

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051565.D
 Acq On : 27 Sep 2018 5:58
 Operator : MD\SY
 Sample : VN0927WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Quant Time: Sep 27 09:11:25 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	453156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297857	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	311736	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	277059	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.09	98	1001625	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	321974	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	73398	17.361	ug/l	98
3) Chloromethane	2.06	50	113324	16.838	ug/l	97
4) Vinyl Chloride	2.18	62	133985	18.038	ug/l	100
5) Bromomethane	2.57	94	61545	13.869	ug/l	97
6) Chloroethane	2.70	64	62181	13.434	ug/l	100
7) Trichlorofluoromethane	3.01	101	173388	17.821	ug/l	98
8) Diethyl Ether	3.42	74	57575	17.047	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100584	18.318	ug/l	98
10) Methyl Iodide	3.95	142	105563	14.668	ug/l	97
11) Tert butyl alcohol	4.79	59	34724	108.386	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	86050	17.067	ug/l	99
13) Acrolein	3.61	56	22052	69.317	ug/l	95
14) Allyl chloride	4.33	41	152776	18.060	ug/l	98
15) Acrylonitrile	4.99	53	180087	103.333	ug/l	99
16) Acetone	3.82	43	127404	85.129	ug/l	97
17) Carbon Disulfide	4.05	76	233482	15.762	ug/l	100
18) Methyl Acetate	4.33	43	104127	24.085	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	253830	19.523	ug/l	98
20) Methylene Chloride	4.55	84	111886	19.918	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	96322	18.675	ug/l	99
22) Diisopropyl ether	5.96	45	359501	21.986	ug/l	98
23) Vinyl Acetate	5.90	43	1070086	99.682	ug/l	99
24) 1,1-Dichloroethane	5.85	63	208720	21.394	ug/l	100
25) 2-Butanone	6.84	43	195632	100.688	ug/l	100
26) 2,2-Dichloropropane	6.83	77	102806	13.499	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	112148	19.816	ug/l	100
28) Bromochloromethane	7.20	49	99270	22.034	ug/l	94
29) Tetrahydrofuran	7.22	42	134871	109.538	ug/l	95
30) Chloroform	7.37	83	209557	21.677	ug/l	99
31) Cyclohexane	7.65	56	159868	17.885	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	174975	21.172	ug/l	99
36) 1,1-Dichloropropene	7.80	75	139876	17.821	ug/l	100
37) Ethyl Acetate	6.93	43	90918	20.147	ug/l	99
38) Carbon Tetrachloride	7.78	117	154848	18.862	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	144323	15.730	ug/l	93
40) Benzene	8.05	78	445664	19.338	ug/l	98
41) Methacrylonitrile	7.17	41	44301	17.744	ug/l	96
42) 1,2-Dichloroethane	8.13	62	149265	20.228	ug/l	99
43) Isopropyl Acetate	8.17	43	177197	21.715	ug/l	95
44) Trichloroethene	8.84	130	115277	18.833	ug/l	97
45) 1,2-Dichloropropane	9.12	63	129955	20.745	ug/l	98
46) Dibromomethane	9.21	93	70648	19.959	ug/l	98
47) Bromodichloromethane	9.40	83	158826	20.276	ug/l	96
48) Methyl methacrylate	9.20	41	78555	19.309	ug/l	97
49) 1,4-Dioxane	9.20	88	19333	387.738	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	464223	103.440	ug/l	97
52) Toluene	10.16	92	270148	18.862	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	136182	17.221	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	163590	17.838	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104810	20.707	ug/l	97
56) Ethyl methacrylate	10.43	69	114955	18.576	ug/l	98
57) 1,3-Dichloropropane	10.71	76	174196	20.079	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	293550	100.879	ug/l	97
59) 2-Hexanone	10.75	43	279548	96.087	ug/l	95
60) Dibromochloromethane	10.90	129	114492	19.171	ug/l	100
61) 1,2-Dibromoethane	11.01	107	93833	19.096	ug/l	99
64) Tetrachloroethene	10.63	164	111974	20.786	ug/l	98
65) Chlorobenzene	11.44	112	286981	18.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	118014	20.340	ug/l	99
67) Ethyl Benzene	11.51	91	467067	18.198	ug/l	99
68) m/p-Xylenes	11.62	106	368036	37.072	ug/l	99
69) o-Xylene	11.95	106	176089	18.451	ug/l	97
70) Styrene	11.97	104	281617	18.622	ug/l	99
71) Bromoform	12.13	173	74216	18.851	ug/l #	99
73) Isopropylbenzene	12.25	105	473216	18.830	ug/l	99
74) N-amyl acetate	12.07	43	119512	18.953	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	123489	21.072	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	143032	28.927	ug/l #	100
77) Bromobenzene	12.53	156	118076	18.560	ug/l	95
78) n-propylbenzene	12.59	91	530955	18.746	ug/l	98
79) 2-Chlorotoluene	12.68	91	330557	19.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	393894	19.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25755	16.016	ug/l	94
82) 4-Chlorotoluene	12.77	91	322179	19.039	ug/l	98
83) tert-Butylbenzene	12.99	119	346738	19.010	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	398911	19.318	ug/l	100
85) sec-Butylbenzene	13.17	105	467638	18.952	ug/l	100
86) p-Isopropyltoluene	13.29	119	392898	18.402	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	208071	18.899	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	195404	18.446	ug/l	99
89) n-Butylbenzene	13.62	91	295584	16.835	ug/l	99
90) Hexachloroethane	13.87	117	81886	19.248	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	207911	19.463	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18362	21.955	ug/l	86

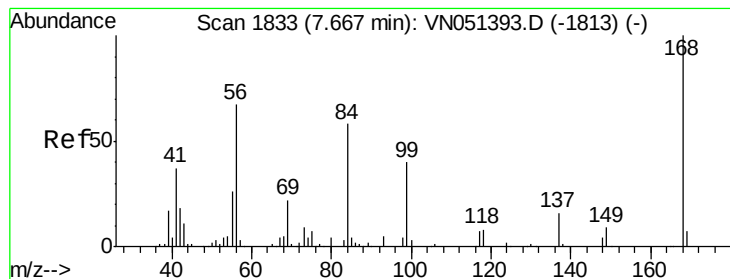
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75581	17.536	ug/l	99
94) Hexachlorobutadiene	15.01	225	73615	18.214	ug/l	98
95) Naphthalene	15.13	128	131056	17.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	82229	16.040	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

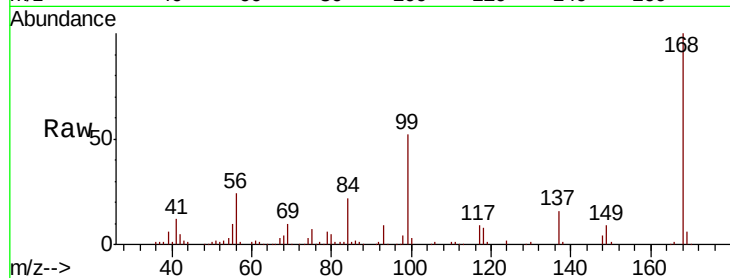
VN0927WBS02

Tot Ion:168 Resp: 453156

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

200000

150000

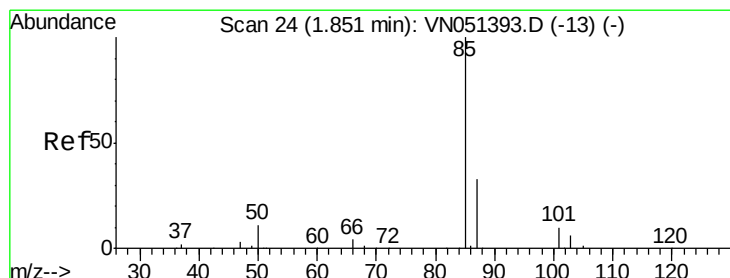
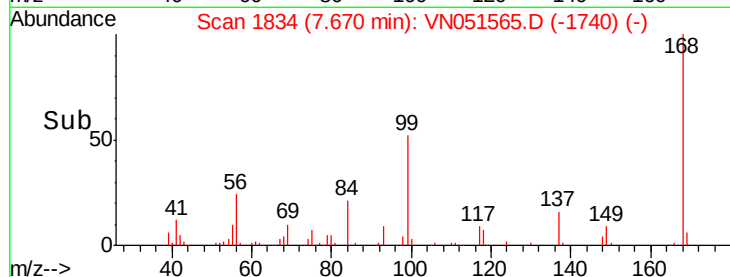
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 17.361 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051565.D

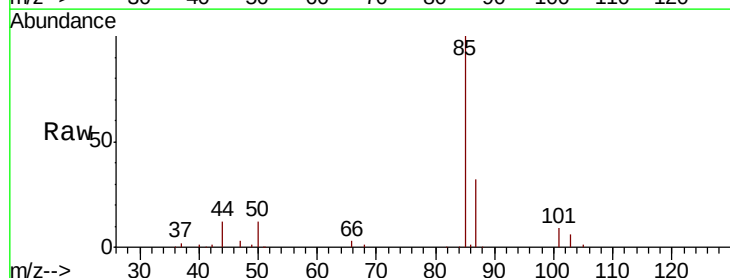
Acq: 27 Sep 2018 5:58

Tgt Ion: 85 Resp: 73398

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

60000

50000

40000

30000

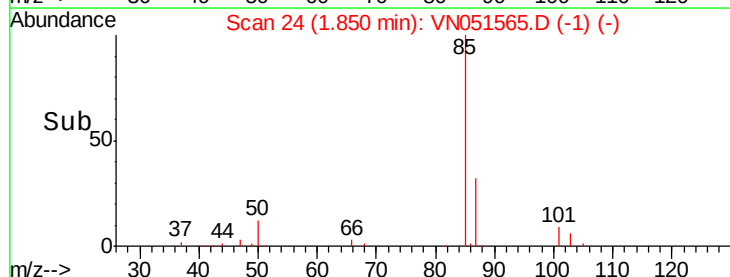
20000

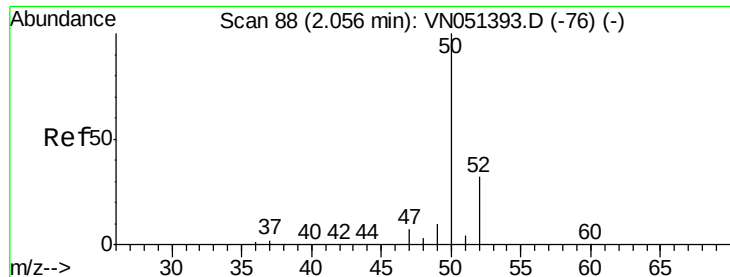
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.838 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

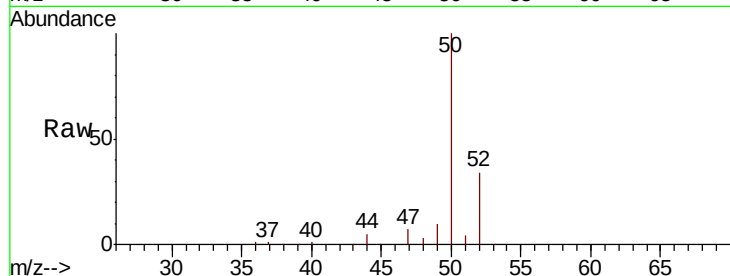
VN0927WBS02

Tot Ion: 50 Resp: 113324

Ion Ratio Lower Upper

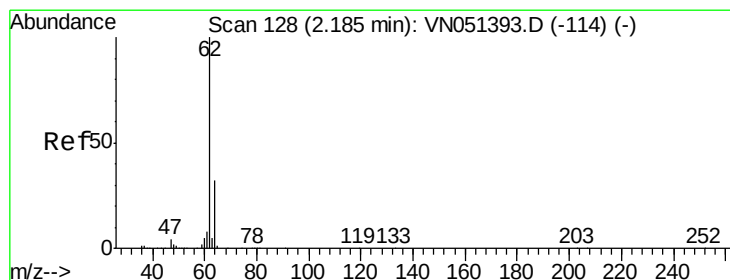
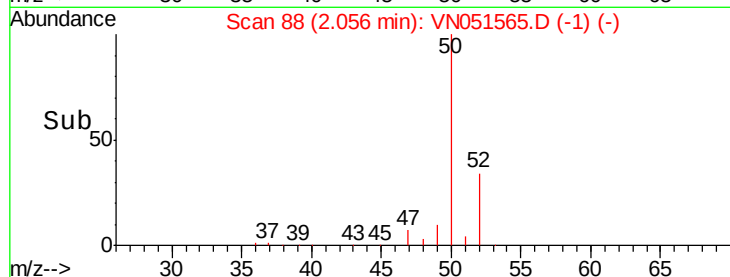
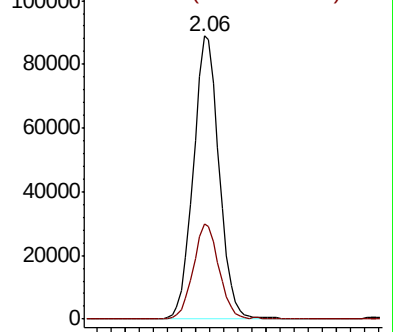
50 100

52 33.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.038 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051565.D

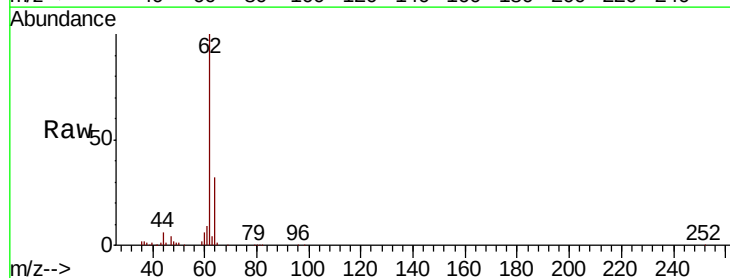
Acq: 27 Sep 2018 5:58

Tgt Ion: 62 Resp: 133985

Ion Ratio Lower Upper

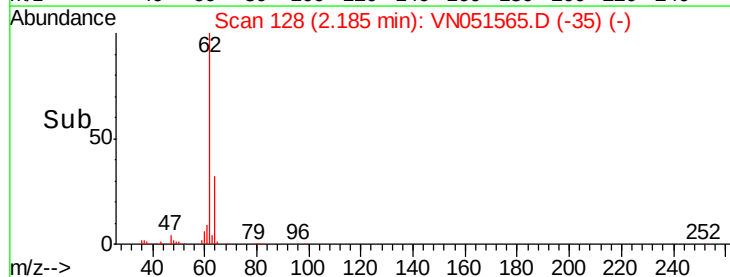
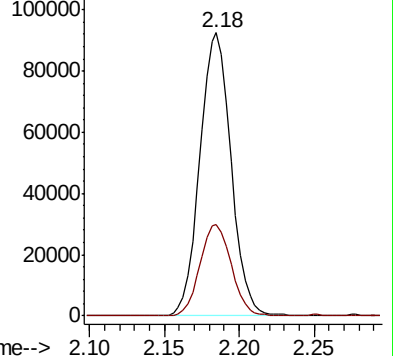
62 100

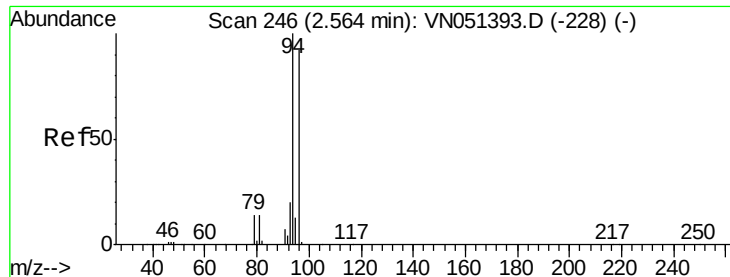
64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.869 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

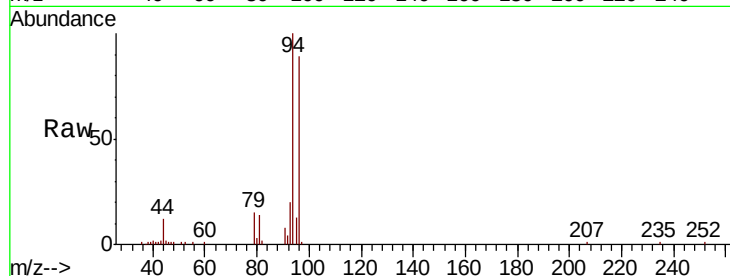
VN0927WBS02

Tot Ion: 94 Resp: 61545

Ion Ratio Lower Upper

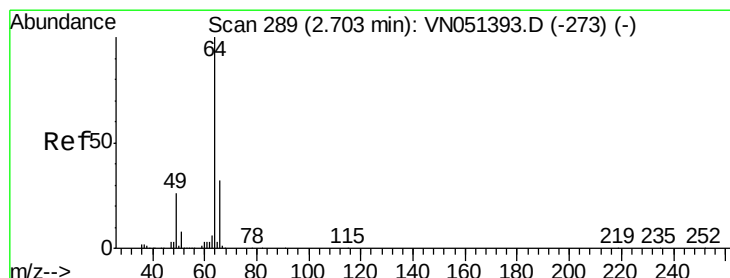
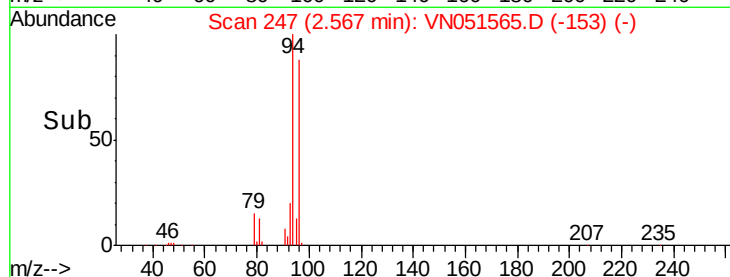
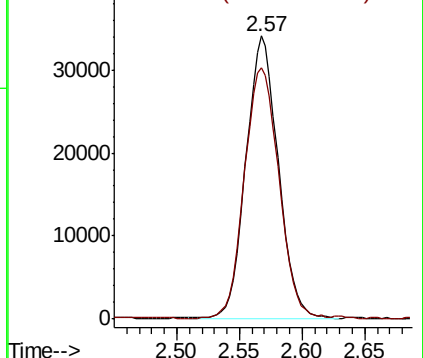
94 100

96 88.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 13.434 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051565.D

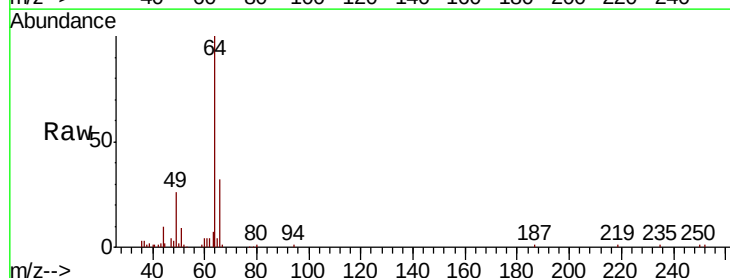
Acq: 27 Sep 2018 5:58

Tgt Ion: 64 Resp: 62181

Ion Ratio Lower Upper

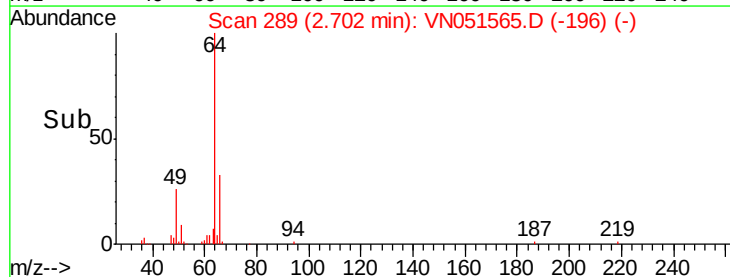
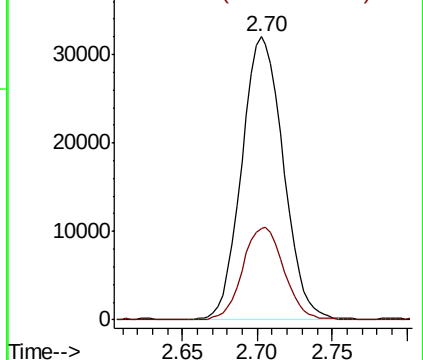
64 100

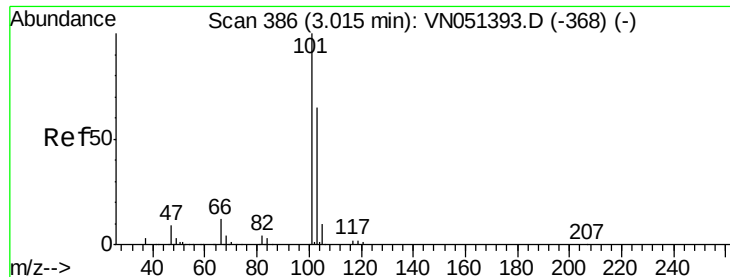
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



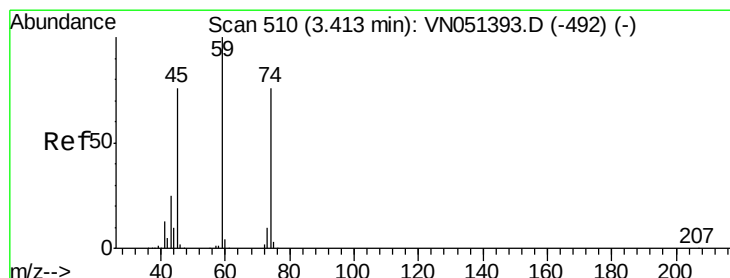
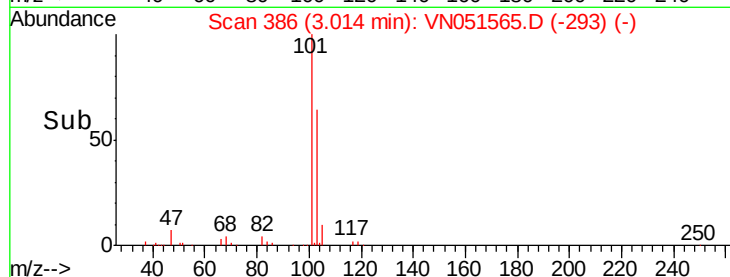
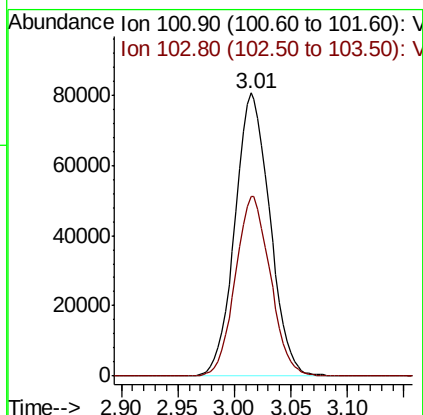
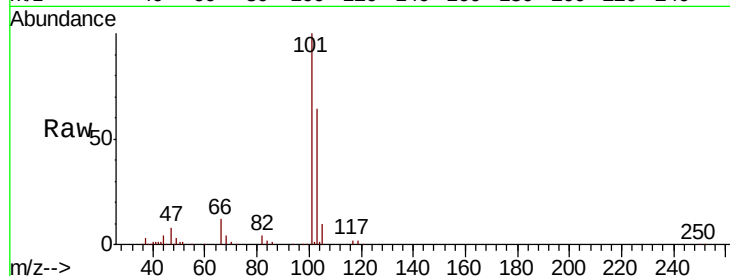


#7

Trichlorofluoromethane
 Concen: 17.821 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
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 VN0927WBS02

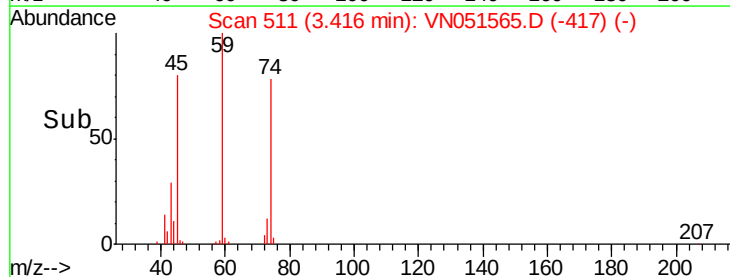
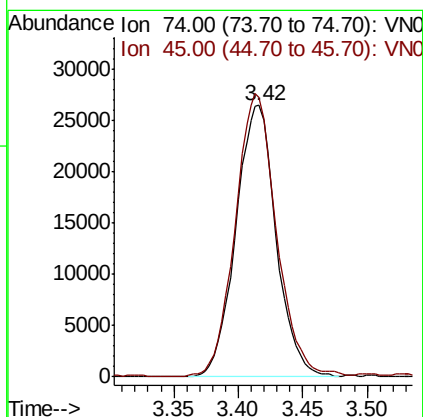
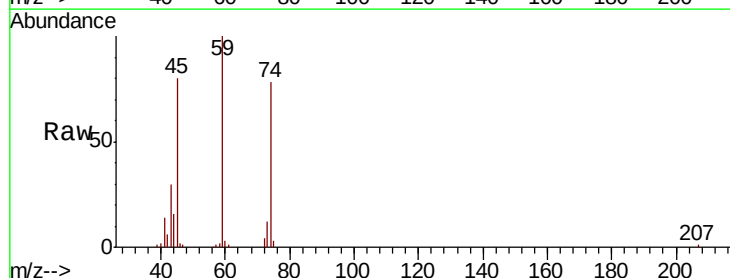
Tot Ion:101 Resp: 173388
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.8 77.8

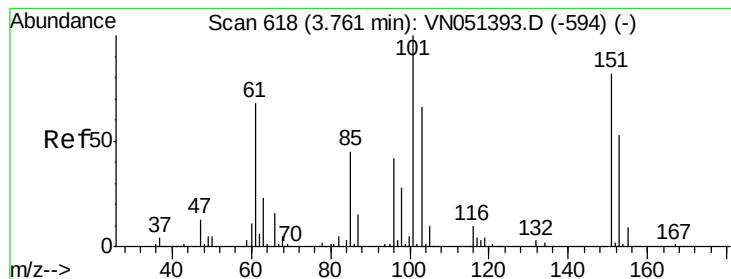


#8

Diethyl Ether
 Concen: 17.047 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion: 74 Resp: 57575
 Ion Ratio Lower Upper
 74 100
 45 107.1 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.318 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

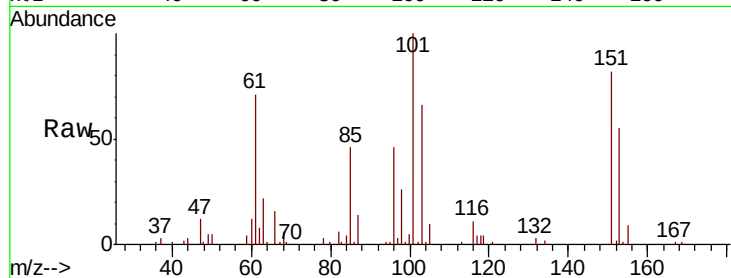
Tot Ion:101 Resp: 100584

Ion Ratio Lower Upper

101 100

85 44.3 33.9 50.9

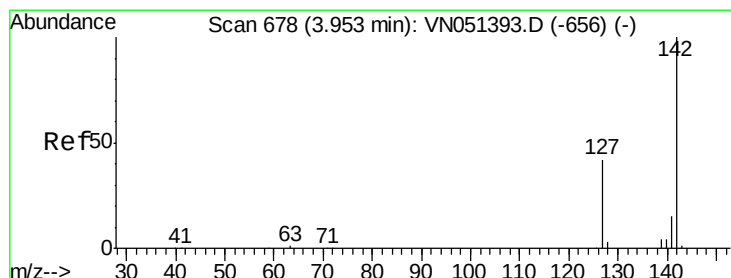
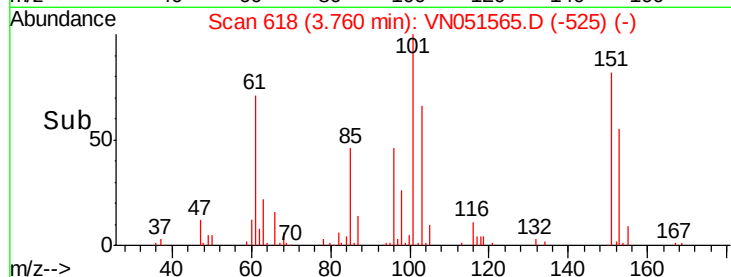
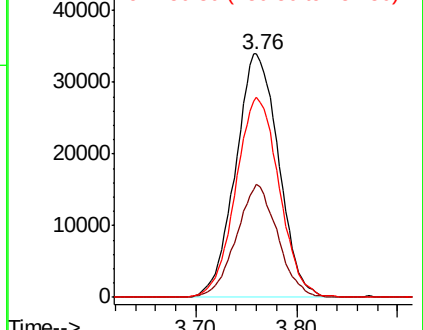
151 82.9 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.668 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

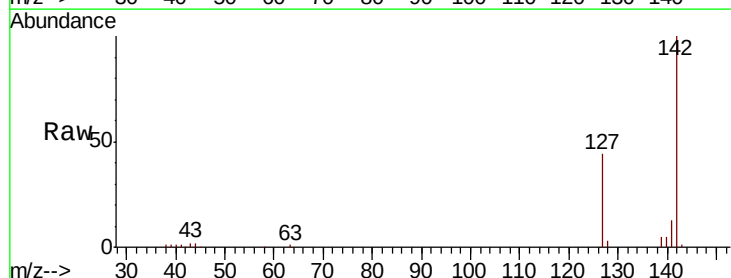
Tgt Ion:142 Resp: 105563

Ion Ratio Lower Upper

142 100

127 44.1 33.2 49.8

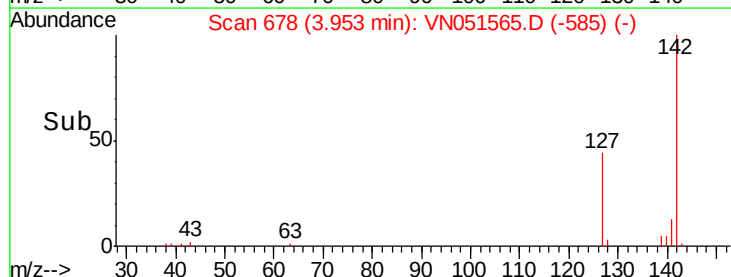
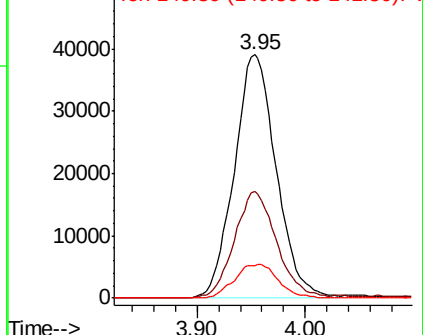
141 14.4 11.5 17.3

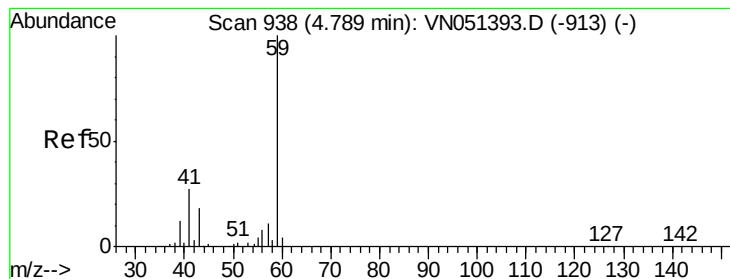


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



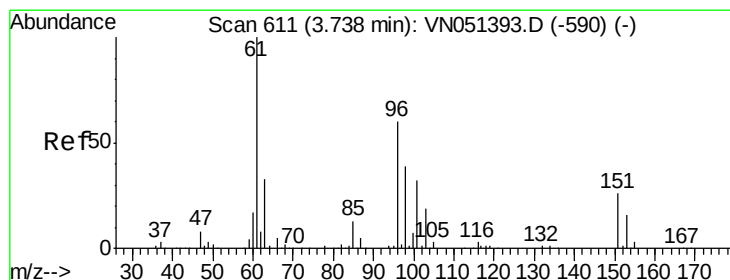
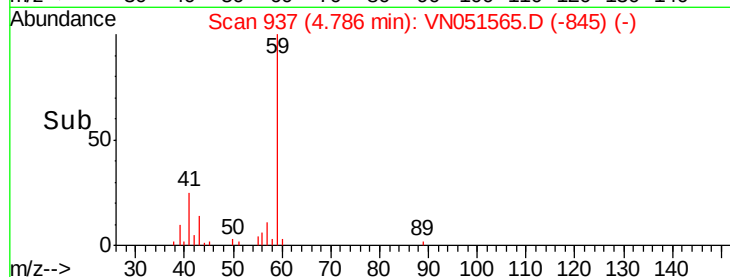
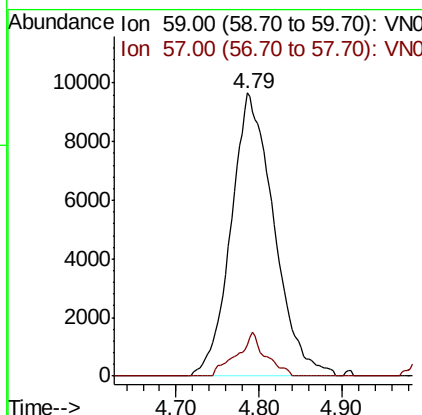
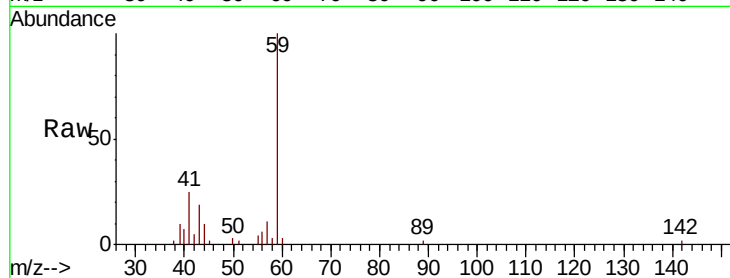


#11

Tert butyl alcohol
 Concen: 108.386 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS02

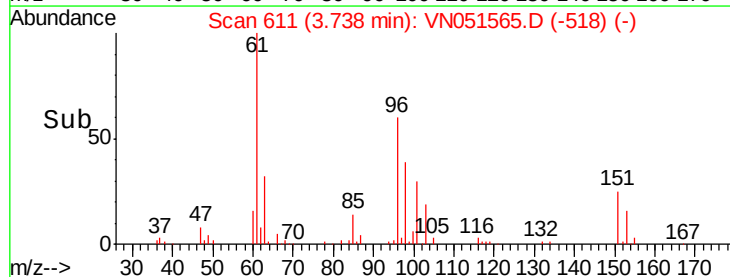
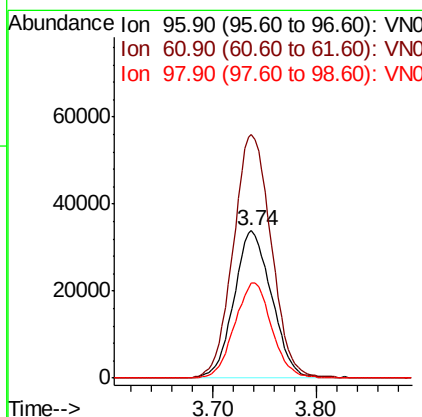
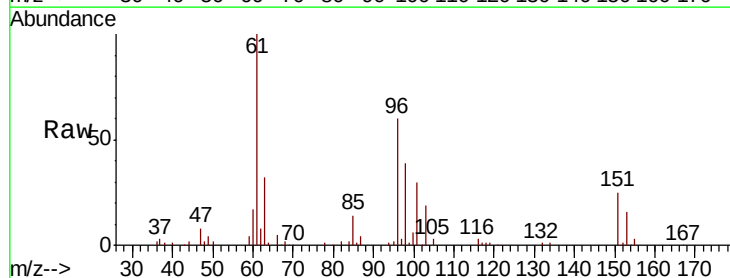
Tot Ion: 59 Resp: 34724
 Ion Ratio Lower Upper
 59 100
 57 10.4 6.2 9.2#

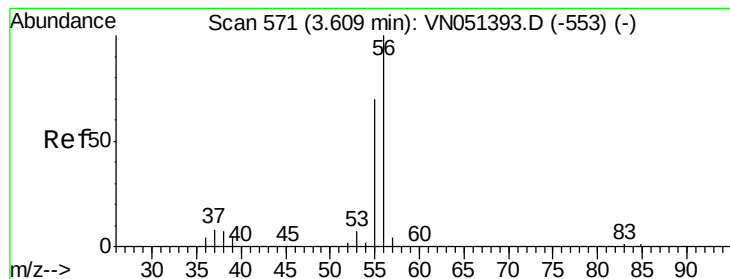


#12

1,1-Dichloroethene
 Concen: 17.067 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion: 96 Resp: 86050
 Ion Ratio Lower Upper
 96 100
 61 165.5 133.6 200.4
 98 64.7 52.2 78.2





#13

Acrolein

Concen: 69.317 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

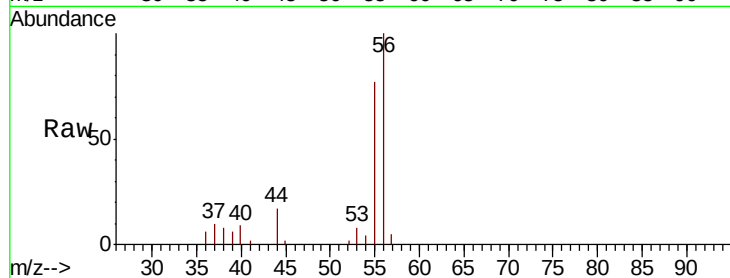
VN0927WBS02

Tot Ion: 56 Resp: 22052

Ion Ratio Lower Upper

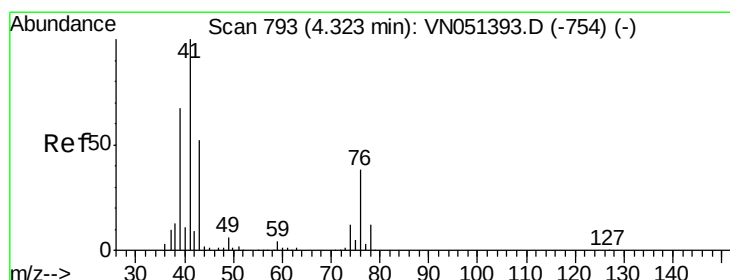
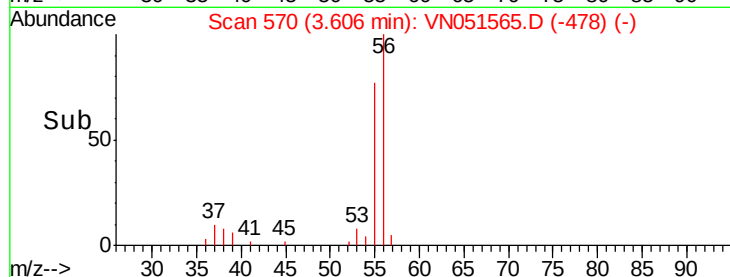
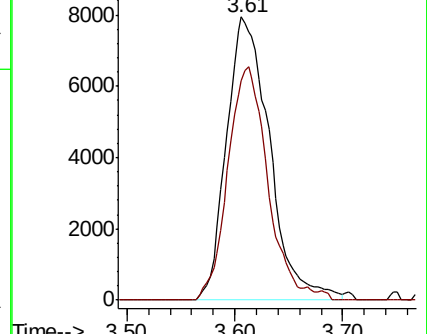
56 100

55 76.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.060 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

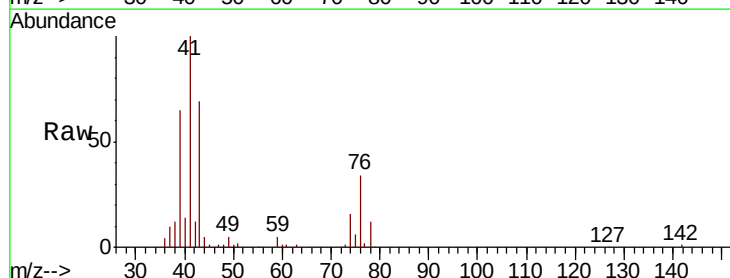
Tgt Ion: 41 Resp: 152776

Ion Ratio Lower Upper

41 100

39 62.7 51.4 77.2

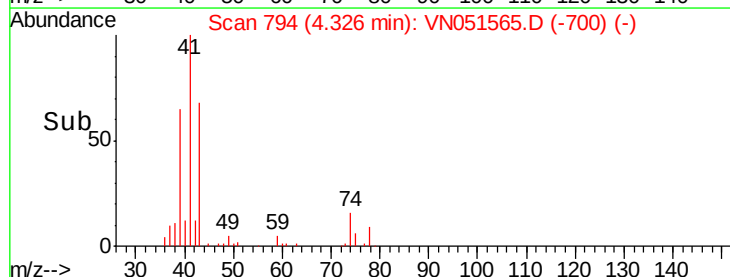
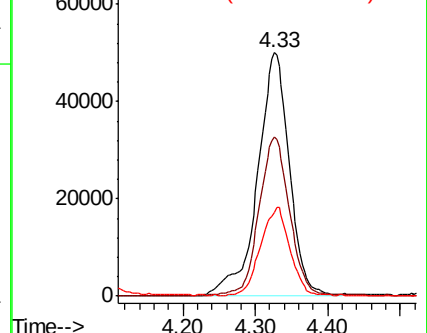
76 34.0 28.1 42.1

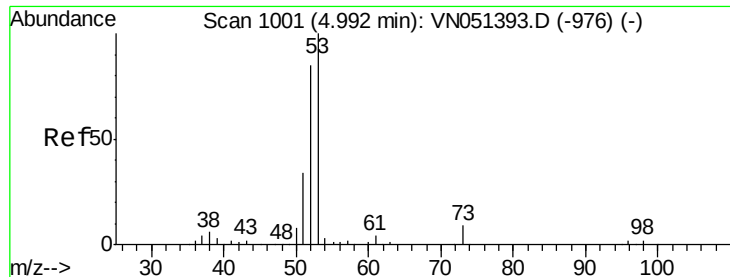


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.333 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

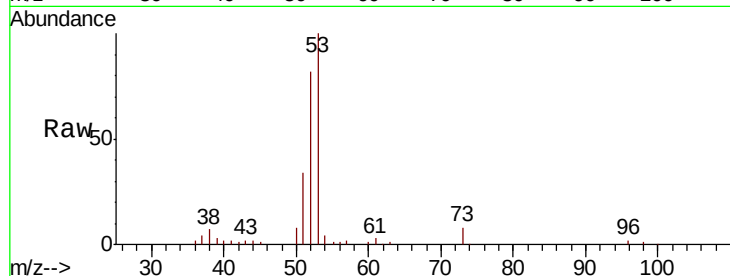
Tot Ion: 53 Resp: 180087

Ion Ratio Lower Upper

53 100

52 81.3 66.2 99.2

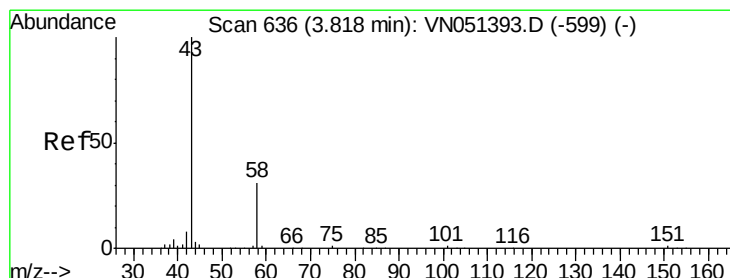
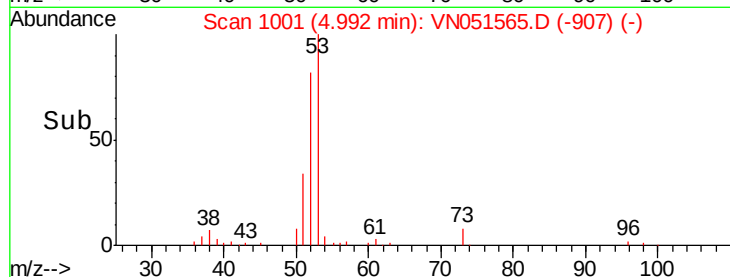
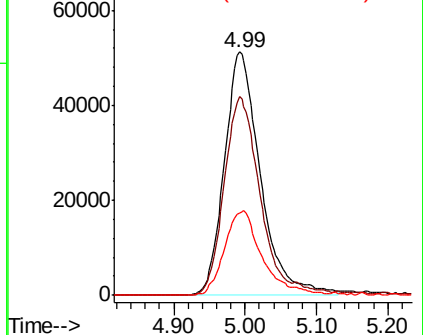
51 36.3 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.129 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051565.D

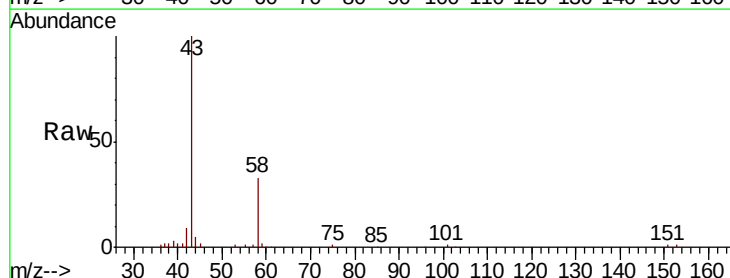
Acq: 27 Sep 2018 5:58

Tgt Ion: 43 Resp: 127404

Ion Ratio Lower Upper

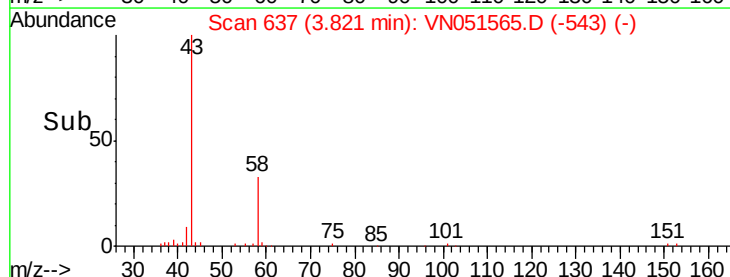
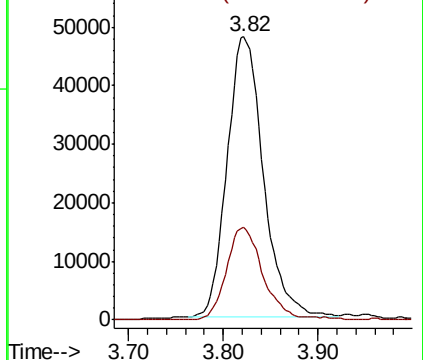
43 100

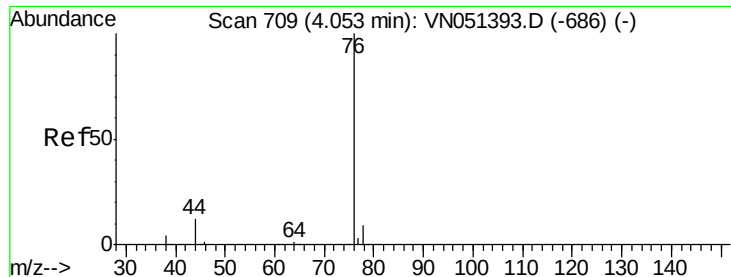
58 32.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

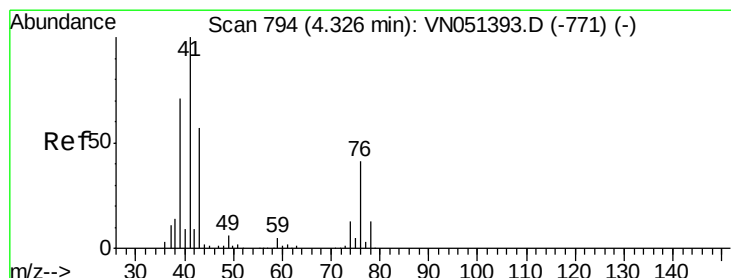
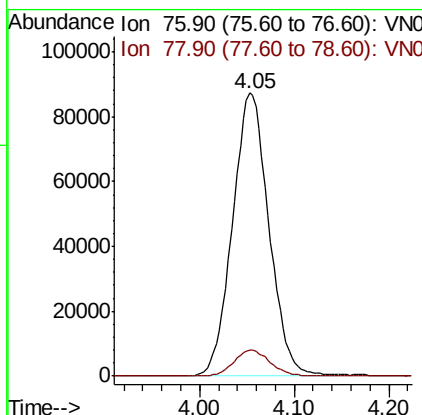
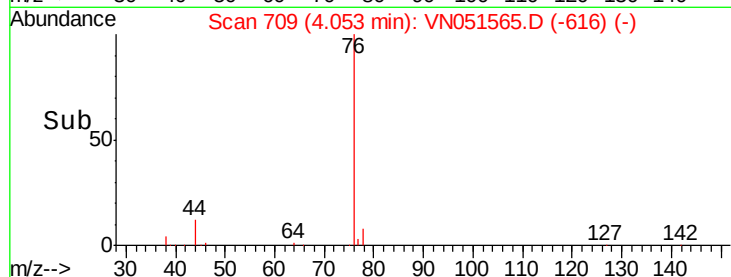
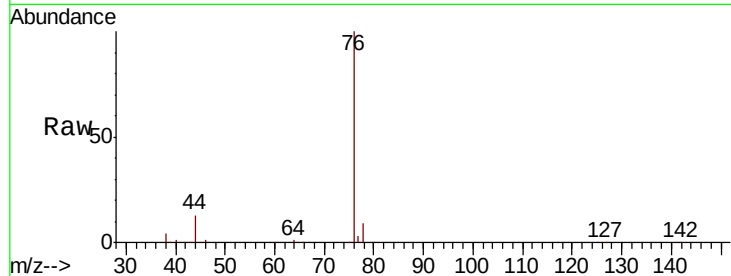




#17
Carbon Disulfide
Concen: 15.762 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

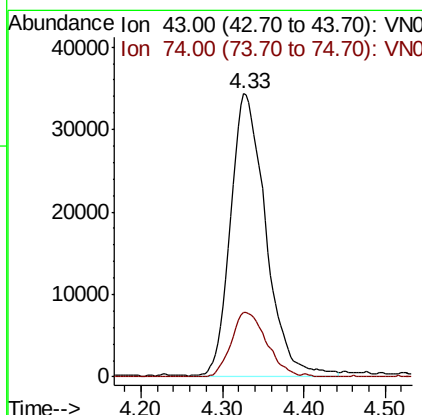
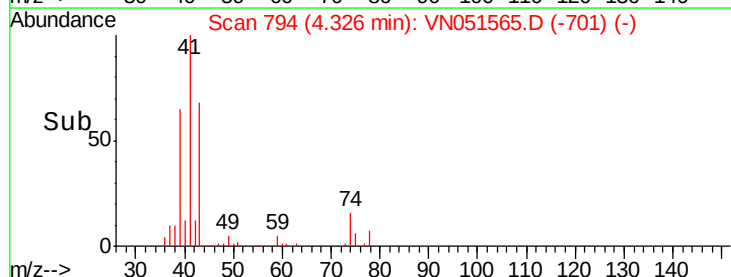
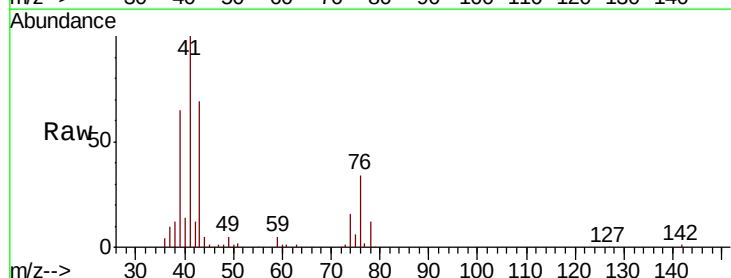
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

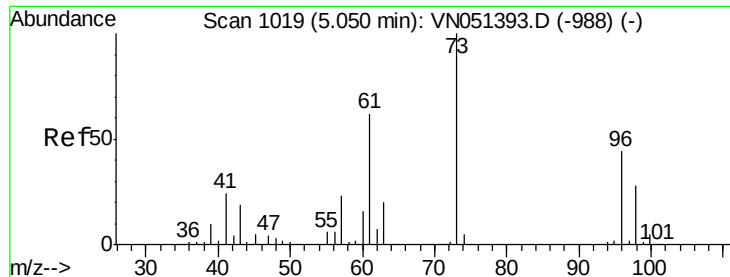
Tot Ion: 76 Resp: 233482
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 24.085 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 43 Resp: 104127
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2

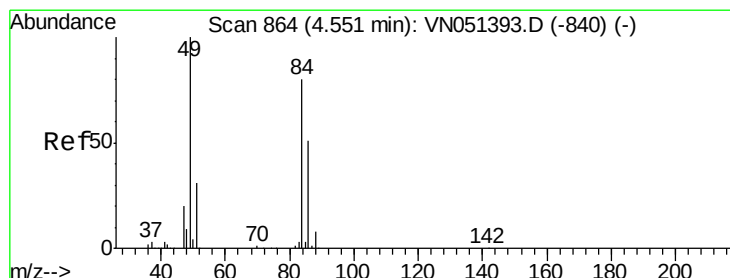
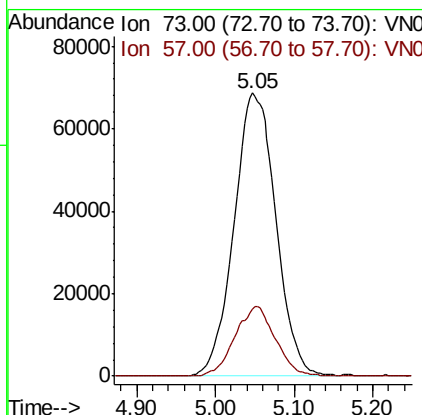
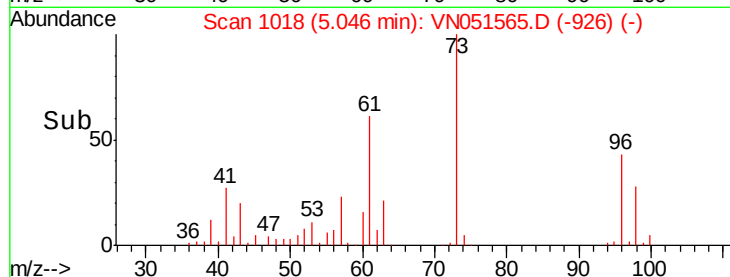
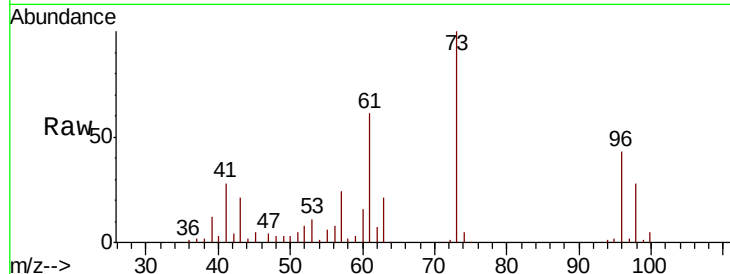




#19
Methyl tert-butyl Ether
Concen: 19.523 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

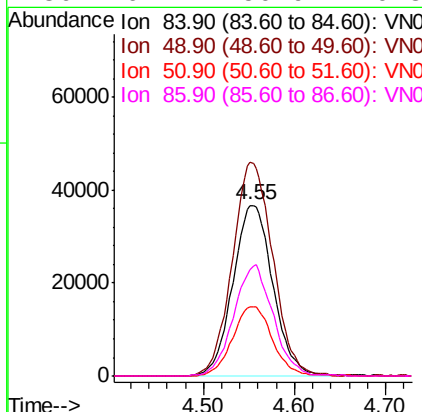
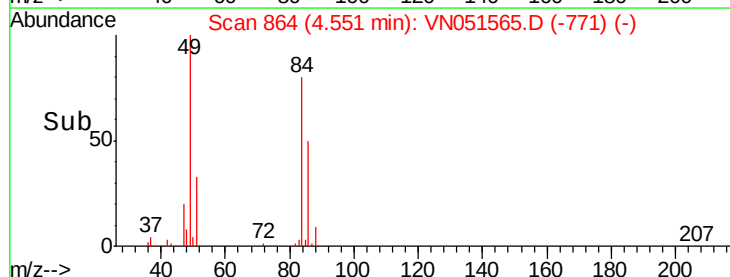
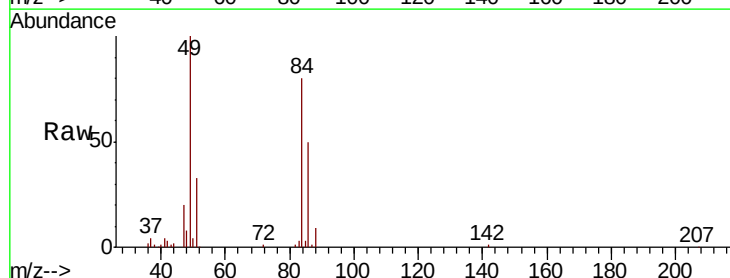
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

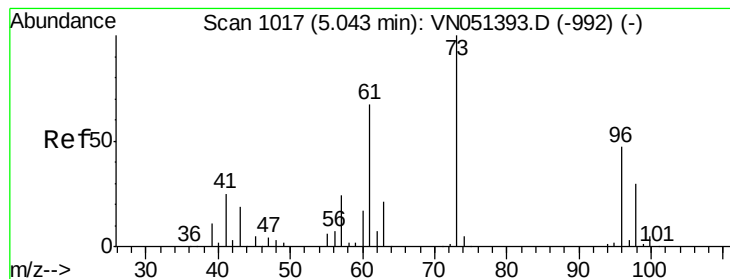
Tot Ion: 73 Resp: 253830
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5



#20
Methylene Chloride
Concen: 19.918 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 84 Resp: 111886
Ion Ratio Lower Upper
84 100
49 125.2 99.9 149.9
51 40.7 31.4 47.2
86 62.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.675 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

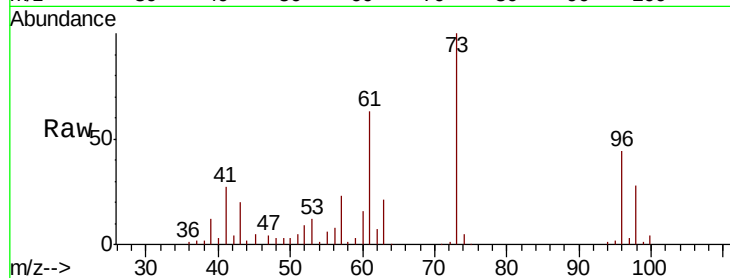
Tot Ion: 96 Resp: 96322

Ion Ratio Lower Upper

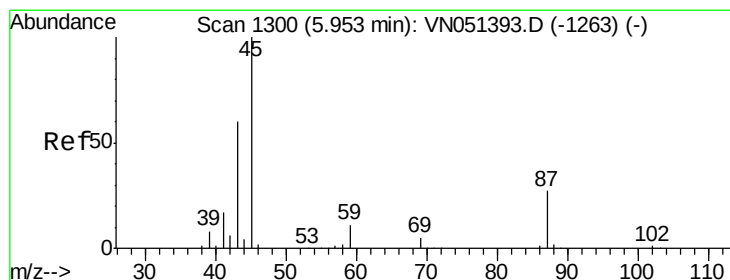
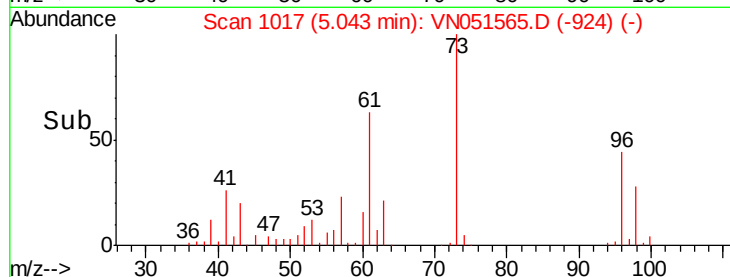
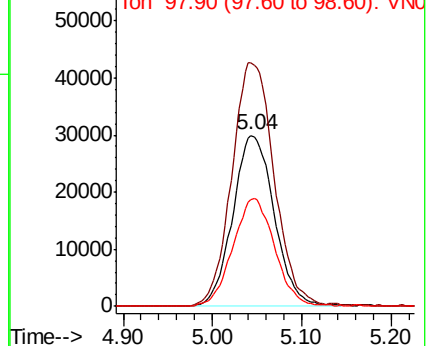
96 100

61 142.6 113.4 170.2

98 62.7 51.1 76.7



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



#22

Diisopropyl ether

Concen: 21.986 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion: 45 Resp: 359501

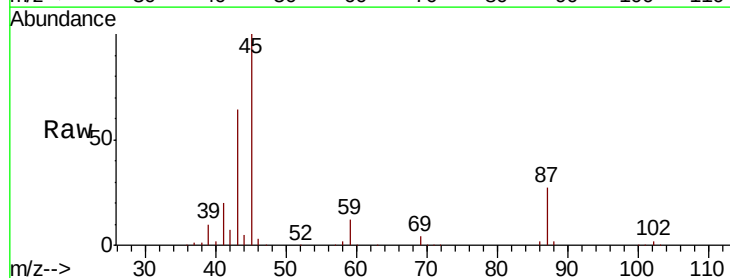
Ion Ratio Lower Upper

45 100

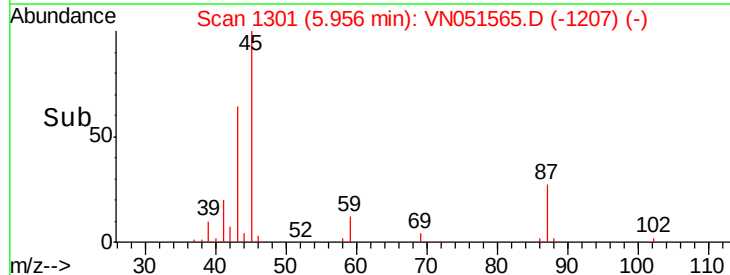
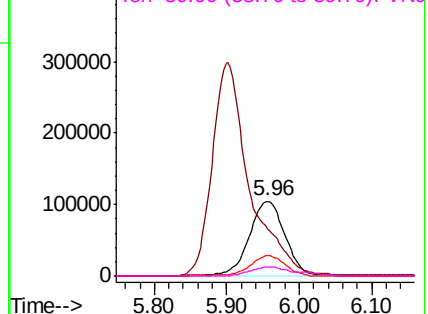
43 61.8 47.7 71.5

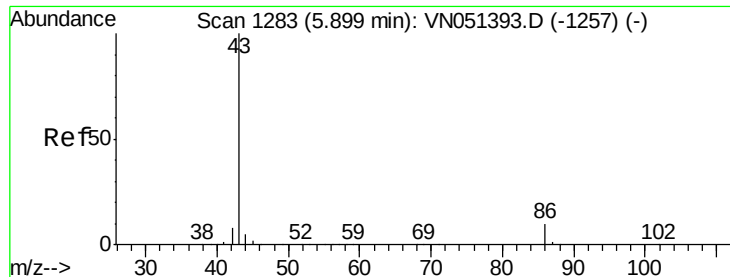
87 26.9 22.0 33.0

59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

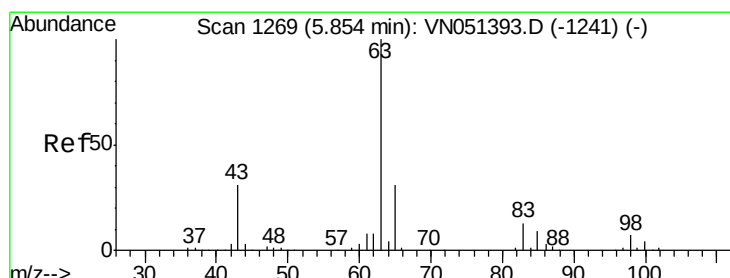
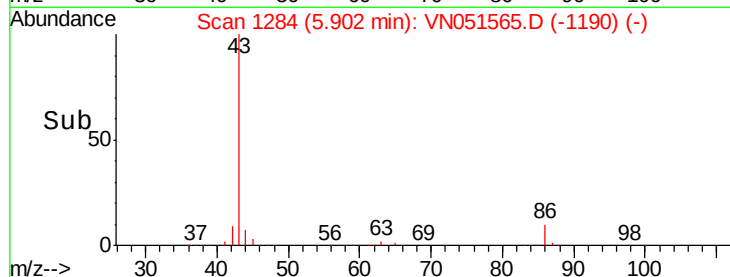
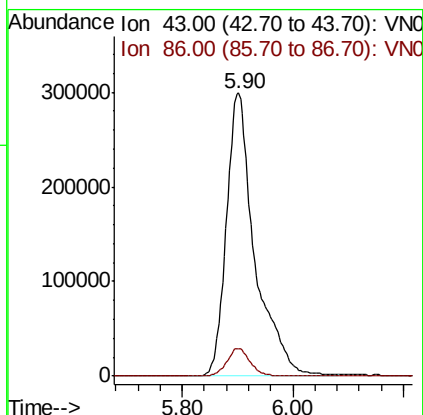
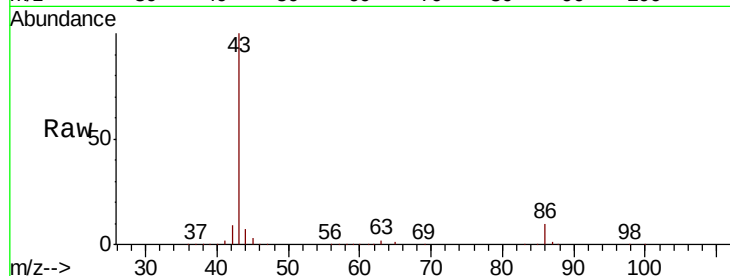




#23
 Vinyl Acetate
 Concen: 99.682 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

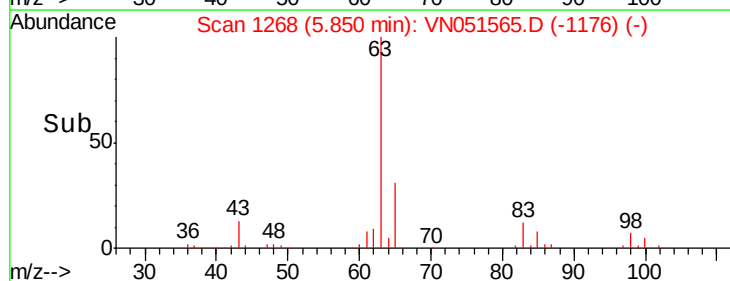
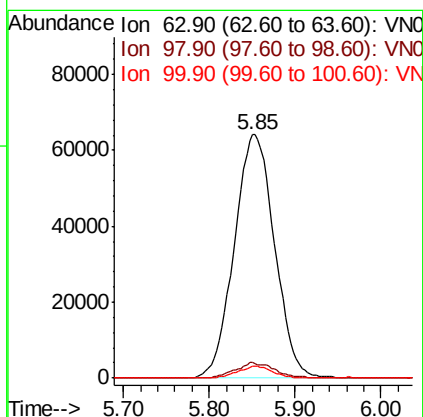
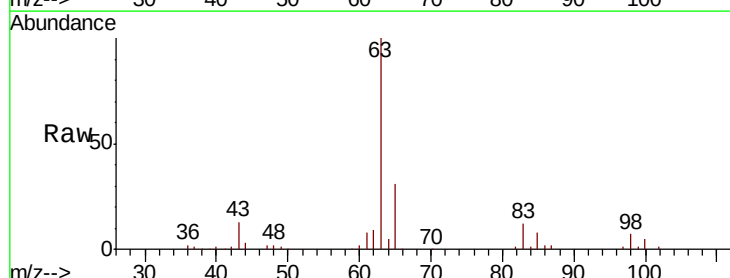
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

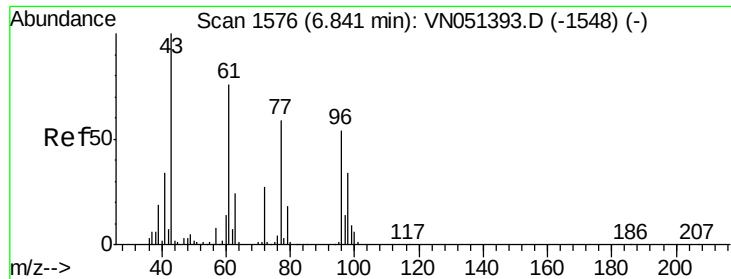
Tot Ion: 43 Resp: 1070086
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 21.394 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion: 63 Resp: 208720
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.7 2.2 6.6





#25

2-Butanone

Concen: 100.688 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

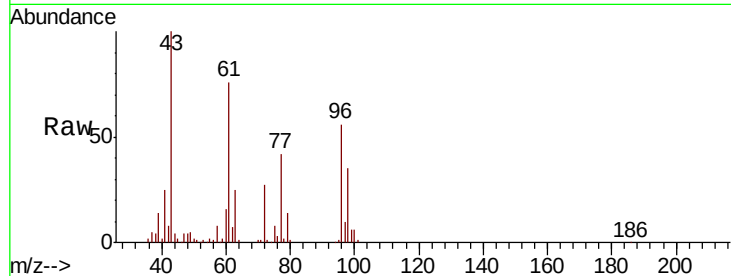
VN0927WBS02

Tot Ion: 43 Resp: 195632

Ion Ratio Lower Upper

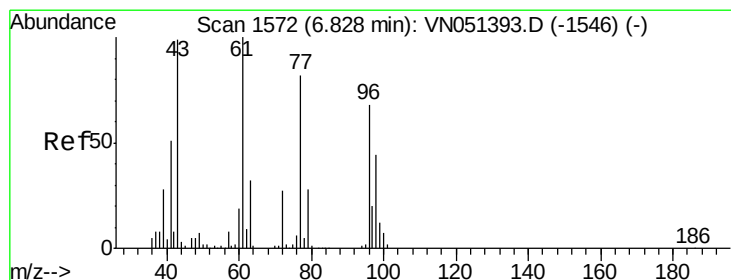
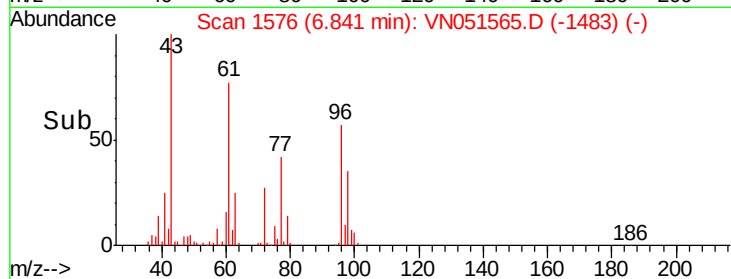
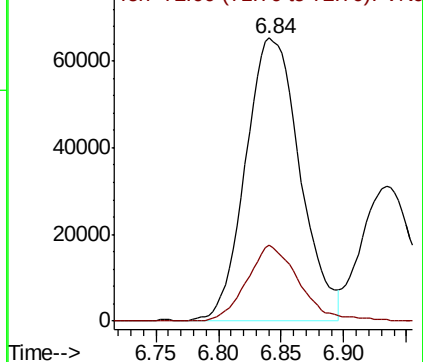
43 100

72 27.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 13.499 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051565.D

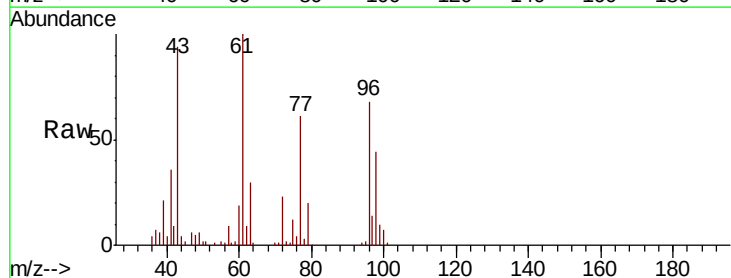
Acq: 27 Sep 2018 5:58

Tgt Ion: 77 Resp: 102806

Ion Ratio Lower Upper

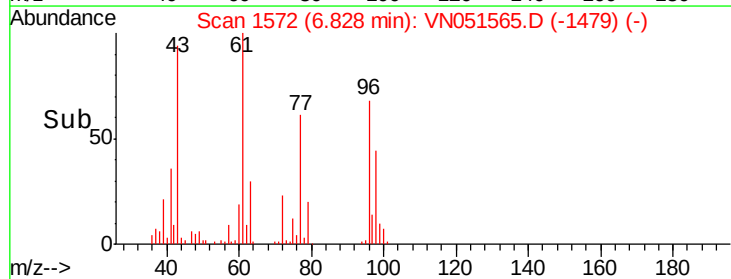
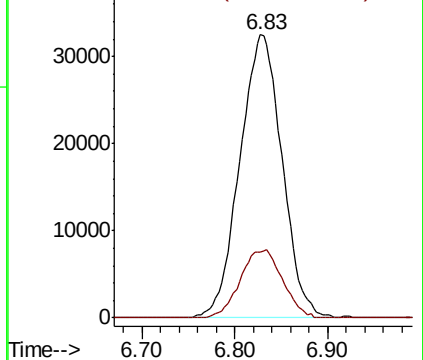
77 100

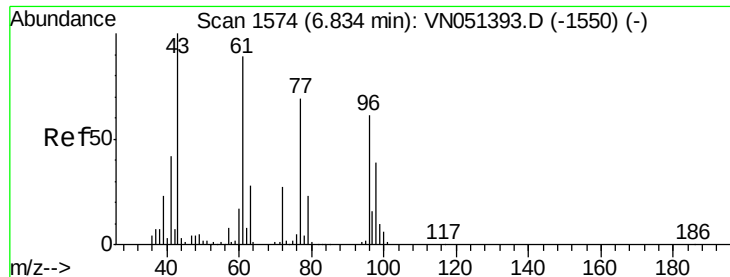
97 24.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.816 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

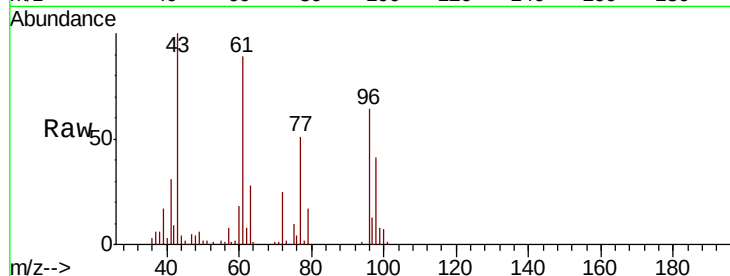
Tot Ion: 96 Resp: 112148

Ion Ratio Lower Upper

96 100

61 145.1 0.0 291.4

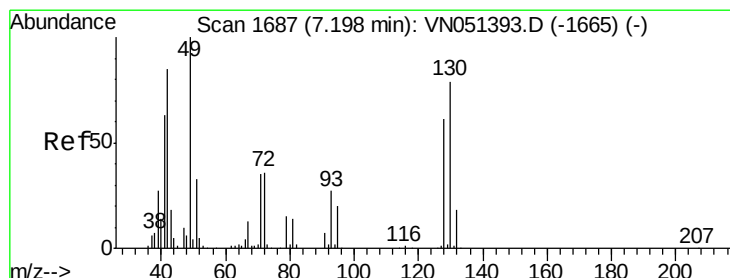
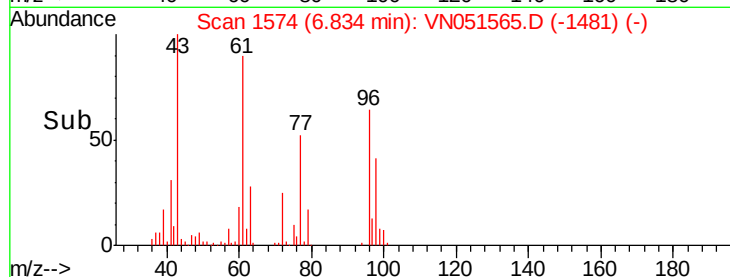
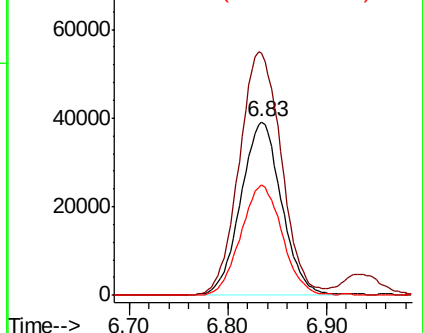
98 64.3 0.0 128.4



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: 22.034 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

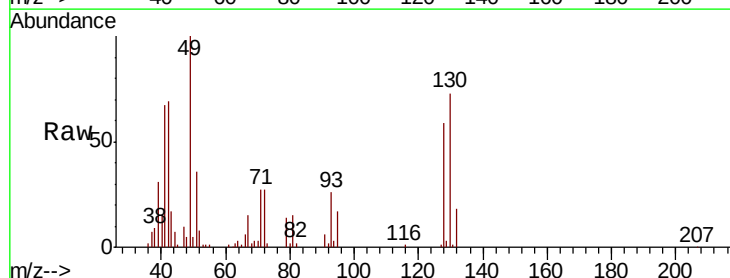
Tgt Ion: 49 Resp: 99270

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.8

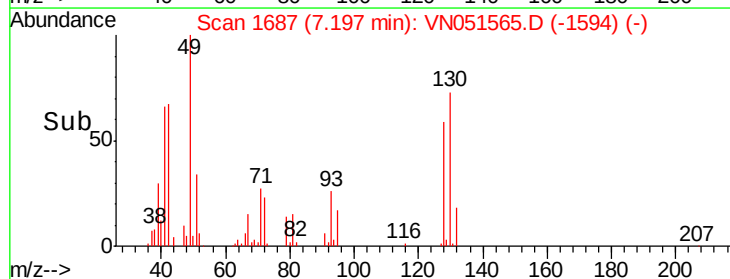
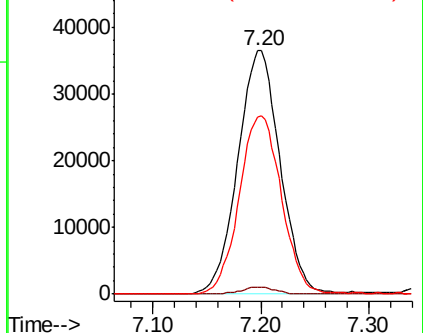
130 73.0 63.0 94.4

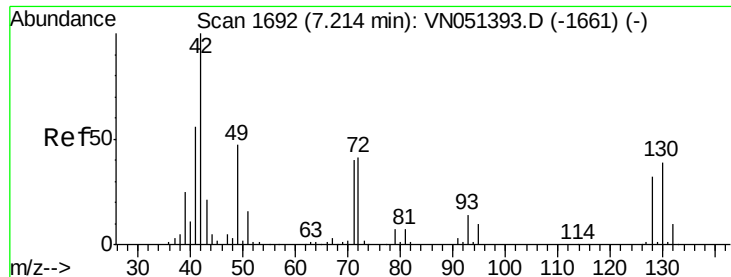


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

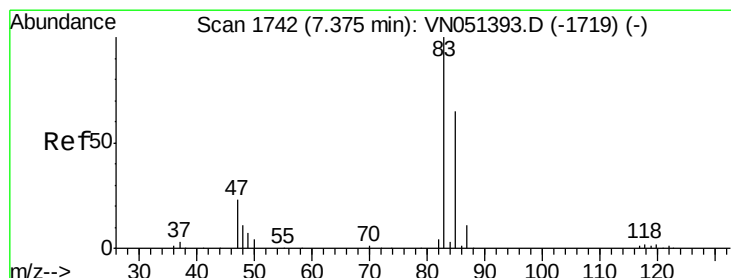
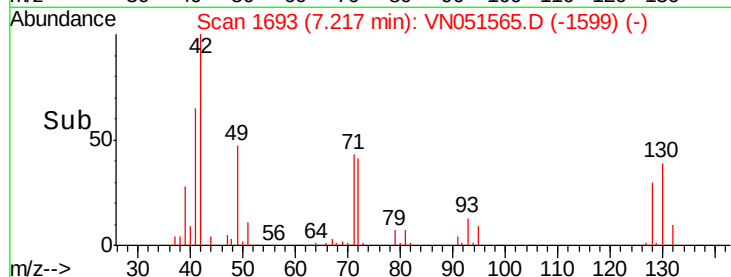
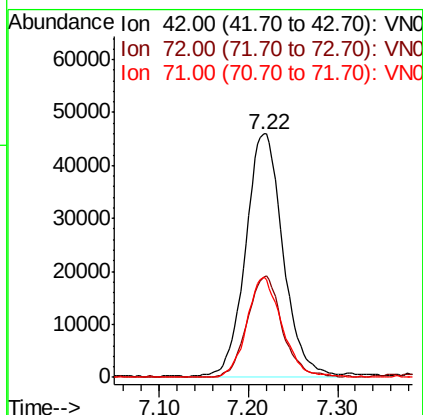
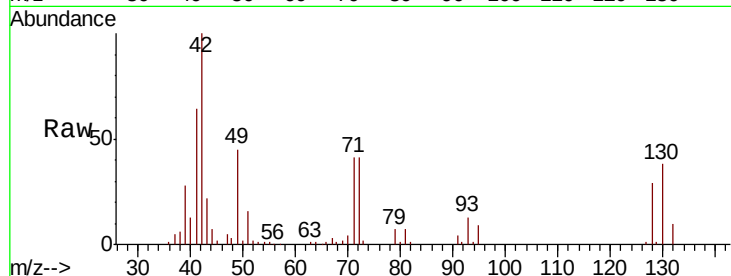




#29
Tetrahydrofuran
Concen: 109.538 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

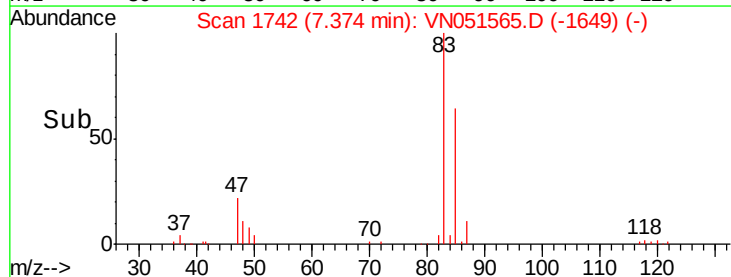
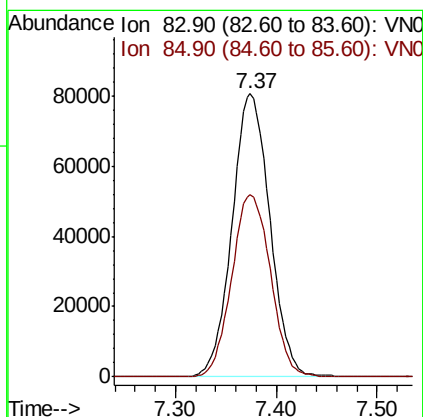
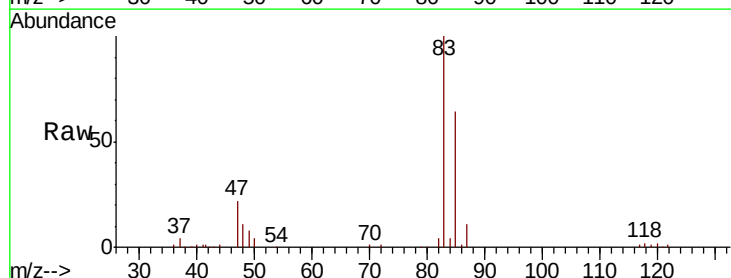
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

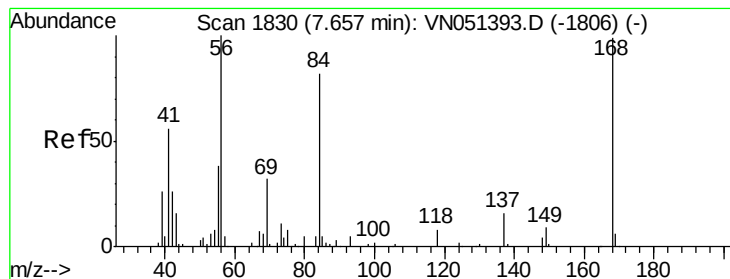
Tot Ion: 42 Resp: 134871
Ion Ratio Lower Upper
42 100
72 38.8 34.3 51.5
71 38.5 32.2 48.4



#30
Chloroform
Concen: 21.677 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 83 Resp: 209557
Ion Ratio Lower Upper
83 100
85 64.2 51.8 77.6





#31

Cyclohexane

Concen: 17.885 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

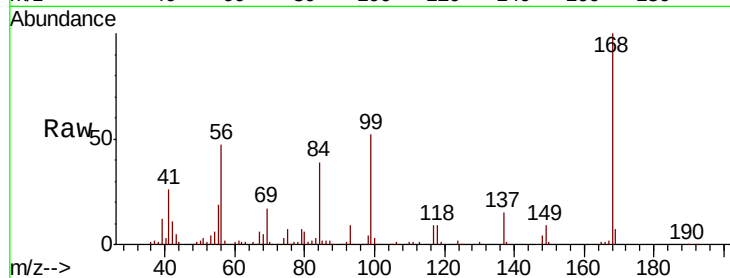
Tot Ion: 56 Resp: 159868

Ion Ratio Lower Upper

56 100

69 35.7 25.8 38.6

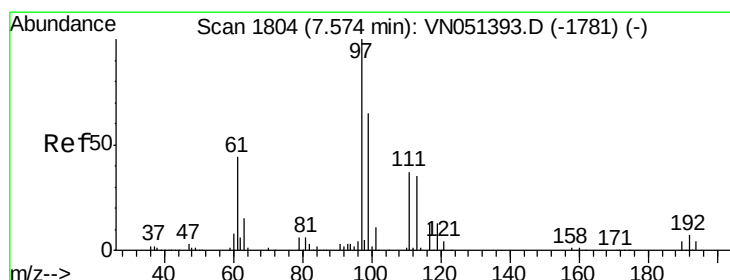
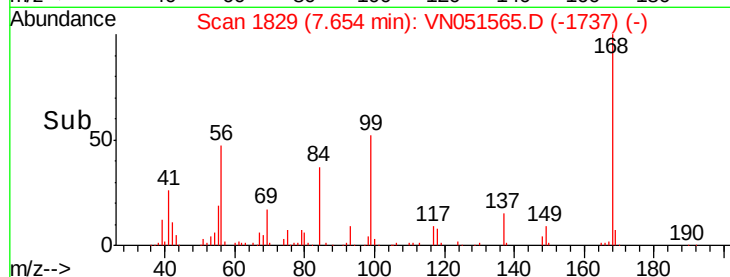
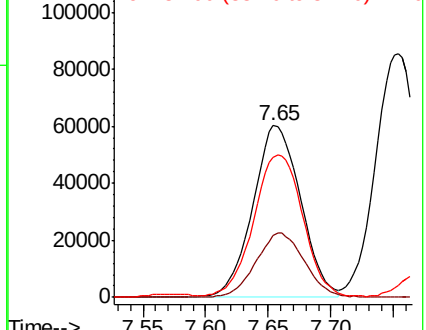
84 80.3 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.172 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

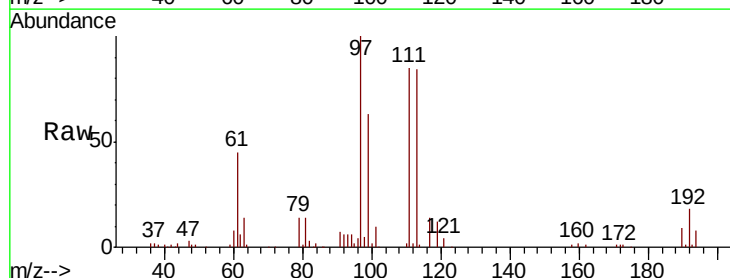
Tgt Ion: 97 Resp: 174975

Ion Ratio Lower Upper

97 100

99 62.8 51.4 77.0

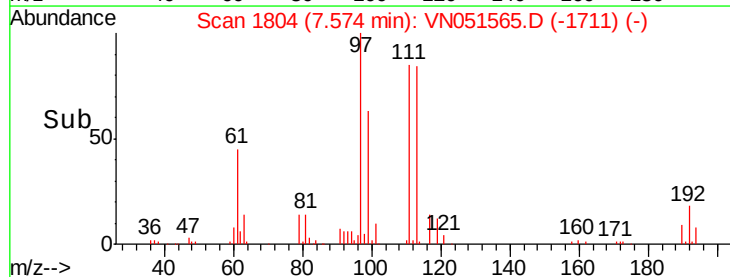
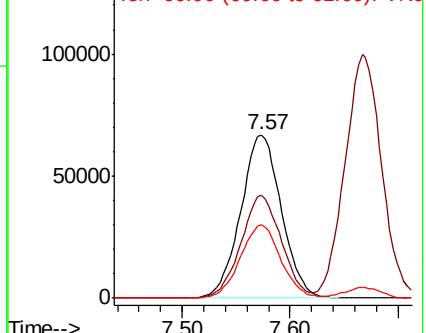
61 44.7 35.8 53.8

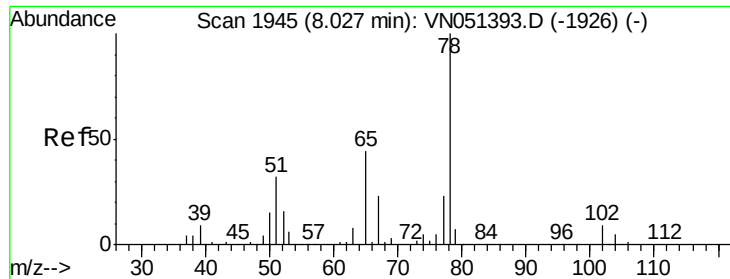


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.916 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

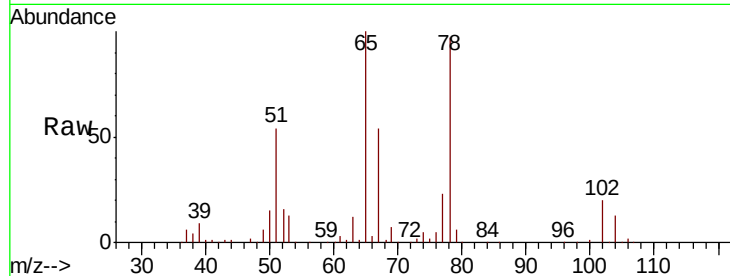
VN0927WBS02

Tot Ion: 65 Resp: 311736

Ion Ratio Lower Upper

65 100

67 53.5 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

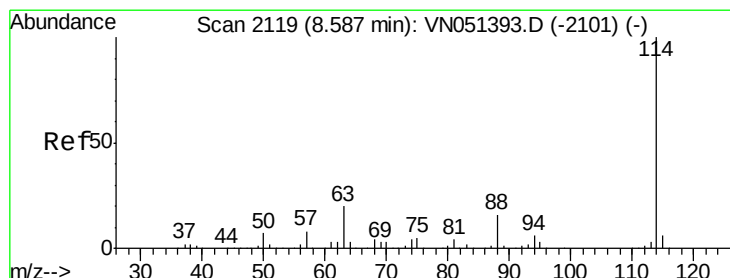
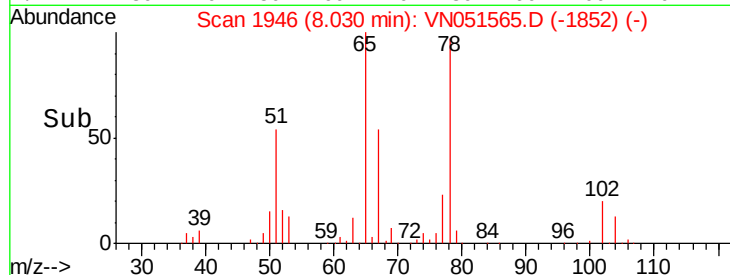
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

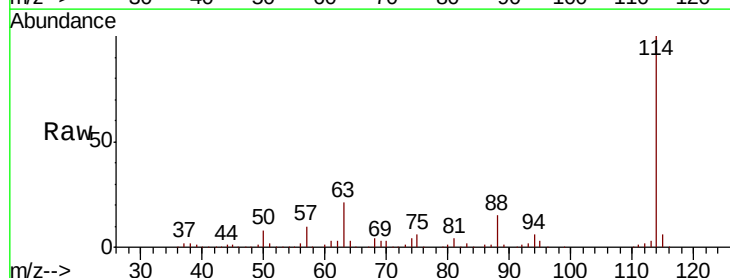
Tgt Ion: 114 Resp: 677776

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.4 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

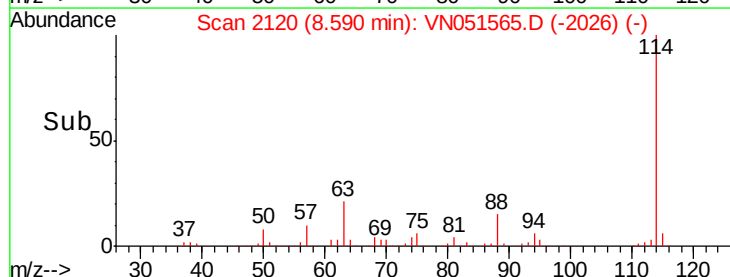
300000

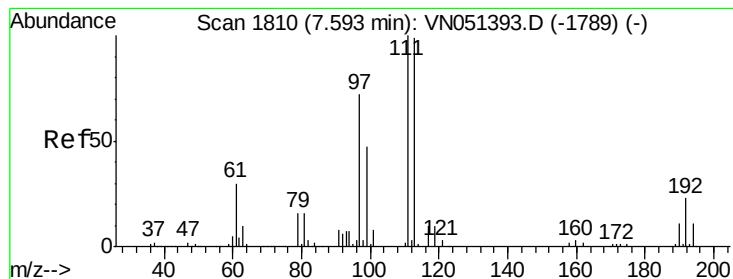
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.119 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

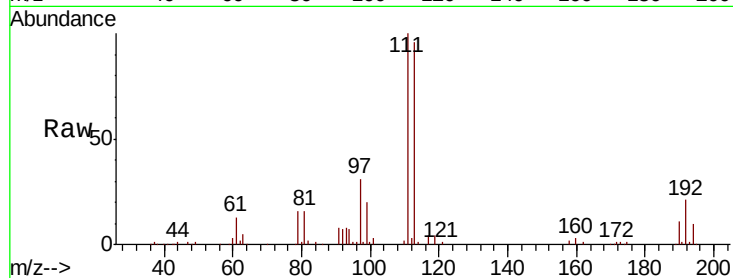
Tot Ion:113 Resp: 277059

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

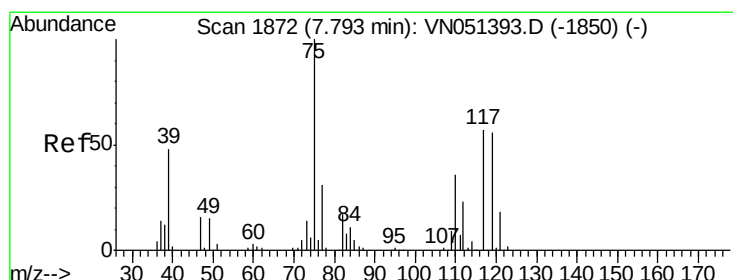
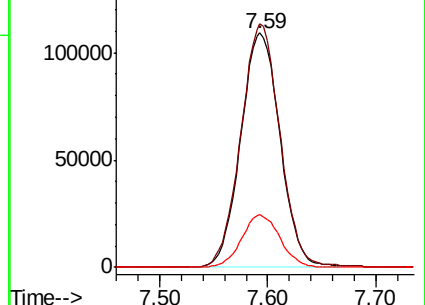
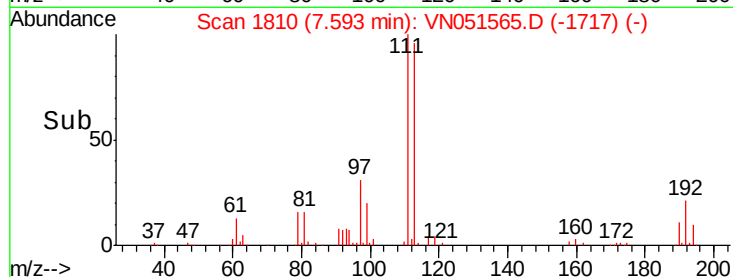
192 22.0 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.821 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

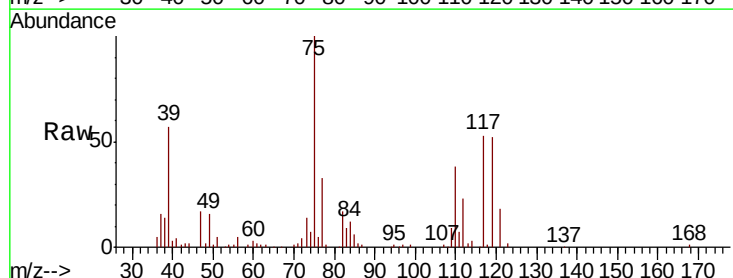
Tgt Ion: 75 Resp: 139876

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

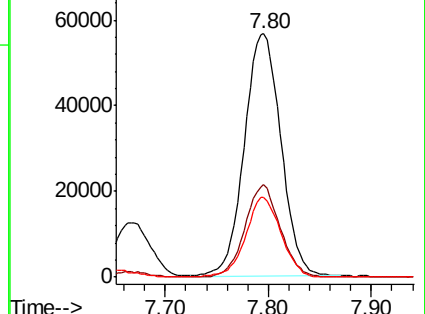
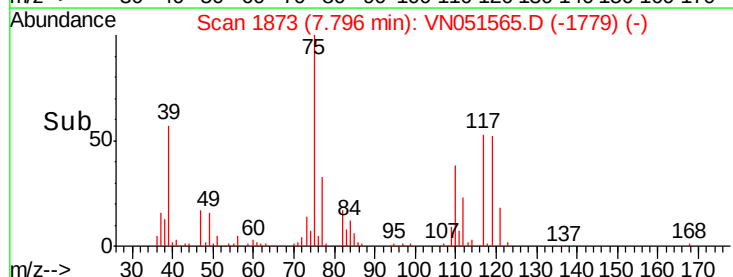
77 31.8 25.6 38.4

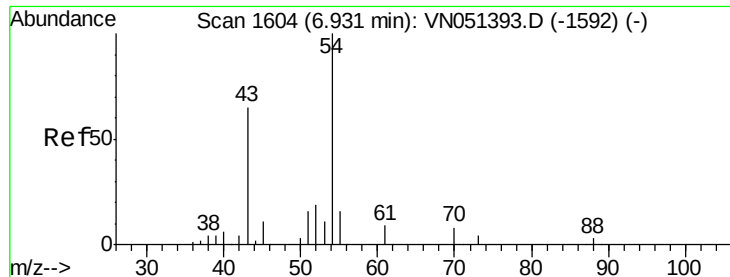


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

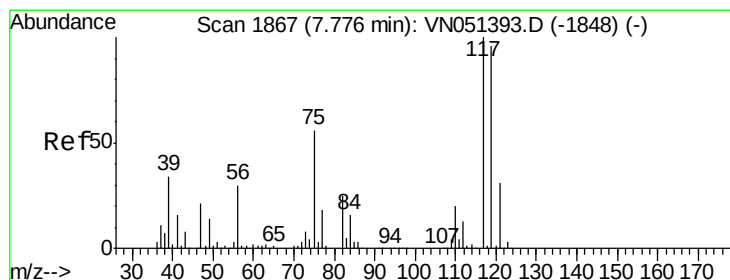
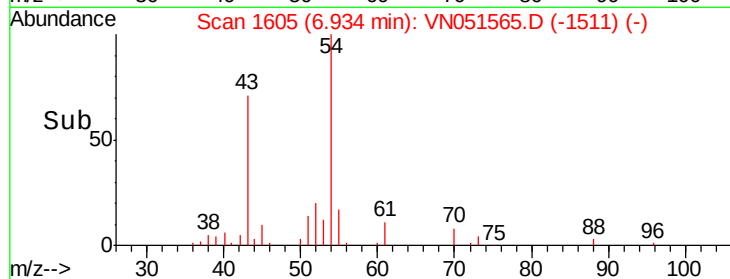
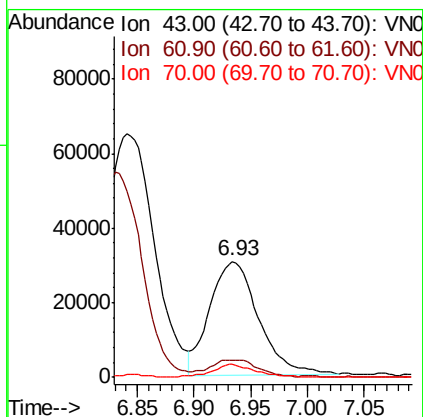
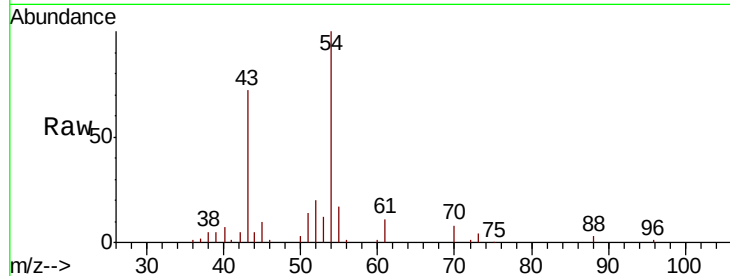




#37
Ethyl Acetate
Concen: 20.147 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

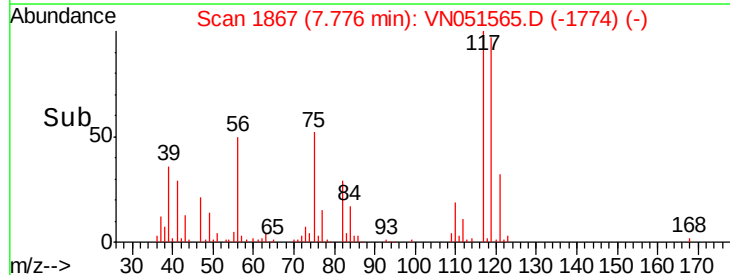
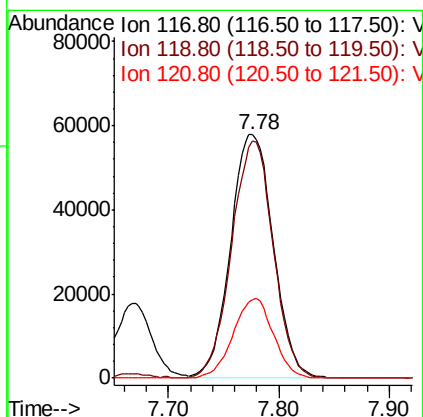
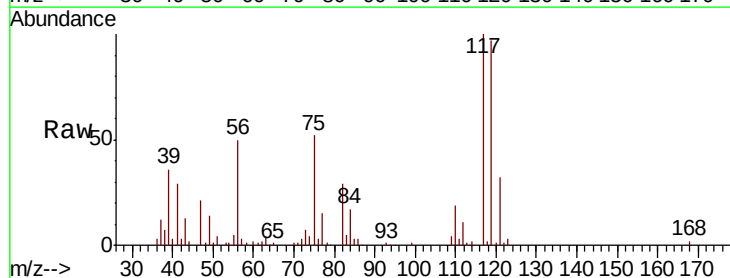
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

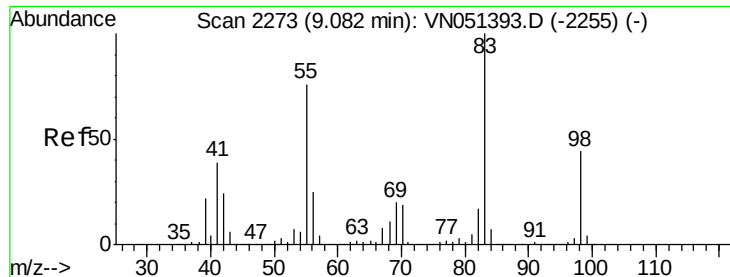
Tot Ion	43	Resp	90918
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.5	17.3
70	10.4	7.9	11.9



#38
Carbon Tetrachloride
Concen: 18.862 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	117	Resp	154848
Ion Ratio	Lower	Upper	
117	100		
119	97.1	76.9	115.3
121	32.4	24.6	37.0

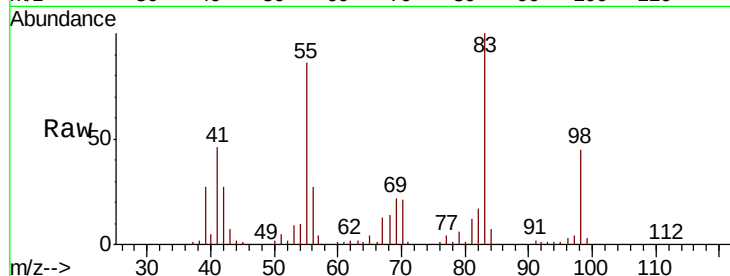




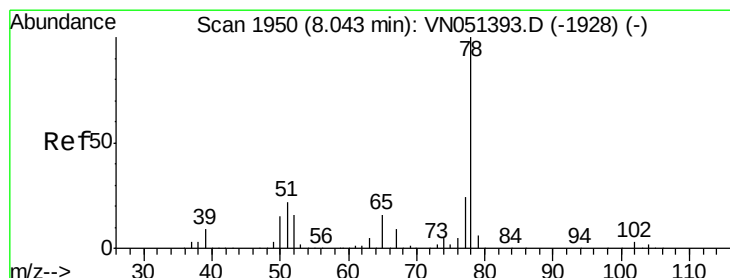
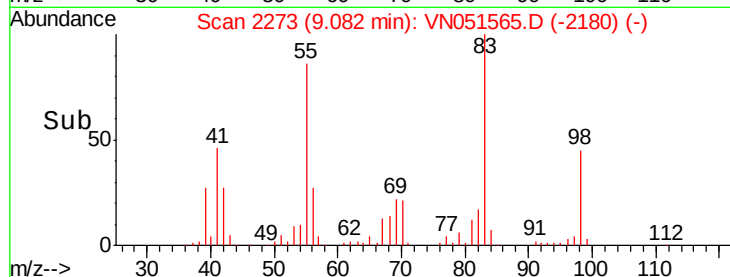
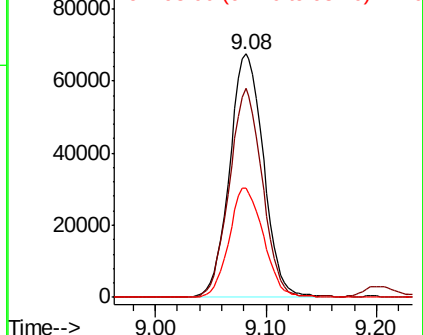
#39
Methylvlcyclohexane
Concen: 15.730 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion: 83 Resp: 144323
Ion Ratio Lower Upper
83 100
55 85.6 61.0 91.4
98 44.7 35.6 53.4

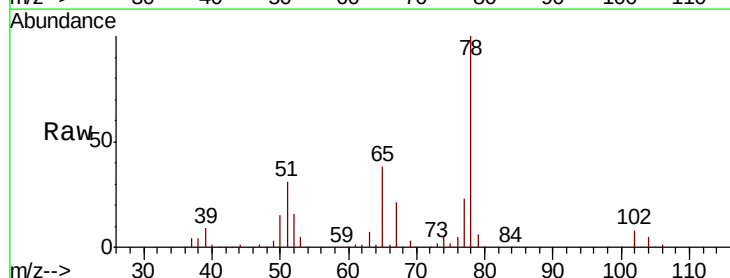


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

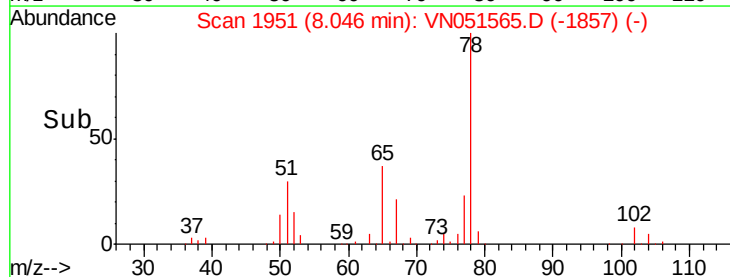
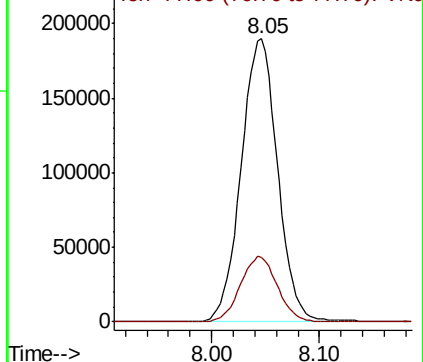


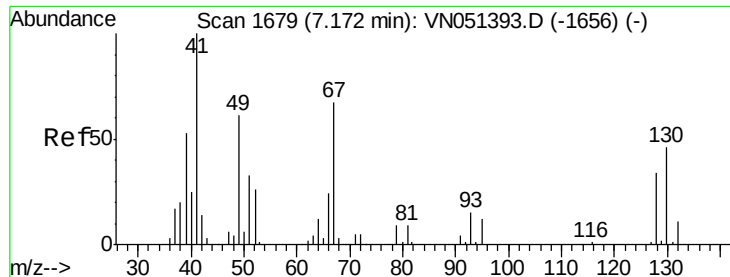
#40
Benzene
Concen: 19.338 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 78 Resp: 445664
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

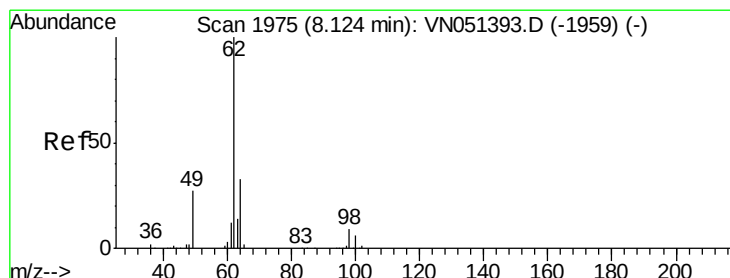
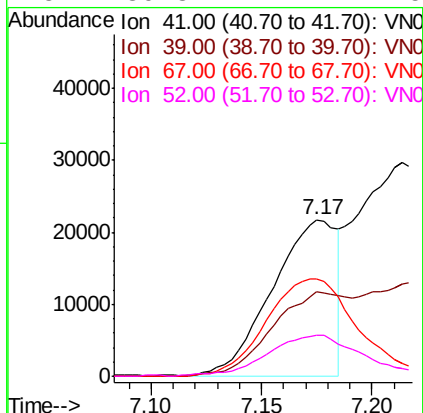
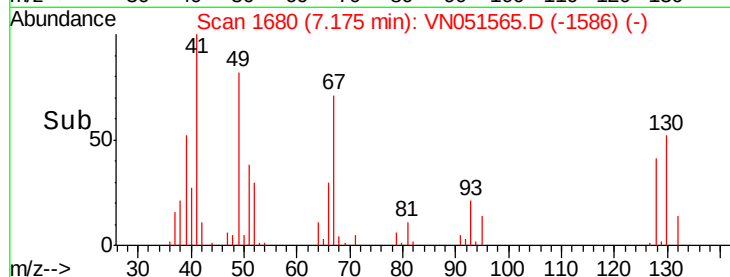
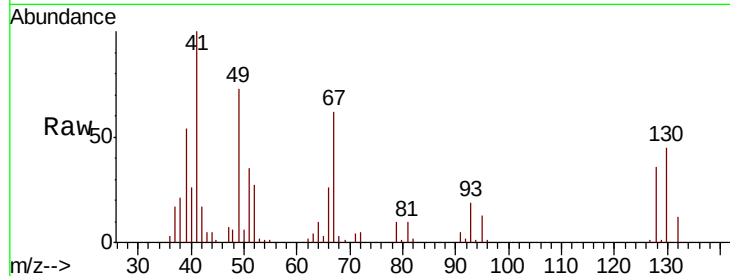




#41
Methacrylonitrile
Concen: 17.744 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

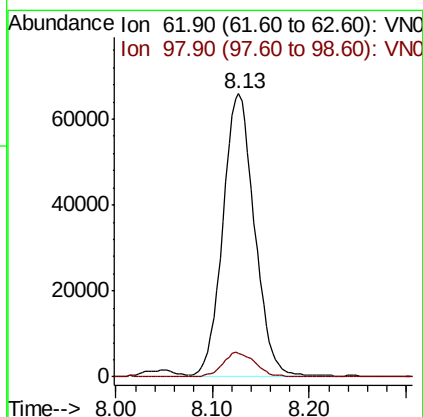
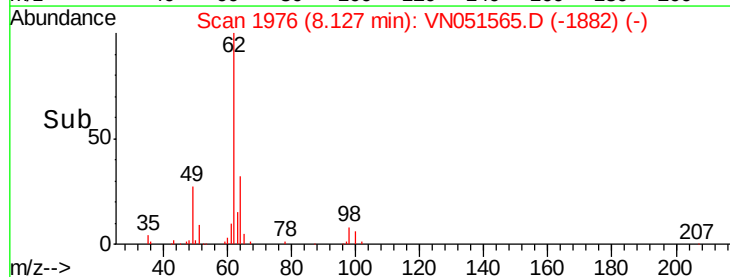
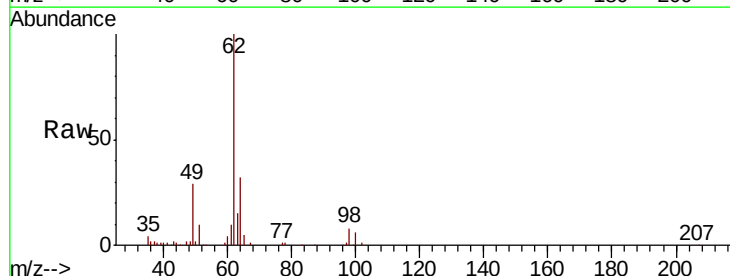
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

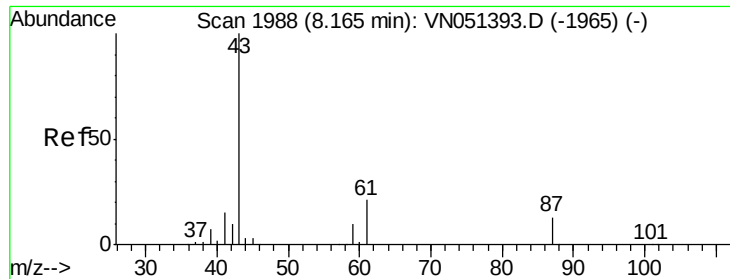
Tot Ion: 41 Resp: 44301
Ion Ratio Lower Upper
41 100
39 63.6 51.4 77.2
67 87.9 66.8 100.2
52 39.8 27.7 41.5



#42
1,2-Dichloroethane
Concen: 20.228 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 62 Resp: 149265
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.715 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

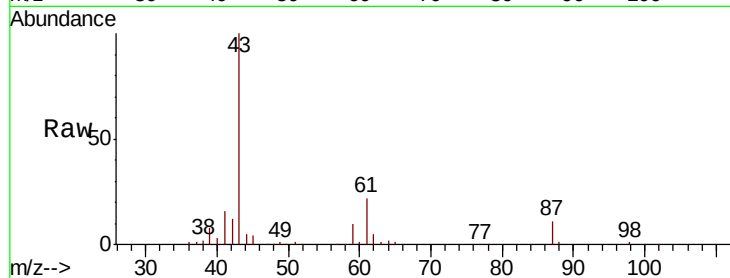
Tot Ion: 43 Resp: 177197

Ion Ratio Lower Upper

43 100

61 18.4 16.8 25.2

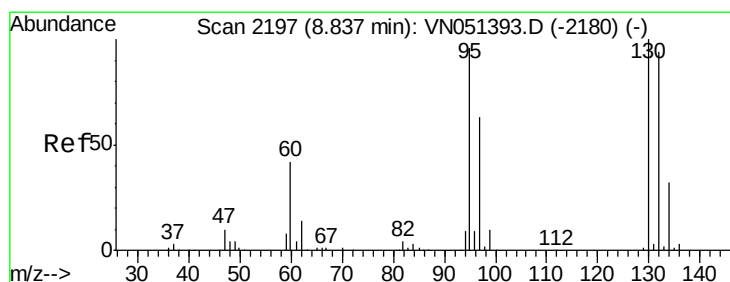
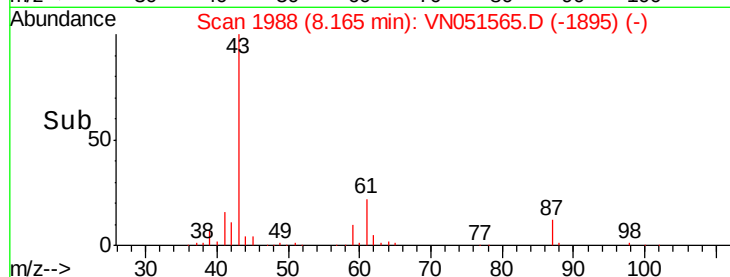
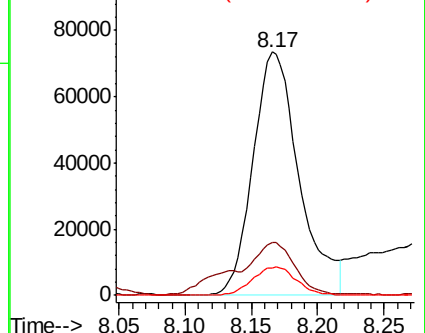
87 11.2 10.7 16.1



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) (-)



#44

Trichloroethene

Concen: 18.833 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051565.D

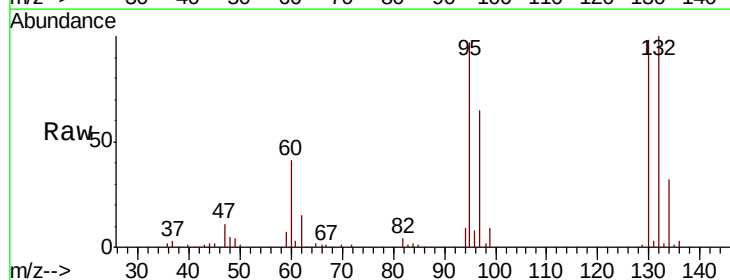
Acq: 27 Sep 2018 5:58

Tgt Ion:130 Resp: 115277

Ion Ratio Lower Upper

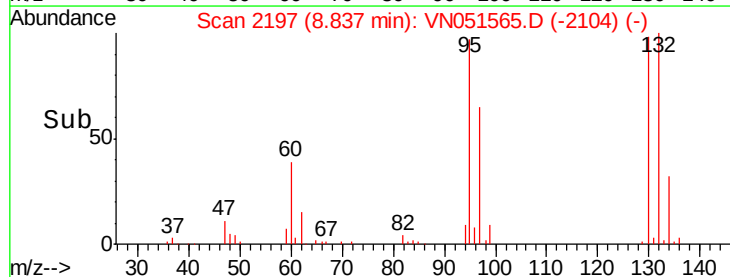
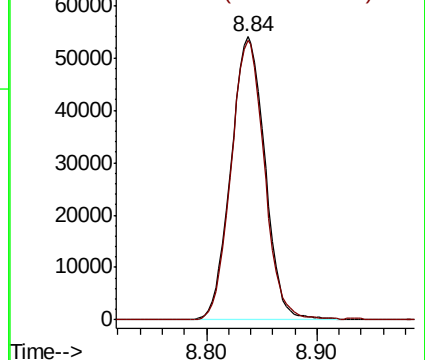
130 100

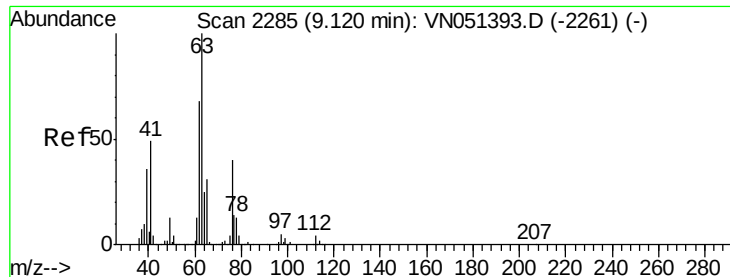
95 99.0 0.0 192.2



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

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





#45

1,2-Dichloropropane

Concen: 20.745 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

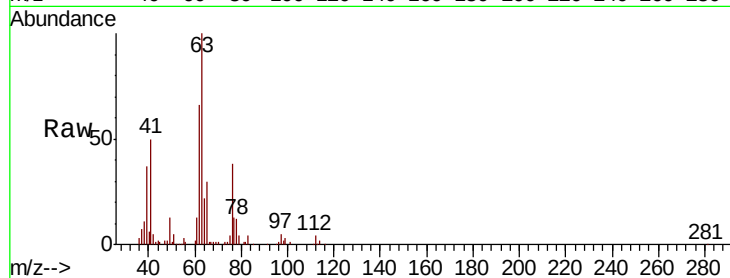
VN0927WBS02

Tot Ion: 63 Resp: 129955

Ion Ratio Lower Upper

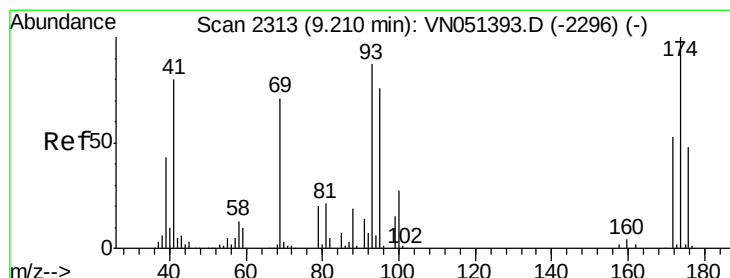
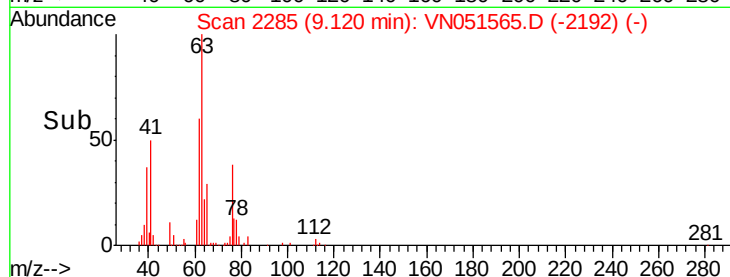
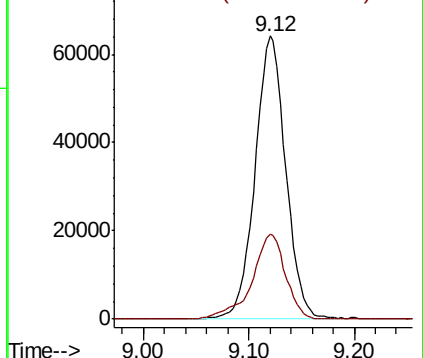
63 100

65 29.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.959 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

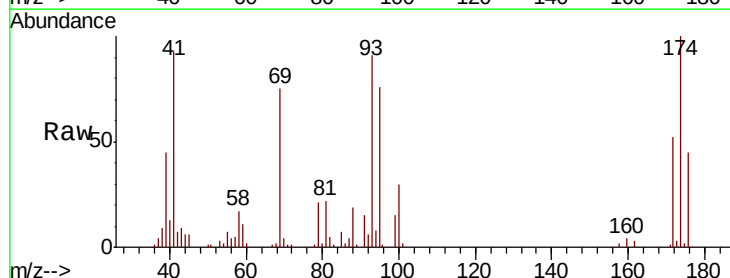
Tgt Ion: 93 Resp: 70648

Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

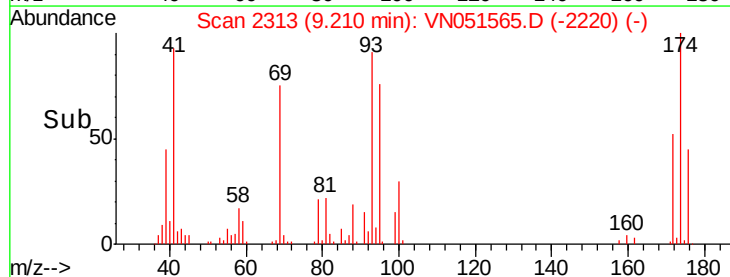
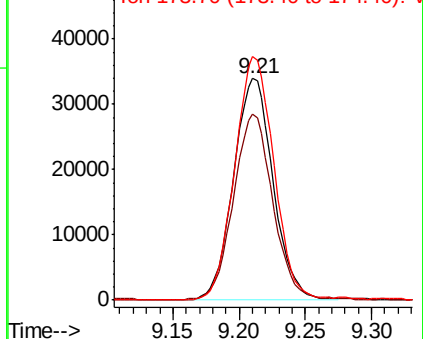
174 108.6 89.6 134.4

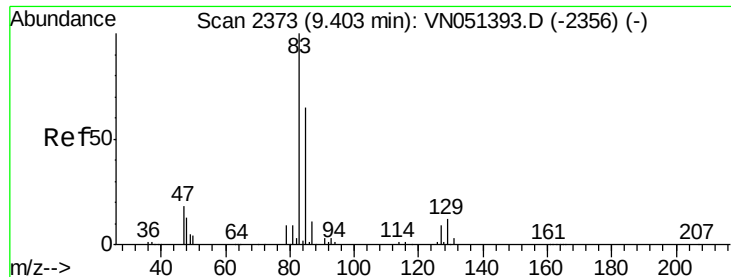


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.276 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

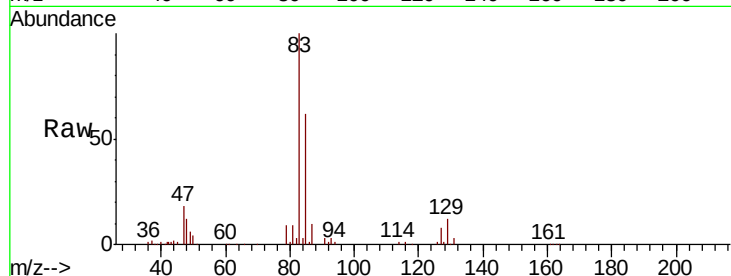
Tot Ion: 83 Resp: 158826

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.6

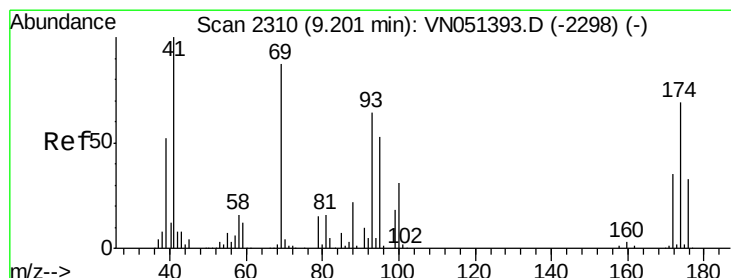
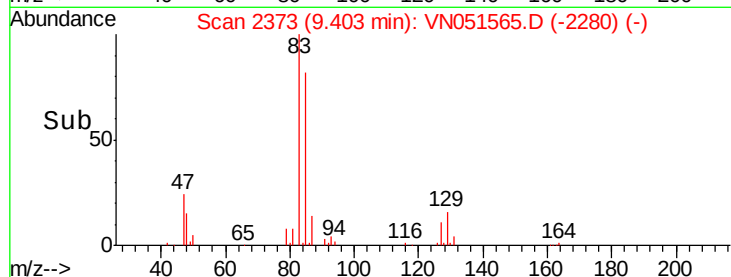
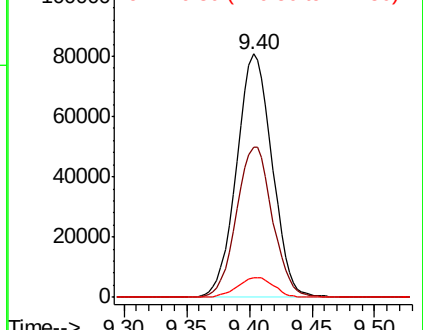
127 7.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051393.D (-2356) (-)



#48

Methyl methacrylate

Concen: 19.309 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

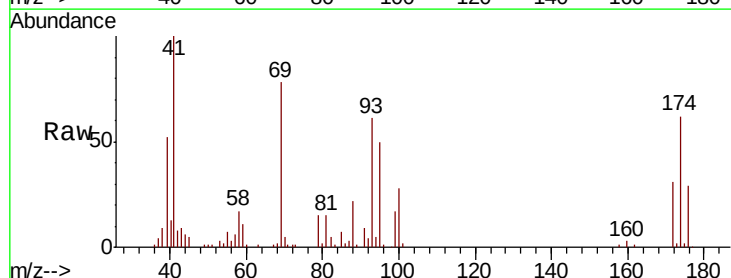
Tgt Ion: 41 Resp: 78555

Ion Ratio Lower Upper

41 100

69 84.7 70.4 105.6

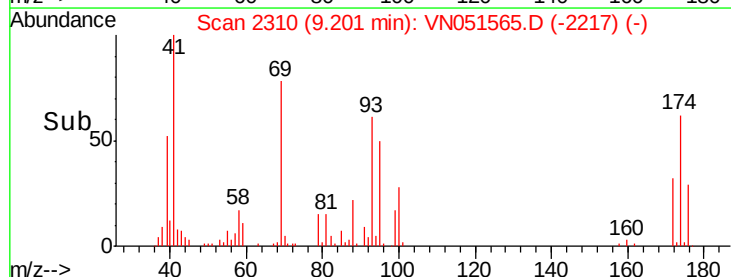
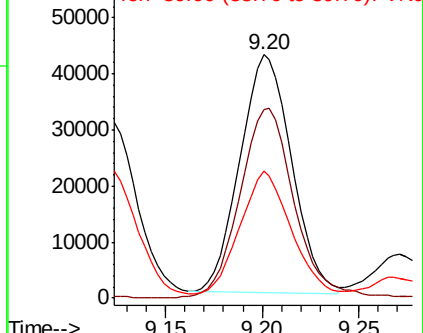
39 54.2 43.8 65.8

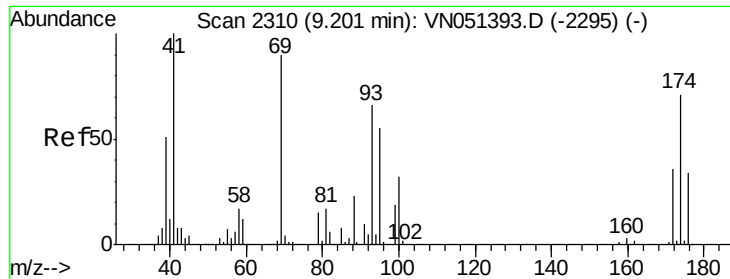


Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-2298) (-)

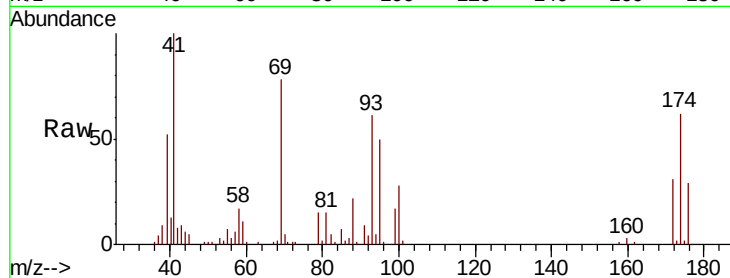




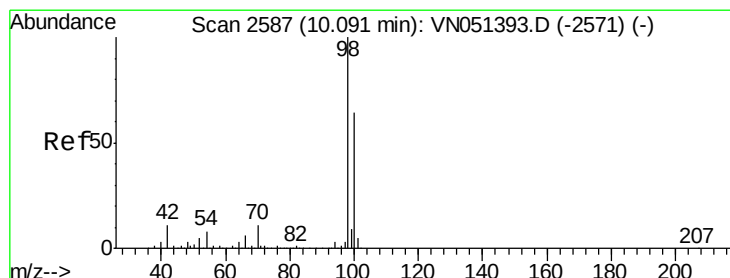
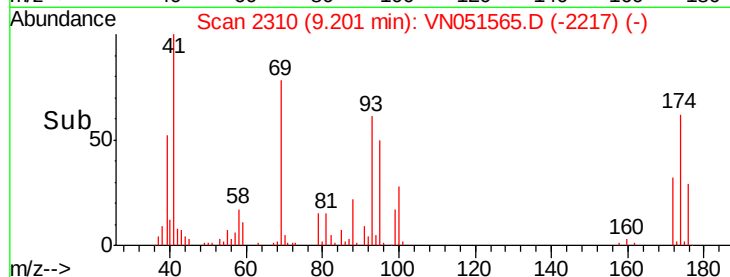
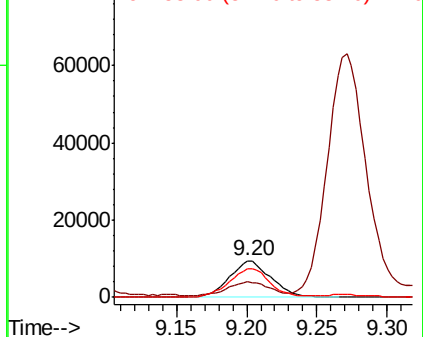
#49
1,4-Dioxane
Concen: 387.738 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion: 88 Resp: 19333
Ion Ratio Lower Upper
88 100
43 37.1 25.9 38.9
58 77.5 57.0 85.4

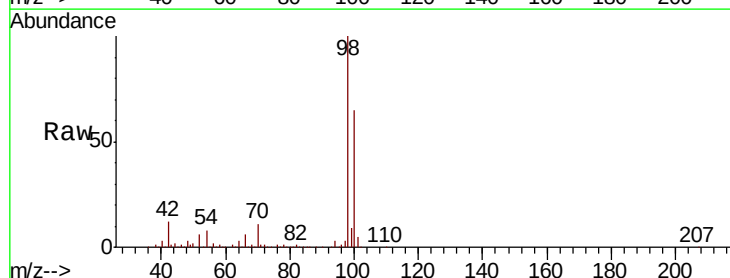


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

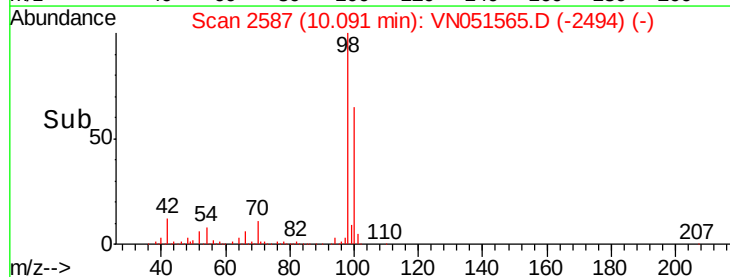
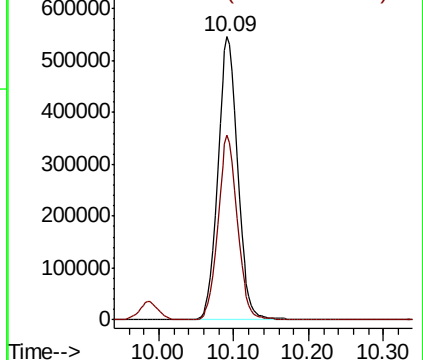


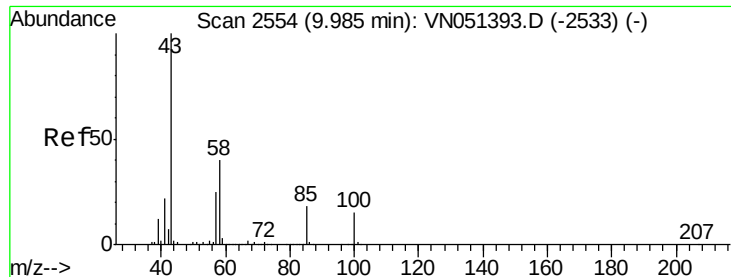
#50
Toluene-d8
Concen: 49.077 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 98 Resp: 1001625
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.440 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

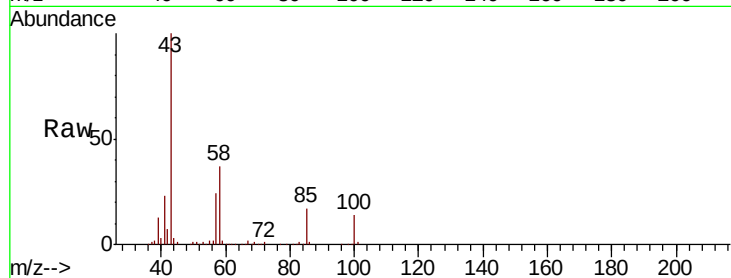
VN0927WBS02

Tot Ion: 43 Resp: 464223

Ion Ratio Lower Upper

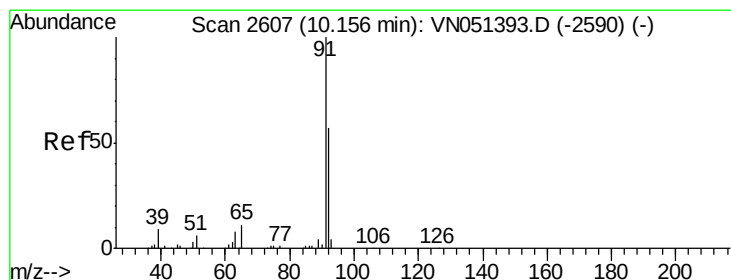
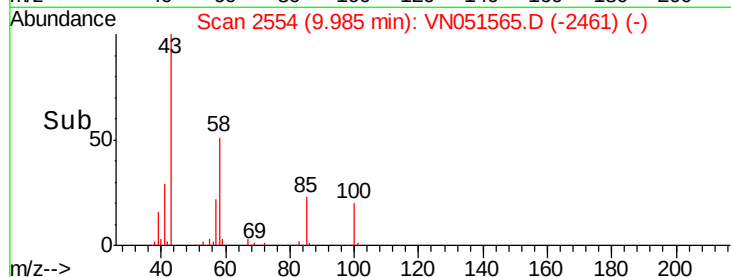
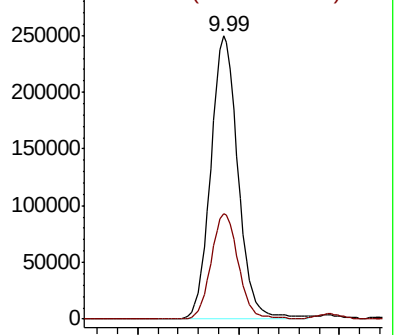
43 100

58 37.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.862 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051565.D

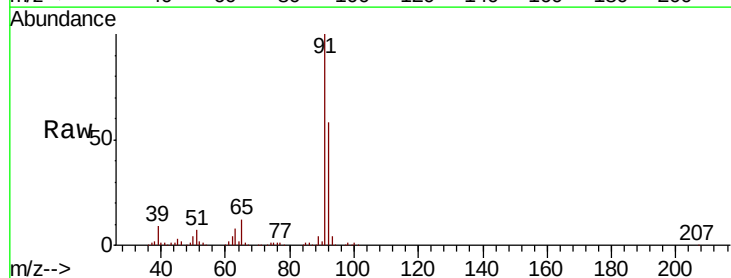
Acq: 27 Sep 2018 5:58

Tgt Ion: 92 Resp: 270148

Ion Ratio Lower Upper

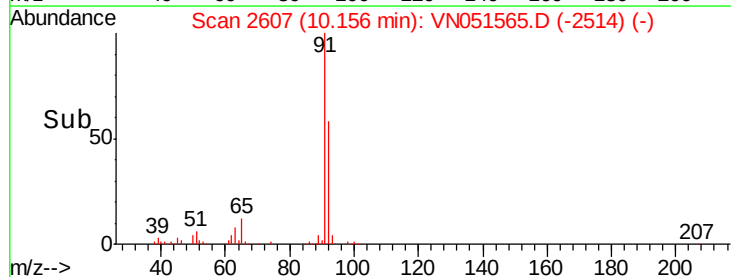
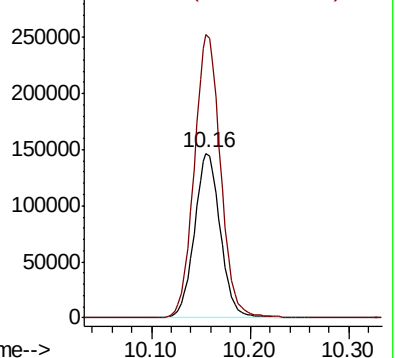
92 100

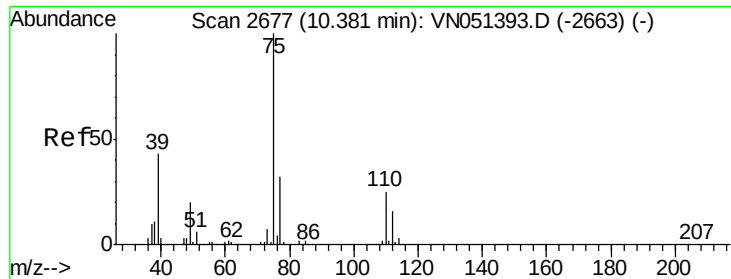
91 175.1 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.221 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

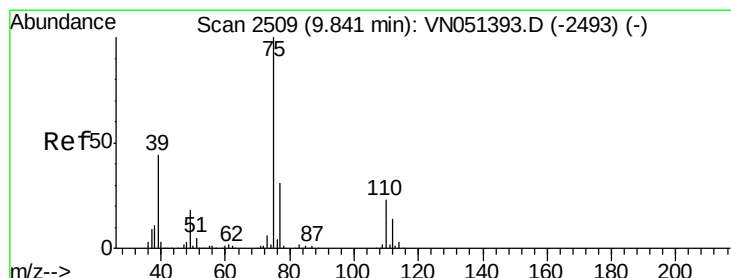
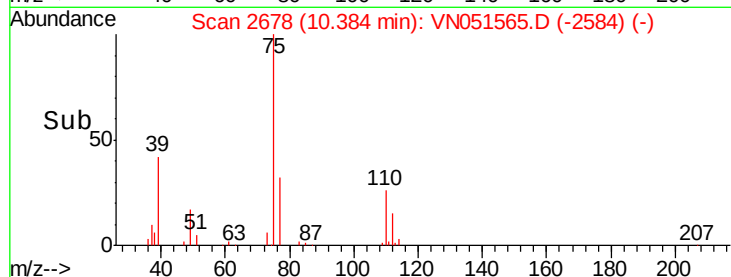
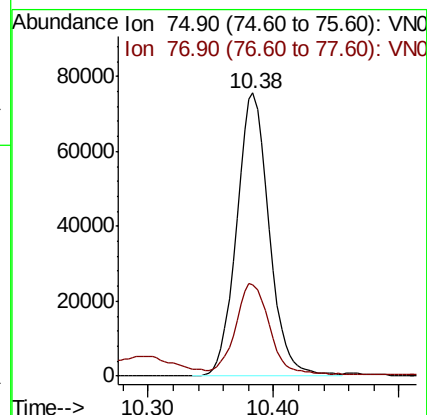
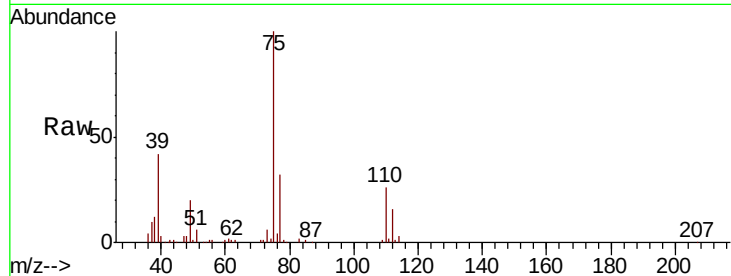
VN0927WBS02

Tot Ion: 75 Resp: 136182

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 17.838 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

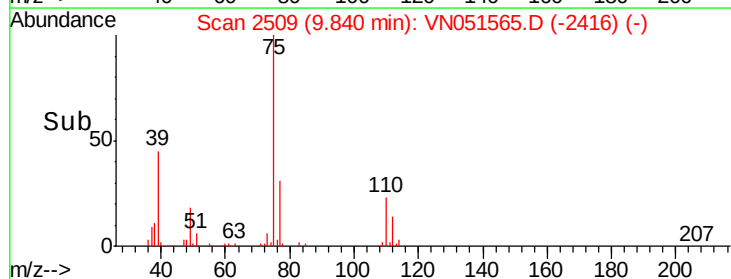
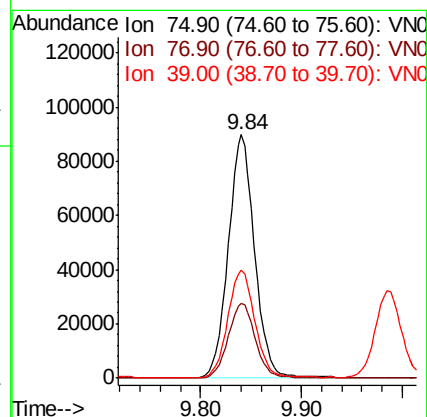
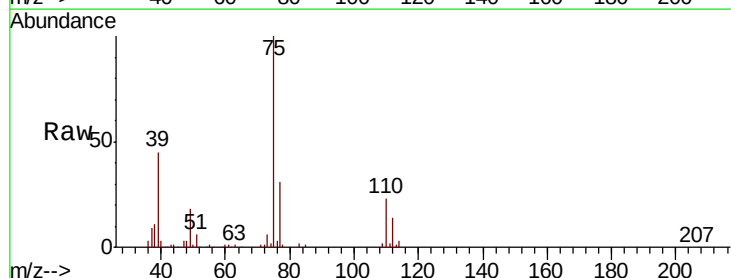
Tgt Ion: 75 Resp: 163590

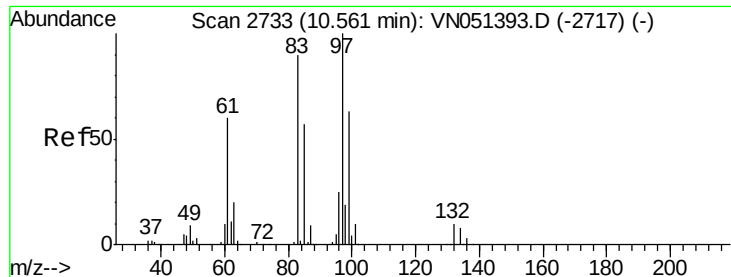
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 44.6 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 20.707 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 97 Resp: 104810

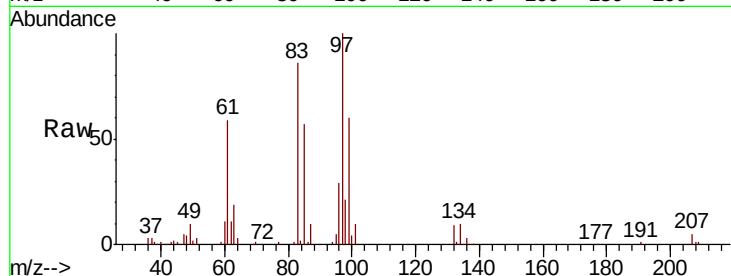
Ion Ratio Lower Upper

97 100

83 86.0 72.0 108.0

85 56.8 45.2 67.8

99 60.4 50.7 76.1

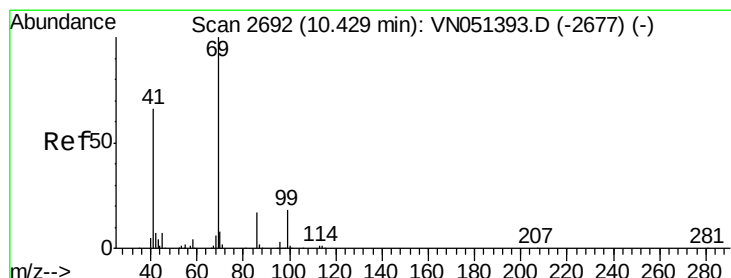
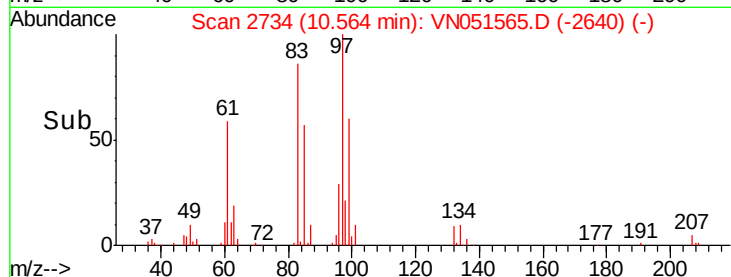
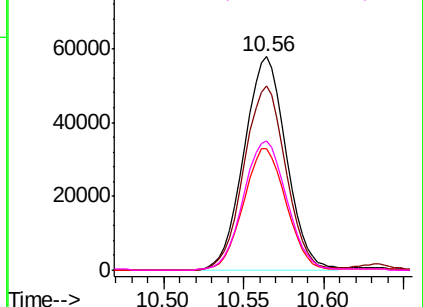


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.576 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

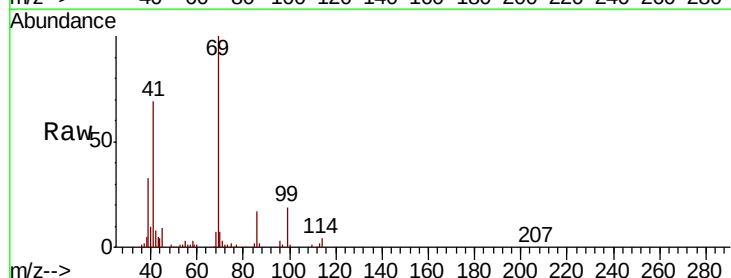
Tgt Ion: 69 Resp: 114955

Ion Ratio Lower Upper

69 100

41 67.8 52.4 78.6

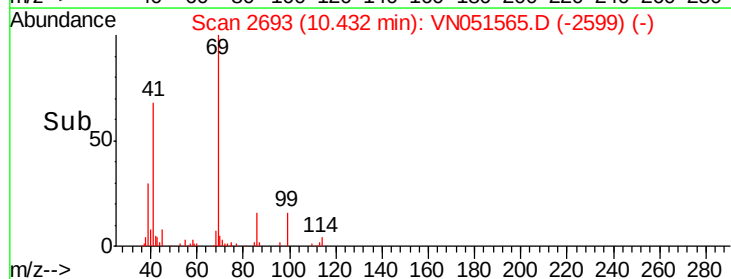
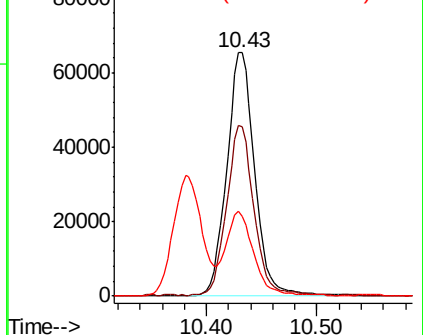
39 32.8 26.3 39.5

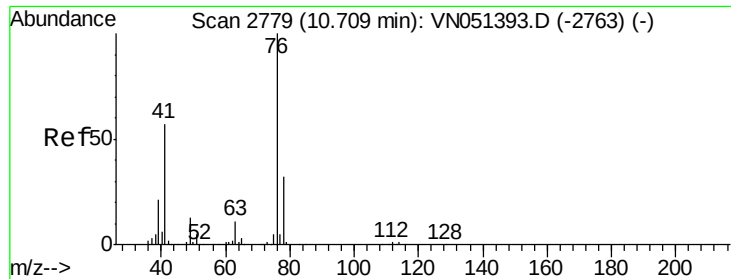


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.079 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

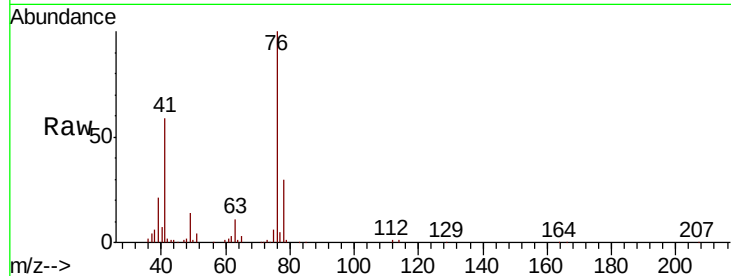
VN0927WBS02

Tot Ion: 76 Resp: 174196

Ion Ratio Lower Upper

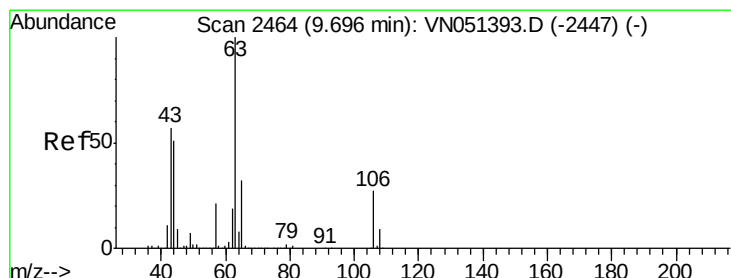
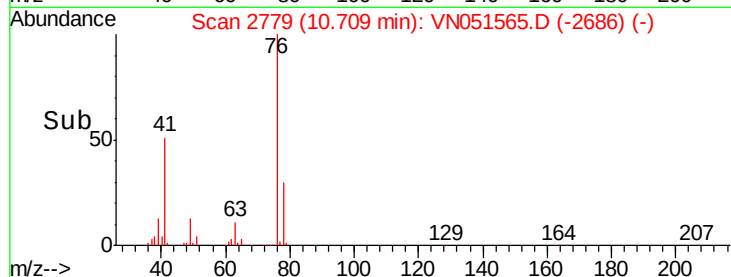
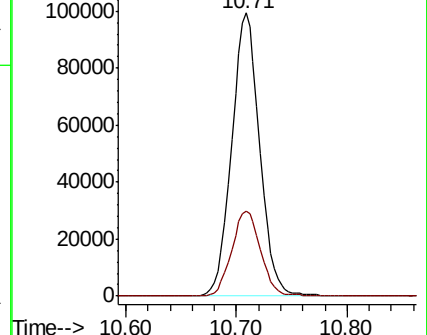
76 100

78 31.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.879 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051565.D

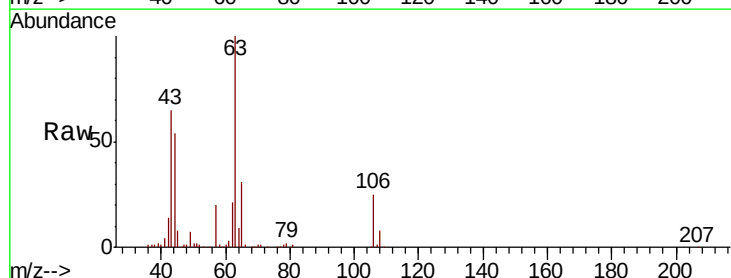
Acq: 27 Sep 2018 5:58

Tgt Ion: 63 Resp: 293550

Ion Ratio Lower Upper

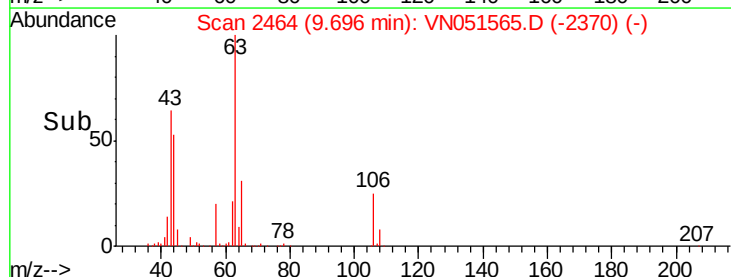
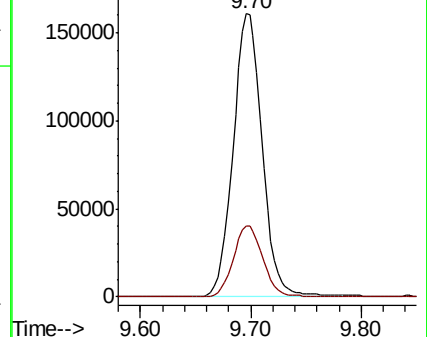
63 100

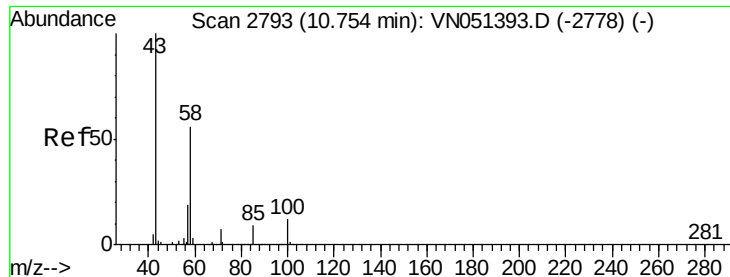
106 25.5 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

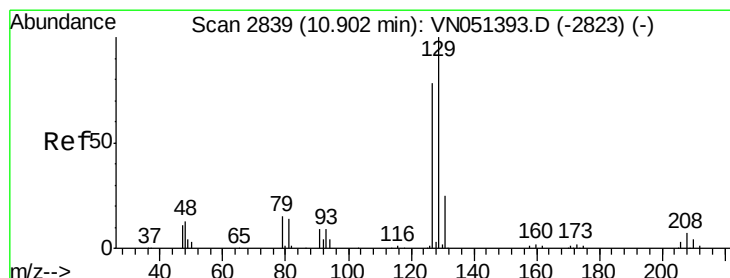
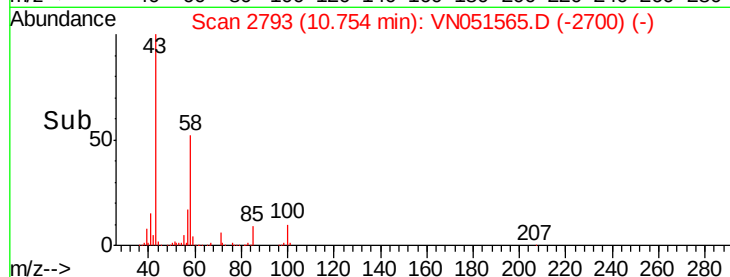
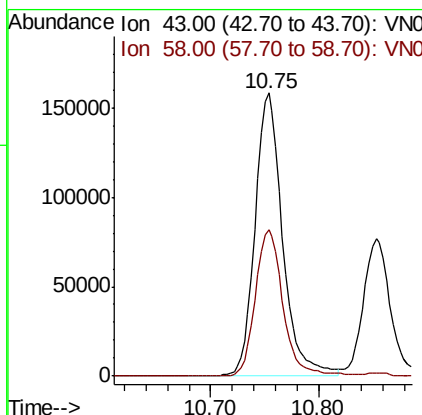
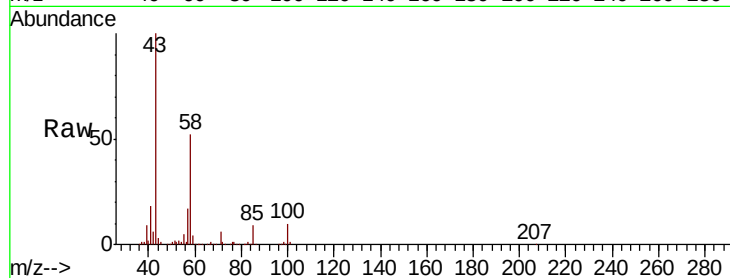




#59
2-Hexanone
Concen: 96.087 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

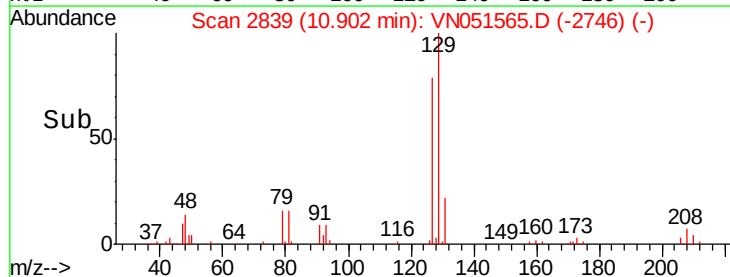
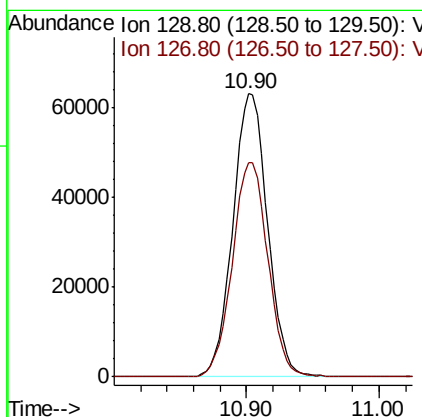
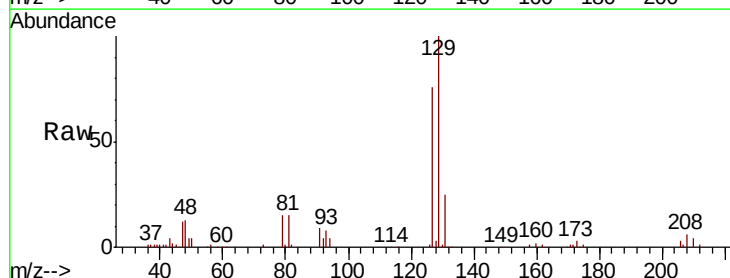
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

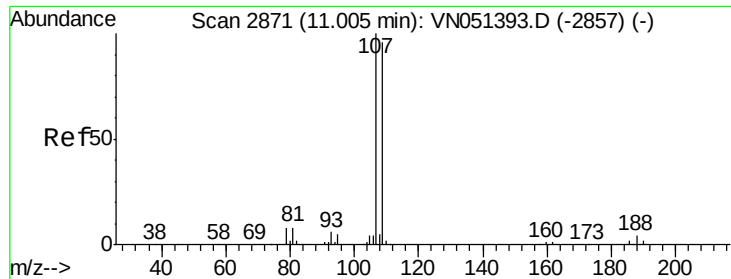
Tot Ion: 43 Resp: 279548
Ion Ratio Lower Upper
43 100
58 51.6 27.7 83.0



#60
Dibromochloromethane
Concen: 19.171 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 129 Resp: 114492
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

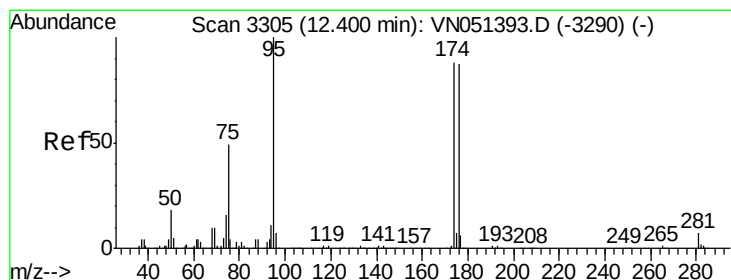
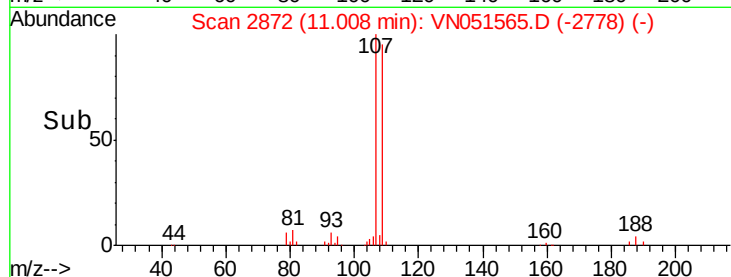
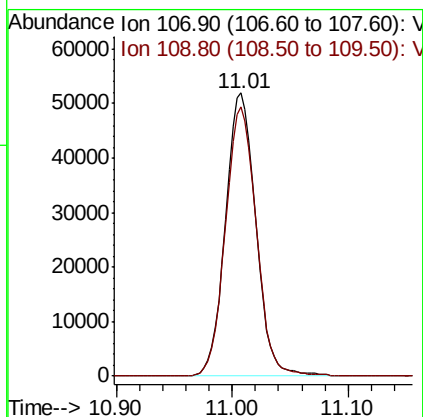
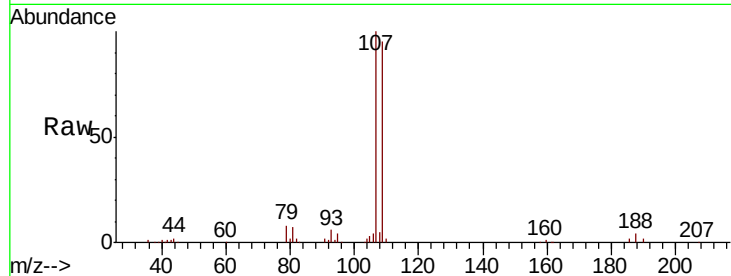




#61
 1,2-Dibromoethane
 Concen: 19.096 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

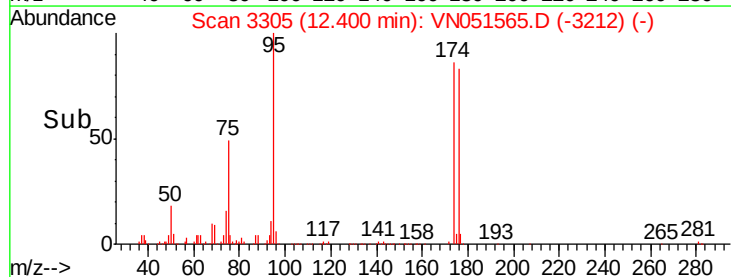
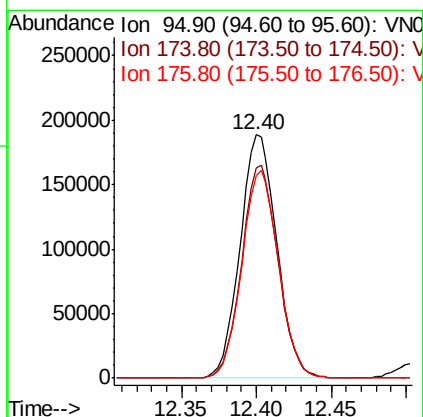
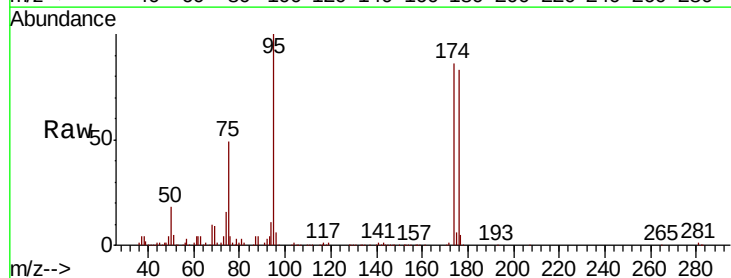
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

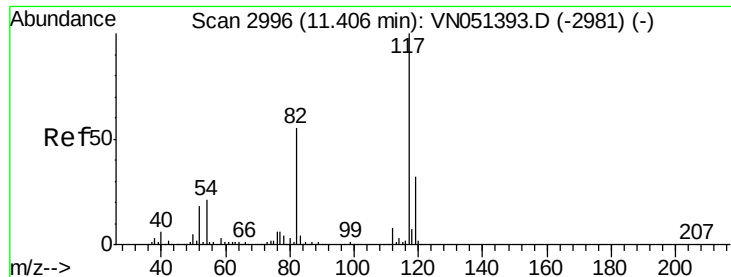
Tot Ion: 107 Resp: 93833
 Ion Ratio Lower Upper
 107 100
 109 96.6 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 48.766 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion: 95 Resp: 321974
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 181.6
 176 85.2 0.0 176.4

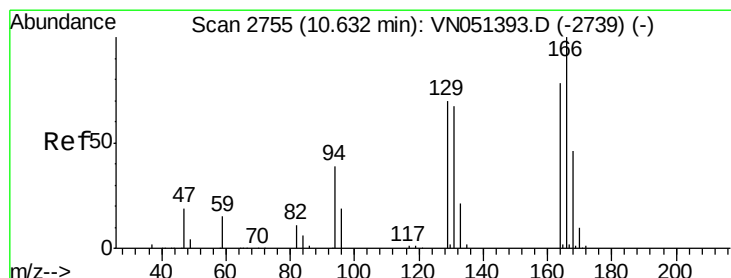
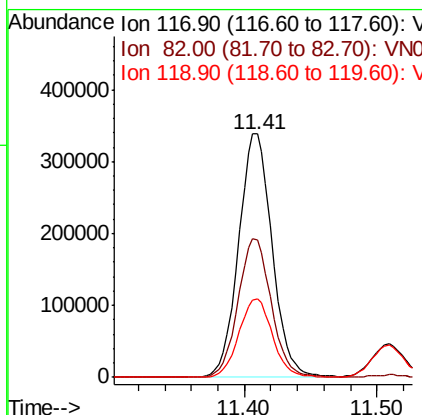
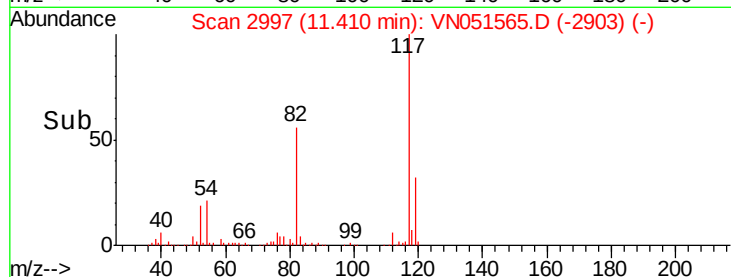
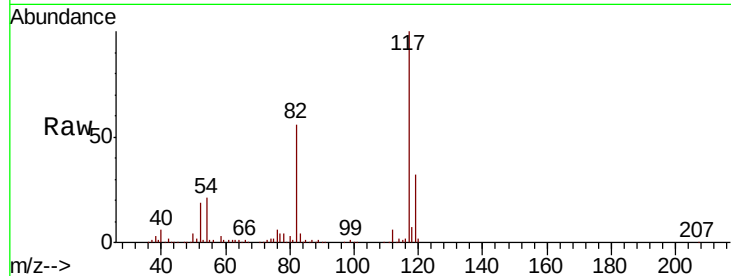




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

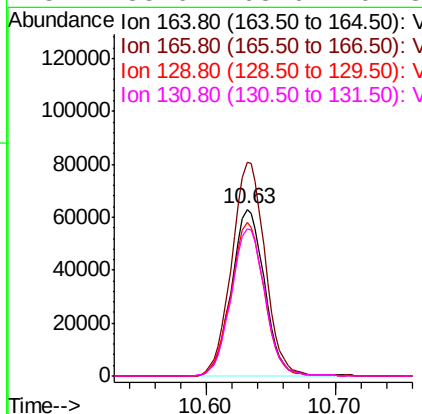
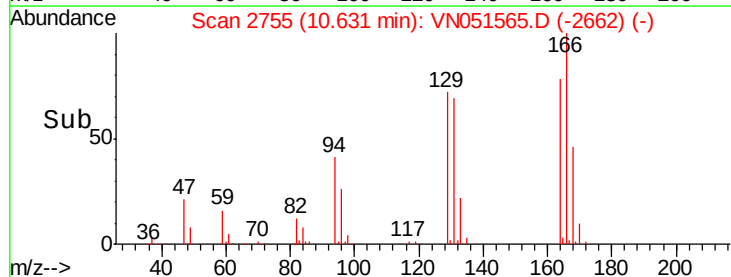
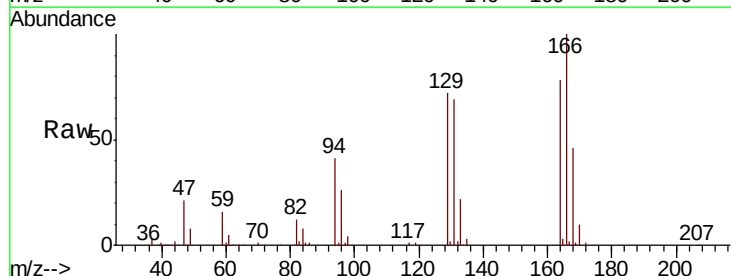
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

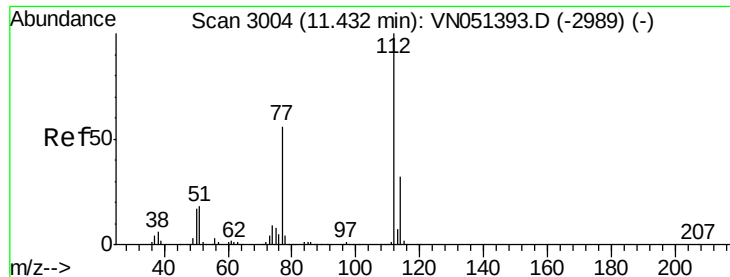
Tot Ion:117 Resp: 593576
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 20.786 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion:164 Resp: 111974
Ion Ratio Lower Upper
164 100
166 128.1 102.3 153.5
129 92.0 71.8 107.8
131 88.6 68.6 102.8





#65

Chlorobenzene

Concen: 18.844 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

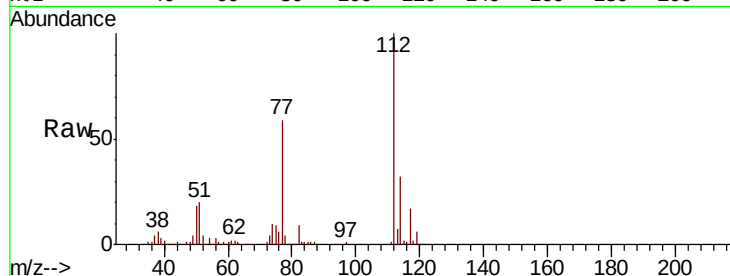
VN0927WBS02

Tot Ion:112 Resp: 286981

Ion Ratio Lower Upper

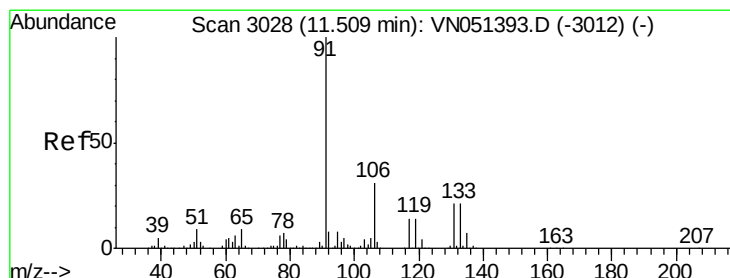
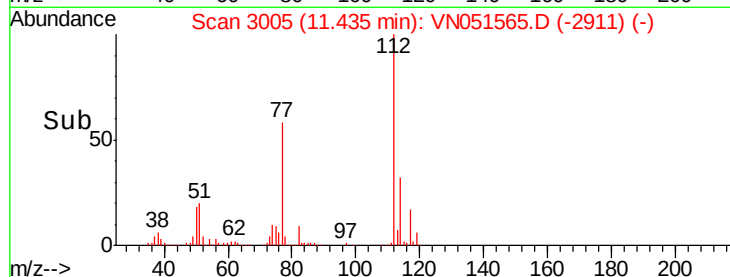
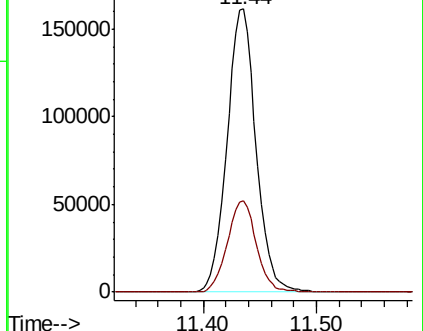
112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.340 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

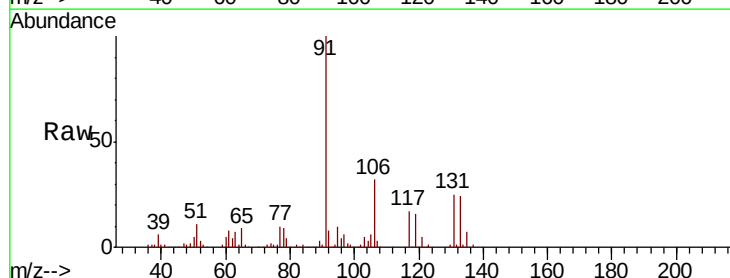
Tgt Ion:131 Resp: 118014

Ion Ratio Lower Upper

131 100

133 95.1 48.3 144.8

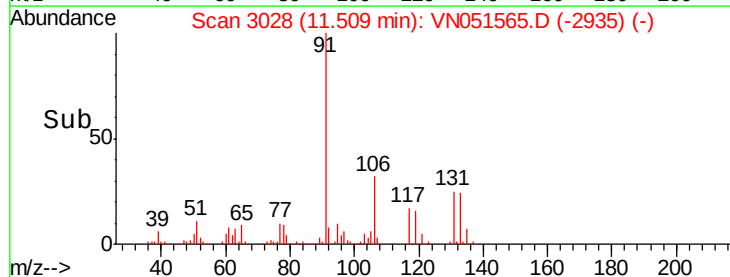
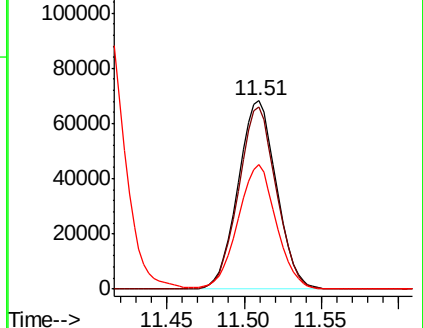
119 65.8 32.8 98.4

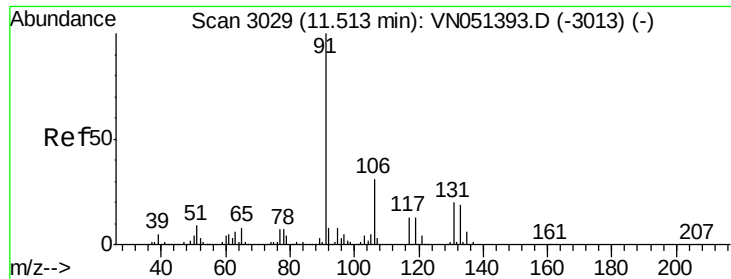


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

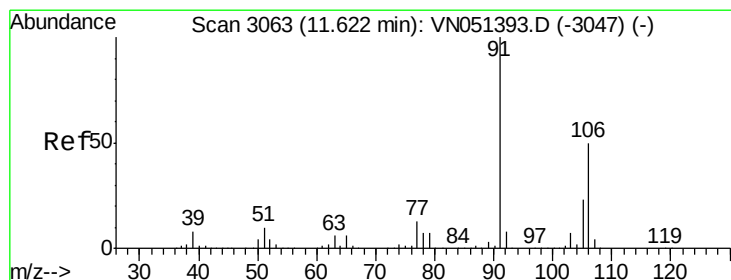
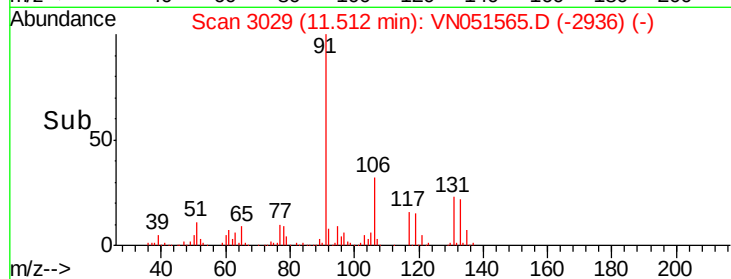
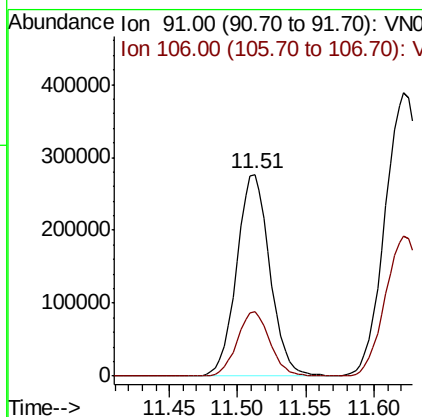
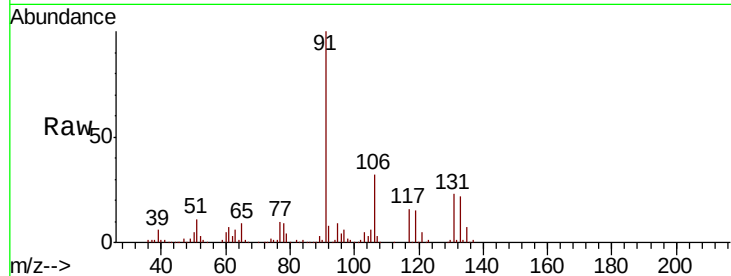




#67
Ethyl Benzene
Concen: 18.198 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

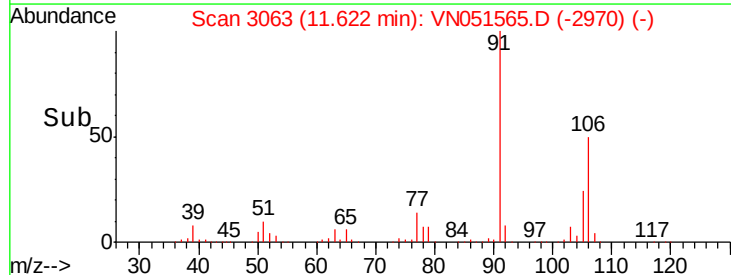
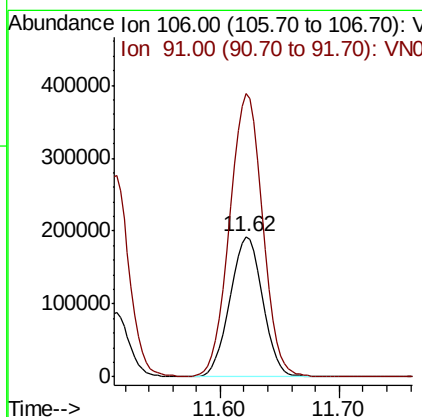
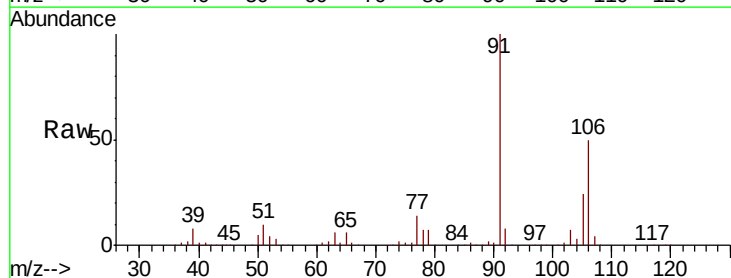
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS02

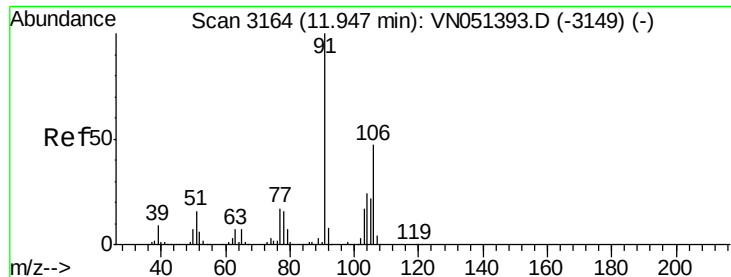
Tot Ion: 91 Resp: 467067
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 37.072 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 106 Resp: 368036
Ion Ratio Lower Upper
106 100
91 202.7 161.3 241.9

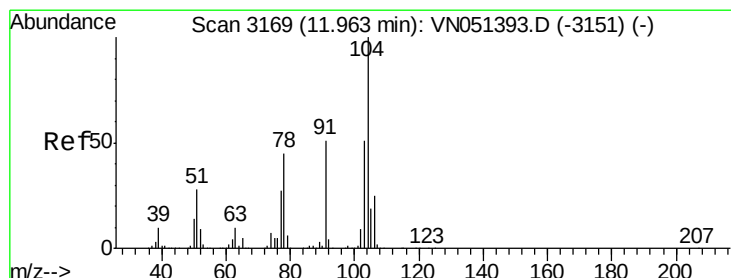
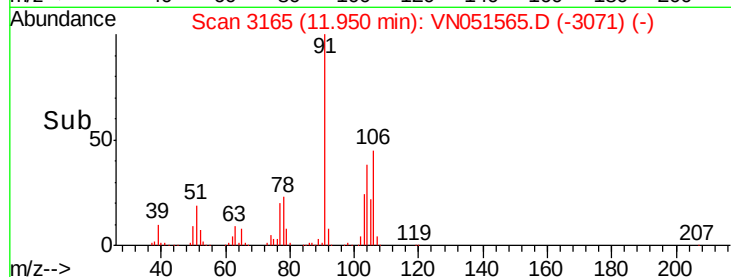
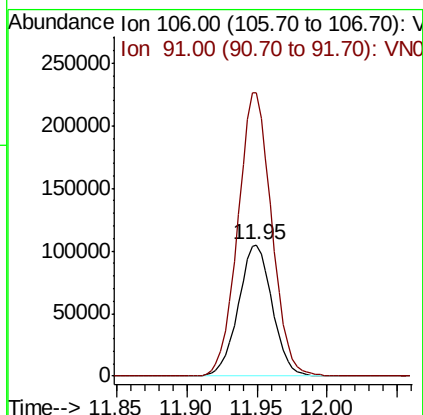
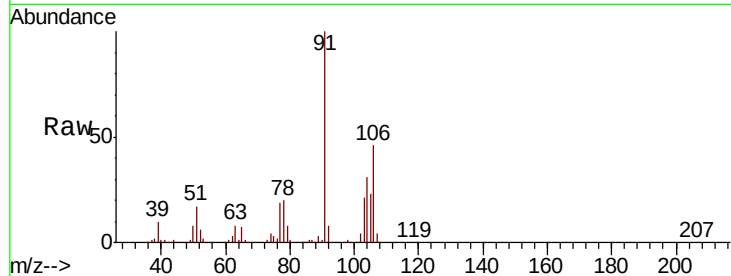




#69
o-Xylene
Concen: 18.451 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

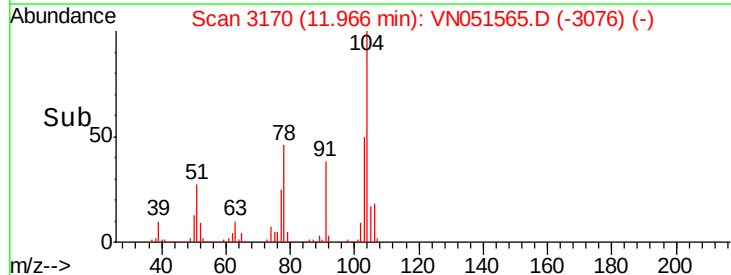
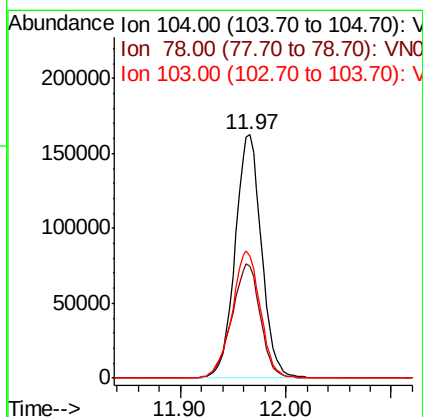
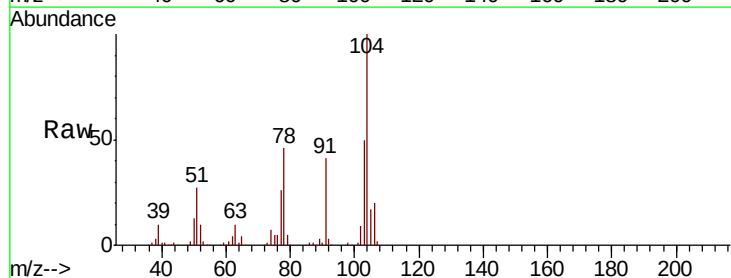
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS02

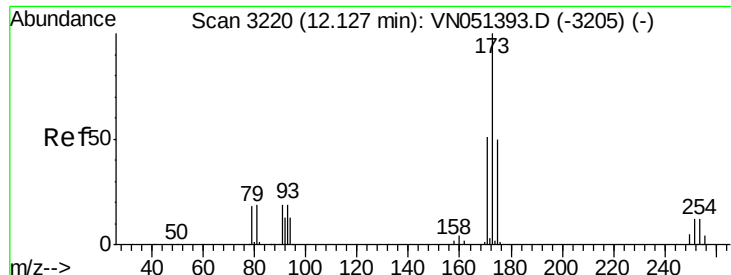
Tot Ion:106 Resp: 176089
Ion Ratio Lower Upper
106 100
91 215.3 105.3 315.9



#70
Styrene
Concen: 18.622 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion:104 Resp: 281617
Ion Ratio Lower Upper
104 100
78 50.5 39.9 59.9
103 56.0 44.6 66.8

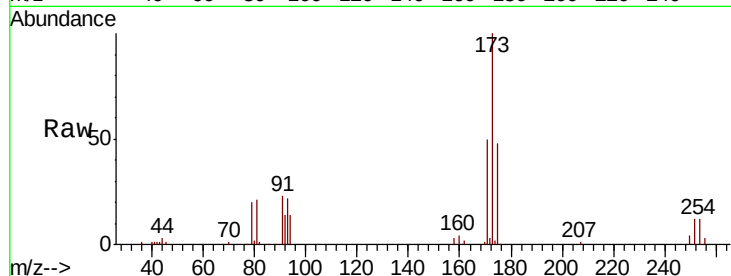




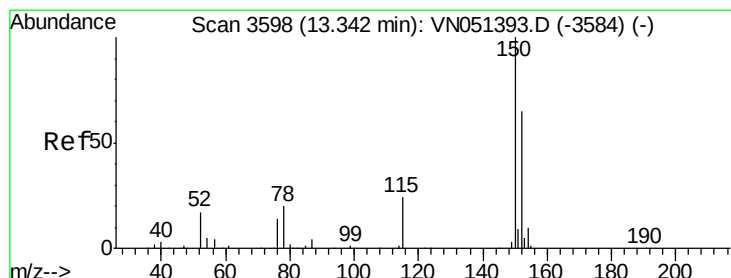
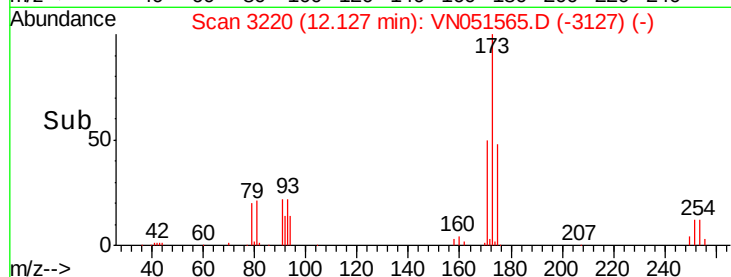
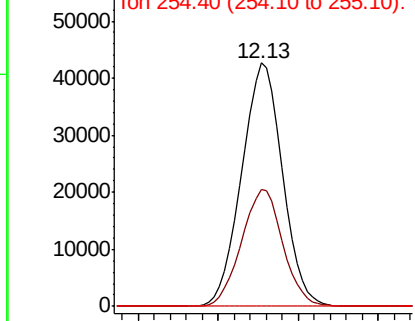
#71
Bromoform
Concen: 18.851 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS02

Tot Ion:173 Resp: 74216
Ion Ratio Lower Upper
173 100
175 48.6 24.8 74.3
254 0.0 0.2 0.2#

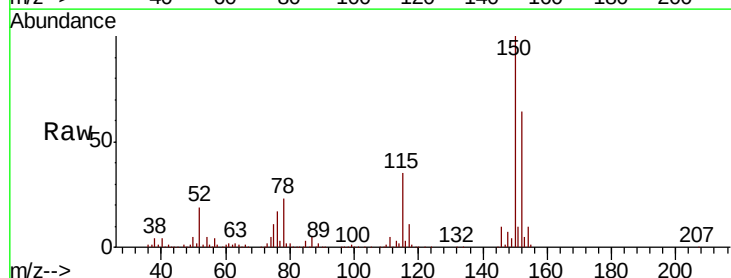


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

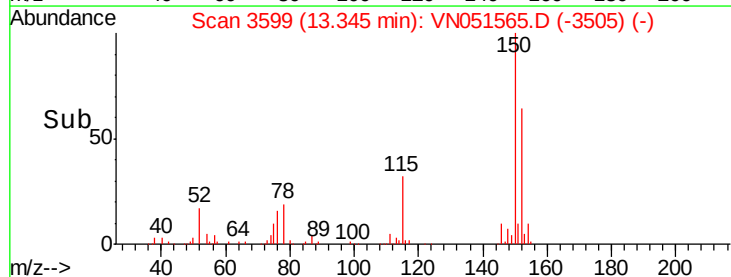
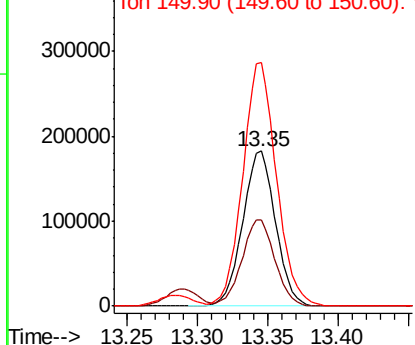


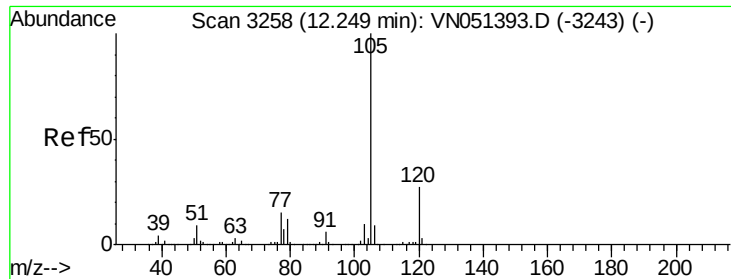
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion:152 Resp: 297857
Ion Ratio Lower Upper
152 100
115 56.1 28.3 84.9
150 161.3 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: 18.830 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

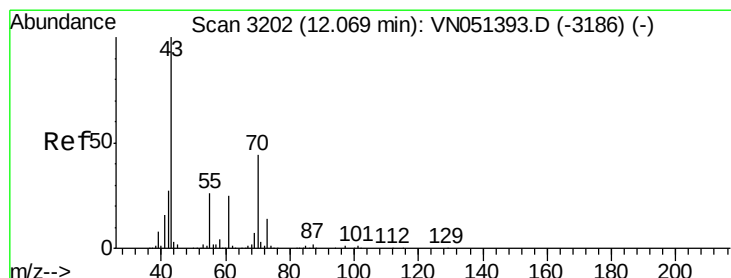
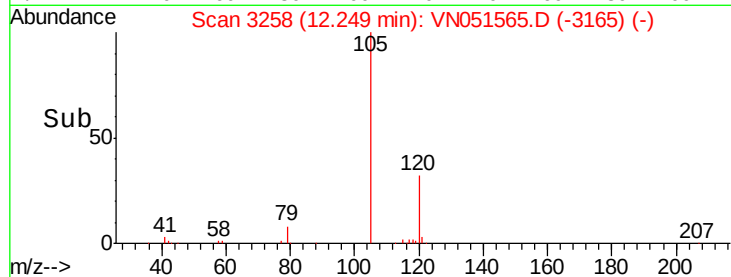
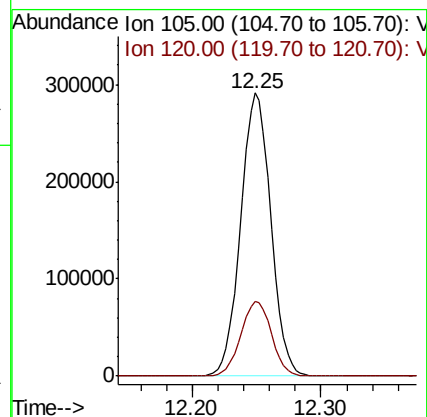
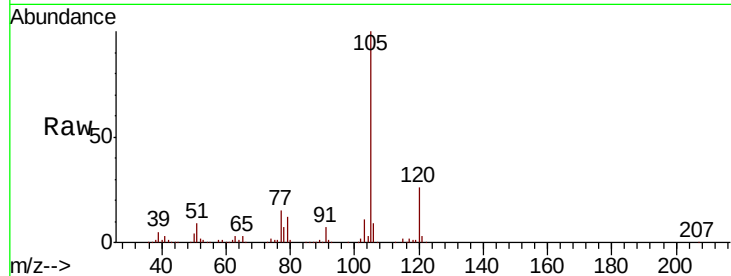
VN0927WBS02

Tot Ion:105 Resp: 473216

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 18.953 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion: 43 Resp: 119512

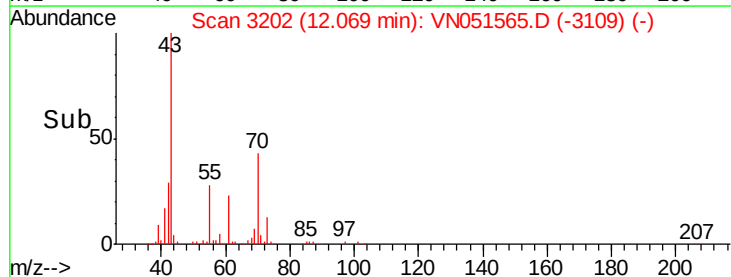
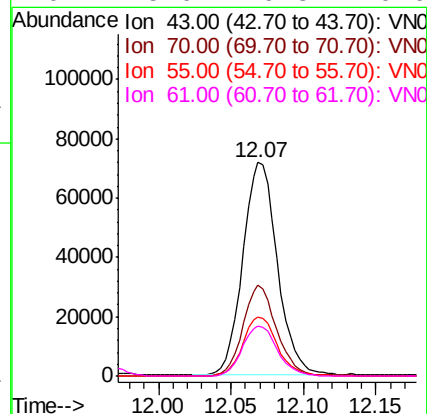
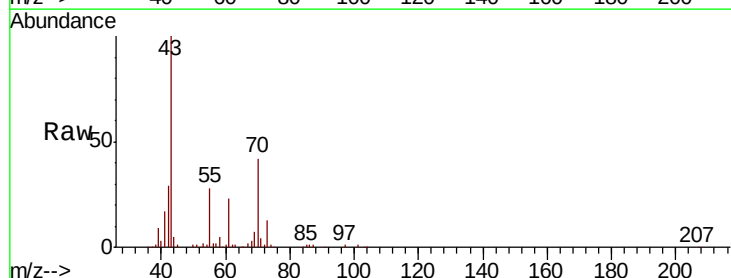
Ion Ratio Lower Upper

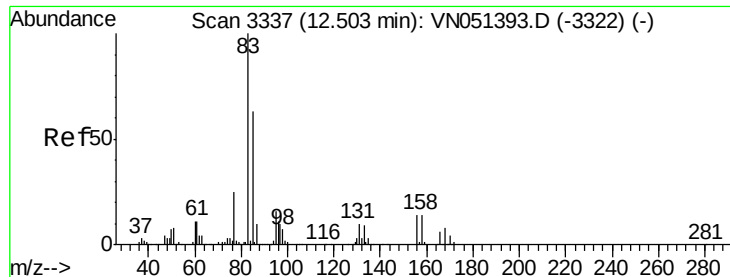
43 100

70 41.1 35.0 52.4

55 27.6 21.4 32.2

61 23.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.072 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

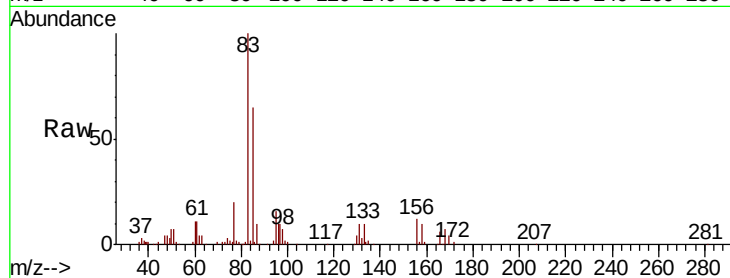
Tot Ion: 83 Resp: 123489

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.9

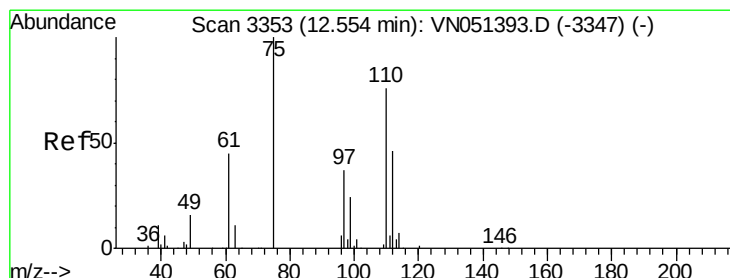
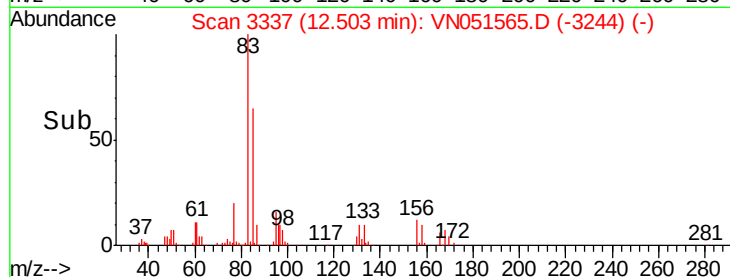
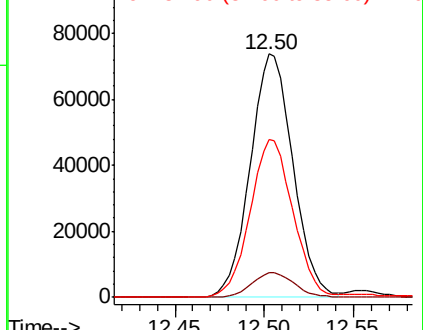
85 65.0 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.927 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051565.D

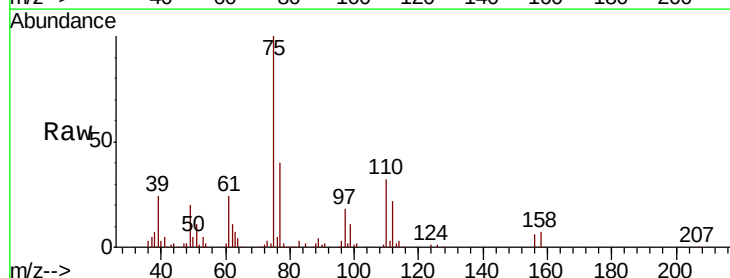
Acq: 27 Sep 2018 5:58

Tgt Ion: 75 Resp: 143032

Ion Ratio Lower Upper

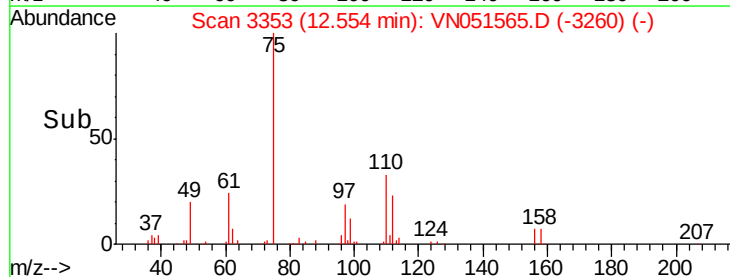
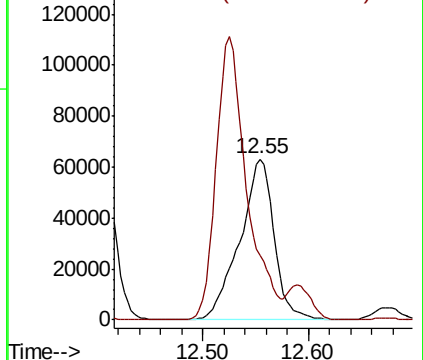
75 100

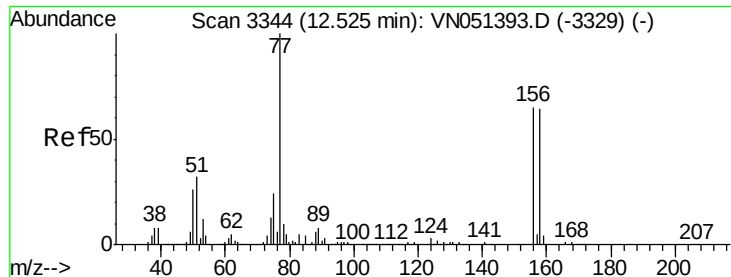
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.560 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

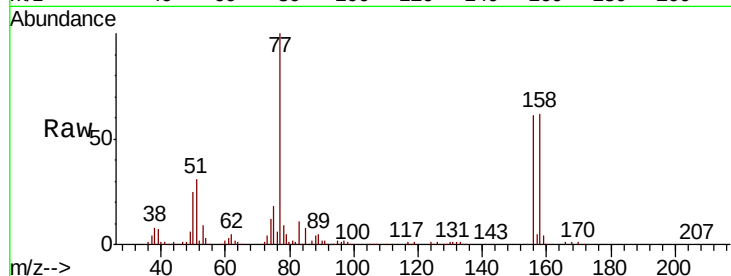
Tot Ion:156 Resp: 118076

Ion Ratio Lower Upper

156 100

77 189.3 89.5 268.4

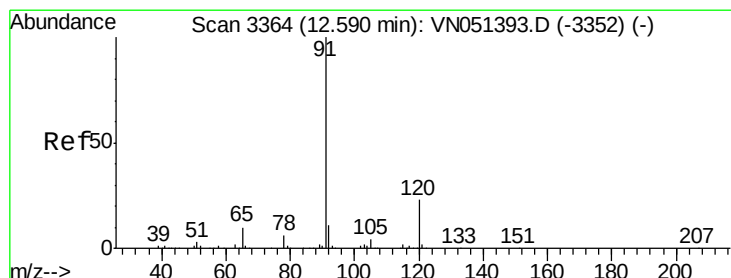
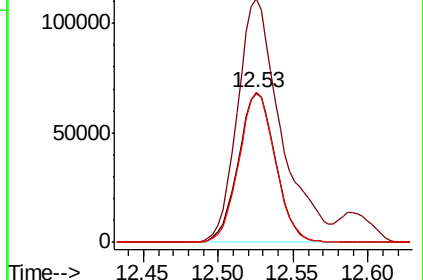
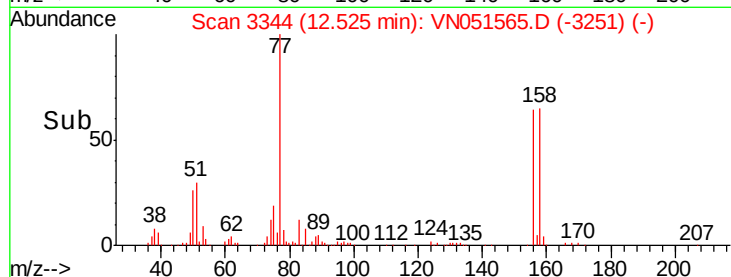
158 98.3 49.4 148.2



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: 18.746 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051565.D

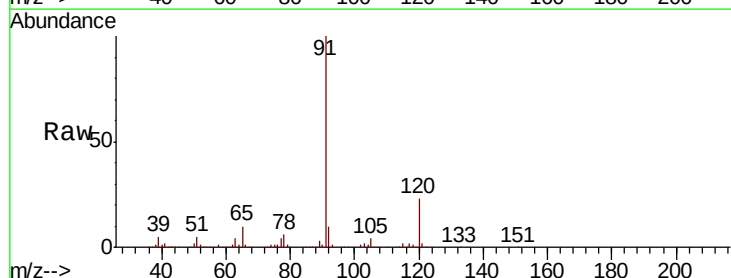
Acq: 27 Sep 2018 5:58

Tgt Ion: 91 Resp: 530955

Ion Ratio Lower Upper

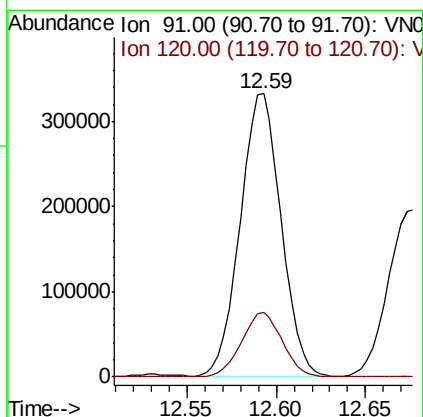
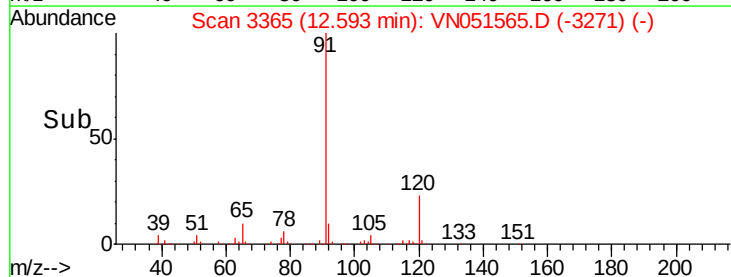
91 100

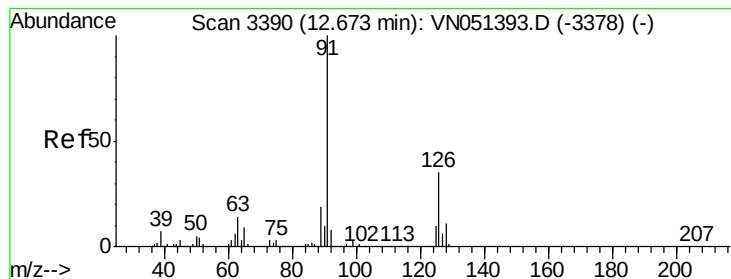
120 22.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.497 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

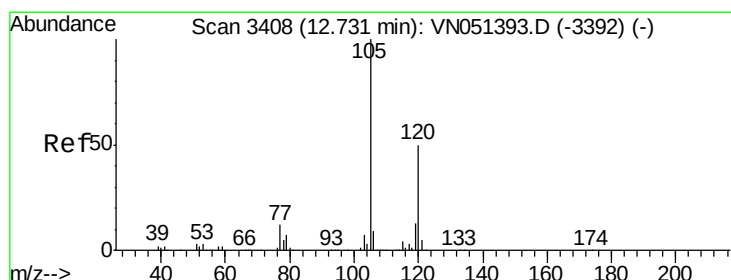
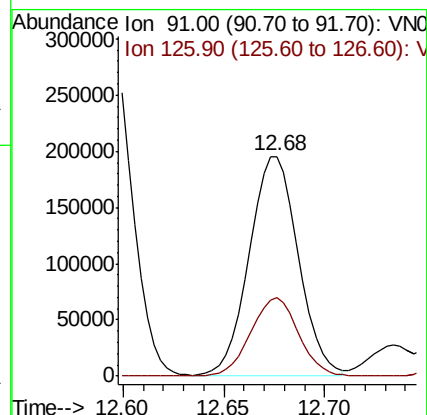
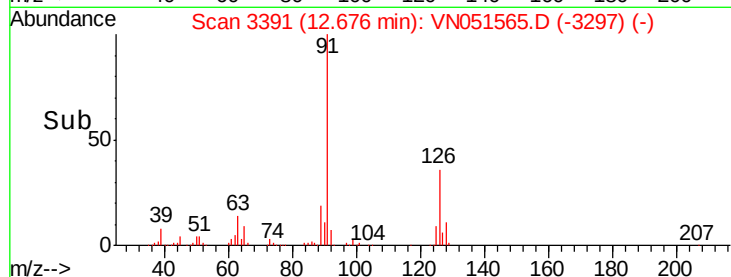
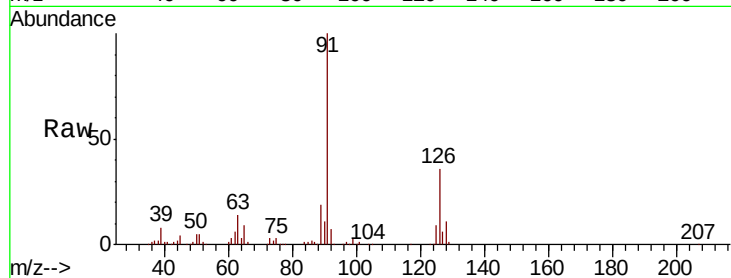
VN0927WBS02

Tot Ion: 91 Resp: 330557

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 19.222 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051565.D

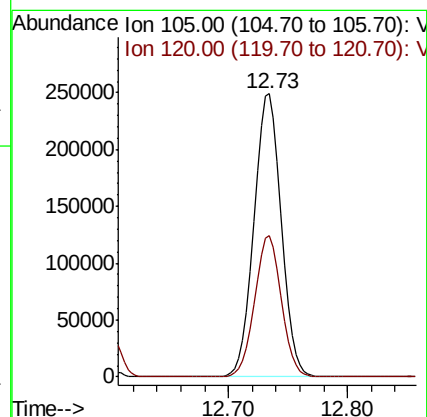
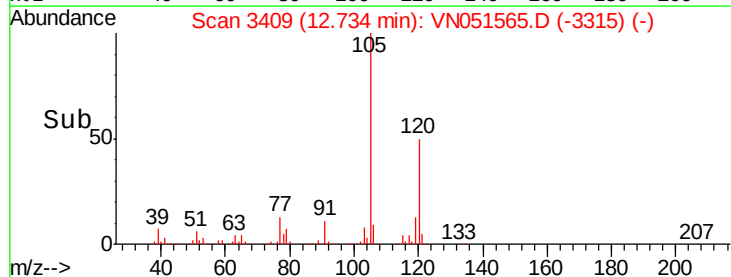
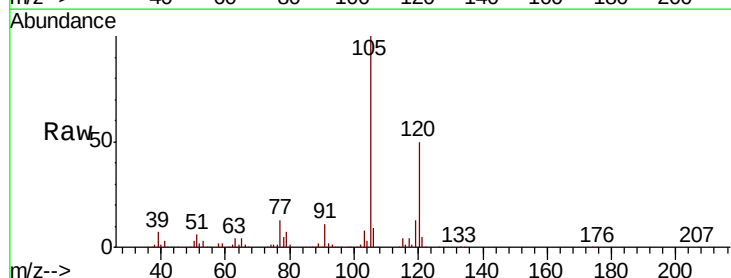
Acq: 27 Sep 2018 5:58

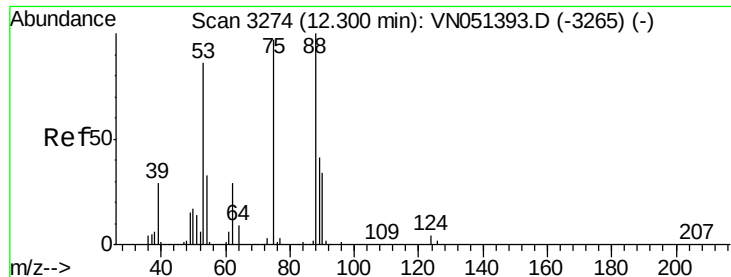
Tgt Ion: 105 Resp: 393894

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.016 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

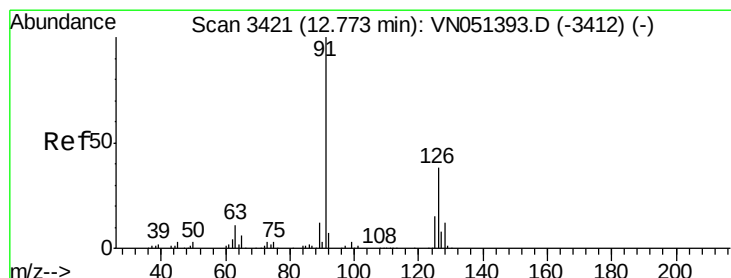
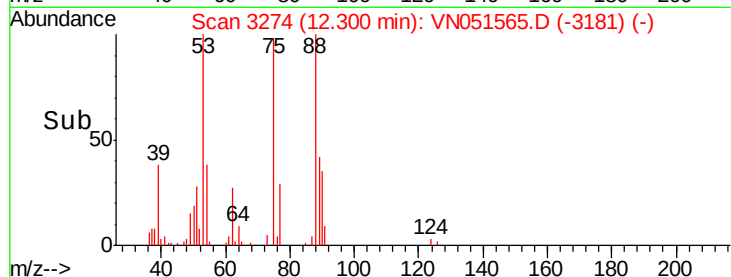
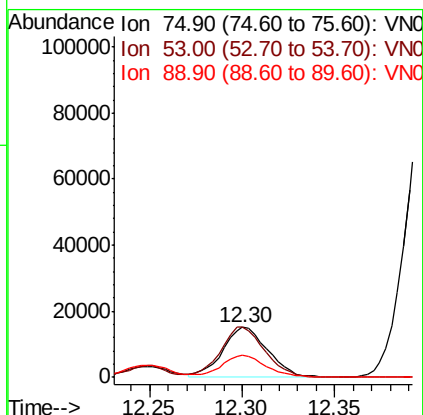
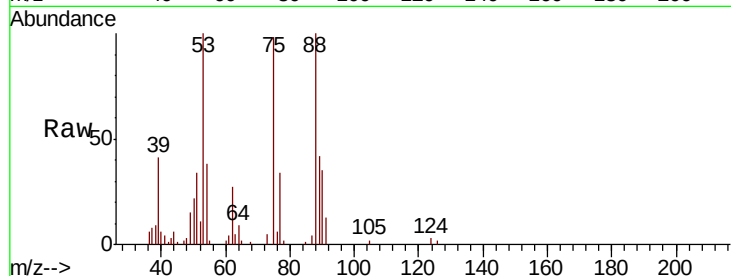
Tot Ion: 75 Resp: 25755

Ion Ratio Lower Upper

75 100

53 98.8 73.9 110.9

89 43.6 36.7 55.1



#82

4-Chlorotoluene

Concen: 19.039 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051565.D

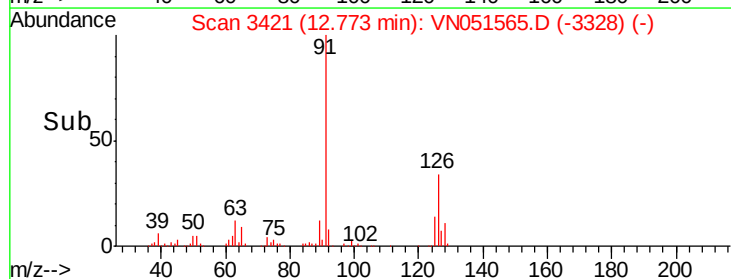
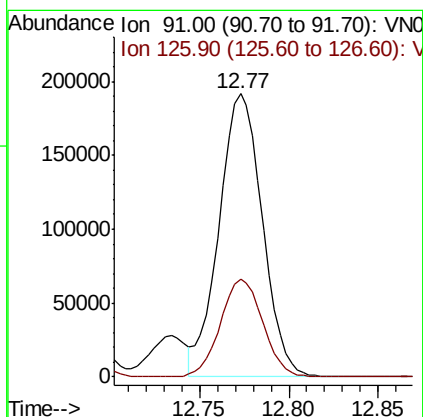
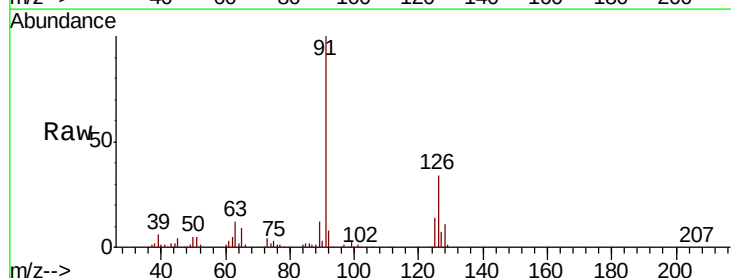
Acq: 27 Sep 2018 5:58

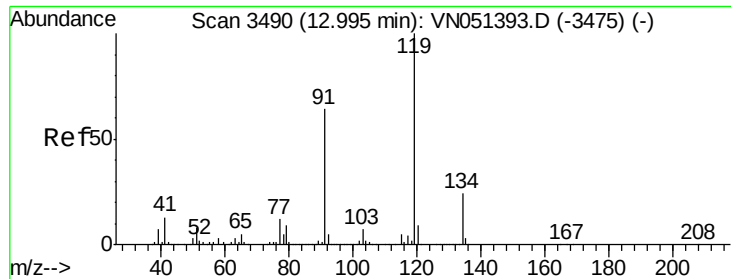
Tgt Ion: 91 Resp: 322179

Ion Ratio Lower Upper

91 100

126 34.0 17.5 52.5

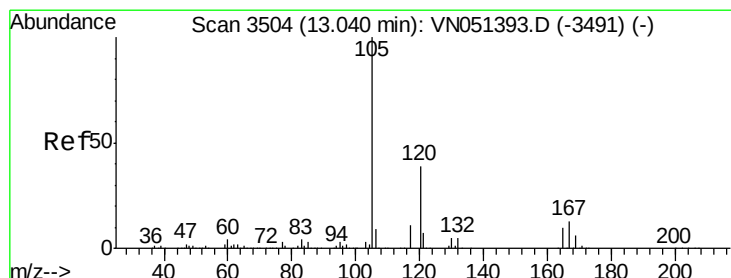
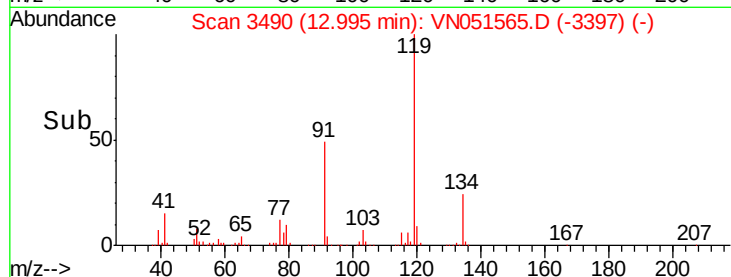
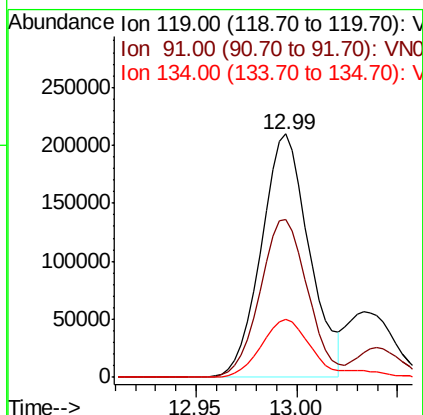
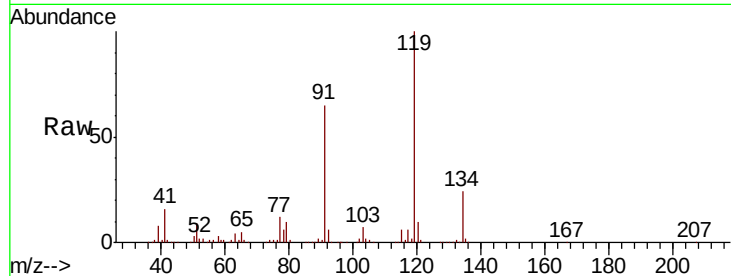




#83
 tert-Butylbenzene
 Concen: 19.010 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

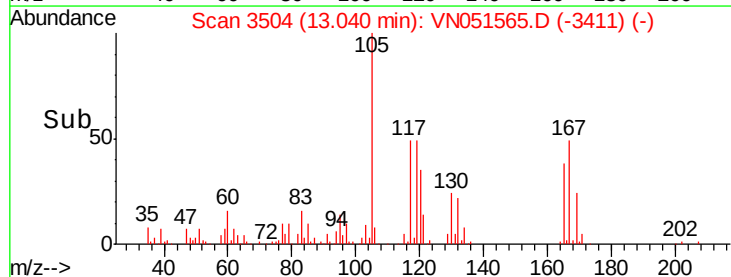
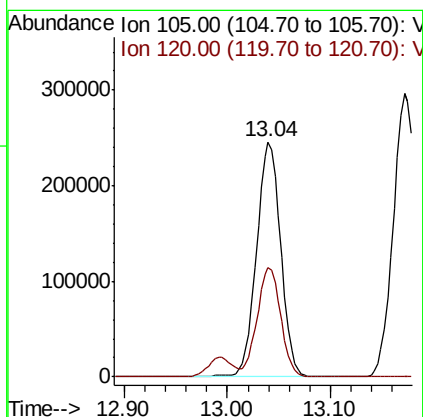
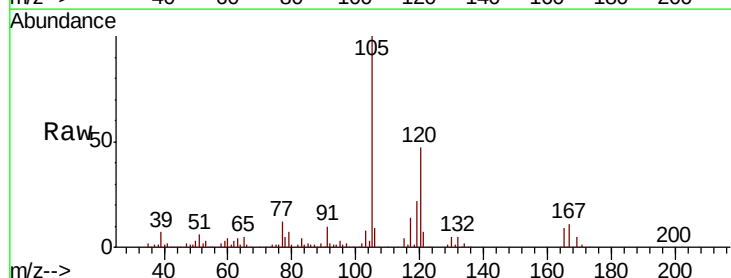
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

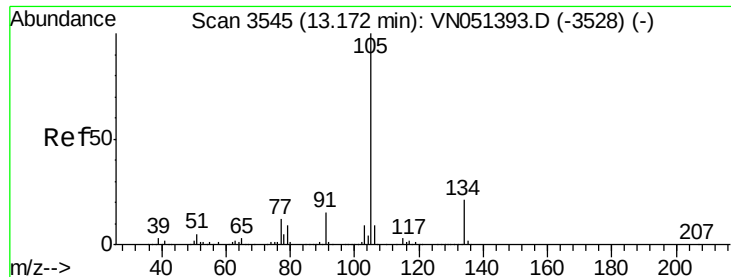
Tot Ion:119 Resp: 346738
 Ion Ratio Lower Upper
 119 100
 91 64.9 31.7 95.1
 134 24.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.318 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion:105 Resp: 398911
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 18.952 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

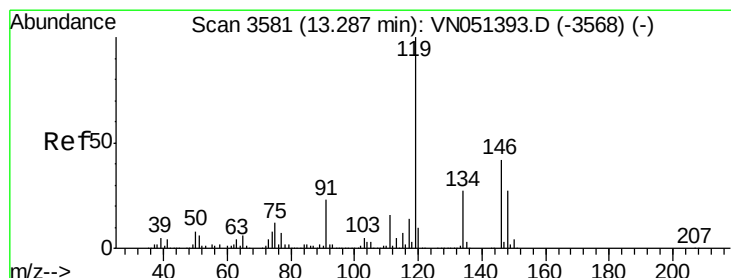
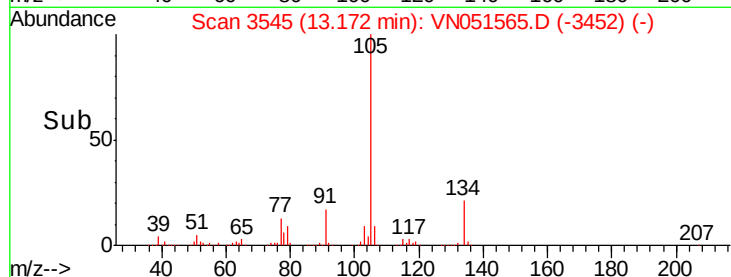
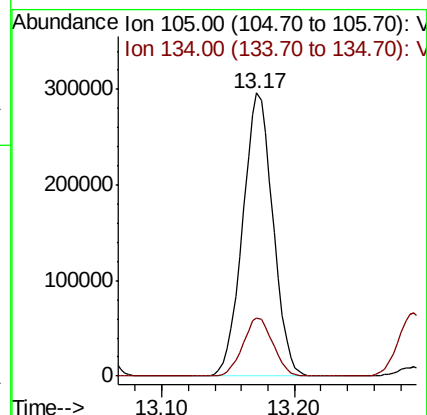
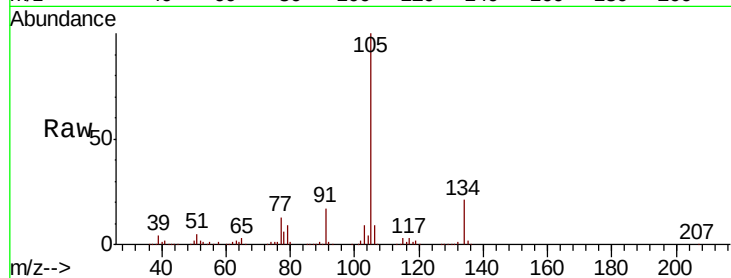
VN0927WBS02

Tot Ion:105 Resp: 467638

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 18.402 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

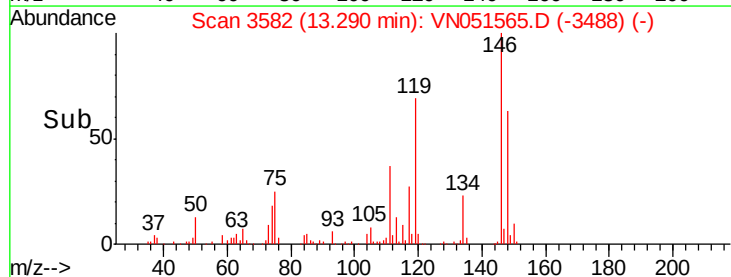
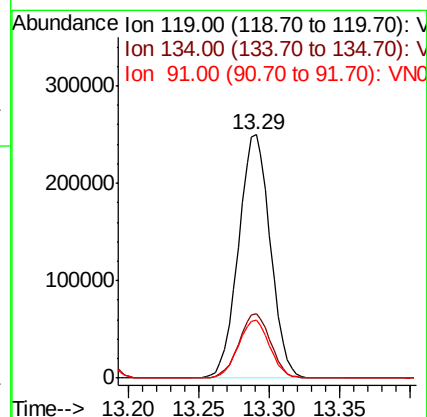
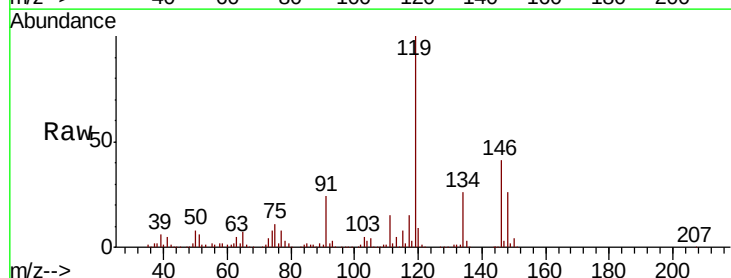
Tgt Ion:119 Resp: 392898

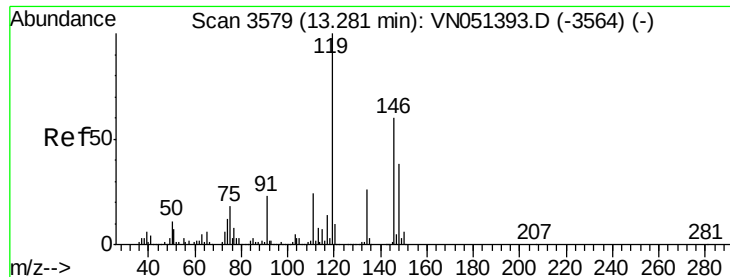
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.899 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

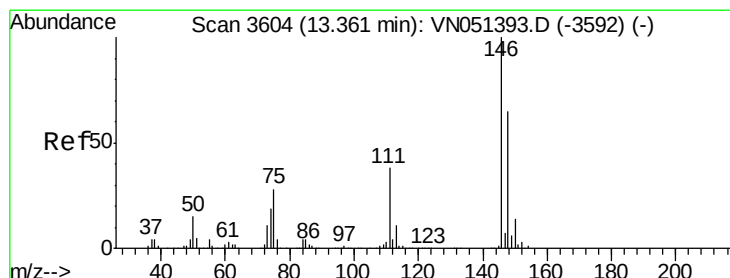
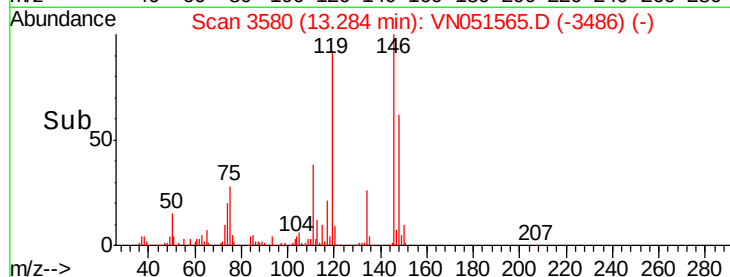
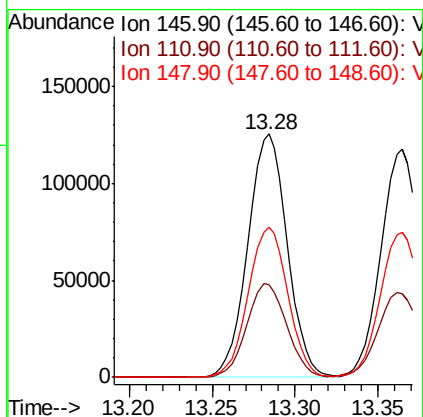
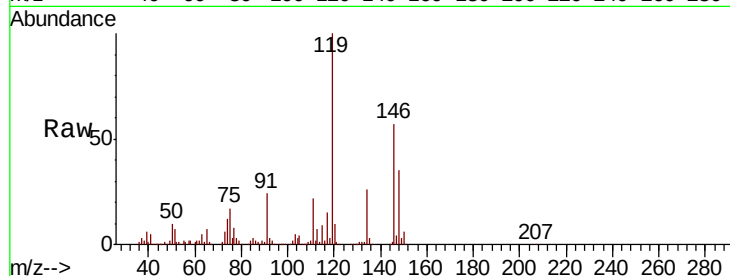
Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion:146 Resp: 208071

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	62.2	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 18.446 ug/l

RT: 13.36 min Scan# 3605

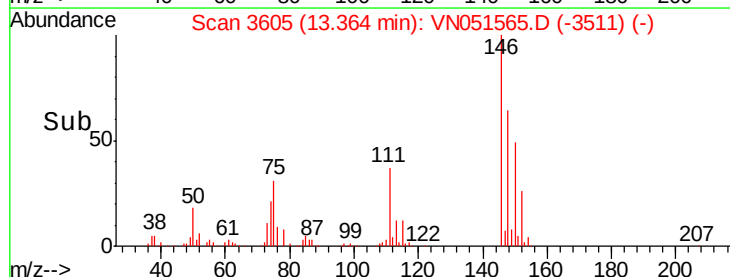
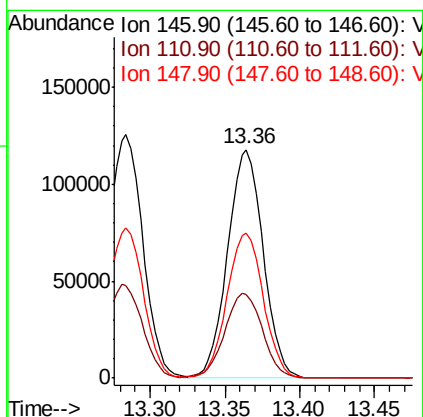
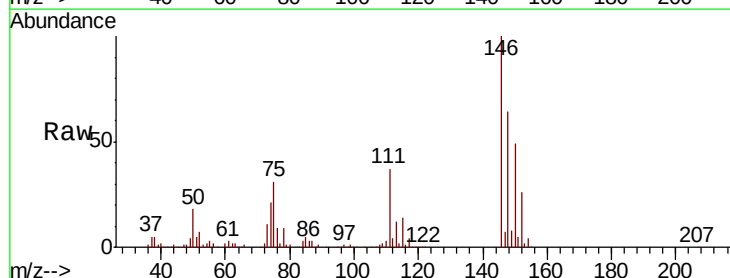
Delta R.T. 0.00 min

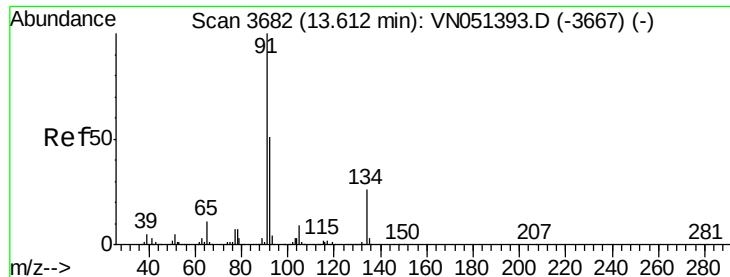
Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:146 Resp: 195404

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	64.9	32.5	97.5





#89

n-Butylbenzene

Concen: 16.835 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

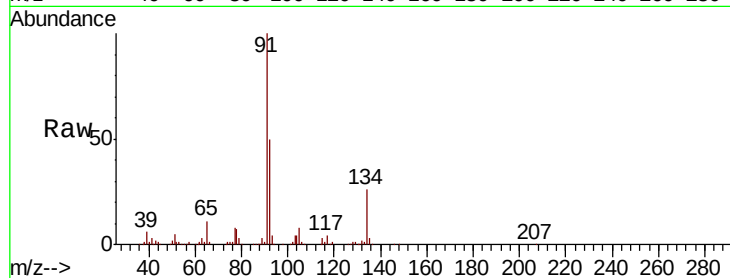
Tot Ion: 91 Resp: 295584

Ion Ratio Lower Upper

91 100

92 50.7 25.5 76.5

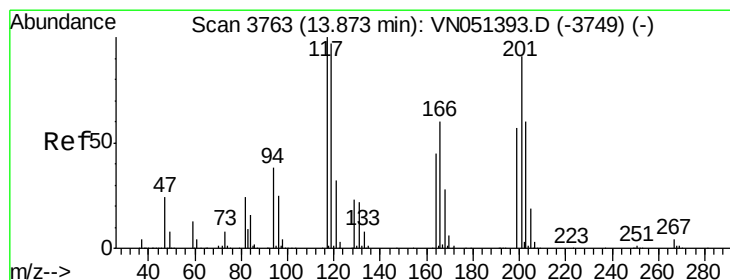
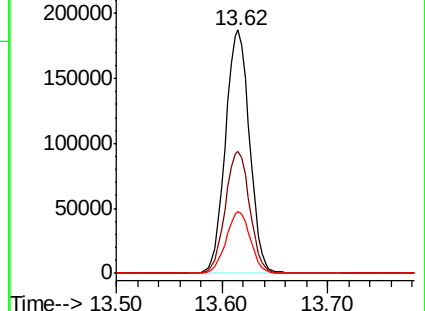
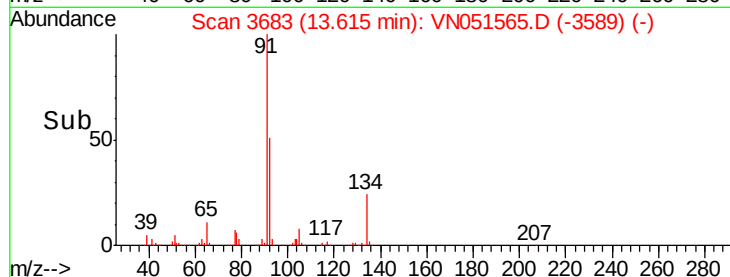
134 25.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051393.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051393.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.248 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051565.D

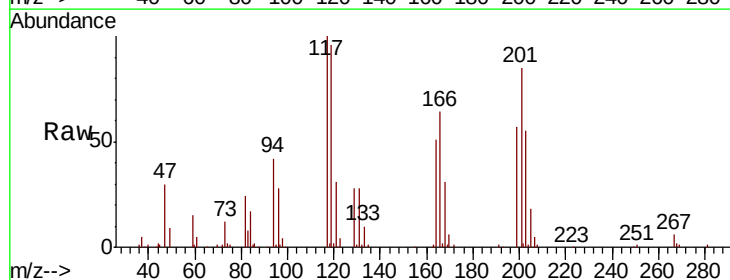
Acq: 27 Sep 2018 5:58

Tgt Ion: 117 Resp: 81886

Ion Ratio Lower Upper

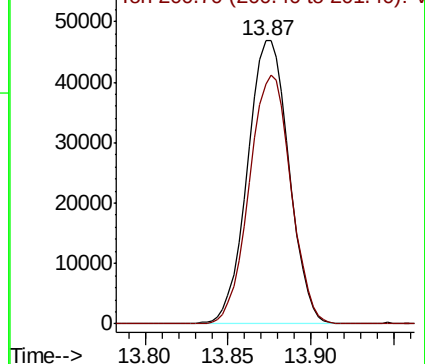
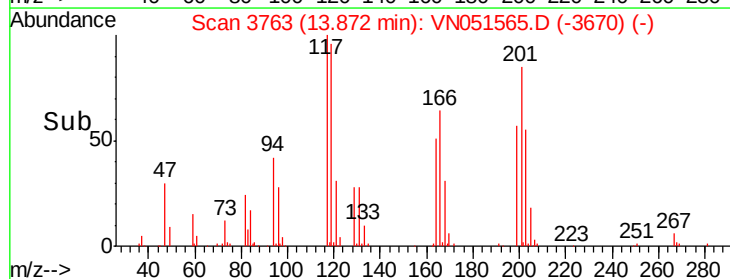
117 100

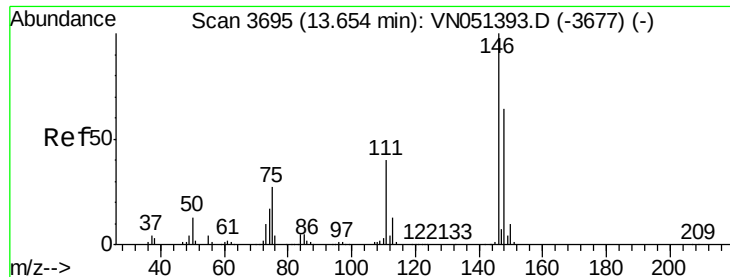
201 87.7 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051393.D (-3749) (-)

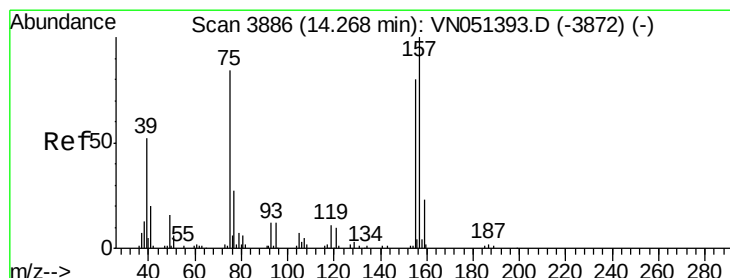
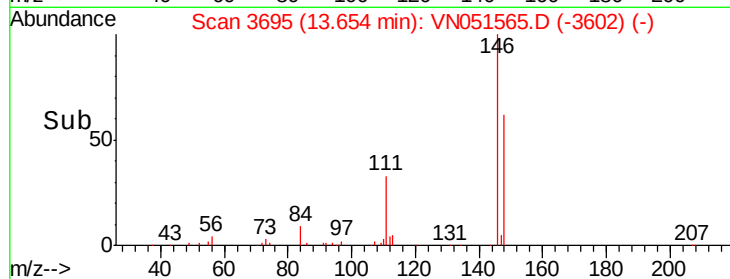
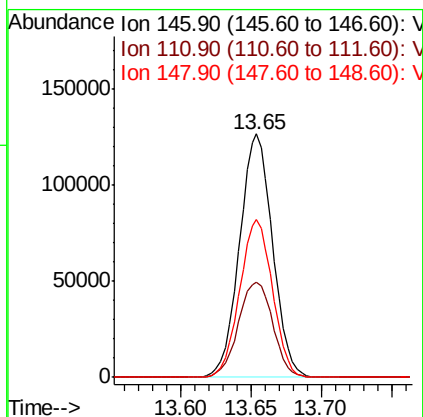
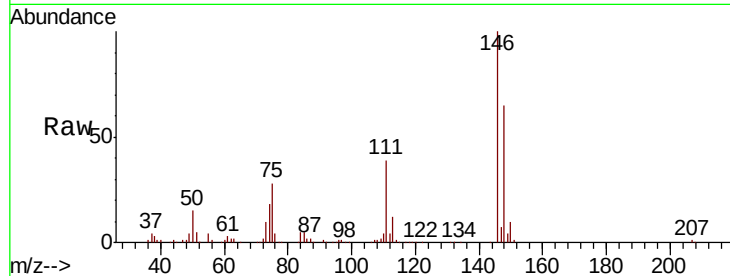




#91
 1,2-Dichlorobenzene
 Concen: 19.463 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

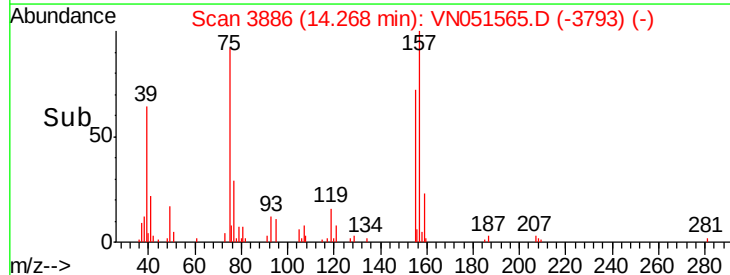
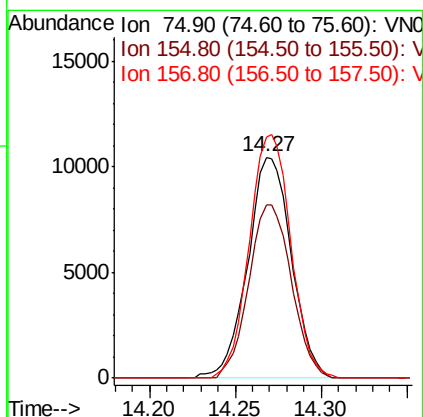
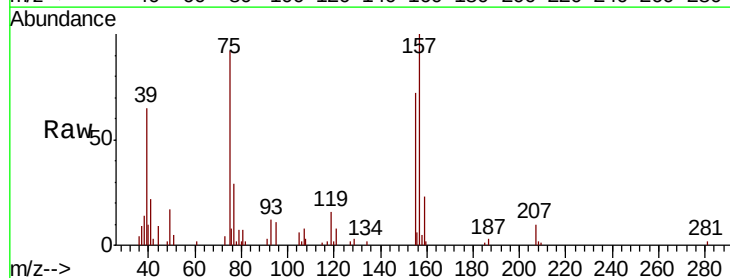
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

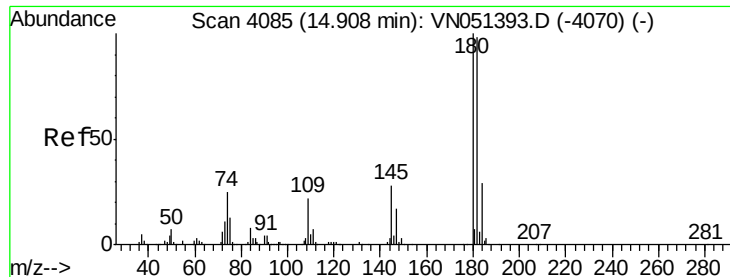
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	64.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.955 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	46.9	140.6
157	105.1	58.4	175.1

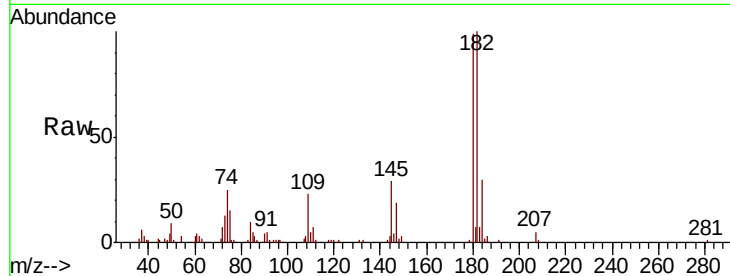




#93
 1,2,4-Trichlorobenzene
 Concen: 17.536 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.5	145.6
145	28.0	14.1	42.4

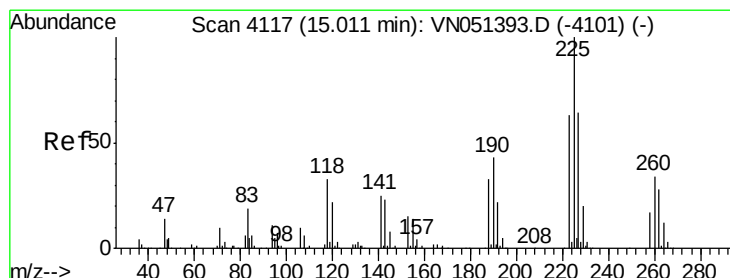
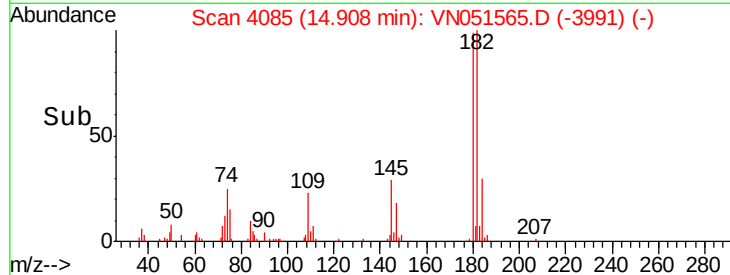
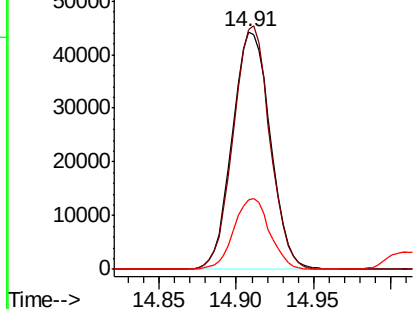


Abundance

Ion 179.80 (179.50 to 180.50): V

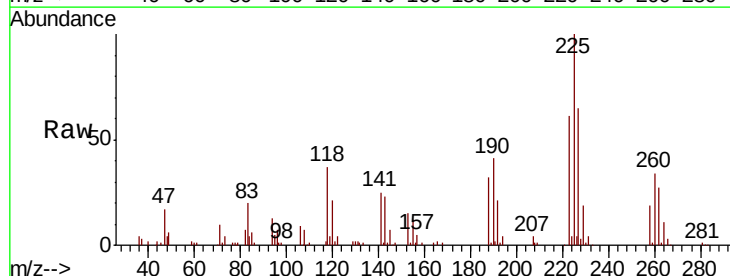
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.214 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.9
227	65.2	32.5	97.5

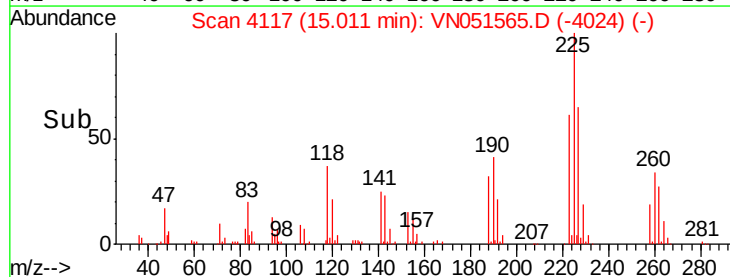
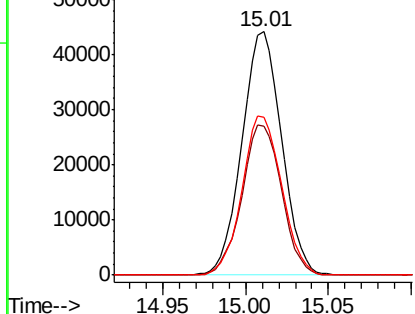


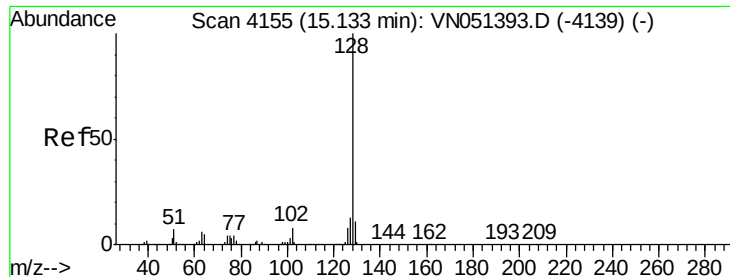
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.974 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

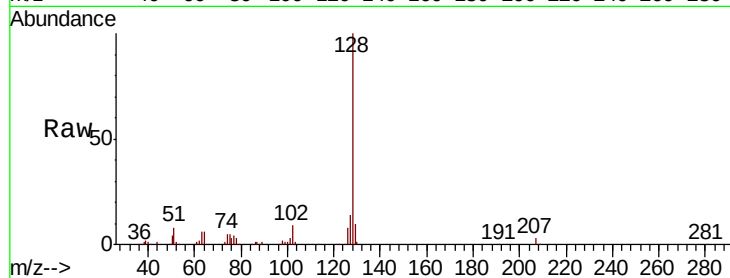
Tot Ion:128 Resp: 131056

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

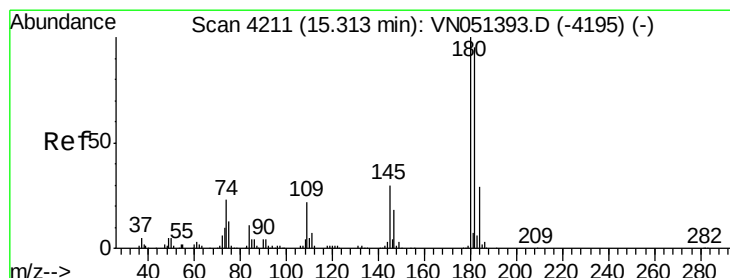
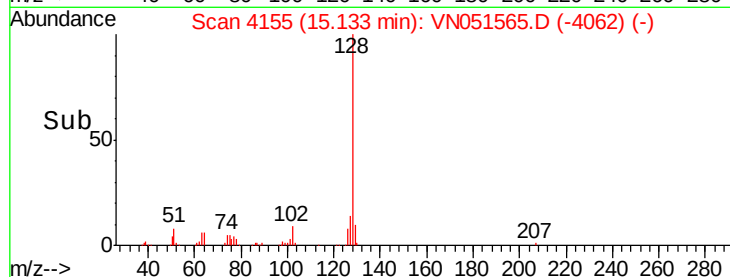
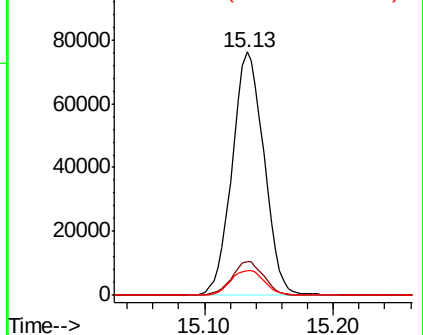
129 10.9 8.6 12.8



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: 16.040 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

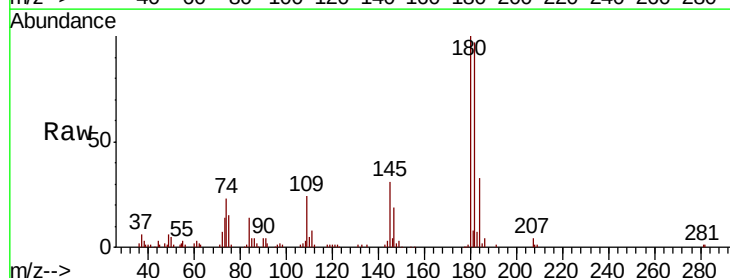
Tgt Ion:180 Resp: 82229

Ion Ratio Lower Upper

180 100

182 97.4 47.2 141.6

145 29.6 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

