

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051492.D
 Acq On : 25 Sep 2018 19:08
 Operator : MD\SY
 Sample : VN0926WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Quant Time: Sep 26 04:08:52 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	480922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	325918	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	7.59	113	290091	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.09	98	1051773	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	335528	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	79742	17.773	ug/l	98
3) Chloromethane	2.06	50	148088	20.734	ug/l	98
4) Vinyl Chloride	2.18	62	155392	19.712	ug/l	96
5) Bromomethane	2.57	94	95383	20.226	ug/l	100
6) Chloroethane	2.70	64	99674	20.292	ug/l	99
7) Trichlorofluoromethane	3.01	101	212706	20.600	ug/l	99
8) Diethyl Ether	3.42	74	61227	17.087	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	106364	18.252	ug/l	96
10) Methyl Iodide	3.96	142	132533	17.302	ug/l	97
11) Tert butyl alcohol	4.80	59	33714	99.158	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	95470	17.842	ug/l	97
13) Acrolein	3.61	56	29029	85.980	ug/l	97
14) Allyl chloride	4.33	41	167716	18.682	ug/l	99
15) Acrylonitrile	4.99	53	181379	98.066	ug/l	97
16) Acetone	3.82	43	128487	79.573	ug/l	97
17) Carbon Disulfide	4.05	76	265941	16.917	ug/l	99
18) Methyl Acetate	4.33	43	98227	21.409	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	271989	19.712	ug/l	98
20) Methylene Chloride	4.55	84	114922	19.278	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	103511	18.910	ug/l	98
22) Diisopropyl ether	5.96	45	361912	20.856	ug/l	97
23) Vinyl Acetate	5.90	43	1125011	98.748	ug/l	97
24) 1,1-Dichloroethane	5.85	63	214052	20.673	ug/l	99
25) 2-Butanone	6.84	43	201723	97.829	ug/l	96
26) 2,2-Dichloropropane	6.83	77	164720	20.380	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	120552	20.072	ug/l	99
28) Bromochloromethane	7.20	49	101678	21.265	ug/l	98
29) Tetrahydrofuran	7.22	42	138287	105.828	ug/l	96
30) Chloroform	7.37	83	215122	20.968	ug/l	97
31) Cyclohexane	7.65	56	179662	18.939	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	183167	20.884	ug/l	100
36) 1,1-Dichloropropene	7.80	75	156780	19.467	ug/l	97
37) Ethyl Acetate	6.93	43	91717	19.807	ug/l	98
38) Carbon Tetrachloride	7.78	117	163176	19.371	ug/l	99

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 Acq On : 25 Sep 2018 19:08
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 Sample : VN0926WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Quant Time: Sep 26 04:08:52 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)
39) Methylcyclohexane	9.08	83	164378	17.460	ug/l	94
40) Benzene	8.04	78	472409	19.977	ug/l	100
41) Methacrylonitrile	7.18	41	49926	19.489	ug/l	96
42) 1,2-Dichloroethane	8.13	62	154079	20.349	ug/l	100
43) Isopropyl Acetate	8.17	43	167279	19.978	ug/l	97
44) Trichloroethene	8.84	130	120764	19.227	ug/l	96
45) 1,2-Dichloropropane	9.12	63	130195	20.254	ug/l	98
46) Dibromomethane	9.21	93	73133	20.136	ug/l	99
47) Bromodichloromethane	9.40	83	161482	20.091	ug/l	99
48) Methyl methacrylate	9.20	41	82934	19.866	ug/l	97
49) 1,4-Dioxane	9.20	88	20453	399.768	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	459230	99.725	ug/l	100
52) Toluene	10.16	92	283618	19.299	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	152937	18.847	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	180757	19.209	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	107921	20.779	ug/l	97
56) Ethyl methacrylate	10.43	69	120263	18.939	ug/l	99
57) 1,3-Dichloropropane	10.71	76	178288	20.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	290733	98.078	ug/l	99
59) 2-Hexanone	10.75	43	281388	94.260	ug/l	98
60) Dibromochloromethane	10.90	129	117616	19.193	ug/l	99
61) 1,2-Dibromoethane	11.01	107	98174	19.472	ug/l	99
64) Tetrachloroethene	10.63	164	111505	19.595	ug/l	96
65) Chlorobenzene	11.43	112	305038	18.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	121202	19.775	ug/l	97
67) Ethyl Benzene	11.51	91	502468	18.533	ug/l	99
68) m/p-Xylenes	11.62	106	390279	37.216	ug/l	98
69) o-Xylene	11.95	106	190935	18.939	ug/l	99
70) Styrene	11.96	104	294978	18.465	ug/l	99
71) Bromoform	12.13	173	78063	18.770	ug/l #	100
73) Isopropylbenzene	12.25	105	507462	19.853	ug/l	99
74) N-amyl acetate	12.07	43	122158	19.047	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	127773	21.436	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	148135	29.455	ug/l #	100
77) Bromobenzene	12.53	156	129177	19.963	ug/l	97
78) n-propylbenzene	12.59	91	566426	19.662	ug/l	98
79) 2-Chlorotoluene	12.67	91	348330	20.200	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421036	20.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30083	18.393	ug/l	98
82) 4-Chlorotoluene	12.77	91	337750	19.624	ug/l	98
83) tert-Butylbenzene	12.99	119	359808	19.395	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	422690	20.125	ug/l	100
85) sec-Butylbenzene	13.17	105	501310	19.974	ug/l	98
86) p-Isopropyltoluene	13.29	119	423339	19.494	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	215259	19.223	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	205094	19.035	ug/l	99
89) n-Butylbenzene	13.62	91	322754	18.073	ug/l	98
90) Hexachloroethane	13.87	117	83183	19.224	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	214464	19.739	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17792	20.916	ug/l	93

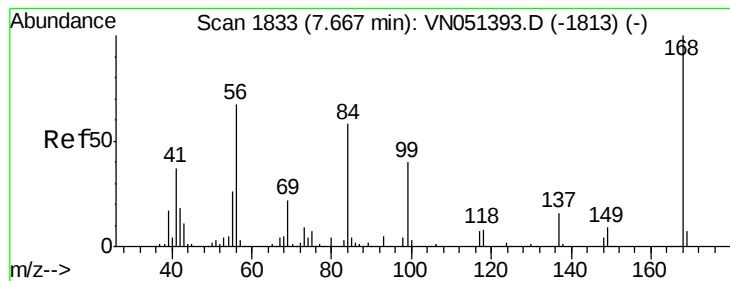
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
Data File : VN051492.D
Acq On : 25 Sep 2018 19:08
Operator : MD\SY
Sample : VN0926WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Quant Time: Sep 26 04:08:52 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)
93) 1,2,4-Trichlorobenzene	14.91	180	81571	18.241	ug/l	98
94) Hexachlorobutadiene	15.01	225	79671	19.381	ug/l	99
95) Naphthalene	15.13	128	139389	18.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	85913	16.477	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

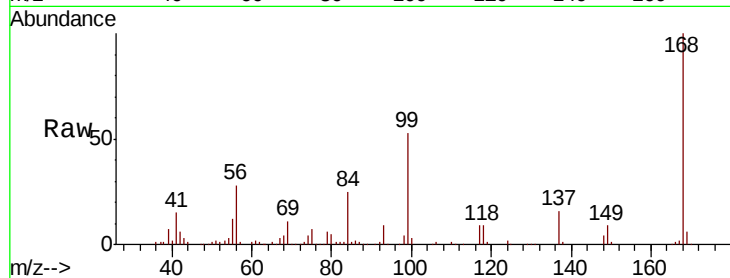
VN0926WBSD01

Tot Ion:168 Resp: 480922

Ion Ratio Lower Upper

168 100

99 52.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

150000

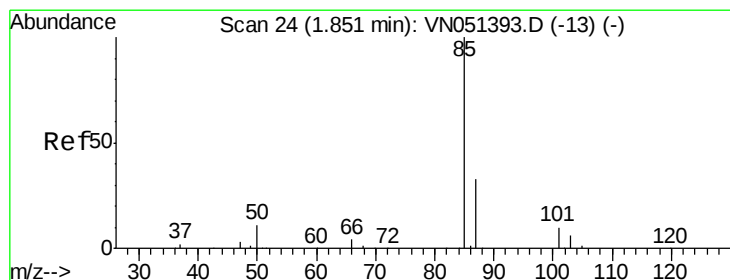
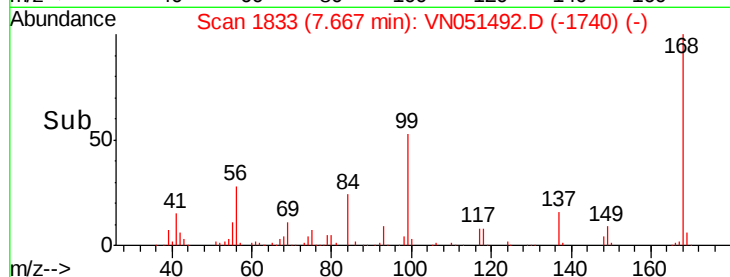
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.773 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051492.D

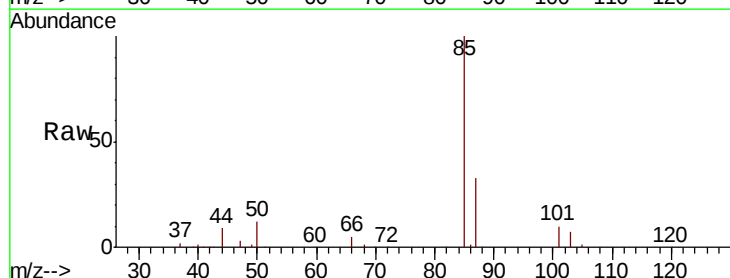
Acq: 25 Sep 2018 19:08

Tgt Ion: 85 Resp: 79742

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

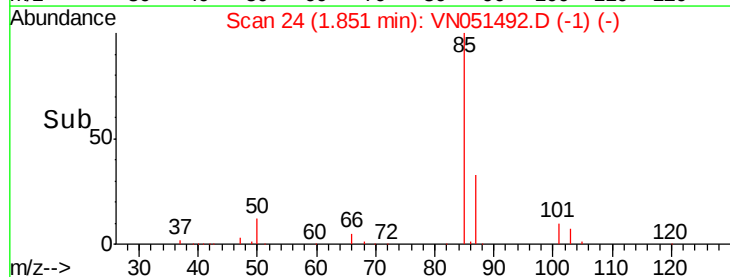
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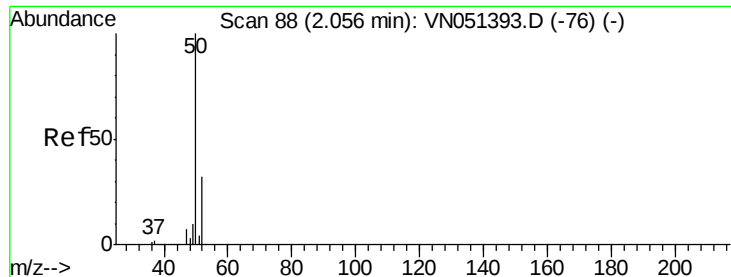
20000

0

1.80 1.85 1.90

Time-->

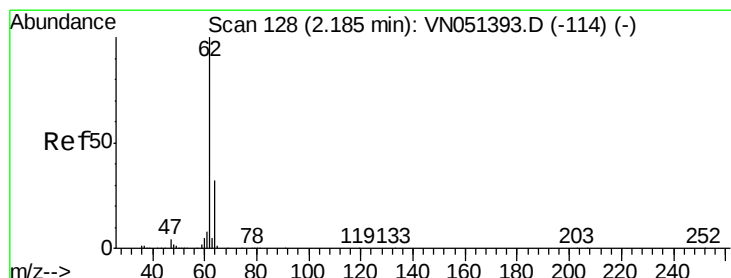
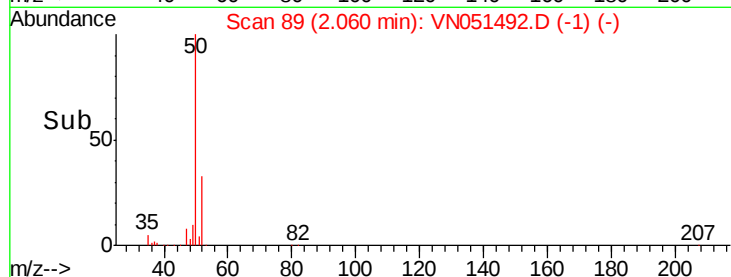
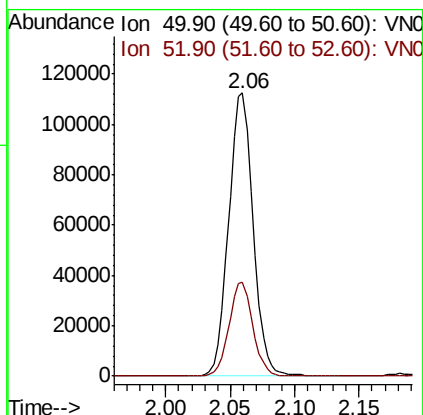
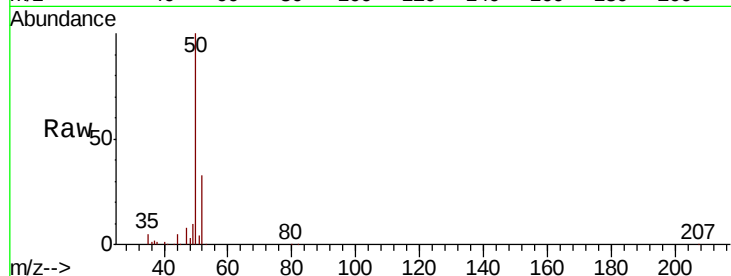




#3
Chloromethane
Concen: 20.734 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

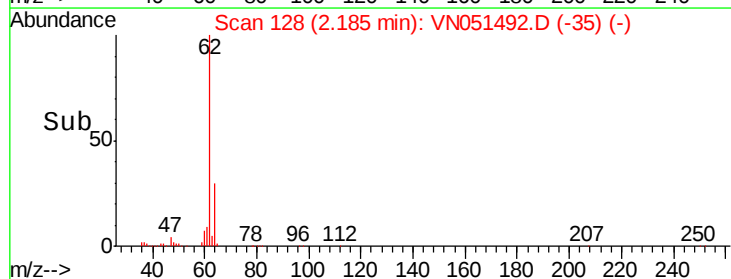
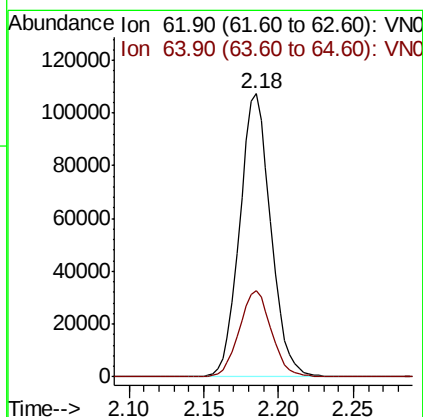
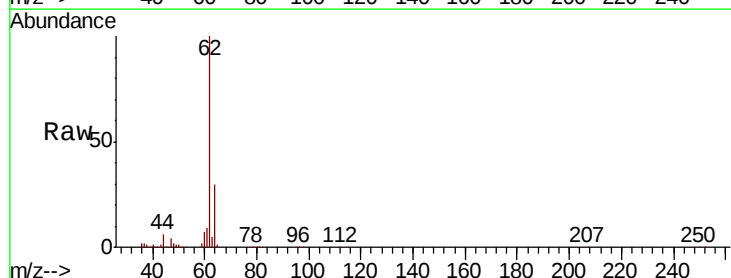
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

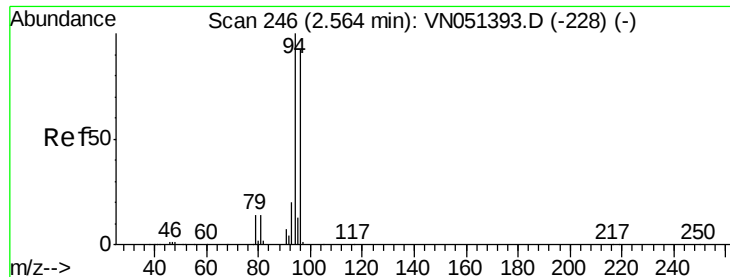
Tot Ion: 50 Resp: 148088
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5



#4
Vinyl Chloride
Concen: 19.712 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 62 Resp: 155392
Ion Ratio Lower Upper
62 100
64 30.3 25.8 38.8





#5

Bromomethane

Concen: 20.226 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

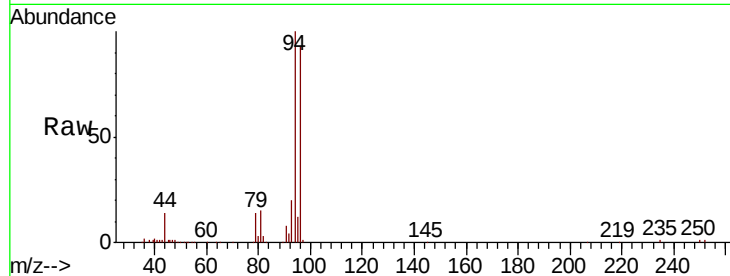
VN0926WBSD01

Tot Ion: 94 Resp: 95383

Ion Ratio Lower Upper

94 100

96 92.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

50000

40000

30000

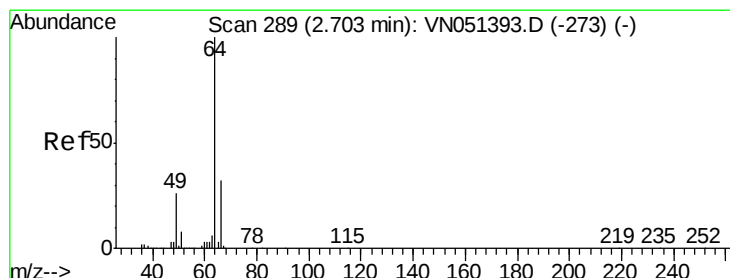
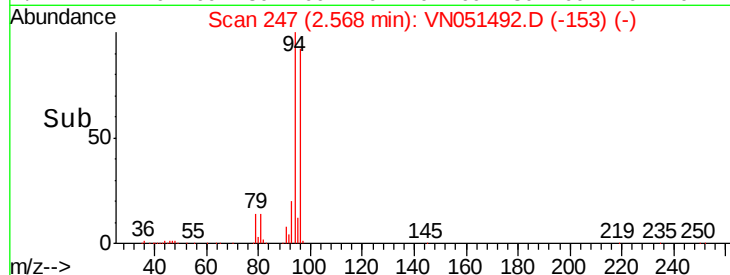
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.292 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051492.D

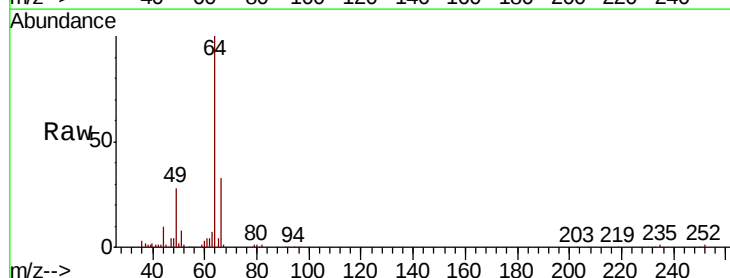
Acq: 25 Sep 2018 19:08

Tgt Ion: 64 Resp: 99674

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

60000

50000

40000

30000

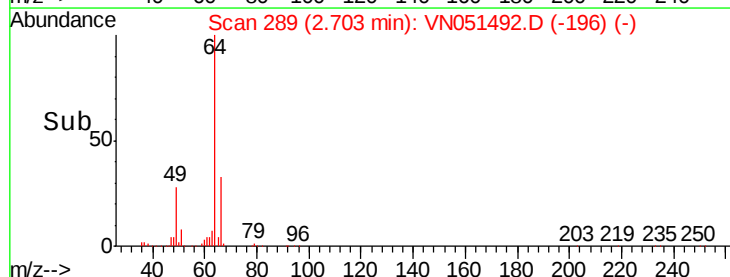
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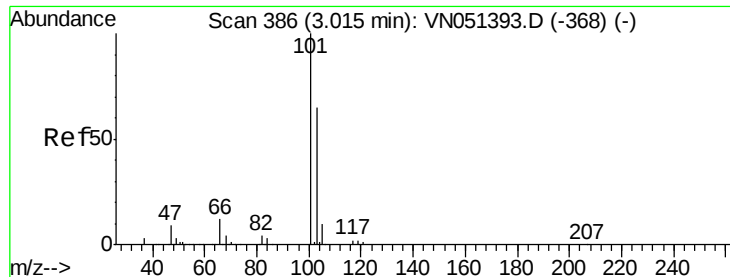
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0

Time-->

2.60 2.65 2.70 2.75 2.80



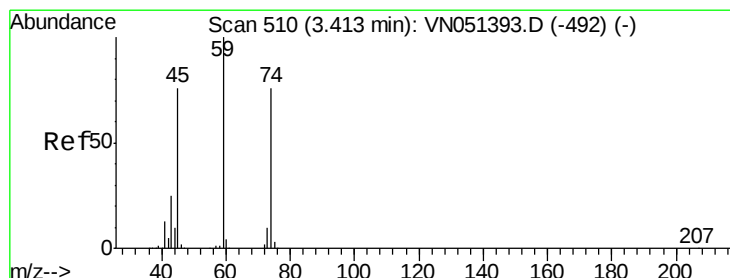
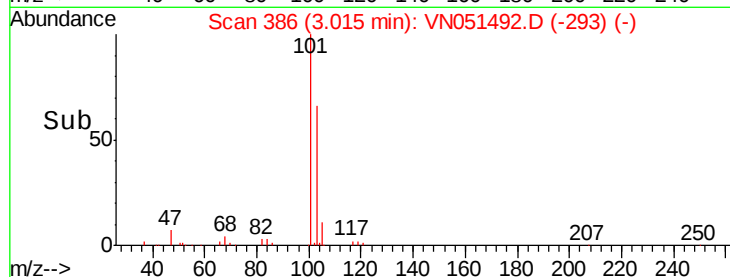
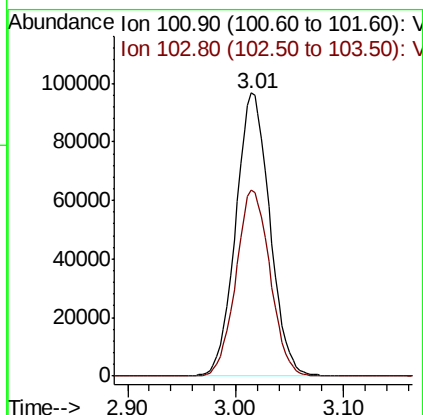
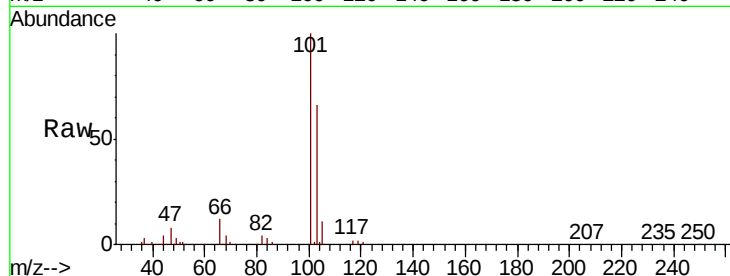


#7

Trichlorofluoromethane
 Concen: 20.600 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

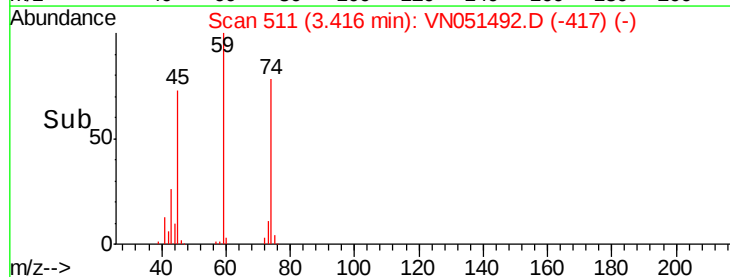
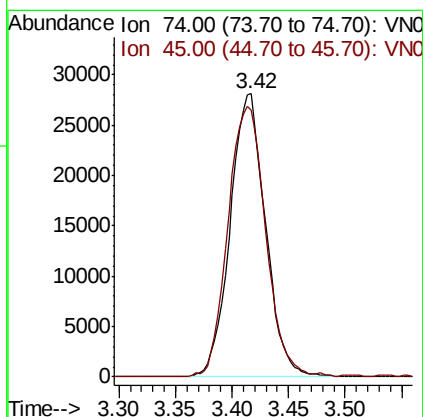
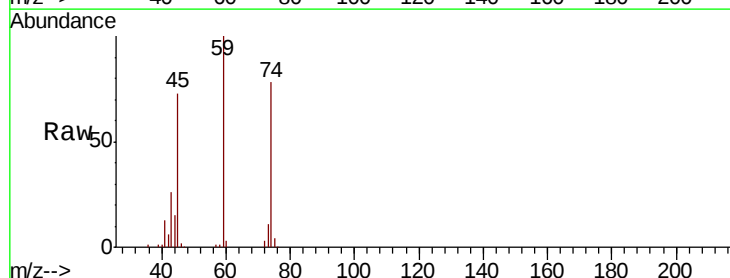
Tot Ion:101 Resp: 212706
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8

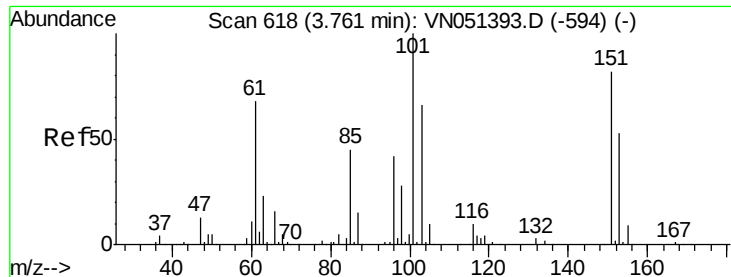


#8

Diethyl Ether
 Concen: 17.087 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 74 Resp: 61227
 Ion Ratio Lower Upper
 74 100
 45 102.0 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.252 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

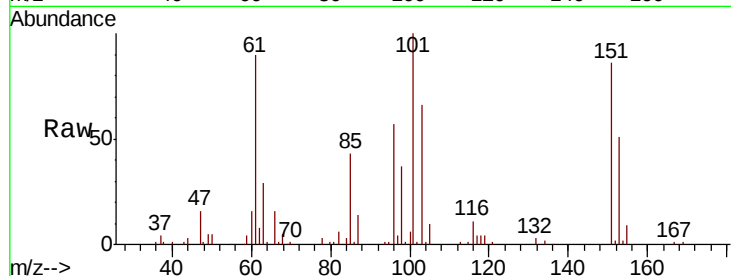
Tot Ion:101 Resp: 106364

Ion Ratio Lower Upper

101 100

85 44.4 33.9 50.9

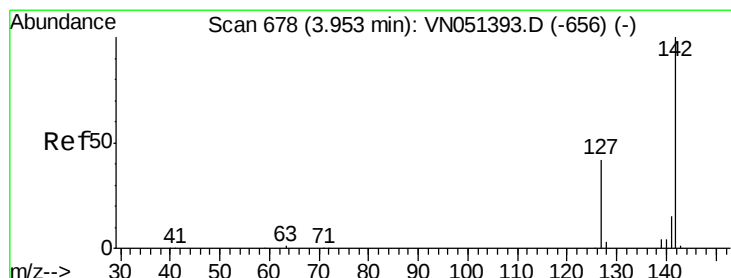
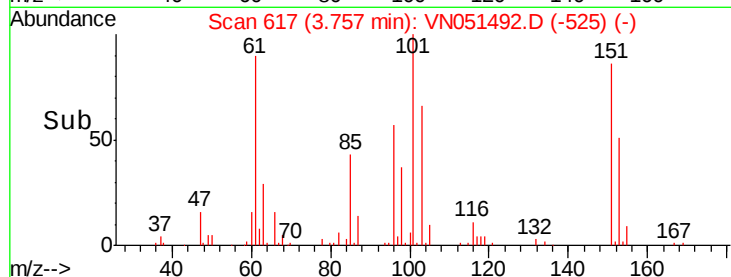
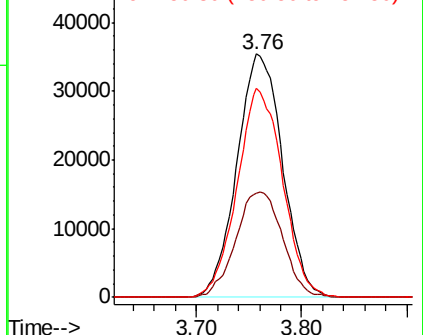
151 85.4 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.302 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

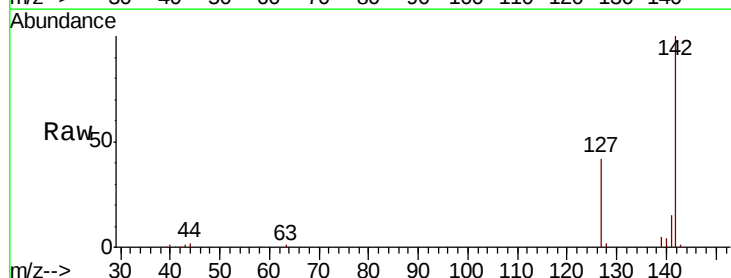
Tgt Ion:142 Resp: 132533

Ion Ratio Lower Upper

142 100

127 43.5 33.2 49.8

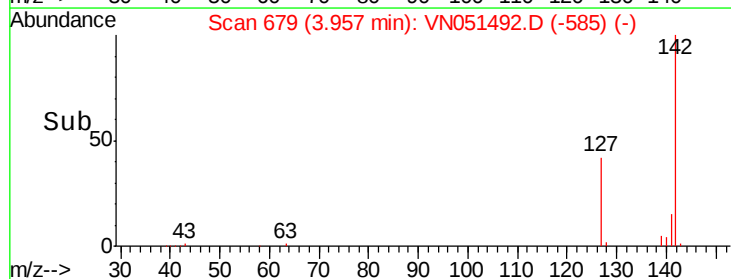
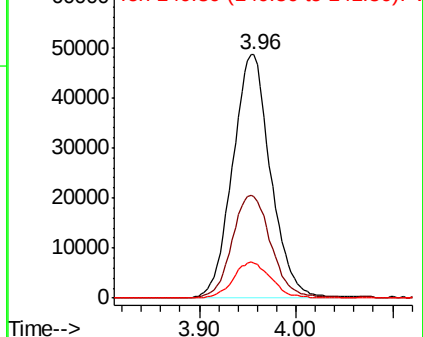
141 14.7 11.5 17.3

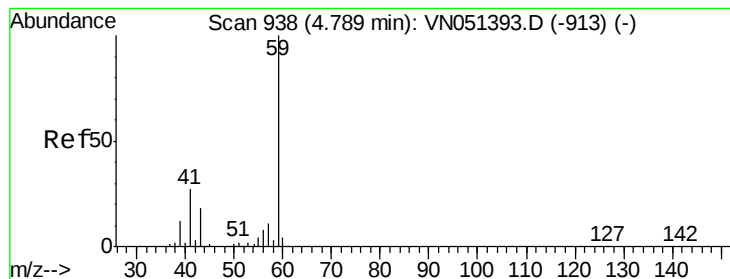


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



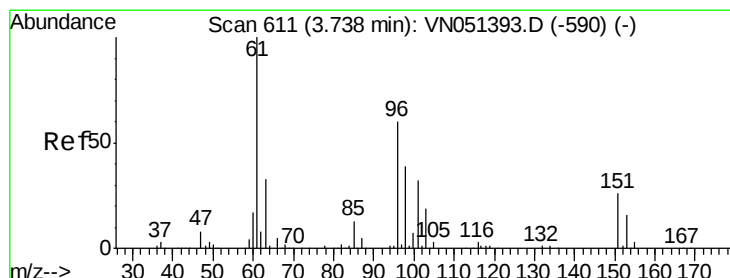
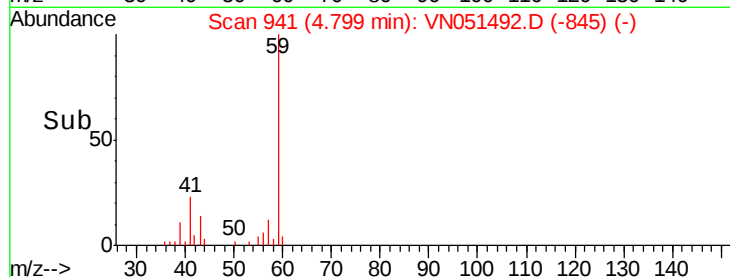
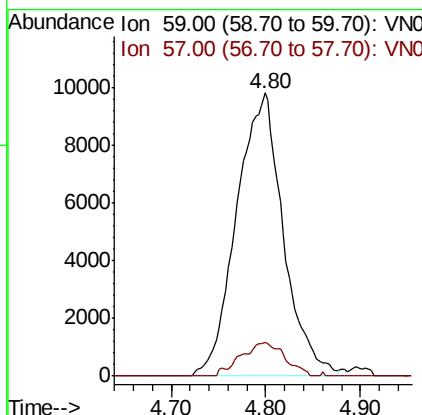
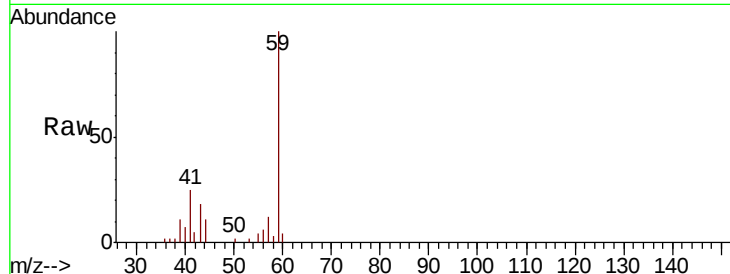


#11

Tert butyl alcohol
 Concen: 99.158 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBSD01

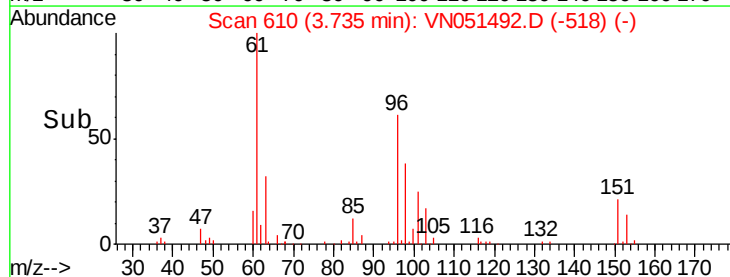
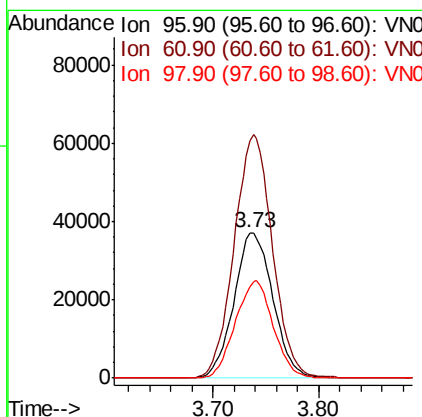
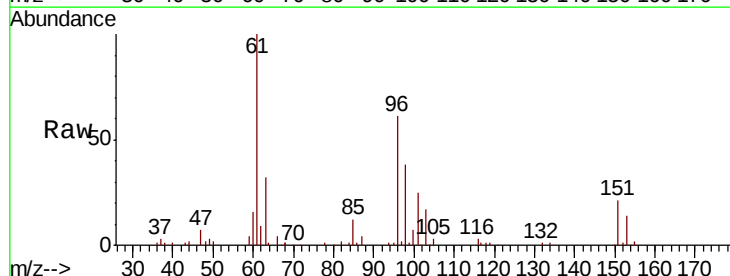
Tot Ion: 59 Resp: 33714
 Ion Ratio Lower Upper
 59 100
 57 11.3 6.2 9.2#

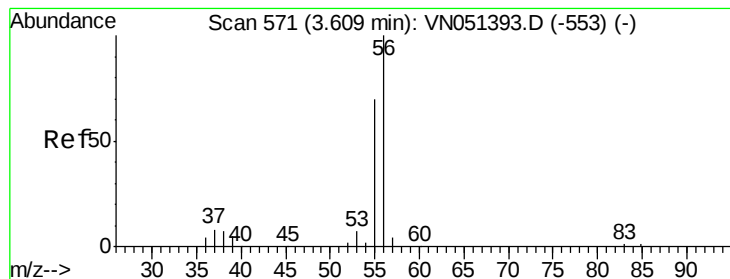


#12

1,1-Dichloroethene
 Concen: 17.842 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 96 Resp: 95470
 Ion Ratio Lower Upper
 96 100
 61 162.6 133.6 200.4
 98 62.4 52.2 78.2





#13

Acrolein

Concen: 85.980 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampled :

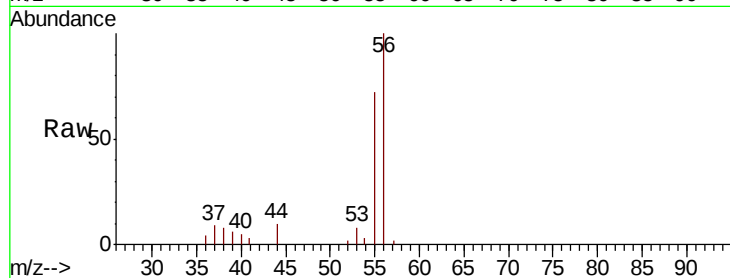
VN0926WBSD01

Tot Ion: 56 Resp: 29029

Ion Ratio Lower Upper

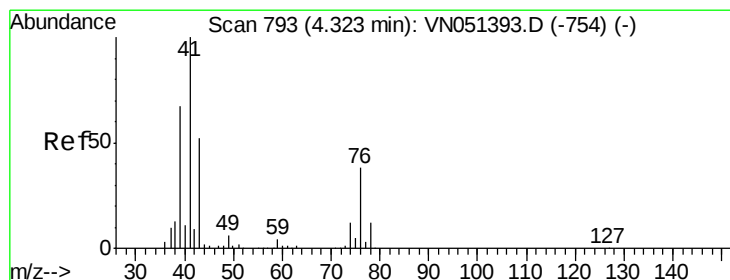
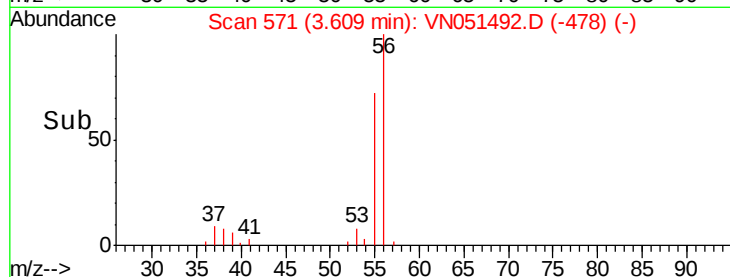
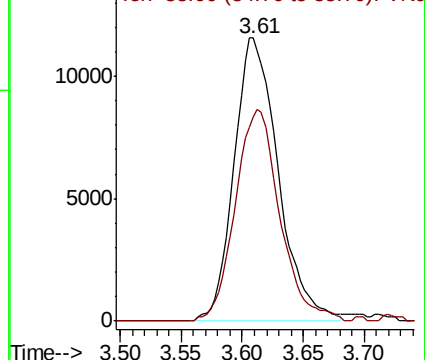
56 100

55 75.1 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: 18.682 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

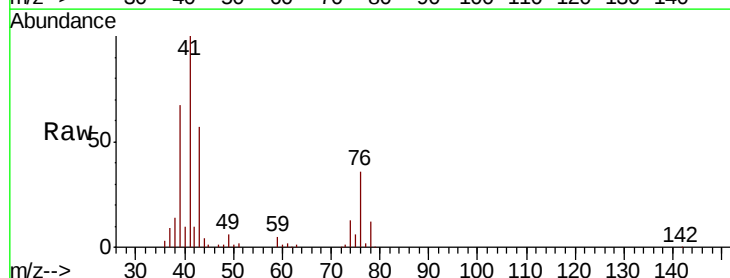
Tgt Ion: 41 Resp: 167716

Ion Ratio Lower Upper

41 100

39 63.0 51.4 77.2

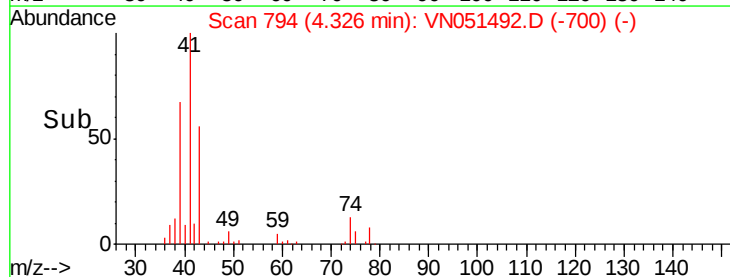
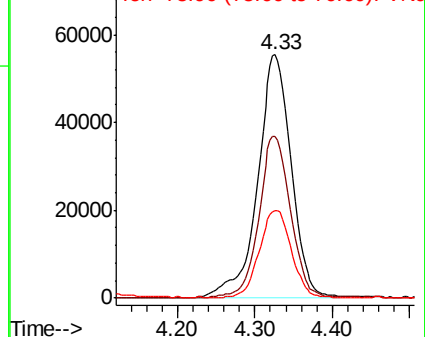
76 34.7 28.1 42.1



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: 98.066 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

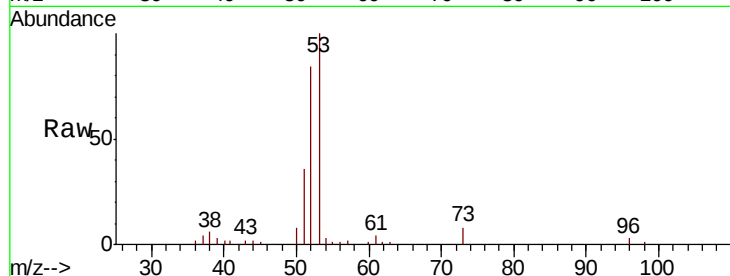
Tot Ion: 53 Resp: 181379

Ion Ratio Lower Upper

53 100

52 79.6 66.2 99.2

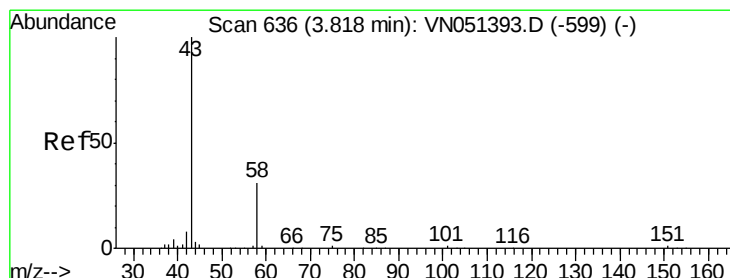
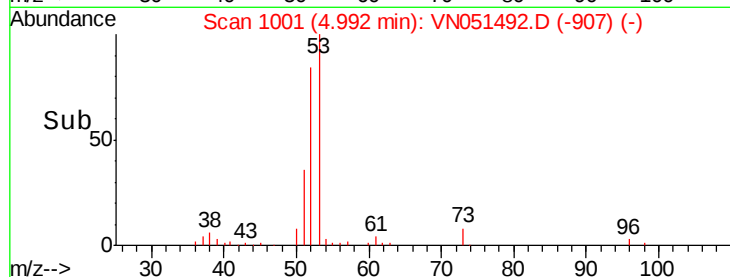
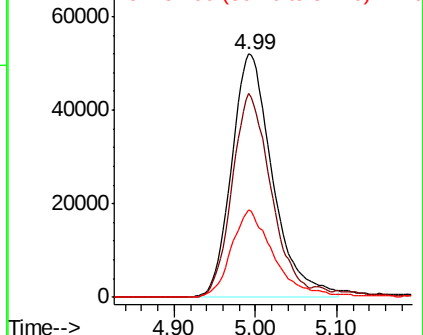
51 36.7 28.6 42.8



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: 79.573 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051492.D

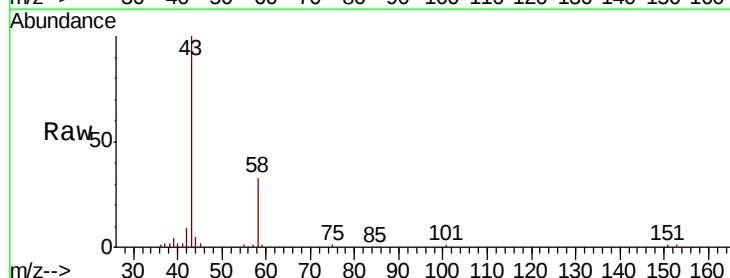
Acq: 25 Sep 2018 19:08

Tgt Ion: 43 Resp: 128487

Ion Ratio Lower Upper

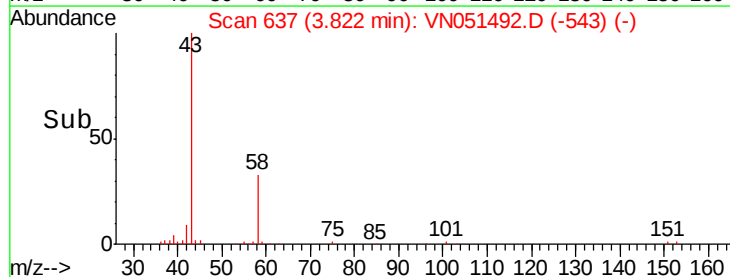
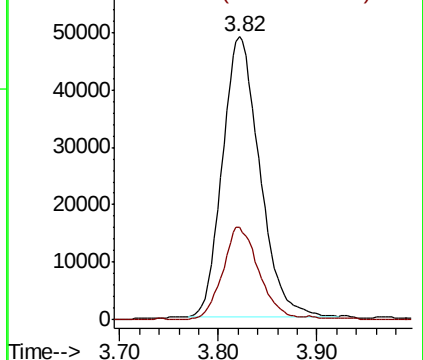
43 100

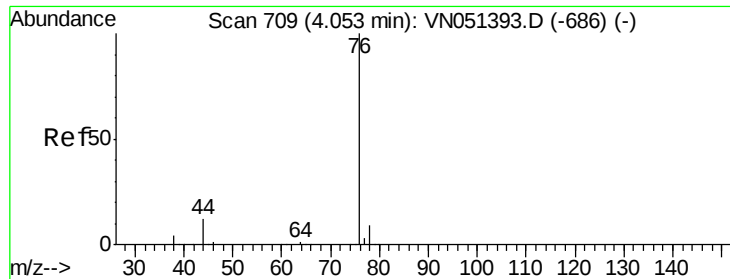
58 32.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

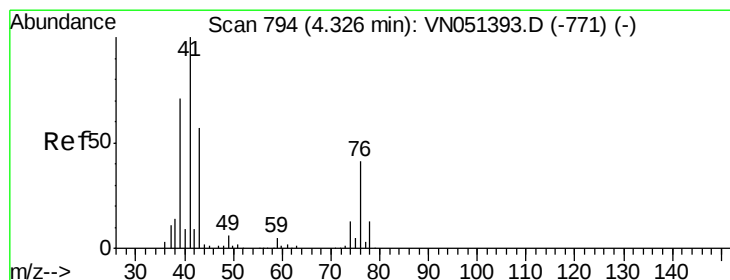
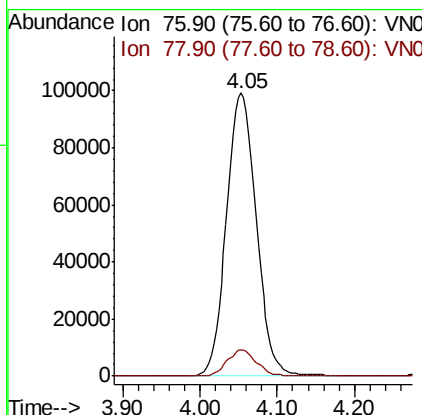
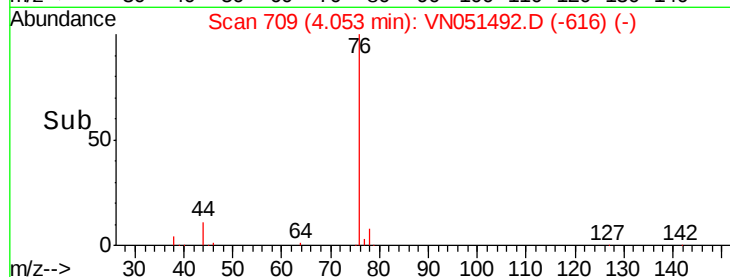
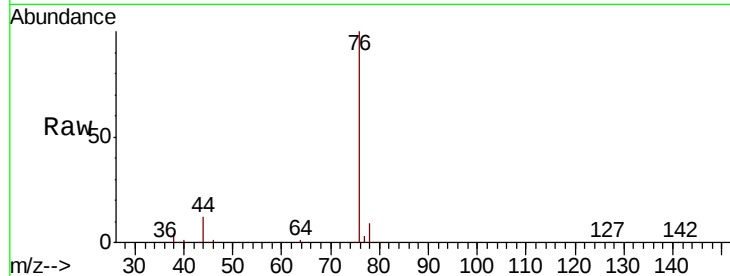




#17
Carbon Disulfide
Concen: 16.917 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

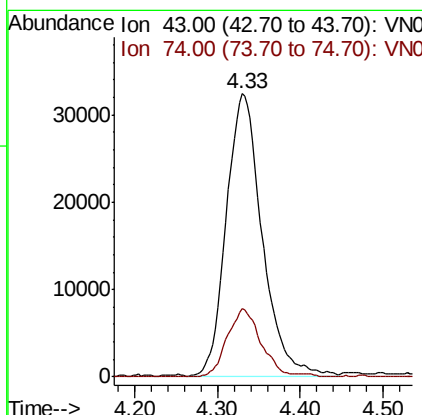
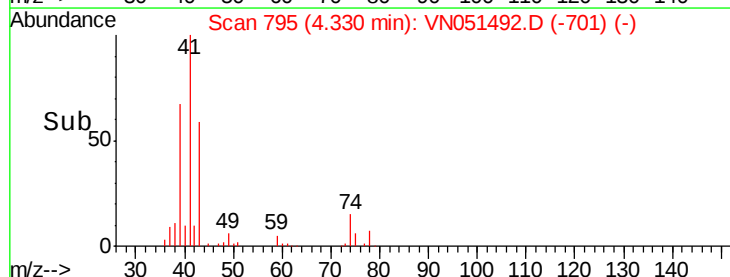
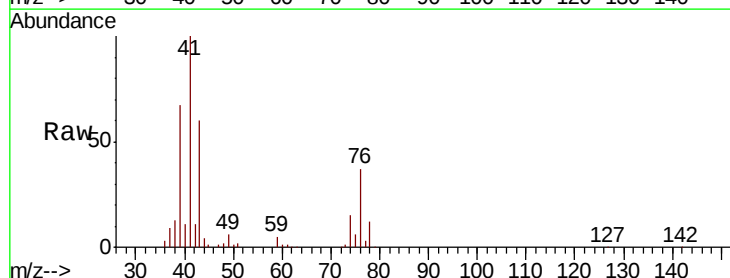
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

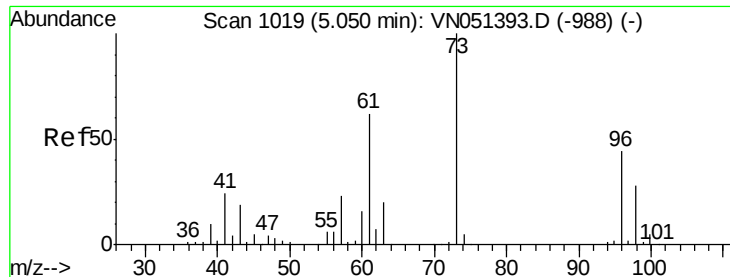
Tot Ion: 76 Resp: 265941
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 21.409 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 43 Resp: 98227
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2

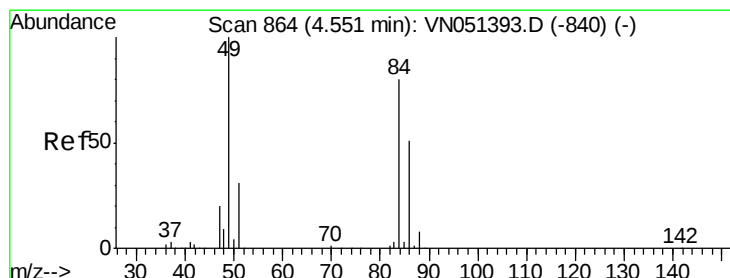
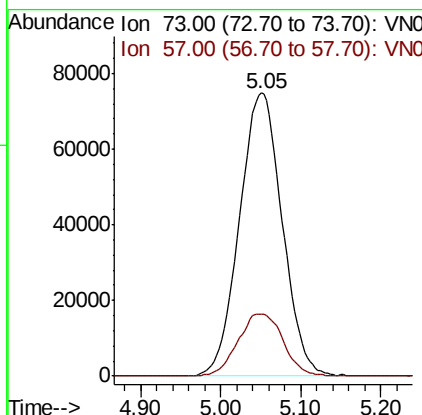
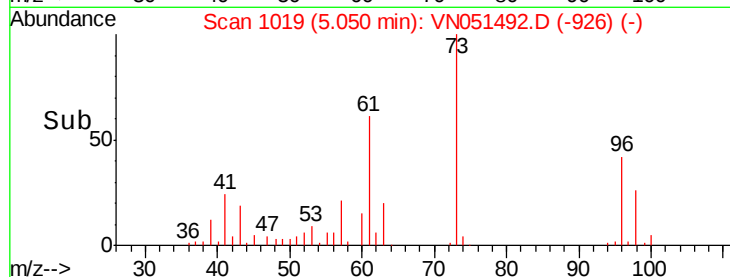
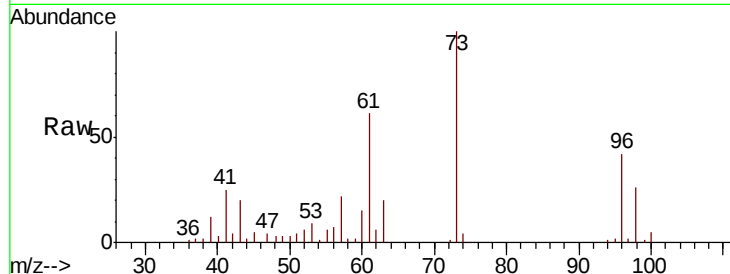




#19
Methyl tert-butyl Ether
Concen: 19.712 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

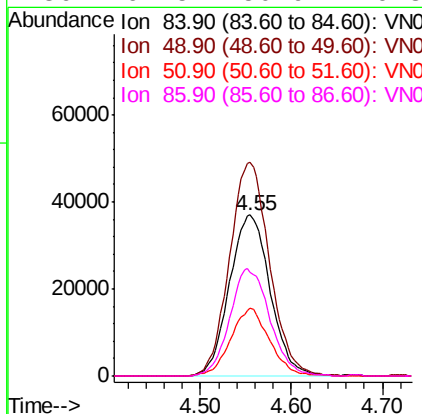
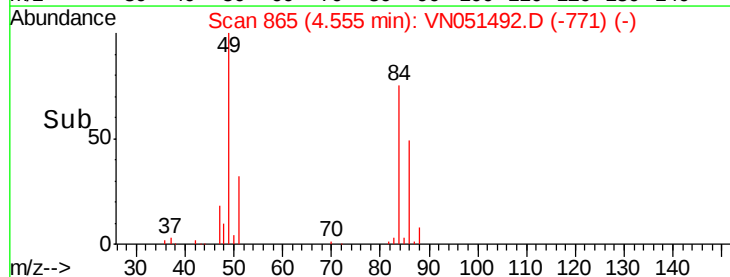
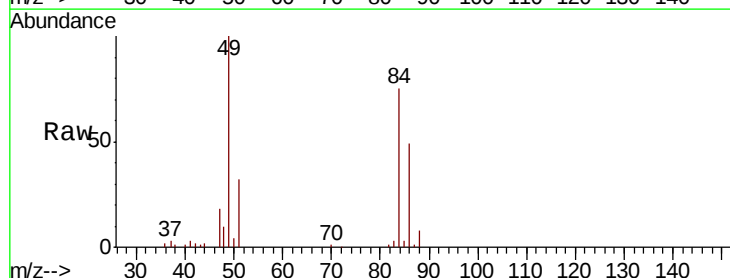
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

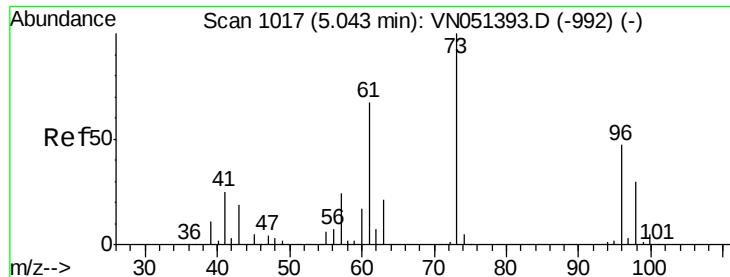
Tot Ion: 73 Resp: 271989
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5



#20
Methylene Chloride
Concen: 19.278 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 84 Resp: 114922
Ion Ratio Lower Upper
84 100
49 132.8 99.9 149.9
51 41.9 31.4 47.2
86 64.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.910 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

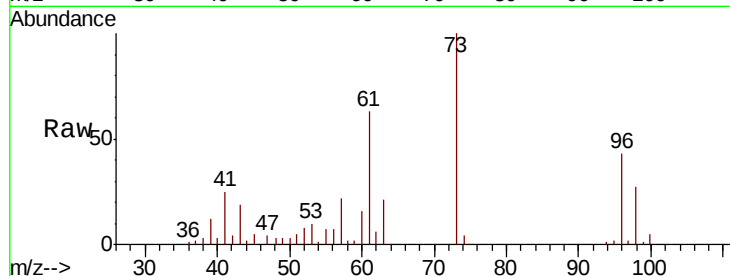
Tot Ion: 96 Resp: 103511

Ion Ratio Lower Upper

96 100

61 145.7 113.4 170.2

98 63.2 51.1 76.7

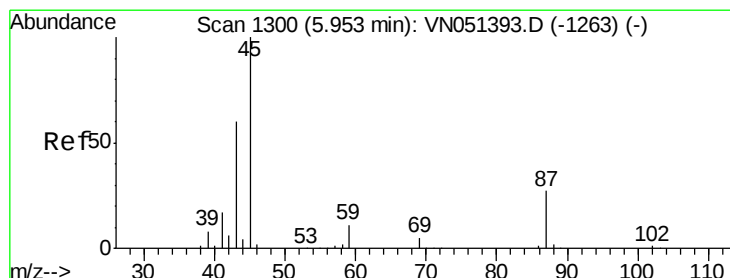
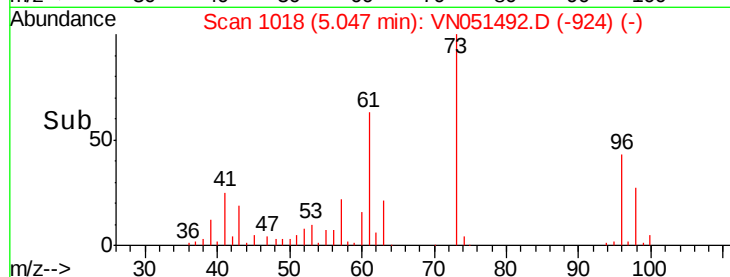
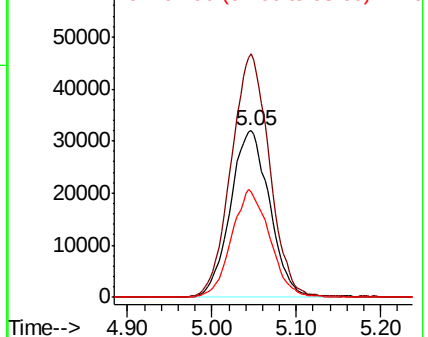


Abundance

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: 20.856 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Tgt Ion: 45 Resp: 361912

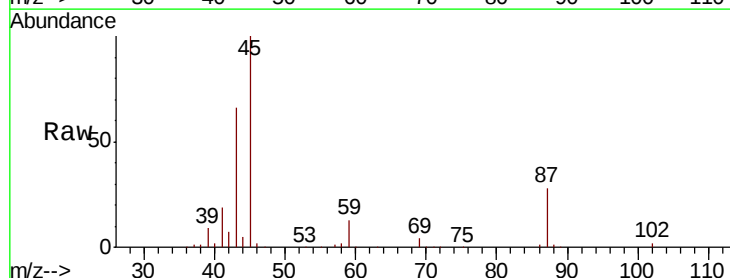
Ion Ratio Lower Upper

45 100

43 63.4 47.7 71.5

87 27.8 22.0 33.0

59 12.3 9.3 13.9



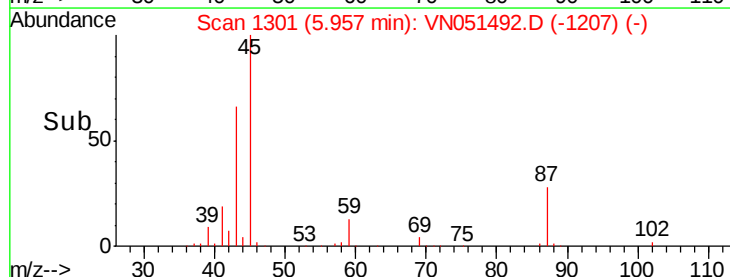
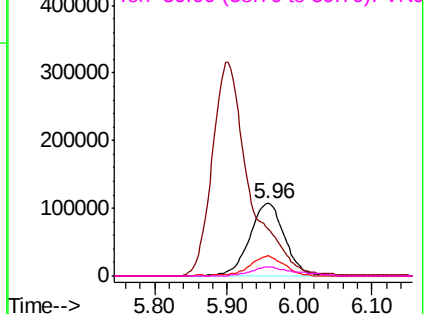
Abundance

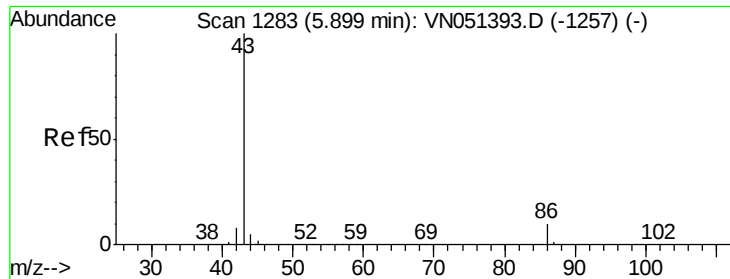
Ion 45.00 (44.70 to 45.70): VN0

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: 98.748 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

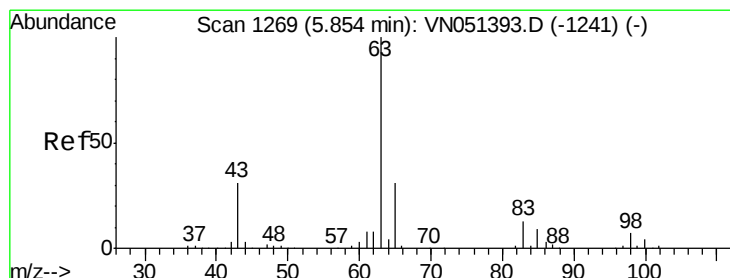
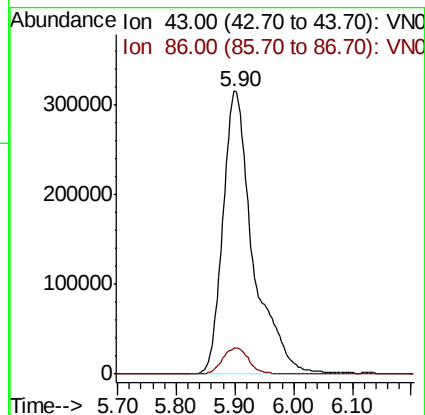
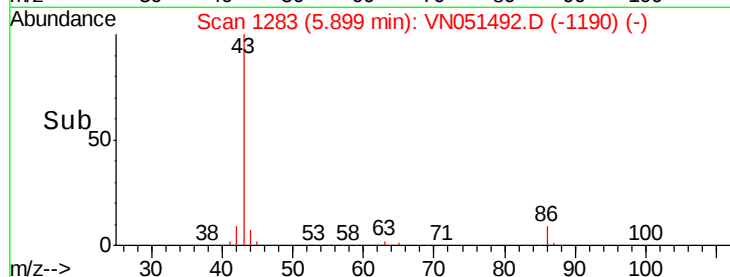
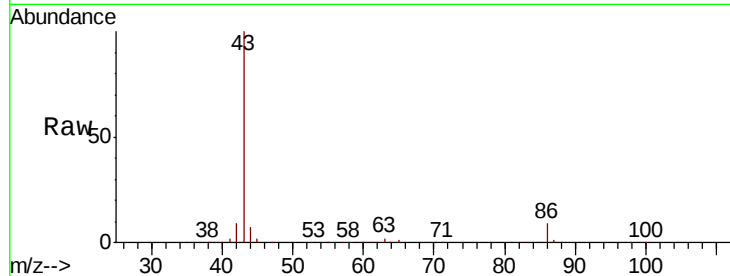
VN0926WBSD01

Tot Ion: 43 Resp: 1125011

Ion Ratio Lower Upper

43 100

86 9.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.673 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

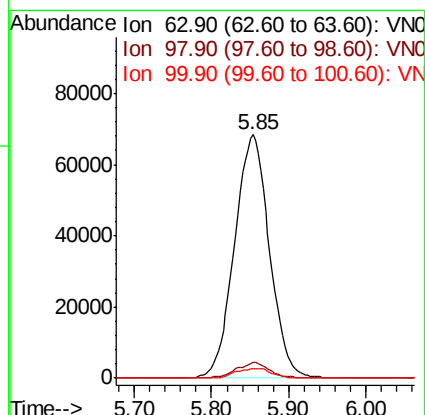
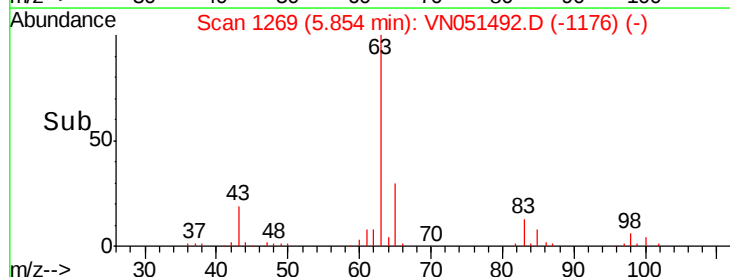
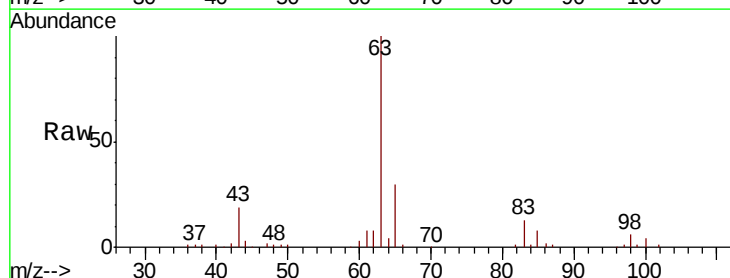
Tgt Ion: 63 Resp: 214052

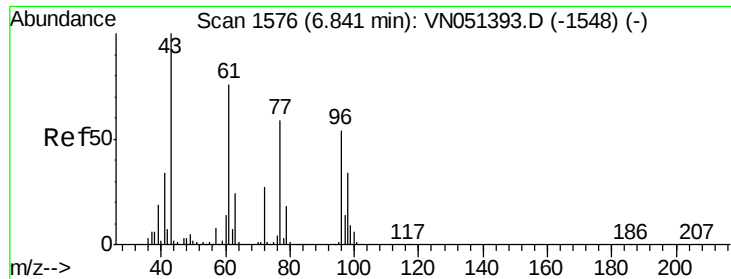
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.0 2.2 6.6

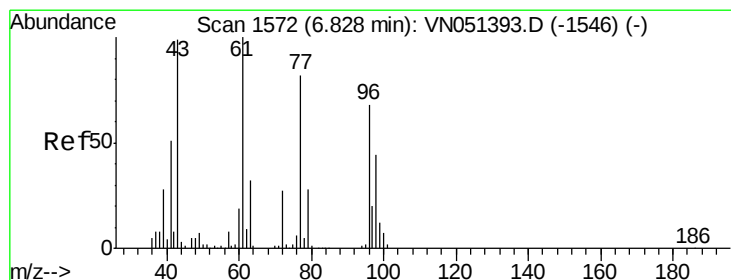
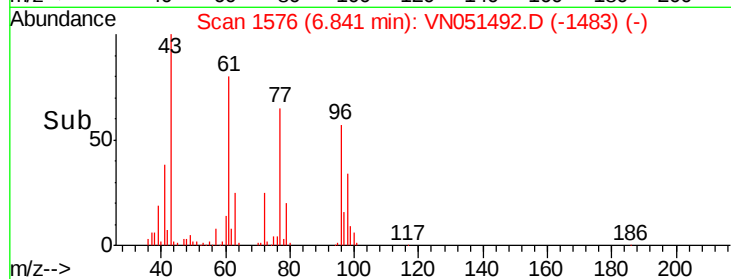
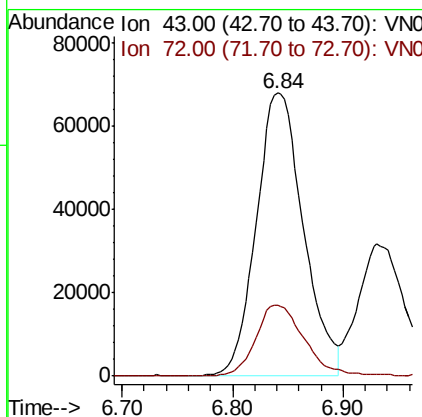
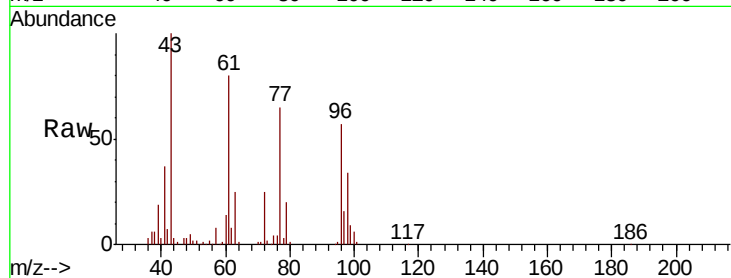




#25
 2-Butanone
 Concen: 97.829 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

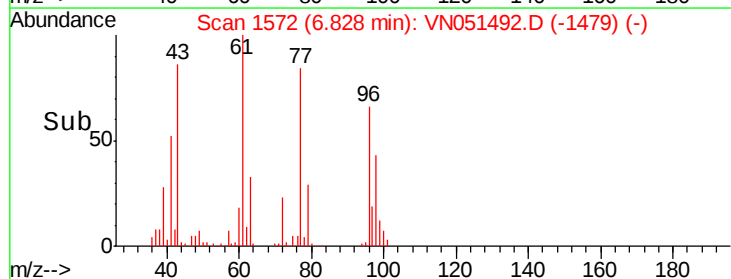
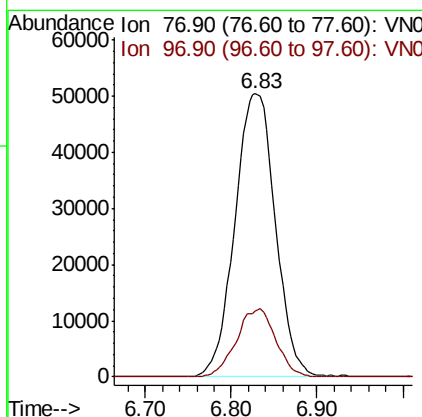
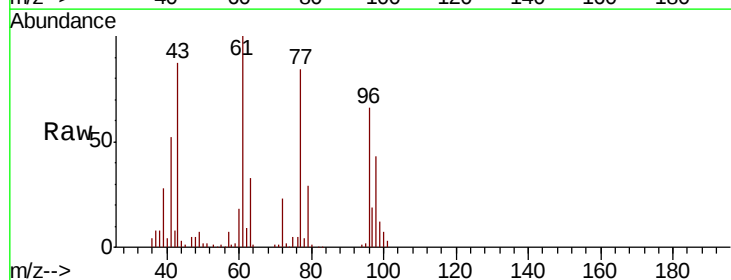
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tot Ion: 43 Resp: 201723
 Ion Ratio Lower Upper
 43 100
 72 25.1 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 20.380 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 77 Resp: 164720
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.072 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

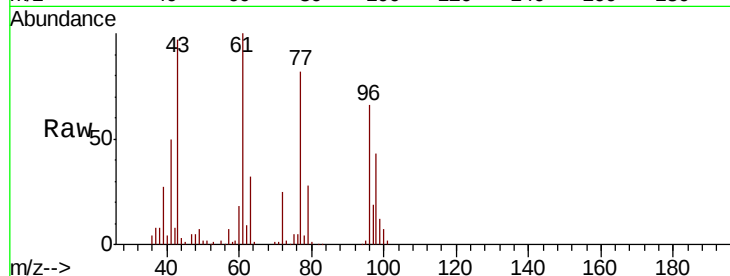
Tot Ion: 96 Resp: 120552

Ion Ratio Lower Upper

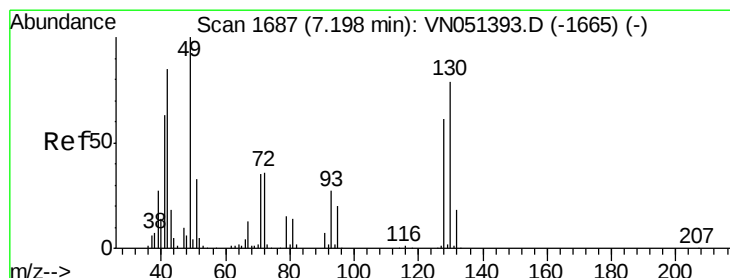
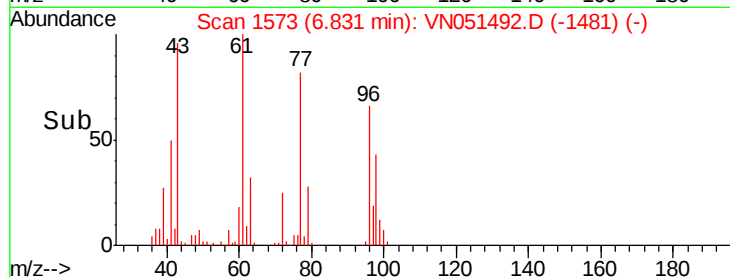
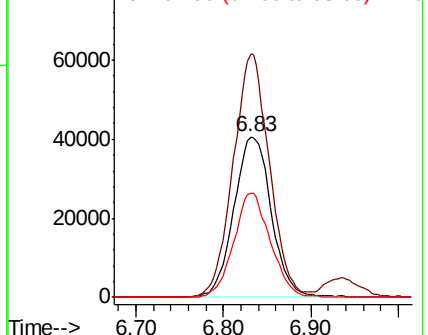
96 100

61 146.8 0.0 291.4

98 63.8 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: 21.265 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

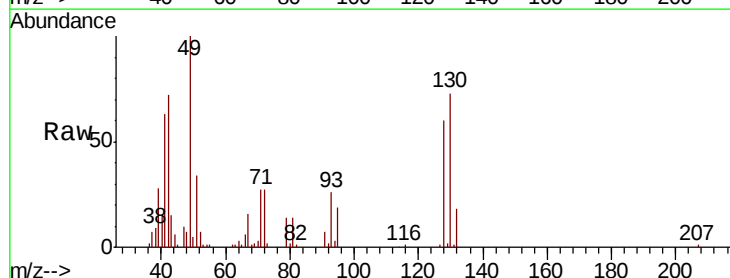
Tgt Ion: 49 Resp: 101678

Ion Ratio Lower Upper

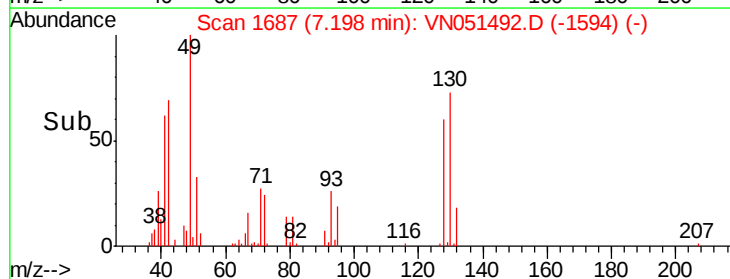
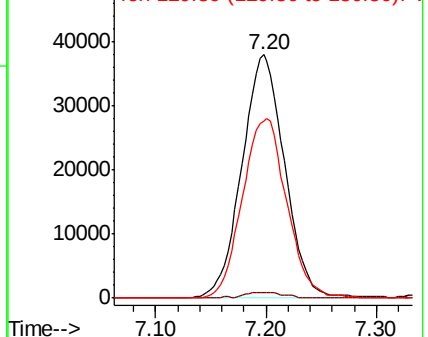
49 100

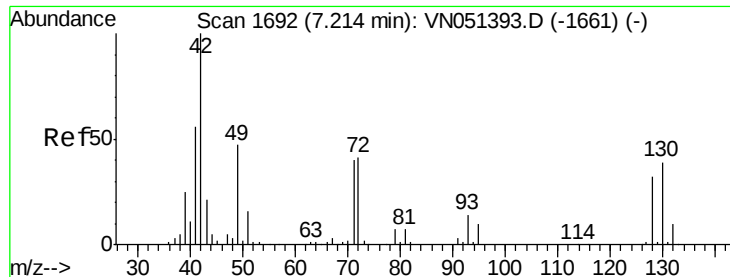
129 2.1 0.0 3.8

130 76.7 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: 105.828 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

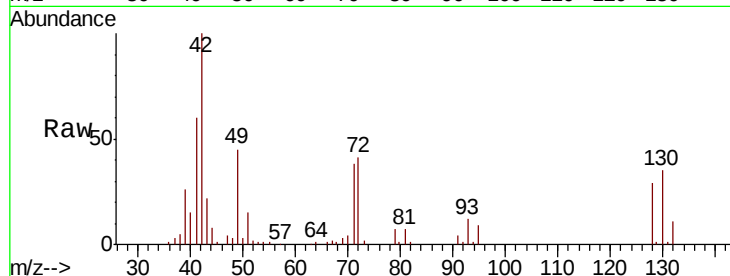
Tot Ion: 42 Resp: 138287

Ion Ratio Lower Upper

42 100

72 39.5 34.3 51.5

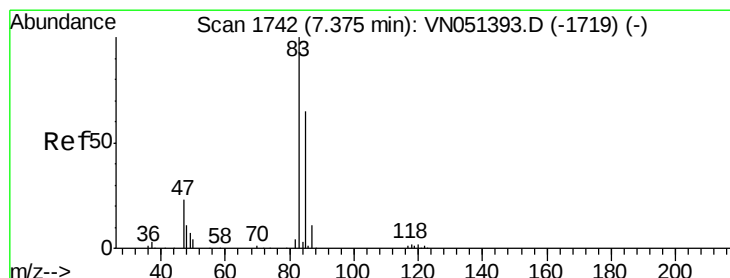
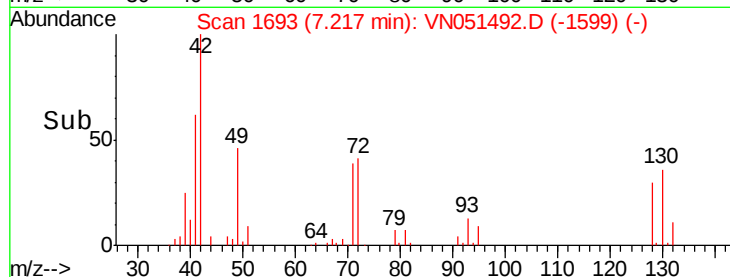
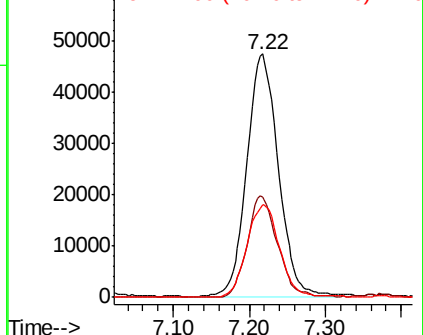
71 38.7 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.968 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051492.D

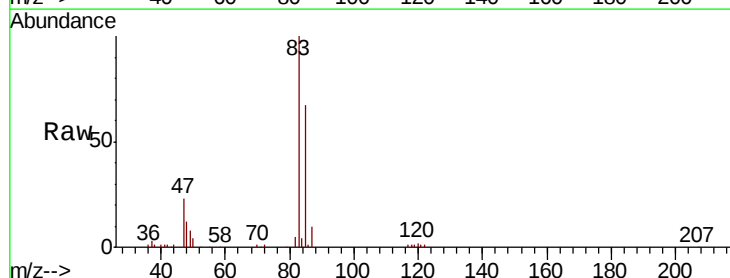
Acq: 25 Sep 2018 19:08

Tgt Ion: 83 Resp: 215122

Ion Ratio Lower Upper

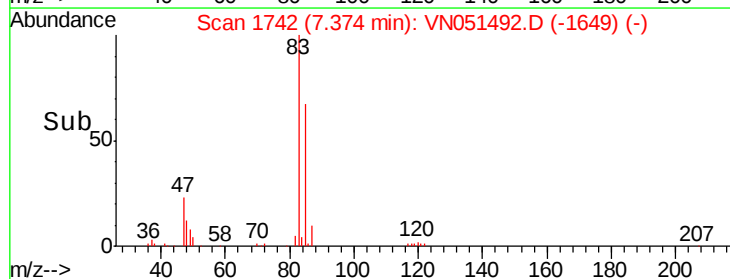
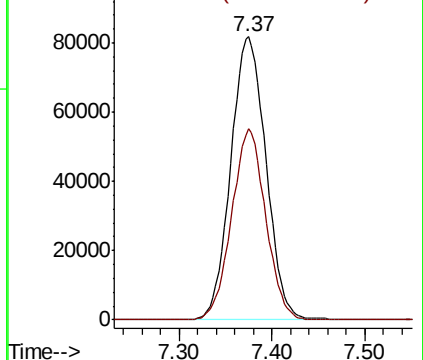
83 100

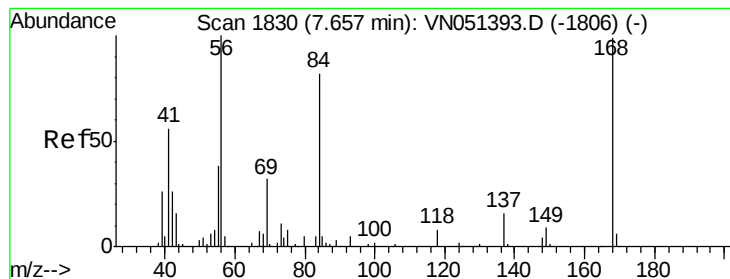
85 67.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.939 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

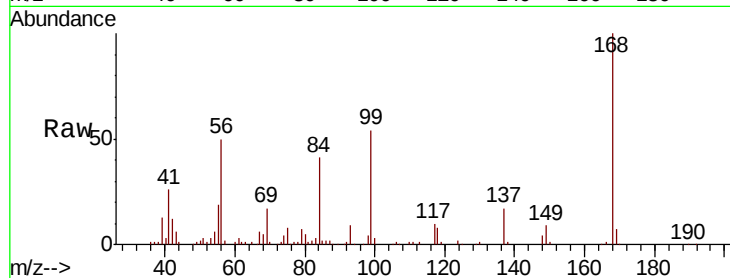
Tot Ion: 56 Resp: 179662

Ion Ratio Lower Upper

56 100

69 34.8 25.8 38.6

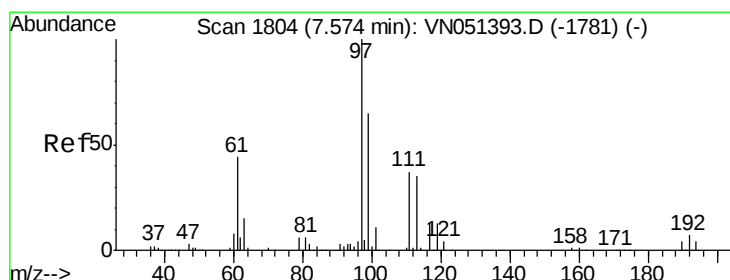
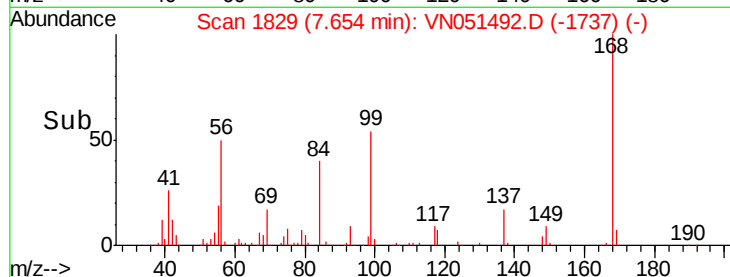
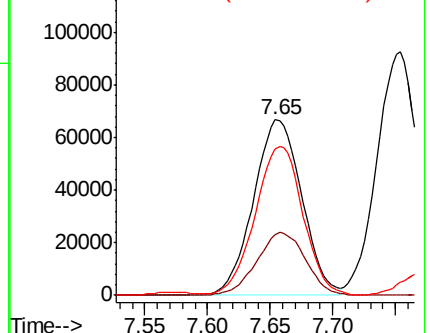
84 82.4 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN051393.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN051393.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 20.884 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

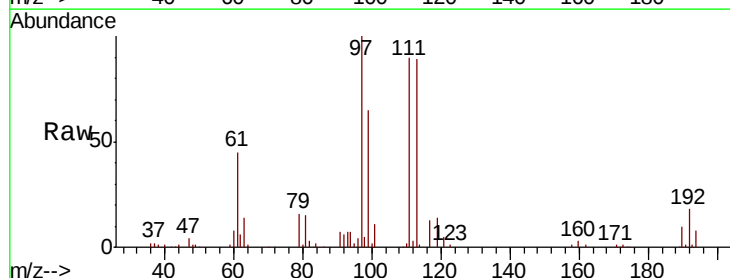
Tgt Ion: 97 Resp: 183167

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

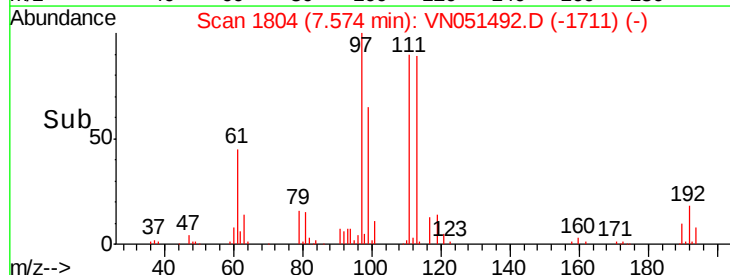
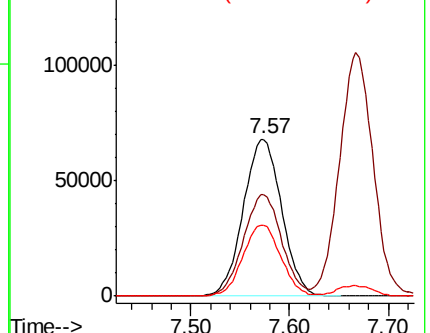
61 44.7 35.8 53.8

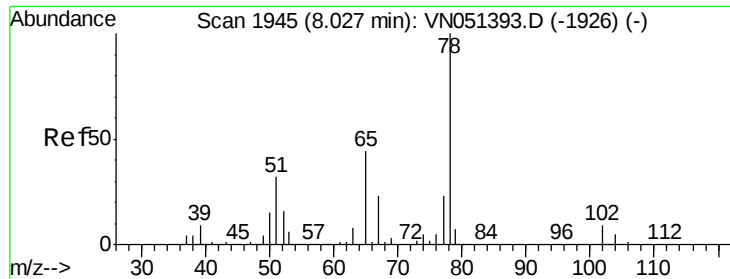


Abundance Ion 96.90 (96.60 to 97.60): VN051393.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-1781) (-)

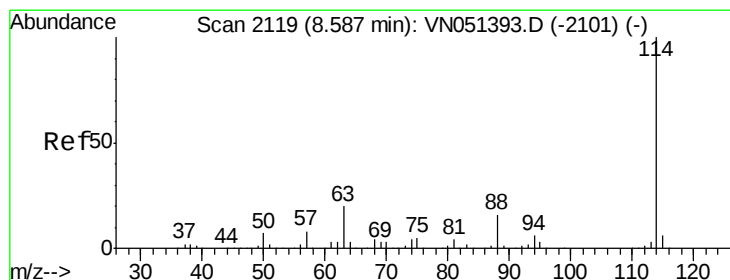
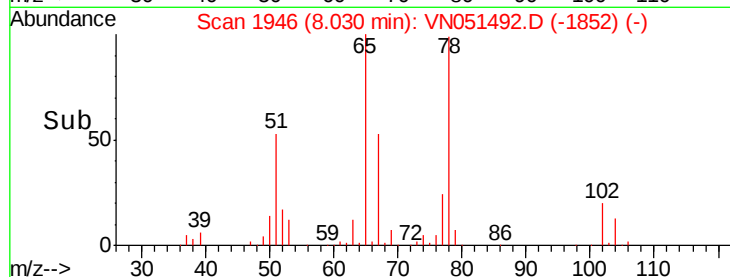
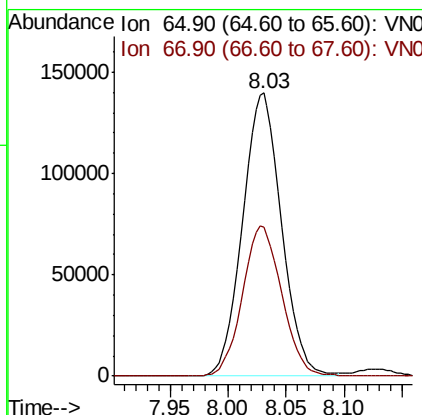
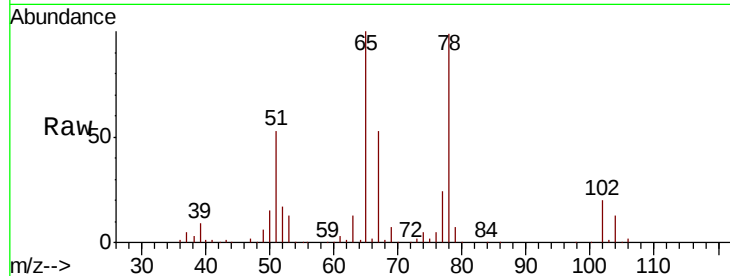




#33
 1,2-Dichloroethane-d4
 Concen: 54.099 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

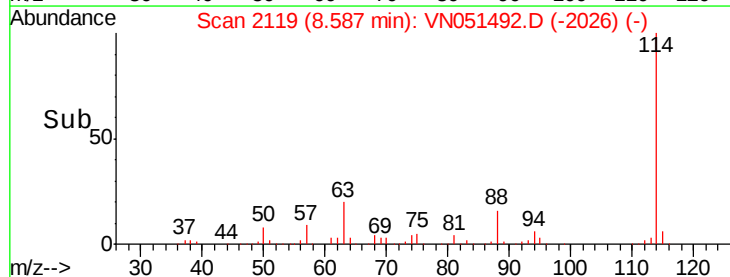
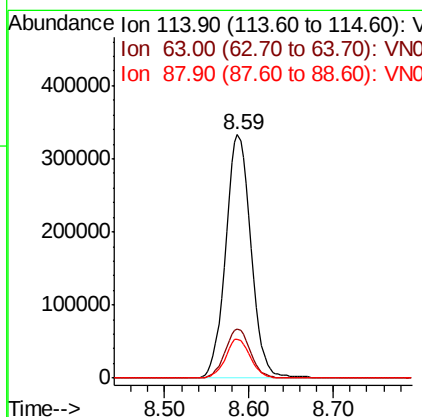
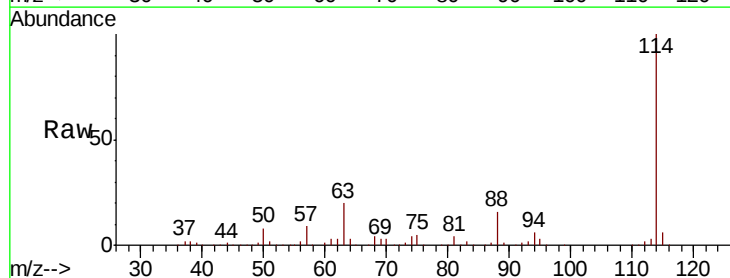
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

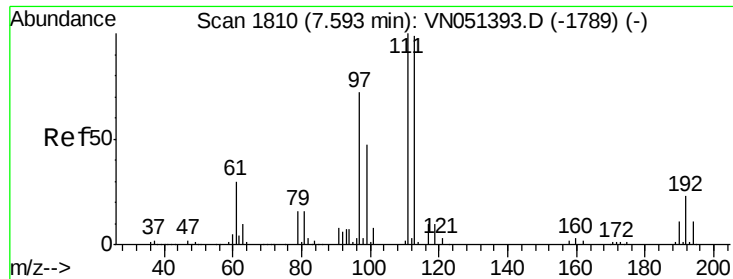
Tot Ion: 65 Resp: 325918
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 114 Resp: 695464
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 16.0 0.0 31.4

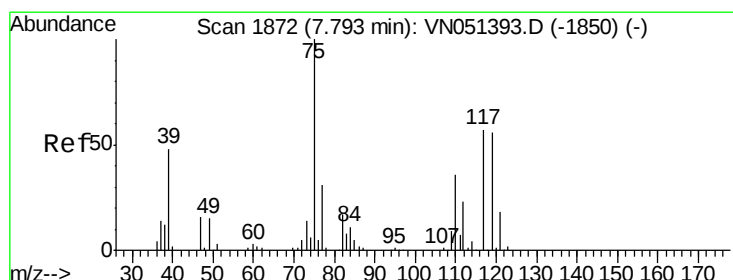
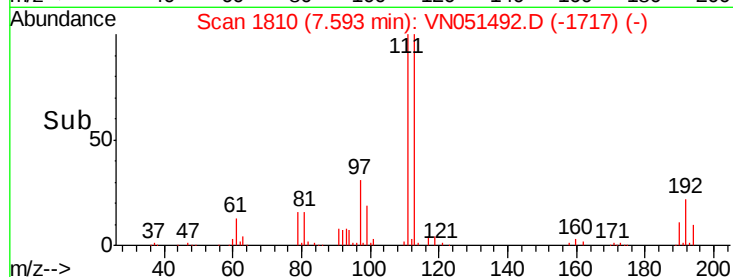
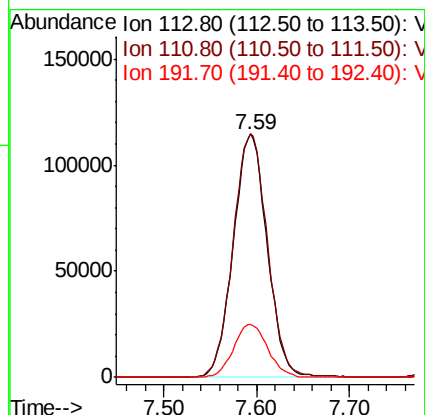
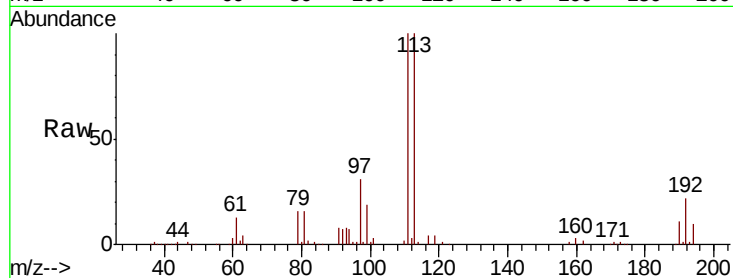




#35
 Dibromofluoromethane
 Concen: 52.162 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

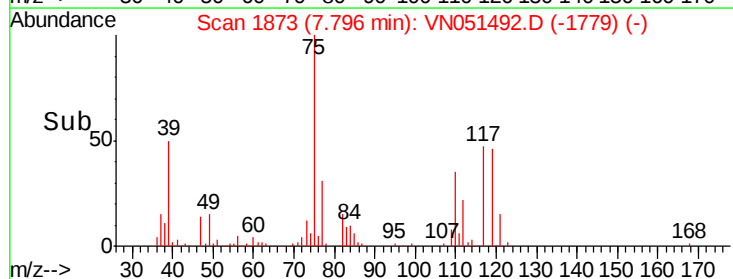
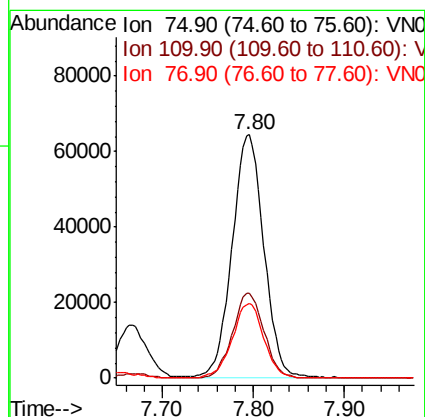
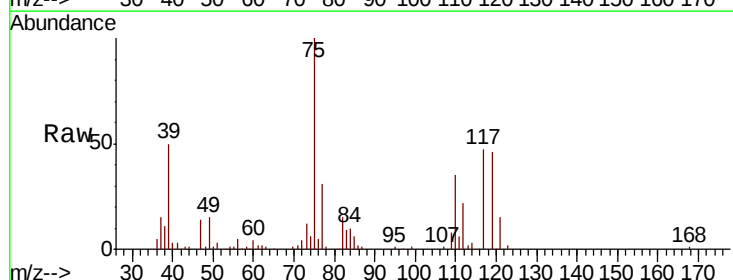
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

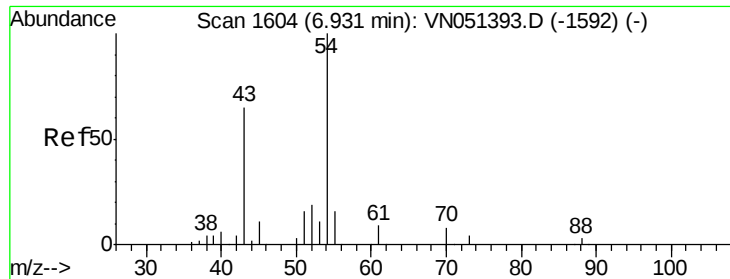
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 19.467 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.1	54.3
77	30.6	25.6	38.4

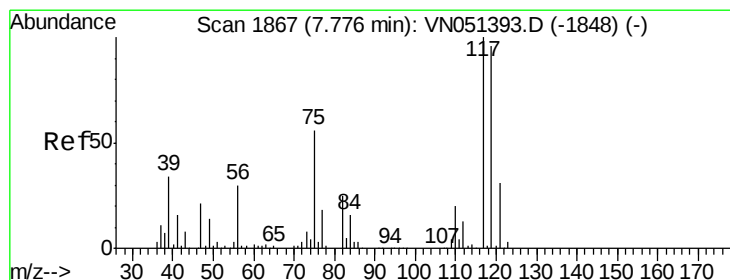
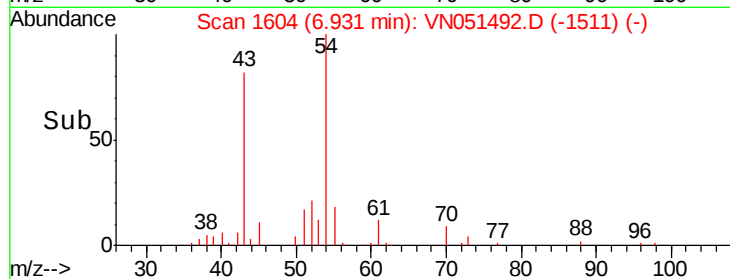
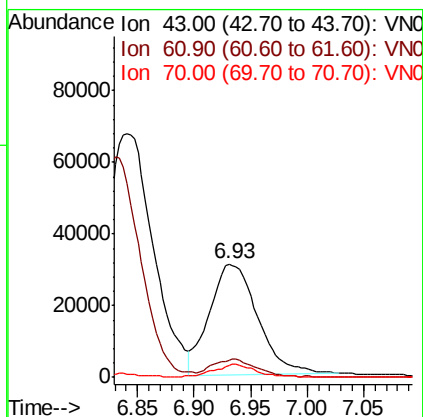
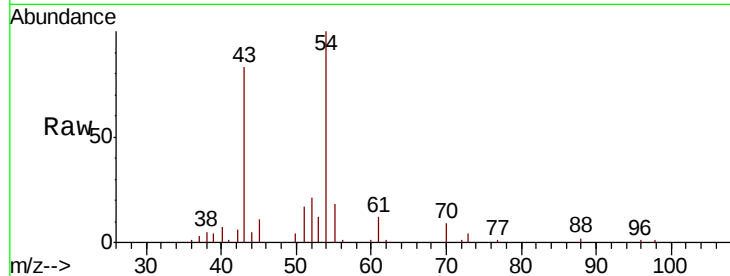




#37
Ethyl Acetate
Concen: 19.807 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

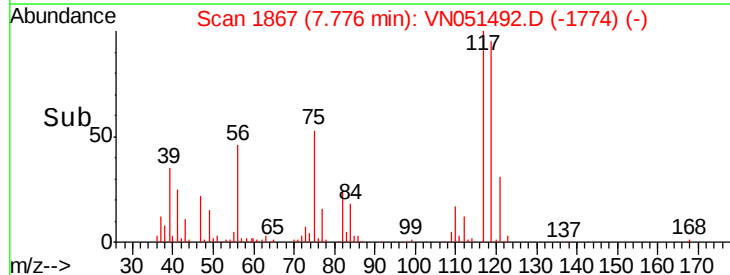
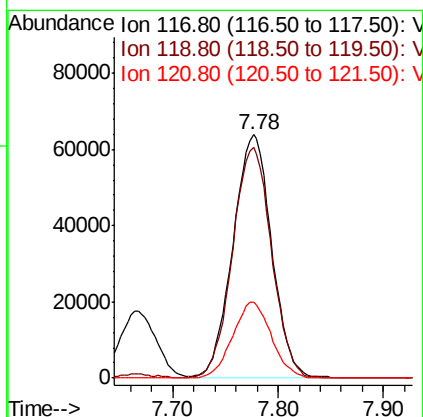
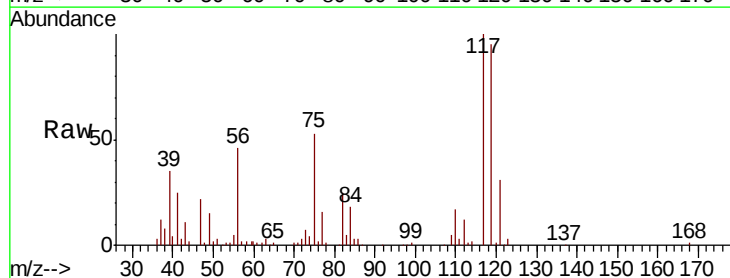
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tot Ion: 43 Resp: 91717
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 8.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.371 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 117 Resp: 163176
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3
121 31.2 24.6 37.0

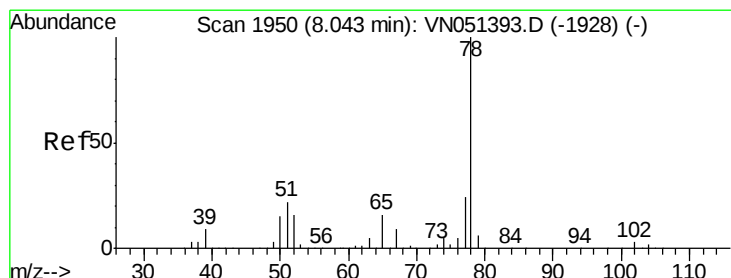
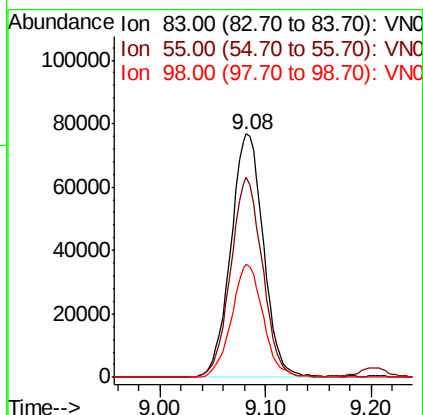
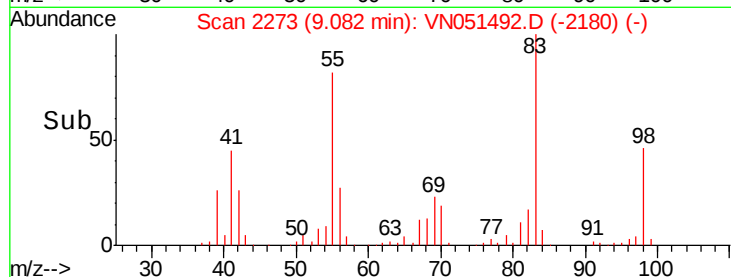
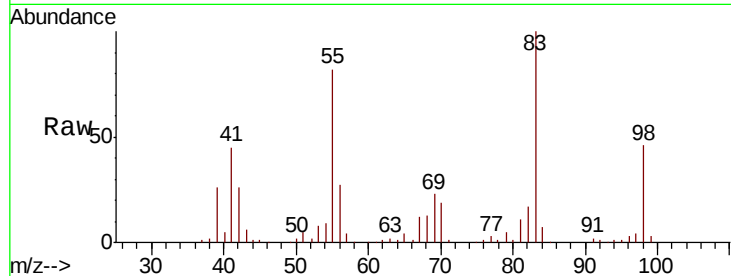




#39
Methvlcvclohexane
Concen: 17.460 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

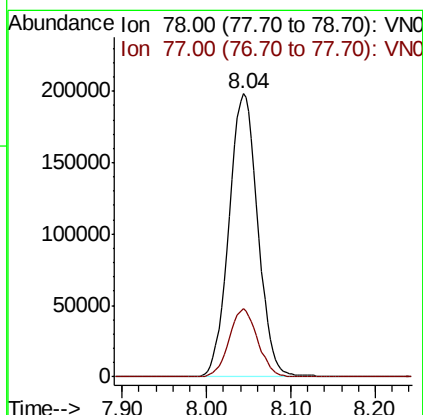
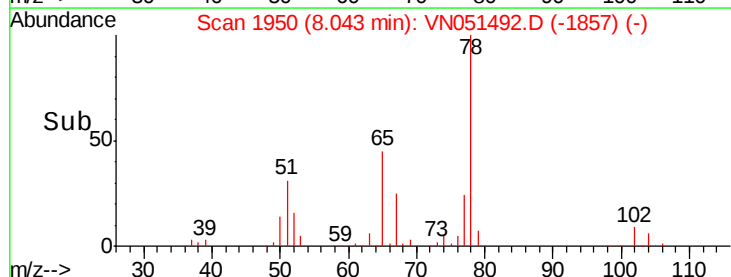
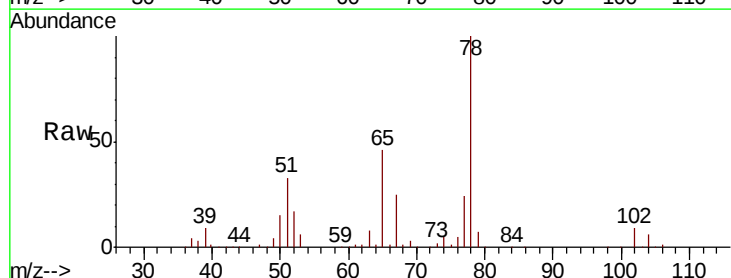
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

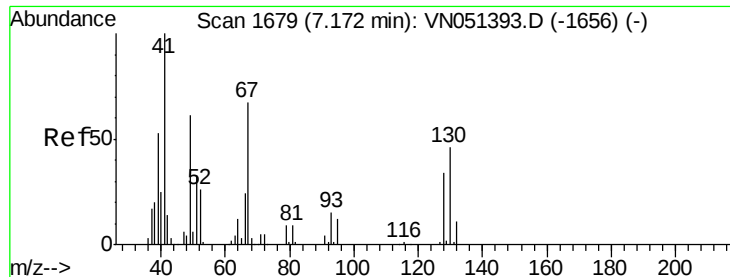
Tot Ion: 83 Resp: 164378
Ion Ratio Lower Upper
83 100
55 82.4 61.0 91.4
98 46.3 35.6 53.4



#40
Benzene
Concen: 19.977 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 78 Resp: 472409
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

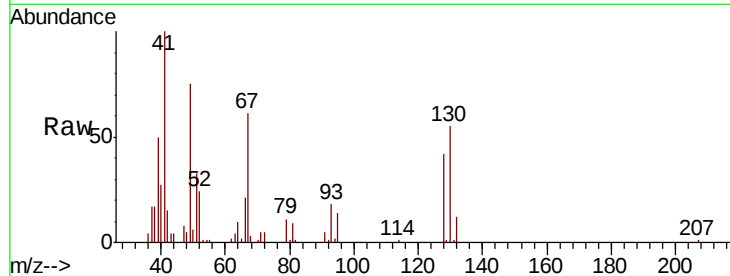




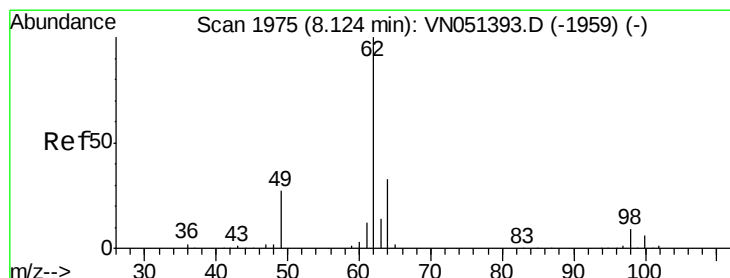
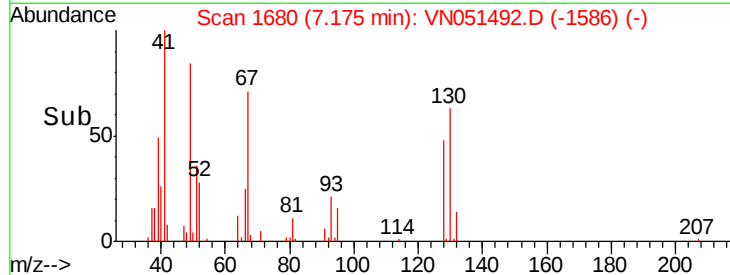
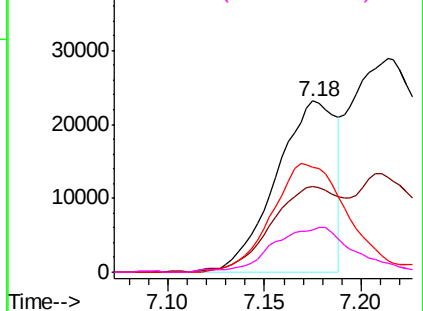
#41
Methacrylonitrile
Concen: 19.489 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD01

Tot Ion:	41	Resp:	49926
Ion	Ratio	Lower	Upper
41	100		
39	57.2	51.4	77.2
67	81.6	66.8	100.2
52	35.4	27.7	41.5

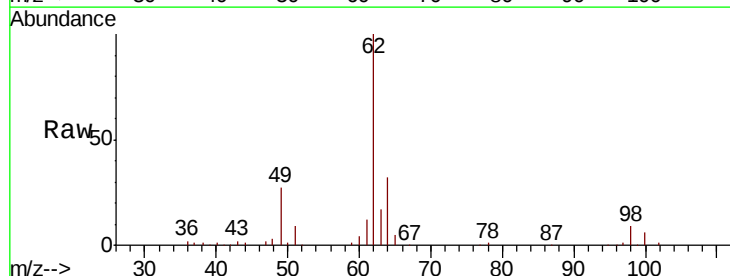


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

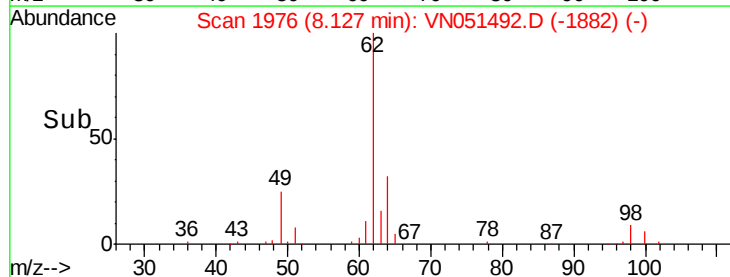
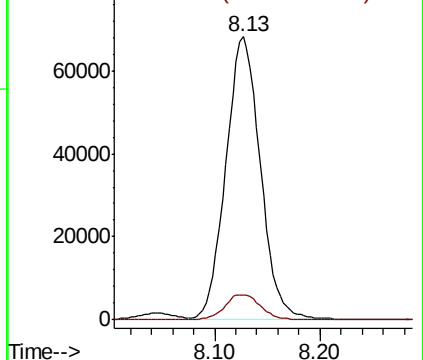


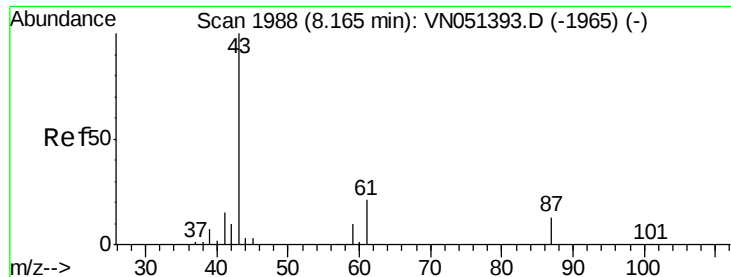
#42
1,2-Dichloroethane
Concen: 20.349 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion:	62	Resp:	154079
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 19.978 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

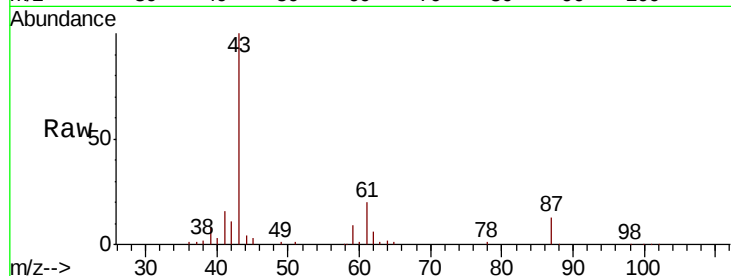
Tot Ion: 43 Resp: 167279

Ion Ratio Lower Upper

43 100

61 19.4 16.8 25.2

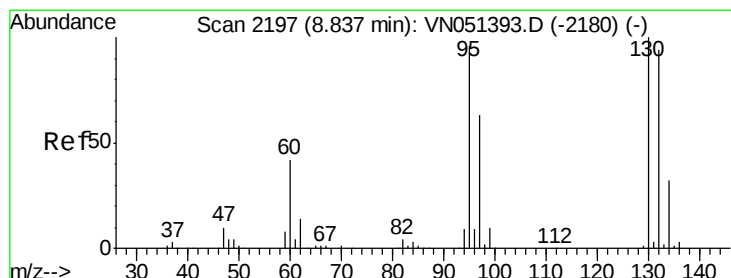
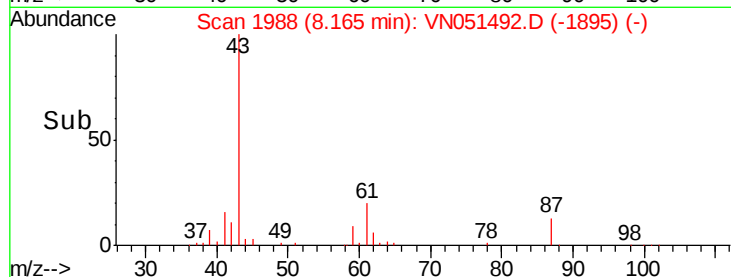
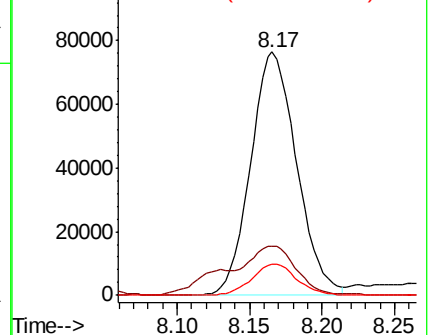
87 12.8 10.7 16.1



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

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

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



#44

Trichloroethene

Concen: 19.227 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051492.D

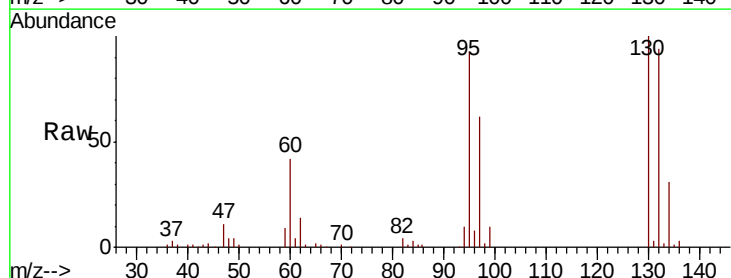
Acq: 25 Sep 2018 19:08

Tgt Ion:130 Resp: 120764

Ion Ratio Lower Upper

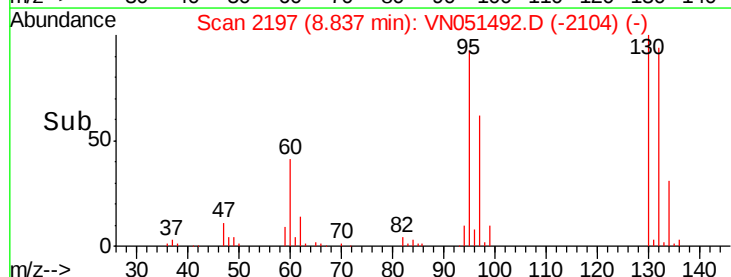
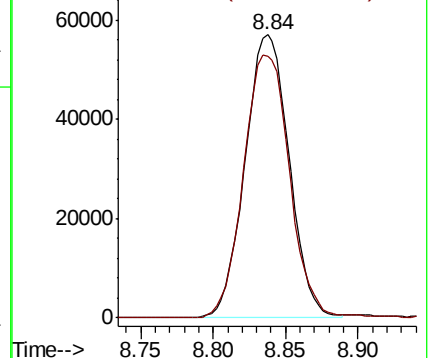
130 100

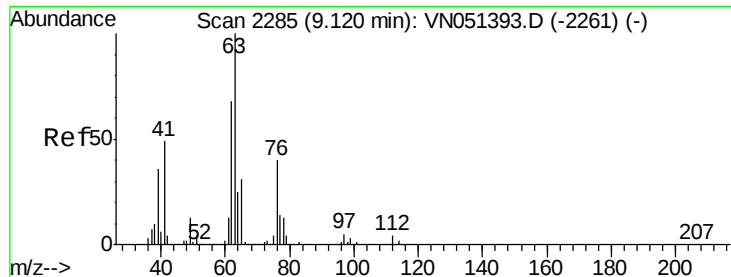
95 92.6 0.0 192.2



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

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





#45

1,2-Dichloropropane

Concen: 20.254 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

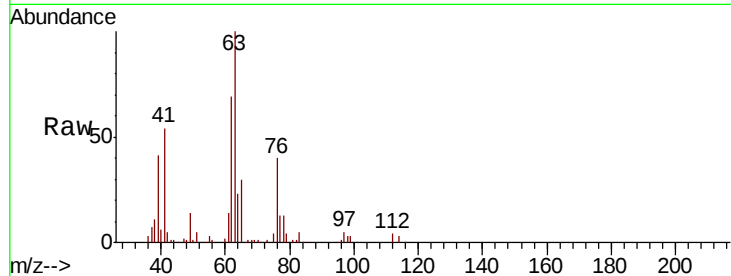
VN0926WBSD01

Tot Ion: 63 Resp: 130195

Ion Ratio Lower Upper

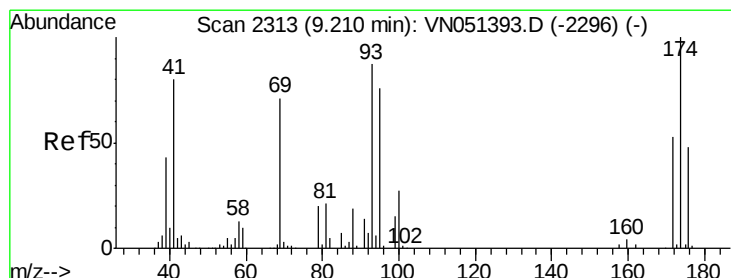
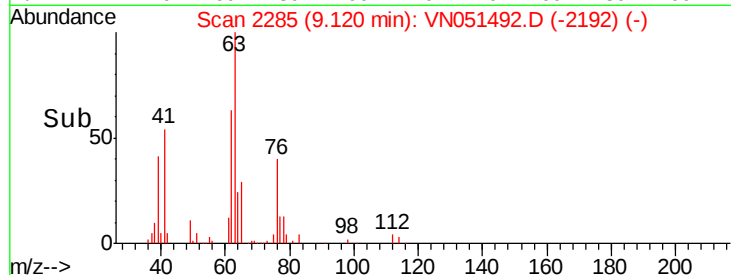
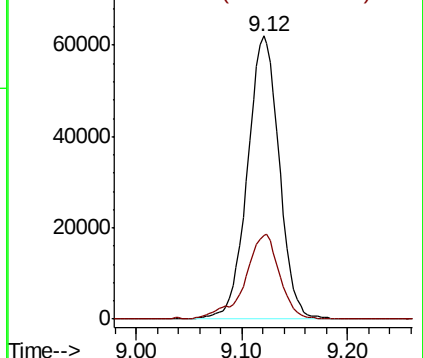
63 100

65 29.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.136 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

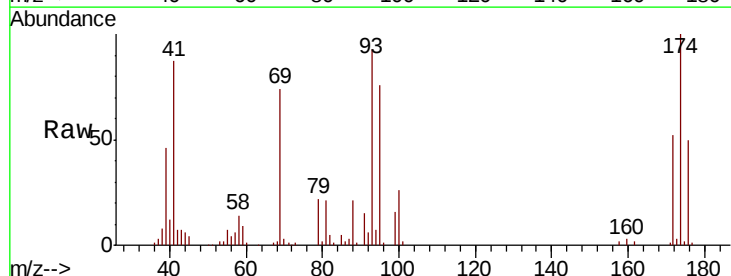
Tgt Ion: 93 Resp: 73133

Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

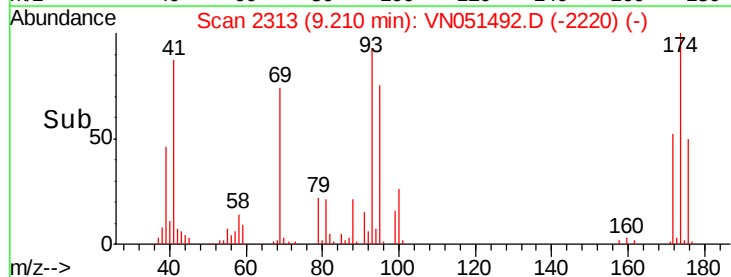
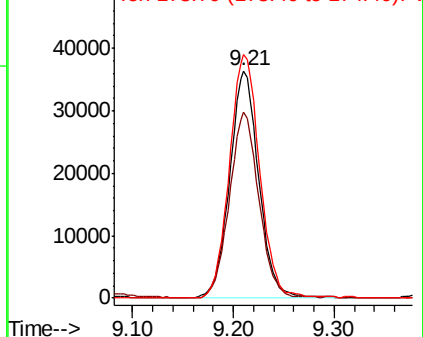
174 110.9 89.6 134.4

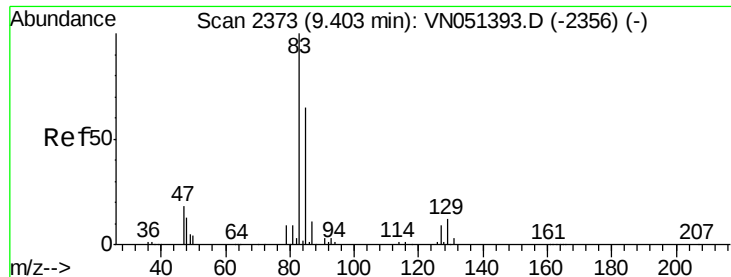


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

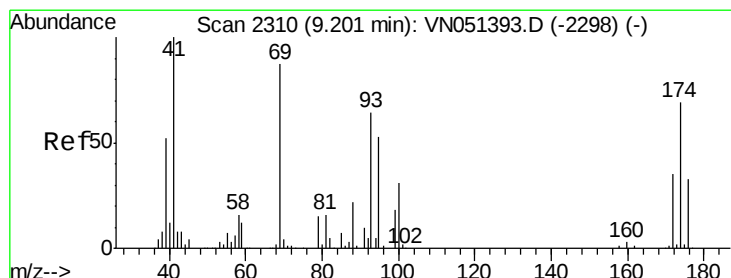
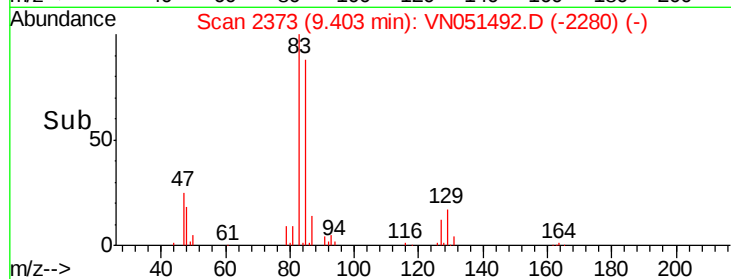
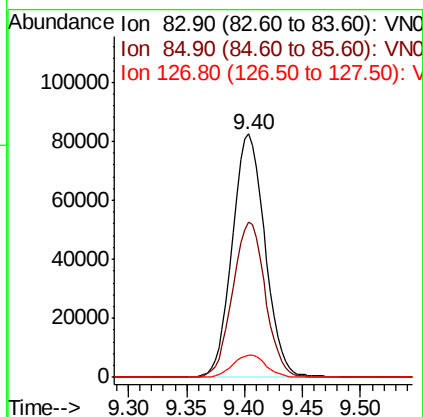
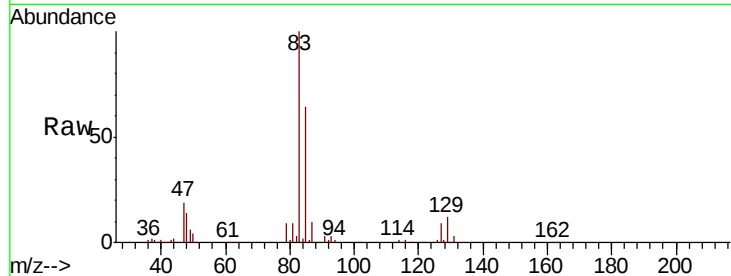




#47
Bromodichloromethane
Concen: 20.091 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

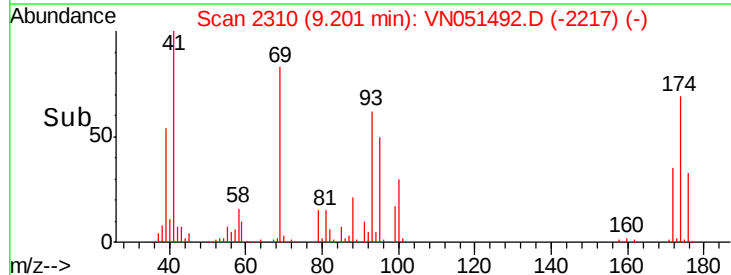
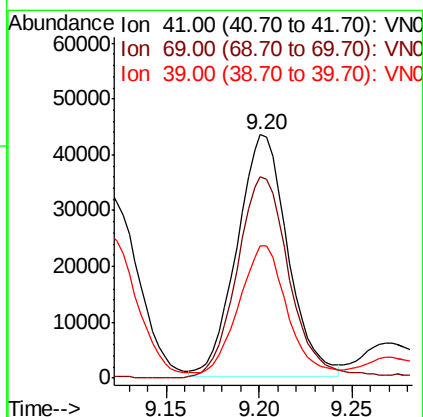
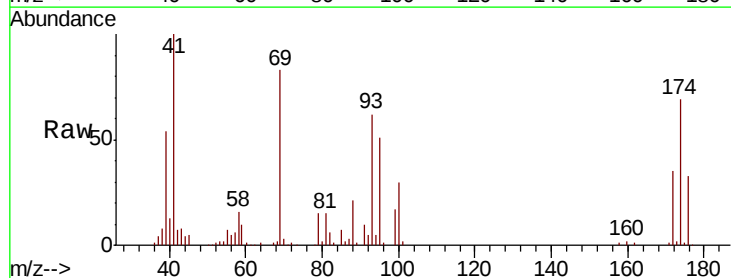
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

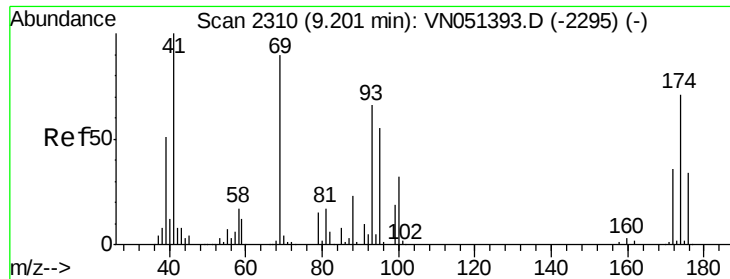
Tot Ion: 83 Resp: 161482
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6
127 9.1 7.4 11.2



#48
Methyl methacrylate
Concen: 19.866 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 41 Resp: 82934
Ion Ratio Lower Upper
41 100
69 85.8 70.4 105.6
39 52.3 43.8 65.8





#49

1,4-Dioxane

Concen: 399.768 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

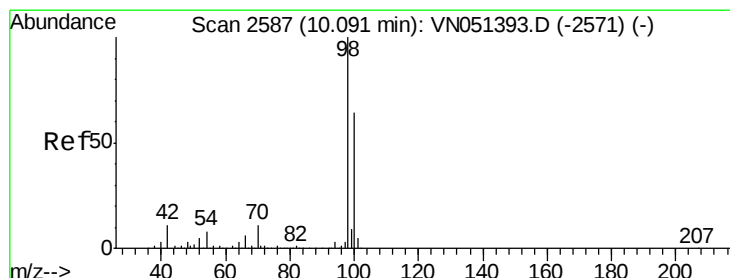
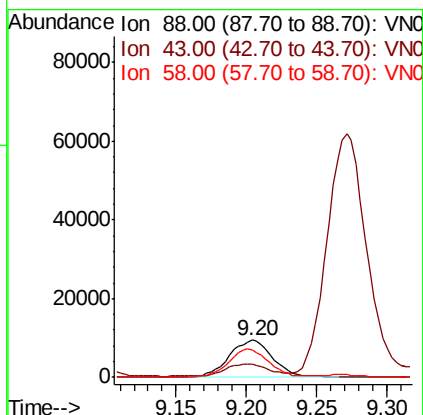
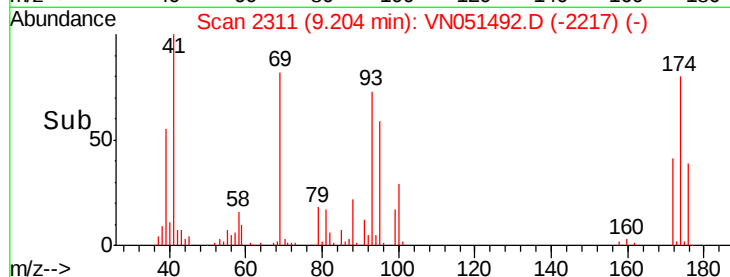
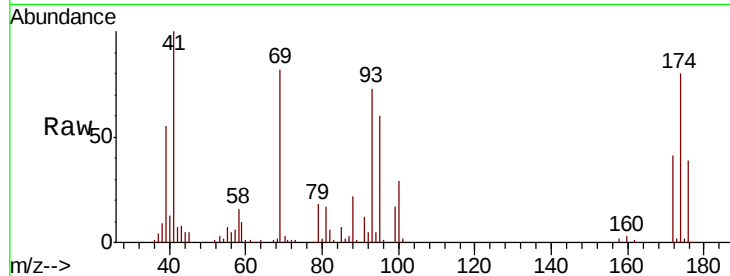
Tot Ion: 88 Resp: 20453

Ion Ratio Lower Upper

88 100

43 34.6 25.9 38.9

58 70.1 57.0 85.4



#50

Toluene-d8

Concen: 50.223 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051492.D

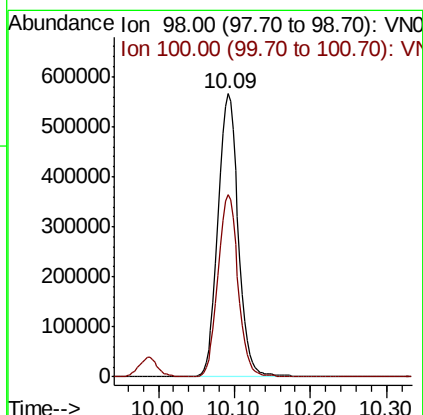
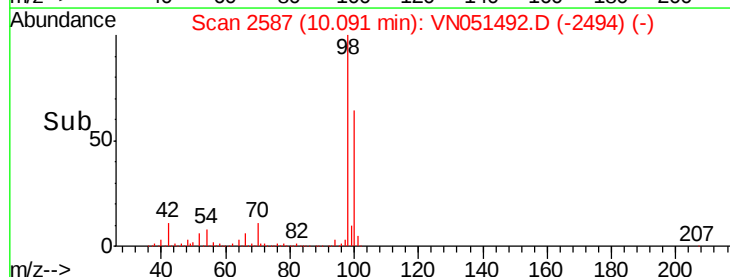
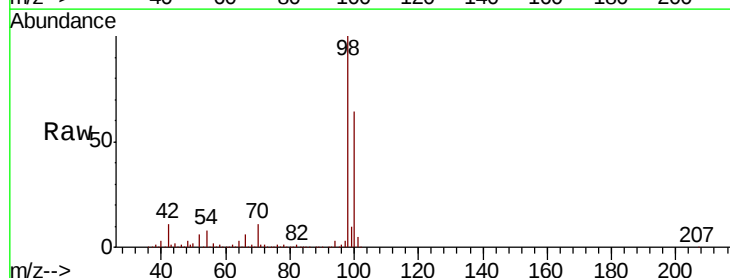
Acq: 25 Sep 2018 19:08

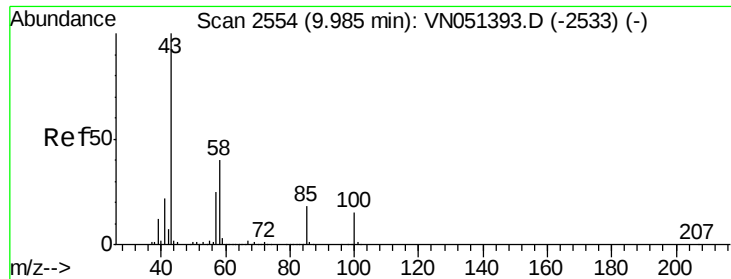
Tgt Ion: 98 Resp: 1051773

Ion Ratio Lower Upper

98 100

100 63.4 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 99.725 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleID :

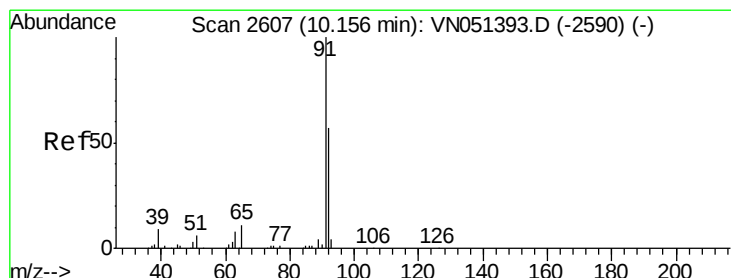
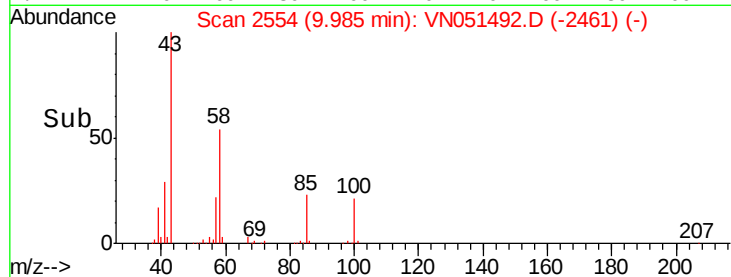
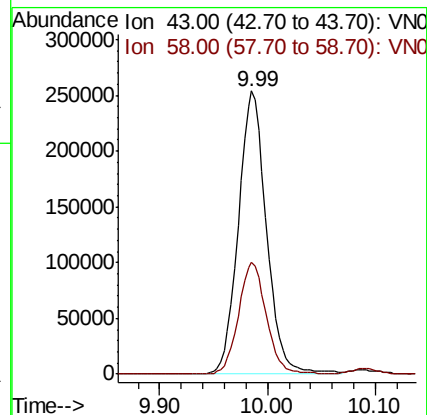
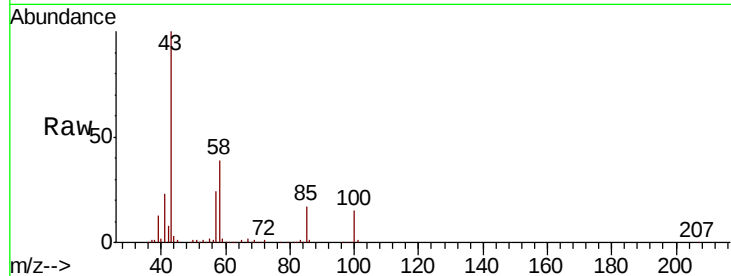
VN0926WBSD01

Tot Ion: 43 Resp: 459230

Ion Ratio Lower Upper

43 100

58 39.2 31.5 47.3



#52

Toluene

Concen: 19.299 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051492.D

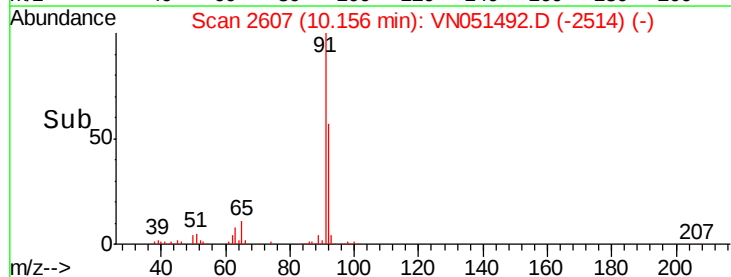
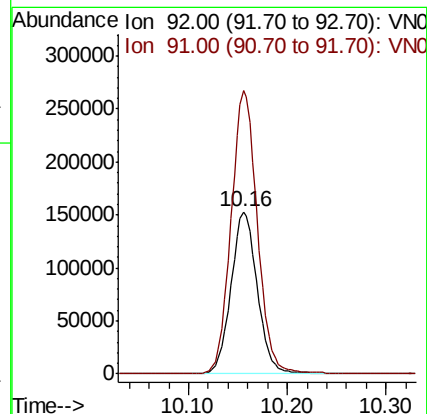
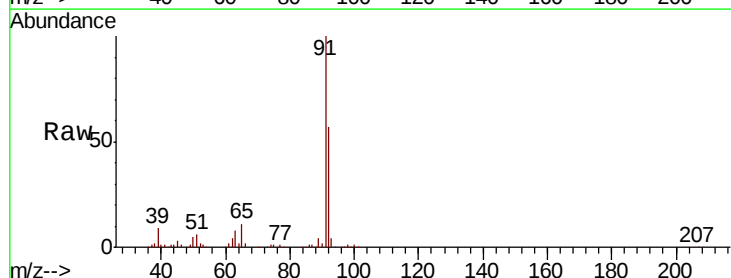
Acq: 25 Sep 2018 19:08

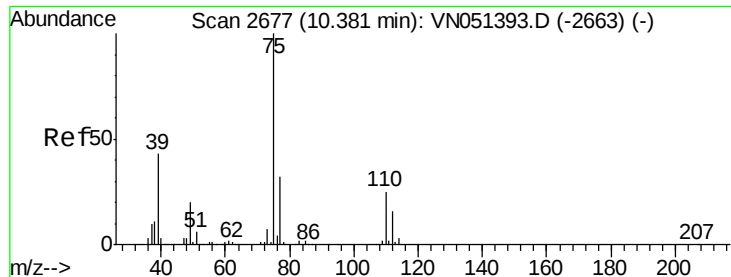
Tgt Ion: 92 Resp: 283618

Ion Ratio Lower Upper

92 100

91 175.7 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 18.847 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

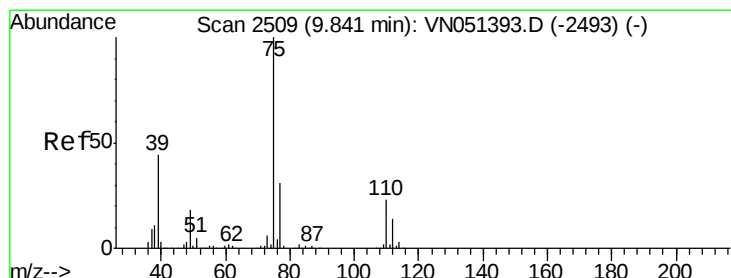
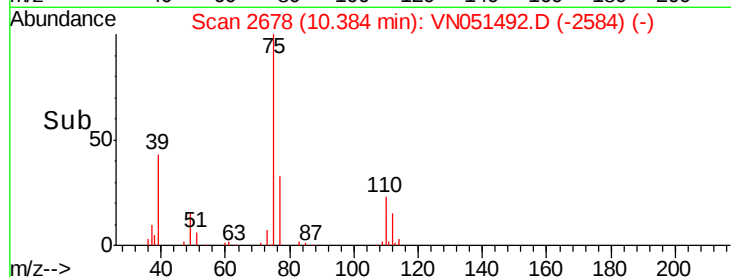
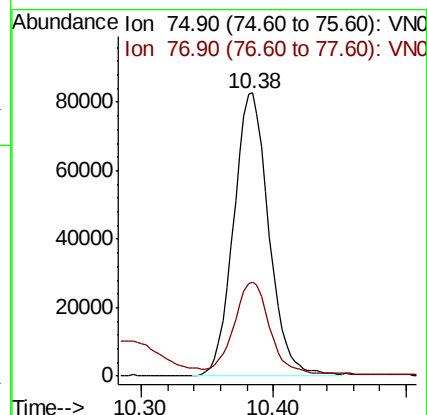
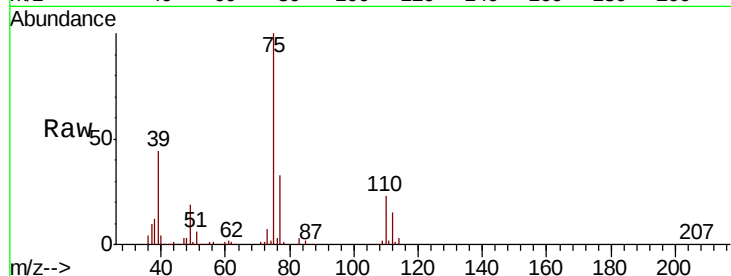
VN0926WBSD01

Tot Ion: 75 Resp: 152937

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

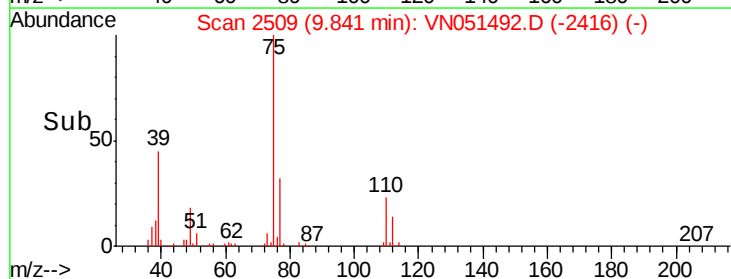
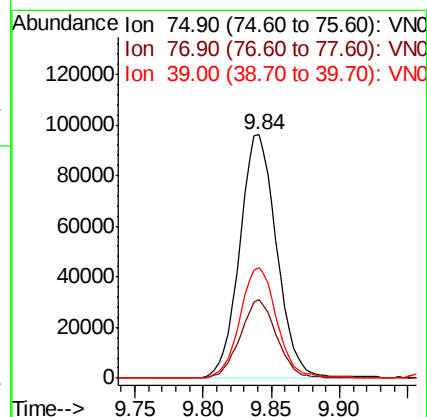
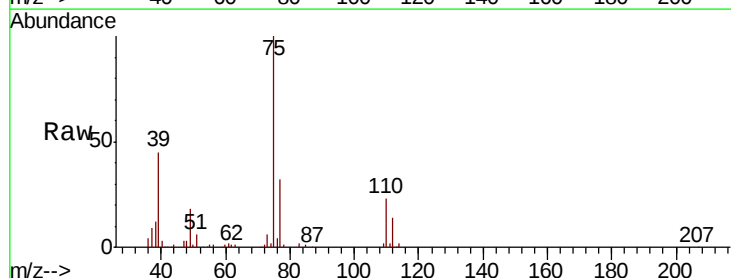
Tgt Ion: 75 Resp: 180757

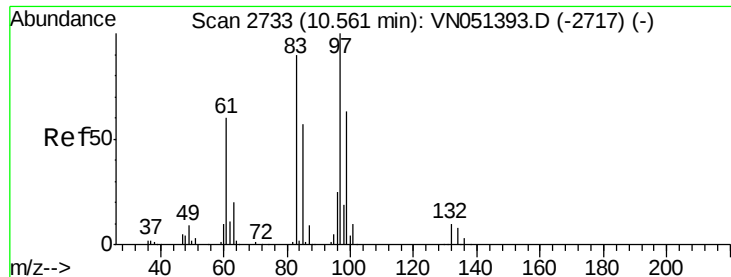
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 45.2 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 20.779 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tot Ion: 97 Resp: 107921

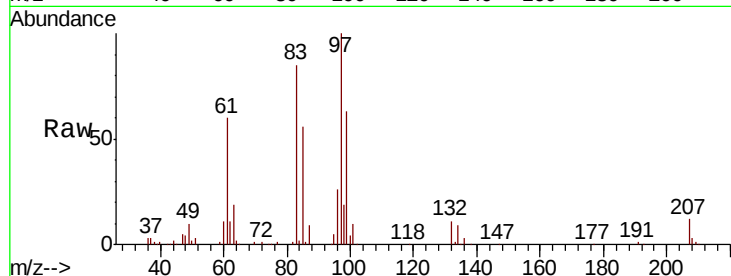
Ion Ratio Lower Upper

97 100

83 84.8 72.0 108.0

85 55.9 45.2 67.8

99 62.8 50.7 76.1

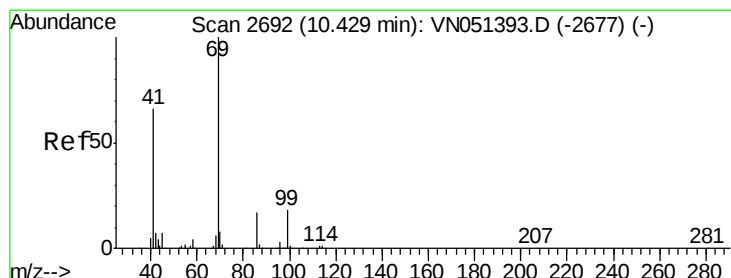
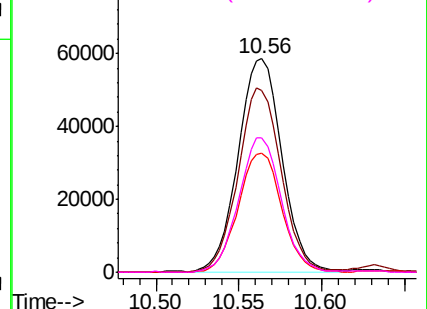
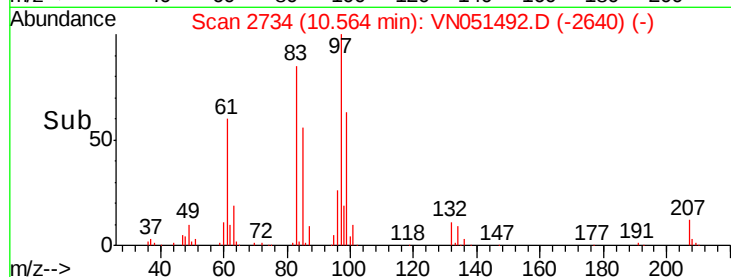


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.939 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

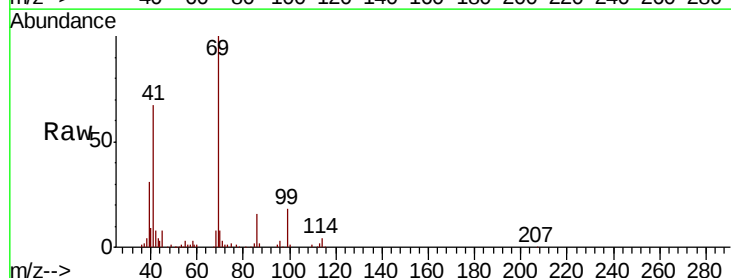
Tgt Ion: 69 Resp: 120263

Ion Ratio Lower Upper

69 100

41 65.2 52.4 78.6

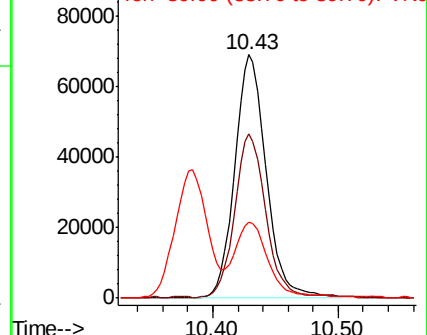
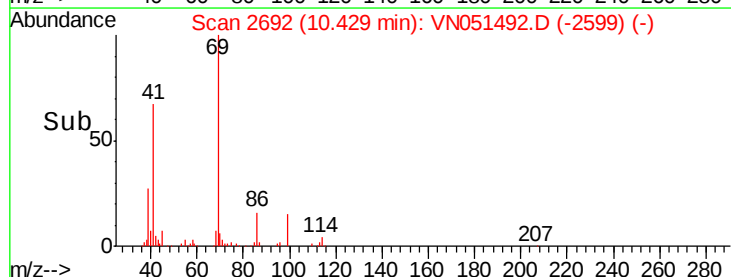
39 31.6 26.3 39.5

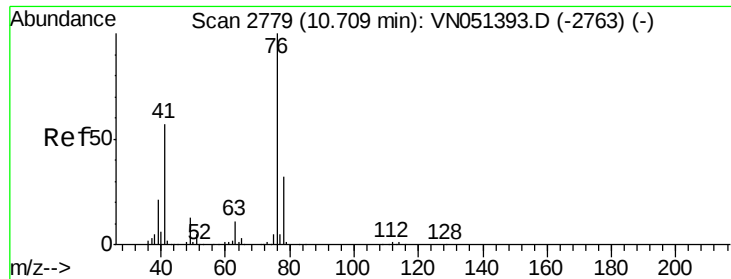


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

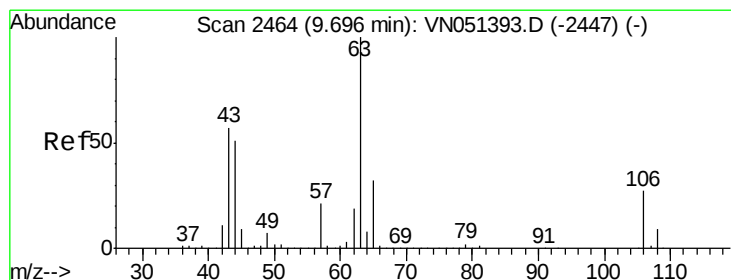
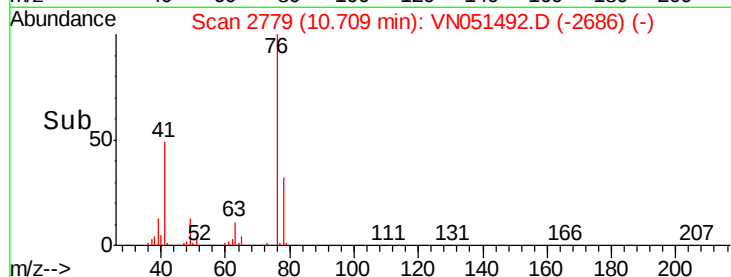
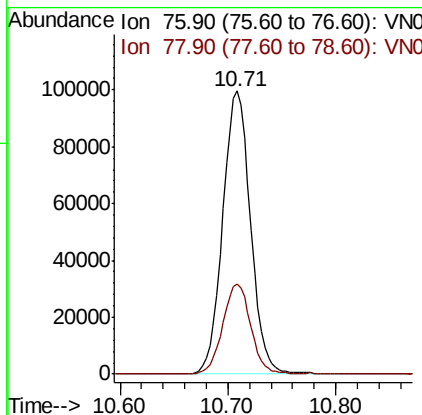
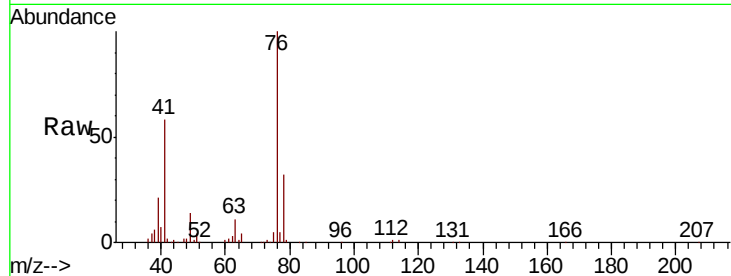




#57
 1,3-Dichloropropane
 Concen: 20.028 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

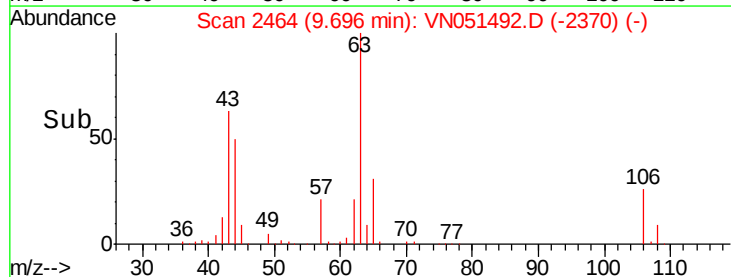
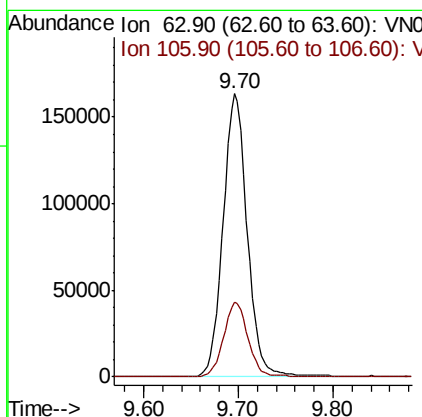
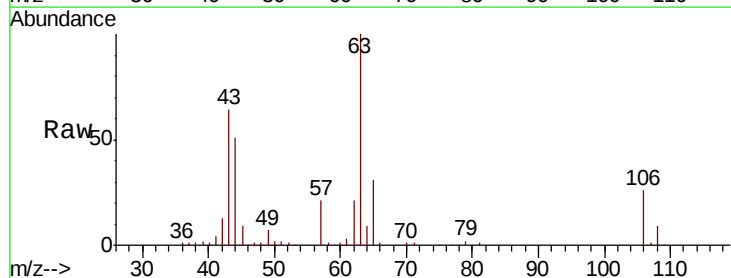
Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBSD01

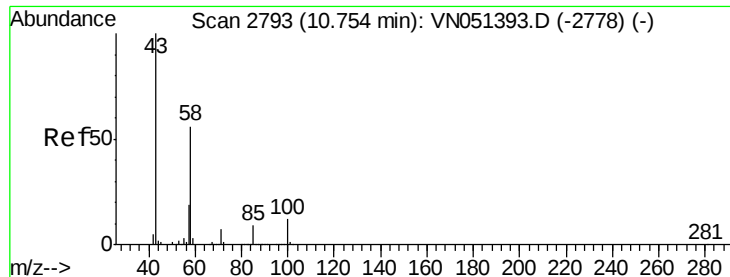
Tot Ion: 76 Resp: 178288
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.078 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 63 Resp: 290733
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.4 32.2

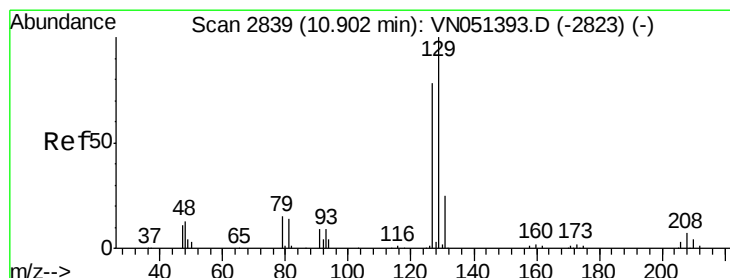
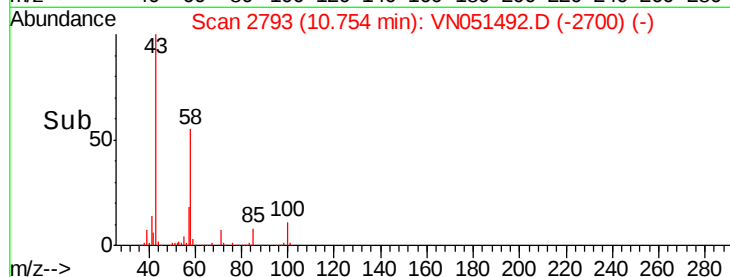
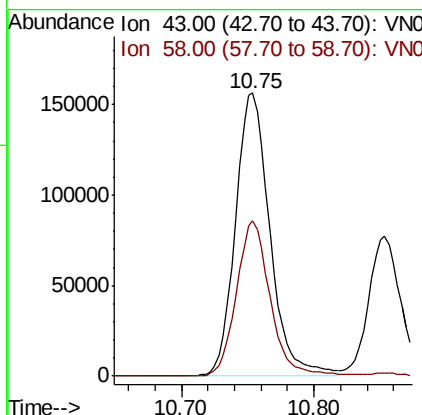
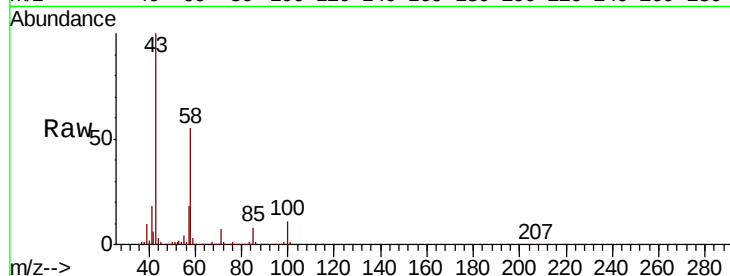




#59
2-Hexanone
Concen: 94.260 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

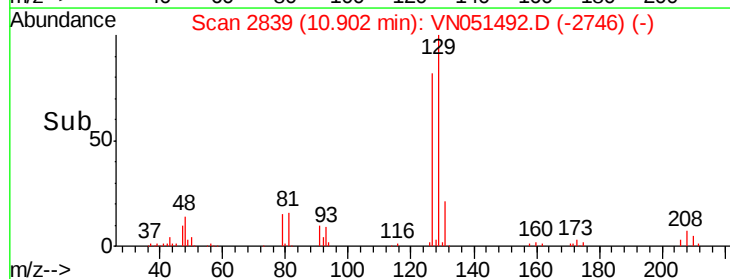
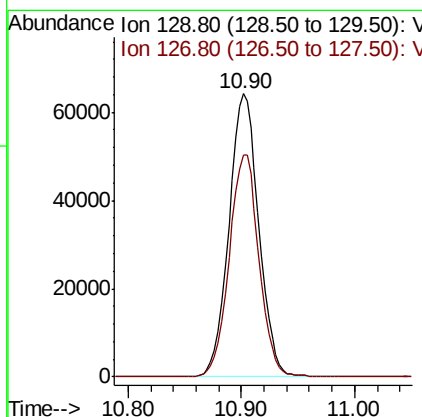
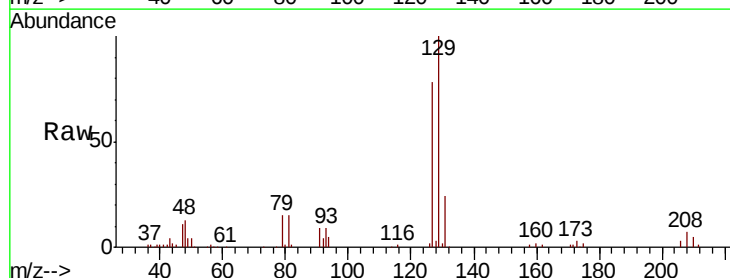
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

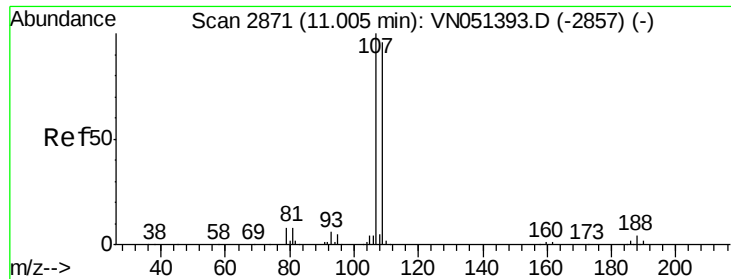
Tot Ion: 43 Resp: 281388
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0



#60
Dibromochloromethane
Concen: 19.193 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 129 Resp: 117616
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

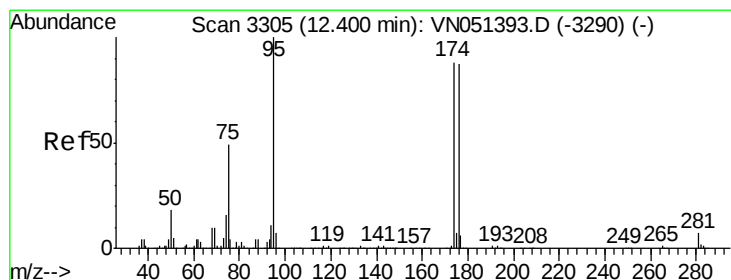
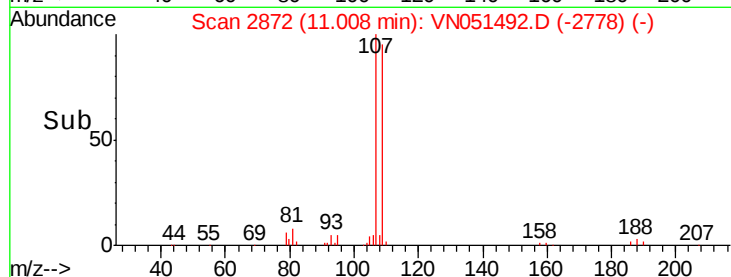
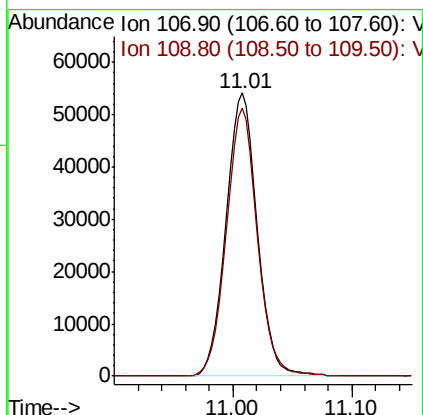
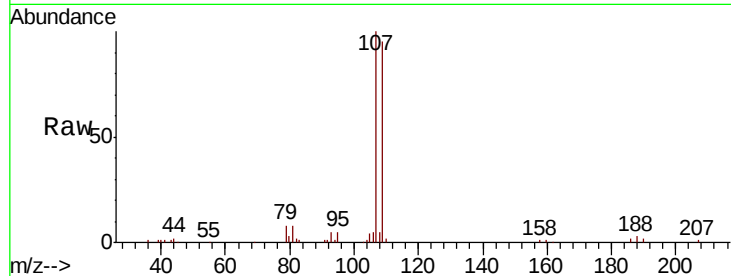




#61
 1,2-Dibromoethane
 Concen: 19.472 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

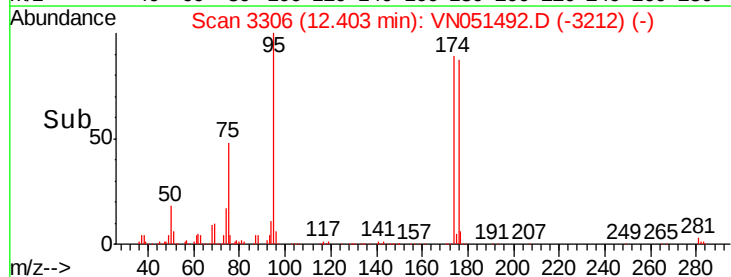
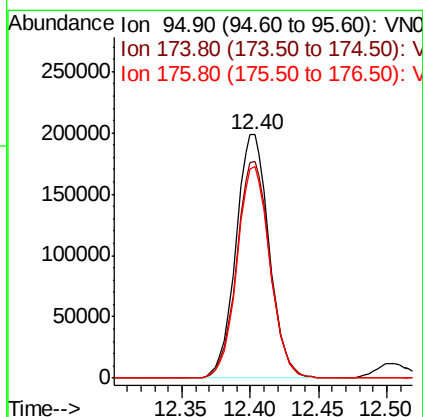
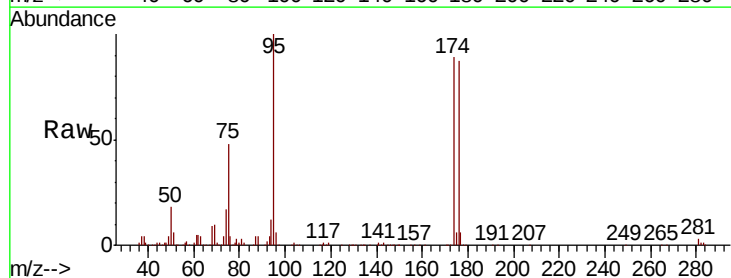
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

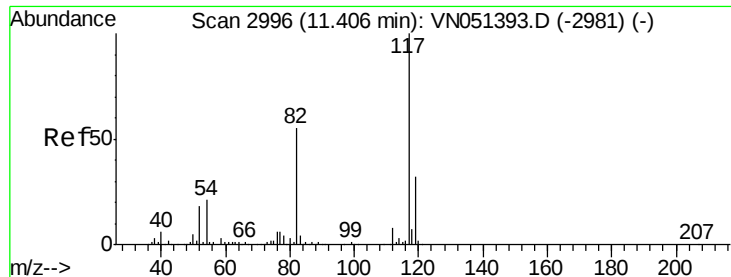
Tot Ion: 107 Resp: 98174
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.527 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 95 Resp: 335528
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 181.6
 176 86.0 0.0 176.4

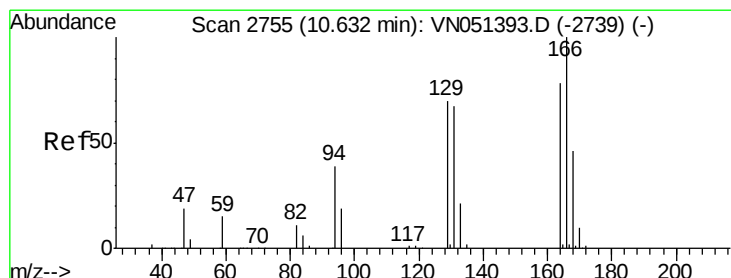
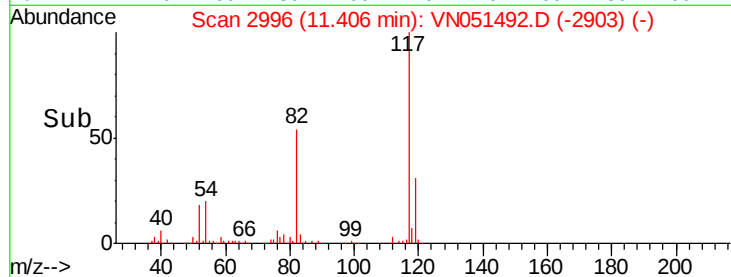
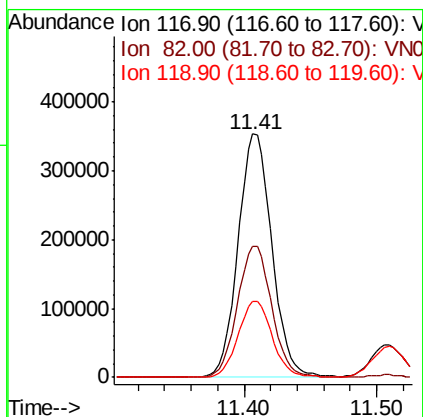
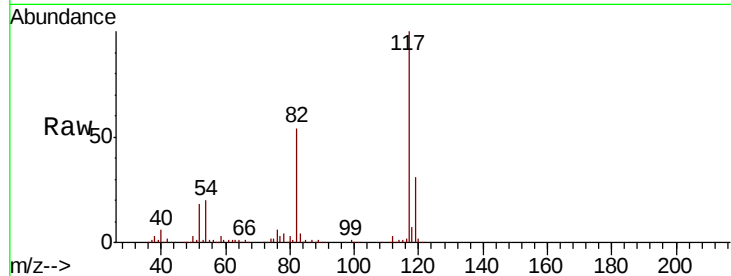




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

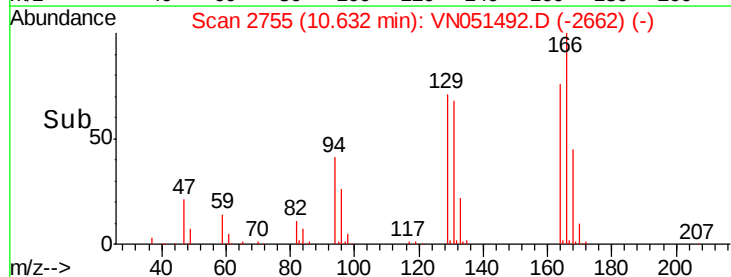
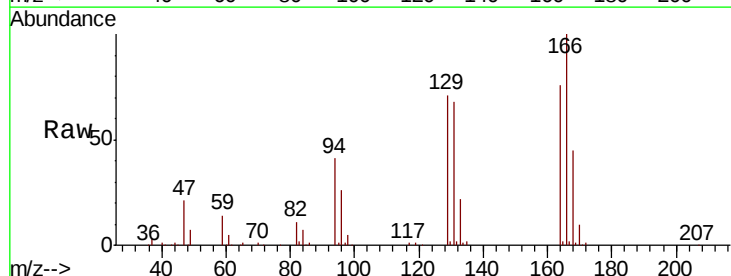
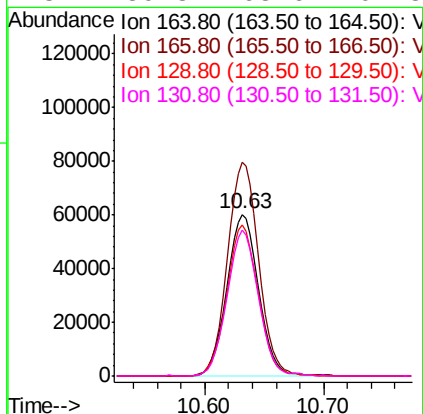
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

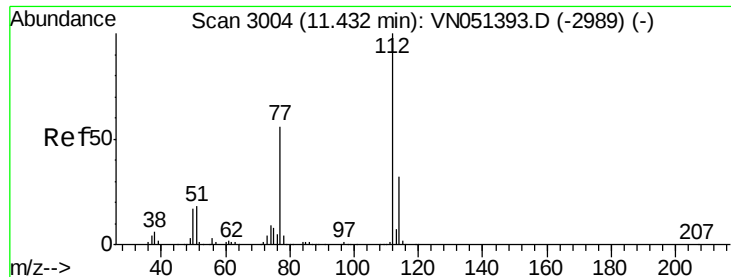
Tot Ion:117 Resp: 627022
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 31.4 25.9 38.9



#64
Tetrachloroethene
Concen: 19.595 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion:164 Resp: 111505
Ion Ratio Lower Upper
164 100
166 132.0 102.3 153.5
129 93.6 71.8 107.8
131 89.8 68.6 102.8





#65

Chlorobenzene

Concen: 18.961 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

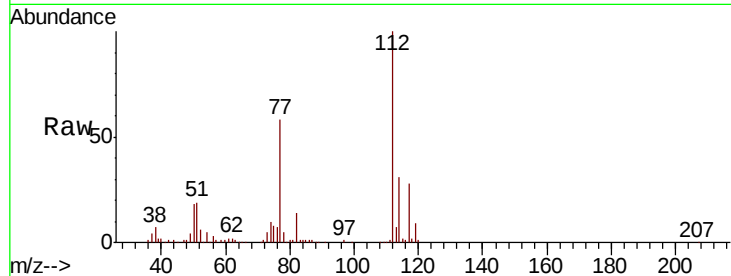
VN0926WBSD01

Tot Ion:112 Resp: 305038

Ion Ratio Lower Upper

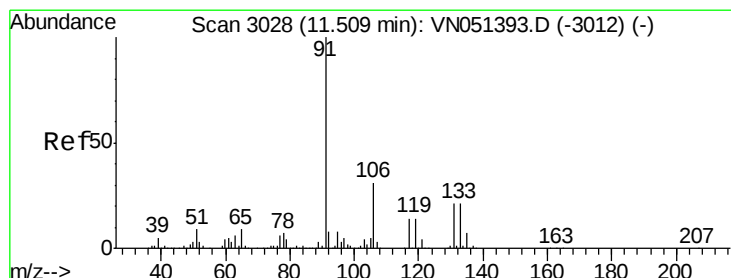
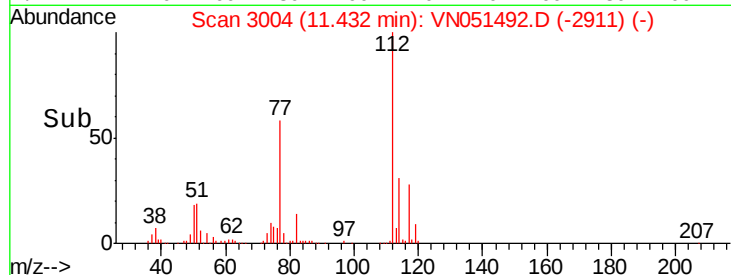
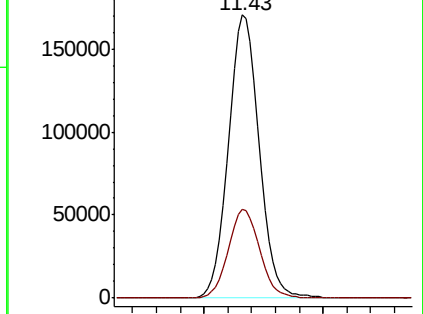
112 100

114 31.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.775 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

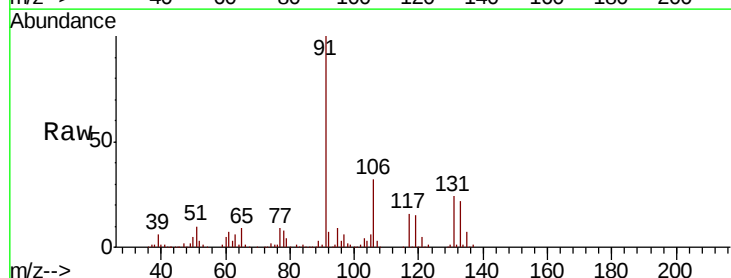
Tgt Ion:131 Resp: 121202

Ion Ratio Lower Upper

131 100

133 93.1 48.3 144.8

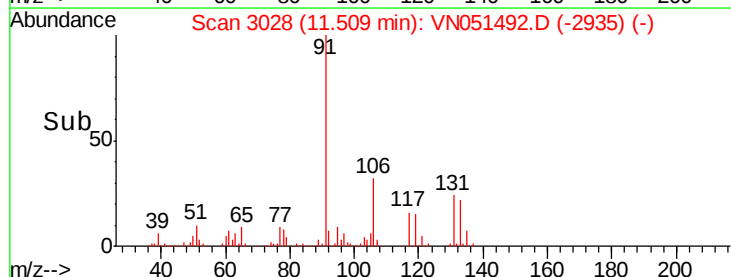
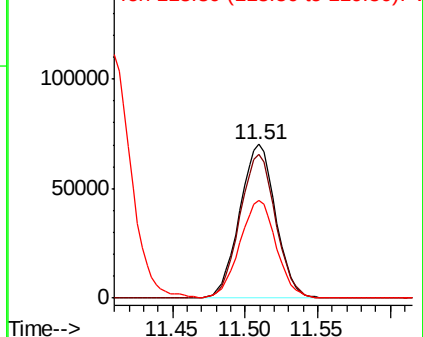
119 64.7 32.8 98.4

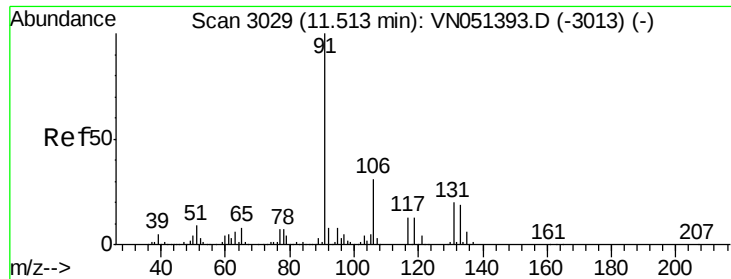


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

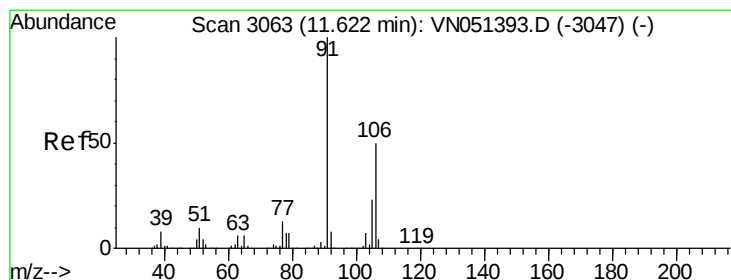
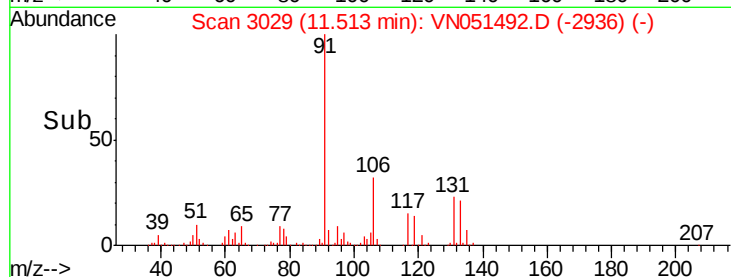
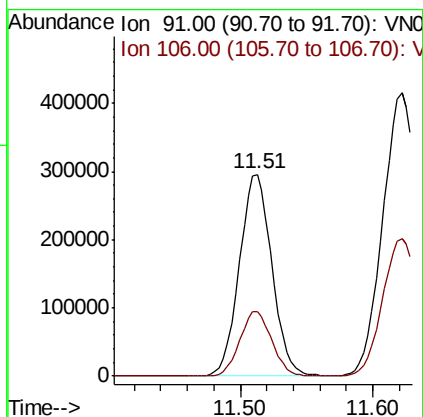
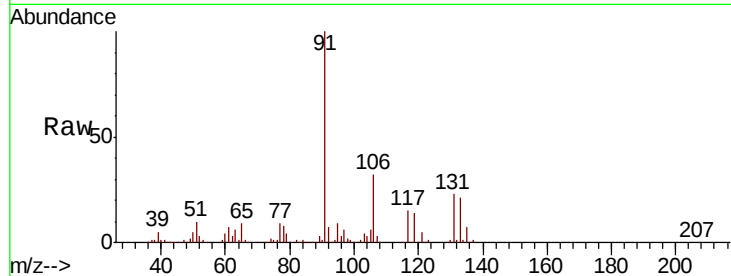




#67
Ethyl Benzene
Concen: 18.533 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

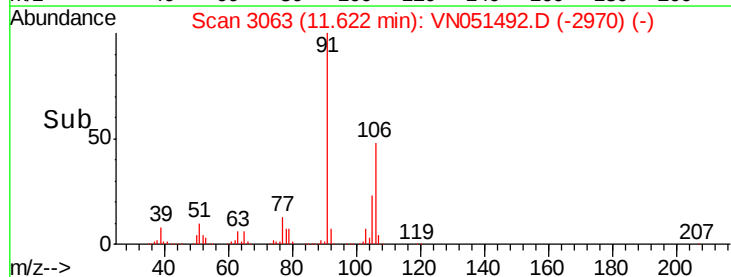
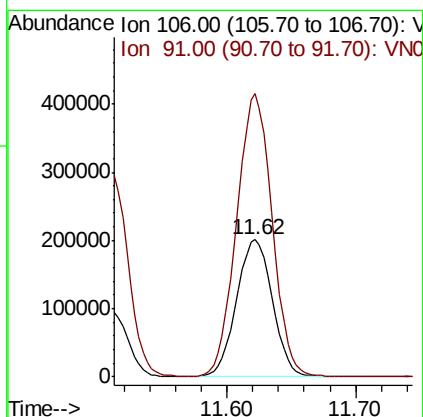
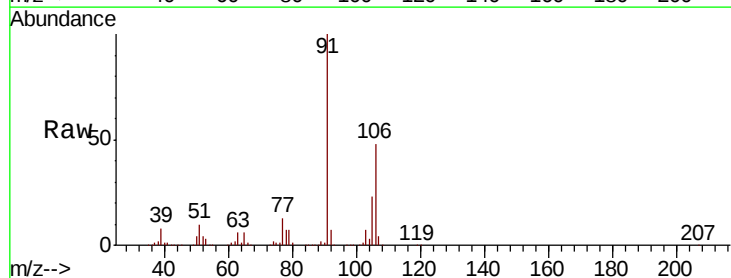
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

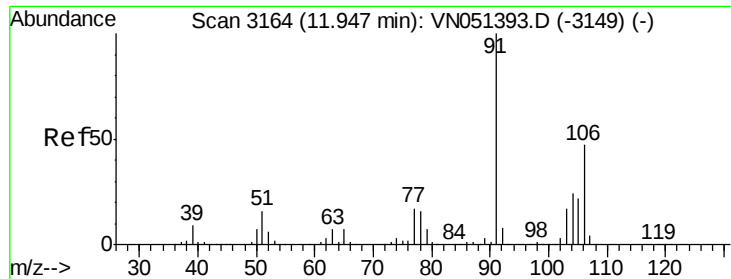
Tot Ion: 91 Resp: 502468
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 37.216 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 106 Resp: 390279
Ion Ratio Lower Upper
106 100
91 204.0 161.3 241.9

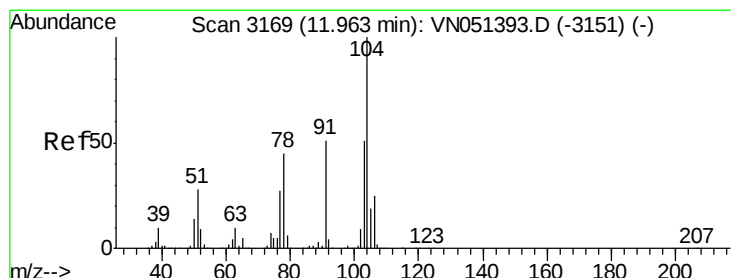
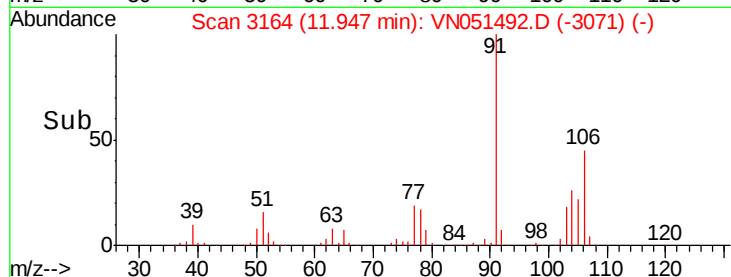
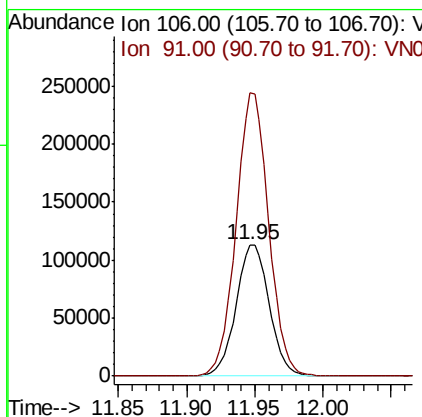
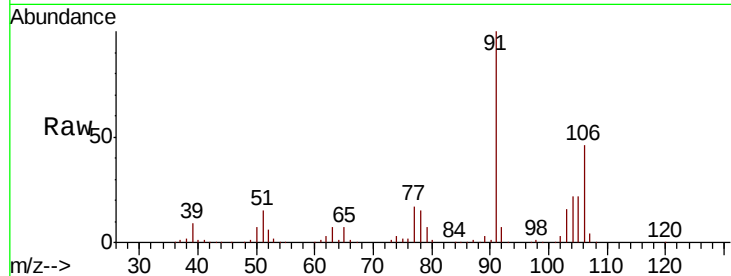




#69
o-Xylene
Concen: 18.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

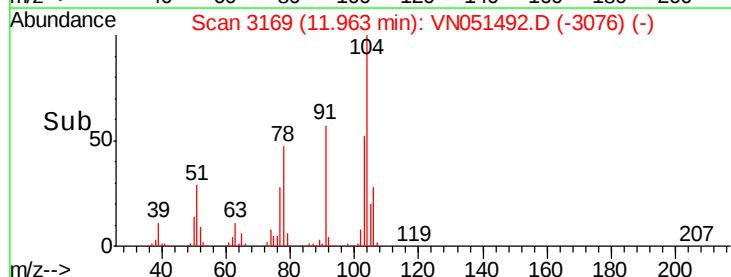
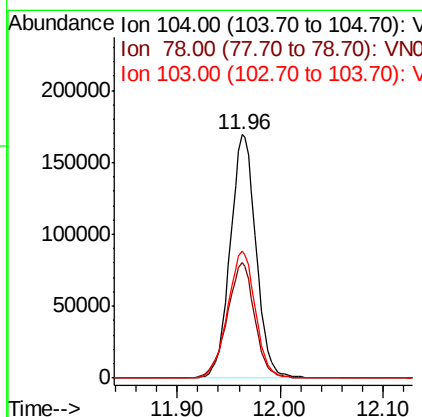
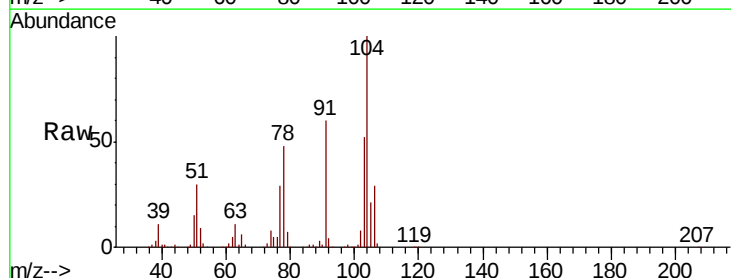
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

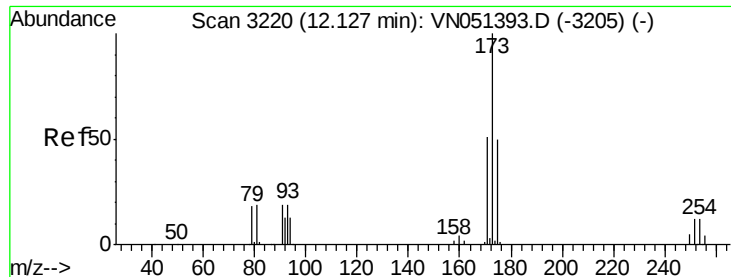
Tot Ion:106 Resp: 190935
Ion Ratio Lower Upper
106 100
91 211.8 105.3 315.9



#70
Styrene
Concen: 18.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion:104 Resp: 294978
Ion Ratio Lower Upper
104 100
78 50.7 39.9 59.9
103 56.0 44.6 66.8

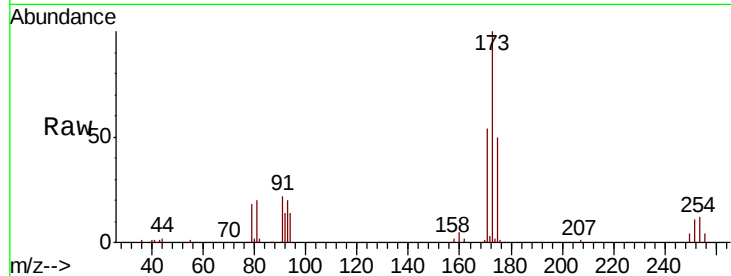




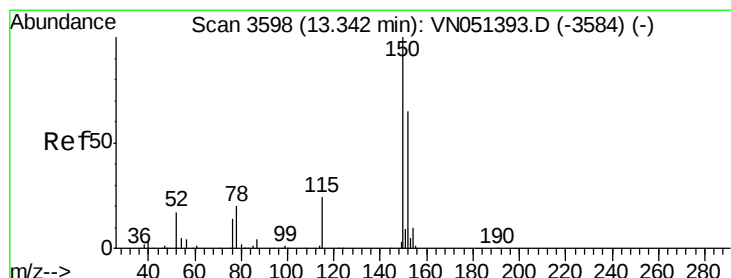
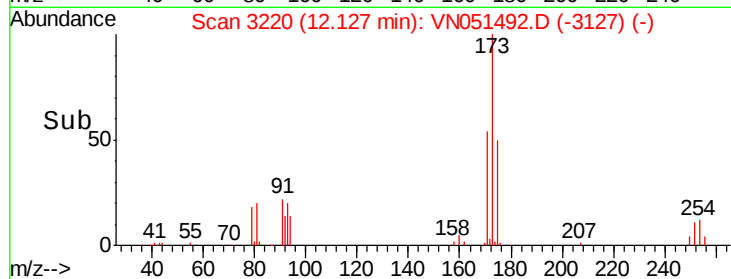
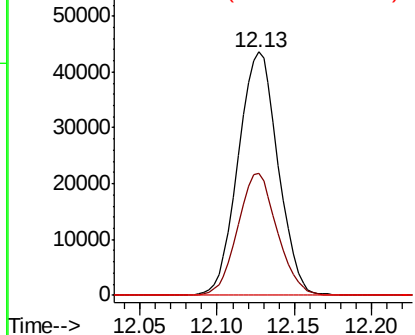
#71
Bromoform
Concen: 18.770 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tot Ion:173 Resp: 78063
Ion Ratio Lower Upper
173 100
175 49.5 24.8 74.3
254 0.0 0.2 0.2#

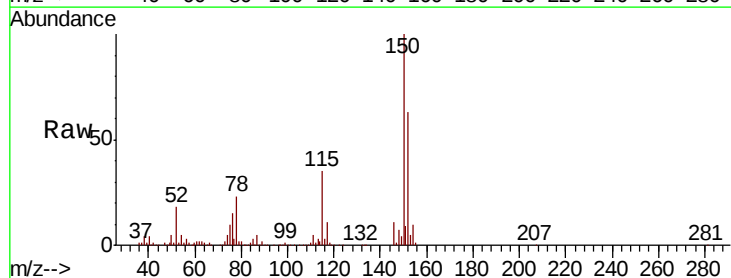


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

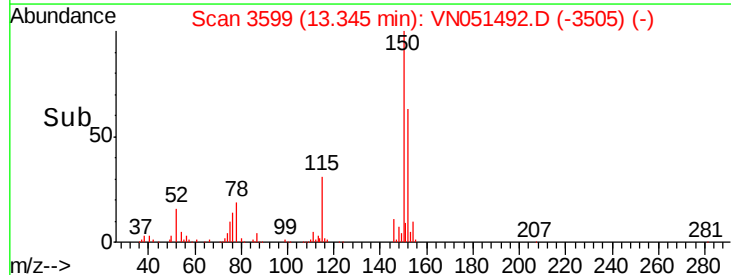
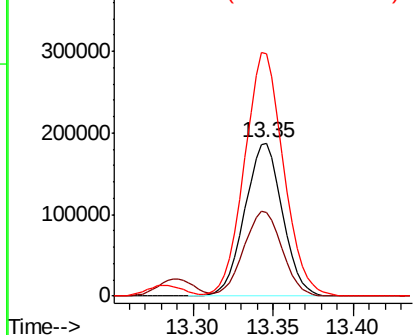


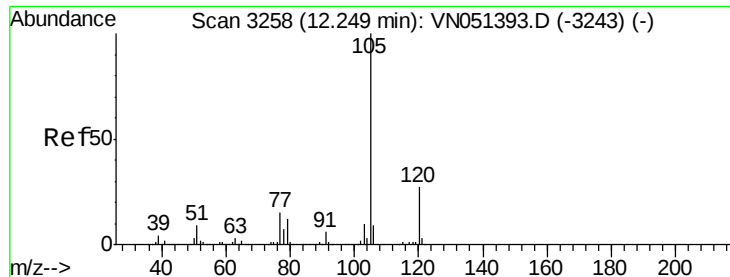
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion:152 Resp: 302955
Ion Ratio Lower Upper
152 100
115 56.1 28.3 84.9
150 164.9 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: 19.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

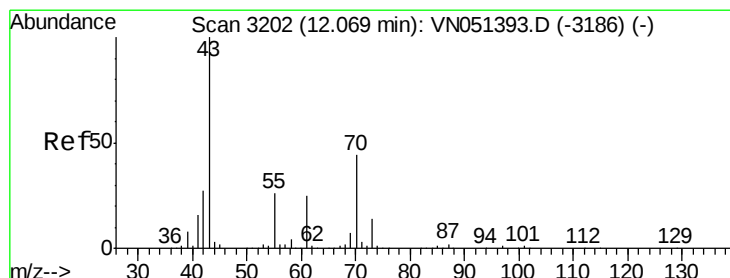
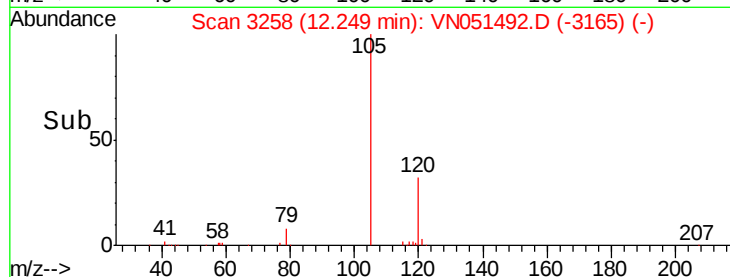
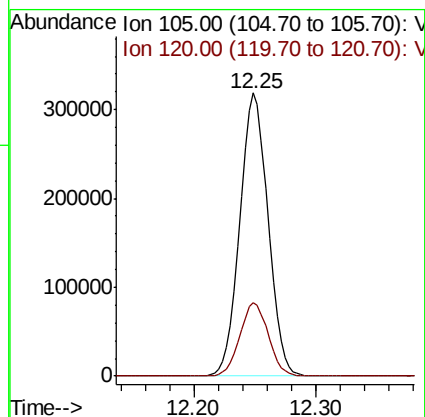
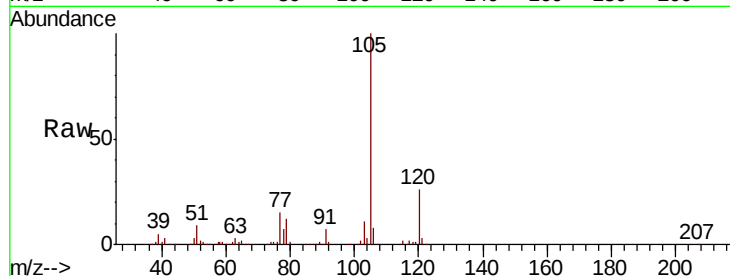
VN0926WBSD01

Tot Ion:105 Resp: 507462

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 19.047 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Tgt Ion: 43 Resp: 122158

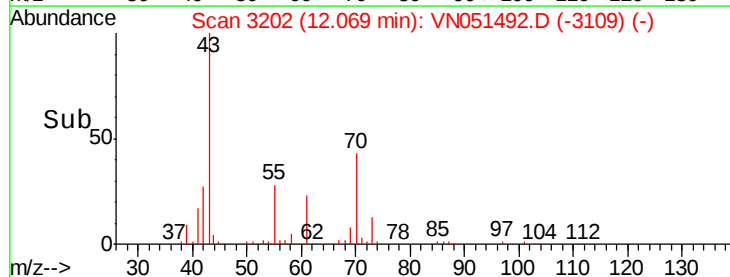
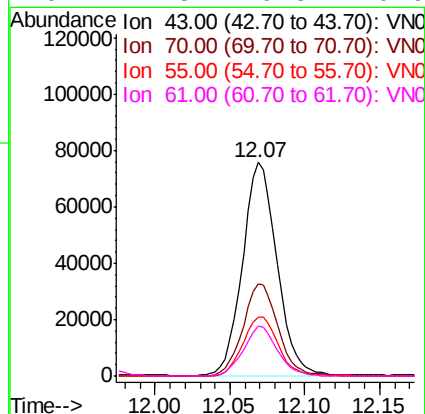
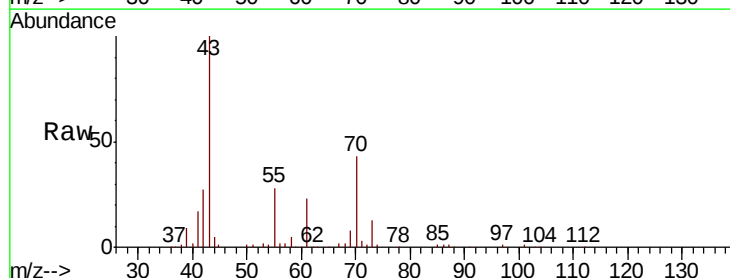
Ion Ratio Lower Upper

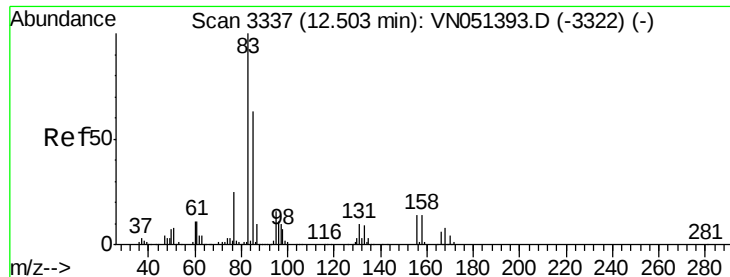
43 100

70 43.8 35.0 52.4

55 28.0 21.4 32.2

61 22.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.436 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

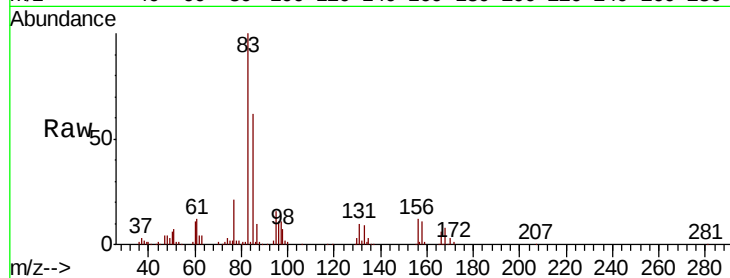
Tot Ion: 83 Resp: 127773

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	63.6	31.6	95.0

83 100

131 10.4 5.3 15.9

85 63.6 31.6 95.0

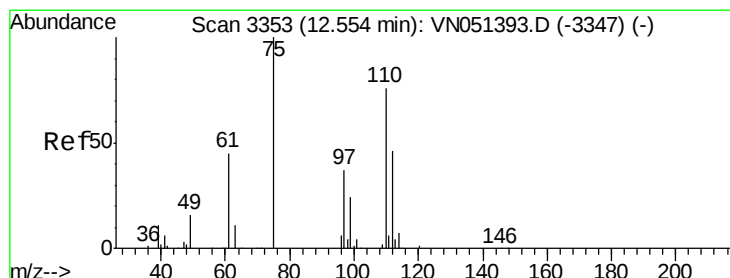
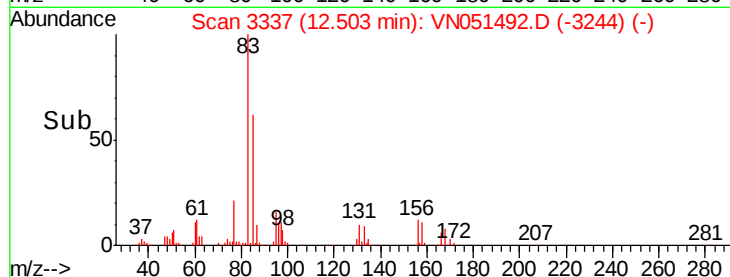
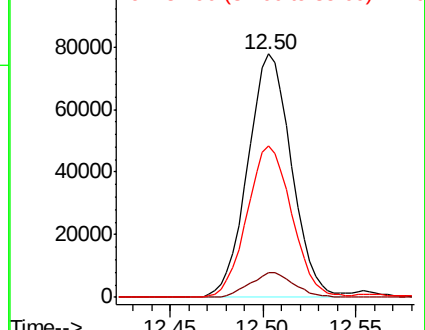


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 29.455 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051492.D

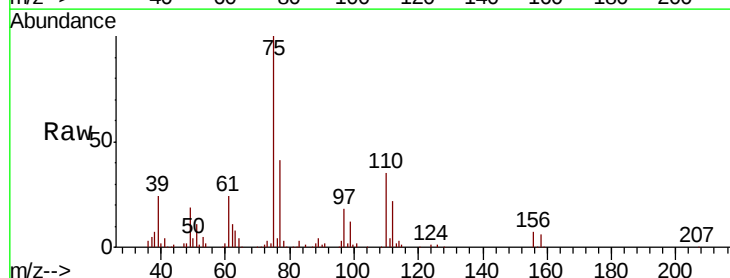
Acq: 25 Sep 2018 19:08

Tgt Ion: 75 Resp: 148135

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

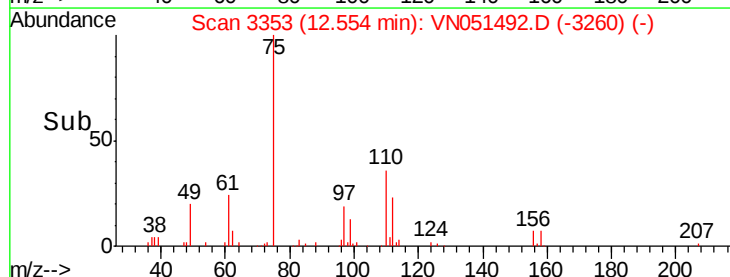
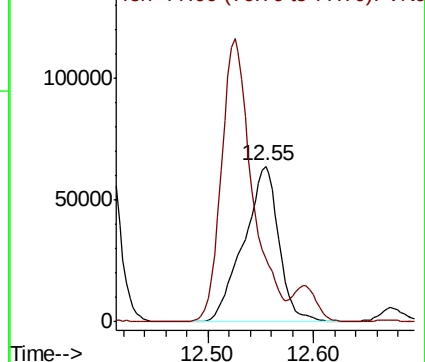
77 0.0 0.0 0.0

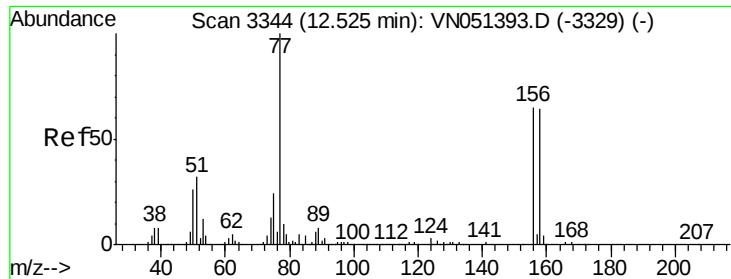


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.963 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0926WBSD01

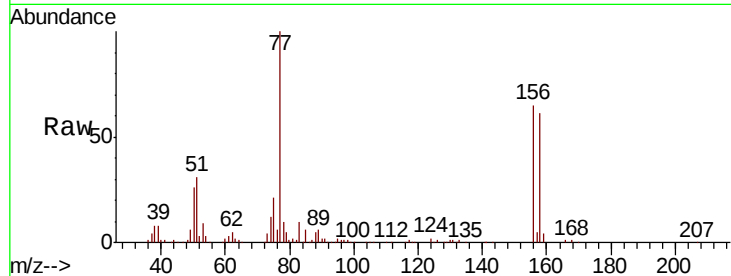
Tot Ion:156 Resp: 129177

Ion Ratio Lower Upper

156 100

77 182.5 89.5 268.4

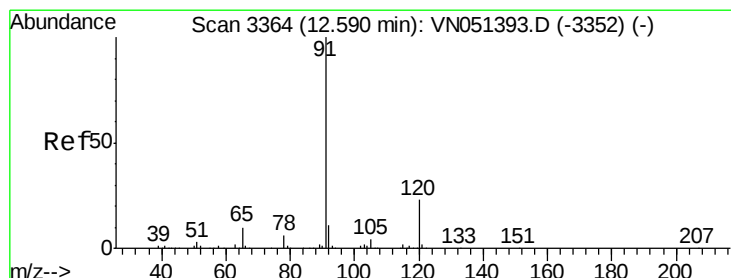
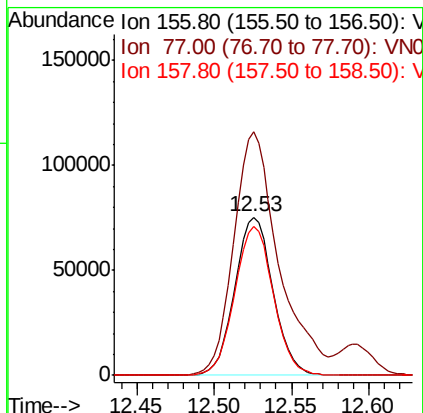
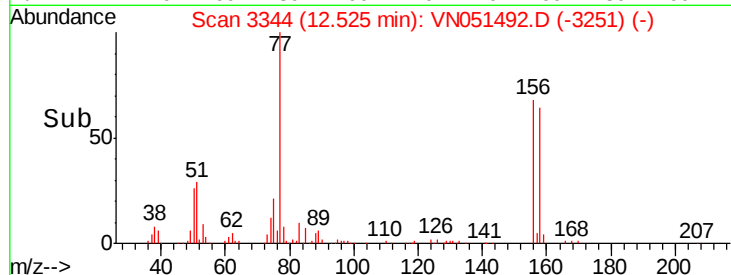
158 95.3 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.662 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051492.D

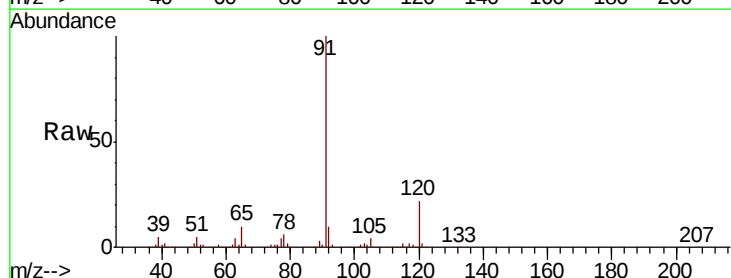
Acq: 25 Sep 2018 19:08

Tgt Ion: 91 Resp: 566426

Ion Ratio Lower Upper

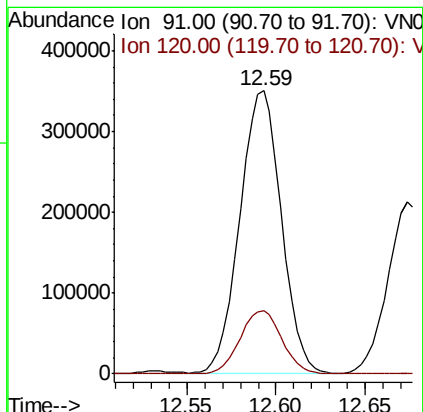
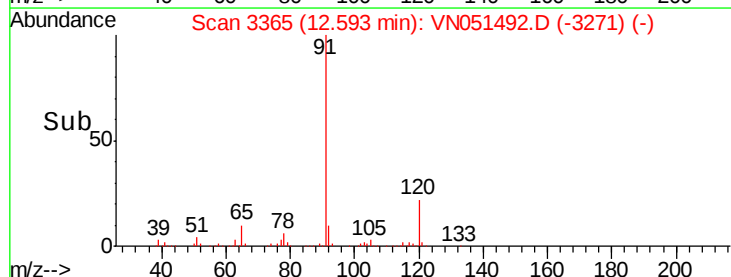
91 100

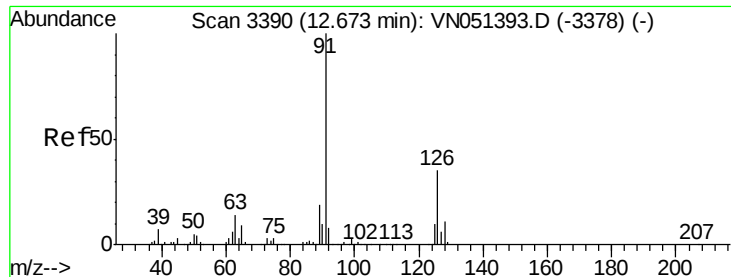
120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

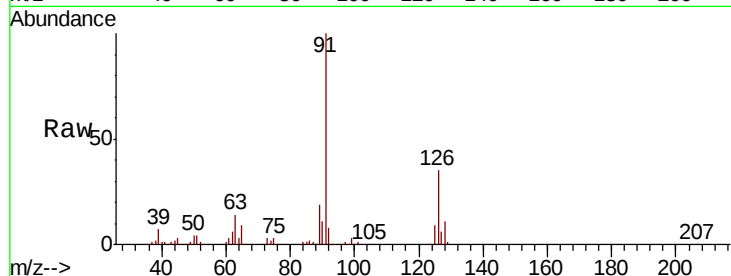
VN0926WBSD01

Tot Ion: 91 Resp: 348330

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051393.D (-3378) (-)

300000

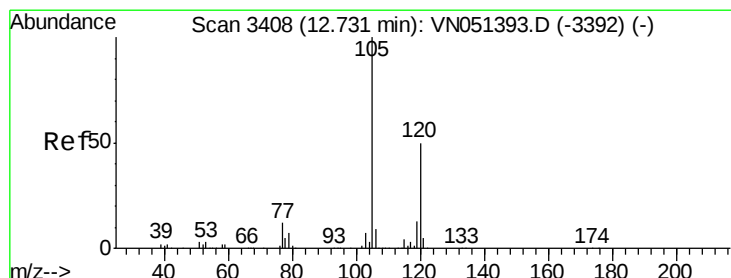
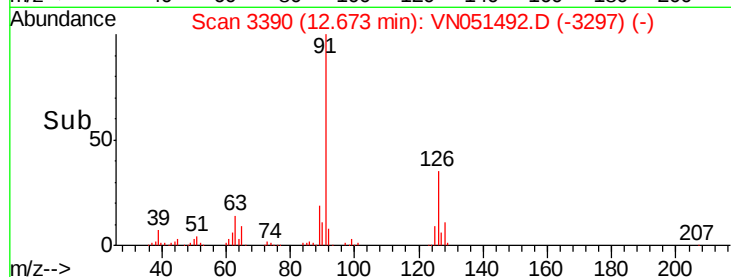
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.200 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051492.D

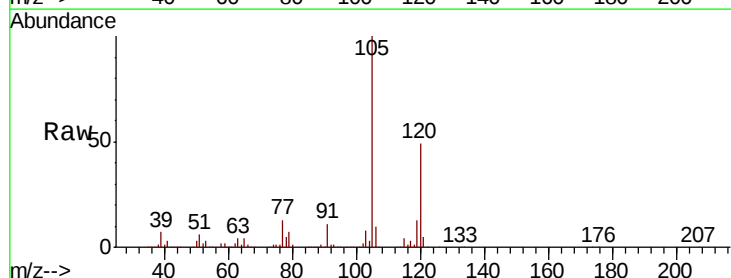
Acq: 25 Sep 2018 19:08

Tgt Ion:105 Resp: 421036

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN051393.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051393.D (-3392) (-)

300000

250000

200000

150000

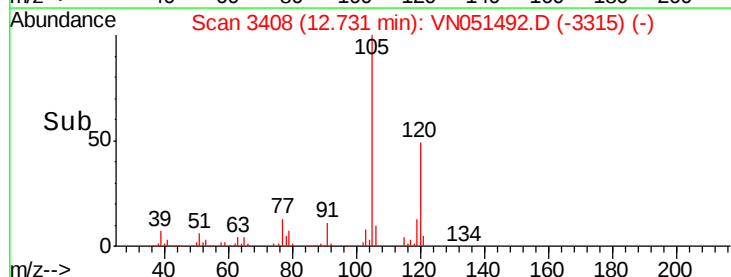
100000

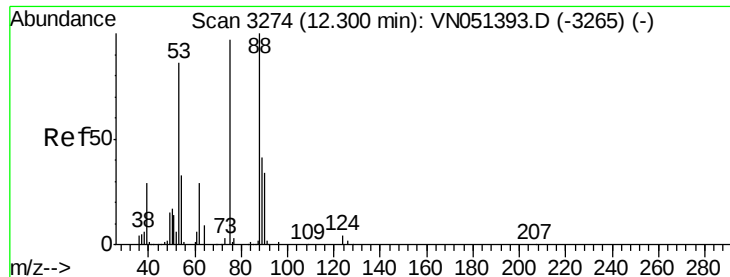
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.393 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

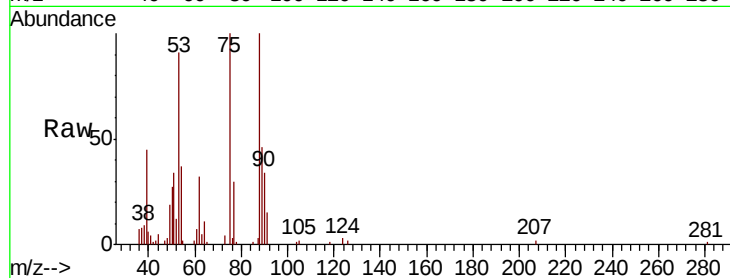
Tot Ion: 75 Resp: 30083

Ion Ratio Lower Upper

75 100

53 93.7 73.9 110.9

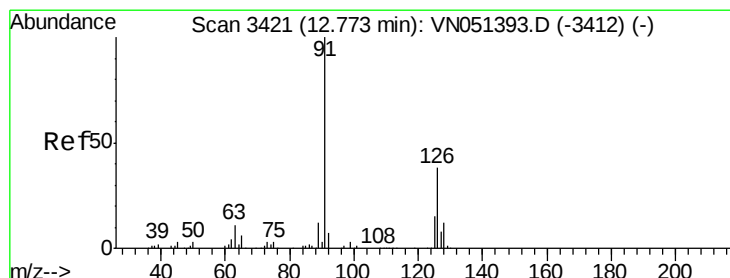
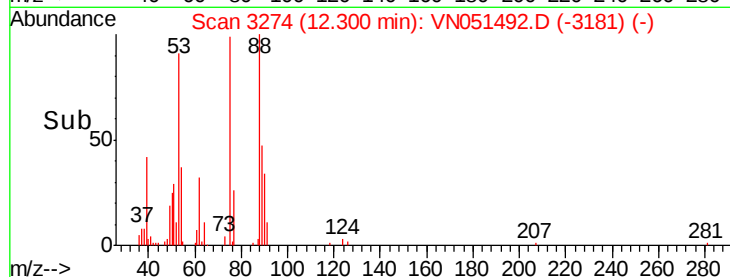
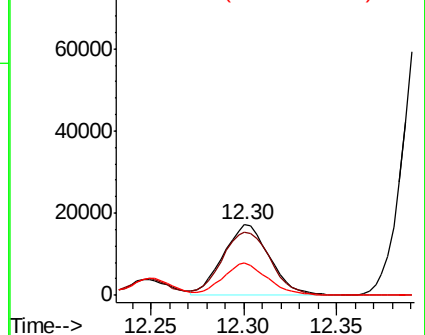
89 43.6 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.624 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051492.D

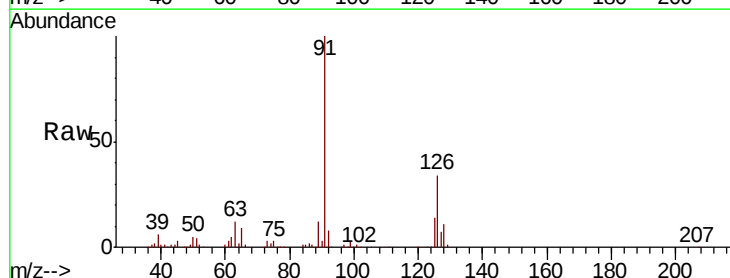
Acq: 25 Sep 2018 19:08

Tgt Ion: 91 Resp: 337750

Ion Ratio Lower Upper

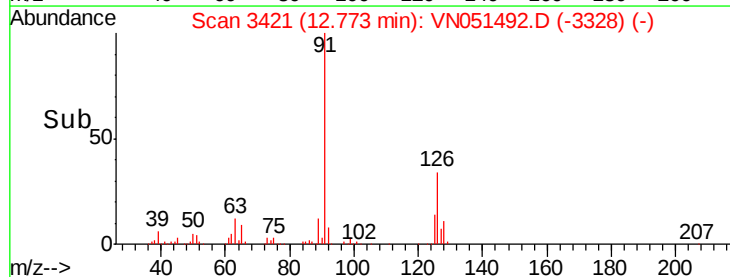
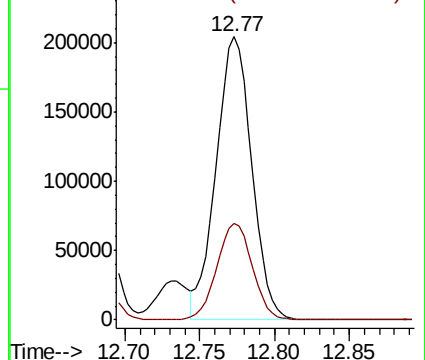
91 100

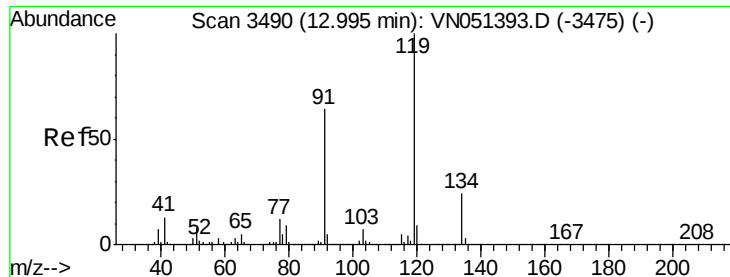
126 34.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

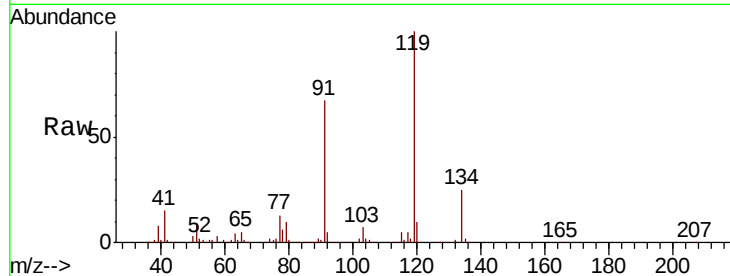




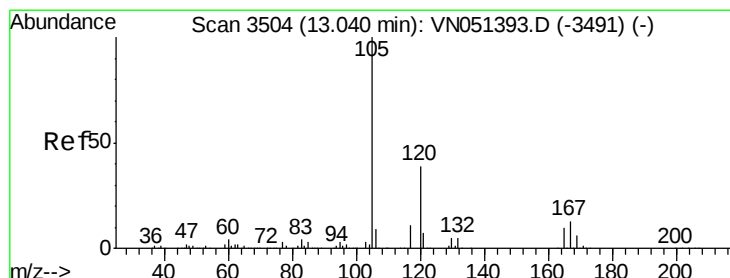
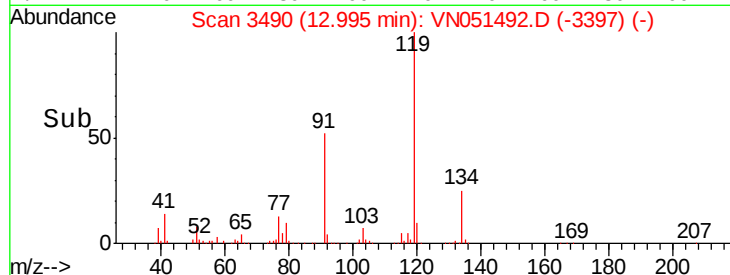
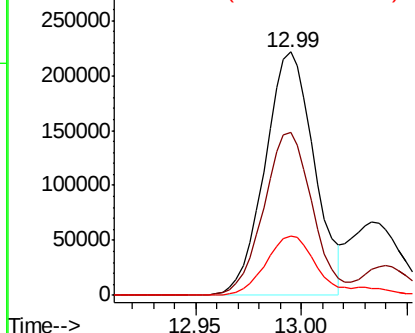
#83
 tert-Butylbenzene
 Concen: 19.395 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	31.7	95.1
134	24.8	12.3	36.9

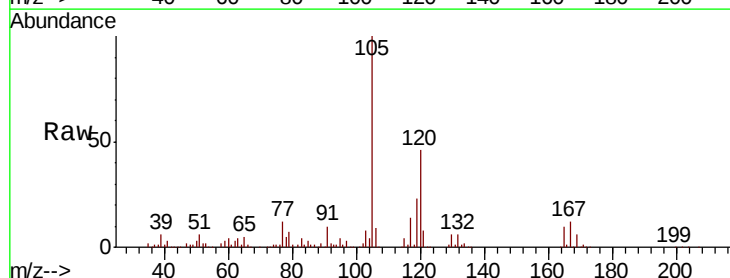


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

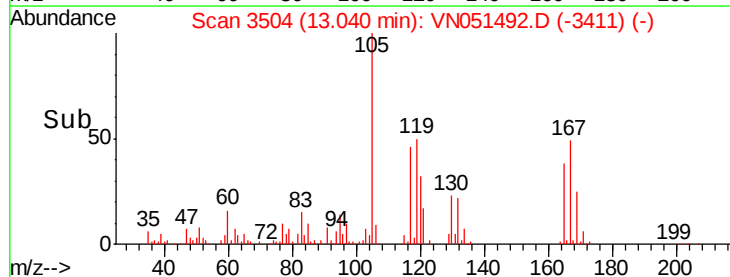
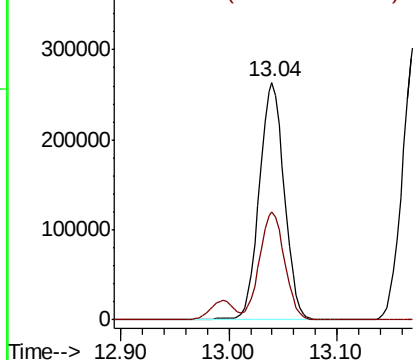


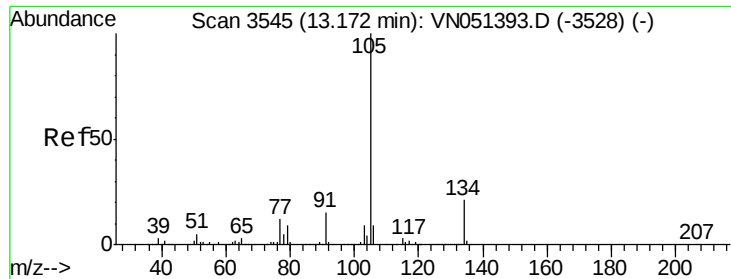
#84
 1,2,4-Trimethylbenzene
 Concen: 20.125 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7



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

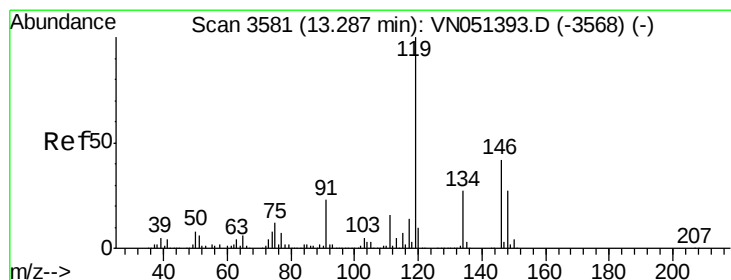
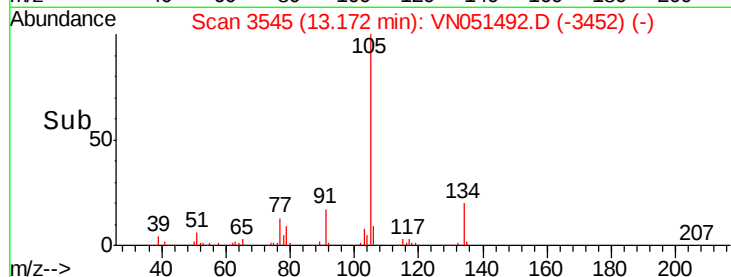
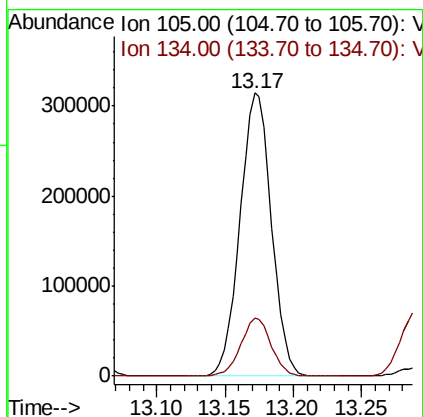
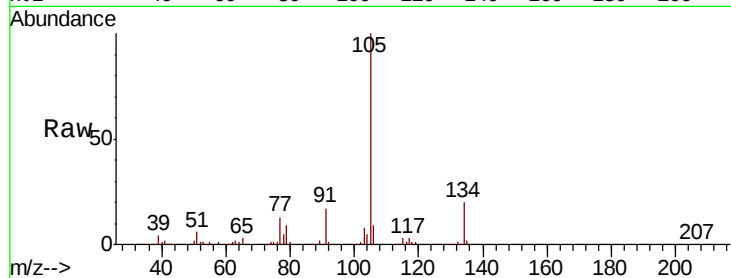




#85
 sec-Butylbenzene
 Concen: 19.974 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

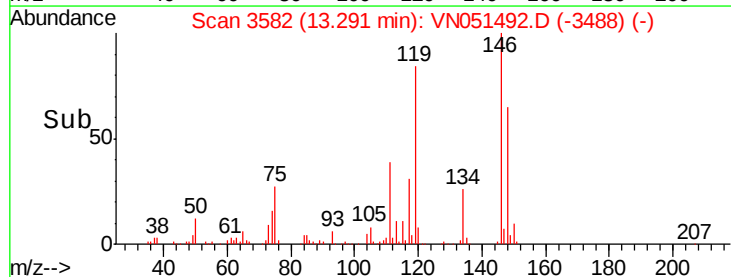
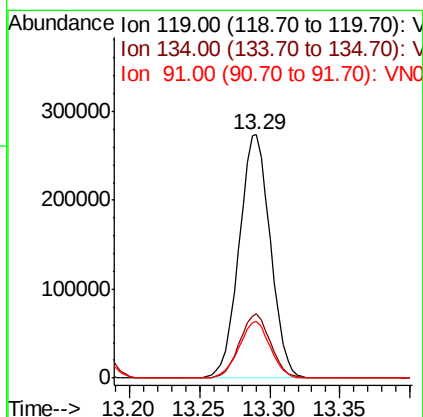
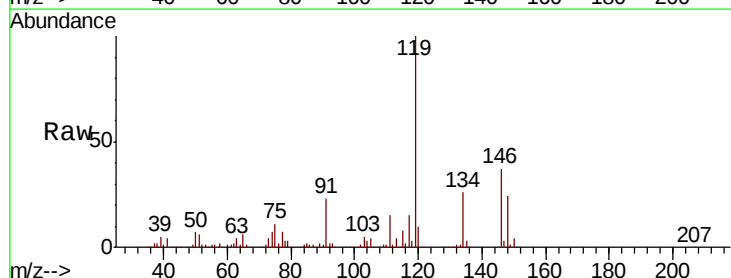
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

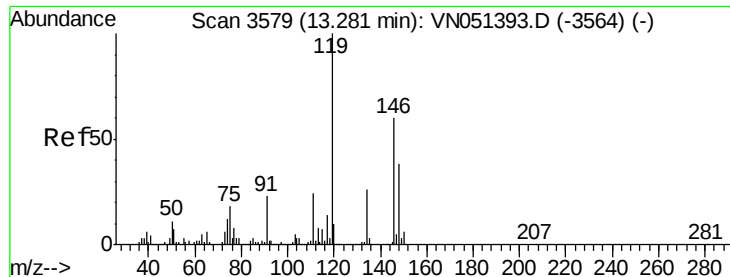
Tot Ion:105 Resp: 501310
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.494 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion:119 Resp: 423339
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.223 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

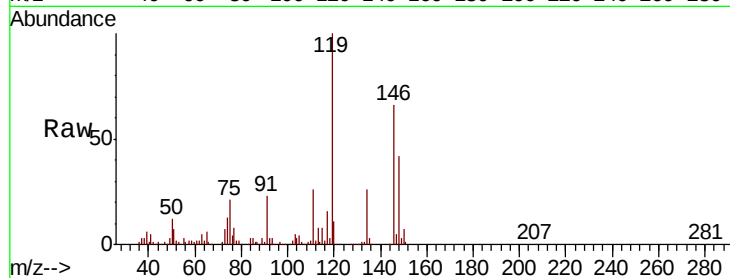
Tot Ion:146 Resp: 215259

Ion Ratio Lower Upper

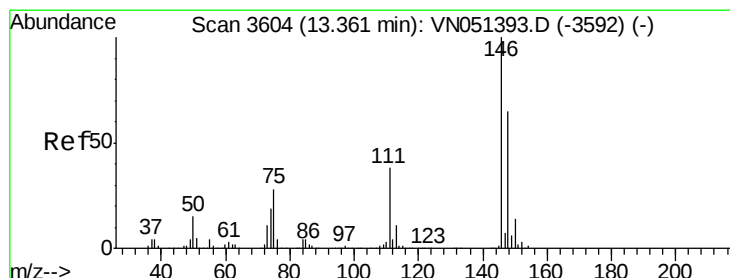
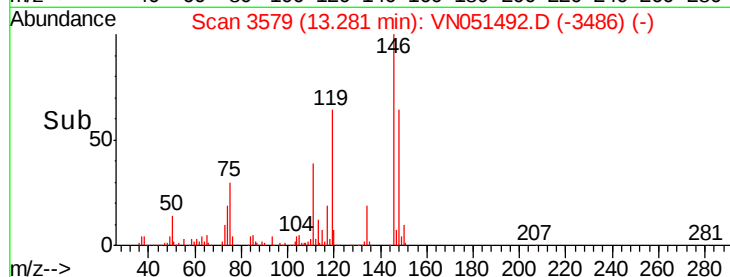
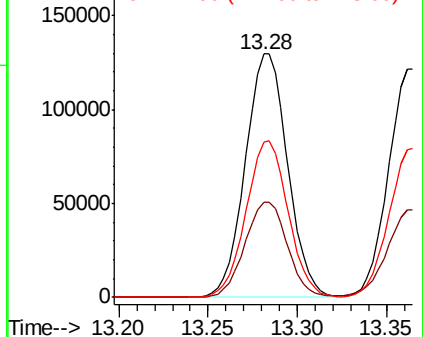
146 100

111 39.1 19.7 59.1

148 63.9 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 19.035 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

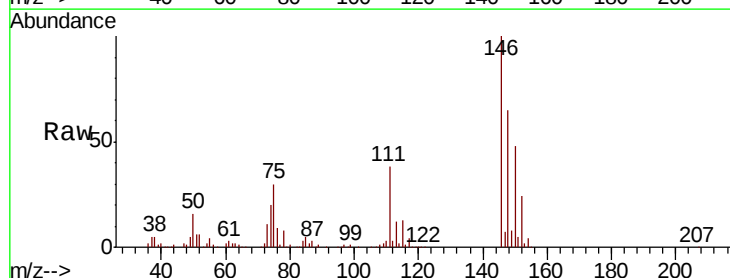
Tgt Ion:146 Resp: 205094

Ion Ratio Lower Upper

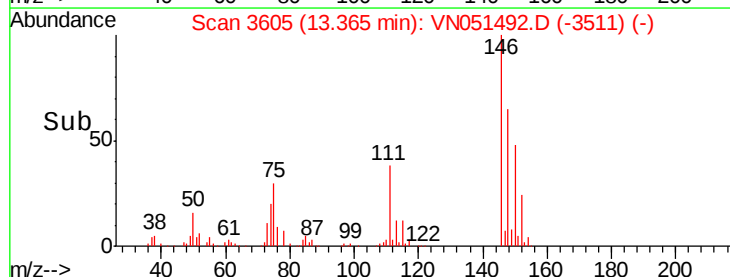
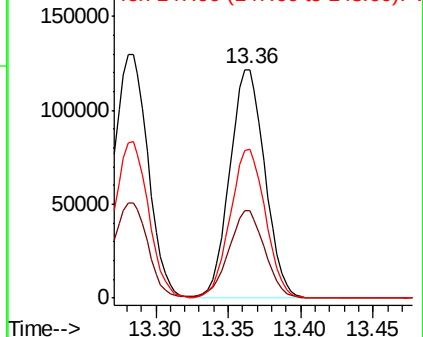
146 100

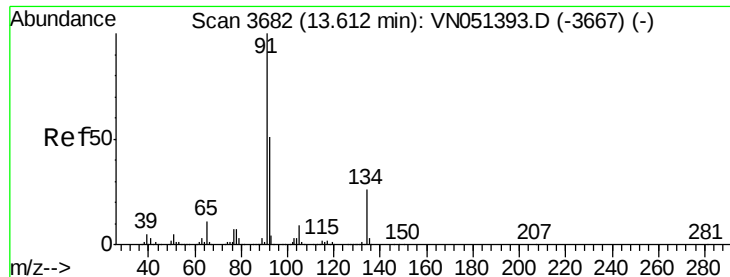
111 39.2 19.1 57.1

148 65.3 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: 18.073 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0926WBSD01

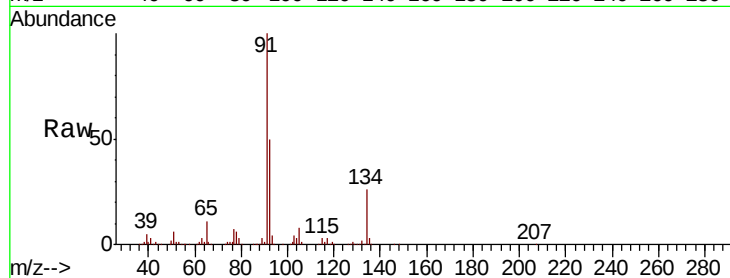
Tot Ion: 91 Resp: 322754

Ion Ratio Lower Upper

91 100

92 49.9 25.5 76.5

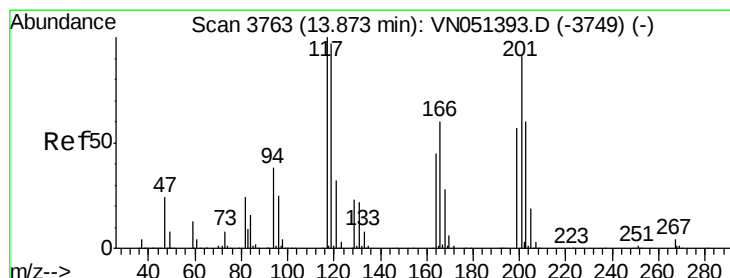
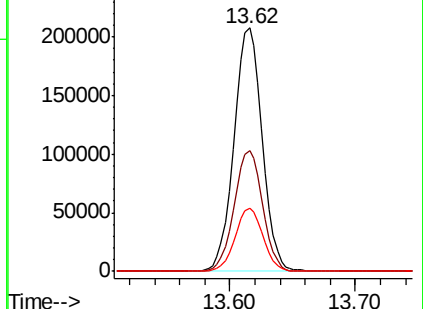
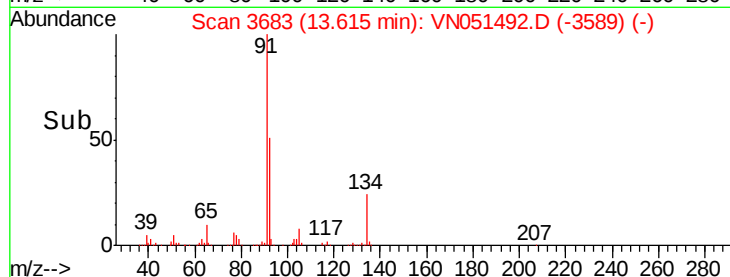
134 25.5 13.3 39.8



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

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

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



#90

Hexachloroethane

Concen: 19.224 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051492.D

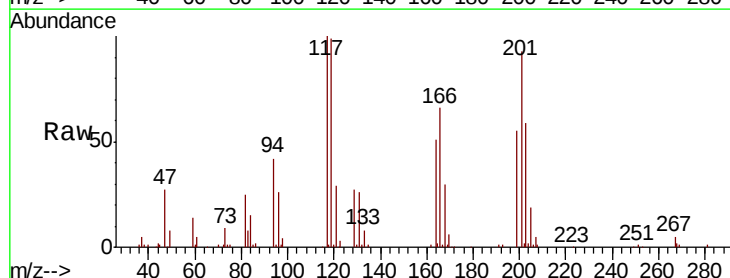
Acq: 25 Sep 2018 19:08

Tgt Ion: 117 Resp: 83183

Ion Ratio Lower Upper

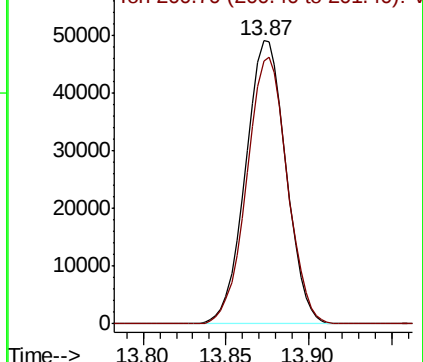
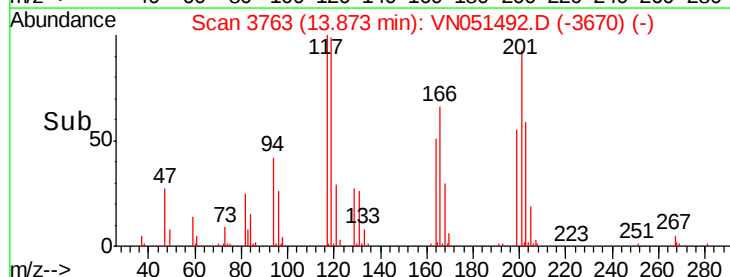
117 100

201 94.0 45.5 136.4



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

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





#91

1,2-Dichlorobenzene

Concen: 19.739 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

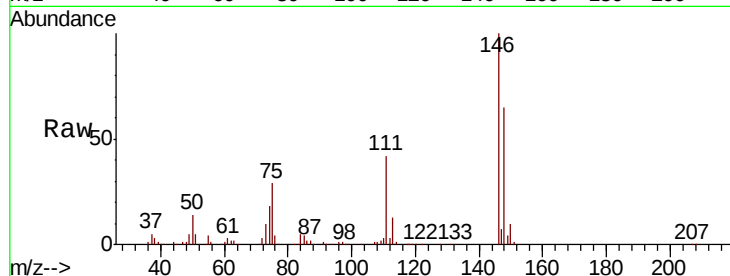
Tot Ion:146 Resp: 214464

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

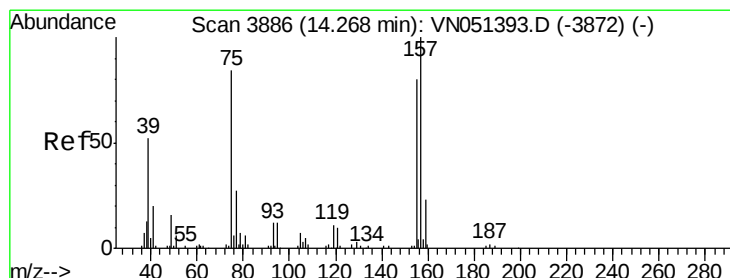
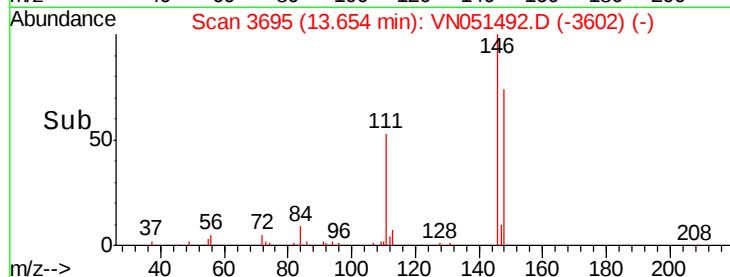
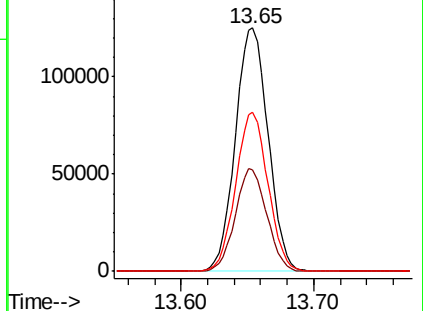
148 64.3 32.1 96.5



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: 20.916 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

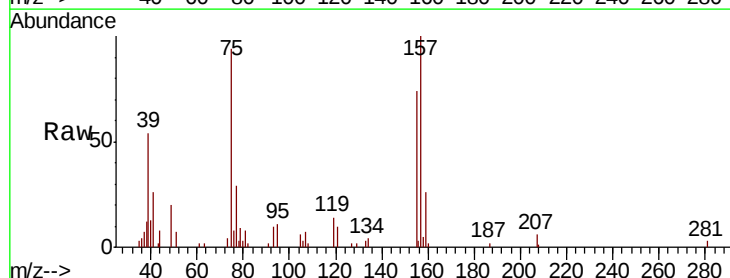
Tgt Ion: 75 Resp: 17792

Ion Ratio Lower Upper

75 100

155 85.9 46.9 140.6

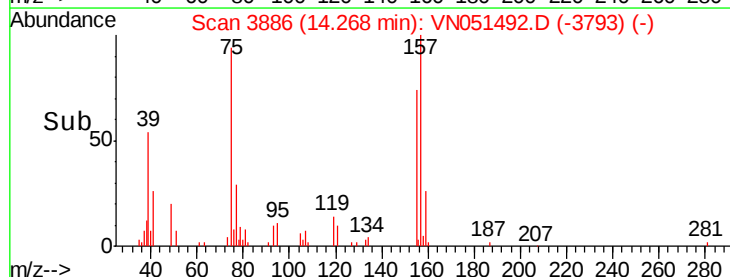
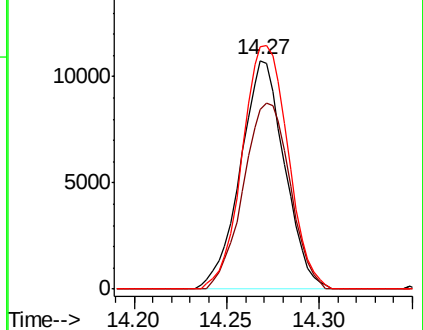
157 110.4 58.4 175.1

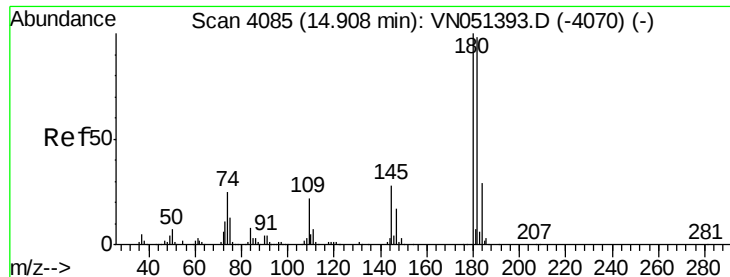


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

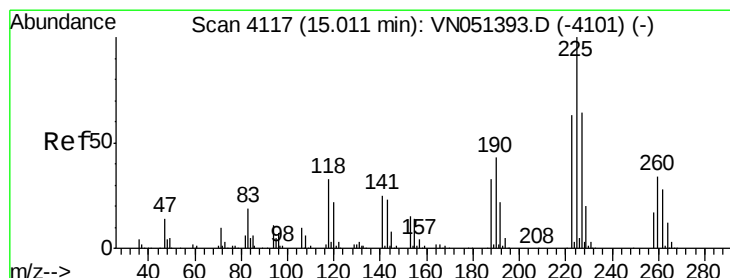
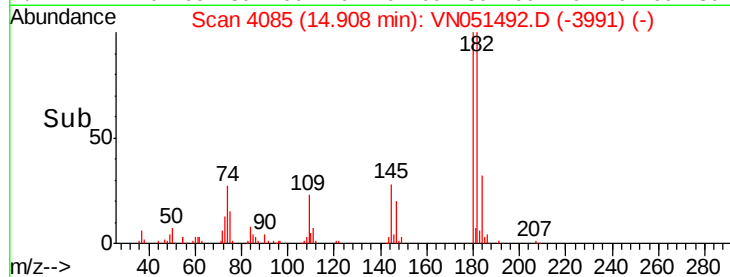
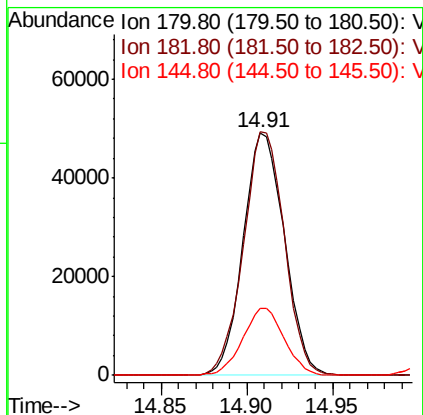
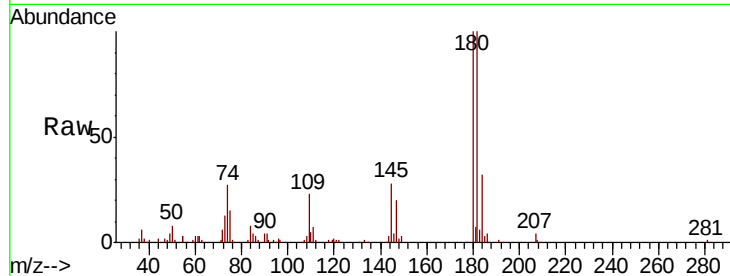




#93
 1,2,4-Trichlorobenzene
 Concen: 18.241 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

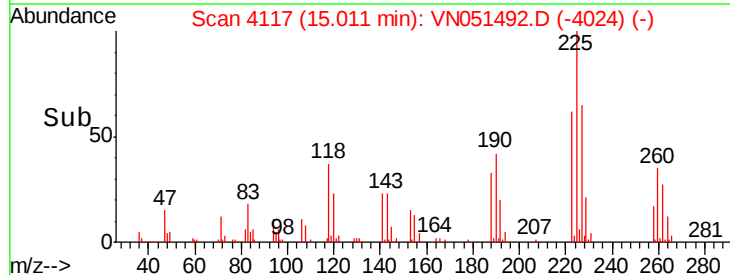
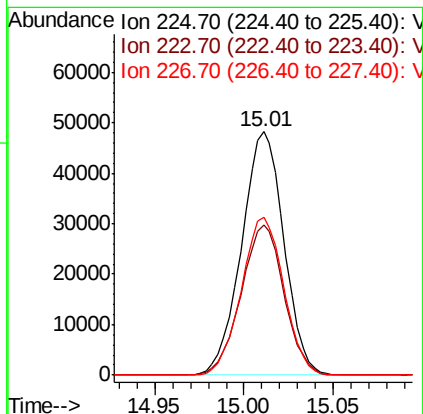
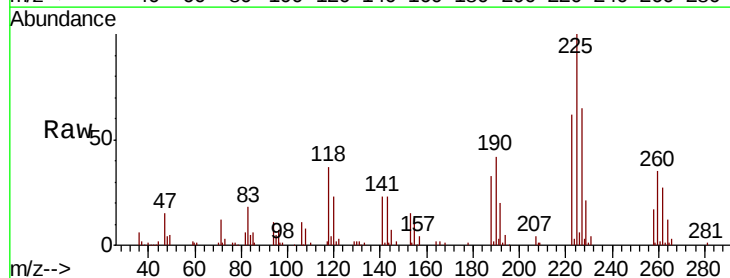
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

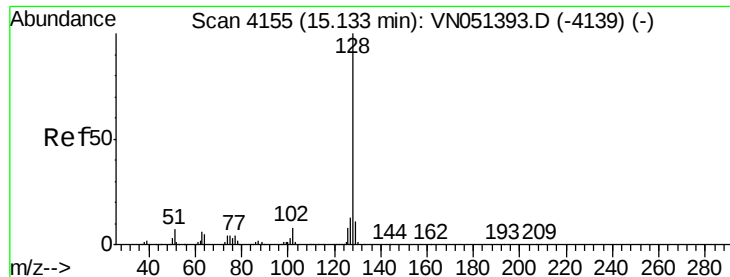
Tot Ion:180 Resp: 81571
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.5 145.6
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 19.381 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion:225 Resp: 79671
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.9
 227 65.1 32.5 97.5





#95

Naphthalene

Concen: 18.428 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

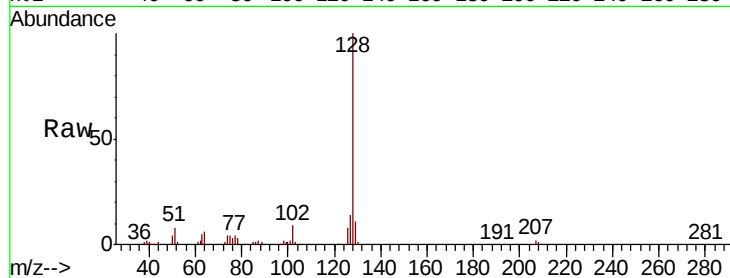
Tot Ion:128 Resp: 139389

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

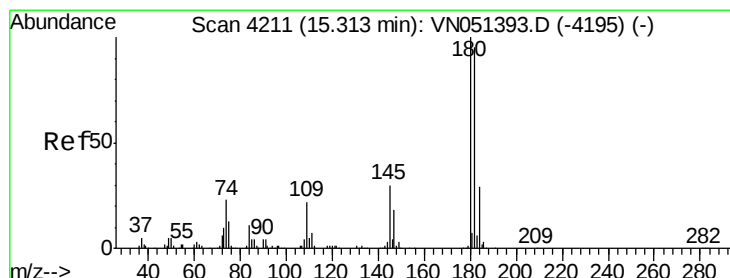
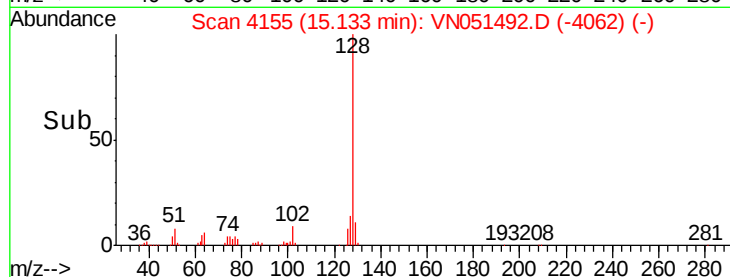
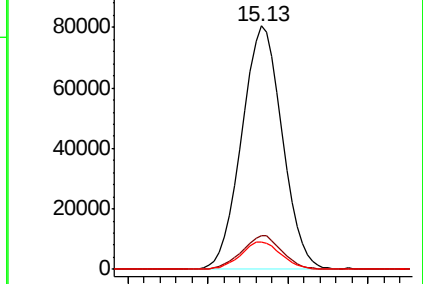
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.477 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

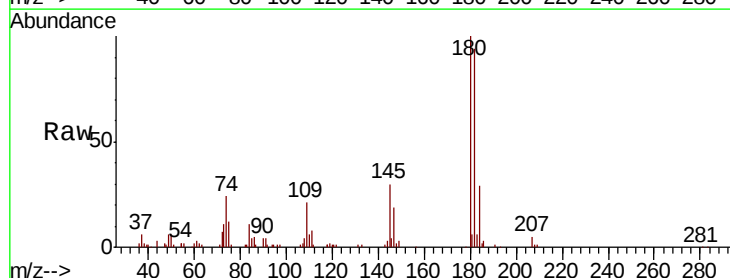
Tgt Ion:180 Resp: 85913

Ion Ratio Lower Upper

180 100

182 97.7 47.2 141.6

145 29.8 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

