

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051393.D
 Acq On : 22 Sep 2018 13:07
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 24 05:37:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 05:35:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	811103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	731056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	384057	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	341533	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	7.59	113	307734	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.09	98	1162636	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	376438	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	250335	45.645	ug/l	100
3) Chloromethane	2.06	50	398308	45.622	ug/l	100
4) Vinyl Chloride	2.19	62	440857	45.751	ug/l	100
5) Bromomethane	2.56	94	276691	47.918	ug/l	100
6) Chloroethane	2.70	64	286738	47.755	ug/l	100
7) Trichlorofluoromethane	3.01	101	615101	48.734	ug/l	100
8) Diethyl Ether	3.41	74	221411	56.346	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	390879	54.874	ug/l	100
10) Methyl Iodide	3.95	142	527636	55.728	ug/l	100
11) Tert butyl alcohol	4.79	59	111860	269.491	ug/l	100
12) 1,1-Dichloroethene	3.74	96	349116	53.377	ug/l	100
13) Acrolein	3.61	56	119352	289.202	ug/l	100
14) Allyl chloride	4.32	41	630191	57.428	ug/l	100
15) Acrylonitrile	4.99	53	638871	282.585	ug/l	100
16) Acetone	3.82	43	481408	298.879	ug/l	100
17) Carbon Disulfide	4.05	76	1067756	55.567	ug/l	100
18) Methyl Acetate	4.33	43	319521	56.972	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	894023	53.007	ug/l	100
20) Methylene Chloride	4.55	84	412667	56.631	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	355402	53.117	ug/l	100
22) Diisopropyl ether	5.95	45	1030022	48.559	ug/l	100
23) Vinyl Acetate	5.90	43	3374747	242.334	ug/l	100
24) 1,1-Dichloroethane	5.85	63	599391	47.359	ug/l	100
25) 2-Butanone	6.84	43	585916	232.461	ug/l	100
26) 2,2-Dichloropropane	6.83	77	461819	46.746	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	352781	48.053	ug/l	100
28) Bromochloromethane	7.20	49	282252	48.293	ug/l	100
29) Tetrahydrofuran	7.21	42	387918	242.864	ug/l	100
30) Chloroform	7.37	83	600831	47.911	ug/l	100
31) Cyclohexane	7.66	56	543121	46.839	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	511620	47.721	ug/l	100
36) 1,1-Dichloropropene	7.79	75	451383	48.057	ug/l	100
37) Ethyl Acetate	6.93	43	264607	48.997	ug/l	100
38) Carbon Tetrachloride	7.78	117	480661	48.925	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	540915	49.263	ug/l	100
40) Benzene	8.04	78	1356320	49.179	ug/l	100
41) Methacrylonitrile	7.17	41	139287	46.619	ug/l	100
42) 1,2-Dichloroethane	8.12	62	423155	47.918	ug/l	100
43) Isopropyl Acetate	8.17	43	465946	47.713	ug/l	100
44) Trichloroethene	8.84	130	354683	48.419	ug/l	100
45) 1,2-Dichloropropane	9.12	63	367968	49.083	ug/l	100
46) Dibromomethane	9.21	93	205798	48.584	ug/l	100
47) Bromodichloromethane	9.40	83	458429	48.905	ug/l	100
48) Methyl methacrylate	9.20	41	235759	48.423	ug/l	100
49) 1,4-Dioxane	9.20	88	58393	978.612	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1296958	241.489	ug/l	100
52) Toluene	10.16	92	826383	48.215	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	454345	48.009	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	534801	48.729	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	296825	49.003	ug/l	100
56) Ethyl methacrylate	10.43	69	367166	49.578	ug/l	100
57) 1,3-Dichloropropane	10.71	76	507300	48.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	920112	231.240	ug/l	100
59) 2-Hexanone	10.75	43	845462	242.837	ug/l	100
60) Dibromochloromethane	10.90	129	348902	48.819	ug/l	100
61) 1,2-Dibromoethane	11.00	107	280263	47.662	ug/l	100
64) Tetrachloroethene	10.63	164	323096	48.698	ug/l	100
65) Chlorobenzene	11.43	112	898868	47.923	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	343254	48.034	ug/l	100
67) Ethyl Benzene	11.51	91	1559168	49.325	ug/l	100
68) m/p-Xylenes	11.62	106	1222349	99.972	ug/l	100
69) o-Xylene	11.95	106	582802	49.582	ug/l	100
70) Styrene	11.96	104	933077	50.096	ug/l	100
71) Bromoform	12.13	173	233325	48.119	ug/l	100
73) Isopropylbenzene	12.25	105	1561793	48.197	ug/l	100
74) N-amyl acetate	12.07	43	387346	47.642	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	352360	46.631	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	435439	70.286	ug/l #	100
77) Bromobenzene	12.53	156	383801	46.787	ug/l	100
78) n-propylbenzene	12.59	91	1778486	48.698	ug/l	100
79) 2-Chlorotoluene	12.67	91	1036655	47.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1293932	48.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98366	47.442	ug/l	100
82) 4-Chlorotoluene	12.77	91	1040127	47.671	ug/l	100
83) tert-Butylbenzene	12.99	119	1130636	48.075	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1309431	49.180	ug/l	100
85) sec-Butylbenzene	13.17	105	1535984	48.276	ug/l	100
86) p-Isopropyltoluene	13.29	119	1347941	48.962	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	673944	47.475	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	658987	48.246	ug/l	100
89) n-Butylbenzene	13.61	91	1117162	49.347	ug/l	100
90) Hexachloroethane	13.87	117	255134	46.512	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	657437	47.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50589	46.912	ug/l	100

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
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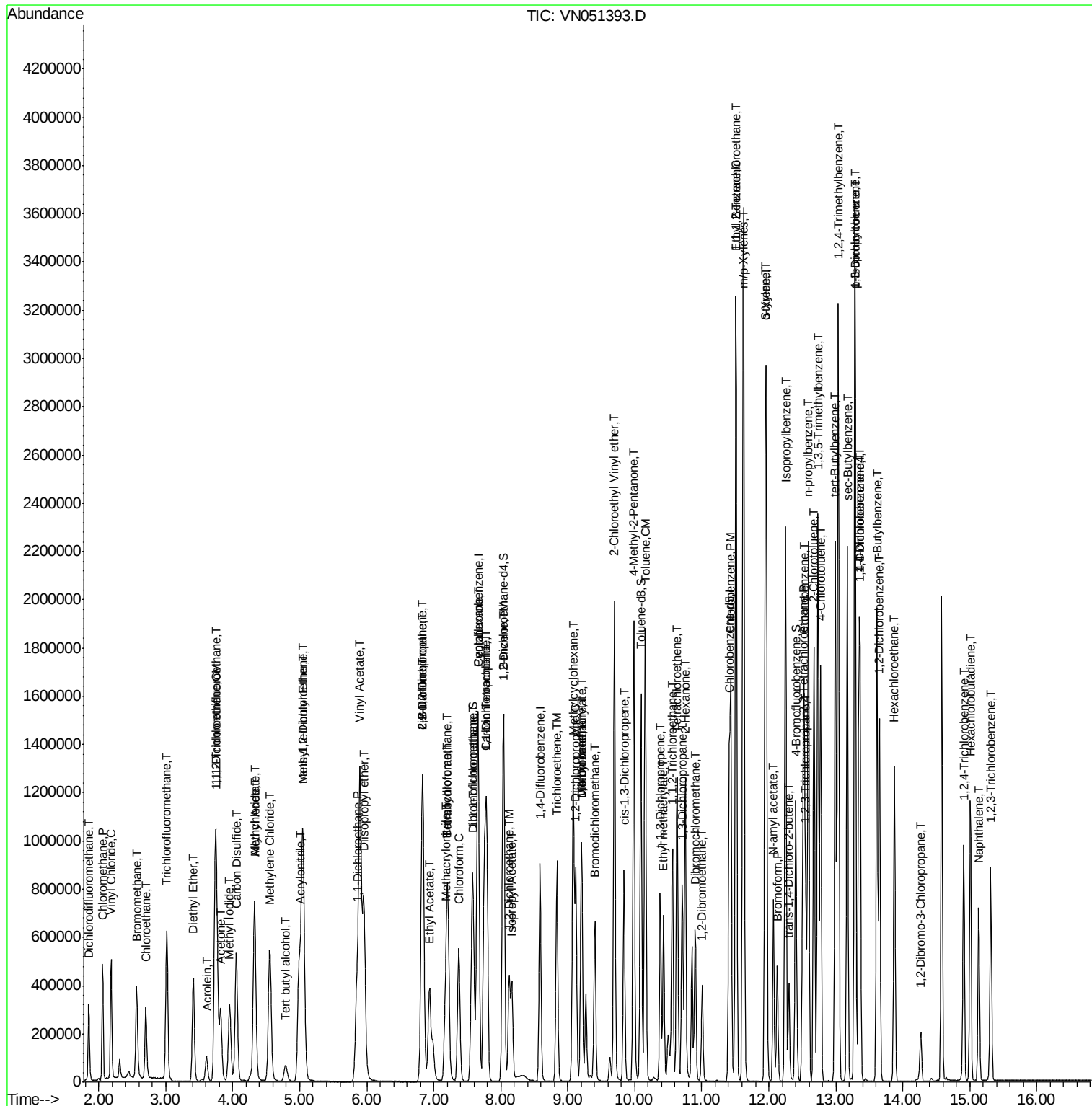
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334498	45.639	ug/l	100
94) Hexachlorobutadiene	15.01	225	246179	47.239	ug/l	100
95) Naphthalene	15.13	128	613253	44.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	329326	49.823	ug/l	100

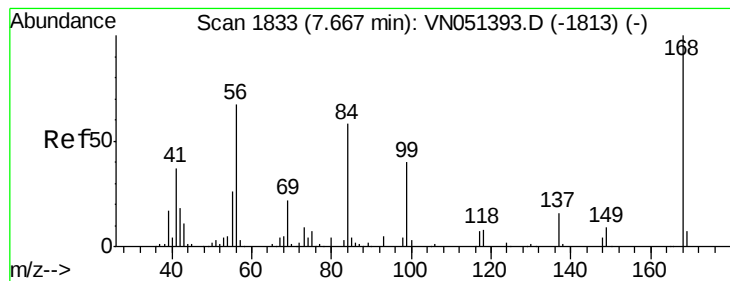
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

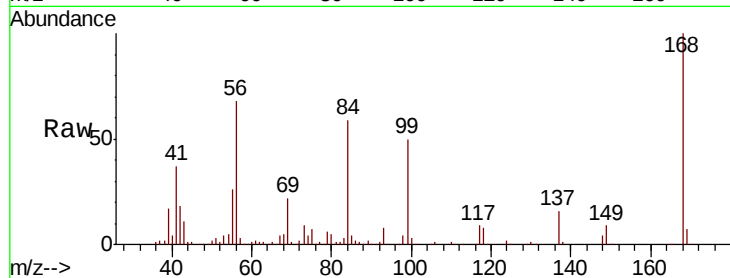
VSTDICCC050

Tgt Ion:168 Resp: 587855

Ion Ratio Lower Upper

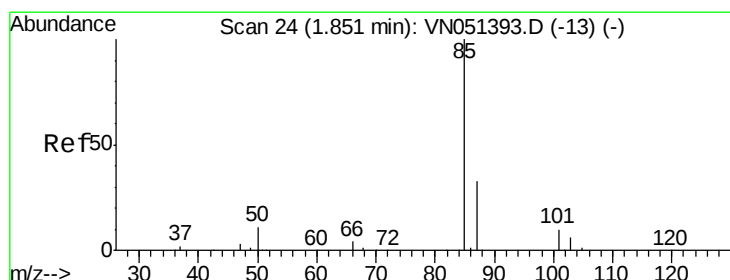
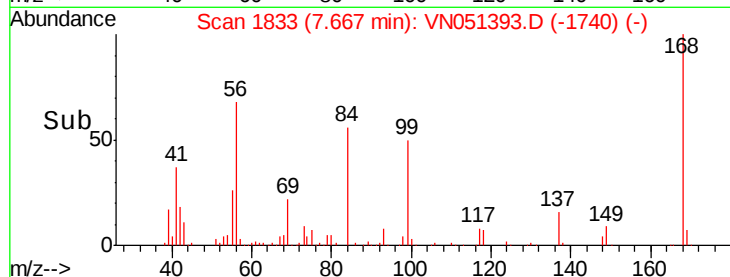
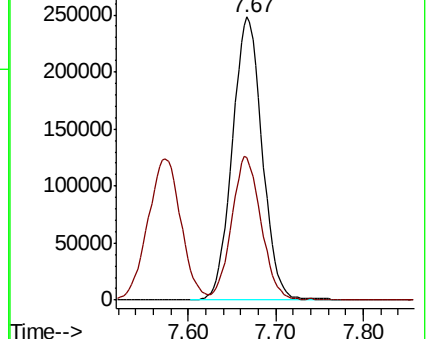
168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 45.645 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051393.D

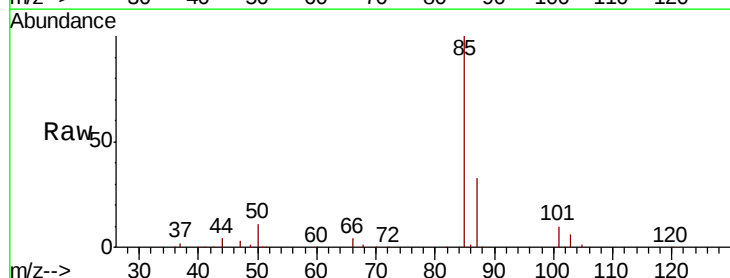
Acq: 22 Sep 2018 13:07

Tgt Ion: 85 Resp: 250335

Ion Ratio Lower Upper

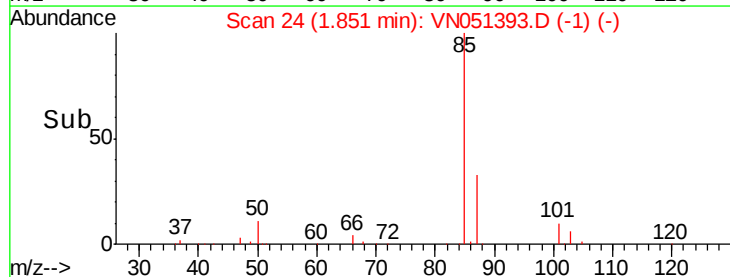
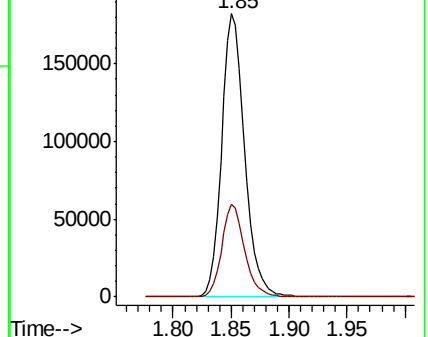
85 100

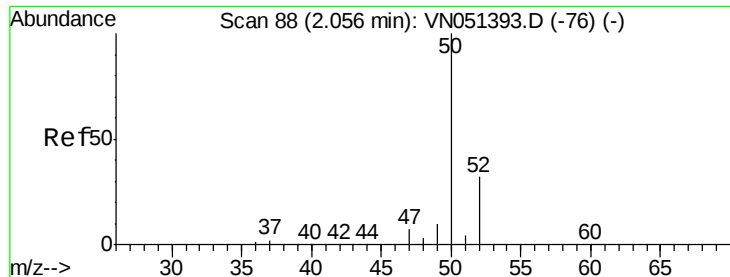
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

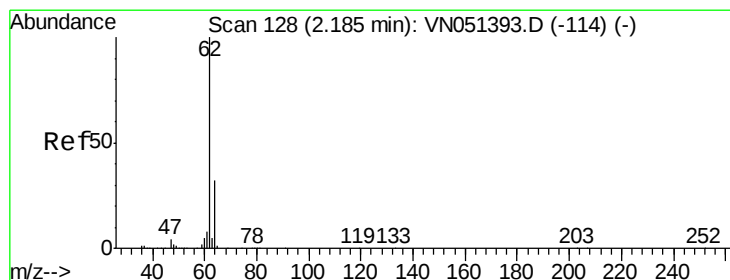
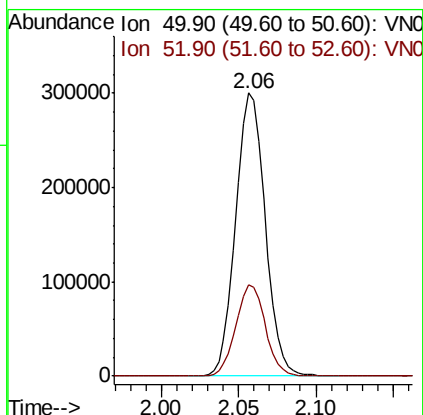
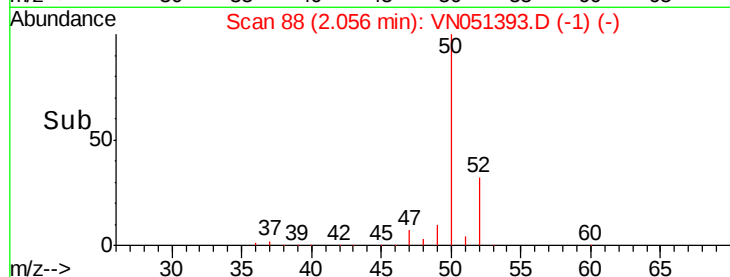
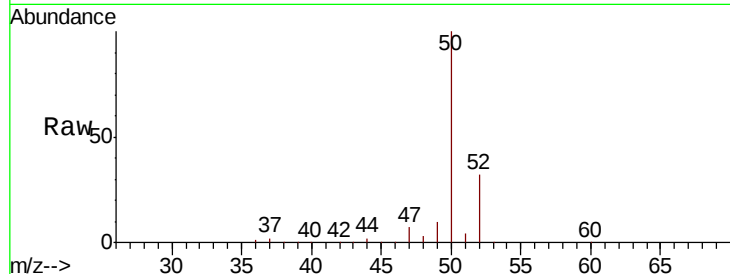




#3
Chloromethane
Concen: 45.622 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

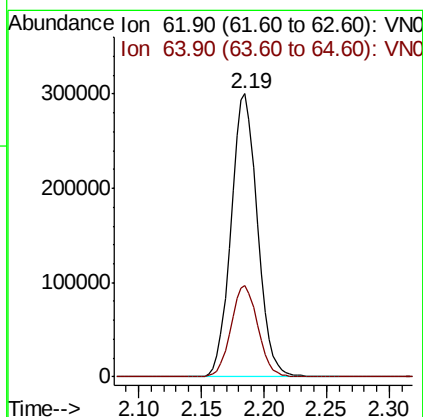
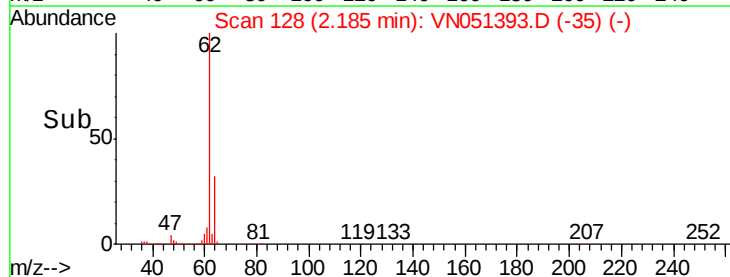
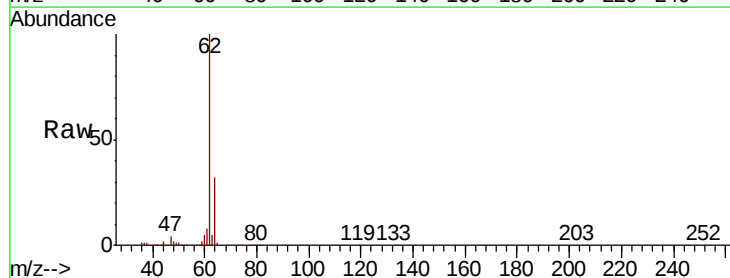
Instrument :
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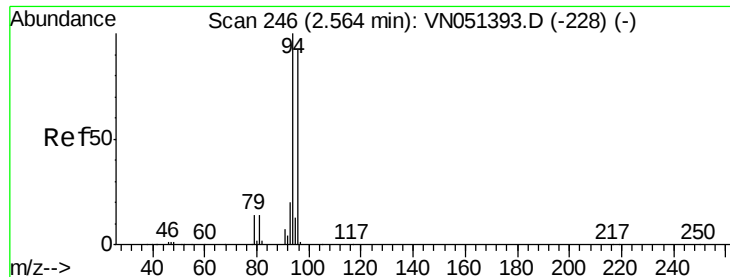
Tgt Ion: 50 Resp: 398308
Ion Ratio Lower Upper
50 100
52 32.1 25.7 38.5



#4
Vinyl Chloride
Concen: 45.751 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 62 Resp: 440857
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.8





#5

Bromomethane

Concen: 47.918 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

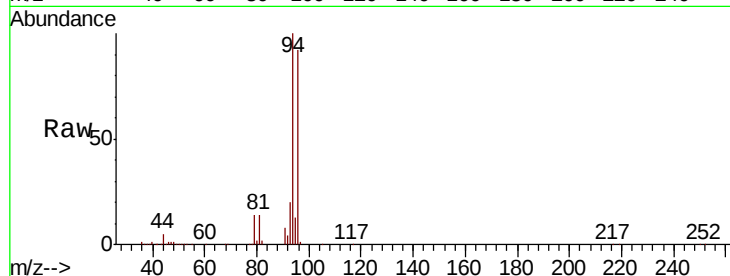
VSTDICCC050

Tgt Ion: 94 Resp: 276691

Ion Ratio Lower Upper

94 100

96 92.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

100000

50000

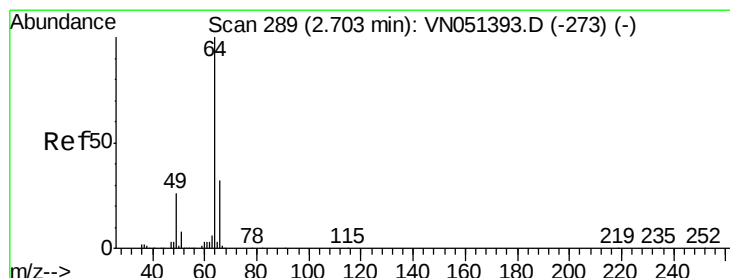
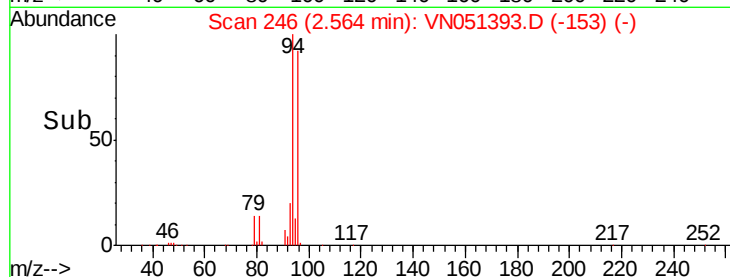
0

2.56

2.50

2.60

Time-->



#6

Chloroethane

Concen: 47.755 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051393.D

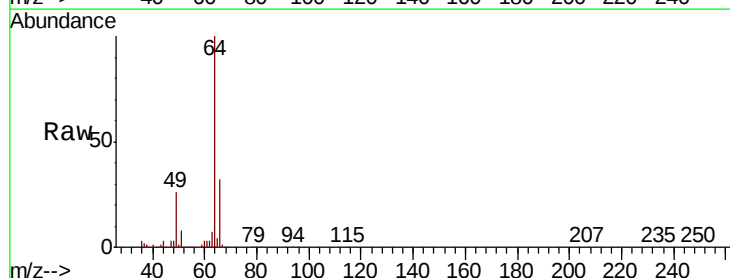
Acq: 22 Sep 2018 13:07

Tgt Ion: 64 Resp: 286738

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

100000

50000

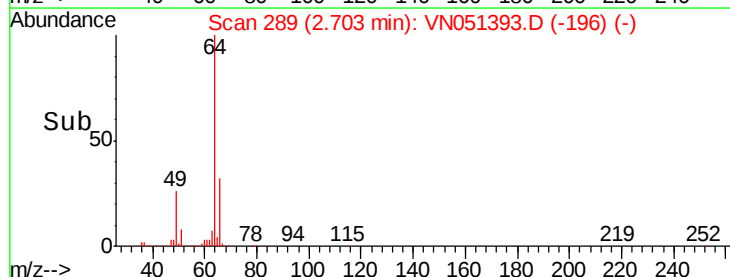
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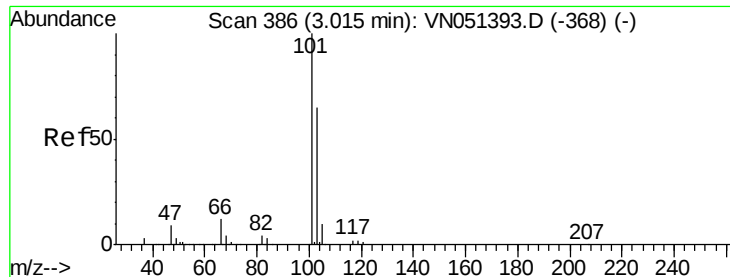
2.70

2.60

2.80

Time-->



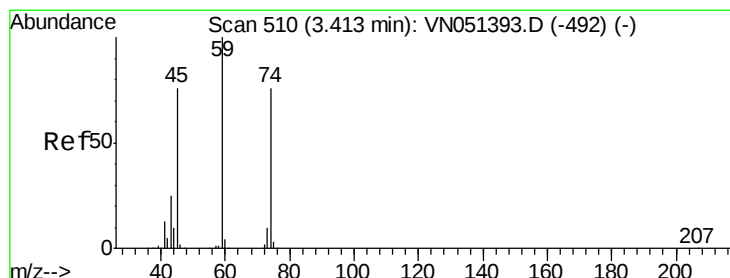
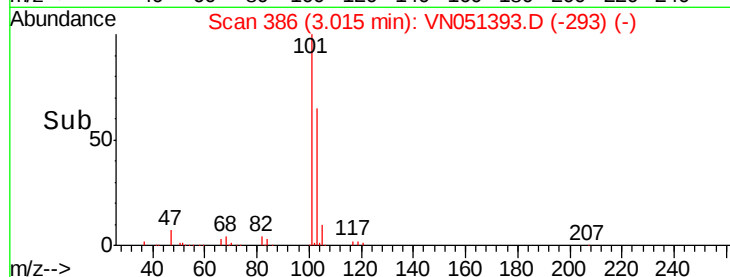
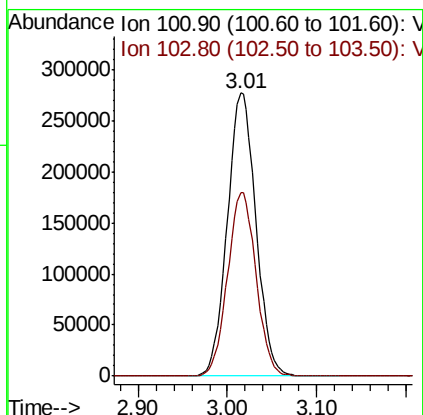
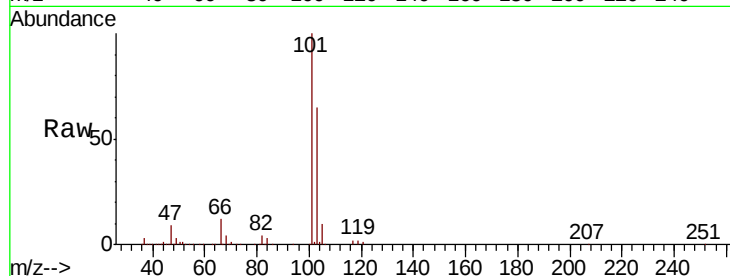


#7

Trichlorofluoromethane
 Concen: 48.734 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
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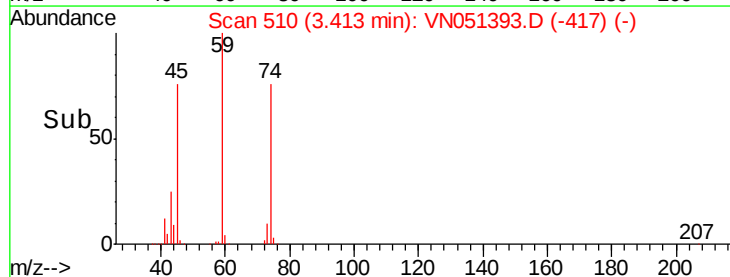
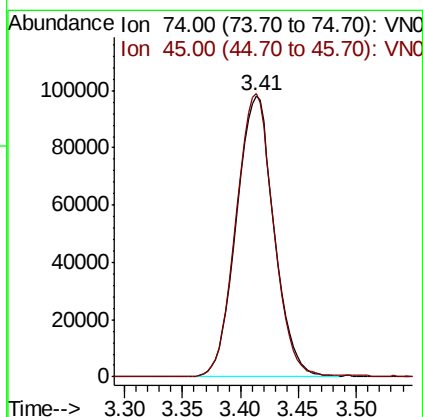
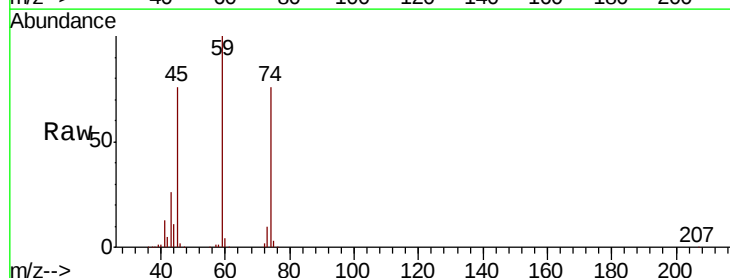
Tgt Ion: 101 Resp: 615101
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8

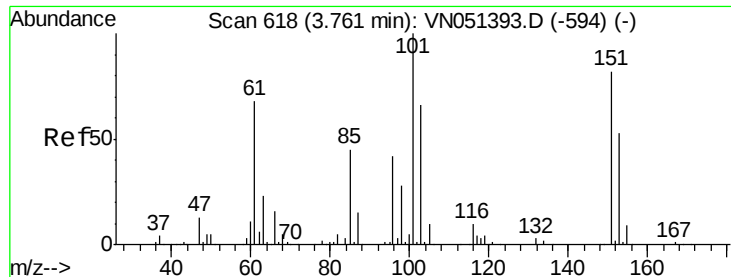


#8

Diethyl Ether
 Concen: 56.346 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 74 Resp: 221411
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.874 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

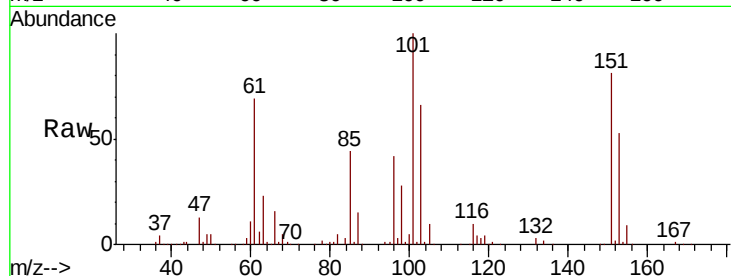
Tgt Ion:101 Resp: 390879

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

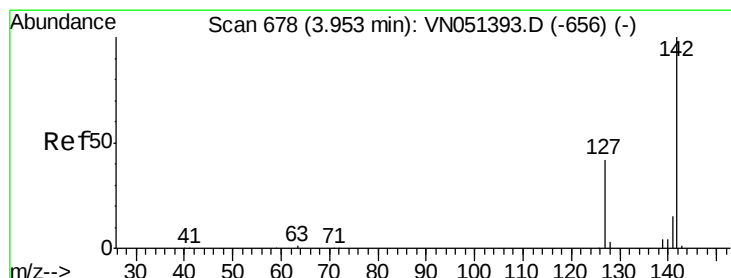
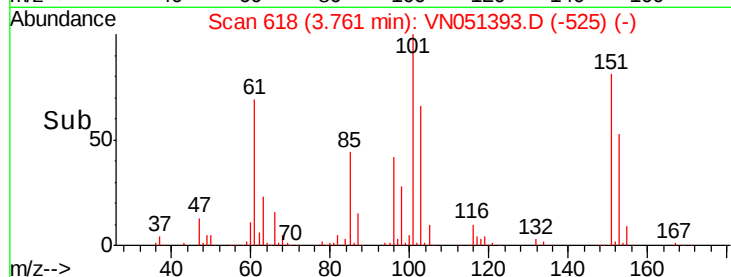
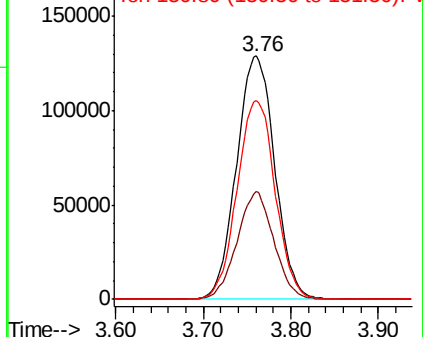
151 81.5 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.728 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

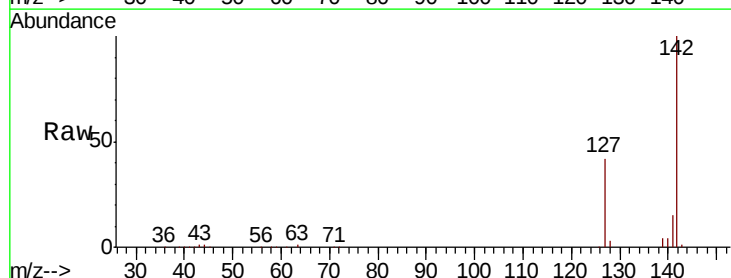
Tgt Ion:142 Resp: 527636

Ion Ratio Lower Upper

142 100

127 41.5 33.2 49.8

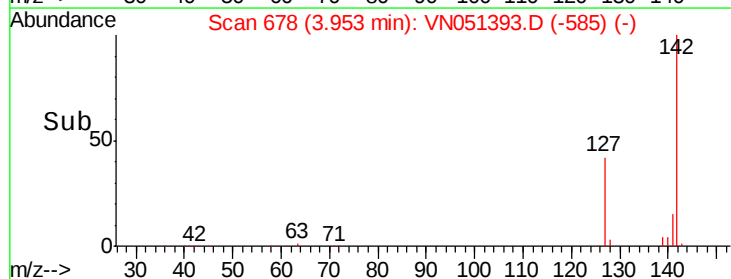
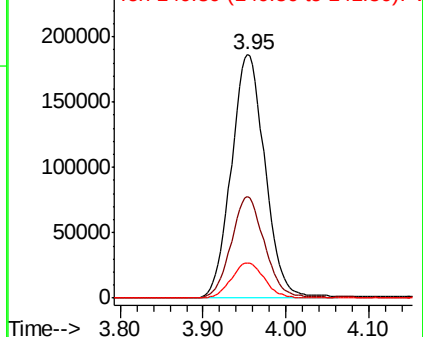
141 14.4 11.5 17.3

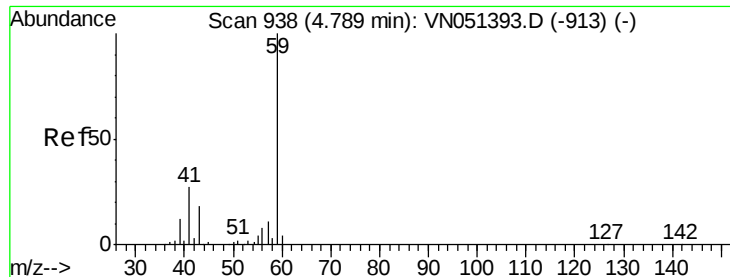


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



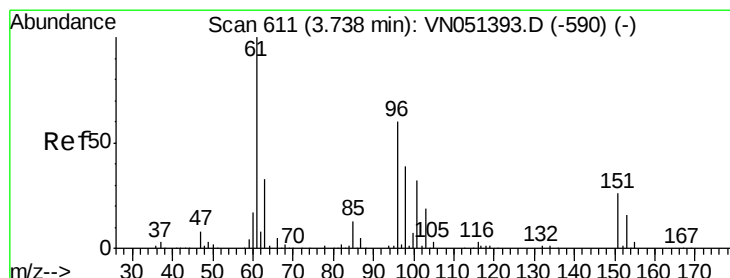
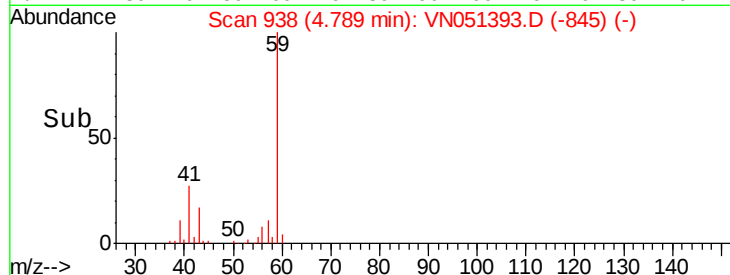
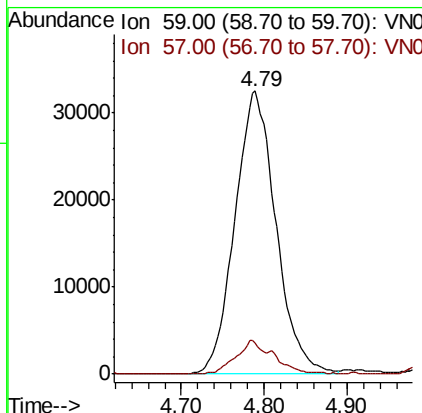
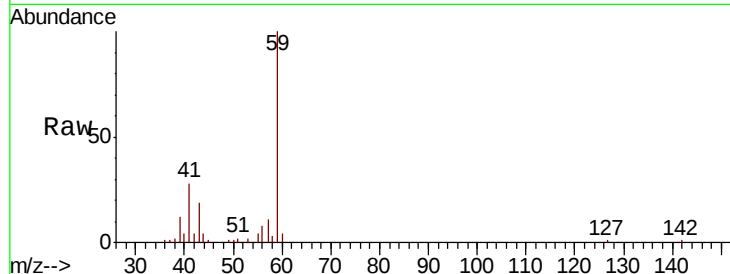


#11

Tert butyl alcohol
 Concen: 269.491 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

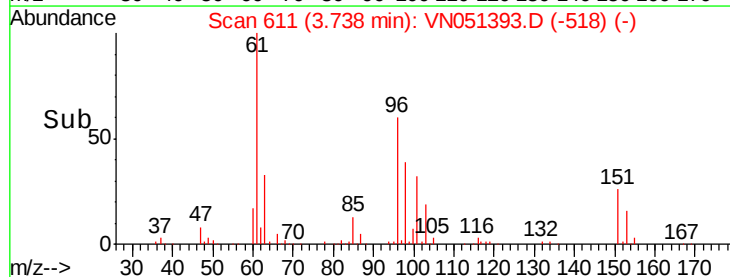
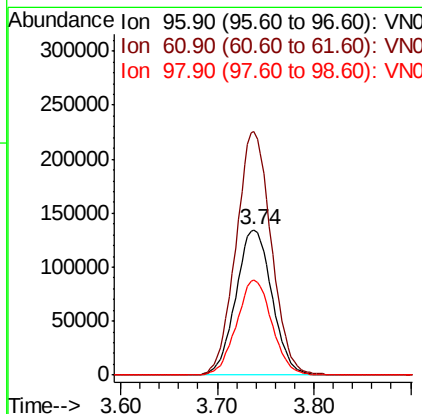
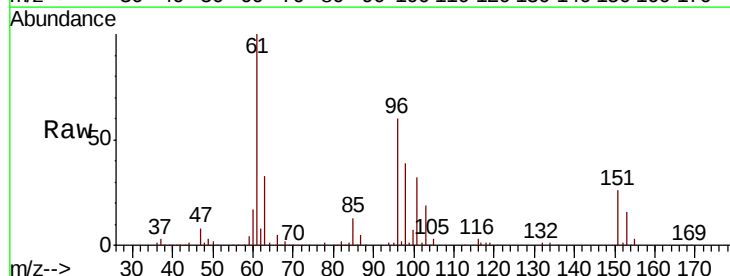
Tgt Ion: 59 Resp: 111860
 Ion Ratio Lower Upper
 59 100
 57 7.7 6.2 9.2

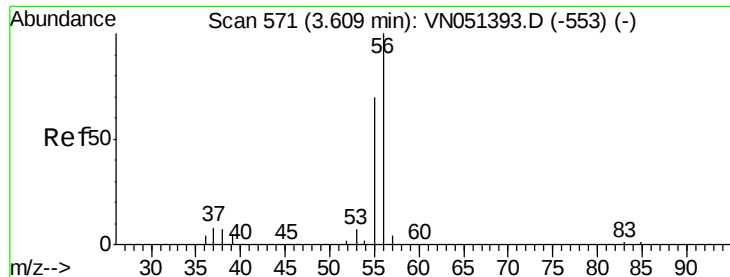


#12

1,1-Dichloroethene
 Concen: 53.377 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 96 Resp: 349116
 Ion Ratio Lower Upper
 96 100
 61 167.0 133.6 200.4
 98 65.2 52.2 78.2

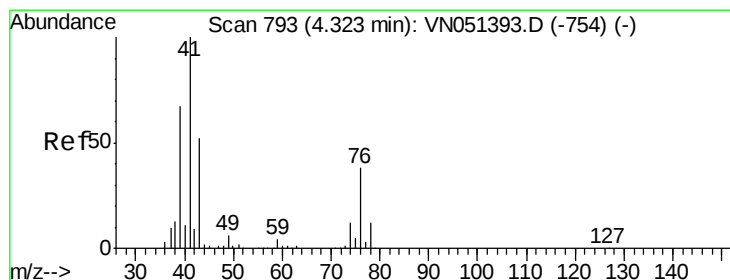
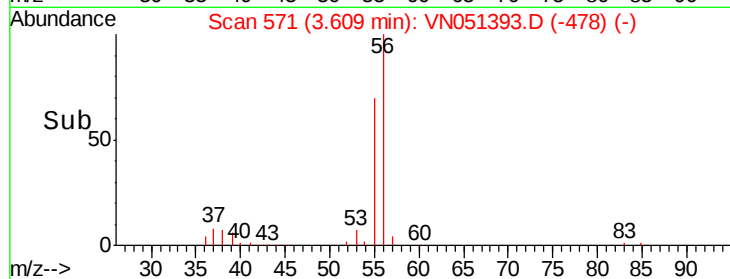
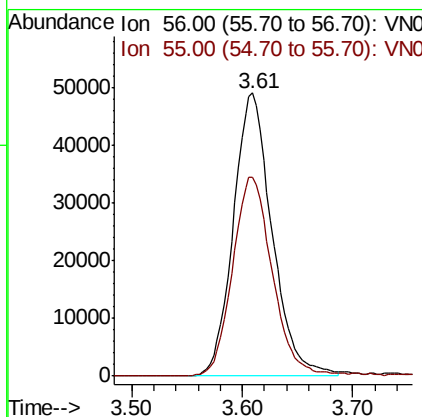
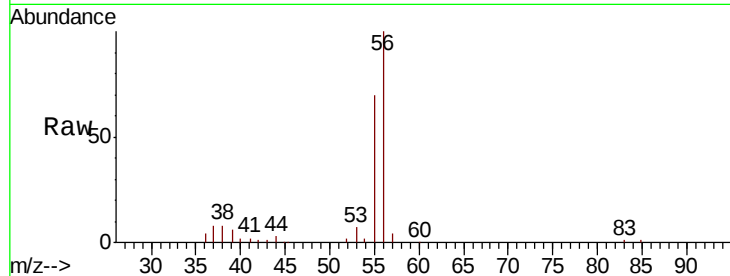




#13
Acrolein
Concen: 289.202 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

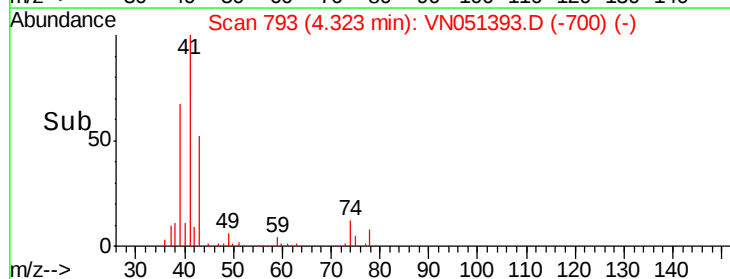
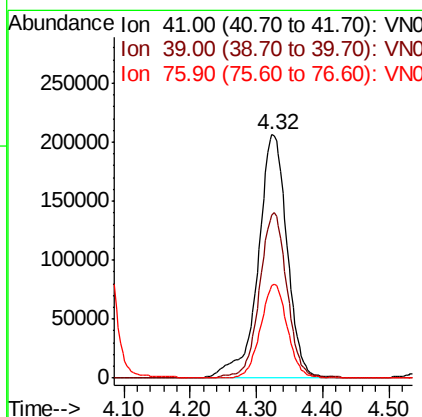
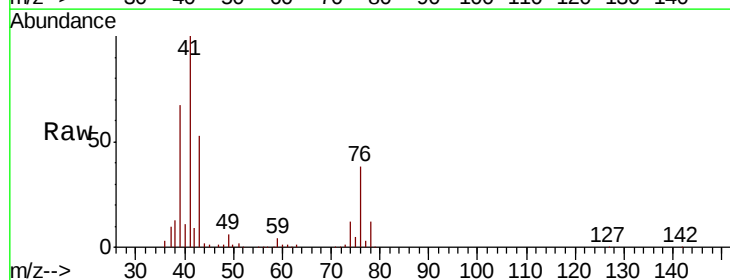
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

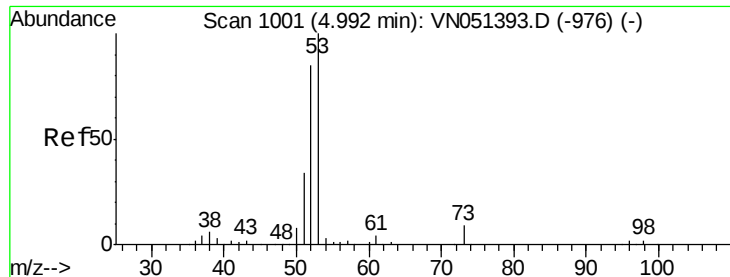
Tgt Ion: 56 Resp: 119352
Ion Ratio Lower Upper
56 100
55 72.3 57.8 86.8



#14
Allyl chloride
Concen: 57.428 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 41 Resp: 630191
Ion Ratio Lower Upper
41 100
39 64.3 51.4 77.2
76 35.1 28.1 42.1





#15

Acrylonitrile

Concen: 282.585 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

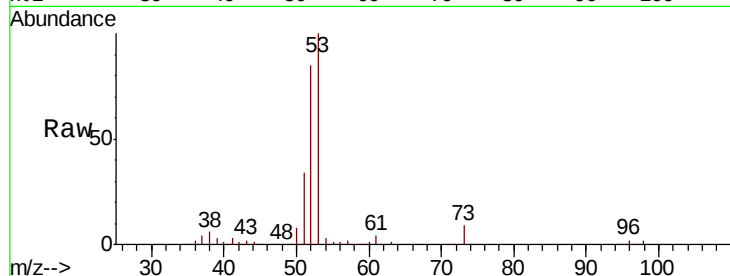
Tgt Ion: 53 Resp: 638871

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

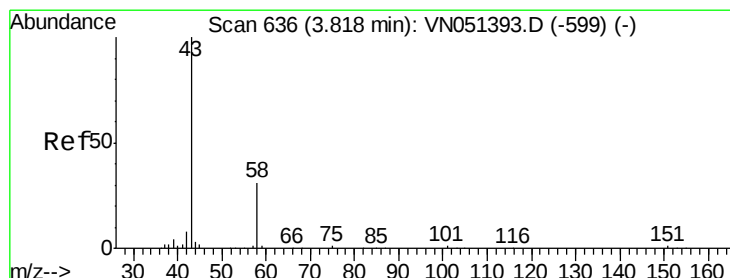
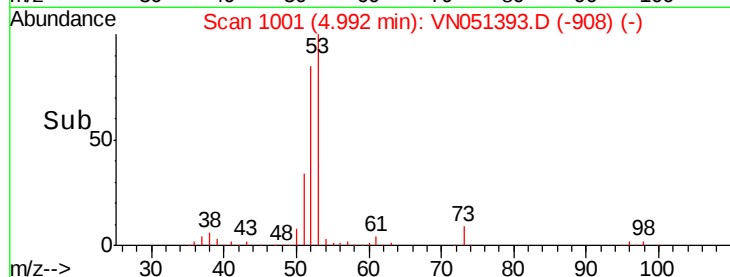
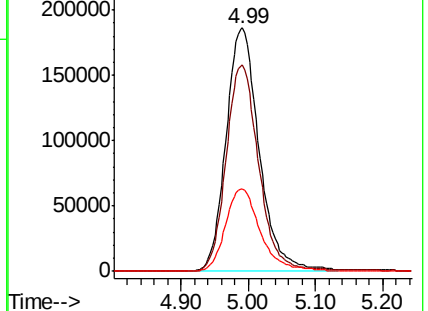
51 35.7 28.6 42.8



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: 298.879 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051393.D

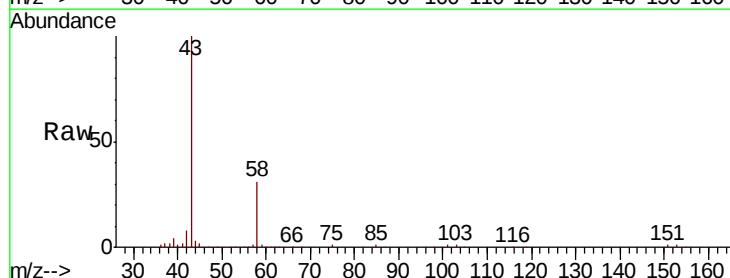
Acq: 22 Sep 2018 13:07

Tgt Ion: 43 Resp: 481408

Ion Ratio Lower Upper

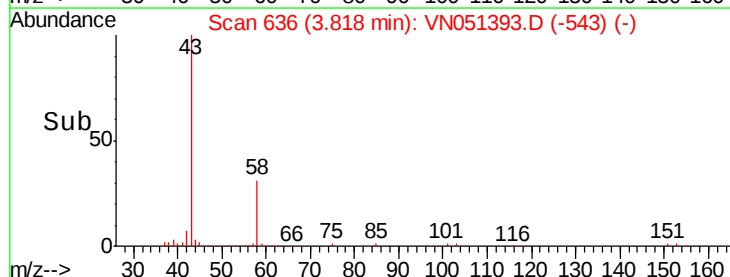
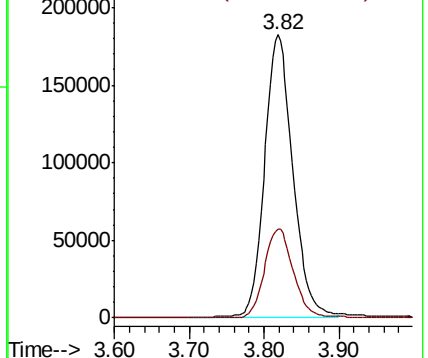
43 100

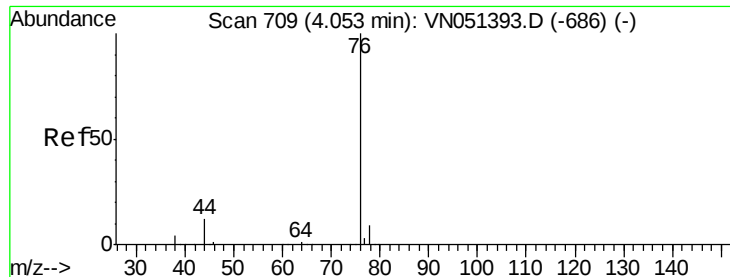
58 31.2 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

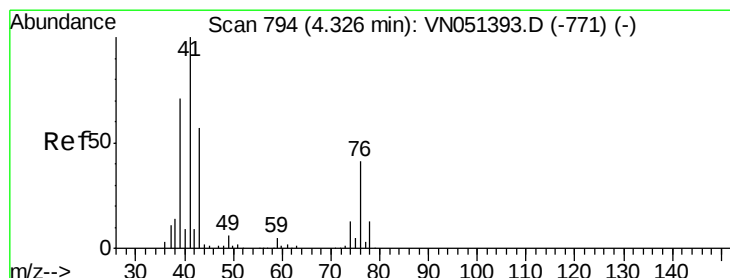
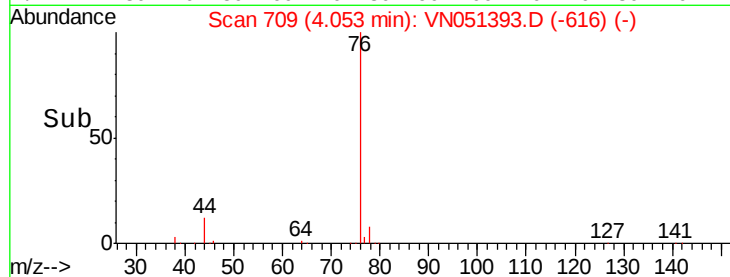
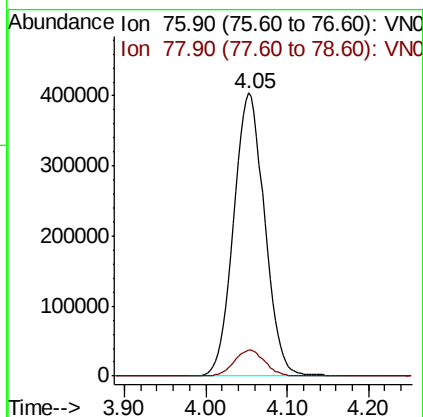
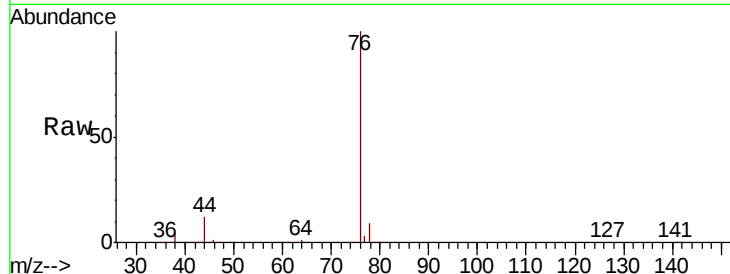




#17
 Carbon Disulfide
 Concen: 55.567 ug/l
 RT: 4.05 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

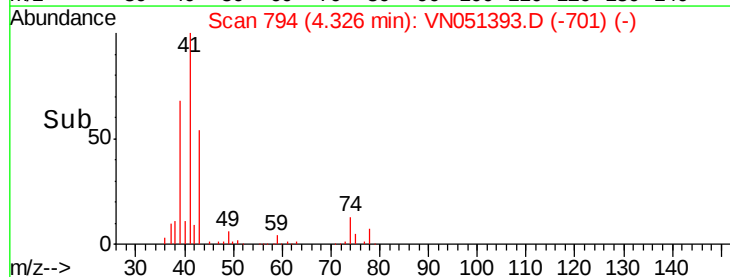
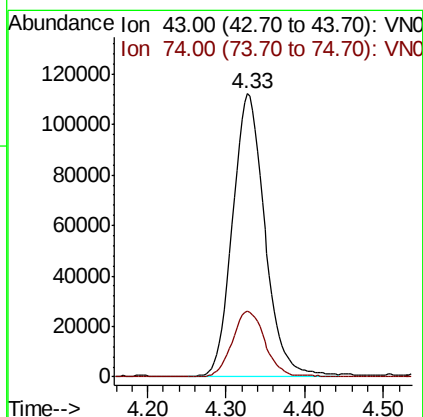
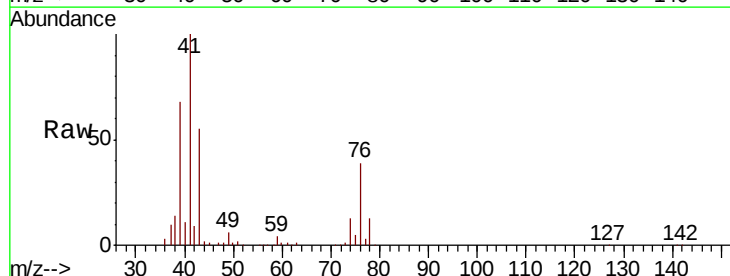
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

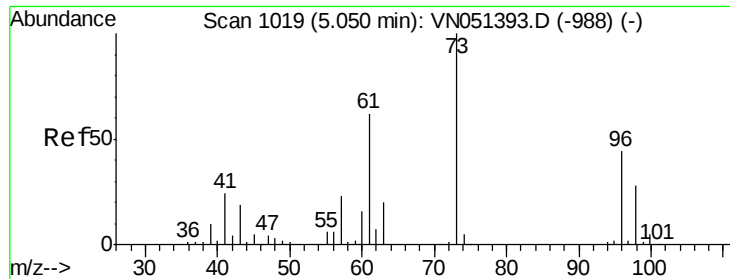
Tgt Ion: 76 Resp: 1067756
 Ion Ratio Lower Upper
 76 100
 78 9.1 7.3 10.9



#18
 Methyl Acetate
 Concen: 56.972 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 43 Resp: 319521
 Ion Ratio Lower Upper
 43 100
 74 23.5 18.8 28.2

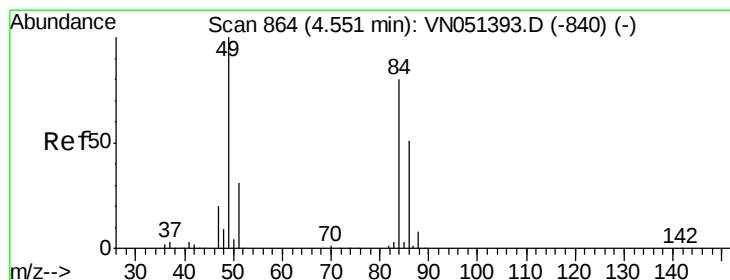
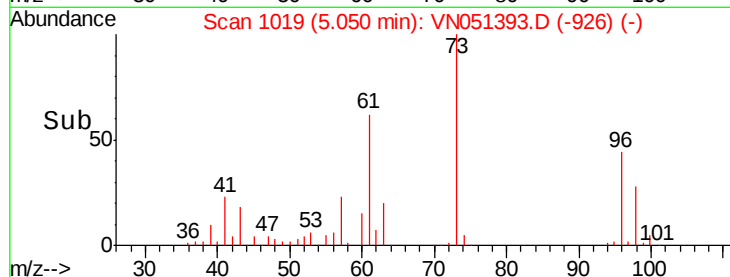
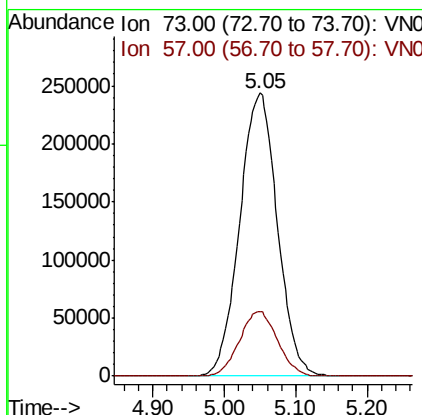
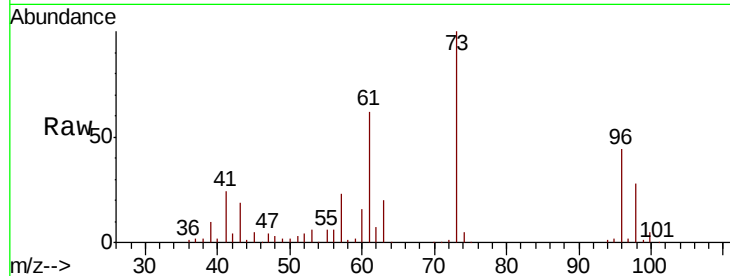




#19
Methyl tert-butyl Ether
Concen: 53.007 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

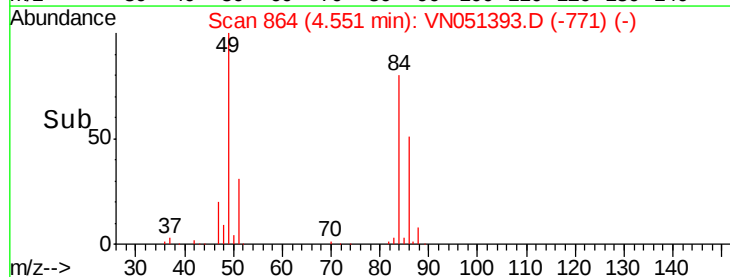
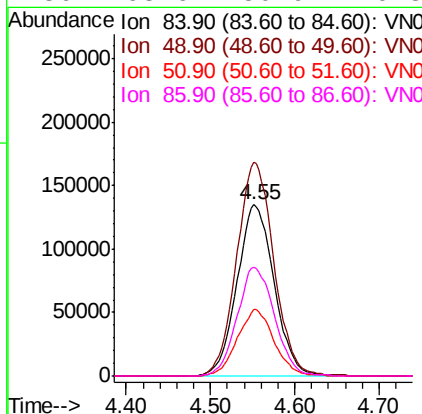
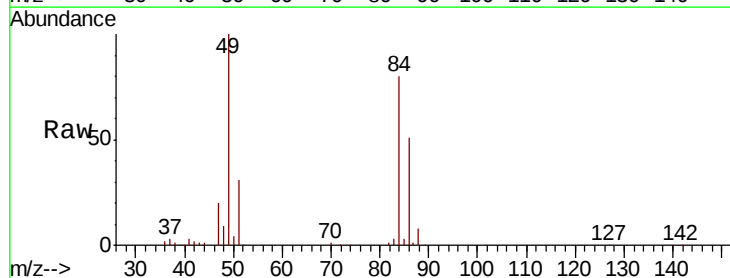
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

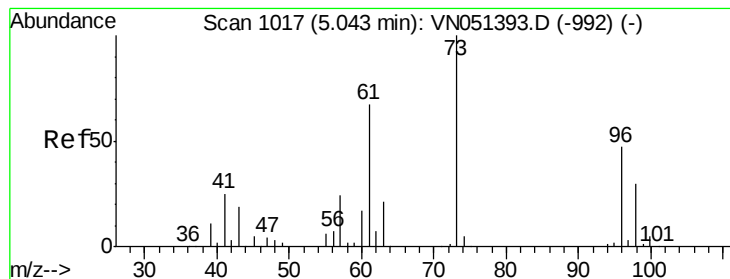
Tgt Ion: 73 Resp: 894023
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 56.631 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 84 Resp: 412667
Ion Ratio Lower Upper
84 100
49 124.9 99.9 149.9
51 39.3 31.4 47.2
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 53.117 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

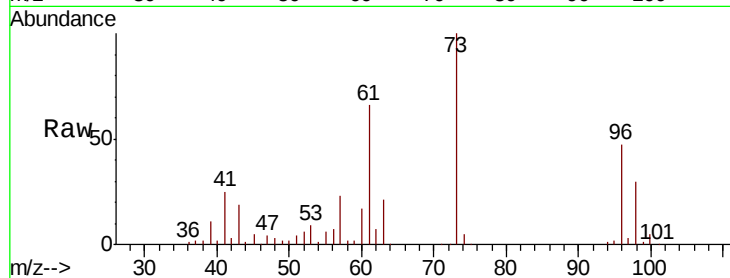
Tgt Ion: 96 Resp: 355402

Ion Ratio Lower Upper

96 100

61 141.8 113.4 170.2

98 63.9 51.1 76.7

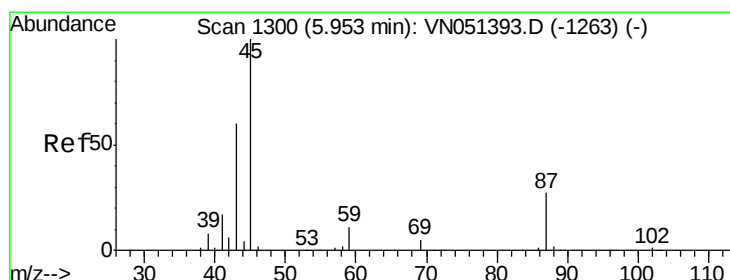
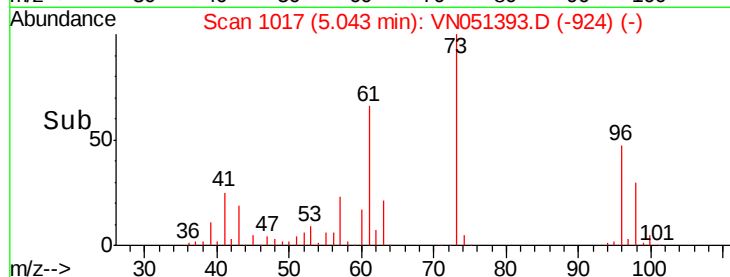
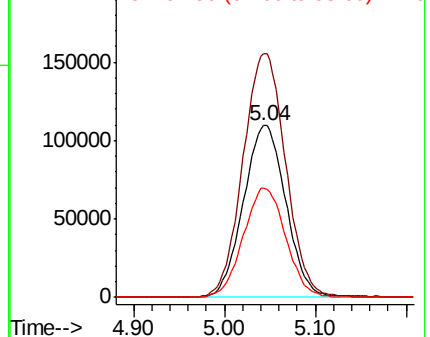


Abundance

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: 48.559 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion: 45 Resp: 1030022

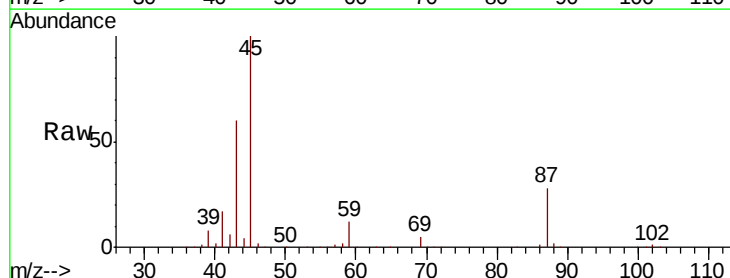
Ion Ratio Lower Upper

45 100

43 59.6 47.7 71.5

87 27.5 22.0 33.0

59 11.6 9.3 13.9



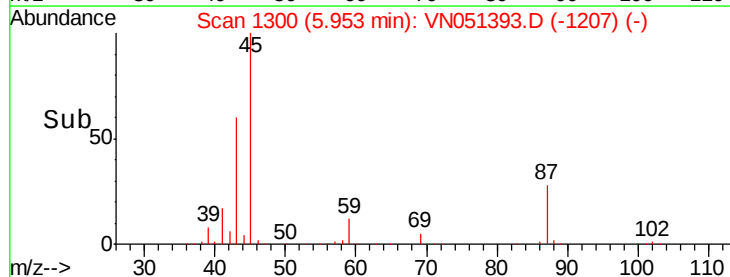
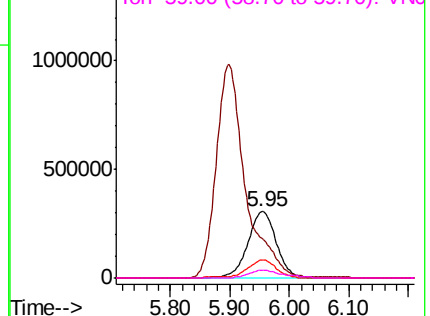
Abundance

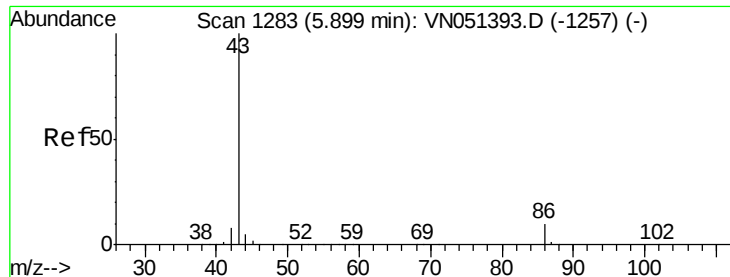
Ion 45.00 (44.70 to 45.70): VN0

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: 242.334 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

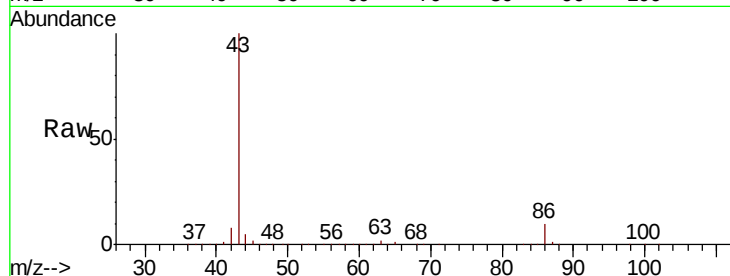
VSTDICCC050

Tgt Ion: 43 Resp: 3374747

Ion Ratio Lower Upper

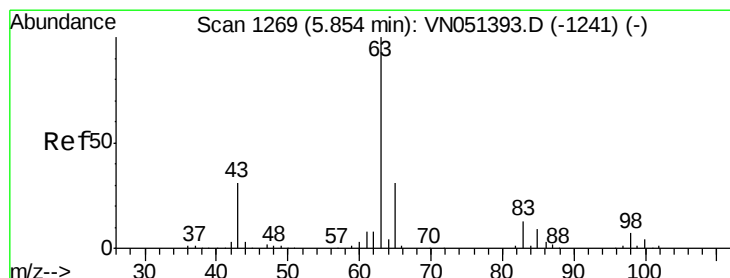
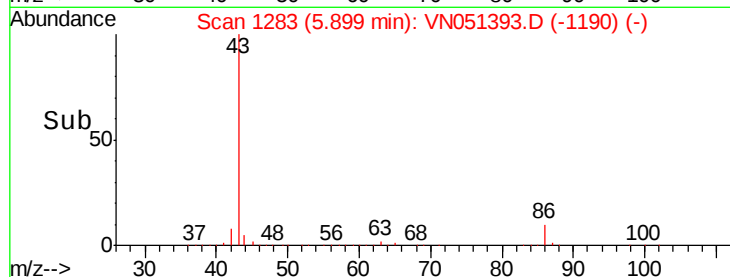
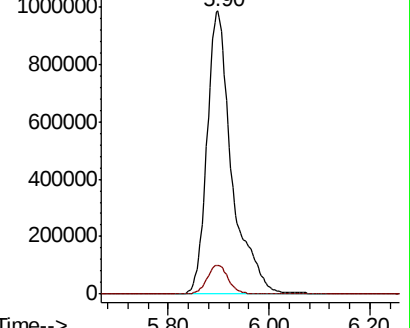
43 100

86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN051393.D (-1257) (-)



#24

1,1-Dichloroethane

Concen: 47.359 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

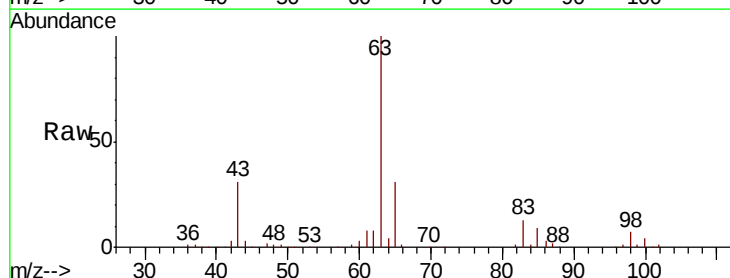
Tgt Ion: 63 Resp: 599391

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

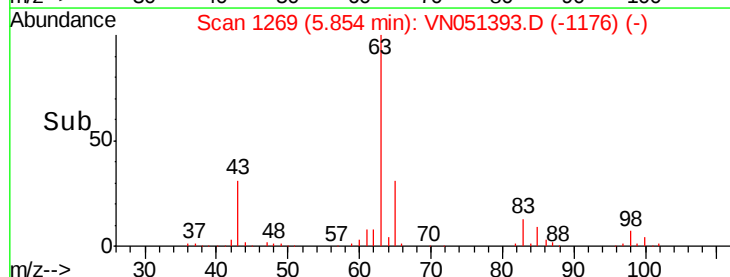
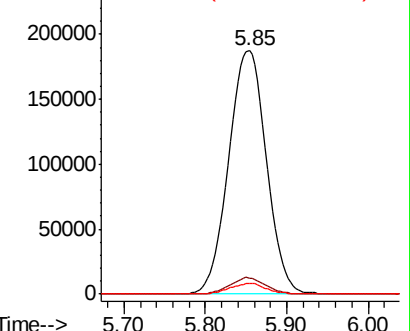
100 4.4 2.2 6.6

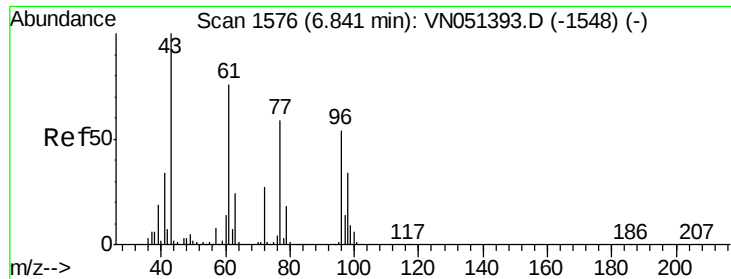


Abundance Ion 62.90 (62.60 to 63.60): VN051393.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051393.D (-1241) (-)

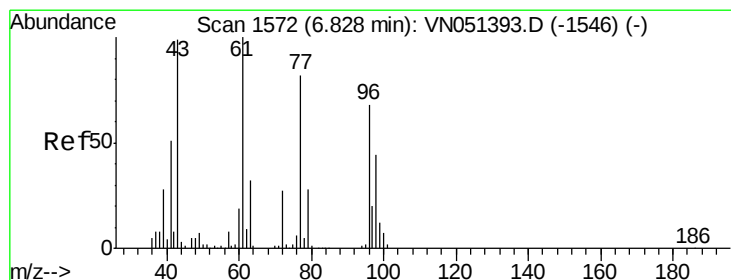
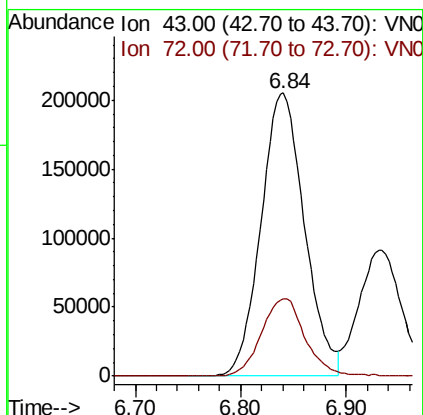
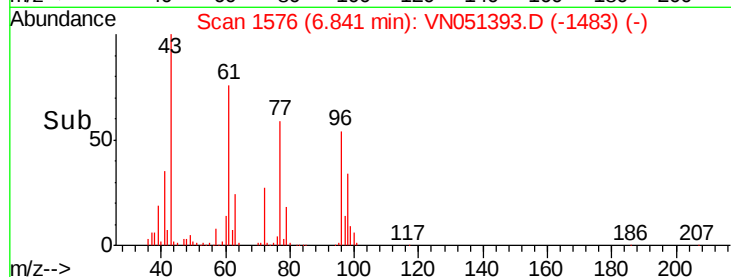
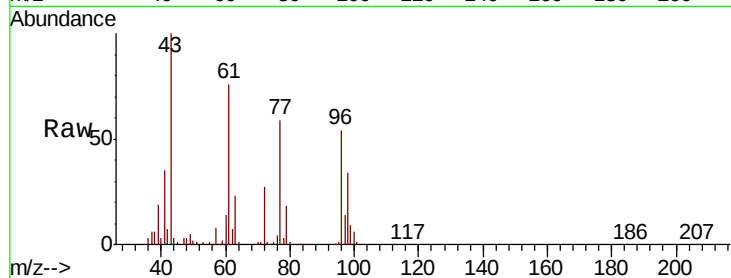




#25
2-Butanone
Concen: 232.461 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

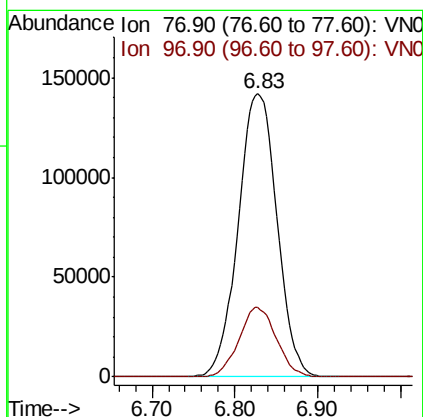
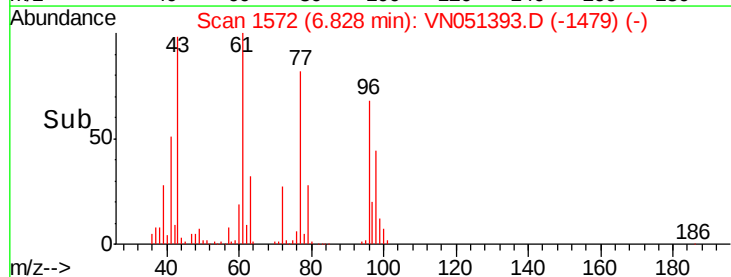
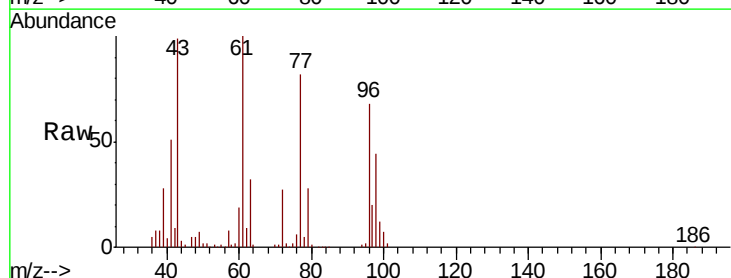
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

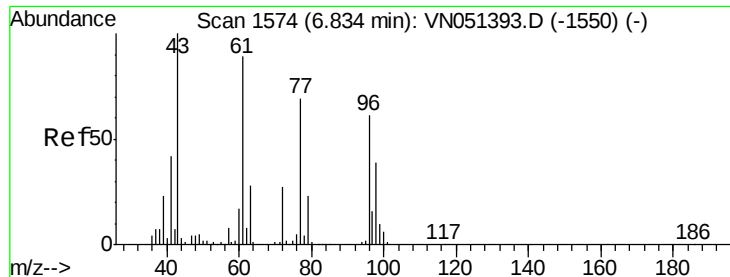
Tgt Ion: 43 Resp: 585916
Ion Ratio Lower Upper
43 100
72 27.2 21.8 32.6



#26
2,2-Dichloropropane
Concen: 46.746 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 77 Resp: 461819
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 48.053 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

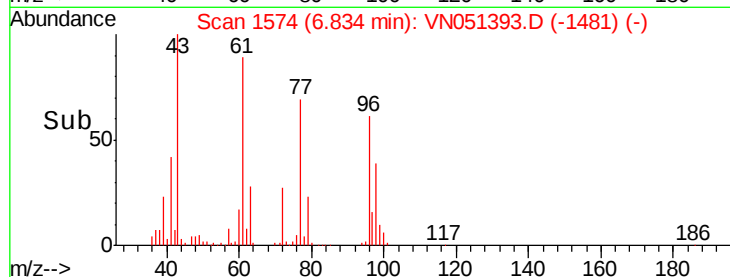
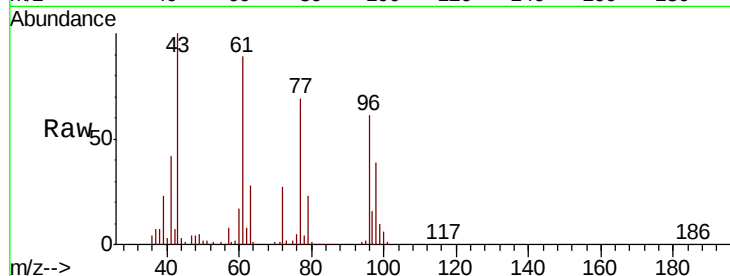
Tgt Ion: 96 Resp: 352781

Ion Ratio Lower Upper

96 100

61 145.7 0.0 291.4

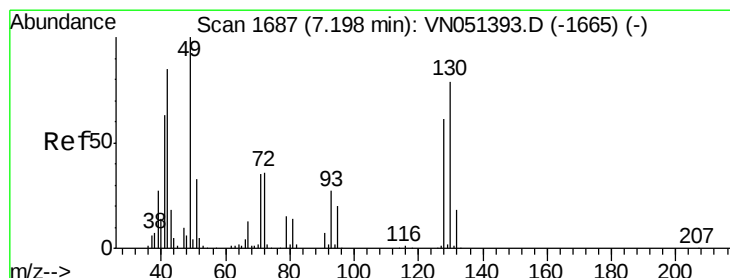
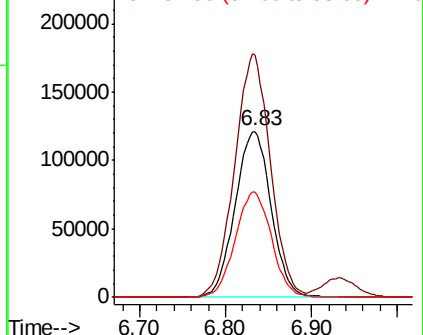
98 64.2 0.0 128.4



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: 48.293 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

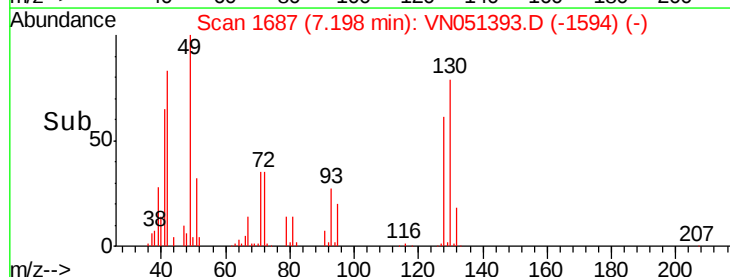
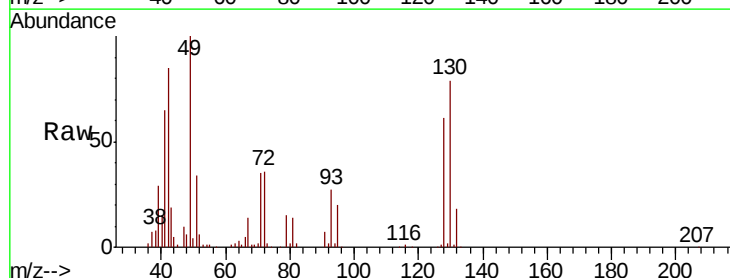
Tgt Ion: 49 Resp: 282252

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

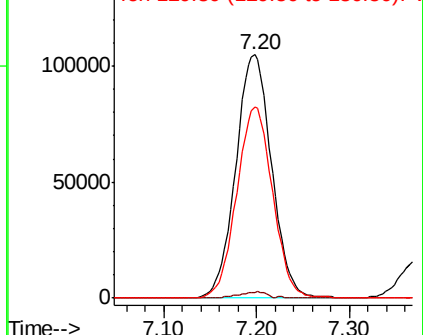
130 78.7 63.0 94.4

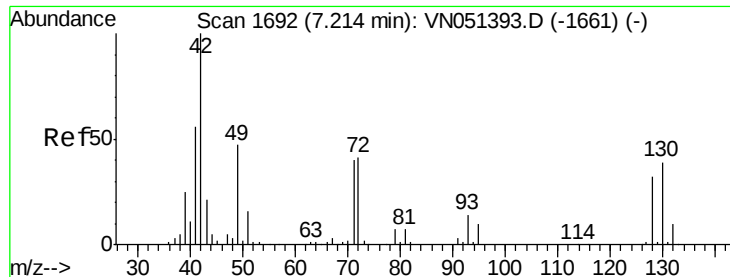


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 242.864 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

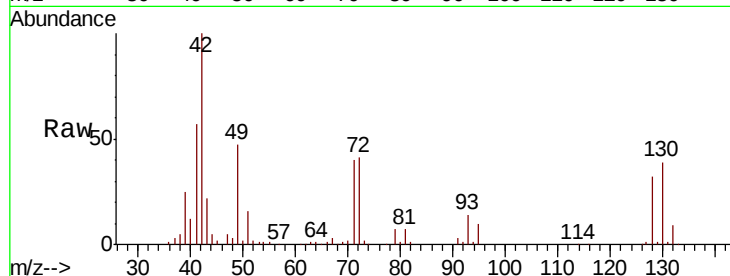
Tgt Ion: 42 Resp: 387918

Ion Ratio Lower Upper

42 100

72 42.9 34.3 51.5

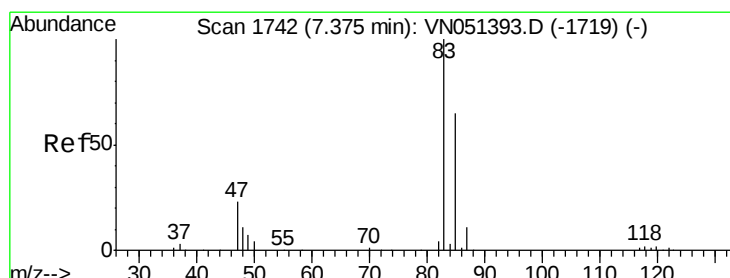
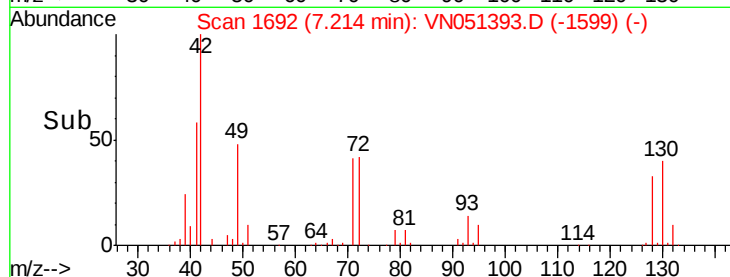
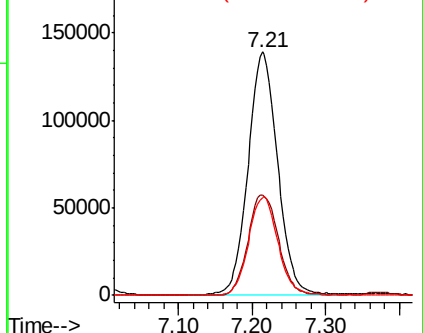
71 40.3 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VN051393.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN051393.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN051393.D (-1661) (-)



#30

Chloroform

Concen: 47.911 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051393.D

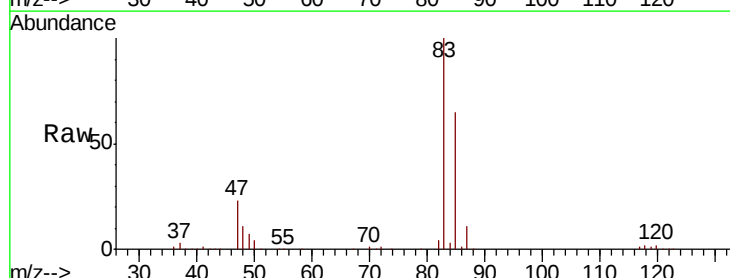
Acq: 22 Sep 2018 13:07

Tgt Ion: 83 Resp: 600831

Ion Ratio Lower Upper

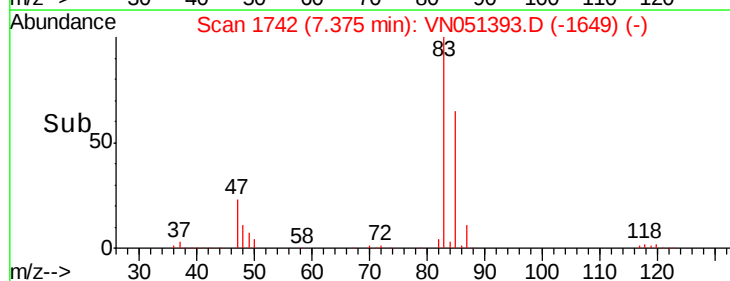
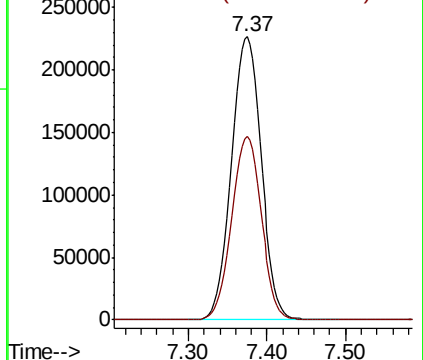
83 100

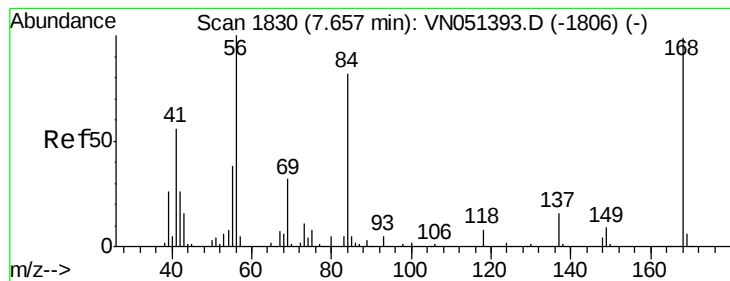
85 64.7 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-1719) (-)





#31

Cyclohexane

Concen: 46.839 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

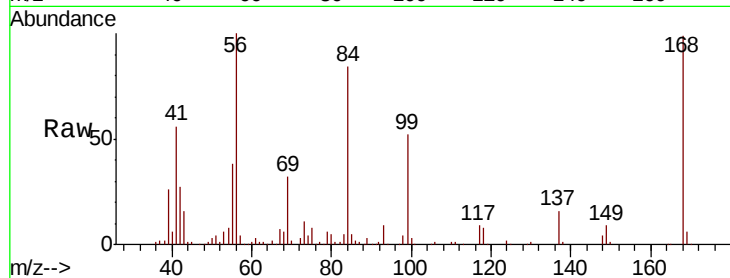
Tgt Ion: 56 Resp: 543121

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

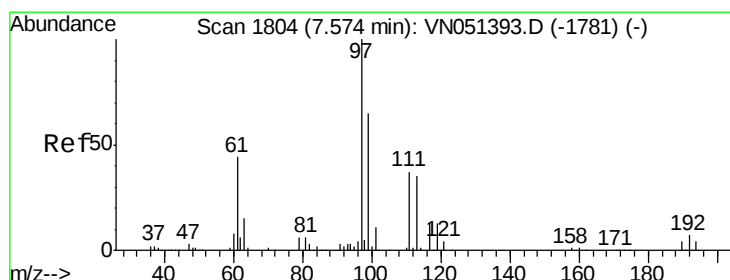
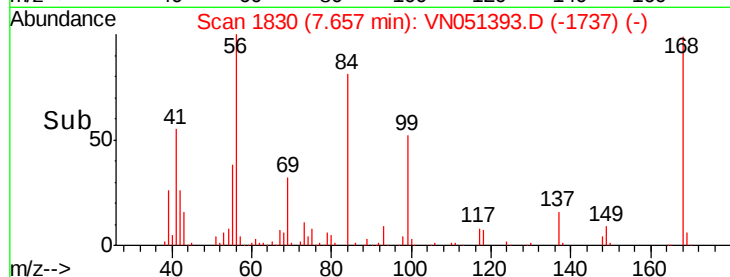
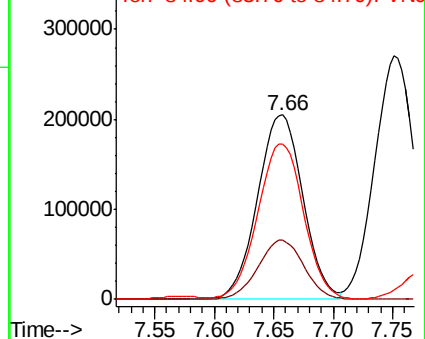
84 82.5 66.0 99.0



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: 47.721 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

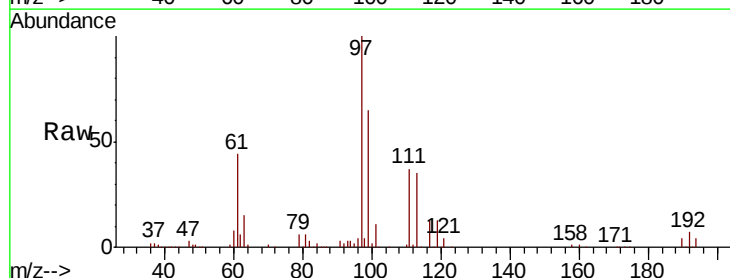
Tgt Ion: 97 Resp: 511620

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

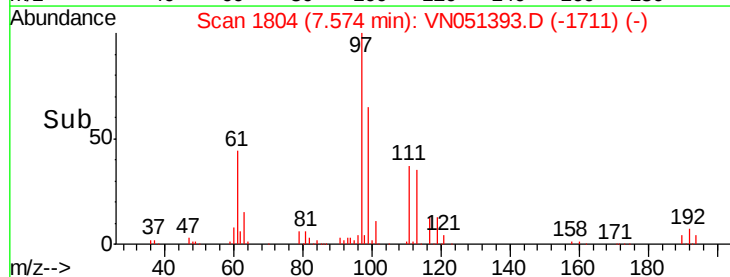
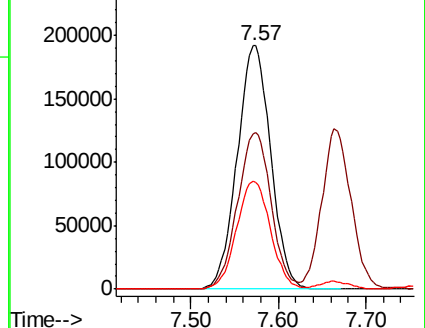
61 44.8 35.8 53.8

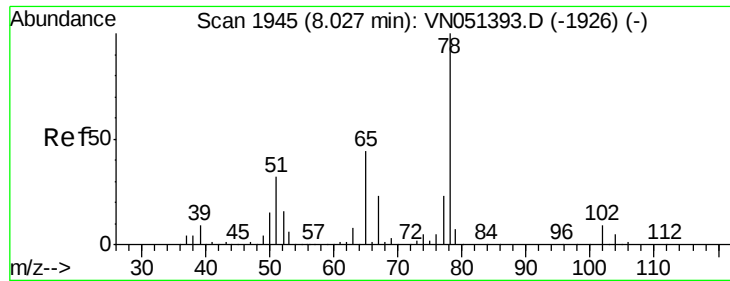


Abundance Ion 96.90 (96.60 to 97.60): VN051393.D (-1781) (-)

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

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

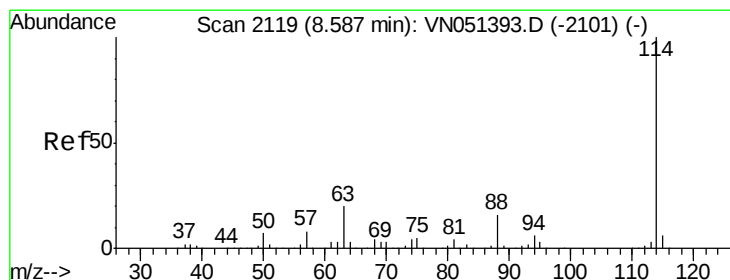
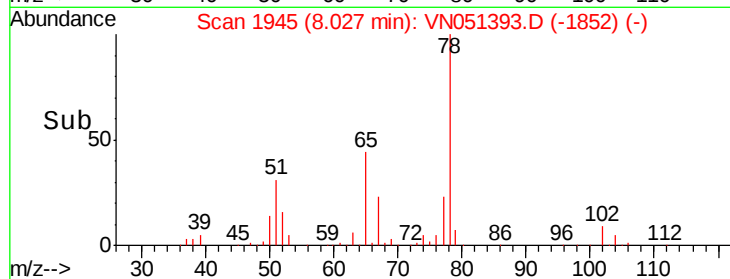
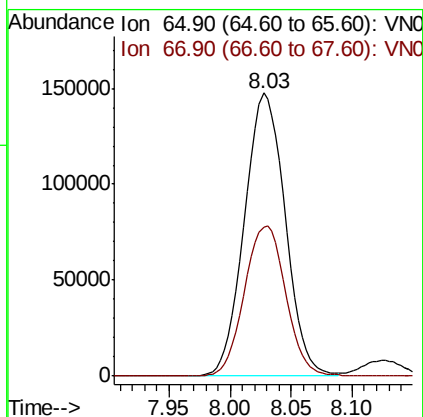
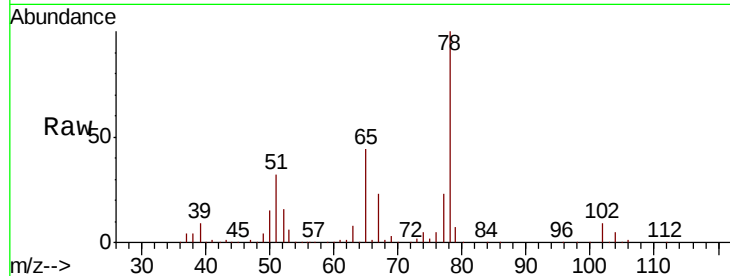




#33
 1,2-Dichloroethane-d4
 Concen: 46.379 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

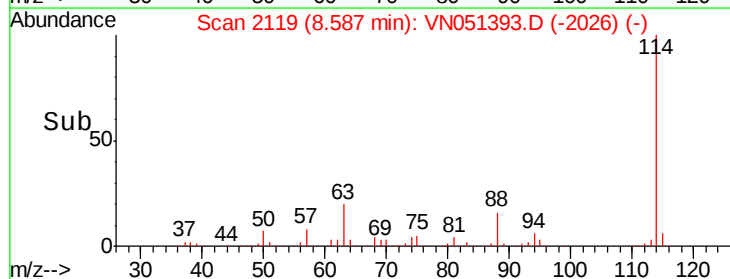
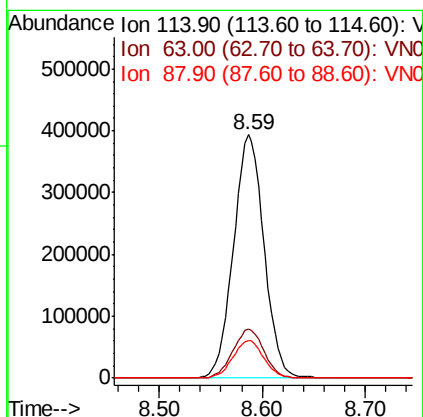
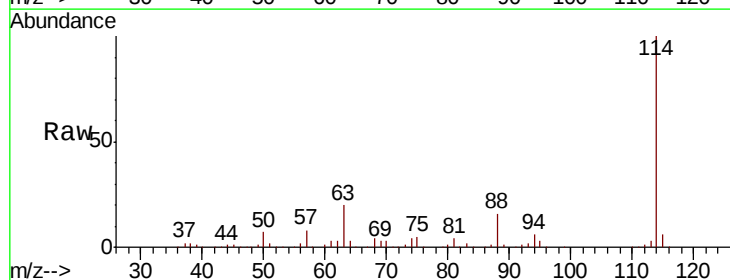
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

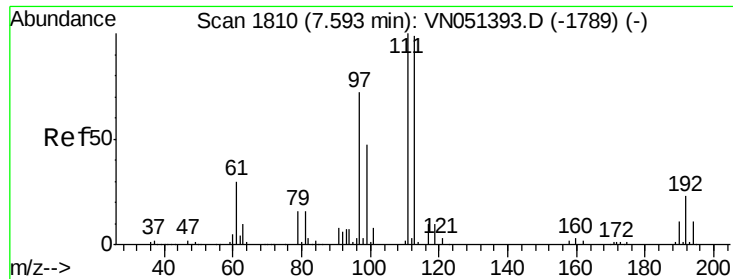
Tgt Ion: 65 Resp: 341533
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 114 Resp: 811103
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.7 0.0 31.4

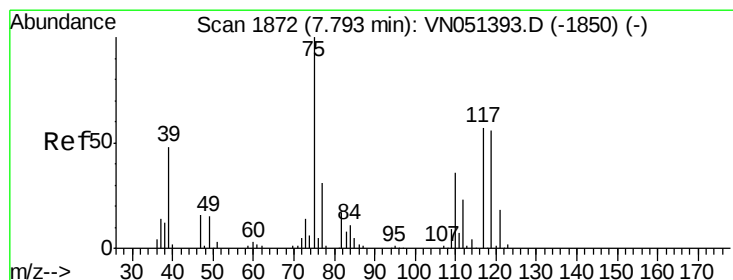
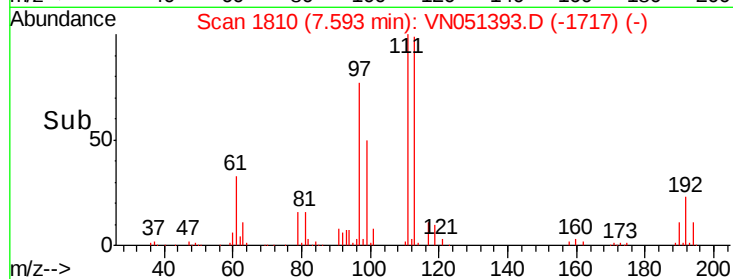
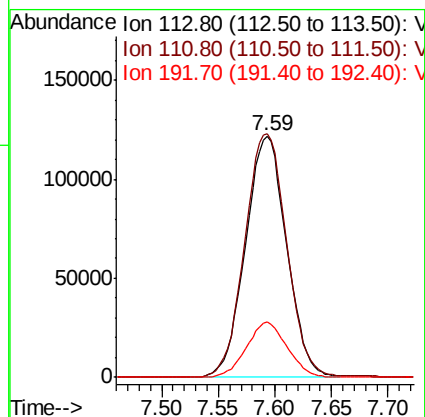
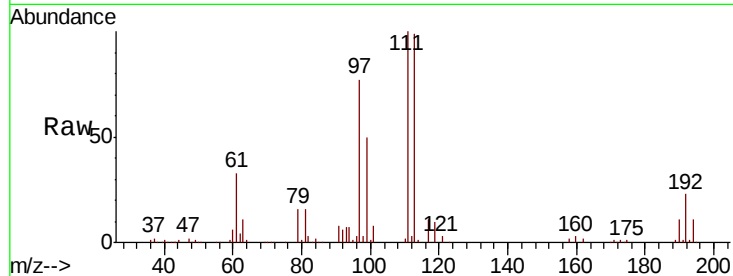




#35
 Dibromofluoromethane
 Concen: 47.446 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

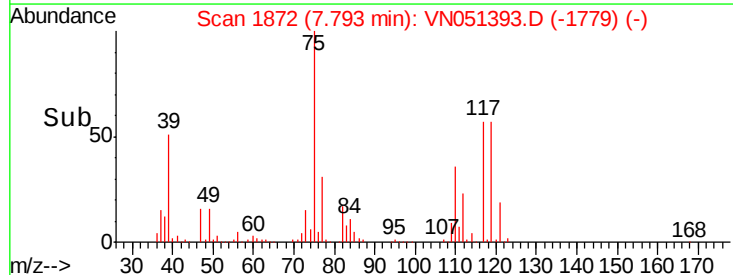
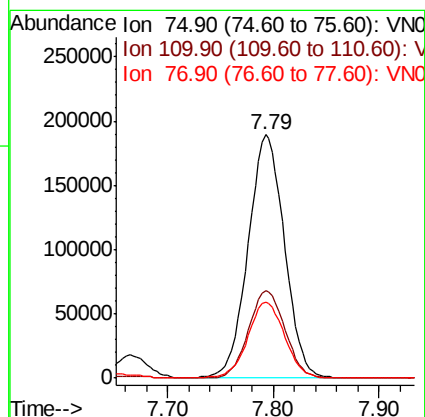
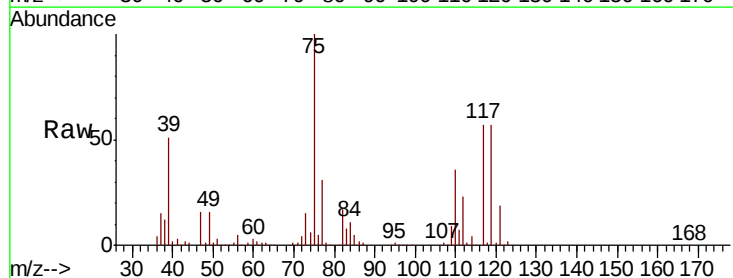
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

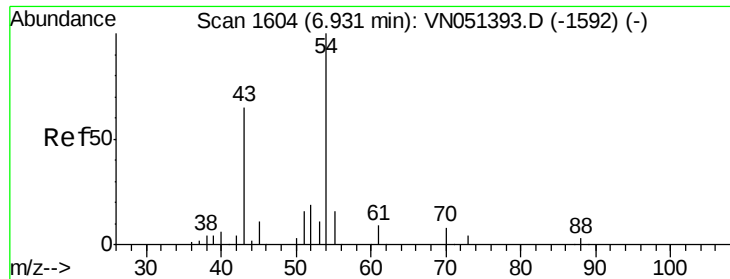
Tgt Ion: 113 Resp: 307734
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.6 123.8
 192 22.5 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 48.057 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 75 Resp: 451383
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.3
 77 32.0 25.6 38.4

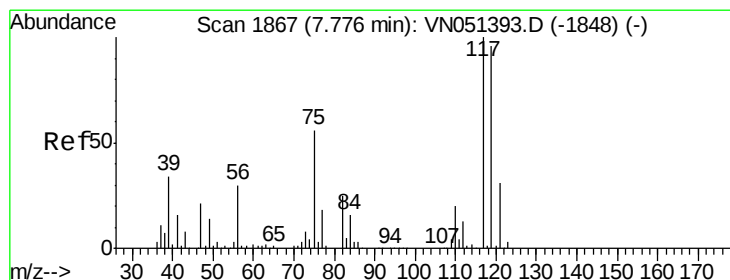
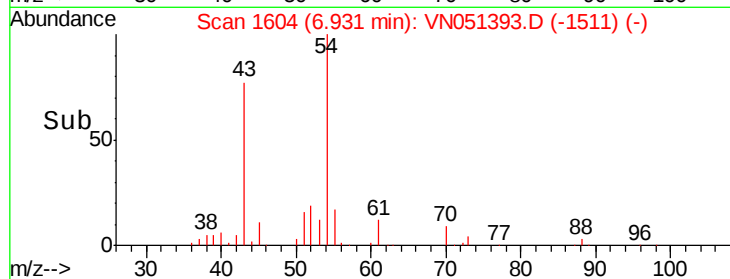
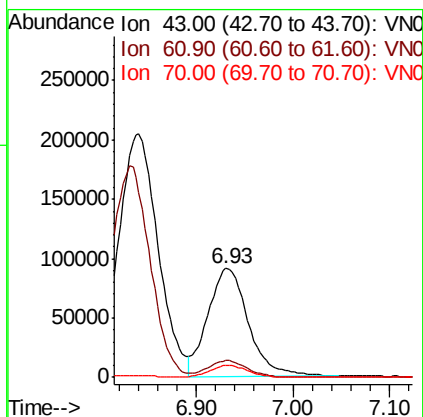
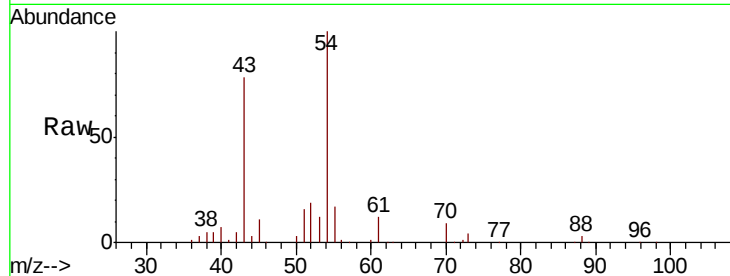




#37
Ethyl Acetate
Concen: 48.997 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

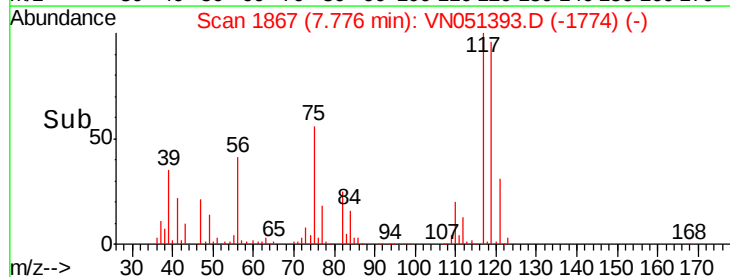
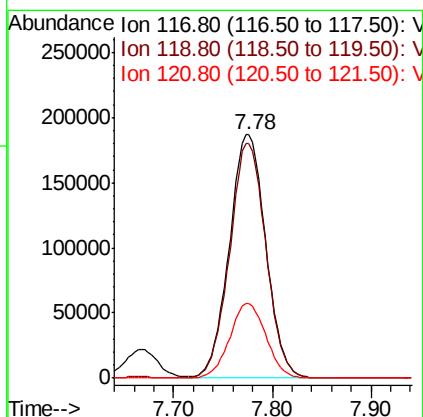
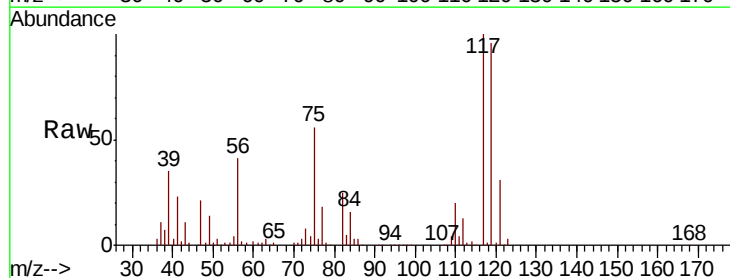
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

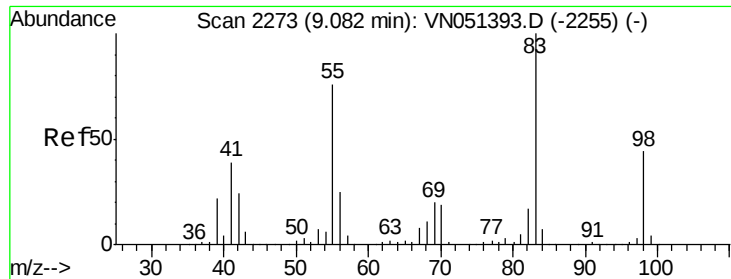
Tgt Ion: 43 Resp: 264607
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 48.925 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 117 Resp: 480661
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 30.8 24.6 37.0

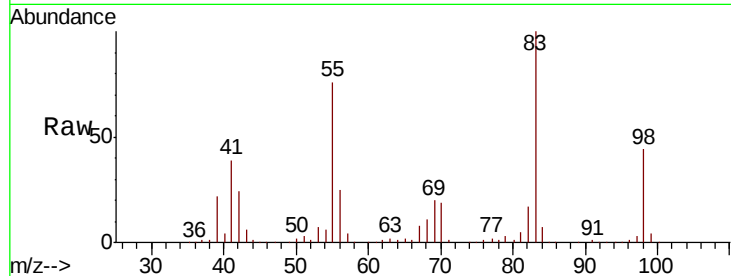




#39
Methylcyclohexane
Concen: 49.263 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	44.5	35.6	53.4

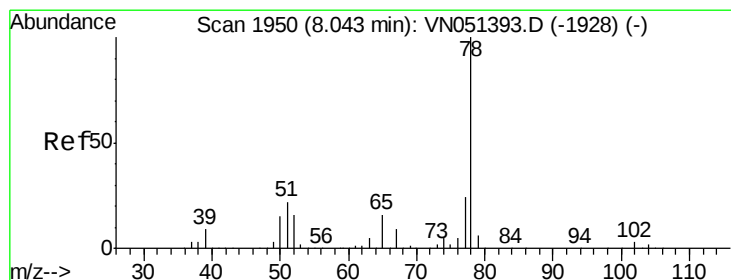
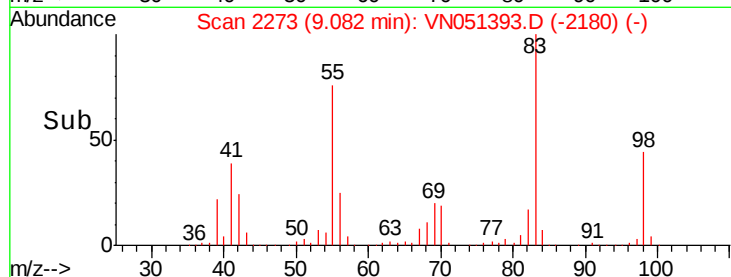
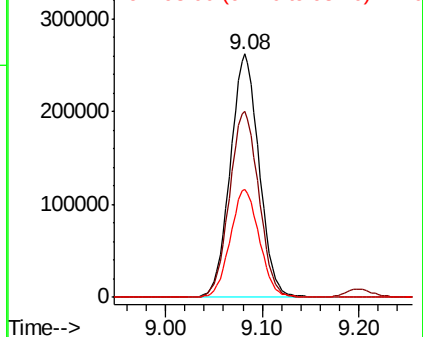


Abundance

Ion 83.00 (82.70 to 83.70): VN0

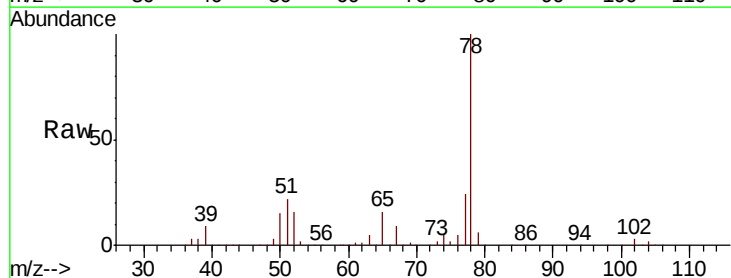
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.179 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

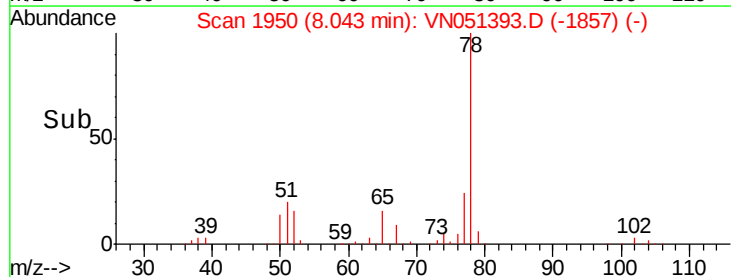
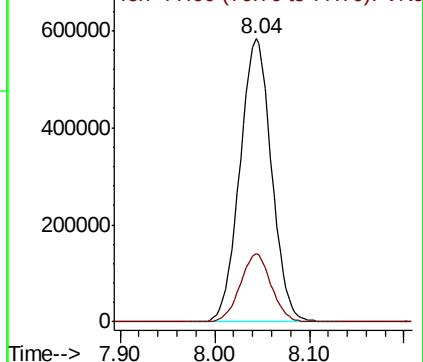
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

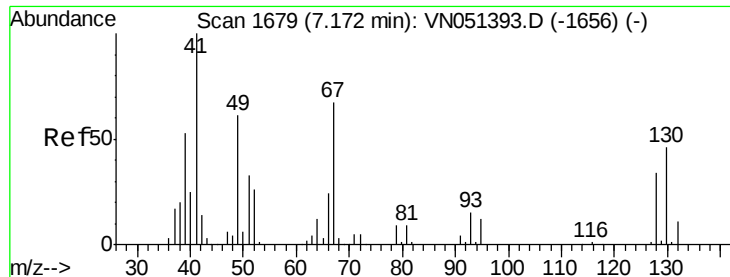


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

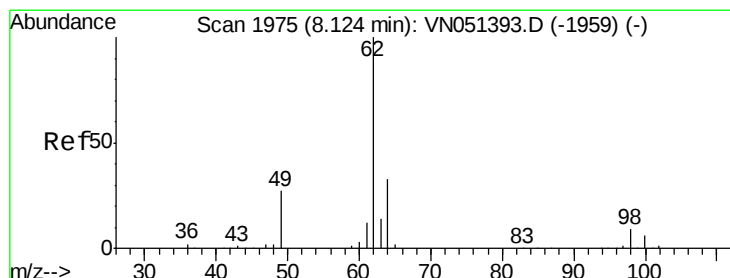
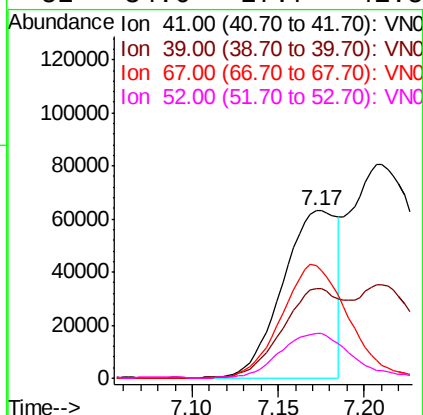
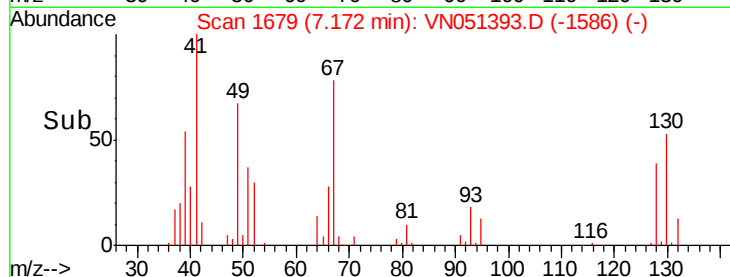
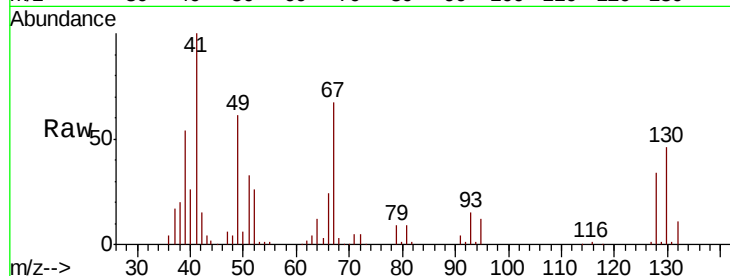




#41
Methacrylonitrile
Concen: 46.619 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

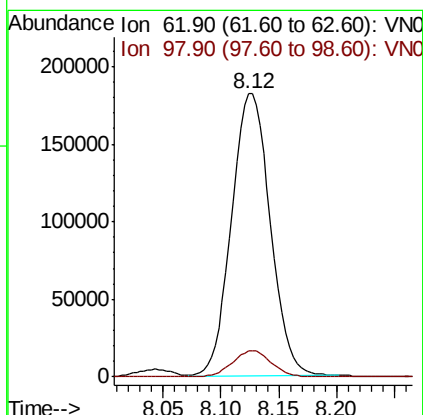
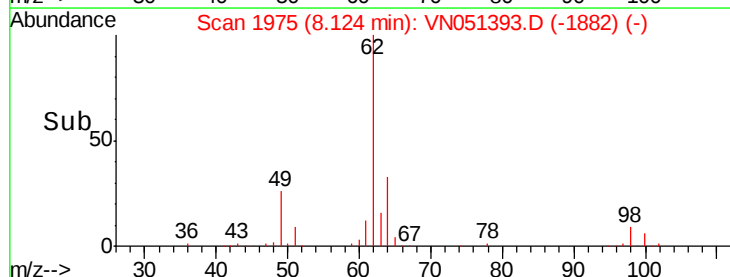
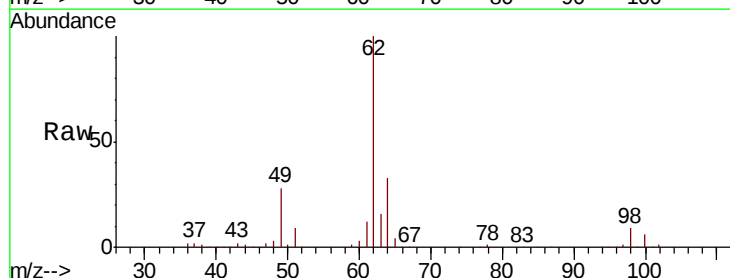
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

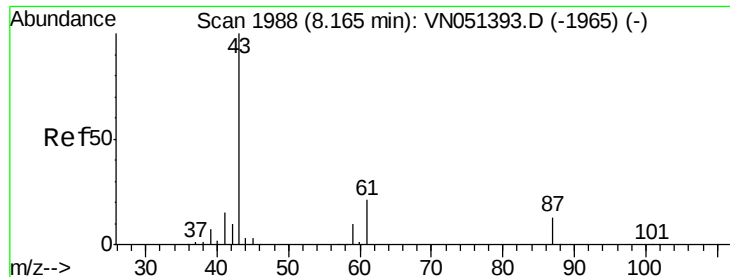
Tgt Ion: 41 Resp: 139287
Ion Ratio Lower Upper
41 100
39 64.3 51.4 77.2
67 83.5 66.8 100.2
52 34.6 27.7 41.5



#42
1,2-Dichloroethane
Concen: 47.918 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 62 Resp: 423155
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6





#43

Isopropyl Acetate

Concen: 47.713 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

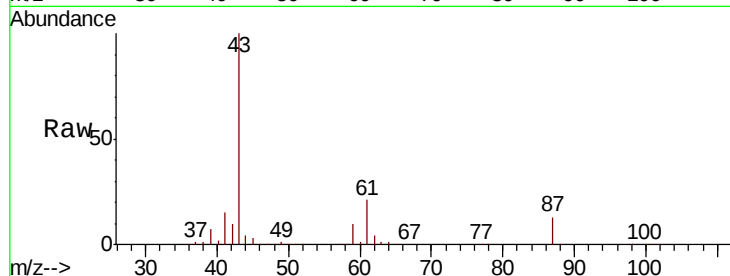
Tgt Ion: 43 Resp: 465946

Ion Ratio Lower Upper

43 100

61 21.0 16.8 25.2

87 13.4 10.7 16.1

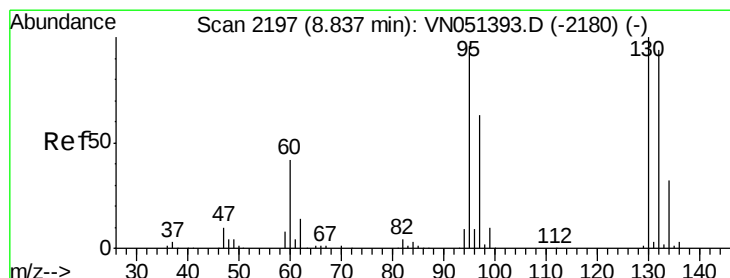
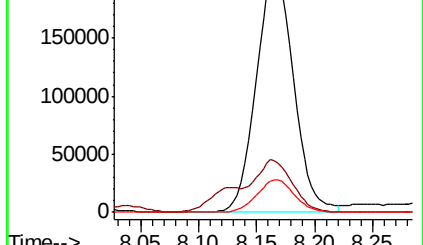
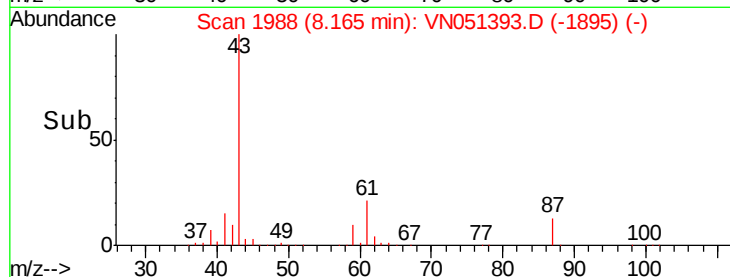


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 48.419 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051393.D

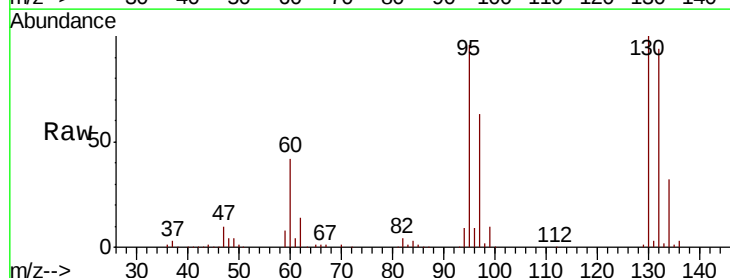
Acq: 22 Sep 2018 13:07

Tgt Ion: 130 Resp: 354683

Ion Ratio Lower Upper

130 100

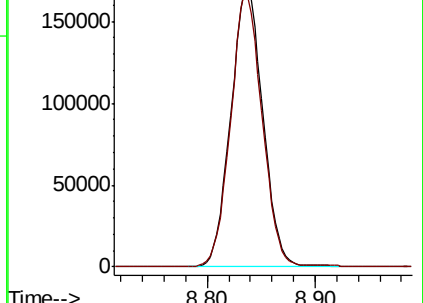
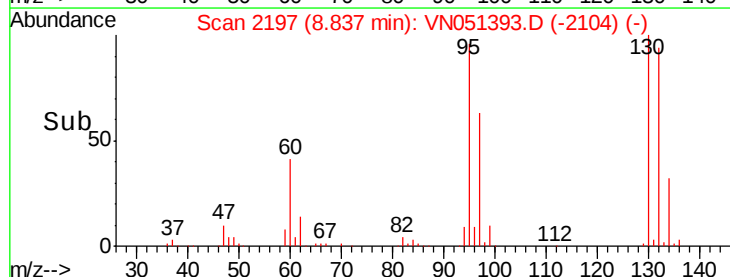
95 96.1 0.0 192.2

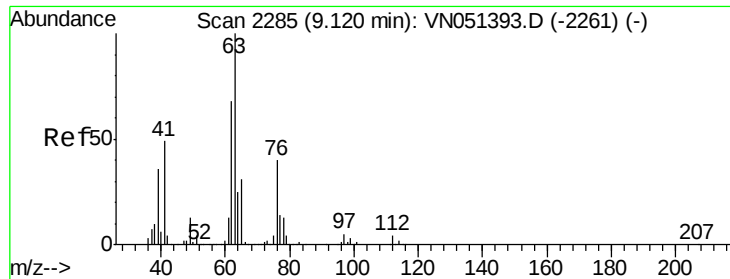


Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

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

Time-->

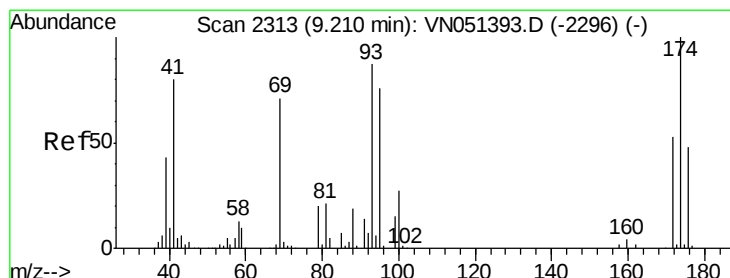
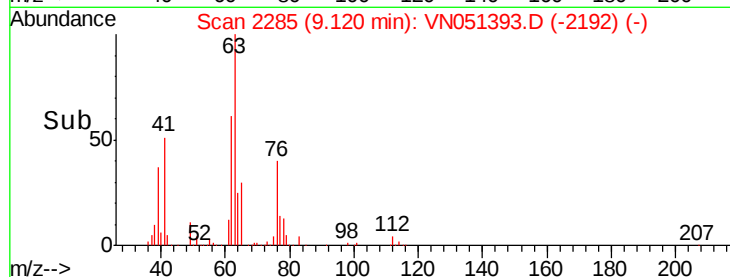
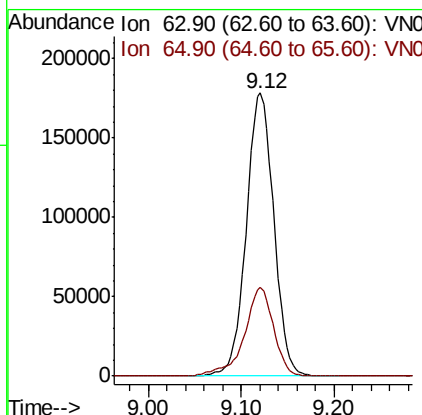
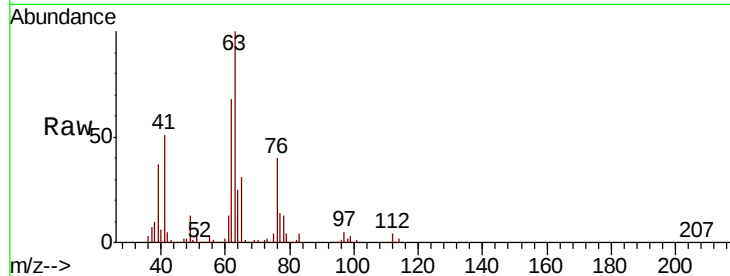




#45
 1,2-Dichloropropane
 Concen: 49.083 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

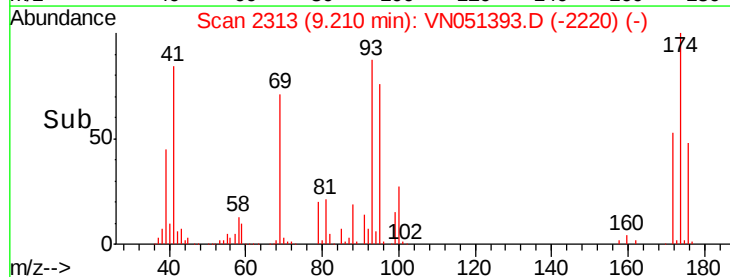
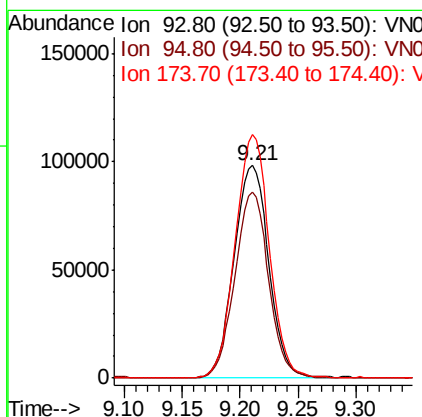
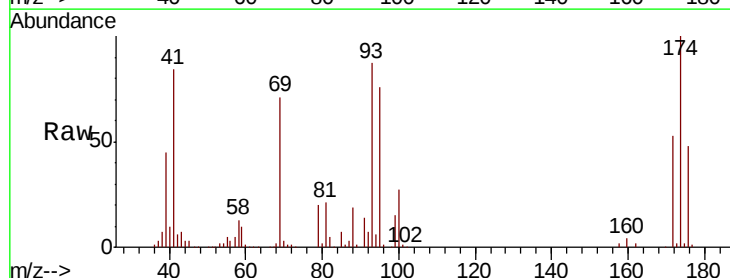
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

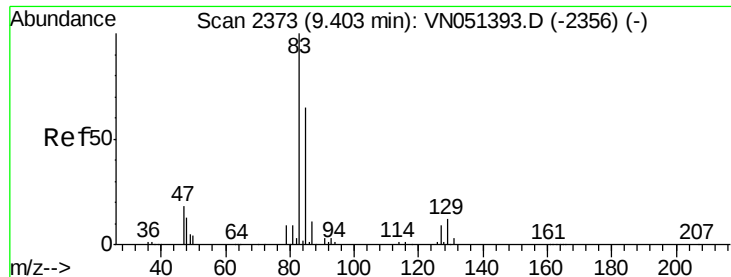
Tgt Ion: 63 Resp: 367968
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3



#46
 Dibromomethane
 Concen: 48.584 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 93 Resp: 205798
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.6 101.4
 174 112.0 89.6 134.4





#47

Bromodichloromethane

Concen: 48.905 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

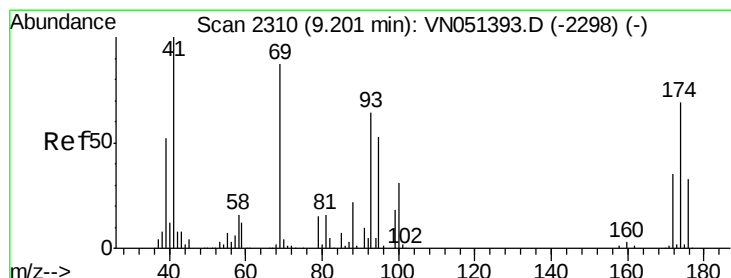
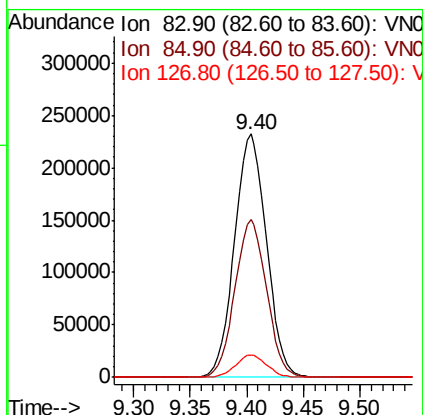
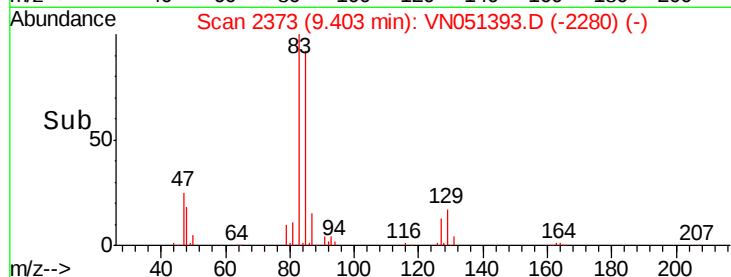
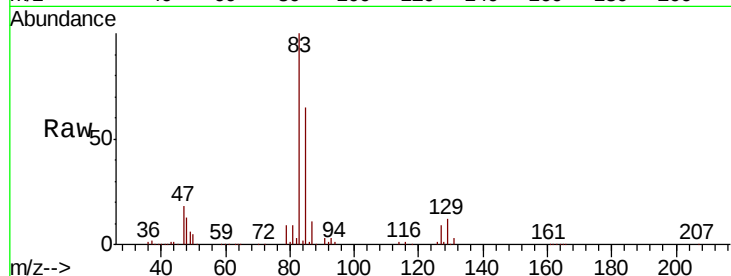
Tgt Ion: 83 Resp: 458429

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

127 9.3 7.4 11.2



#48

Methyl methacrylate

Concen: 48.423 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

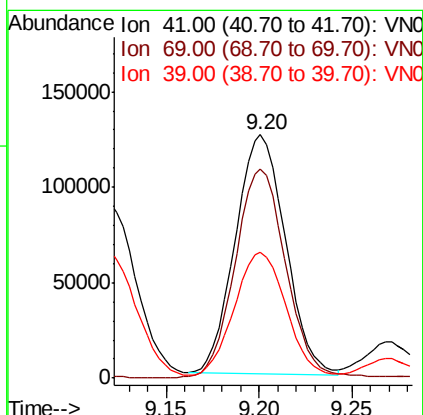
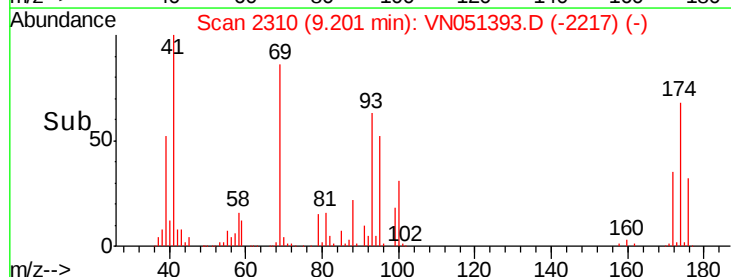
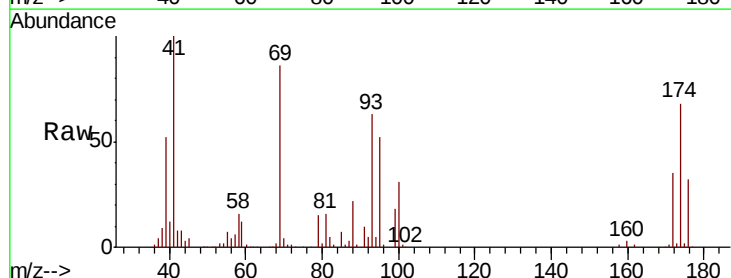
Tgt Ion: 41 Resp: 235759

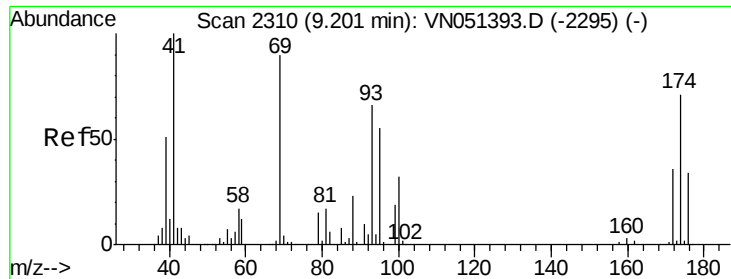
Ion Ratio Lower Upper

41 100

69 88.0 70.4 105.6

39 54.8 43.8 65.8





#49

1,4-Dioxane

Concen: 978.612 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

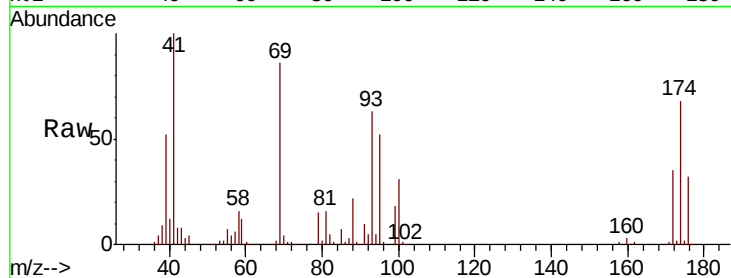
Tgt Ion: 88 Resp: 58393

Ion Ratio Lower Upper

88 100

43 32.4 25.9 38.9

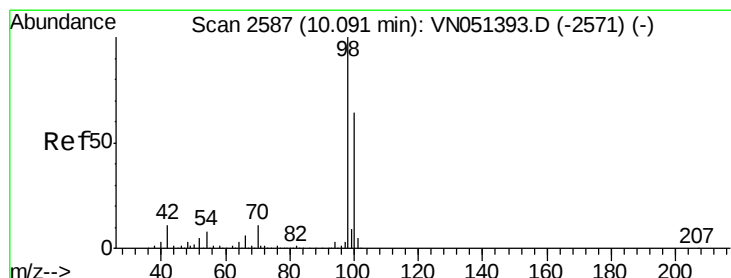
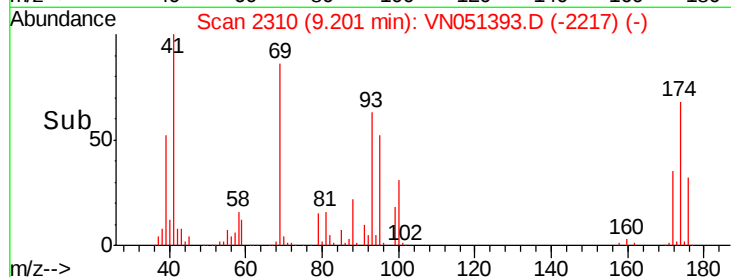
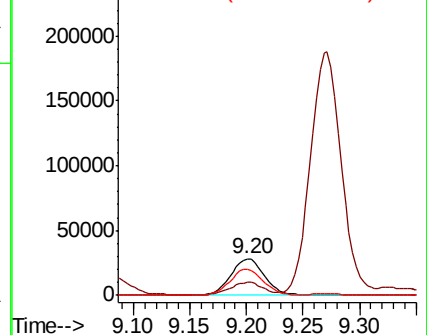
58 71.2 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)



#50

Toluene-d8

Concen: 47.602 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051393.D

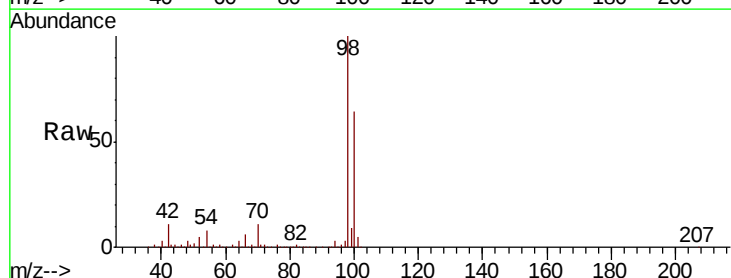
Acq: 22 Sep 2018 13:07

Tgt Ion: 98 Resp: 1162636

Ion Ratio Lower Upper

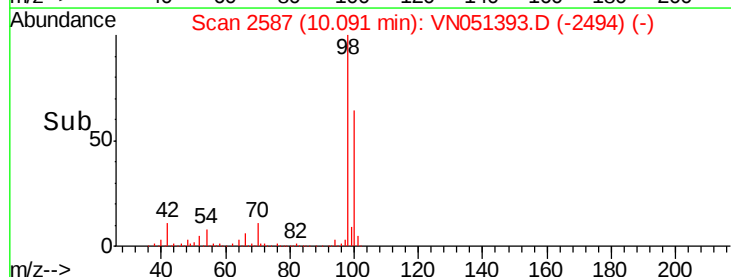
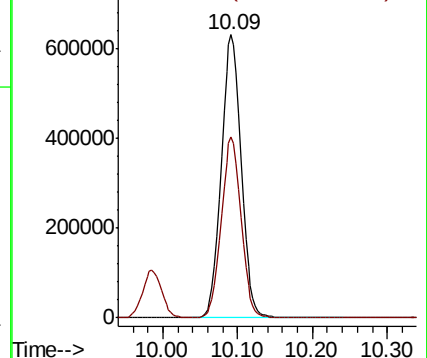
98 100

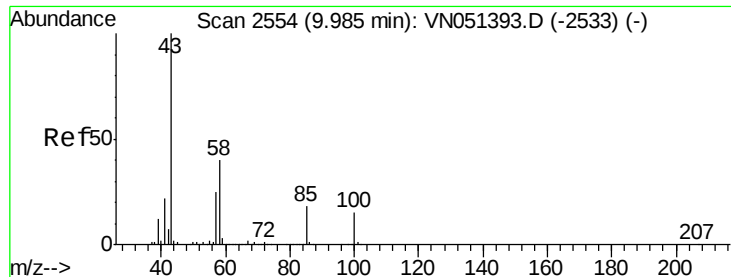
100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

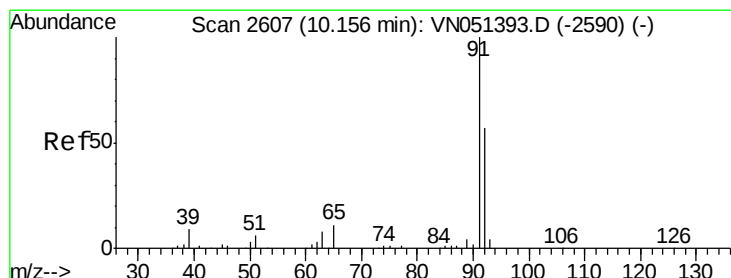
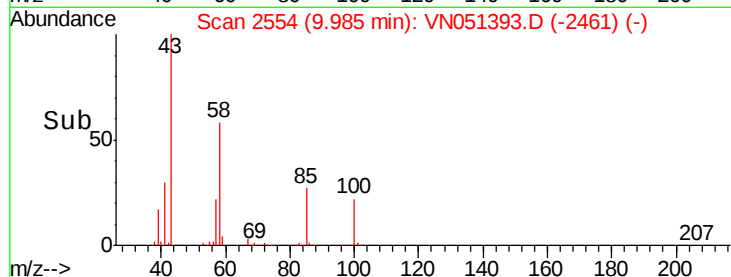
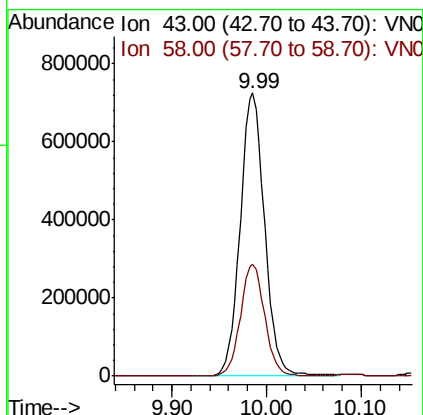
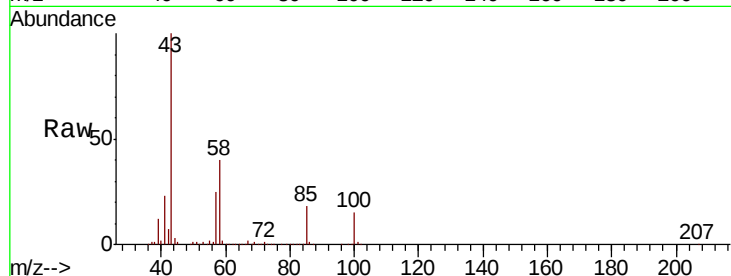




#51
 4-Methyl-2-Pentanone
 Concen: 241.489 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

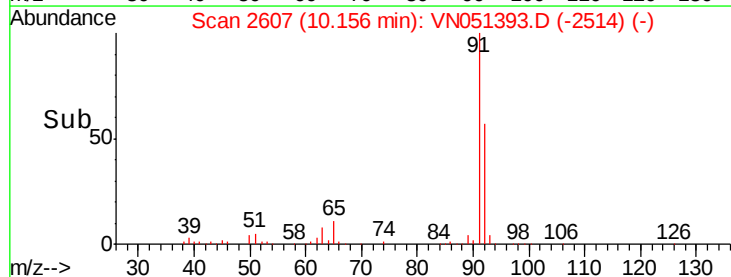
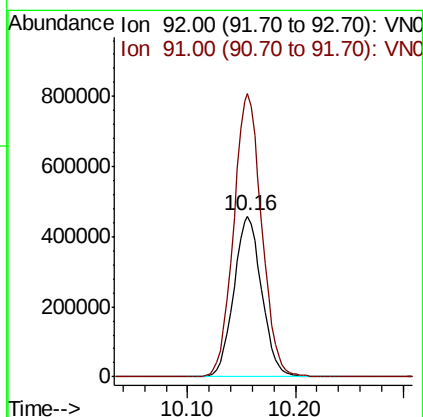
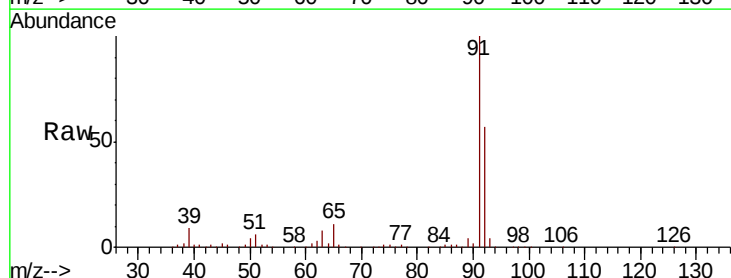
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

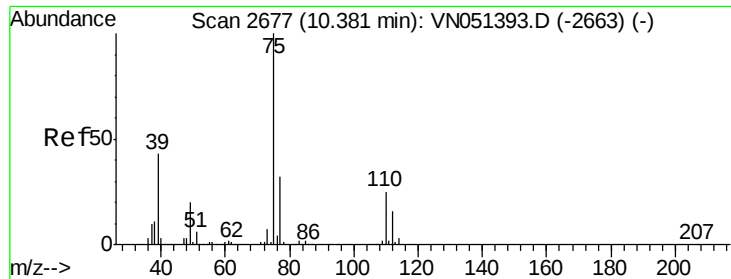
Tgt Ion: 43 Resp: 1296958
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3



#52
 Toluene
 Concen: 48.215 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 92 Resp: 826383
 Ion Ratio Lower Upper
 92 100
 91 177.8 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 48.009 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

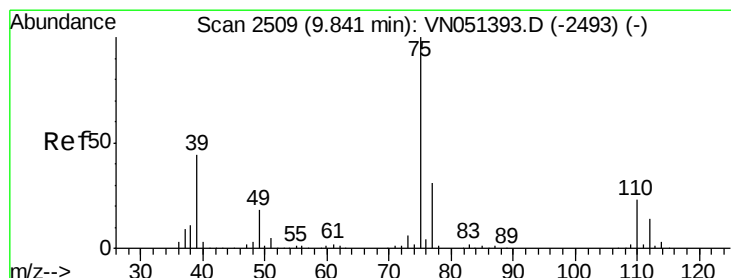
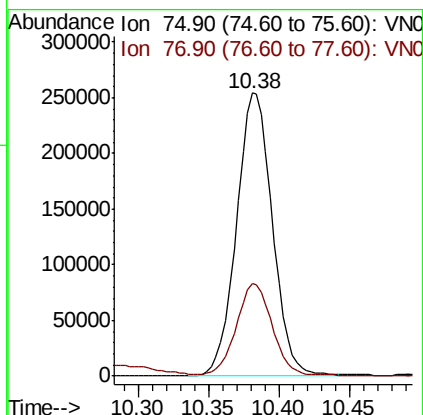
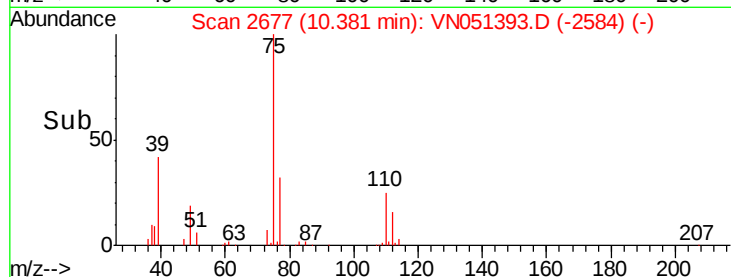
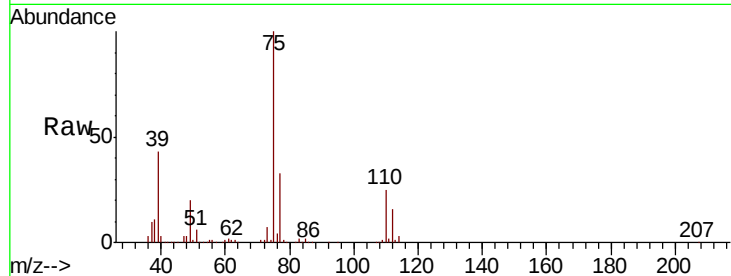
VSTDICCC050

Tgt Ion: 75 Resp: 454345

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 48.729 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

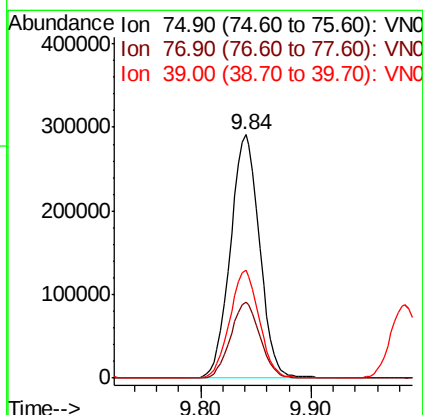
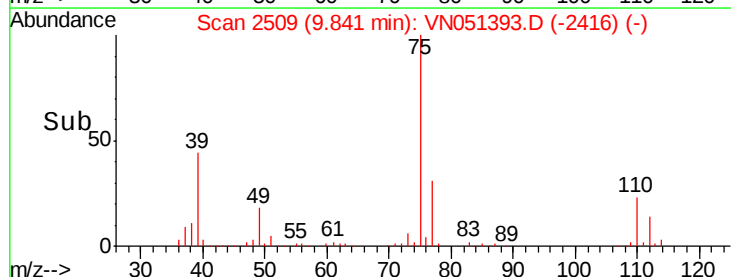
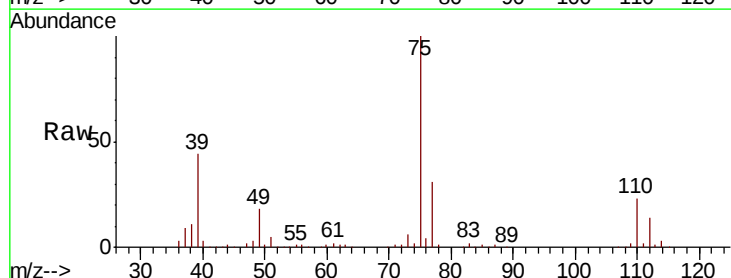
Tgt Ion: 75 Resp: 534801

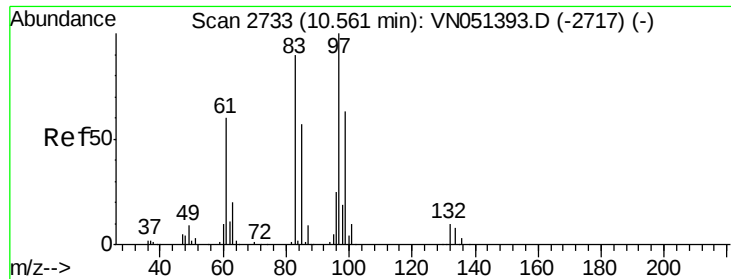
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 44.3 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 49.003 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 296825

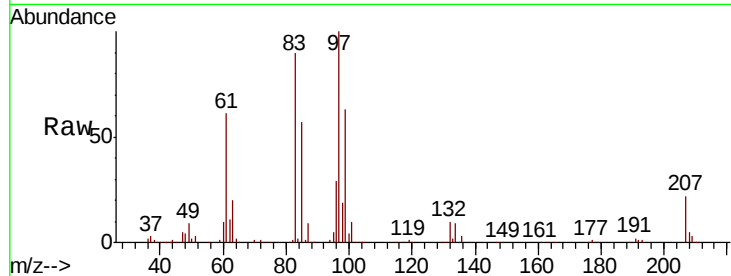
Ion Ratio Lower Upper

97 100

83 90.0 72.0 108.0

85 56.5 45.2 67.8

99 63.4 50.7 76.1



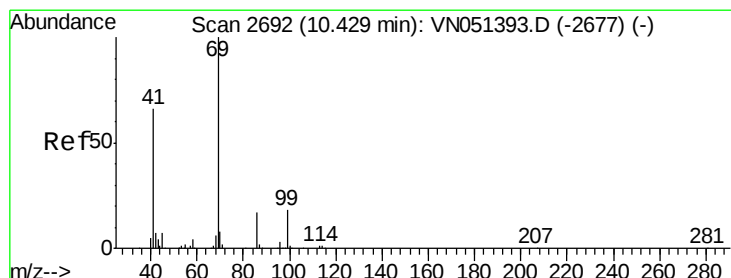
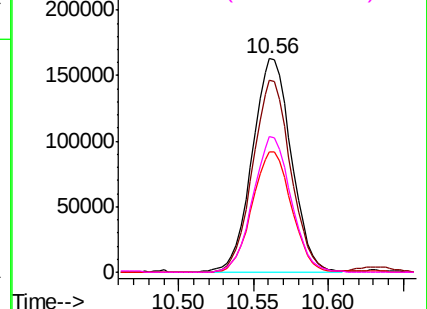
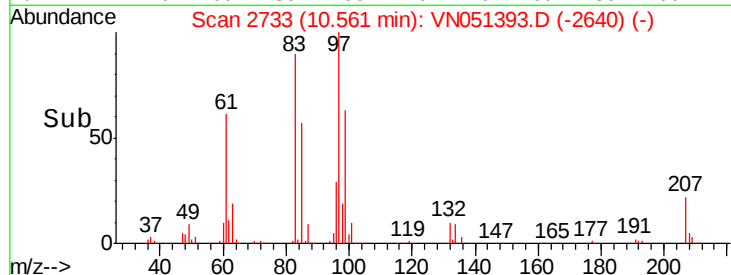
Abundance

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: 49.578 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

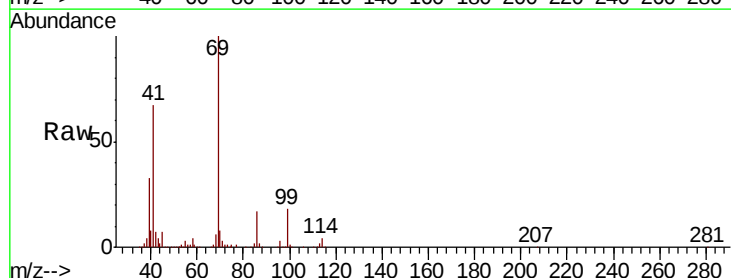
Tgt Ion: 69 Resp: 367166

Ion Ratio Lower Upper

69 100

41 65.5 52.4 78.6

39 32.9 26.3 39.5

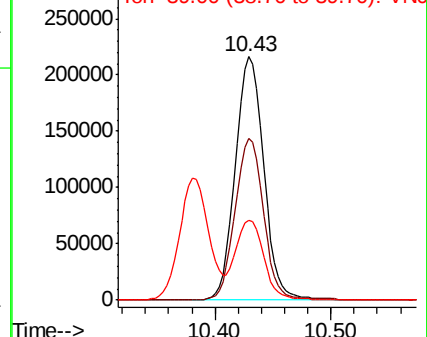
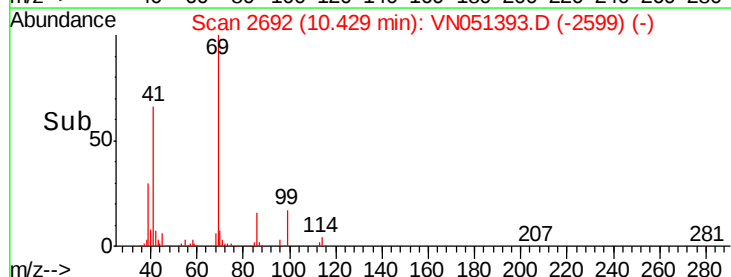


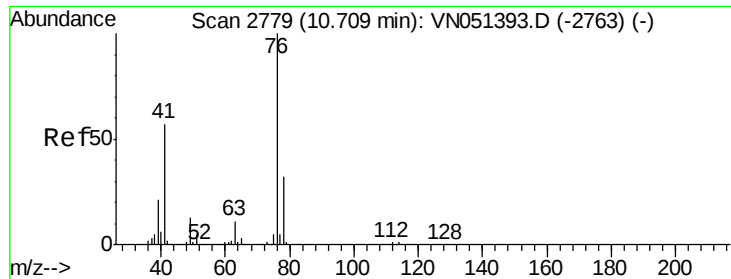
Abundance

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

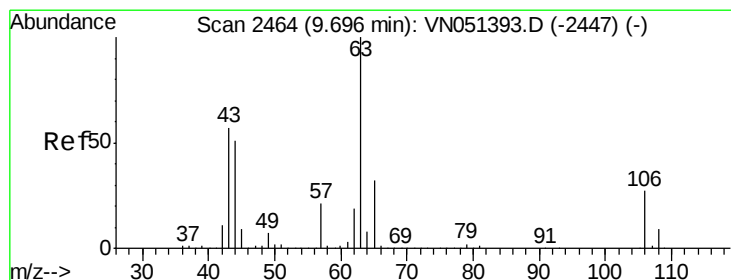
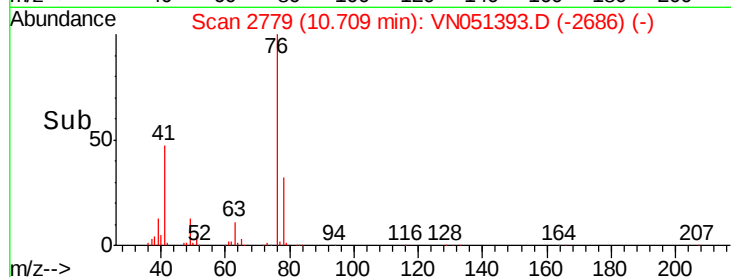
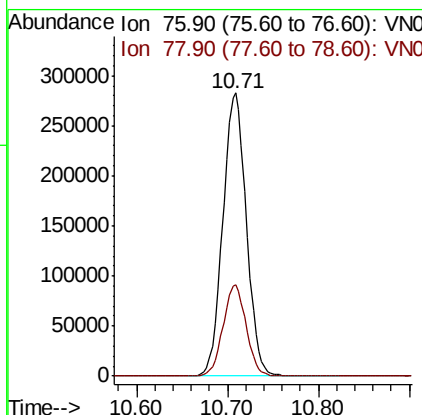
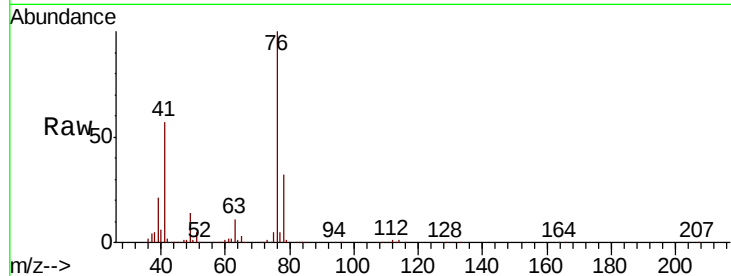




#57
 1,3-Dichloropropane
 Concen: 48.862 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

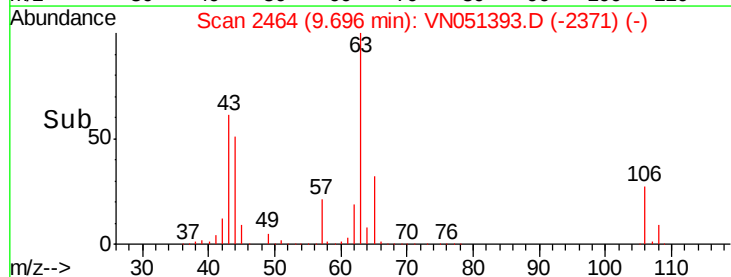
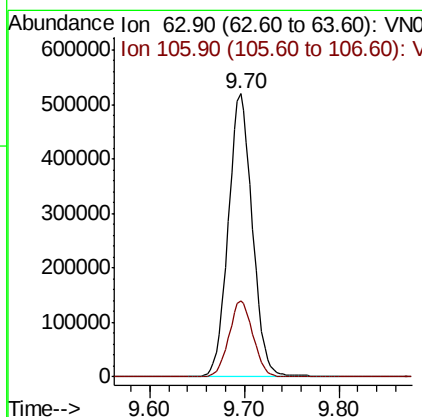
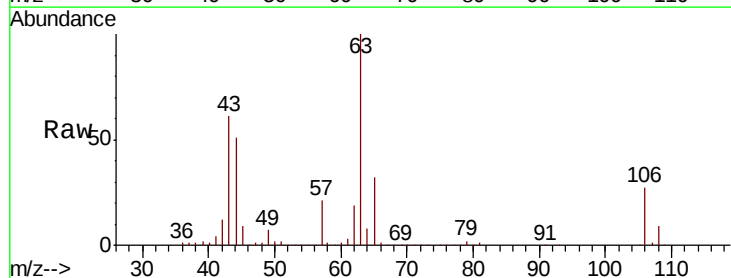
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

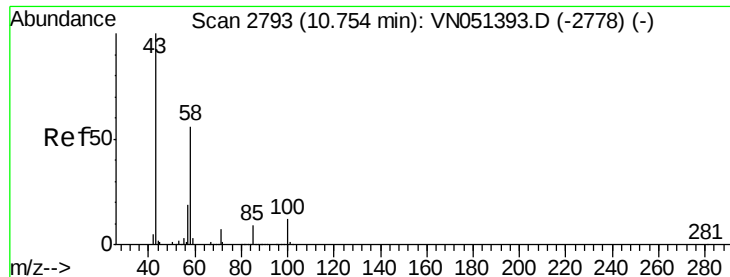
Tgt Ion: 76 Resp: 507300
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.240 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 63 Resp: 920112
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.4 32.2

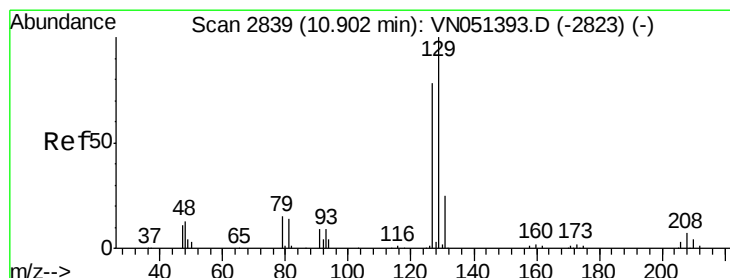
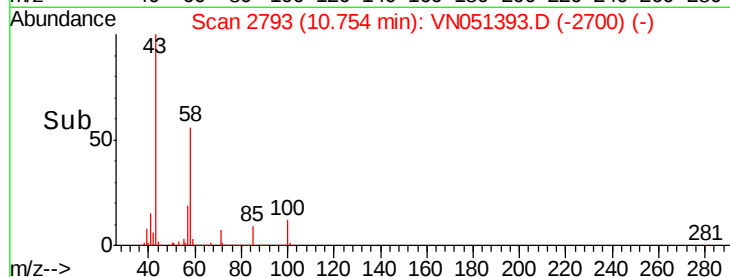
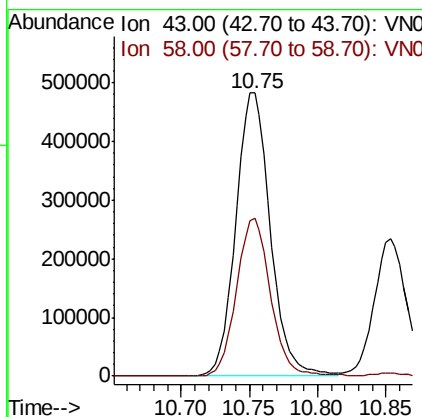
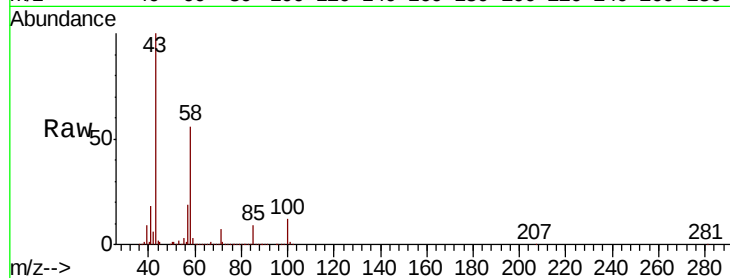




#59
2-Hexanone
Concen: 242.837 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

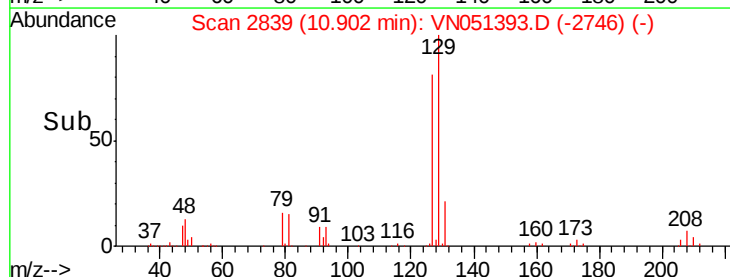
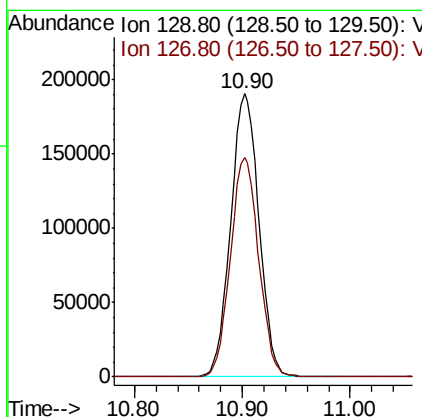
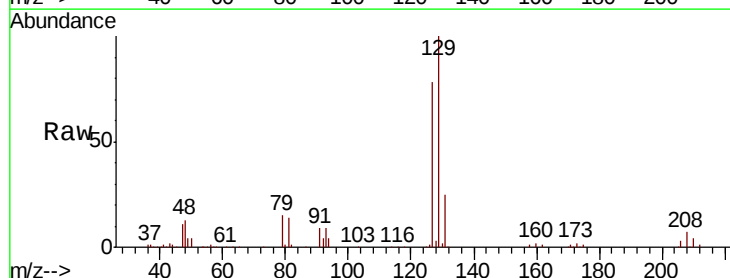
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

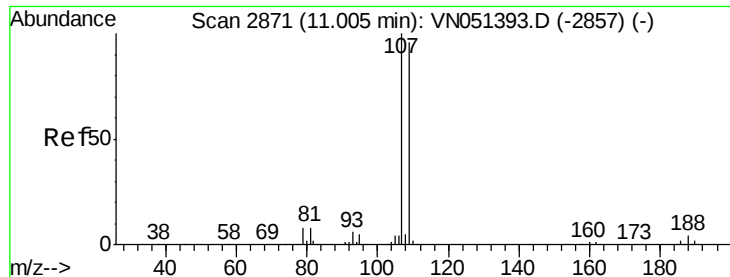
Tgt Ion: 43 Resp: 845462
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0



#60
Dibromochloromethane
Concen: 48.819 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 129 Resp: 348902
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.662 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

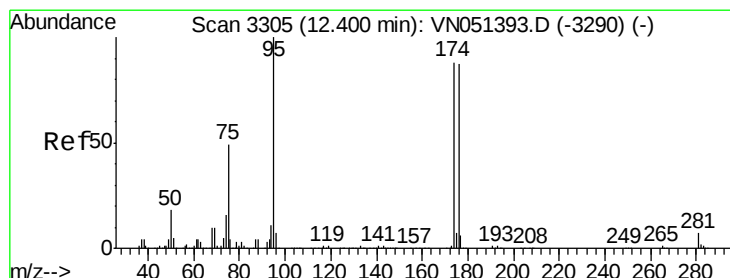
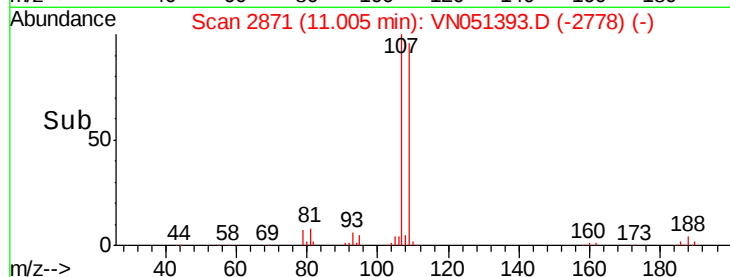
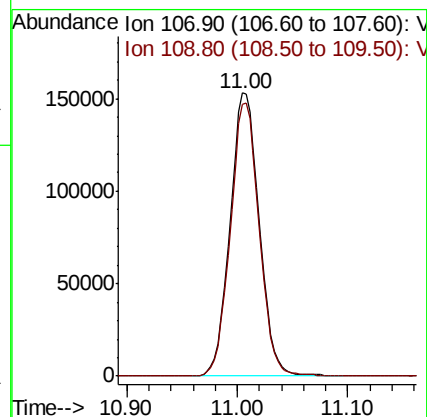
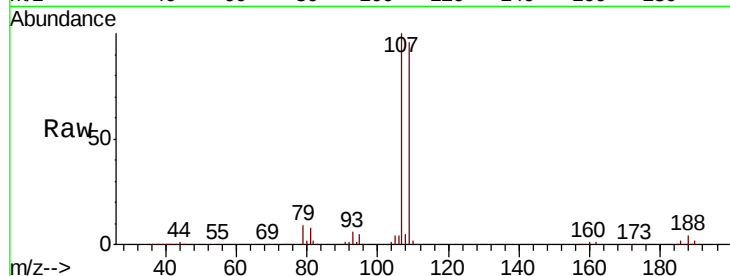
VSTDICCC050

Tgt Ion: 107 Resp: 280263

Ion Ratio Lower Upper

107 100

109 95.4 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 47.644 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

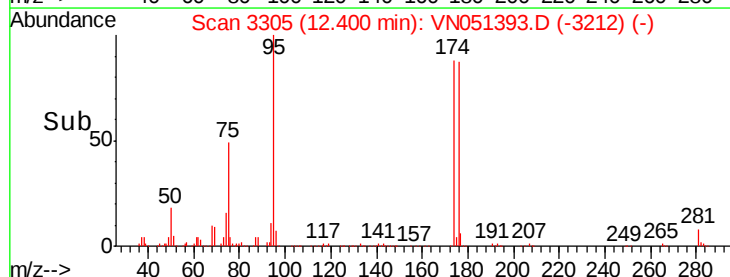
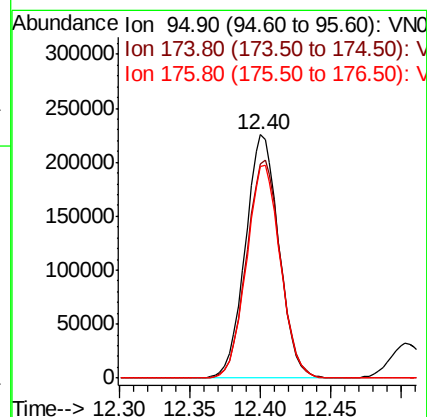
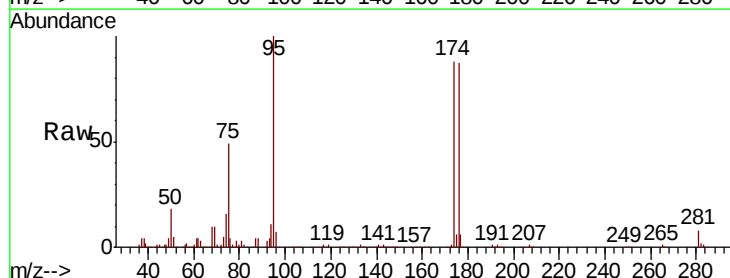
Tgt Ion: 95 Resp: 376438

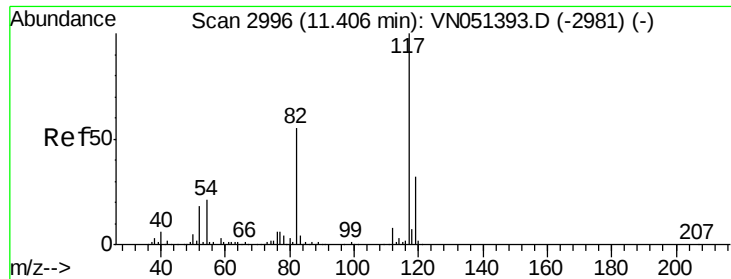
Ion Ratio Lower Upper

95 100

174 90.8 0.0 181.6

176 88.2 0.0 176.4

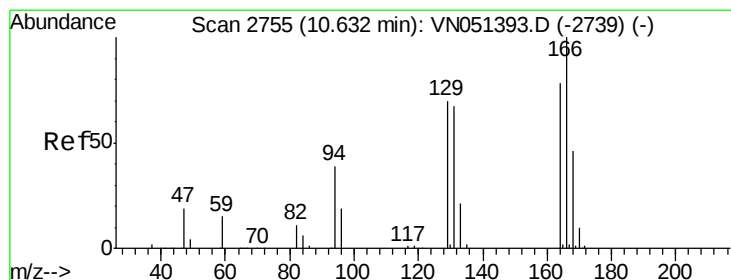
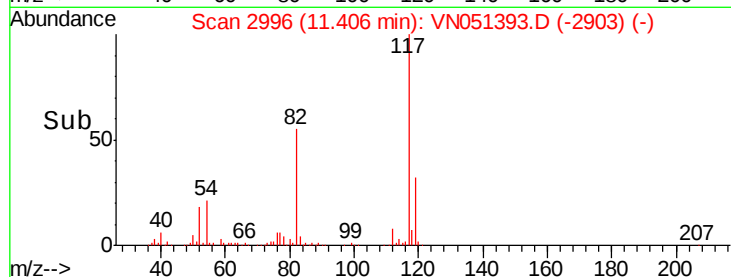
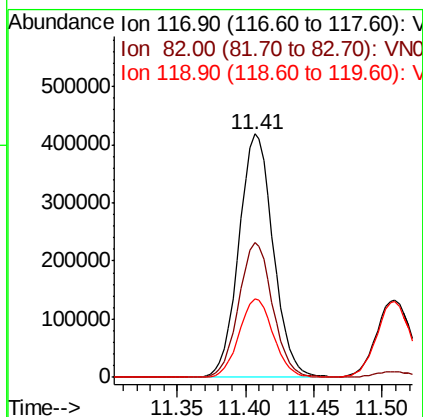
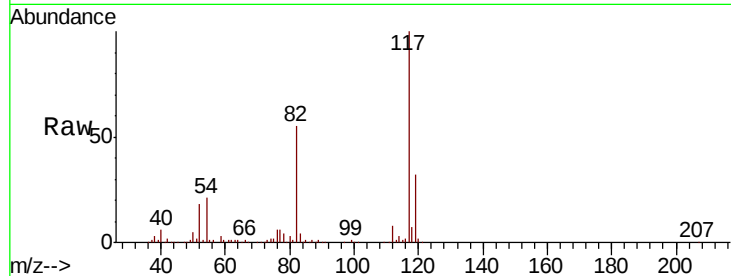




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

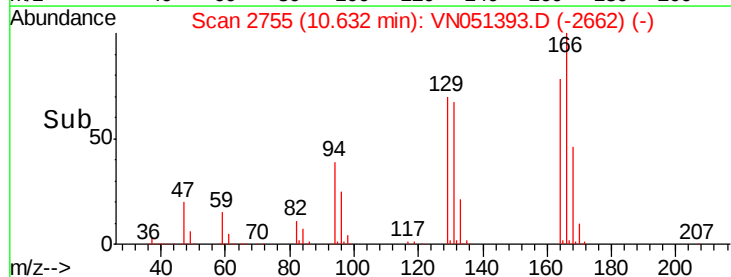
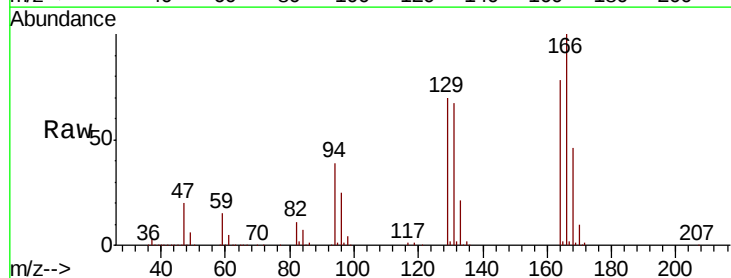
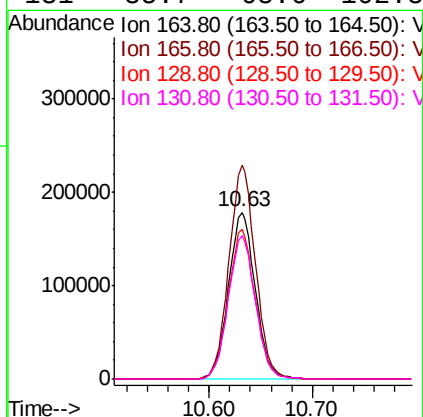
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

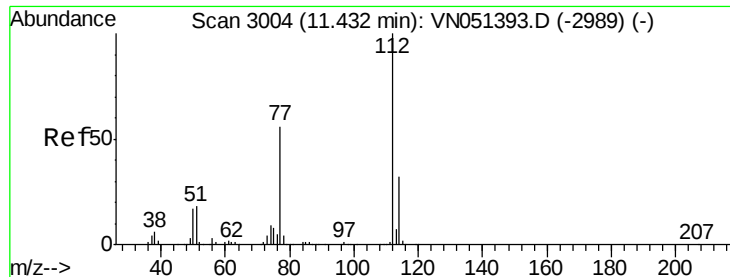
Tgt Ion:117 Resp: 731056
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 48.698 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion:164 Resp: 323096
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 89.8 71.8 107.8
131 85.7 68.6 102.8

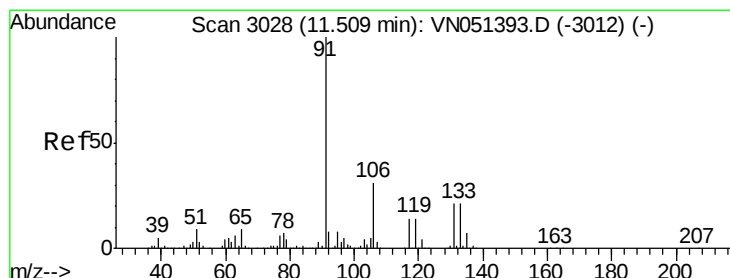
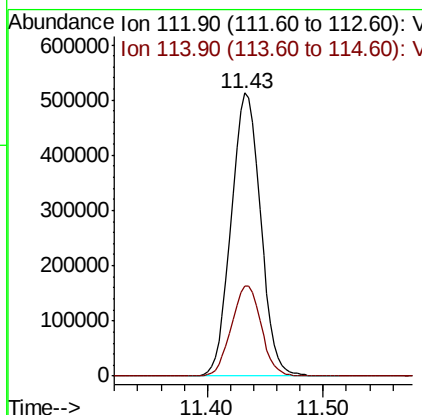
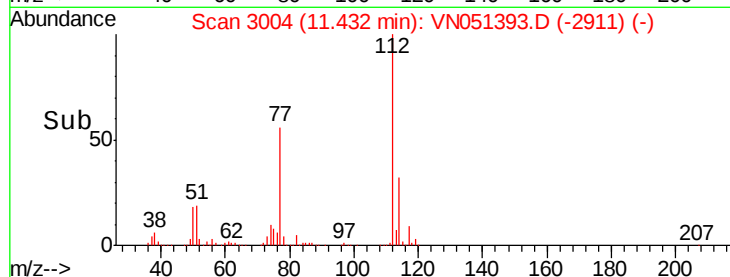
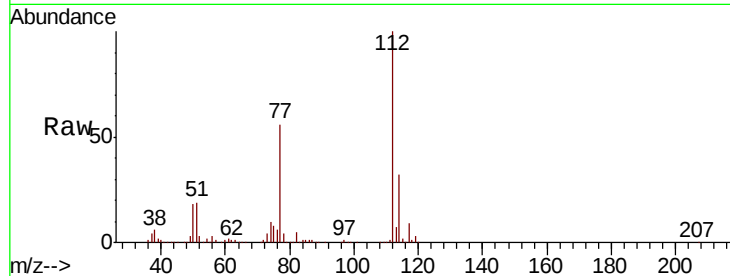




#65
Chlorobenzene
Concen: 47.923 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

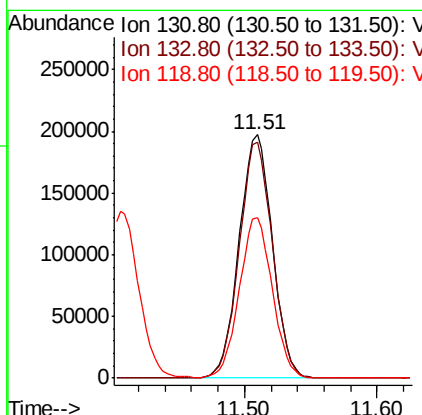
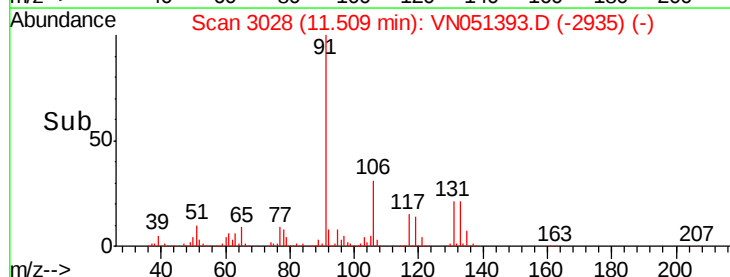
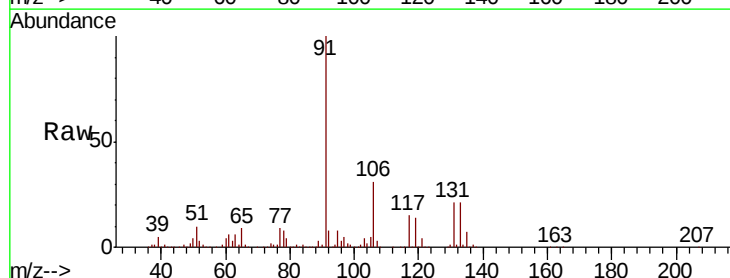
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

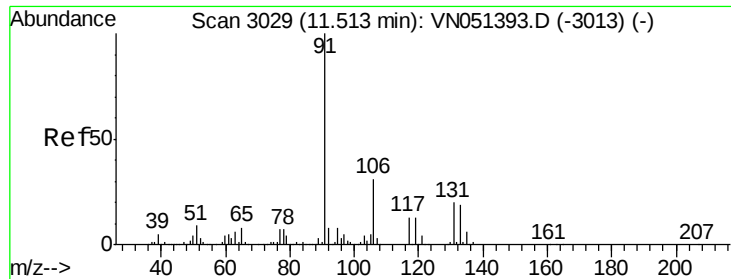
Tgt Ion:112 Resp: 898868
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.034 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion:131 Resp: 343254
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 65.6 32.8 98.4

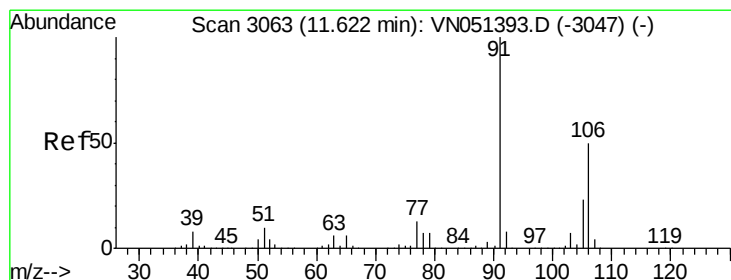
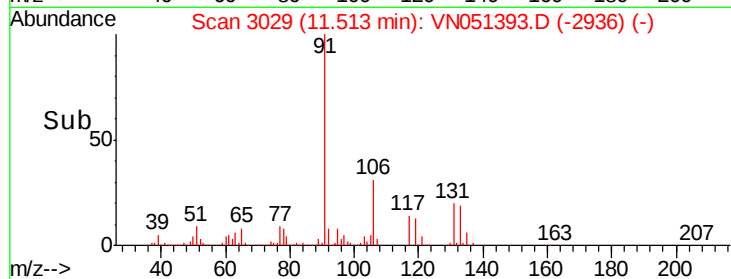
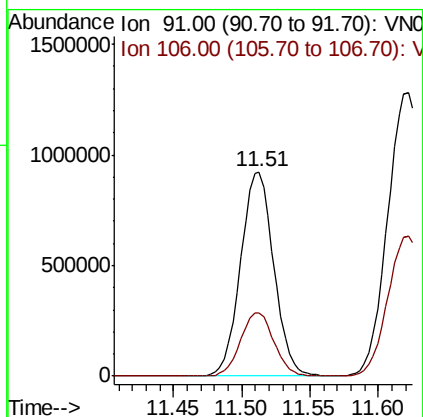
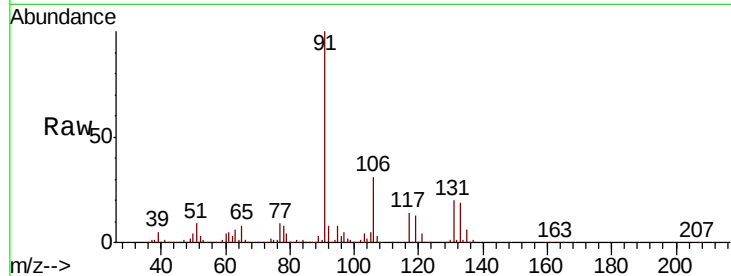




#67
Ethyl Benzene
Concen: 49.325 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

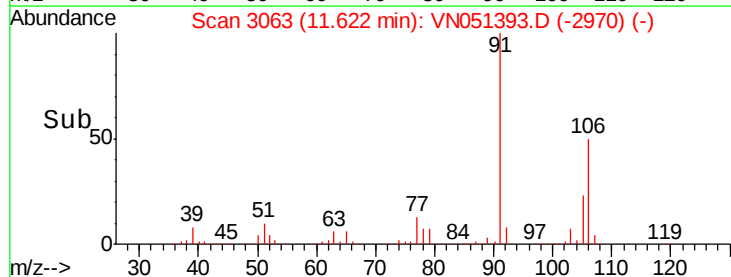
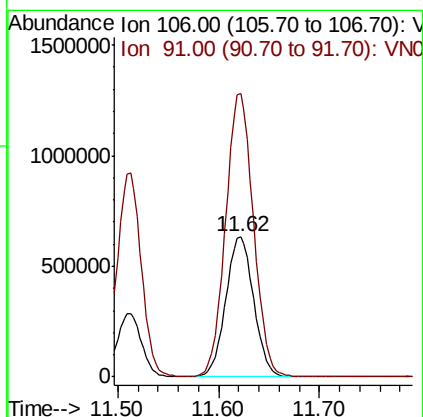
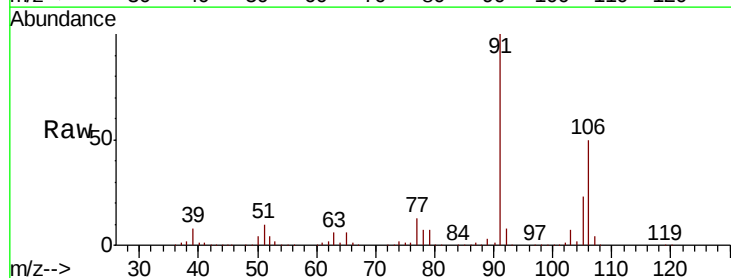
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

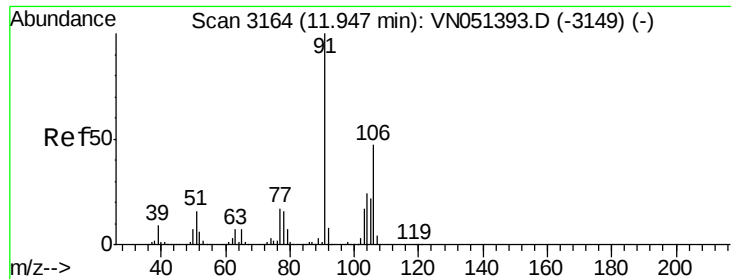
Tgt Ion: 91 Resp: 1559168
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 99.972 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 106 Resp: 1222349
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9

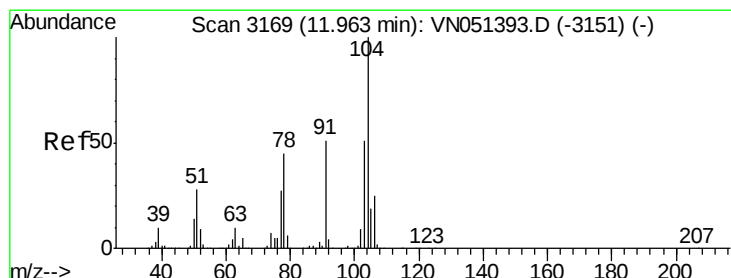
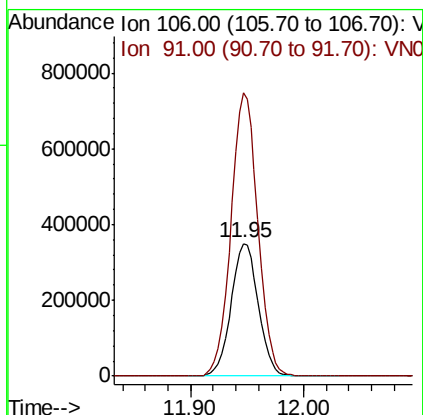
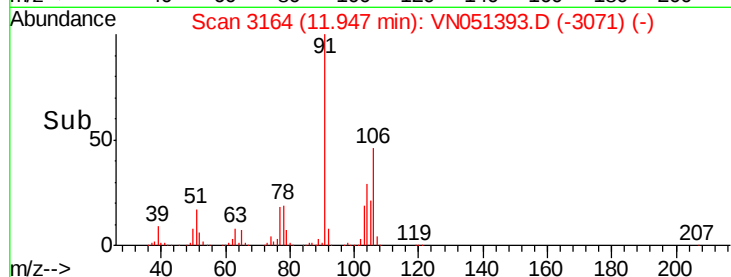
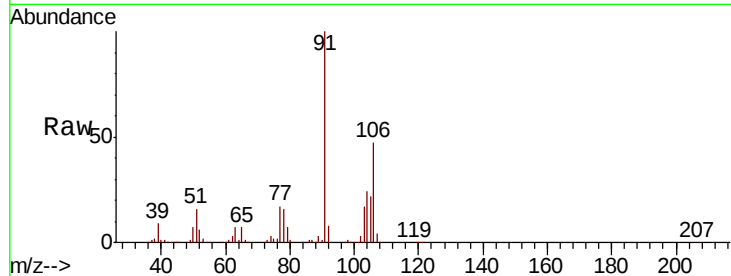




#69
o-Xylene
Concen: 49.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

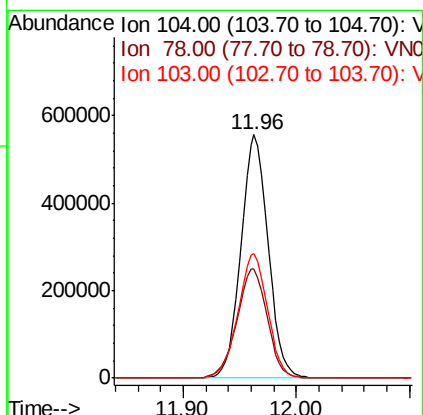
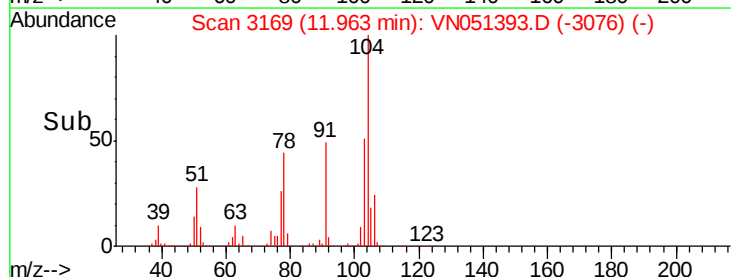
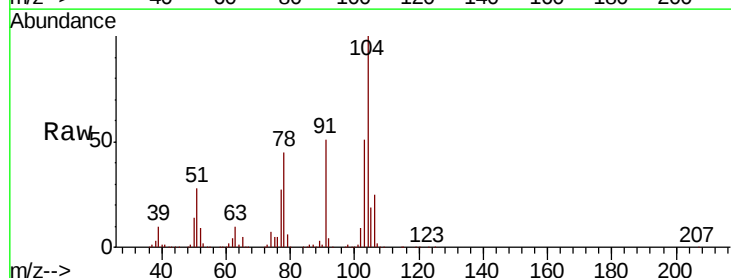
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

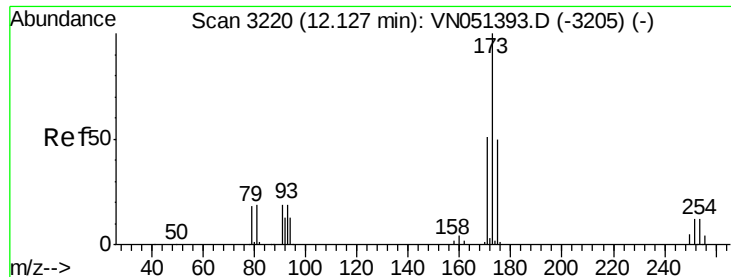
Tgt Ion:106 Resp: 582802
Ion Ratio Lower Upper
106 100
91 210.6 105.3 315.9



#70
Styrene
Concen: 50.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion:104 Resp: 933077
Ion Ratio Lower Upper
104 100
78 49.9 39.9 59.9
103 55.7 44.6 66.8





#71

Bromoform

Concen: 48.119 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

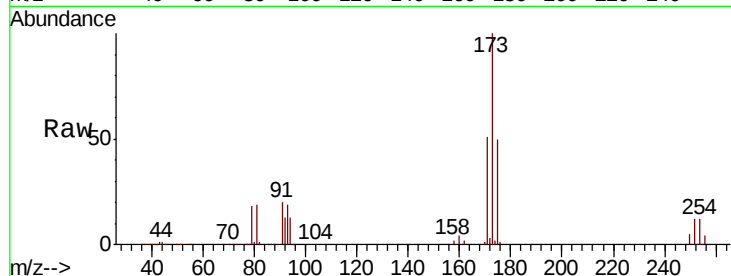
Tgt Ion:173 Resp: 233325

Ion Ratio Lower Upper

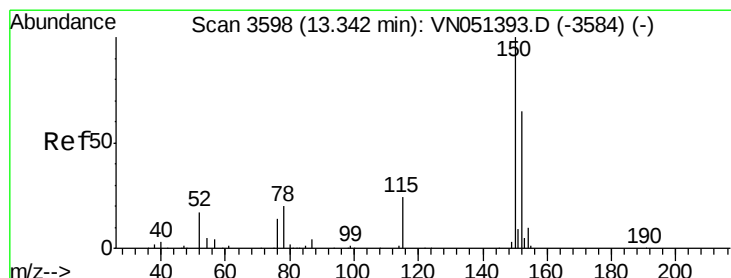
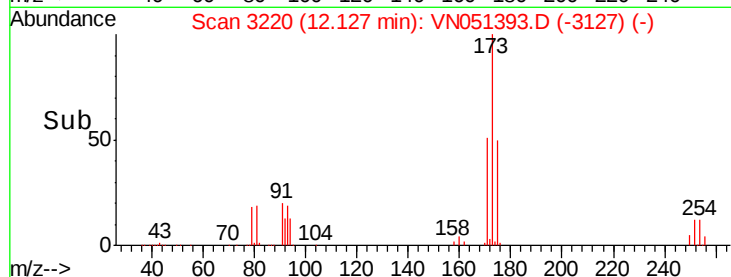
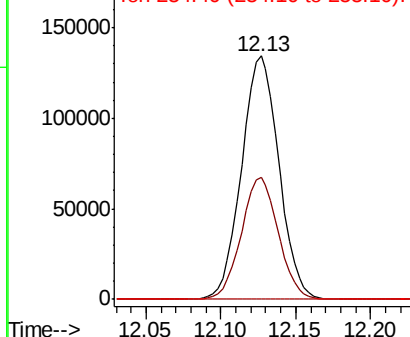
173 100

175 49.5 24.8 74.3

254 0.2 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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

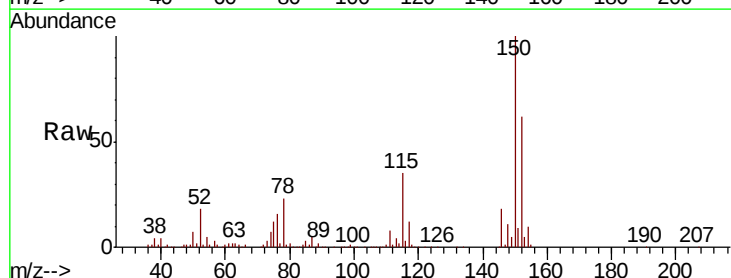
Tgt Ion:152 Resp: 384057

Ion Ratio Lower Upper

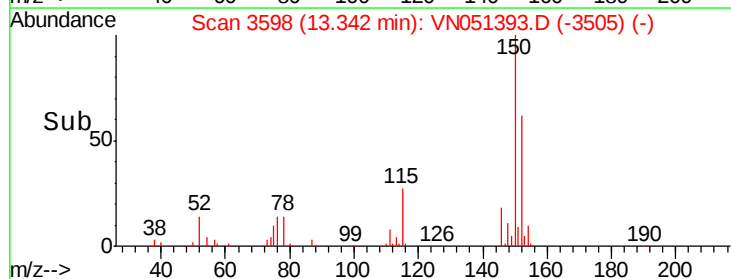
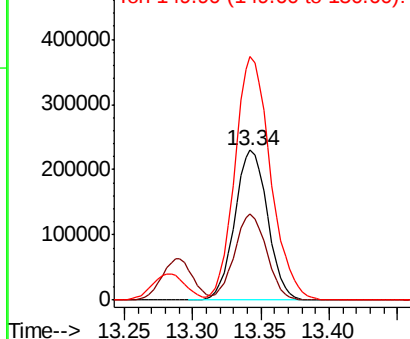
152 100

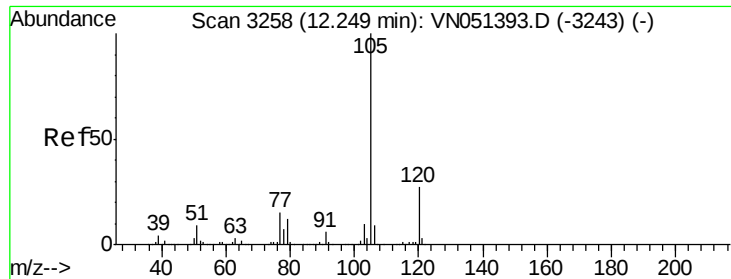
115 56.6 28.3 84.9

150 176.8 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: 48.197 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

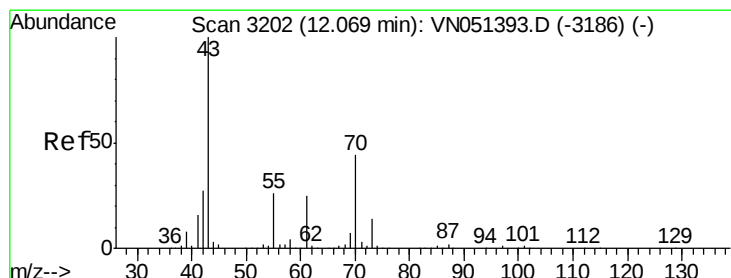
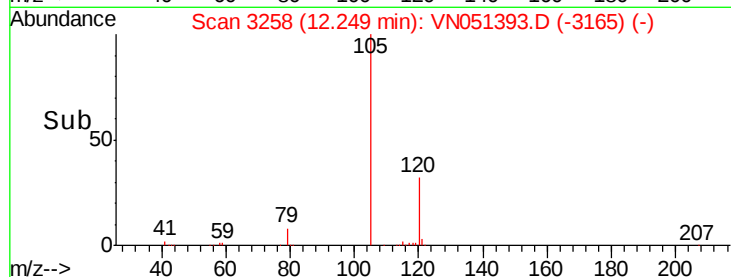
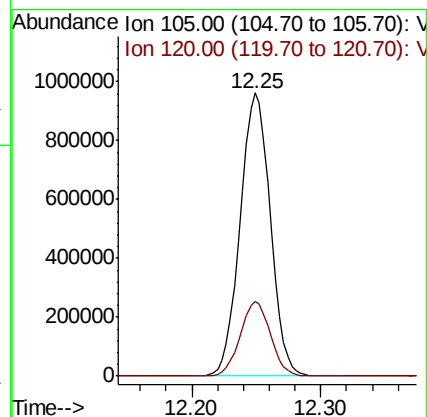
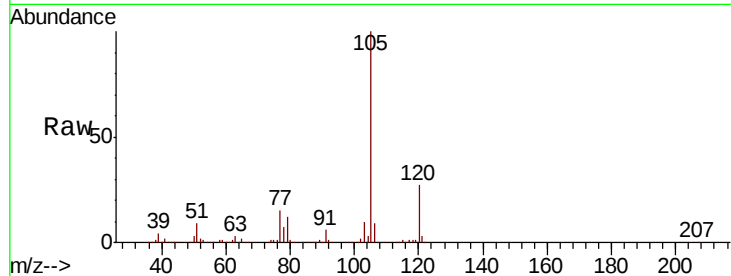
VSTDICCC050

Tgt Ion: 105 Resp: 1561793

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 47.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion: 43 Resp: 387346

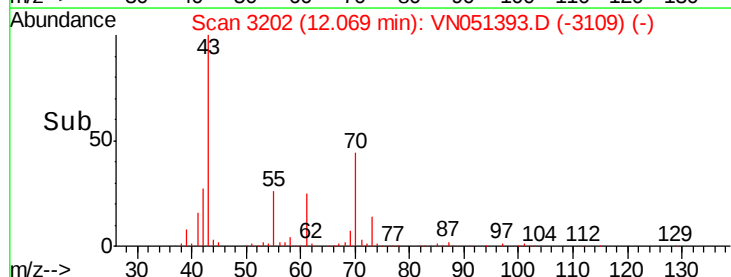
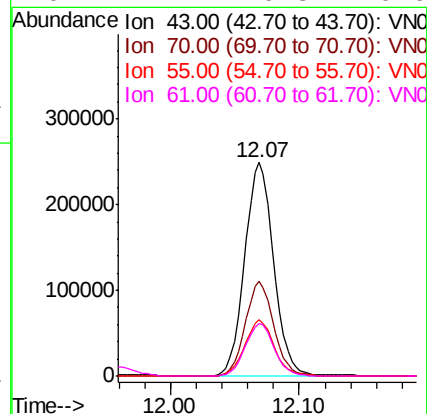
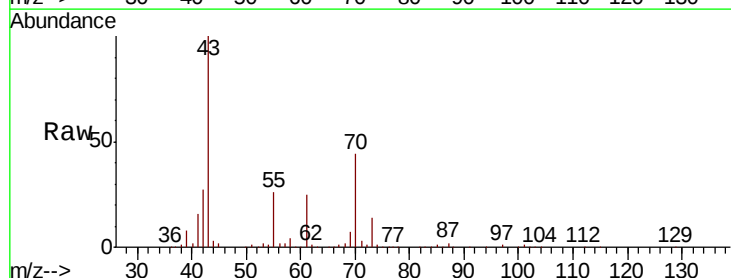
Ion Ratio Lower Upper

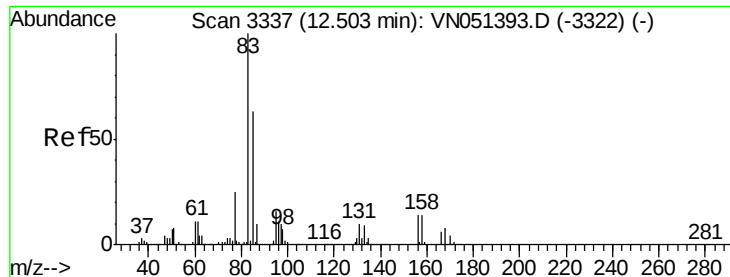
43 100

70 43.7 35.0 52.4

55 26.8 21.4 32.2

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.631 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

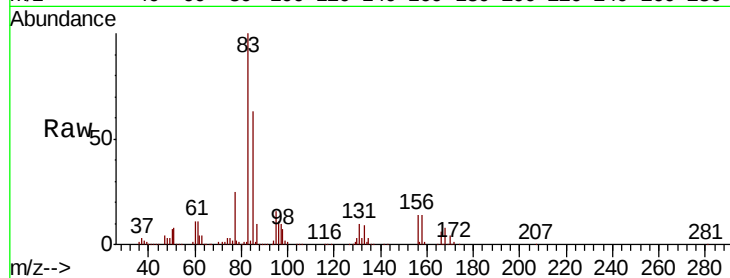
Tgt Ion: 83 Resp: 352360

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

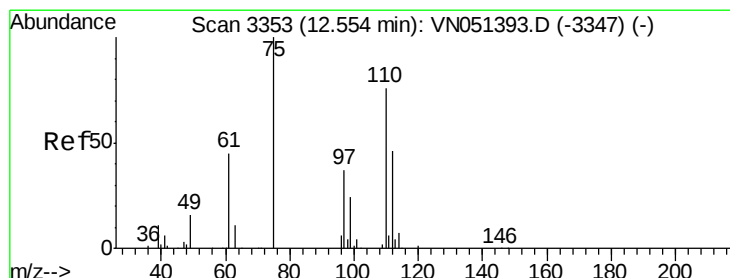
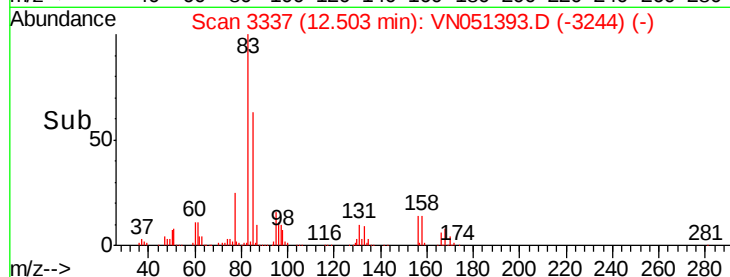
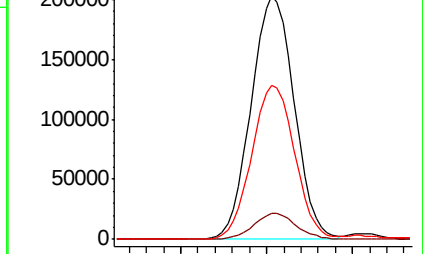
85 63.3 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051393.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 70.286 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051393.D

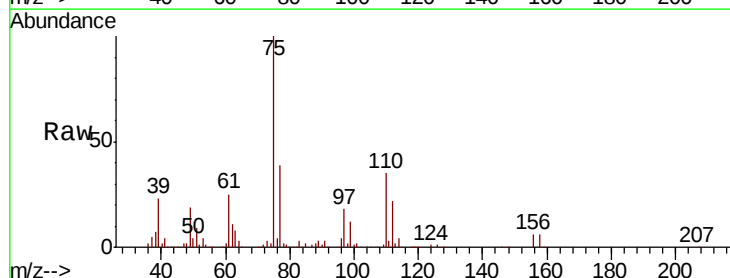
Acq: 22 Sep 2018 13:07

Tgt Ion: 75 Resp: 435439

Ion Ratio Lower Upper

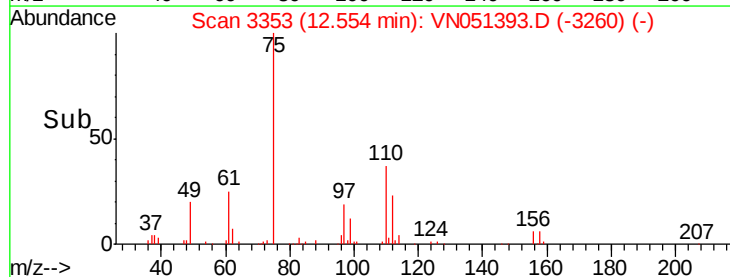
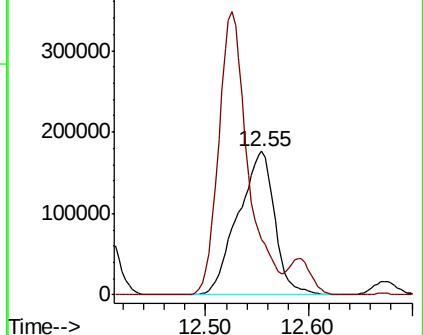
75 100

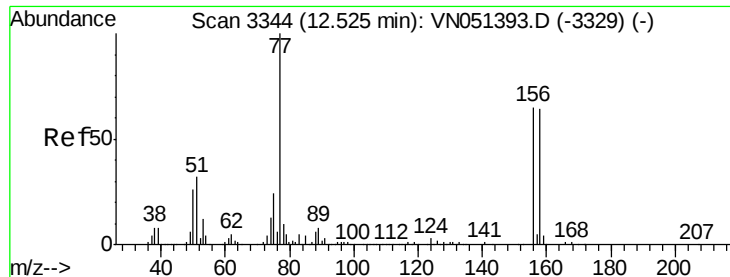
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051393.D (-3353) (-)





#77

Bromobenzene

Concen: 46.787 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

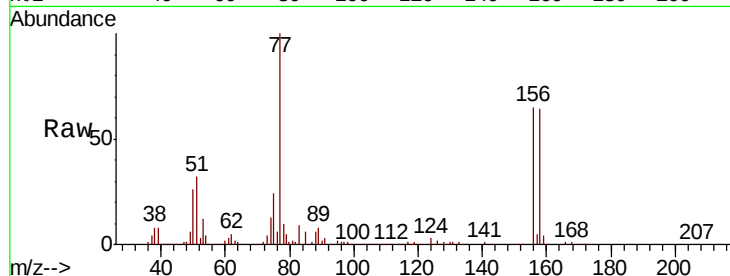
Tgt Ion:156 Resp: 383801

Ion Ratio Lower Upper

156 100

77 178.9 89.5 268.4

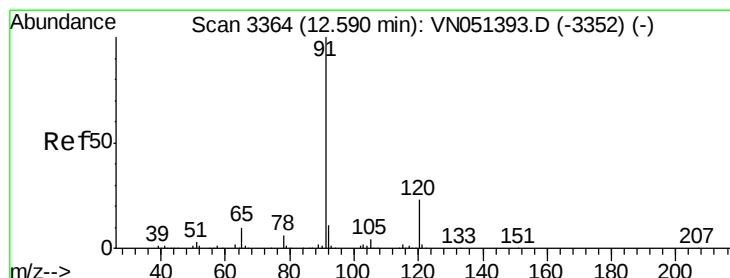
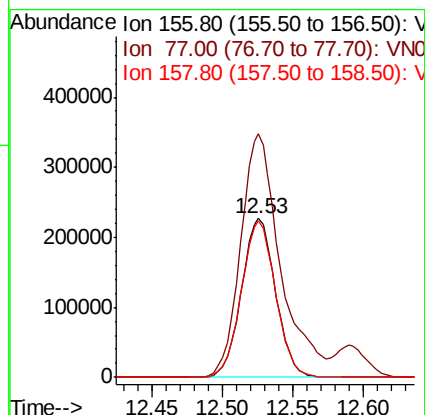
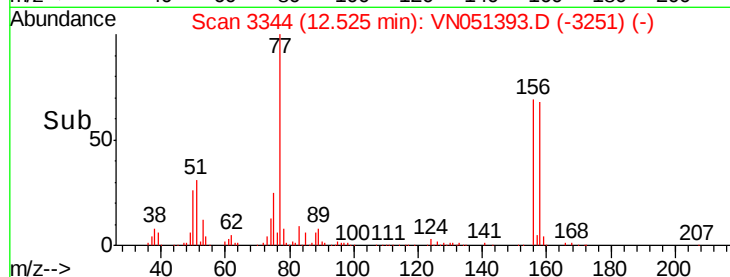
158 98.8 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.698 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051393.D

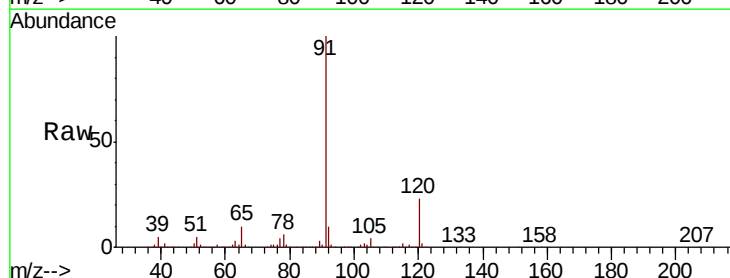
Acq: 22 Sep 2018 13:07

Tgt Ion: 91 Resp: 1778486

Ion Ratio Lower Upper

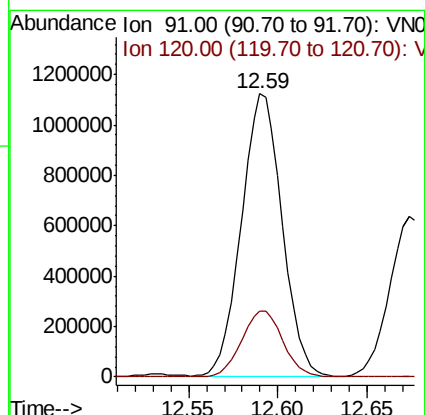
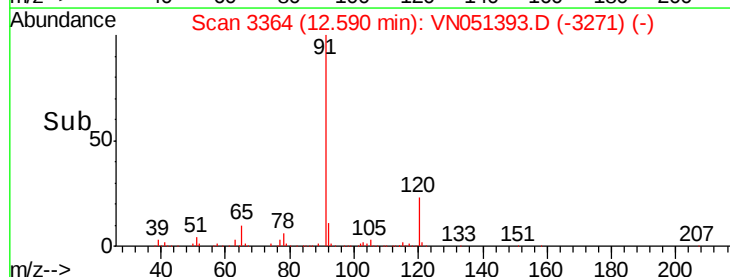
91 100

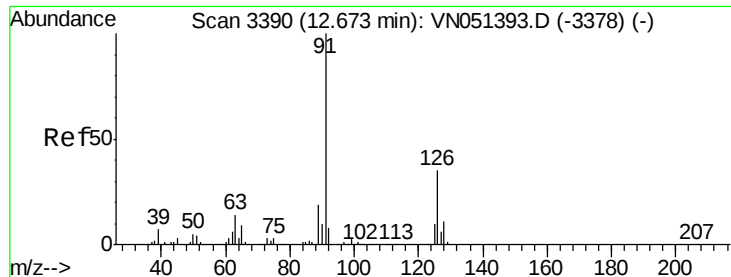
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

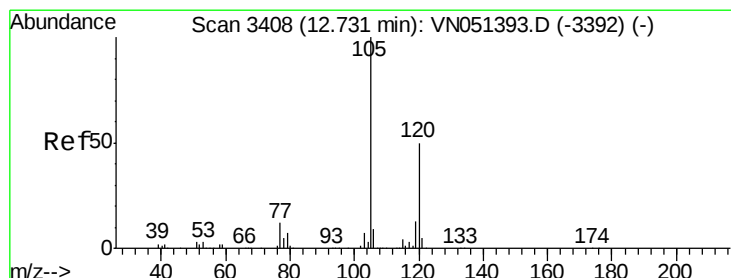
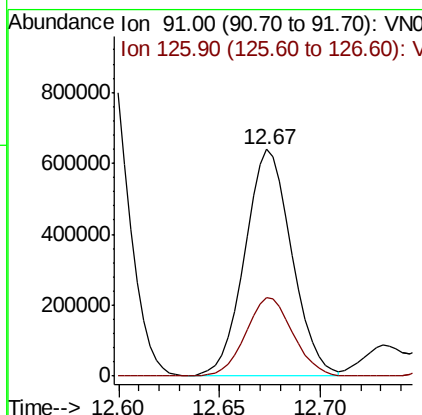
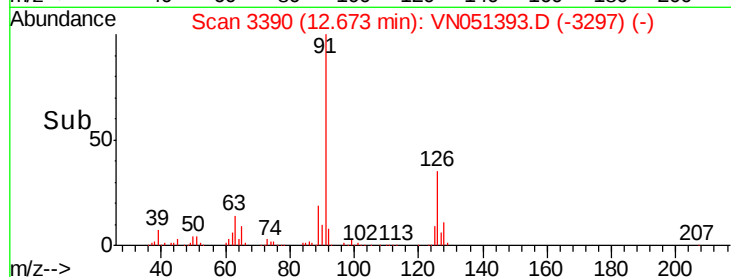
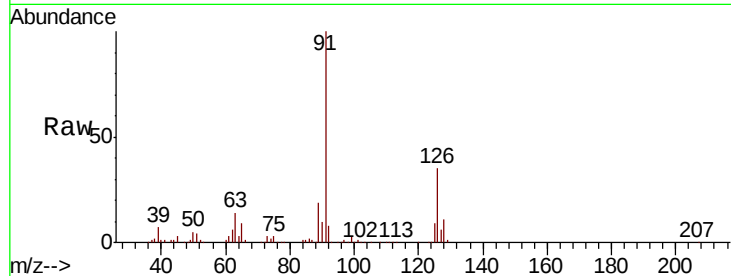




#79
 2-Chlorotoluene
 Concen: 47.421 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

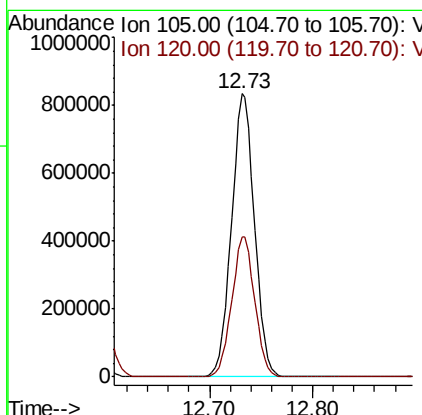
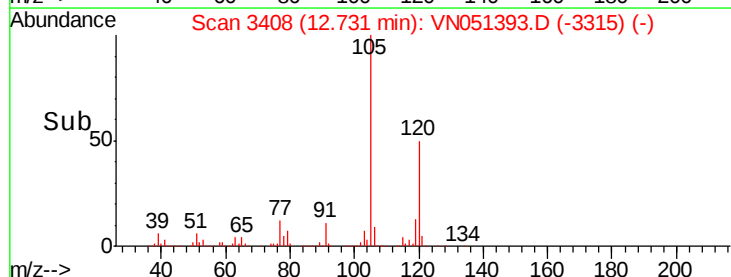
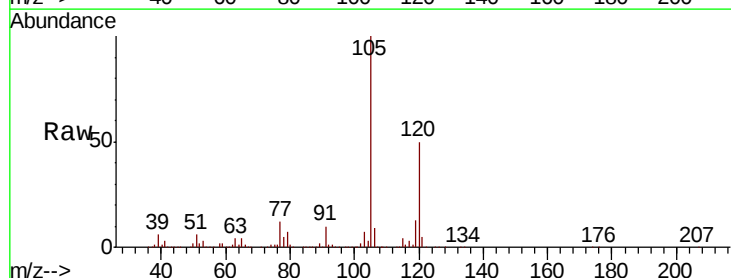
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

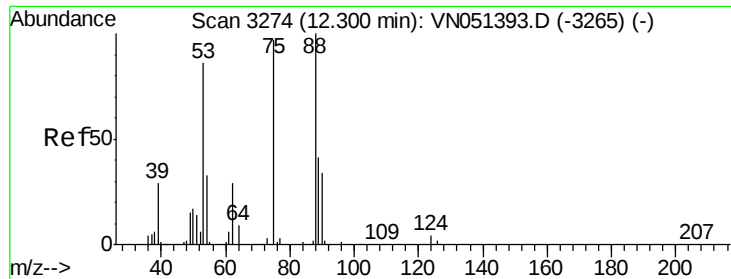
Tgt Ion: 91 Resp: 1036655
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.970 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 105 Resp: 1293932
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.442 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

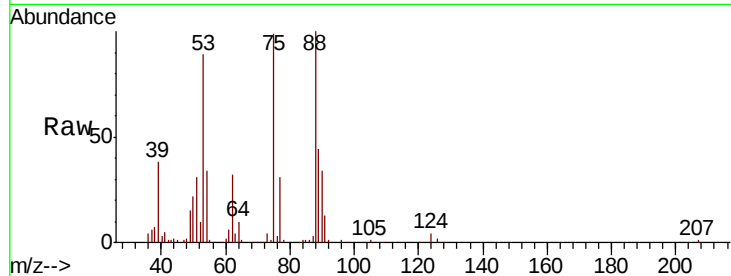
Tgt Ion: 75 Resp: 98366

Ion Ratio Lower Upper

75 100

53 92.4 73.9 110.9

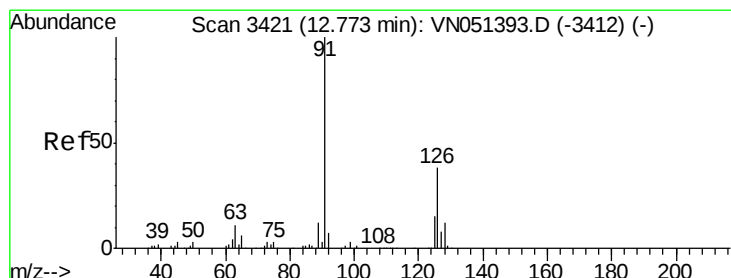
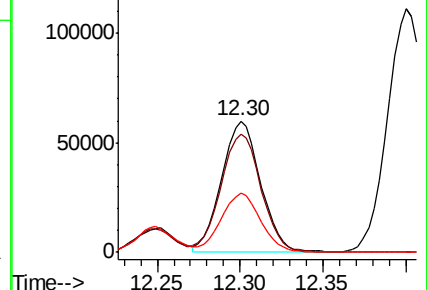
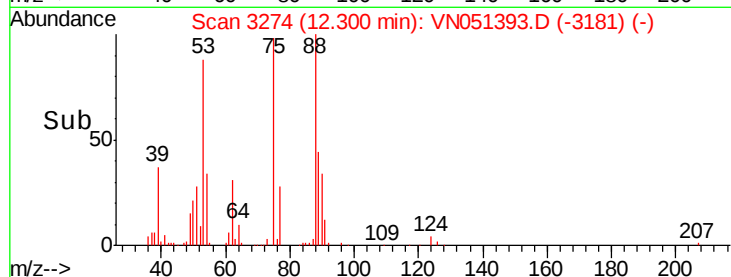
89 45.9 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051393.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN051393.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 47.671 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051393.D

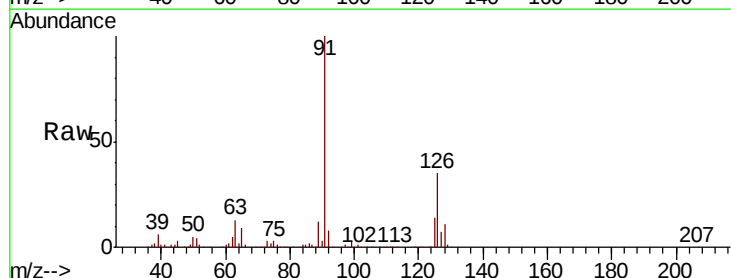
Acq: 22 Sep 2018 13:07

Tgt Ion: 91 Resp: 1040127

Ion Ratio Lower Upper

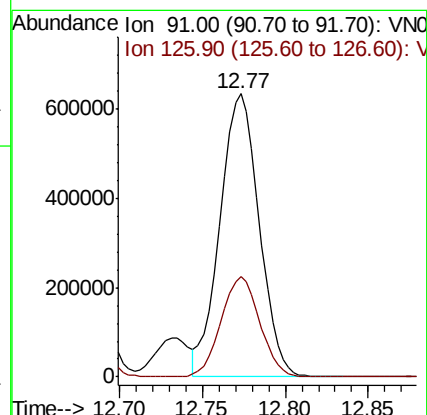
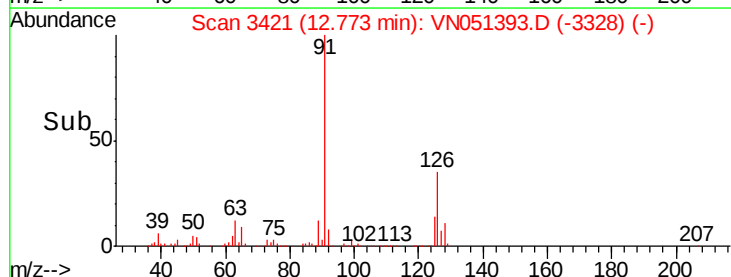
91 100

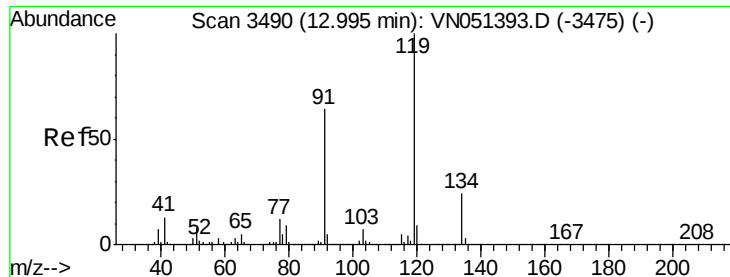
126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051393.D (-3412) (-)

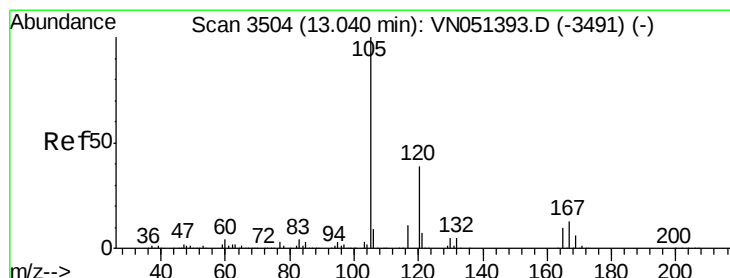
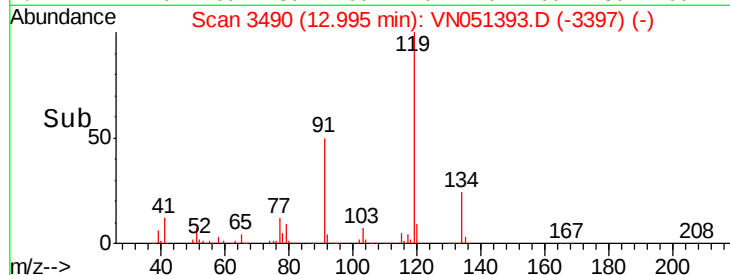
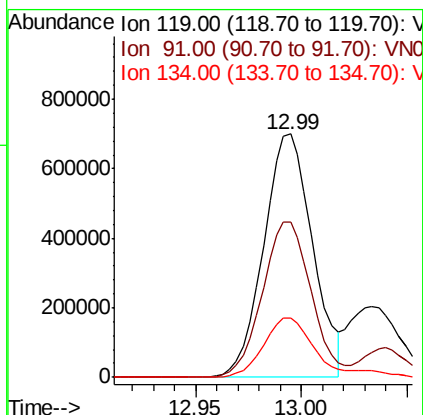
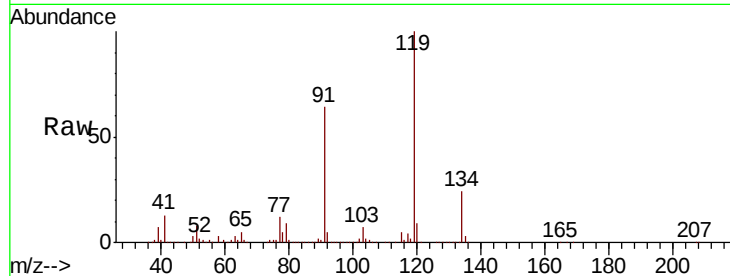




#83
 tert-Butylbenzene
 Concen: 48.075 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

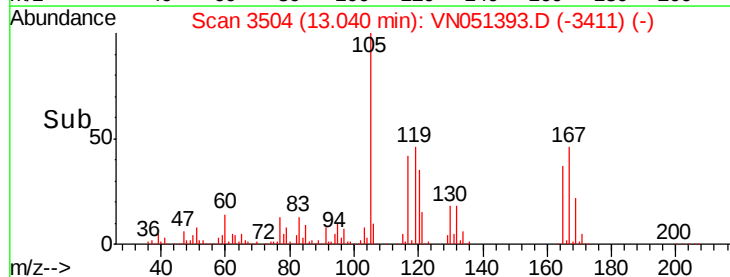
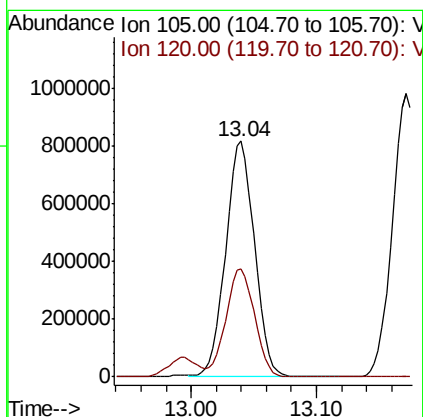
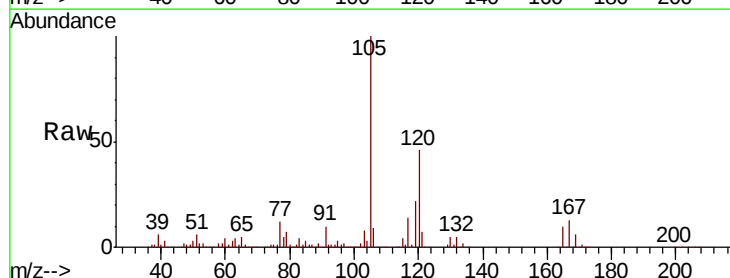
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

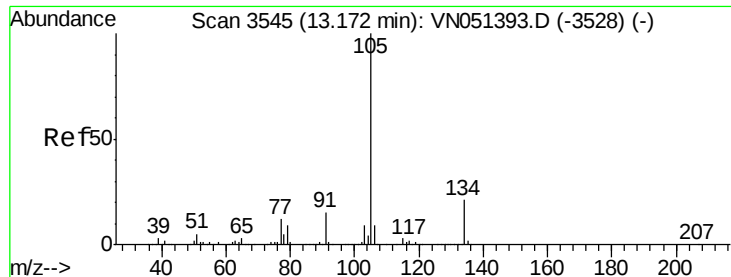
Tgt Ion:119 Resp: 1130636
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.7 95.1
 134 24.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.180 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion:105 Resp: 1309431
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7

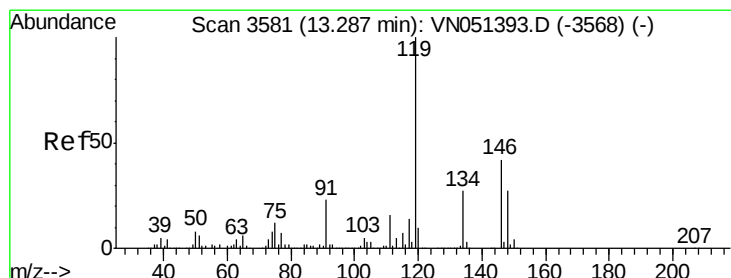
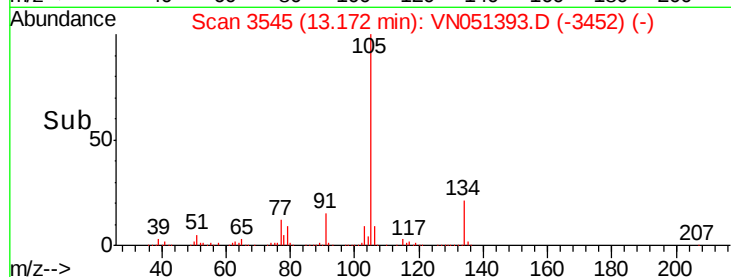
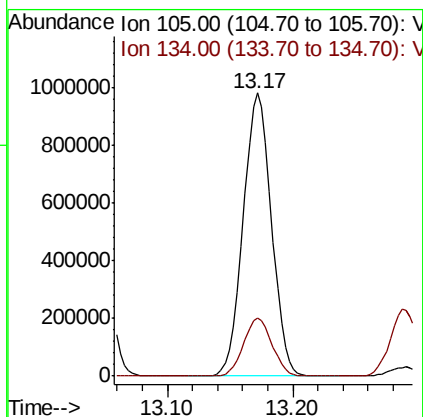
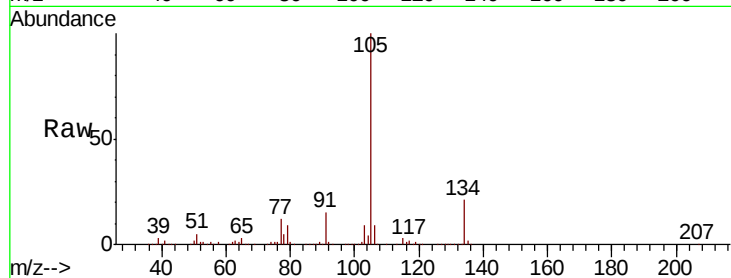




#85
 sec-Butylbenzene
 Concen: 48.276 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

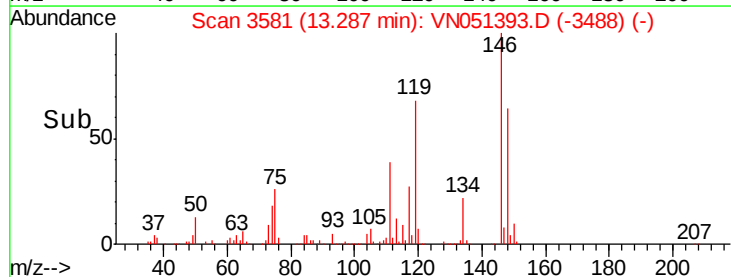
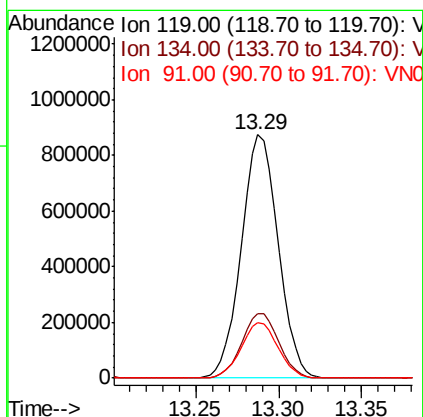
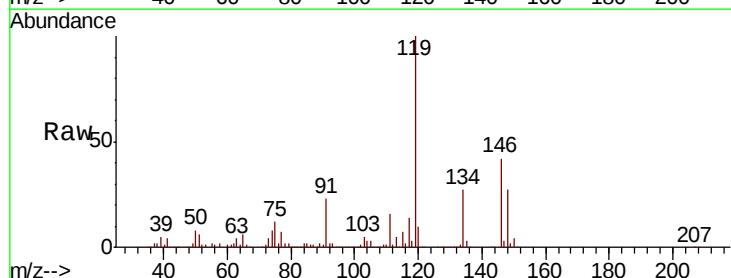
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

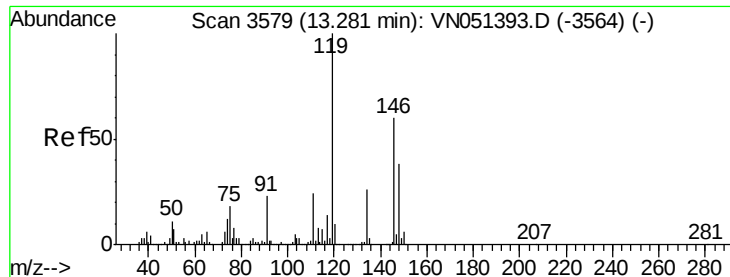
Tgt Ion:105 Resp: 1535984
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 48.962 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion:119 Resp: 1347941
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 47.475 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

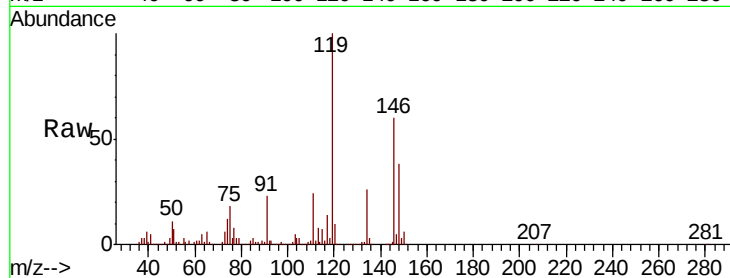
Tgt Ion:146 Resp: 673944

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.1

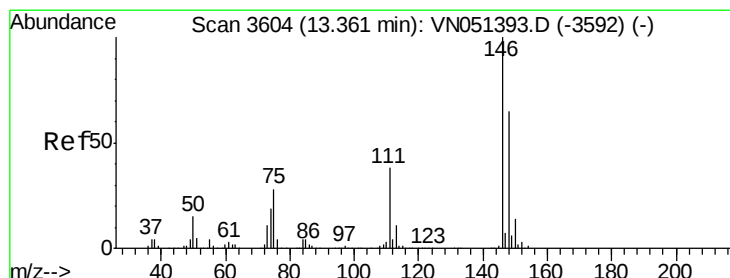
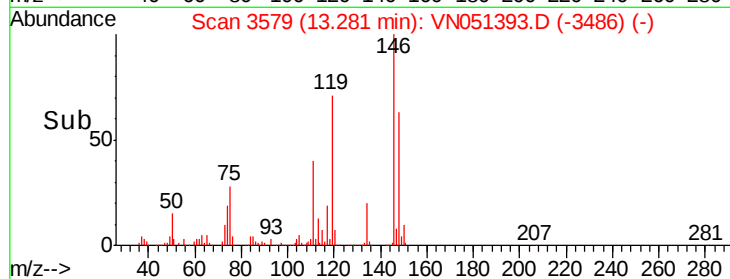
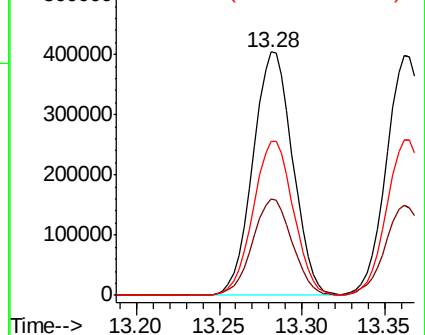
148 63.8 31.9 95.7



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: 48.246 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

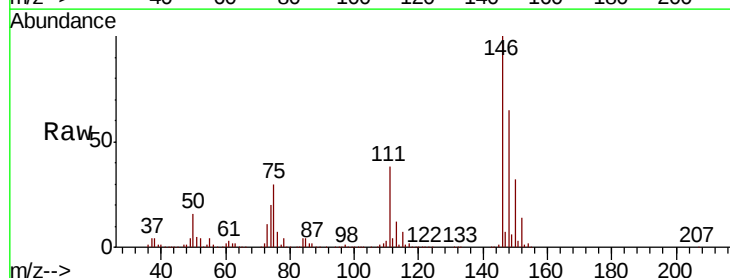
Tgt Ion:146 Resp: 658987

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

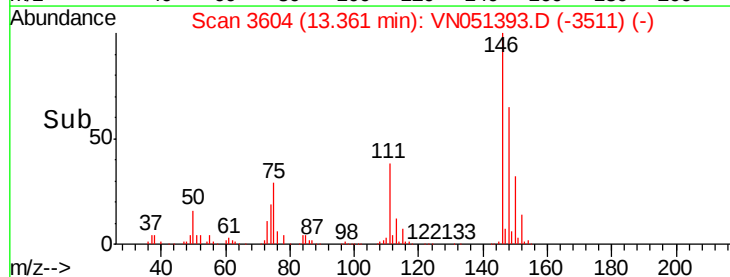
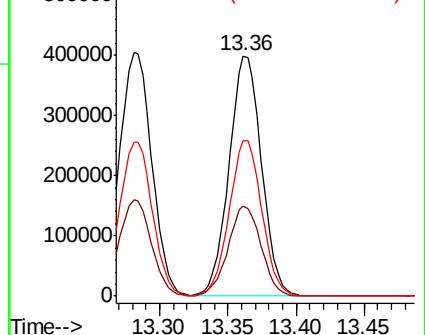
148 65.0 32.5 97.5

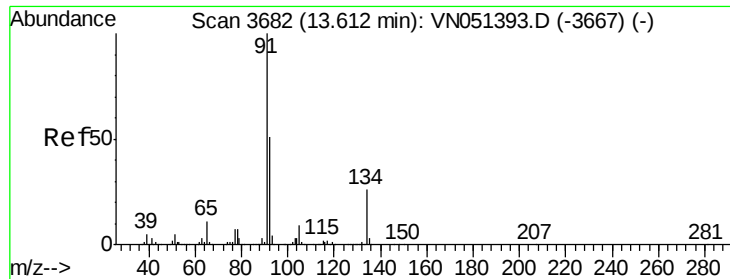


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.347 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

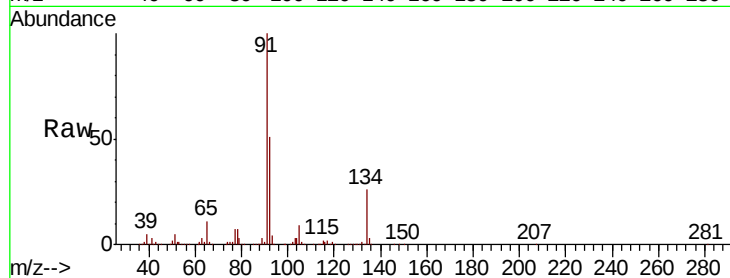
Tgt Ion: 91 Resp: 1117162

Ion Ratio Lower Upper

91 100

92 51.0 25.5 76.5

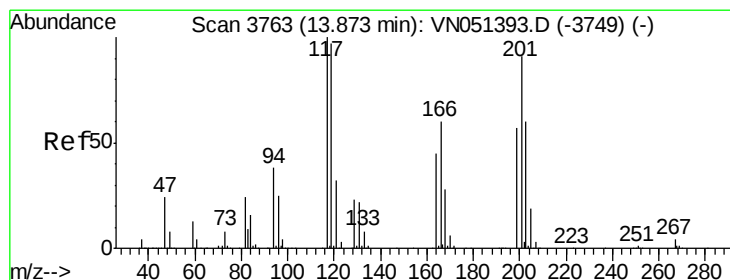
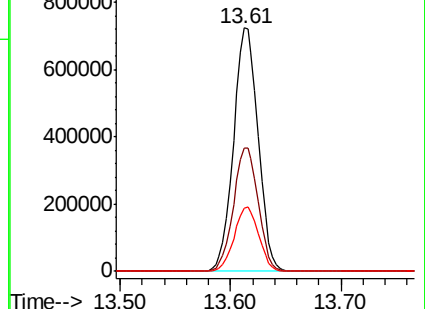
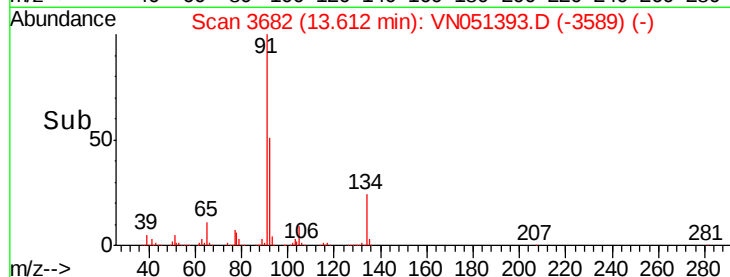
134 26.5 13.3 39.8



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: 46.512 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051393.D

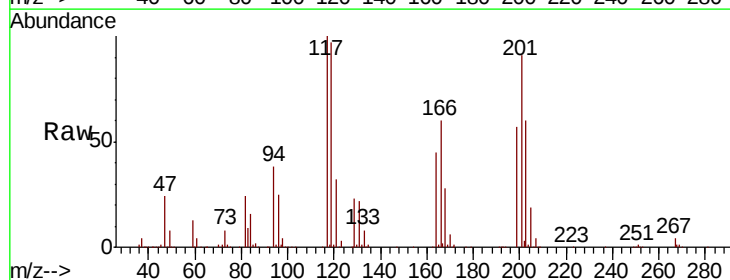
Acq: 22 Sep 2018 13:07

Tgt Ion: 117 Resp: 255134

Ion Ratio Lower Upper

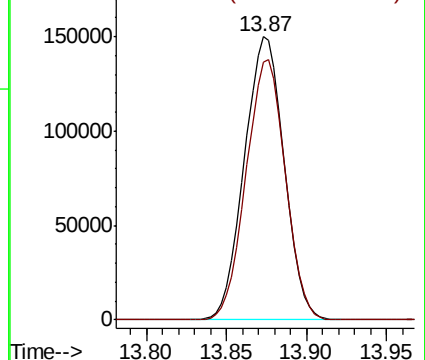
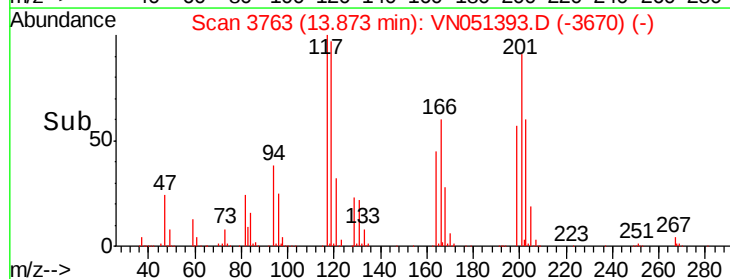
117 100

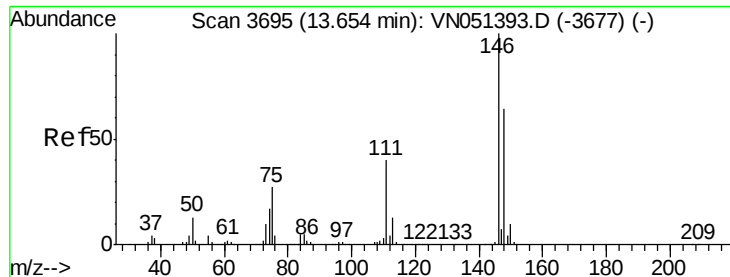
201 90.9 45.5 136.4



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: 47.732 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

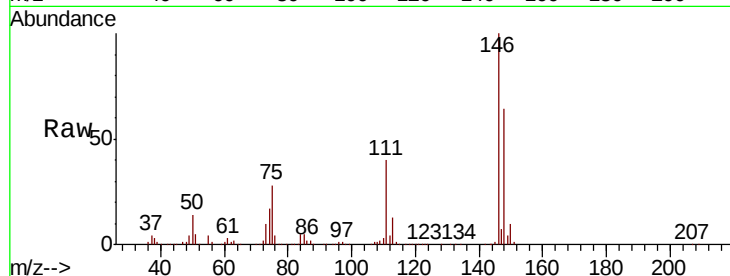
Tgt Ion:146 Resp: 657437

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

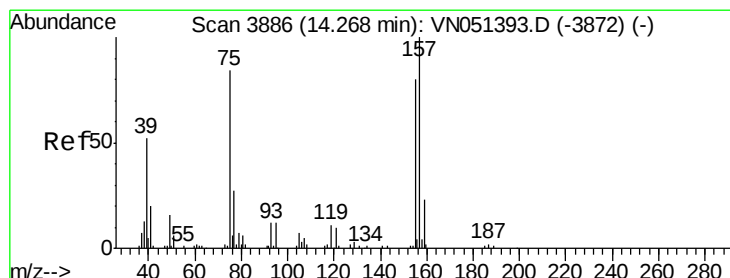
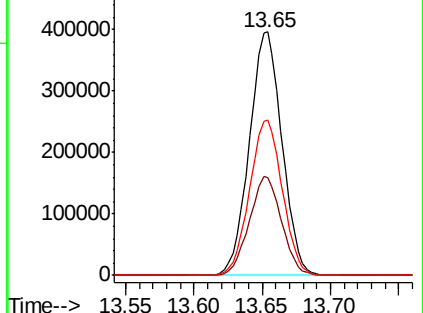
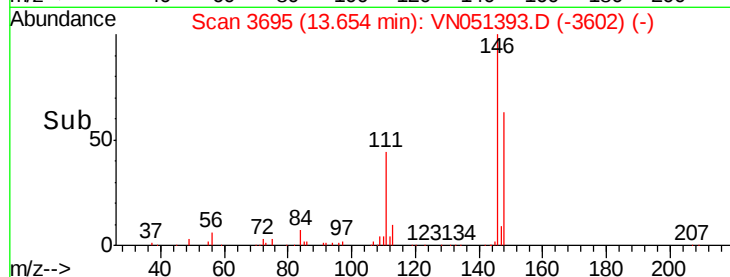
148 64.3 32.1 96.5



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: 46.912 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

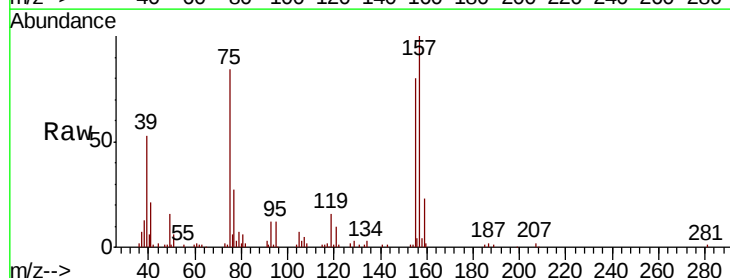
Tgt Ion: 75 Resp: 50589

Ion Ratio Lower Upper

75 100

155 93.7 46.9 140.6

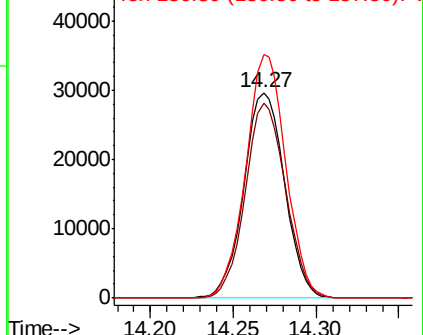
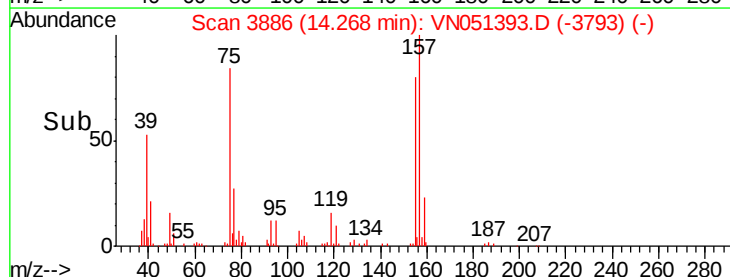
157 116.7 58.4 175.1

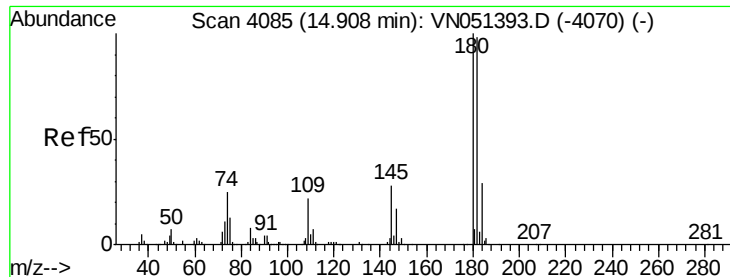


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

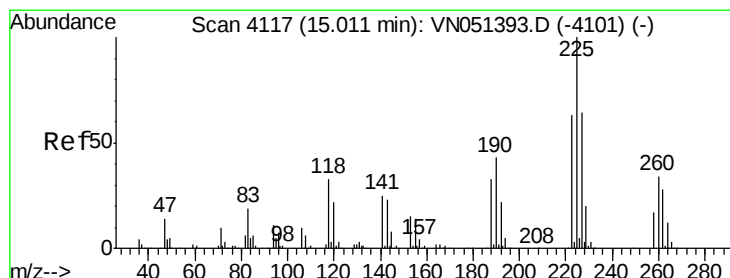
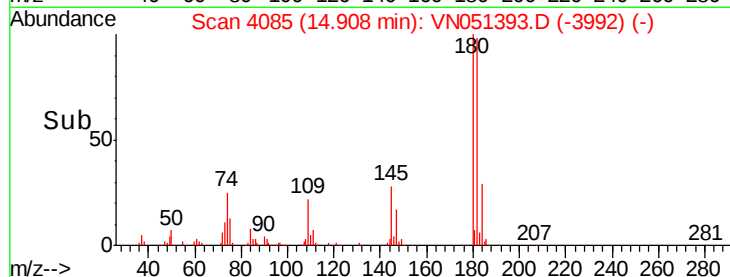
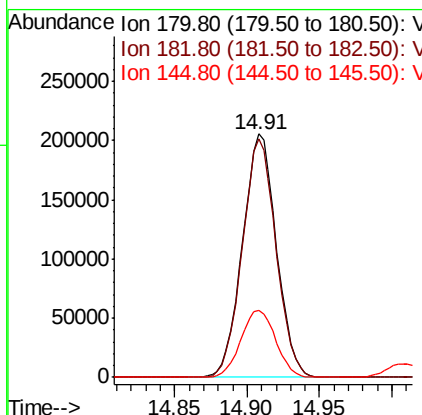
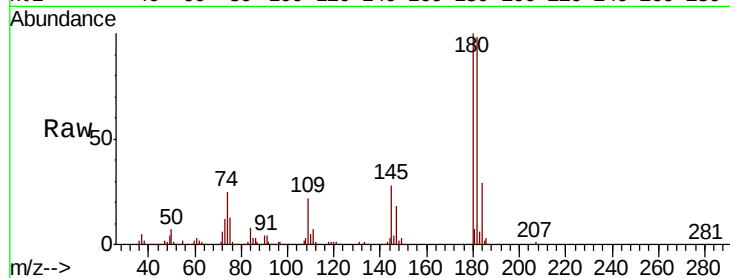




#93
 1,2,4-Trichlorobenzene
 Concen: 45.639 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

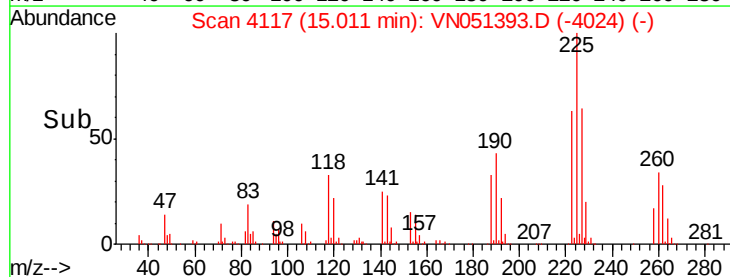
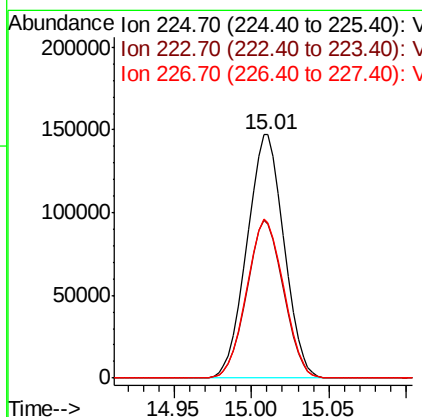
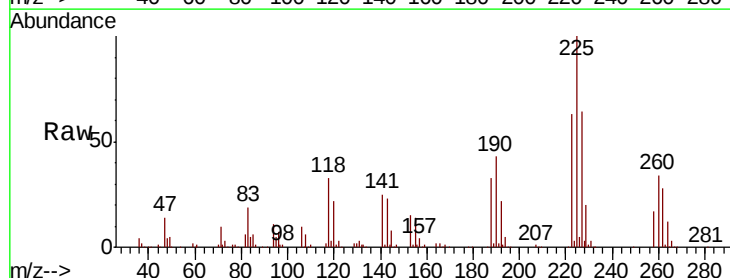
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

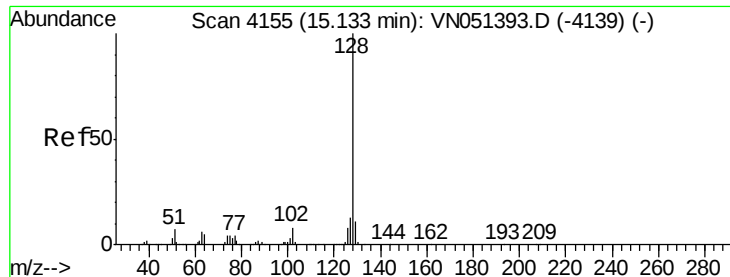
Tgt Ion:180 Resp: 334498
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.6
 145 28.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.239 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion:225 Resp: 246179
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.9
 227 65.0 32.5 97.5





#95

Naphthalene

Concen: 44.081 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

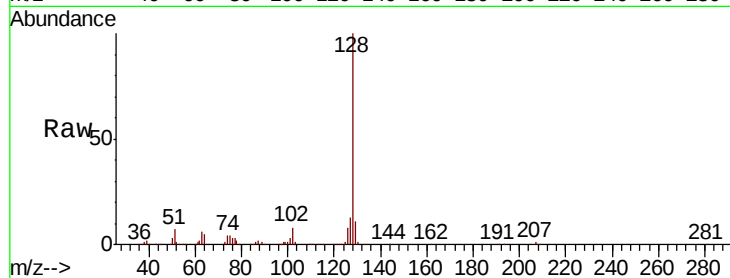
Tgt Ion:128 Resp: 613253

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

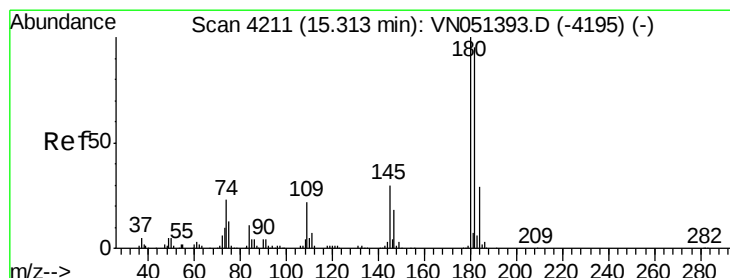
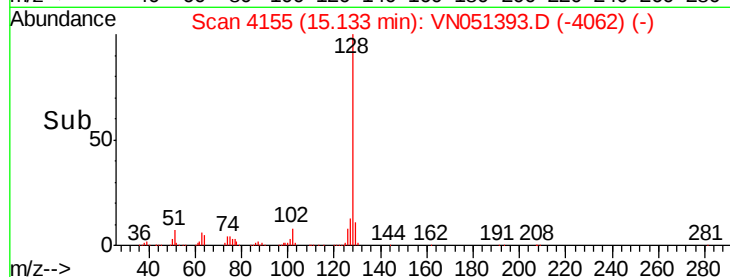
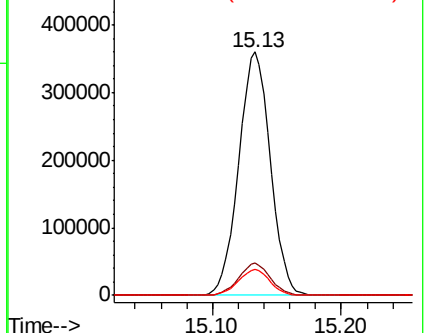
129 10.7 8.6 12.8



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: 49.823 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

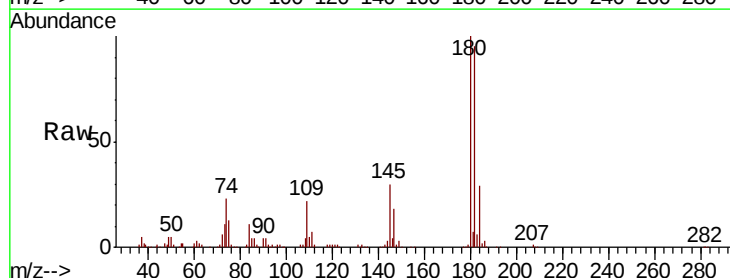
Tgt Ion:180 Resp: 329326

Ion Ratio Lower Upper

180 100

182 94.4 47.2 141.6

145 29.2 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

