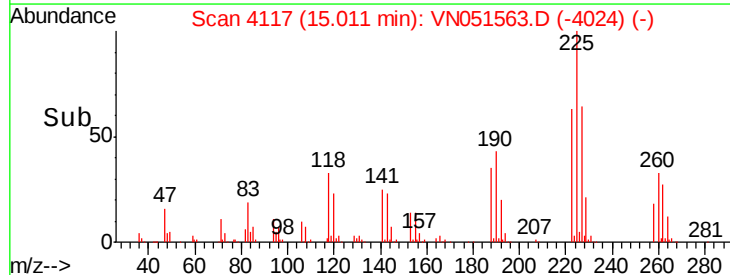
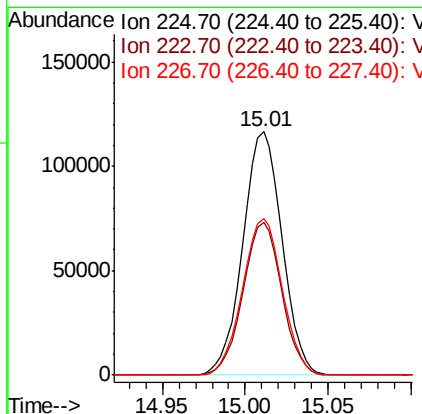
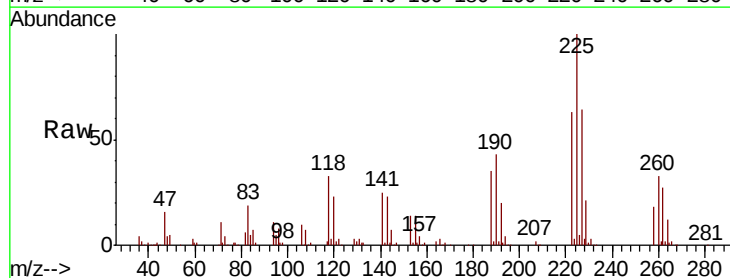
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

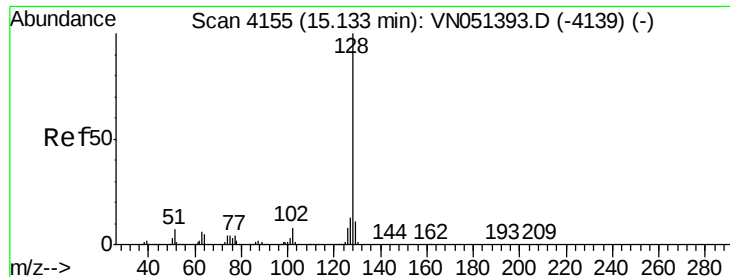
Tot Ion:180 Resp: 267083
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.5 145.6
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 44.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051563.D
 Acq: 27 Sep 2018 4:44

Tgt Ion:225 Resp: 192482
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.9
 227 65.1 32.5 97.5





#95

Naphthalene

Concen: 43.097 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

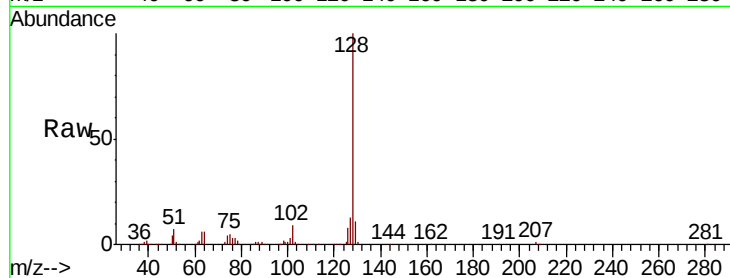
Tot Ion:128 Resp: 491865

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

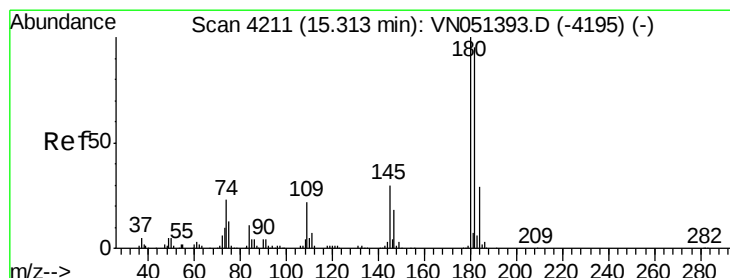
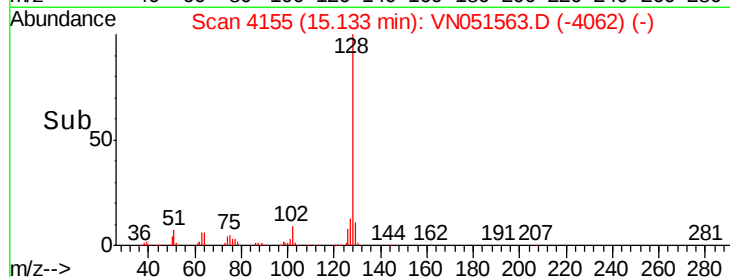
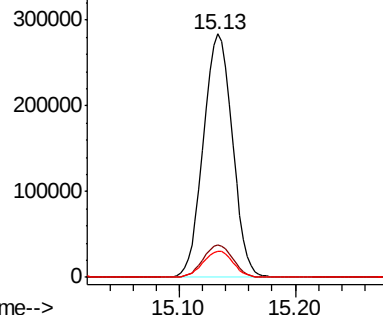
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.000 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051563.D

Acq: 27 Sep 2018 4:44

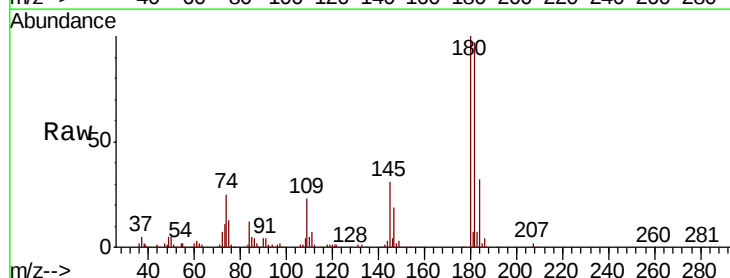
Tgt Ion:180 Resp: 267069

Ion Ratio Lower Upper

180 100

182 95.8 47.2 141.6

145 30.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

