

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051518.D
 Acq On : 26 Sep 2018 6:38
 Operator : MD\SY
 Sample : VN0926WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Quant Time: Sep 26 08:16:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	474794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	707324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	316371	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.59	113	282245	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1029255	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	331233	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80800	18.241	ug/l	98
3) Chloromethane	2.06	50	139176	19.737	ug/l	97
4) Vinyl Chloride	2.19	62	147638	18.970	ug/l	97
5) Bromomethane	2.57	94	76270	16.393	ug/l	100
6) Chloroethane	2.70	64	95285	19.648	ug/l	100
7) Trichlorofluoromethane	3.01	101	208116	20.415	ug/l	99
8) Diethyl Ether	3.41	74	60244	17.020	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	104729	18.204	ug/l	97
10) Methyl Iodide	3.96	142	102701	13.640	ug/l	98
11) Tert butyl alcohol	4.79	59	34421	102.544	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	92824	17.572	ug/l	96
13) Acrolein	3.61	56	24213	72.641	ug/l	100
14) Allyl chloride	4.32	41	150687	17.002	ug/l	97
15) Acrylonitrile	4.99	53	183597	100.546	ug/l	98
16) Acetone	3.82	43	127406	80.038	ug/l	97
17) Carbon Disulfide	4.05	76	260987	16.816	ug/l	100
18) Methyl Acetate	4.33	43	100219	22.125	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	265643	19.501	ug/l	99
20) Methylene Chloride	4.55	84	116668	19.823	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	101670	18.814	ug/l	96
22) Diisopropyl ether	5.96	45	364822	21.295	ug/l	100
23) Vinyl Acetate	5.90	43	1110614	98.742	ug/l	98
24) 1,1-Dichloroethane	5.85	63	211864	20.726	ug/l	98
25) 2-Butanone	6.84	43	199222	97.863	ug/l	93
26) 2,2-Dichloropropane	6.83	77	118227	14.817	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	115721	19.516	ug/l	99
28) Bromochloromethane	7.20	49	108069	22.894	ug/l	99
29) Tetrahydrofuran	7.22	42	135005	104.650	ug/l	98
30) Chloroform	7.37	83	211661	20.897	ug/l	99
31) Cyclohexane	7.65	56	169350	18.083	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	179738	20.757	ug/l	99
36) 1,1-Dichloropropene	7.80	75	149688	18.275	ug/l	99
37) Ethyl Acetate	6.94	43	95192	20.213	ug/l	98
38) Carbon Tetrachloride	7.78	117	159617	18.631	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	158777	16.582	ug/l	94
40) Benzene	8.04	78	460327	19.140	ug/l	100
41) Methacrylonitrile	7.18	41	45878	17.608	ug/l	97
42) 1,2-Dichloroethane	8.13	62	152126	19.754	ug/l	99
43) Isopropyl Acetate	8.17	43	176049	20.673	ug/l #	90
44) Trichloroethene	8.84	130	117935	18.462	ug/l	98
45) 1,2-Dichloropropane	9.12	63	128534	19.661	ug/l	98
46) Dibromomethane	9.21	93	72391	19.597	ug/l	98
47) Bromodichloromethane	9.40	83	160232	19.601	ug/l	99
48) Methyl methacrylate	9.20	41	81787	19.263	ug/l	97
49) 1,4-Dioxane	9.20	88	20371	391.489	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	465611	99.415	ug/l	99
52) Toluene	10.16	92	277416	18.561	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	141552	17.152	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	169552	17.716	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104457	19.775	ug/l	99
56) Ethyl methacrylate	10.43	69	117899	18.255	ug/l	98
57) 1,3-Dichloropropane	10.71	76	175640	19.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	302040	99.747	ug/l	98
59) 2-Hexanone	10.75	43	287667	94.748	ug/l	97
60) Dibromochloromethane	10.90	129	116480	18.689	ug/l	100
61) 1,2-Dibromoethane	11.01	107	98839	19.275	ug/l	99
64) Tetrachloroethene	10.63	164	114383	19.922	ug/l	97
65) Chlorobenzene	11.43	112	303059	18.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	118110	19.099	ug/l	98
67) Ethyl Benzene	11.51	91	485012	17.731	ug/l	99
68) m/p-Xylenes	11.62	106	386352	36.514	ug/l	100
69) o-Xylene	11.95	106	183703	18.060	ug/l	97
70) Styrene	11.96	104	292223	18.130	ug/l	99
71) Bromoform	12.13	173	76851	18.315	ug/l #	98
73) Isopropylbenzene	12.25	105	491292	18.682	ug/l	99
74) N-amyl acetate	12.07	43	130342	19.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	129598	21.133	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	147911	28.586	ug/l #	100
77) Bromobenzene	12.53	156	127549	19.159	ug/l	97
78) n-propylbenzene	12.59	91	557638	18.814	ug/l	98
79) 2-Chlorotoluene	12.67	91	341602	19.255	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	417206	19.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	27686	16.453	ug/l	100
82) 4-Chlorotoluene	12.77	91	340102	19.207	ug/l	98
83) tert-Butylbenzene	12.99	119	350636	18.371	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	419607	19.419	ug/l	99
85) sec-Butylbenzene	13.17	105	490207	18.985	ug/l	99
86) p-Isopropyltoluene	13.29	119	412145	18.446	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	217179	18.851	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	208321	18.793	ug/l	100
89) n-Butylbenzene	13.62	91	319917	17.413	ug/l	99
90) Hexachloroethane	13.88	117	83771	18.818	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	216971	19.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17886	20.437	ug/l	99

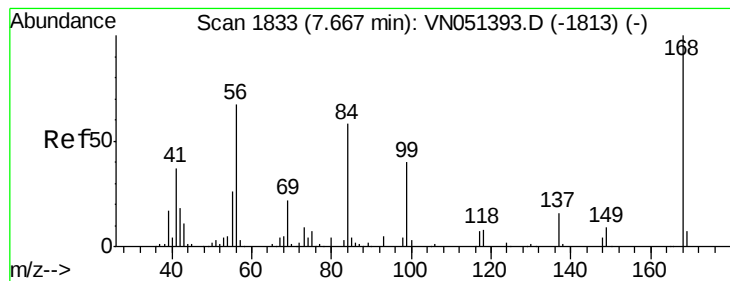
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90512	19.204	ug/l	98
94) Hexachlorobutadiene	15.01	225	79464	18.789	ug/l	97
95) Naphthalene	15.13	128	160004	19.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	95712	17.842	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

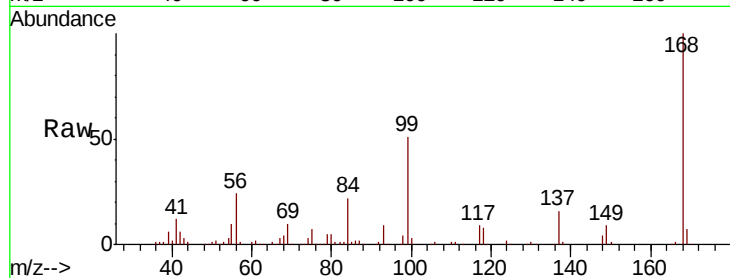
VN0926WBSD02

Tot Ion:168 Resp: 474794

Ion Ratio Lower Upper

168 100

99 50.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

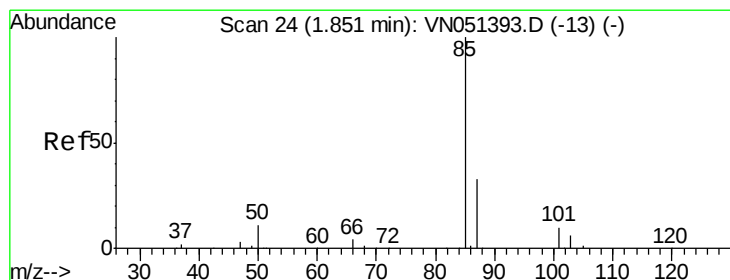
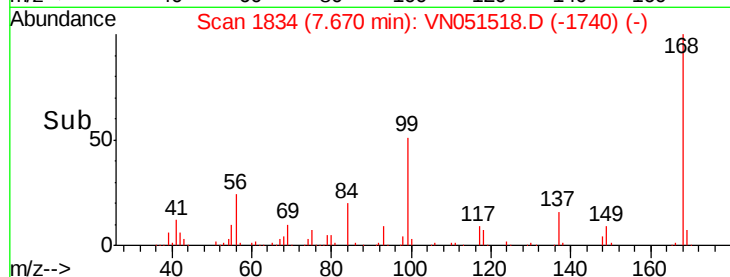
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051518.D

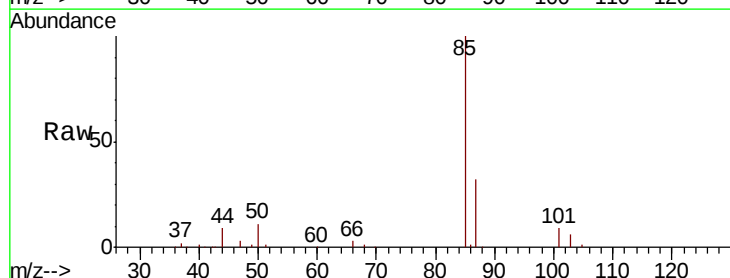
Acq: 26 Sep 2018 6:38

Tgt Ion: 85 Resp: 80800

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

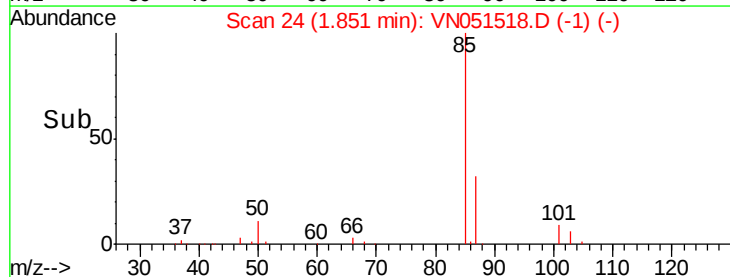
40000

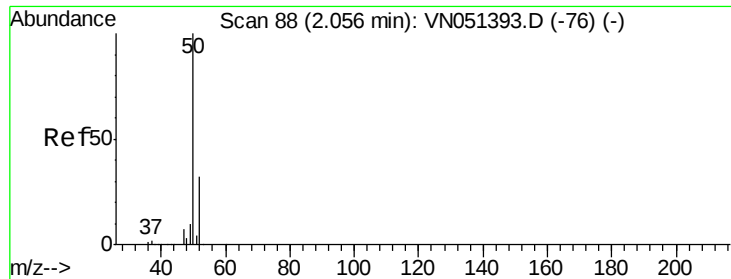
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.737 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

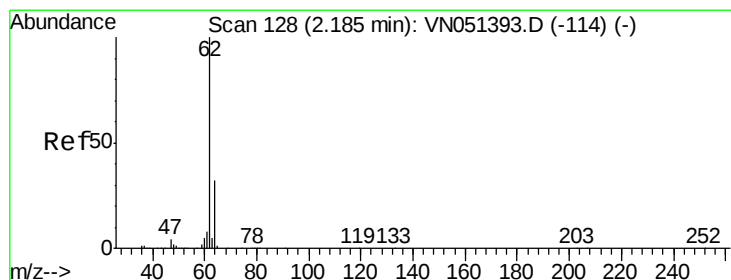
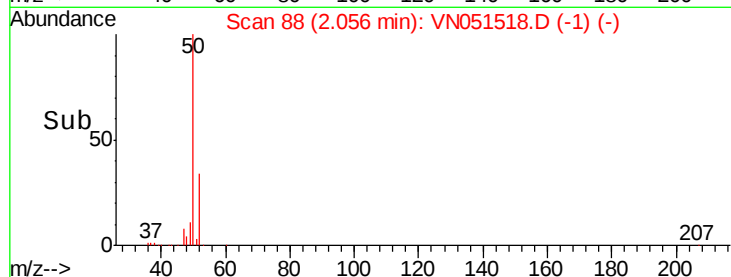
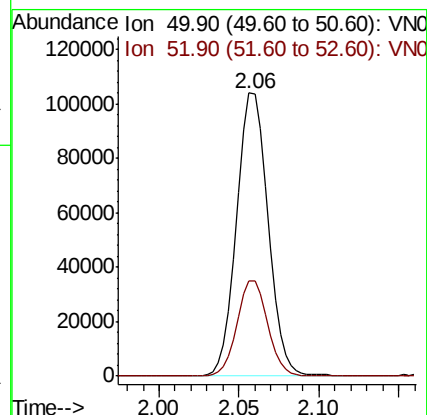
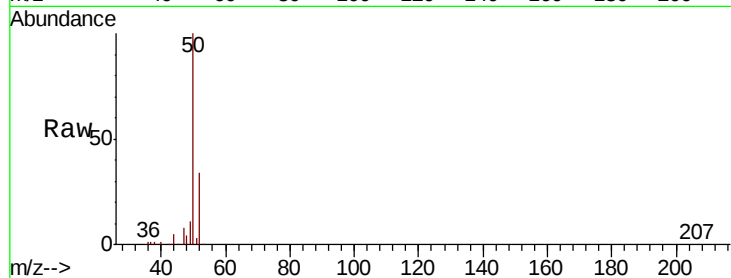
VN0926WBSD02

Tot Ion: 50 Resp: 139176

Ion Ratio Lower Upper

50 100

52 33.8 25.7 38.5



#4

Vinyl Chloride

Concen: 18.970 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051518.D

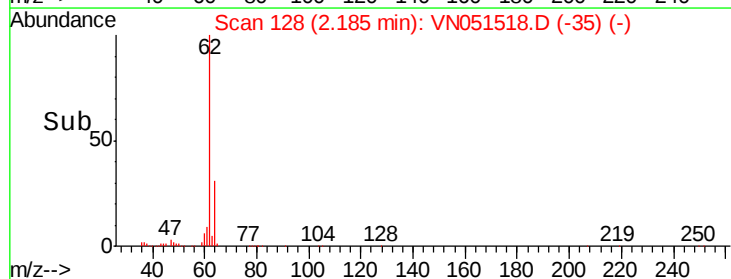
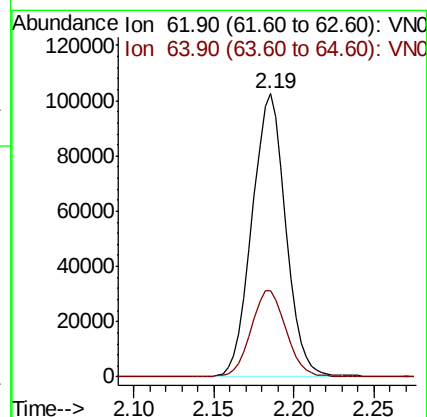
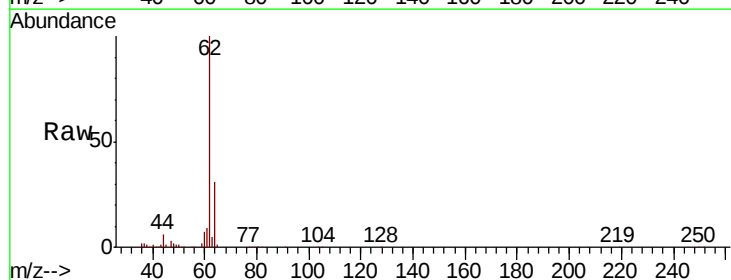
Acq: 26 Sep 2018 6:38

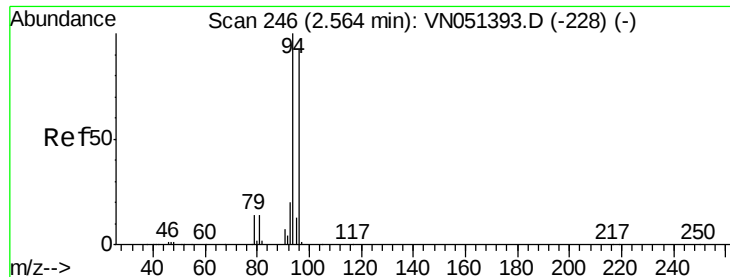
Tgt Ion: 62 Resp: 147638

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8





#5

Bromomethane

Concen: 16.393 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

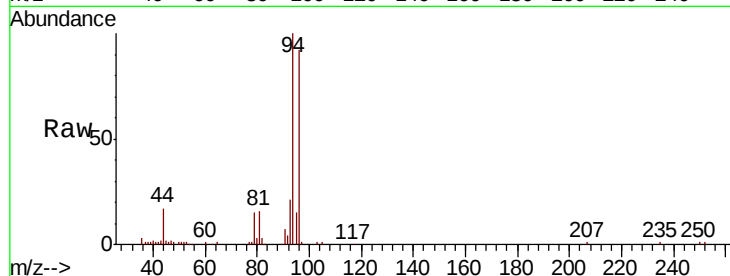
VN0926WBSD02

Tot Ion: 94 Resp: 76270

Ion Ratio Lower Upper

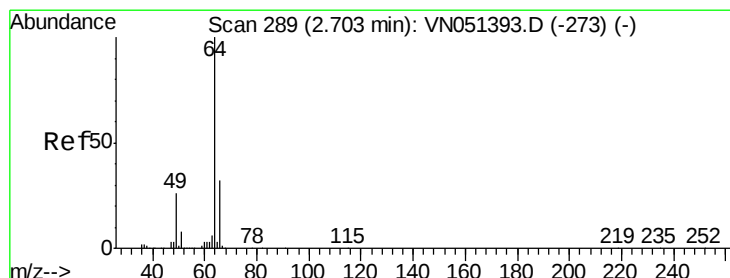
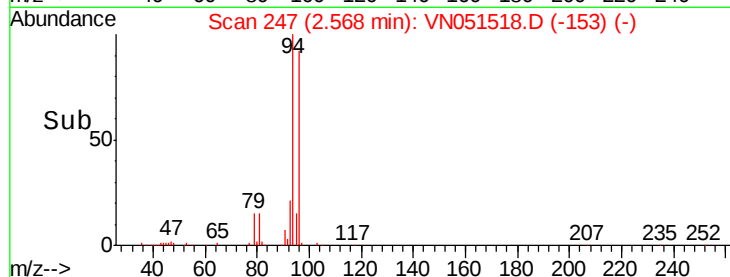
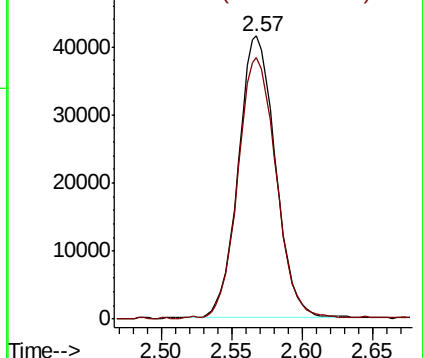
94 100

96 91.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.648 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051518.D

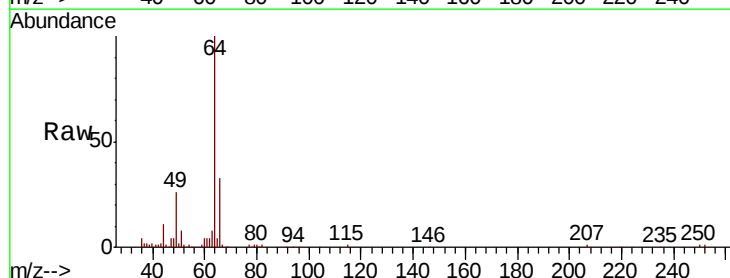
Acq: 26 Sep 2018 6:38

Tgt Ion: 64 Resp: 95285

Ion Ratio Lower Upper

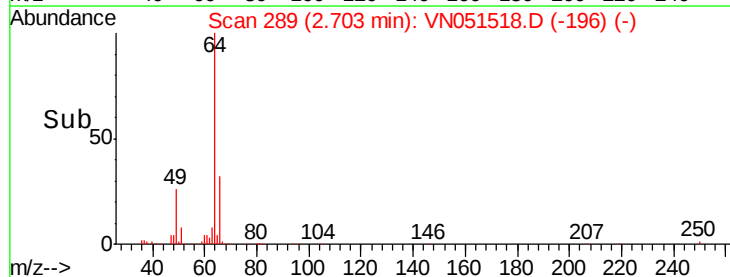
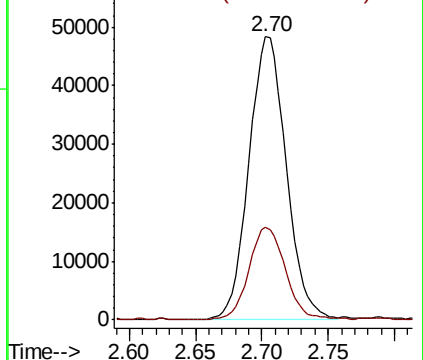
64 100

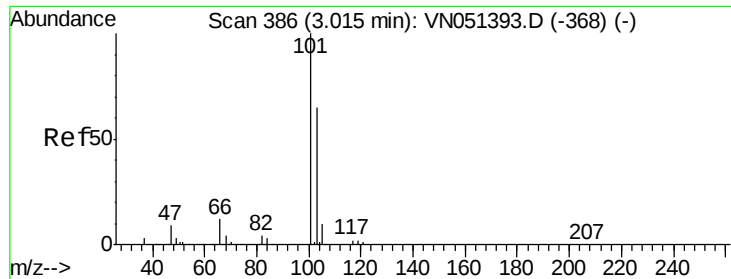
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



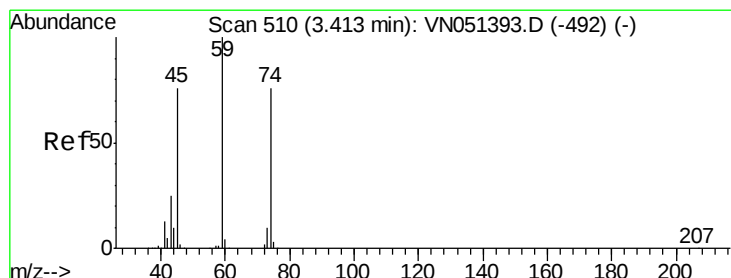
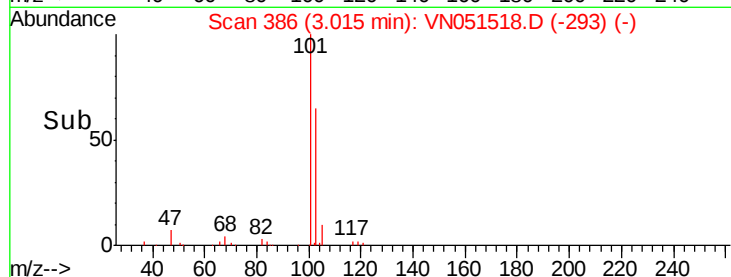
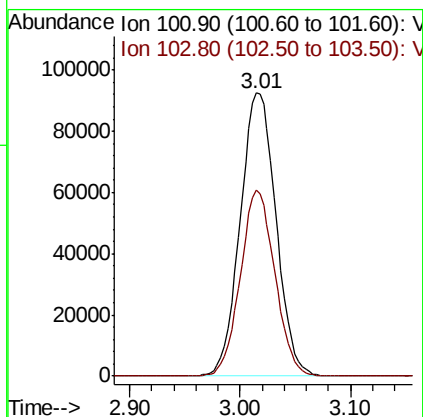
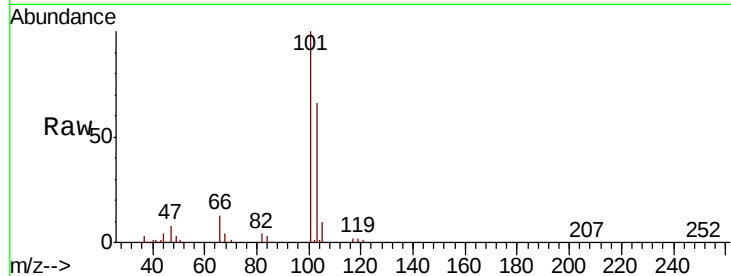


#7

Trichlorofluoromethane
 Concen: 20.415 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
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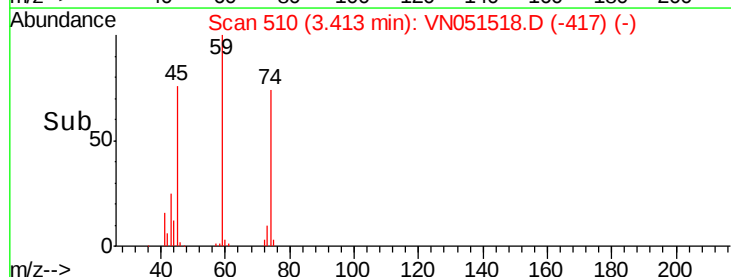
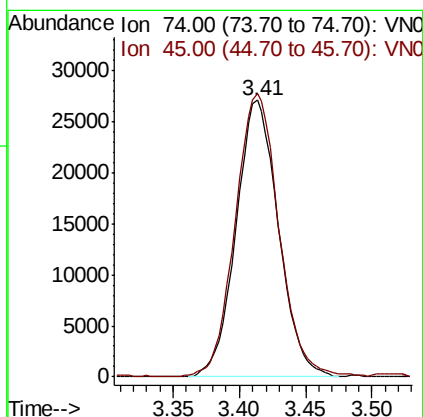
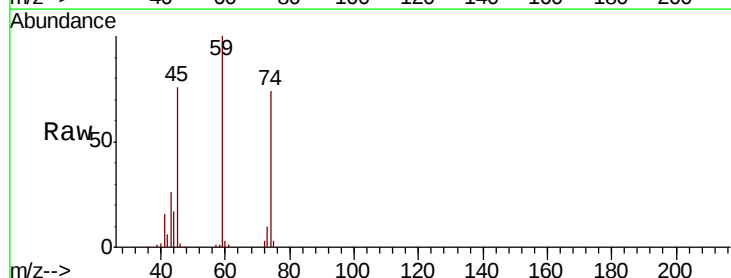
Tot Ion:101 Resp: 208116
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8

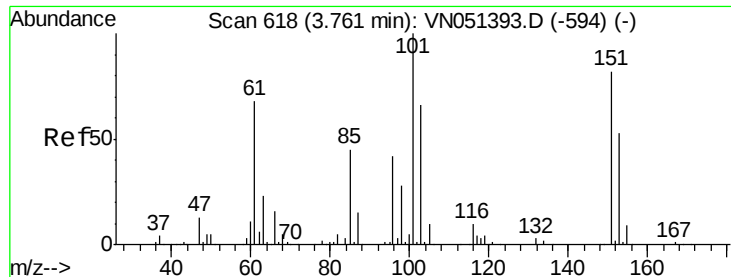


#8

Diethyl Ether
 Concen: 17.020 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 74 Resp: 60244
 Ion Ratio Lower Upper
 74 100
 45 105.5 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.204 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

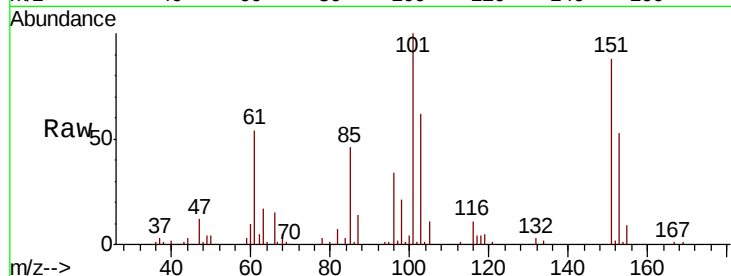
Tot Ion:101 Resp: 104729

Ion Ratio Lower Upper

101 100

85 44.5 33.9 50.9

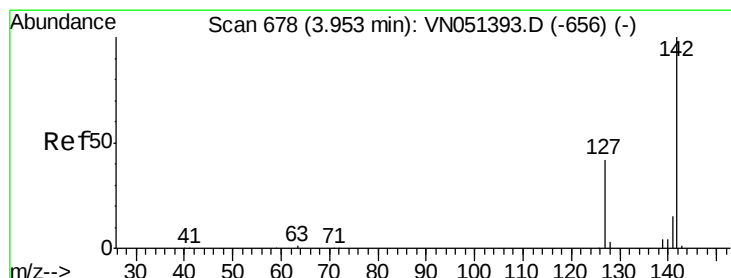
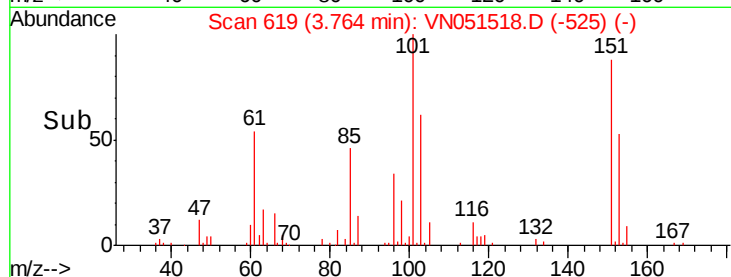
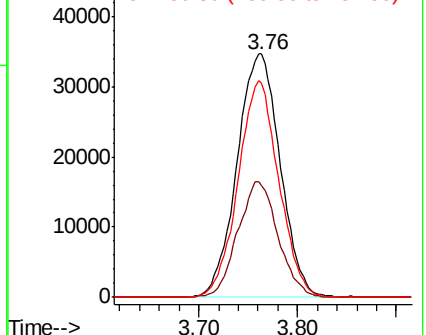
151 84.0 65.2 97.8



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: 13.640 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

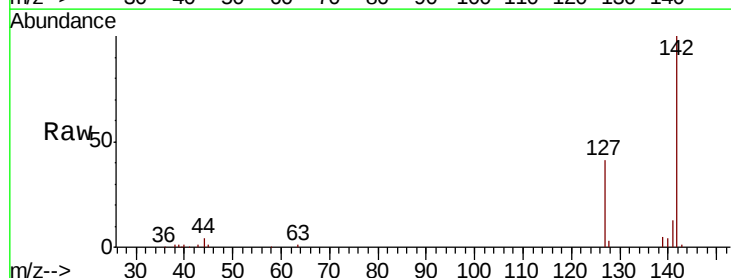
Tgt Ion:142 Resp: 102701

Ion Ratio Lower Upper

142 100

127 43.5 33.2 49.8

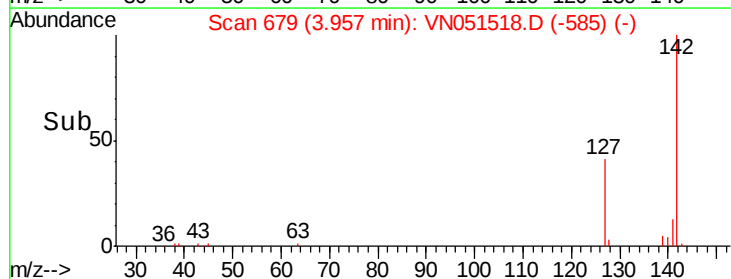
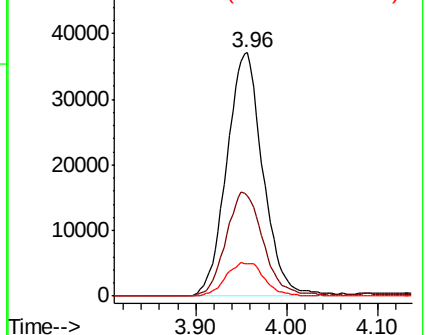
141 14.4 11.5 17.3

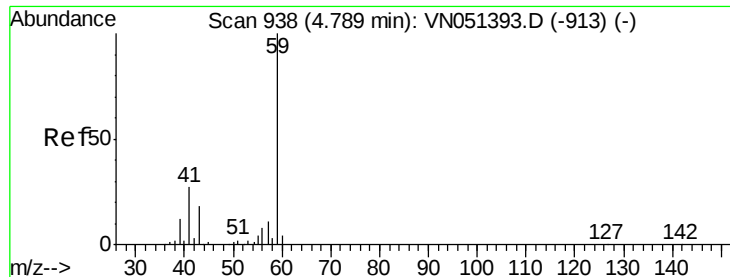


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



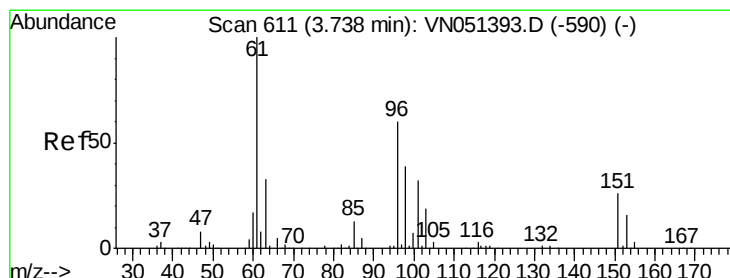
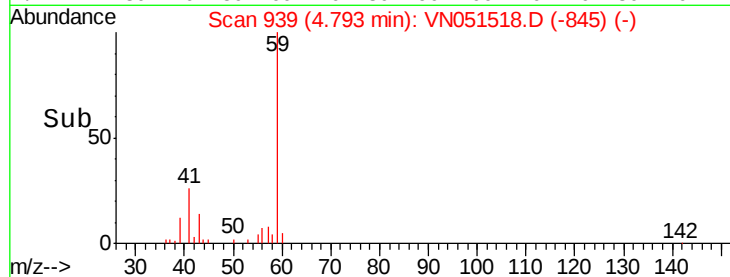
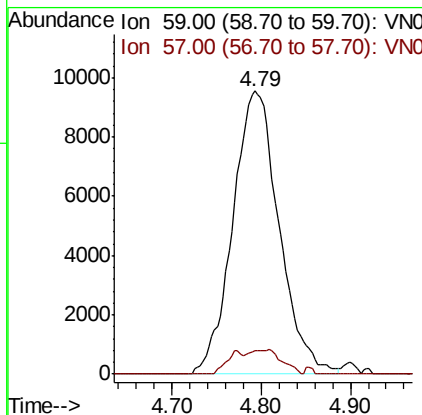
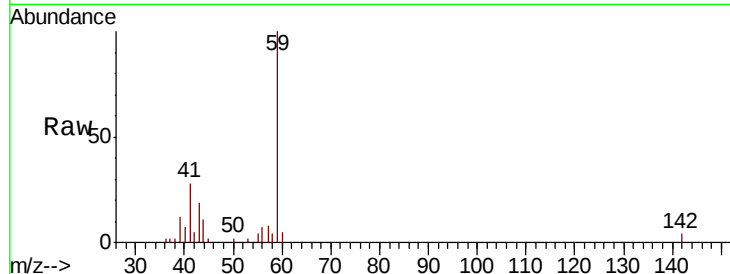


#11

Tert butyl alcohol
Concen: 102.544 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD02

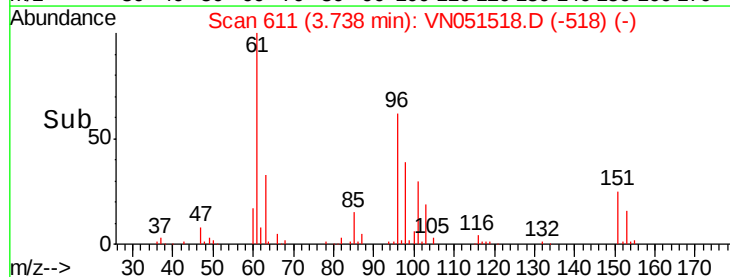
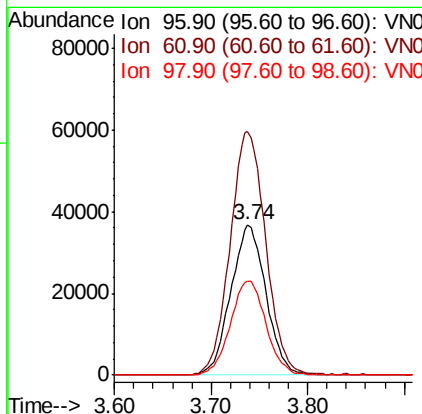
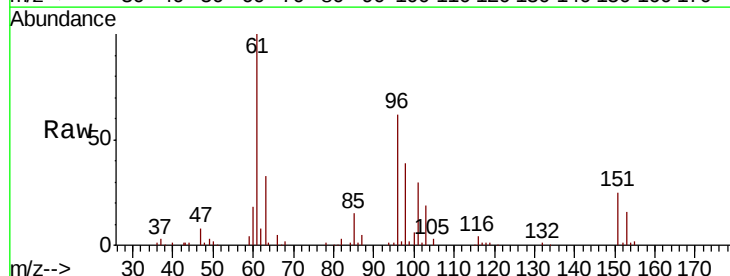
Tot Ion: 59 Resp: 34421
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#

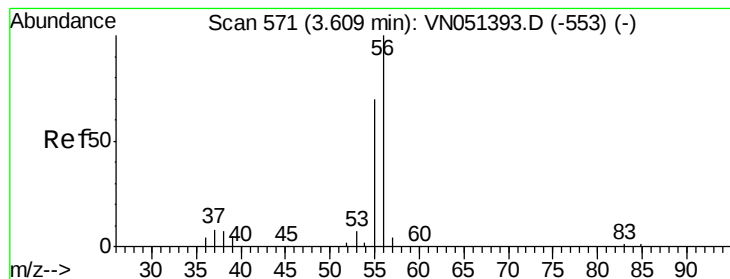


#12

1,1-Dichloroethene
Concen: 17.572 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 96 Resp: 92824
Ion Ratio Lower Upper
96 100
61 161.3 133.6 200.4
98 62.7 52.2 78.2





#13

Acrolein

Concen: 72.641 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

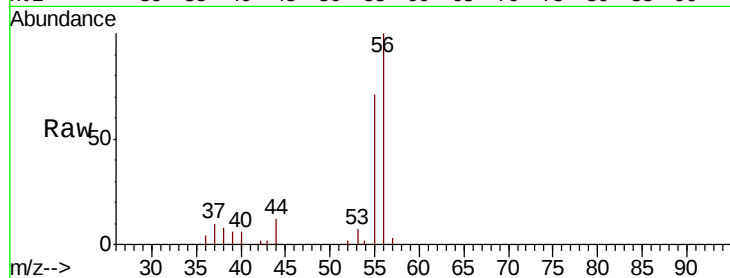
VN0926WBSD02

Tot Ion: 56 Resp: 24213

Ion Ratio Lower Upper

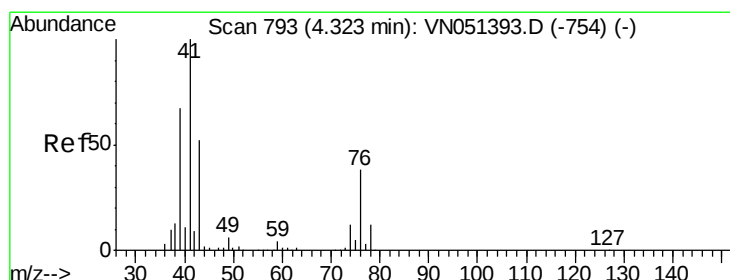
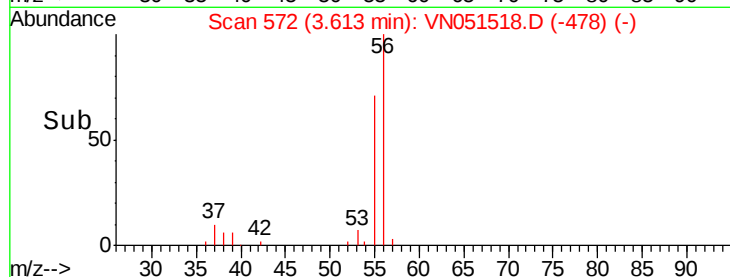
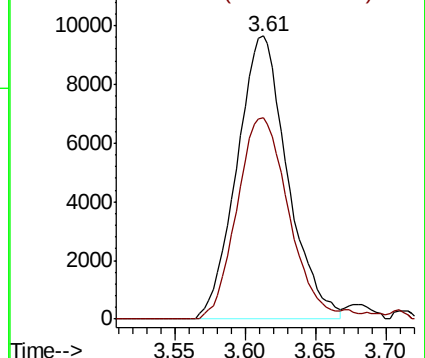
56 100

55 72.1 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.002 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

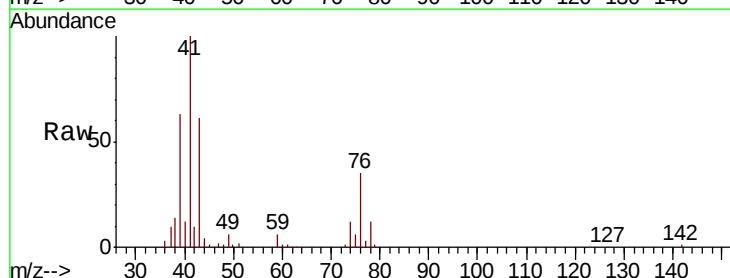
Tgt Ion: 41 Resp: 150687

Ion Ratio Lower Upper

41 100

39 68.0 51.4 77.2

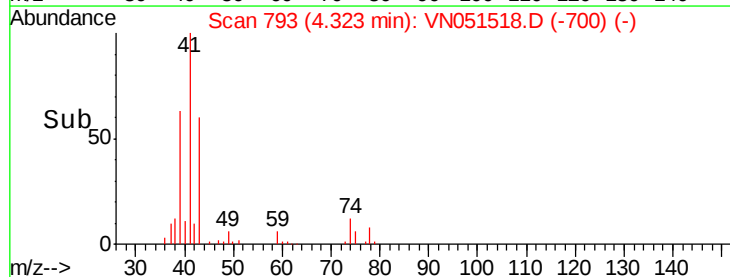
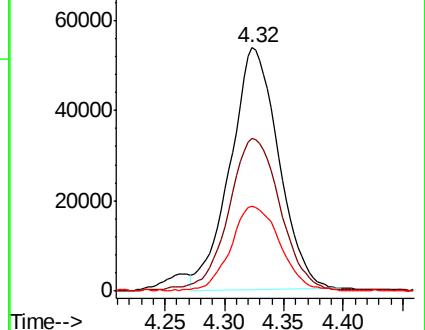
76 35.2 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.546 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

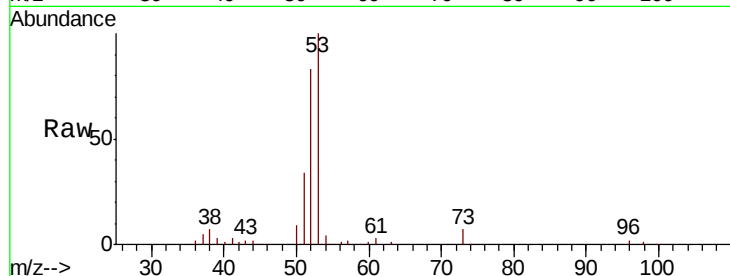
Tot Ion: 53 Resp: 183597

Ion Ratio Lower Upper

53 100

52 80.5 66.2 99.2

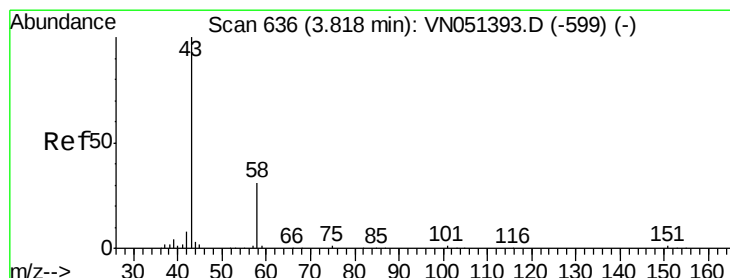
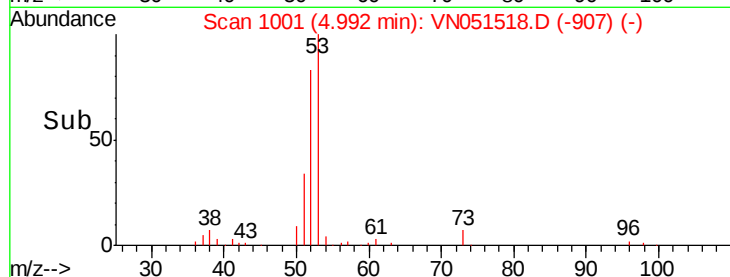
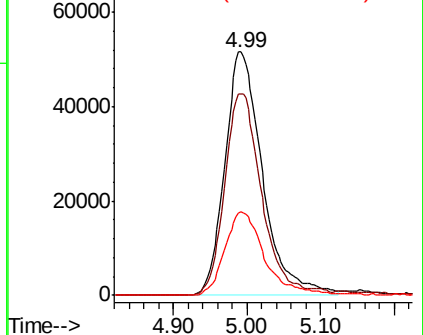
51 36.0 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 80.038 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051518.D

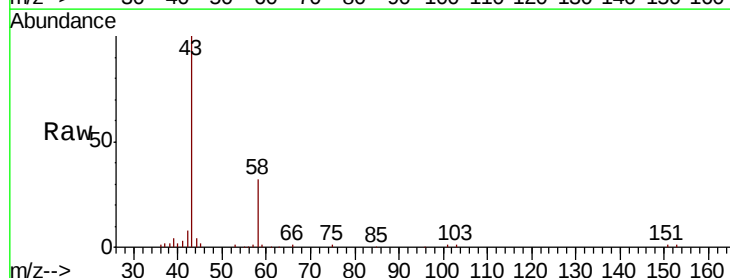
Acq: 26 Sep 2018 6:38

Tgt Ion: 43 Resp: 127406

Ion Ratio Lower Upper

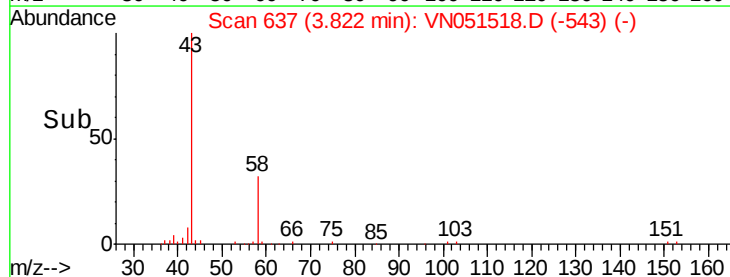
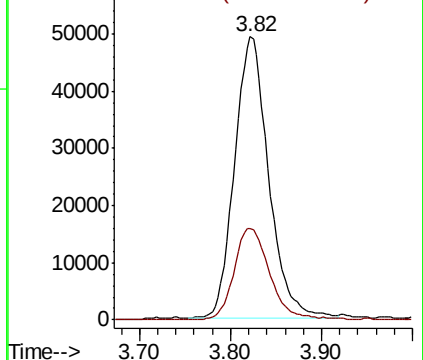
43 100

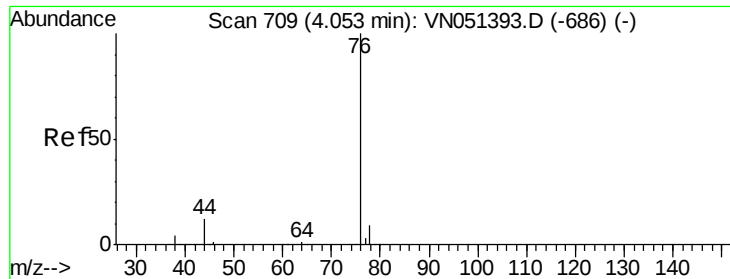
58 32.6 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

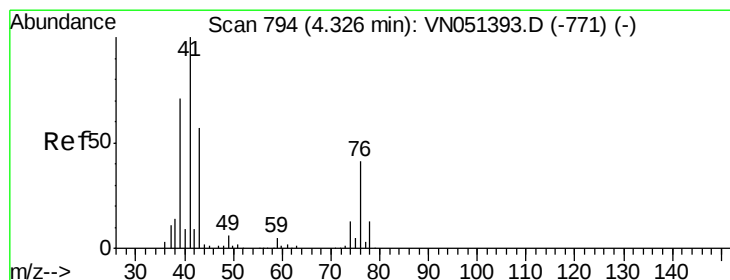
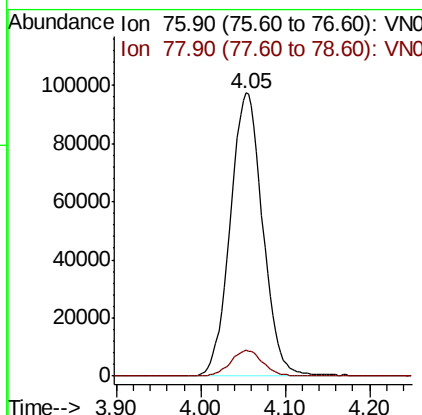
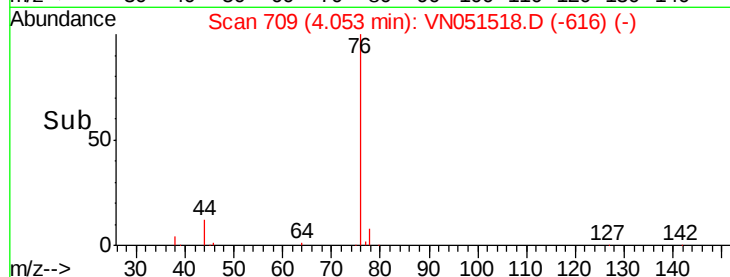
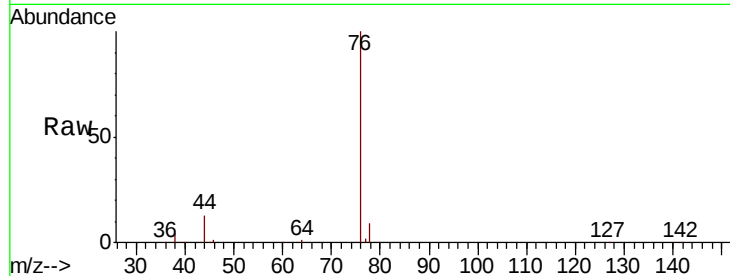




#17
Carbon Disulfide
Concen: 16.816 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

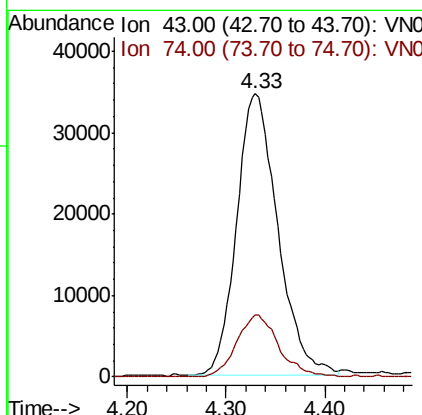
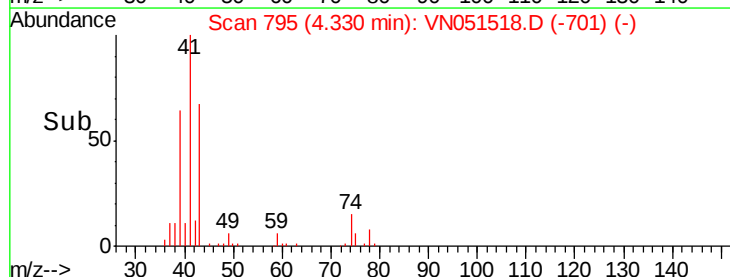
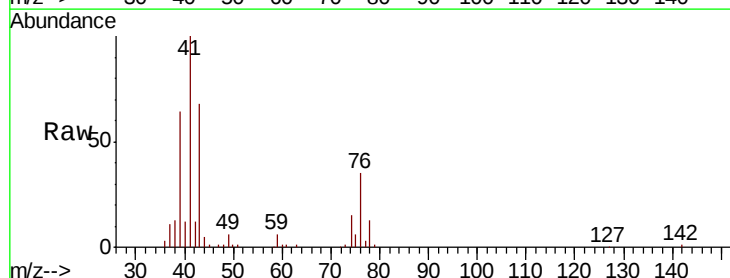
Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD02

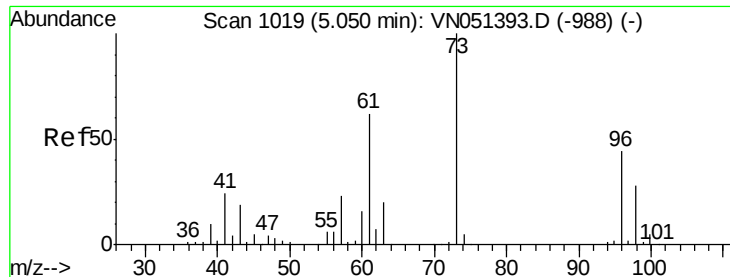
Tot Ion: 76 Resp: 260987
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 22.125 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 43 Resp: 100219
Ion Ratio Lower Upper
43 100
74 22.4 18.8 28.2

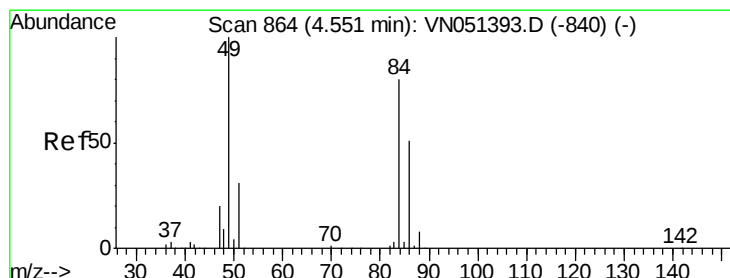
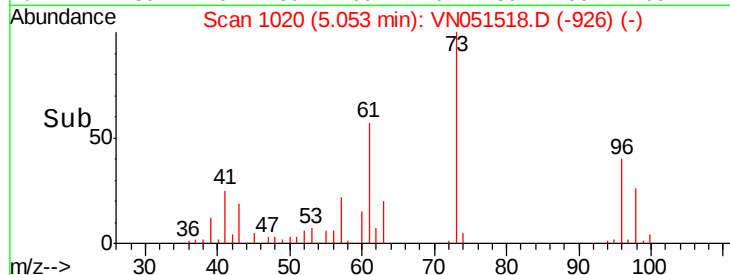
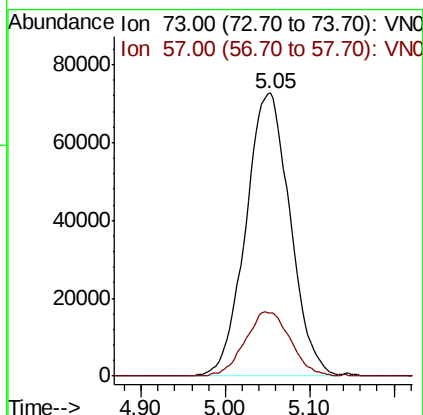
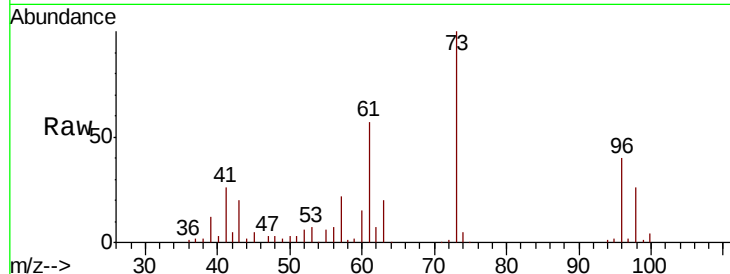




#19
Methvl tert-butvl Ether
Concen: 19.501 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

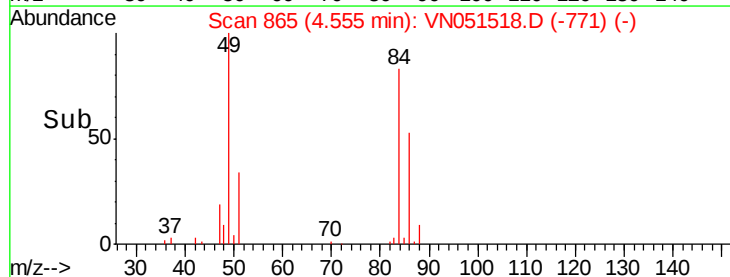
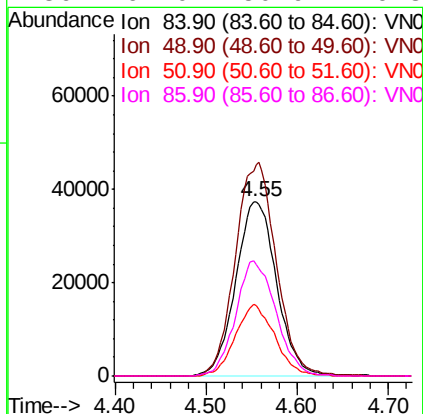
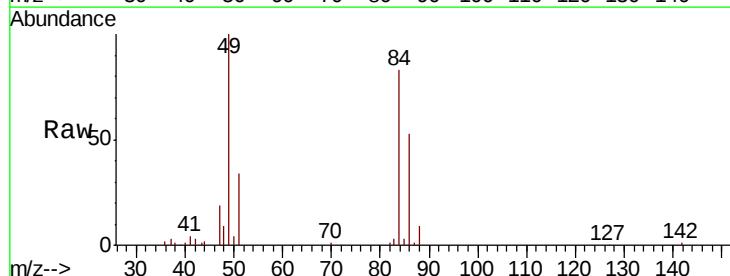
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

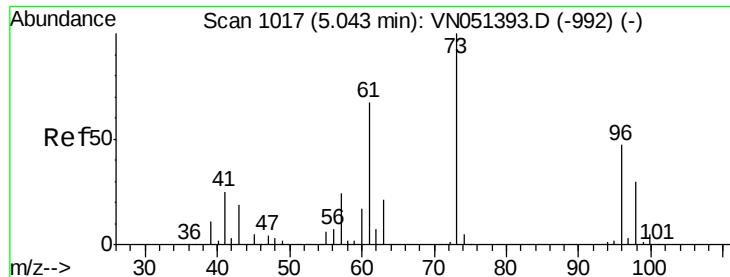
Tot Ion: 73 Resp: 265643
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 19.823 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 84 Resp: 116668
Ion Ratio Lower Upper
84 100
49 121.1 99.9 149.9
51 40.6 31.4 47.2
86 64.0 50.9 76.3

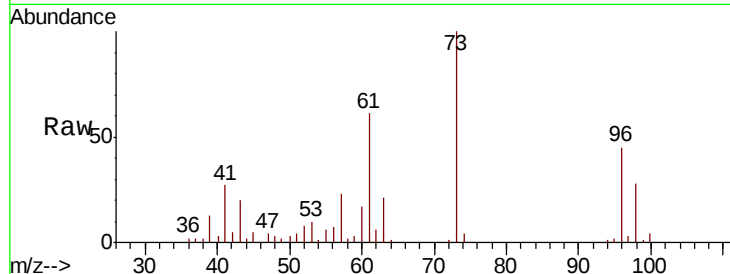




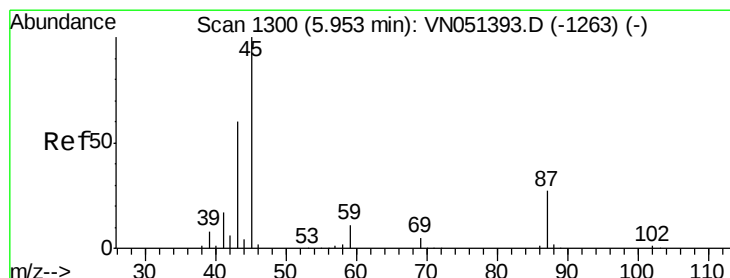
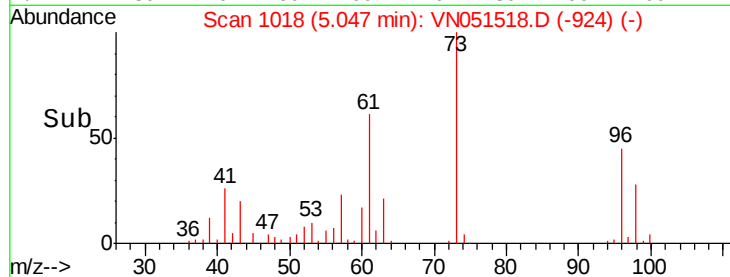
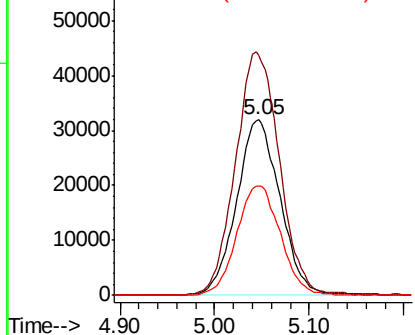
#21
trans-1,2-Dichloroethene
Concen: 18.814 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tot Ion: 96 Resp: 101670
Ion Ratio Lower Upper
96 100
61 136.1 113.4 170.2
98 62.6 51.1 76.7

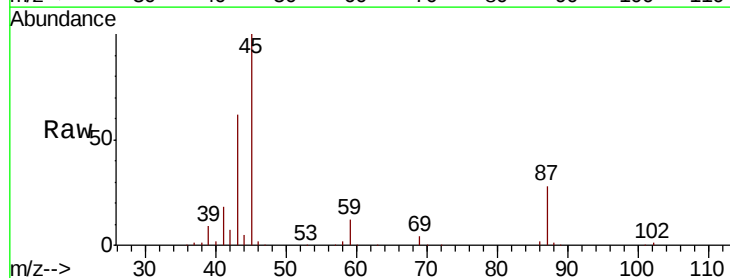


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

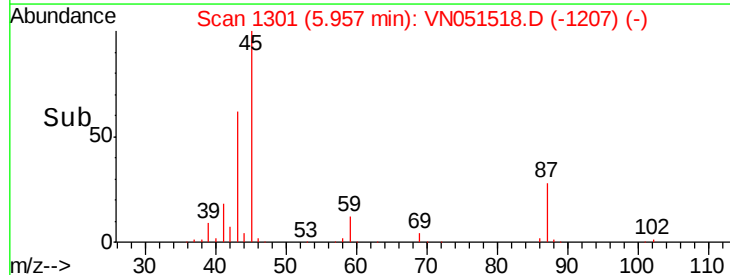
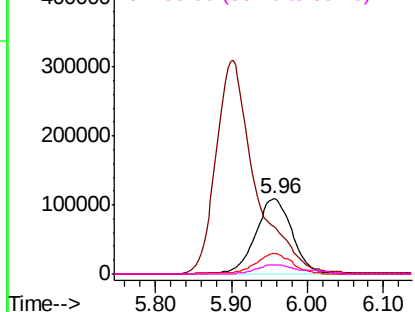


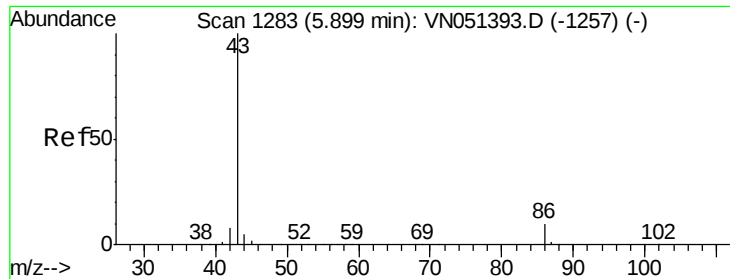
#22
Diisopropyl ether
Concen: 21.295 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 45 Resp: 364822
Ion Ratio Lower Upper
45 100
43 59.5 47.7 71.5
87 27.7 22.0 33.0
59 11.2 9.3 13.9



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





#23

Vinyl Acetate

Concen: 98.742 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleID :

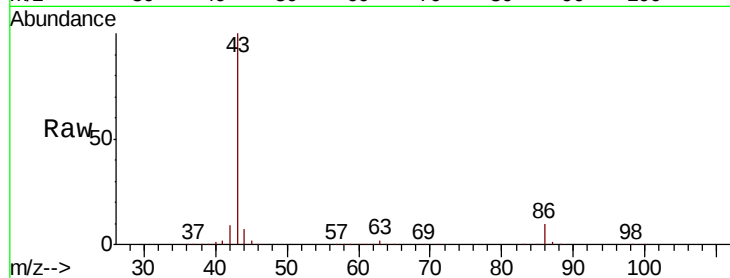
VN0926WBSD02

Tot Ion: 43 Resp: 1110614

Ion Ratio Lower Upper

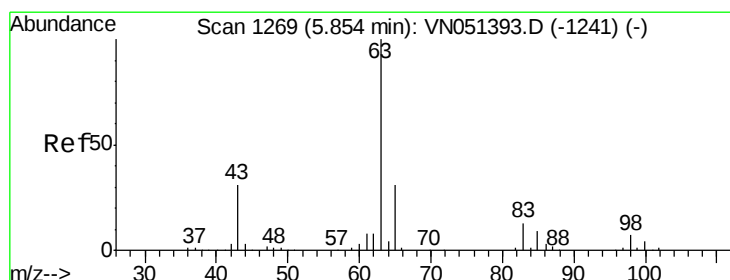
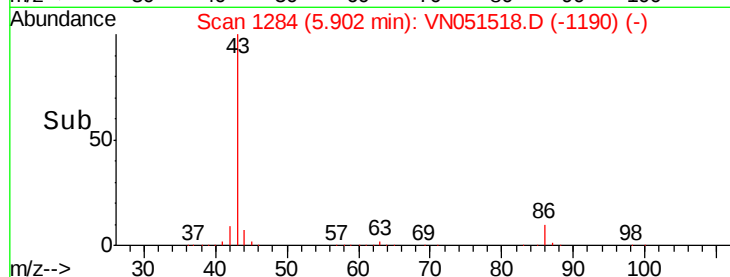
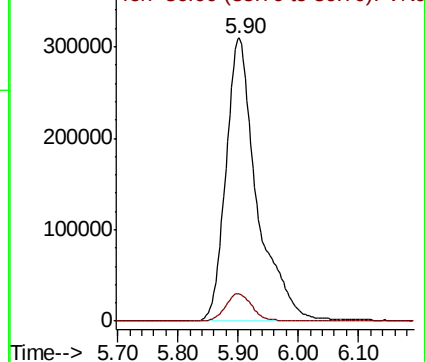
43 100

86 9.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.726 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

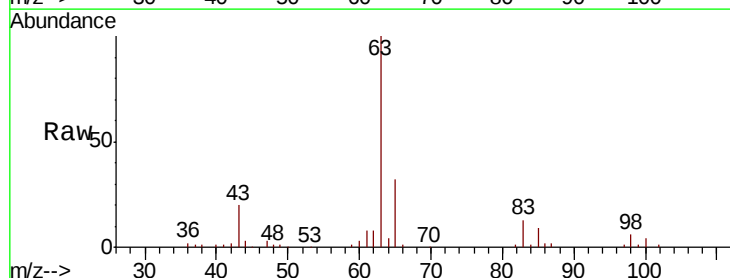
Tgt Ion: 63 Resp: 211864

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.1

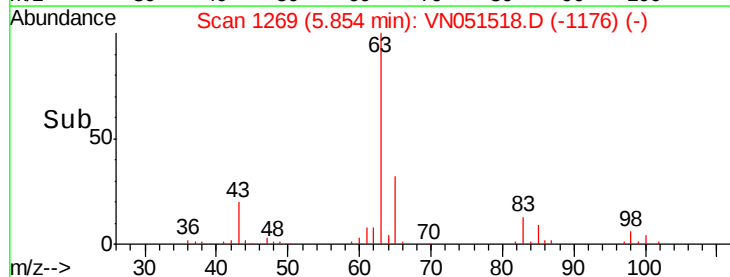
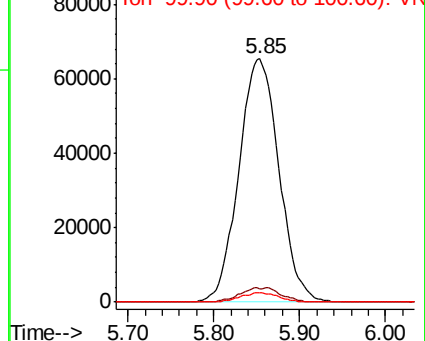
100 4.1 2.2 6.6

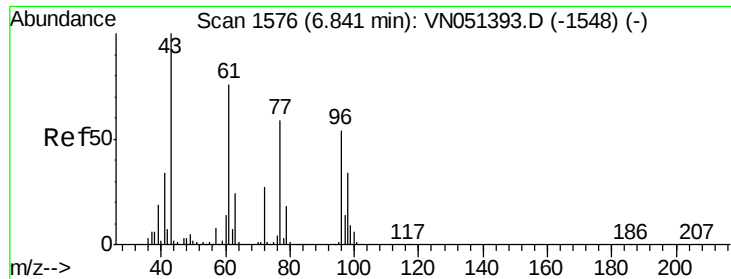


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

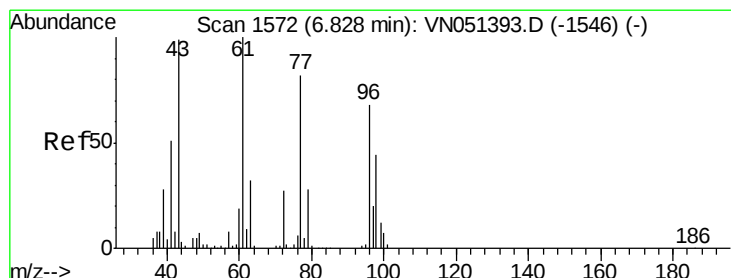
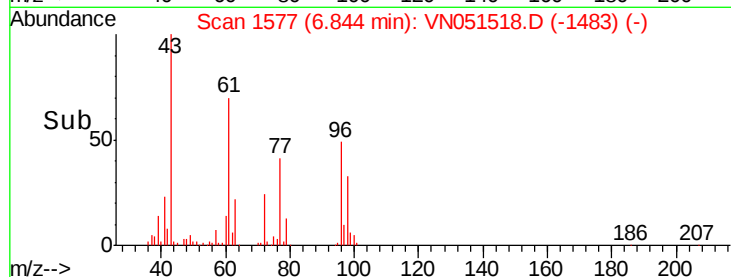
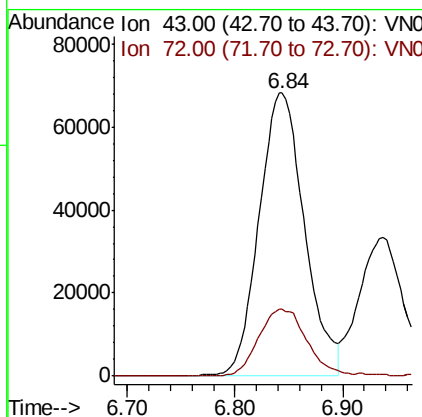
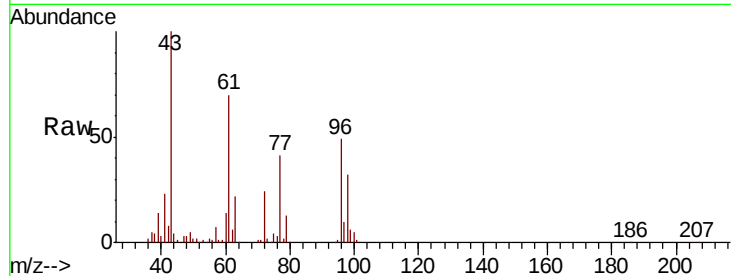




#25
2-Butanone
Concen: 97.863 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

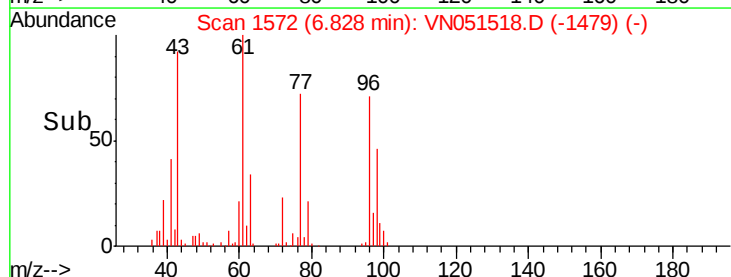
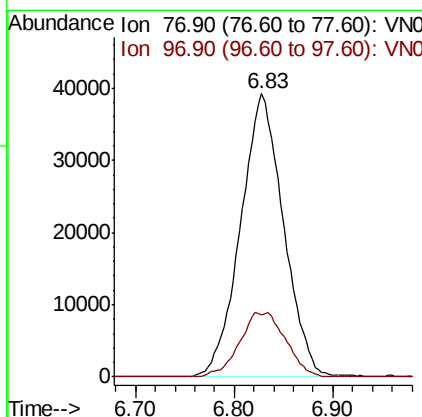
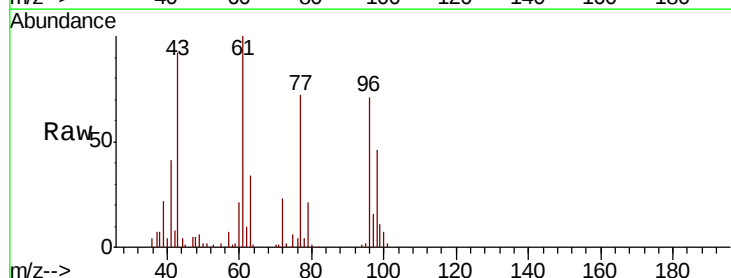
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tot Ion: 43 Resp: 199222
Ion Ratio Lower Upper
43 100
72 23.6 21.8 32.6



#26
2,2-Dichloropropane
Concen: 14.817 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 77 Resp: 118227
Ion Ratio Lower Upper
77 100
97 12.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.516 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

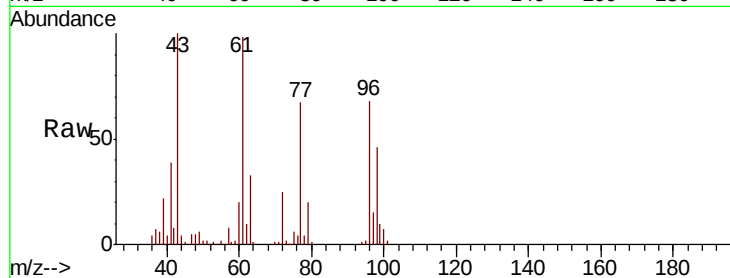
Tot Ion: 96 Resp: 115721

Ion Ratio Lower Upper

96 100

61 143.8 0.0 291.4

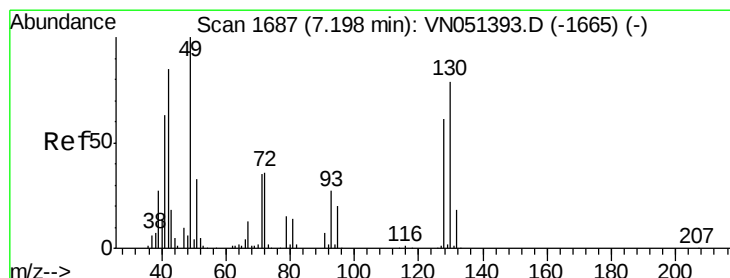
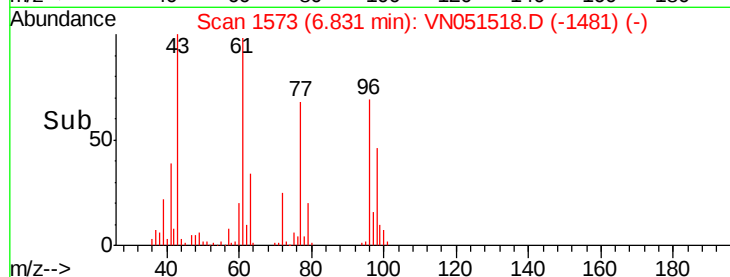
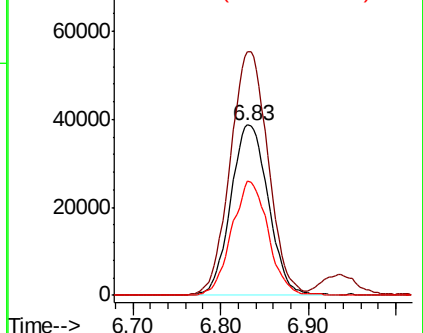
98 64.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.894 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

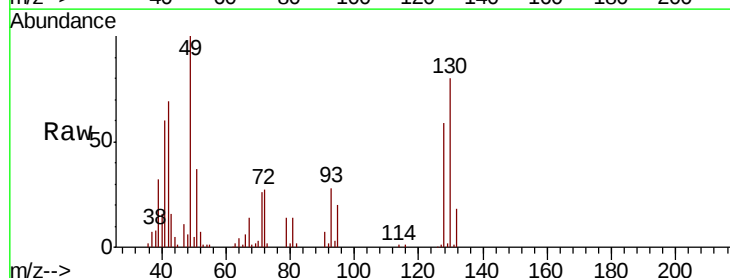
Tgt Ion: 49 Resp: 108069

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.8

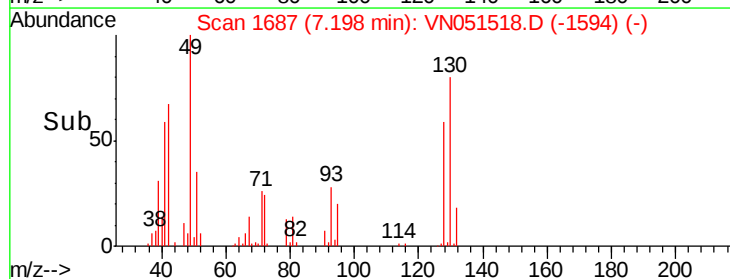
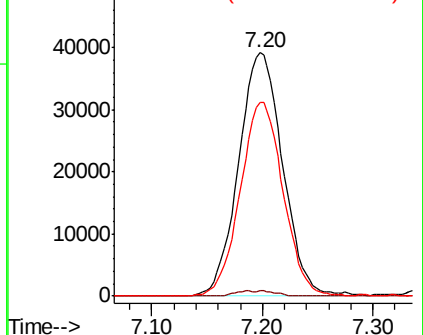
130 77.6 63.0 94.4

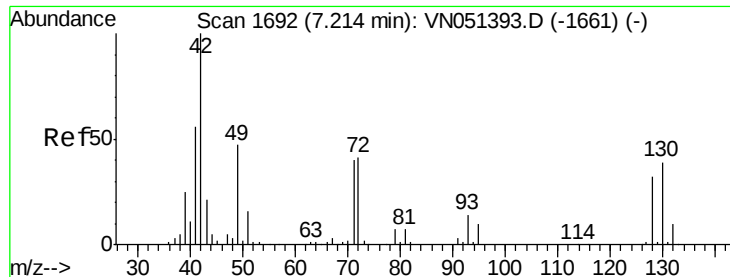


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

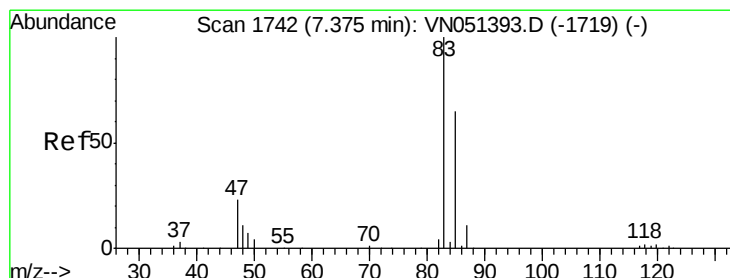
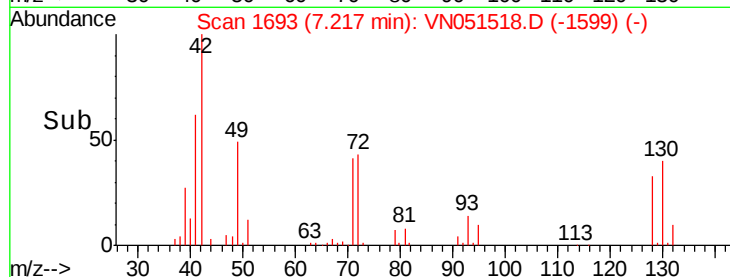
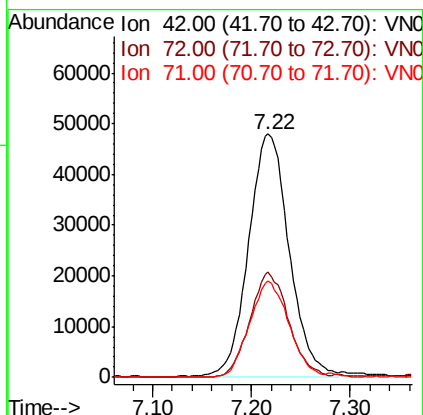
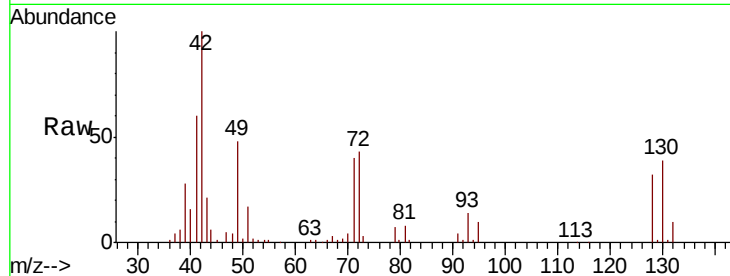




#29
Tetrahydrofuran
Concen: 104.650 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

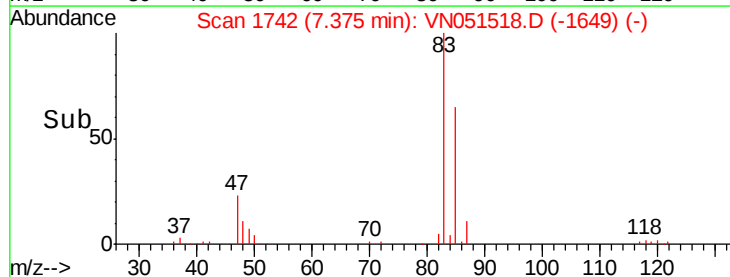
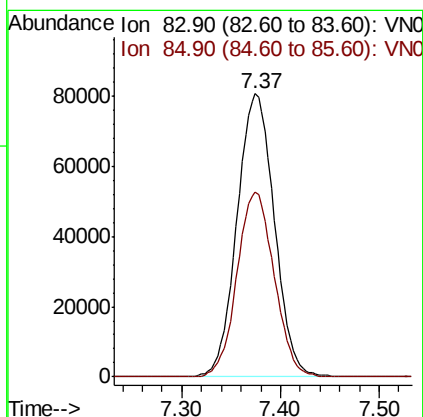
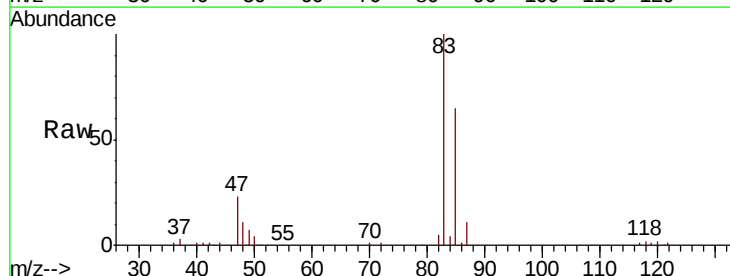
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

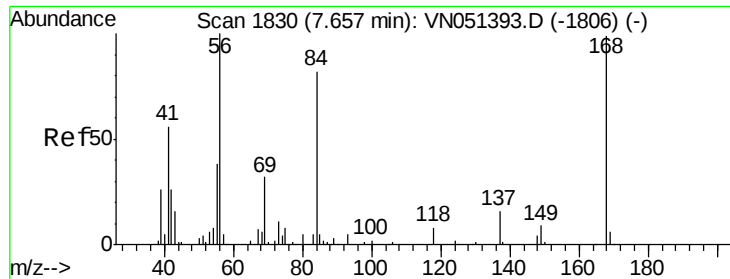
Tot Ion: 42 Resp: 135005
Ion Ratio Lower Upper
42 100
72 41.8 34.3 51.5
71 38.8 32.2 48.4



#30
Chloroform
Concen: 20.897 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 83 Resp: 211661
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.6





#31

Cyclohexane

Concen: 18.083 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

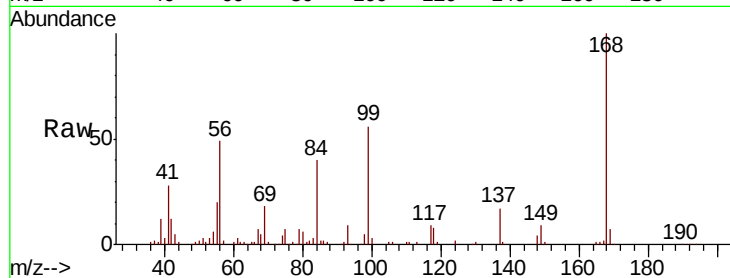
Tot Ion: 56 Resp: 169350

Ion Ratio Lower Upper

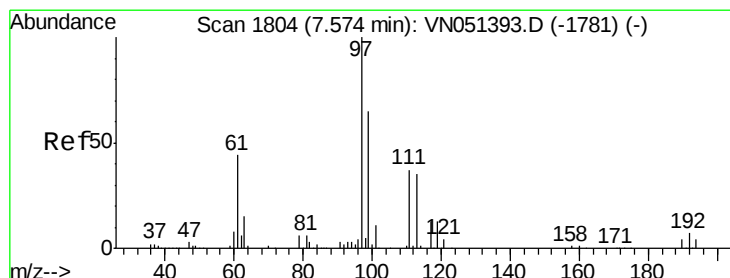
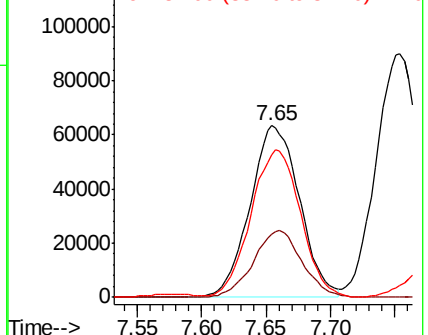
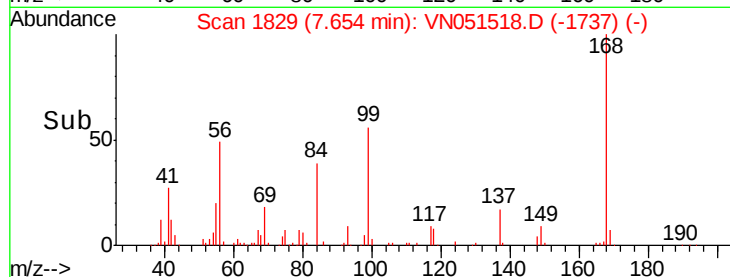
56 100

69 36.9 25.8 38.6

84 81.8 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.757 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

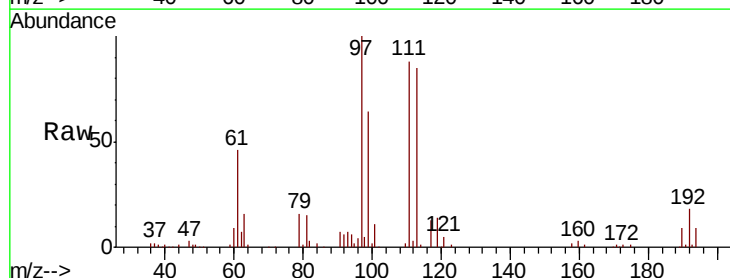
Tgt Ion: 97 Resp: 179738

Ion Ratio Lower Upper

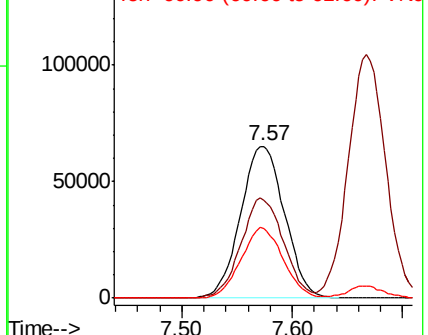
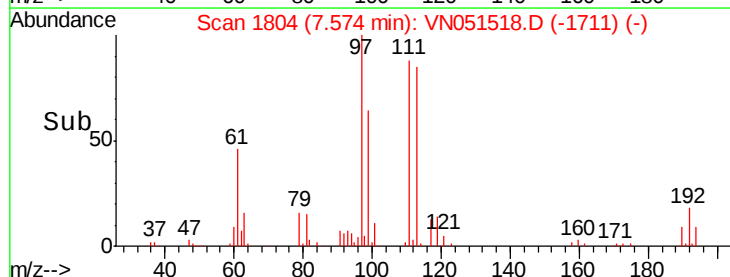
97 100

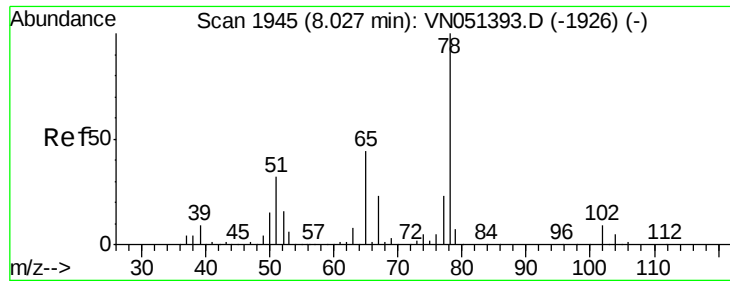
99 63.6 51.4 77.0

61 44.7 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

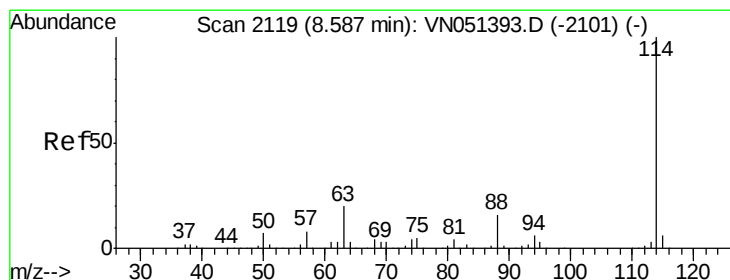
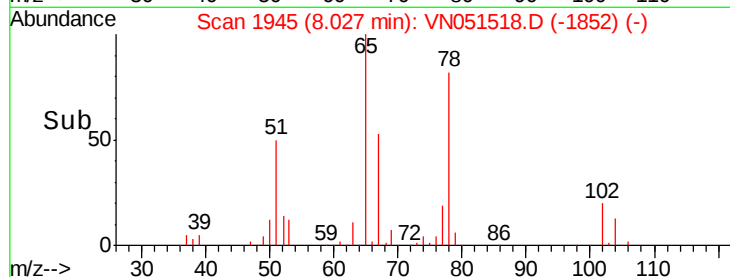
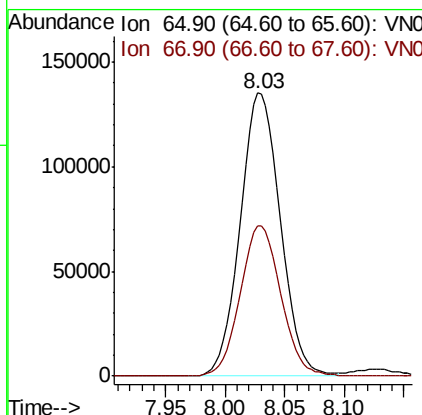
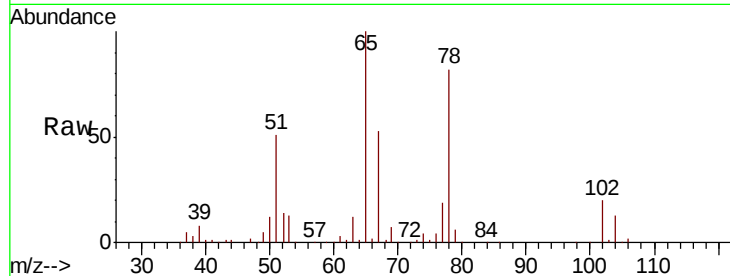




#33
 1,2-Dichloroethane-d4
 Concen: 53.193 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

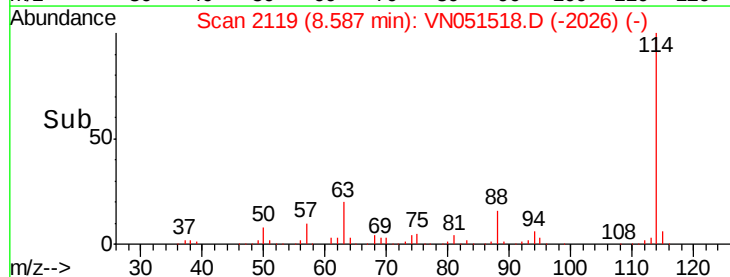
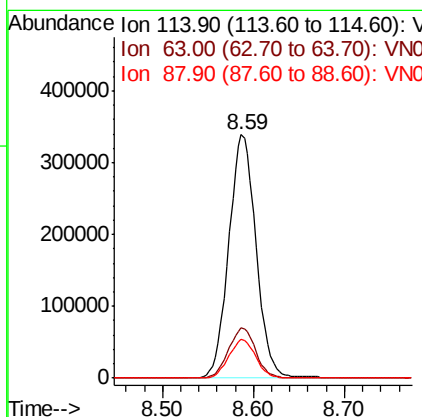
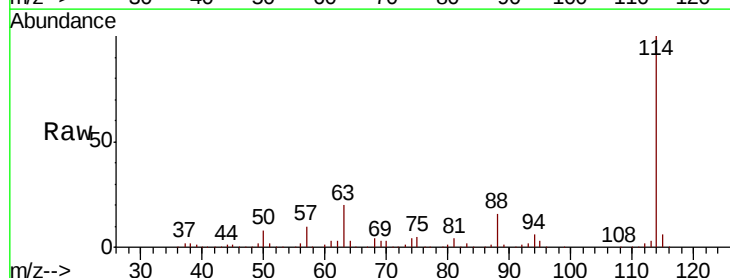
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

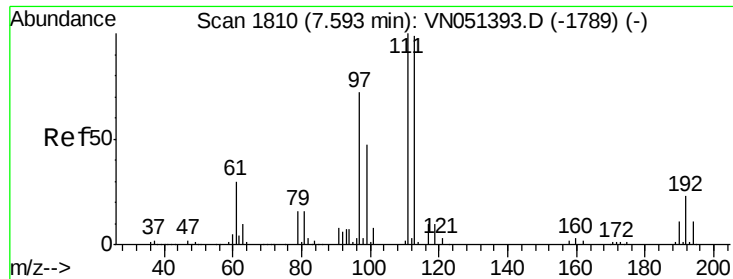
Tot Ion: 65 Resp: 316371
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 114 Resp: 707324
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.8 0.0 31.4

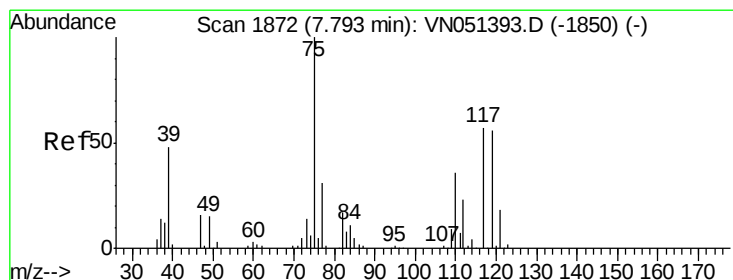
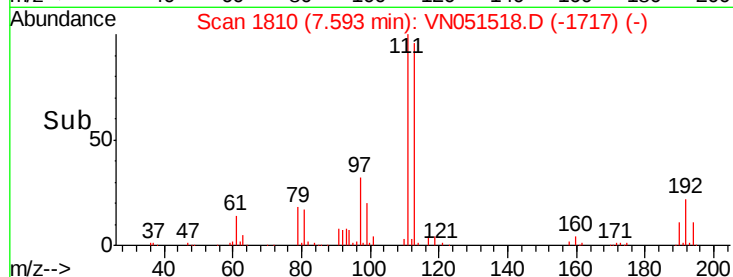
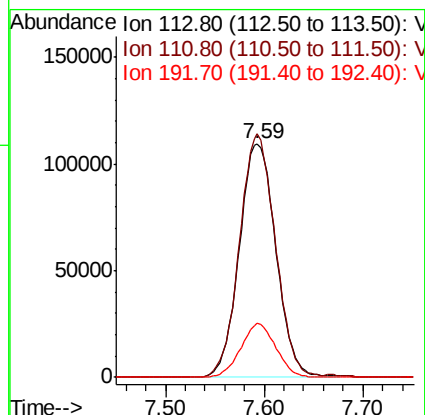
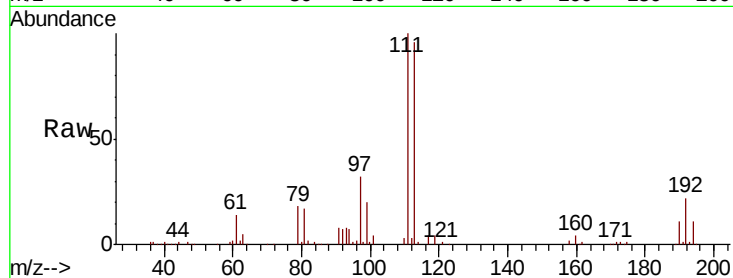




#35
 Dibromofluoromethane
 Concen: 49.901 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

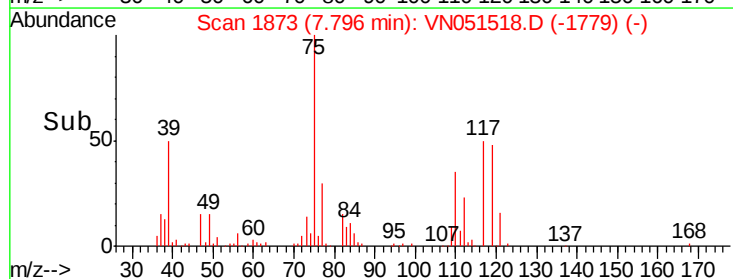
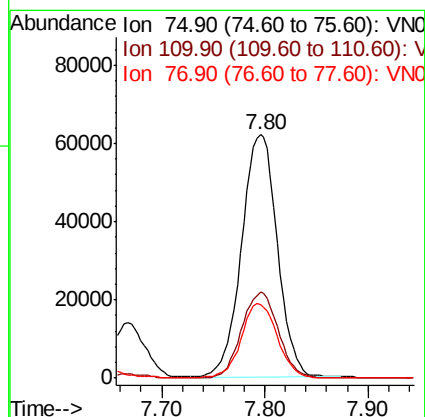
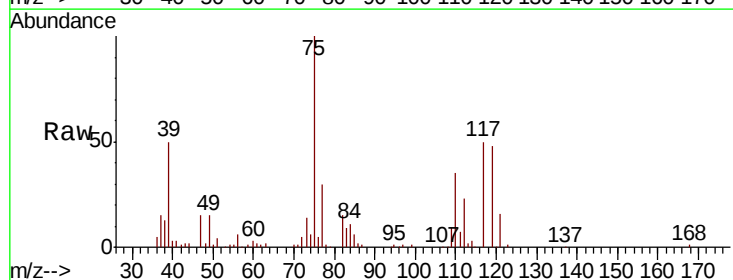
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

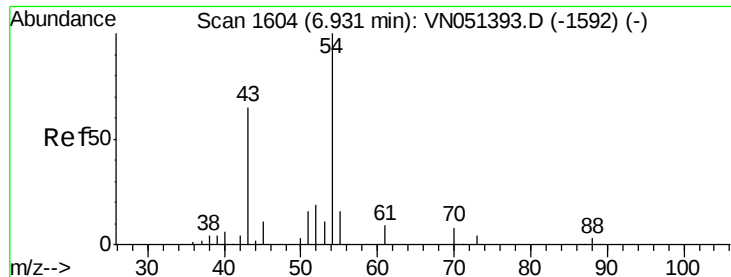
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 18.275 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	31.1	25.6	38.4

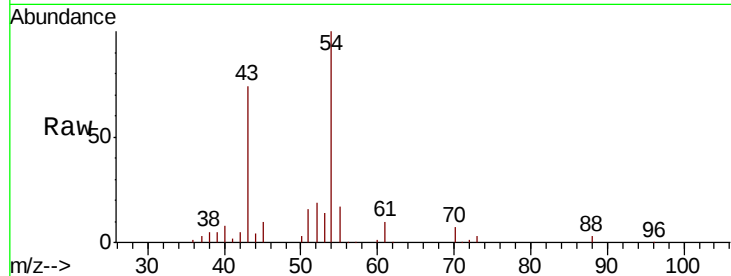




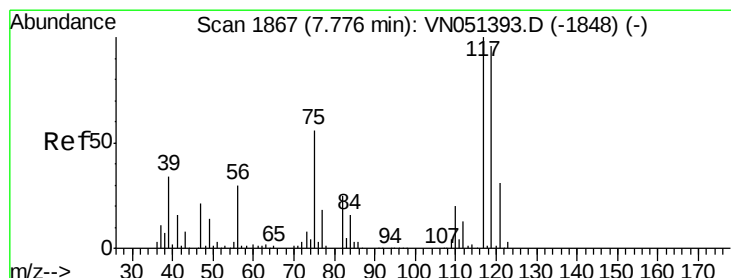
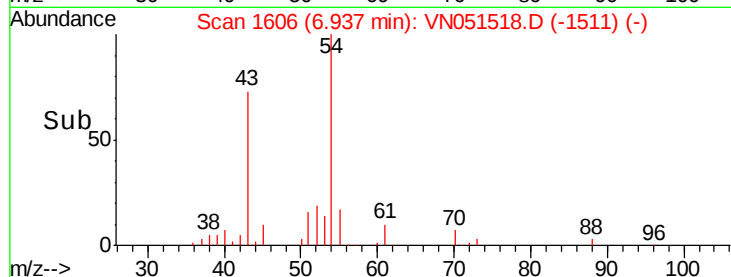
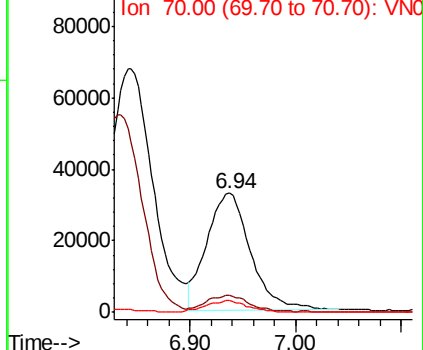
#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tot Ion: 43 Resp: 95192
Ion Ratio Lower Upper
43 100
61 13.5 11.5 17.3
70 9.6 7.9 11.9

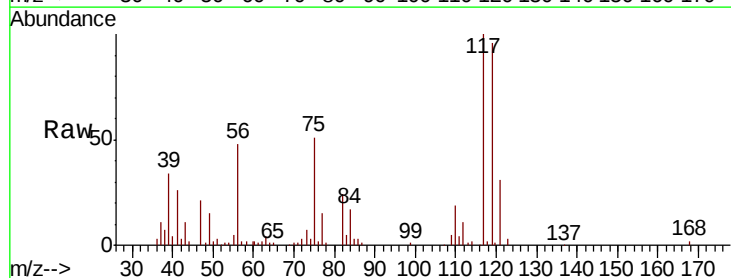


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

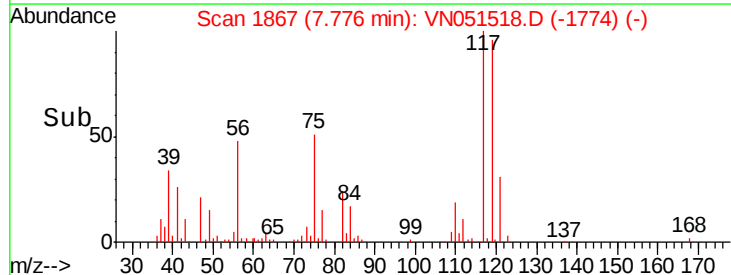
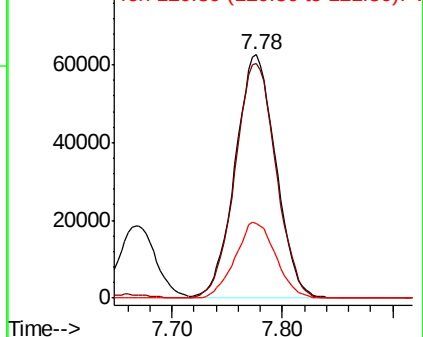


#38
Carbon Tetrachloride
Concen: 18.631 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 117 Resp: 159617
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 30.5 24.6 37.0



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

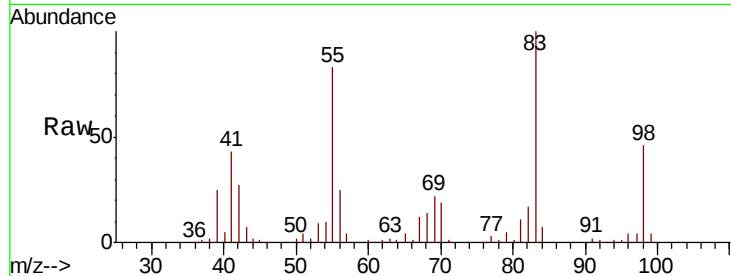




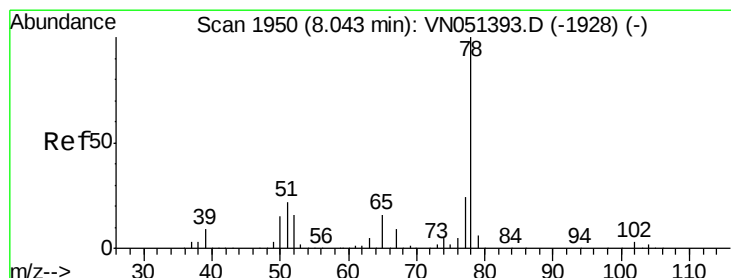
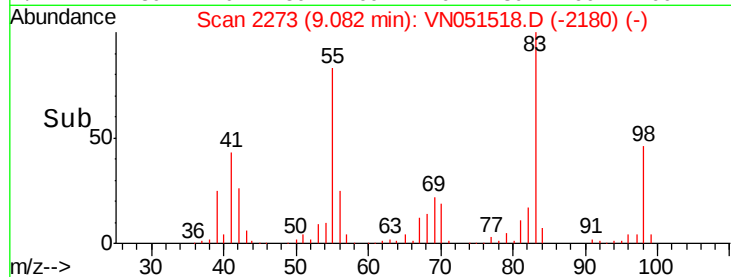
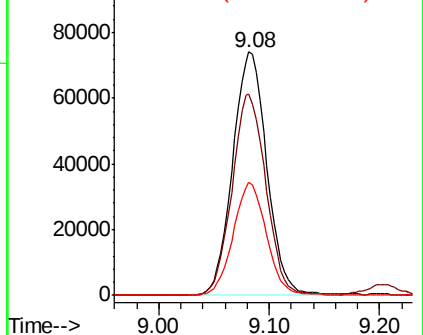
#39
Methvlcvclohexane
Concen: 16.582 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tot Ion: 83 Resp: 158777
Ion Ratio Lower Upper
83 100
55 82.8 61.0 91.4
98 46.3 35.6 53.4

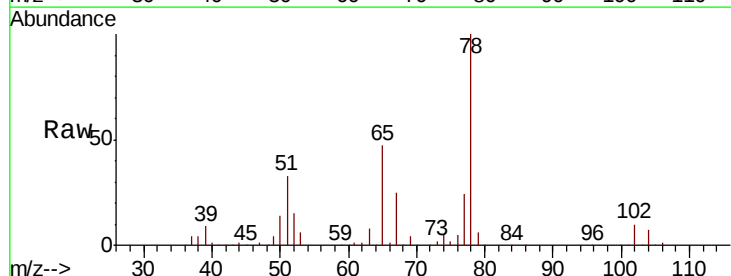


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

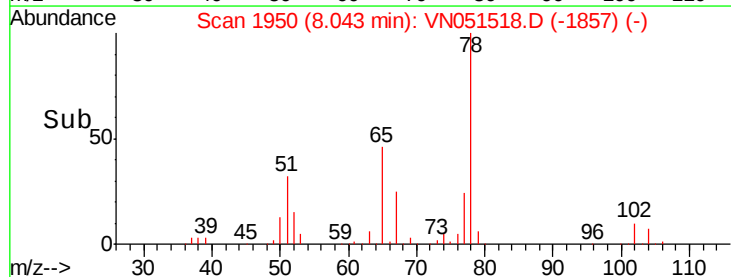
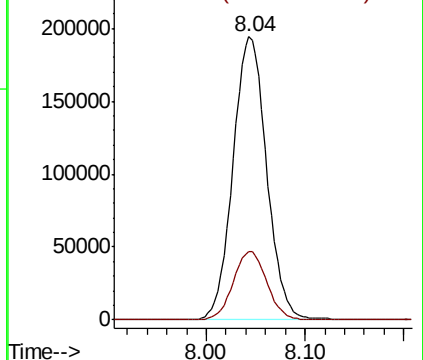


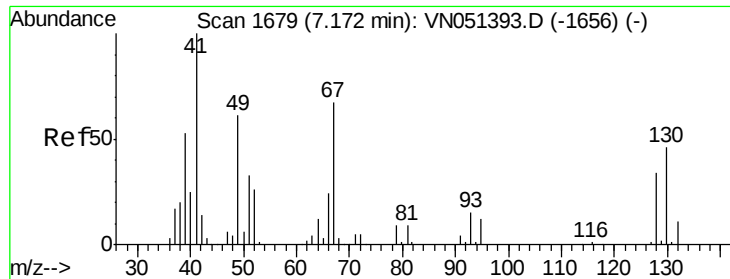
#40
Benzene
Concen: 19.140 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 78 Resp: 460327
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8



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

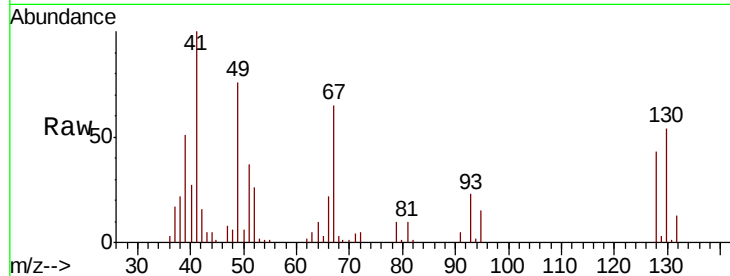




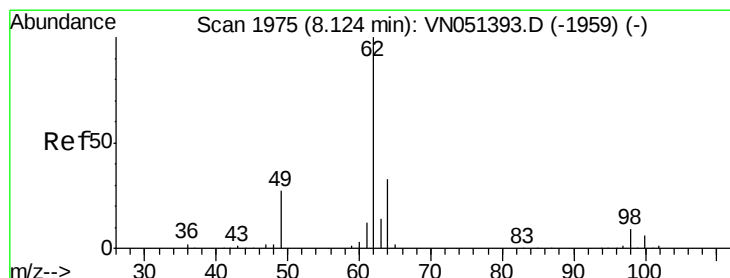
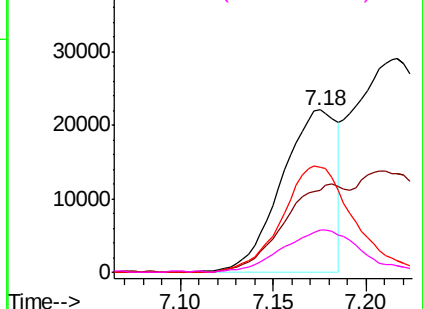
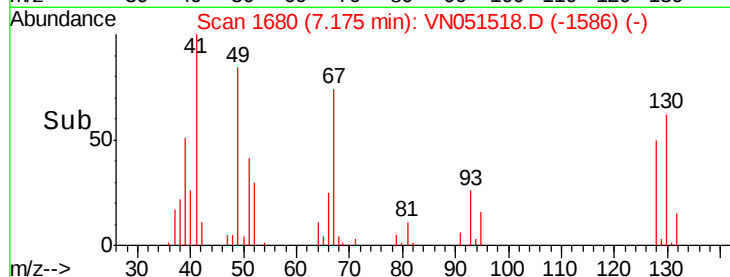
#41
Methacrylonitrile
Concen: 17.608 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tot Ion:	41	Resp:	45878
Ion	Ratio	Lower	Upper
41	100		
39	62.2	51.4	77.2
67	85.5	66.8	100.2
52	37.4	27.7	41.5

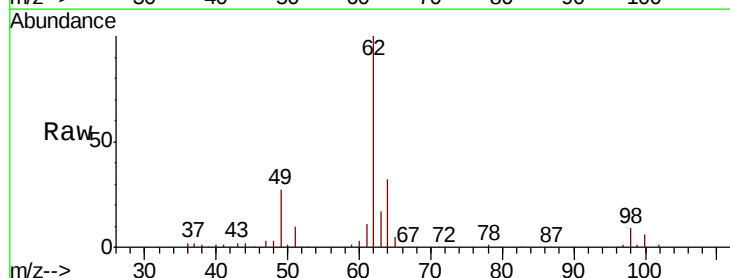


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

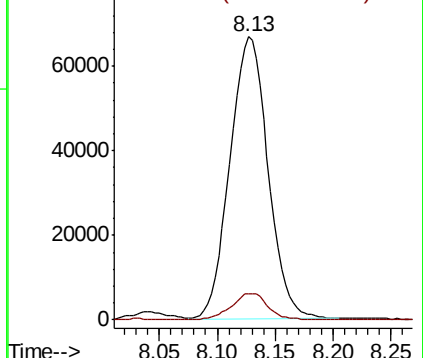
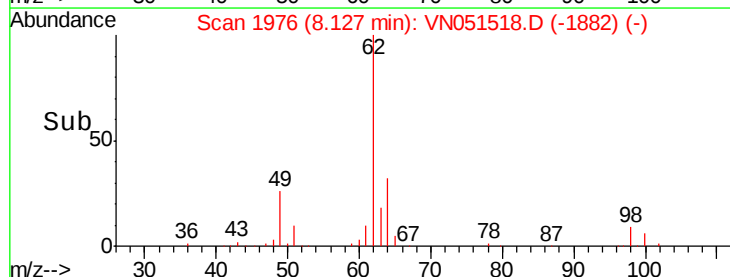


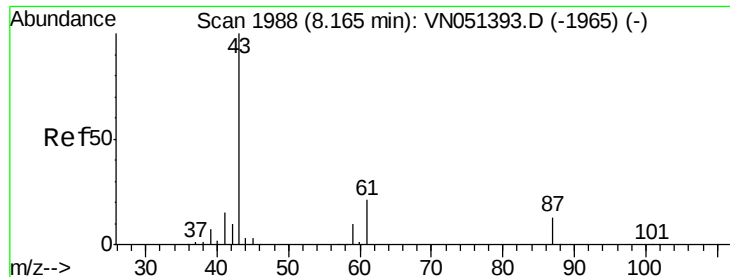
#42
1,2-Dichloroethane
Concen: 19.754 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion:	62	Resp:	152126
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

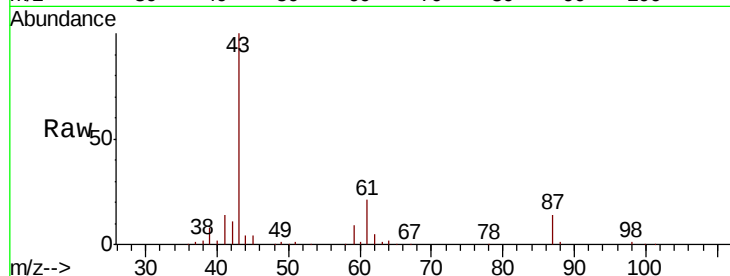
MSVOA_N

ClientSampleID :

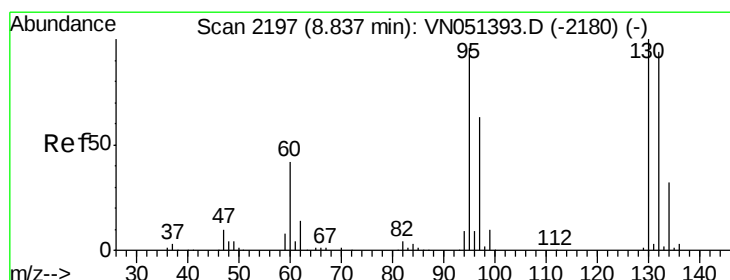
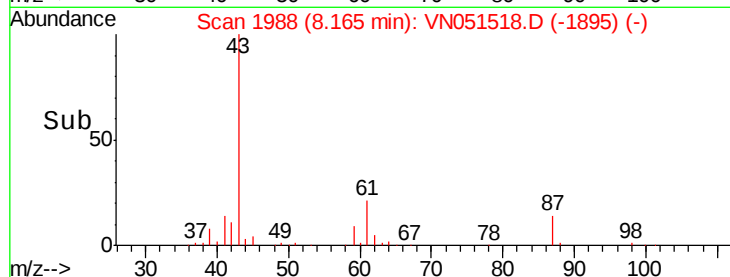
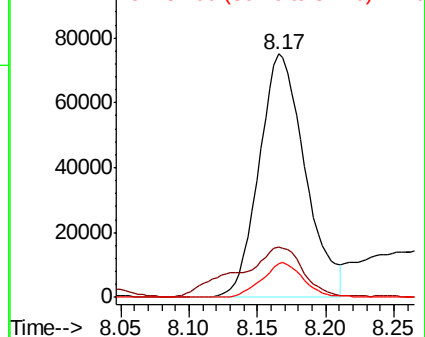
VN0926WBSD02

Tot Ion: 43 Resp: 176049

Ion	Ratio	Lower	Upper
43	100		
61	27.9	16.8	25.2#
87	12.7	10.7	16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051518.D (-1965) (-)



#44

Trichloroethene

Concen: 18.462 ug/l

RT: 8.84 min Scan# 2197

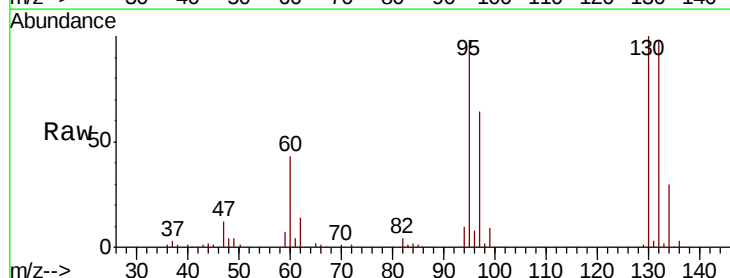
Delta R.T. 0.00 min

Lab File: VN051518.D

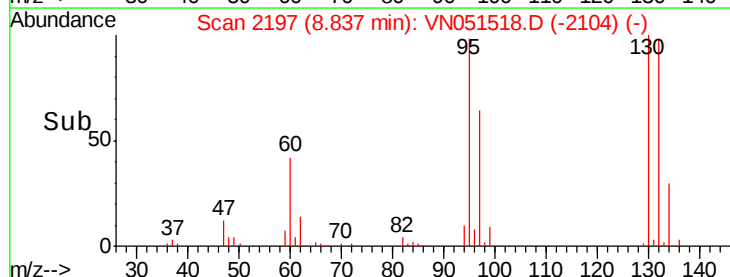
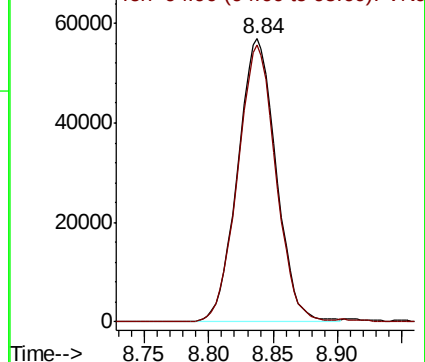
Acq: 26 Sep 2018 6:38

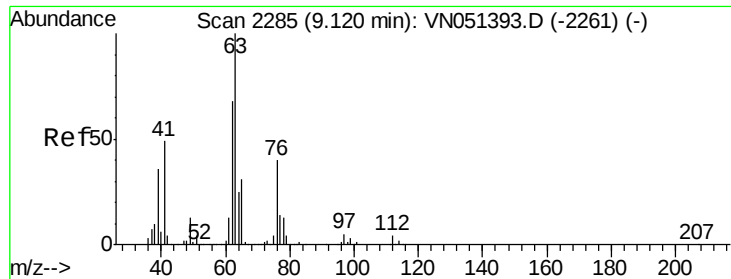
Tgt Ion:130 Resp: 117935

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051518.D (-2180) (-)

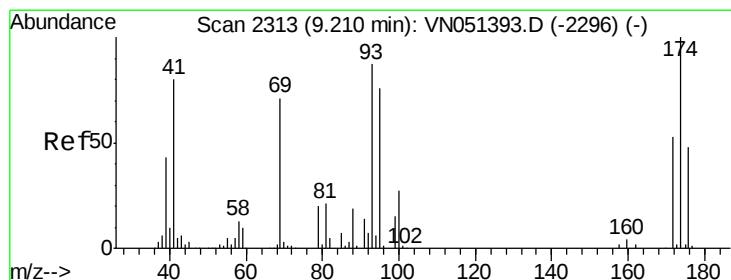
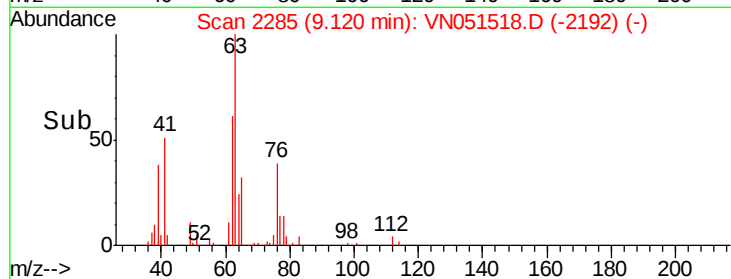
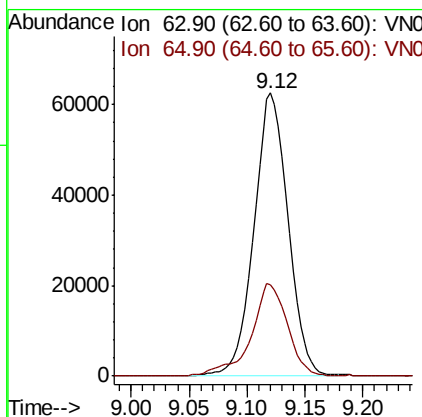
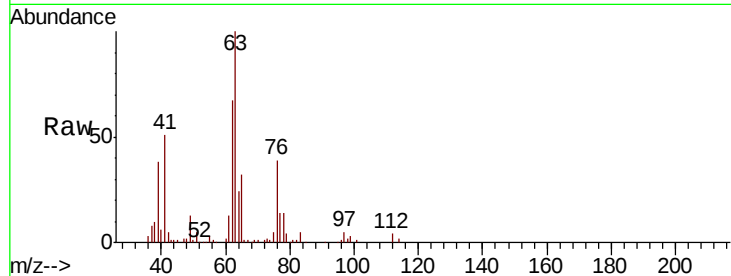




#45
 1,2-Dichloropropane
 Concen: 19.661 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

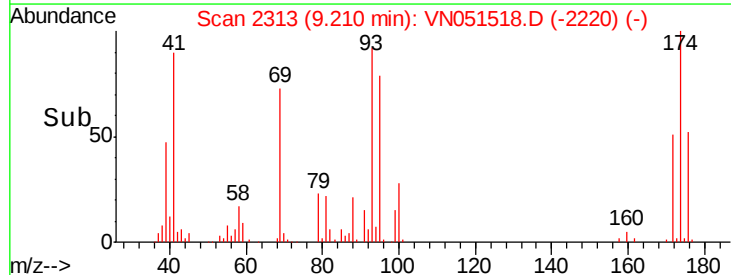
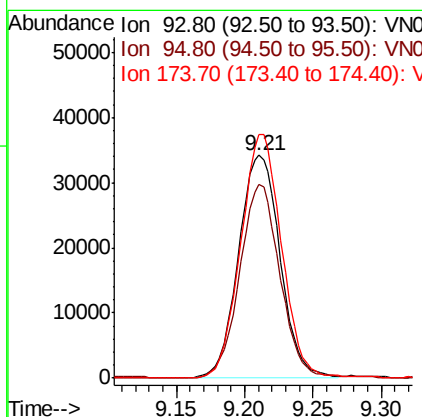
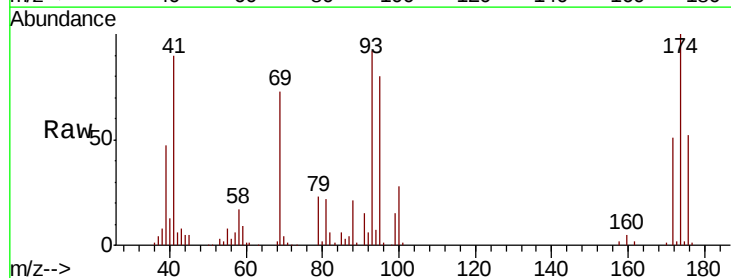
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

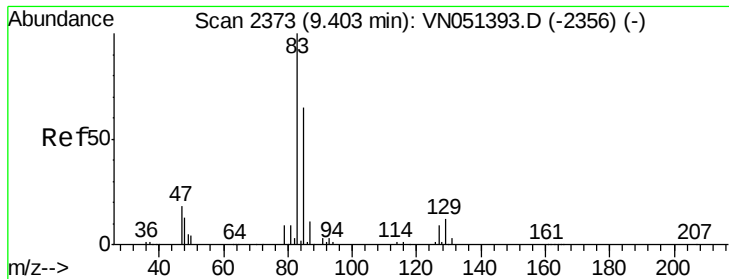
Tot Ion: 63 Resp: 128534
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.9 37.3



#46
 Dibromomethane
 Concen: 19.597 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 93 Resp: 72391
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.6 101.4
 174 107.7 89.6 134.4





#47

Bromodichloromethane

Concen: 19.601 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

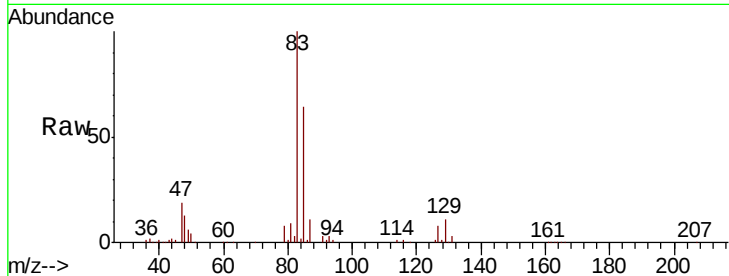
Tot Ion: 83 Resp: 160232

Ion Ratio Lower Upper

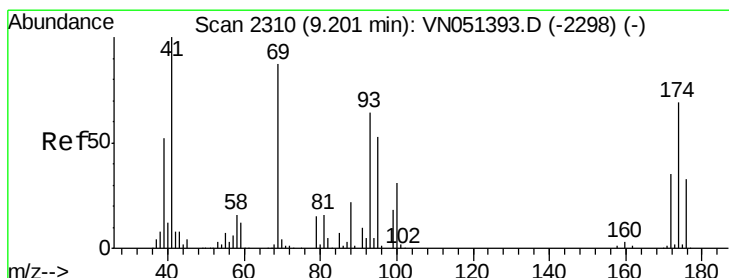
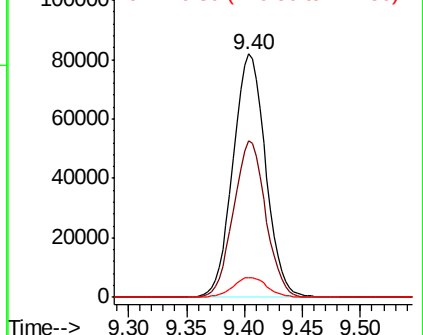
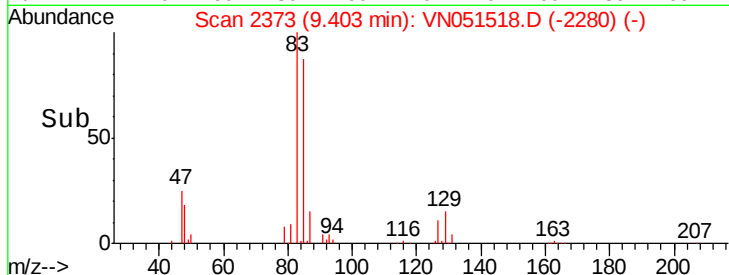
83 100

85 64.2 51.8 77.6

127 8.1 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN051518.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.263 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

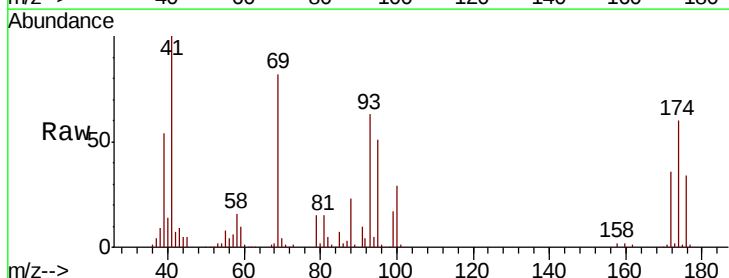
Tgt Ion: 41 Resp: 81787

Ion Ratio Lower Upper

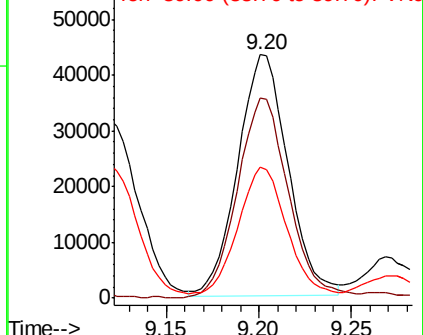
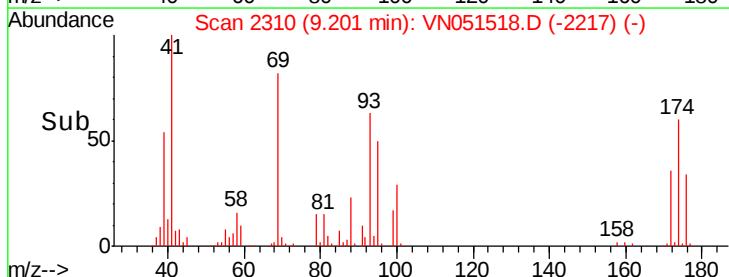
41 100

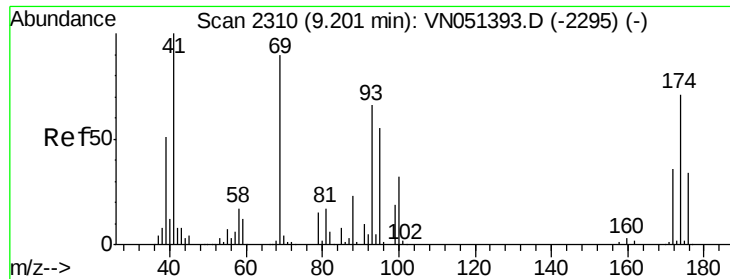
69 84.5 70.4 105.6

39 53.1 43.8 65.8



Abundance Ion 41.00 (40.70 to 41.70): VN051518.D (-2217) (-)





#49

1,4-Dioxane

Concen: 391.489 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

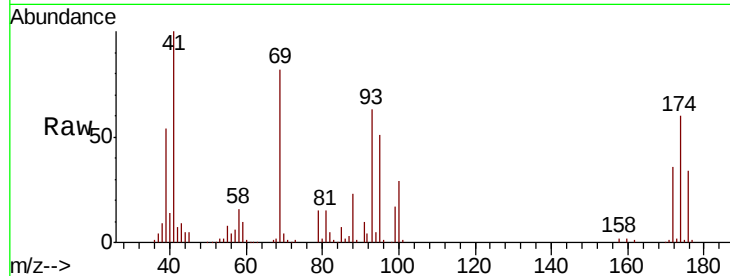
Tot Ion: 88 Resp: 20371

Ion Ratio Lower Upper

88 100

43 34.9 25.9 38.9

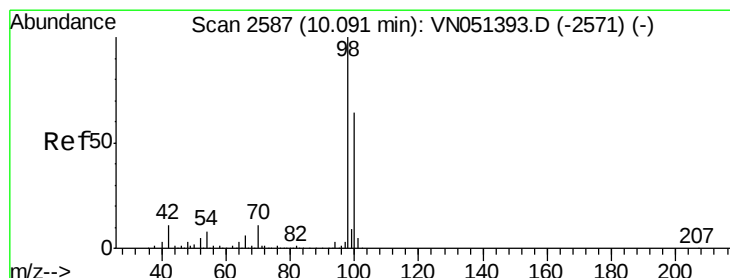
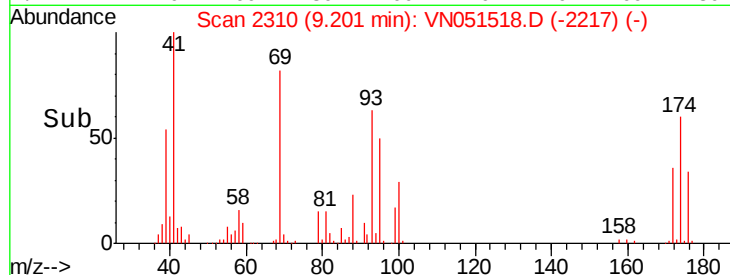
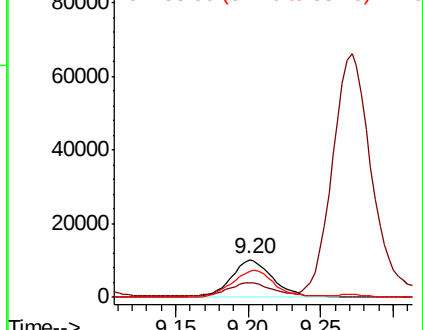
58 71.9 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051518.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN051518.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN051518.D (-2217) (-)



#50

Toluene-d8

Concen: 48.324 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051518.D

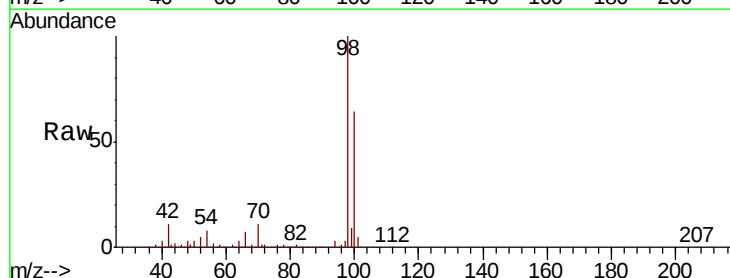
Acq: 26 Sep 2018 6:38

Tgt Ion: 98 Resp: 1029255

Ion Ratio Lower Upper

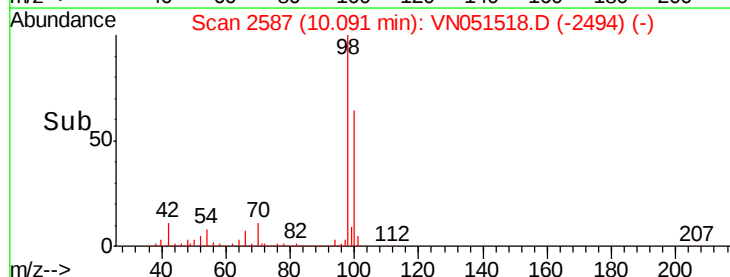
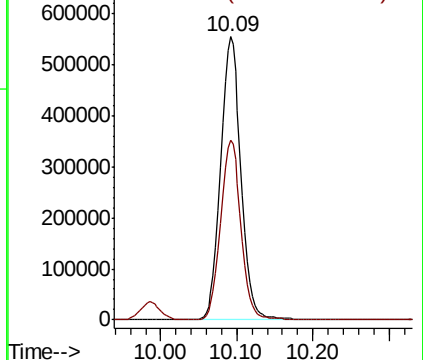
98 100

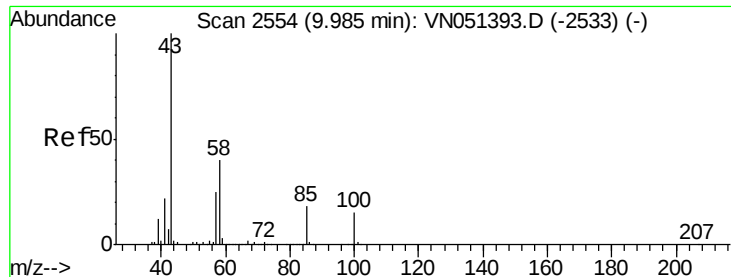
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051518.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051518.D (-2494) (-)

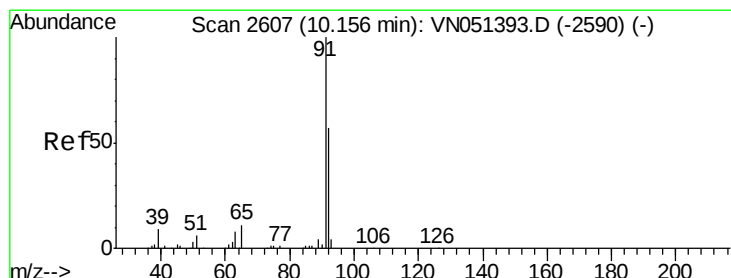
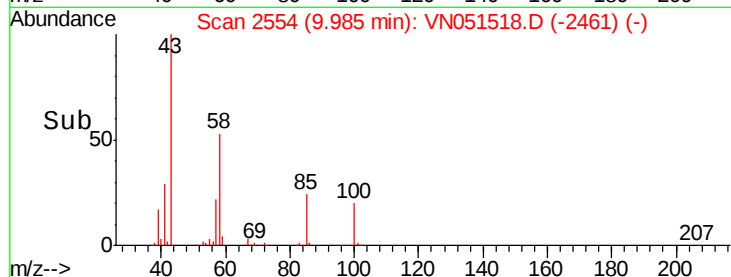
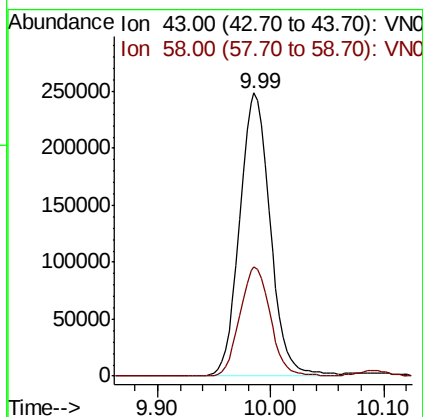
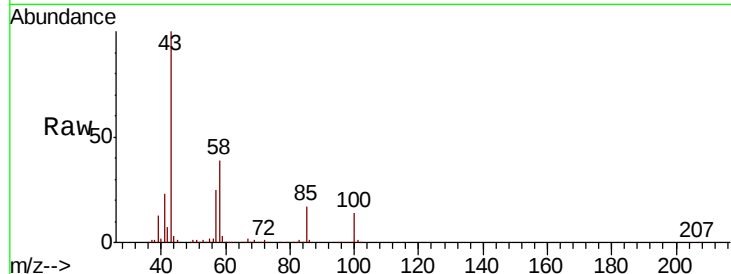




#51
 4-Methyl-2-Pentanone
 Concen: 99.415 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

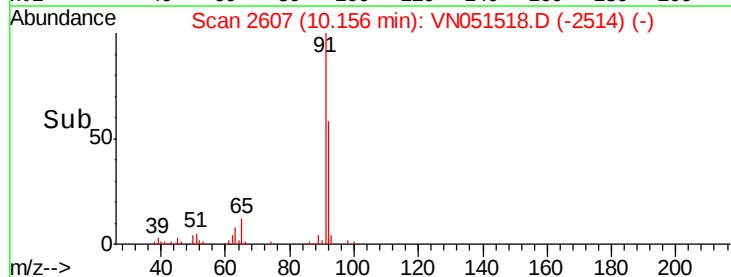
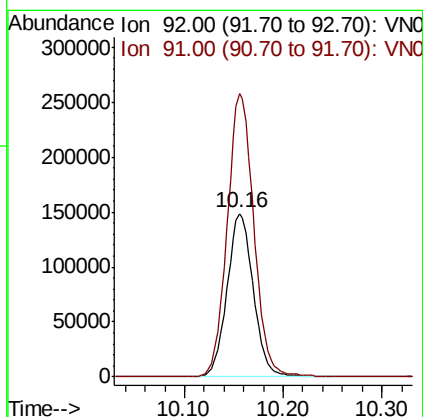
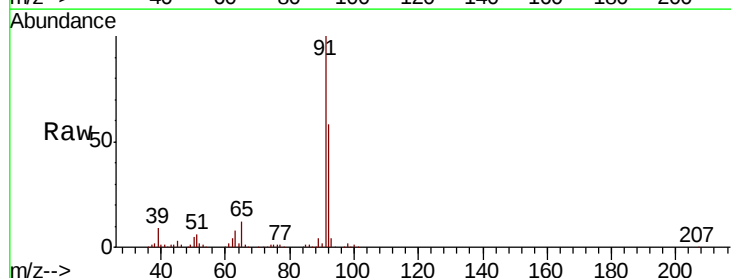
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0926WBSD02

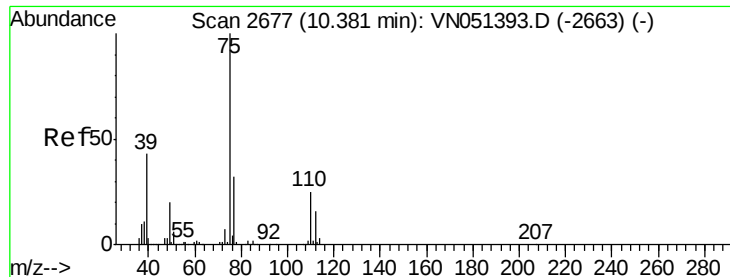
Tot Ion: 43 Resp: 465611
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3



#52
 Toluene
 Concen: 18.561 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 92 Resp: 277416
 Ion Ratio Lower Upper
 92 100
 91 175.4 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 17.152 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

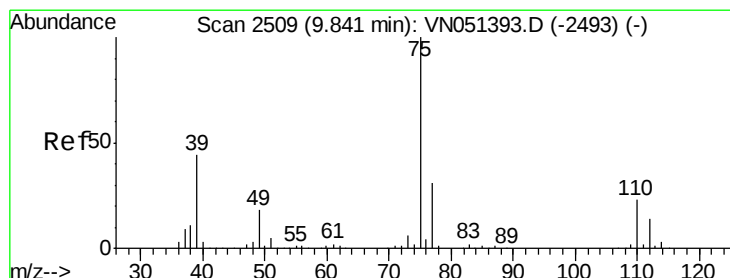
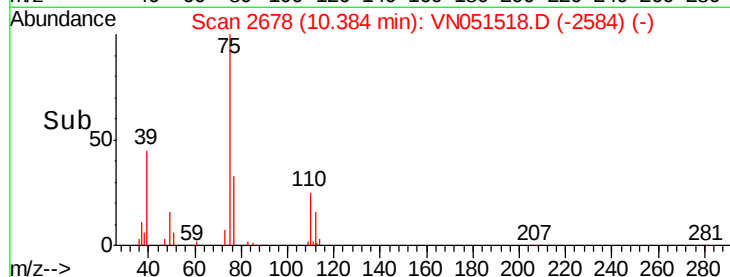
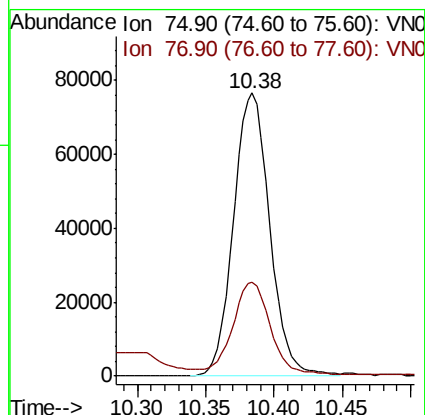
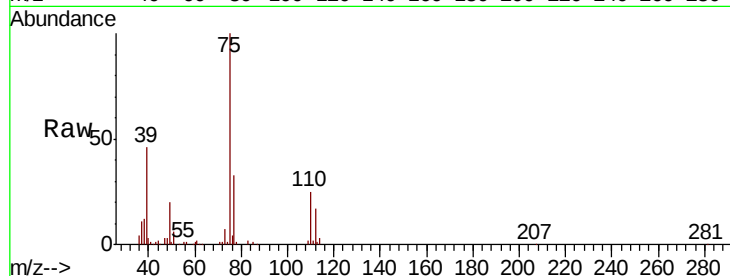
VN0926WBSD02

Tot Ion: 75 Resp: 141552

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 17.716 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

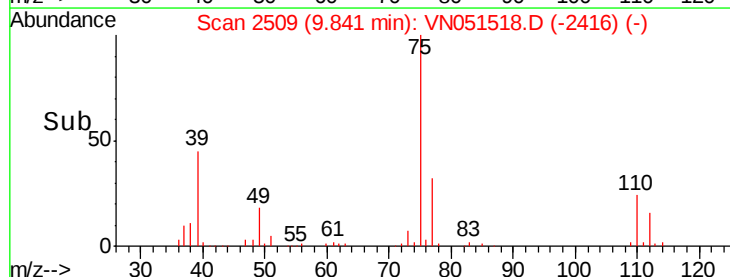
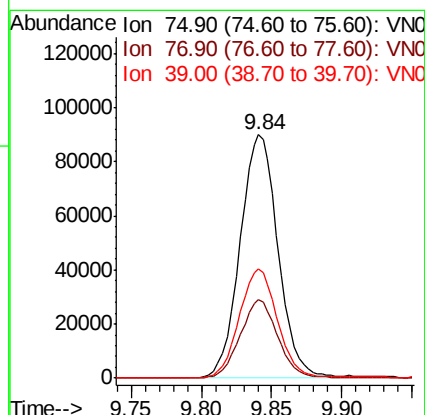
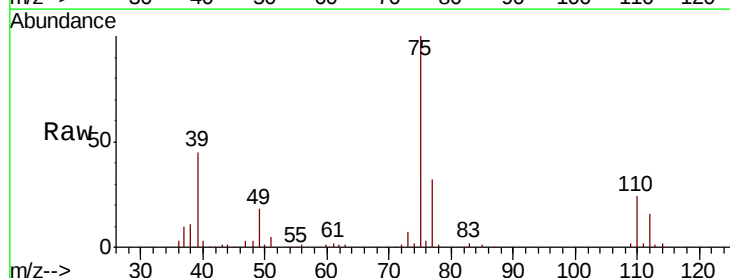
Tgt Ion: 75 Resp: 169552

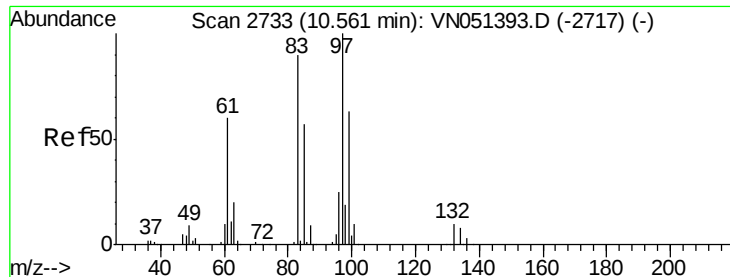
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 44.7 35.4 53.2

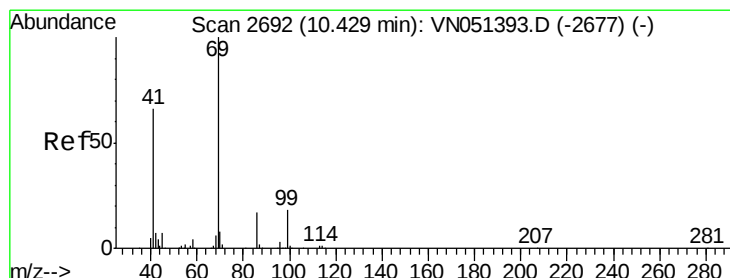
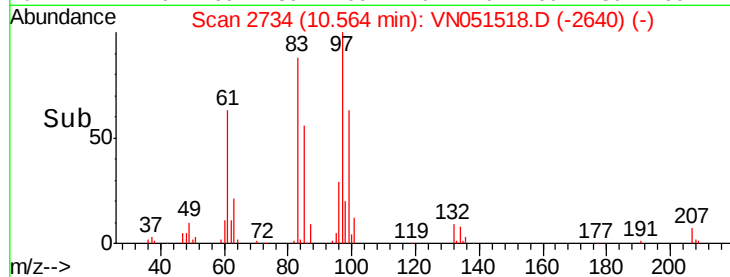
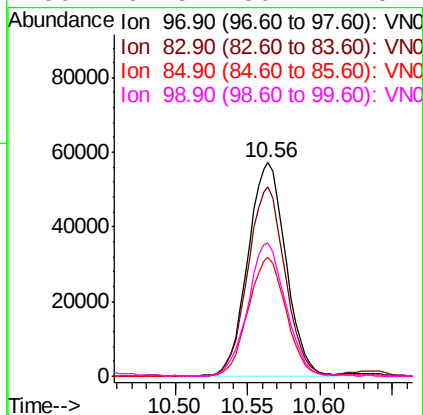
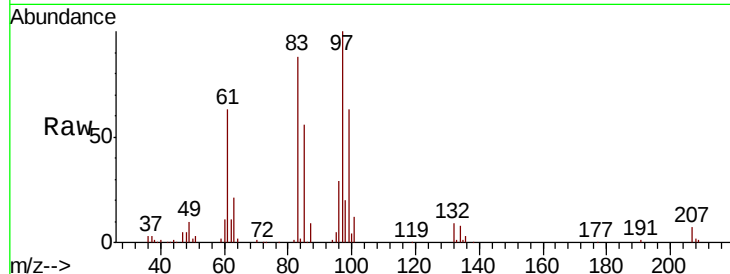




#55
 1,1,2-Trichloroethane
 Concen: 19.775 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

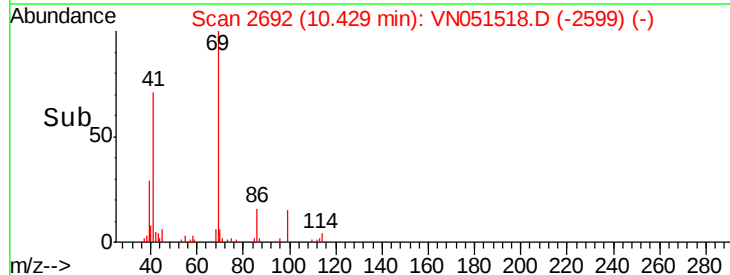
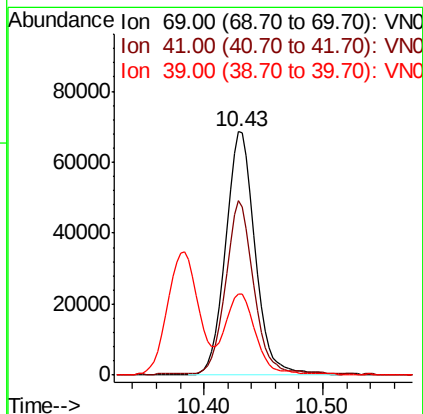
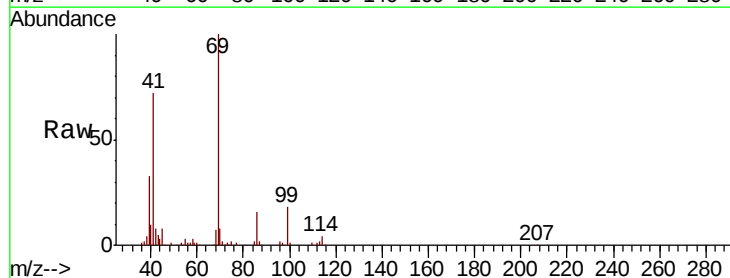
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

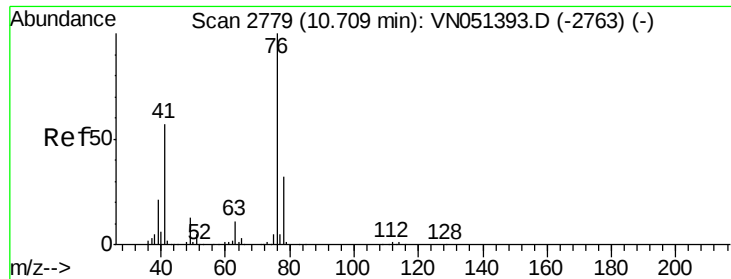
Tot Ion: 97 Resp: 104457
 Ion Ratio Lower Upper
 97 100
 83 88.4 72.0 108.0
 85 55.8 45.2 67.8
 99 62.5 50.7 76.1



#56
 Ethyl methacrylate
 Concen: 18.255 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 69 Resp: 117899
 Ion Ratio Lower Upper
 69 100
 41 67.9 52.4 78.6
 39 33.1 26.3 39.5





#57

1,3-Dichloropropane

Concen: 19.400 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampled :

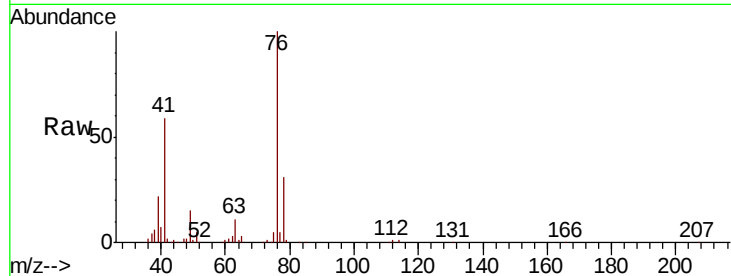
VN0926WBSD02

Tot Ion: 76 Resp: 175640

Ion Ratio Lower Upper

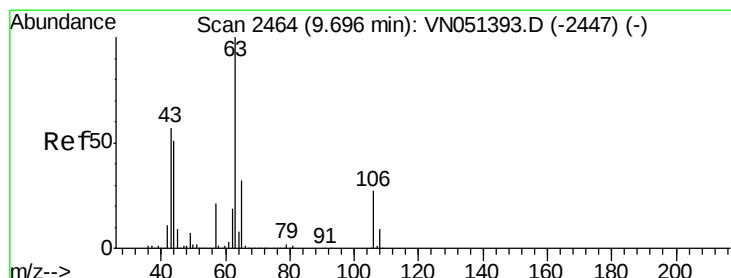
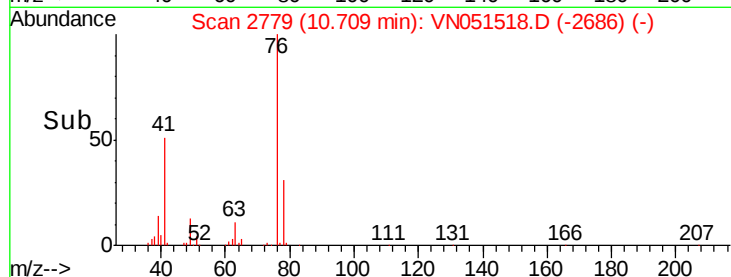
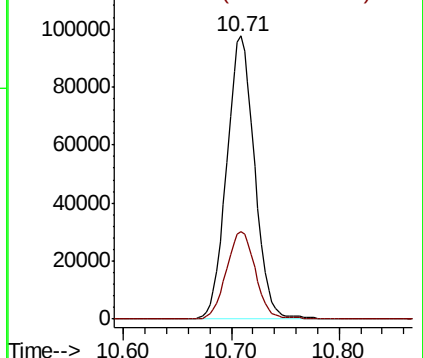
76 100

78 32.4 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: 99.747 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051518.D

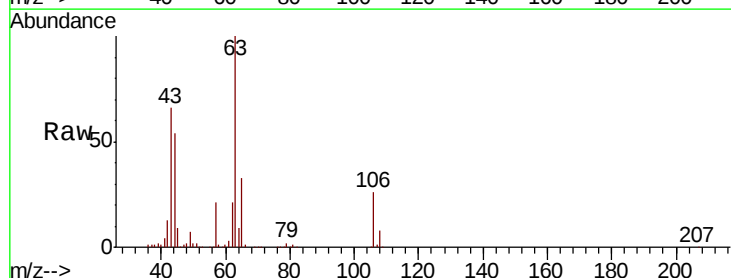
Acq: 26 Sep 2018 6:38

Tgt Ion: 63 Resp: 302040

Ion Ratio Lower Upper

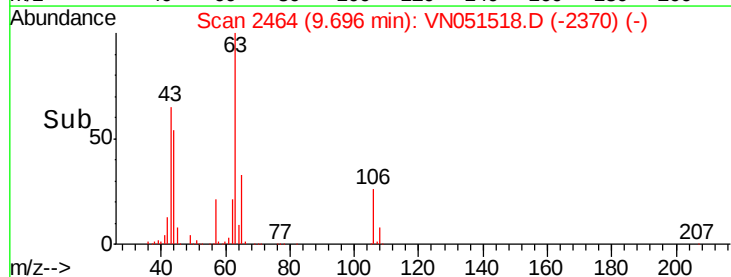
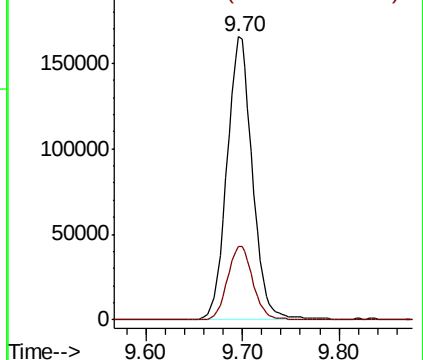
63 100

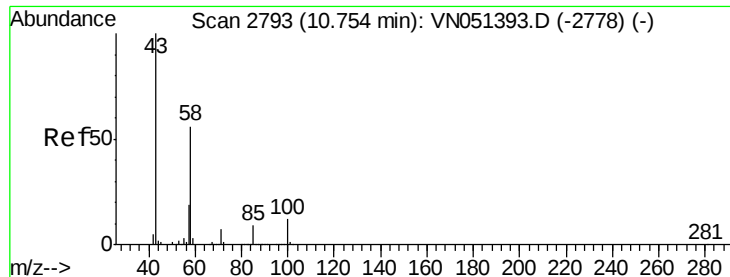
106 25.8 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

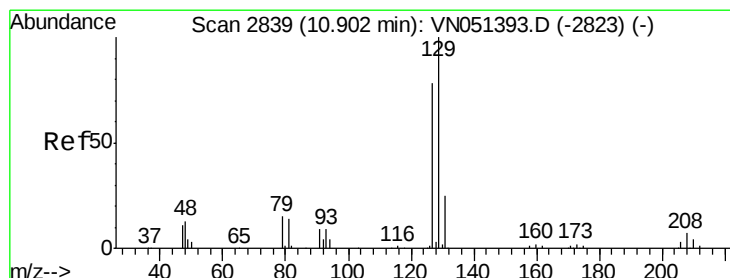
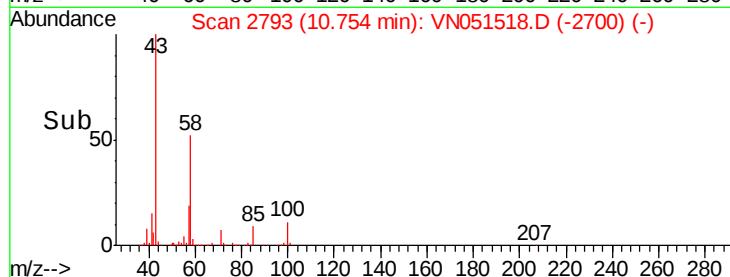
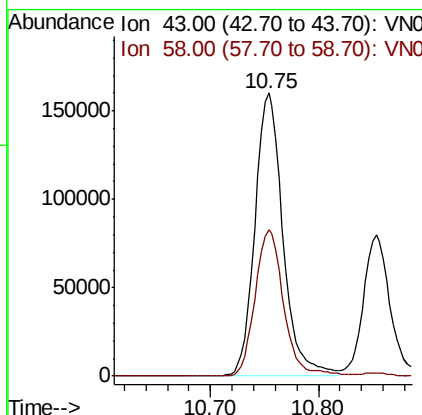
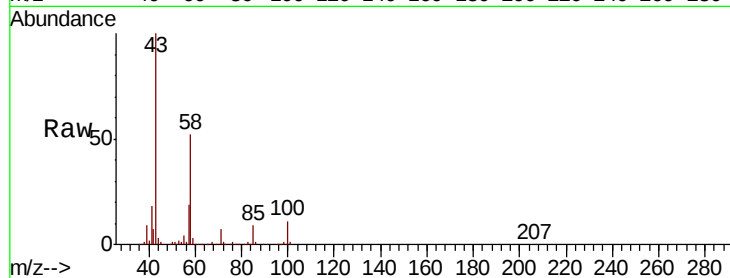




#59
2-Hexanone
Concen: 94.748 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

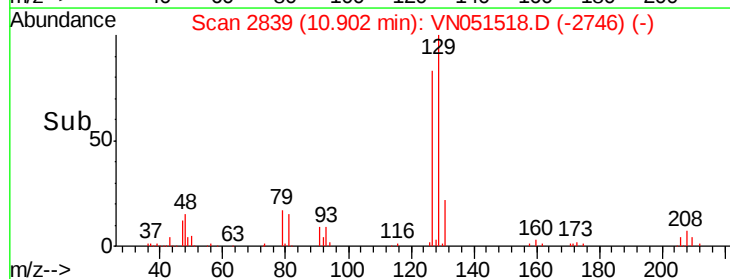
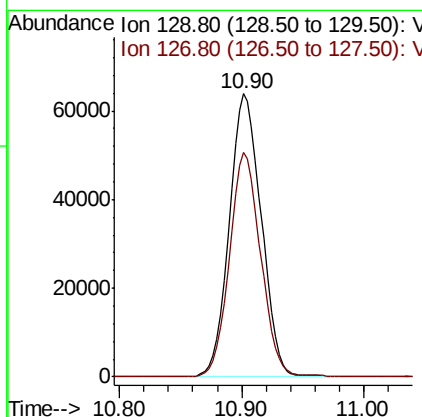
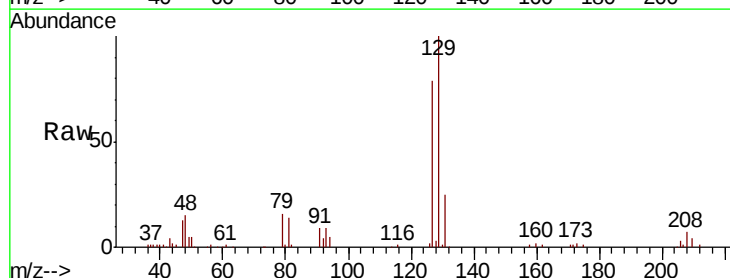
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

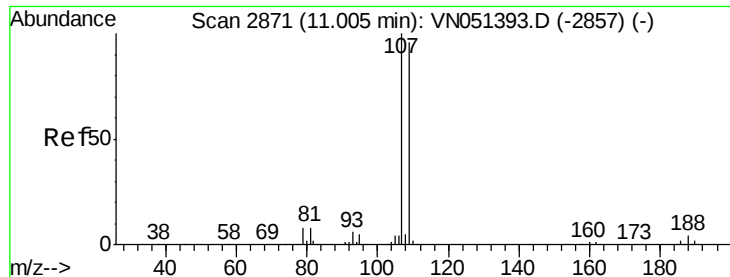
Tot Ion: 43 Resp: 287667
Ion Ratio Lower Upper
43 100
58 52.8 27.7 83.0



#60
Dibromochloromethane
Concen: 18.689 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 129 Resp: 116480
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

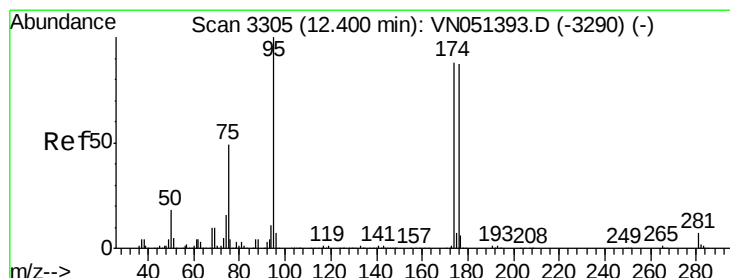
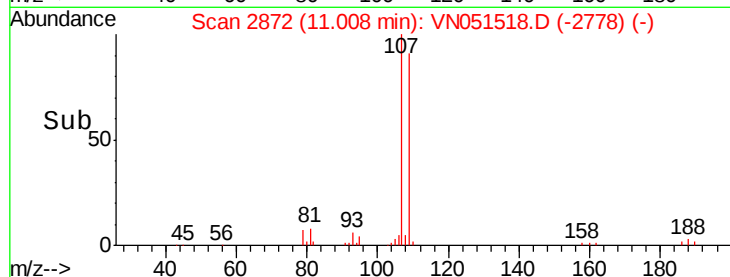
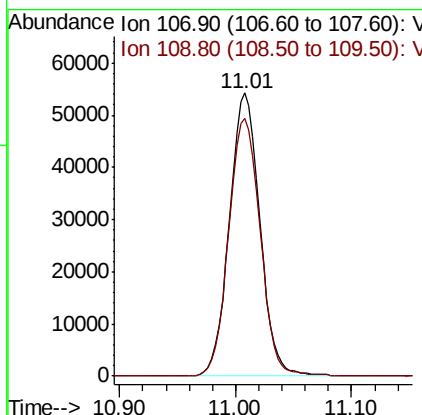
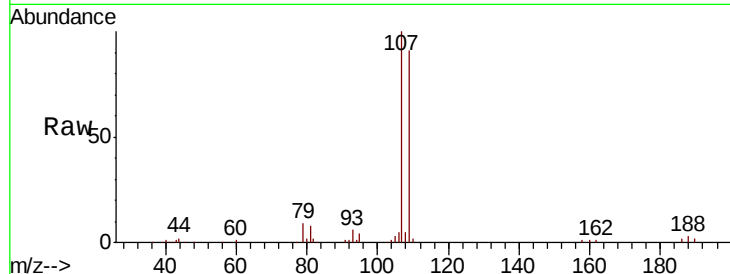




#61
 1,2-Dibromoethane
 Concen: 19.275 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

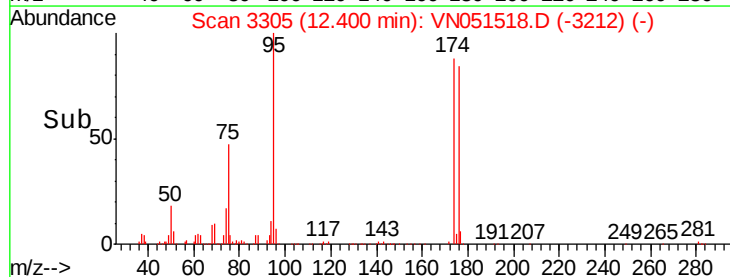
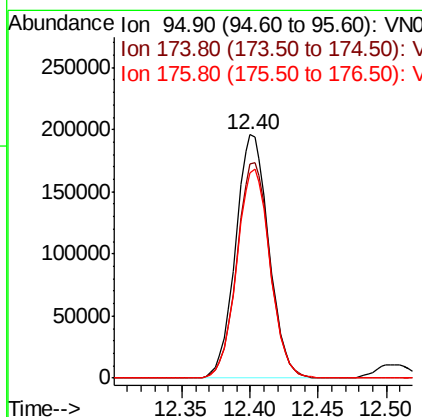
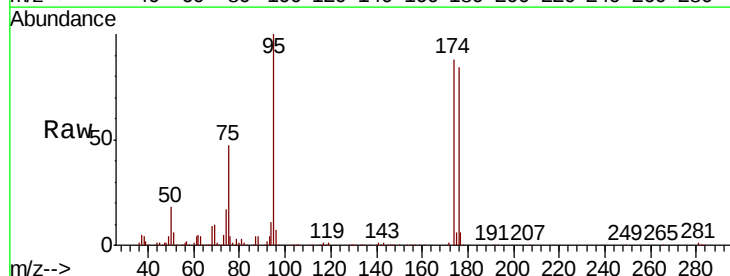
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

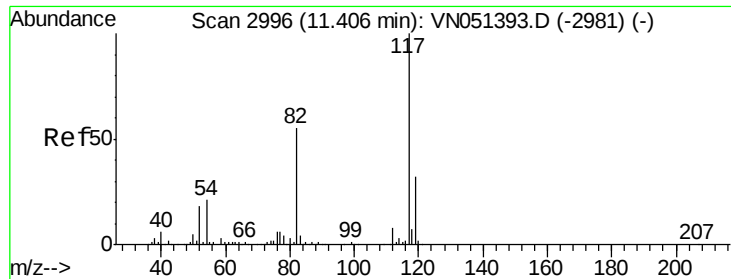
Tot Ion: 107 Resp: 98839
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 48.073 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 95 Resp: 331233
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 181.6
 176 86.0 0.0 176.4

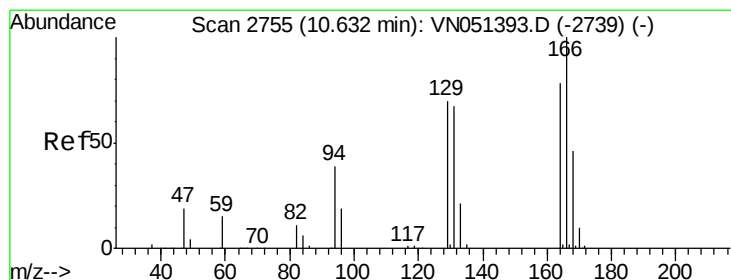
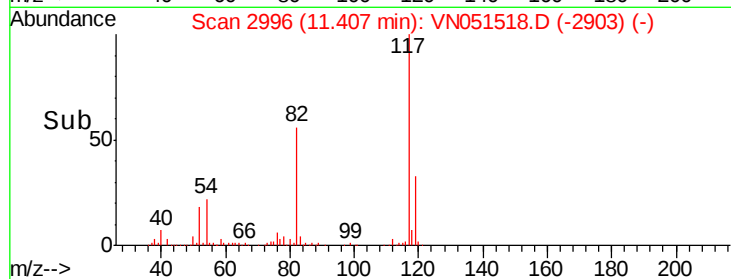
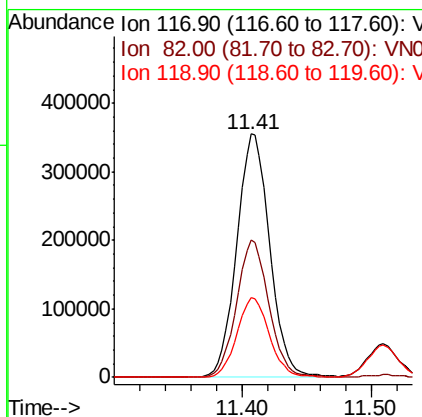
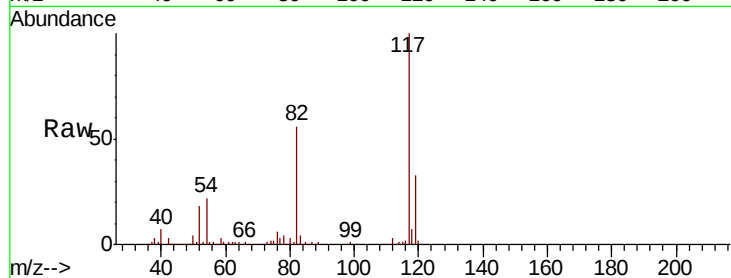




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

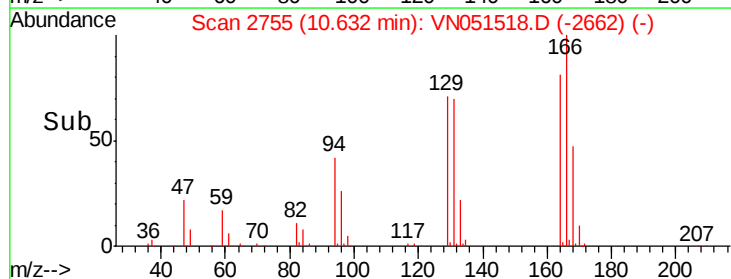
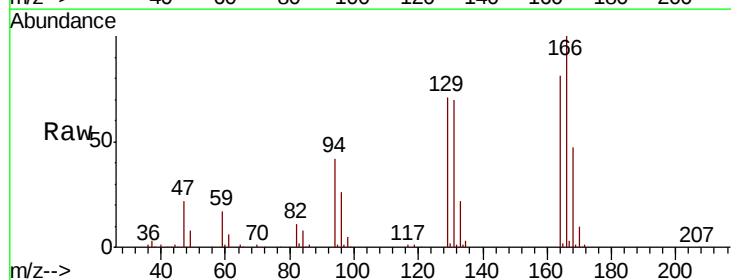
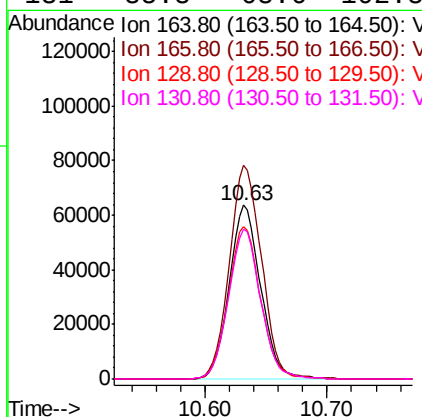
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

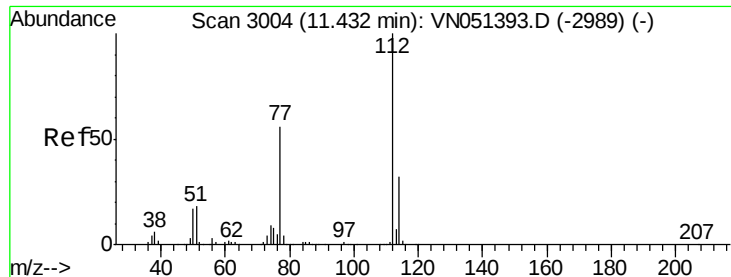
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.2
119	32.7	25.9	38.9



#64
Tetrachloroethene
Concen: 19.922 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	102.3	153.5
129	87.6	71.8	107.8
131	85.8	68.6	102.8

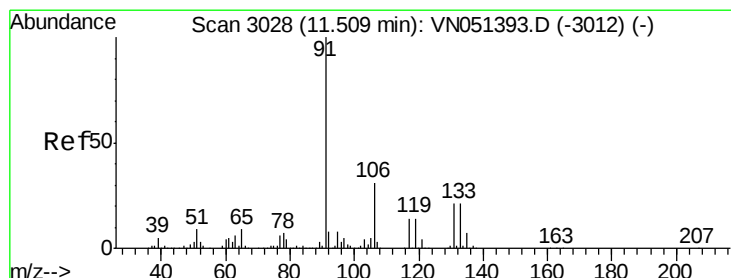
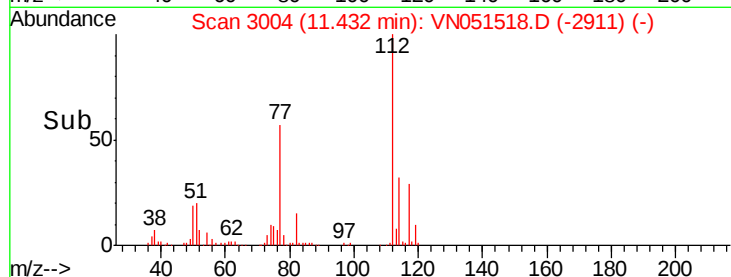
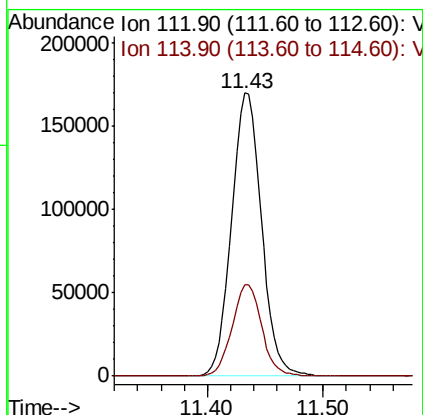
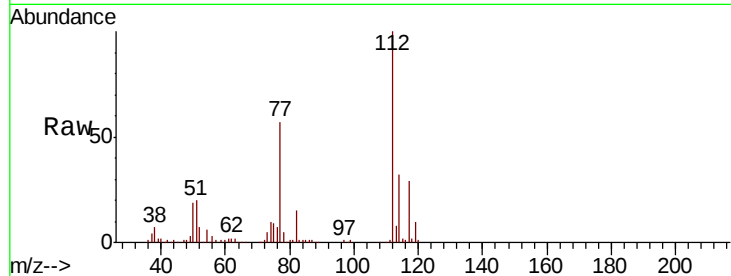




#65
Chlorobenzene
Concen: 18.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

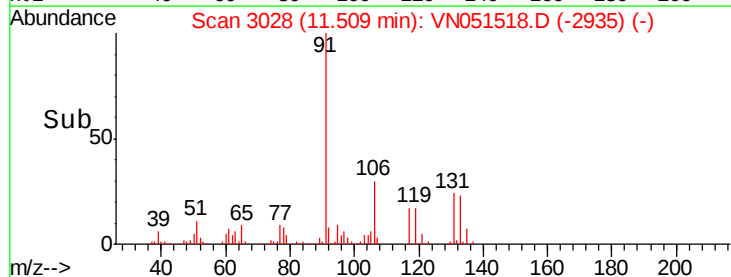
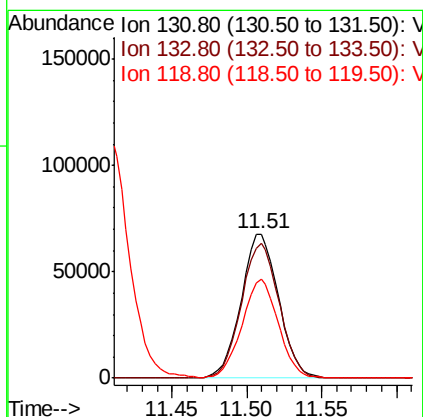
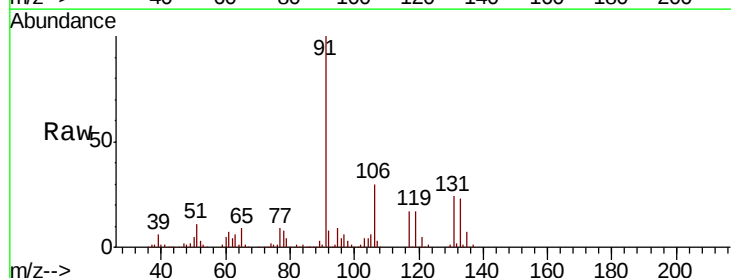
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

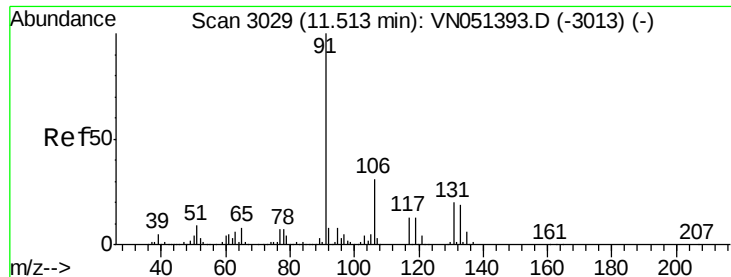
Tot Ion:112 Resp: 303059
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.099 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion:131 Resp: 118110
Ion Ratio Lower Upper
131 100
133 94.7 48.3 144.8
119 66.7 32.8 98.4

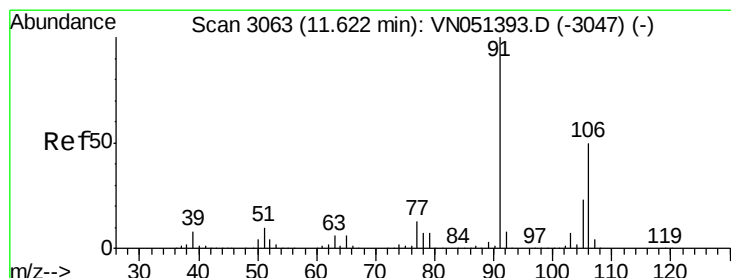
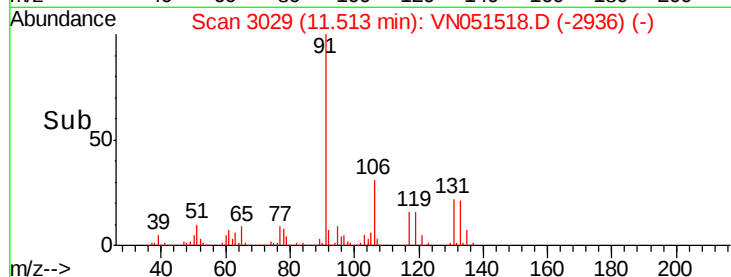
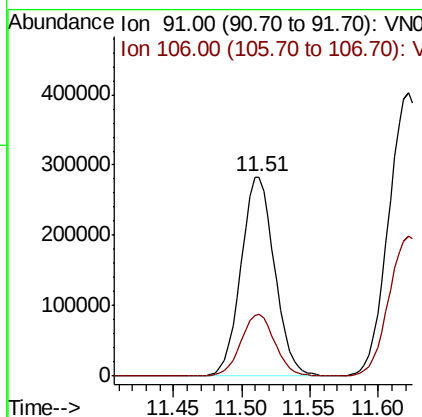
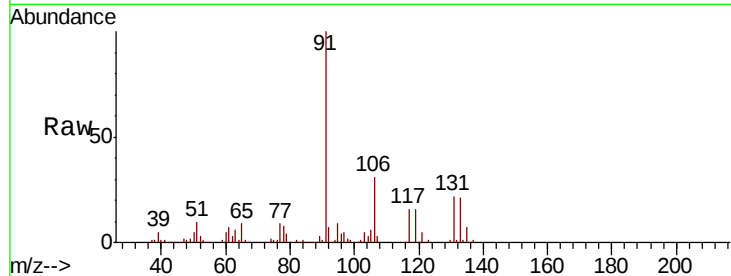




#67
Ethyl Benzene
Concen: 17.731 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

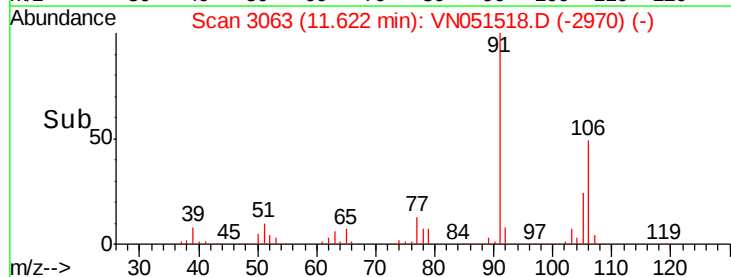
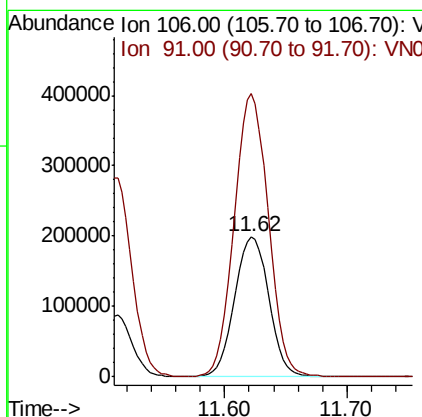
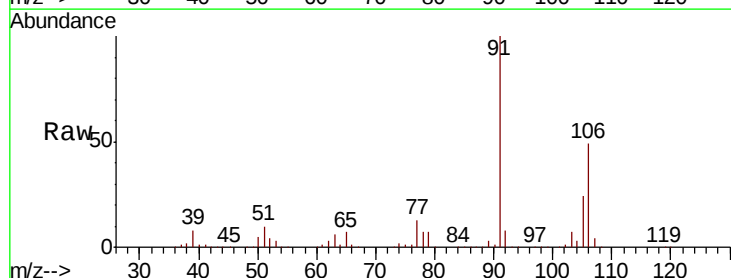
Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD02

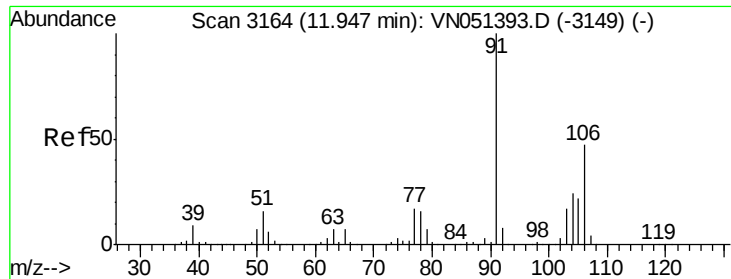
Tot Ion: 91 Resp: 485012
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 36.514 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 106 Resp: 386352
Ion Ratio Lower Upper
106 100
91 201.5 161.3 241.9

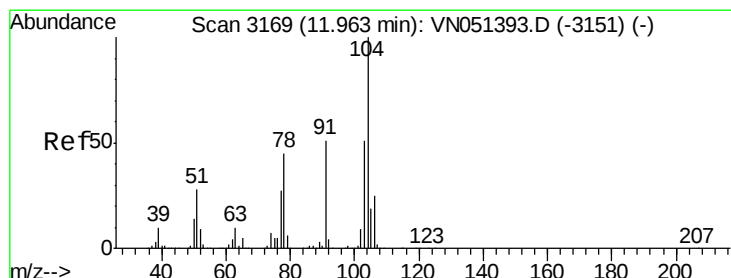
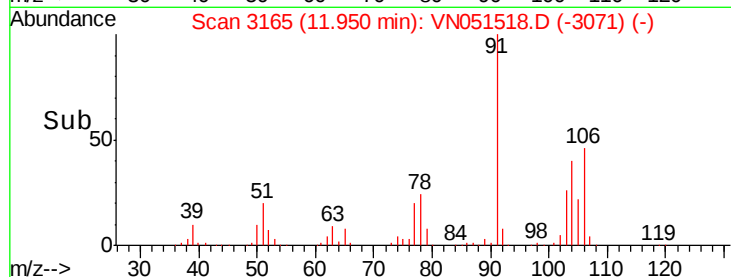
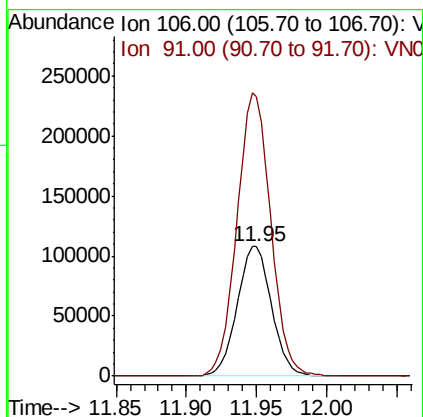
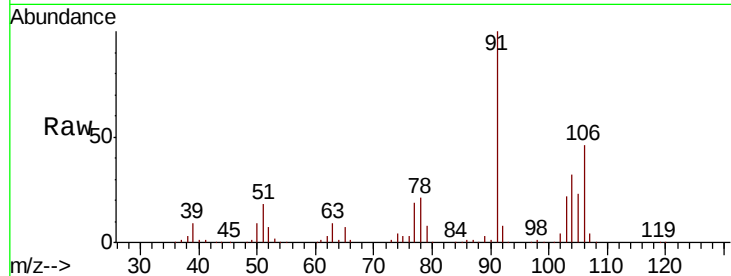




#69
o-Xylene
Concen: 18.060 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

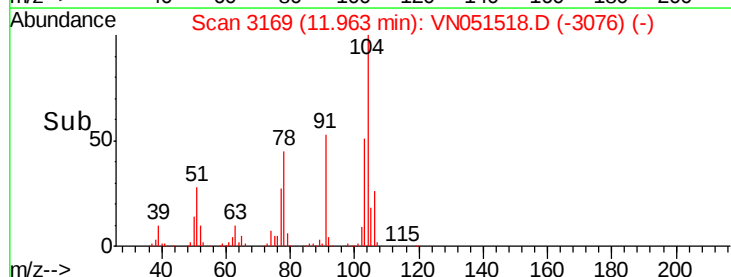
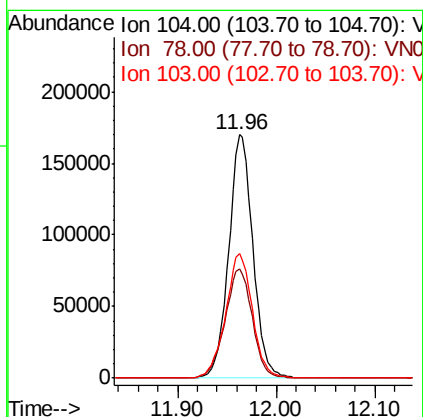
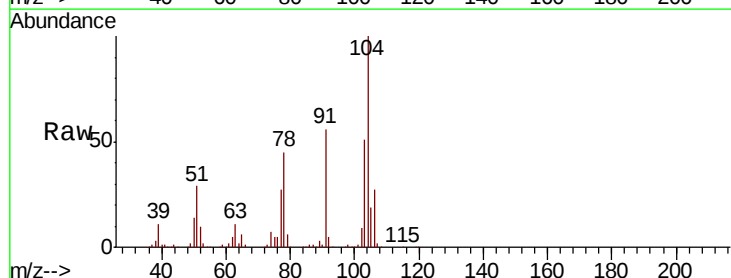
Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD02

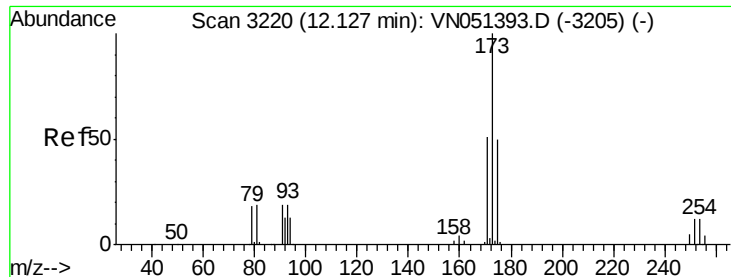
Tot Ion:106 Resp: 183703
Ion Ratio Lower Upper
106 100
91 215.3 105.3 315.9



#70
Styrene
Concen: 18.130 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion:104 Resp: 292223
Ion Ratio Lower Upper
104 100
78 50.6 39.9 59.9
103 56.5 44.6 66.8





#71

Bromoform

Concen: 18.315 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

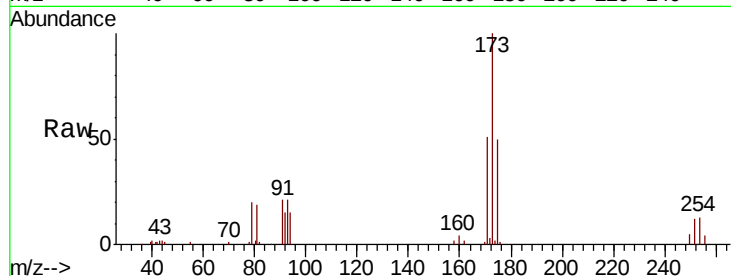
Tot Ion:173 Resp: 76851

Ion Ratio Lower Upper

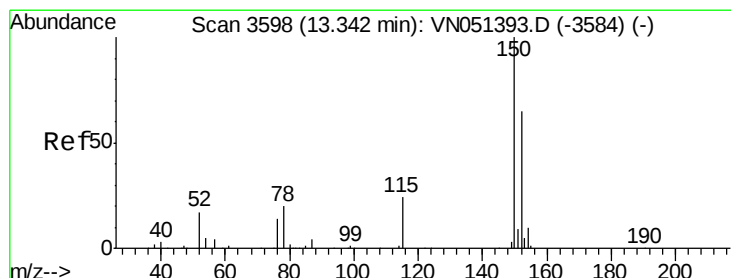
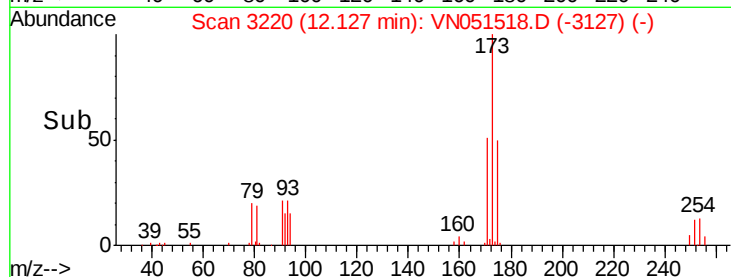
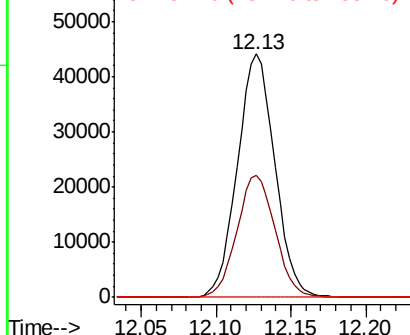
173 100

175 50.9 24.8 74.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

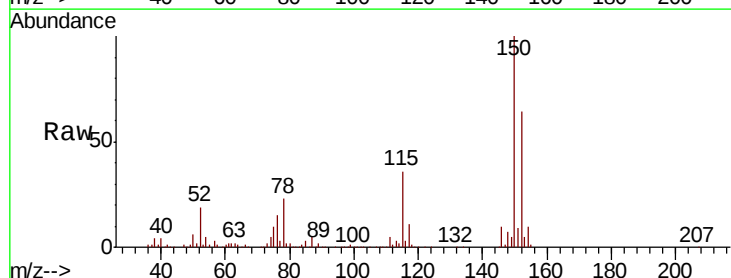
Tgt Ion:152 Resp: 311687

Ion Ratio Lower Upper

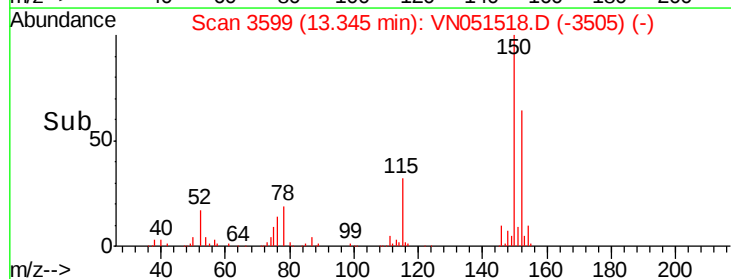
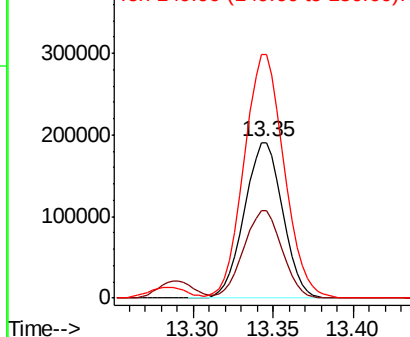
152 100

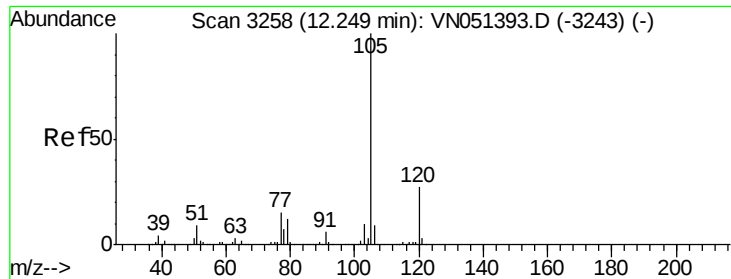
115 56.5 28.3 84.9

150 163.7 0.0 353.6



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





#73

Isopropylbenzene

Concen: 18.682 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

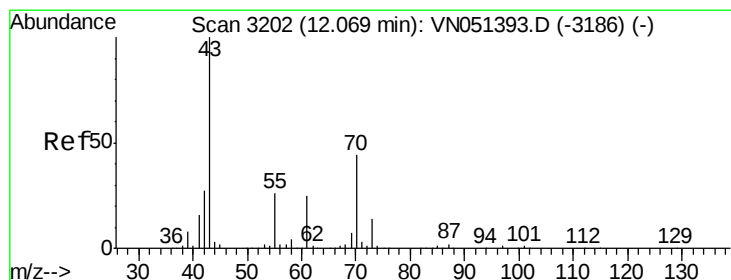
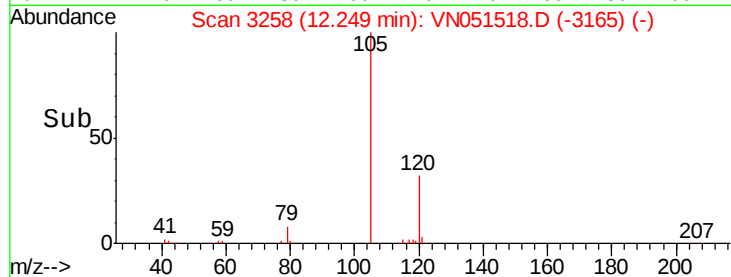
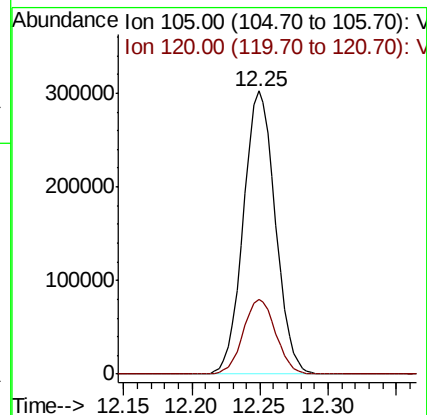
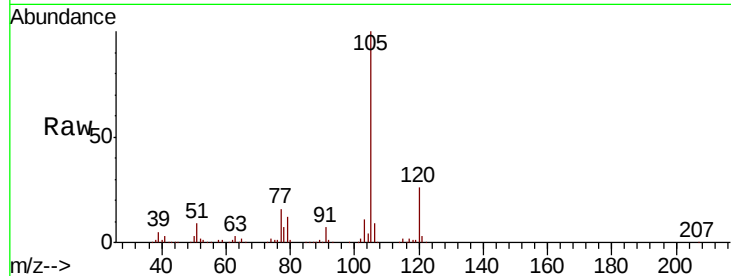
VN0926WBSD02

Tot Ion:105 Resp: 491292

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 19.754 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion: 43 Resp: 130342

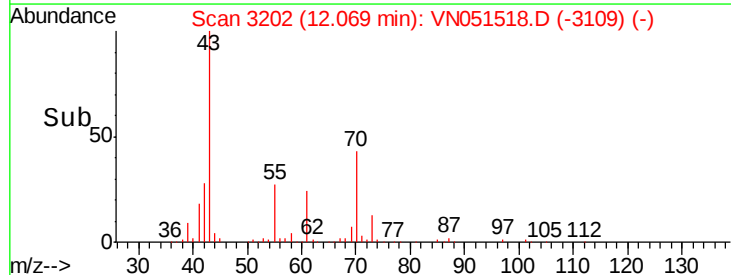
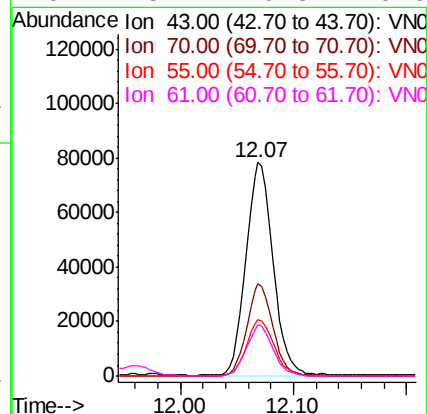
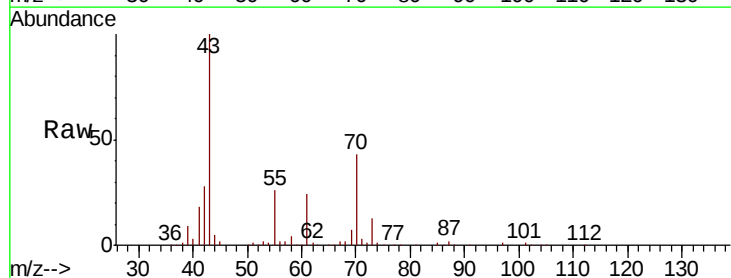
Ion Ratio Lower Upper

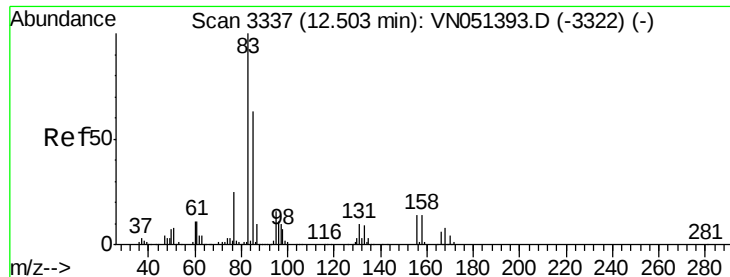
43 100

70 41.6 35.0 52.4

55 26.7 21.4 32.2

61 23.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

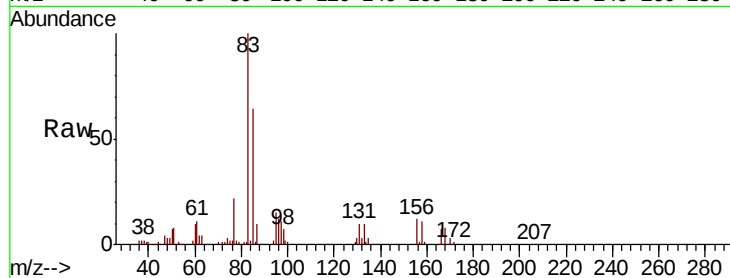
Tot Ion: 83 Resp: 129598

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

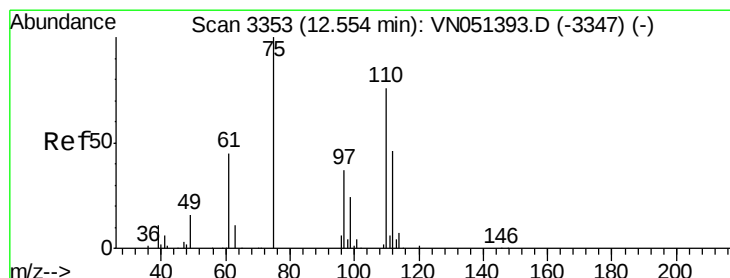
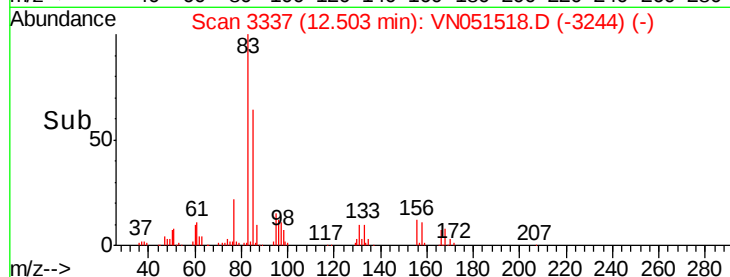
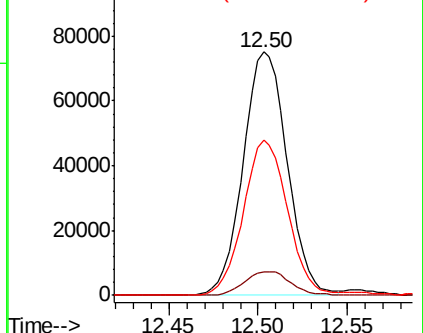
85 64.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.586 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051518.D

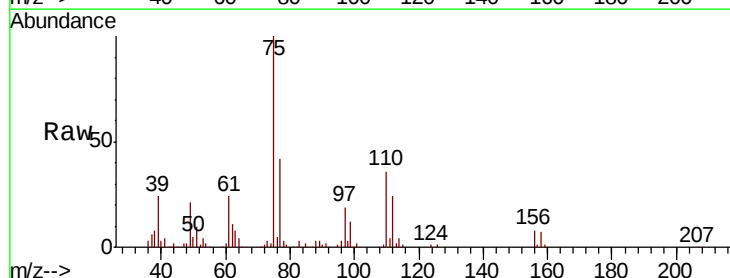
Acq: 26 Sep 2018 6:38

Tgt Ion: 75 Resp: 147911

Ion Ratio Lower Upper

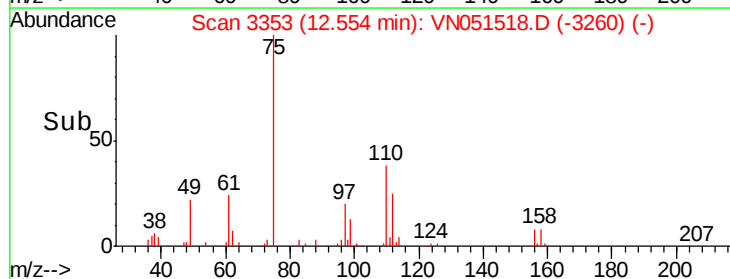
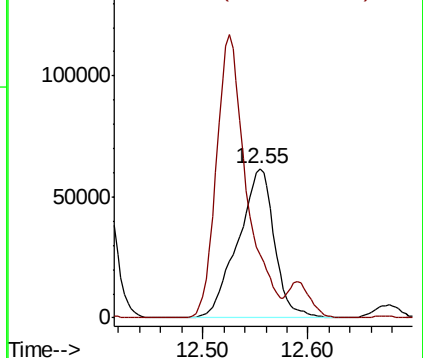
75 100

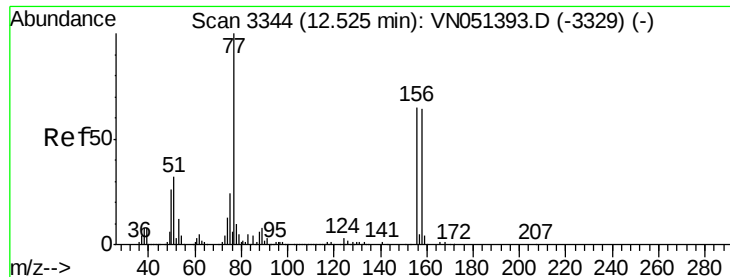
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

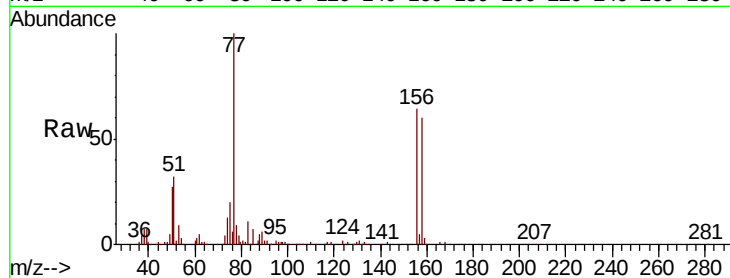
Tot Ion:156 Resp: 127549

Ion Ratio Lower Upper

156 100

77 183.2 89.5 268.4

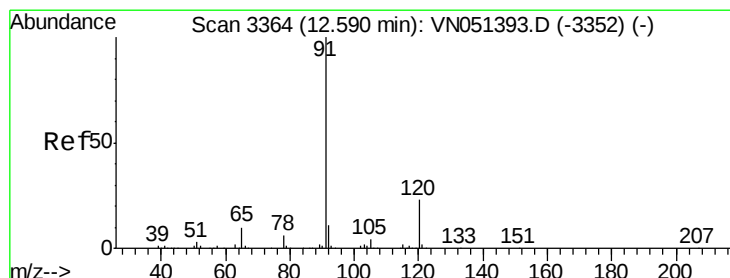
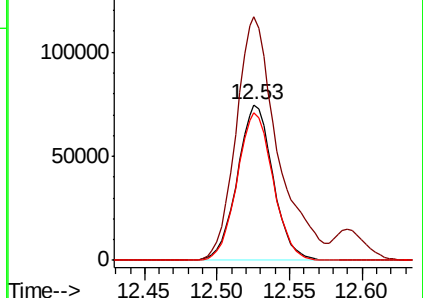
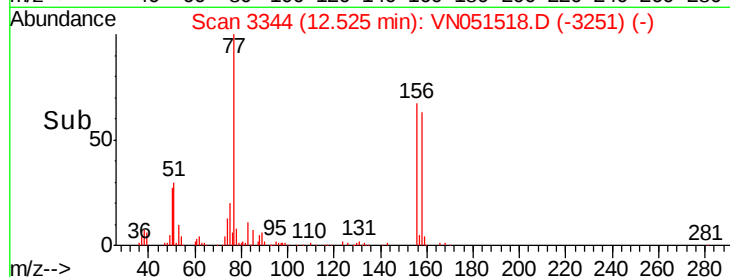
158 95.8 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.814 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051518.D

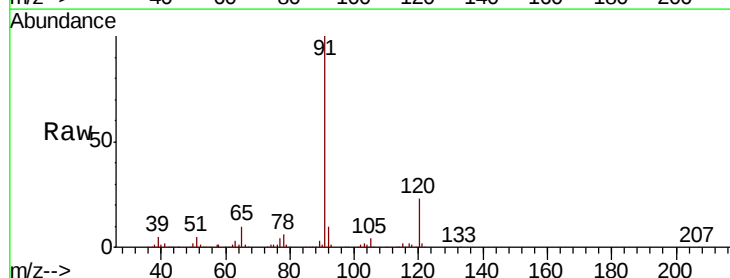
Acq: 26 Sep 2018 6:38

Tgt Ion: 91 Resp: 557638

Ion Ratio Lower Upper

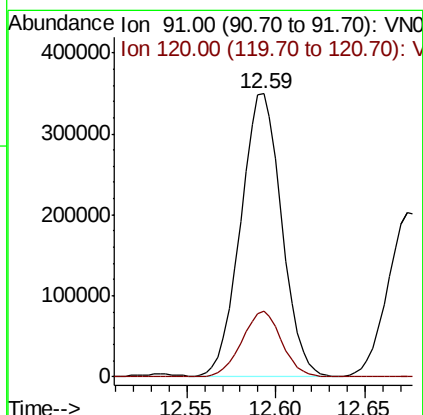
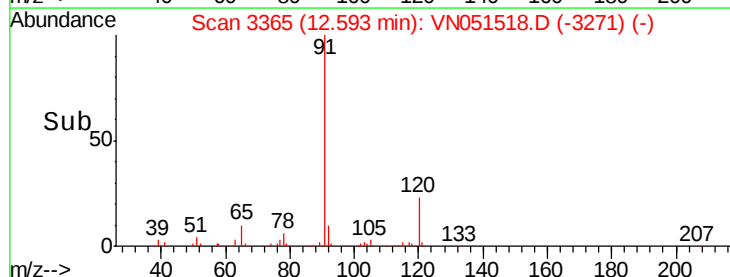
91 100

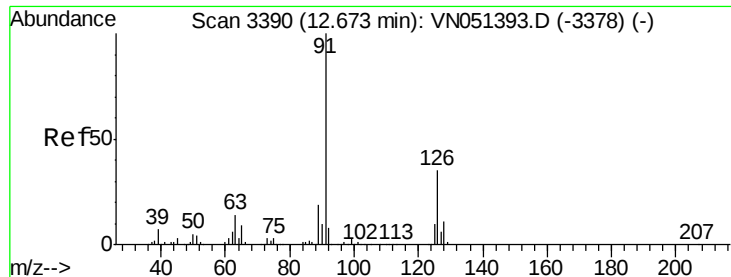
120 22.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.255 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

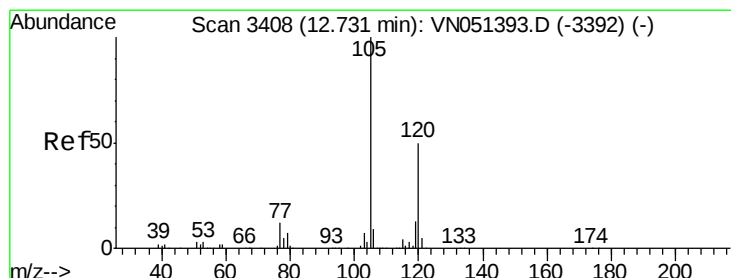
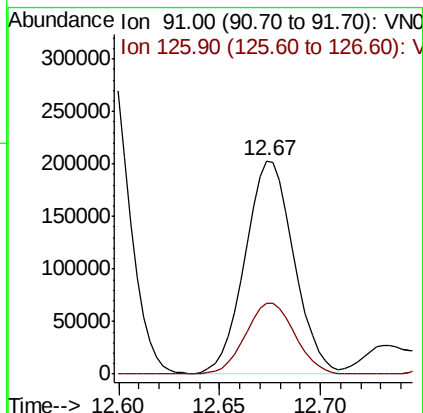
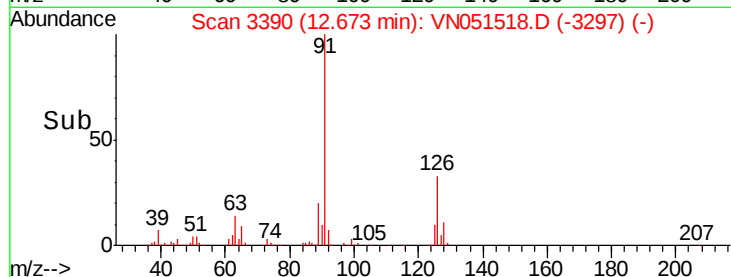
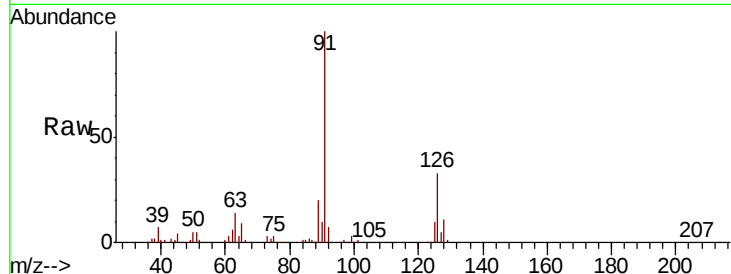
VN0926WBSD02

Tot Ion: 91 Resp: 341602

Ion Ratio Lower Upper

91 100

126 34.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 19.456 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051518.D

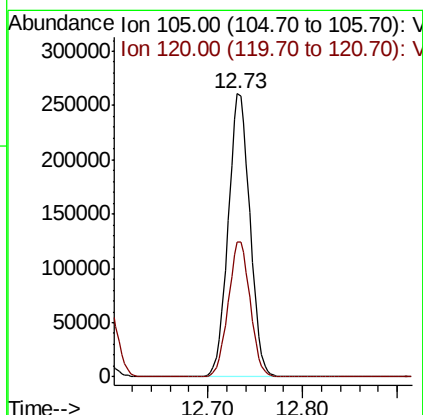
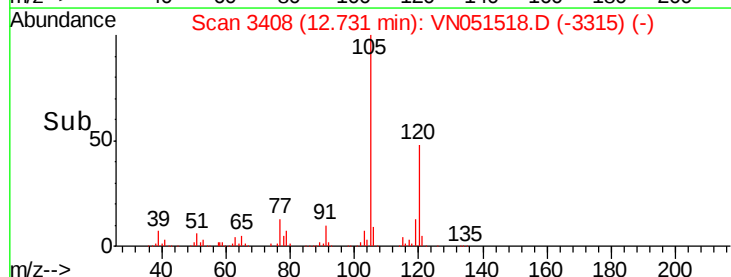
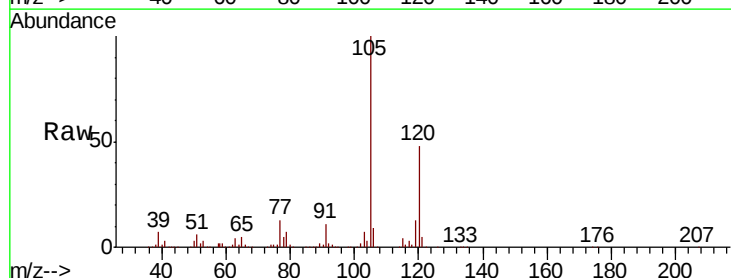
Acq: 26 Sep 2018 6:38

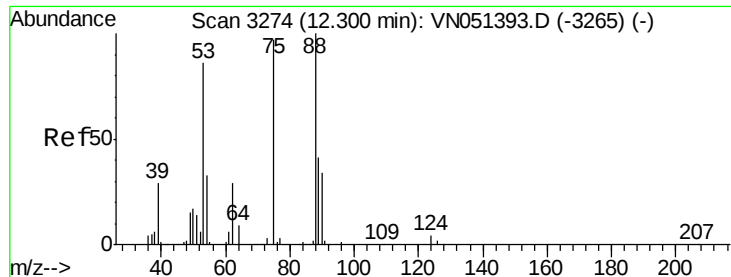
Tgt Ion: 105 Resp: 417206

Ion Ratio Lower Upper

105 100

120 47.9 24.8 74.4

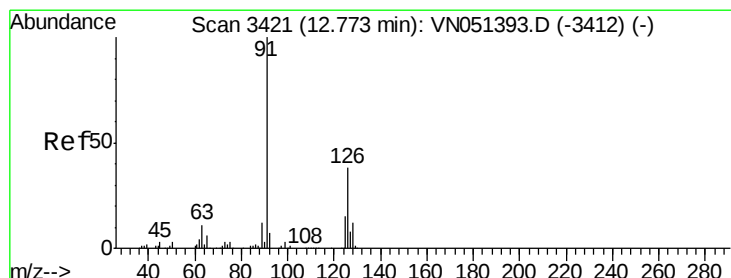
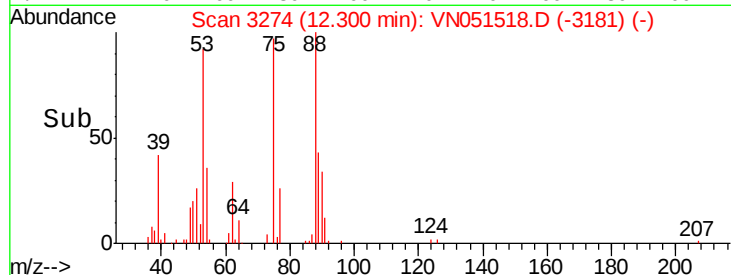
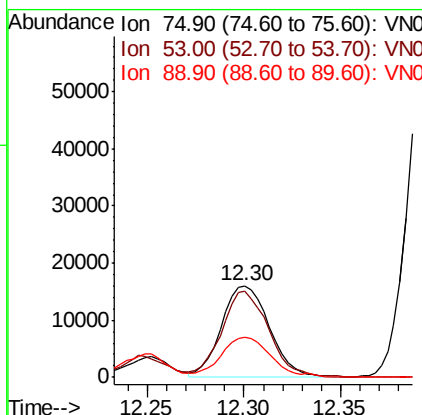
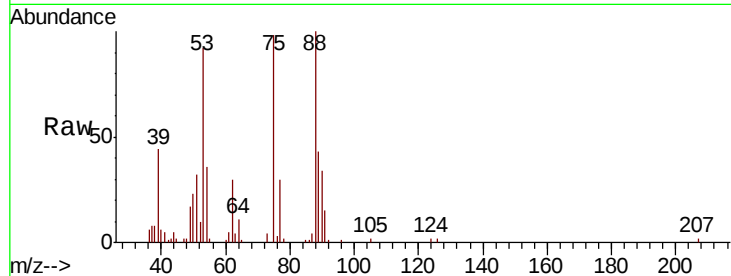




#81
trans-1,4-Dichloro-2-butene
Concen: 16.453 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

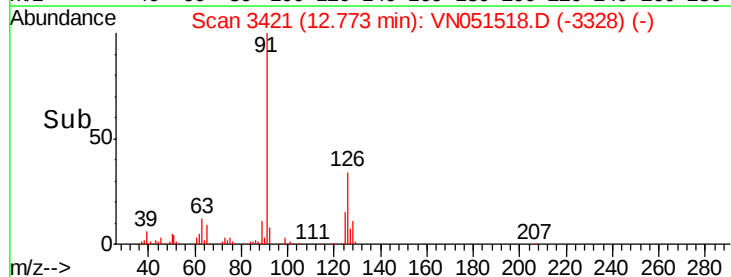
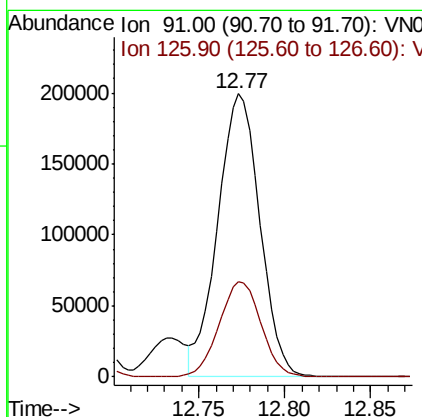
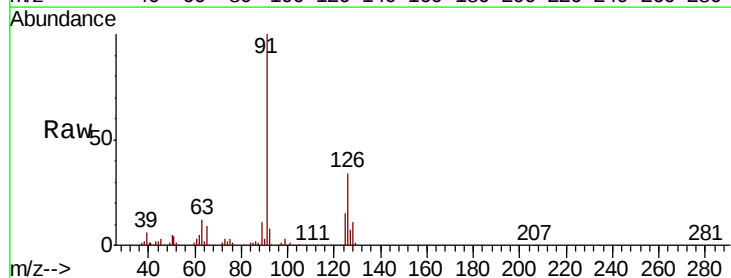
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

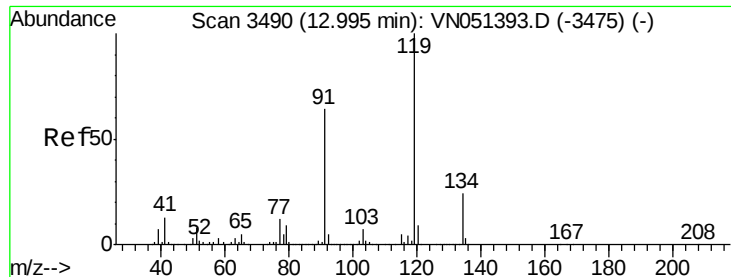
Tot Ion: 75 Resp: 27686
Ion Ratio Lower Upper
75 100
53 92.6 73.9 110.9
89 45.6 36.7 55.1



#82
4-Chlorotoluene
Concen: 19.207 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 91 Resp: 340102
Ion Ratio Lower Upper
91 100
126 33.6 17.5 52.5

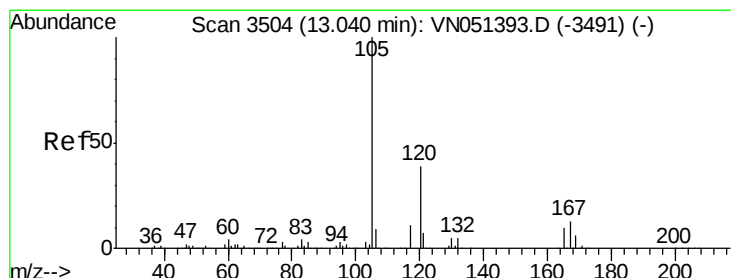
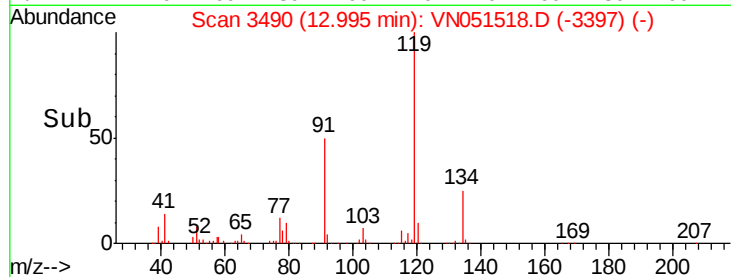
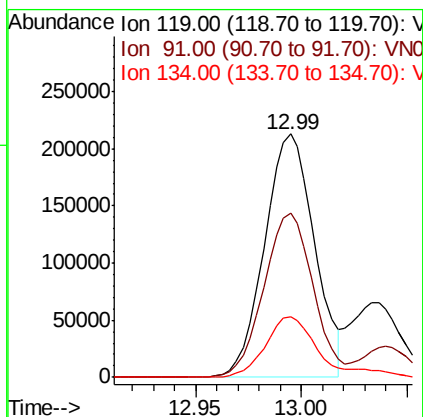
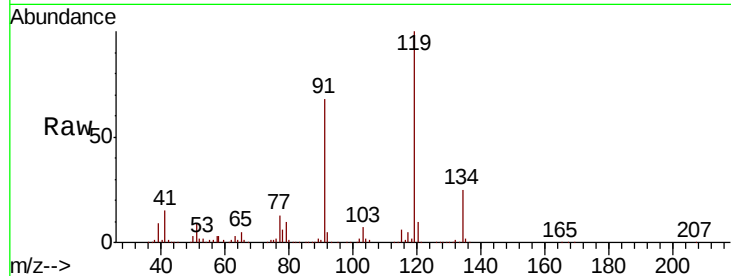




#83
tert-Butylbenzene
Concen: 18.371 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

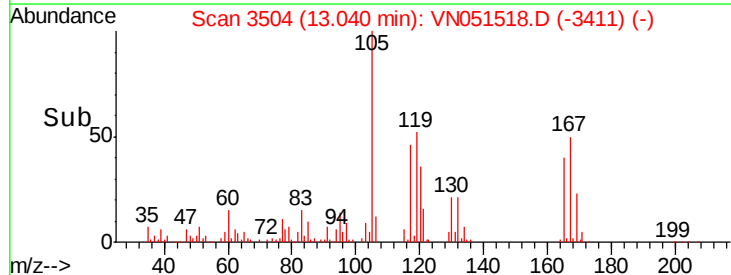
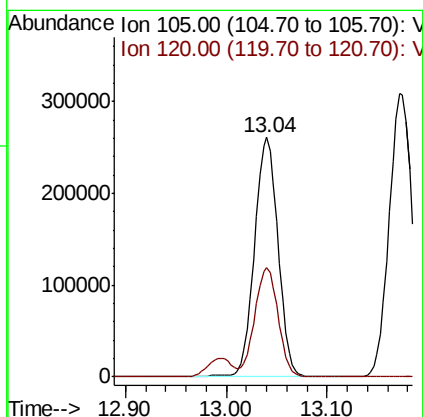
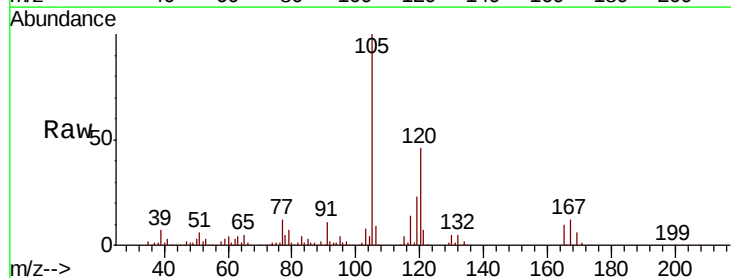
Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD02

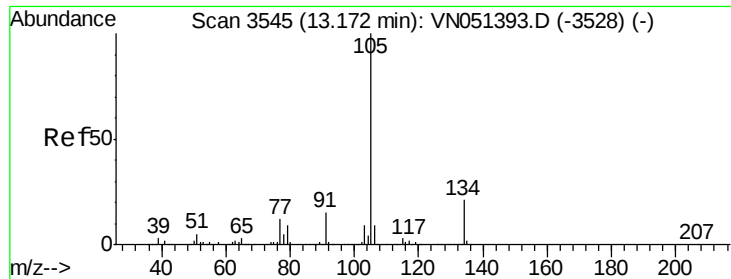
Tot Ion:119 Resp: 350636
Ion Ratio Lower Upper
119 100
91 66.5 31.7 95.1
134 26.9 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 19.419 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion:105 Resp: 419607
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.7

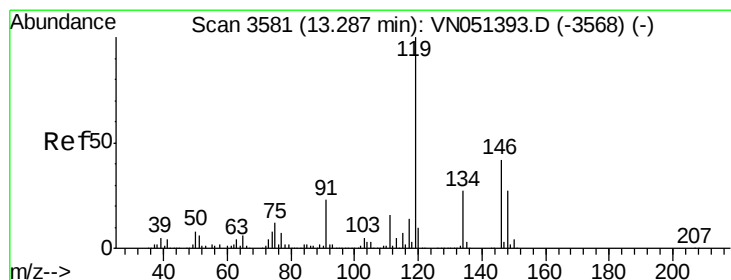
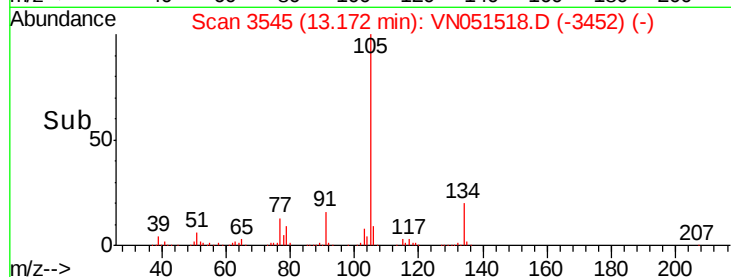
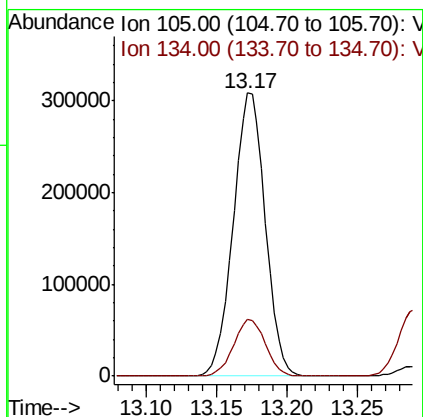
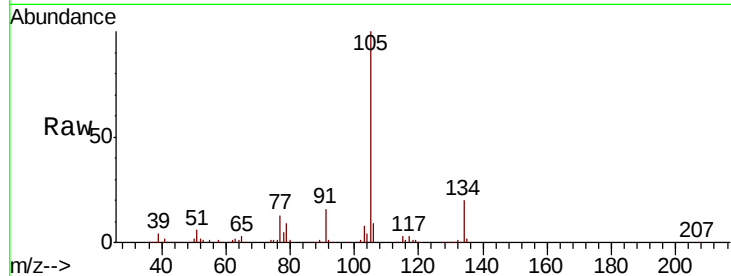




#85
 sec-Butylbenzene
 Concen: 18.985 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

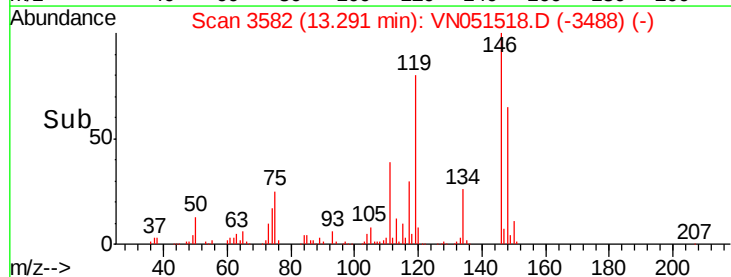
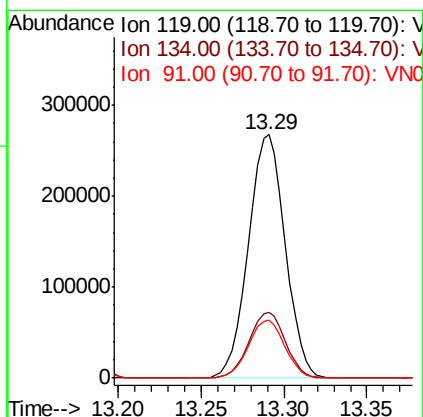
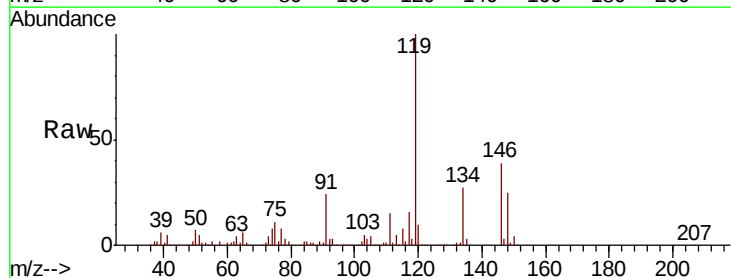
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

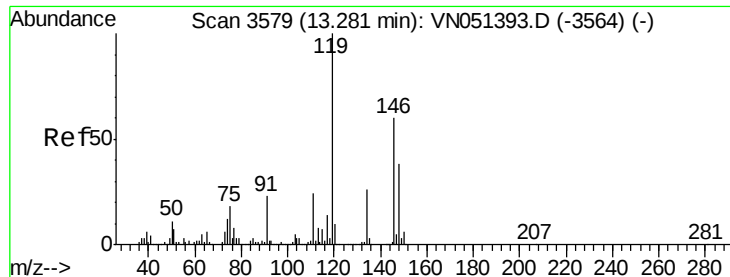
Tot Ion:105 Resp: 490207
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 18.446 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion:119 Resp: 412145
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 23.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.851 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

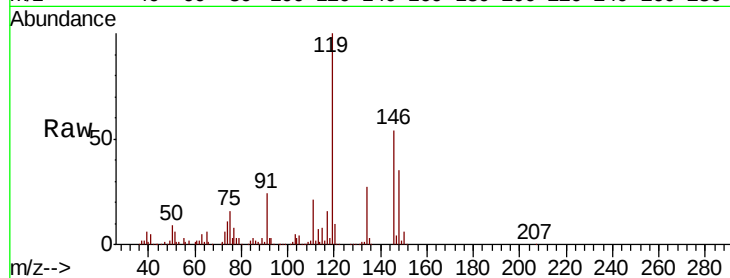
Tot Ion:146 Resp: 217179

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.1

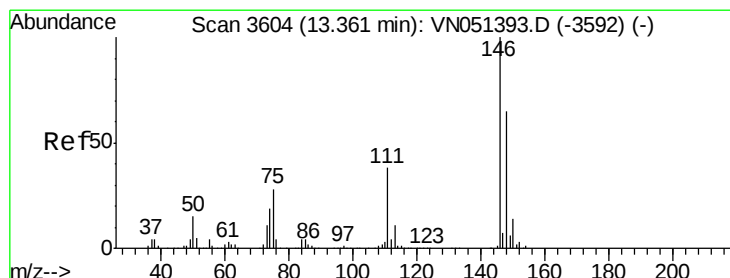
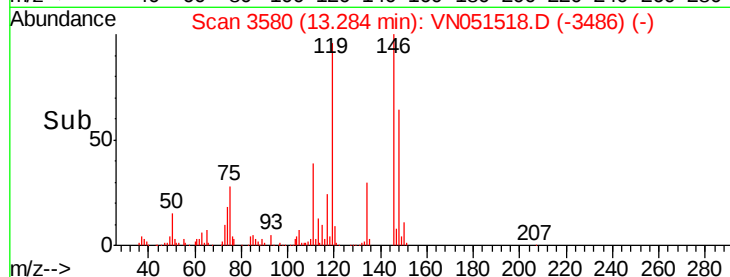
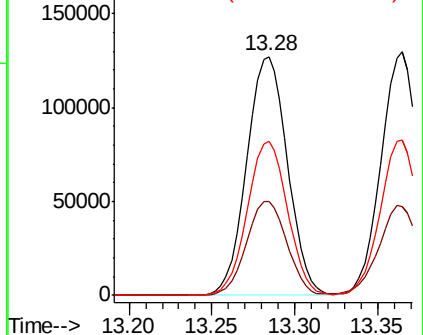
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.793 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

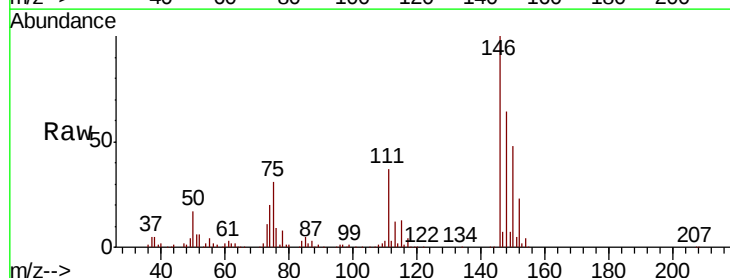
Tgt Ion:146 Resp: 208321

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.1

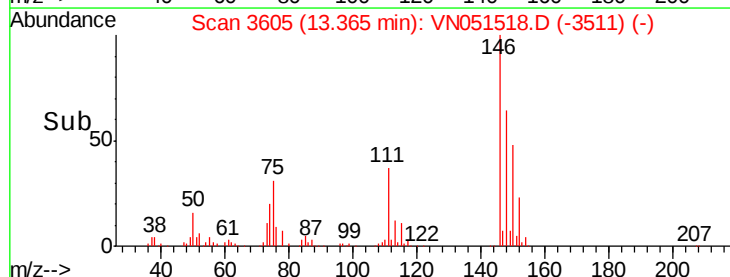
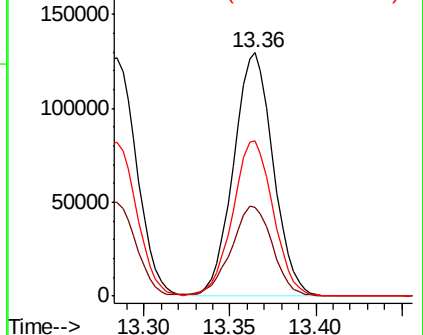
148 65.0 32.5 97.5

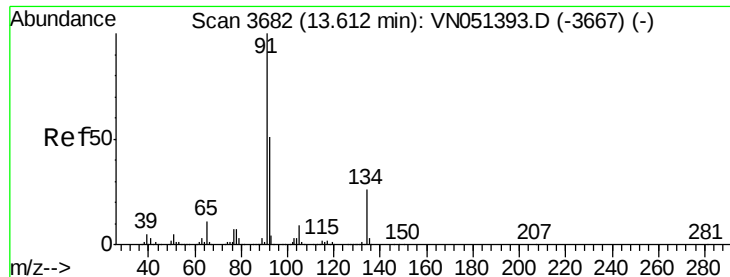


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.413 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampled :

VN0926WBSD02

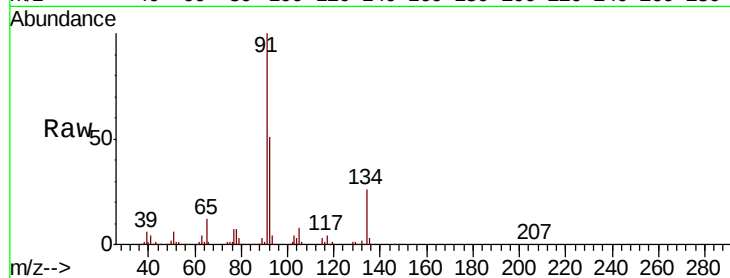
Tot Ion: 91 Resp: 319917

Ion Ratio Lower Upper

91 100

92 50.7 25.5 76.5

134 25.6 13.3 39.8

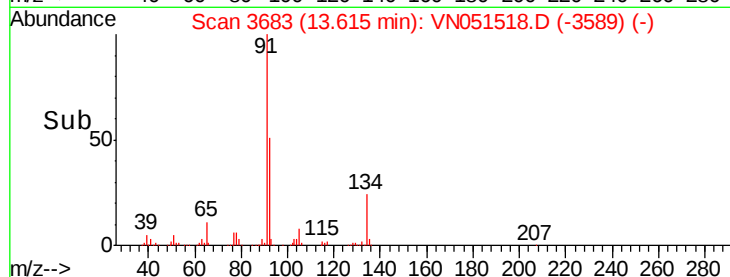


Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)

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

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

Time-->

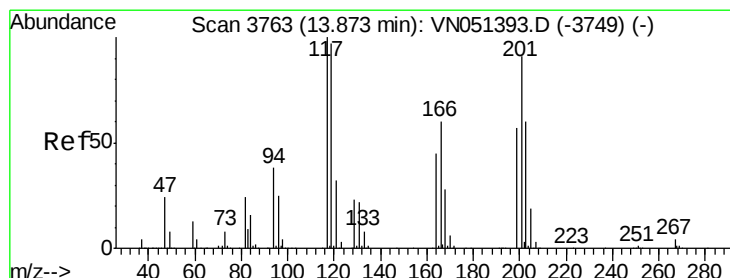


Abundance Ion 91.00 (90.70 to 91.70): VN051518.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051518.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051518.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 18.818 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051518.D

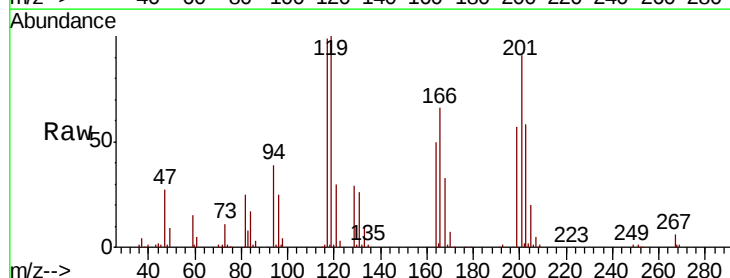
Acq: 26 Sep 2018 6:38

Tgt Ion: 117 Resp: 83771

Ion Ratio Lower Upper

117 100

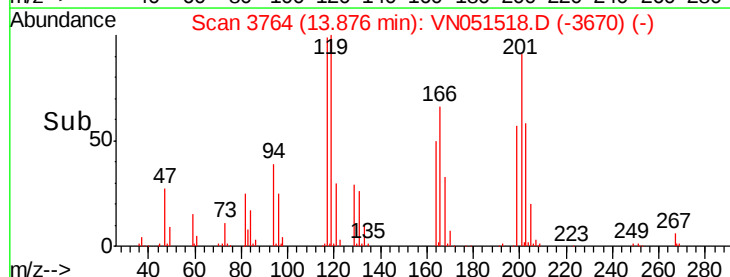
201 90.7 45.5 136.4



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

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

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN051518.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051518.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 19.410 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

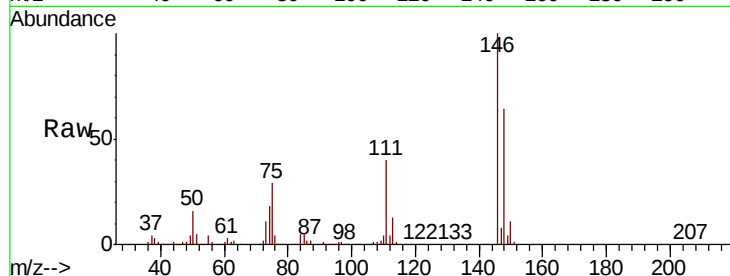
Tot Ion:146 Resp: 216971

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

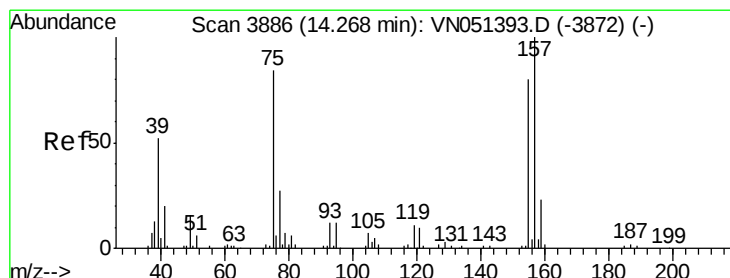
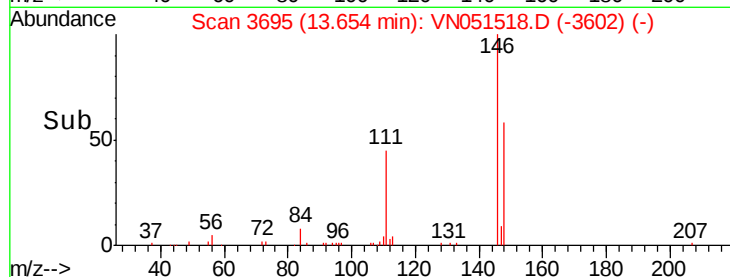
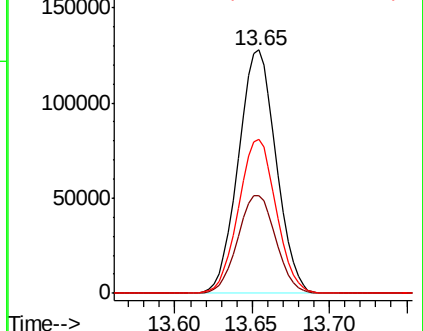
148 63.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.437 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

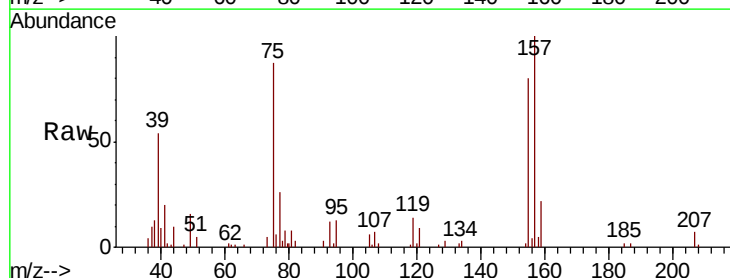
Tgt Ion: 75 Resp: 17886

Ion Ratio Lower Upper

75 100

155 90.9 46.9 140.6

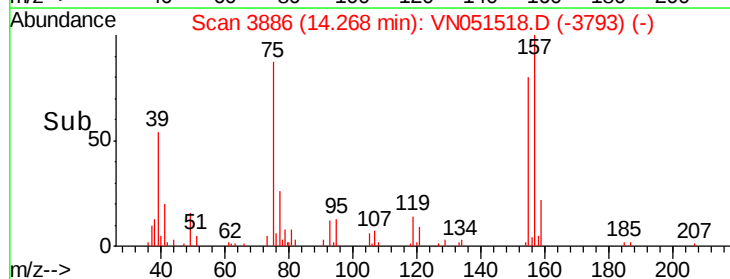
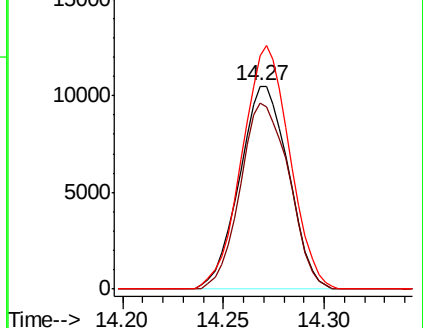
157 116.4 58.4 175.1

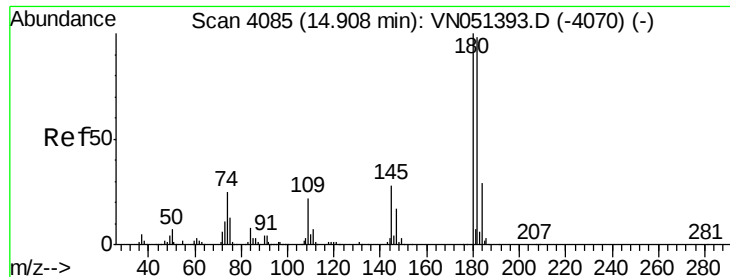


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

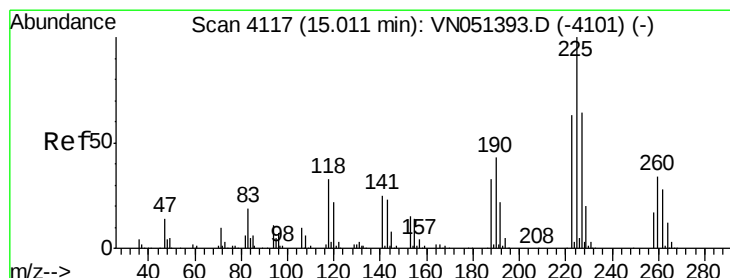
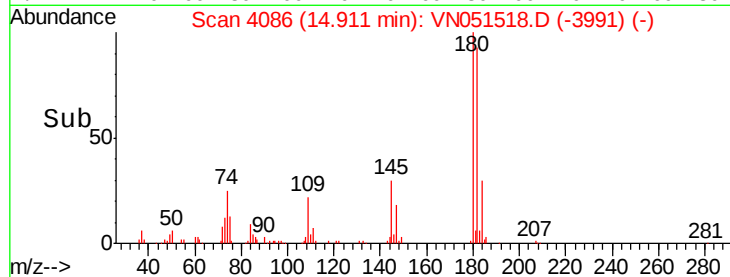
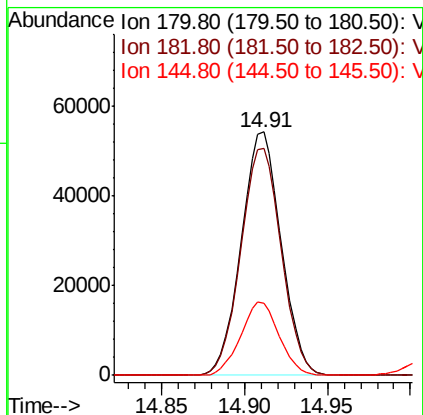
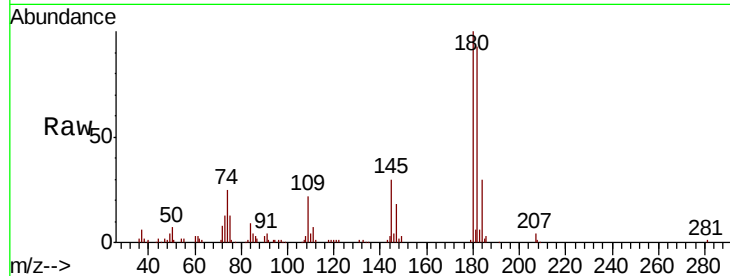




#93
 1,2,4-Trichlorobenzene
 Concen: 19.204 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

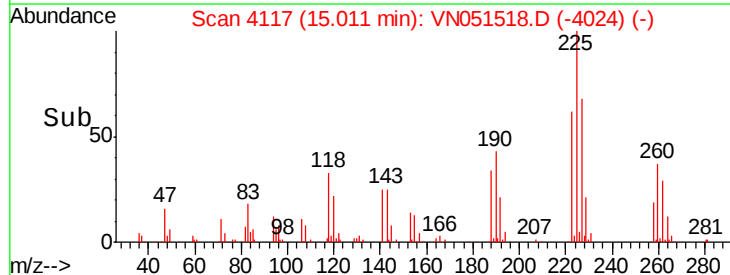
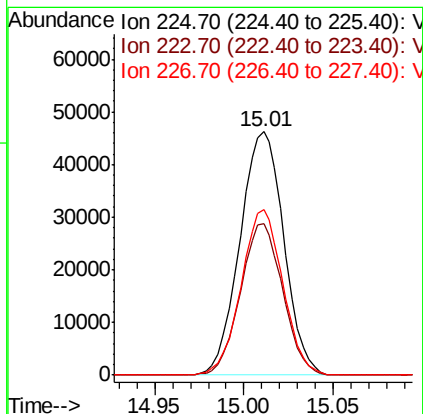
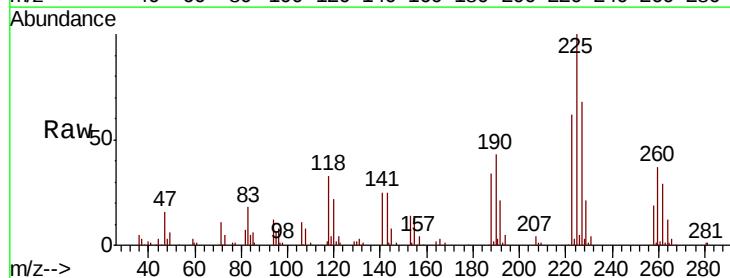
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

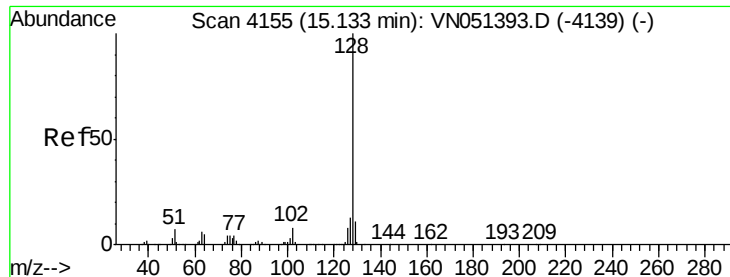
Tot Ion:180 Resp: 90512
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.5 145.6
 145 29.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion:225 Resp: 79464
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.9 95.9
 227 64.5 32.5 97.5





#95

Naphthalene

Concen: 19.630 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

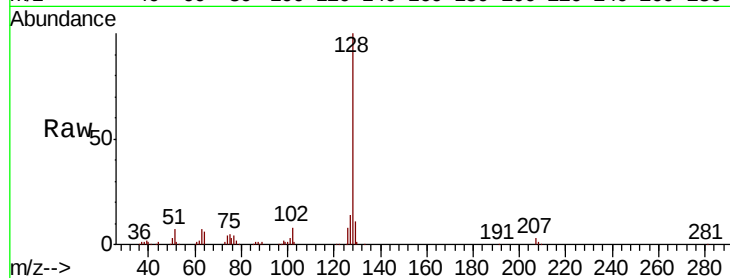
Tot Ion:128 Resp: 160004

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

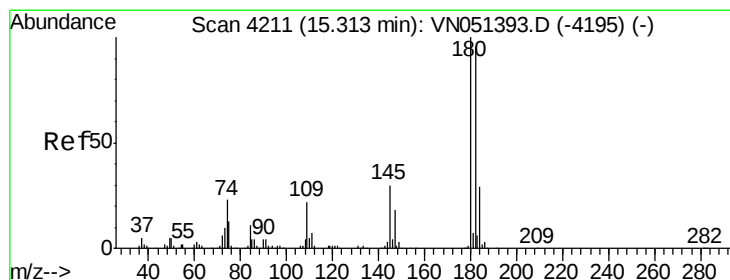
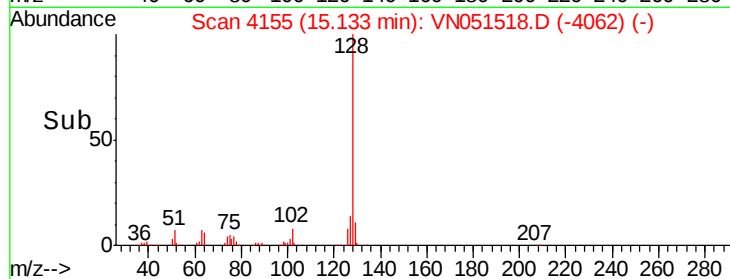
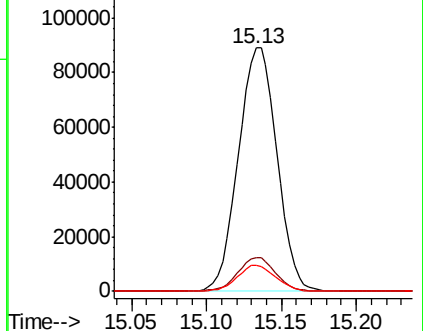
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.842 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

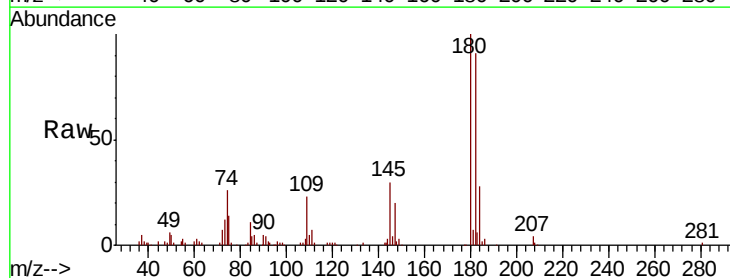
Tgt Ion:180 Resp: 95712

Ion Ratio Lower Upper

180 100

182 95.9 47.2 141.6

145 30.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

