

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051666.D
 Acq On : 4 Oct 2018 14:55
 Operator : MD\SY
 Sample : VN1004WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 06:43:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	471547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	714533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306086	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	313543	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	7.59	113	276348	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1009679	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	321269	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117218	20.569	ug/l	99
3) Chloromethane	2.06	50	116250	21.602	ug/l	98
4) Vinyl Chloride	2.18	62	188131	22.193	ug/l	99
5) Bromomethane	2.57	94	133280	20.445	ug/l	96
6) Chloroethane	2.70	64	120362	21.126	ug/l	98
7) Trichlorofluoromethane	3.01	101	184258	20.069	ug/l	98
8) Diethyl Ether	3.41	74	49175	19.907	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	95429	20.254	ug/l	97
10) Methyl Iodide	3.95	142	98802	17.457	ug/l	98
11) Tert butyl alcohol	4.80	59	40366	95.348	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	85892	19.559	ug/l	98
13) Acrolein	3.61	56	25841	97.701	ug/l	95
14) Allyl chloride	4.33	41	129683	19.362	ug/l	97
15) Acrylonitrile	4.99	53	146544	100.310	ug/l	97
16) Acetone	3.82	43	115551	99.403	ug/l	97
17) Carbon Disulfide	4.05	76	257928	19.323	ug/l	99
18) Methyl Acetate	4.33	43	70807	20.593	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	279457	19.280	ug/l	97
20) Methylene Chloride	4.55	84	98548	19.228	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	99292	19.081	ug/l	93
22) Diisopropyl ether	5.96	45	280602	19.544	ug/l	99
23) Vinyl Acetate	5.90	43	1020190	96.640	ug/l	100
24) 1,1-Dichloroethane	5.85	63	175375	18.993	ug/l	98
25) 2-Butanone	6.84	43	181528	100.916	ug/l	99
26) 2,2-Dichloropropane	6.83	77	180460	19.502	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	113710	18.823	ug/l	100
28) Bromochloromethane	7.20	49	73222	17.912	ug/l	97
29) Tetrahydrofuran	7.22	42	111287	100.815	ug/l	99
30) Chloroform	7.37	83	194619	18.759	ug/l	98
31) Cyclohexane	7.65	56	164286	19.428	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	184331	18.331	ug/l	99
36) 1,1-Dichloropropene	7.80	75	140423	18.802	ug/l	99
37) Ethyl Acetate	6.94	43	78000	20.024	ug/l	99
38) Carbon Tetrachloride	7.78	117	168266	18.776	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	181929	19.405	ug/l	99
40) Benzene	8.04	78	417944	18.877	ug/l	98
41) Methacrylonitrile	7.21	41	116593	58.142	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	141132	18.915	ug/l	97
43) Isopropyl Acetate	8.17	43	164227	20.222	ug/l #	88
44) Trichloroethene	8.84	130	116620	18.551	ug/l	97
45) 1,2-Dichloropropane	9.12	63	105351	19.246	ug/l	98
46) Dibromomethane	9.21	93	71022	18.666	ug/l	98
47) Bromodichloromethane	9.40	83	158229	18.891	ug/l	98
48) Methyl methacrylate	9.20	41	73396	19.778	ug/l	98
49) 1,4-Dioxane	9.20	88	21937	394.230	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	424124	103.060	ug/l	98
52) Toluene	10.16	92	269224	18.282	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	159146	18.414	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	170270	18.552	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	97828	18.649	ug/l	98
56) Ethyl methacrylate	10.43	69	124332	18.742	ug/l	96
57) 1,3-Dichloropropane	10.71	76	155369	18.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	233805	85.158	ug/l	98
59) 2-Hexanone	10.75	43	278033	99.481	ug/l	96
60) Dibromochloromethane	10.90	129	123388	17.974	ug/l	99
61) 1,2-Dibromoethane	11.01	107	99946	18.023	ug/l	99
64) Tetrachloroethene	10.63	164	109531	19.281	ug/l	96
65) Chlorobenzene	11.44	112	292343	18.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	118486	18.556	ug/l	98
67) Ethyl Benzene	11.51	91	520945	18.899	ug/l	98
68) m/p-Xylenes	11.62	106	405745	36.789	ug/l	99
69) o-Xylene	11.95	106	200273	18.516	ug/l	98
70) Styrene	11.96	104	308991	17.928	ug/l	99
71) Bromoform	12.13	173	82324	17.333	ug/l #	97
73) Isopropylbenzene	12.25	105	533670	20.453	ug/l	99
74) N-amyl acetate	12.07	43	123020	20.902	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	116436	20.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	145522	37.214	ug/l #	100
77) Bromobenzene	12.53	156	124352	19.492	ug/l	98
78) n-propylbenzene	12.59	91	577338	20.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	336000	20.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445476	20.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34182	20.528	ug/l	94
82) 4-Chlorotoluene	12.77	91	324082	19.234	ug/l	99
83) tert-Butylbenzene	12.99	119	397065	20.153	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	442855	20.107	ug/l	99
85) sec-Butylbenzene	13.17	105	530984	20.373	ug/l	99
86) p-Isopropyltoluene	13.29	119	461169	19.960	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	214626	19.306	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	201534	18.418	ug/l	99
89) n-Butylbenzene	13.62	91	360669	19.743	ug/l	98
90) Hexachloroethane	13.87	117	95747	20.770	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	213013	19.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19024	20.756	ug/l	98

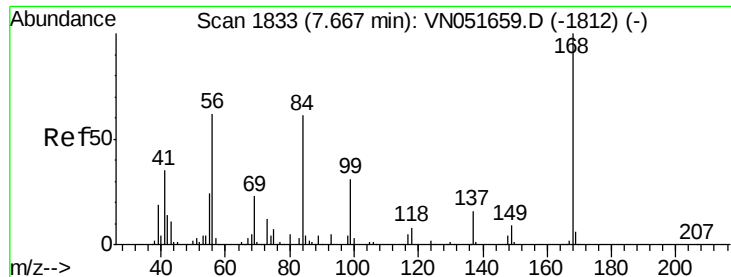
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81032	16.478	ug/l	97
94) Hexachlorobutadiene	15.01	225	67845	20.334	ug/l	98
95) Naphthalene	15.13	128	166138	15.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	82612	17.057	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

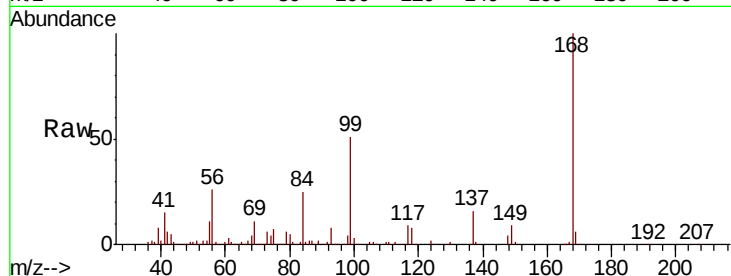
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 471547

Ion Ratio Lower Upper

168 100

99 51.0 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

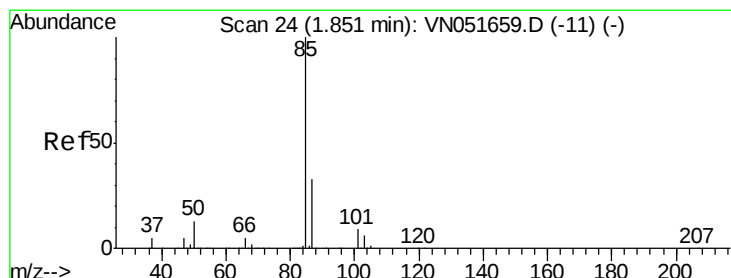
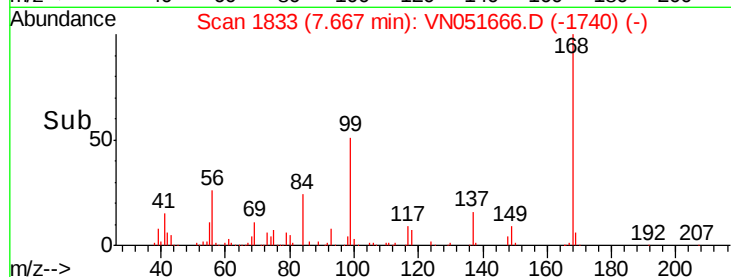
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.569 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051666.D

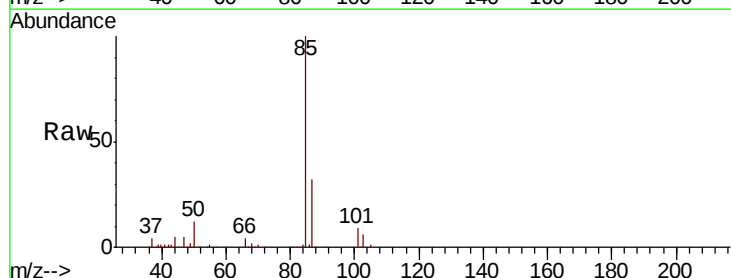
Acq: 4 Oct 2018 14:55

Tgt Ion: 85 Resp: 117218

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

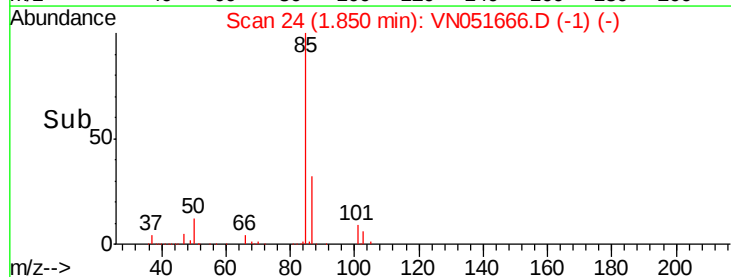
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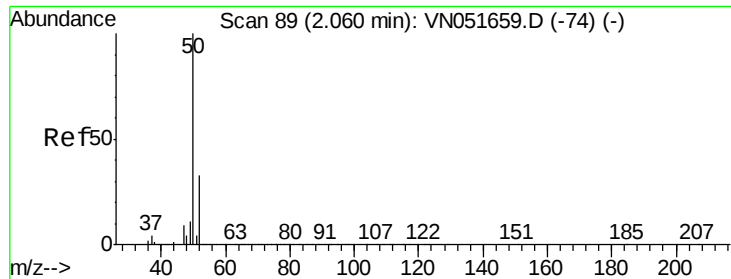
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.602 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

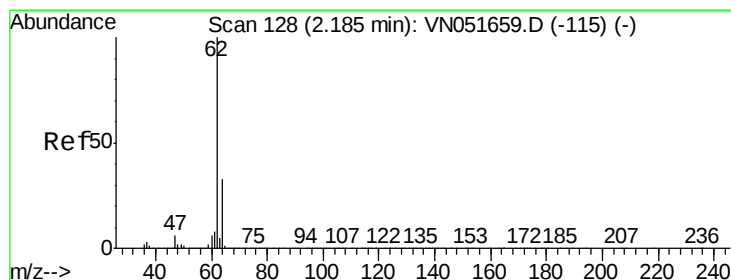
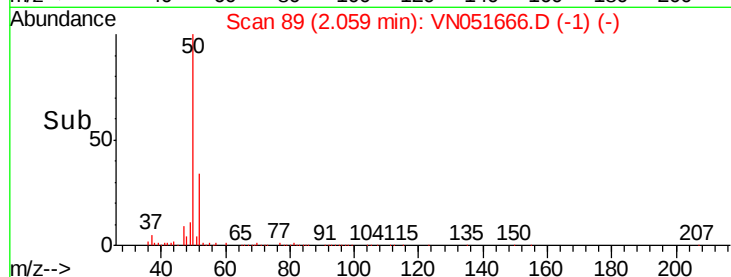
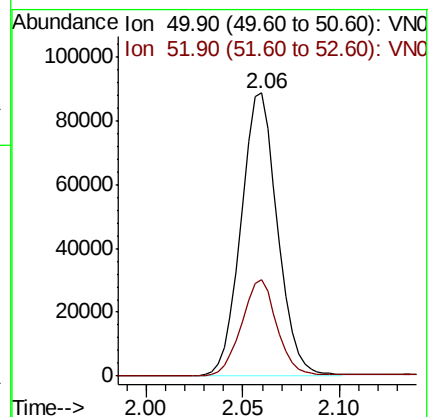
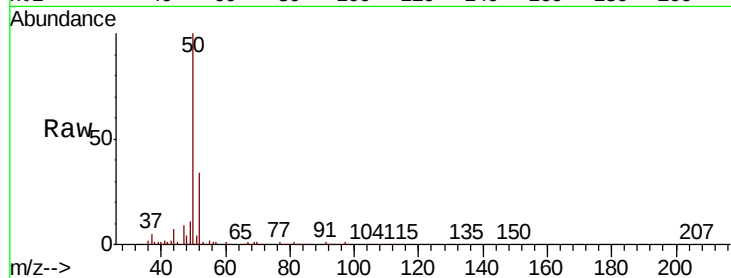
ClientSampleId :

Tot Ion: 50 Resp: 116250

Ion Ratio Lower Upper

50 100

52 34.2 26.6 39.8



#4

Vinyl Chloride

Concen: 22.193 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051666.D

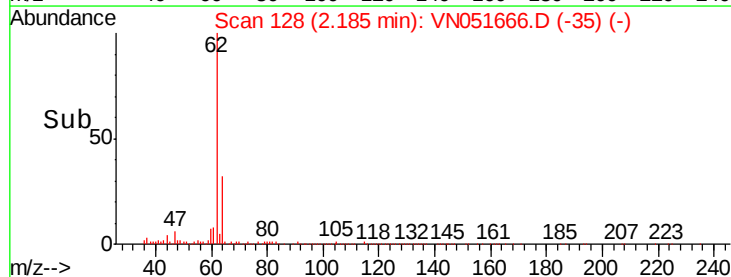
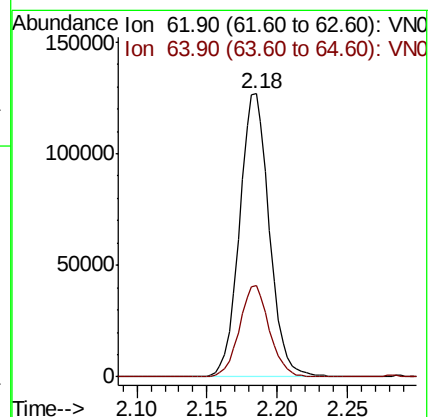
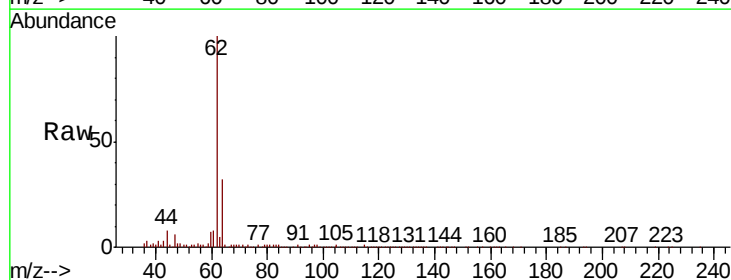
Acq: 4 Oct 2018 14:55

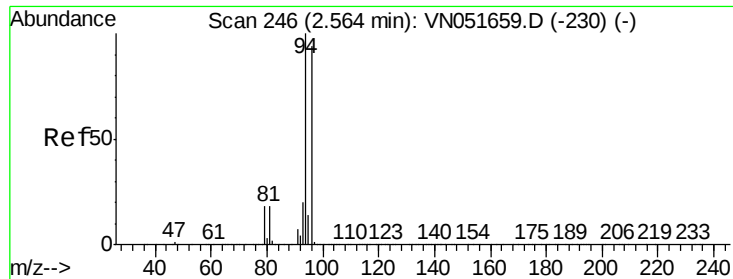
Tgt Ion: 62 Resp: 188131

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 20.445 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

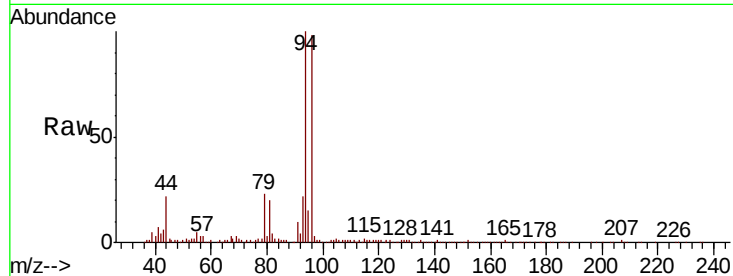
ClientSampleId :

Tot Ion: 94 Resp: 133280

Ion Ratio Lower Upper

94 100

96 97.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

60000

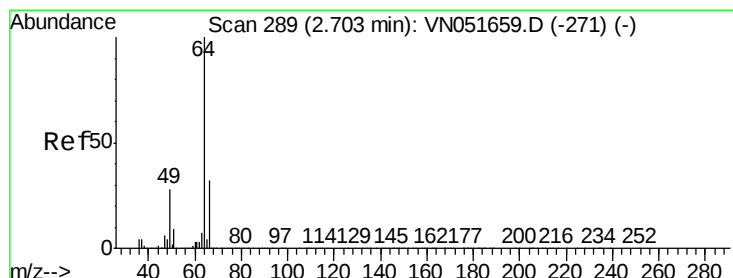
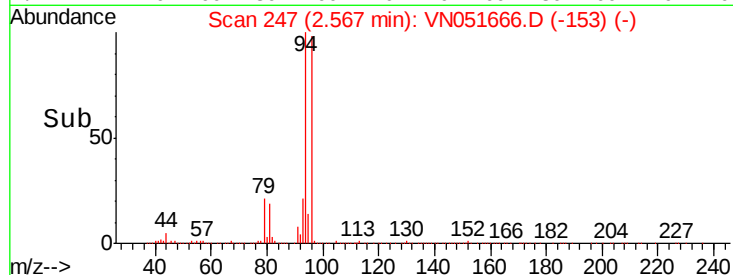
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.126 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051666.D

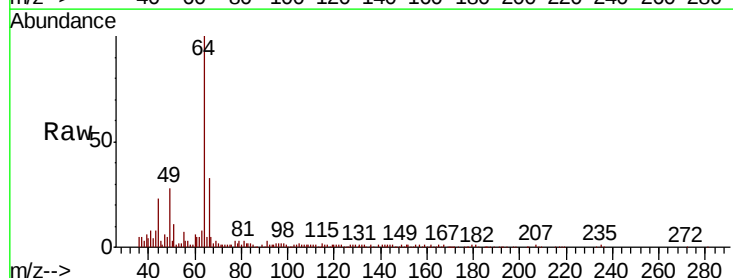
Acq: 4 Oct 2018 14:55

Tgt Ion: 64 Resp: 120362

Ion Ratio Lower Upper

64 100

66 31.6 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

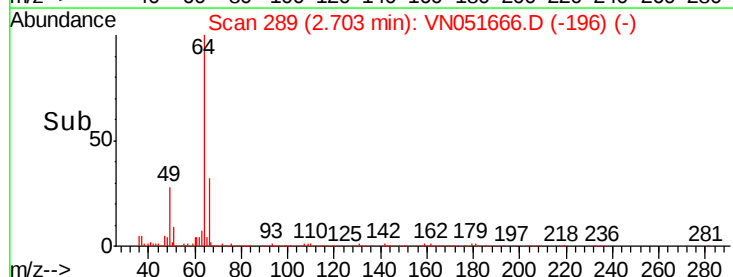
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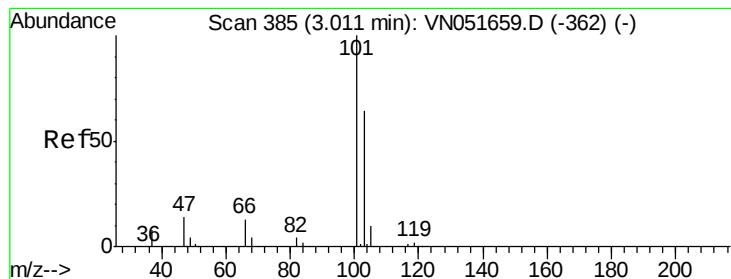
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0

Time-->

2.60 2.65 2.70 2.75 2.80



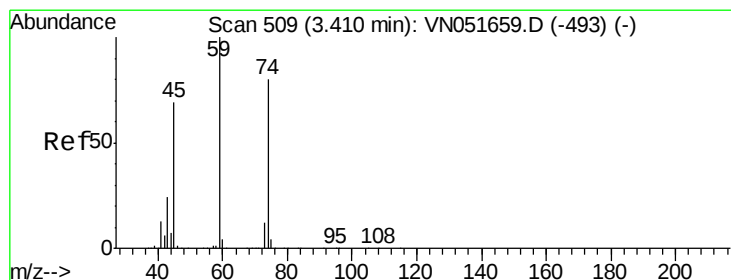
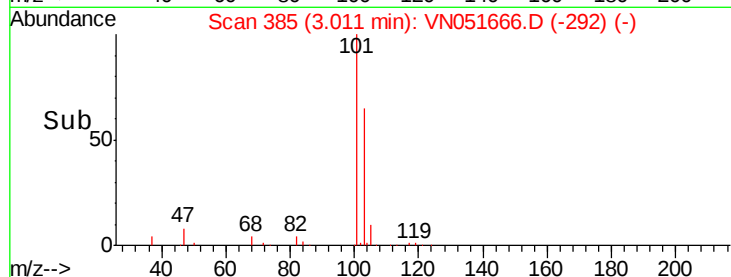
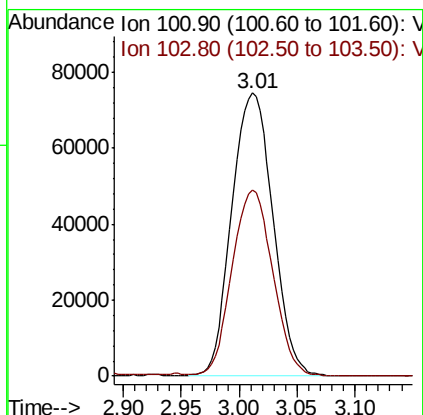
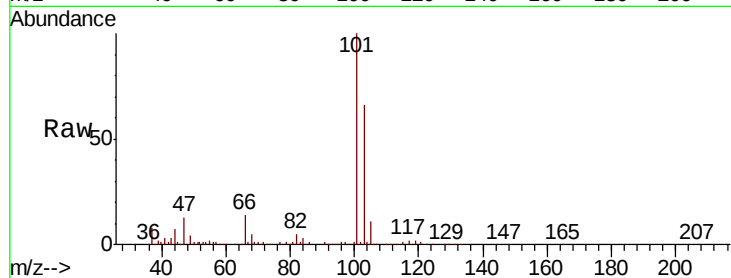


#7

Trichlorofluoromethane
 Concen: 20.069 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampled :

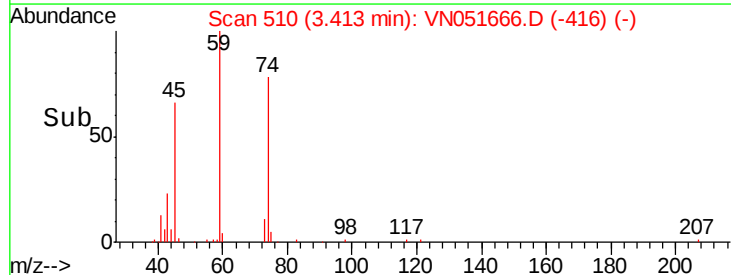
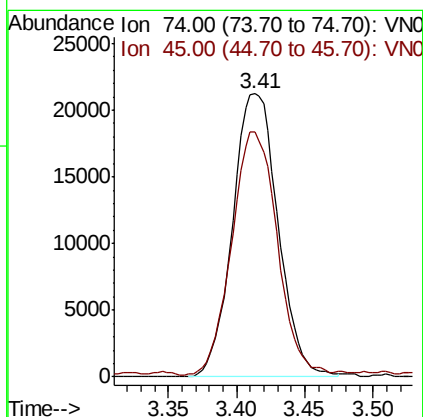
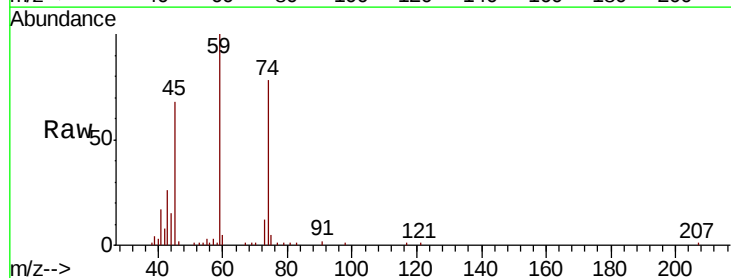
Tot Ion:101 Resp: 184258
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.1 76.7

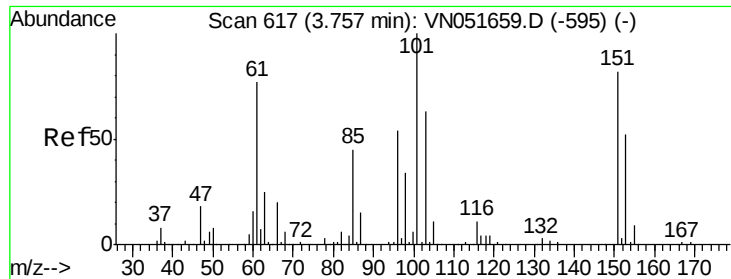


#8

Diethyl Ether
 Concen: 19.907 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 74 Resp: 49175
 Ion Ratio Lower Upper
 74 100
 45 85.6 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.254 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

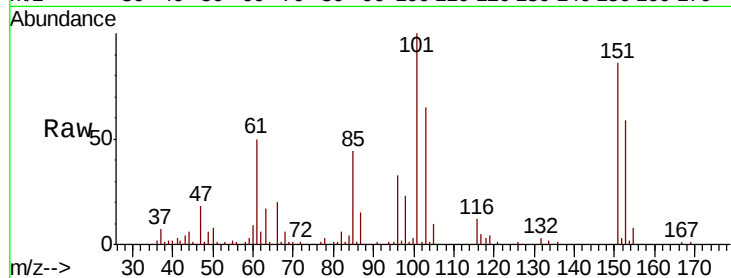
Tot Ion:101 Resp: 95429

Ion Ratio Lower Upper

101 100

85 46.3 35.6 53.4

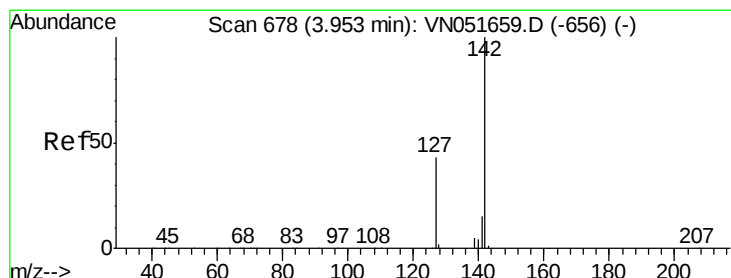
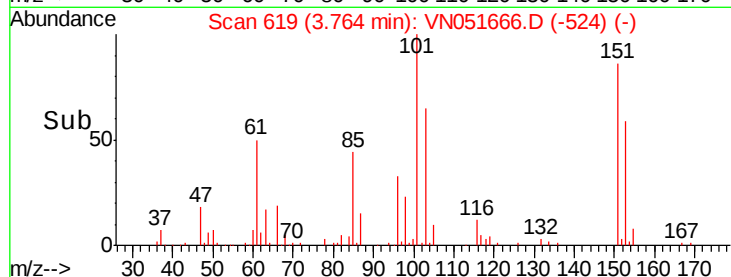
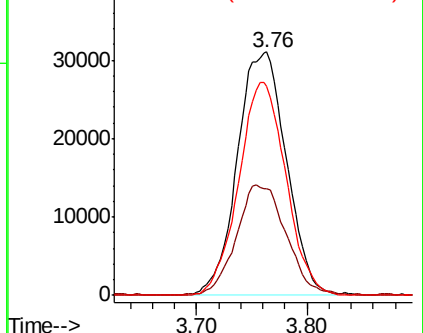
151 84.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.457 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

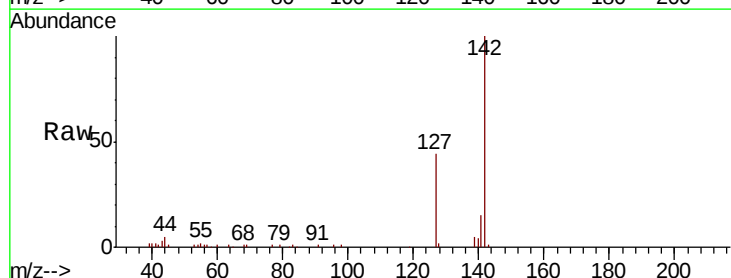
Tgt Ion:142 Resp: 98802

Ion Ratio Lower Upper

142 100

127 44.7 34.7 52.1

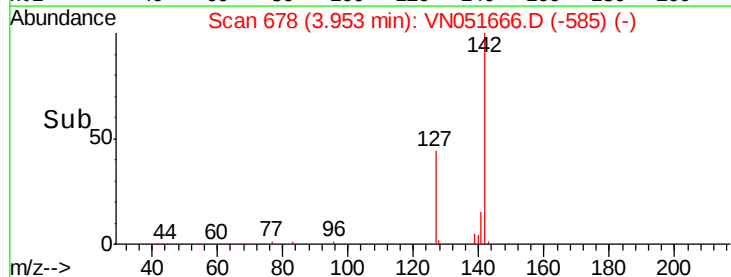
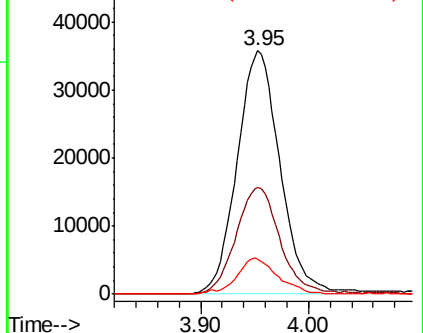
141 13.7 11.4 17.2

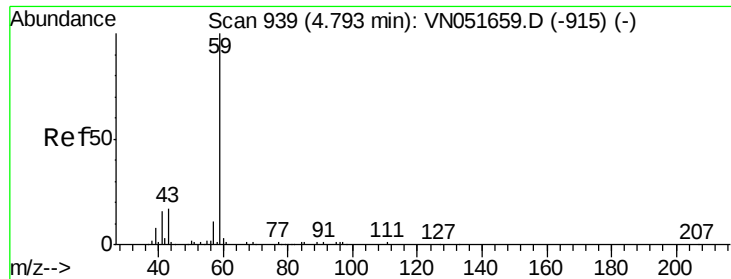


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

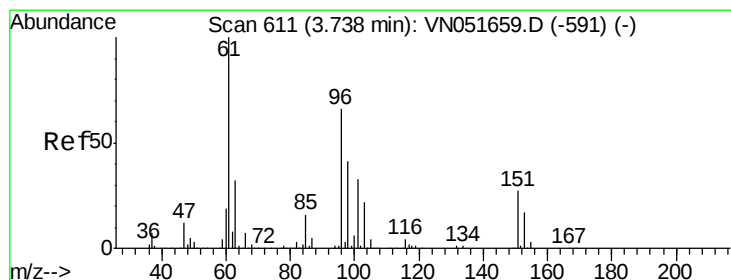
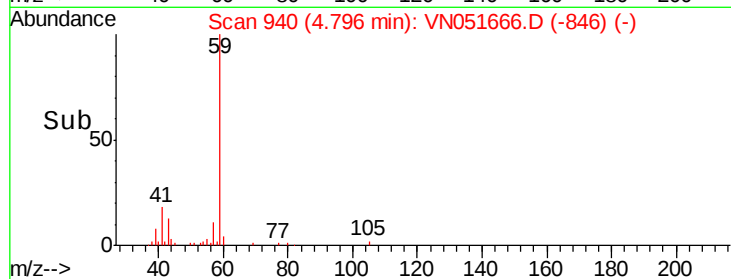
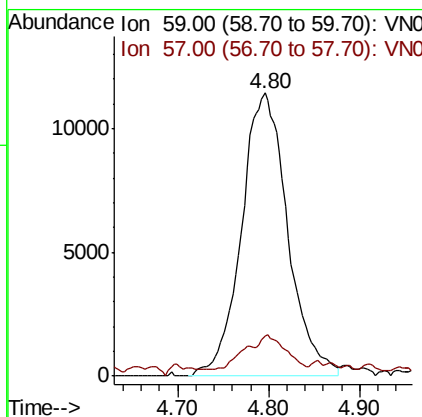
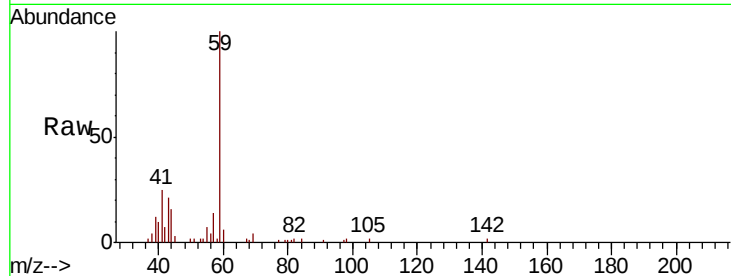




#11
Tert butyl alcohol
Concen: 95.348 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

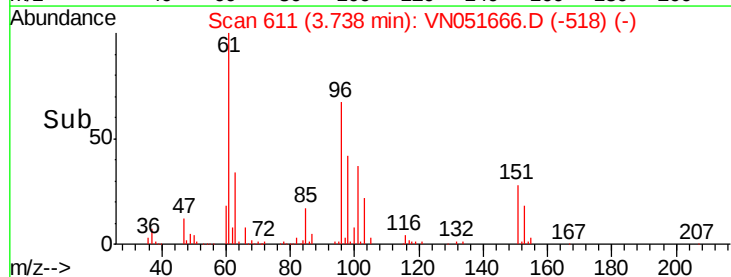
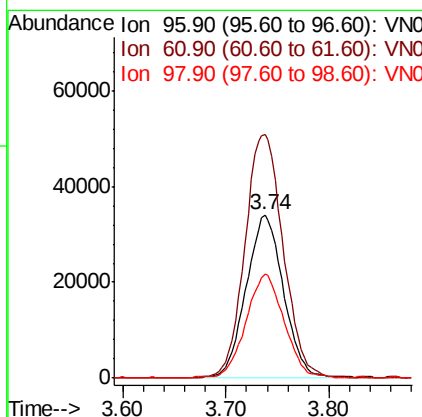
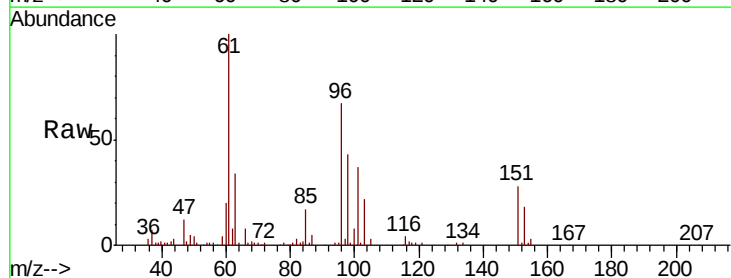
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 40366
Ion Ratio Lower Upper
59 100
57 5.9 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 19.559 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 96 Resp: 85892
Ion Ratio Lower Upper
96 100
61 148.9 121.4 182.0
98 63.4 49.9 74.9

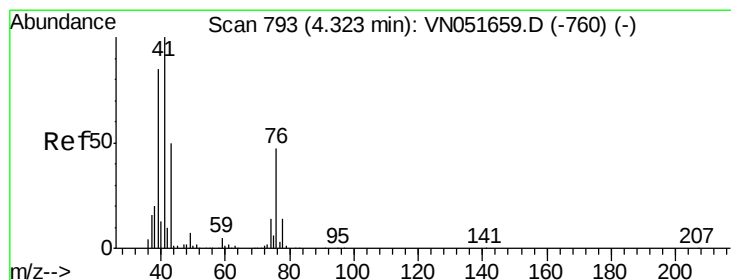
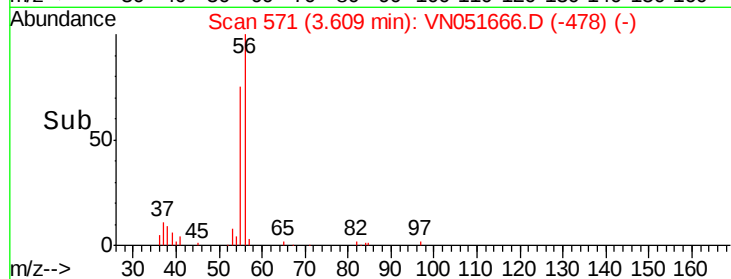
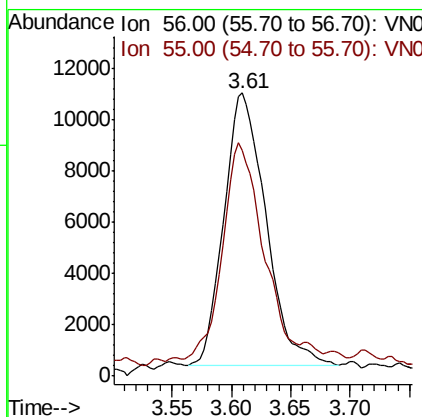
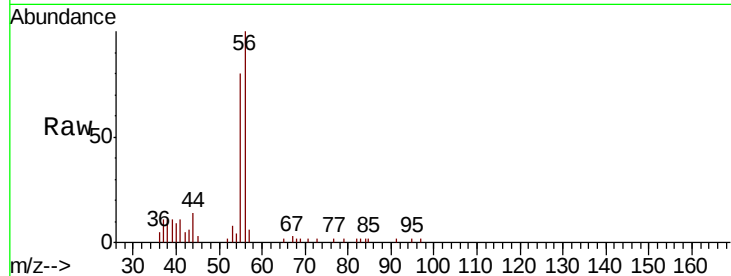




#13
 Acrolein
 Concen: 97.701 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

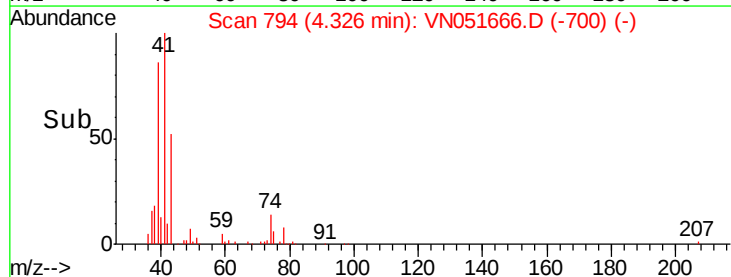
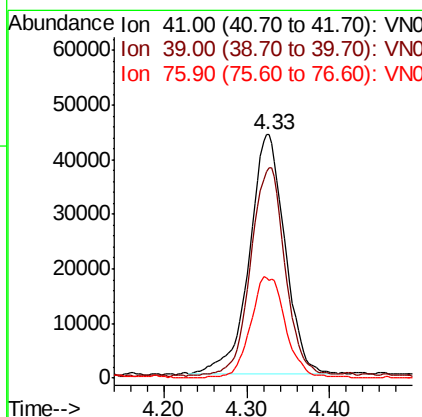
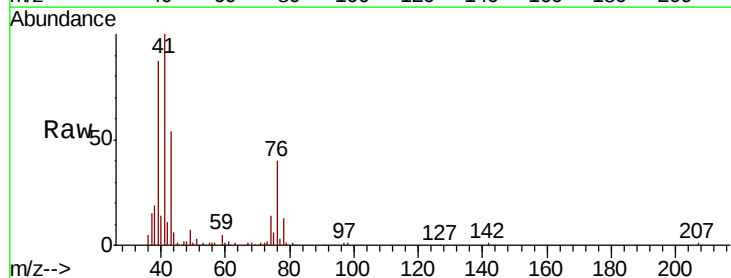
Instrument :
 MSVOA_N
 ClientSampleId :

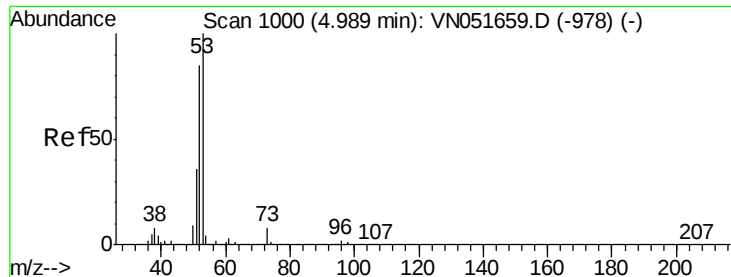
Tot Ion: 56 Resp: 25841
 Ion Ratio Lower Upper
 56 100
 55 76.3 57.5 86.3



#14
 Allyl chloride
 Concen: 19.362 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 41 Resp: 129683
 Ion Ratio Lower Upper
 41 100
 39 85.2 65.4 98.0
 76 42.0 34.3 51.5





#15

Acrylonitrile

Concen: 100.310 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

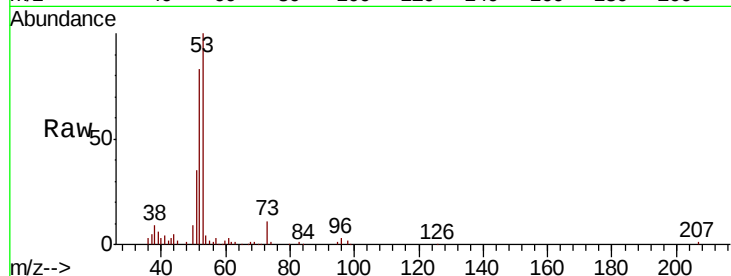
Tot Ion: 53 Resp: 146544

Ion Ratio Lower Upper

53 100

52 79.8 66.2 99.2

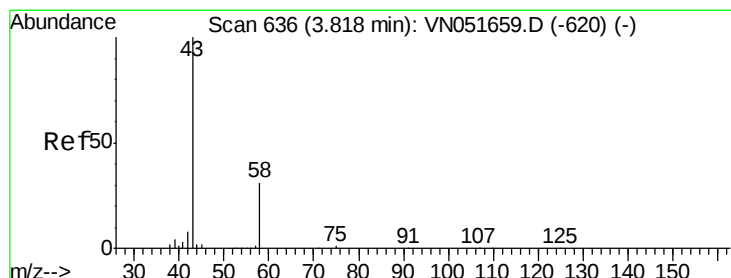
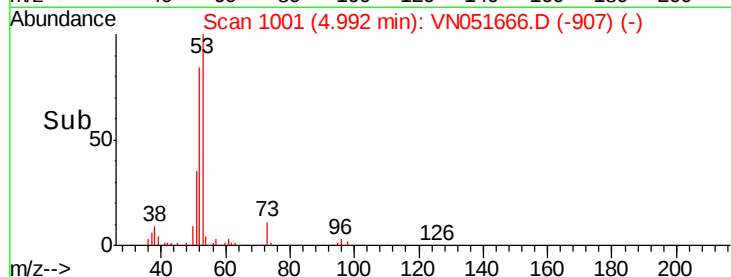
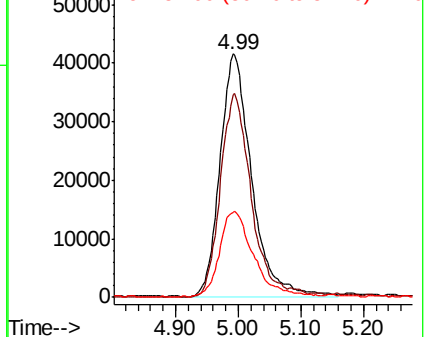
51 37.3 30.3 45.5



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: 99.403 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051666.D

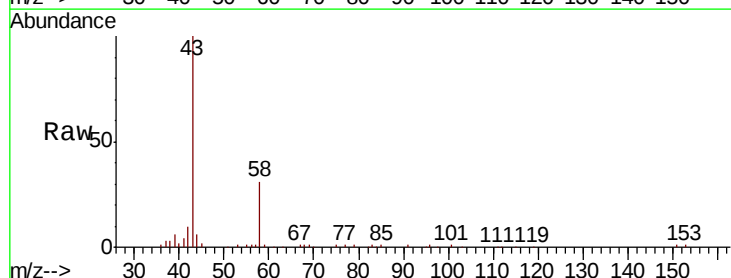
Acq: 4 Oct 2018 14:55

Tgt Ion: 43 Resp: 115551

Ion Ratio Lower Upper

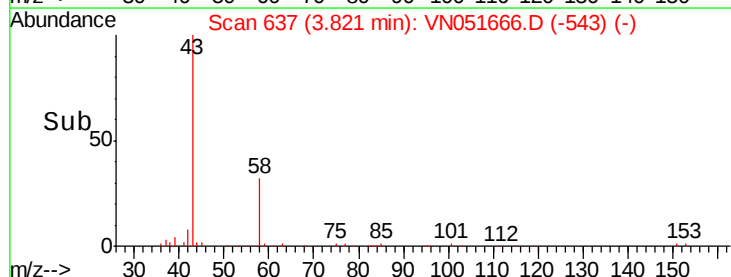
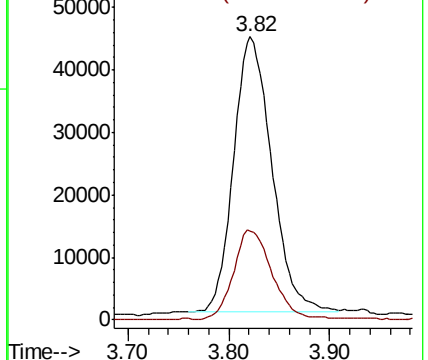
43 100

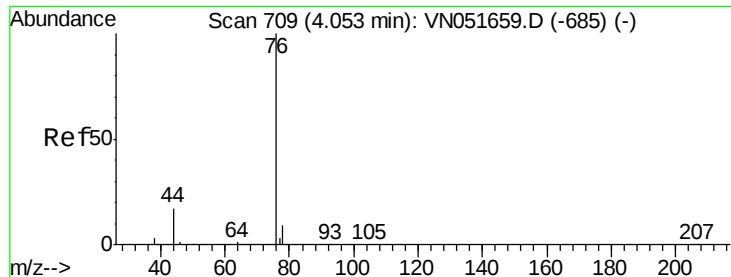
58 31.9 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.323 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

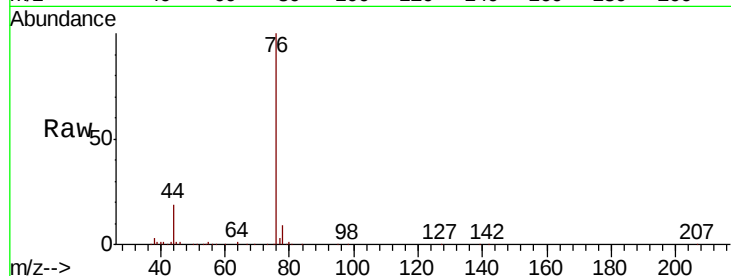
ClientSampled :

Tot Ion: 76 Resp: 257928

Ion Ratio Lower Upper

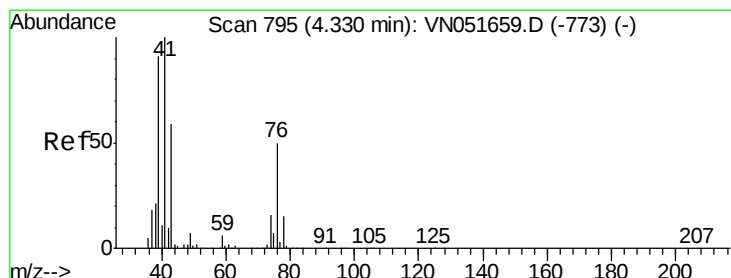
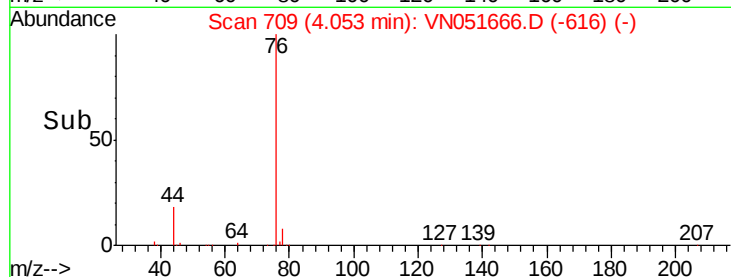
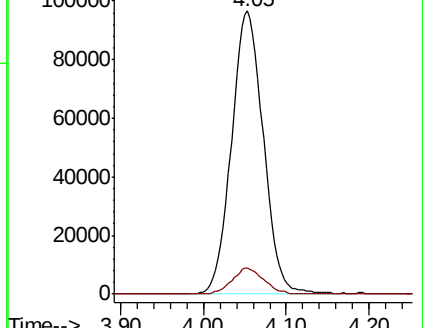
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN051666.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051666.D (-616) (-)



#18

Methyl Acetate

Concen: 20.593 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051666.D

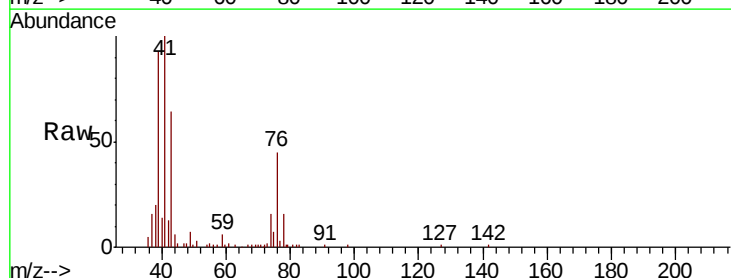
Acq: 4 Oct 2018 14:55

Tgt Ion: 43 Resp: 70807

Ion Ratio Lower Upper

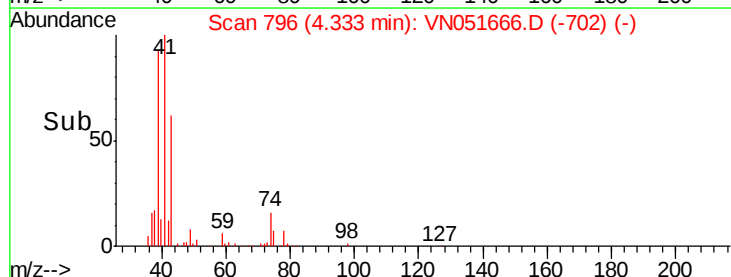
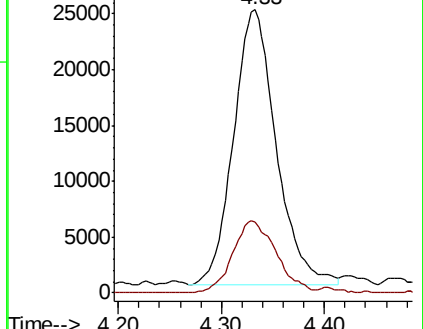
43 100

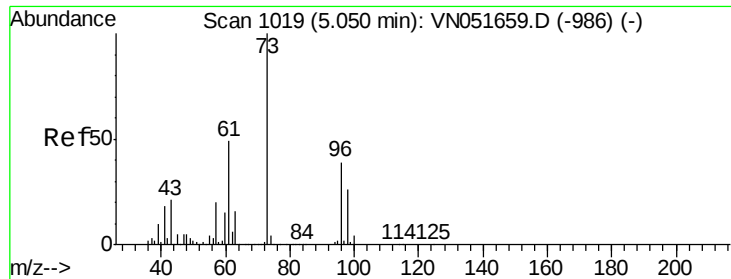
74 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN051666.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN051666.D (-702) (-)

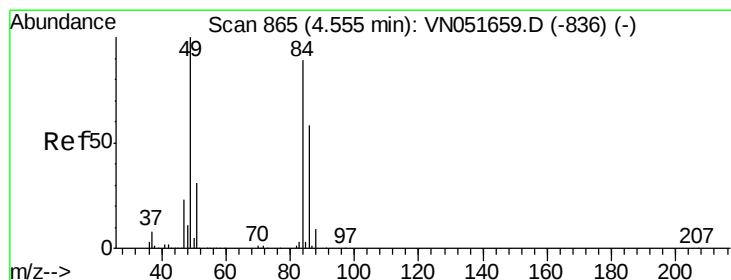
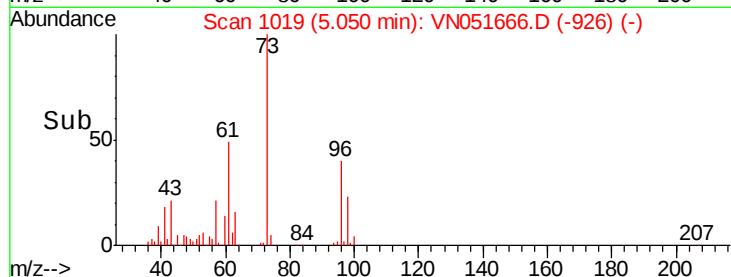
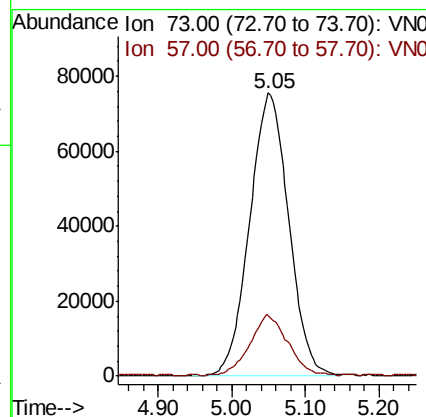
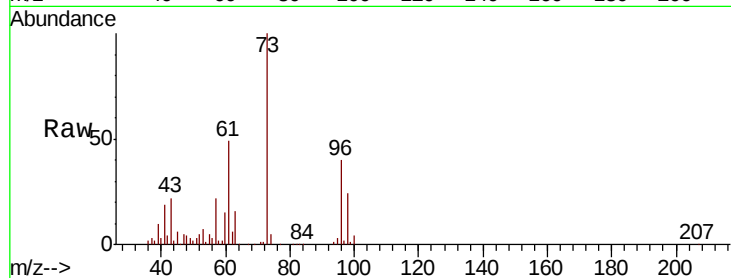




#19
Methvl tert-butvl Ether
Concen: 19.280 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

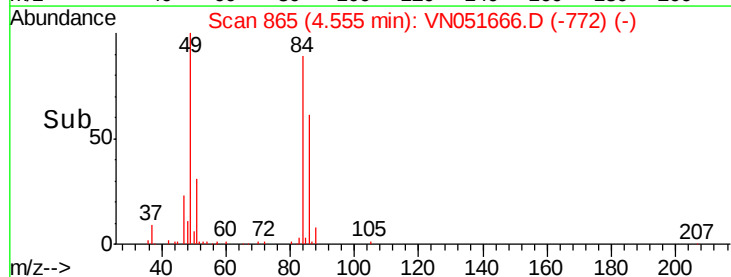
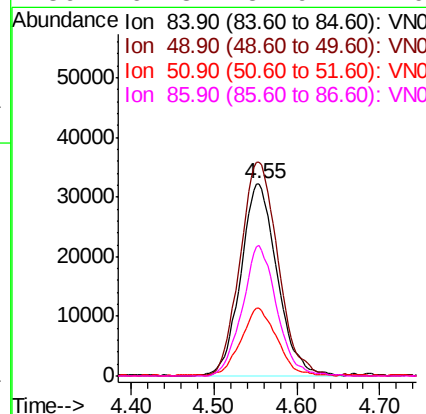
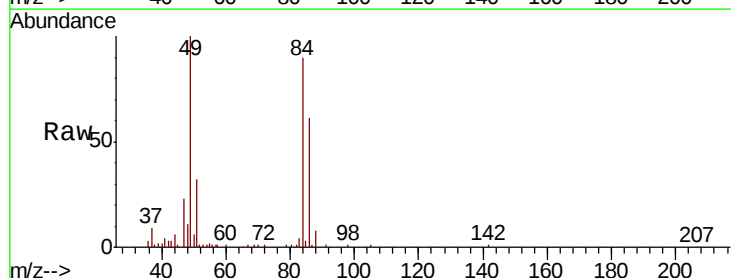
Instrument :
MSVOA_N
ClientSampleId :

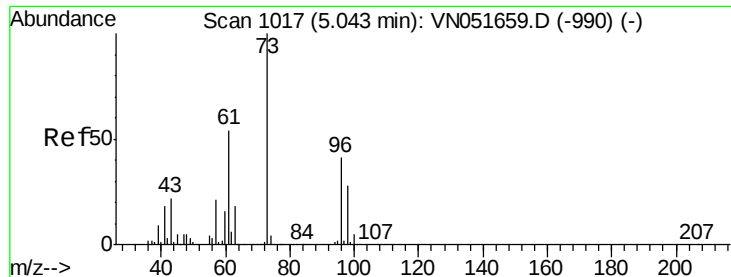
Tot Ion: 73 Resp: 279457
Ion Ratio Lower Upper
73 100
57 21.1 15.6 23.4



#20
Methylene Chloride
Concen: 19.228 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 84 Resp: 98548
Ion Ratio Lower Upper
84 100
49 111.1 89.5 134.3
51 34.5 27.4 41.0
86 67.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.081 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

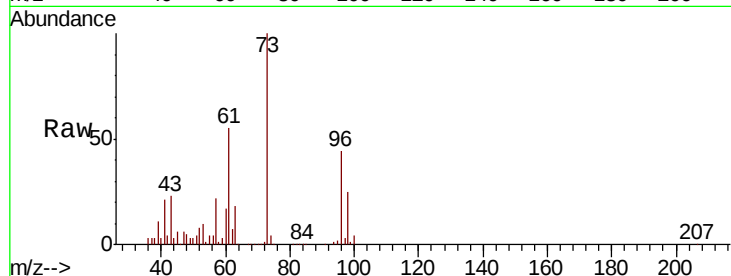
Tot Ion: 96 Resp: 99292

Ion Ratio Lower Upper

96 100

61 125.9 104.7 157.1

98 58.4 54.6 82.0

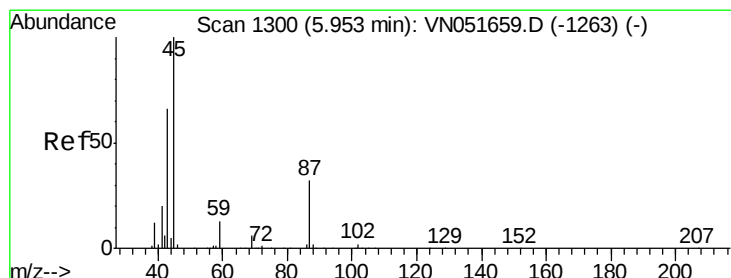
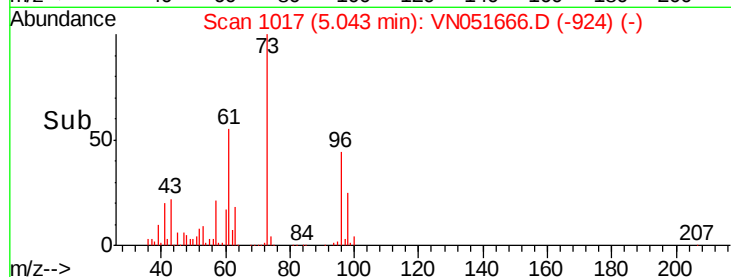
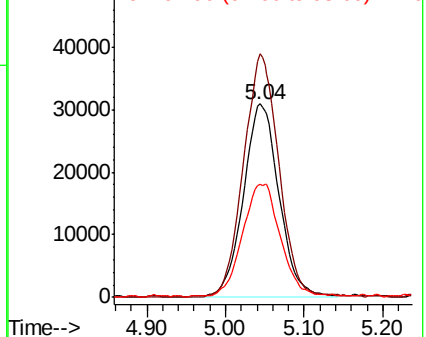


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.544 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion: 45 Resp: 280602

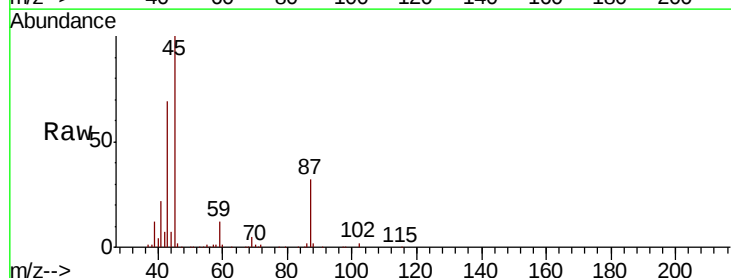
Ion Ratio Lower Upper

45 100

43 66.7 53.0 79.4

87 32.2 26.4 39.6

59 11.3 10.0 15.0



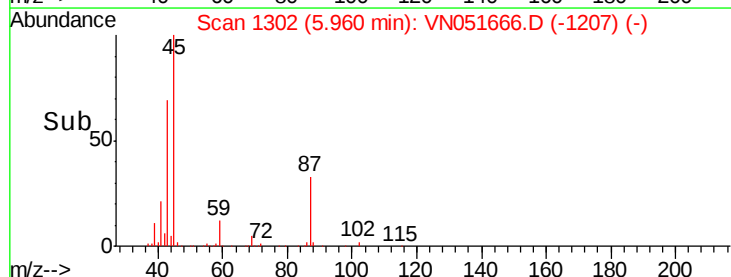
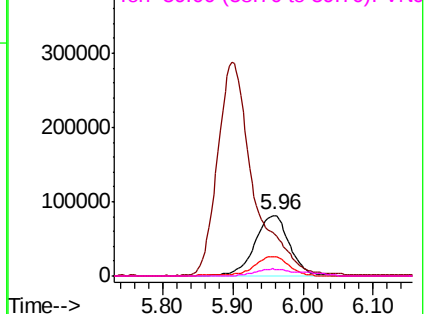
Abundance

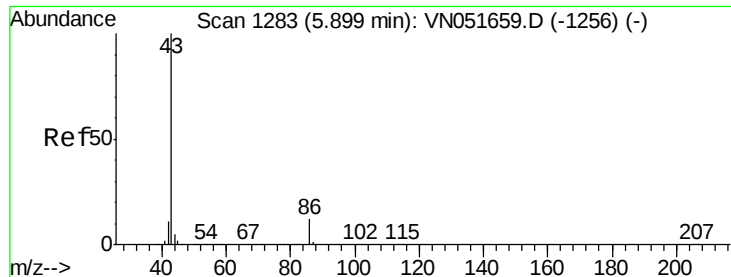
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 96.640 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

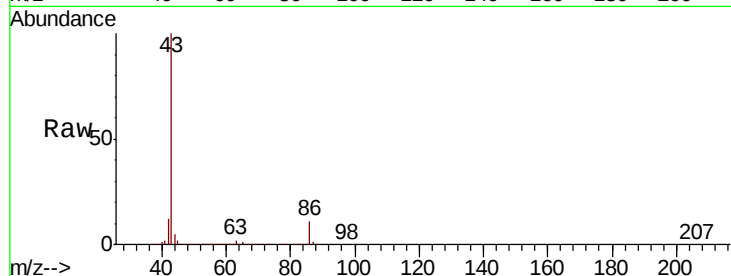
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1020190

Ion Ratio Lower Upper

43 100

86 11.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051659.D (-1256) (-)

5.90

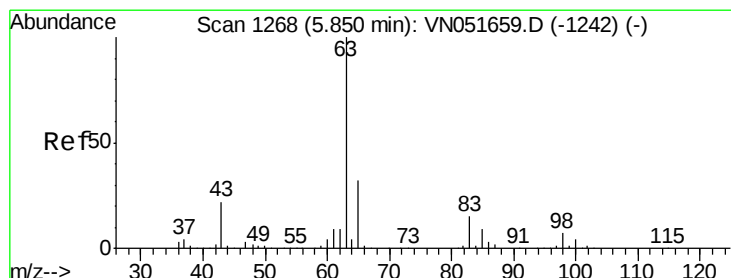
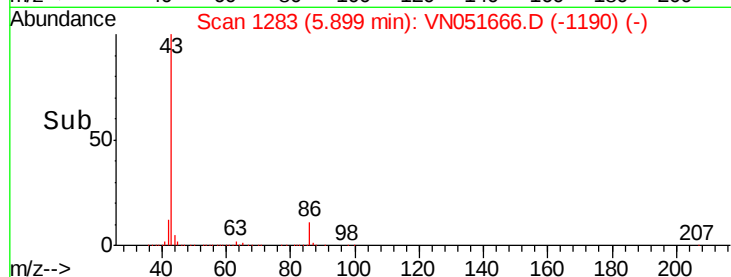
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.993 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

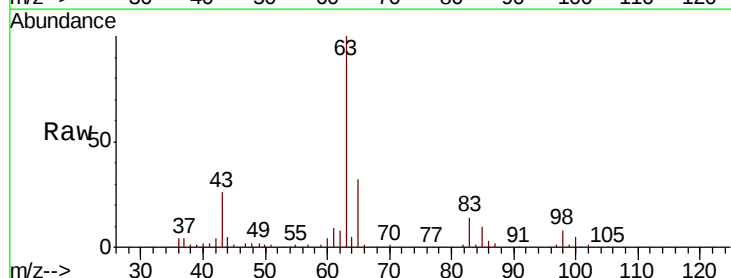
Tgt Ion: 63 Resp: 175375

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

100 4.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051659.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051659.D (-1242) (-)

5.85

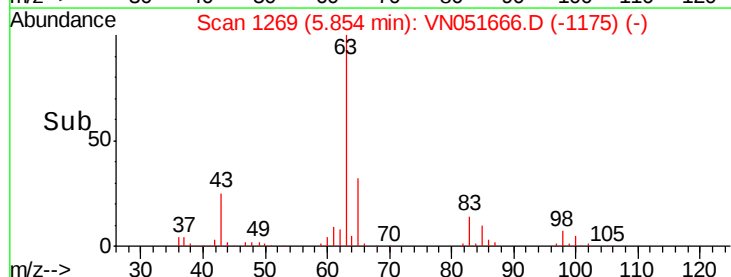
60000

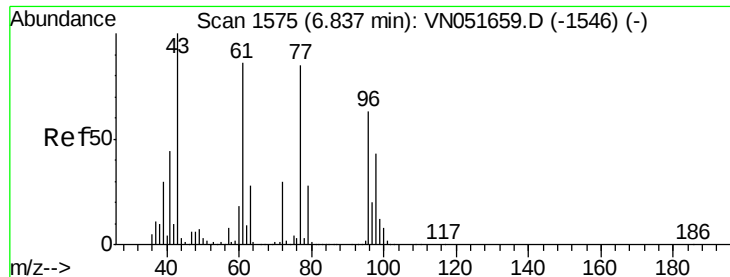
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

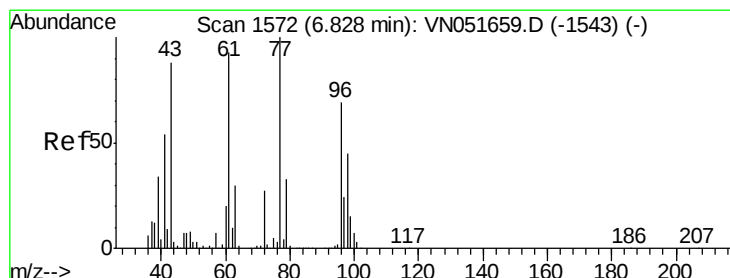
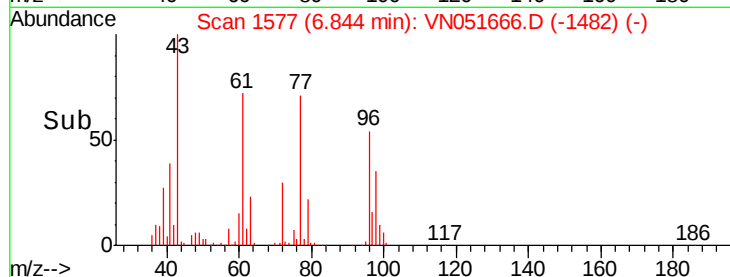
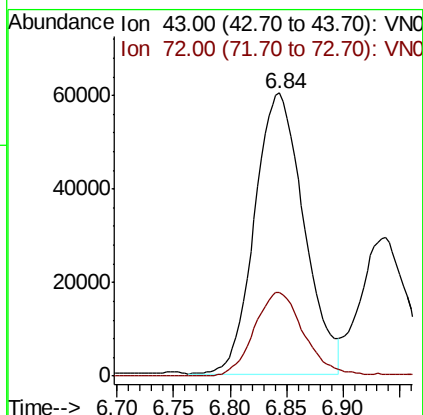
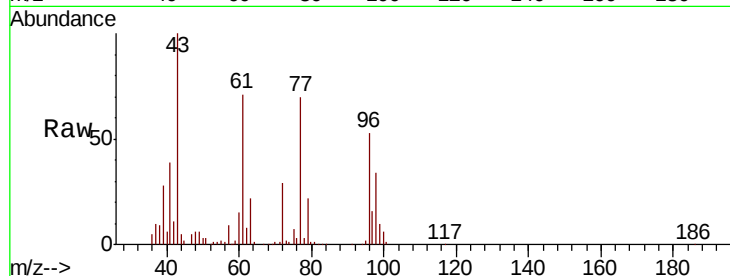




#25
2-Butanone
Concen: 100.916 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

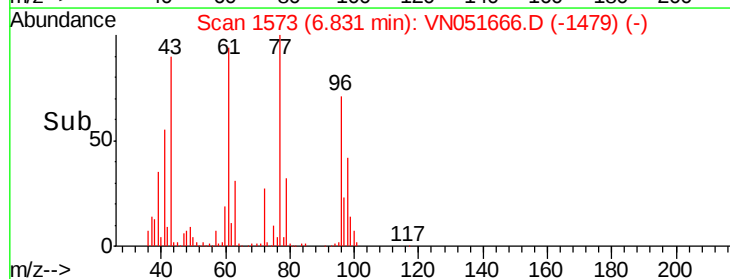
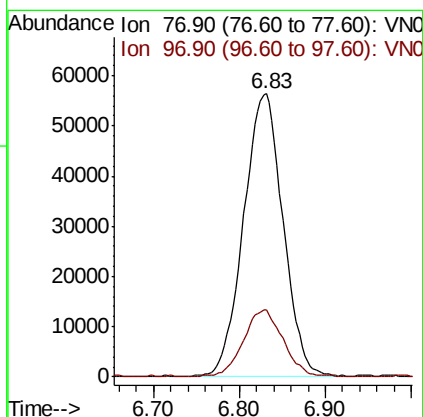
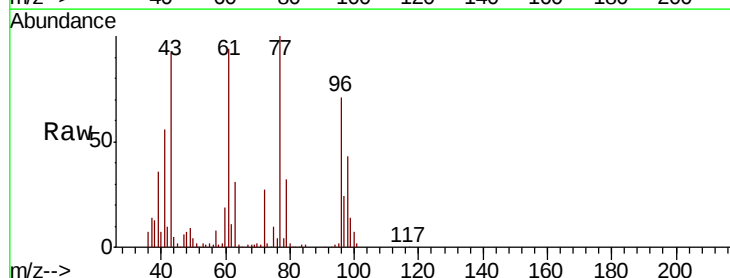
Instrument :
MSVOA_N
ClientSampled :

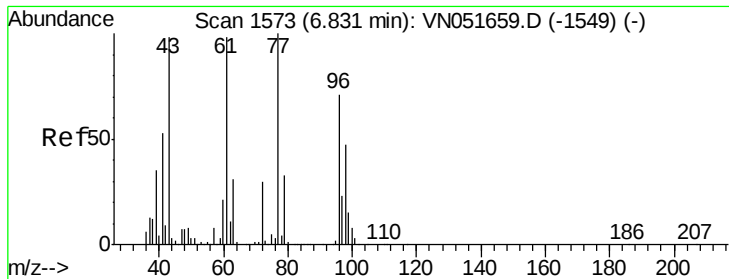
Tot Ion: 43 Resp: 181528
Ion Ratio Lower Upper
43 100
72 29.6 24.2 36.2



#26
2,2-Dichloropropane
Concen: 19.502 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 77 Resp: 180460
Ion Ratio Lower Upper
77 100
97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.823 ug/l

RT: 6.83 min Scan# 1573

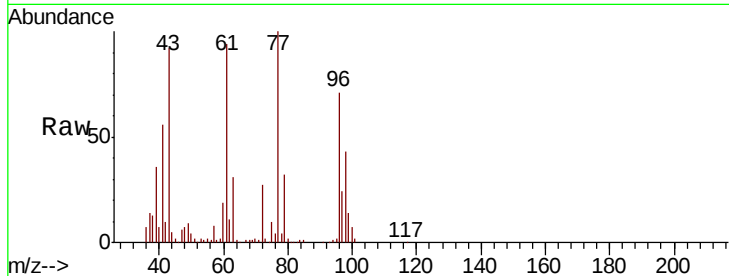
Delta R.T. -0.00 min

Lab File: VN051666.D

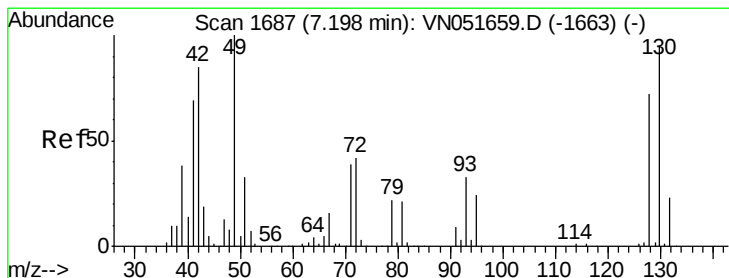
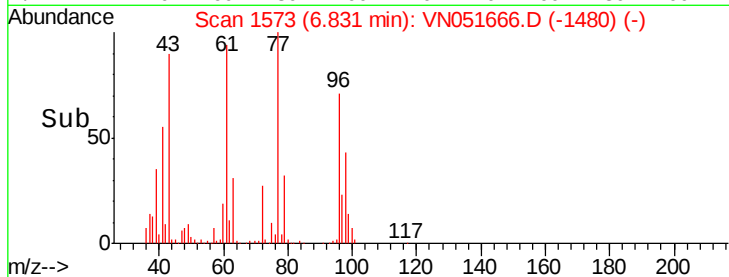
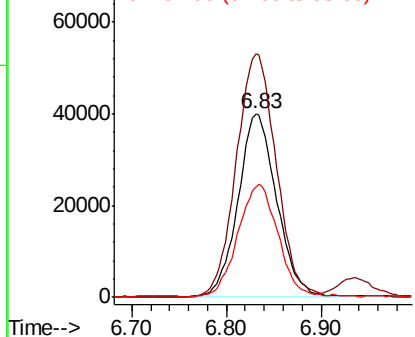
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	113710
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	275.4
98	64.2	0.0	129.6



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: 17.912 ug/l

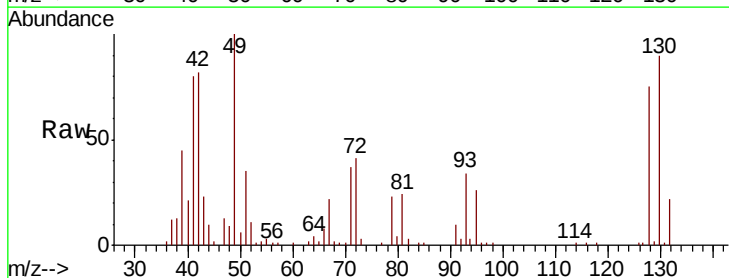
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

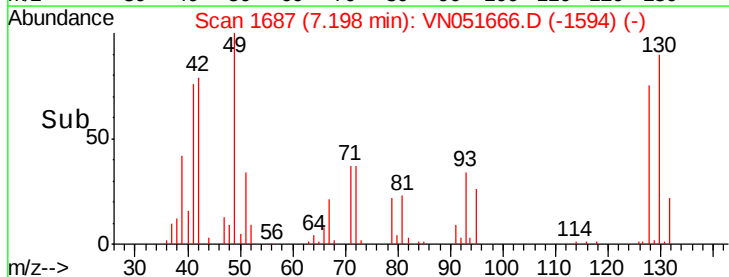
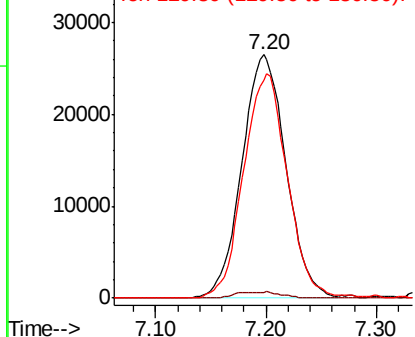
Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion:	49	Resp:	73222
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	91.8	75.7	113.5



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

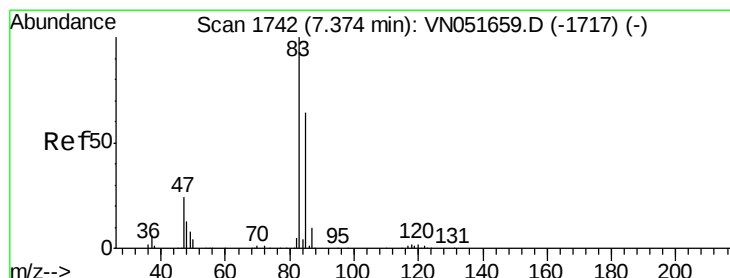
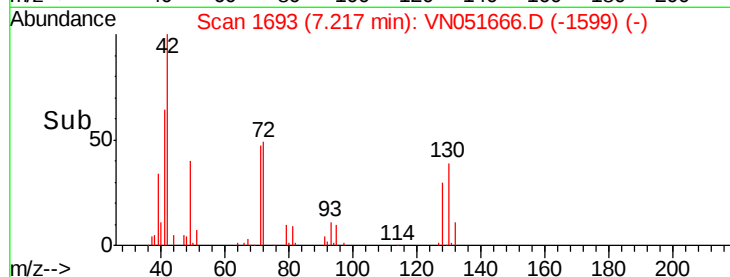
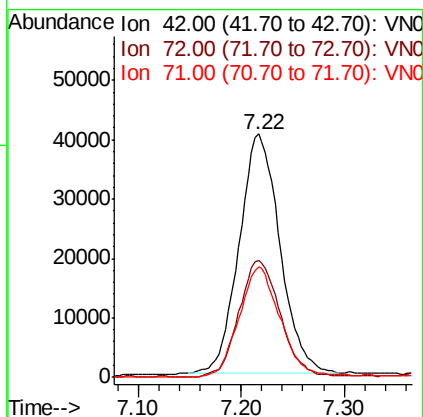
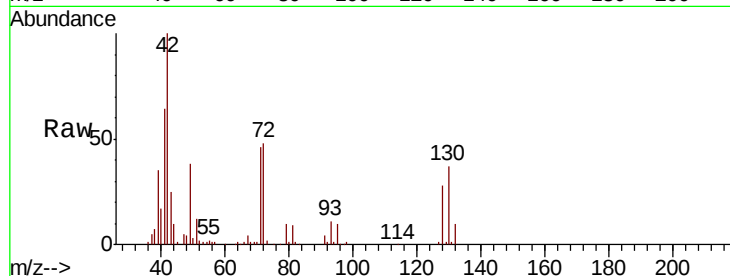




#29
Tetrahydrofuran
Concen: 100.815 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

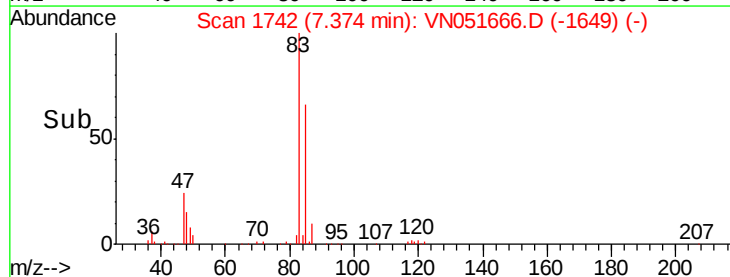
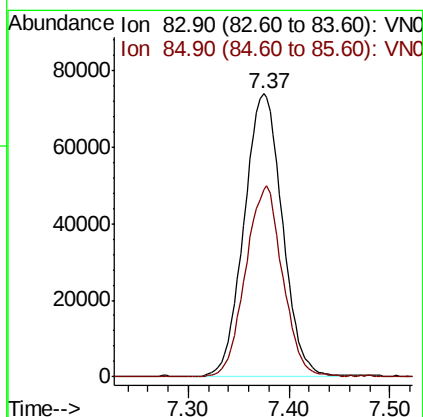
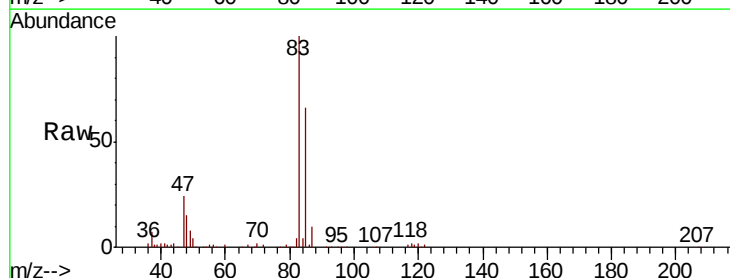
Instrument :
MSVOA_N
ClientSampleId :

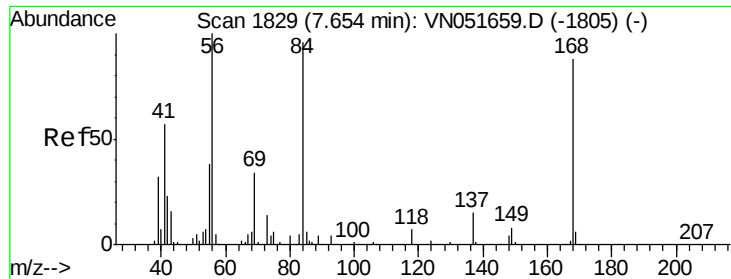
Tot Ion: 42 Resp: 111287
Ion Ratio Lower Upper
42 100
72 49.5 40.1 60.1
71 47.0 38.0 57.0



#30
Chloroform
Concen: 18.759 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 83 Resp: 194619
Ion Ratio Lower Upper
83 100
85 66.3 51.6 77.4





#31

Cyclohexane

Concen: 19.428 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :

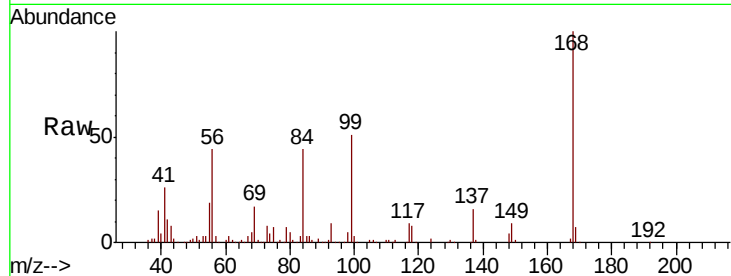
Tot Ion: 56 Resp: 164286

Ion Ratio Lower Upper

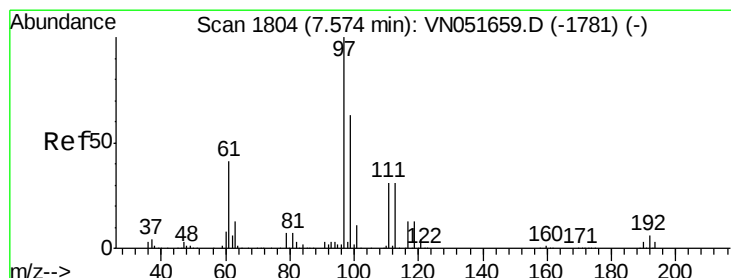
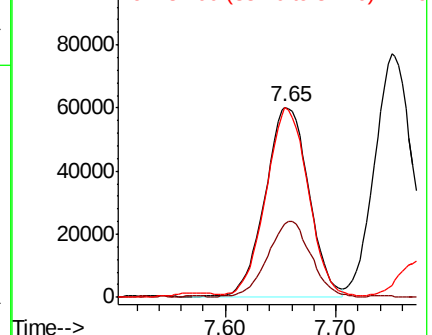
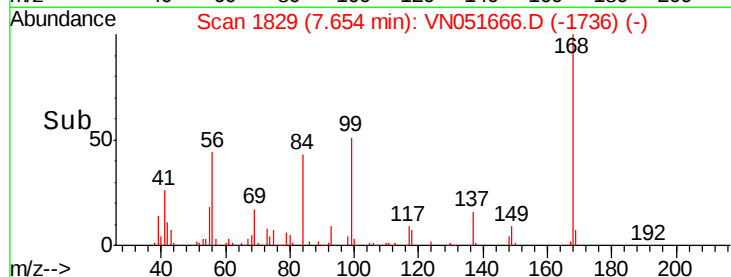
56 100

69 38.2 27.5 41.3

84 98.1 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 18.331 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

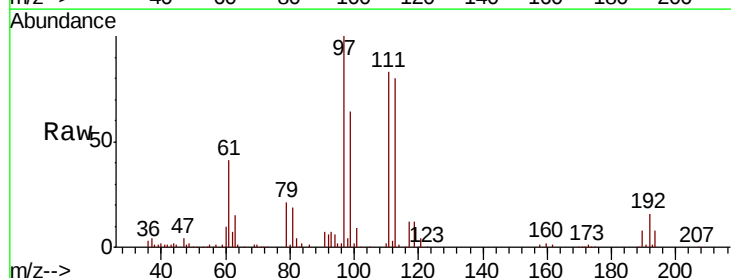
Tgt Ion: 97 Resp: 184331

Ion Ratio Lower Upper

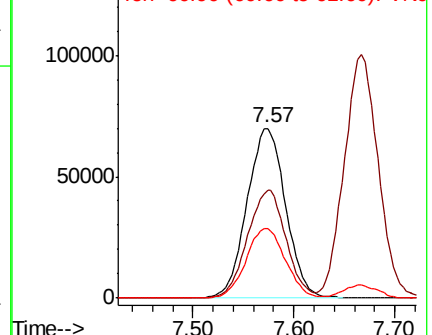
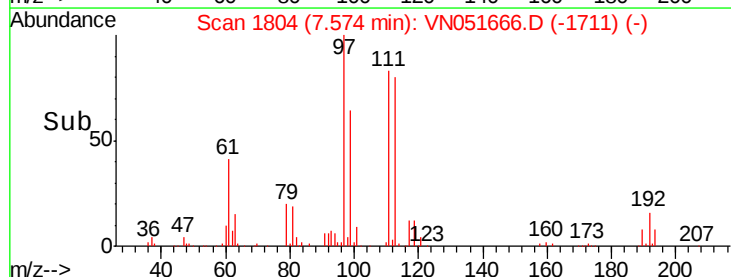
97 100

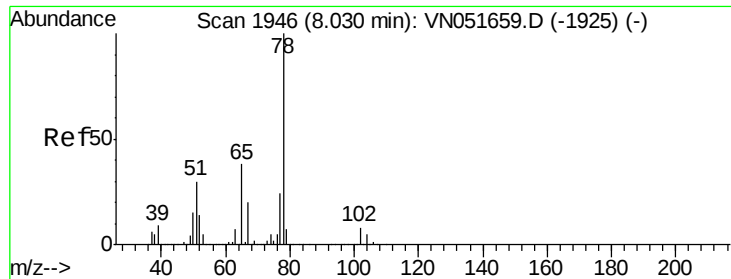
99 63.9 51.9 77.9

61 42.3 33.4 50.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 18.331 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

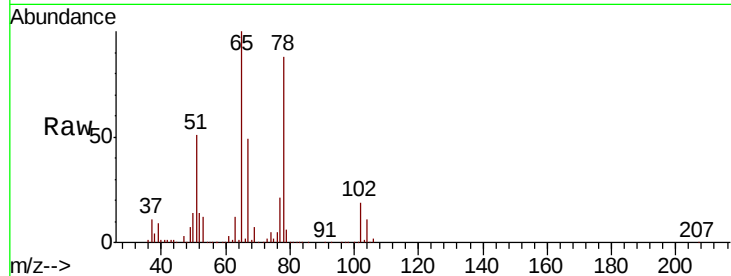
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 313543

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051666.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051666.D (-1853) (-)

8.03

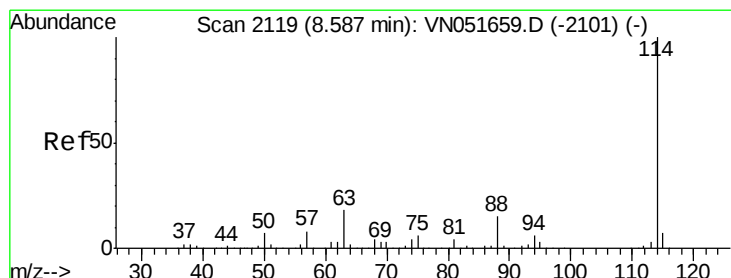
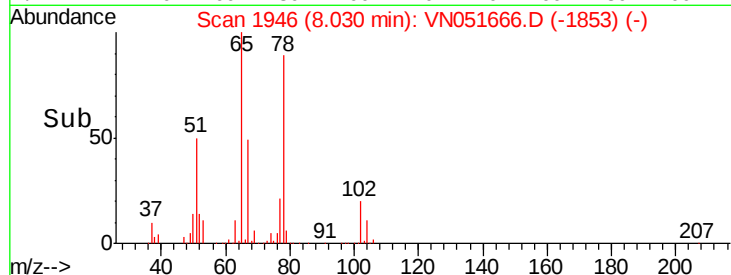
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

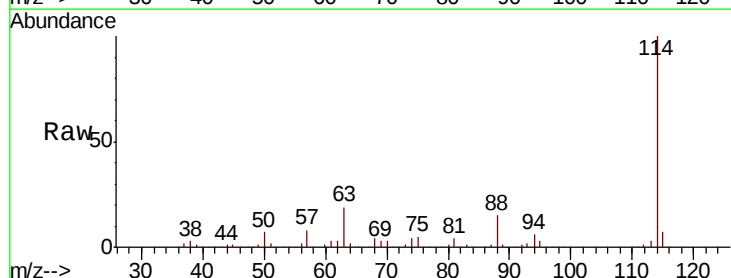
Tgt Ion: 114 Resp: 714533

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051666.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN051666.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN051666.D (-2026) (-)

8.59

400000

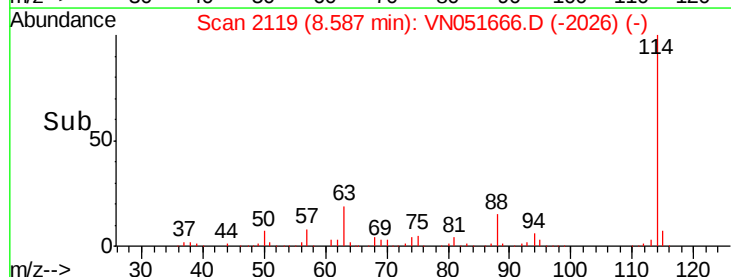
300000

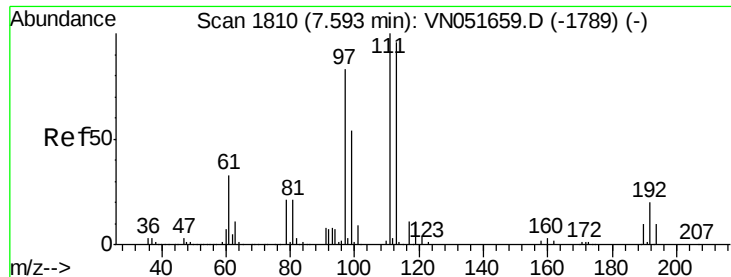
200000

100000

0

Time-->

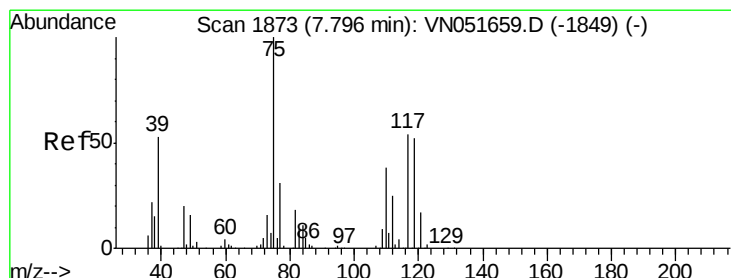
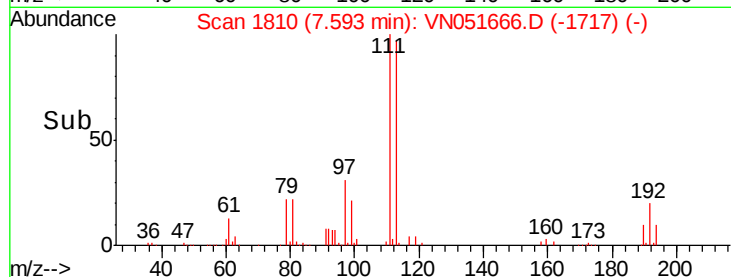
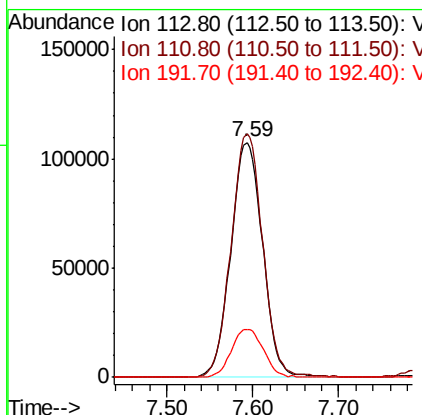
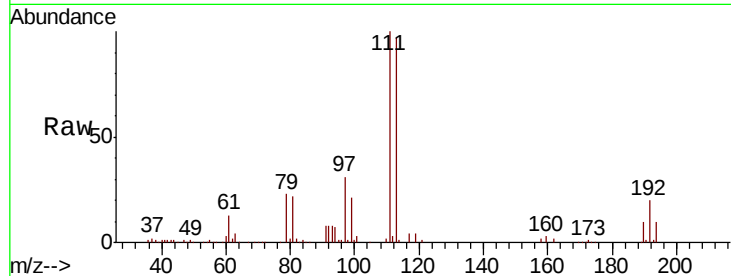




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

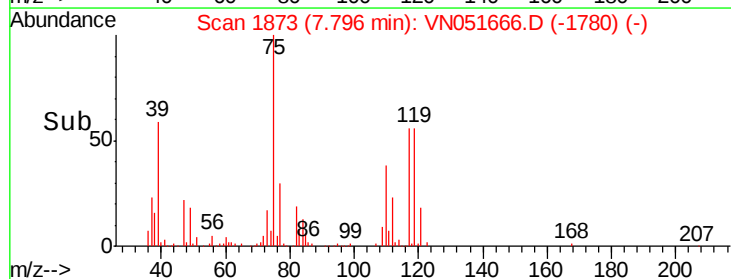
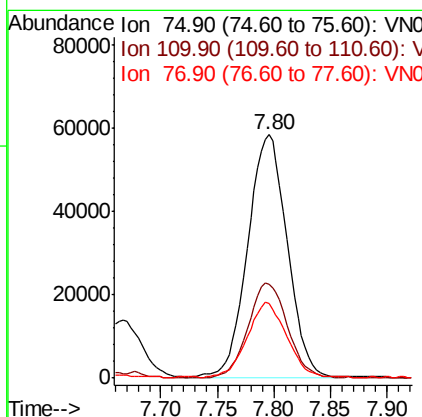
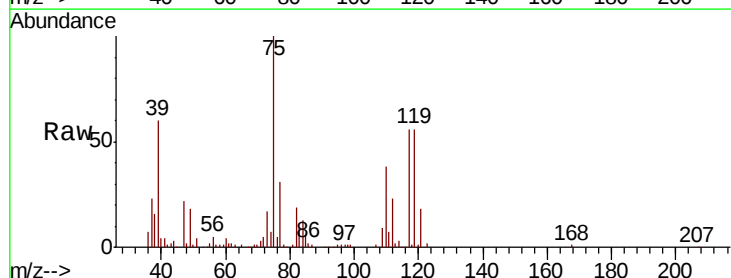
Instrument :
 MSVOA_N
 ClientSampled :

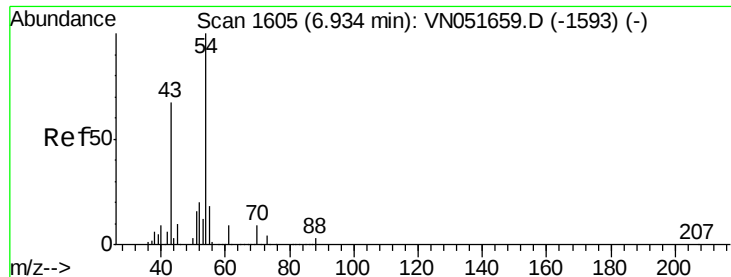
Tot Ion:113 Resp: 276348
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 18.802 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 75 Resp: 140423
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.3 57.8
 77 30.5 24.7 37.1

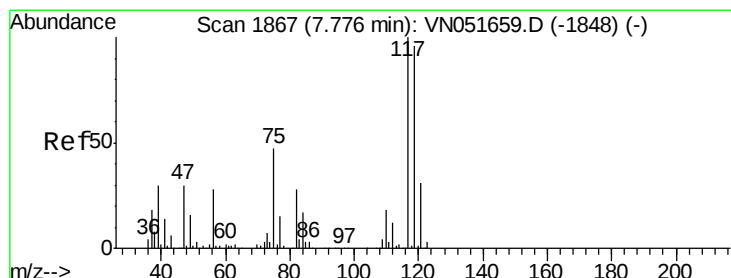
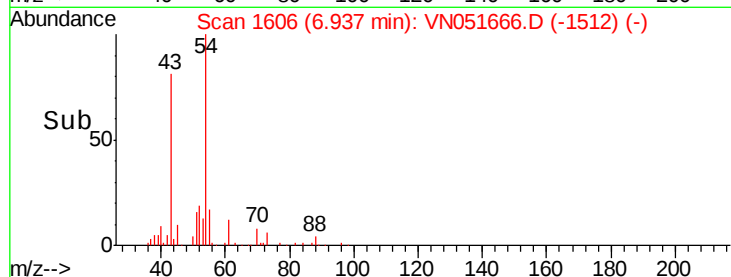
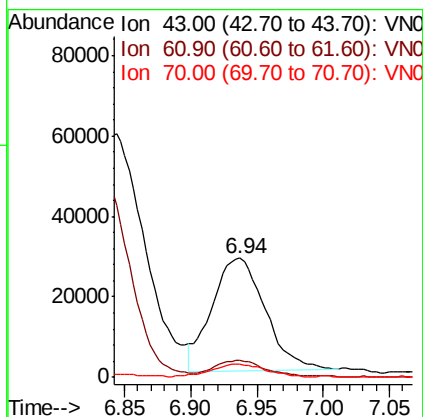
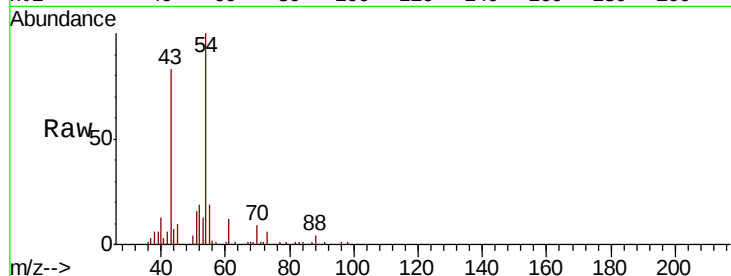




#37
Ethyl Acetate
Concen: 20.024 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

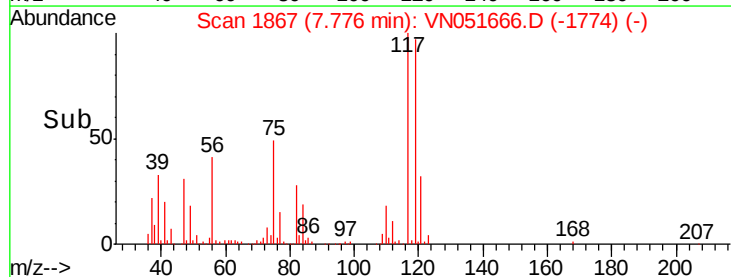
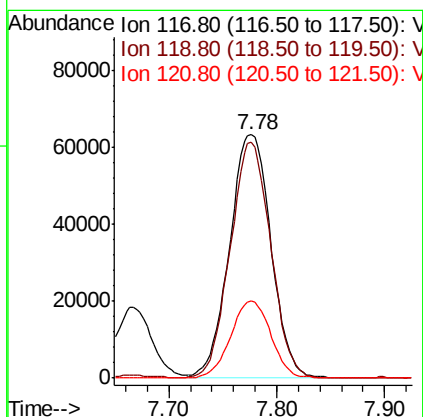
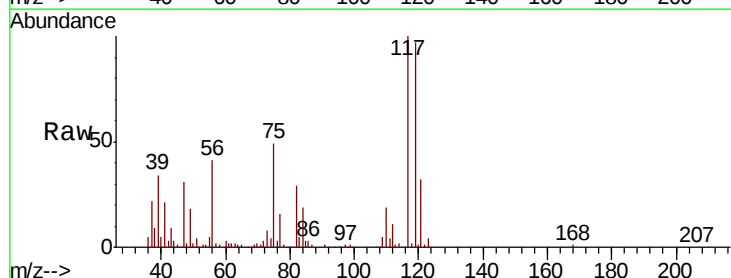
Instrument :
MSVOA_N
ClientSampled :

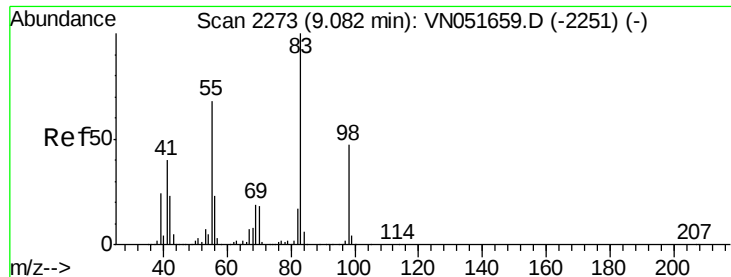
Tot Ion: 43 Resp: 78000
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.776 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 117 Resp: 168266
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.6
121 31.6 25.0 37.6

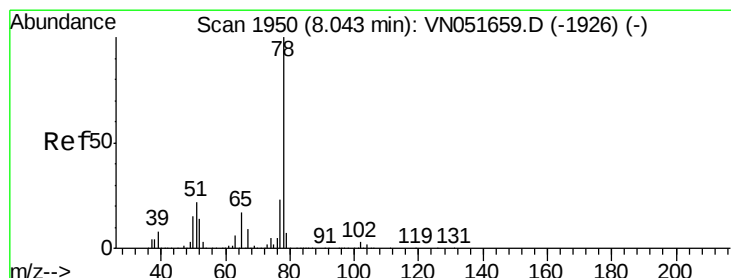
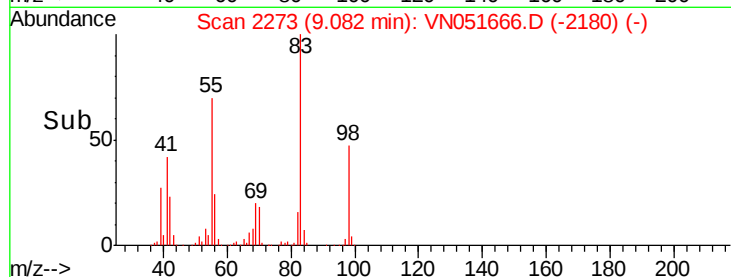
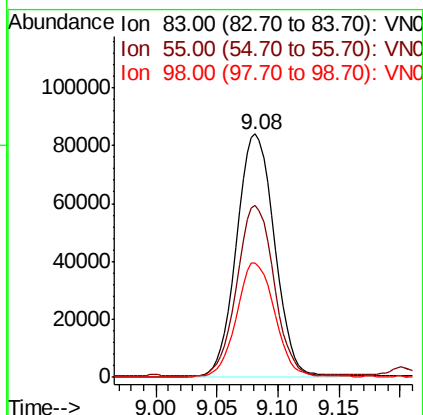
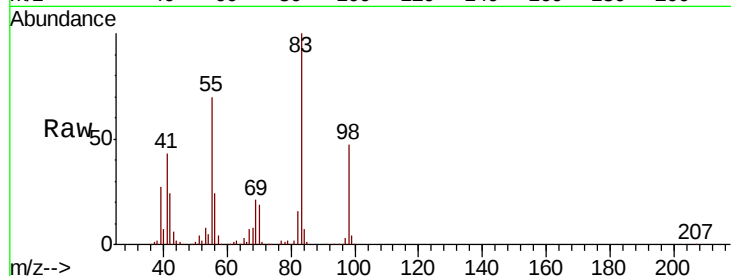




#39
Methvlcvclohexane
Concen: 19.405 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

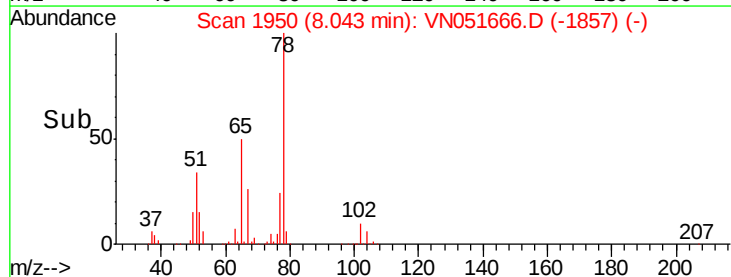
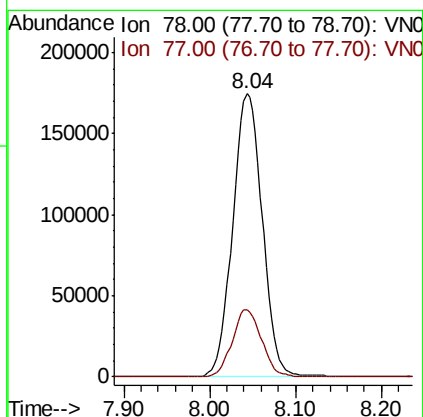
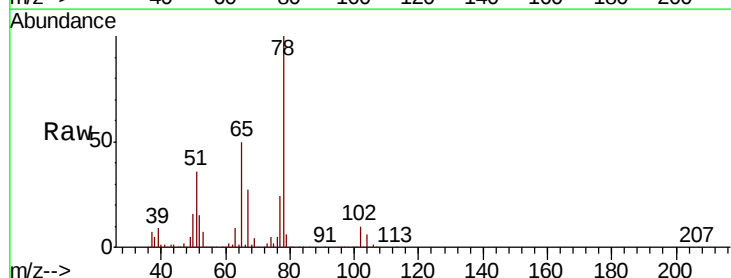
Instrument :
MSVOA_N
ClientSampled :

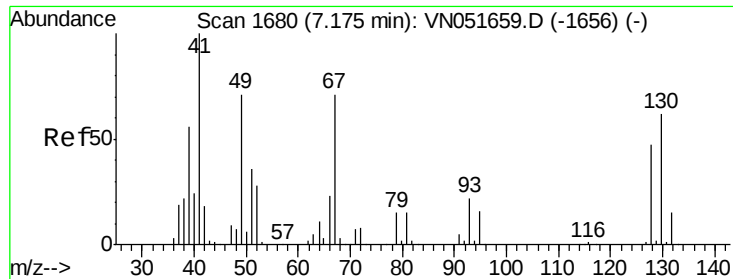
Tot Ion: 83 Resp: 181929
Ion Ratio Lower Upper
83 100
55 69.5 54.3 81.5
98 46.8 37.4 56.2



#40
Benzene
Concen: 18.877 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 78 Resp: 417944
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7

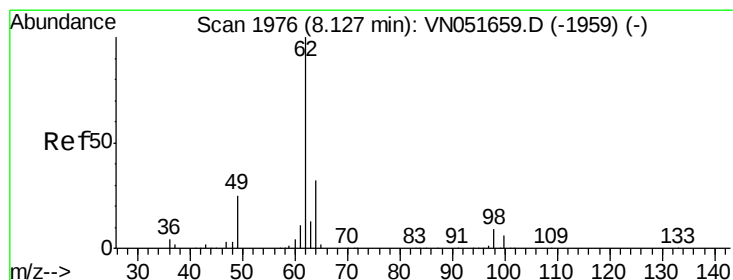
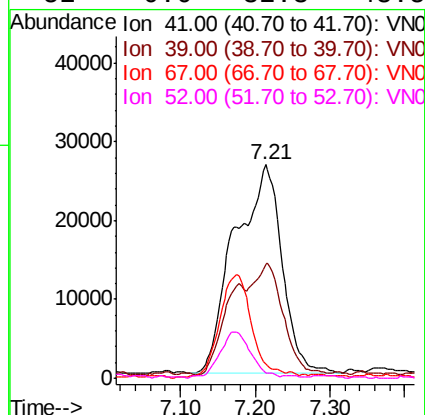
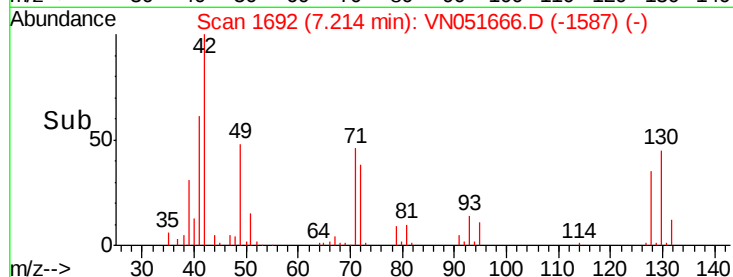
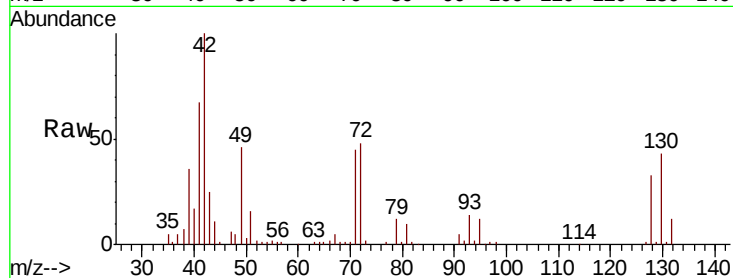




#41
Methacrylonitrile
Concen: 58.142 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

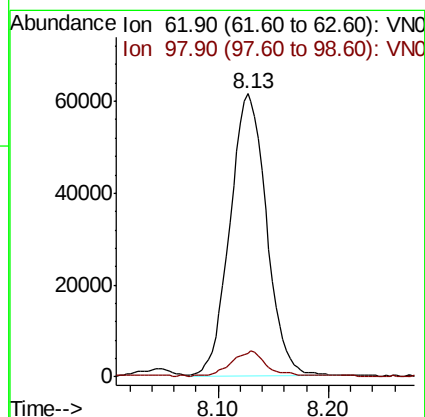
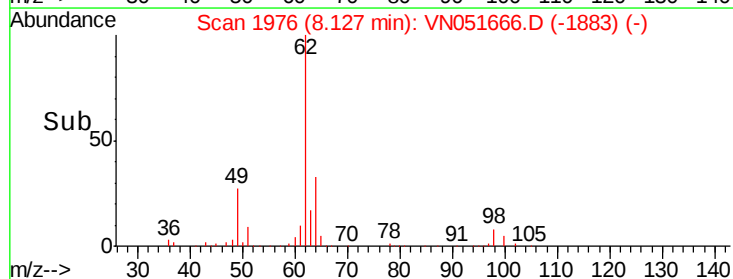
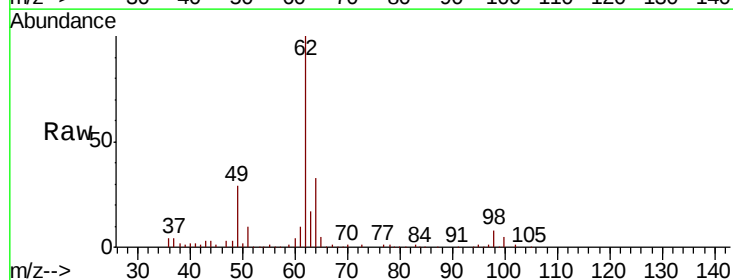
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 116593
Ion Ratio Lower Upper
41 100
39 0.0 53.9 80.9#
67 0.0 78.1 117.1#
52 0.0 32.3 48.5#



#42
1,2-Dichloroethane
Concen: 18.915 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 62 Resp: 141132
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.222 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

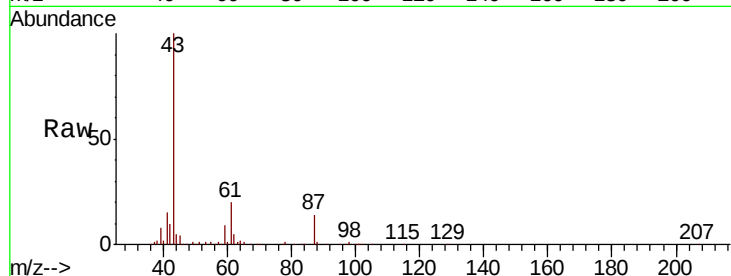
Tot Ion: 43 Resp: 164227

Ion Ratio Lower Upper

43 100

61 28.2 15.8 23.6#

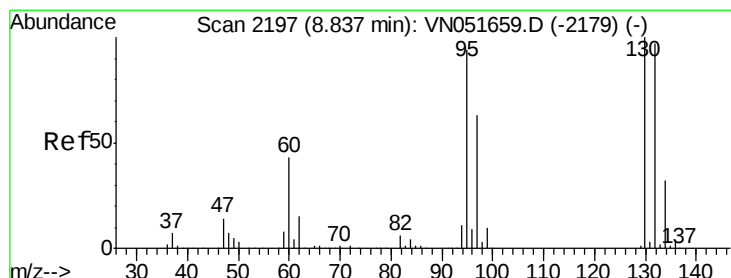
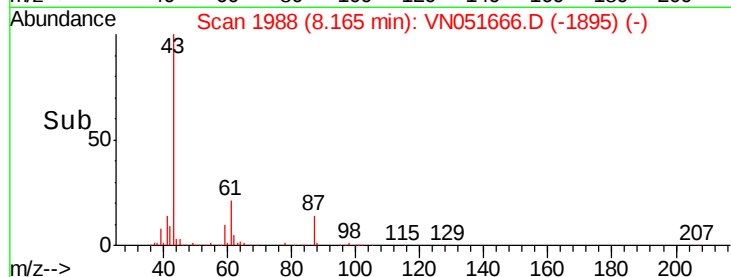
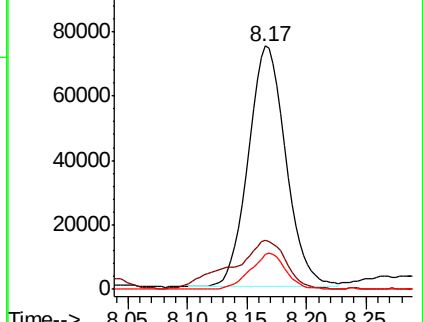
87 14.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



#44

Trichloroethene

Concen: 18.551 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051666.D

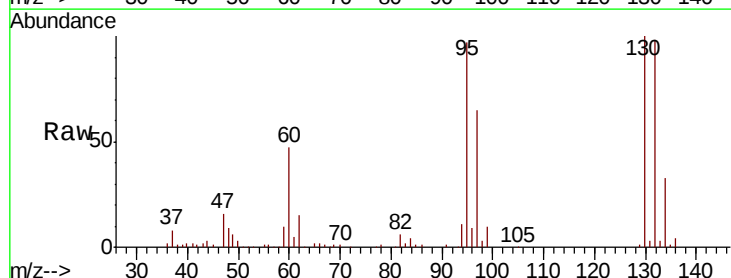
Acq: 4 Oct 2018 14:55

Tgt Ion:130 Resp: 116620

Ion Ratio Lower Upper

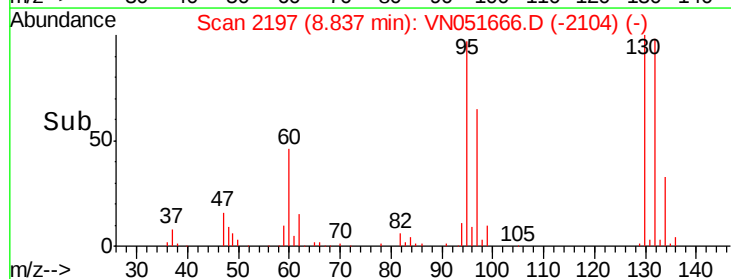
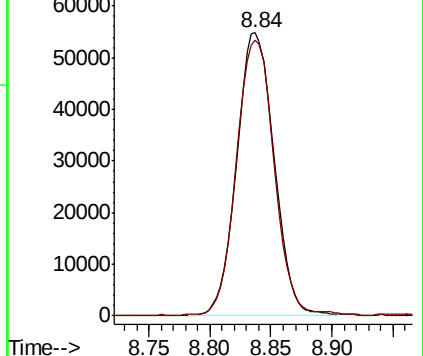
130 100

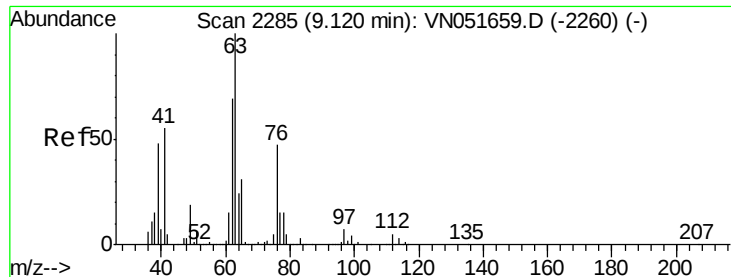
95 96.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)

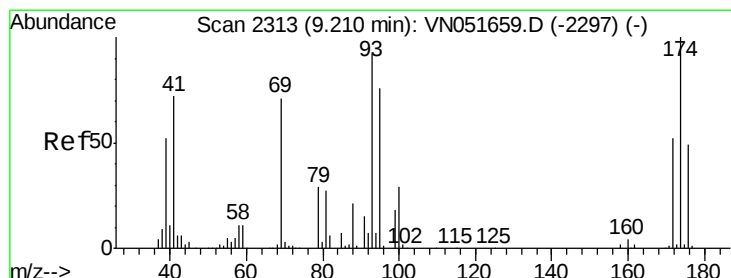
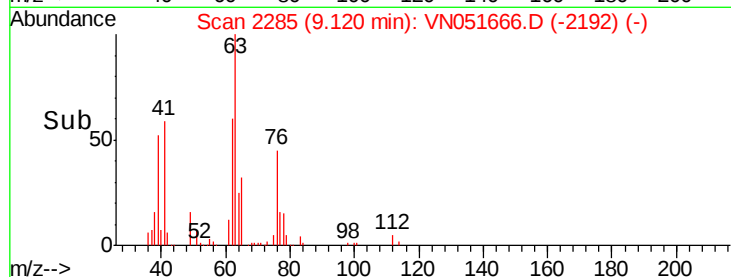
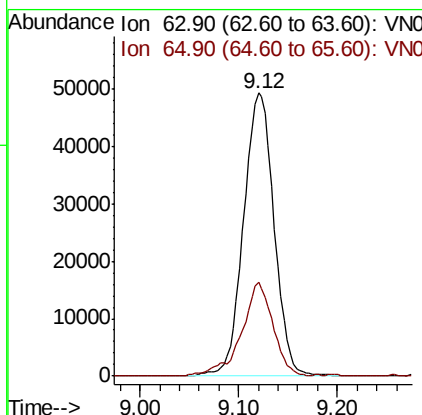
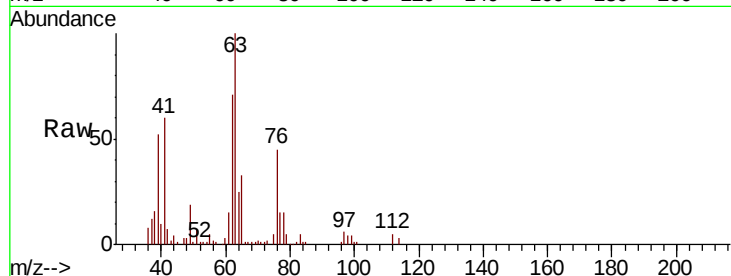




#45
 1,2-Dichloropropane
 Concen: 19.246 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

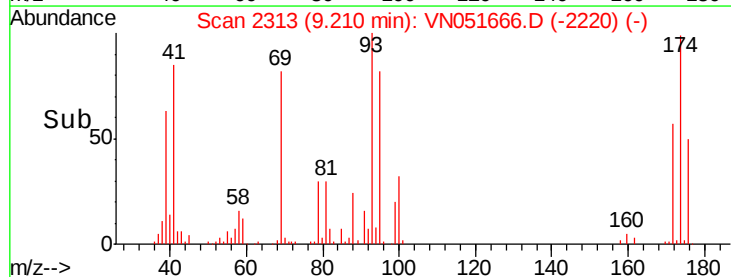
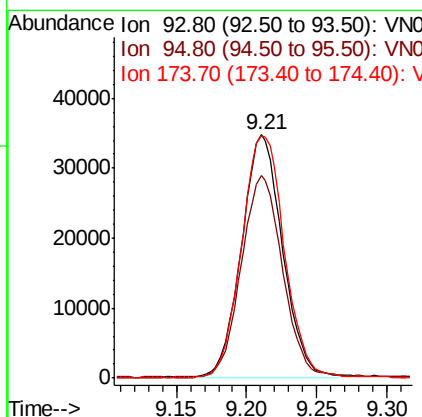
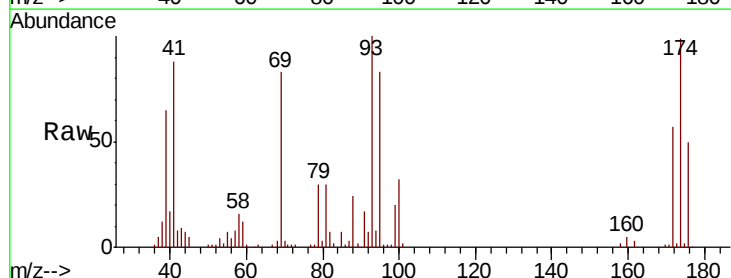
Instrument :
 MSVOA_N
 ClientSampled :

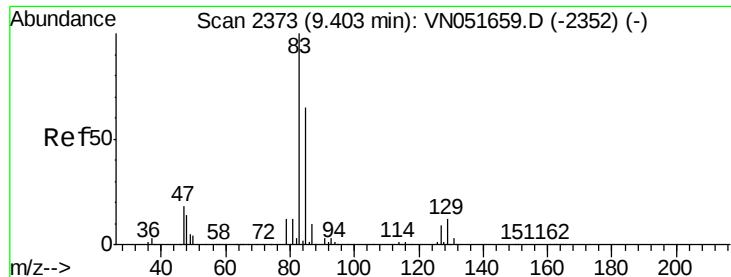
Tot Ion: 63 Resp: 105351
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.4



#46
 Dibromomethane
 Concen: 18.666 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 93 Resp: 71022
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.6 100.0
 174 104.1 85.9 128.9





#47

Bromodichloromethane

Concen: 18.891 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :

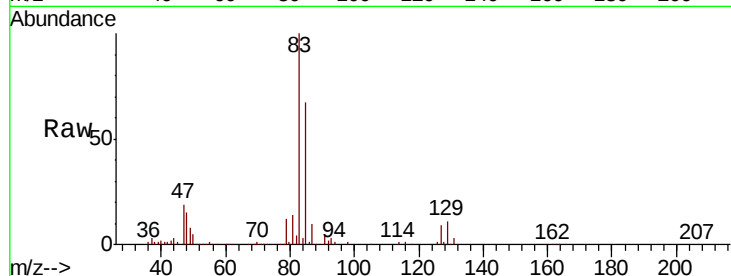
Tot Ion: 83 Resp: 158229

Ion Ratio Lower Upper

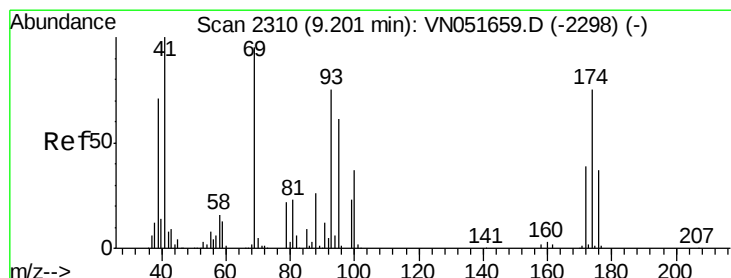
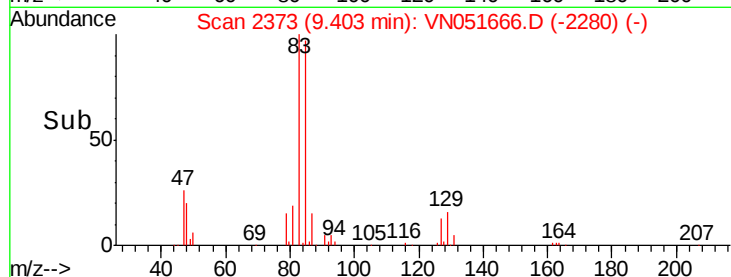
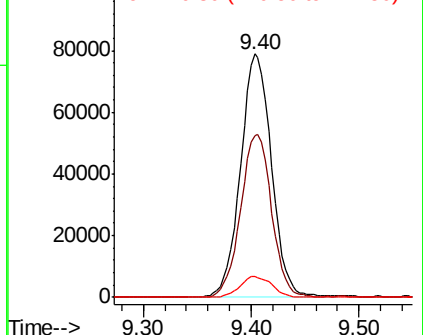
83 100

85 66.5 51.6 77.4

127 8.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.778 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

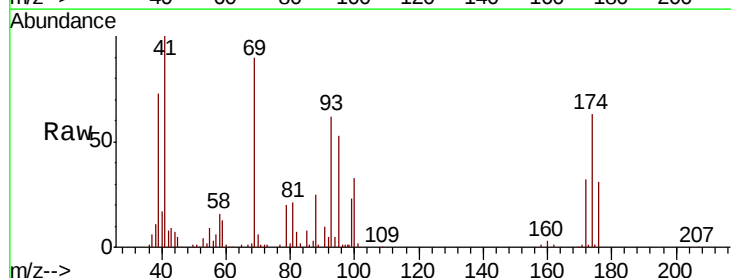
Tgt Ion: 41 Resp: 73396

Ion Ratio Lower Upper

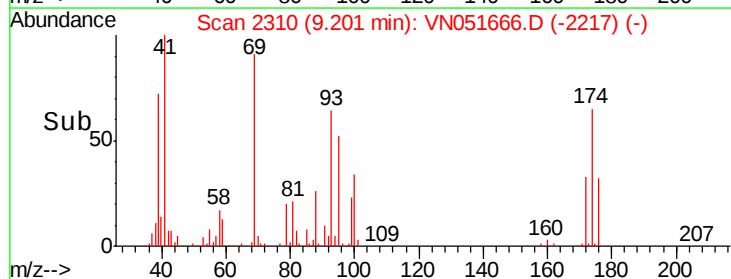
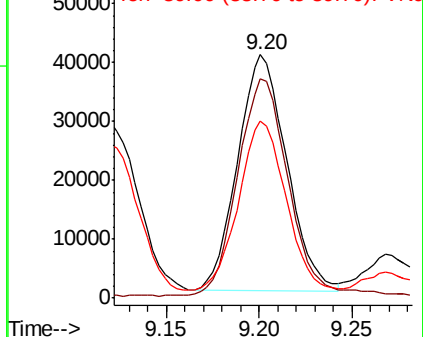
41 100

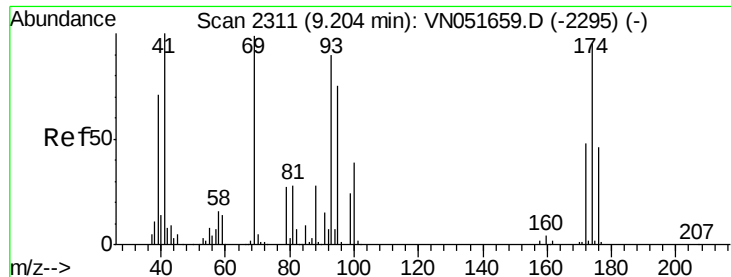
69 95.8 78.6 118.0

39 73.8 59.2 88.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 394.230 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :

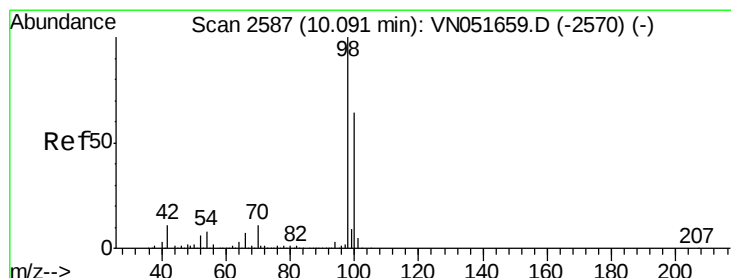
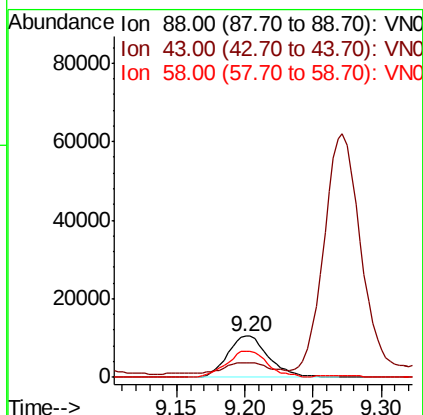
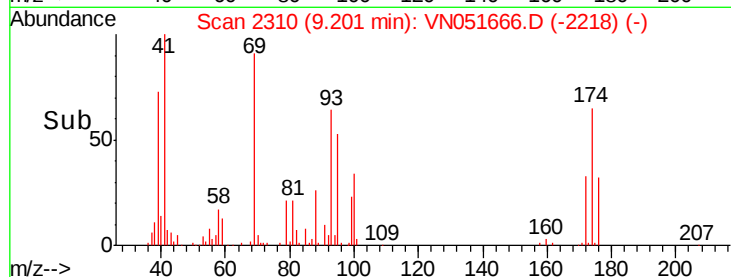
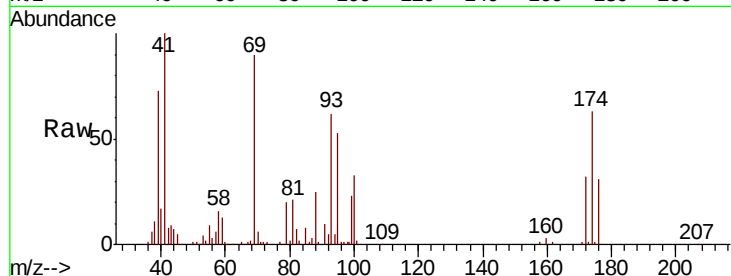
Tot Ion: 88 Resp: 21937

Ion Ratio Lower Upper

88 100

43 31.6 24.5 36.7

58 63.4 47.6 71.4



#50

Toluene-d8

Concen: 394.230 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051666.D

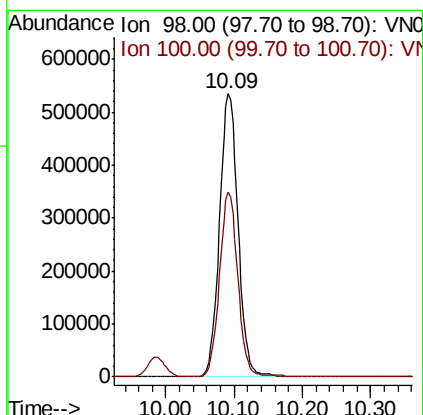
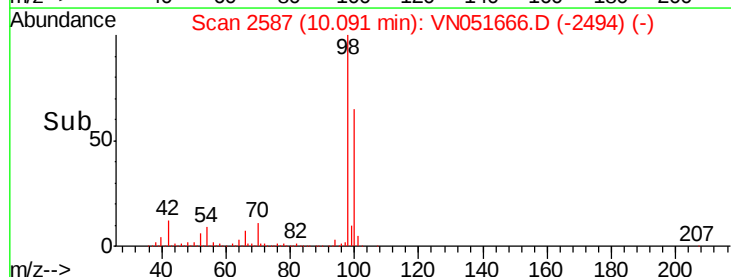
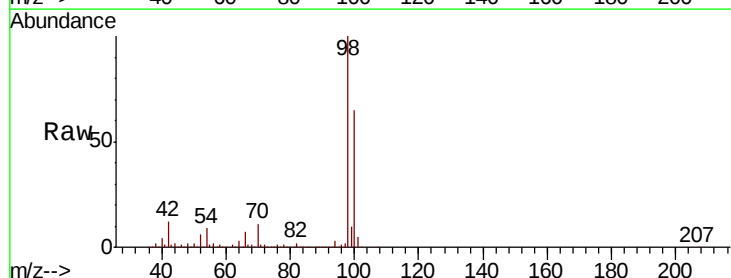
Acq: 4 Oct 2018 14:55

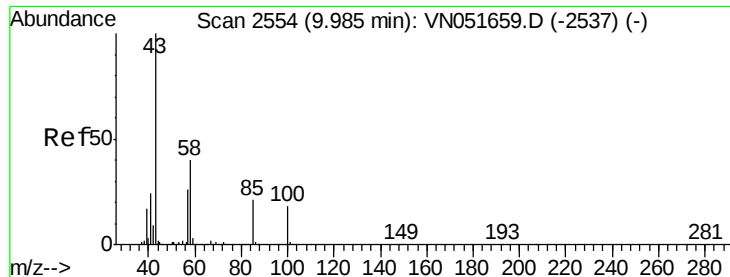
Tgt Ion: 98 Resp: 1009679

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3

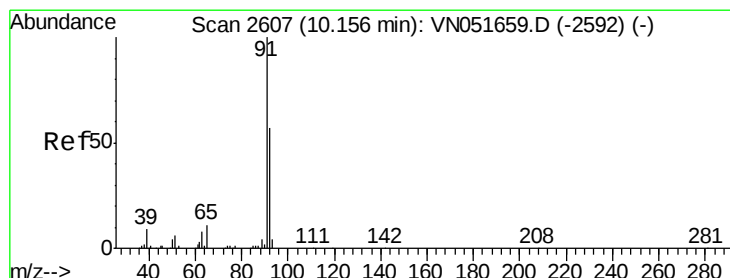
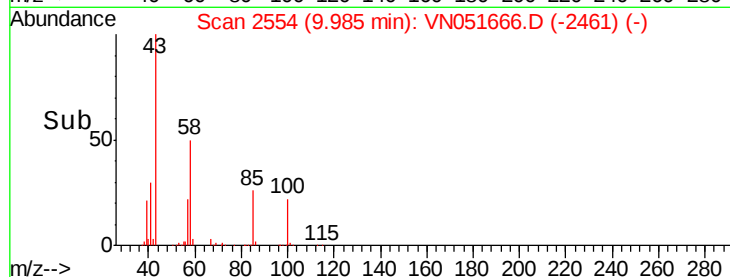
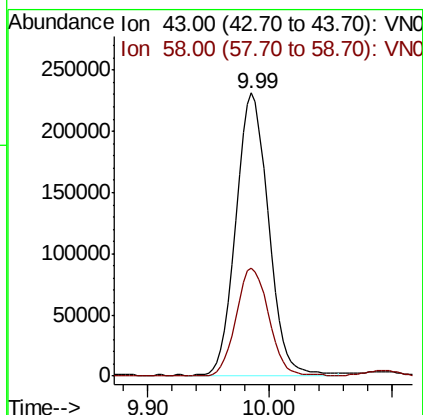
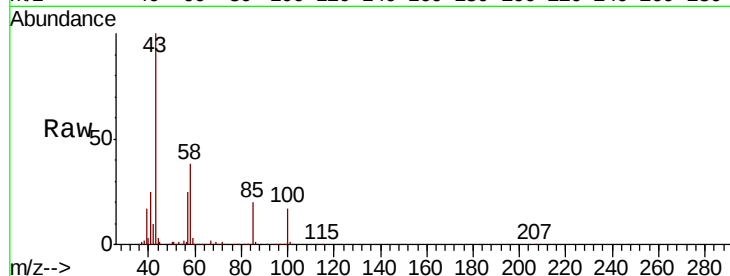




#51
 4-Methyl-2-Pentanone
 Concen: 103.060 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

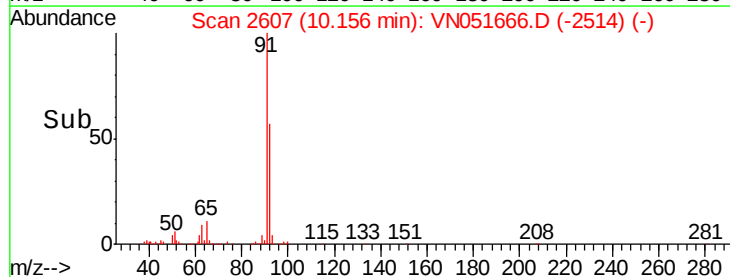
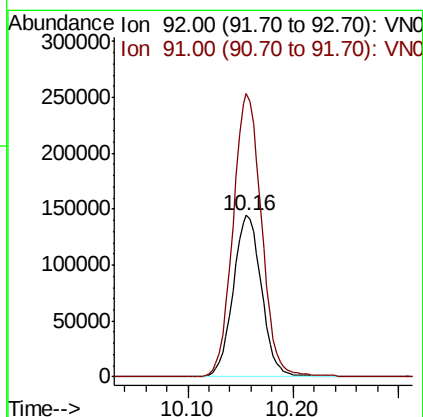
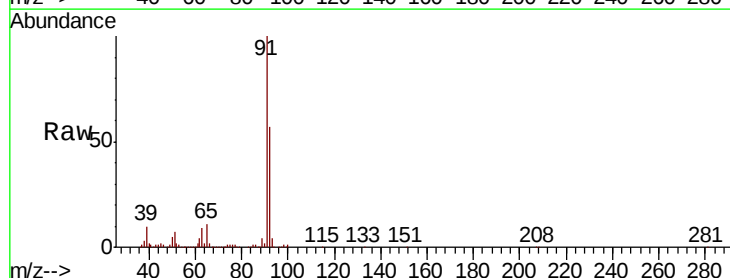
Instrument :
 MSVOA_N
 ClientSampleId :

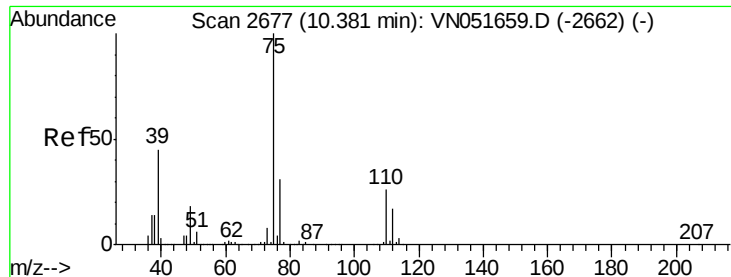
Tot Ion: 43 Resp: 424124
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.2 48.2



#52
 Toluene
 Concen: 18.282 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 92 Resp: 269224
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.414 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

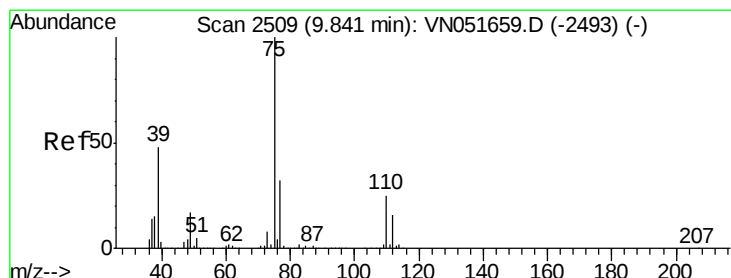
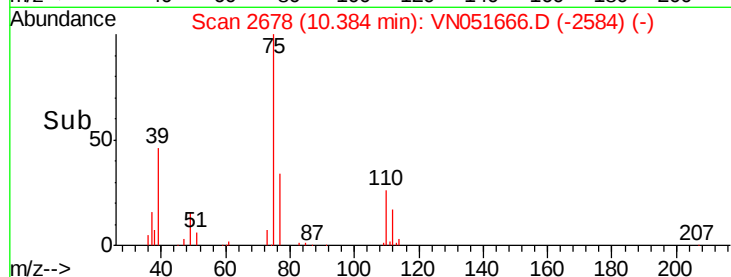
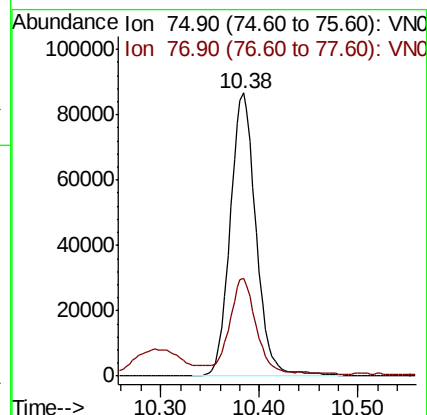
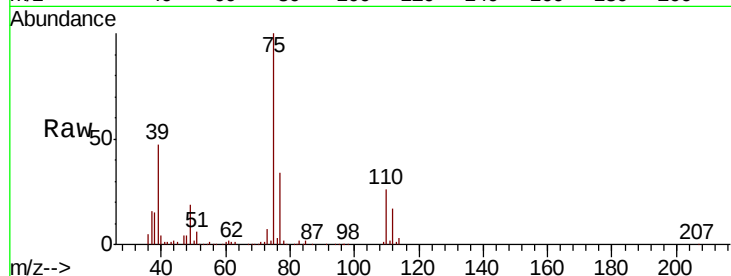
ClientSampled :

Tot Ion: 75 Resp: 159146

Ion Ratio Lower Upper

75 100

77 33.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.552 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

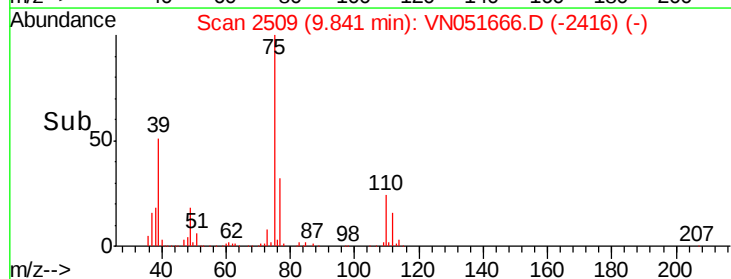
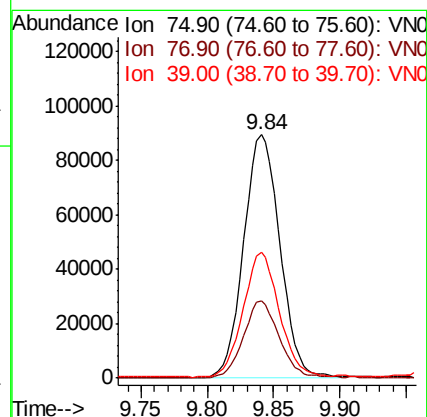
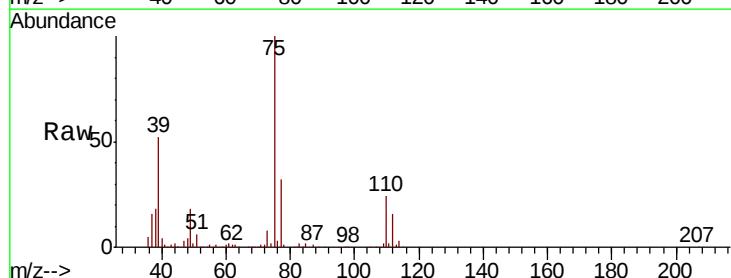
Tgt Ion: 75 Resp: 170270

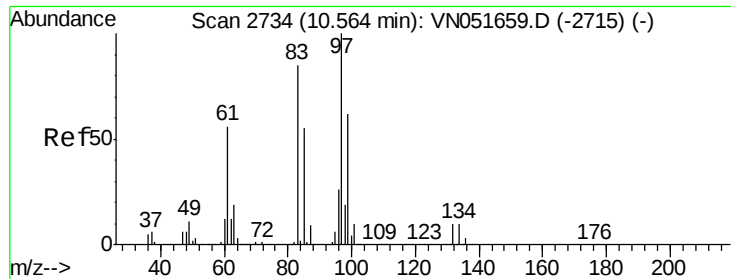
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 51.4 38.1 57.1

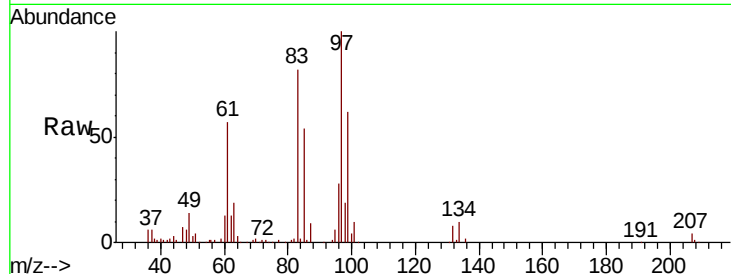




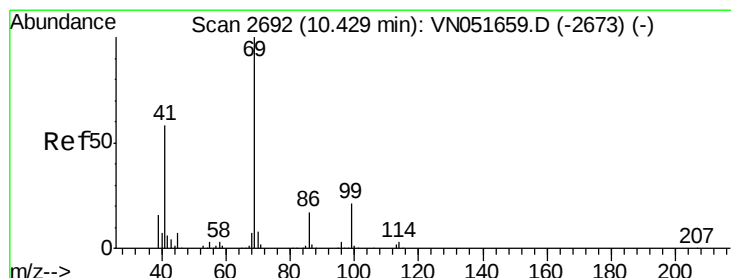
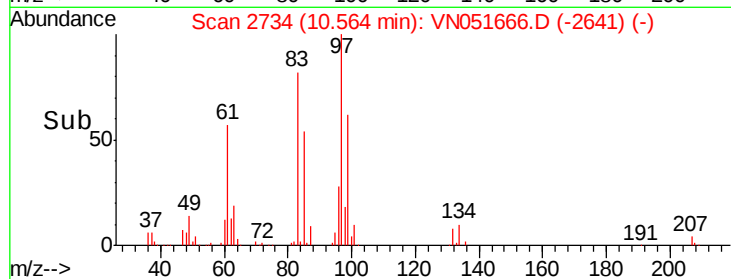
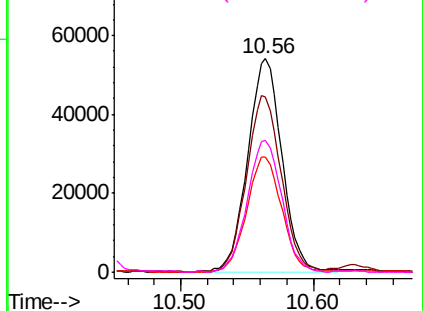
#55
 1,1,2-Trichloroethane
 Concen: 18.649 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 97828
 Ion Ratio Lower Upper
 97 100
 83 82.0 68.1 102.1
 85 54.0 43.6 65.4
 99 61.6 49.4 74.0

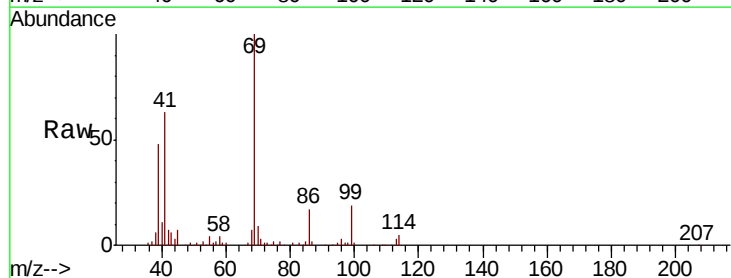


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

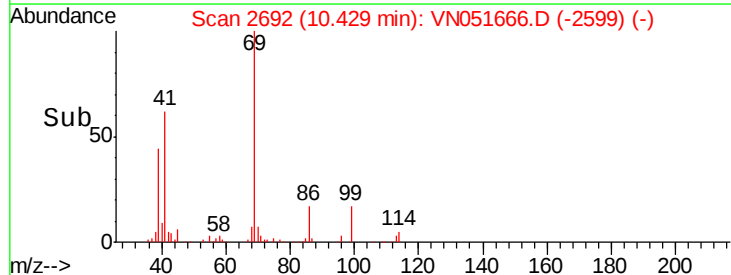
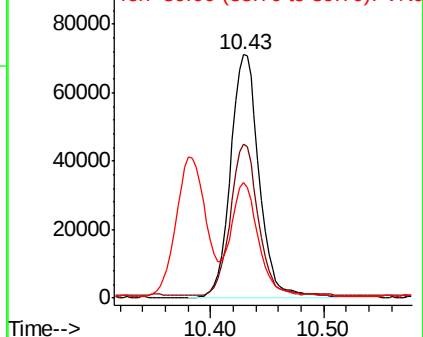


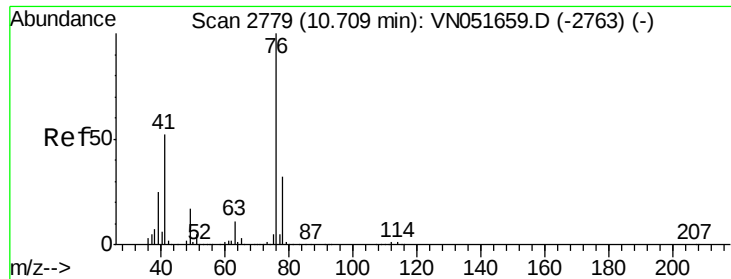
#56
 Ethyl methacrylate
 Concen: 18.742 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 69 Resp: 124332
 Ion Ratio Lower Upper
 69 100
 41 60.6 46.4 69.6
 39 43.0 32.4 48.6



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

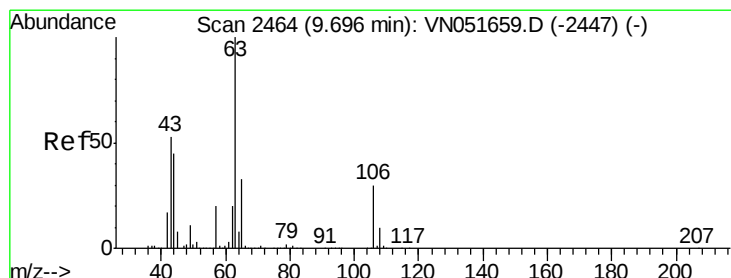
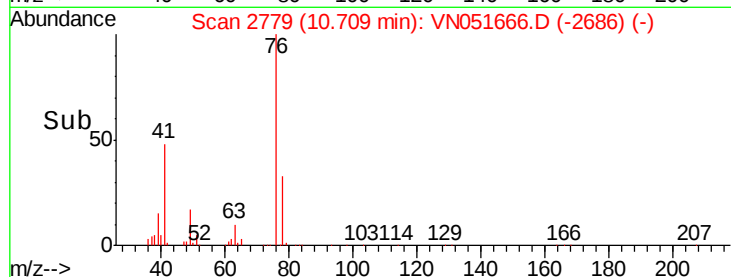
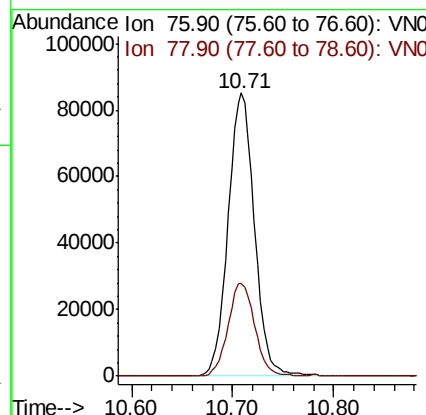
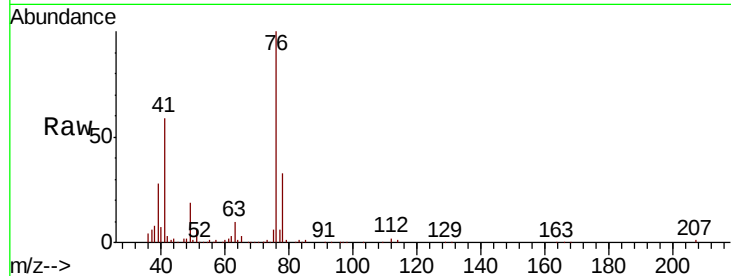




#57
 1,3-Dichloropropane
 Concen: 18.713 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

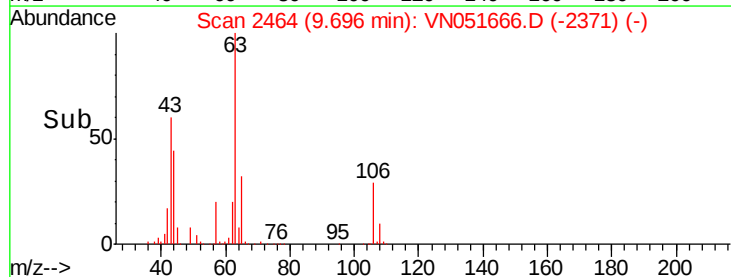
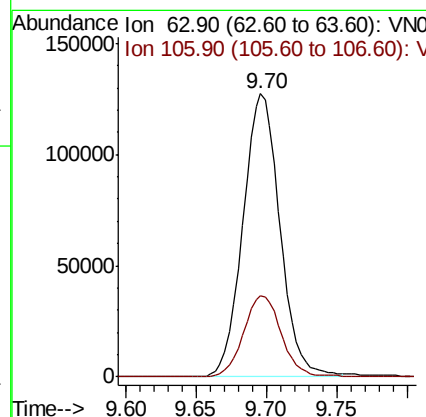
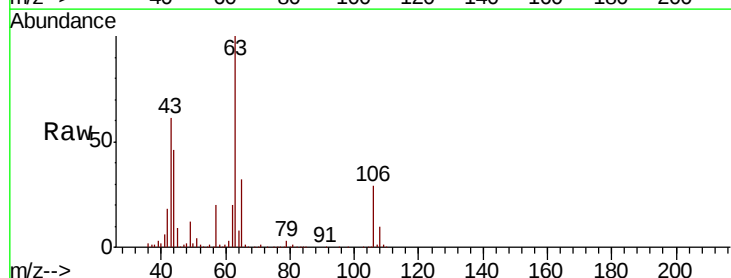
Instrument :
 MSVOA_N
 ClientSampled :

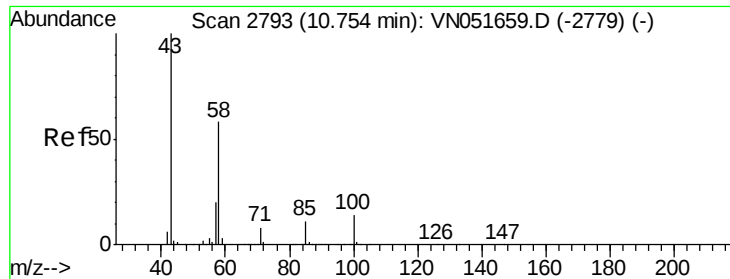
Tot Ion: 76 Resp: 155369
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.158 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 63 Resp: 233805
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.3 36.5

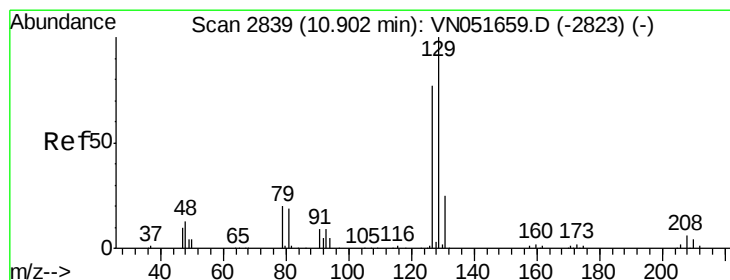
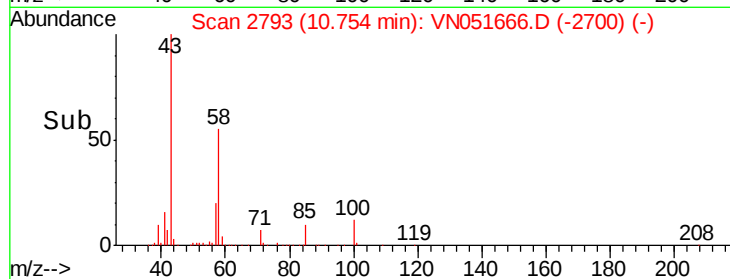
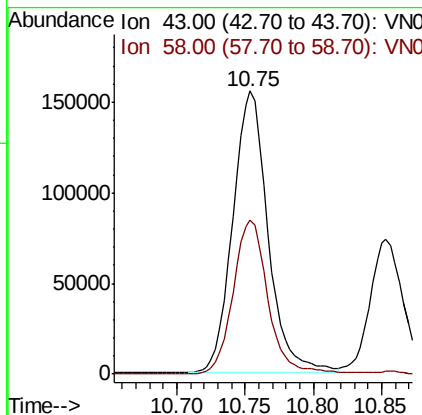
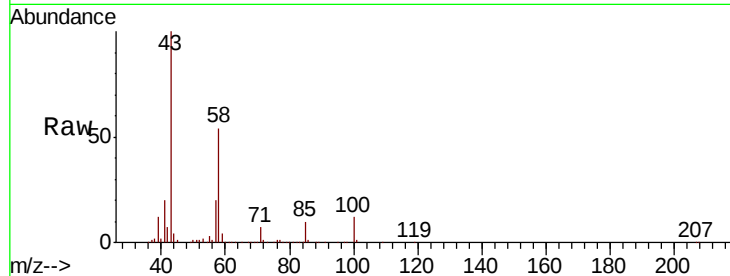




#59
2-Hexanone
Concen: 99.481 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

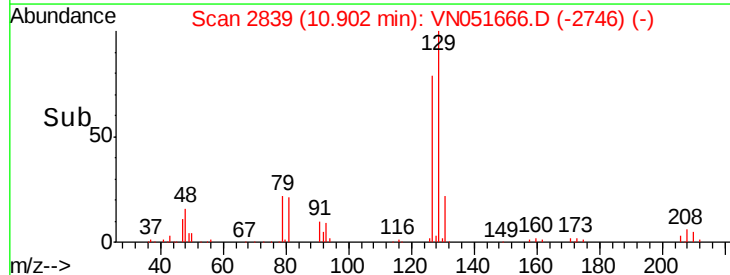
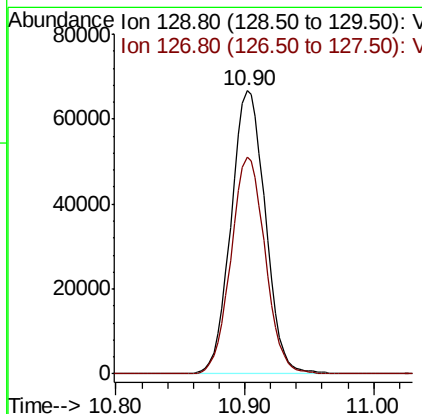
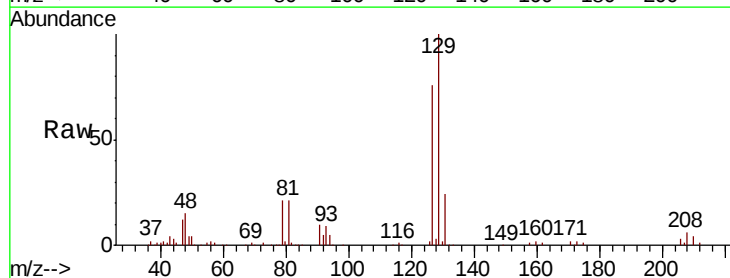
Instrument :
MSVOA_N
ClientSampleId :

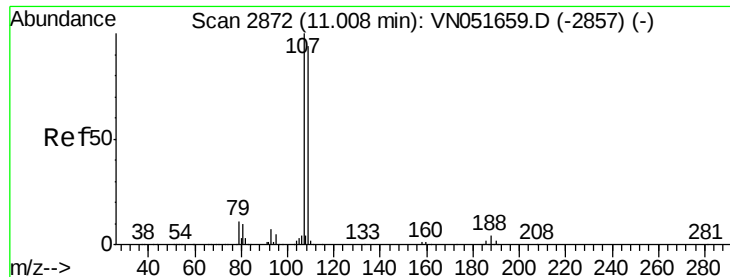
Tot Ion: 43 Resp: 278033
Ion Ratio Lower Upper
43 100
58 54.4 28.8 86.4



#60
Dibromochloromethane
Concen: 17.974 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 129 Resp: 123388
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.023 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

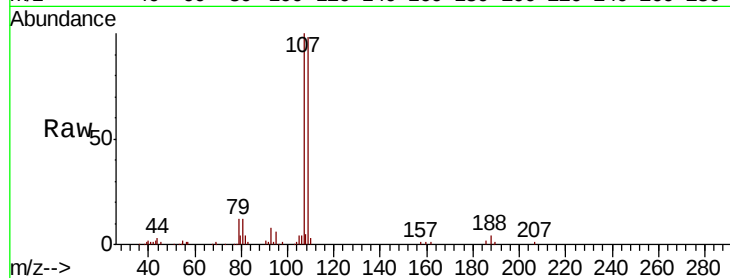
ClientSampleId :

Tot Ion:107 Resp: 99946

Ion Ratio Lower Upper

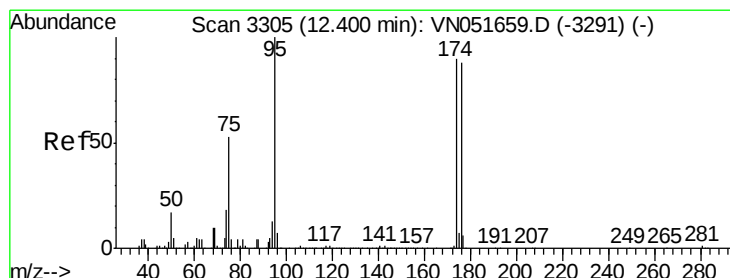
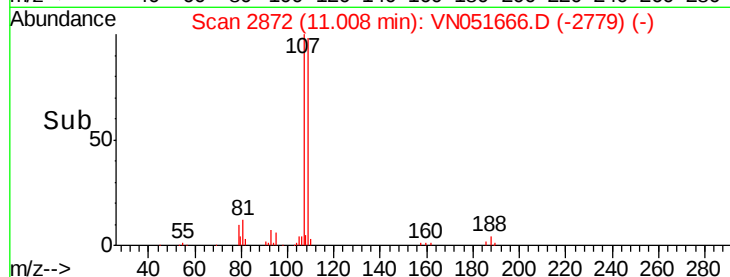
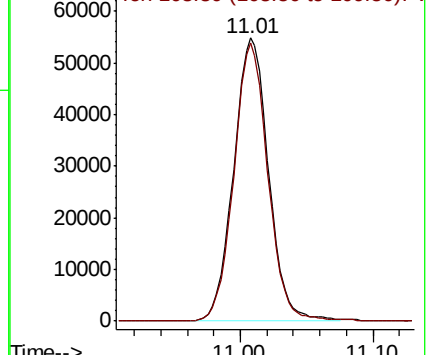
107 100

109 95.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.023 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

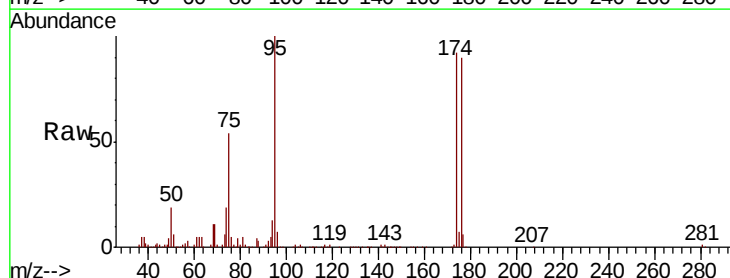
Tgt Ion: 95 Resp: 321269

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

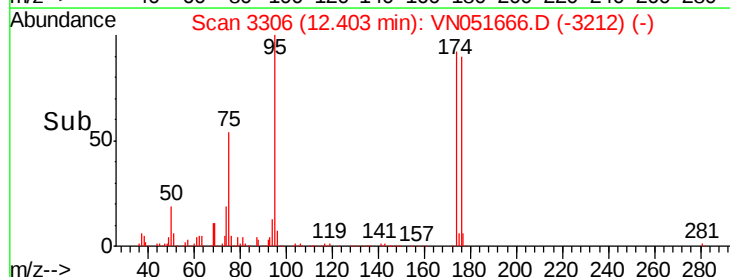
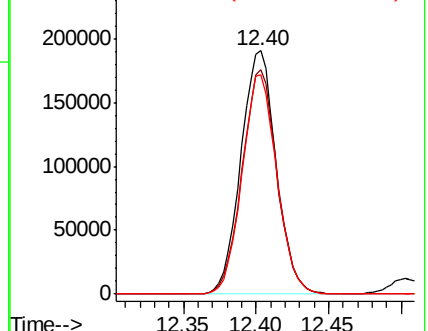
176 88.9 0.0 176.4

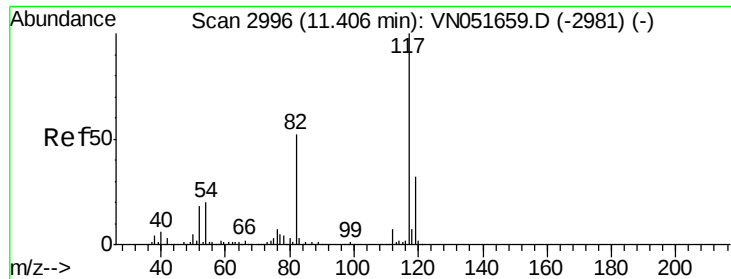


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

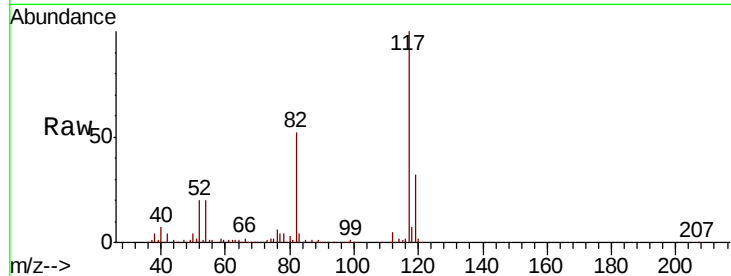




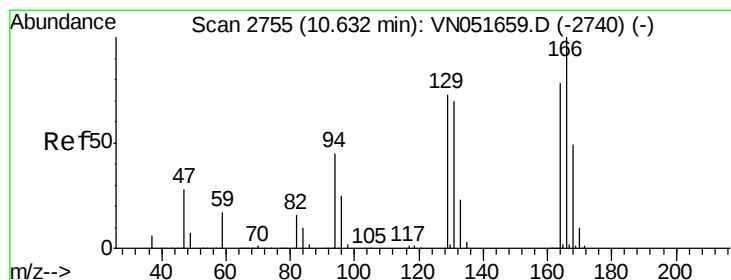
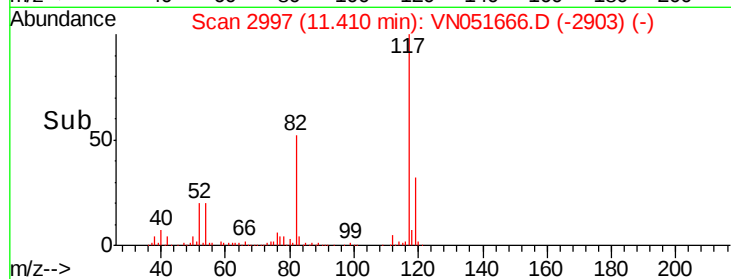
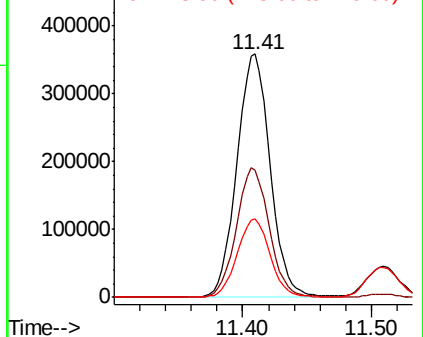
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 643910
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 32.2 25.9 38.9

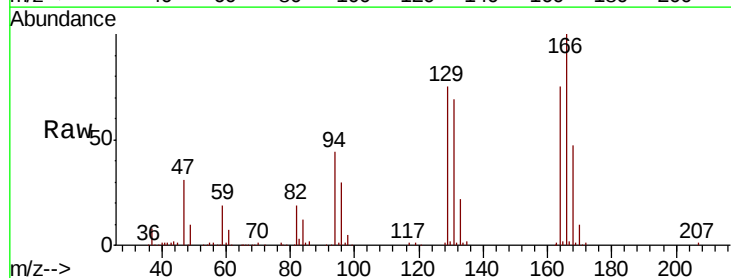


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

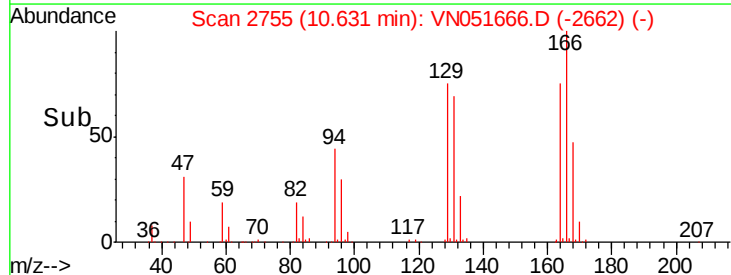
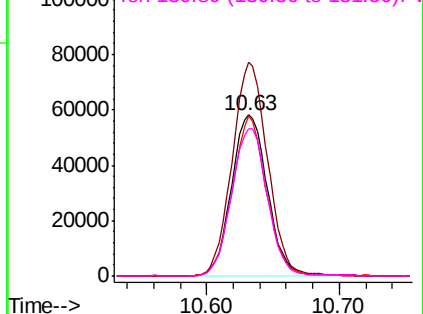


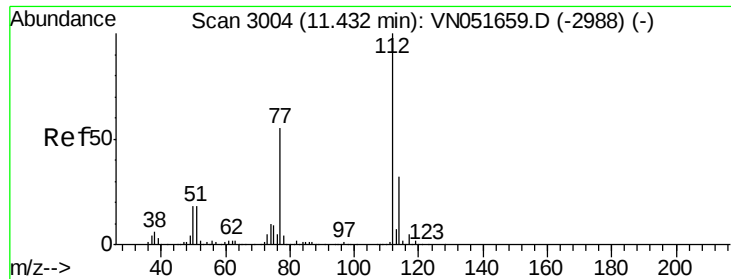
#64
Tetrachloroethene
Concen: 19.281 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion:164 Resp: 109531
Ion Ratio Lower Upper
164 100
166 132.5 103.0 154.6
129 99.5 75.2 112.8
131 91.6 71.7 107.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.332 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

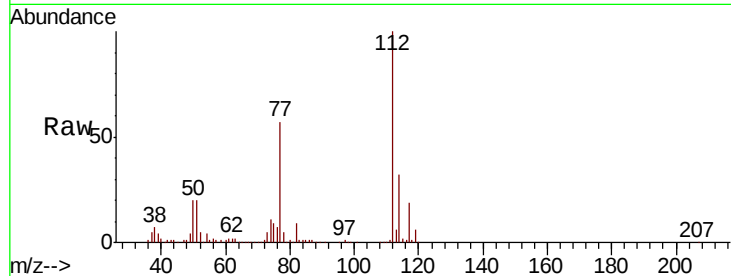
ClientSampled :

Tot Ion:112 Resp: 292343

Ion Ratio Lower Upper

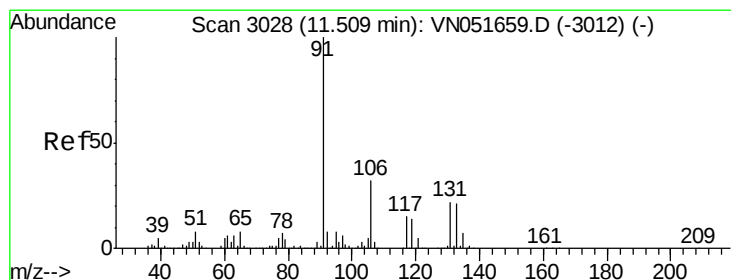
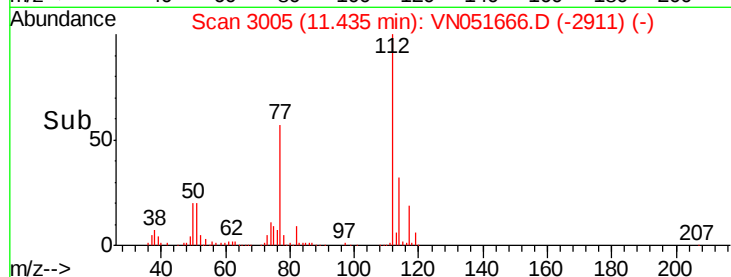
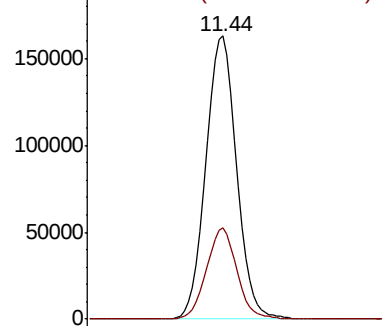
112 100

114 32.4 25.9 38.9



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: 18.556 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

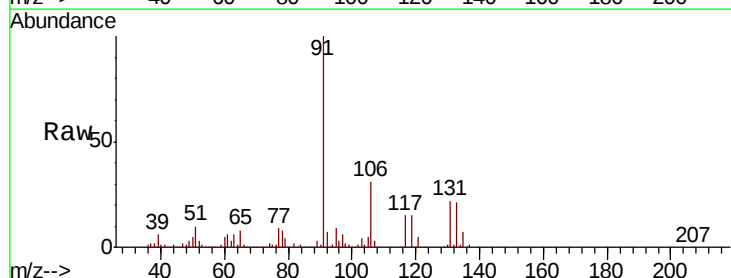
Tgt Ion:131 Resp: 118486

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.8

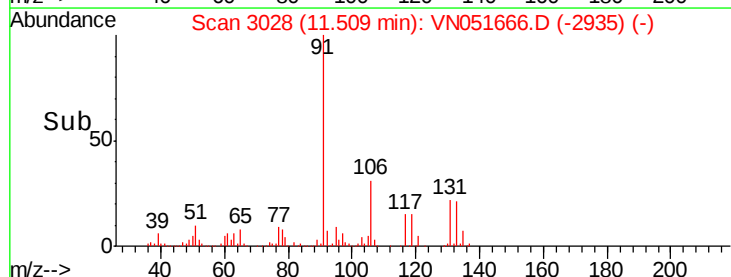
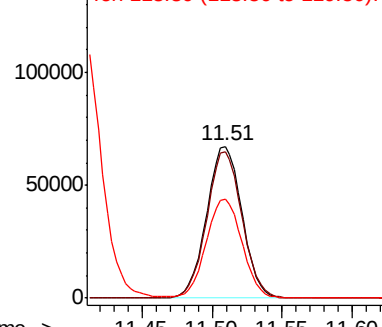
119 66.4 32.0 96.0

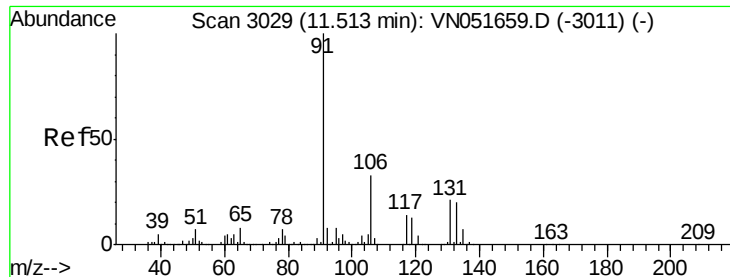


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

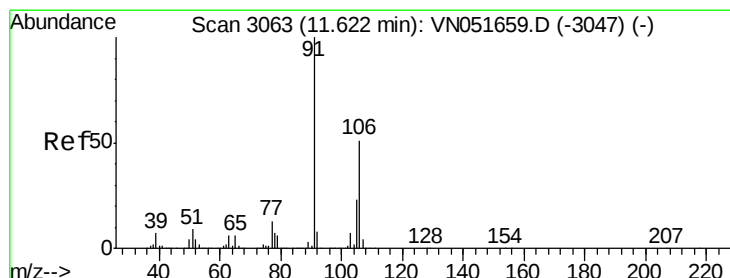
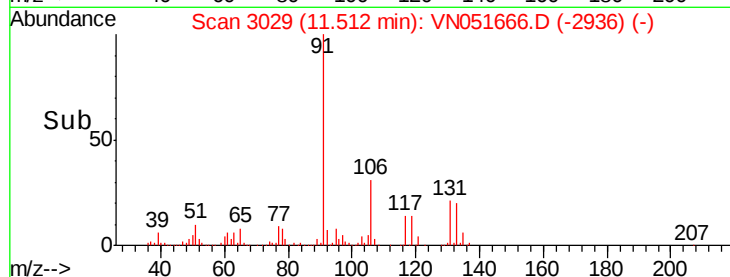
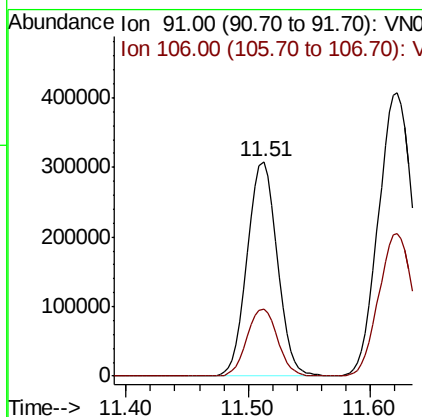
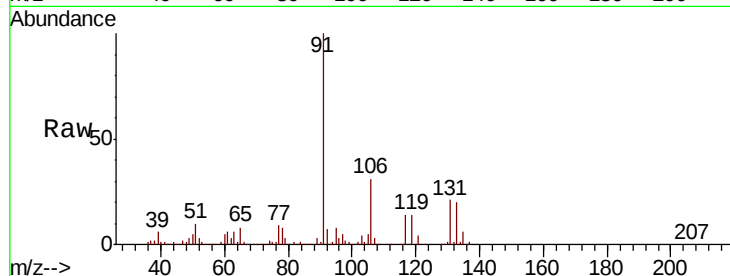




#67
Ethyl Benzene
Concen: 18.899 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

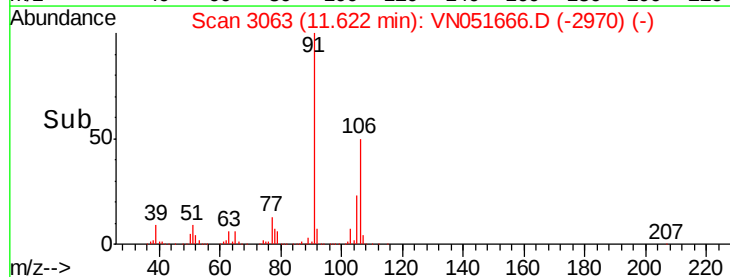
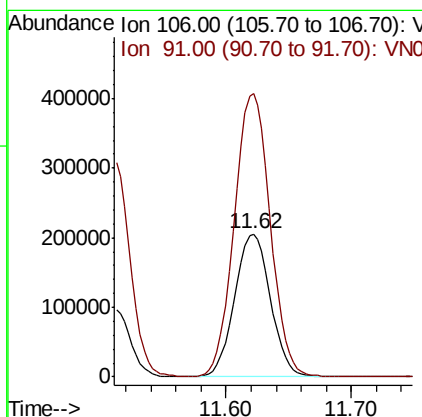
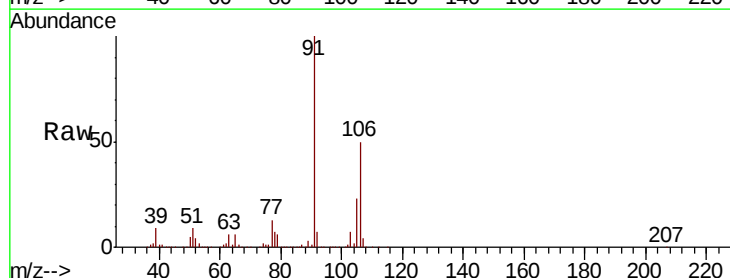
Instrument :
MSVOA_N
ClientSampled :

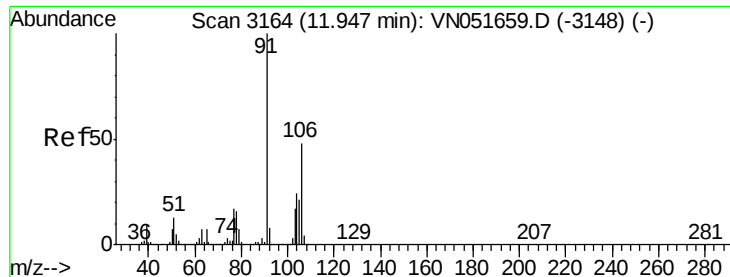
Tot Ion: 91 Resp: 520945
Ion Ratio Lower Upper
91 100
106 31.3 26.0 39.0



#68
m/p-Xylenes
Concen: 36.789 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 106 Resp: 405745
Ion Ratio Lower Upper
106 100
91 199.7 158.4 237.6

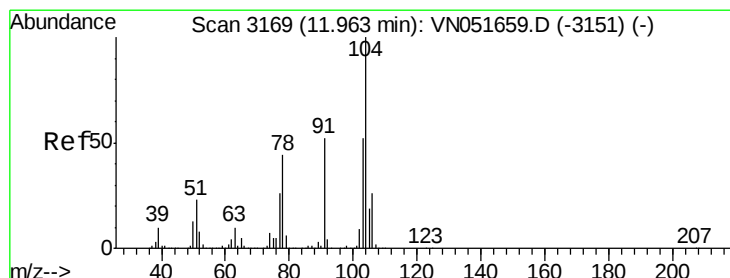
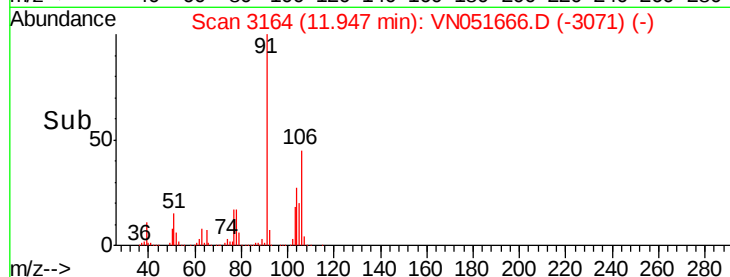
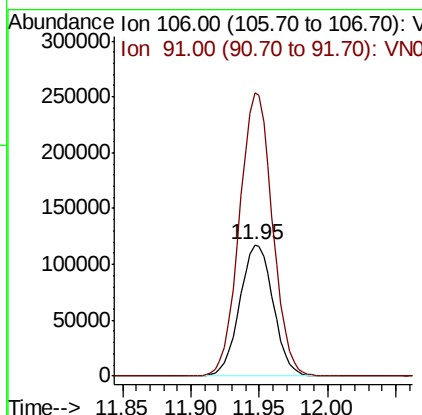
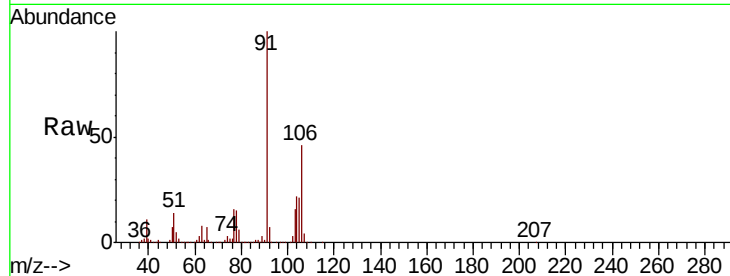




#69
o-Xylene
Concen: 18.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

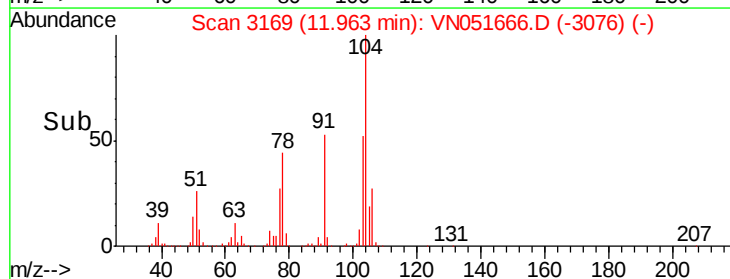
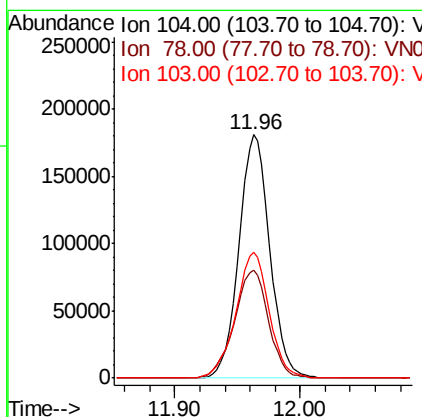
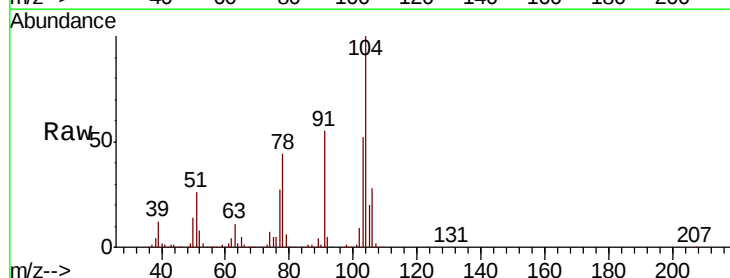
Instrument :
MSVOA_N
ClientSampled :

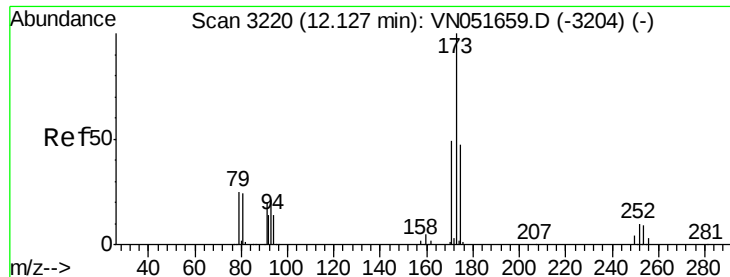
Tot Ion:106 Resp: 200273
Ion Ratio Lower Upper
106 100
91 212.2 104.4 313.2



#70
Styrene
Concen: 17.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion:104 Resp: 308991
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 17.333 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

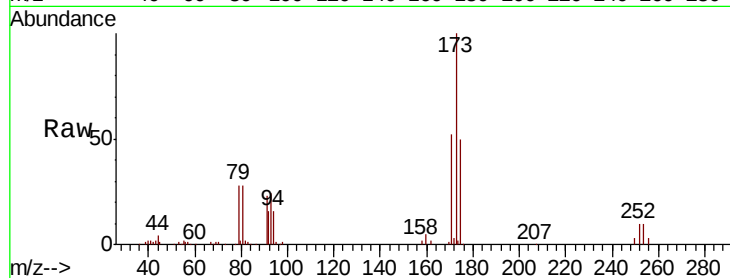
Tot Ion:173 Resp: 82324

Ion Ratio Lower Upper

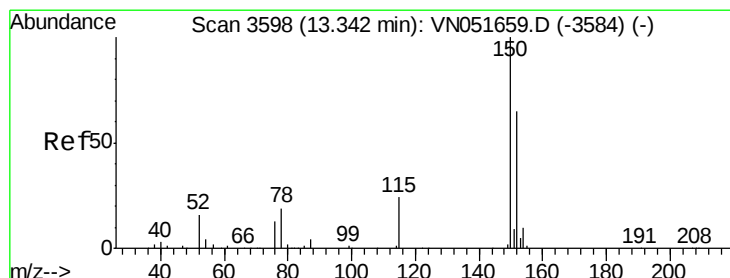
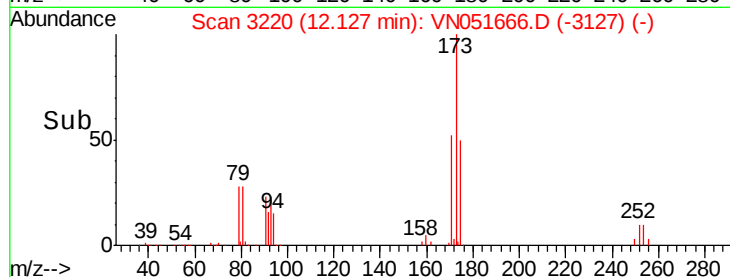
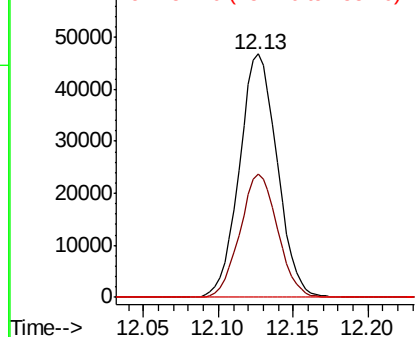
173 100

175 50.2 24.0 72.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

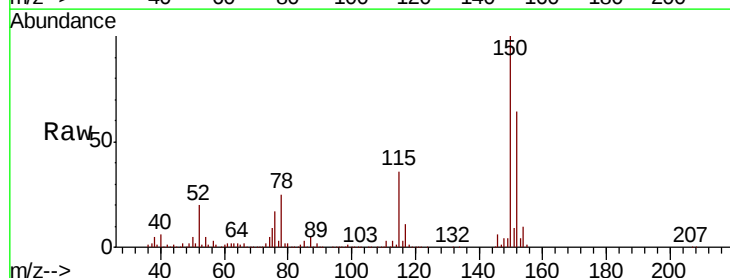
Tgt Ion:152 Resp: 306086

Ion Ratio Lower Upper

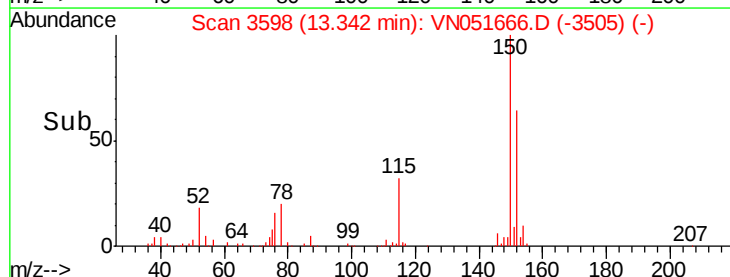
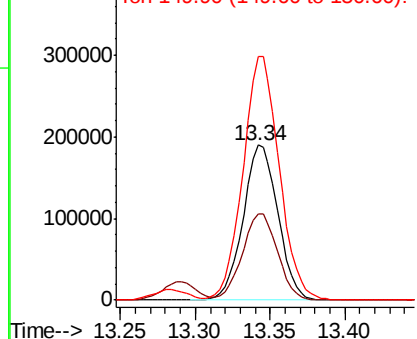
152 100

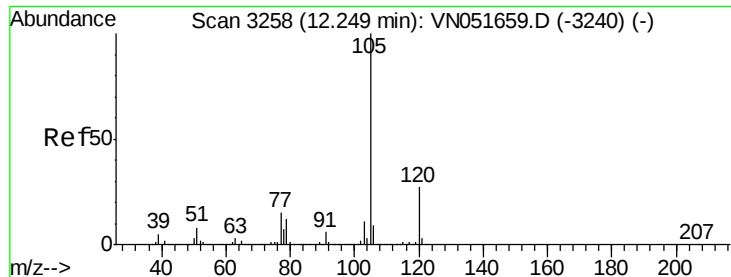
115 56.5 28.6 85.8

150 164.4 0.0 352.4



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: 20.453 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

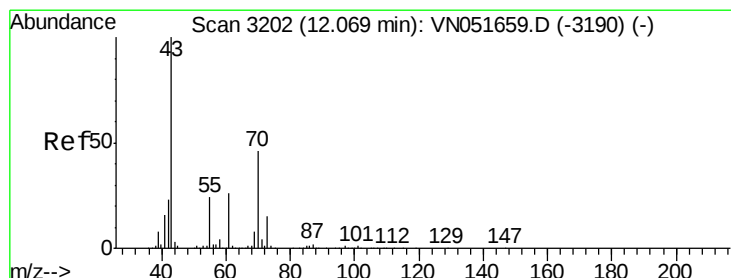
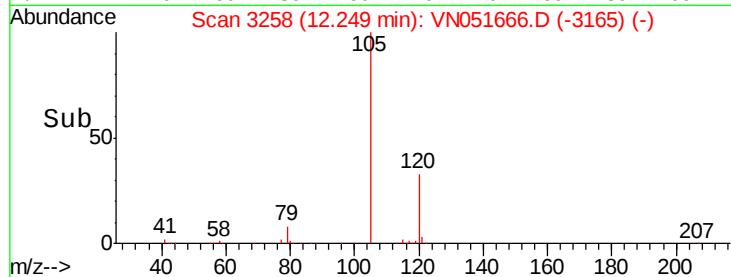
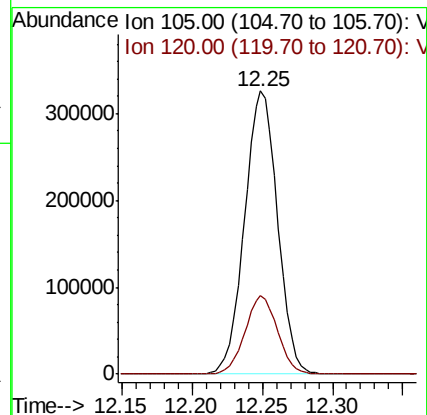
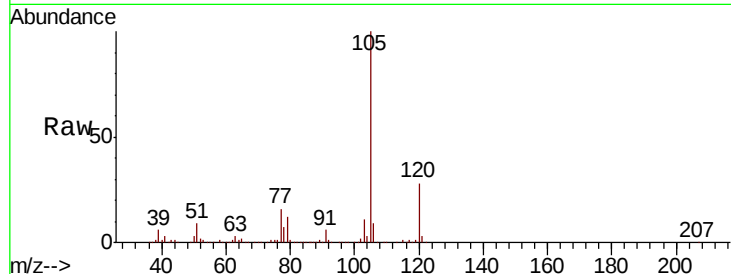
ClientSampleId :

Tot Ion:105 Resp: 533670

Ion Ratio Lower Upper

105 100

120 27.2 13.9 41.6



#74

N-ethyl acetate

Concen: 20.902 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion: 43 Resp: 123020

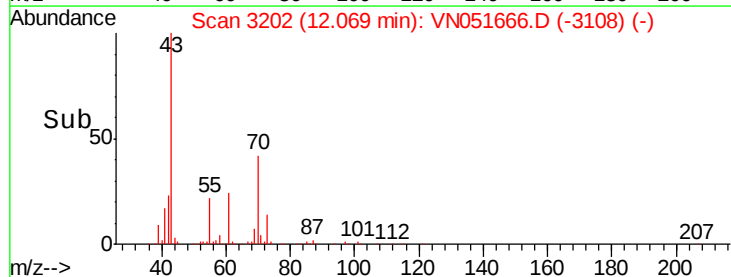
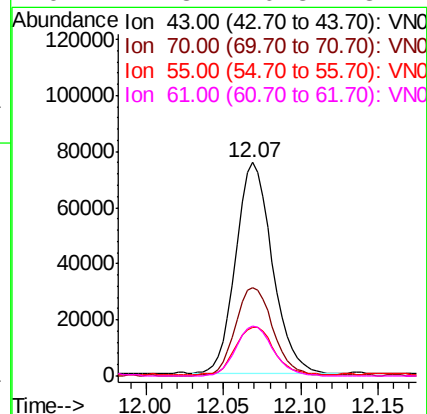
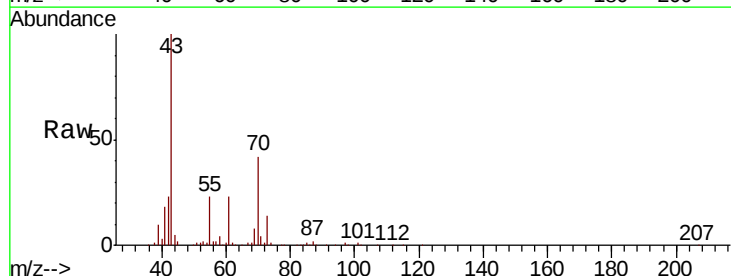
Ion Ratio Lower Upper

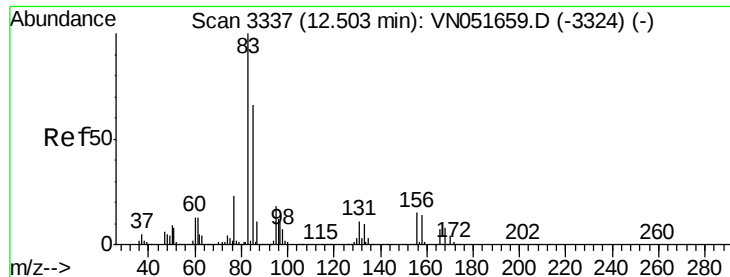
43 100

70 43.6 37.1 55.7

55 23.8 19.1 28.7

61 24.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.752 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

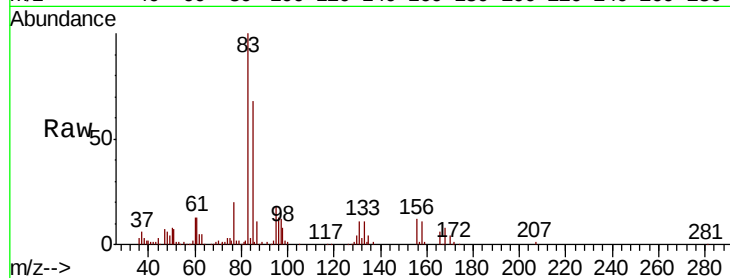
Tot Ion: 83 Resp: 116436

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

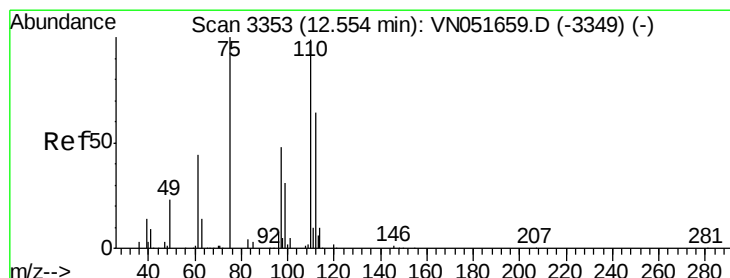
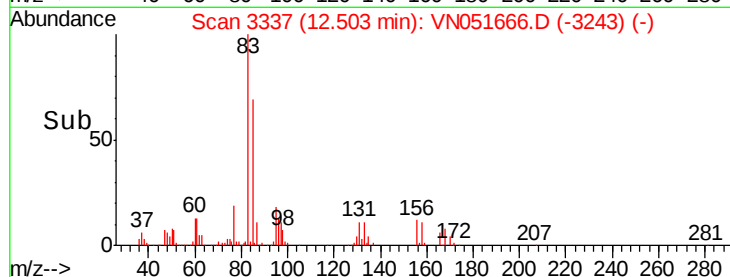
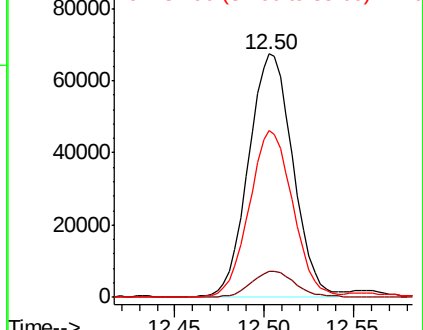
85 67.7 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN051666.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051666.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051666.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 37.214 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051666.D

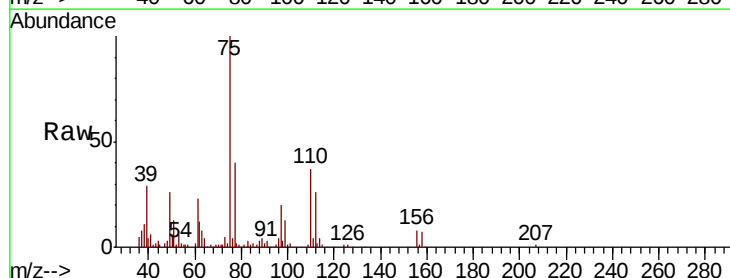
Acq: 4 Oct 2018 14:55

Tgt Ion: 75 Resp: 145522

Ion Ratio Lower Upper

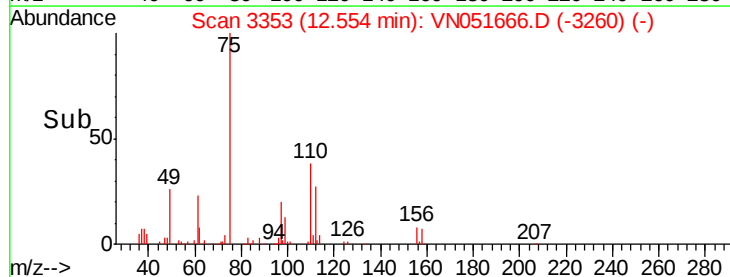
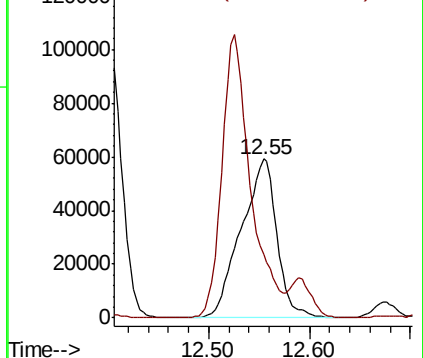
75 100

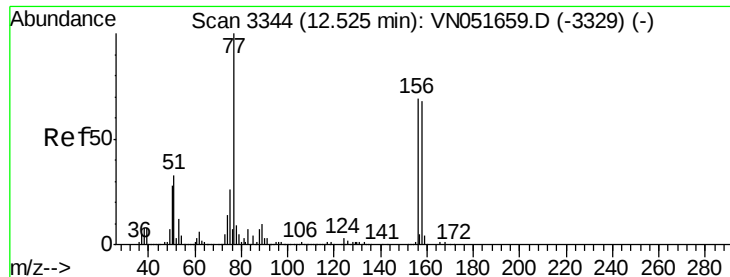
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051666.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051666.D (-3260) (-)





#77

Bromobenzene

Concen: 19.492 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

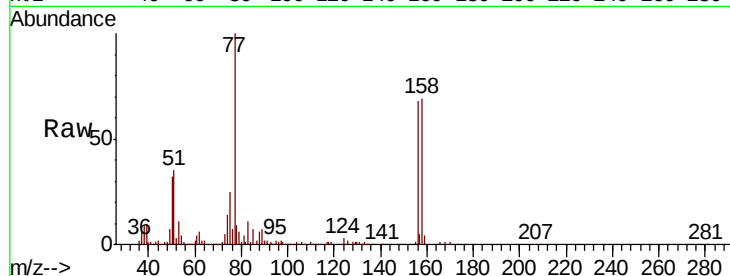
Tot Ion:156 Resp: 124352

Ion Ratio Lower Upper

156 100

77 169.1 83.2 249.4

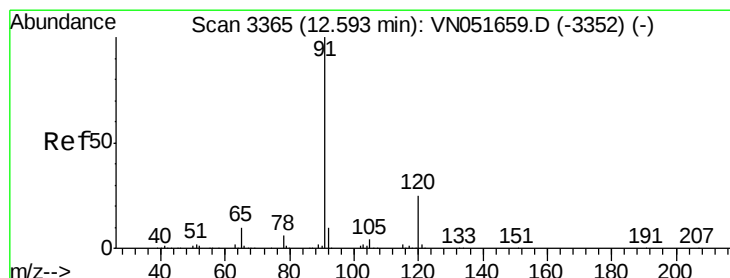
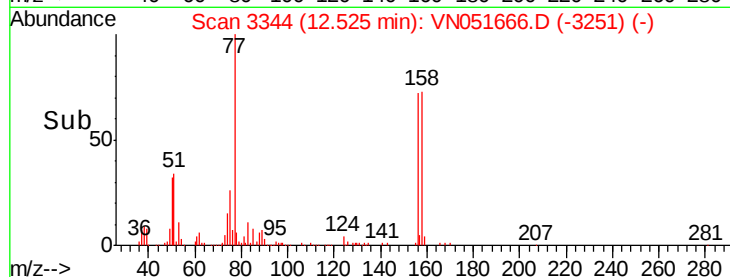
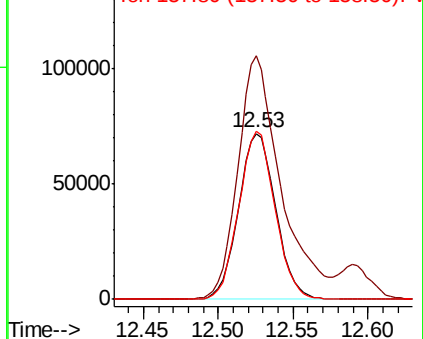
158 98.8 49.0 147.2



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: 20.287 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051666.D

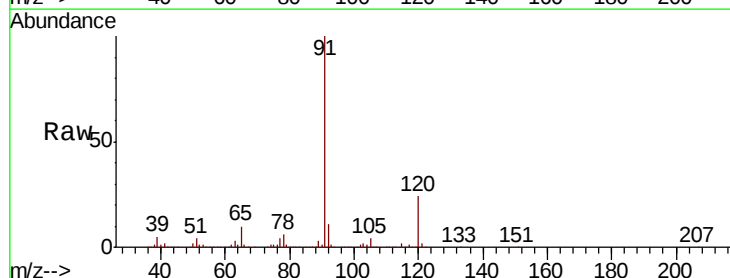
Acq: 4 Oct 2018 14:55

Tgt Ion: 91 Resp: 577338

Ion Ratio Lower Upper

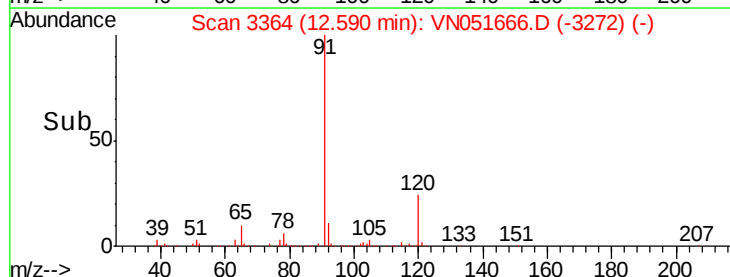
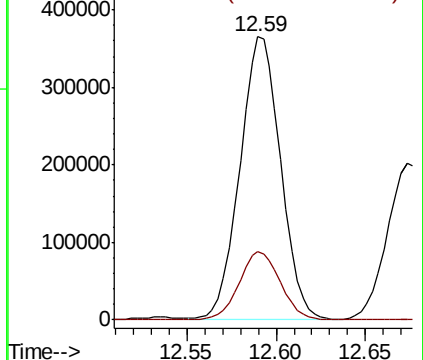
91 100

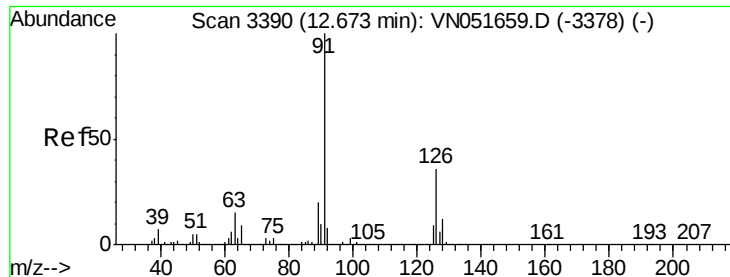
120 24.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.033 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

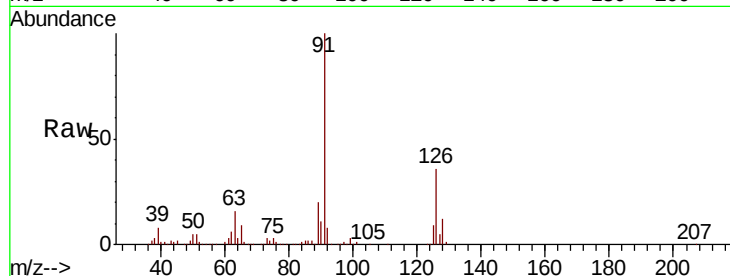
ClientSampled :

Tot Ion: 91 Resp: 336000

Ion Ratio Lower Upper

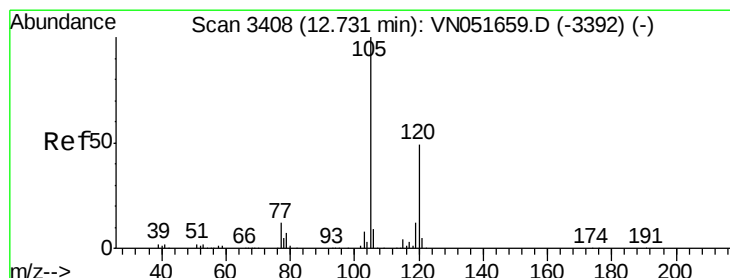
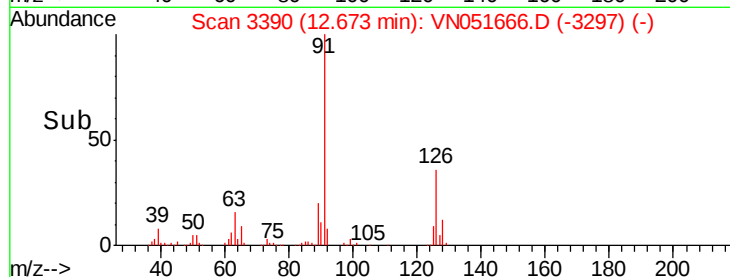
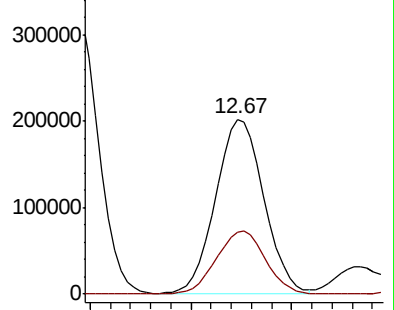
91 100

126 37.2 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051666.D

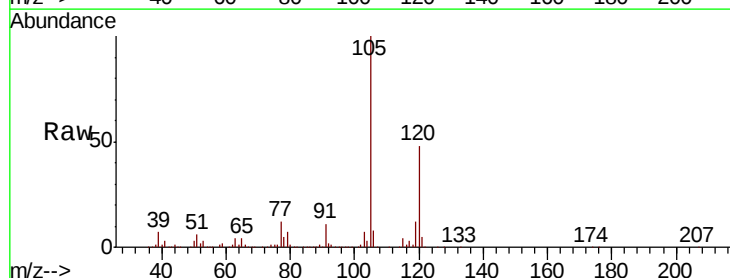
Acq: 4 Oct 2018 14:55

Tgt Ion:105 Resp: 445476

Ion Ratio Lower Upper

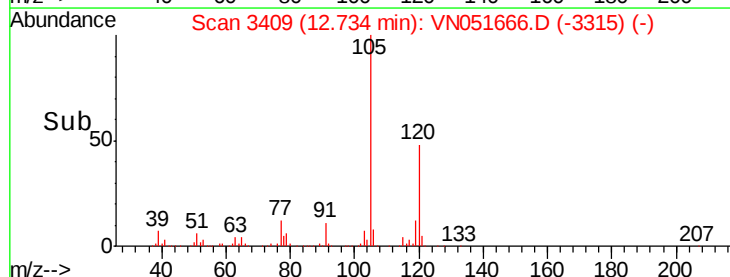
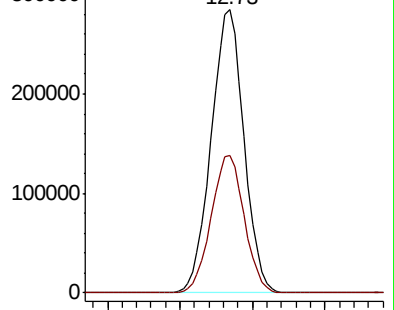
105 100

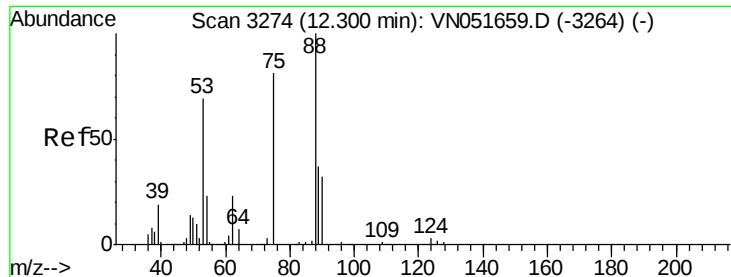
120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)

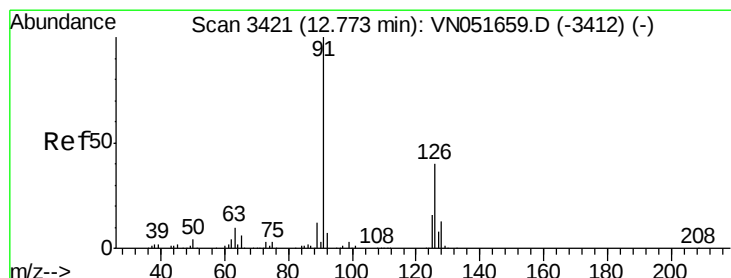
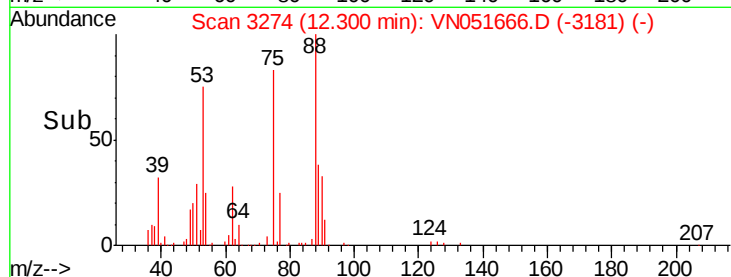
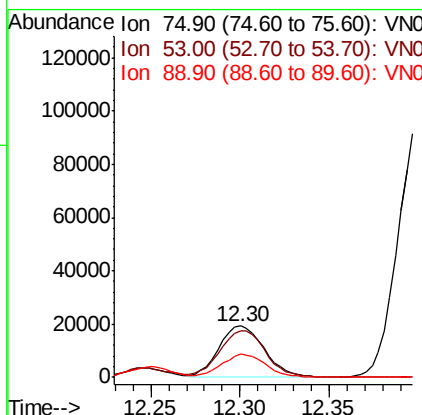
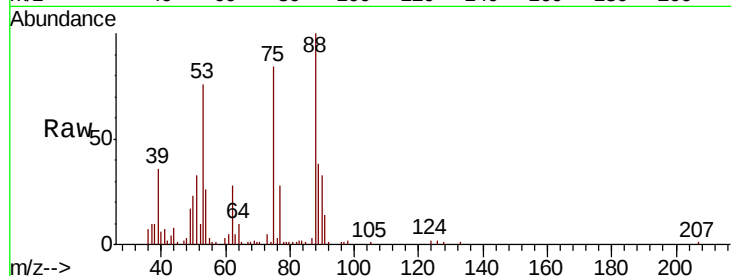




#81
trans-1,4-Dichloro-2-butene
Concen: 20.528 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

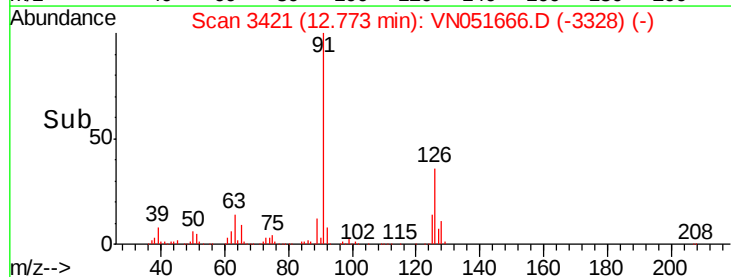
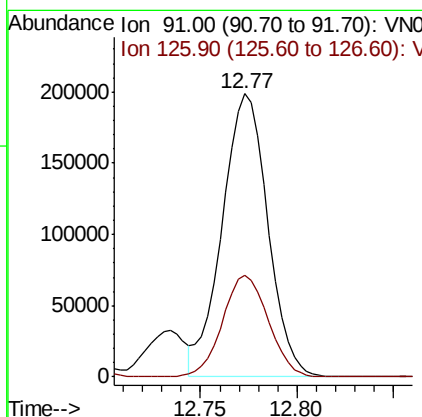
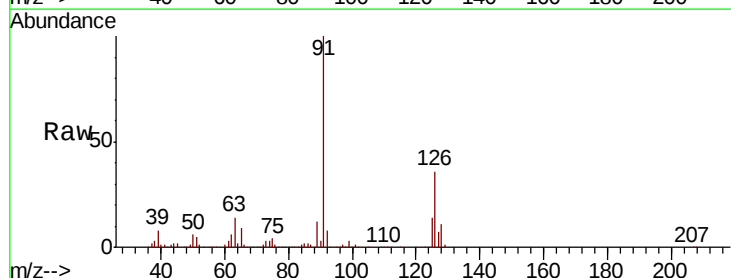
Instrument :
MSVOA_N
ClientSampled :

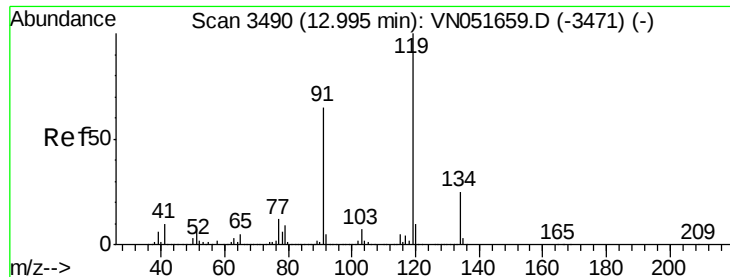
Tot Ion: 75 Resp: 34182
Ion Ratio Lower Upper
75 100
53 89.5 68.6 102.8
89 43.1 39.4 59.2



#82
4-Chlorotoluene
Concen: 19.234 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 91 Resp: 324082
Ion Ratio Lower Upper
91 100
126 36.3 18.0 54.0

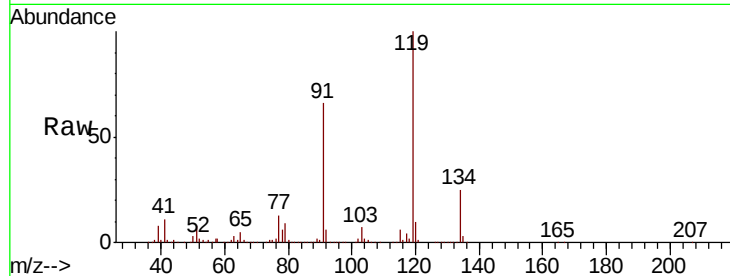




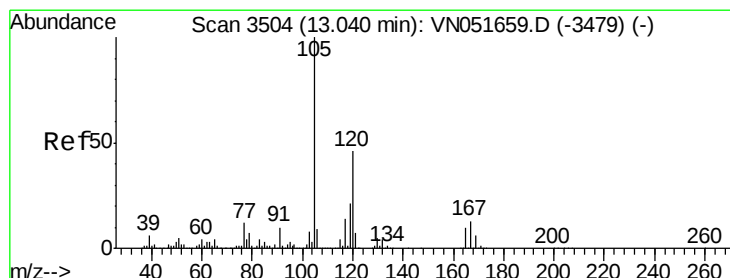
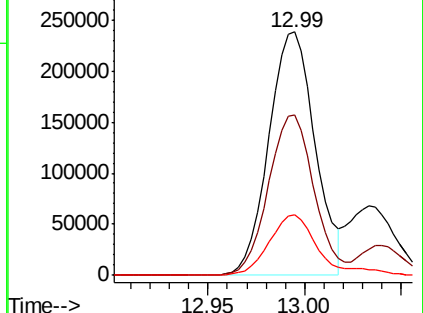
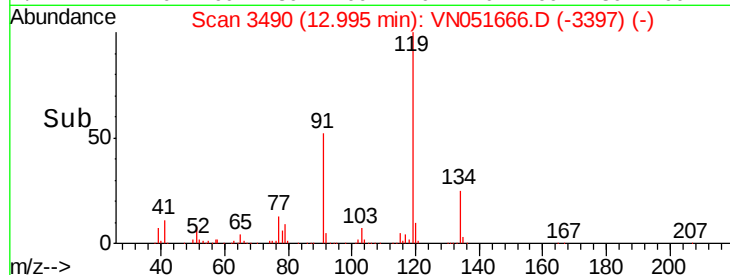
#83
tert-Butylbenzene
Concen: 20.153 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 397065
Ion Ratio Lower Upper
119 100
91 64.5 32.1 96.5
134 24.7 13.3 39.9

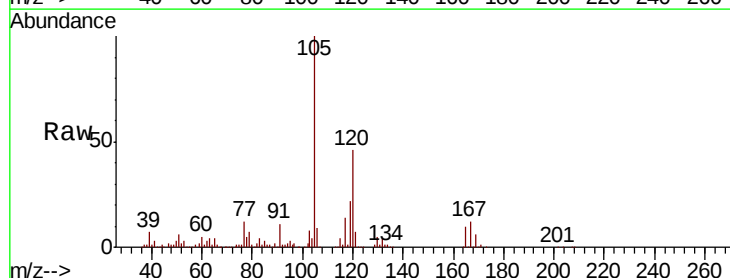


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

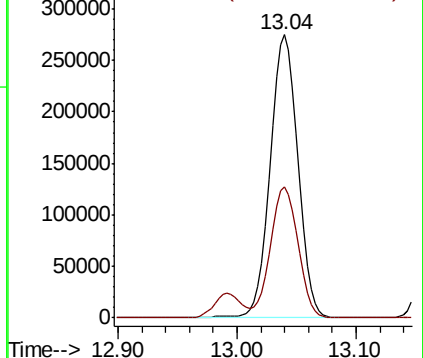
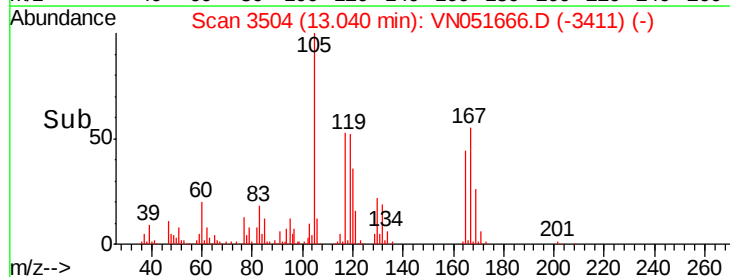


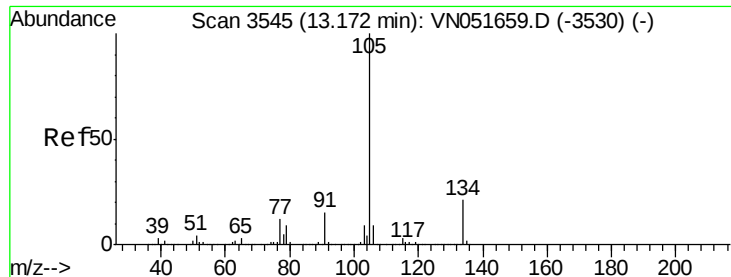
#84
1,2,4-Trimethylbenzene
Concen: 20.107 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion:105 Resp: 442855
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 20.373 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

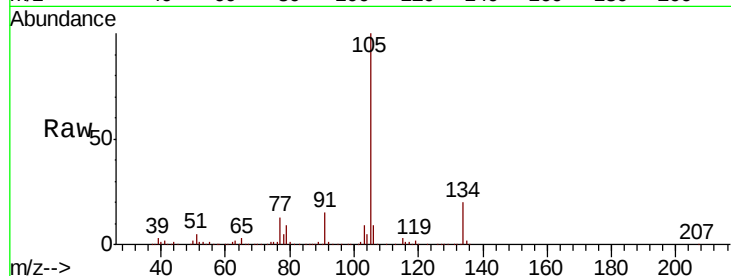
ClientSampleId :

Tot Ion:105 Resp: 530984

Ion Ratio Lower Upper

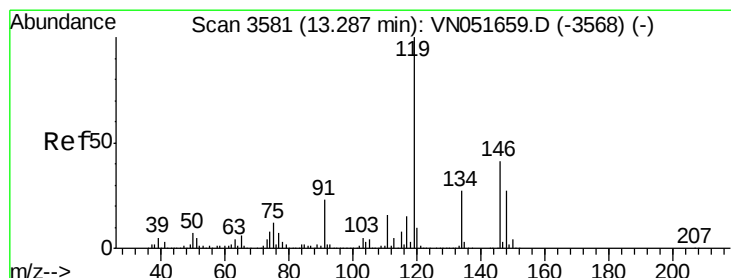
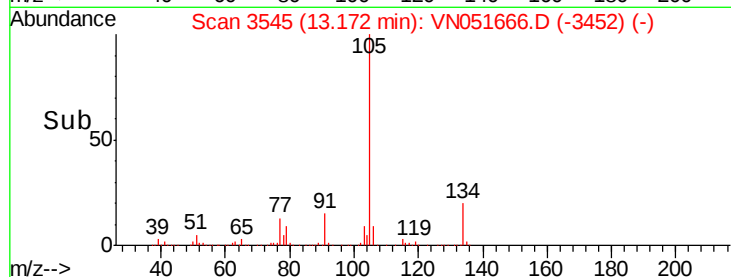
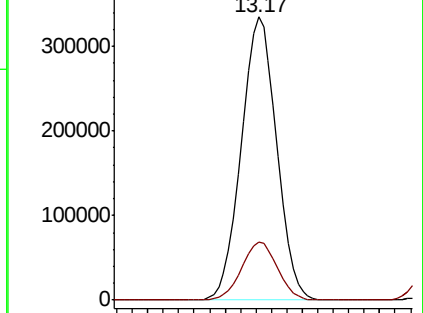
105 100

134 20.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

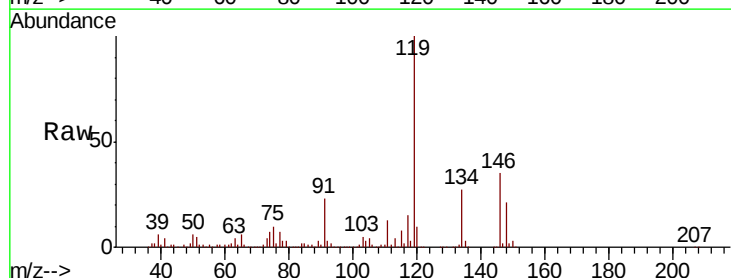
Tgt Ion:119 Resp: 461169

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

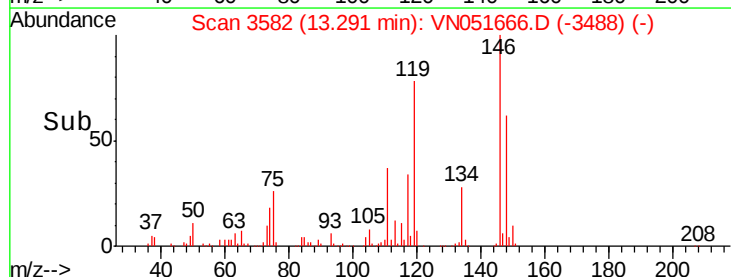
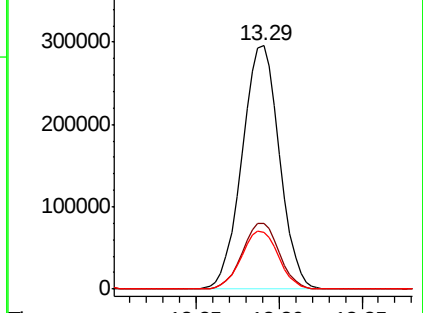
91 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

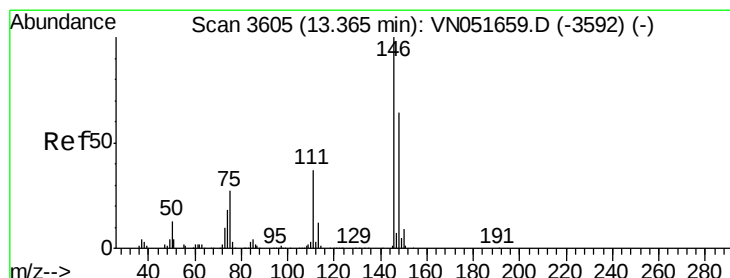
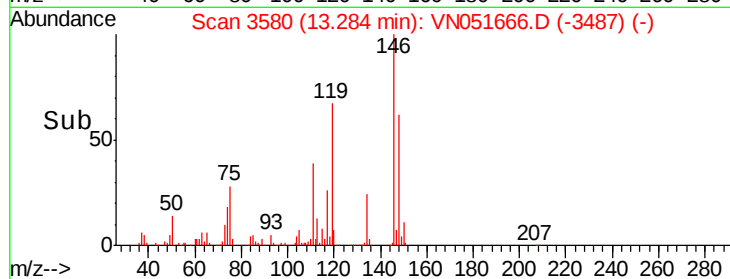
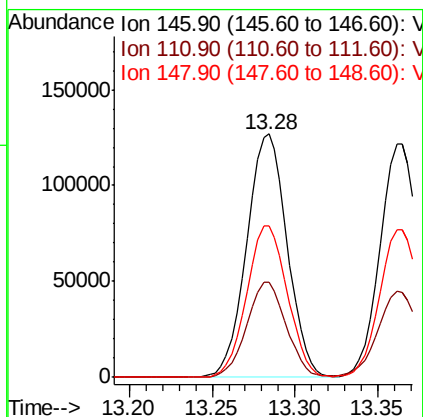
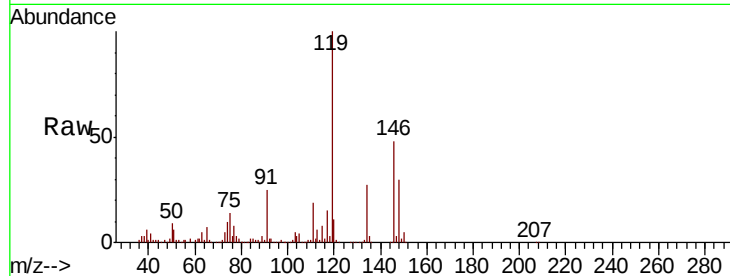




#87
 1,3-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

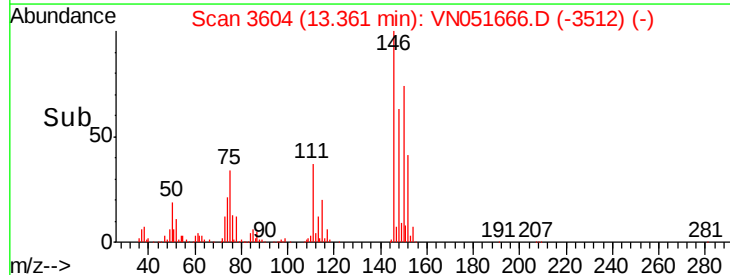
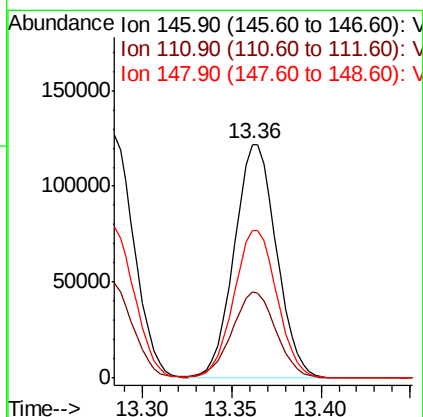
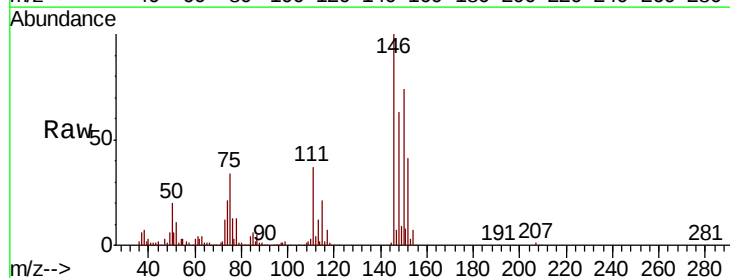
Instrument :
 MSVOA_N
 ClientSampled :

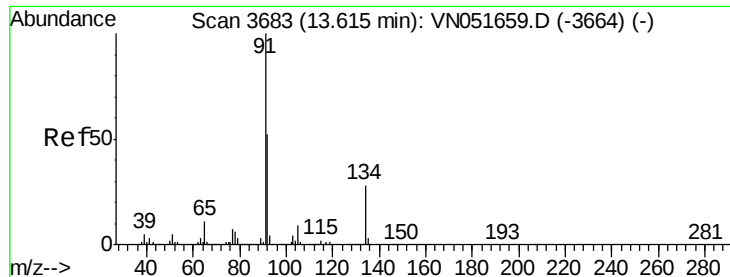
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	62.8	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.418 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.6	32.3	96.8

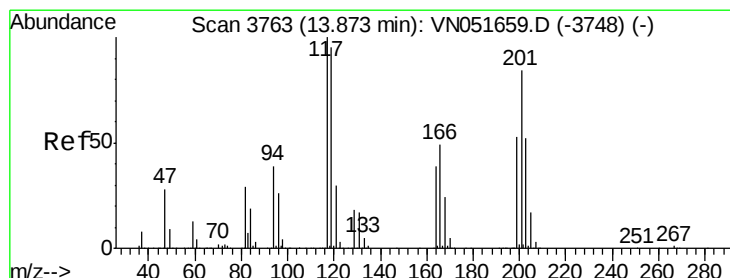
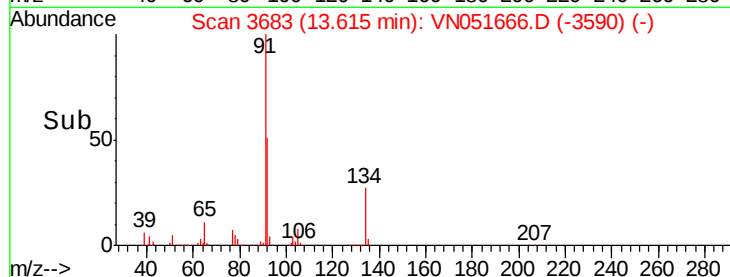
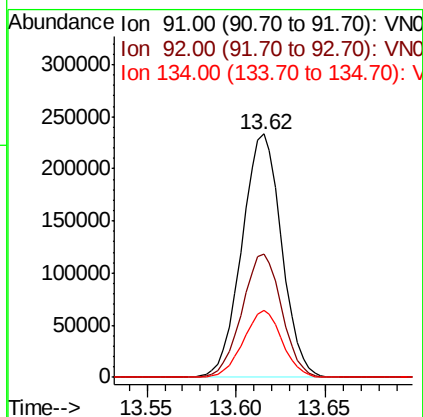
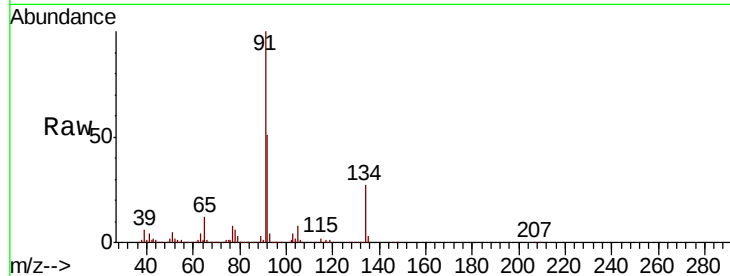




#89
n-Butylbenzene
Concen: 19.743 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

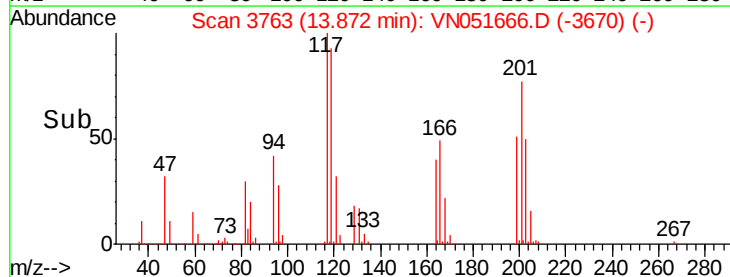
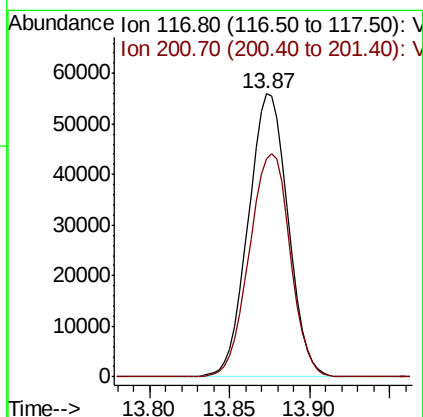
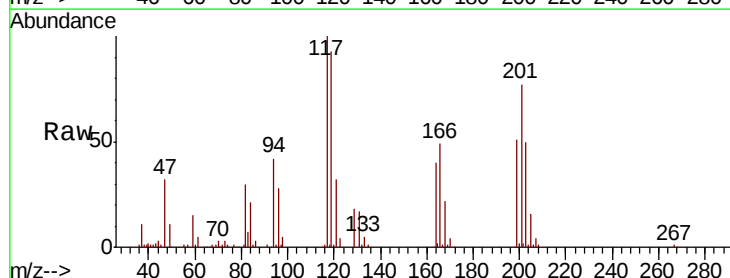
Instrument :
MSVOA_N
ClientSampled :

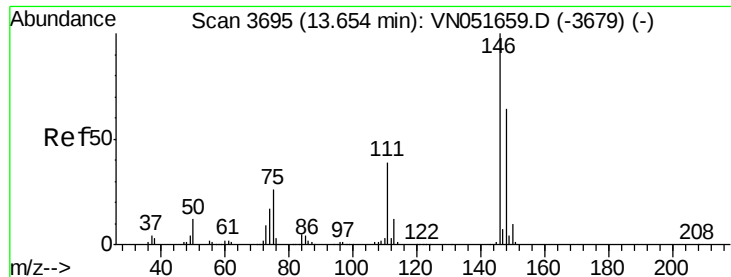
Tot Ion: 91 Resp: 360669
Ion Ratio Lower Upper
91 100
92 50.8 26.0 78.0
134 26.9 14.2 42.6



#90
Hexachloroethane
Concen: 20.770 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 117 Resp: 95747
Ion Ratio Lower Upper
117 100
201 81.1 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 19.275 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

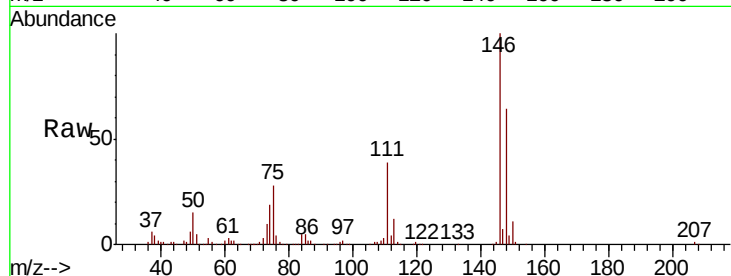
Tot Ion:146 Resp: 213013

Ion Ratio Lower Upper

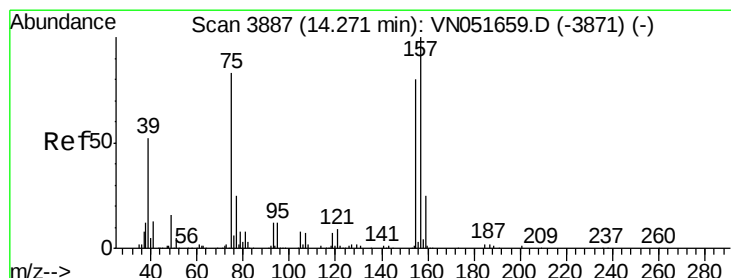
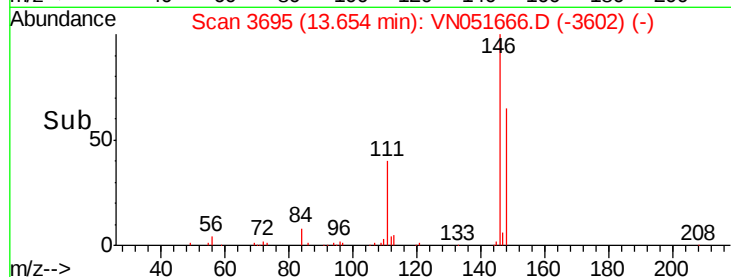
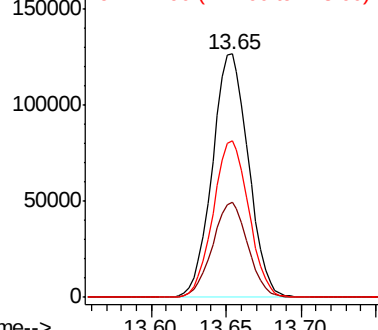
146 100

111 38.2 19.7 59.0

148 63.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.756 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

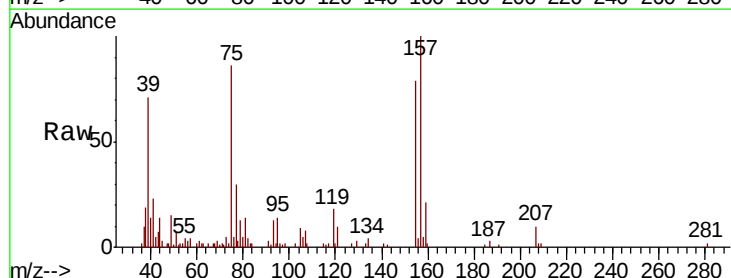
Tgt Ion: 75 Resp: 19024

Ion Ratio Lower Upper

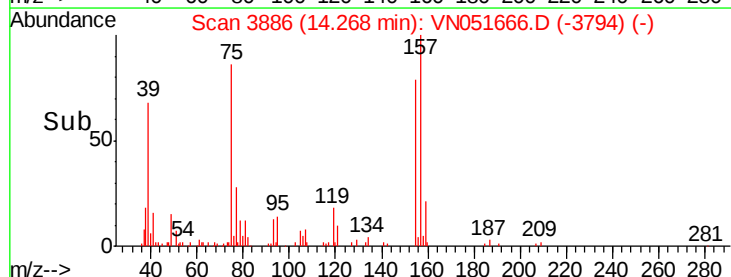
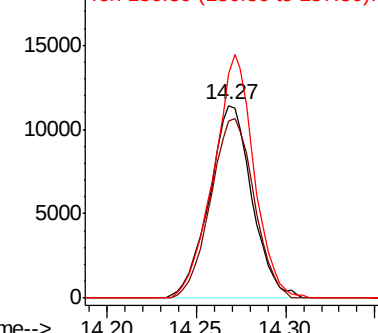
75 100

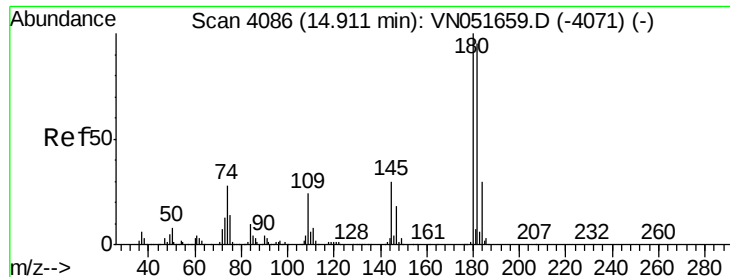
155 95.0 47.6 142.9

157 119.9 61.7 185.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

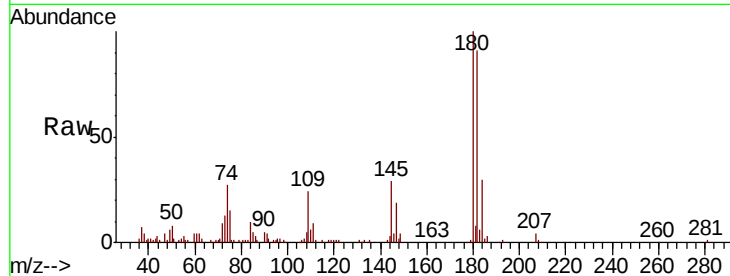




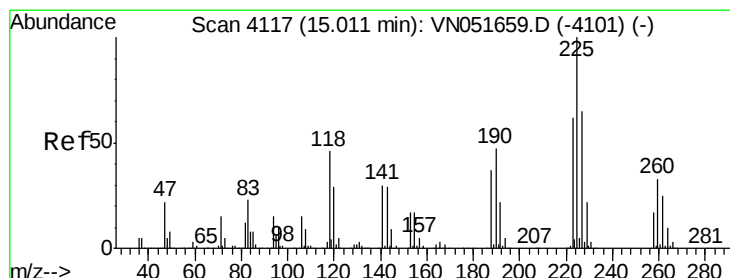
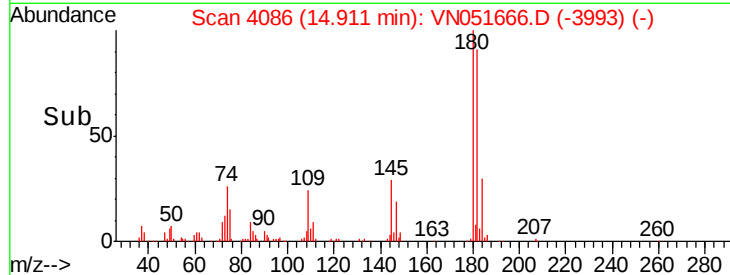
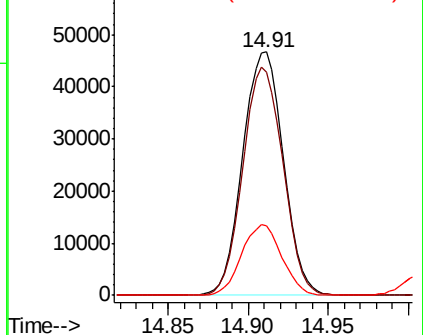
#93
 1,2,4-Trichlorobenzene
 Concen: 16.478 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 81032
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.7 143.1
 145 28.6 15.3 45.9

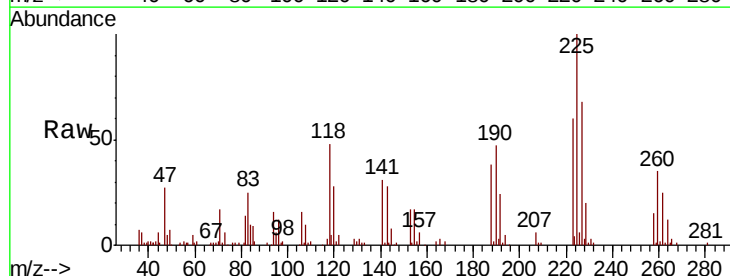


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

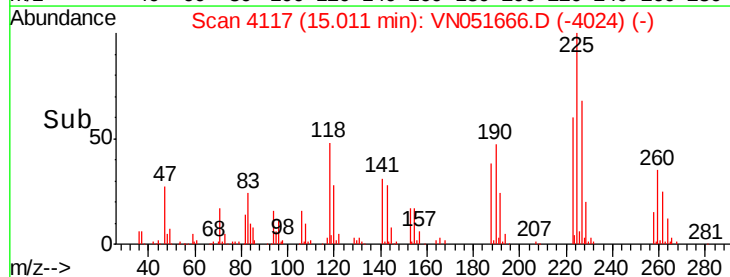
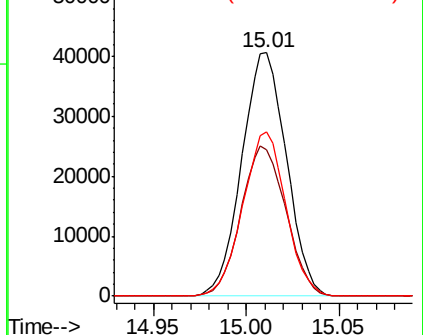


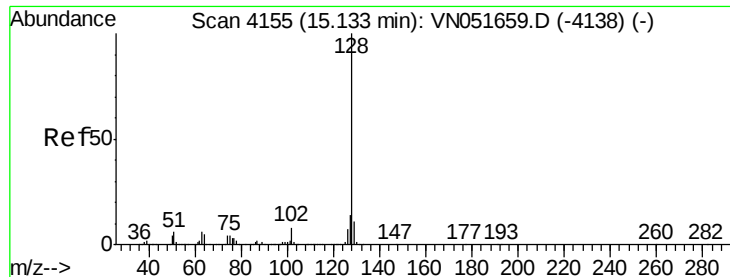
#94
 Hexachlorobutadiene
 Concen: 20.334 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion:225 Resp: 67845
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.5
 227 64.9 31.7 95.1



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: 15.645 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

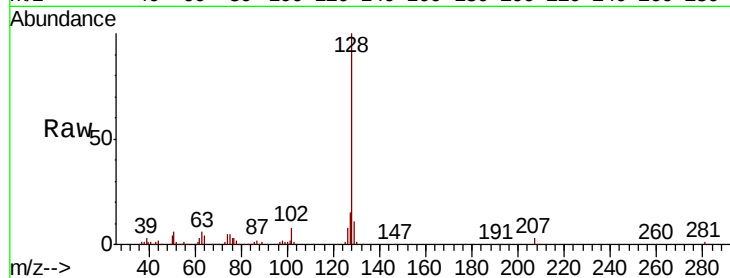
Tot Ion:128 Resp: 166138

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

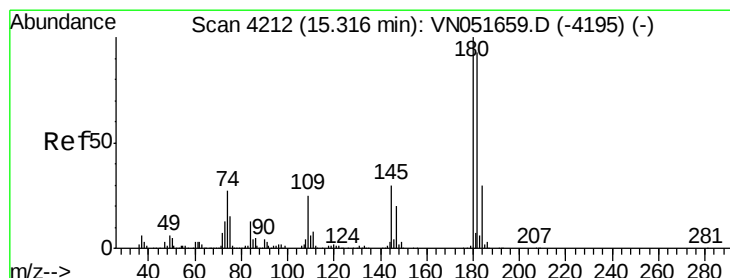
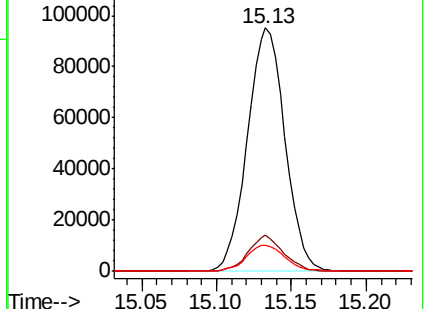
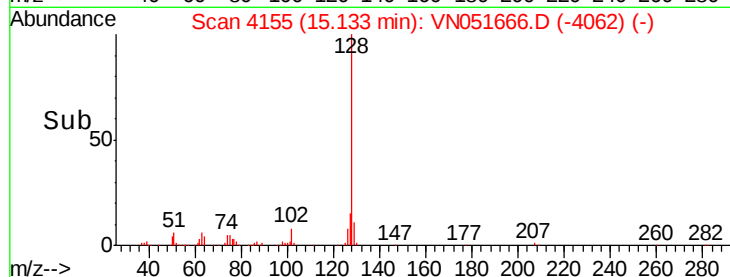
129 11.1 9.0 13.6



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: 17.057 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

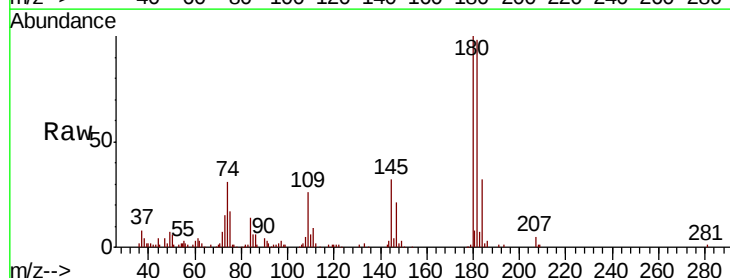
Tgt Ion:180 Resp: 82612

Ion Ratio Lower Upper

180 100

182 97.1 47.3 141.8

145 32.6 15.6 46.8



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

