

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051885.D
 Acq On : 16 Oct 2018 10:46
 Operator : MD\SY
 Sample : VN1016WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Quant Time: Oct 17 02:22:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	859359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1277255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1147243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494720	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	399289	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	401205	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.09	98	1438916	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	460820	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	99293	20.814	ug/l	99
3) Chloromethane	2.06	50	104094	18.015	ug/l	100
4) Vinyl Chloride	2.19	62	152997	17.655	ug/l	97
5) Bromomethane	2.57	94	127186	16.267	ug/l	99
6) Chloroethane	2.70	64	115440	18.142	ug/l	97
7) Trichlorofluoromethane	3.01	101	245109	19.046	ug/l	99
8) Diethyl Ether	3.41	74	71781	20.226	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141345	20.598	ug/l	99
10) Methyl Iodide	3.95	142	142102	15.715	ug/l #	91
11) Tert butyl alcohol	4.79	59	40529	67.092	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	126649	20.534	ug/l	90
13) Acrolein	3.61	56	37584	72.761	ug/l	98
14) Allyl chloride	4.33	41	142971	18.462	ug/l #	77
15) Acrylonitrile	4.99	53	172302	87.626	ug/l	99
16) Acetone	3.82	43	129084	72.870	ug/l	94
17) Carbon Disulfide	4.05	76	295039	17.670	ug/l	100
18) Methyl Acetate	4.33	43	87442	18.118	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	358376	18.456	ug/l	95
20) Methylene Chloride	4.55	84	143395	19.560	ug/l #	87
21) trans-1,2-Dichloroethene	5.05	96	141982	19.604	ug/l	87
22) Diisopropyl ether	5.95	45	320863	18.749	ug/l #	85
23) Vinyl Acetate	5.90	43	1088027	86.903	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	229876	19.552	ug/l	97
25) 2-Butanone	6.84	43	188504	75.304	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	219214	18.415	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	165516	19.826	ug/l	89
28) Bromochloromethane	7.20	49	94378	19.132	ug/l #	66
29) Tetrahydrofuran	7.21	42	120469	80.757	ug/l #	80
30) Chloroform	7.37	83	276092	19.640	ug/l	99
31) Cyclohexane	7.65	56	197515	18.605	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	251334	19.043	ug/l	97
36) 1,1-Dichloropropene	7.80	75	193302	18.694	ug/l	95
37) Ethyl Acetate	6.93	43	86550	16.302	ug/l #	76
38) Carbon Tetrachloride	7.78	117	223749	18.668	ug/l	99

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

39) Methylcyclohexane	9.08	83	240227	18.912	ug/l #	88
40) Benzene	8.04	78	579894	19.441	ug/l	100
41) Methacrylonitrile	7.17	41	35131	13.726	ug/l #	67
42) 1,2-Dichloroethane	8.13	62	187579	19.183	ug/l	99
43) Isopropyl Acetate	8.17	43	170213	15.678	ug/l #	96
44) Trichloroethene	8.84	130	182272	20.072	ug/l	97
45) 1,2-Dichloropropane	9.12	63	136872	19.515	ug/l	100
46) Dibromomethane	9.21	93	100354	18.645	ug/l	99
47) Bromodichloromethane	9.40	83	203500	18.924	ug/l	99
48) Methyl methacrylate	9.20	41	75943	16.058	ug/l #	74
49) 1,4-Dioxane	9.20	88	27437	330.026	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	448759	81.430	ug/l	97
52) Toluene	10.16	92	387985	19.371	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	184995	17.170	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	215717	18.237	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140352	18.628	ug/l	95
56) Ethyl methacrylate	10.43	69	151205	17.040	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	216598	18.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	324778	84.058	ug/l #	88
59) 2-Hexanone	10.75	43	283445	73.229	ug/l	98
60) Dibromochloromethane	10.90	129	158365	17.705	ug/l	100
61) 1,2-Dibromoethane	11.01	107	141314	18.210	ug/l	98
64) Tetrachloroethene	10.63	164	180800	20.548	ug/l	97
65) Chlorobenzene	11.43	112	442697	19.080	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	169342	19.150	ug/l	97
67) Ethyl Benzene	11.51	91	737429	19.199	ug/l	98
68) m/p-Xylenes	11.62	106	591923	38.152	ug/l	96
69) o-Xylene	11.95	106	291375	19.337	ug/l	94
70) Styrene	11.96	104	432836	18.620	ug/l	99
71) Bromoform	12.13	173	93332	16.021	ug/l #	99
73) Isopropylbenzene	12.25	105	775286	20.338	ug/l	99
74) N-amyl acetate	12.07	43	127330	16.843	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	154313	18.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	177369	28.871	ug/l #	100
77) Bromobenzene	12.53	156	193796	20.389	ug/l	85
78) n-propylbenzene	12.59	91	812413	20.351	ug/l	97
79) 2-Chlorotoluene	12.67	91	485749	20.200	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	637881	20.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31998	14.894	ug/l	91
82) 4-Chlorotoluene	12.77	91	473729	20.501	ug/l	99
83) tert-Butylbenzene	12.99	119	577479	20.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	633040	20.468	ug/l	99
85) sec-Butylbenzene	13.17	105	754626	20.219	ug/l	99
86) p-Isopropyltoluene	13.29	119	658518	20.063	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	320702	19.728	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	307336	19.506	ug/l	100
89) n-Butylbenzene	13.61	91	479599	19.654	ug/l	98
90) Hexachloroethane	13.88	117	104943	17.616	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	313078	19.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20697	16.790	ug/l	93

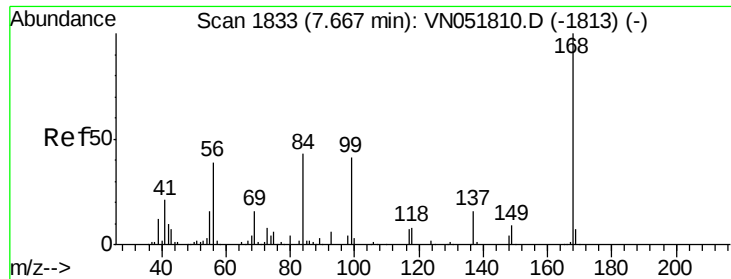
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115383	16.542	ug/l	97
94) Hexachlorobutadiene	15.01	225	98989	19.494	ug/l	99
95) Naphthalene	15.13	128	218117	15.311	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	123243	17.285	ug/l	98

(#) = 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: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

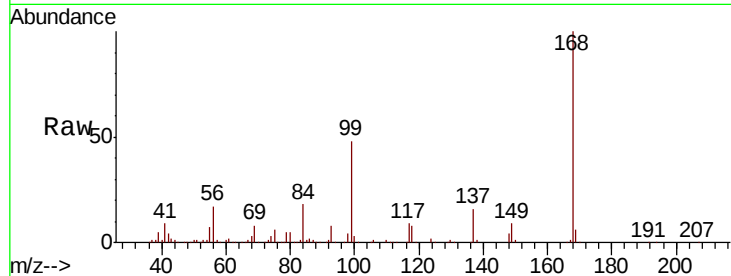
VN1016WBSD01

Tgt Ion:168 Resp: 859359

Ion Ratio Lower Upper

168 100

99 48.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

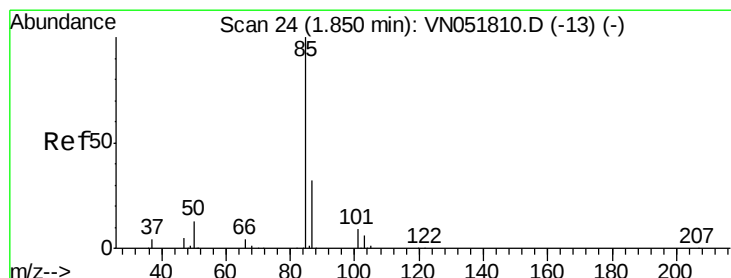
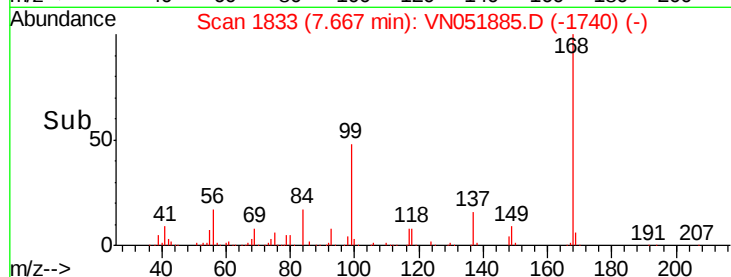
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.814 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051885.D

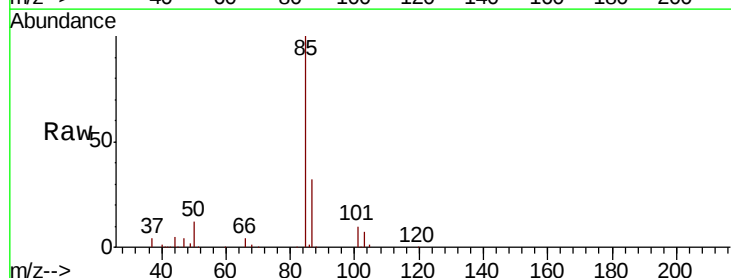
Acq: 16 Oct 2018 10:46

Tgt Ion: 85 Resp: 99293

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

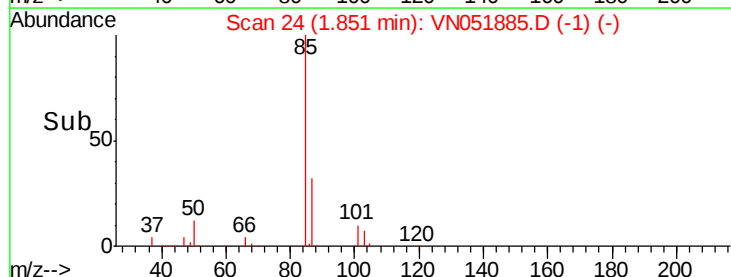
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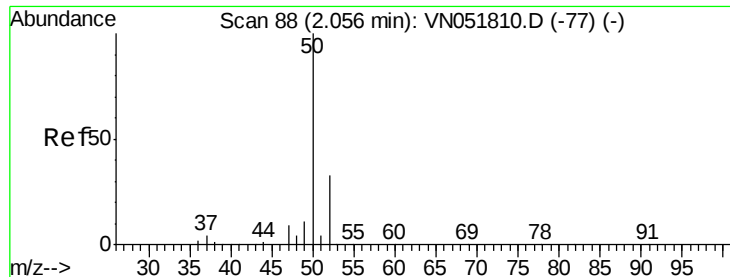
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.015 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

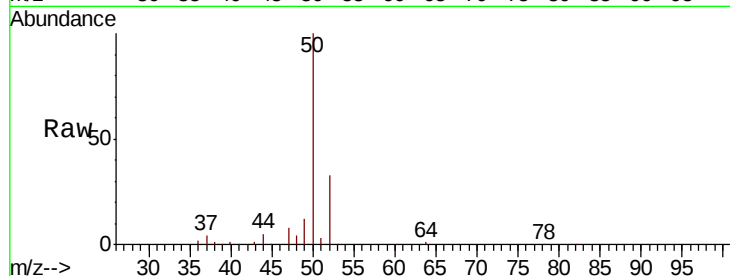
VN1016WBSD01

Tgt Ion: 50 Resp: 104094

Ion Ratio Lower Upper

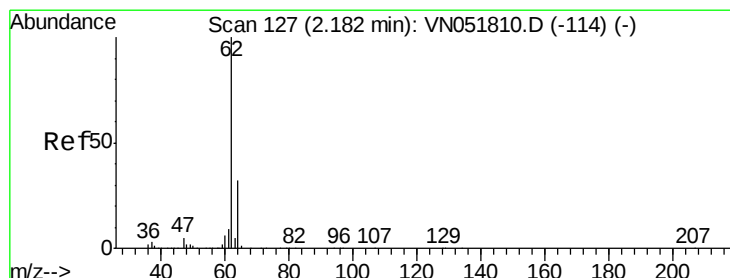
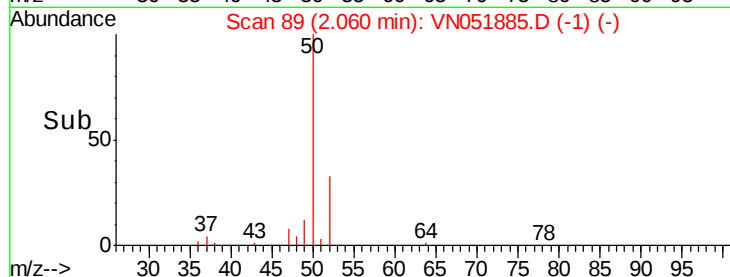
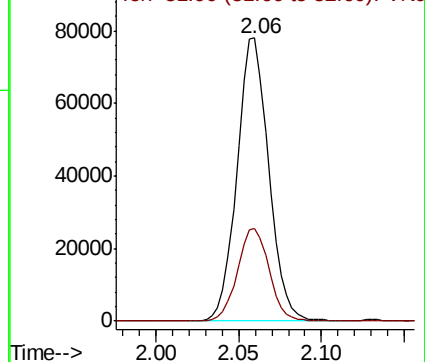
50 100

52 32.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN051810.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN051885.D (-34) (-)



#4

Vinyl Chloride

Concen: 17.655 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051885.D

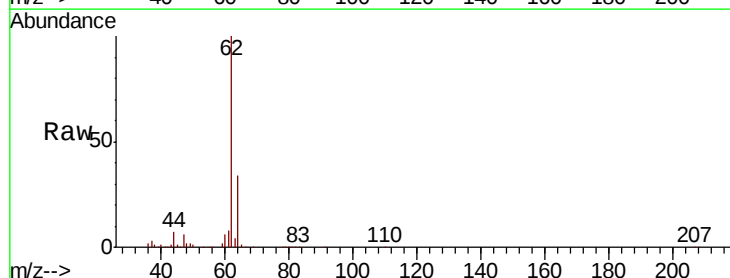
Acq: 16 Oct 2018 10:46

Tgt Ion: 62 Resp: 152997

Ion Ratio Lower Upper

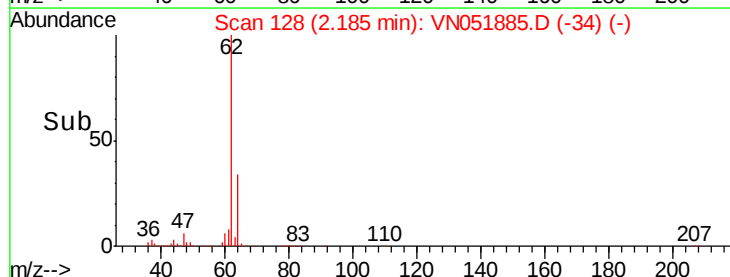
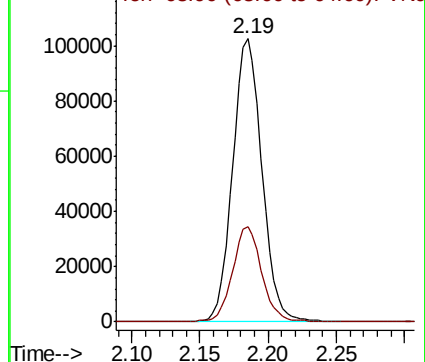
62 100

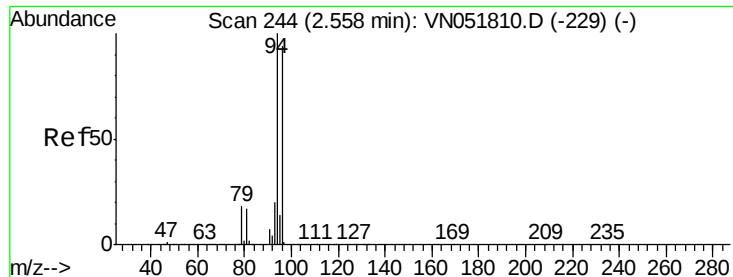
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN051810.D (-114) (-)

Ion 63.90 (63.60 to 64.60): VN051885.D (-34) (-)





#5

Bromomethane

Concen: 16.267 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

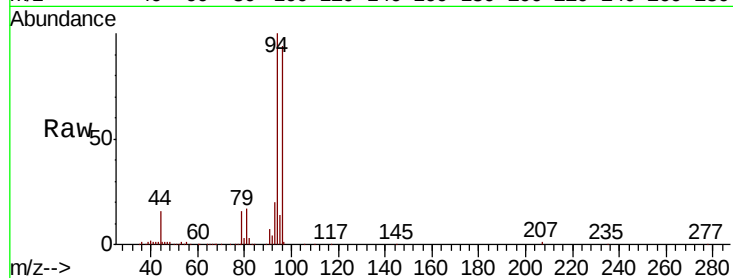
VN1016WBSD01

Tgt Ion: 94 Resp: 127186

Ion Ratio Lower Upper

94 100

96 94.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

2.57

80000

60000

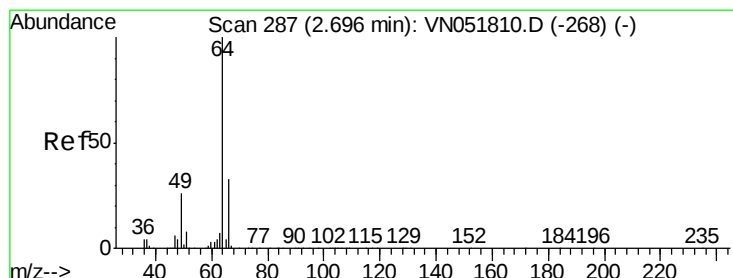
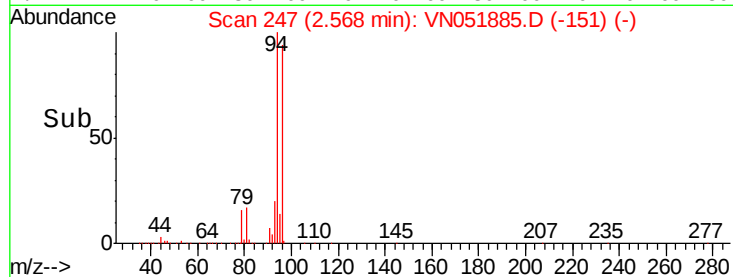
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.142 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN051885.D

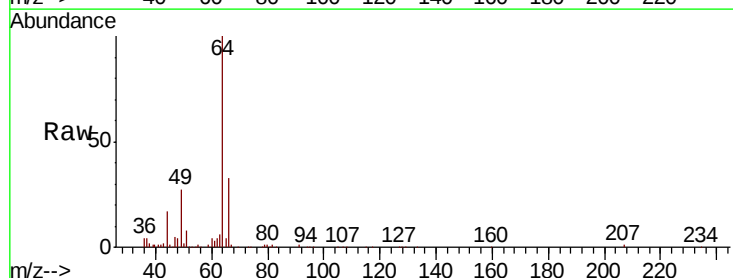
Acq: 16 Oct 2018 10:46

Tgt Ion: 64 Resp: 115440

Ion Ratio Lower Upper

64 100

66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN051810.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN051810.D (-268) (-)

2.70

60000

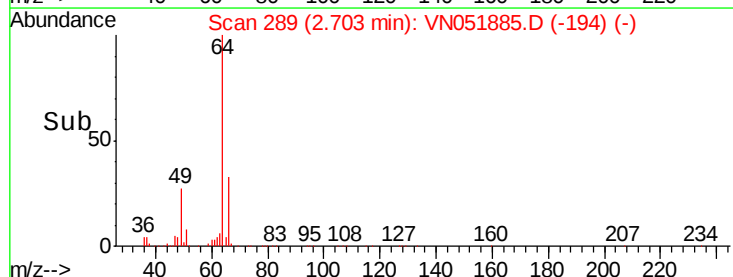
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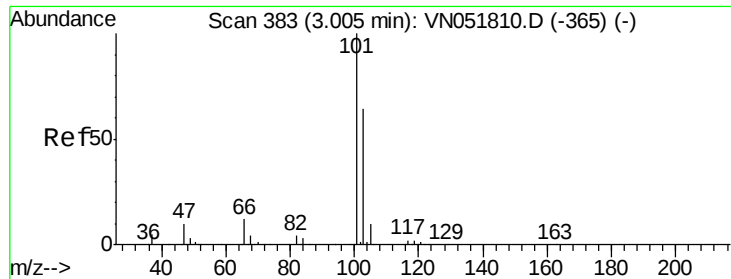
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Time-->

2.60 2.70 2.80



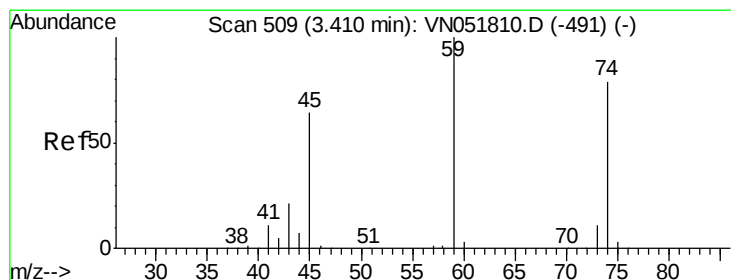
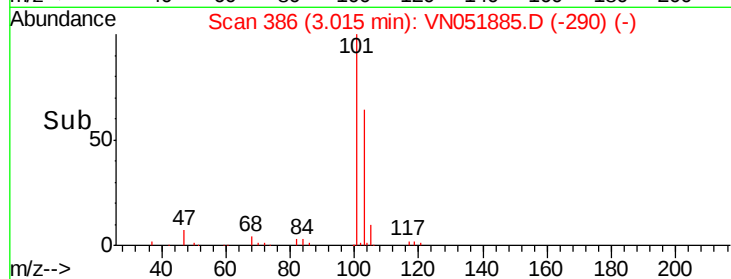
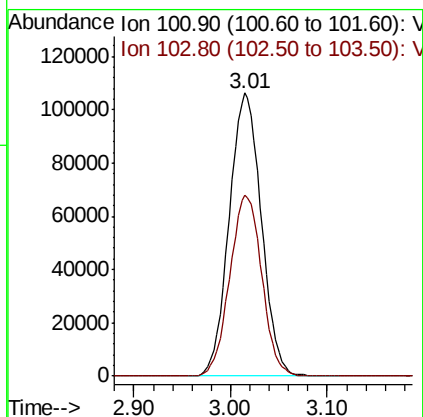
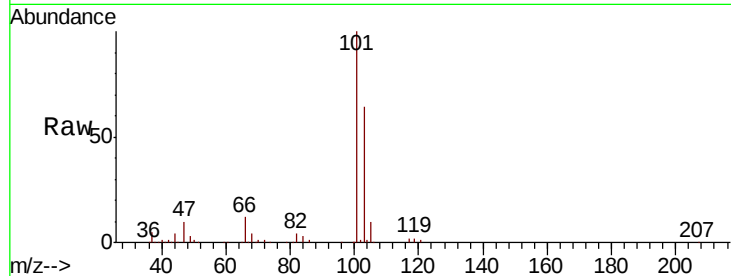


#7

Trichlorofluoromethane
 Concen: 19.046 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

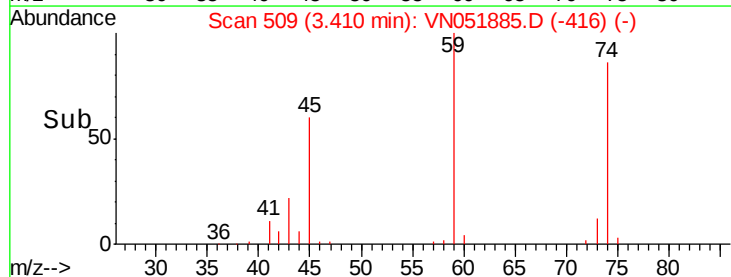
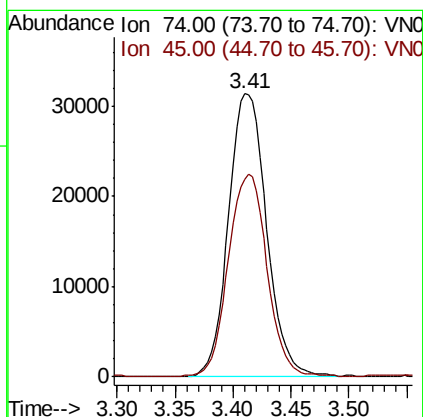
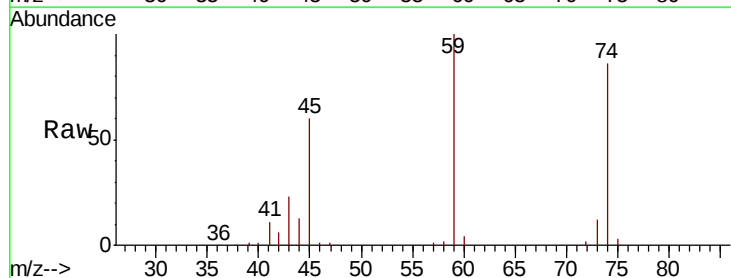
Tgt Ion:101 Resp: 245109
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.6 77.4

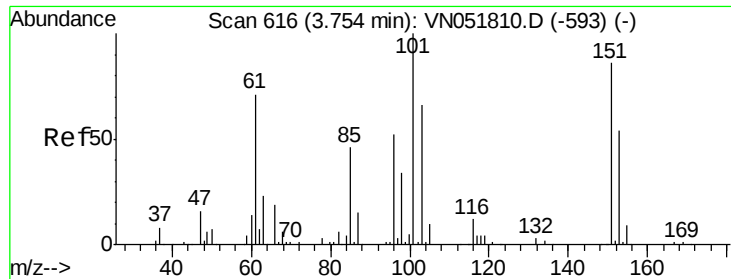


#8

Diethyl Ether
 Concen: 20.226 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 74 Resp: 71781
 Ion Ratio Lower Upper
 74 100
 45 73.1 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.598 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

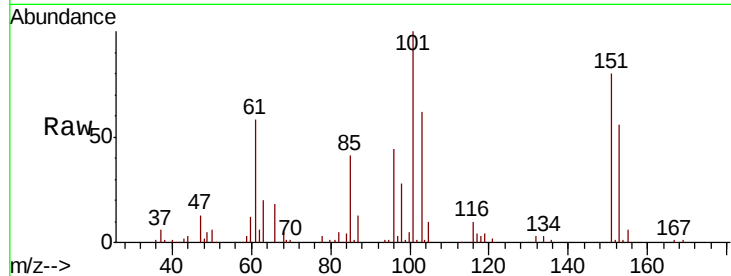
Tgt Ion:101 Resp: 141345

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

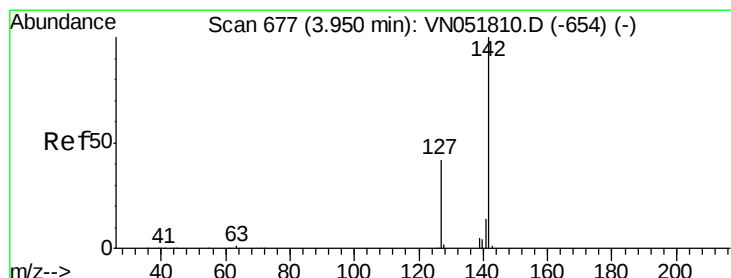
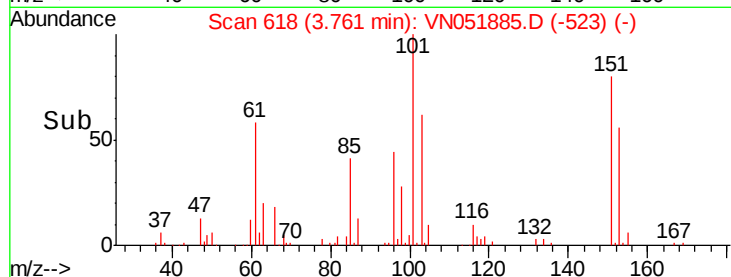
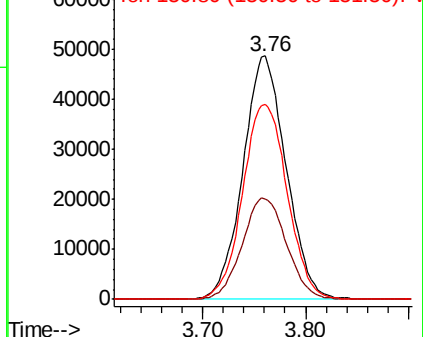
151 82.9 67.4 101.2



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: 15.715 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

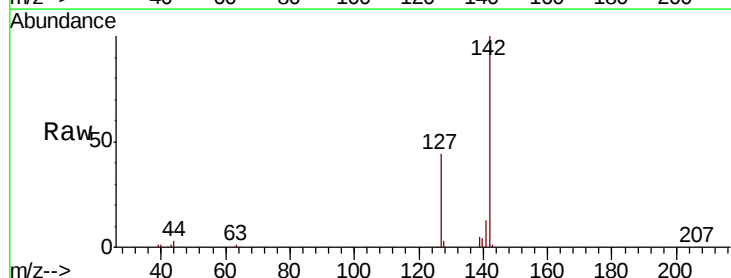
Tgt Ion:142 Resp: 142102

Ion Ratio Lower Upper

142 100

127 43.5 31.7 47.5

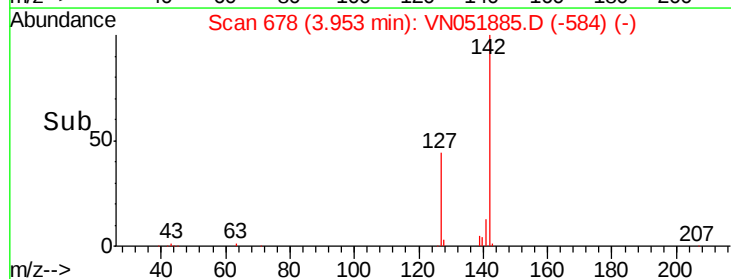
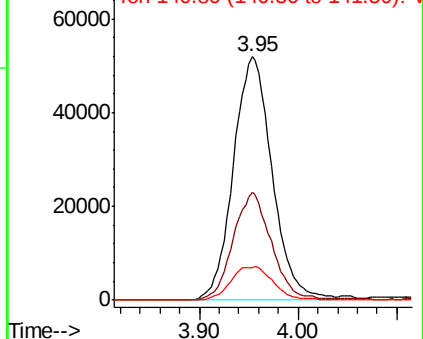
141 6.9 11.4 17.0#

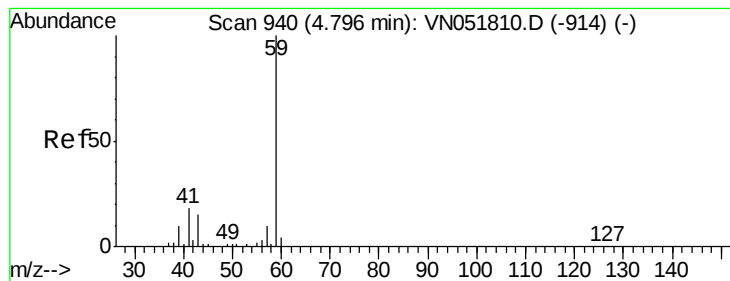


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



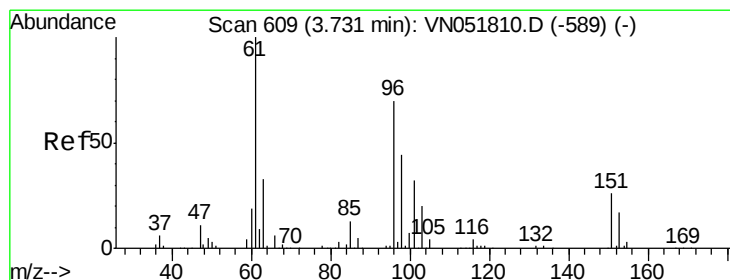
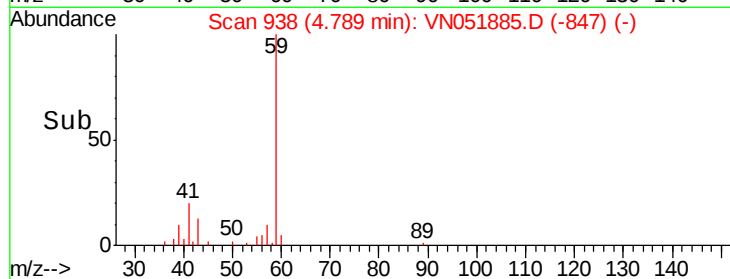
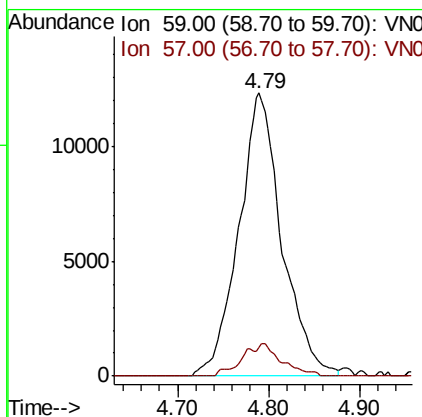
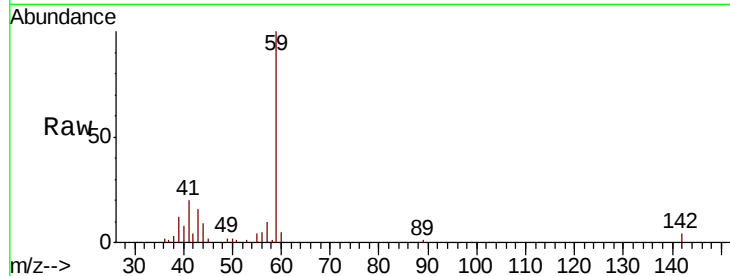


#11

Tert butyl alcohol
 Concen: 67.092 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

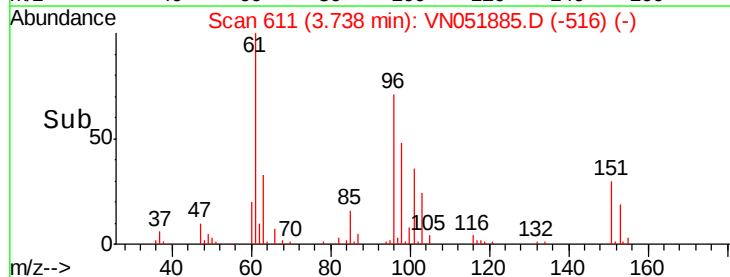
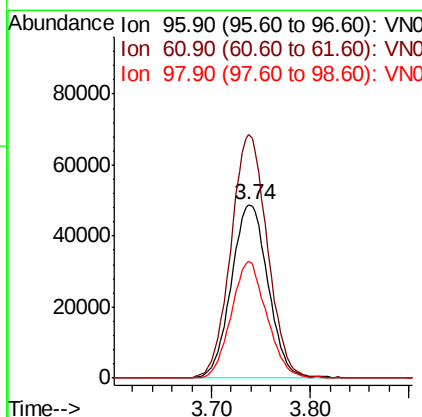
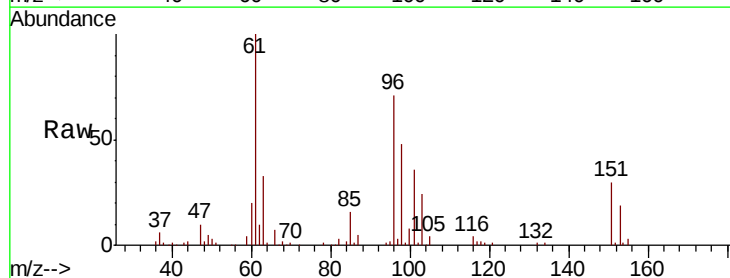
Tgt Ion: 59 Resp: 40529
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.3 12.5#

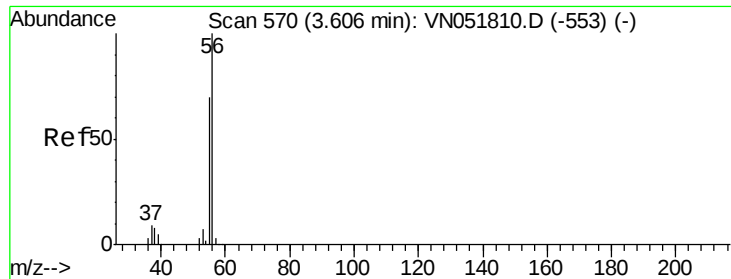


#12

1,1-Dichloroethene
 Concen: 20.534 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 96 Resp: 126649
 Ion Ratio Lower Upper
 96 100
 61 140.3 124.9 187.3
 98 67.3 51.1 76.7





#13

Acrolein

Concen: 72.761 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

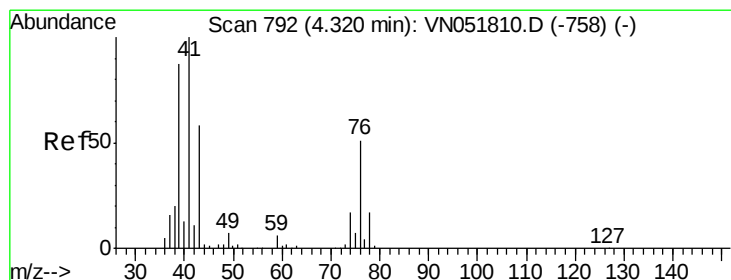
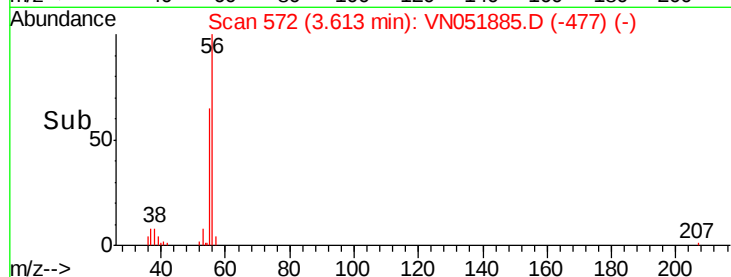
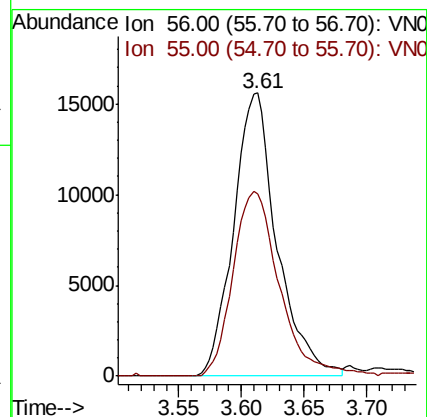
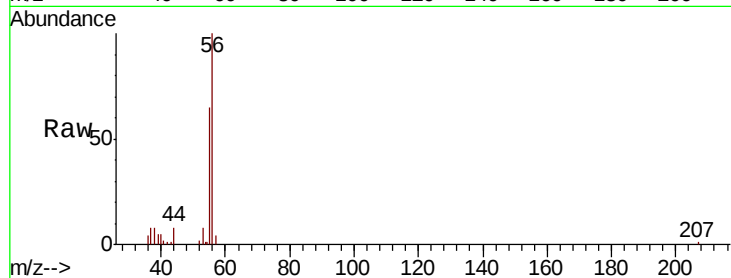
VN1016WBSD01

Tgt Ion: 56 Resp: 37584

Ion Ratio Lower Upper

56 100

55 70.1 57.7 86.5



#14

Allyl chloride

Concen: 18.462 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

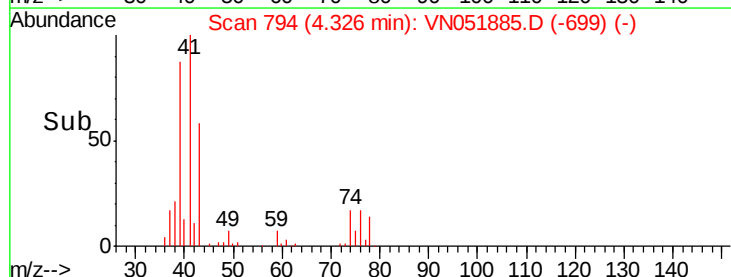
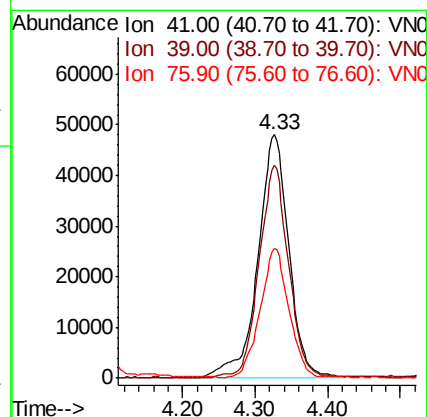
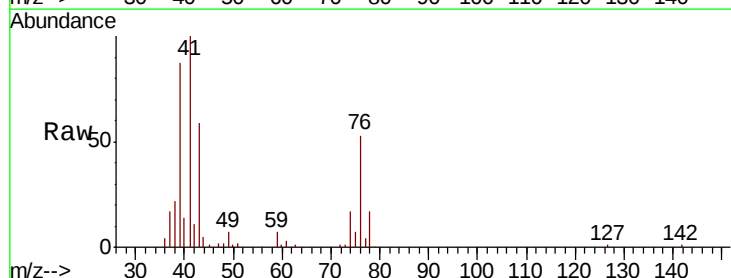
Tgt Ion: 41 Resp: 142971

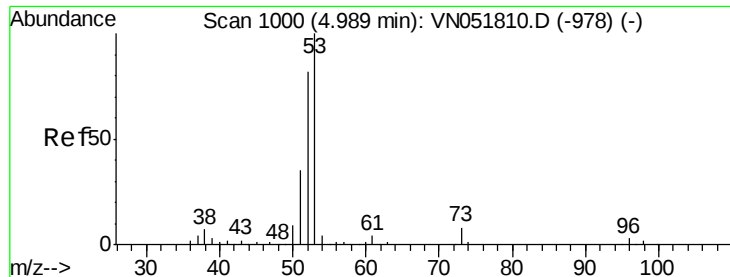
Ion Ratio Lower Upper

41 100

39 81.2 50.2 75.2#

76 49.7 29.8 44.8#





#15

Acrylonitrile

Concen: 87.626 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

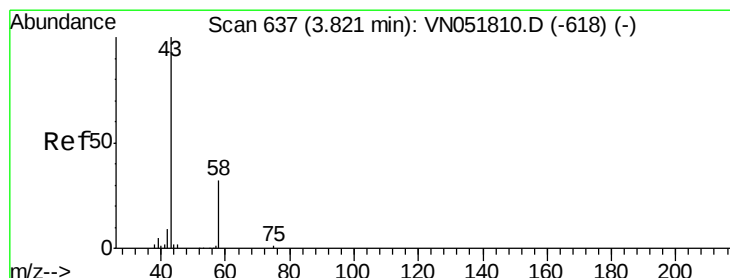
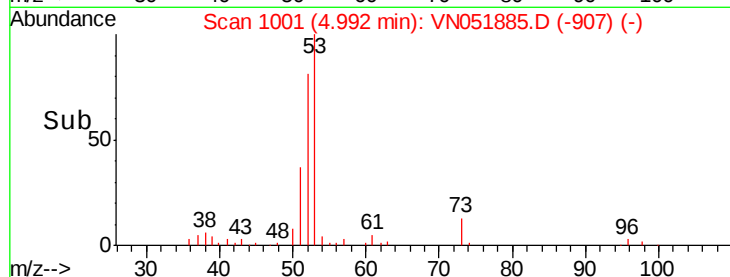
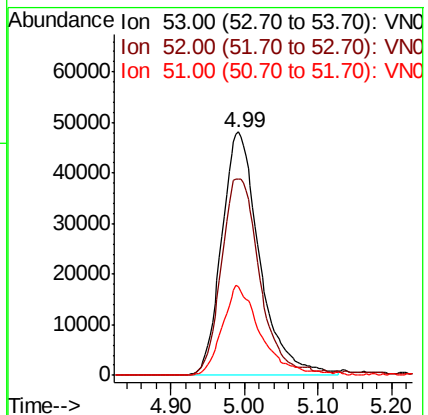
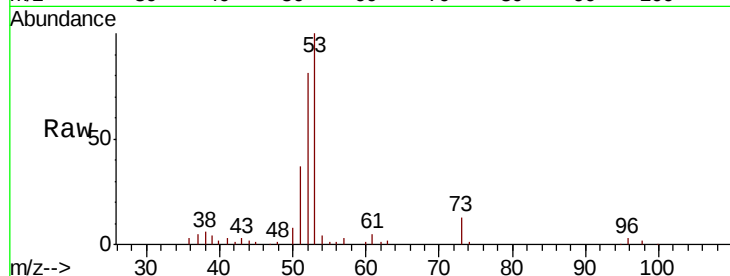
Tgt Ion: 53 Resp: 172302

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

51 37.3 28.6 43.0



#16

Acetone

Concen: 72.870 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051885.D

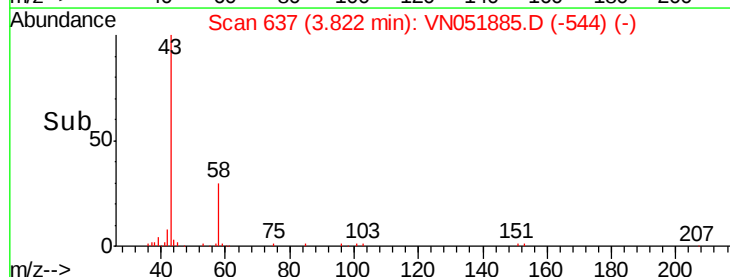
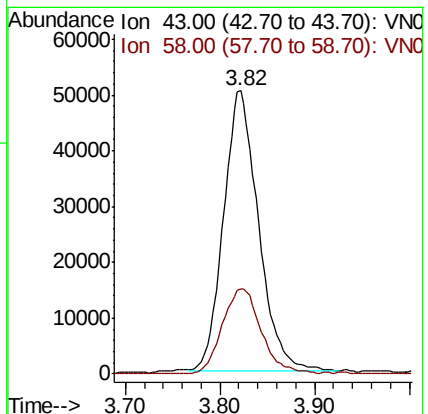
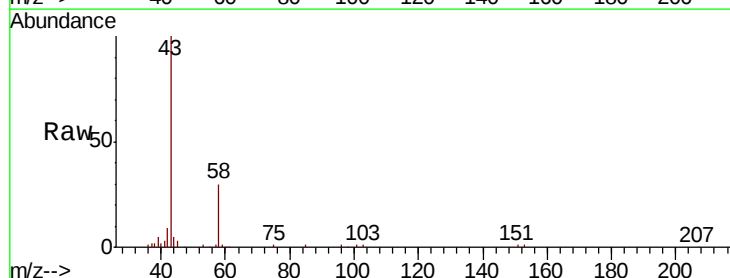
Acq: 16 Oct 2018 10:46

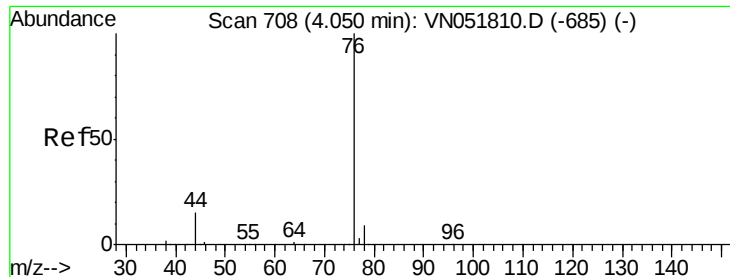
Tgt Ion: 43 Resp: 129084

Ion Ratio Lower Upper

43 100

58 30.5 27.2 40.8

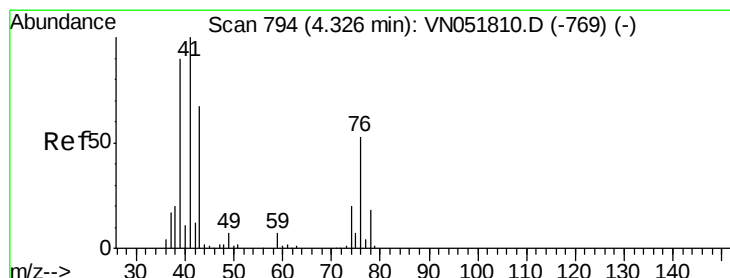
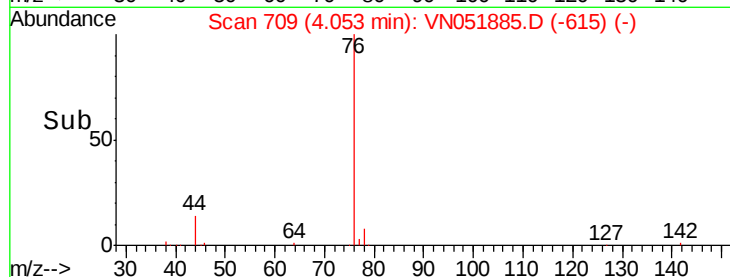
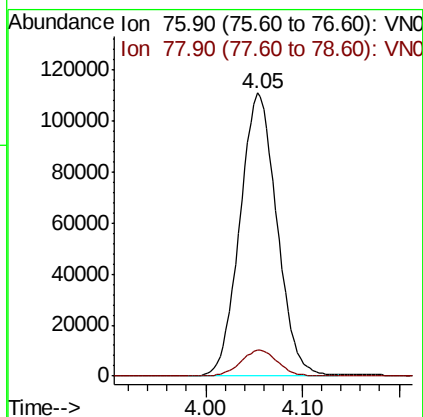
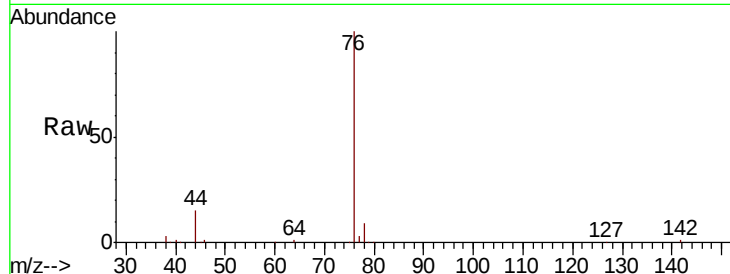




#17
Carbon Disulfide
Concen: 17.670 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

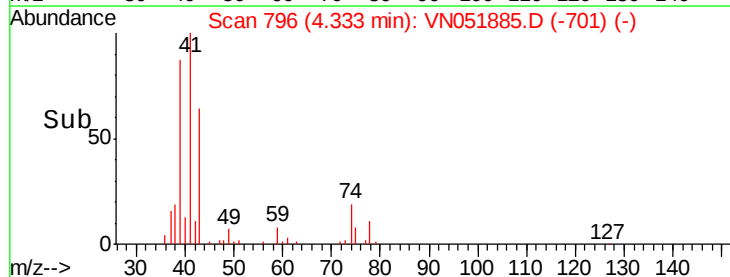
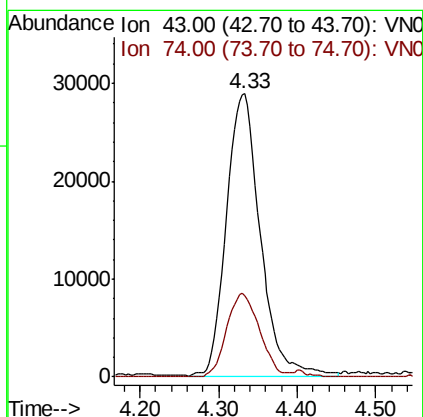
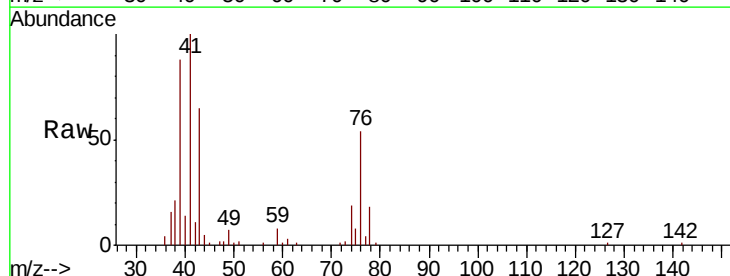
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

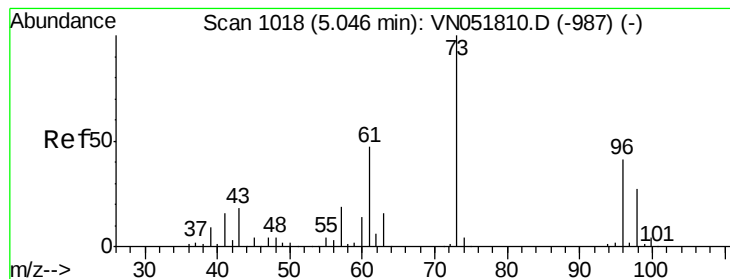
Tgt Ion: 76 Resp: 295039
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 18.118 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion: 43 Resp: 87442
Ion Ratio Lower Upper
43 100
74 28.4 19.8 29.8



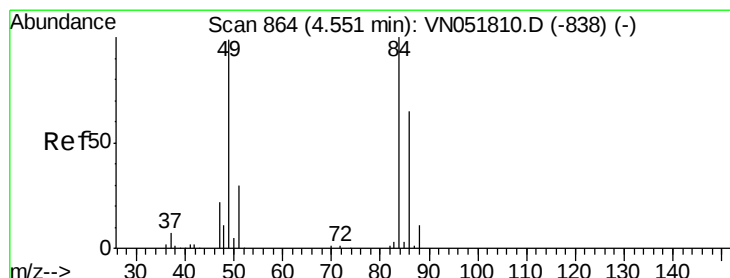
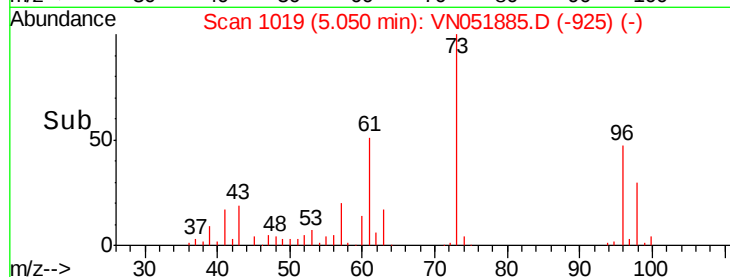
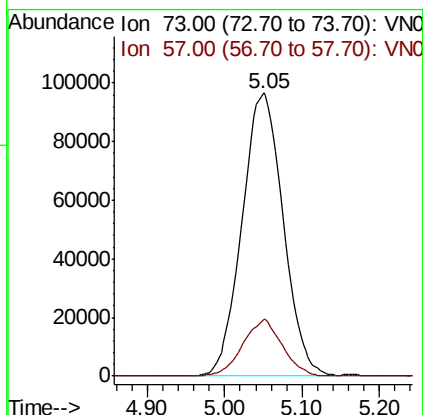
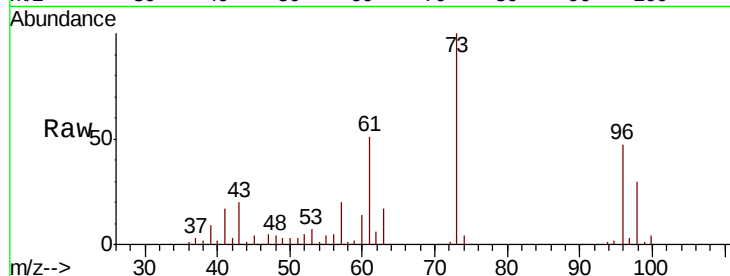


#19

Methyl tert-butyl Ether
 Concen: 18.456 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBSD01

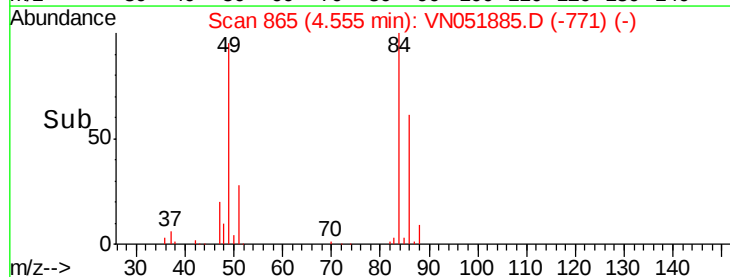
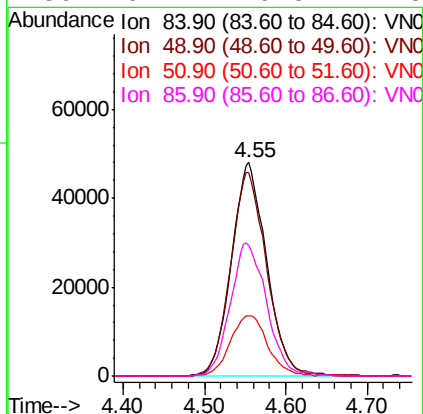
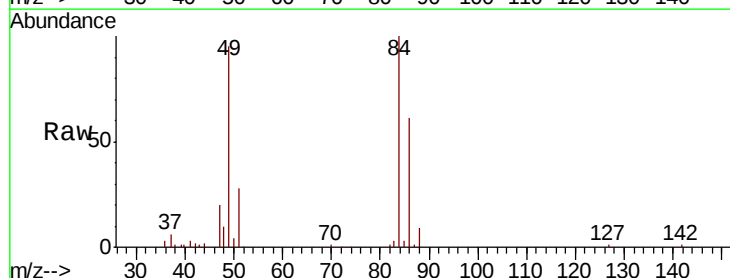
Tgt Ion: 73 Resp: 358376
 Ion Ratio Lower Upper
 73 100
 57 20.1 17.8 26.8

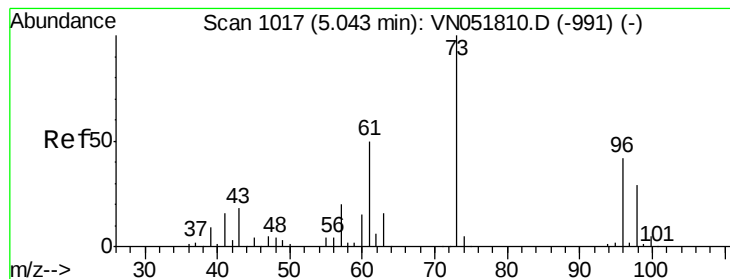


#20

Methylene Chloride
 Concen: 19.560 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 84 Resp: 143395
 Ion Ratio Lower Upper
 84 100
 49 95.3 93.2 139.8
 51 28.1 29.0 43.6#
 86 61.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.604 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

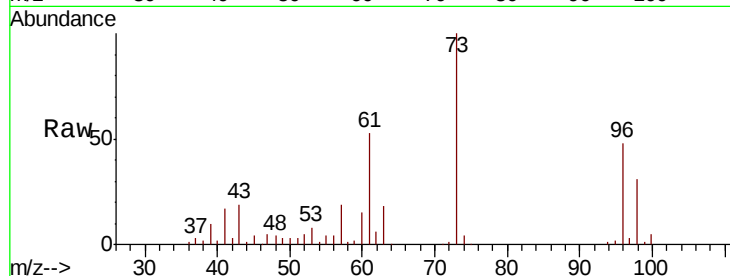
Tgt Ion: 96 Resp: 141982

Ion Ratio Lower Upper

96 100

61 110.8 107.4 161.0

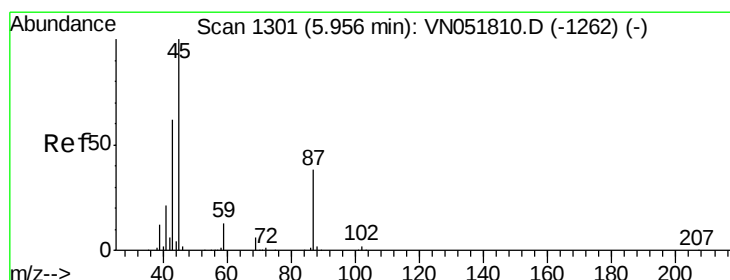
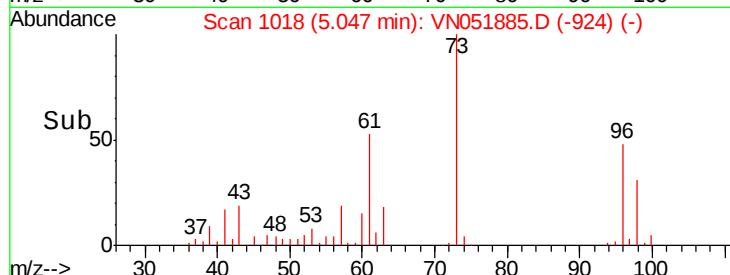
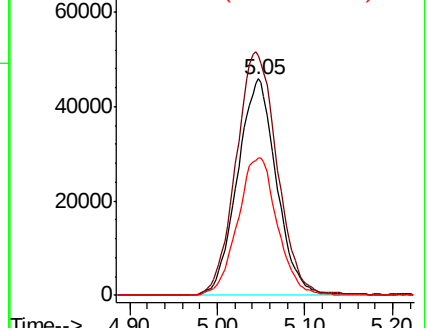
98 63.5 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN051810.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN051810.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-991) (-)



#22

Diisopropyl ether

Concen: 18.749 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Tgt Ion: 45 Resp: 320863

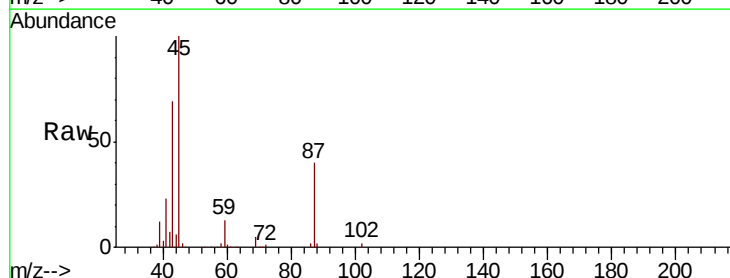
Ion Ratio Lower Upper

45 100

43 67.8 45.9 68.9

87 39.2 22.7 34.1#

59 13.0 9.3 13.9

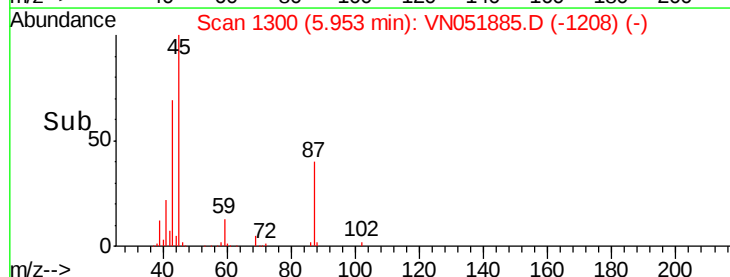
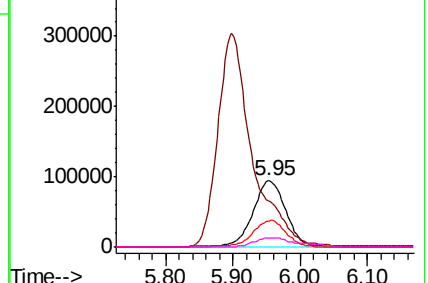


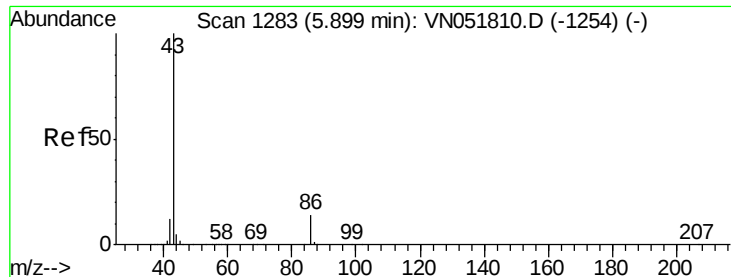
Abundance Ion 45.00 (44.70 to 45.70): VN051810.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN051810.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN051810.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN051810.D (-1262) (-)





#23

Vinyl Acetate

Concen: 86.903 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

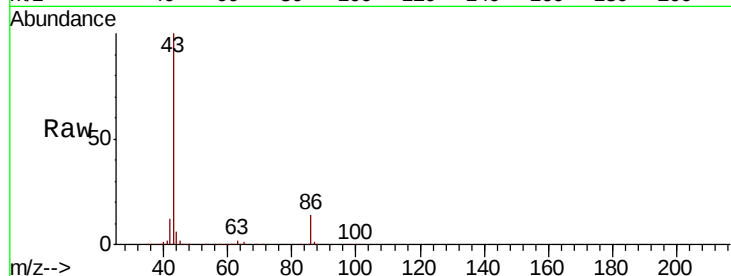
VN1016WBSD01

Tgt Ion: 43 Resp: 1088027

Ion Ratio Lower Upper

43 100

86 13.7 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN051810.D (-1254) (-)

5.90

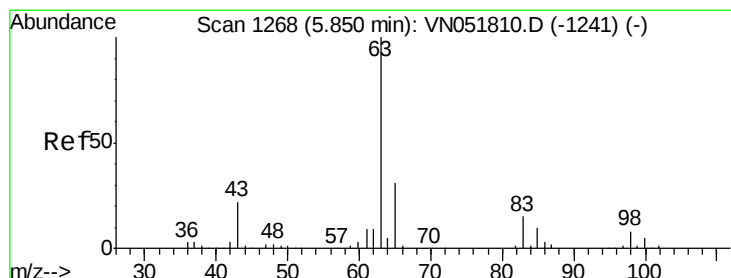
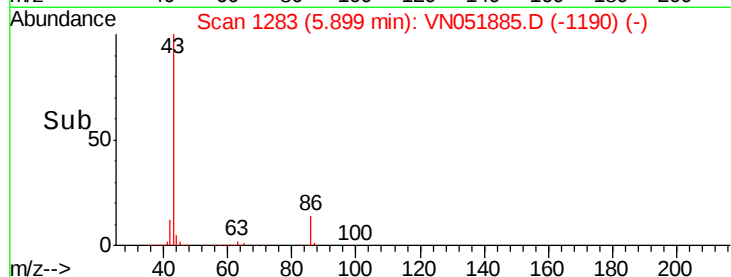
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.552 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

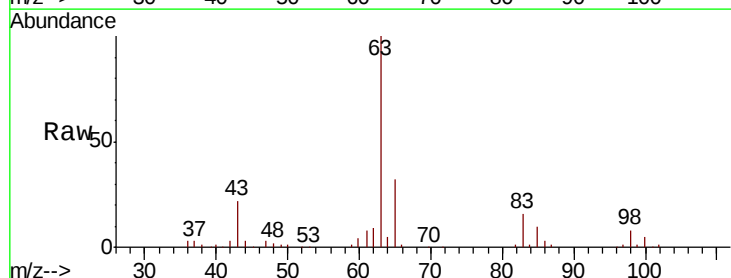
Tgt Ion: 63 Resp: 229876

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.8

100 4.9 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN051810.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051810.D (-1241) (-)

5.85

100000

80000

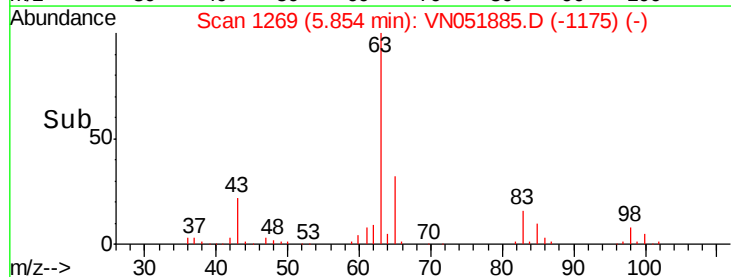
60000

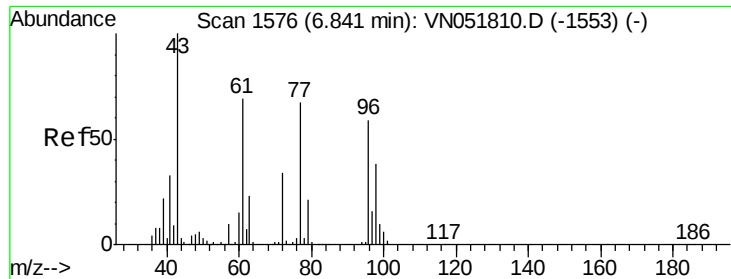
40000

20000

0

Time-->





#25

2-Butanone

Concen: 75.304 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

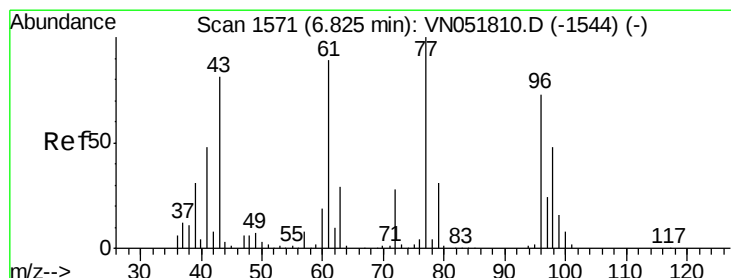
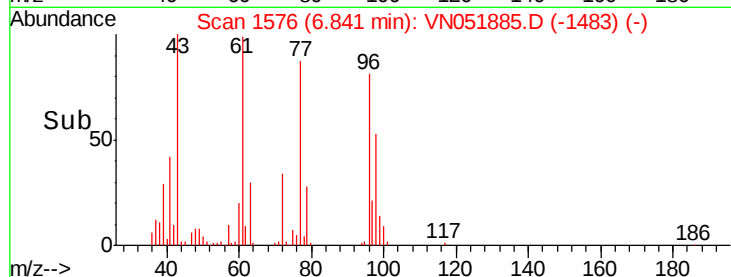
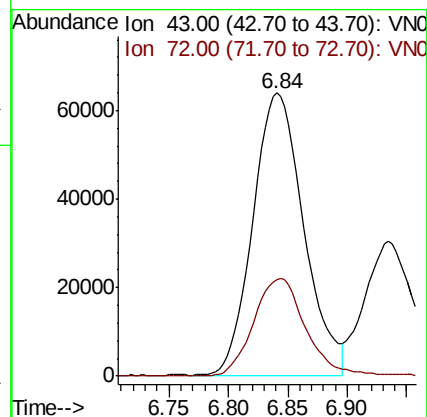
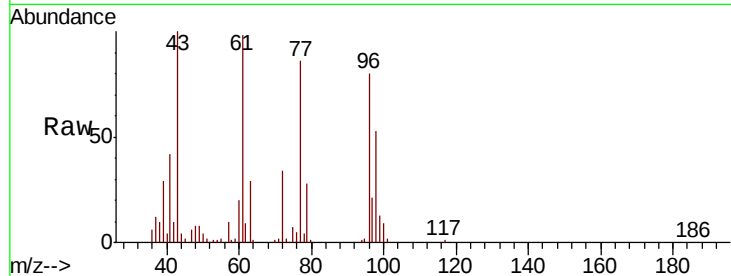
VN1016WBSD01

Tgt Ion: 43 Resp: 188504

Ion Ratio Lower Upper

43 100

72 34.2 22.3 33.5#



#26

2,2-Dichloropropane

Concen: 18.415 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051885.D

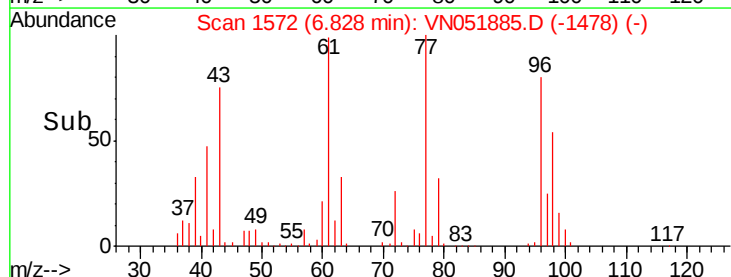
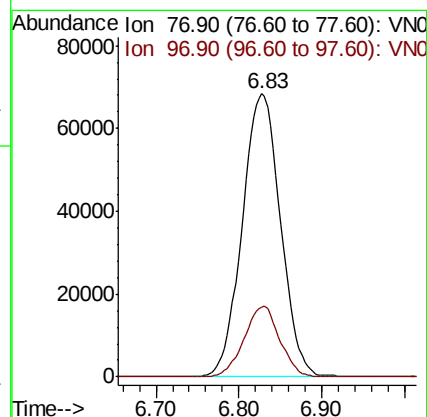
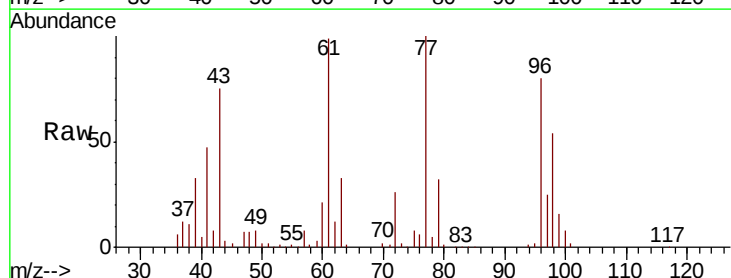
Acq: 16 Oct 2018 10:46

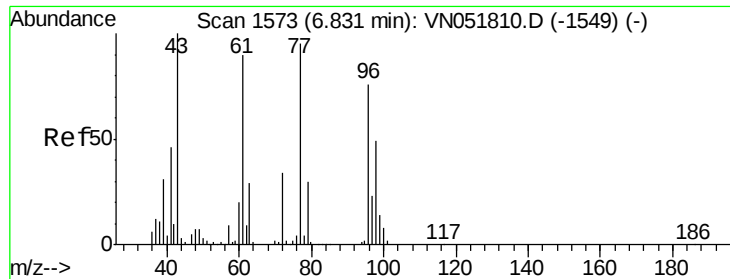
Tgt Ion: 77 Resp: 219214

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.0

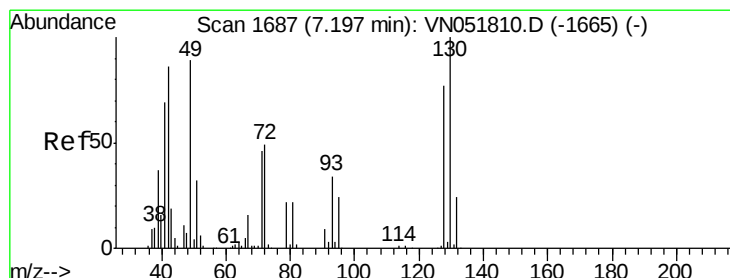
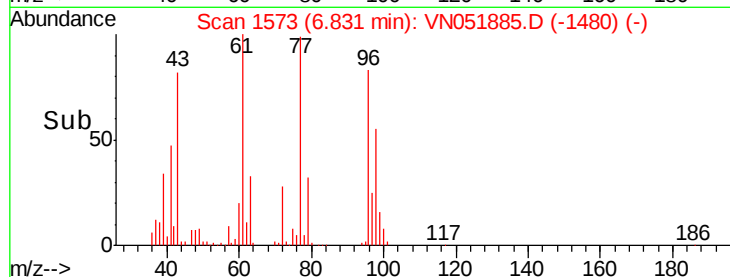
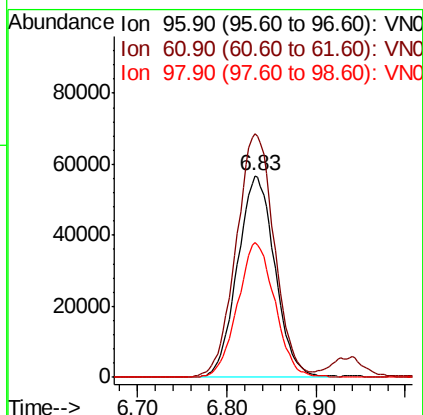
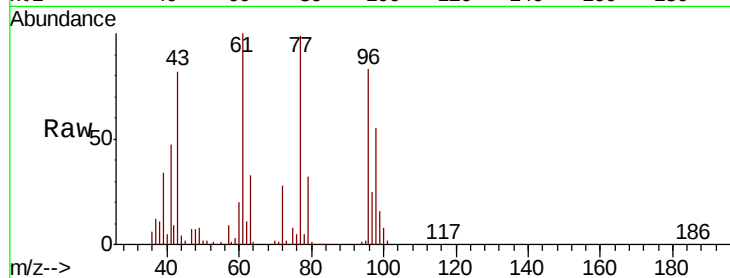




#27
 cis-1,2-Dichloroethene
 Concen: 19.826 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

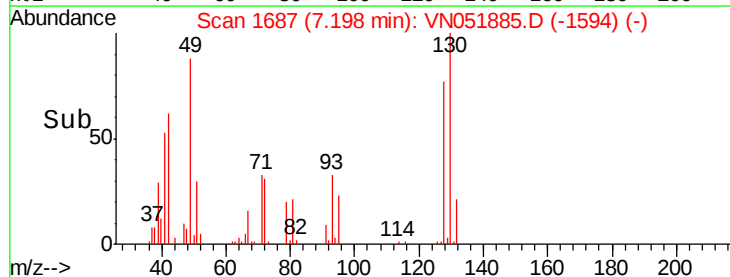
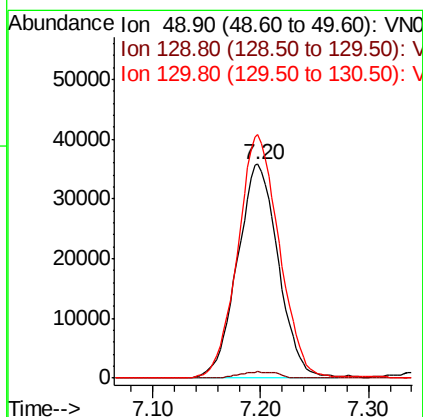
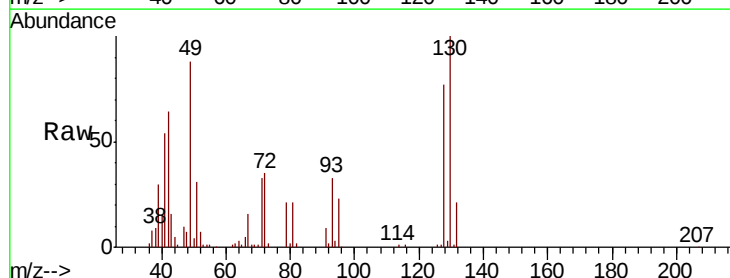
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

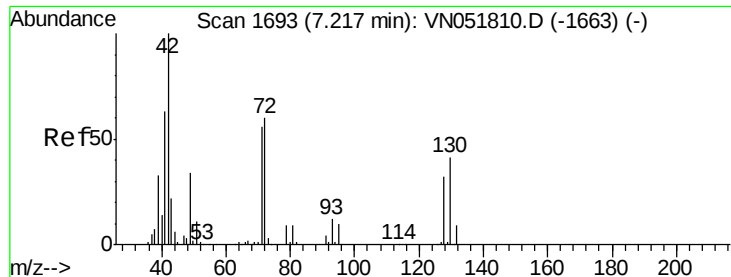
Tgt Ion: 96 Resp: 16516
 Ion Ratio Lower Upper
 96 100
 61 123.1 0.0 283.4
 98 66.5 0.0 129.8



#28
 Bromochloromethane
 Concen: 19.132 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 49 Resp: 94378
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.2
 130 115.0 67.1 100.7#

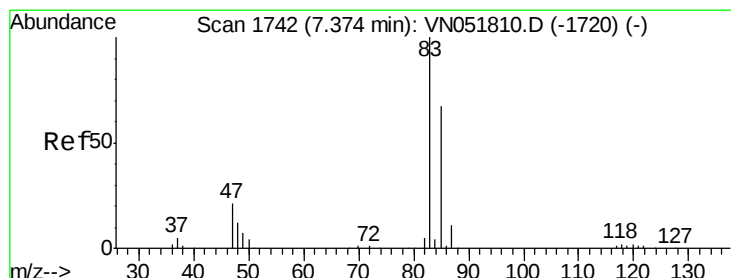
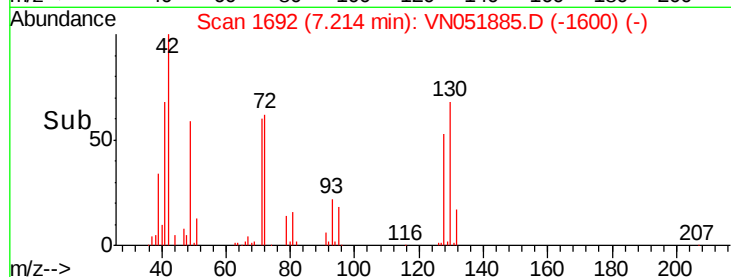
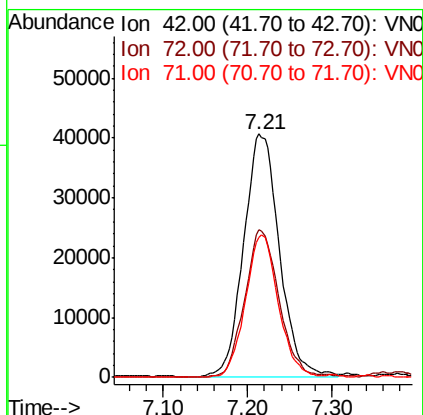
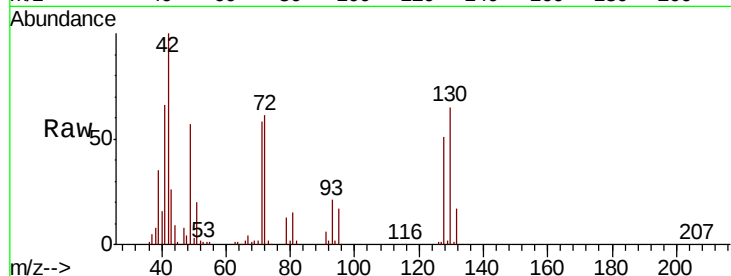




#29
Tetrahydrofuran
Concen: 80.757 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

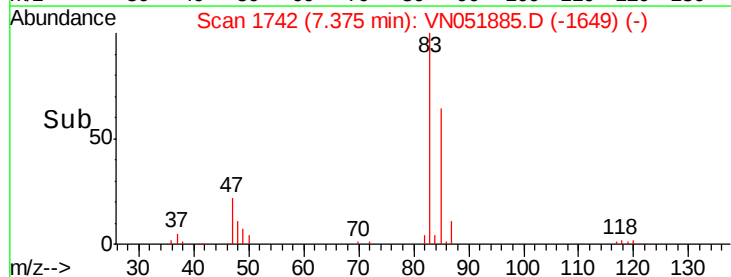
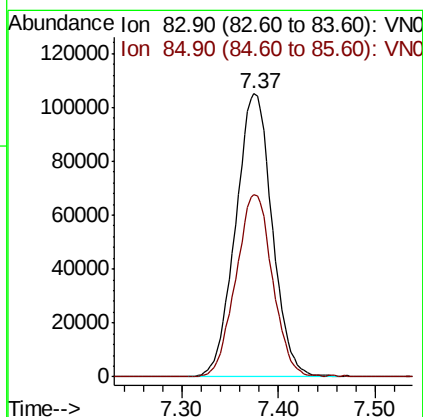
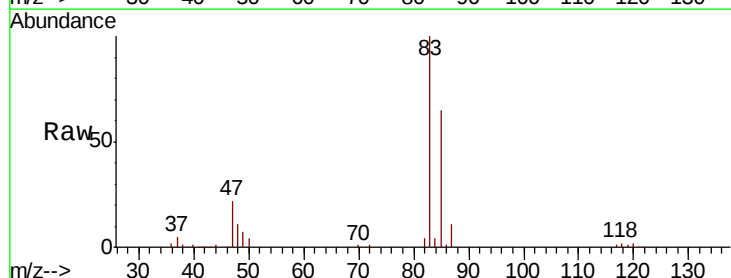
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

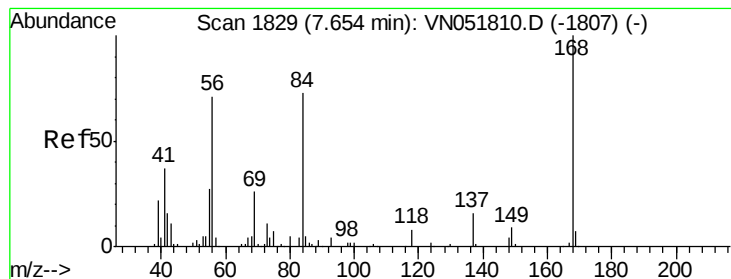
Tgt Ion: 42 Resp: 120469
Ion Ratio Lower Upper
42 100
72 58.4 35.5 53.3#
71 53.7 33.7 50.5#



#30
Chloroform
Concen: 19.640 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion: 83 Resp: 276092
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4





#31

Cyclohexane

Concen: 18.605 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

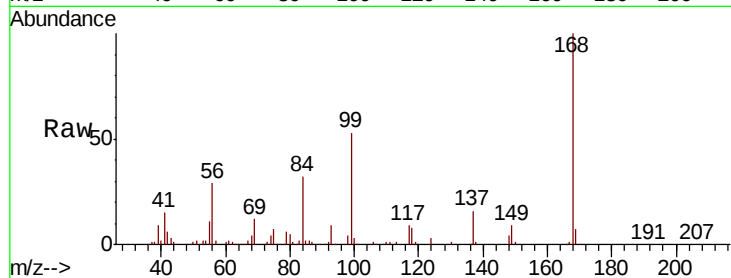
Tgt Ion: 56 Resp: 197515

Ion Ratio Lower Upper

56 100

69 41.1 26.2 39.4#

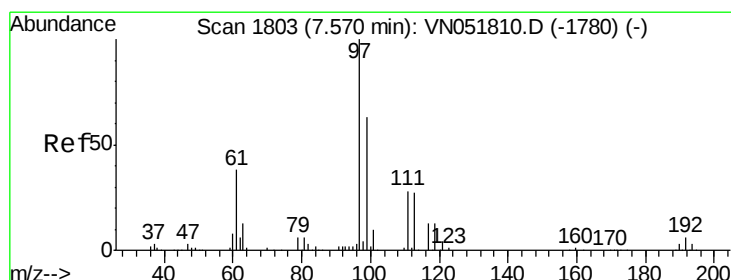
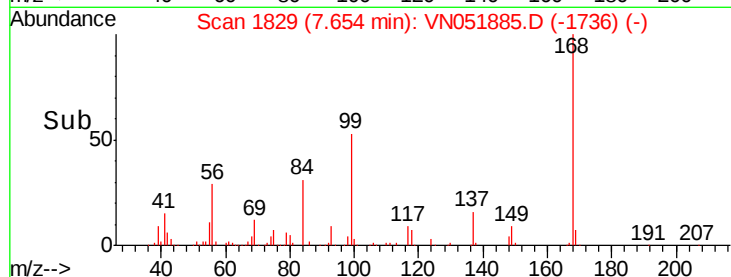
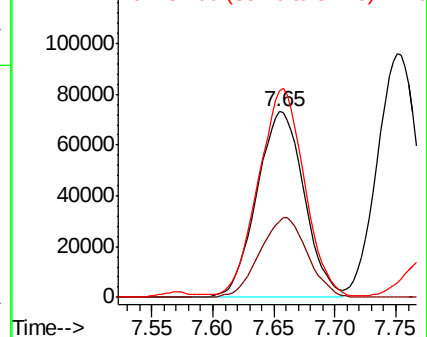
84 109.2 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.043 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

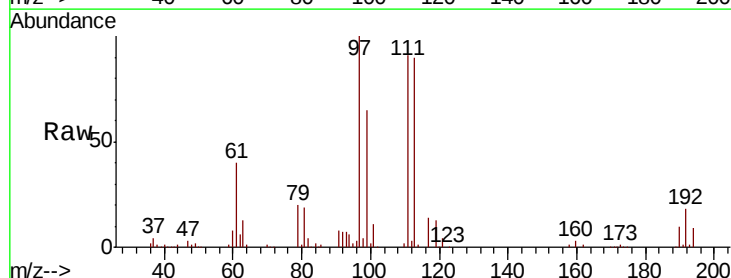
Tgt Ion: 97 Resp: 251334

Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.6

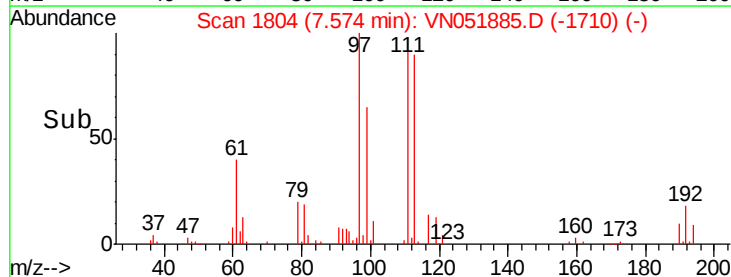
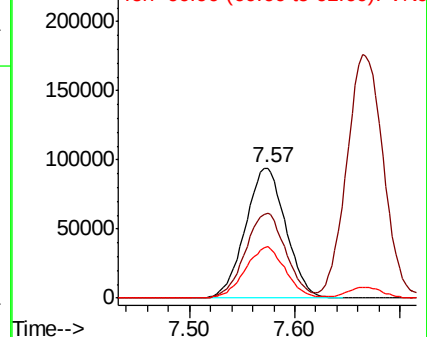
61 39.0 34.9 52.3

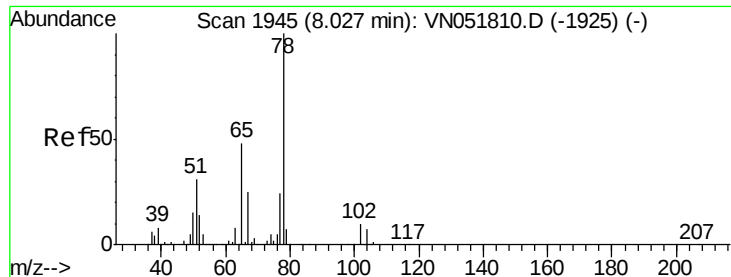


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.043 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

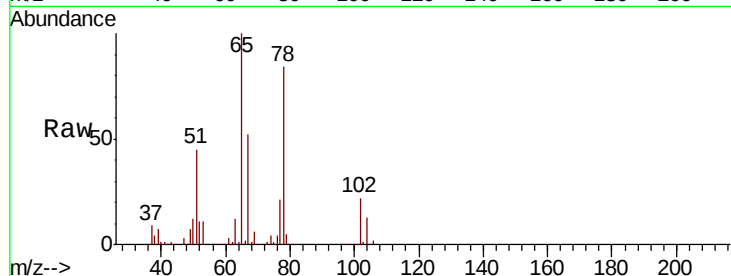
VN1016WBSD01

Tgt Ion: 65 Resp: 399289

Ion Ratio Lower Upper

65 100

67 51.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN051810.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051810.D (-1925) (-)

8.03

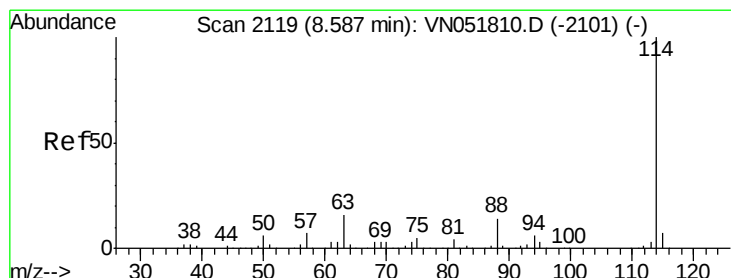
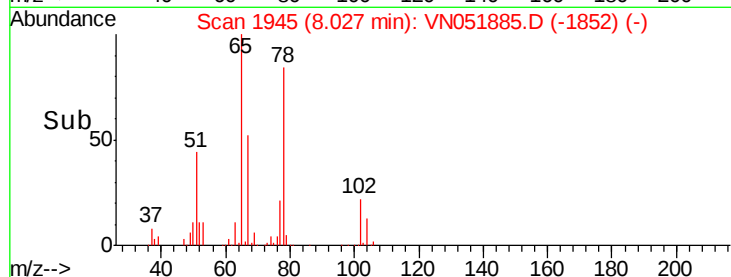
150000

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: VN051885.D

Acq: 16 Oct 2018 10:46

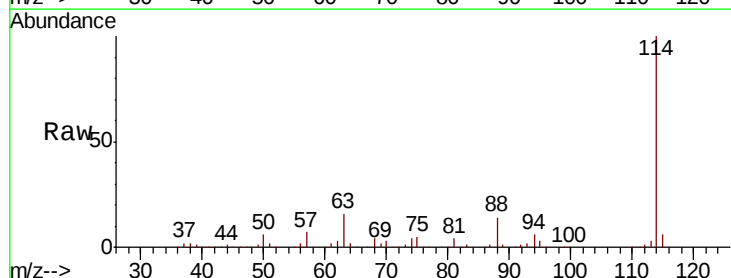
Tgt Ion: 114 Resp: 1277255

Ion Ratio Lower Upper

114 100

63 16.5 0.0 38.6

88 14.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN051810.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051810.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051810.D (-2101) (-)

8.59

800000

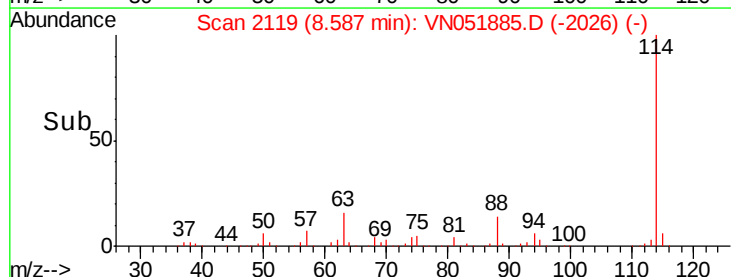
600000

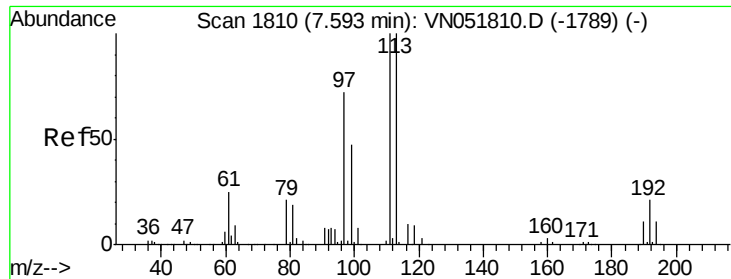
400000

200000

0

Time-->

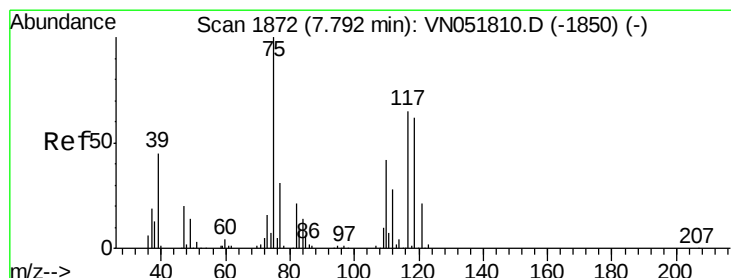
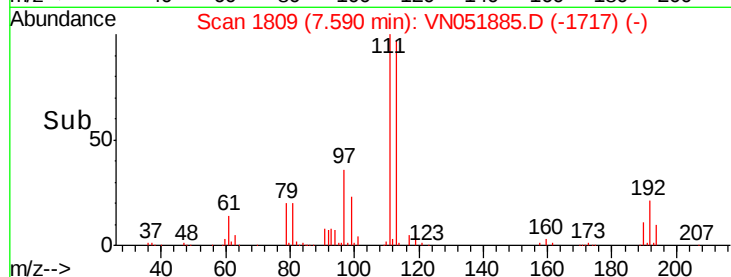
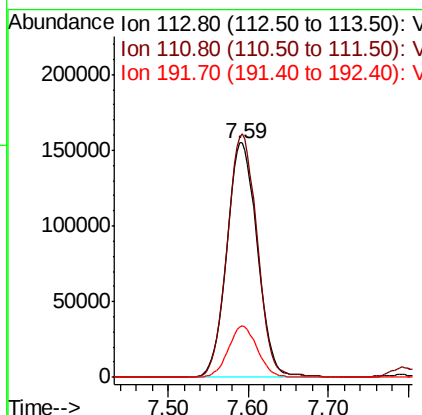
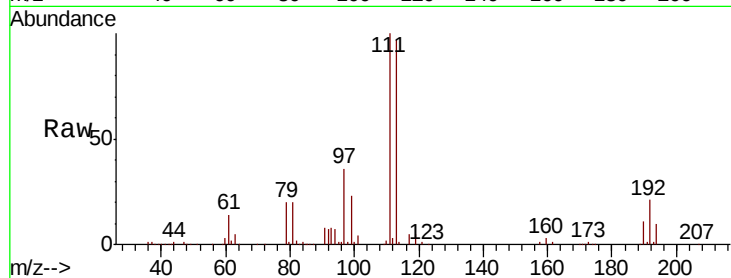




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

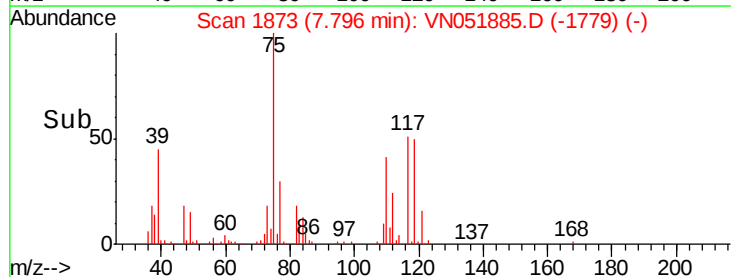
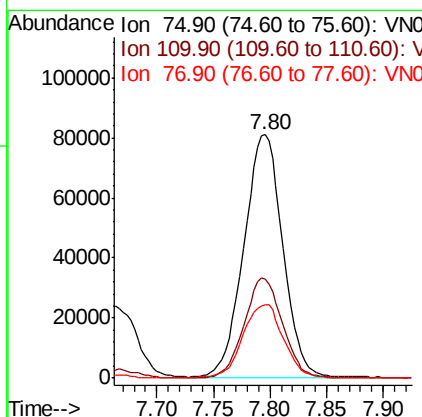
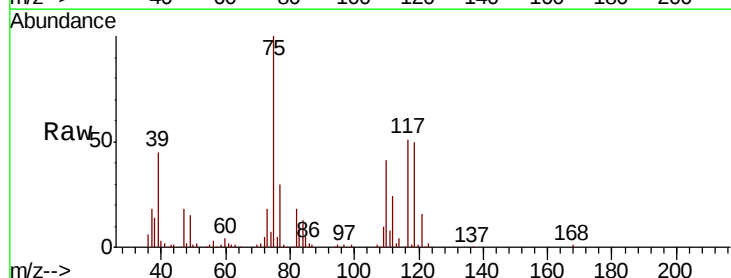
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

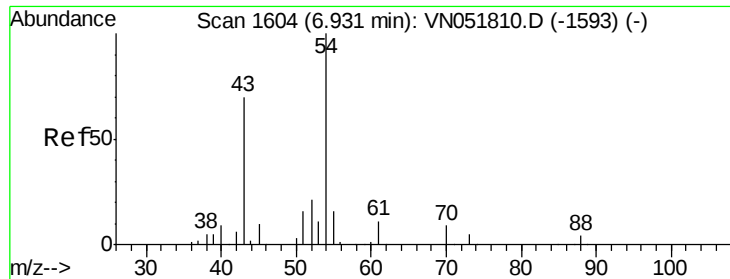
Tgt Ion: 113 Resp: 401205
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 20.9 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.694 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 75 Resp: 193302
 Ion Ratio Lower Upper
 75 100
 110 40.7 18.1 54.4
 77 31.8 24.8 37.2

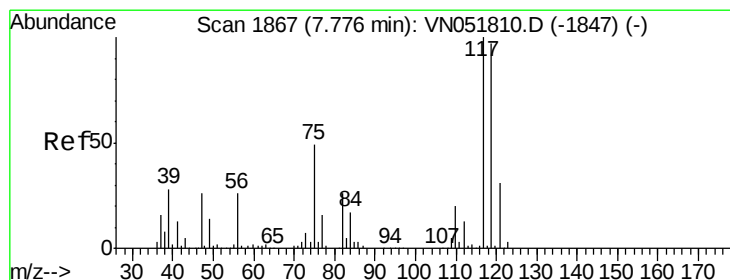
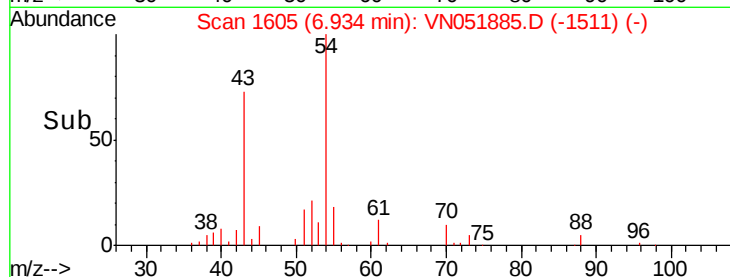
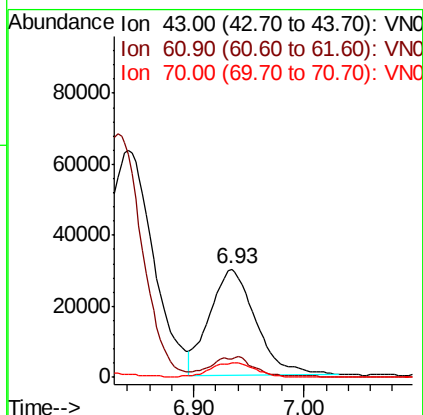
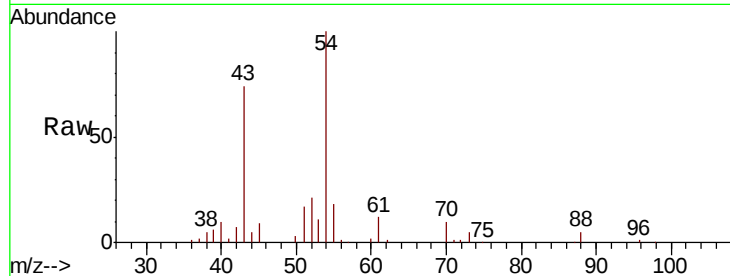




#37
 Ethyl Acetate
 Concen: 16.302 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

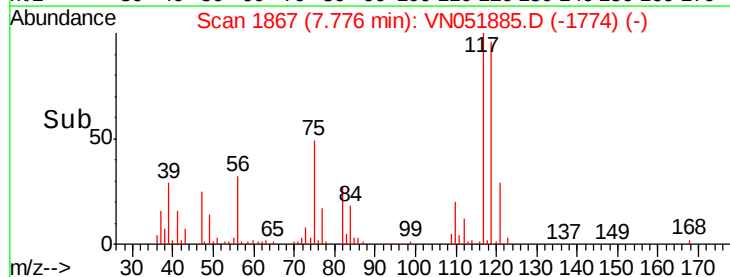
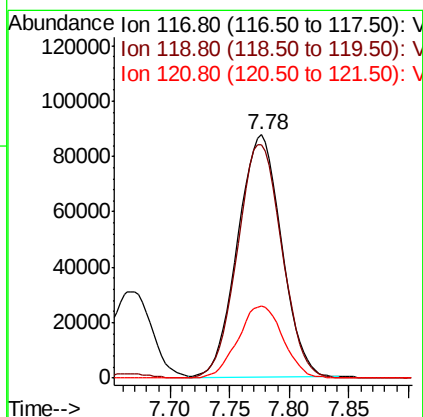
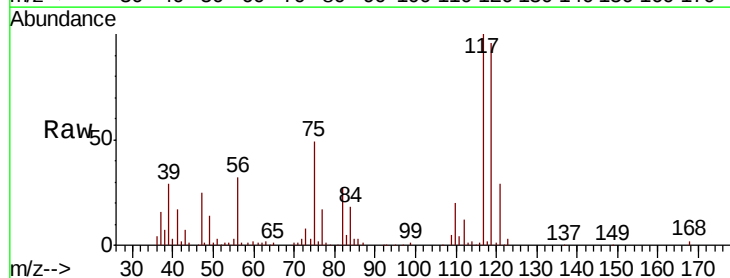
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

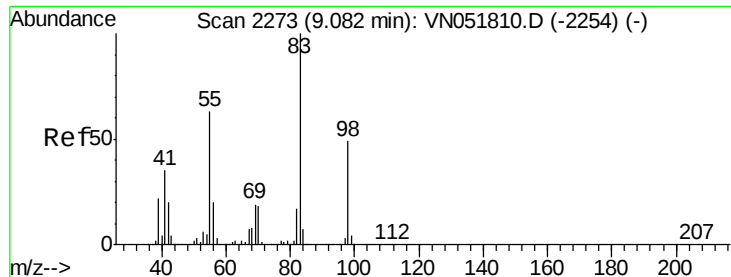
Tgt Ion: 43 Resp: 86550
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 13.6 8.6 13.0#



#38
 Carbon Tetrachloride
 Concen: 18.668 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 117 Resp: 223749
 Ion Ratio Lower Upper
 117 100
 119 96.2 76.3 114.5
 121 29.5 24.6 36.8

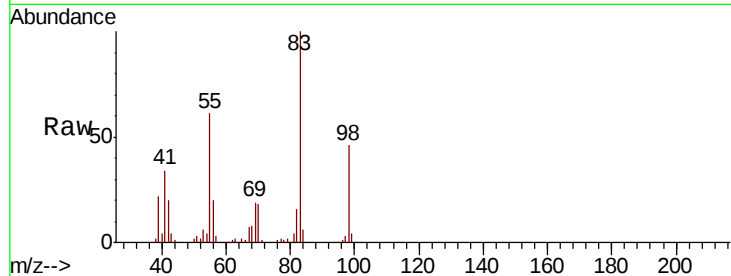




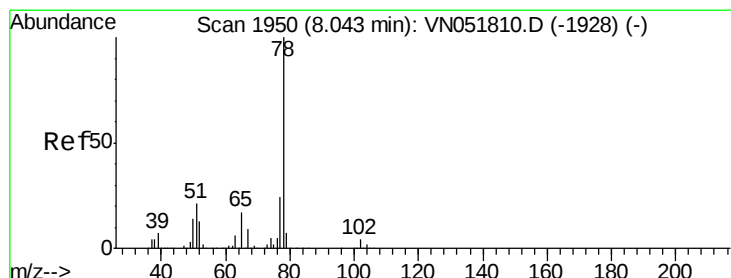
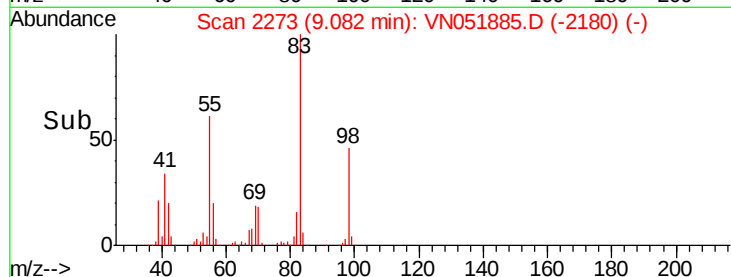
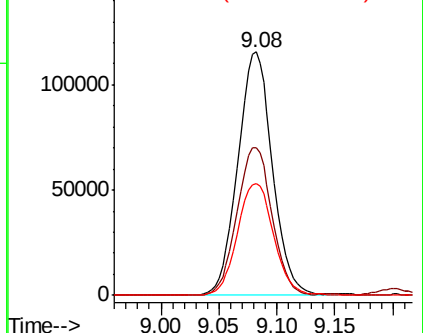
#39
Methylcyclohexane
Concen: 18.912 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tgt Ion: 83 Resp: 240227
Ion Ratio Lower Upper
83 100
55 60.8 61.0 91.4#
98 46.0 37.5 56.3

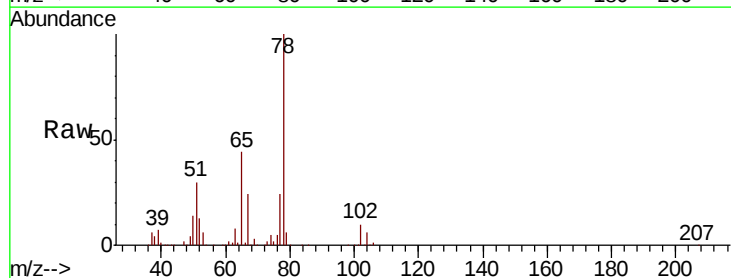


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

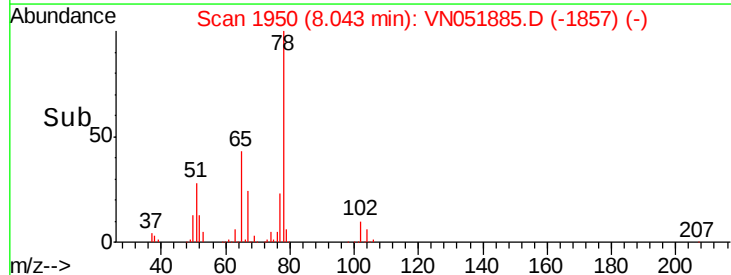
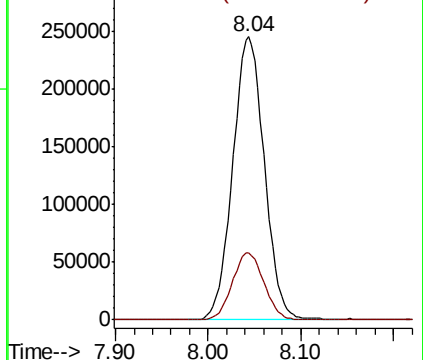


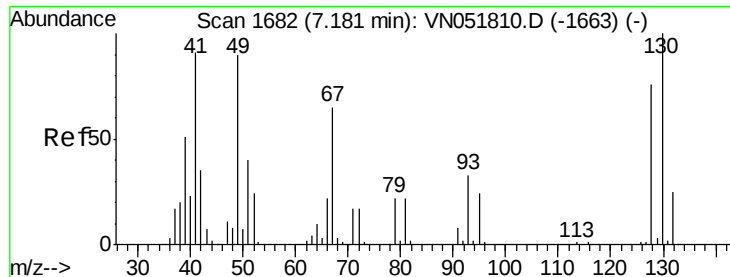
#40
Benzene
Concen: 19.441 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion: 78 Resp: 579894
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



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





#41

Methacrylonitrile

Concen: 13.726 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tgt Ion: 41 Resp: 35131

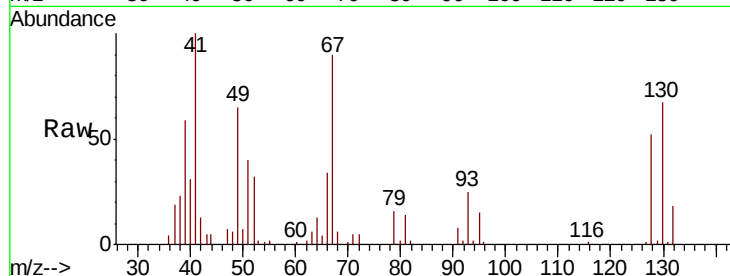
Ion Ratio Lower Upper

41 100

39 59.4 45.4 68.0

67 135.7 70.6 106.0#

52 53.6 27.1 40.7#



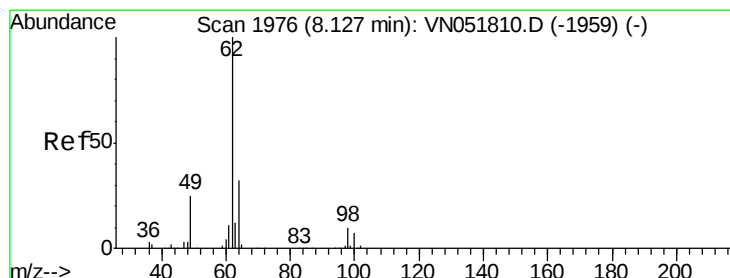
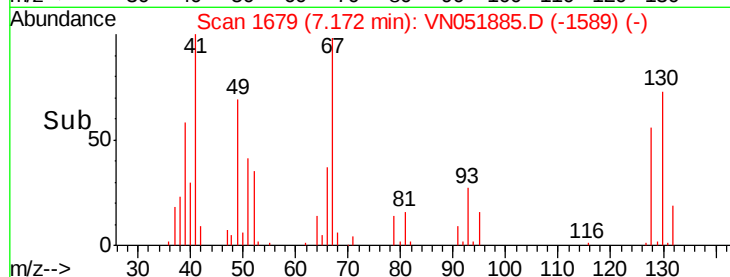
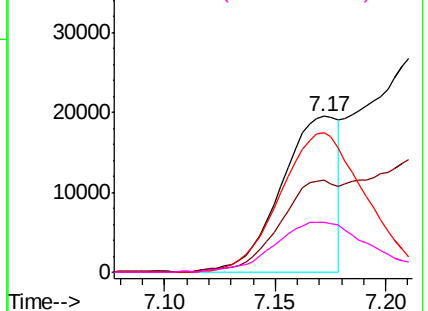
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.183 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051885.D

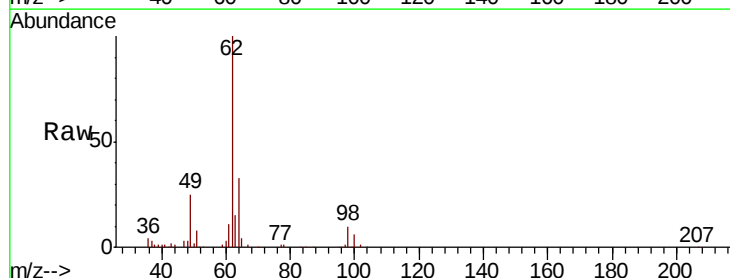
Acq: 16 Oct 2018 10:46

Tgt Ion: 62 Resp: 187579

Ion Ratio Lower Upper

62 100

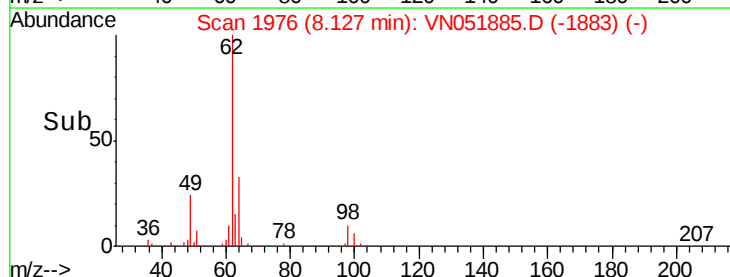
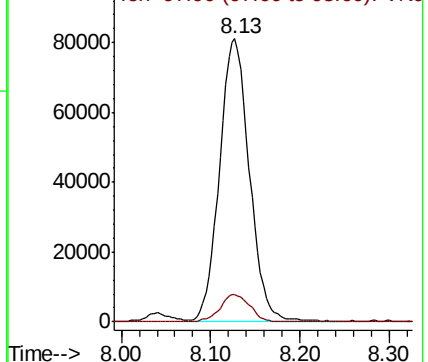
98 9.6 0.0 19.6

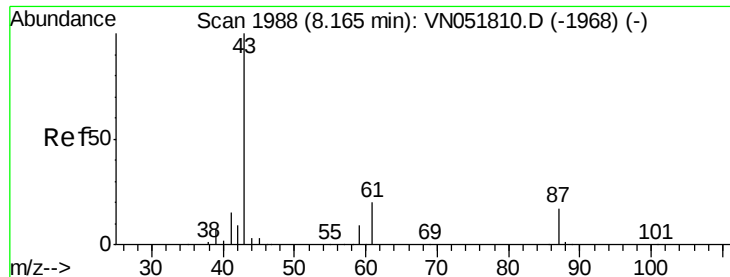


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 15.678 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

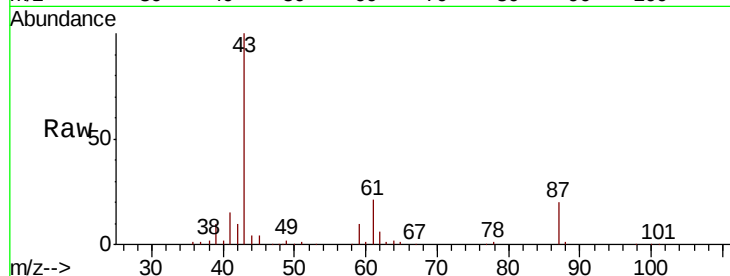
Tgt Ion: 43 Resp: 170213

Ion Ratio Lower Upper

43 100

61 21.4 17.5 26.3

87 17.6 11.3 16.9#

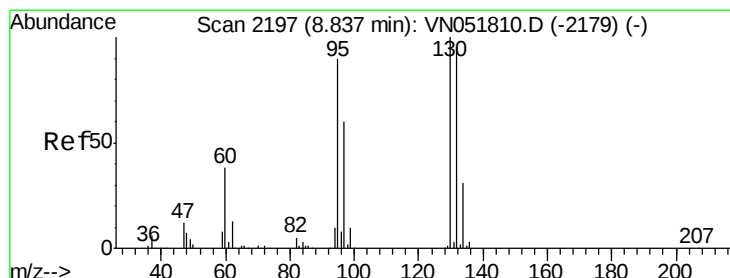
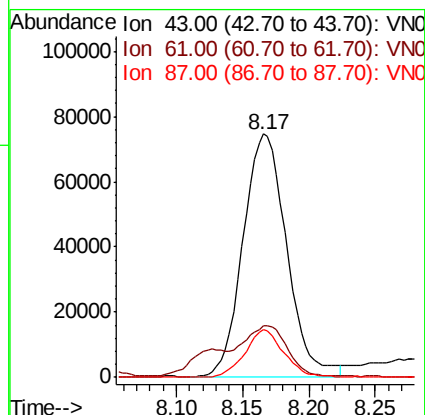
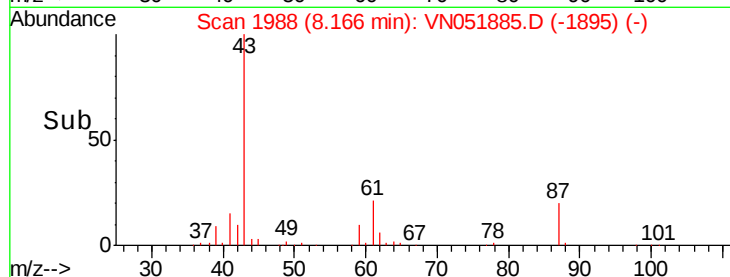


Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN051810.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN051810.D (-1968) (-)

8.17



#44

Trichloroethene

Concen: 20.072 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051885.D

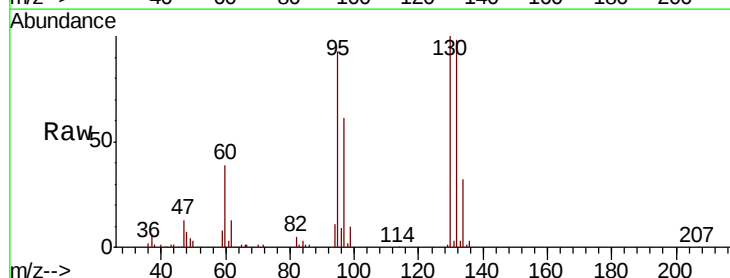
Acq: 16 Oct 2018 10:46

Tgt Ion: 130 Resp: 182272

Ion Ratio Lower Upper

130 100

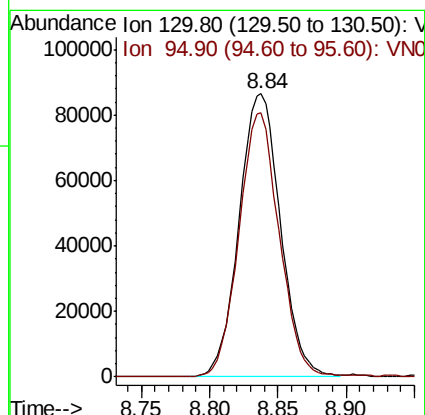
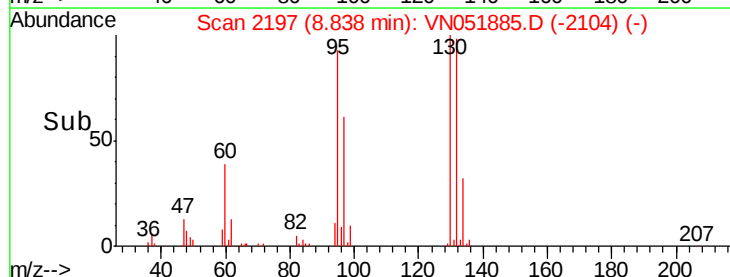
95 93.2 0.0 193.0

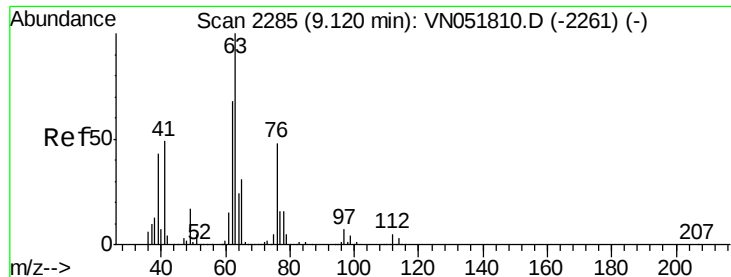


Abundance Ion 129.80 (129.50 to 130.50): VN051810.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051810.D (-2179) (-)

8.84





#45

1,2-Dichloropropane

Concen: 19.515 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

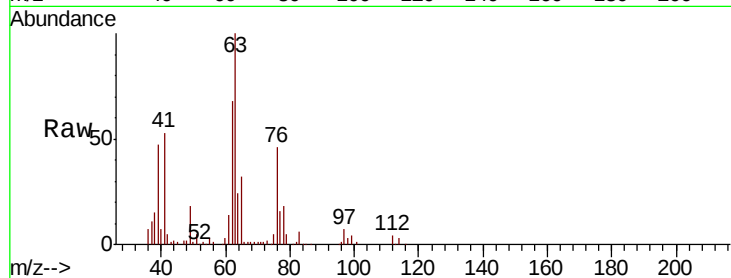
VN1016WBSD01

Tgt Ion: 63 Resp: 136872

Ion Ratio Lower Upper

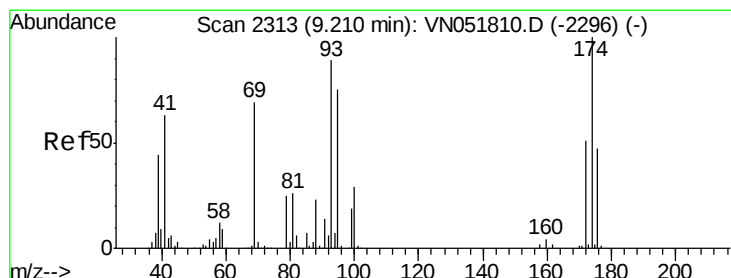
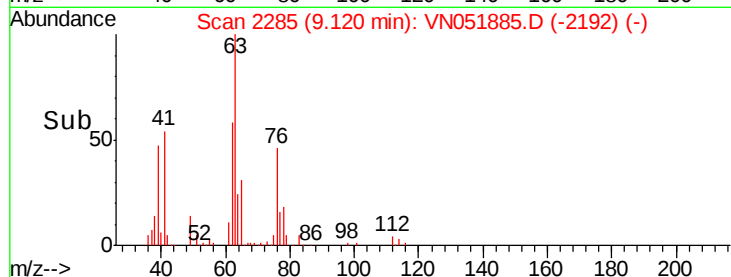
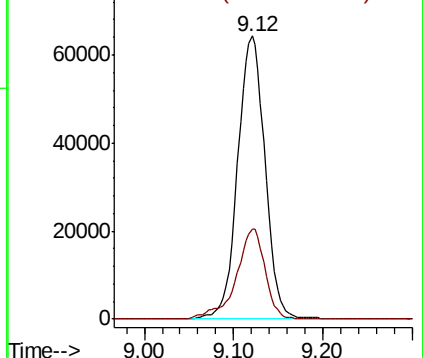
63 100

65 31.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.645 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

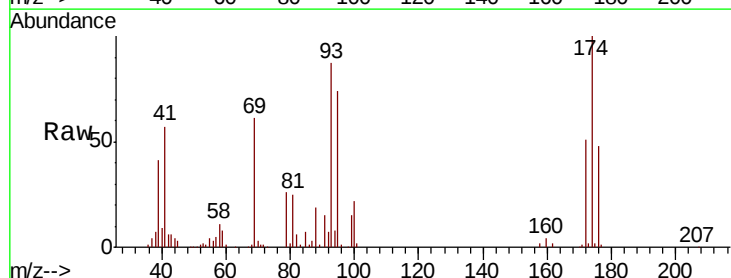
Tgt Ion: 93 Resp: 100354

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

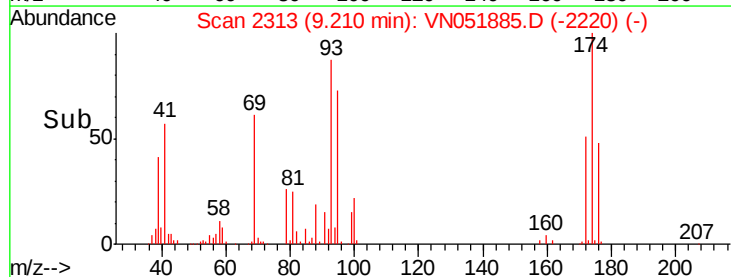
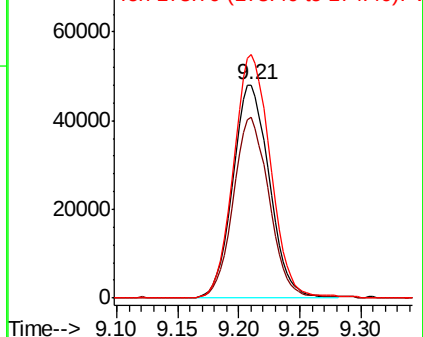
174 114.7 89.8 134.6

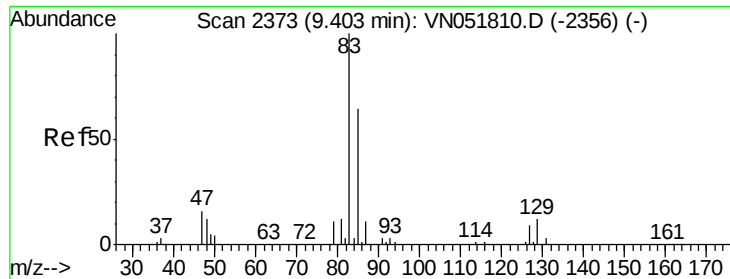


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.924 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

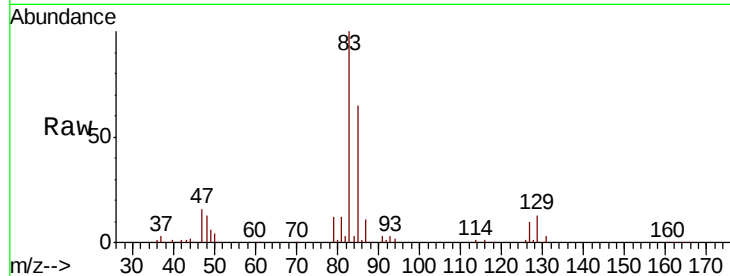
Tgt Ion: 83 Resp: 203500

Ion Ratio Lower Upper

83 100

85 64.8 52.6 78.8

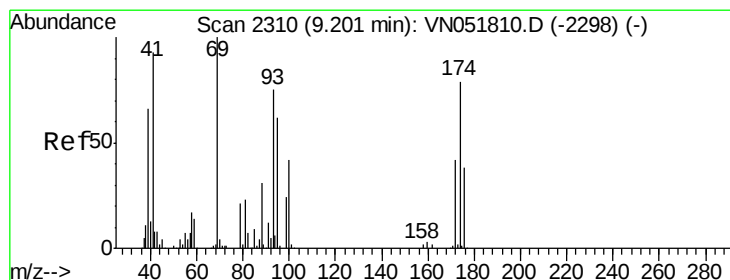
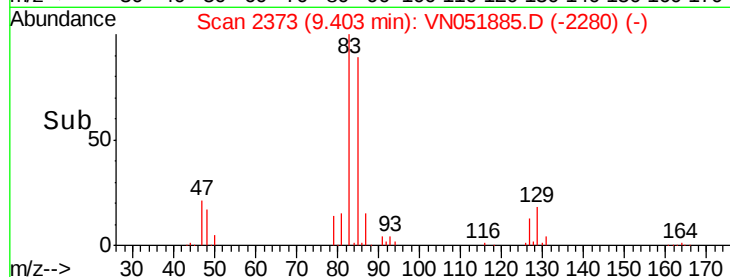
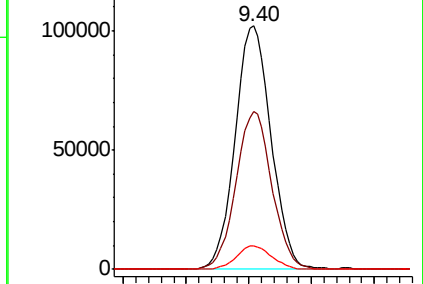
127 9.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 16.058 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

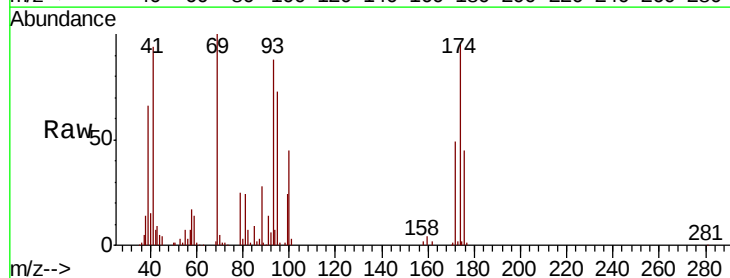
Tgt Ion: 41 Resp: 75943

Ion Ratio Lower Upper

41 100

69 115.9 74.7 112.1#

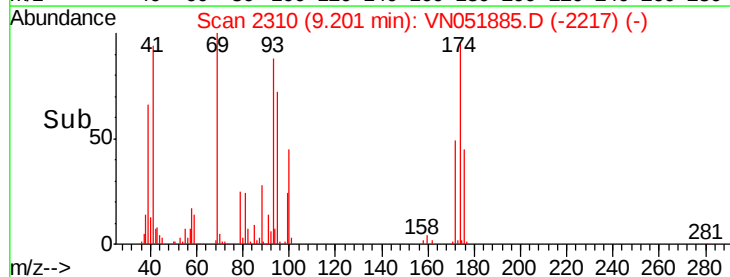
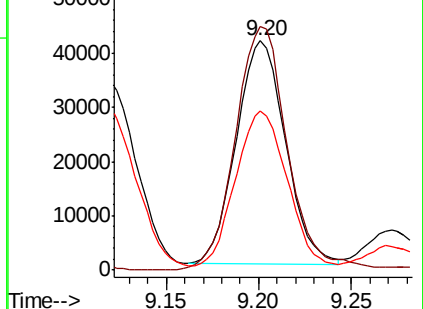
39 75.2 42.2 63.2#

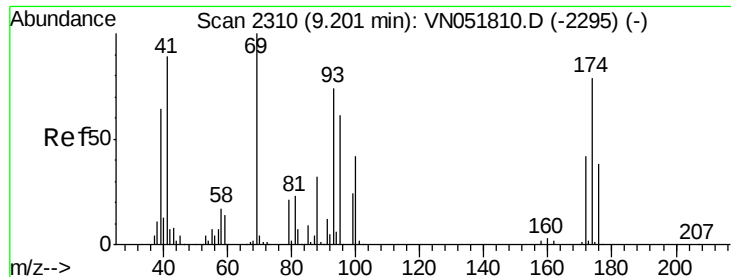


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 330.026 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

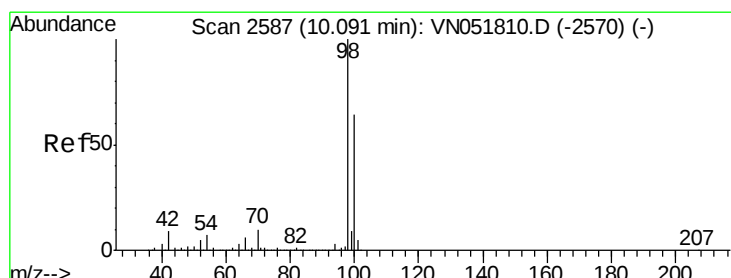
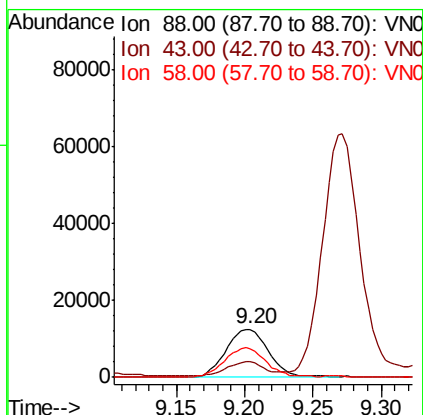
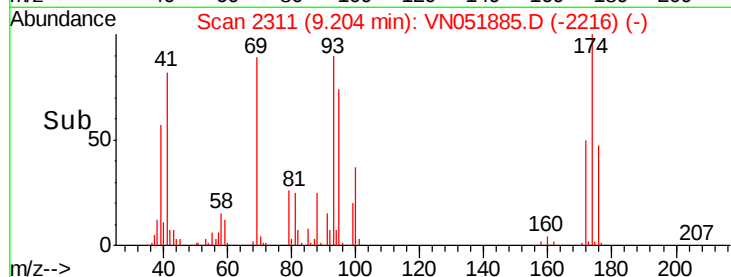
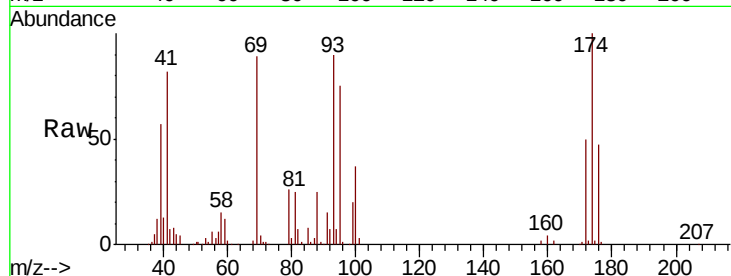
Tgt Ion: 88 Resp: 27437

Ion Ratio Lower Upper

88 100

43 26.6 25.9 38.9

58 58.8 55.0 82.4



#50

Toluene-d8

Concen: 330.026 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051885.D

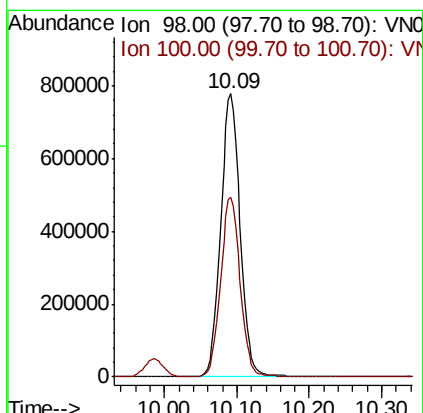
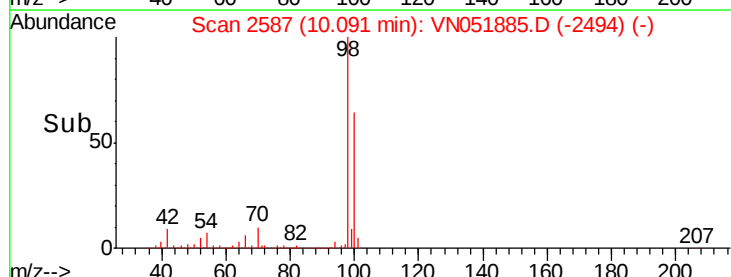
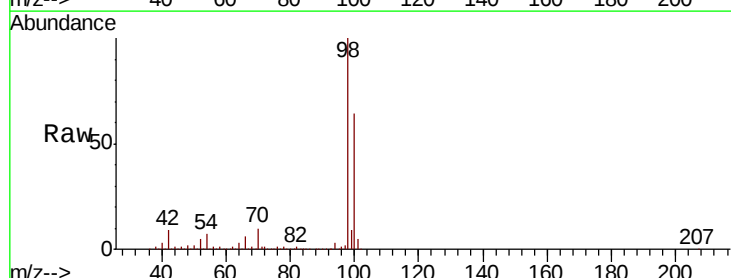
Acq: 16 Oct 2018 10:46

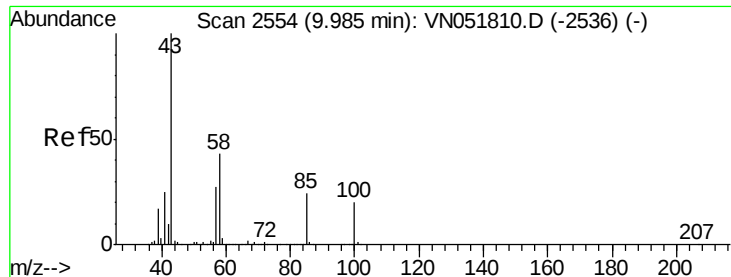
Tgt Ion: 98 Resp: 1438916

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3

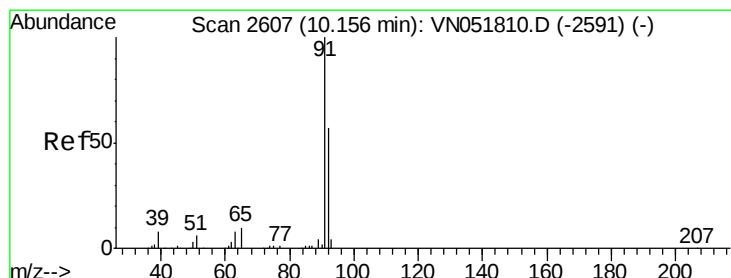
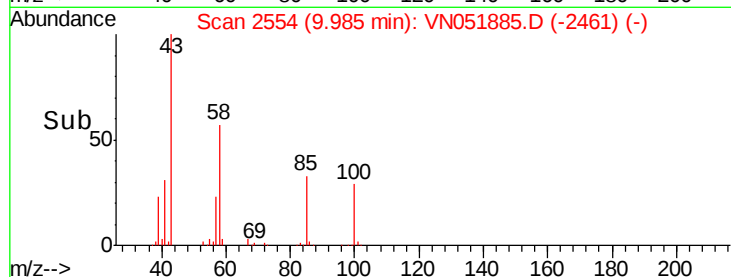
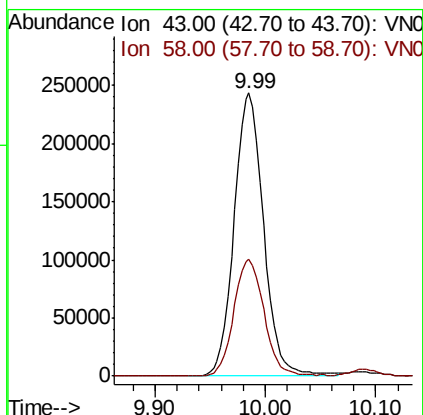
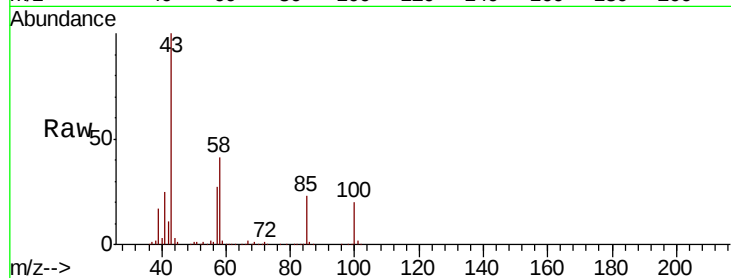




#51
 4-Methyl-2-Pentanone
 Concen: 81.430 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

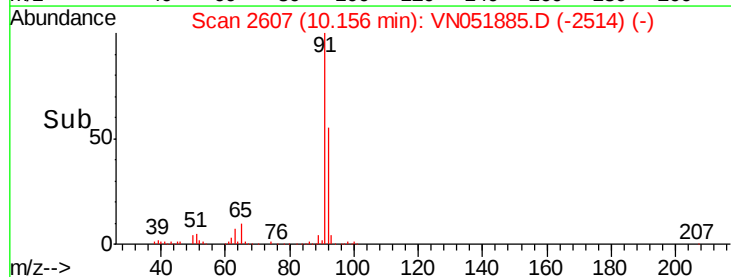
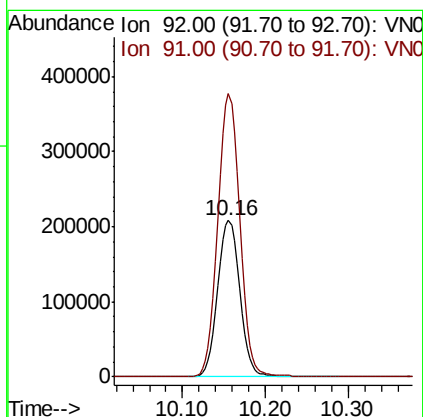
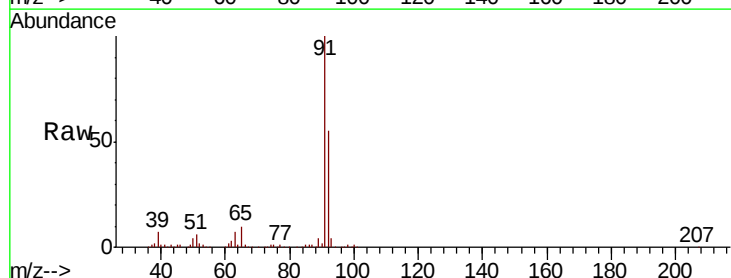
Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBSD01

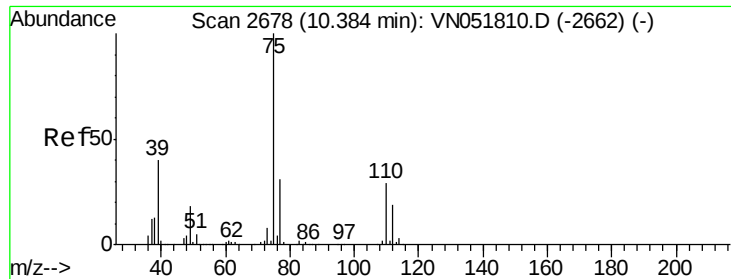
Tgt Ion: 43 Resp: 448759
 Ion Ratio Lower Upper
 43 100
 58 42.6 32.4 48.6



#52
 Toluene
 Concen: 19.371 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 92 Resp: 387985
 Ion Ratio Lower Upper
 92 100
 91 179.3 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 17.170 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

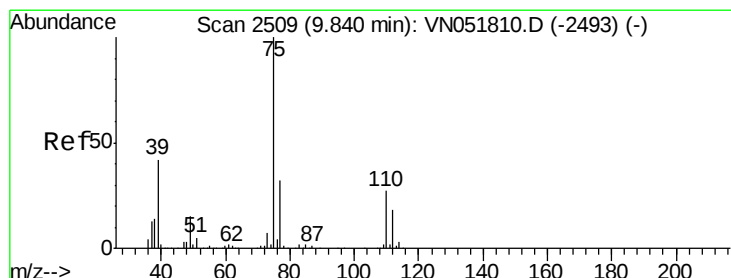
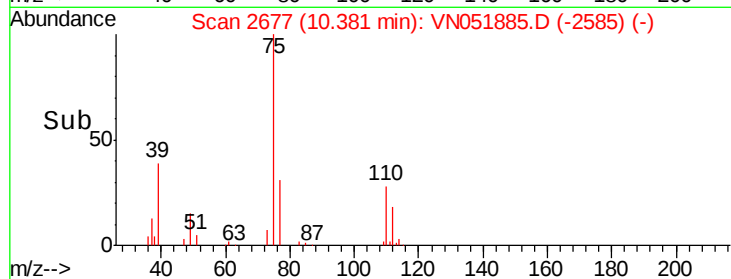
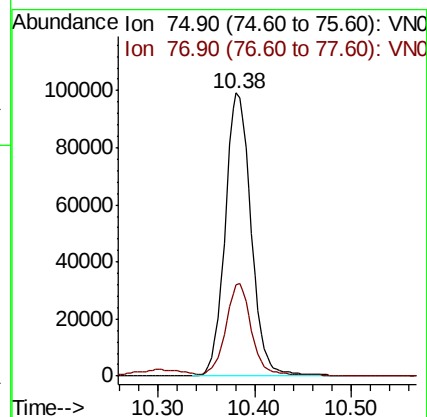
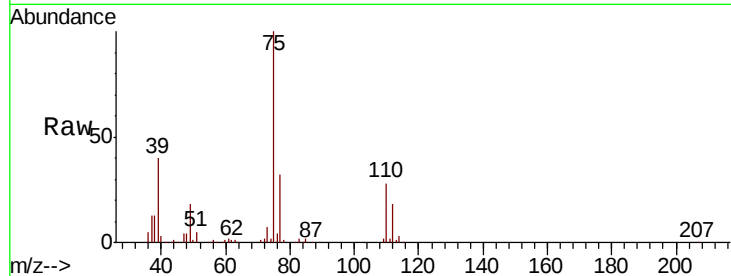
VN1016WBSD01

Tgt Ion: 75 Resp: 184995

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.237 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

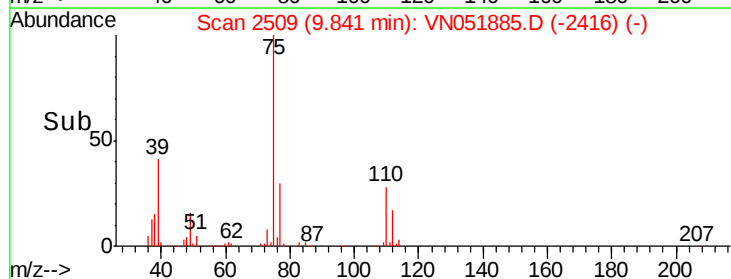
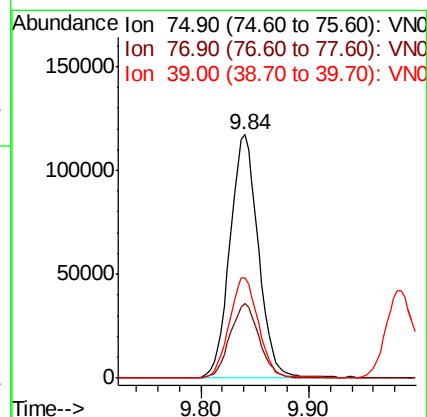
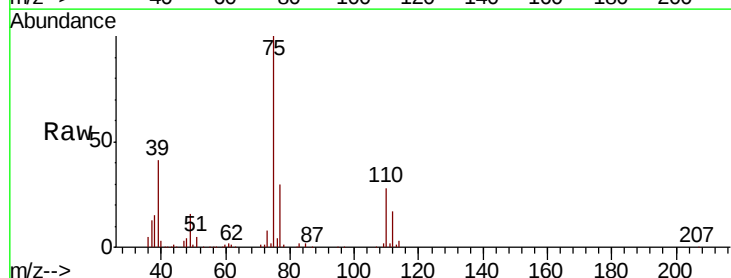
Tgt Ion: 75 Resp: 215717

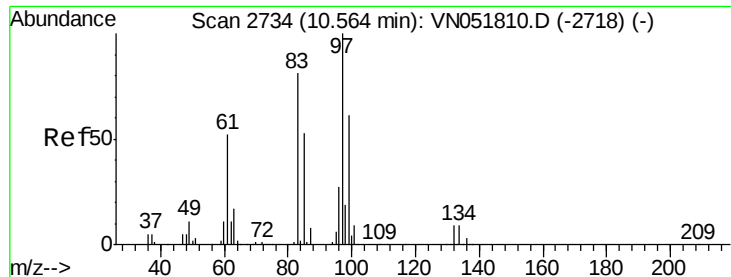
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 41.1 33.0 49.4

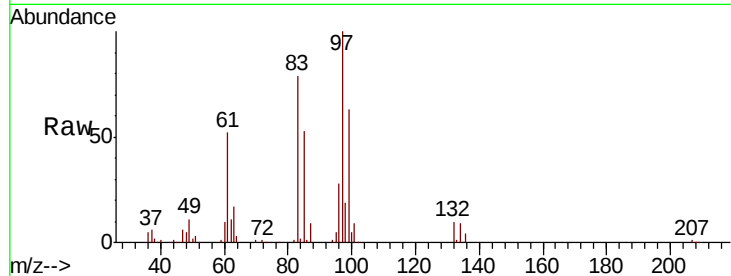




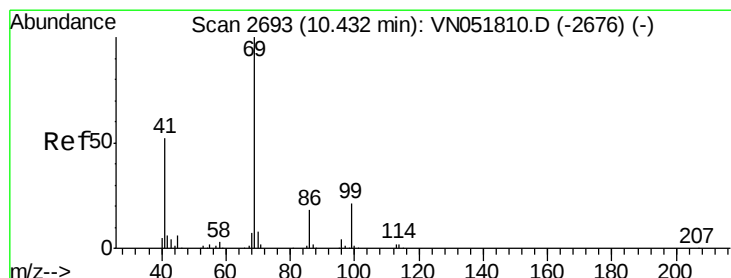
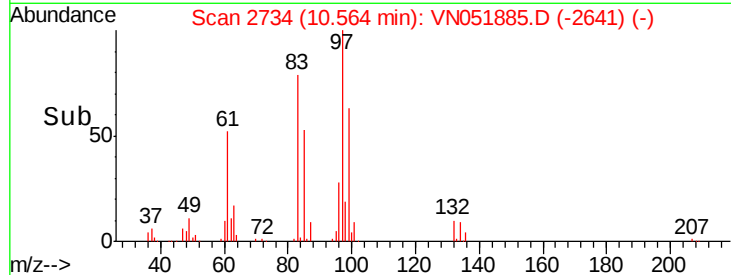
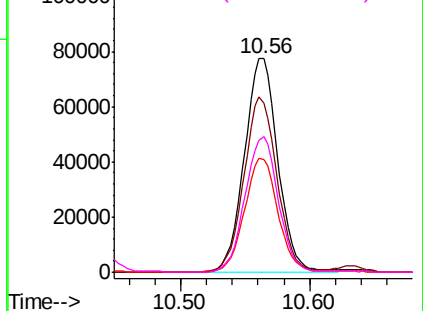
#55
 1,1,2-Trichloroethane
 Concen: 18.628 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tgt Ion: 97 Resp: 140352
 Ion Ratio Lower Upper
 97 100
 83 79.3 69.7 104.5
 85 53.0 44.5 66.7
 99 63.0 50.7 76.1

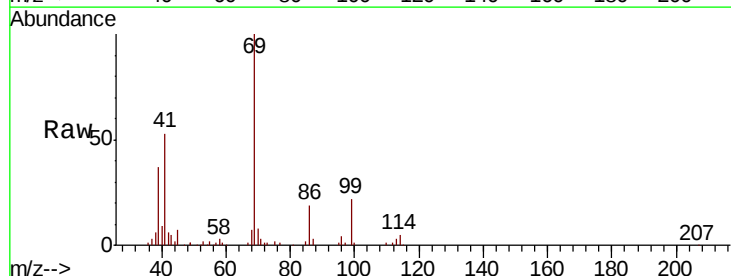


Abundance Ion 96.90 (96.60 to 97.60): VNO
 120000 Ion 82.90 (82.60 to 83.60): VNO
 100000 Ion 84.90 (84.60 to 85.60): VNO
 80000 Ion 98.90 (98.60 to 99.60): VNO

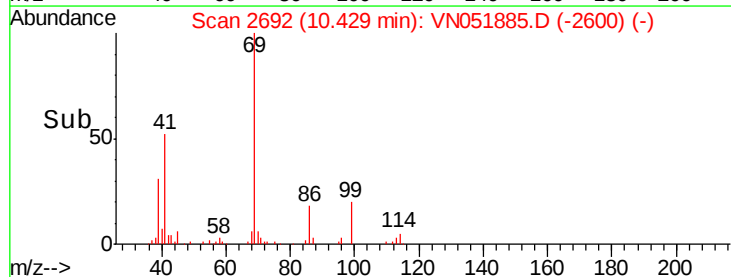
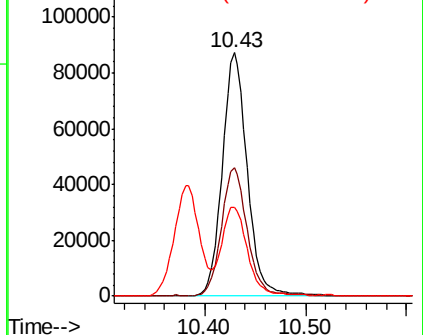


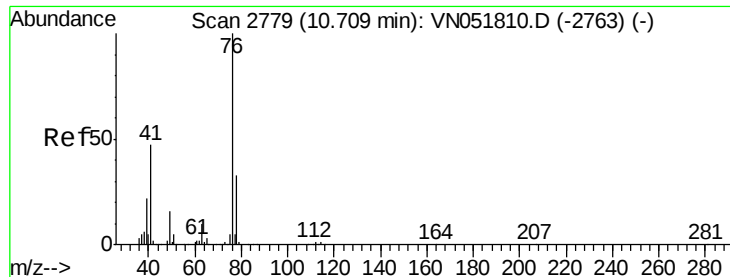
#56
 Ethyl methacrylate
 Concen: 17.040 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 69 Resp: 151205
 Ion Ratio Lower Upper
 69 100
 41 53.7 48.3 72.5
 39 37.8 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 120000 Ion 41.00 (40.70 to 41.70): VNO
 100000 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.504 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

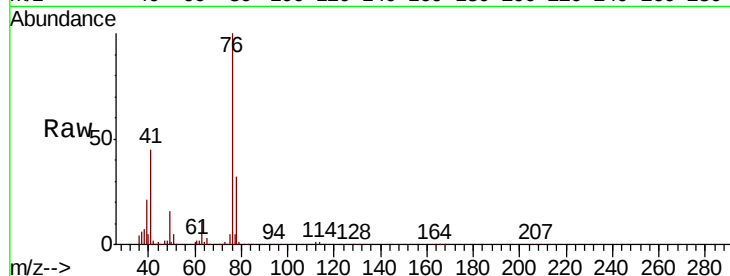
VN1016WBSD01

Tgt Ion: 76 Resp: 216598

Ion Ratio Lower Upper

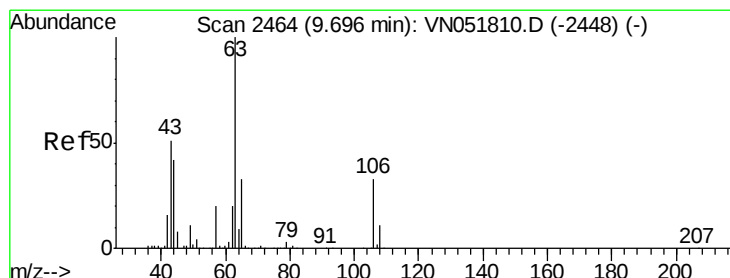
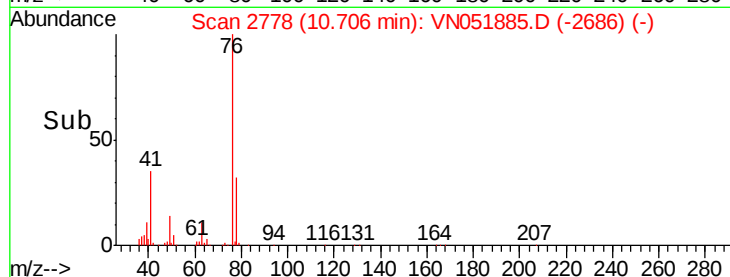
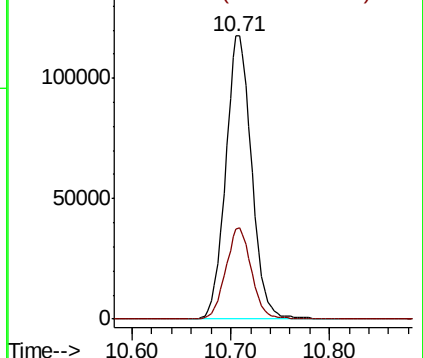
76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.058 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051885.D

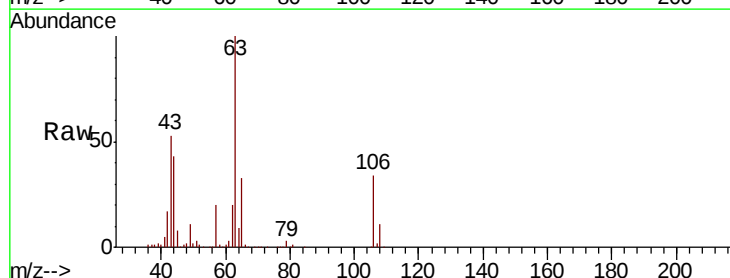
Acq: 16 Oct 2018 10:46

Tgt Ion: 63 Resp: 324778

Ion Ratio Lower Upper

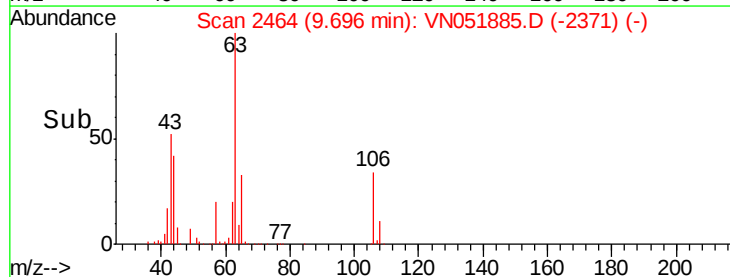
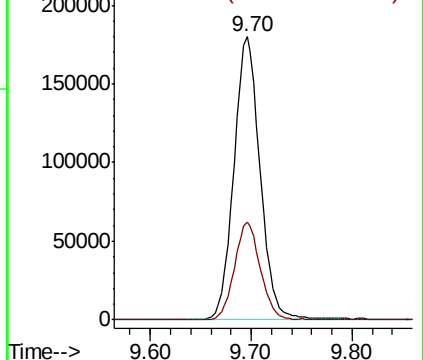
63 100

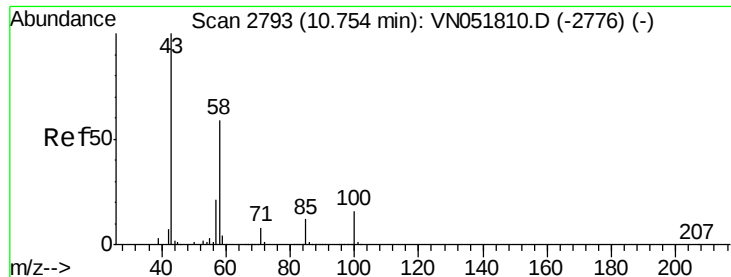
106 33.9 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

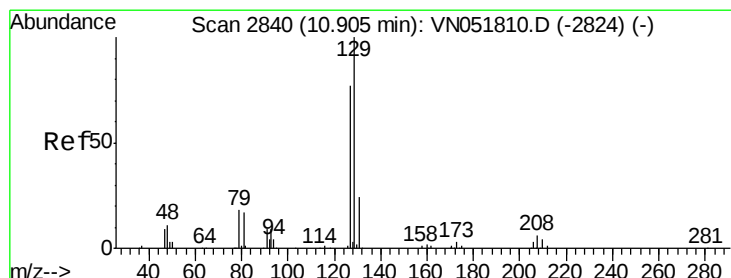
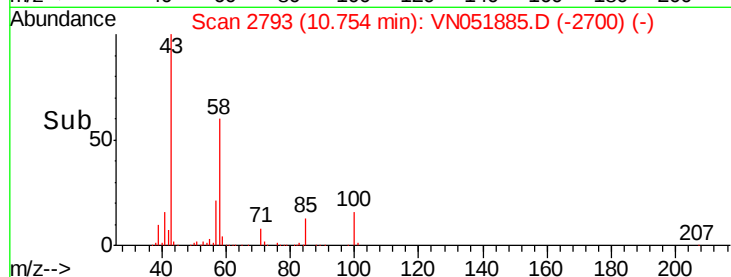
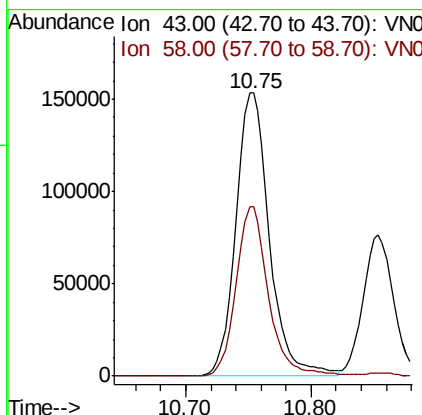
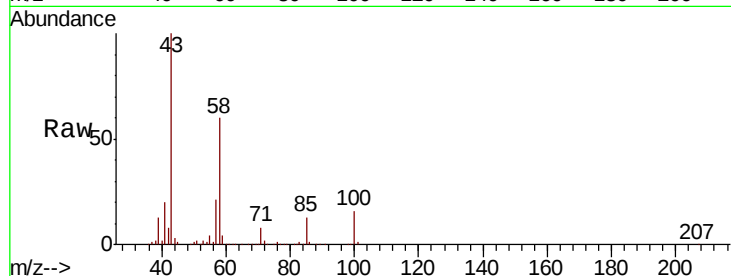




#59
2-Hexanone
Concen: 73.229 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

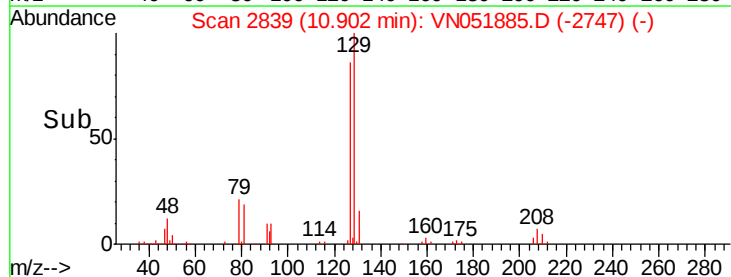
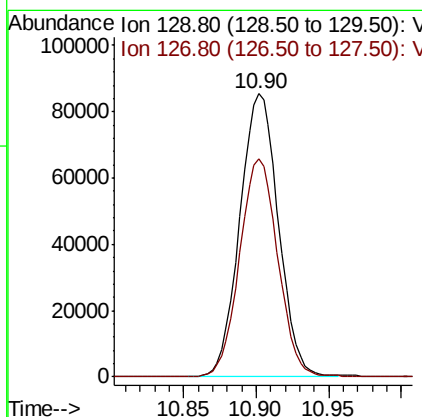
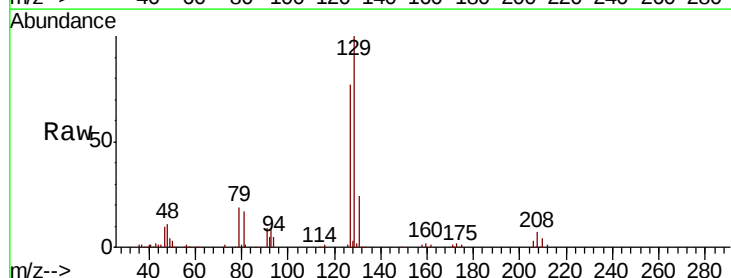
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

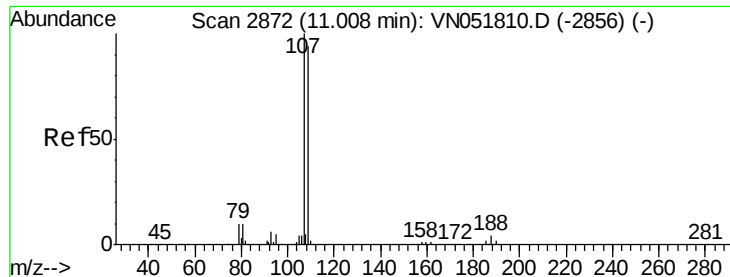
Tgt Ion: 43 Resp: 283445
Ion Ratio Lower Upper
43 100
58 58.2 28.3 85.0



#60
Dibromochloromethane
Concen: 17.705 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion: 129 Resp: 158365
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

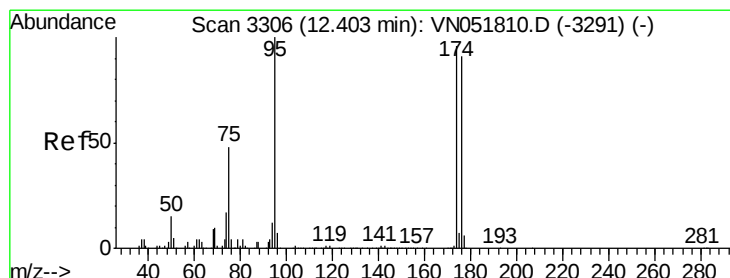
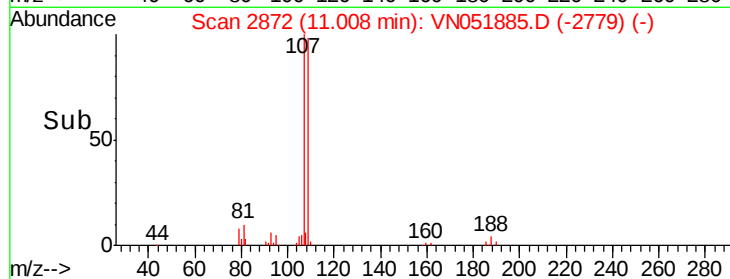
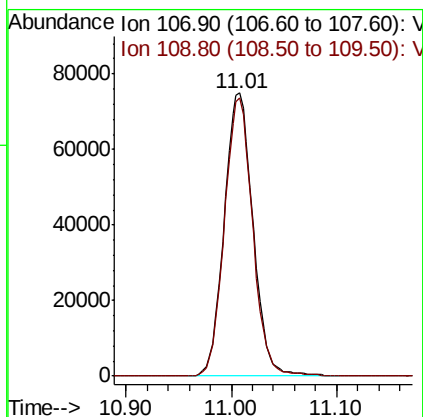
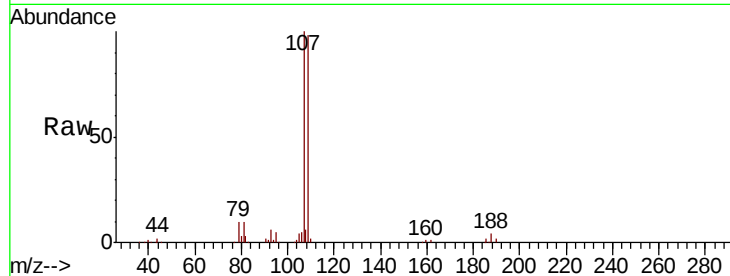




#61
 1,2-Dibromoethane
 Concen: 18.210 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

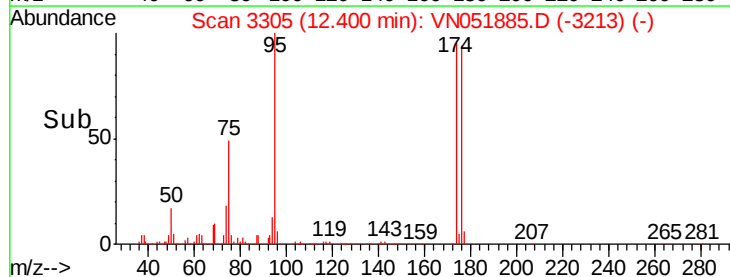
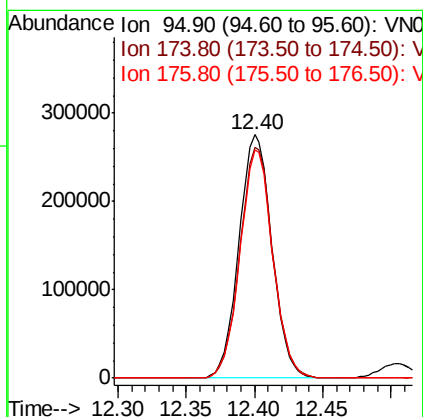
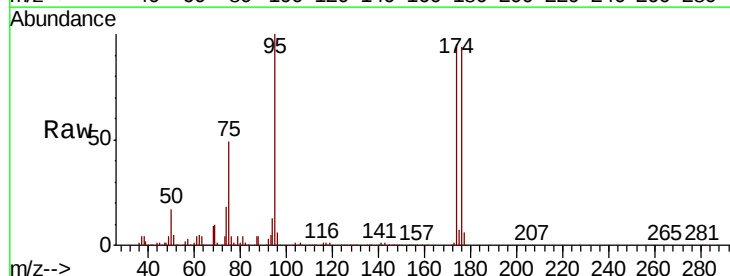
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

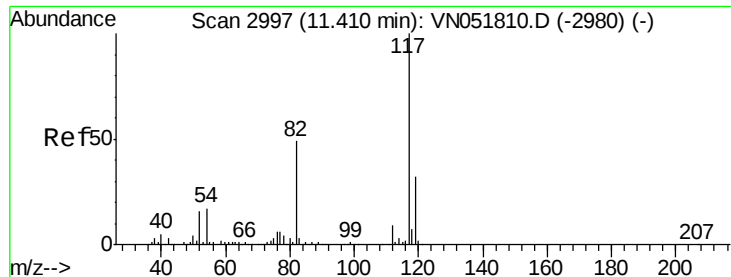
Tgt Ion: 107 Resp: 141314
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 18.210 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion: 95 Resp: 460820
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 183.0
 176 93.4 0.0 178.8

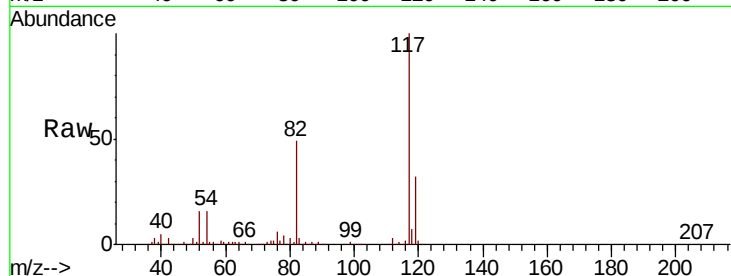




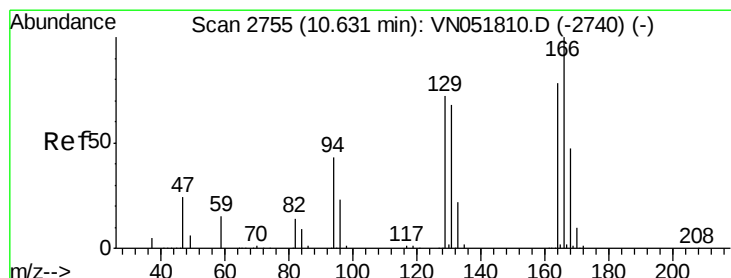
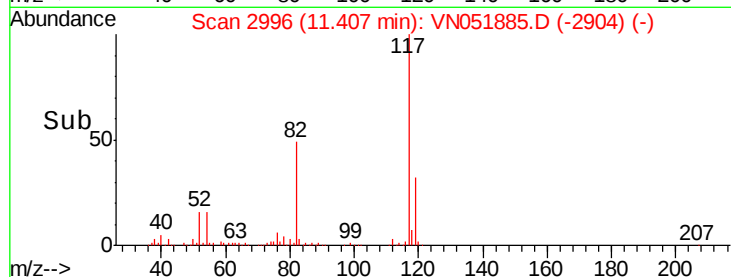
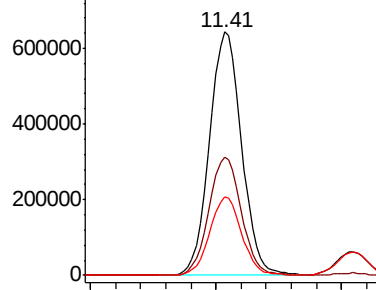
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tgt Ion:117 Resp: 1147243
Ion Ratio Lower Upper
117 100
82 48.6 42.6 64.0
119 32.2 25.8 38.6

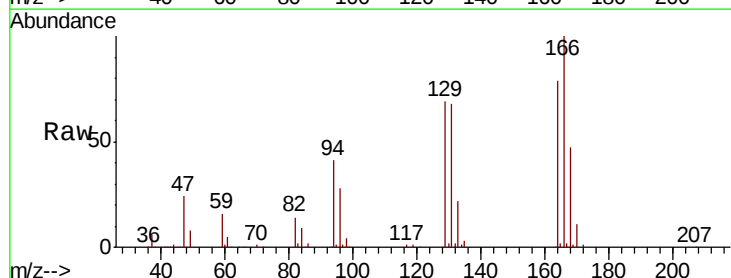


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

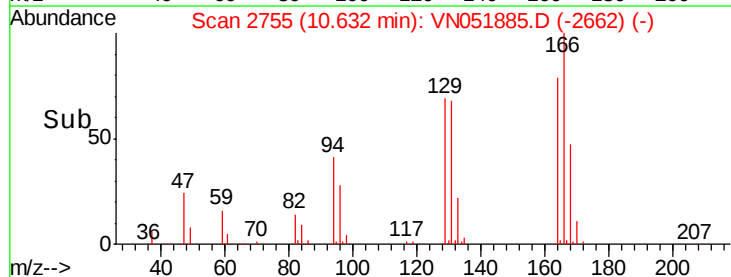
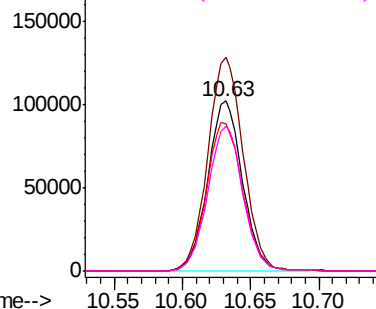


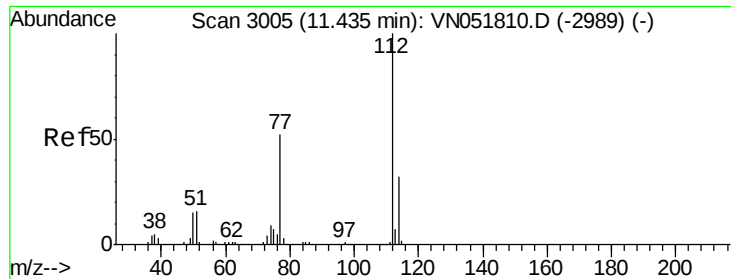
#64
Tetrachloroethene
Concen: 20.548 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion:164 Resp: 180800
Ion Ratio Lower Upper
164 100
166 125.8 103.5 155.3
129 86.6 72.7 109.1
131 85.3 69.5 104.3



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: 19.080 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

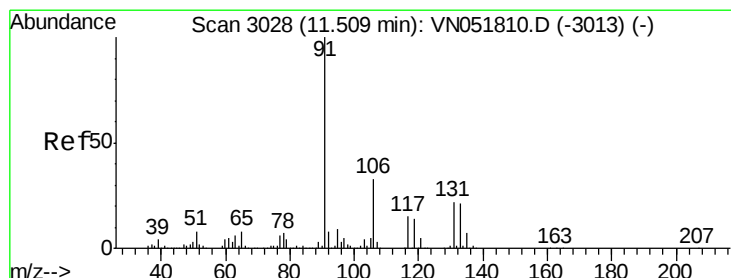
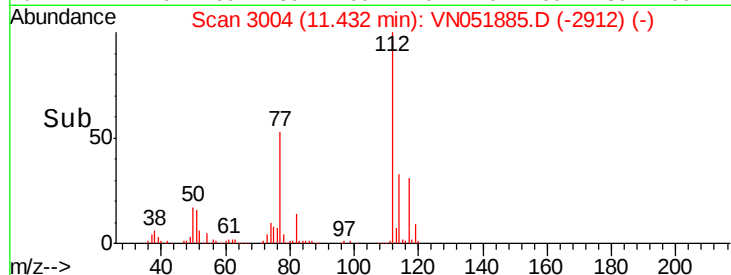
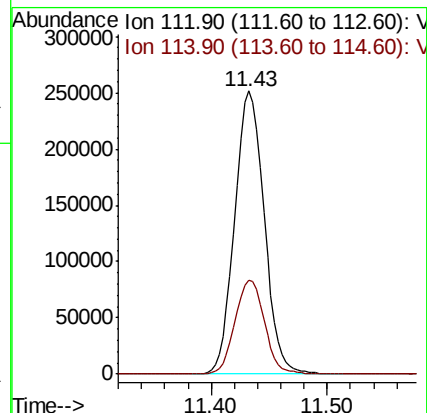
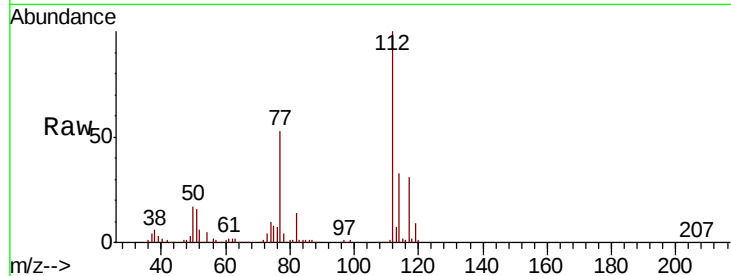
VN1016WBSD01

Tgt Ion:112 Resp: 442697

Ion Ratio Lower Upper

112 100

114 33.4 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.150 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

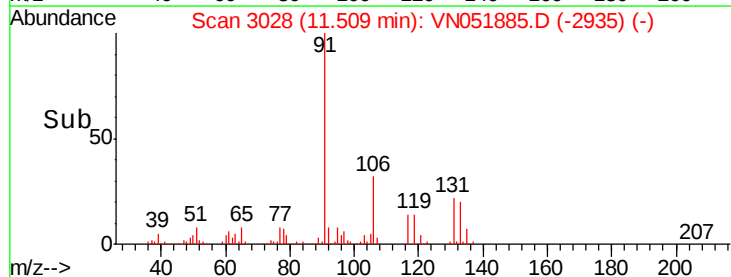
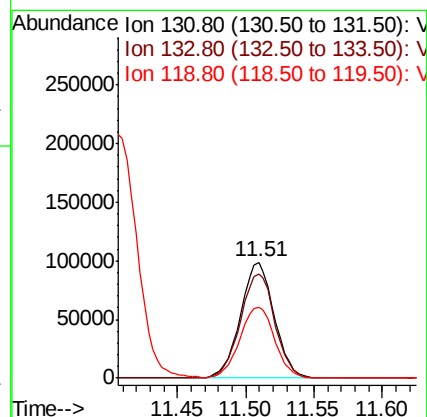
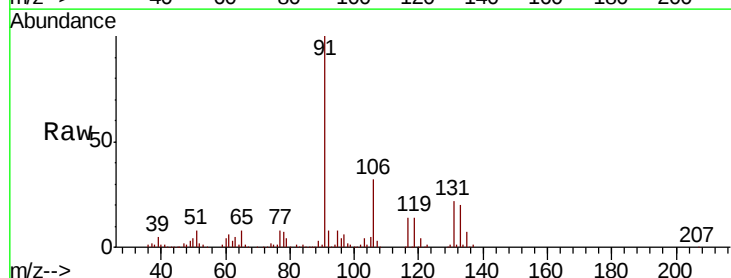
Tgt Ion:131 Resp: 169342

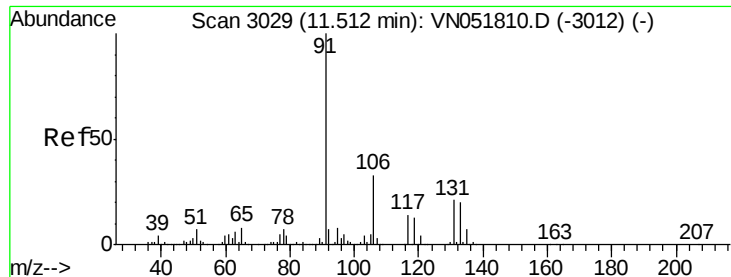
Ion Ratio Lower Upper

131 100

133 92.3 47.4 142.3

119 63.3 32.8 98.4





#67

Ethyl Benzene

Concen: 19.199 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

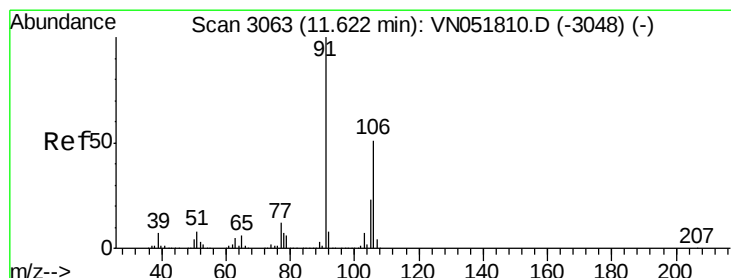
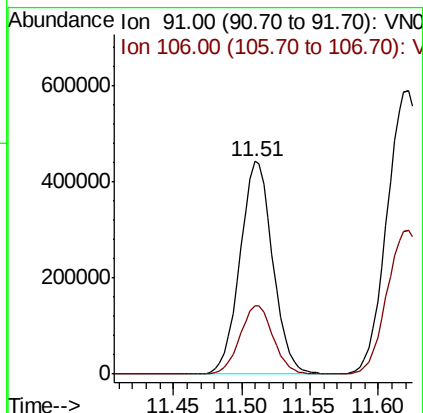
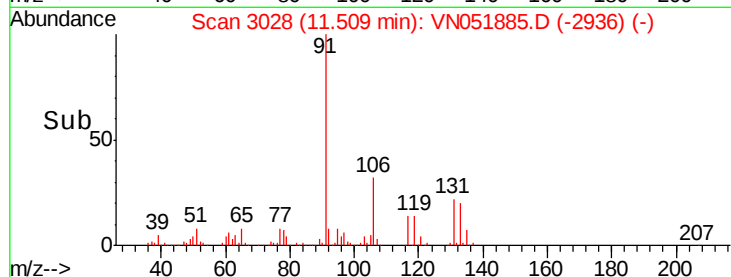
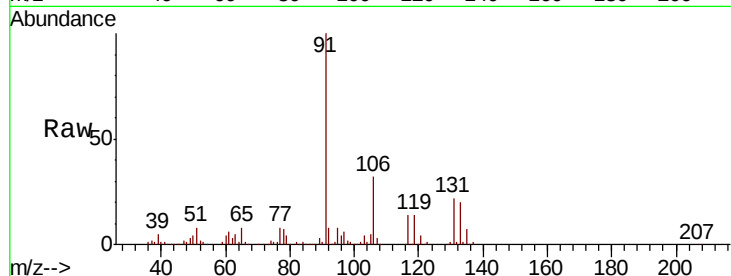
VN1016WBSD01

Tgt Ion: 91 Resp: 737429

Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4



#68

m/p-Xylenes

Concen: 38.152 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051885.D

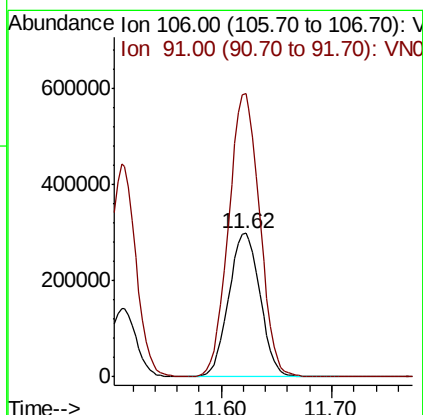
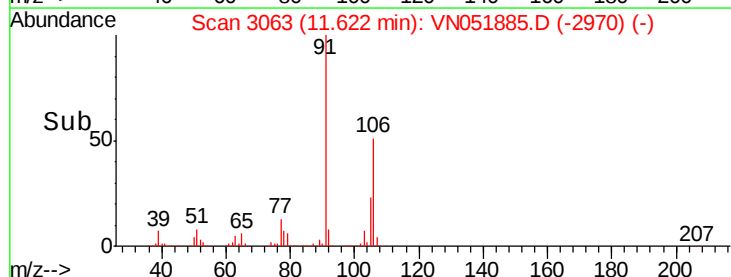
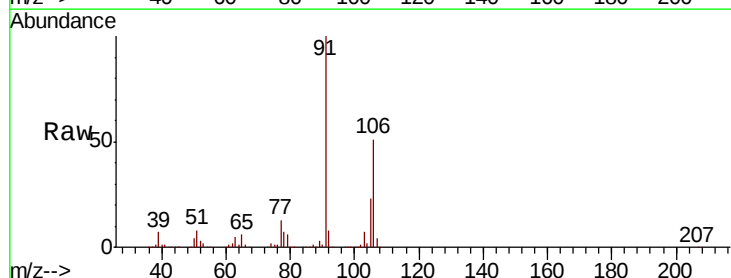
Acq: 16 Oct 2018 10:46

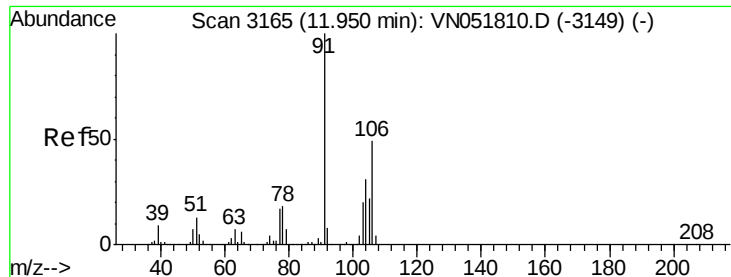
Tgt Ion: 106 Resp: 591923

Ion Ratio Lower Upper

106 100

91 194.9 161.0 241.6

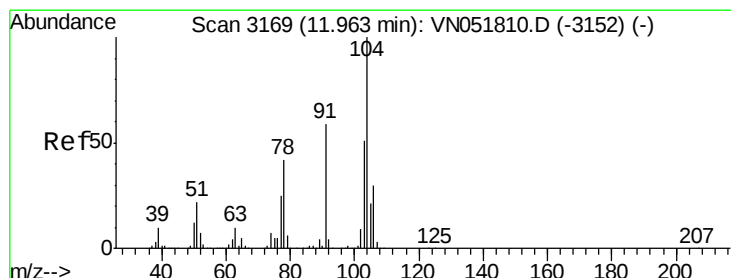
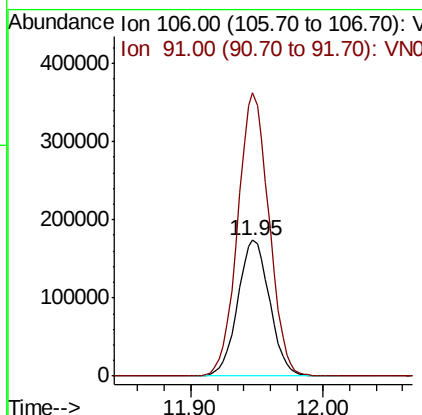
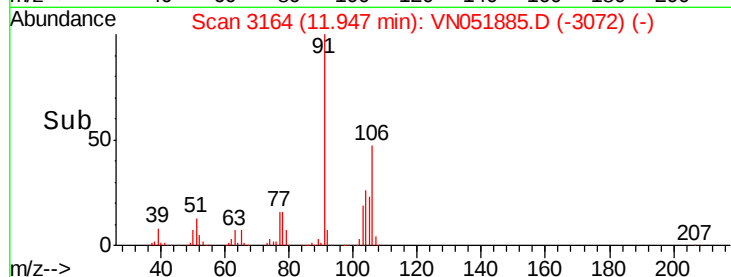
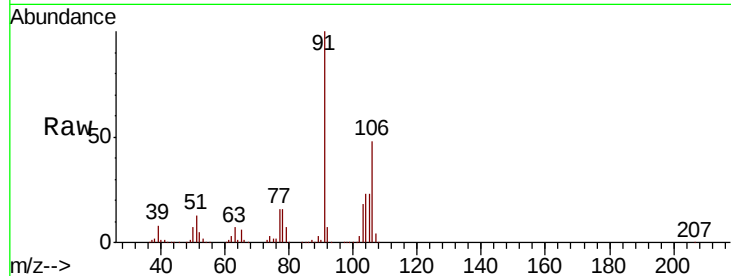




#69
o-Xylene
Concen: 19.337 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

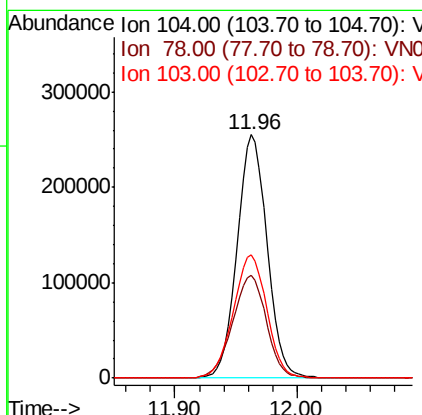
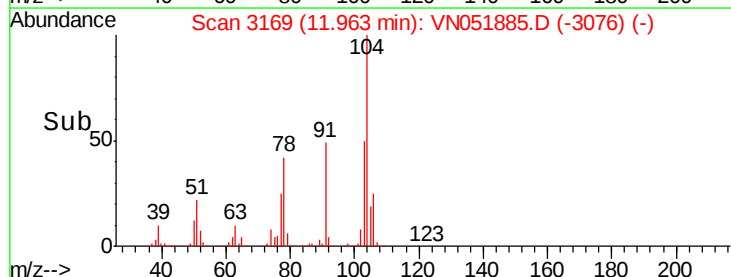
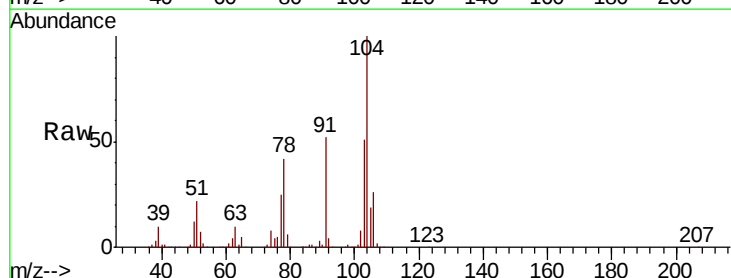
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

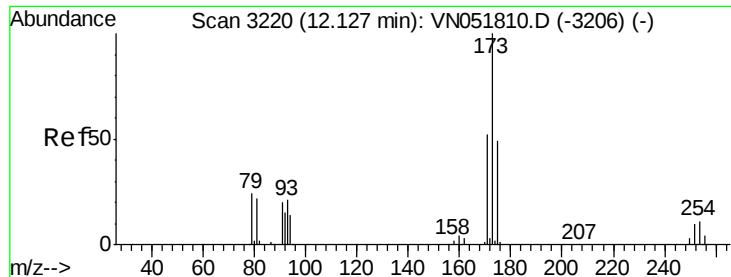
Tgt Ion:106 Resp: 291375
Ion Ratio Lower Upper
106 100
91 203.9 106.5 319.5



#70
Styrene
Concen: 18.620 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion:104 Resp: 432836
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.4
103 56.8 44.4 66.6

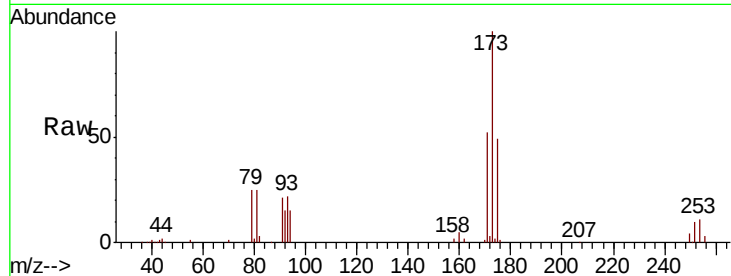




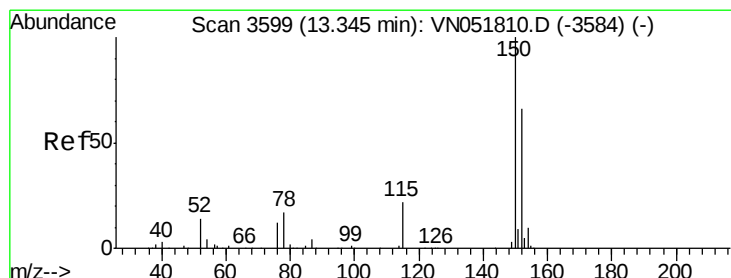
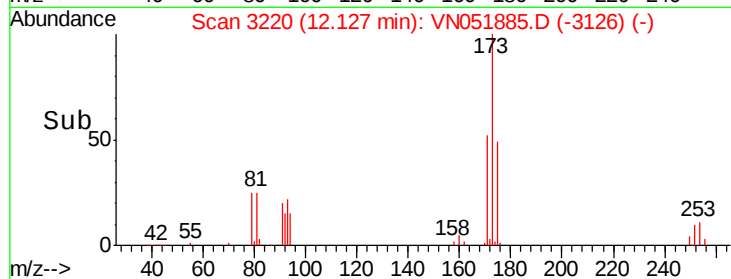
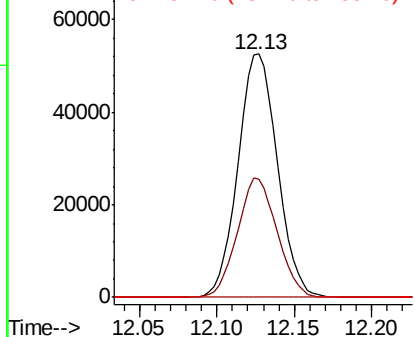
#71
Bromoform
Concen: 16.021 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VN1016WBSD01

Tgt Ion:173 Resp: 93332
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.4
254 0.0 0.1 0.1#

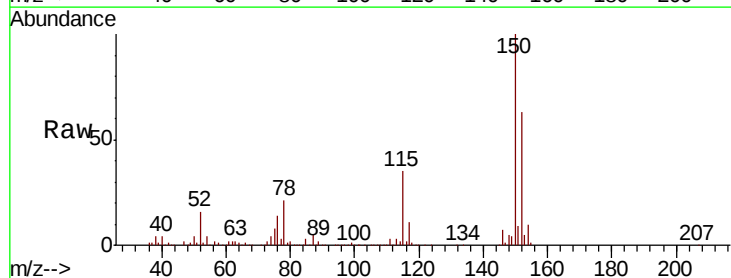


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

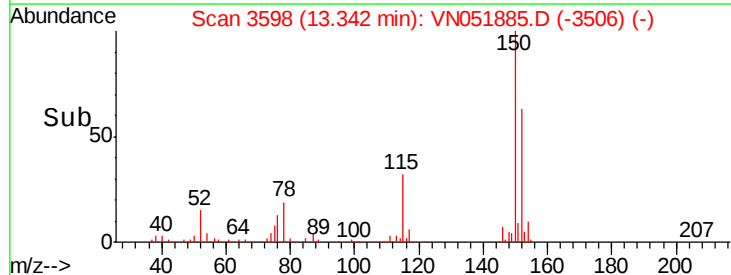
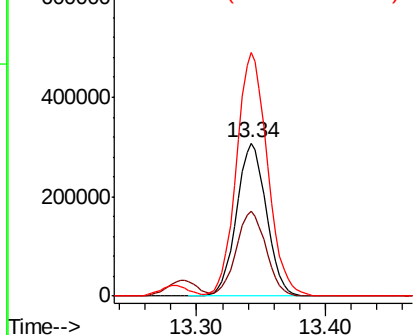


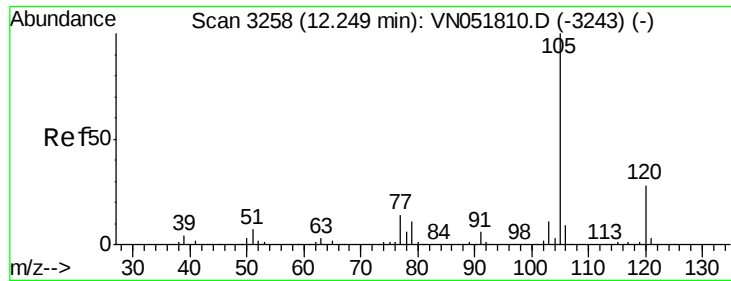
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion:152 Resp: 494720
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.4
150 165.3 0.0 351.4



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: 20.338 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

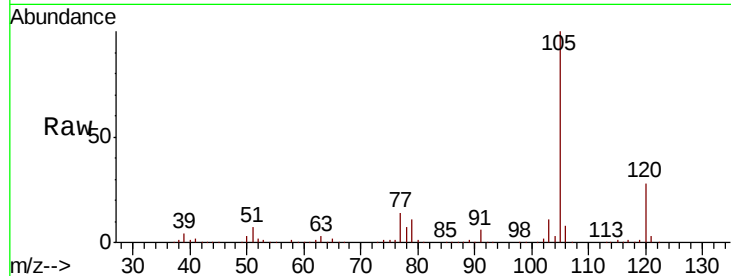
VN1016WBSD01

Tgt Ion: 105 Resp: 775286

Ion Ratio Lower Upper

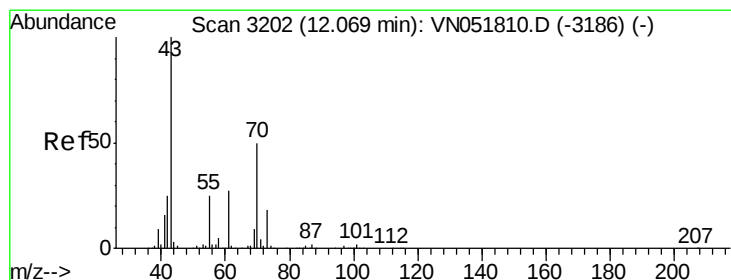
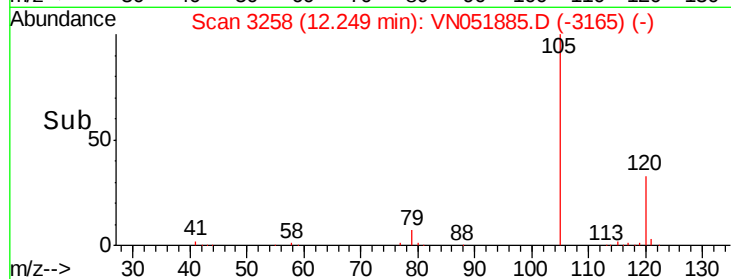
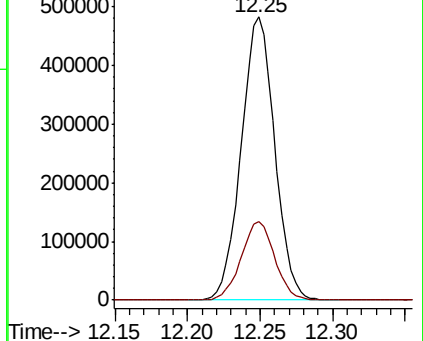
105 100

120 27.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Tgt Ion: 43 Resp: 127330

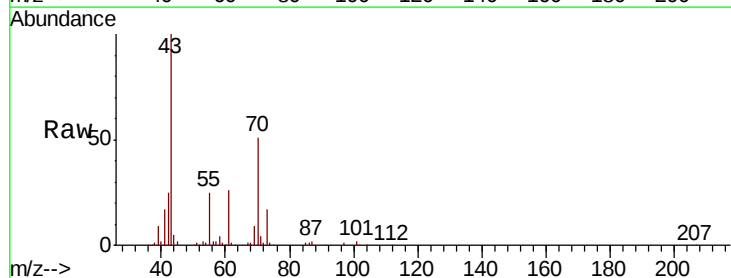
Ion Ratio Lower Upper

43 100

70 49.6 36.2 54.2

55 26.6 21.8 32.8

61 26.3 20.5 30.7

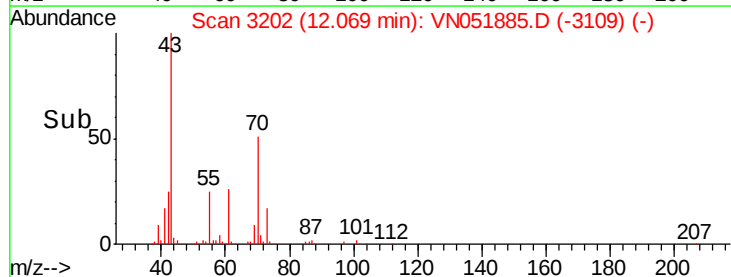
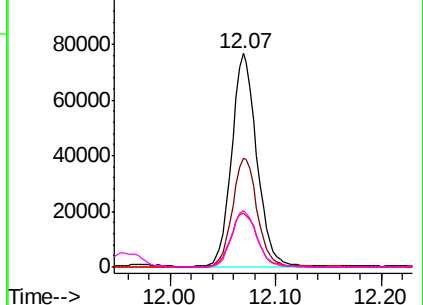


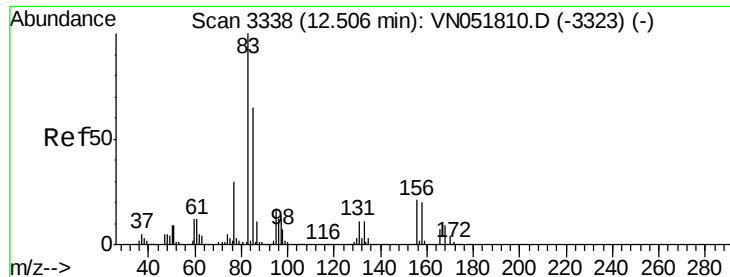
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

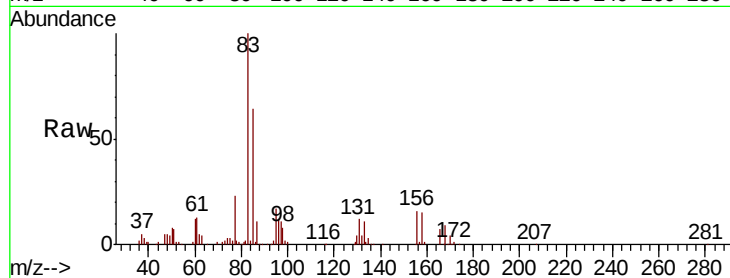
Tgt Ion: 83 Resp: 154313

Ion Ratio Lower Upper

83 100

131 11.9 5.3 15.9

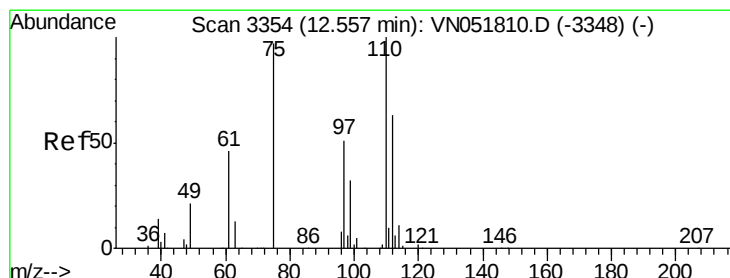
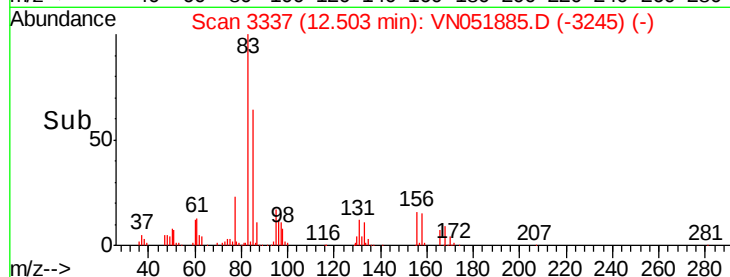
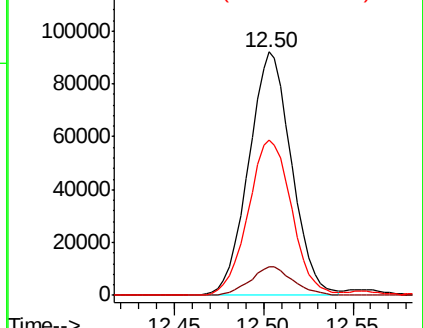
85 64.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN051810.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051810.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051810.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 28.871 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051885.D

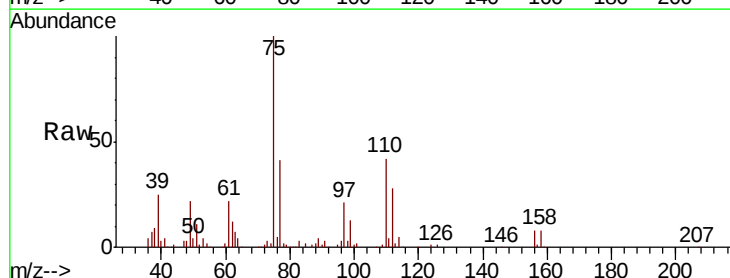
Acq: 16 Oct 2018 10:46

Tgt Ion: 75 Resp: 177369

Ion Ratio Lower Upper

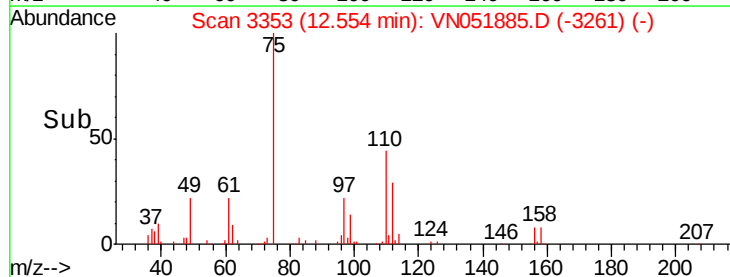
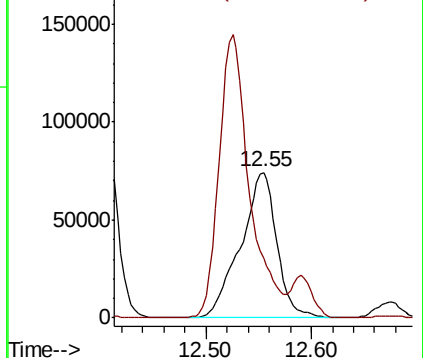
75 100

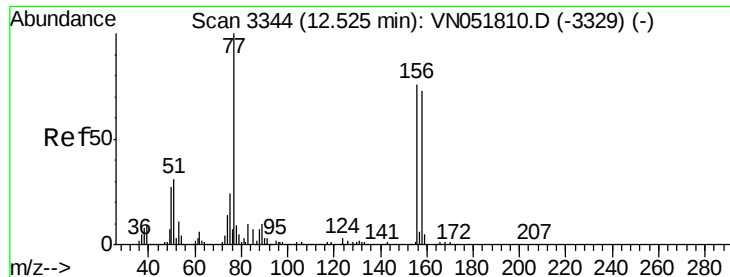
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051810.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051810.D (-3348) (-)





#77

Bromobenzene

Concen: 20.389 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

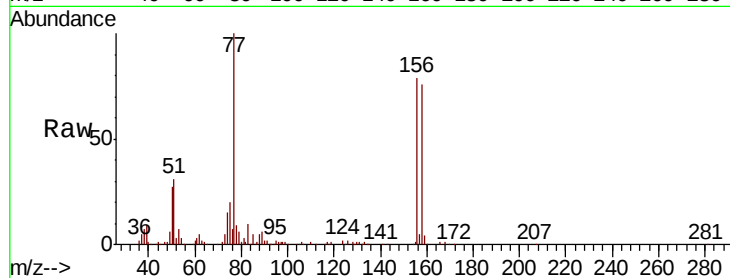
Tgt Ion:156 Resp: 193796

Ion Ratio Lower Upper

156 100

77 148.8 89.9 269.7

158 96.0 49.3 147.9

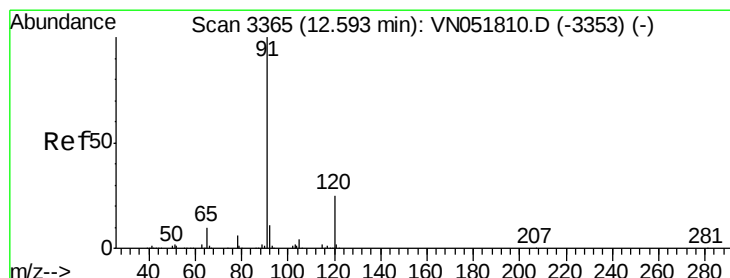
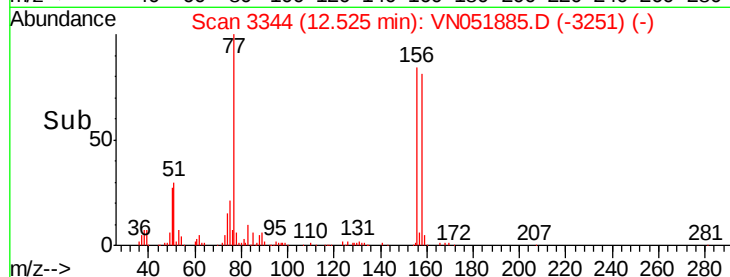
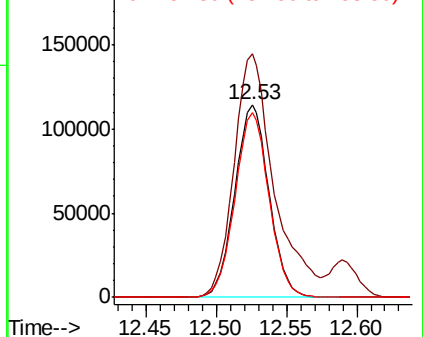


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.351 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051885.D

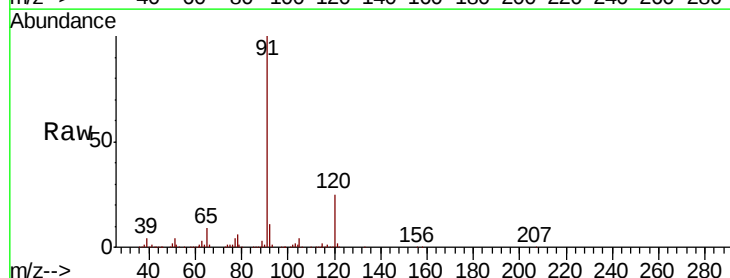
Acq: 16 Oct 2018 10:46

Tgt Ion: 91 Resp: 812413

Ion Ratio Lower Upper

91 100

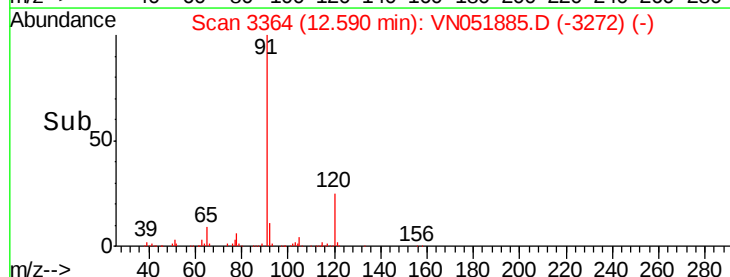
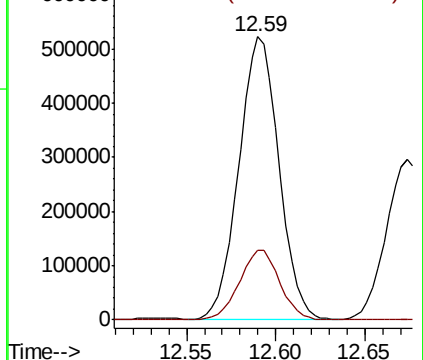
120 24.9 11.7 35.0

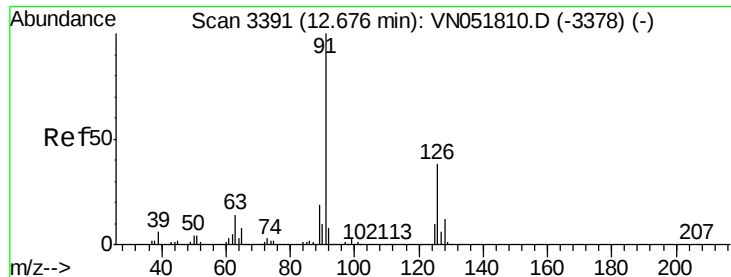


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

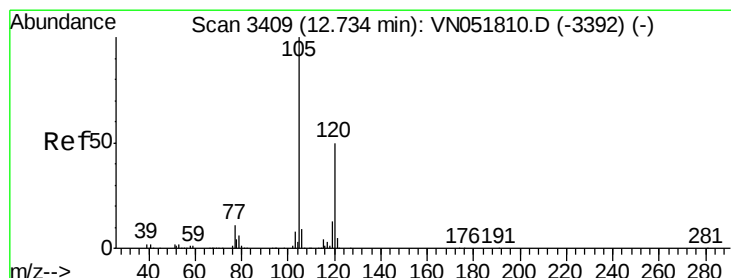
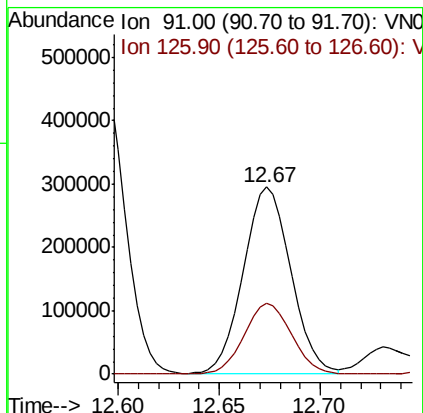
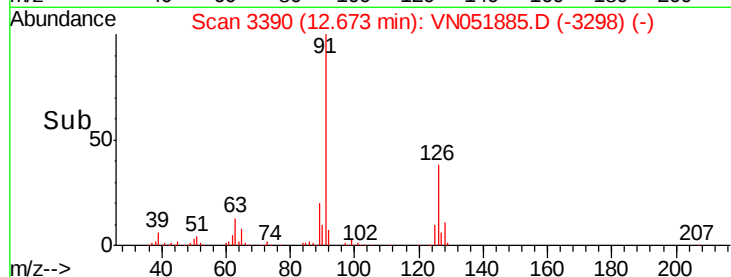
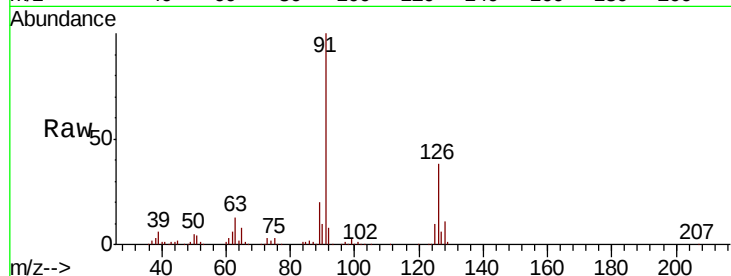
VN1016WBSD01

Tgt Ion: 91 Resp: 485749

Ion Ratio Lower Upper

91 100

126 38.0 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.535 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051885.D

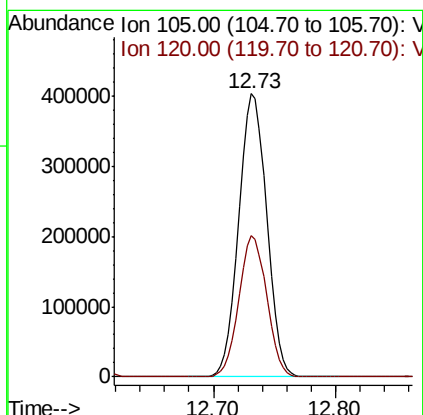
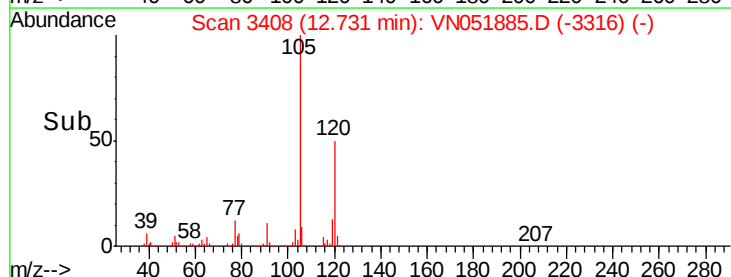
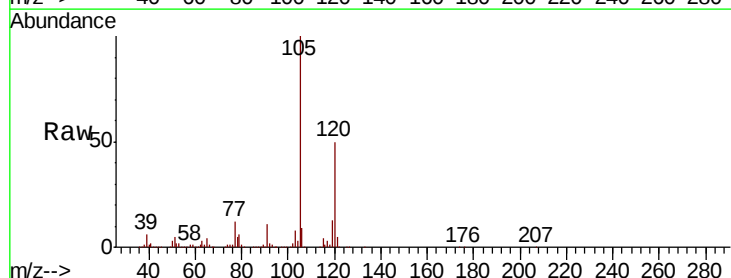
Acq: 16 Oct 2018 10:46

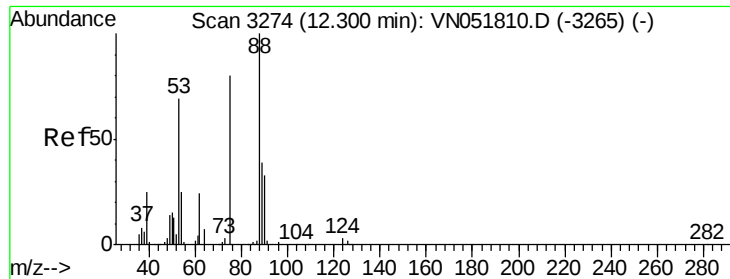
Tgt Ion: 105 Resp: 637881

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.894 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

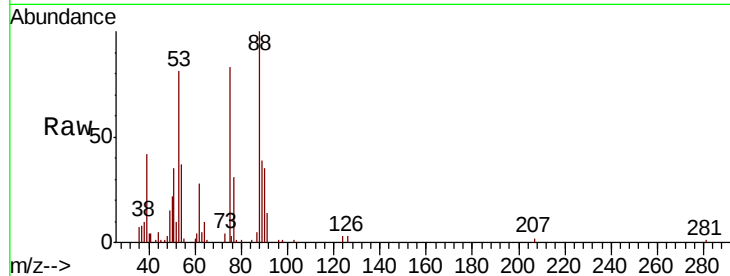
Tgt Ion: 75 Resp: 31998

Ion Ratio Lower Upper

75 100

53 95.2 68.9 103.3

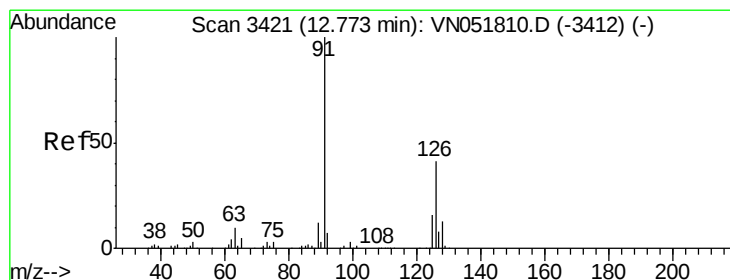
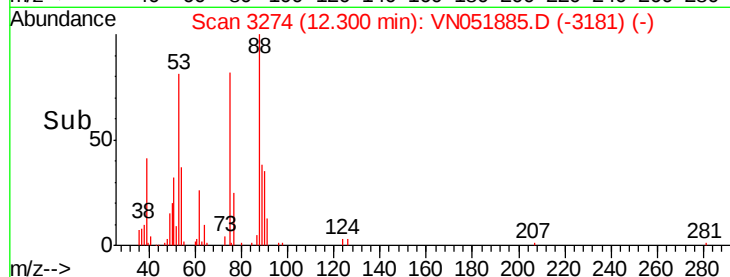
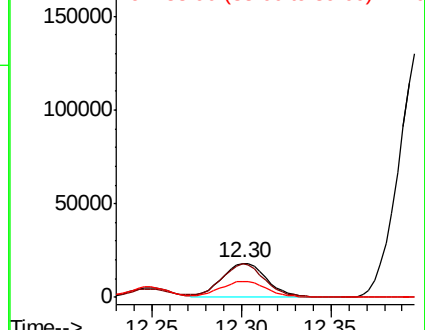
89 49.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.501 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051885.D

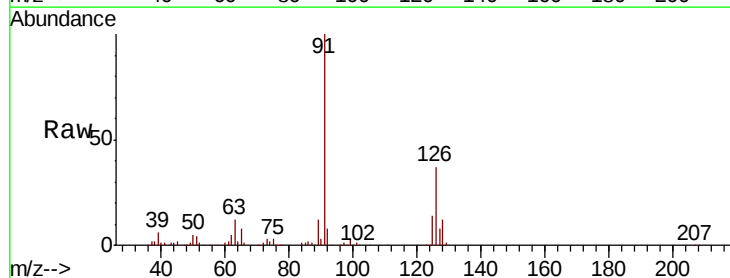
Acq: 16 Oct 2018 10:46

Tgt Ion: 91 Resp: 473729

Ion Ratio Lower Upper

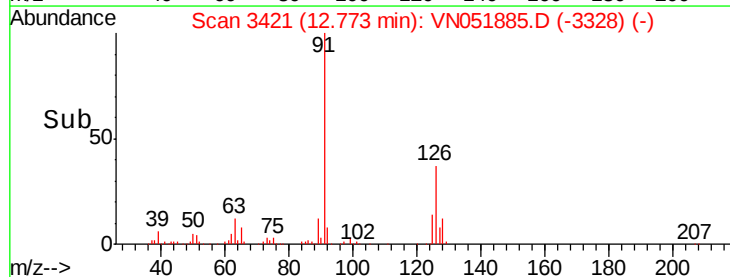
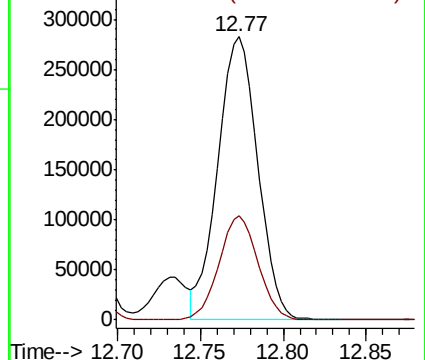
91 100

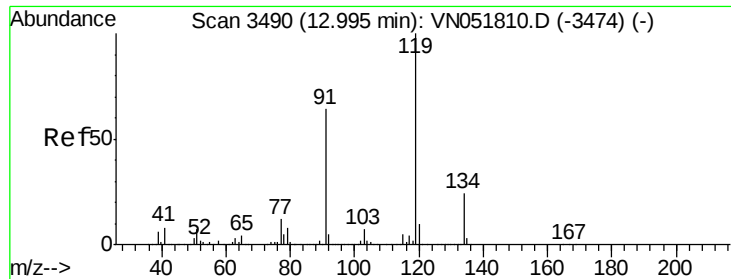
126 35.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

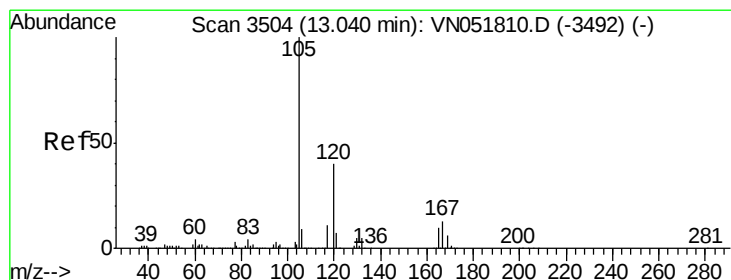
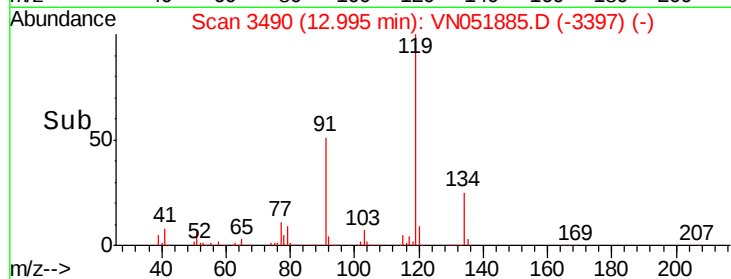
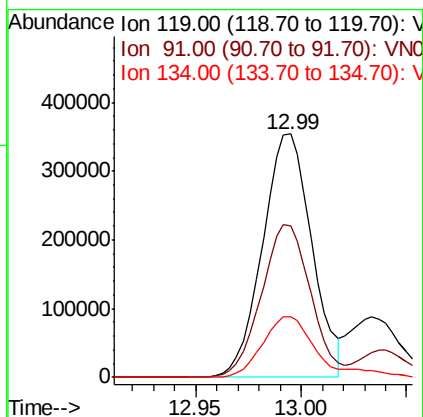
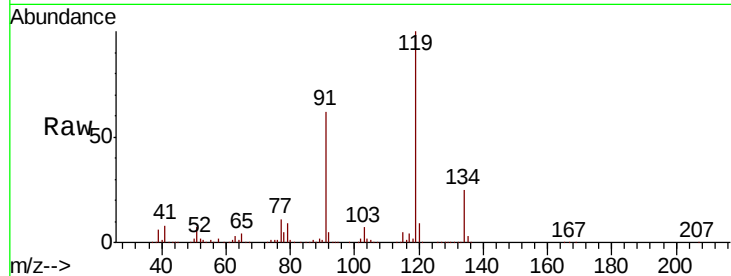




#83
 tert-Butylbenzene
 Concen: 20.045 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

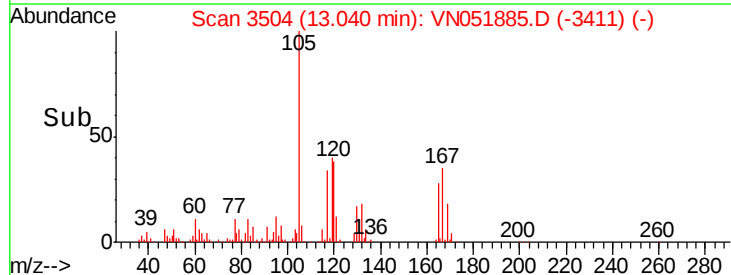
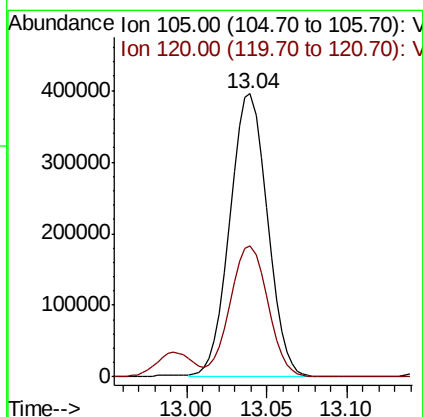
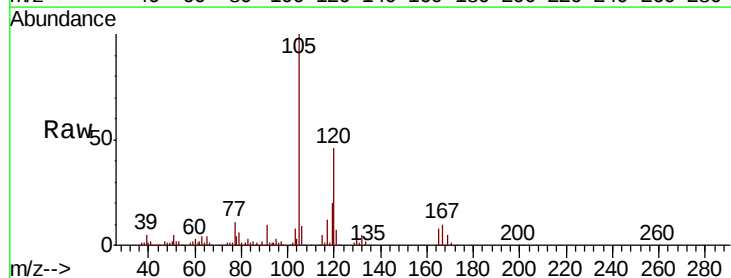
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

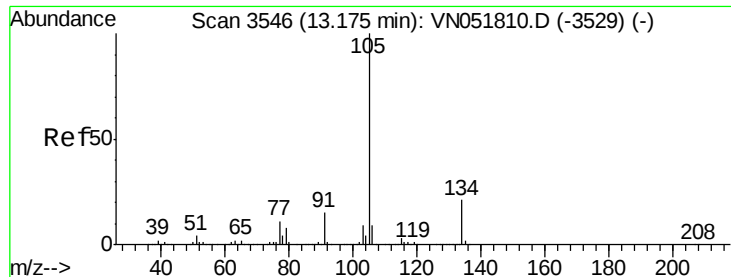
Tgt Ion:119 Resp: 577479
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 94.7
 134 27.6 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.468 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion:105 Resp: 633040
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.219 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

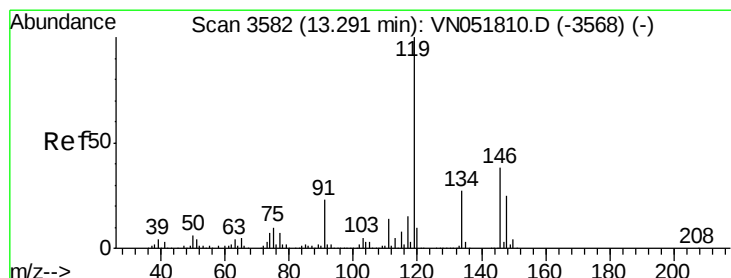
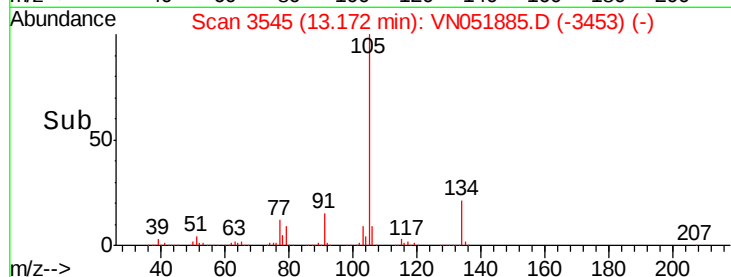
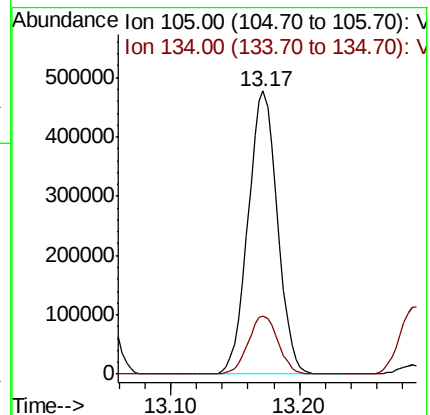
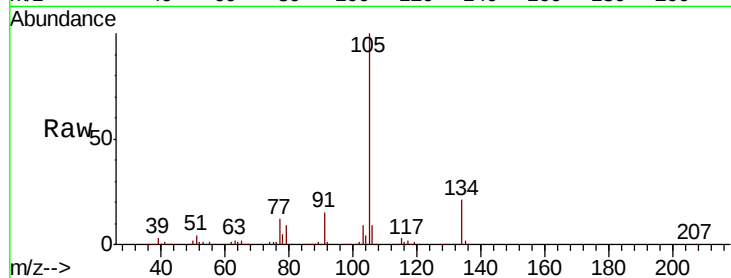
VN1016WBSD01

Tgt Ion:105 Resp: 754626

Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.063 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

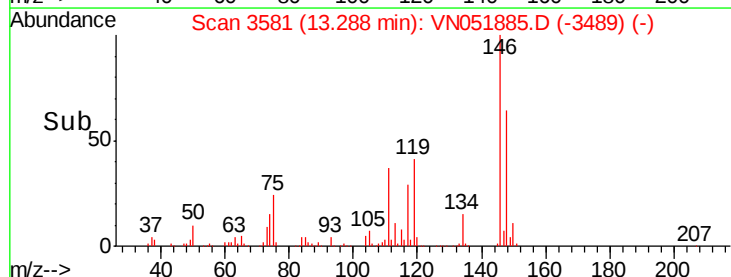
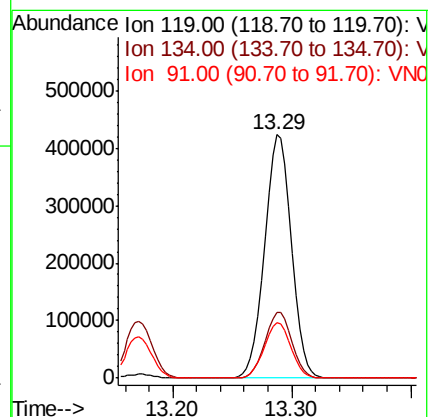
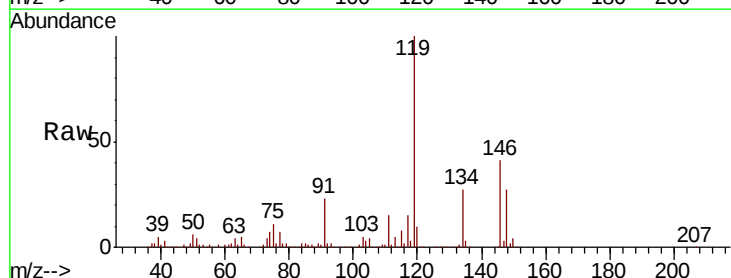
Tgt Ion:119 Resp: 658518

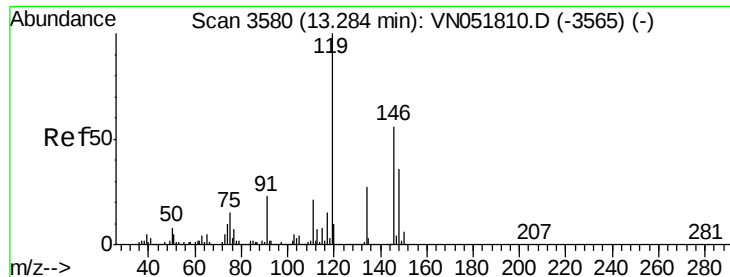
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.728 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

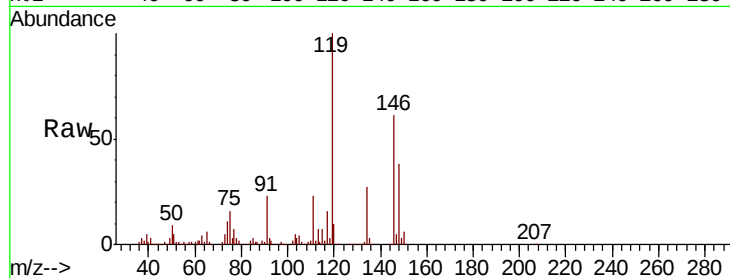
Tgt Ion:146 Resp: 320702

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.3

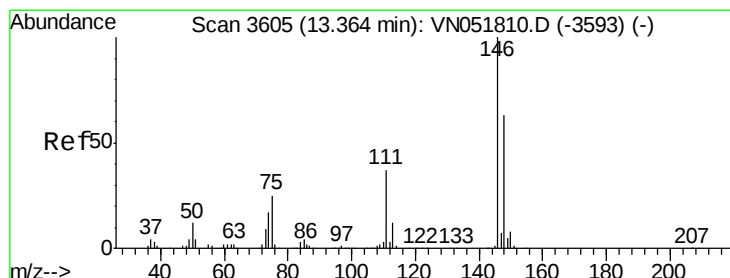
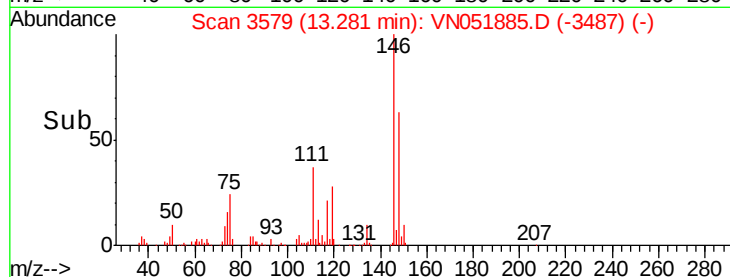
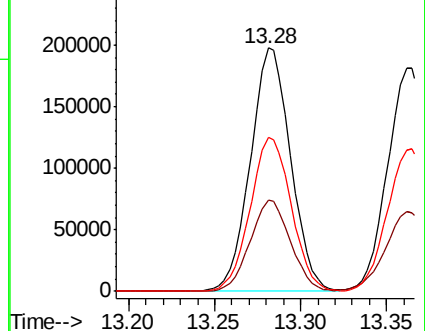
148 64.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.506 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

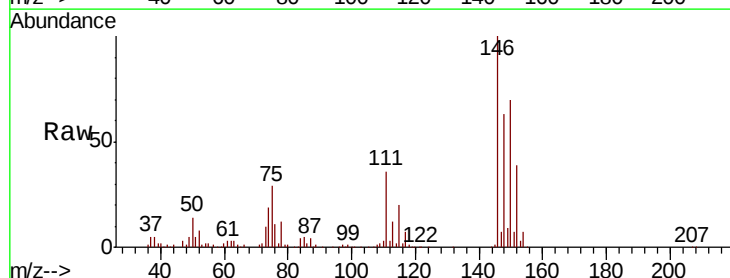
Tgt Ion:146 Resp: 307336

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

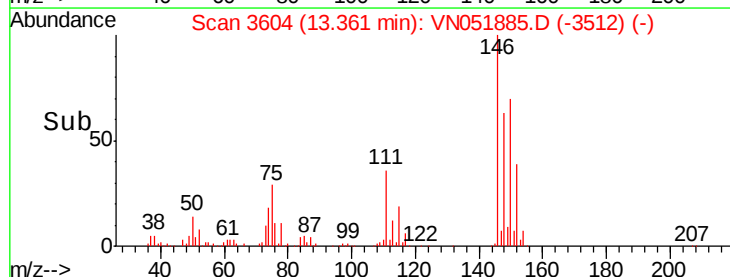
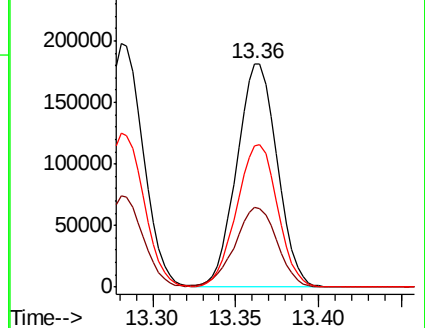
148 64.7 32.2 96.6

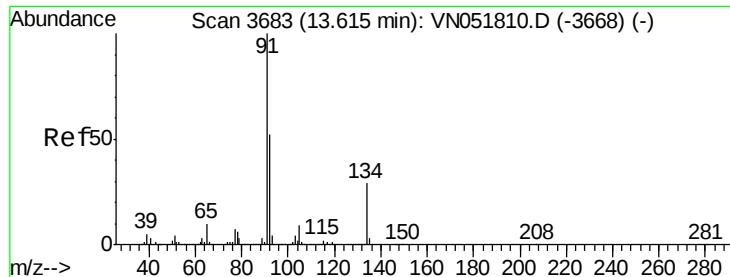


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.654 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051885.D

Acq: 16 Oct 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

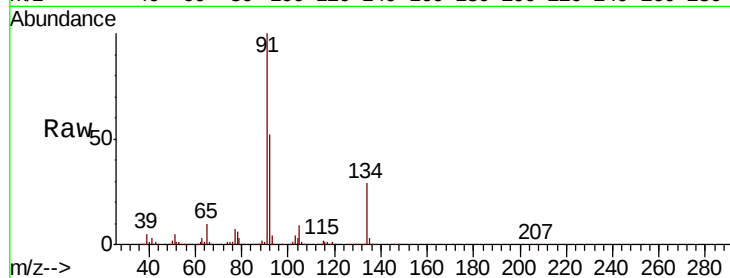
Tgt Ion: 91 Resp: 479599

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

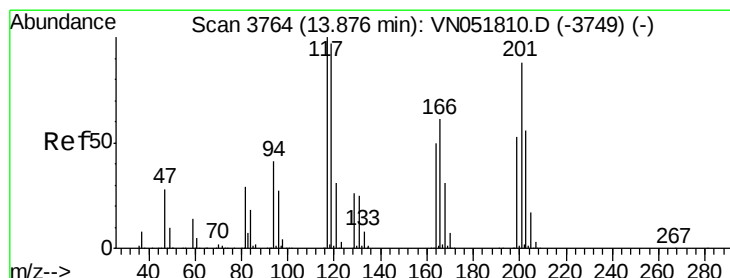
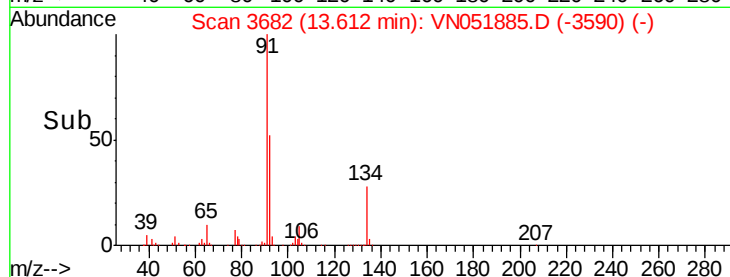
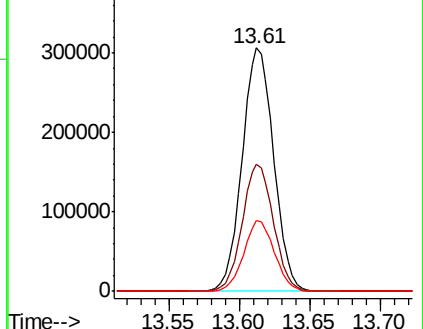
134 28.2 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN051810.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051810.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051810.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.616 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051885.D

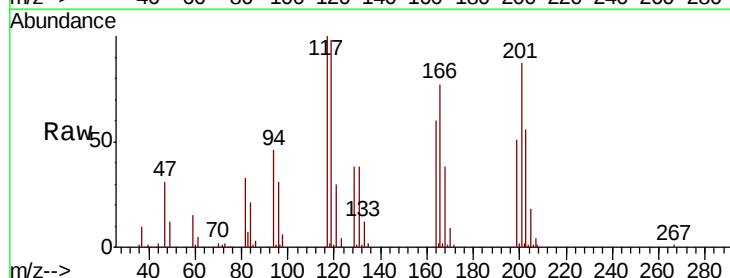
Acq: 16 Oct 2018 10:46

Tgt Ion: 117 Resp: 104943

Ion Ratio Lower Upper

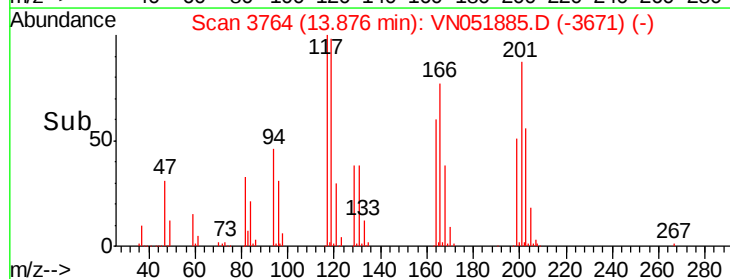
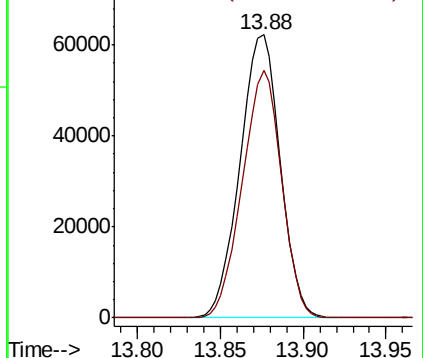
117 100

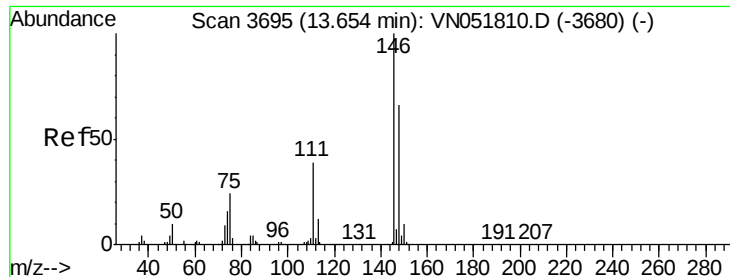
201 85.1 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN051810.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051810.D (-3749) (-)

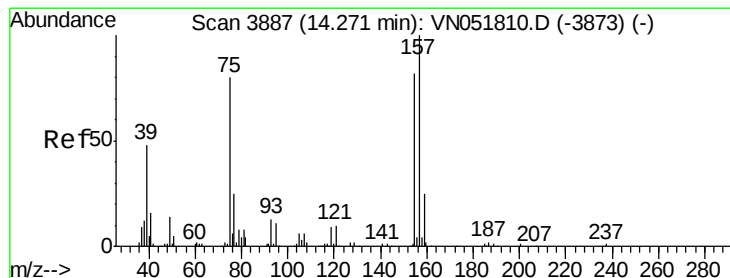
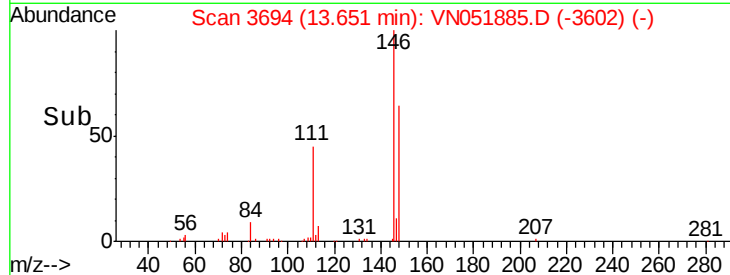
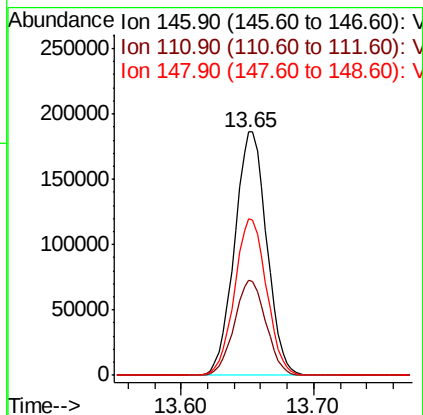
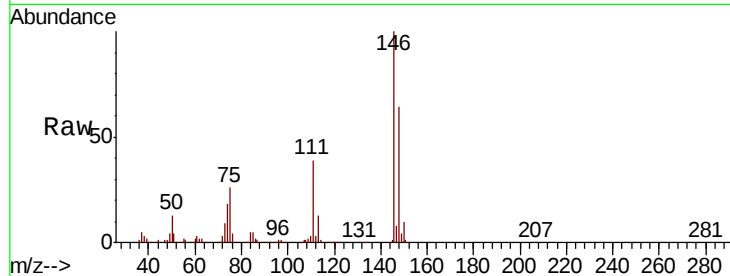




#91
 1,2-Dichlorobenzene
 Concen: 19.931 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

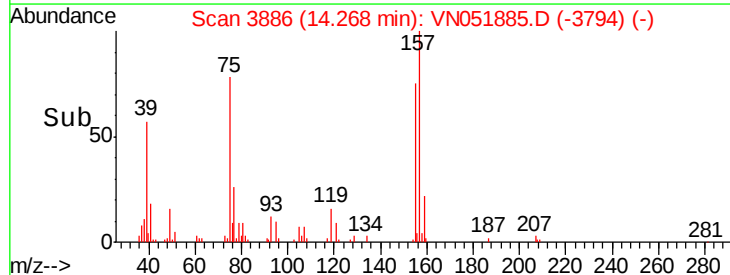
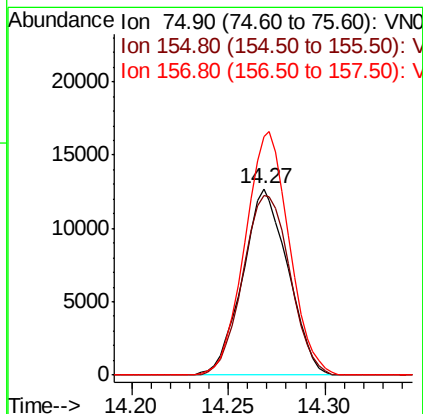
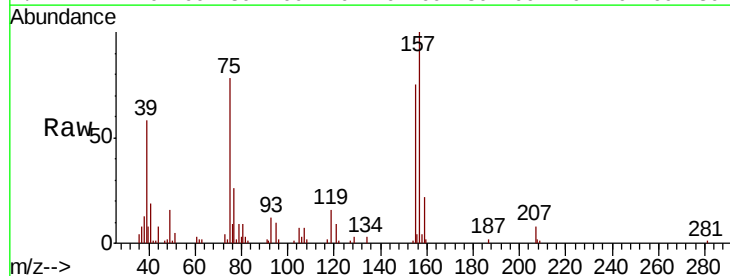
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

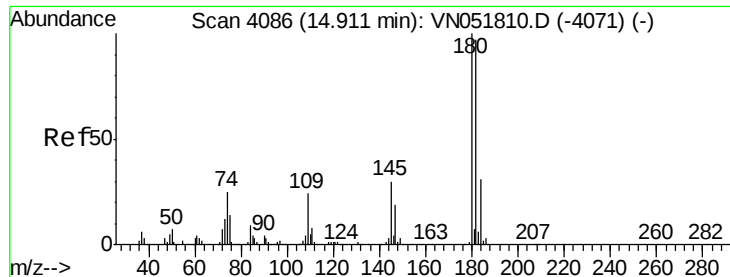
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.8	59.3
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.790 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	46.4	139.1
157	127.6	60.7	182.0

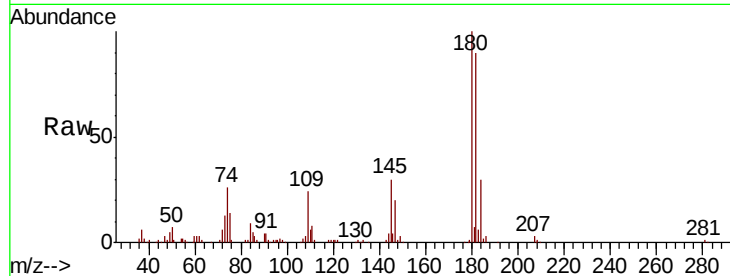




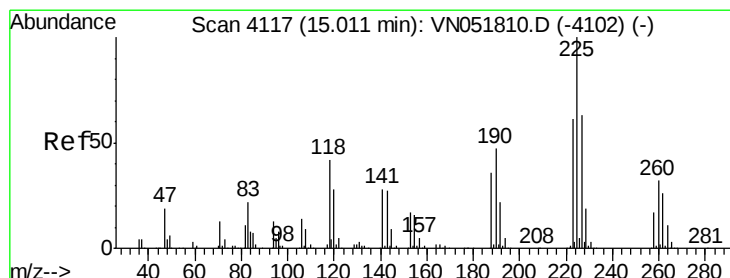
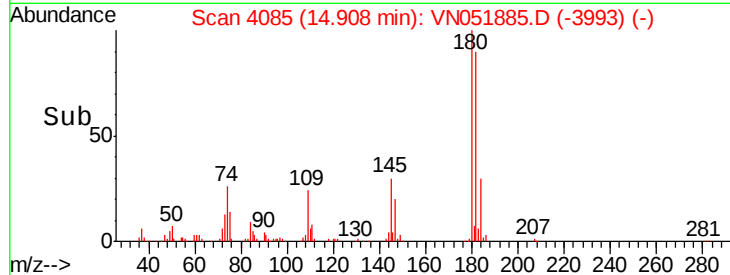
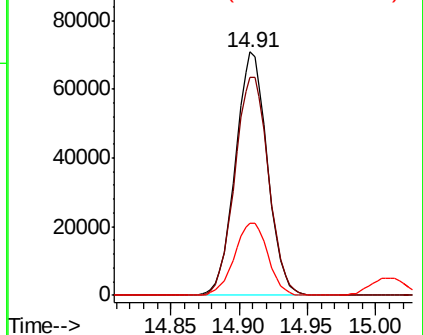
#93
 1,2,4-Trichlorobenzene
 Concen: 16.542 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tgt Ion:180 Resp: 115383
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.2 144.6
 145 30.8 14.1 42.2

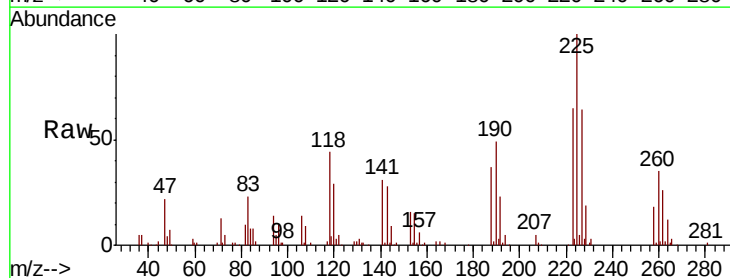


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

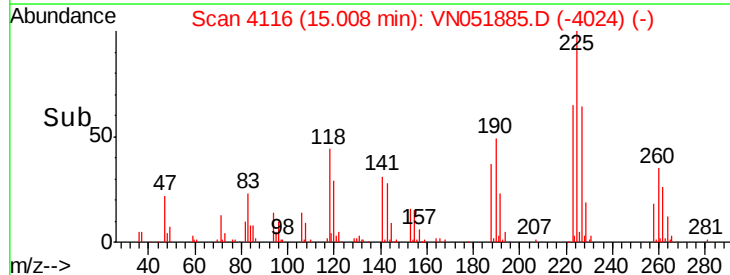
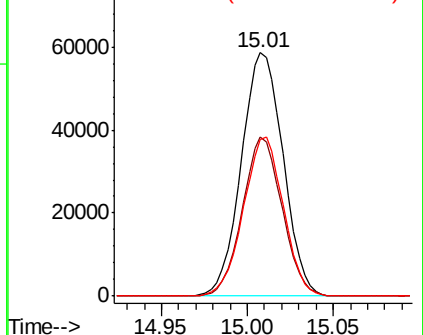


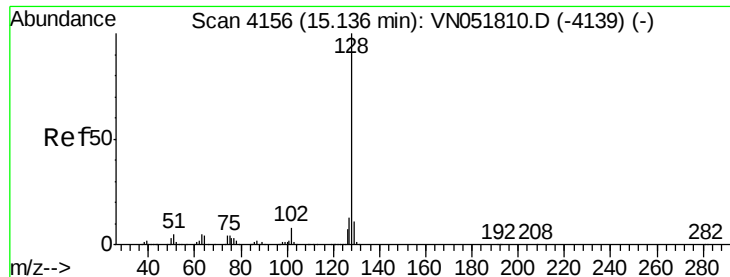
#94
 Hexachlorobutadiene
 Concen: 19.494 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051885.D
 Acq: 16 Oct 2018 10:46

Tgt Ion:225 Resp: 98989
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.8
 227 62.6 32.0 96.2



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

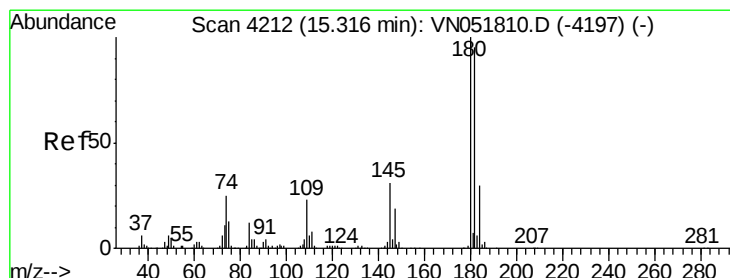
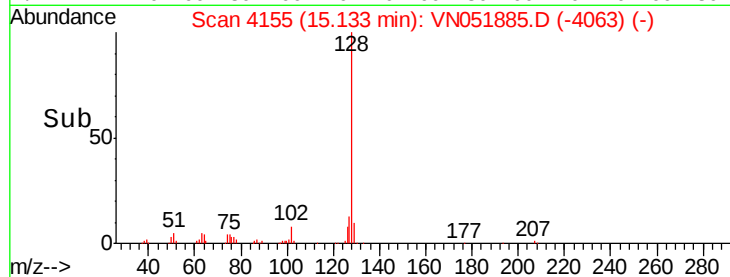
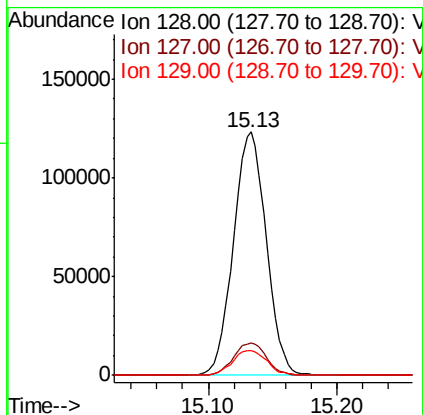
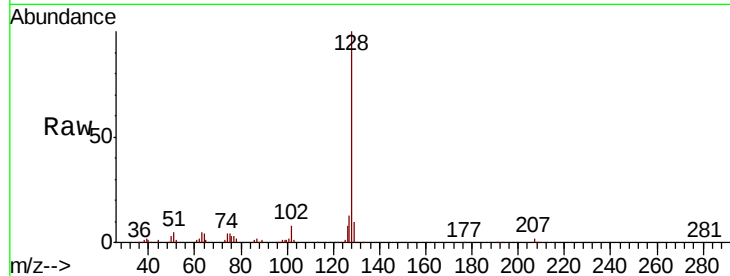




#95
Naphthalene
Concen: 15.311 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.285 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051885.D
Acq: 16 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	31.5	15.2	45.6

