

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051401.D
 Acq On : 23 Sep 2018 9:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 06:43:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	539880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	771886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373708	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	339316	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.59	113	308614	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.09	98	1171481	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	397778	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	244237	48.490	ug/l	100
3) Chloromethane	2.06	50	402147	50.155	ug/l	99
4) Vinyl Chloride	2.18	62	448019	50.626	ug/l	98
5) Bromomethane	2.57	94	271795	51.248	ug/l	100
6) Chloroethane	2.70	64	282326	51.199	ug/l	98
7) Trichlorofluoromethane	3.01	101	563068	48.576	ug/l	98
8) Diethyl Ether	3.41	74	167627	45.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	291311	44.530	ug/l	98
10) Methyl Iodide	3.95	142	397302	45.741	ug/l	99
11) Tert butyl alcohol	4.78	59	85221	223.275	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	268923	44.770	ug/l	98
13) Acrolein	3.60	56	68961	181.948	ug/l	96
14) Allyl chloride	4.32	41	457280	45.374	ug/l	99
15) Acrylonitrile	4.98	53	483429	232.831	ug/l	100
16) Acetone	3.82	43	331884	217.721	ug/l	98
17) Carbon Disulfide	4.05	76	815630	46.218	ug/l	100
18) Methyl Acetate	4.32	43	234172	45.464	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	760908	49.124	ug/l	99
20) Methylene Chloride	4.55	84	324112	48.431	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	297194	48.365	ug/l	99
22) Diisopropyl ether	5.95	45	1018060	52.260	ug/l	100
23) Vinyl Acetate	5.89	43	3169898	247.852	ug/l	99
24) 1,1-Dichloroethane	5.85	63	582411	50.107	ug/l	100
25) 2-Butanone	6.83	43	516255	223.024	ug/l	98
26) 2,2-Dichloropropane	6.82	77	299916	33.055	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	334500	49.611	ug/l	98
28) Bromochloromethane	7.19	49	266418	49.635	ug/l	99
29) Tetrahydrofuran	7.21	42	357060	243.409	ug/l	99
30) Chloroform	7.37	83	577114	50.109	ug/l	100
31) Cyclohexane	7.65	56	518645	48.703	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	502456	51.031	ug/l	99
36) 1,1-Dichloropropene	7.79	75	442956	49.556	ug/l	98
37) Ethyl Acetate	6.93	43	241891	47.066	ug/l	100
38) Carbon Tetrachloride	7.77	117	458827	49.076	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	517352	49.511	ug/l	97
40) Benzene	8.04	78	1307178	49.806	ug/l	97
41) Methacrylonitrile	7.17	41	125584	44.168	ug/l	96
42) 1,2-Dichloroethane	8.12	62	416786	49.594	ug/l	99
43) Isopropyl Acetate	8.16	43	442259	47.589	ug/l	98
44) Trichloroethene	8.83	130	344221	49.378	ug/l	99
45) 1,2-Dichloropropane	9.12	63	353135	49.498	ug/l	100
46) Dibromomethane	9.21	93	197916	49.097	ug/l	99
47) Bromodichloromethane	9.40	83	445251	49.912	ug/l	98
48) Methyl methacrylate	9.20	41	226803	48.950	ug/l	100
49) 1,4-Dioxane	9.20	88	55597	979.093	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1231609	240.972	ug/l	100
52) Toluene	10.15	92	834888	51.187	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	417678	46.377	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	489463	46.864	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	284952	49.433	ug/l	98
56) Ethyl methacrylate	10.43	69	351519	49.877	ug/l	99
57) 1,3-Dichloropropane	10.71	76	489016	49.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	895389	235.999	ug/l	99
59) 2-Hexanone	10.75	43	791858	238.996	ug/l	99
60) Dibromochloromethane	10.90	129	340831	50.112	ug/l	99
61) 1,2-Dibromoethane	11.00	107	275321	49.201	ug/l	100
64) Tetrachloroethene	10.63	164	330712	50.382	ug/l	99
65) Chlorobenzene	11.43	112	905735	48.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341918	48.362	ug/l	99
67) Ethyl Benzene	11.51	91	1561481	49.930	ug/l	100
68) m/p-Xylenes	11.62	106	1222342	101.048	ug/l	100
69) o-Xylene	11.95	106	590019	50.736	ug/l	100
70) Styrene	11.96	104	956299	51.896	ug/l	100
71) Bromoform	12.12	173	231605	48.278	ug/l #	99
73) Isopropylbenzene	12.25	105	1587191	50.337	ug/l	99
74) N-amyl acetate	12.07	43	391081	49.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	345998	47.057	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	414609	66.831	ug/l #	100
77) Bromobenzene	12.53	156	387805	48.584	ug/l	99
78) n-propylbenzene	12.59	91	1817094	51.133	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069563	50.281	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1317856	51.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83725	41.499	ug/l	99
82) 4-Chlorotoluene	12.77	91	1061448	49.995	ug/l	100
83) tert-Butylbenzene	12.99	119	1165078	50.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1335192	51.536	ug/l	100
85) sec-Butylbenzene	13.17	105	1593406	51.468	ug/l	100
86) p-Isopropyltoluene	13.29	119	1365717	50.981	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	681872	49.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	649913	48.899	ug/l	100
89) n-Butylbenzene	13.61	91	1102009	50.026	ug/l	99
90) Hexachloroethane	13.87	117	263399	49.348	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	654559	48.839	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49524	47.196	ug/l	95

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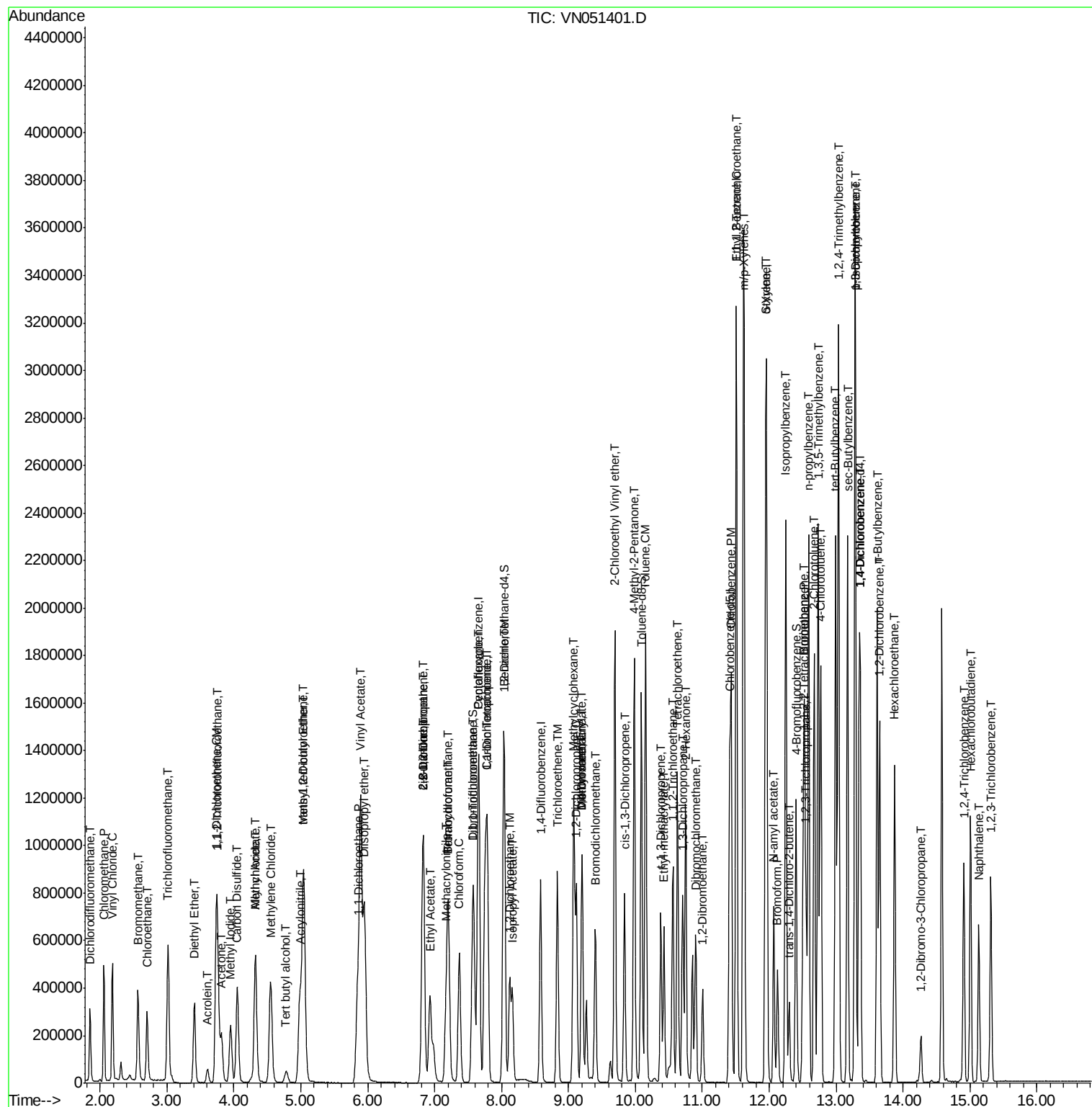
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	322922	45.327	ug/l	99
94) Hexachlorobutadiene	15.01	225	237150	46.767	ug/l	99
95) Naphthalene	15.13	128	569431	42.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	317053	49.295	ug/l	98

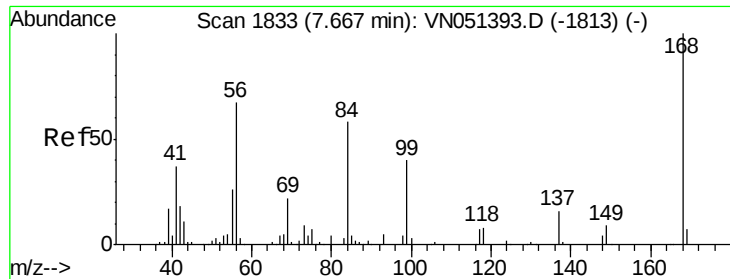
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

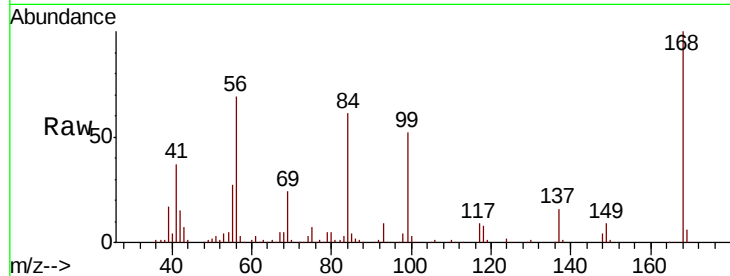
VSTDCCC050

Tgt Ion:168 Resp: 539880

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.66

250000

200000

150000

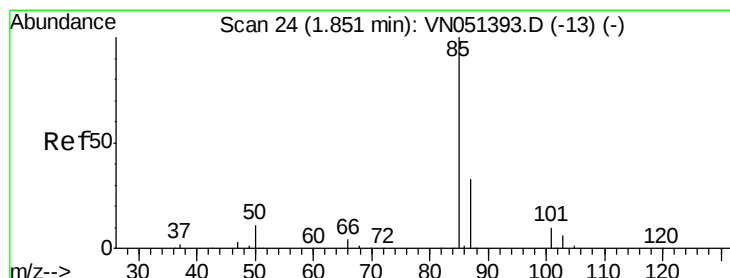
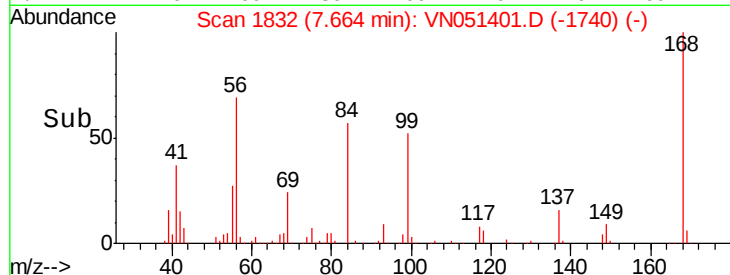
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.490 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051401.D

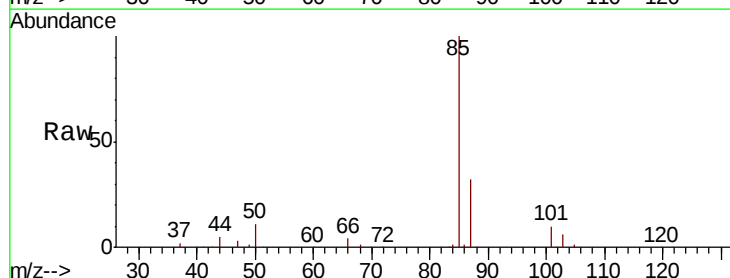
Acq: 23 Sep 2018 9:38

Tgt Ion: 85 Resp: 244237

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

200000

150000

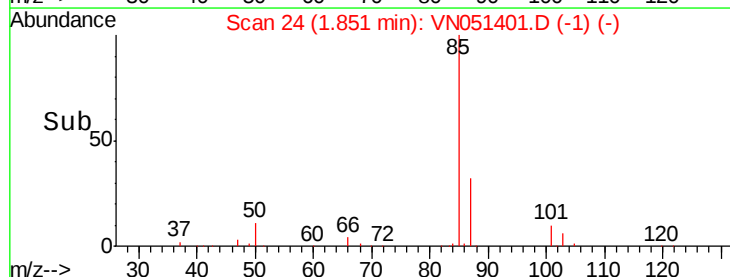
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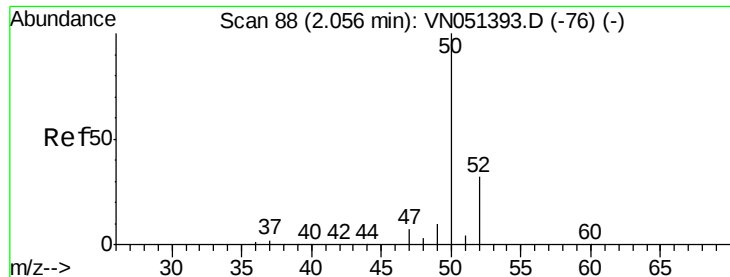
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.155 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

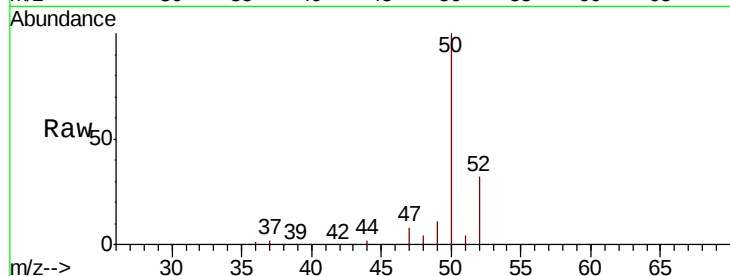
VSTDCCC050

Tgt Ion: 50 Resp: 402147

Ion Ratio Lower Upper

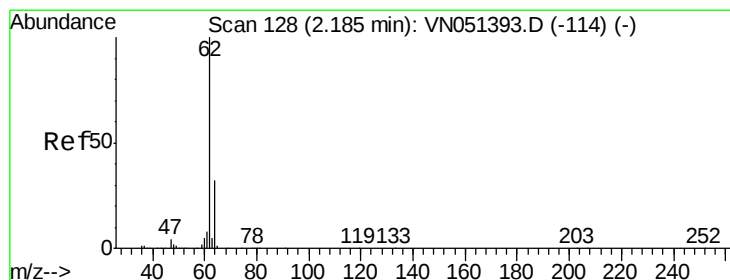
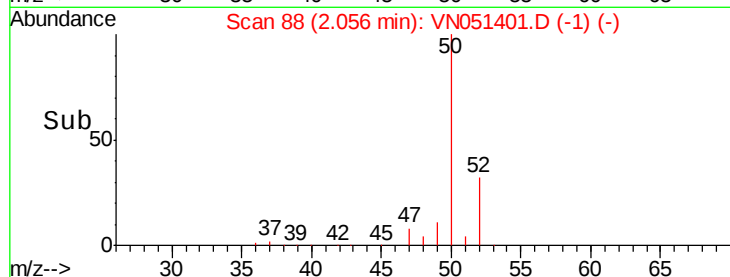
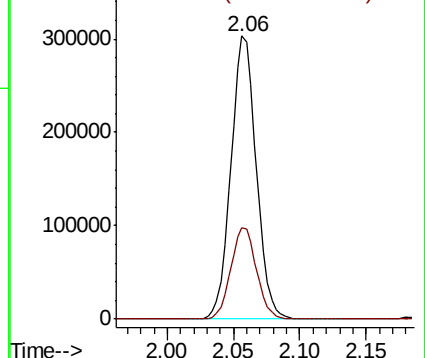
50 100

52 32.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.626 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051401.D

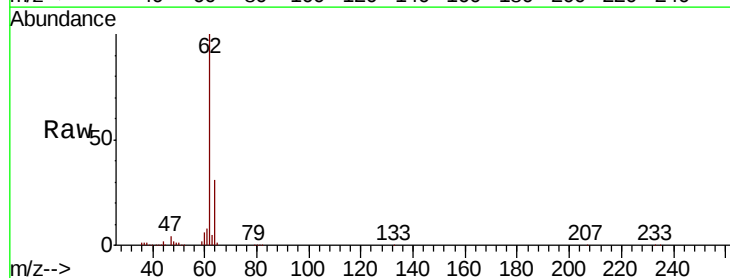
Acq: 23 Sep 2018 9:38

Tgt Ion: 62 Resp: 448019

Ion Ratio Lower Upper

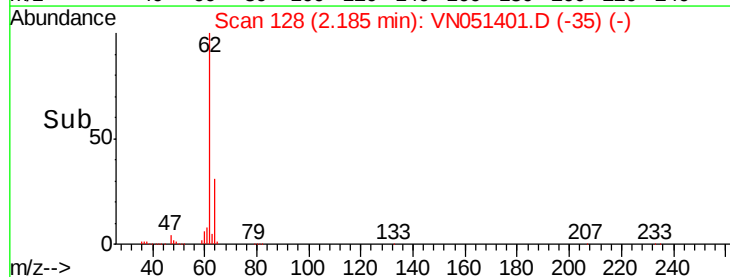
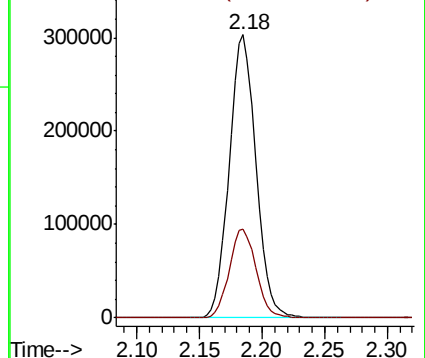
62 100

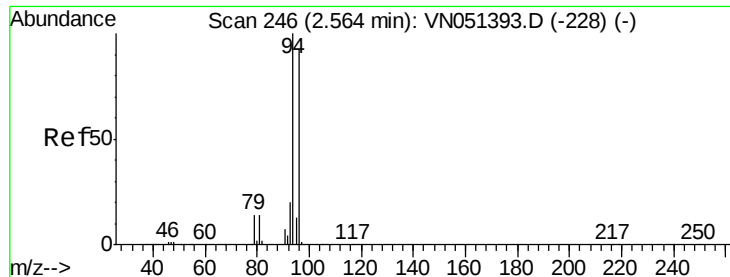
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 51.248 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

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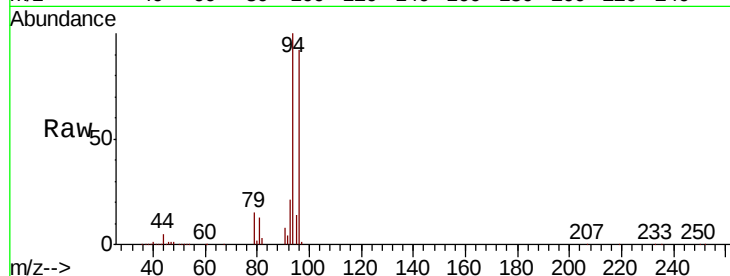
VSTDCCC050

Tgt Ion: 94 Resp: 271795

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

2.57

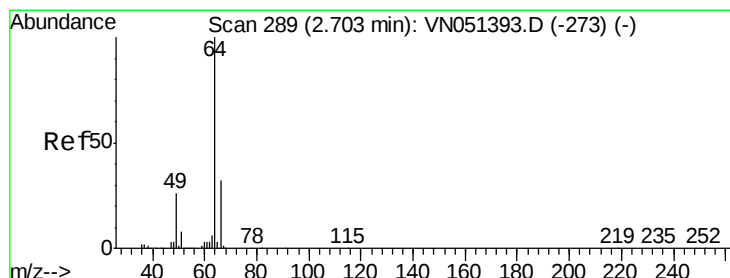
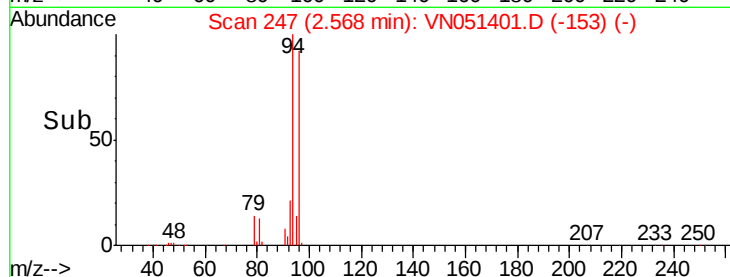
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 51.199 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051401.D

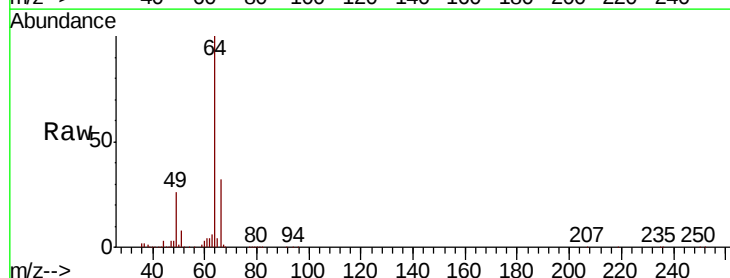
Acq: 23 Sep 2018 9:38

Tgt Ion: 64 Resp: 282326

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

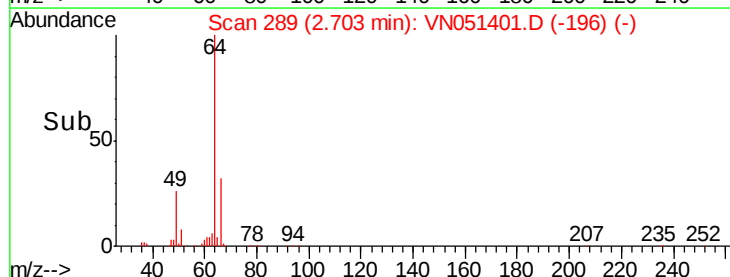
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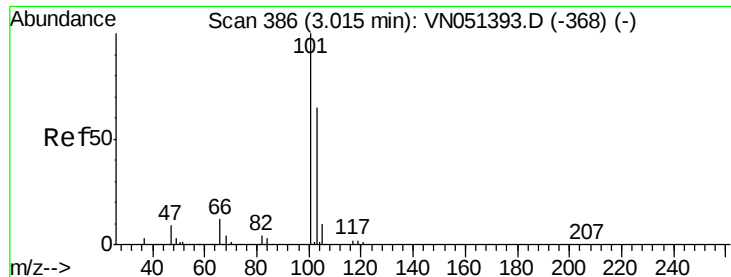
100000

50000

0

Time-->



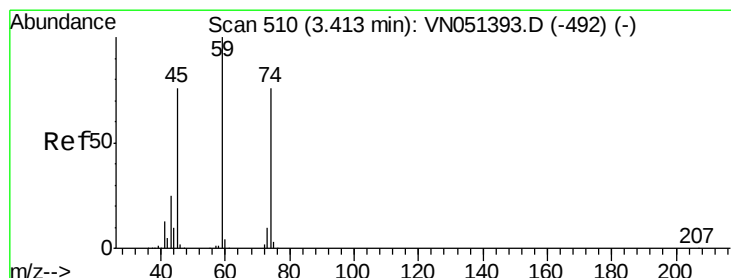
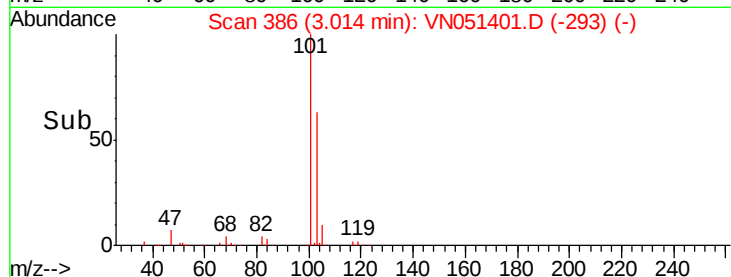
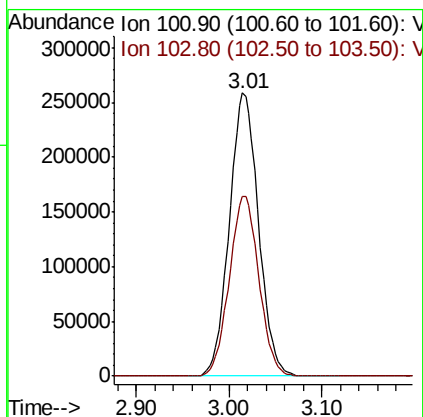
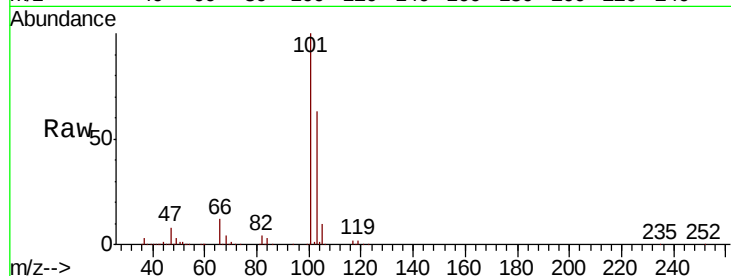


#7

Trichlorofluoromethane
 Concen: 48.576 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

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 VSTDCCC050

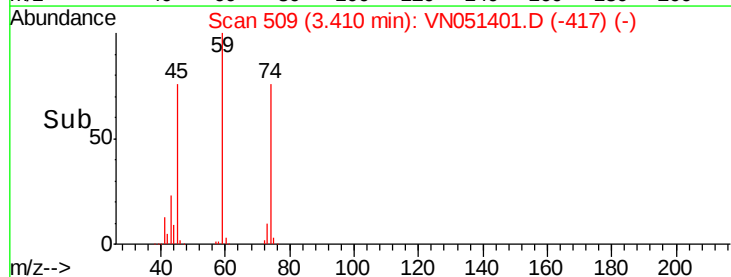
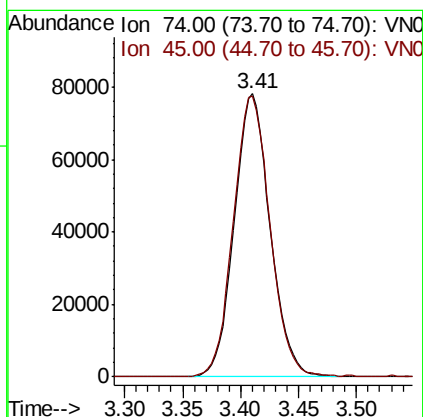
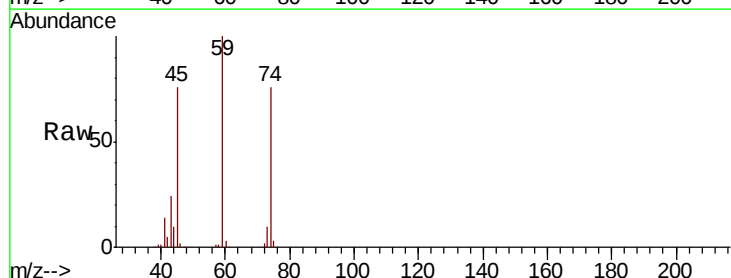
Tgt Ion: 101 Resp: 563068
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.8 77.8

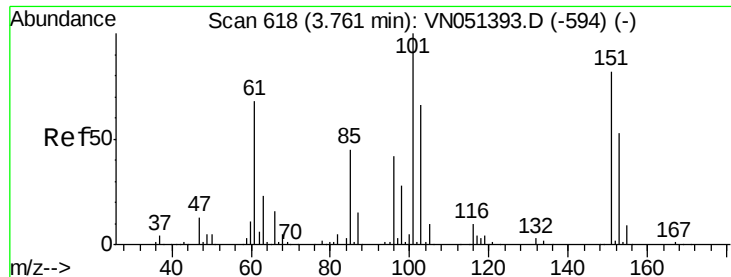


#8

Diethyl Ether
 Concen: 45.930 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 74 Resp: 167627
 Ion Ratio Lower Upper
 74 100
 45 101.9 50.2 150.7

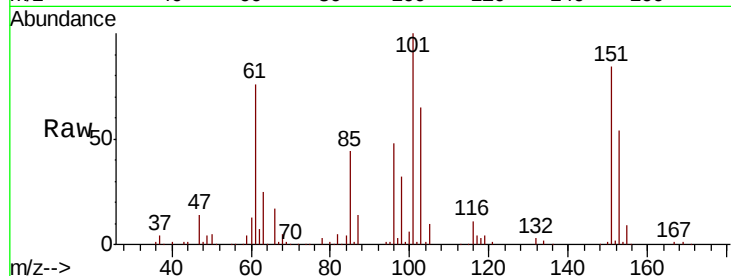




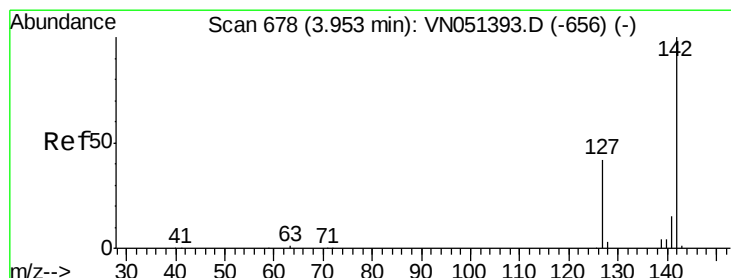
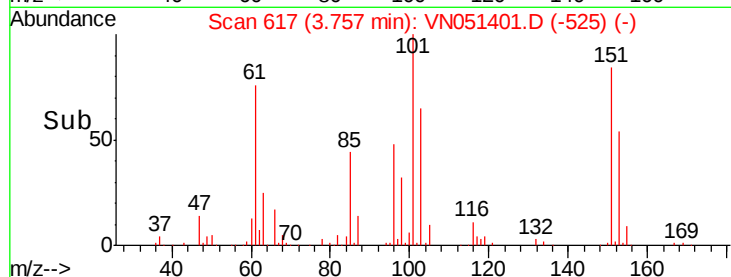
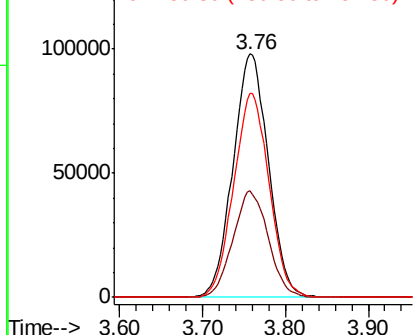
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.530 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 291311
 Ion Ratio Lower Upper
 101 100
 85 43.4 33.9 50.9
 151 83.8 65.2 97.8

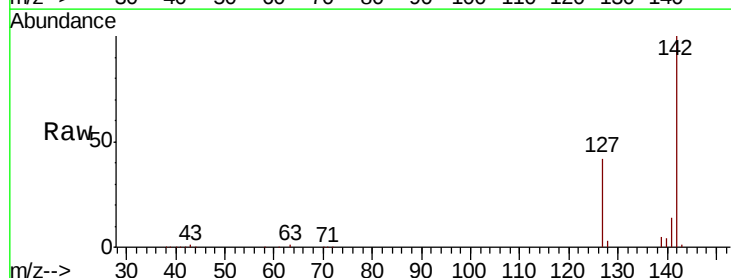


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

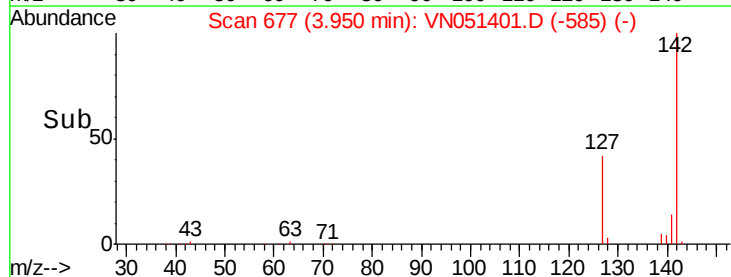
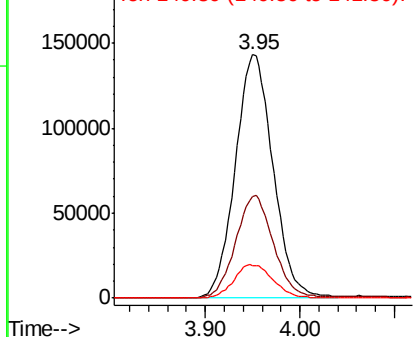


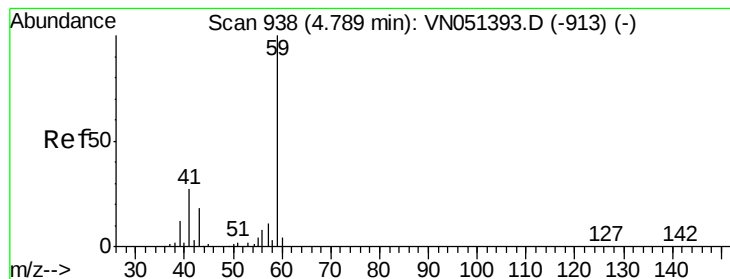
#10
 Methyl Iodide
 Concen: 45.741 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion:142 Resp: 397302
 Ion Ratio Lower Upper
 142 100
 127 42.5 33.2 49.8
 141 14.3 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



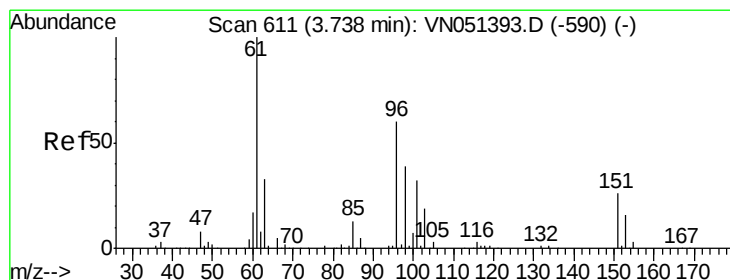
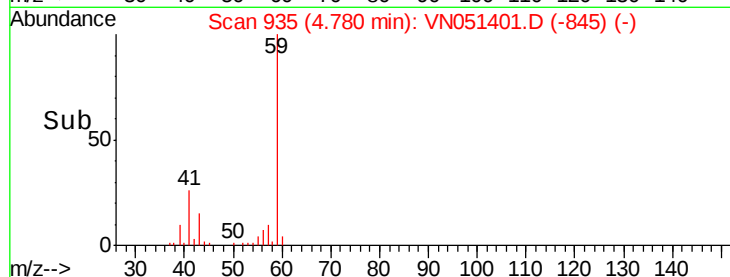
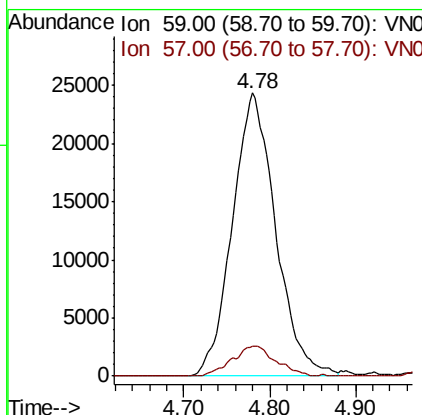
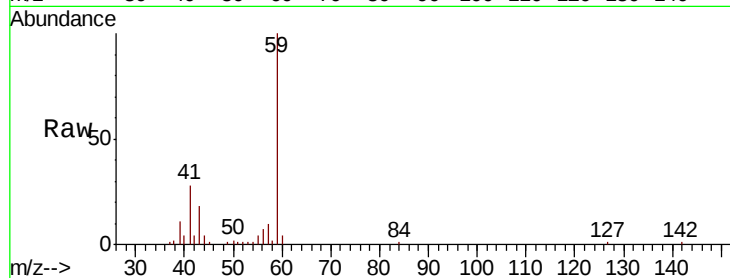


#11

Tert butyl alcohol
 Concen: 223.275 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

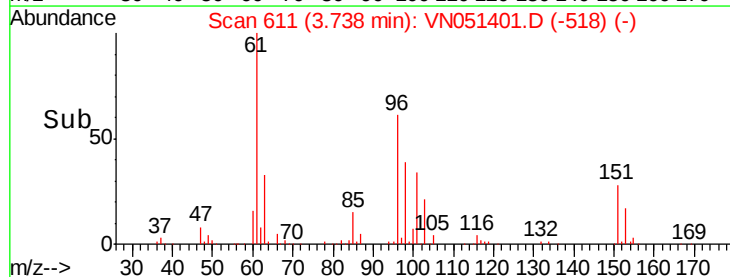
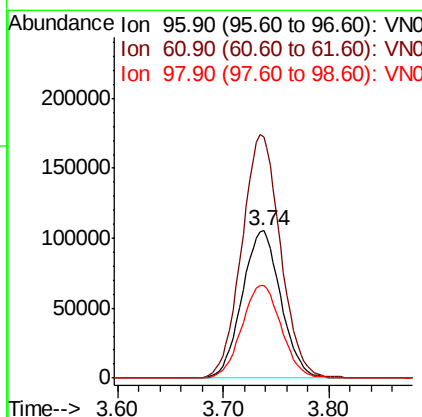
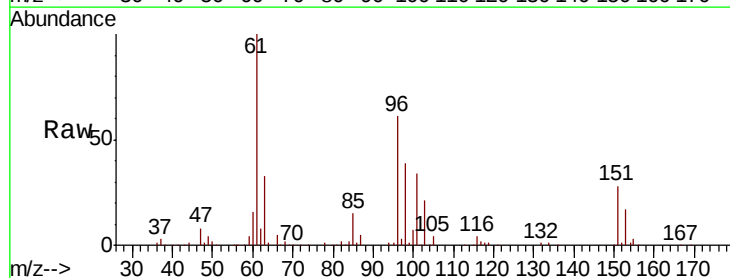
Tgt Ion: 59 Resp: 85221
 Ion Ratio Lower Upper
 59 100
 57 10.7 6.2 9.2#

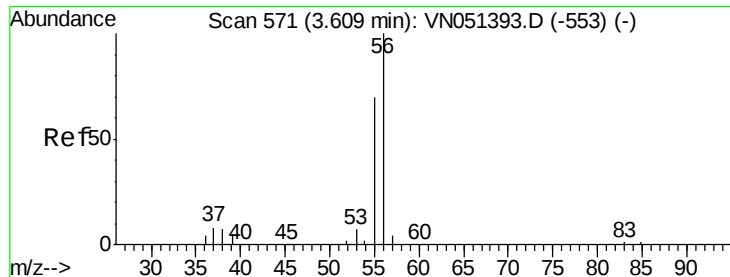


#12

1,1-Dichloroethene
 Concen: 44.770 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 96 Resp: 268923
 Ion Ratio Lower Upper
 96 100
 61 163.8 133.6 200.4
 98 63.2 52.2 78.2





#13

Acrolein

Concen: 181.948 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

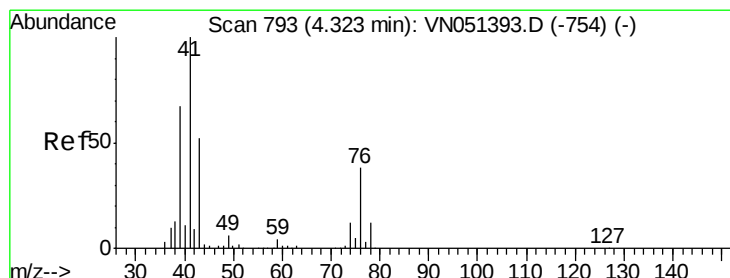
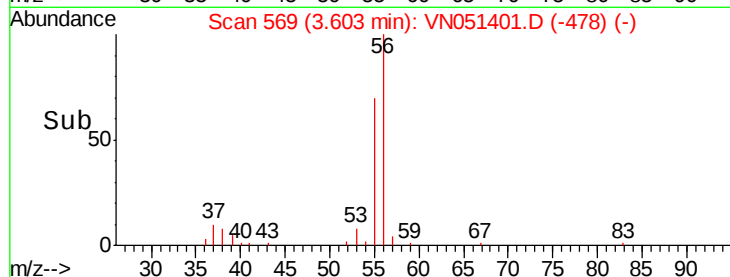
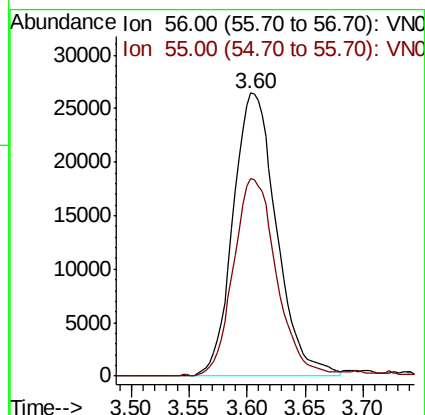
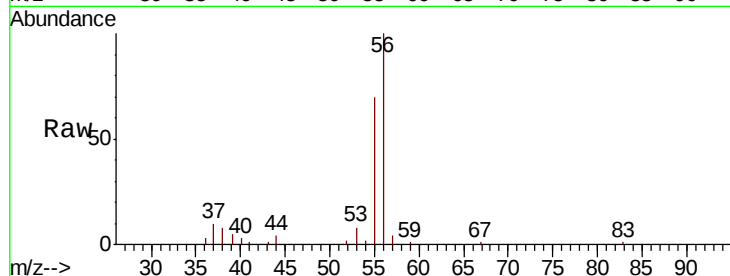
VSTDCCC050

Tgt Ion: 56 Resp: 68961

Ion Ratio Lower Upper

56 100

55 69.1 57.8 86.8



#14

Allyl chloride

Concen: 45.374 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

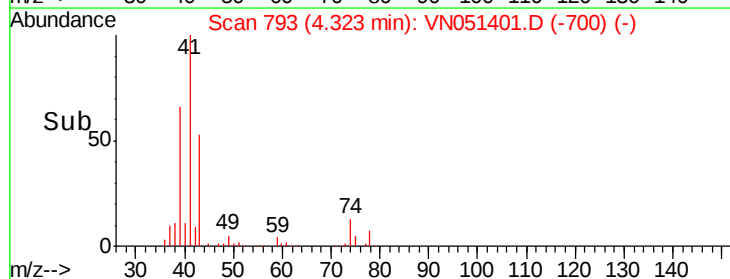
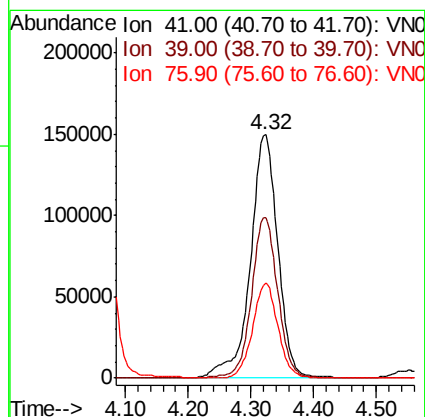
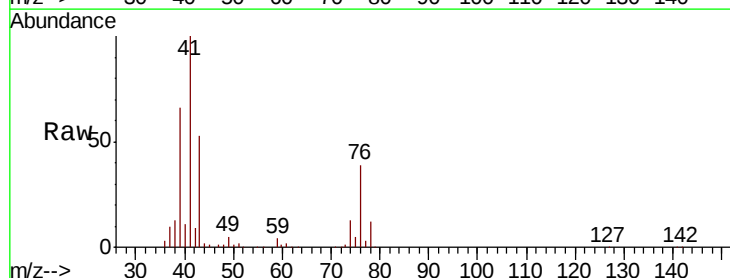
Tgt Ion: 41 Resp: 457280

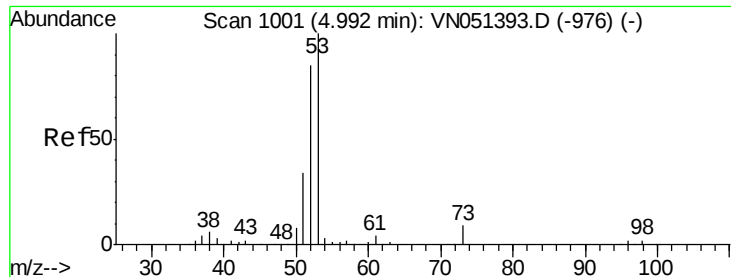
Ion Ratio Lower Upper

41 100

39 62.8 51.4 77.2

76 35.4 28.1 42.1





#15

Acrylonitrile

Concen: 232.831 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

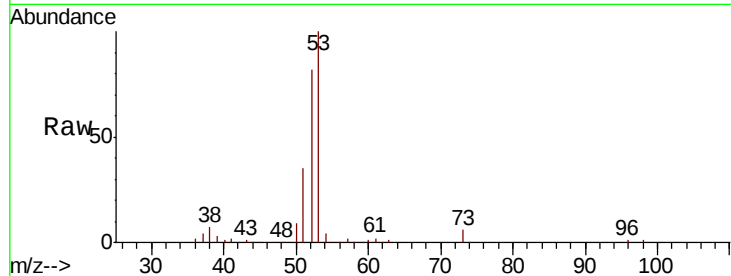
Tgt Ion: 53 Resp: 483429

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

51 36.5 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN051401.D (-998) (-)

Ion 52.00 (51.70 to 52.70): VN051401.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VN051401.D (-998) (-)

4.98

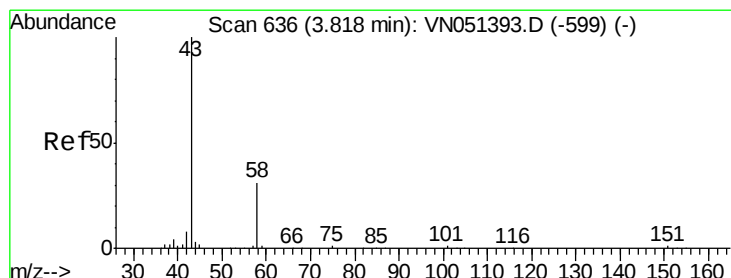
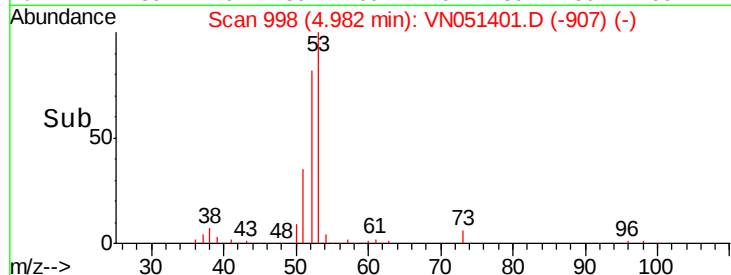
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 217.721 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051401.D

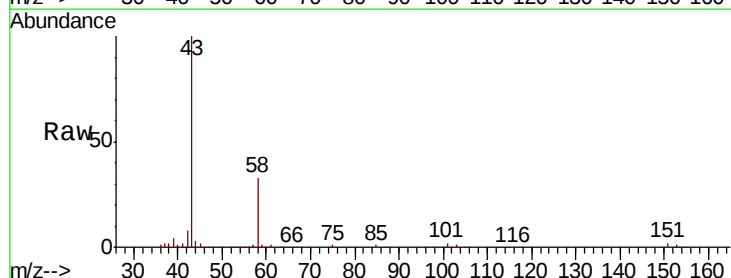
Acq: 23 Sep 2018 9:38

Tgt Ion: 43 Resp: 331884

Ion Ratio Lower Upper

43 100

58 32.5 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051401.D (-635) (-)

Ion 58.00 (57.70 to 58.70): VN051401.D (-635) (-)

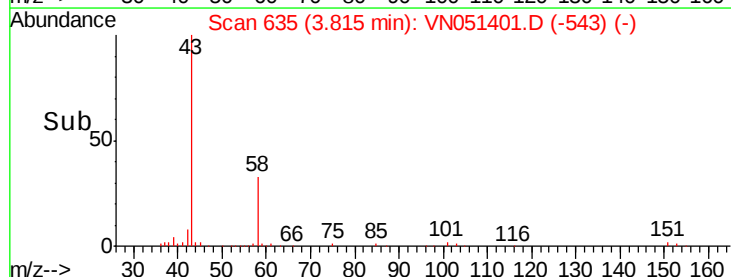
3.82

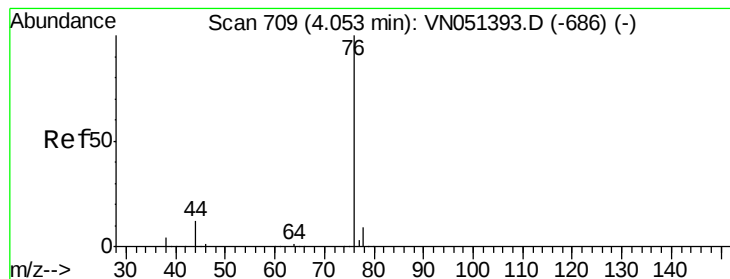
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 46.218 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

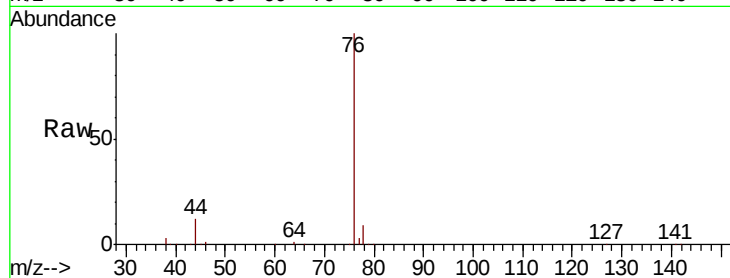
VSTDCCC050

Tgt Ion: 76 Resp: 815630

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

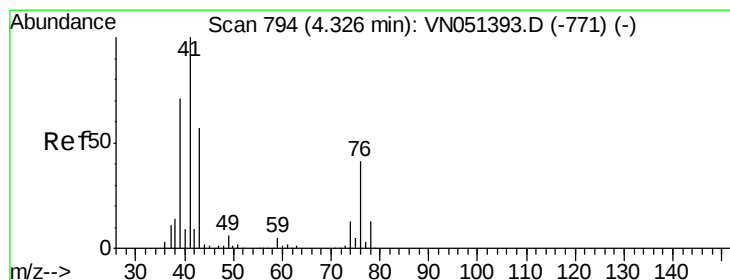
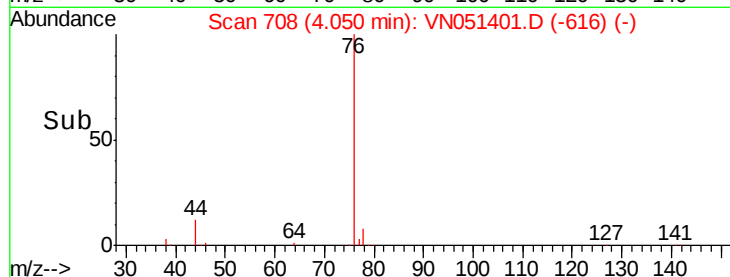
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.464 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN051401.D

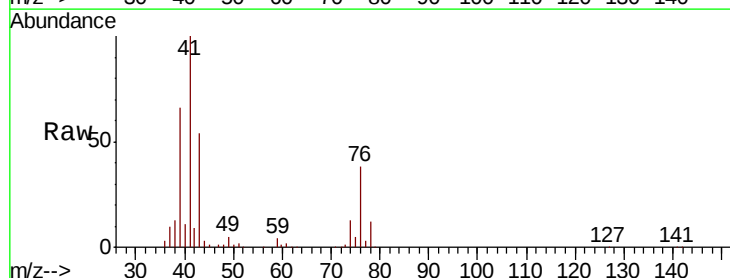
Acq: 23 Sep 2018 9:38

Tgt Ion: 43 Resp: 234172

Ion Ratio Lower Upper

43 100

74 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

80000

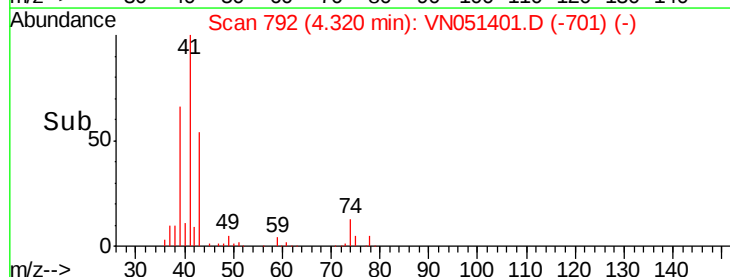
60000

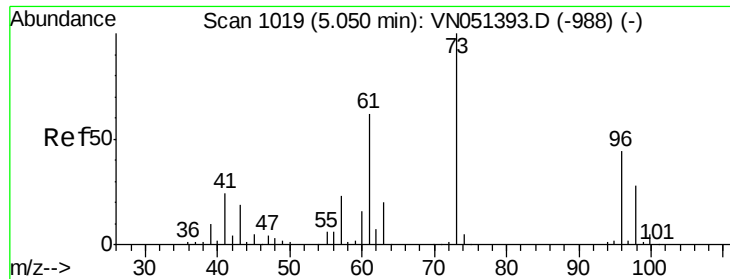
40000

20000

0

Time-->

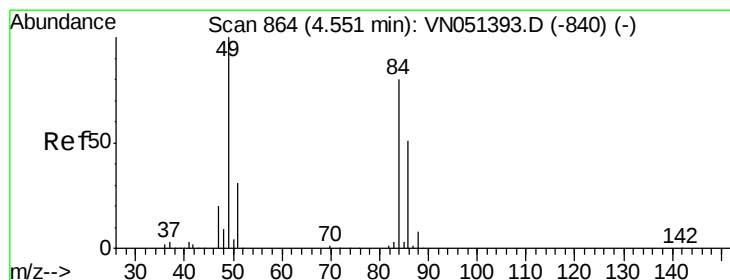
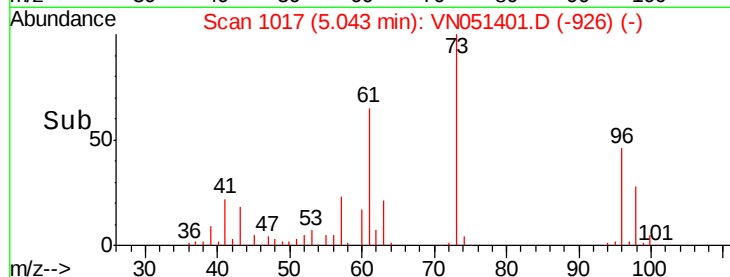
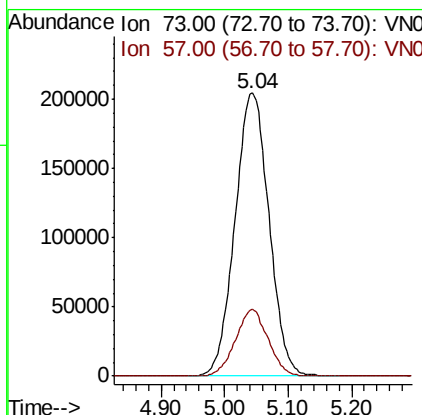
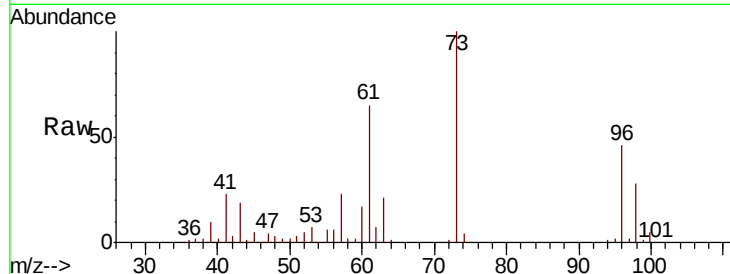




#19
Methyl tert-butyl Ether
Concen: 49.124 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

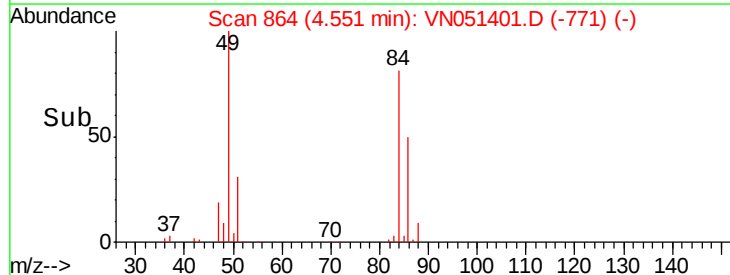
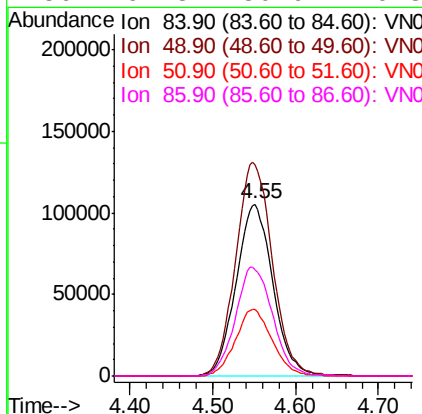
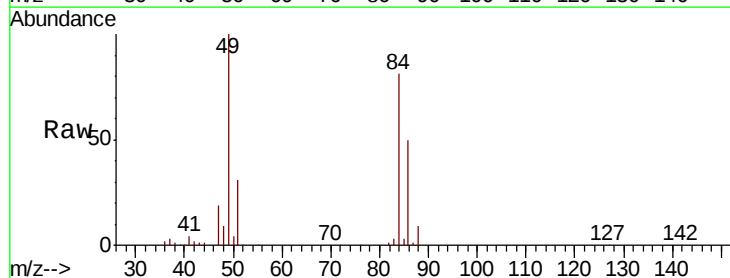
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

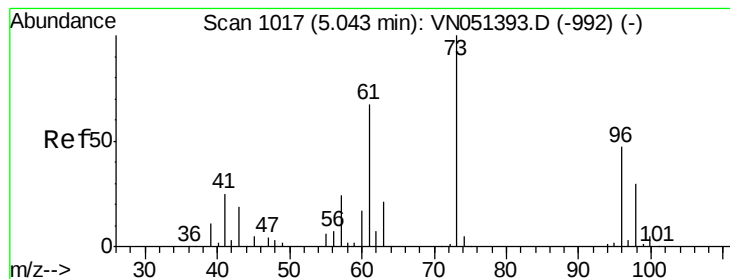
Tgt Ion: 73 Resp: 760908
Ion Ratio Lower Upper
73 100
57 23.5 18.3 27.5



#20
Methylene Chloride
Concen: 48.431 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 84 Resp: 324112
Ion Ratio Lower Upper
84 100
49 123.0 99.9 149.9
51 38.7 31.4 47.2
86 61.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.365 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

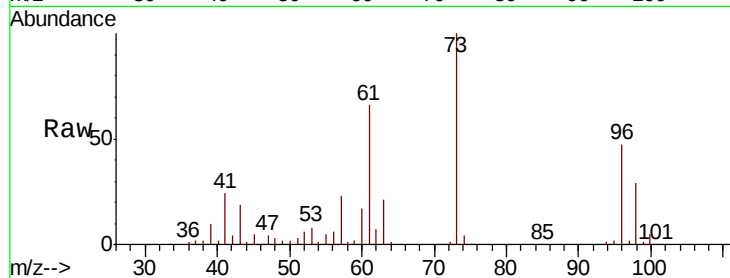
Tgt Ion: 96 Resp: 297194

Ion Ratio Lower Upper

96 100

61 141.3 113.4 170.2

98 61.4 51.1 76.7

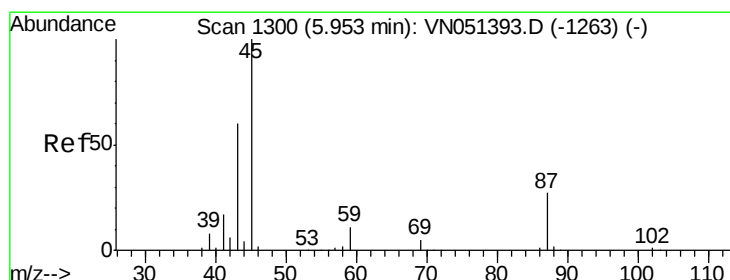
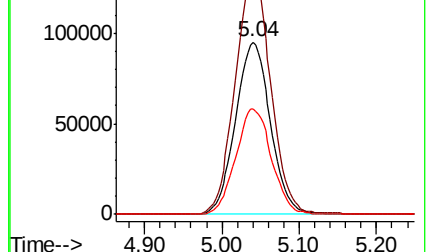
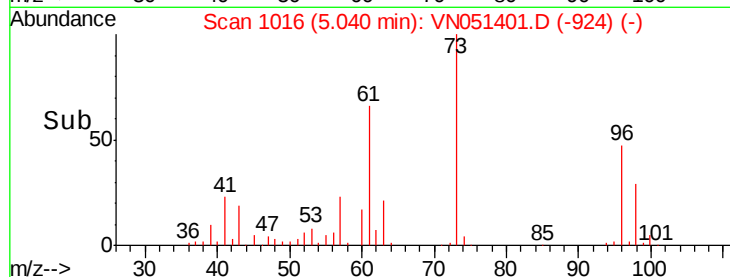


Abundance Ion 95.90 (95.60 to 96.60): VN051393.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-992) (-)

Time-->



#22

Diisopropyl ether

Concen: 52.260 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Tgt Ion: 45 Resp: 1018060

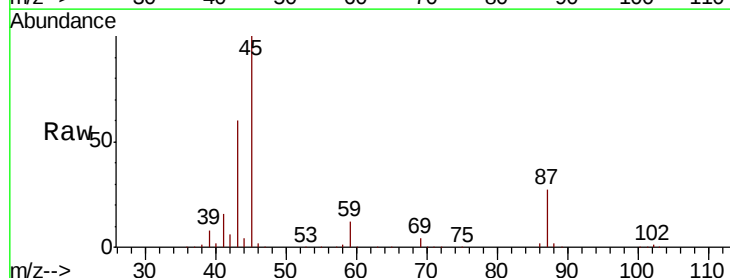
Ion Ratio Lower Upper

45 100

43 59.8 47.7 71.5

87 27.0 22.0 33.0

59 11.7 9.3 13.9



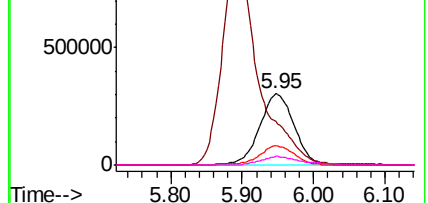
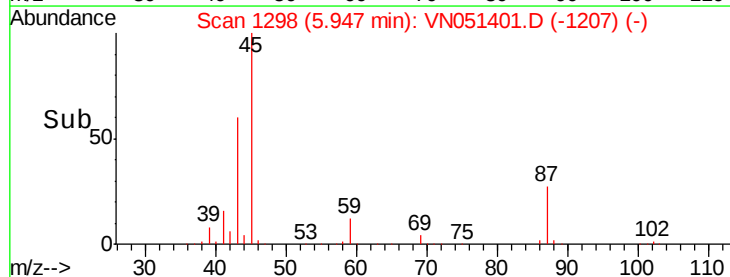
Abundance Ion 45.00 (44.70 to 45.70): VN051393.D (-1263) (-)

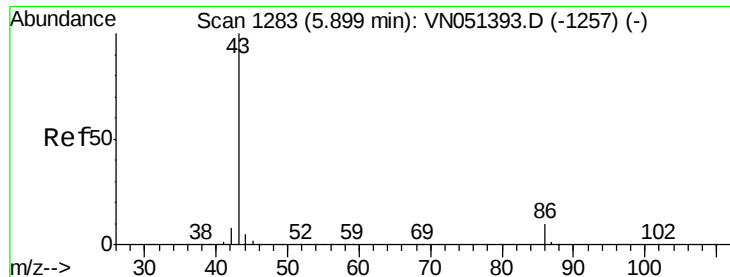
Ion 43.00 (42.70 to 43.70): VN051393.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN051393.D (-1263) (-)

Time-->





#23

Vinyl Acetate

Concen: 247.852 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

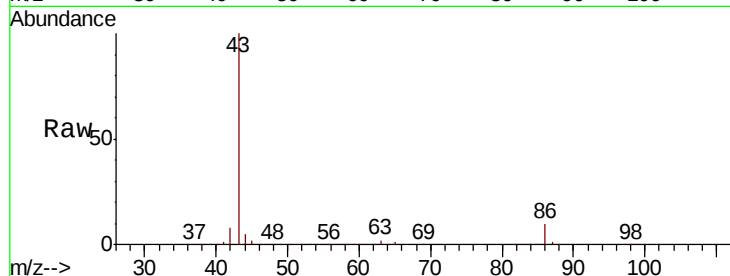
VSTDCCC050

Tgt Ion: 43 Resp: 3169898

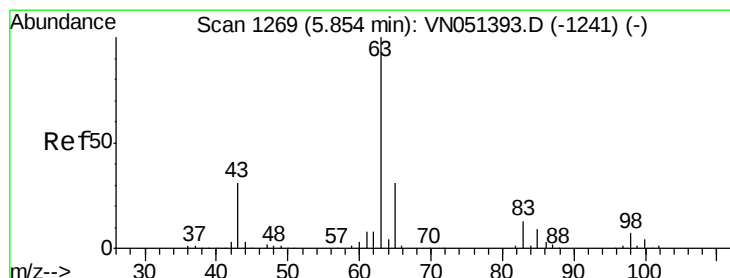
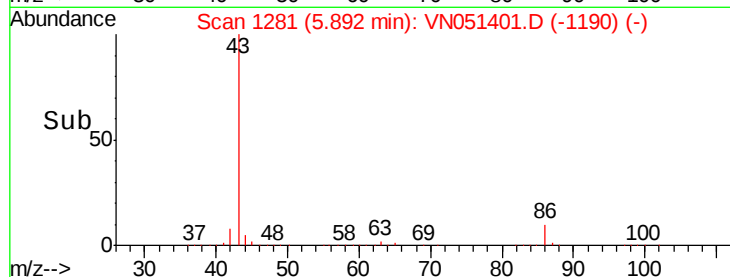
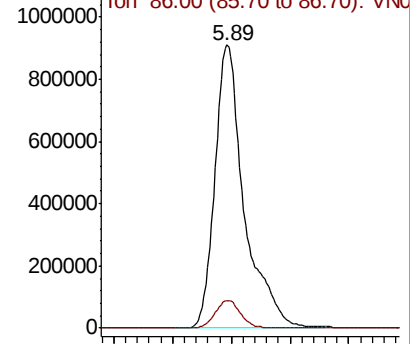
Ion Ratio Lower Upper

43 100

86 9.8 8.2 12.2



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



#24

1,1-Dichloroethane

Concen: 50.107 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

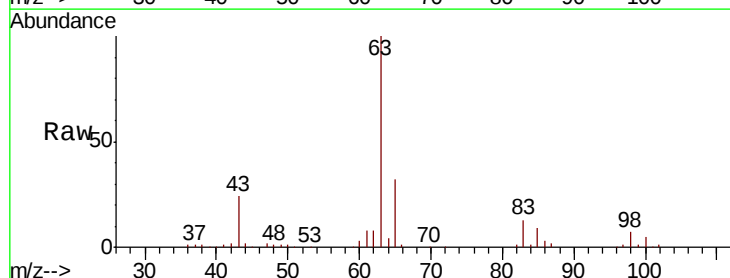
Tgt Ion: 63 Resp: 582411

Ion Ratio Lower Upper

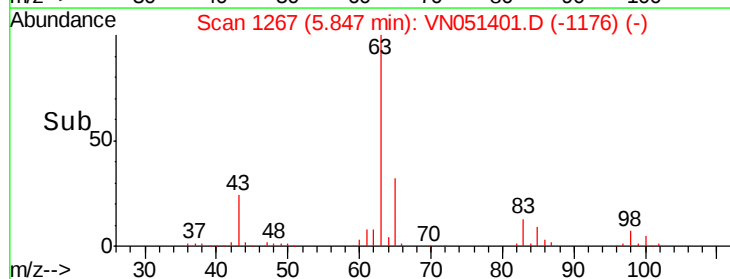
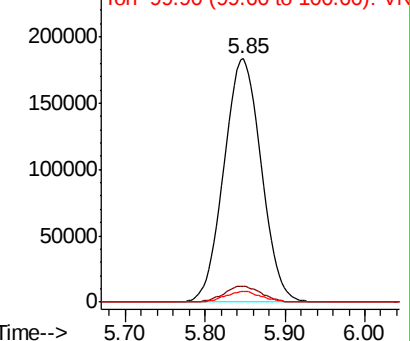
63 100

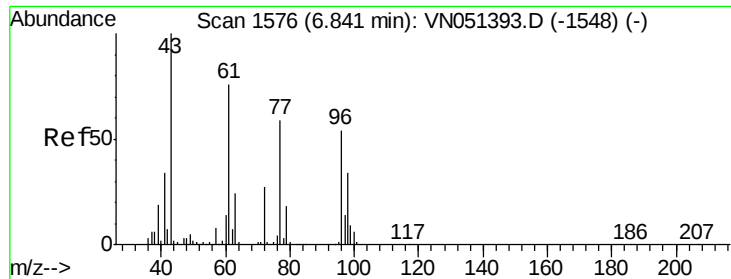
98 6.6 3.4 10.1

100 4.5 2.2 6.6



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





#25

2-Butanone

Concen: 223.024 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

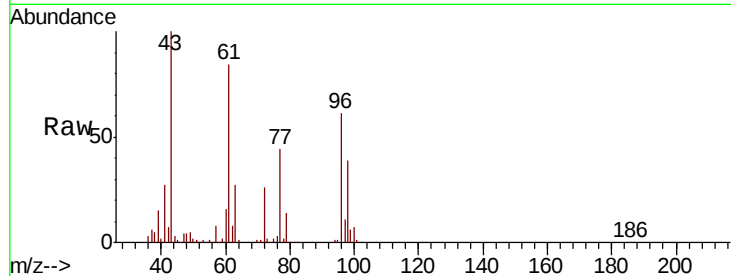
VSTDCCC050

Tgt Ion: 43 Resp: 516255

Ion Ratio Lower Upper

43 100

72 26.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

200000

150000

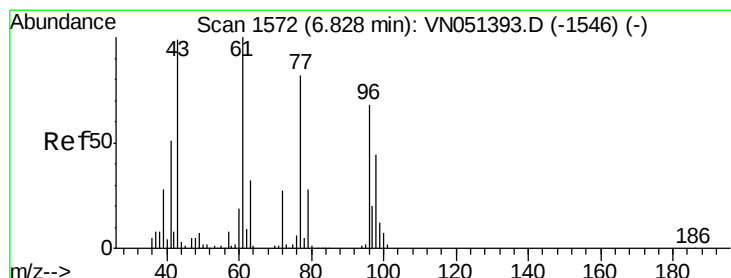
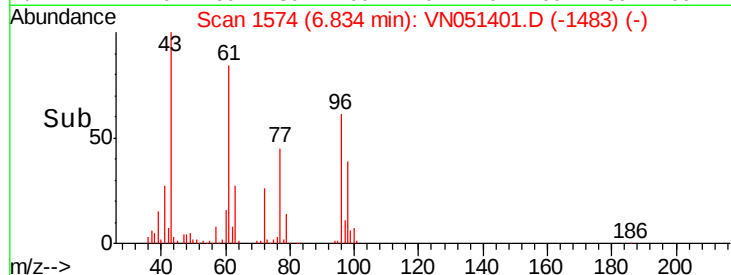
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 33.055 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051401.D

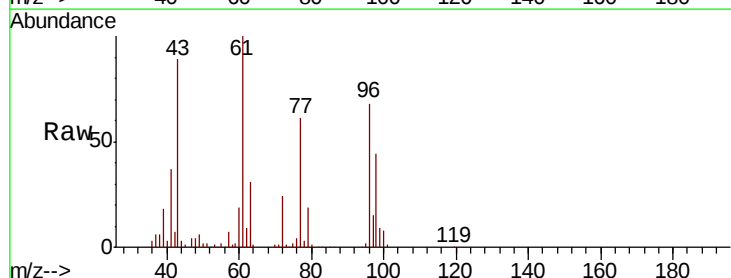
Acq: 23 Sep 2018 9:38

Tgt Ion: 77 Resp: 299916

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

60000

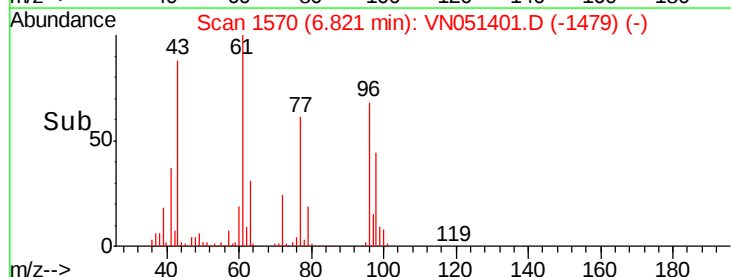
40000

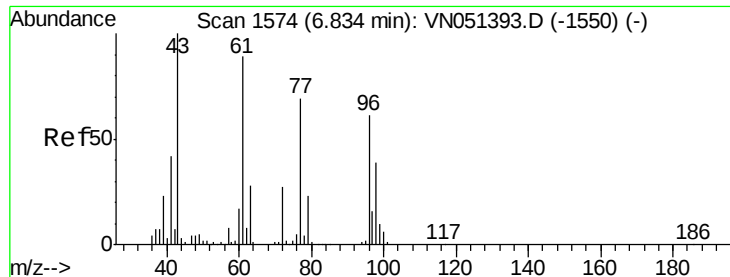
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.611 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

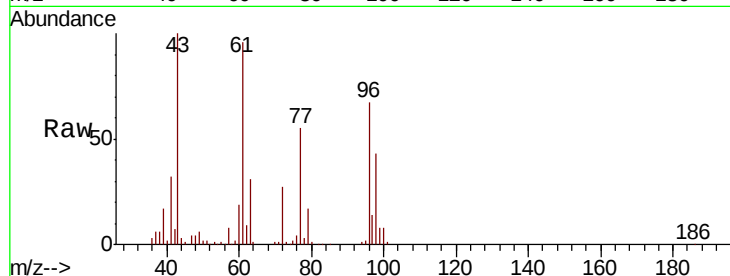
Tgt Ion: 96 Resp: 334500

Ion Ratio Lower Upper

96 100

61 142.6 0.0 291.4

98 64.4 0.0 128.4

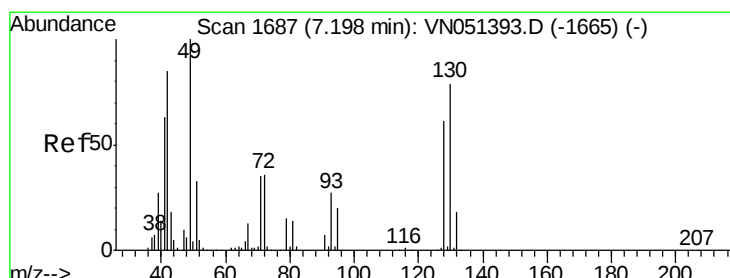
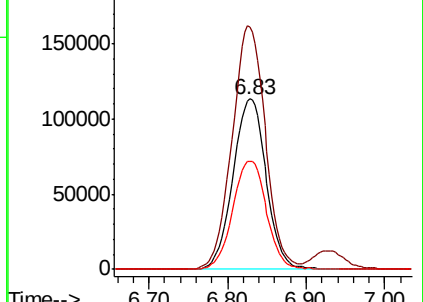
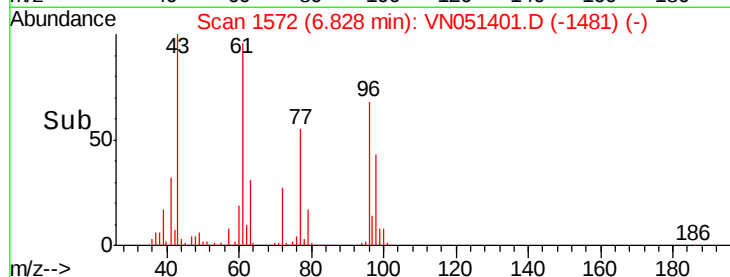


Abundance Ion 95.90 (95.60 to 96.60): VN051393.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-1550) (-)

Time-->



#28

Bromochloromethane

Concen: 49.635 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

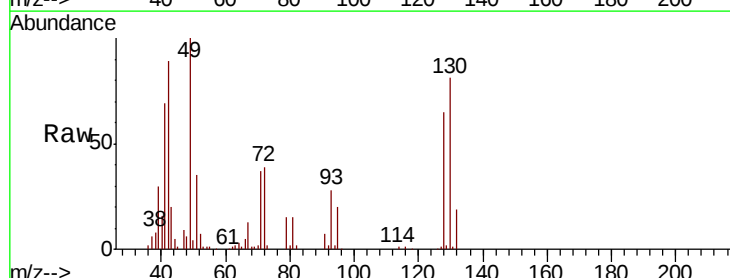
Tgt Ion: 49 Resp: 266418

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 79.7 63.0 94.4

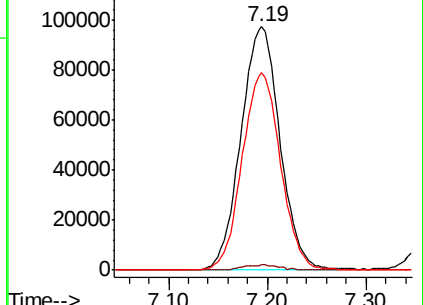
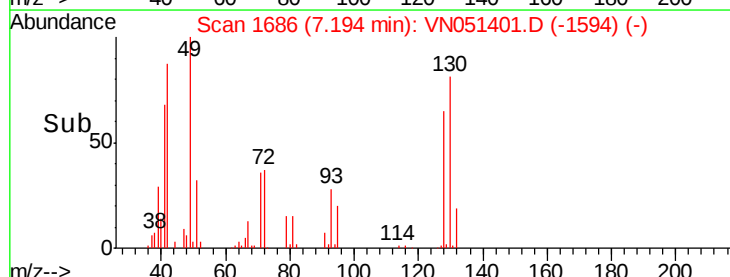


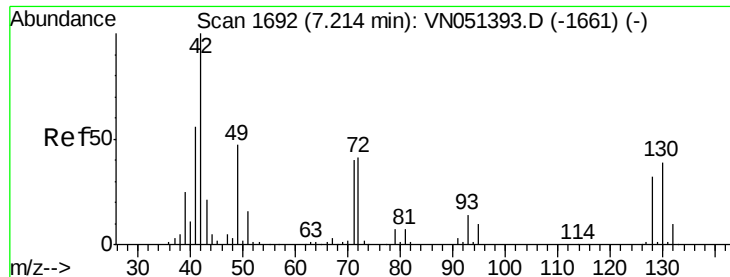
Abundance Ion 48.90 (48.60 to 49.60): VN051393.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051393.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051393.D (-1665) (-)

Time-->





#29

Tetrahydrofuran

Concen: 243.409 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

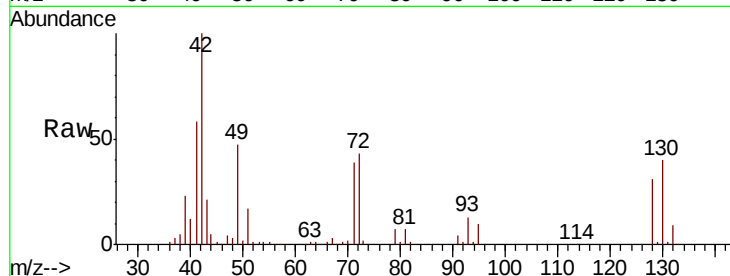
Tgt Ion: 42 Resp: 357060

Ion Ratio Lower Upper

42 100

72 42.6 34.3 51.5

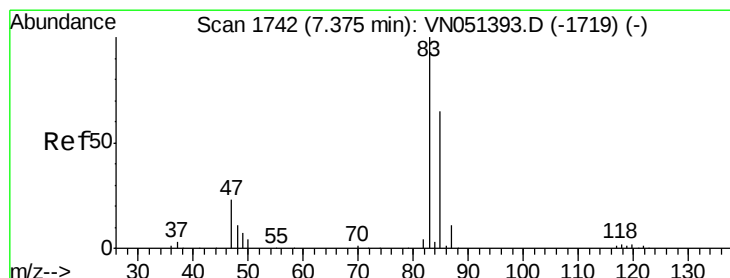
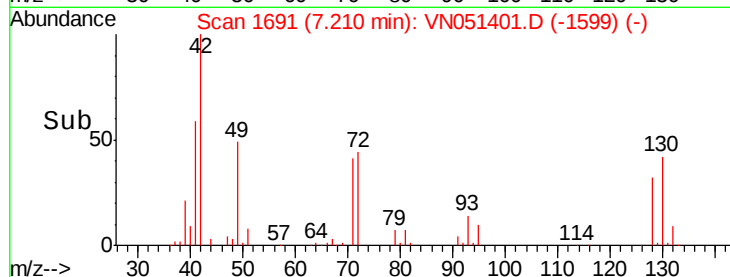
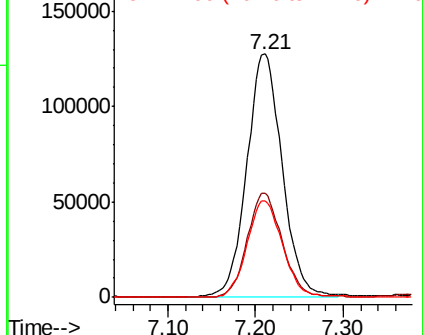
71 39.7 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.109 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051401.D

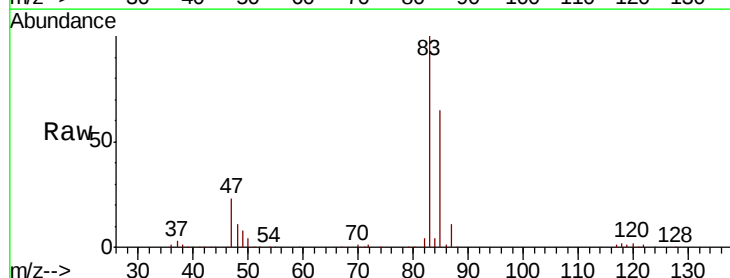
Acq: 23 Sep 2018 9:38

Tgt Ion: 83 Resp: 577114

Ion Ratio Lower Upper

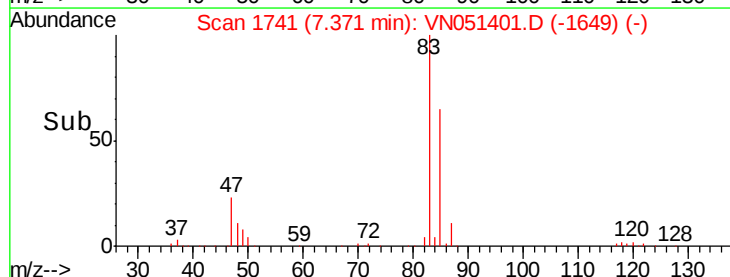
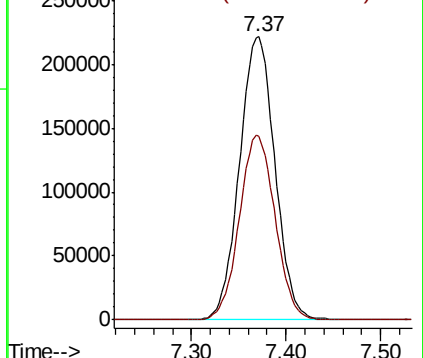
83 100

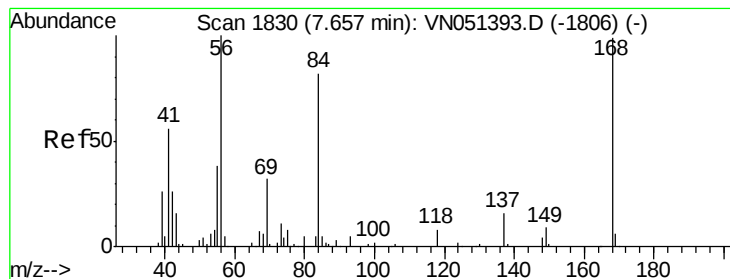
85 64.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.703 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

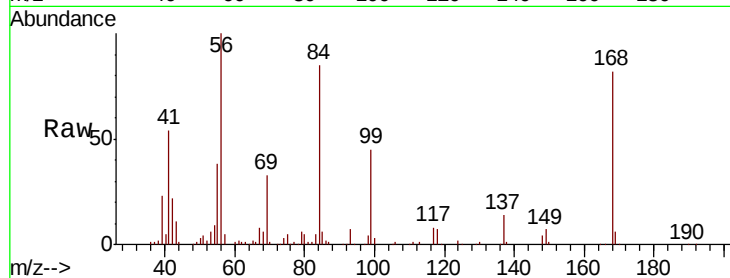
Tgt Ion: 56 Resp: 518645

Ion Ratio Lower Upper

56 100

69 32.8 25.8 38.6

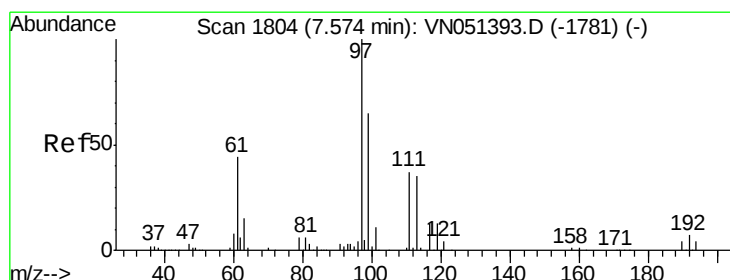
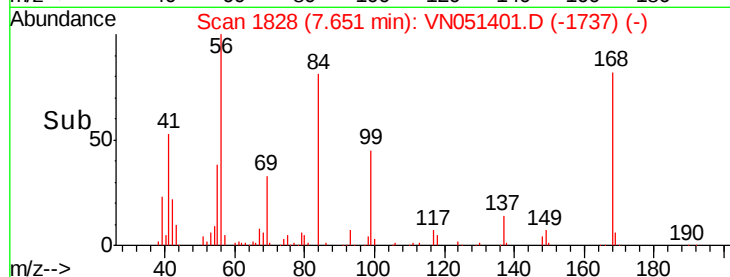
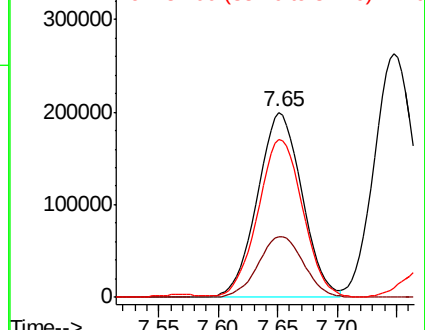
84 83.8 66.0 99.0



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: 51.031 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

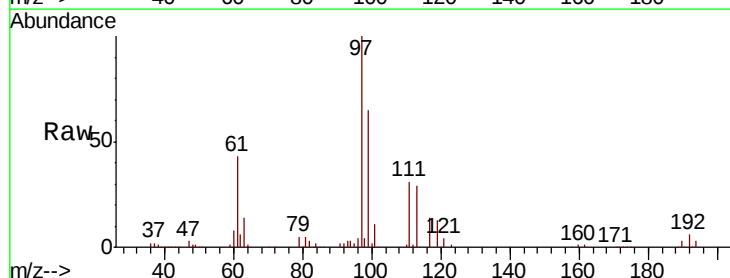
Tgt Ion: 97 Resp: 502456

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

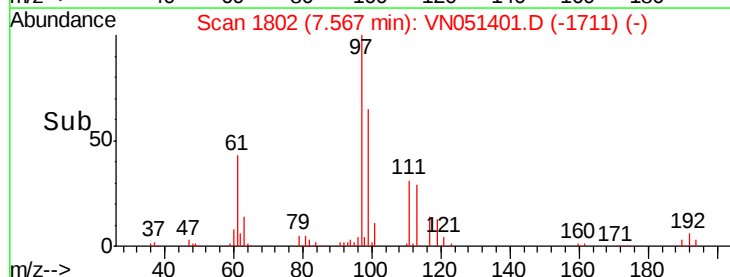
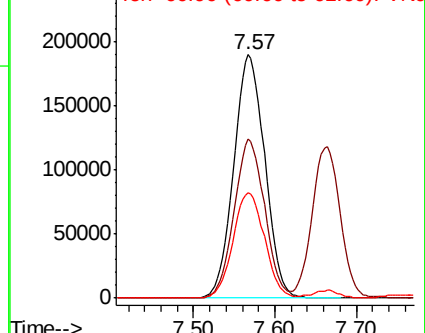
61 44.0 35.8 53.8

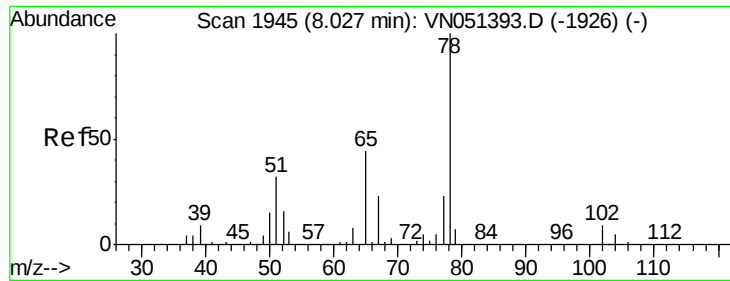


Abundance Ion 96.90 (96.60 to 97.60): VN051393.D (-1781) (-)

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

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

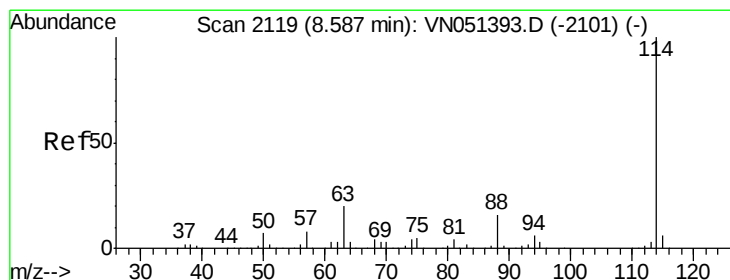
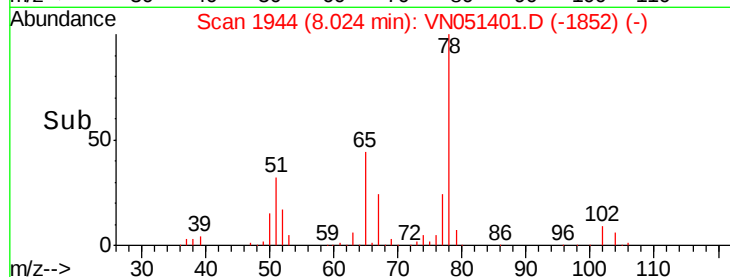
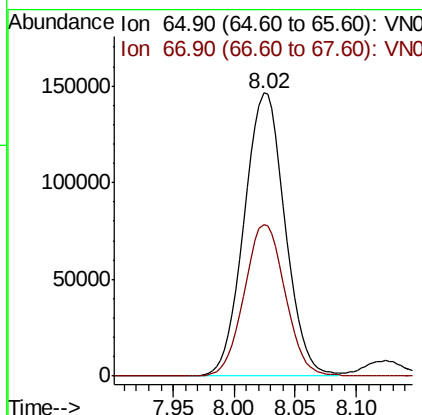
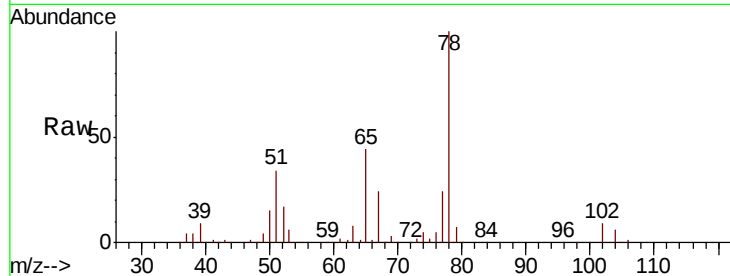




#33
 1,2-Dichloroethane-d4
 Concen: 50.173 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

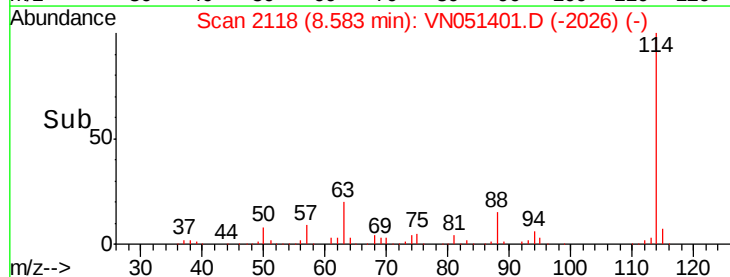
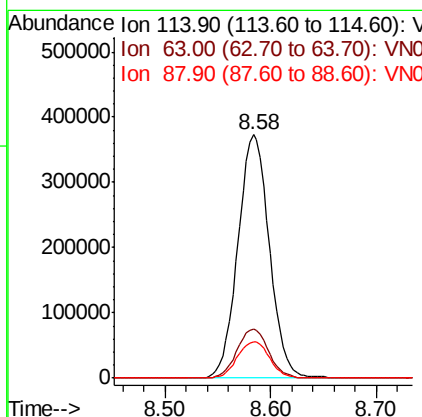
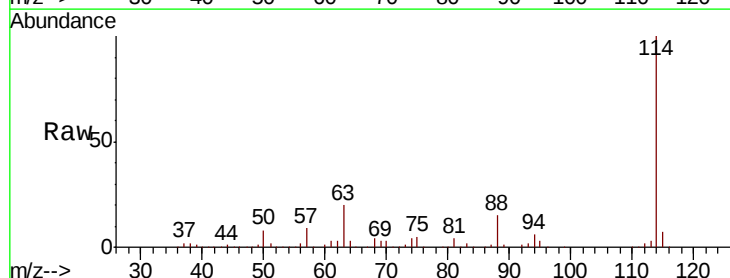
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

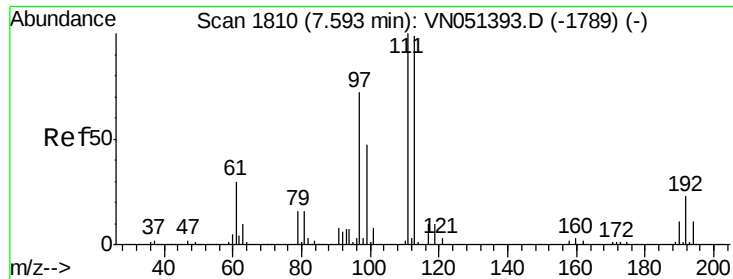
Tgt Ion: 65 Resp: 339316
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 114 Resp: 771886
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.1 0.0 31.4

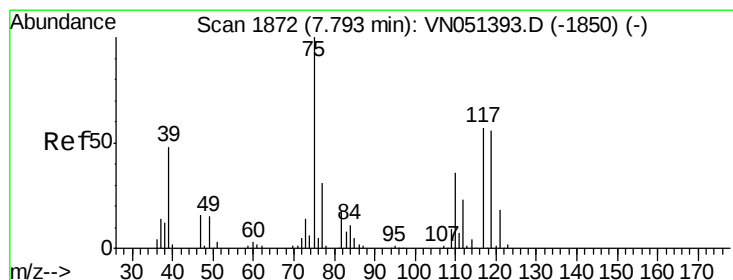
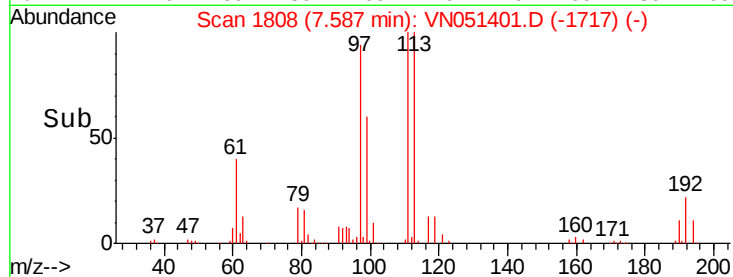
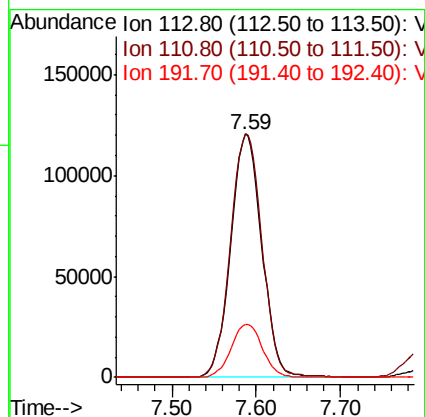
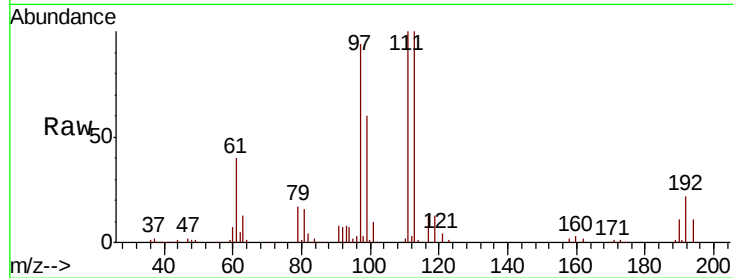




#35
 Dibromofluoromethane
 Concen: 49.999 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

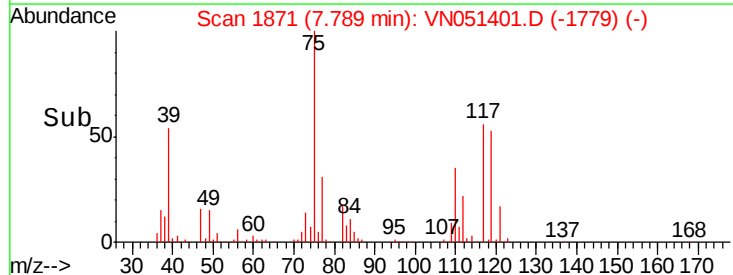
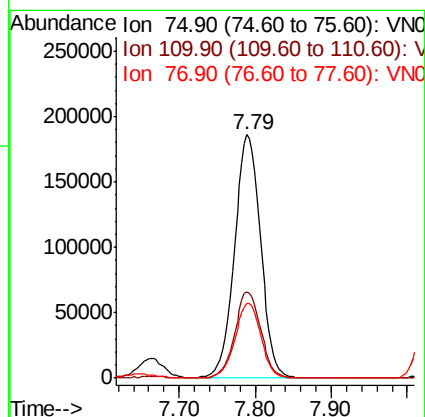
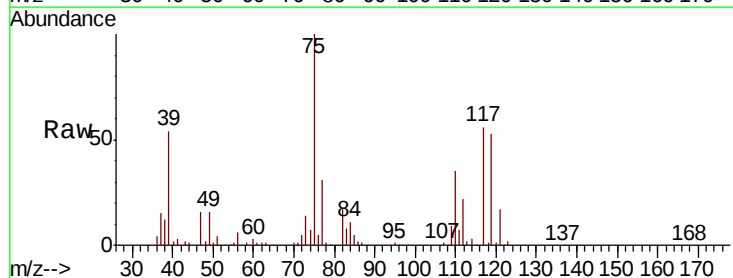
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

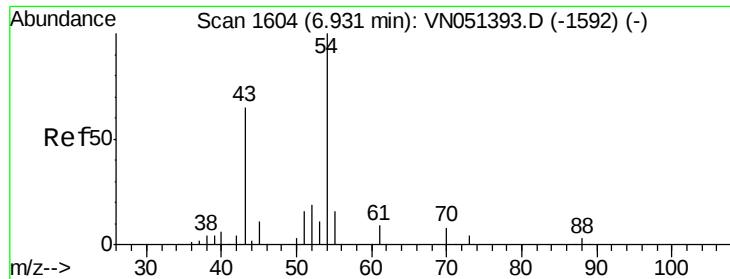
Tgt Ion: 113 Resp: 308614
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 22.1 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 49.556 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 75 Resp: 442956
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.1 54.3
 77 30.7 25.6 38.4

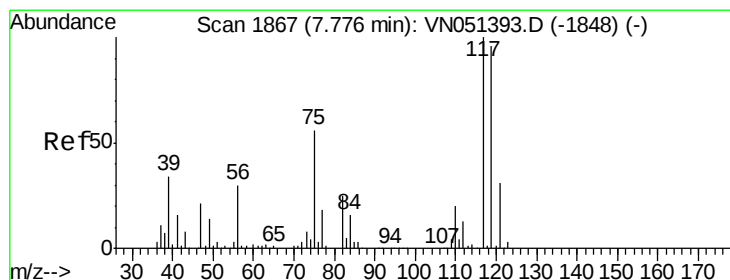
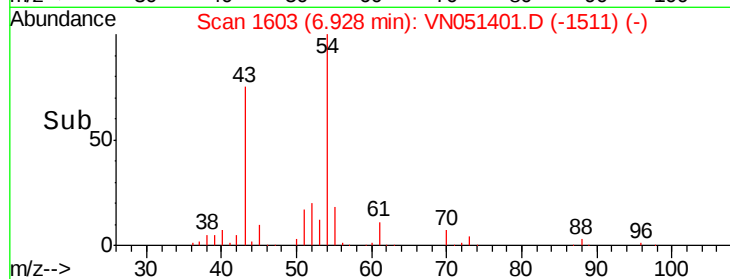
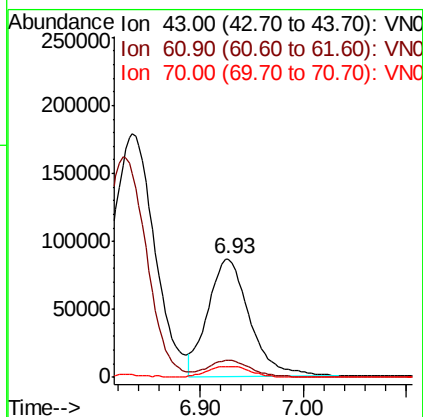
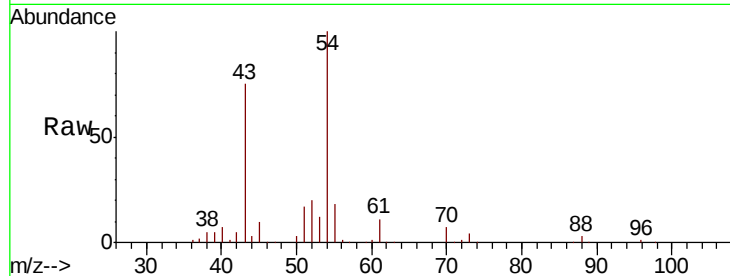




#37
Ethyl Acetate
Concen: 47.066 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

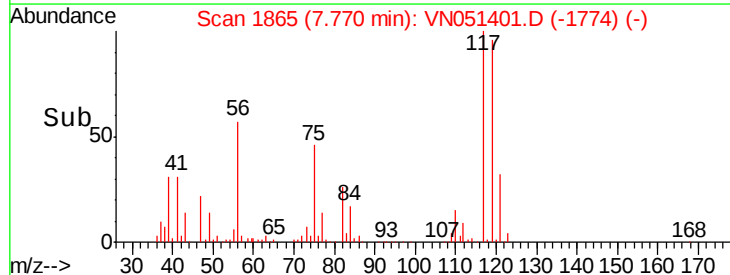
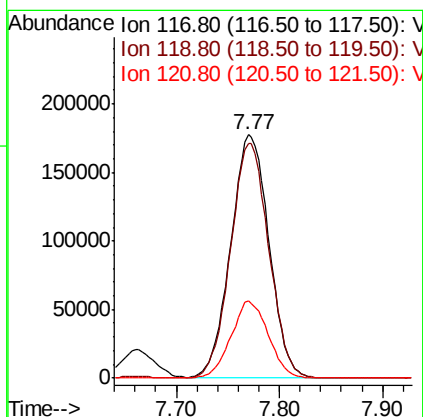
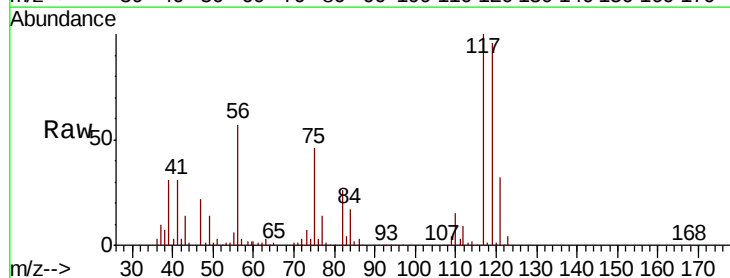
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

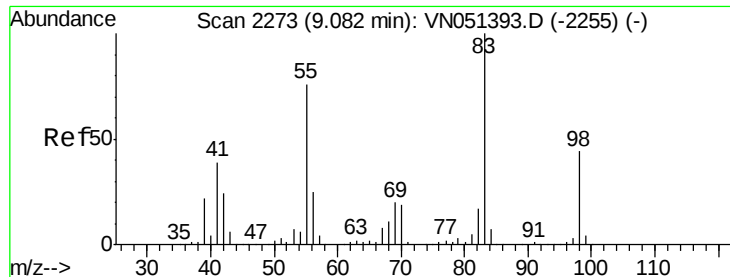
Tgt Ion: 43 Resp: 241891
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 49.076 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 117 Resp: 458827
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 31.5 24.6 37.0

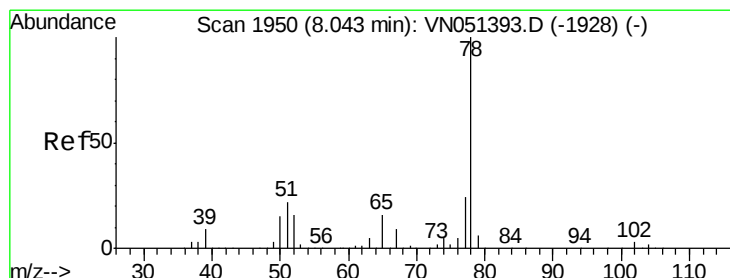
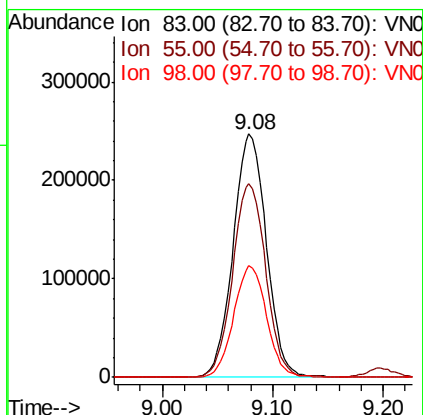
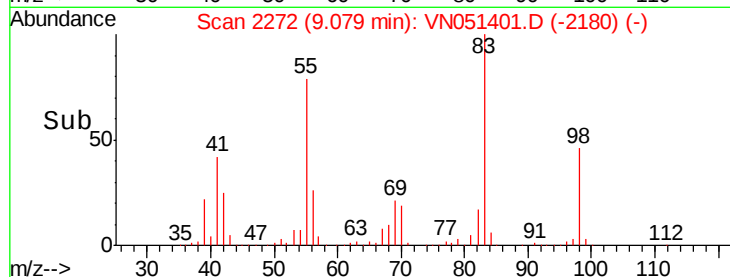
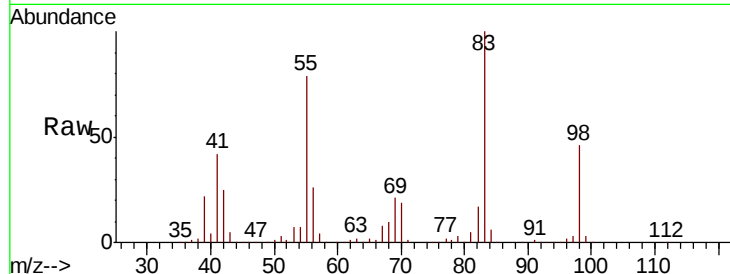




#39
Methylcyclohexane
Concen: 49.511 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

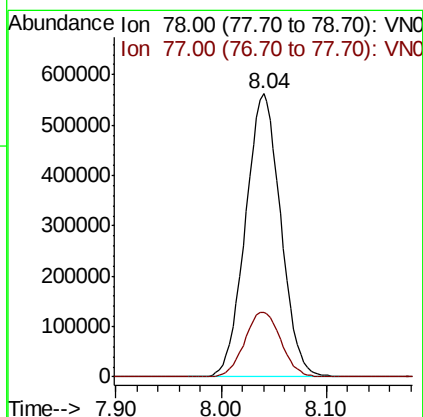
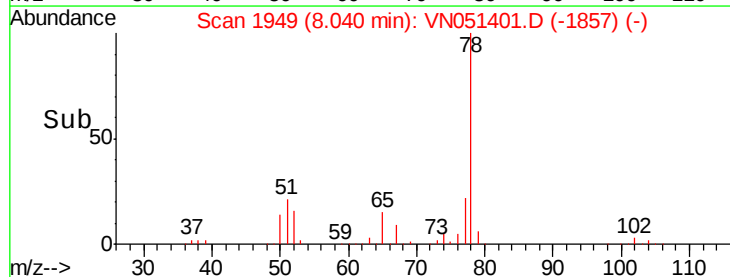
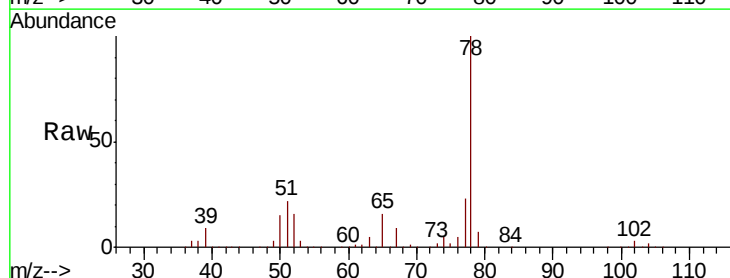
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

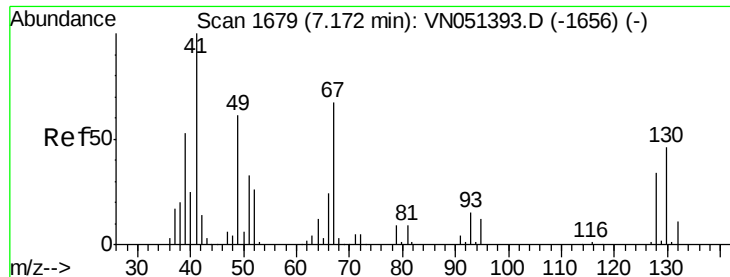
Tgt Ion: 83 Resp: 517352
Ion Ratio Lower Upper
83 100
55 79.2 61.0 91.4
98 45.7 35.6 53.4



#40
Benzene
Concen: 49.806 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 78 Resp: 1307178
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8

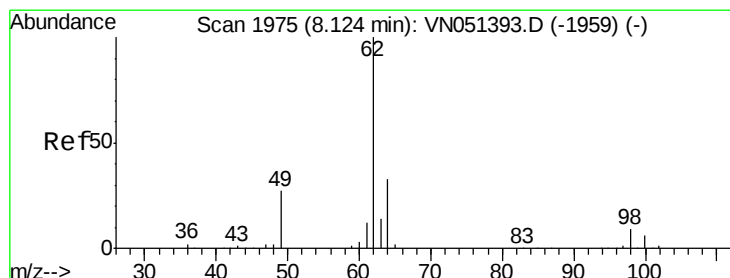
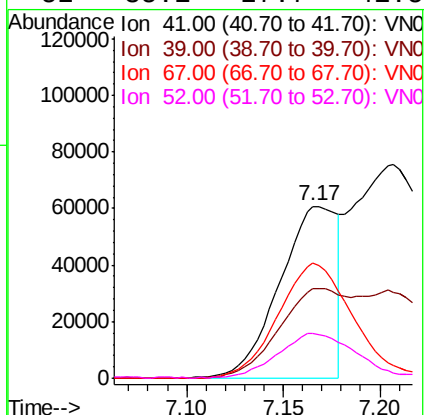
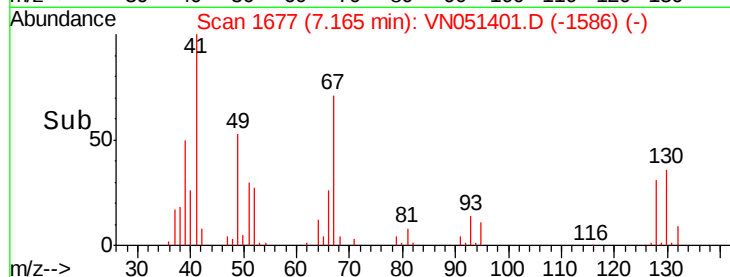
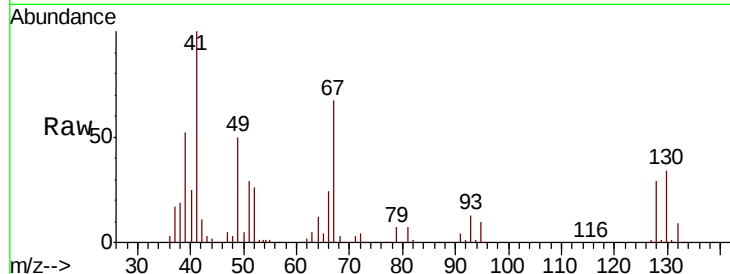




#41
Methacrylonitrile
Concen: 44.168 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

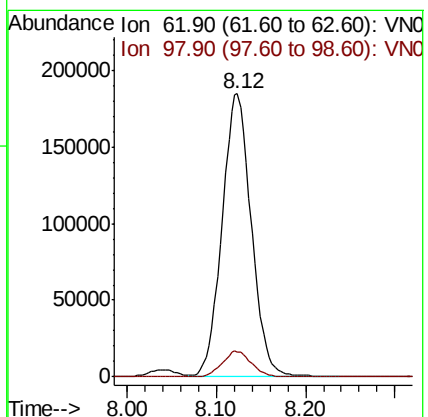
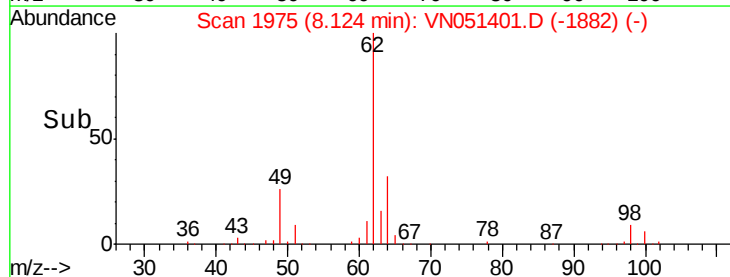
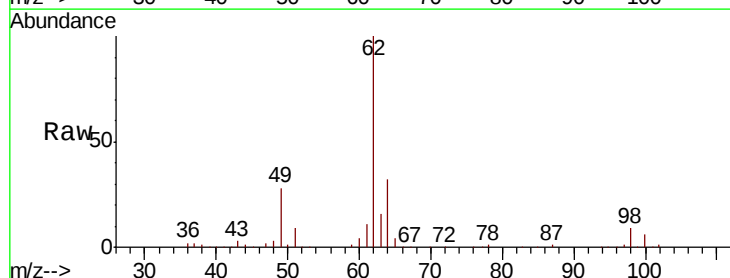
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

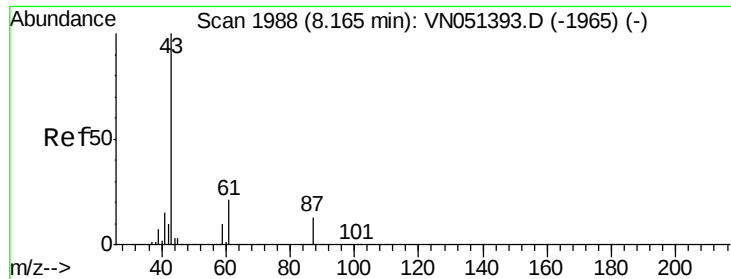
Tgt Ion: 41 Resp: 125584
Ion Ratio Lower Upper
41 100
39 61.7 51.4 77.2
67 88.4 66.8 100.2
52 35.1 27.7 41.5



#42
1,2-Dichloroethane
Concen: 49.594 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 62 Resp: 416786
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6

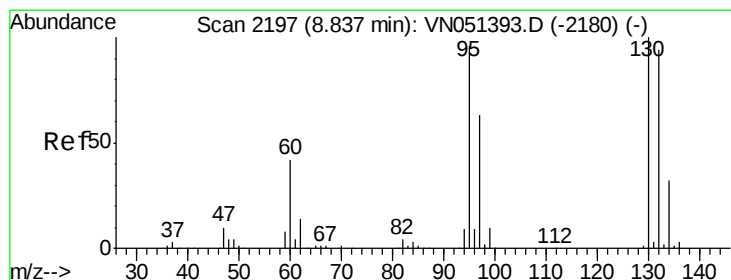
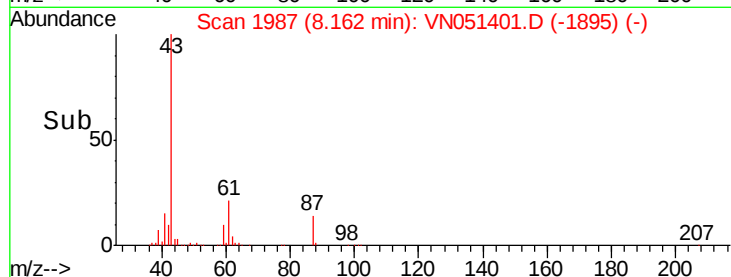
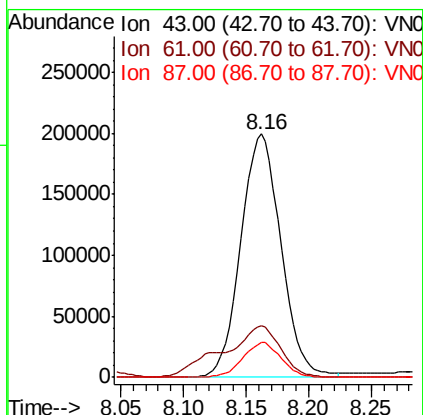
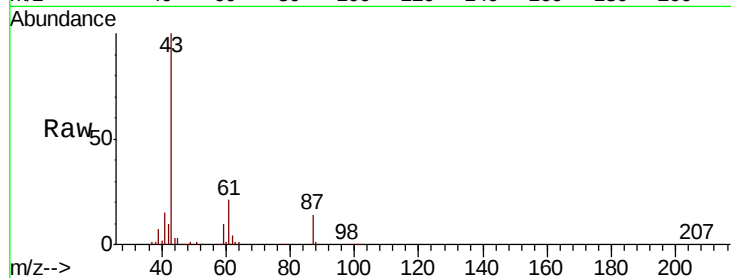




#43
Isopropyl Acetate
Concen: 47.589 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

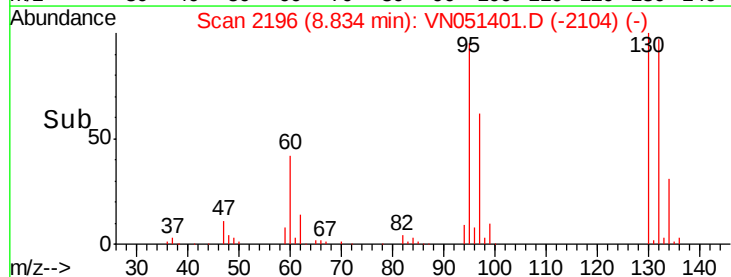
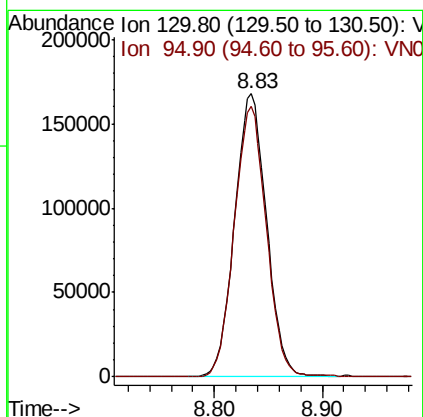
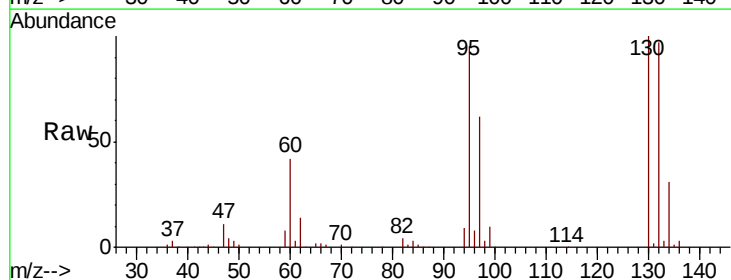
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

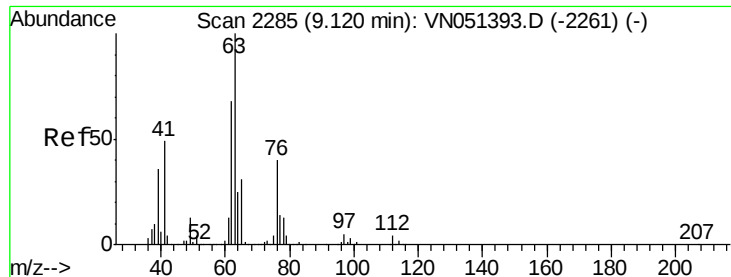
Tgt Ion: 43 Resp: 442259
Ion Ratio Lower Upper
43 100
61 19.6 16.8 25.2
87 13.8 10.7 16.1



#44
Trichloroethene
Concen: 49.378 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 130 Resp: 344221
Ion Ratio Lower Upper
130 100
95 95.4 0.0 192.2





#45

1,2-Dichloropropane

Concen: 49.498 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

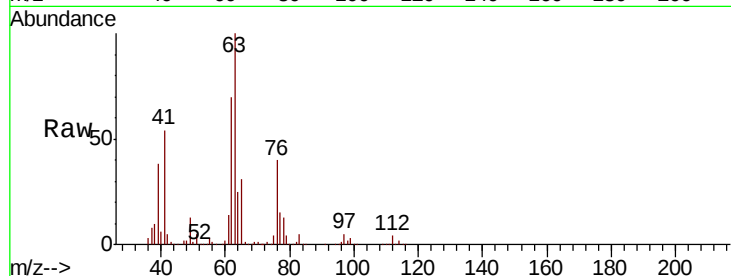
VSTDCCC050

Tgt Ion: 63 Resp: 353135

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

150000

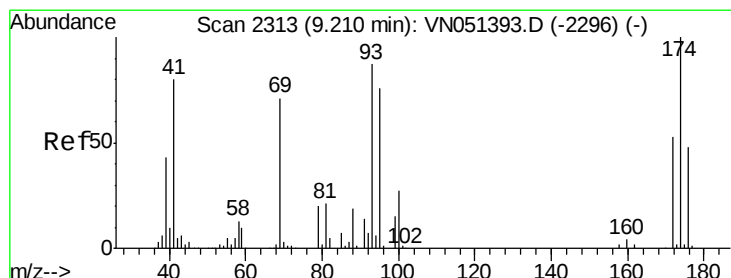
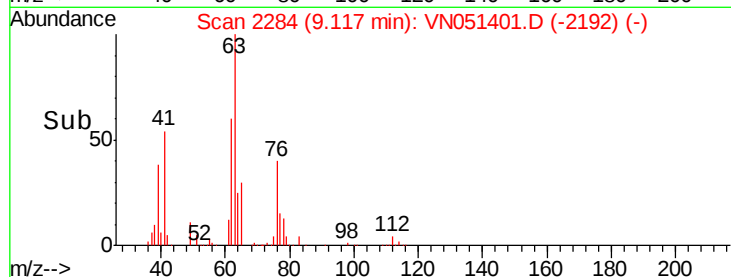
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 49.097 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

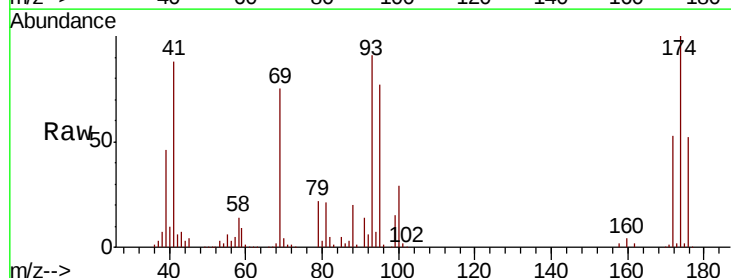
Tgt Ion: 93 Resp: 197916

Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 109.7 89.6 134.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

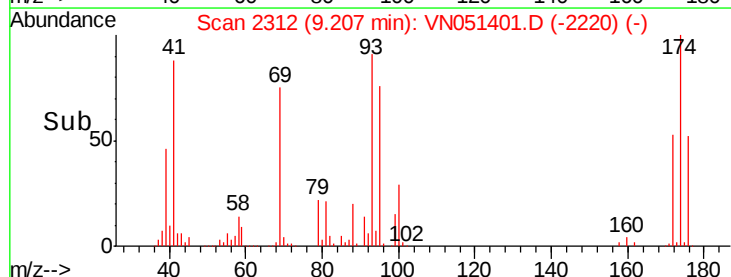
100000

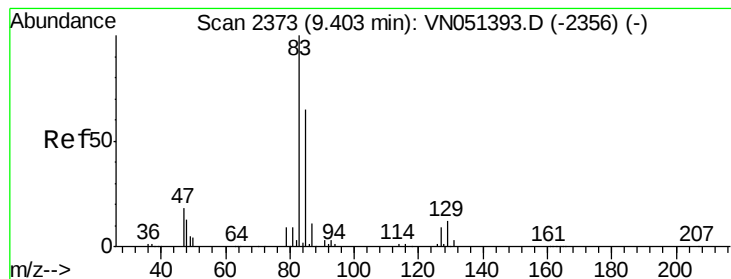
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 49.912 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

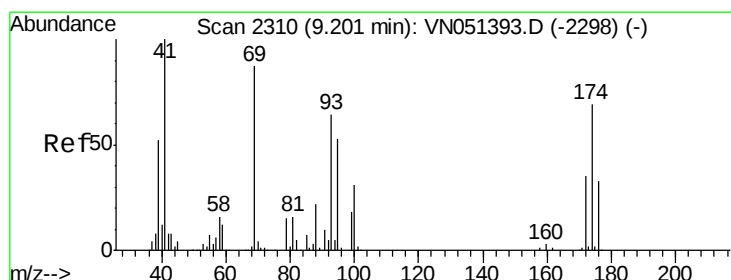
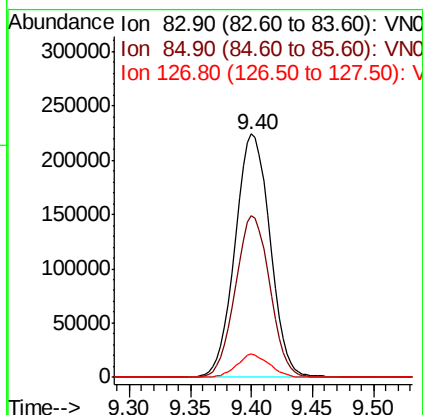
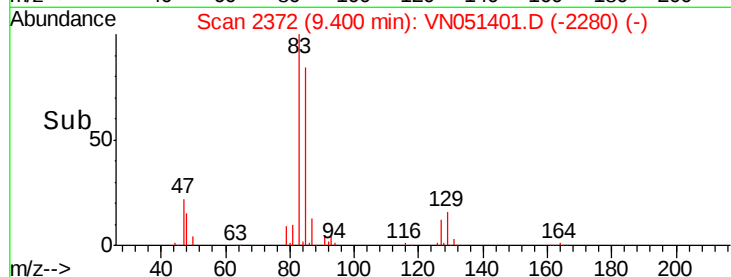
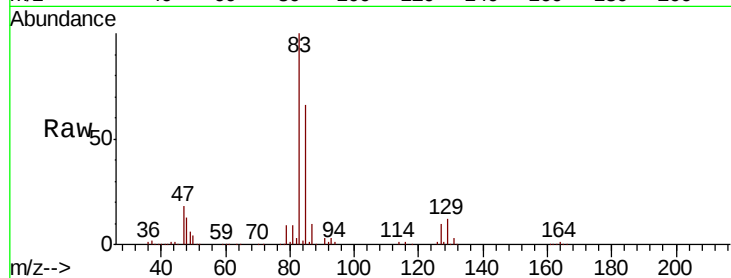
Tgt Ion: 83 Resp: 445251

Ion Ratio Lower Upper

83 100

85 66.4 51.8 77.6

127 9.5 7.4 11.2



#48

Methyl methacrylate

Concen: 48.950 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

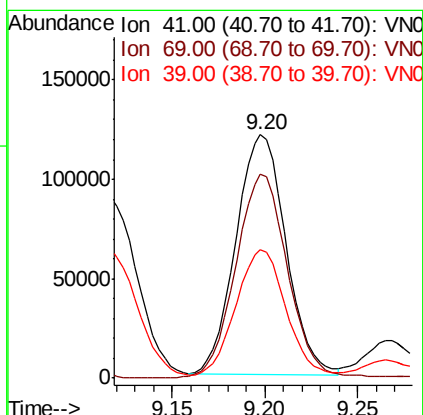
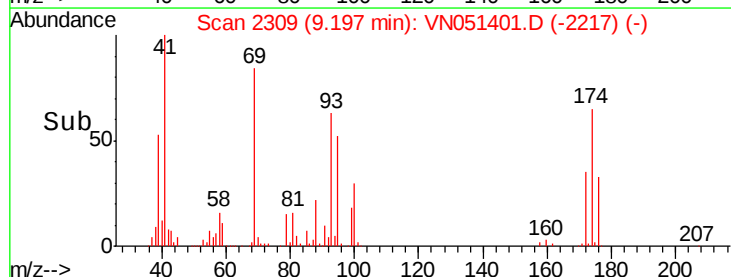
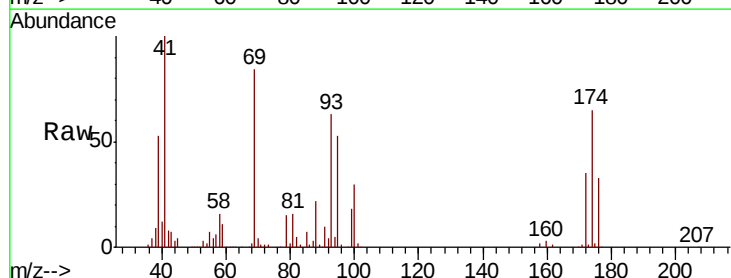
Tgt Ion: 41 Resp: 226803

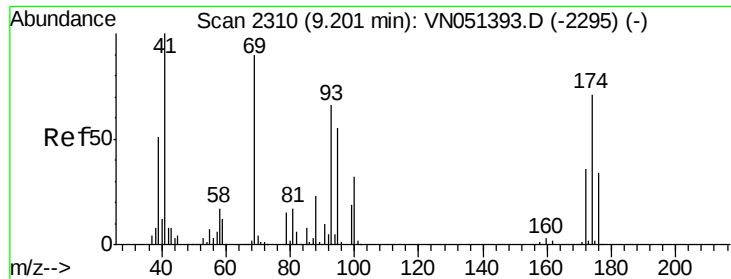
Ion Ratio Lower Upper

41 100

69 87.8 70.4 105.6

39 54.1 43.8 65.8





#49

1,4-Dioxane

Concen: 979.093 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

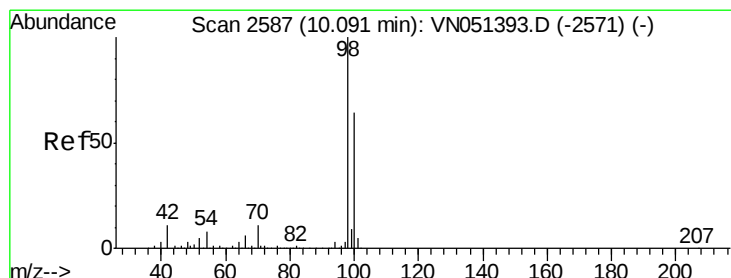
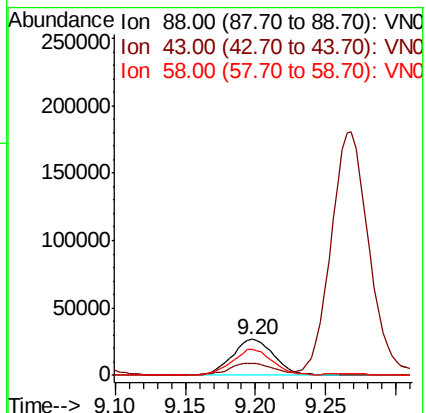
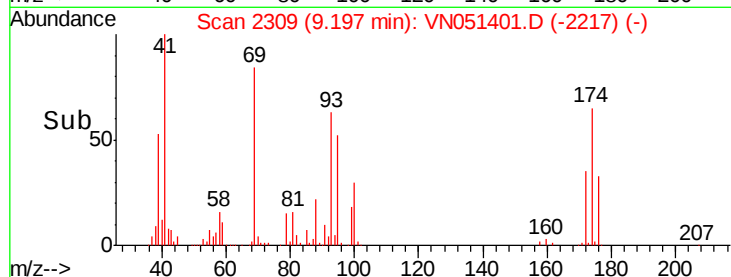
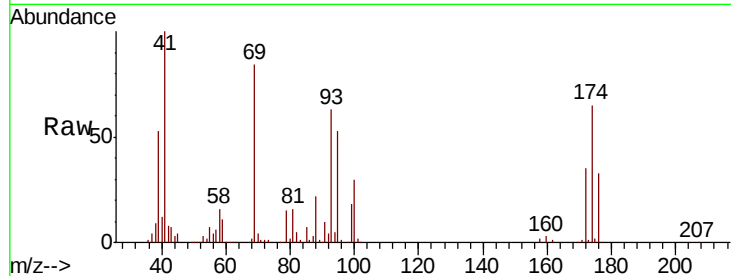
Tgt Ion: 88 Resp: 55597

Ion Ratio Lower Upper

88 100

43 33.0 25.9 38.9

58 70.5 57.0 85.4



#50

Toluene-d8

Concen: 50.401 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051401.D

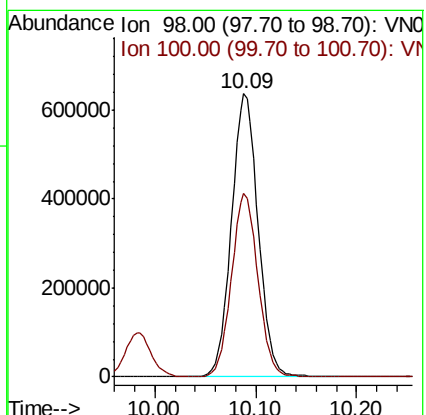
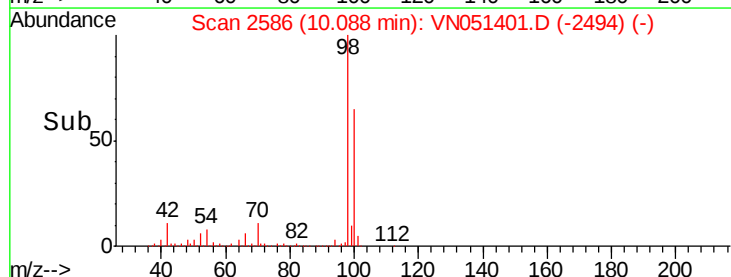
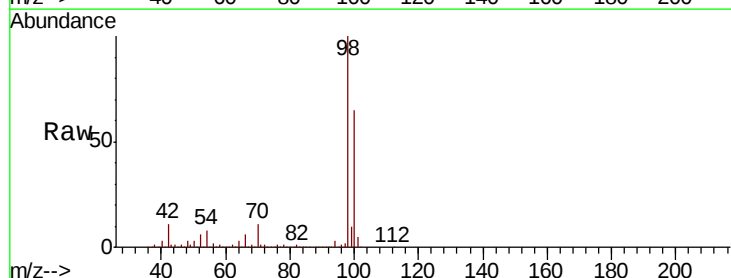
Acq: 23 Sep 2018 9:38

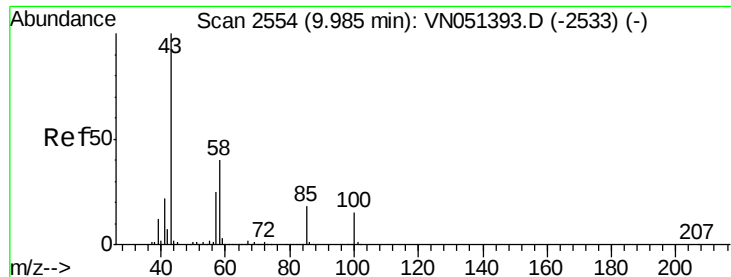
Tgt Ion: 98 Resp: 1171481

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8

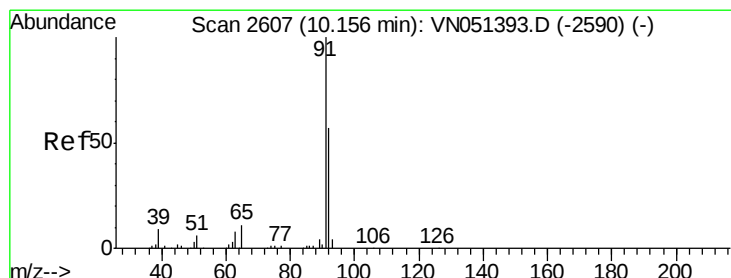
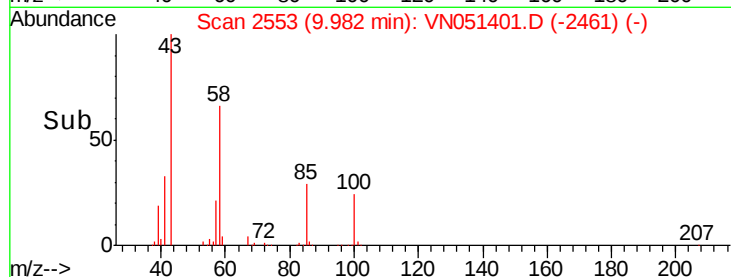
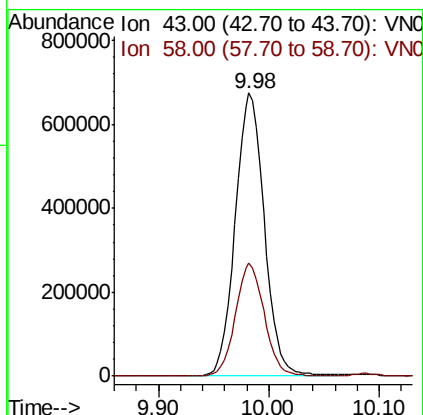
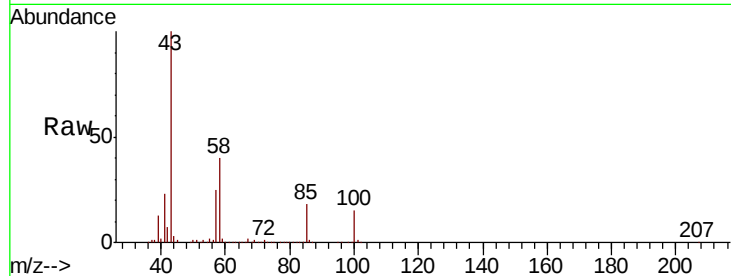




#51
 4-Methyl-2-Pentanone
 Concen: 240.972 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

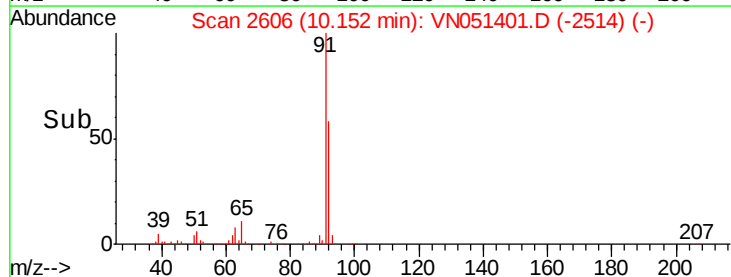
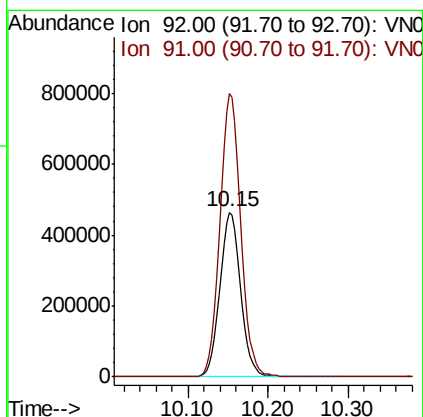
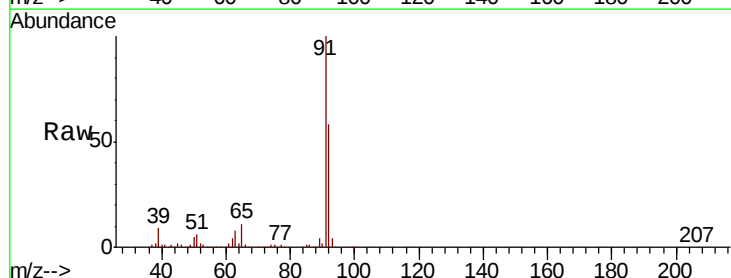
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

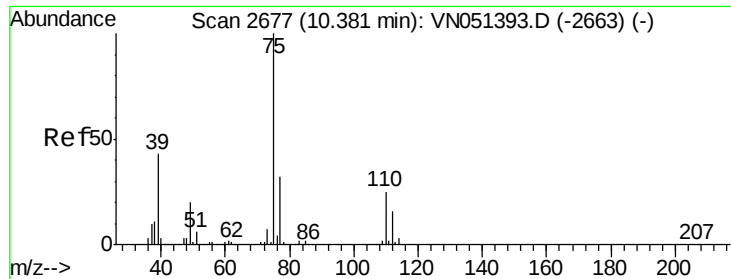
Tgt Ion: 43 Resp: 1231609
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.5 47.3



#52
 Toluene
 Concen: 51.187 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 92 Resp: 834888
 Ion Ratio Lower Upper
 92 100
 91 172.8 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 46.377 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

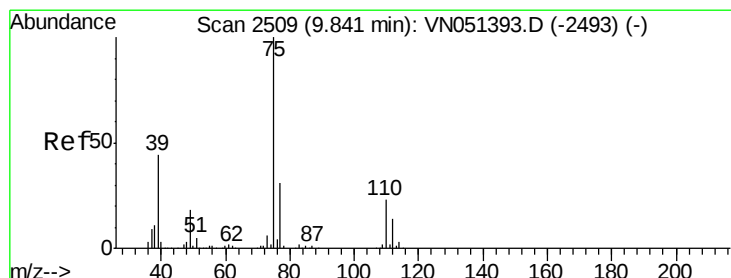
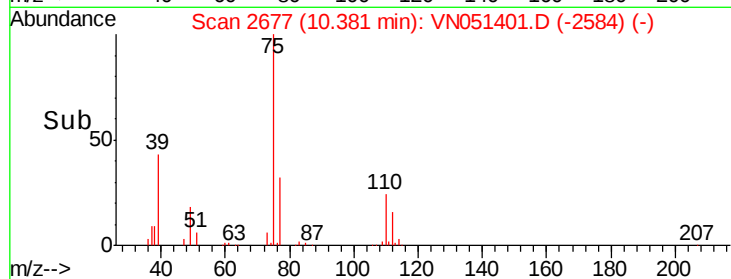
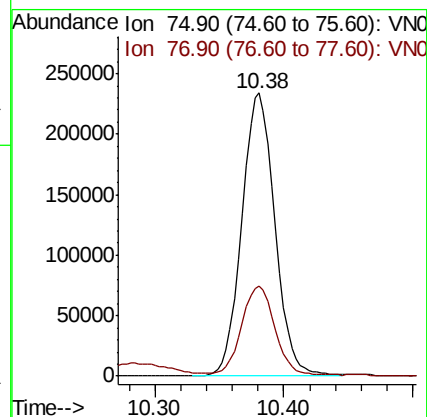
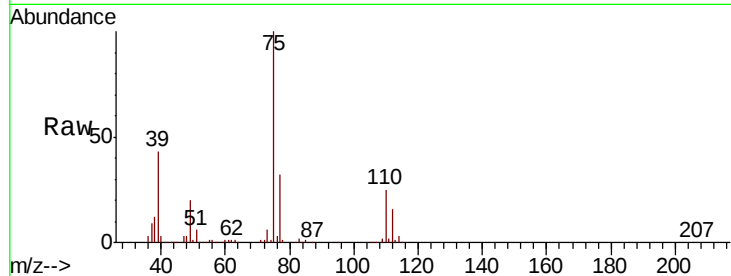
VSTDCCC050

Tgt Ion: 75 Resp: 417678

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 46.864 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

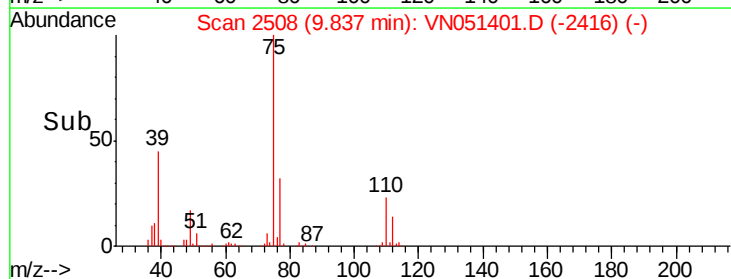
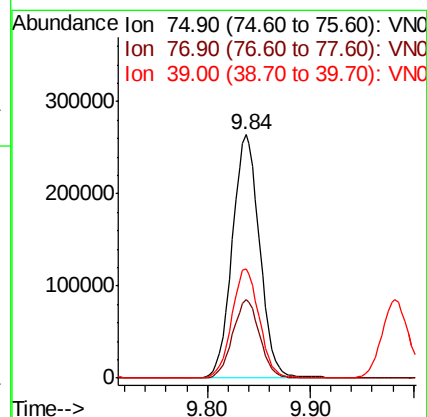
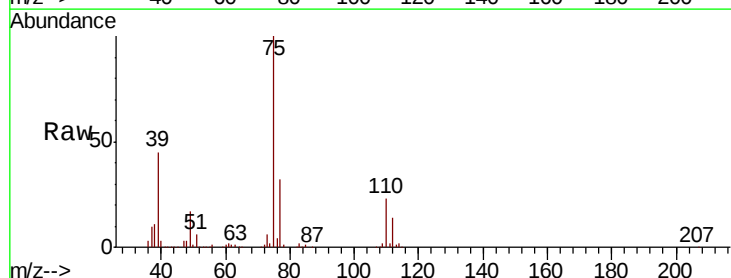
Tgt Ion: 75 Resp: 489463

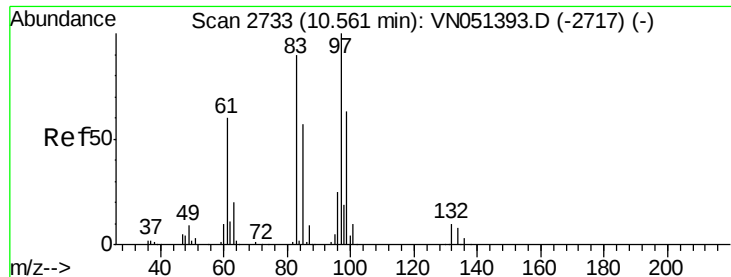
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 44.9 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 49.433 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 284952

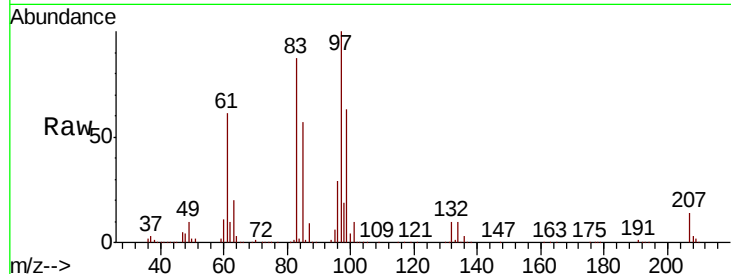
Ion Ratio Lower Upper

97 100

83 86.9 72.0 108.0

85 56.6 45.2 67.8

99 62.9 50.7 76.1



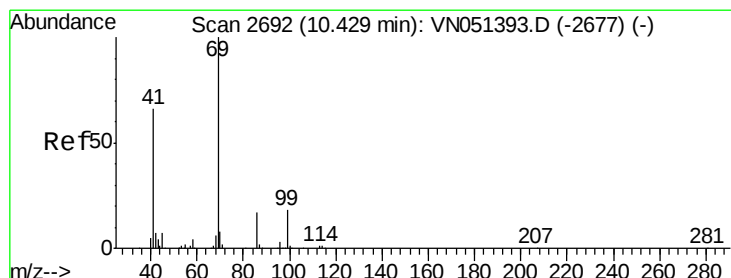
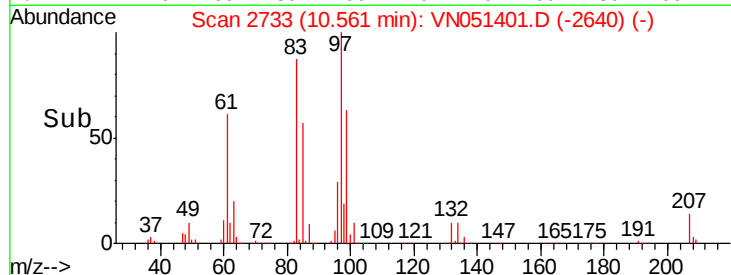
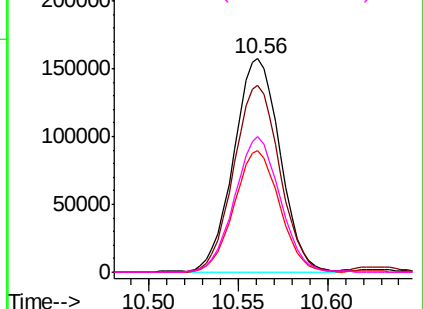
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.877 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

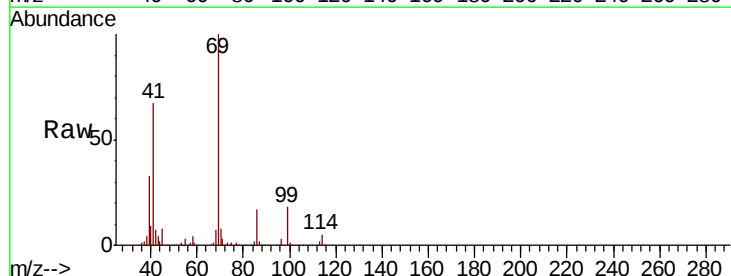
Tgt Ion: 69 Resp: 351519

Ion Ratio Lower Upper

69 100

41 66.8 52.4 78.6

39 32.2 26.3 39.5

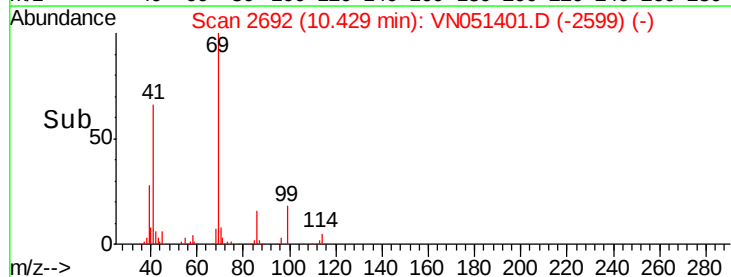
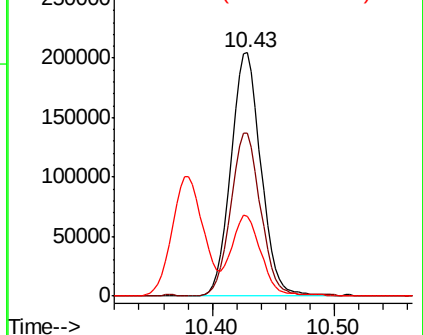


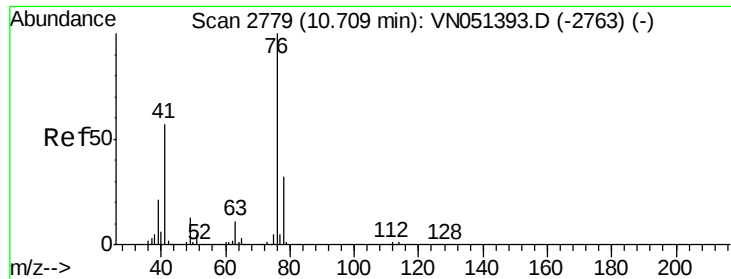
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

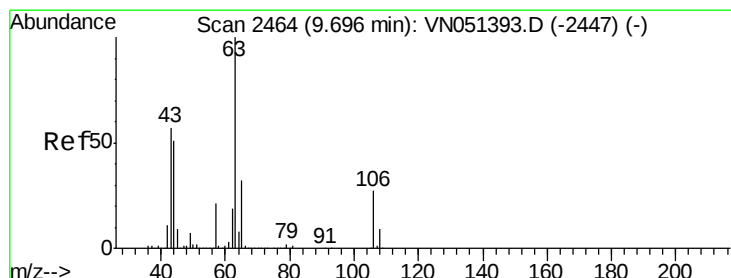
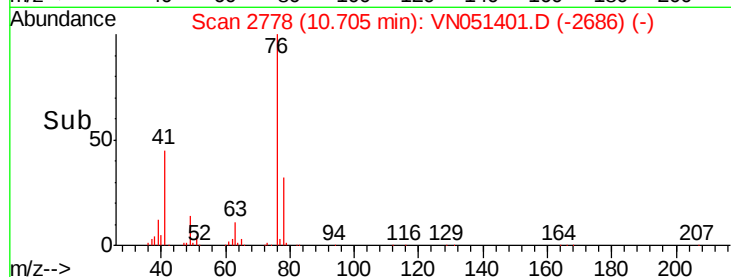
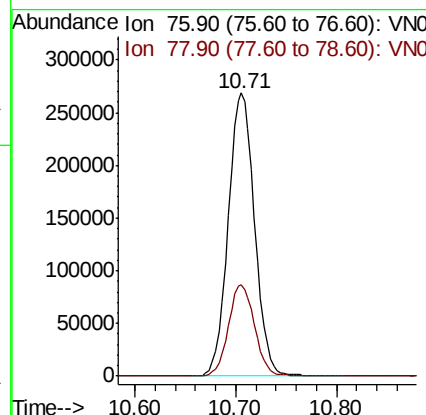
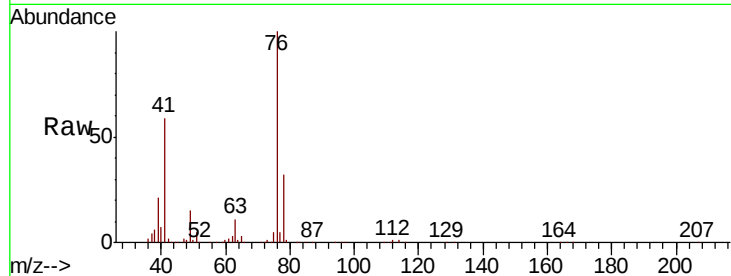




#57
 1,3-Dichloropropane
 Concen: 49.494 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

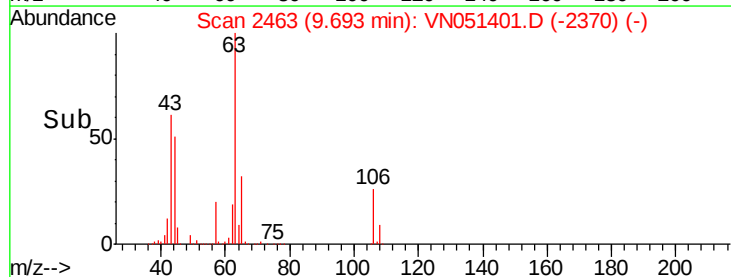
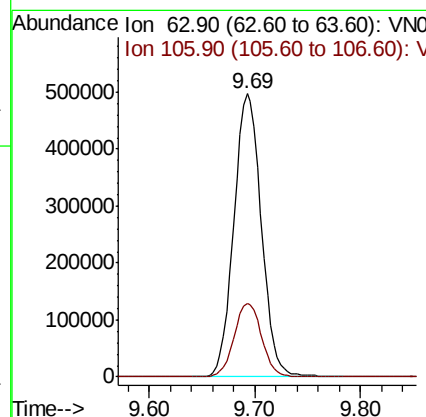
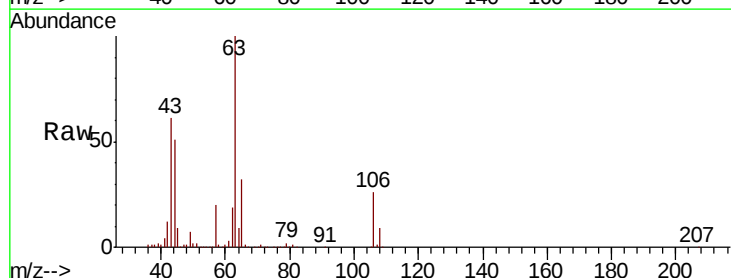
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

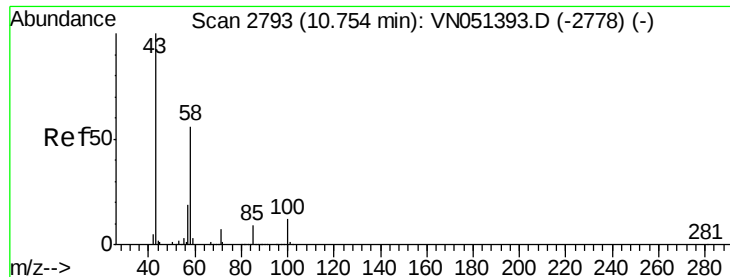
Tgt Ion: 76 Resp: 489016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.999 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 63 Resp: 895389
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.4 32.2

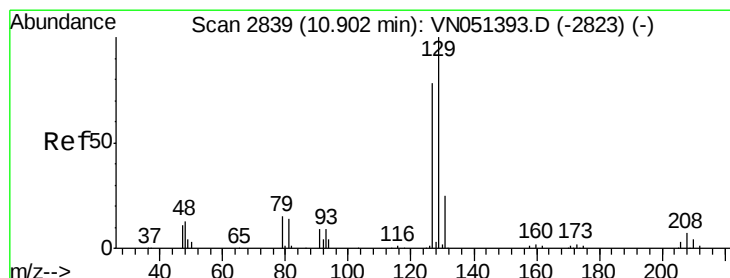
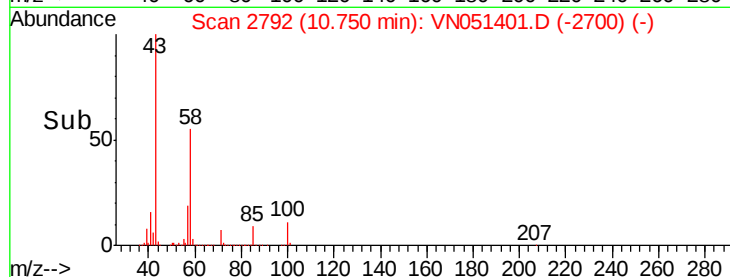
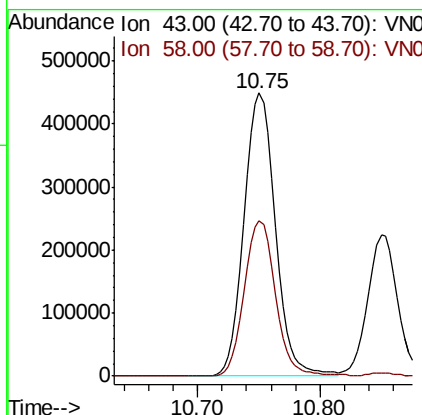
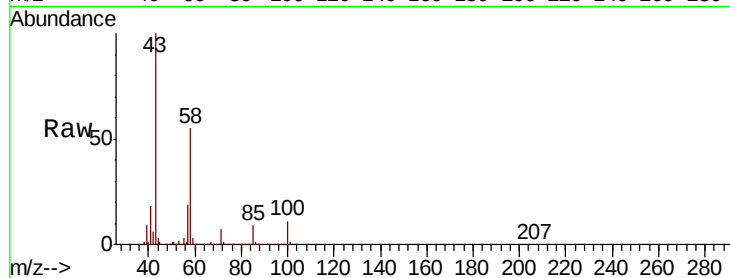




#59
2-Hexanone
Concen: 238.996 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

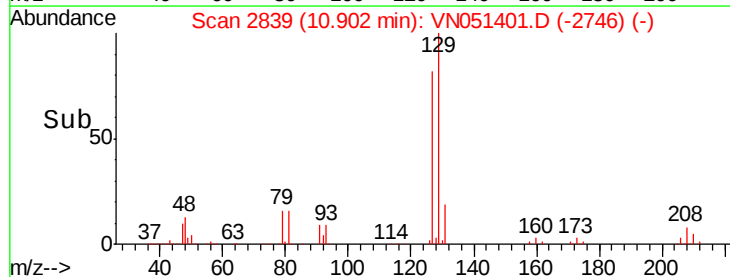
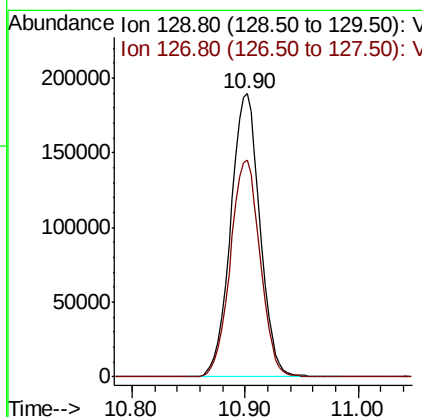
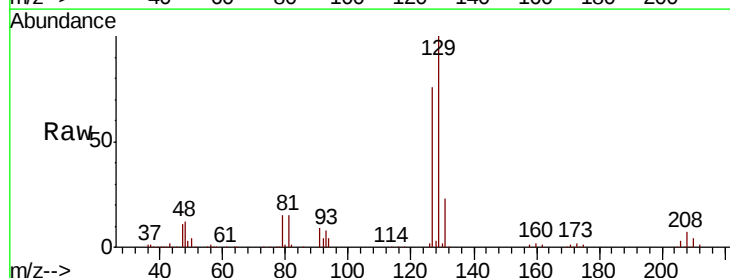
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

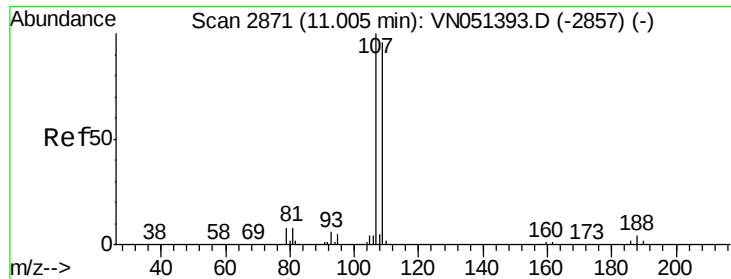
Tgt Ion: 43 Resp: 791858
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0



#60
Dibromochloromethane
Concen: 50.112 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 129 Resp: 340831
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0

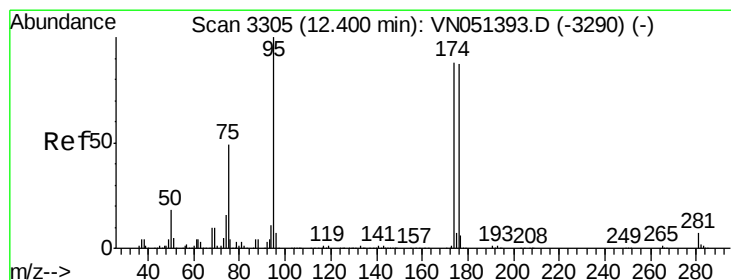
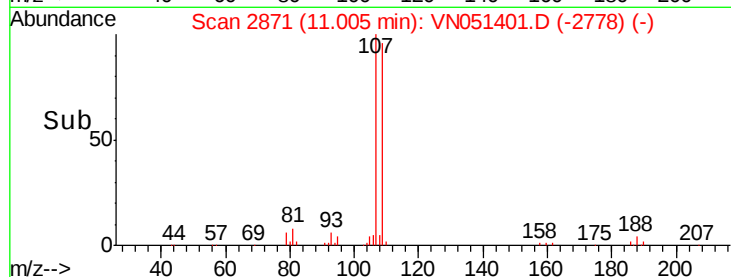
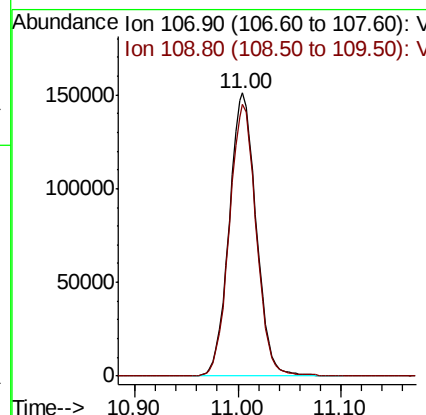
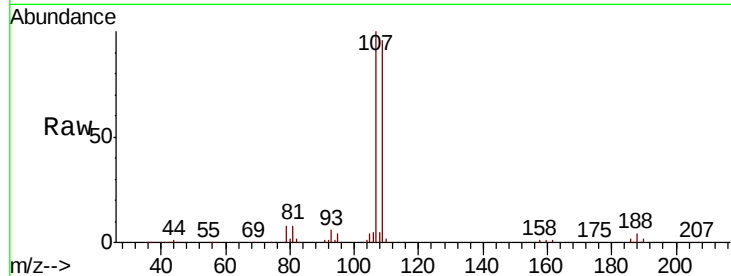




#61
 1,2-Dibromoethane
 Concen: 49.201 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

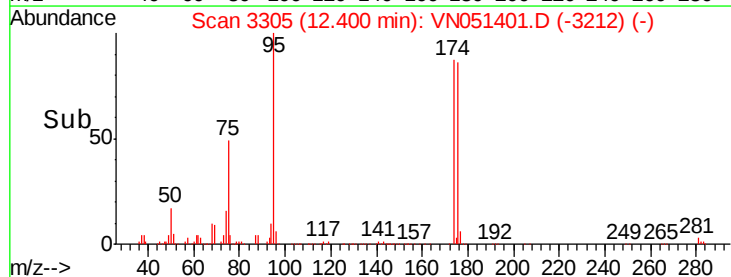
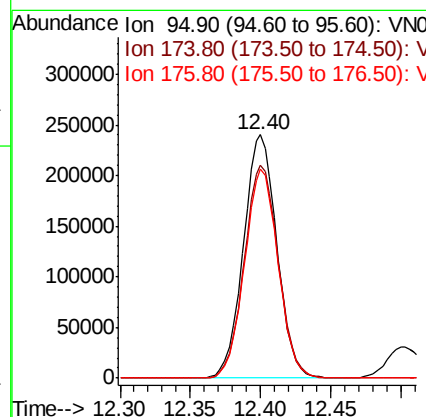
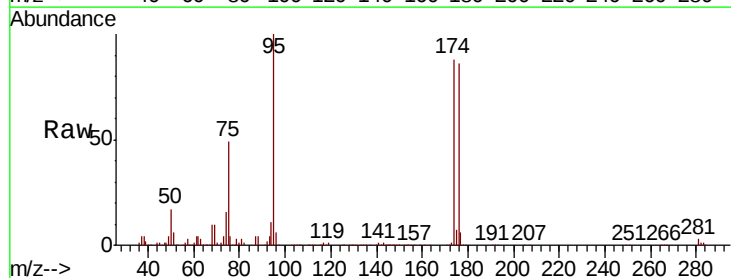
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

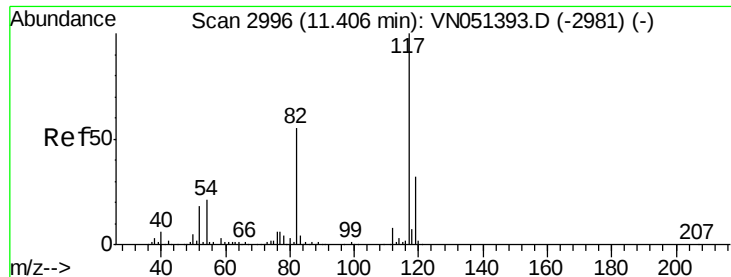
Tgt Ion: 107 Resp: 275321
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 52.902 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 95 Resp: 397778
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 181.6
 176 86.5 0.0 176.4

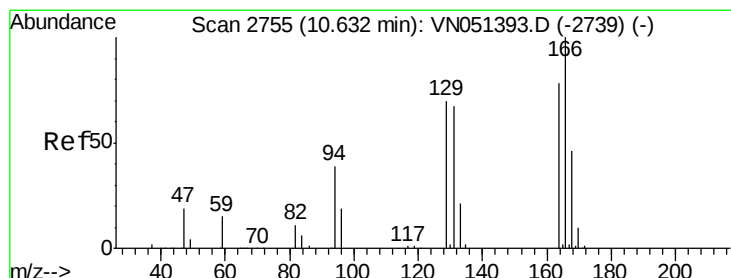
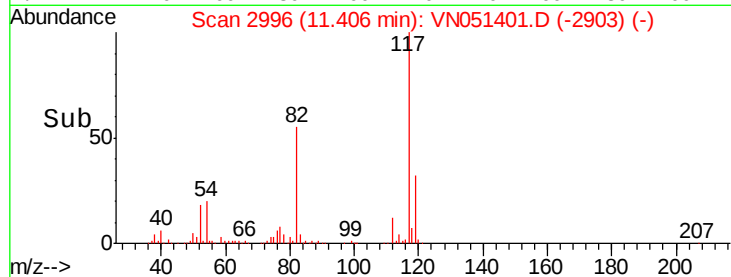
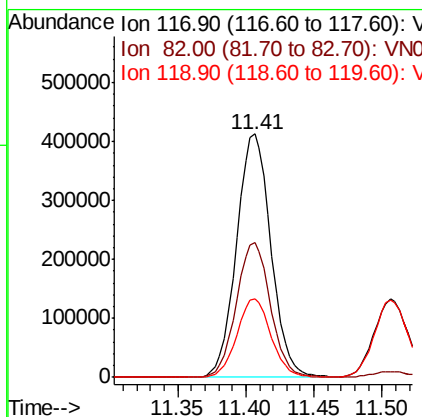
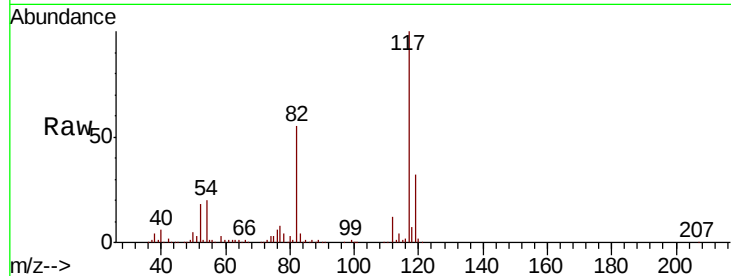




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

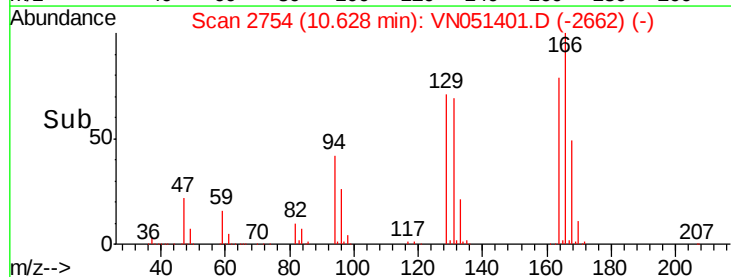
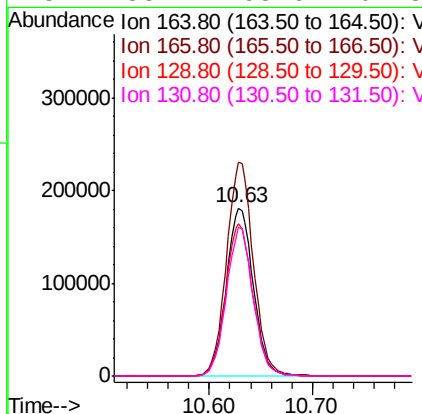
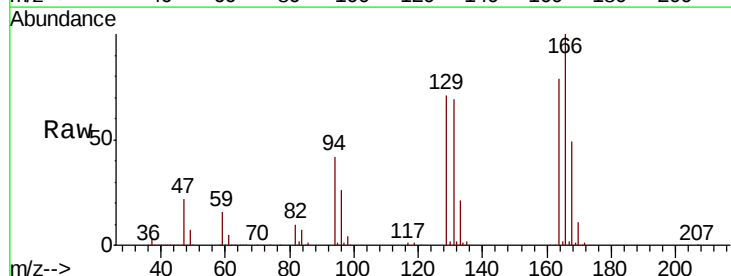
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

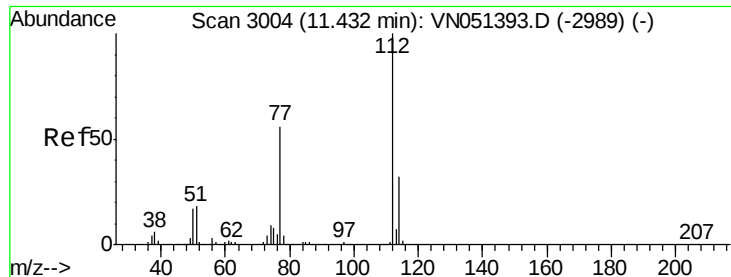
Tgt Ion:117 Resp: 723272
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.3 25.9 38.9



#64
Tetrachloroethene
Concen: 50.382 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:164 Resp: 330712
Ion Ratio Lower Upper
164 100
166 127.3 102.3 153.5
129 90.8 71.8 107.8
131 88.4 68.6 102.8

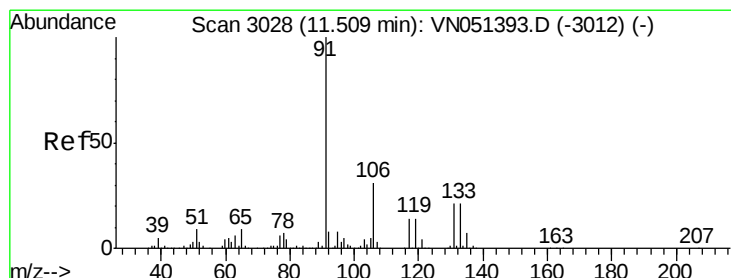
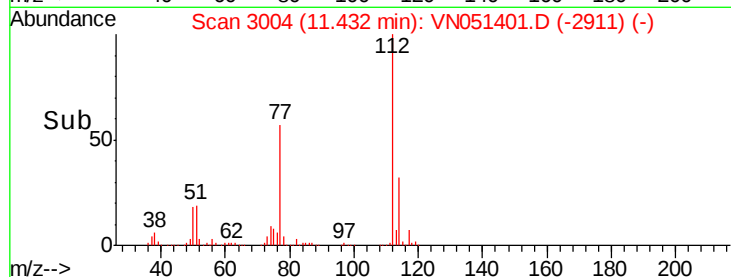
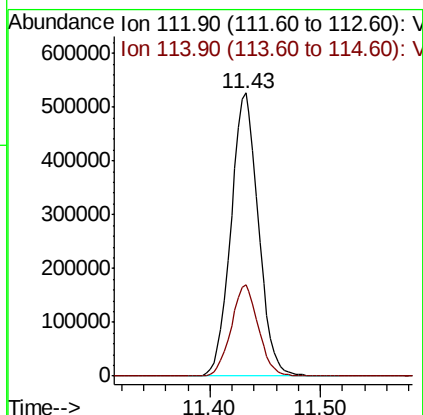
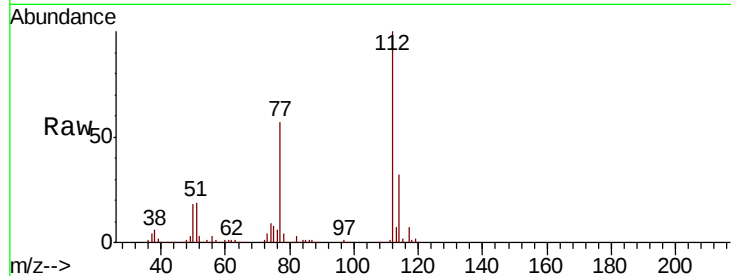




#65
Chlorobenzene
Concen: 48.809 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

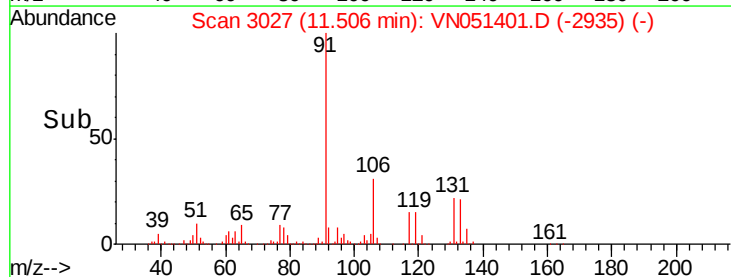
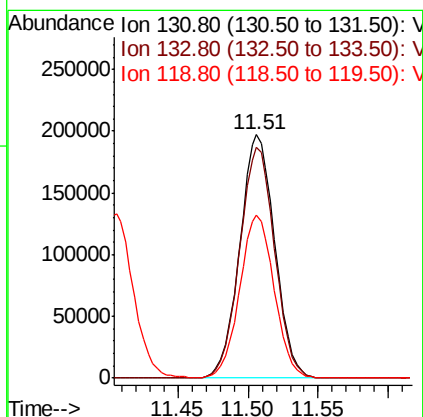
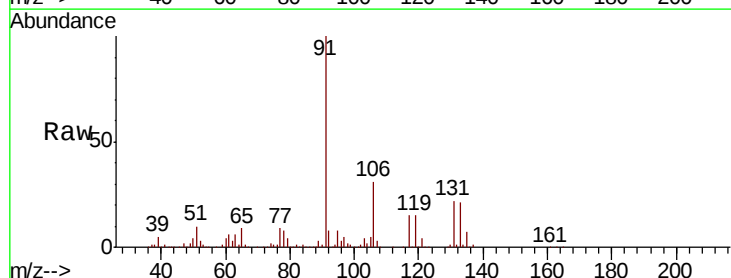
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

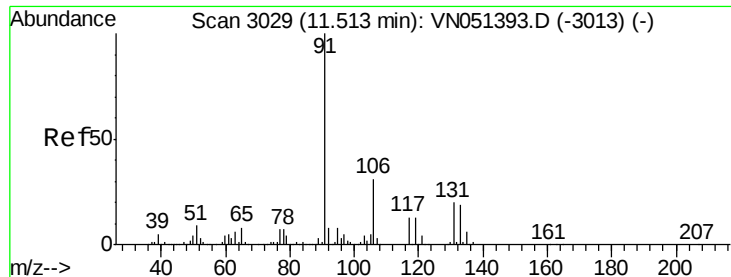
Tgt Ion:112 Resp: 905735
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.362 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:131 Resp: 341918
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.8
119 66.2 32.8 98.4

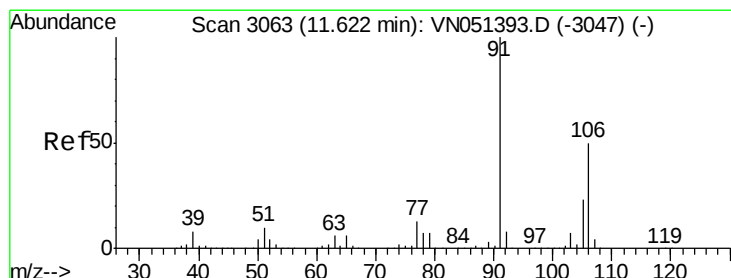
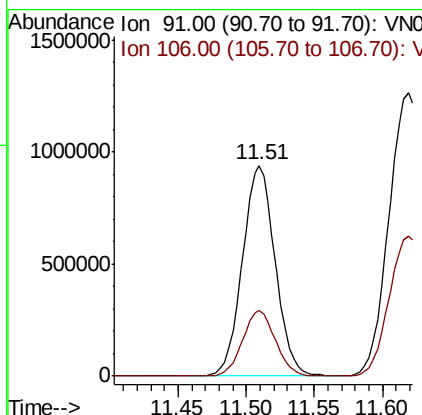
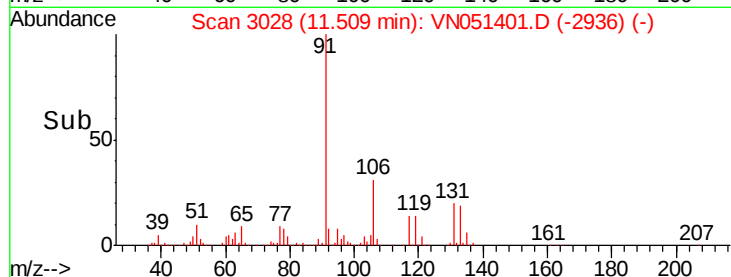
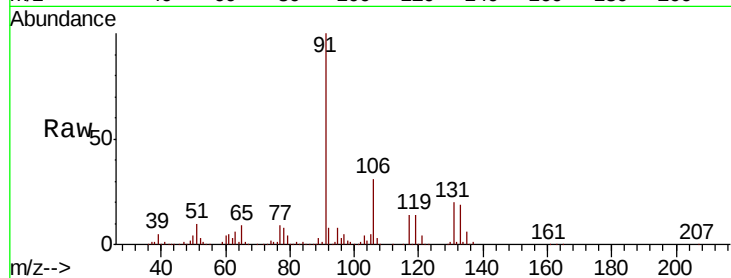




#67
Ethyl Benzene
Concen: 49.930 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

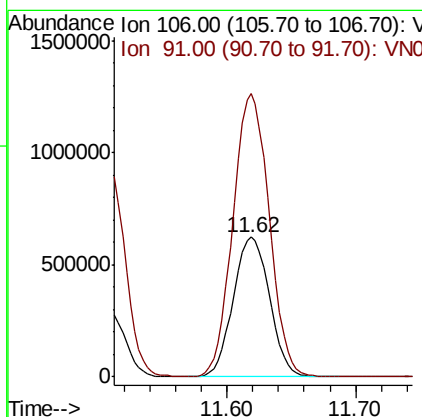
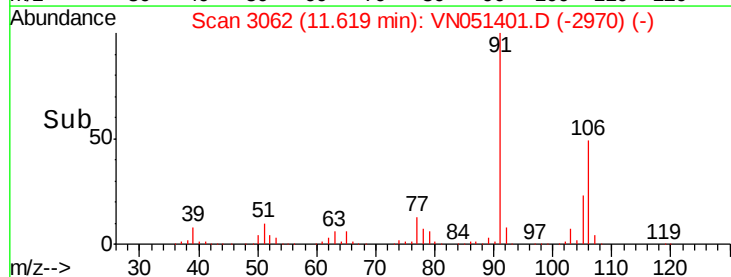
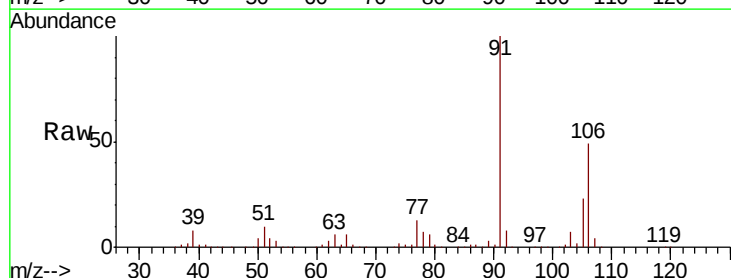
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

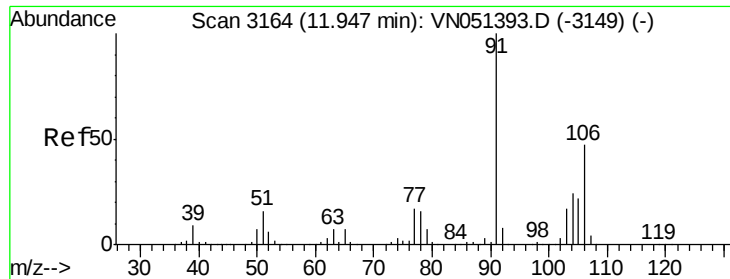
Tgt Ion: 91 Resp: 1561481
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 101.048 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 106 Resp: 1222342
Ion Ratio Lower Upper
106 100
91 202.3 161.3 241.9

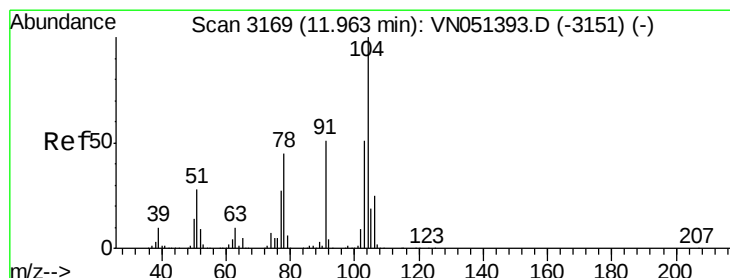
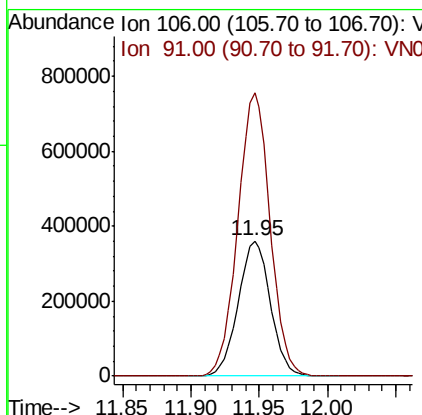
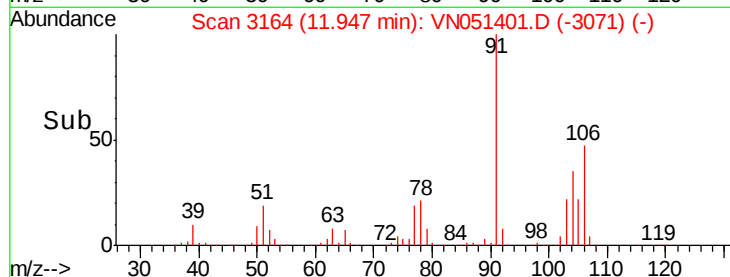
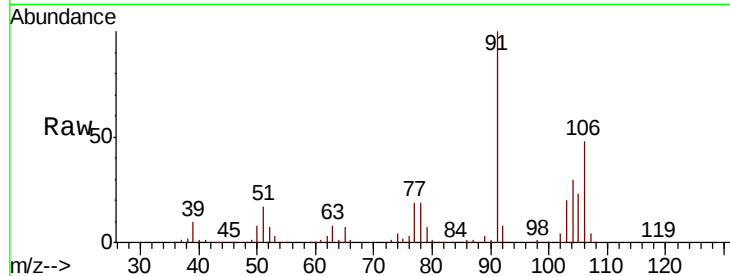




#69
o-Xylene
Concen: 50.736 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

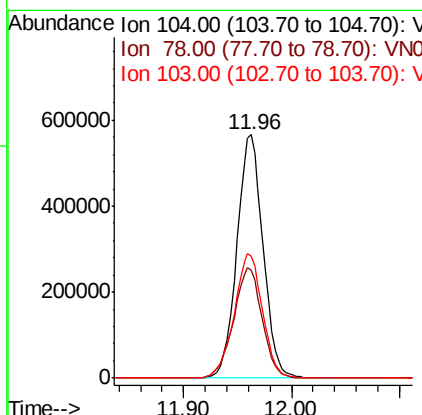
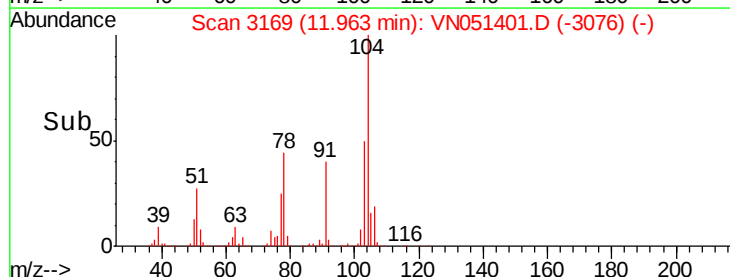
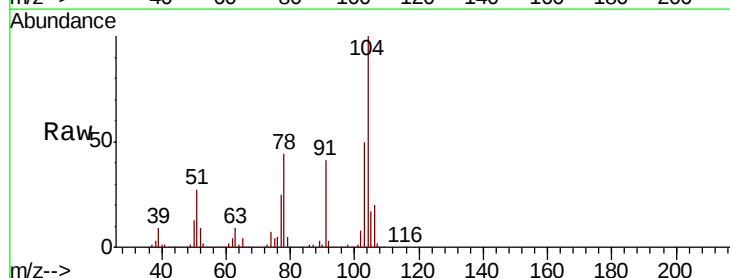
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

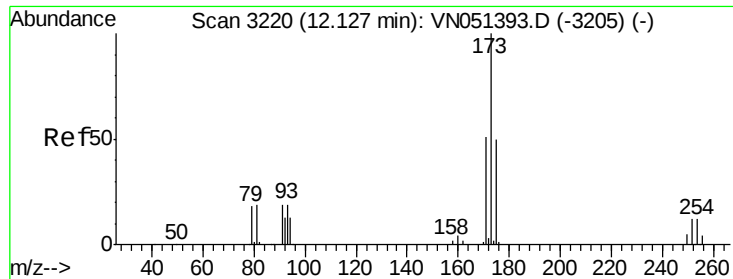
Tgt Ion:106 Resp: 590019
Ion Ratio Lower Upper
106 100
91 210.1 105.3 315.9



#70
Styrene
Concen: 51.896 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:104 Resp: 956299
Ion Ratio Lower Upper
104 100
78 49.7 39.9 59.9
103 55.2 44.6 66.8

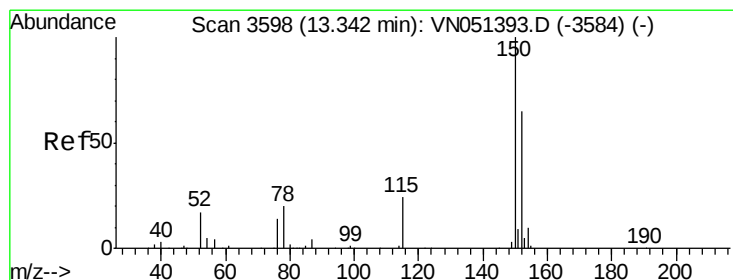
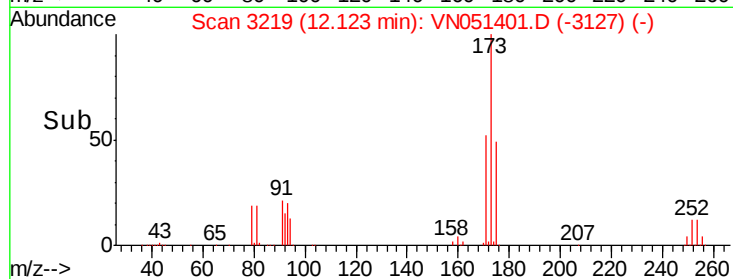
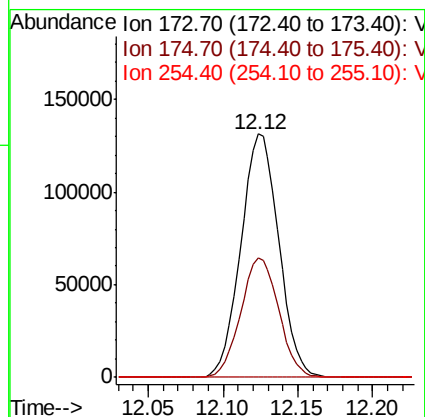
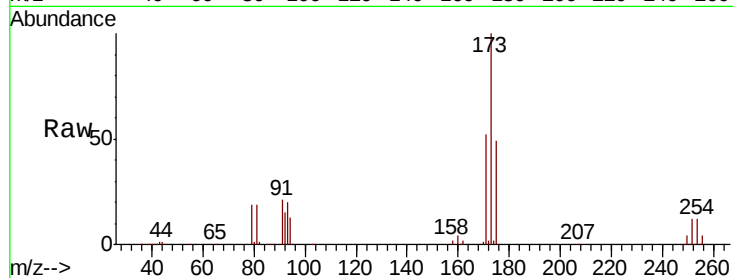




#71
Bromoform
Concen: 48.278 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

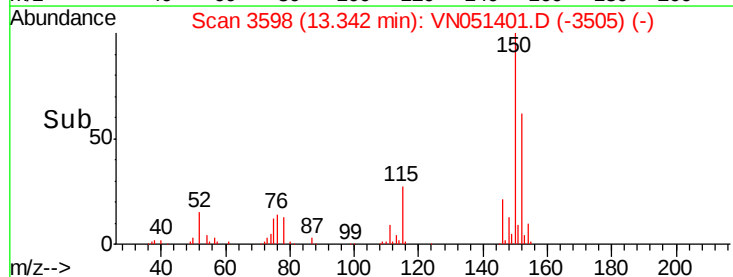
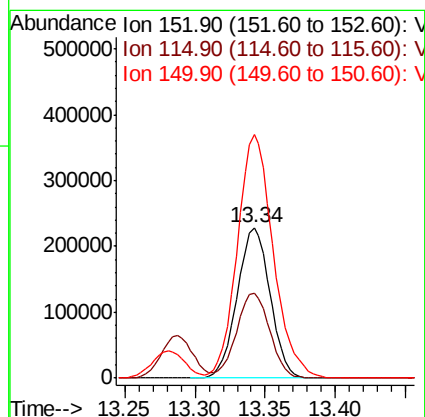
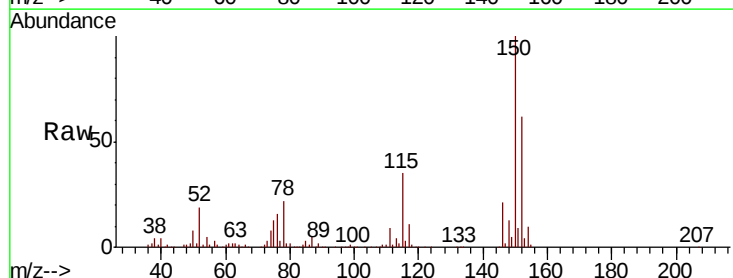
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

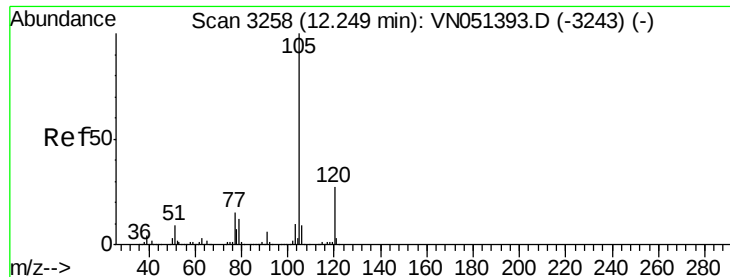
Tgt Ion:173 Resp: 231605
Ion Ratio Lower Upper
173 100
175 49.1 24.8 74.3
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:152 Resp: 373708
Ion Ratio Lower Upper
152 100
115 57.0 28.3 84.9
150 176.3 0.0 353.6





#73

Isopropylbenzene

Concen: 50.337 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

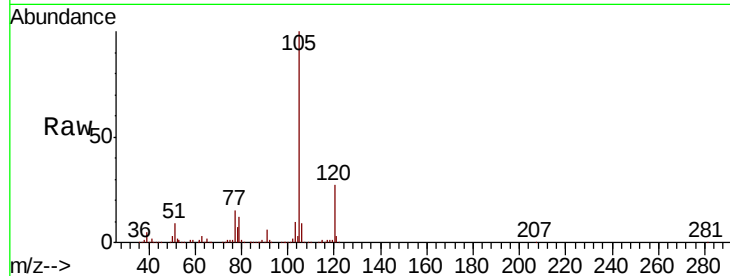
VSTDCCC050

Tgt Ion: 105 Resp: 1587191

Ion Ratio Lower Upper

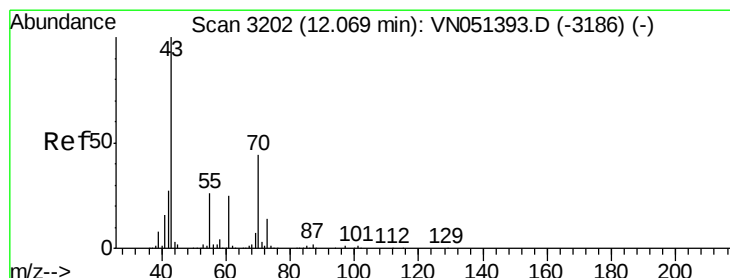
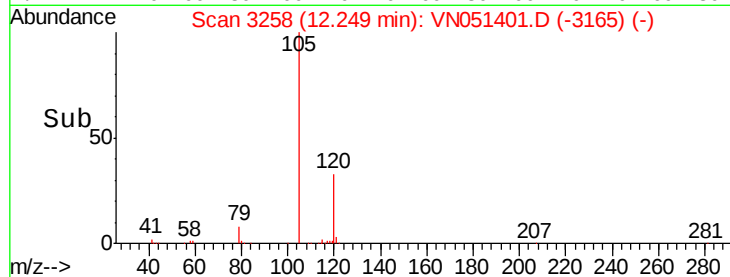
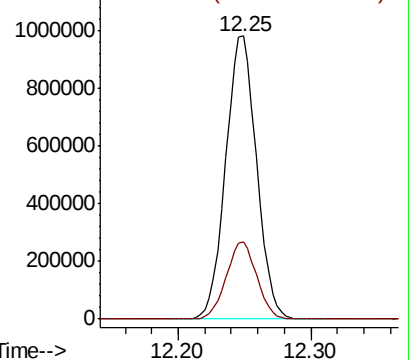
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.433 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Tgt Ion: 43 Resp: 391081

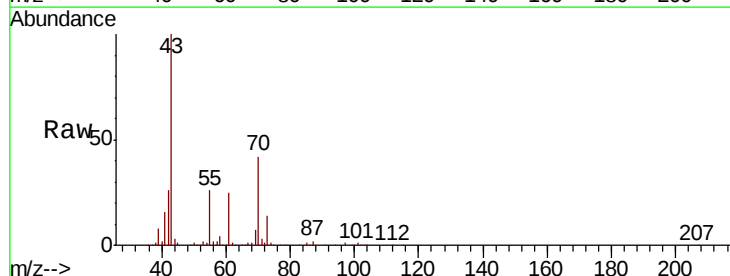
Ion Ratio Lower Upper

43 100

70 42.1 35.0 52.4

55 26.4 21.4 32.2

61 24.6 19.8 29.6

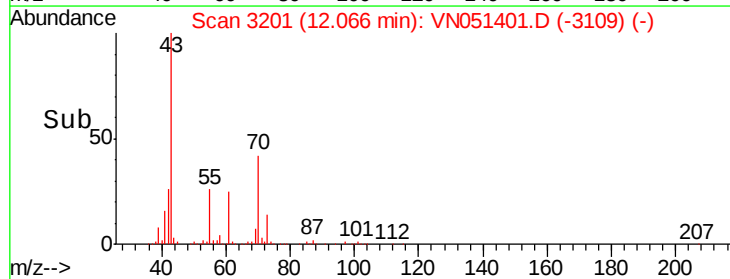
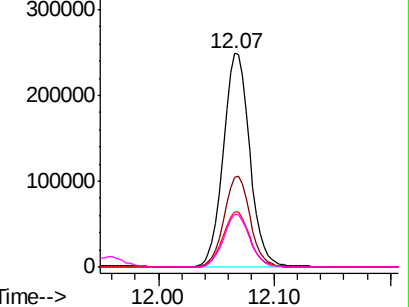


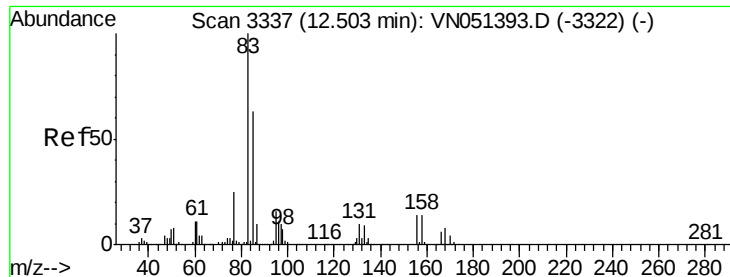
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.057 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

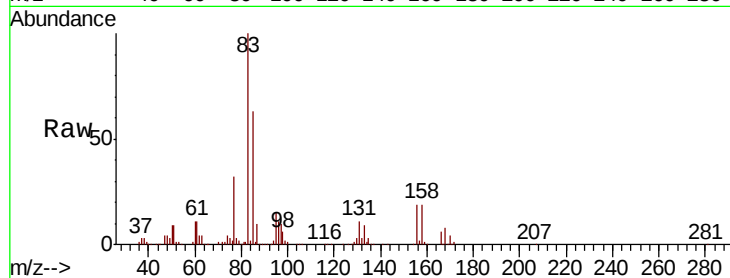
Tgt Ion: 83 Resp: 345998

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.9

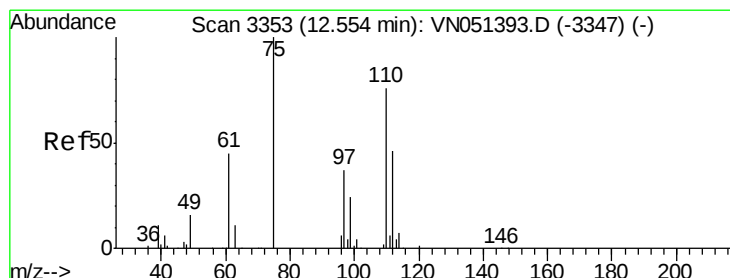
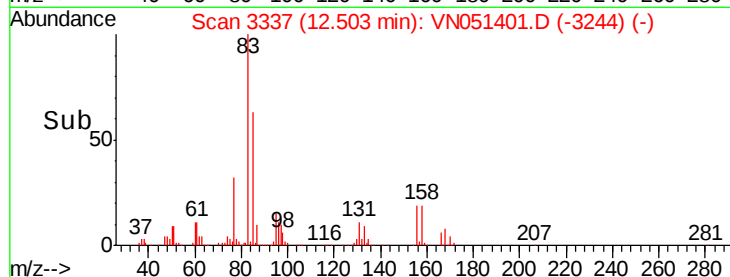
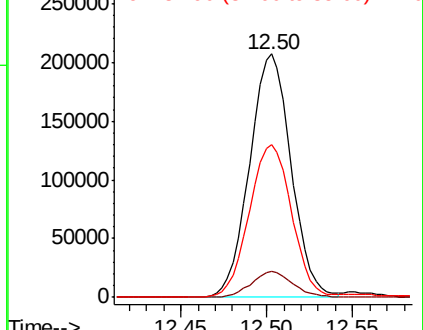
85 64.2 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN051401.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN051401.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN051401.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 66.831 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051401.D

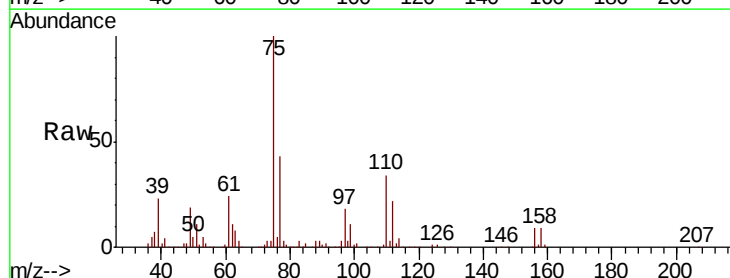
Acq: 23 Sep 2018 9:38

Tgt Ion: 75 Resp: 414609

Ion Ratio Lower Upper

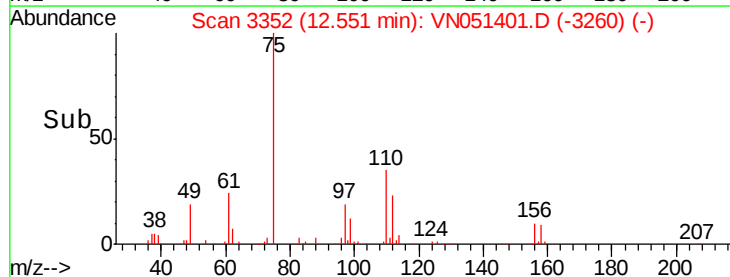
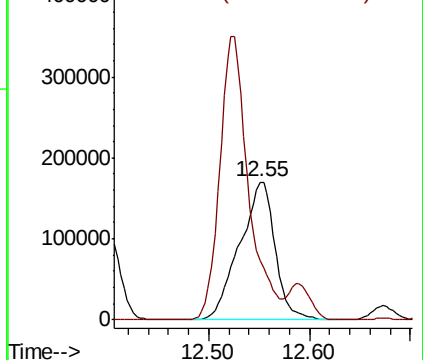
75 100

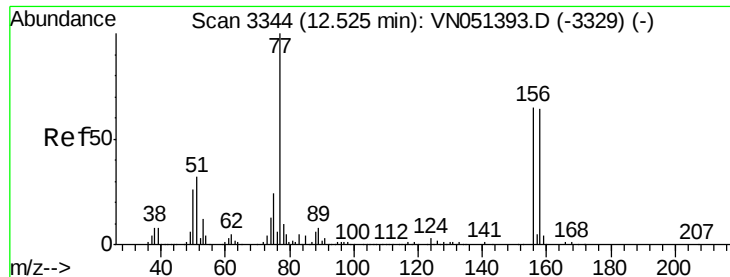
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051401.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051401.D (-3260) (-)





#77

Bromobenzene

Concen: 48.584 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

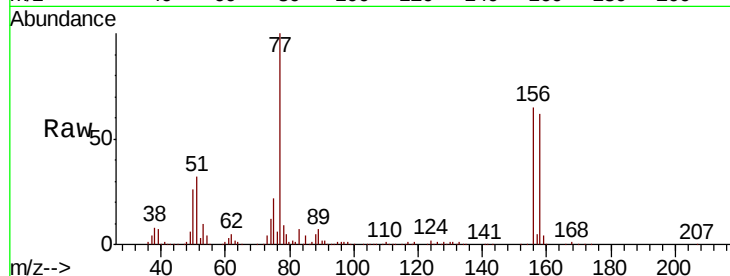
Tgt Ion:156 Resp: 387805

Ion Ratio Lower Upper

156 100

77 179.9 89.5 268.4

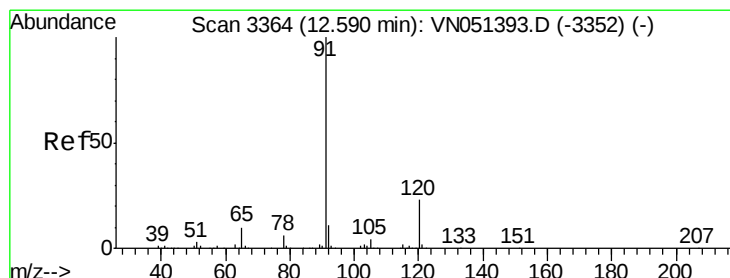
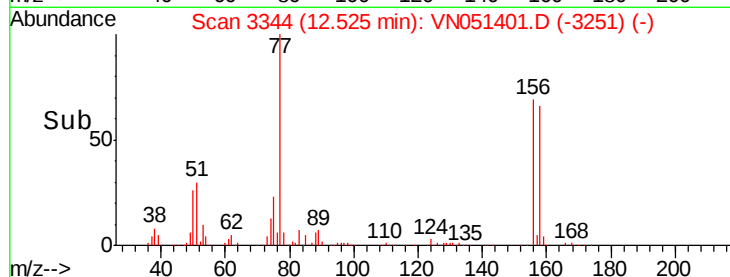
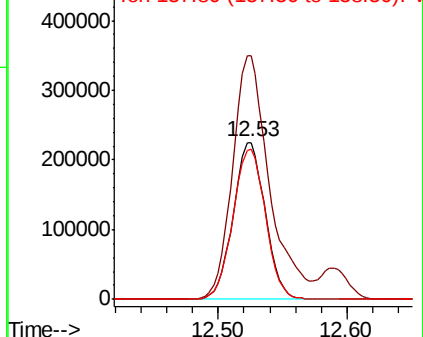
158 97.1 49.4 148.2



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: 51.133 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051401.D

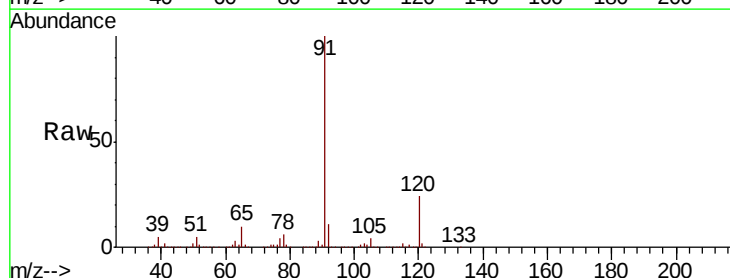
Acq: 23 Sep 2018 9:38

Tgt Ion: 91 Resp: 1817094

Ion Ratio Lower Upper

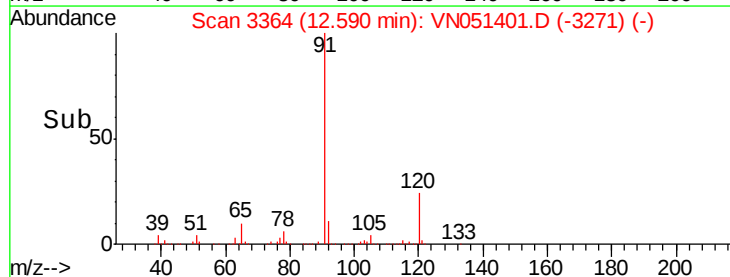
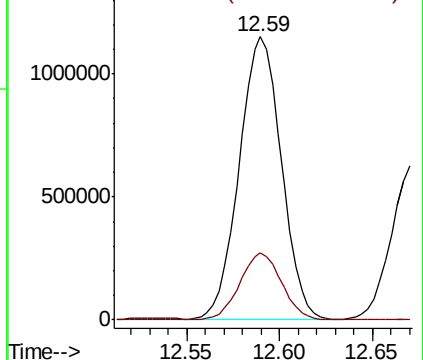
91 100

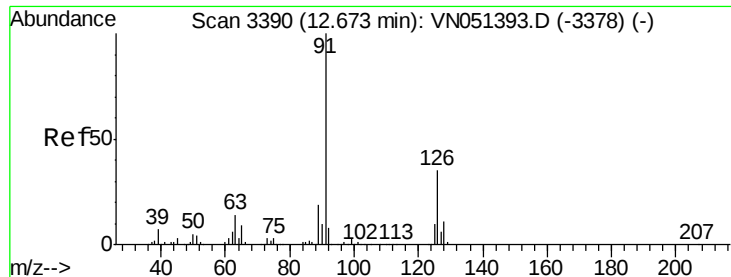
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.281 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

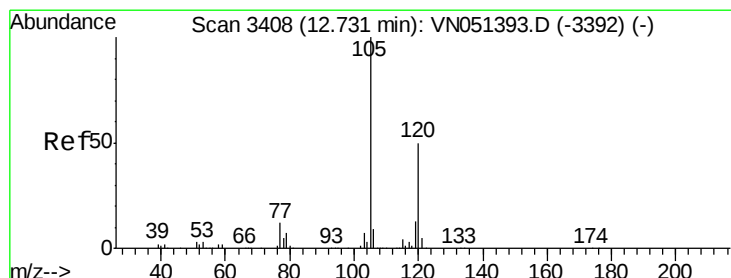
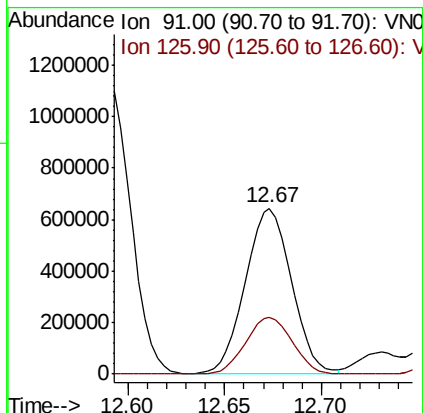
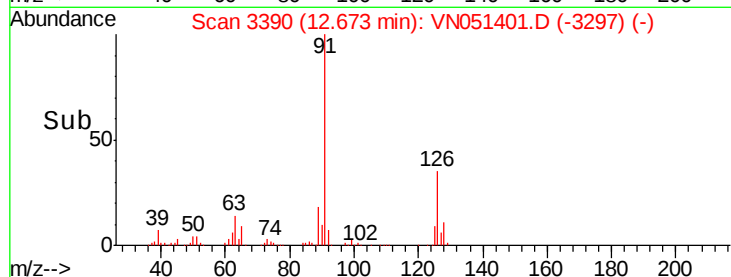
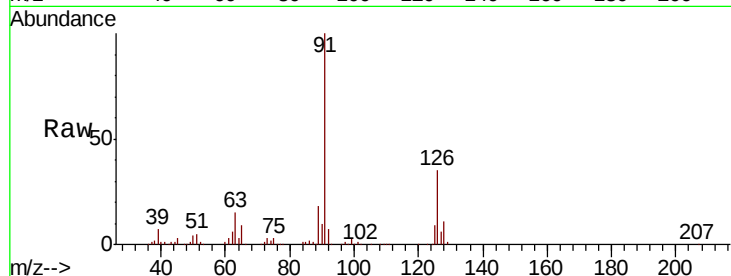
VSTDCCC050

Tgt Ion: 91 Resp: 1069563

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 51.257 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051401.D

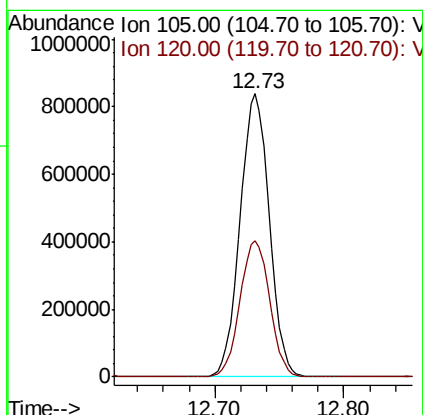
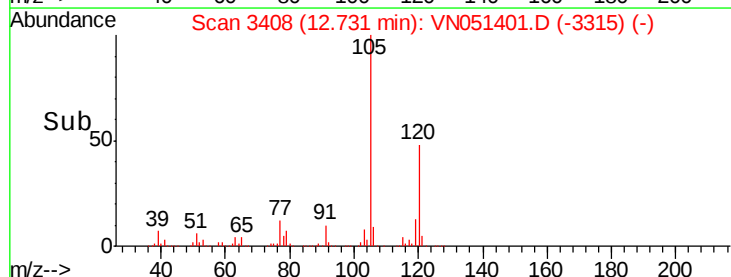
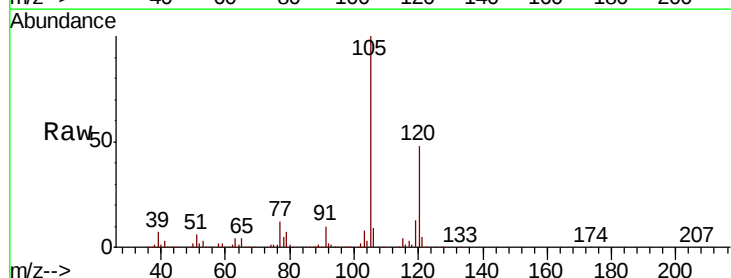
Acq: 23 Sep 2018 9:38

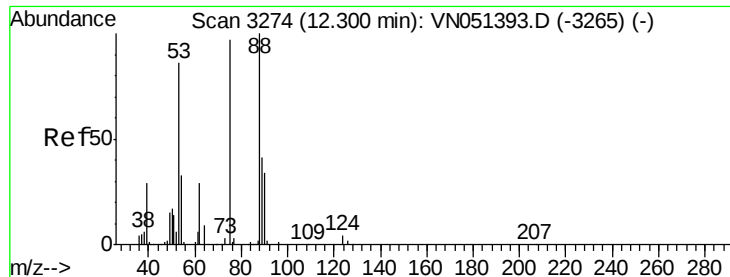
Tgt Ion: 105 Resp: 1317856

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 41.499 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

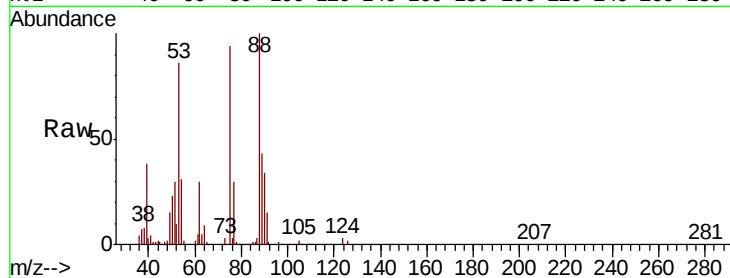
Tgt Ion: 75 Resp: 83725

Ion Ratio Lower Upper

75 100

53 93.0 73.9 110.9

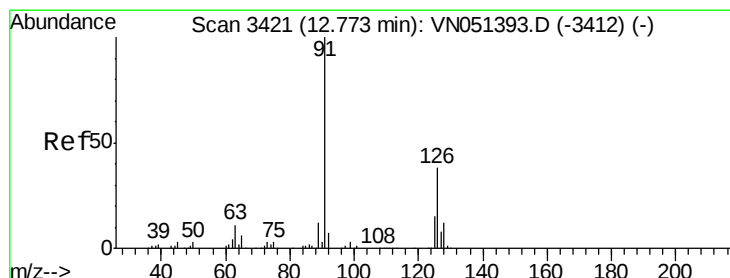
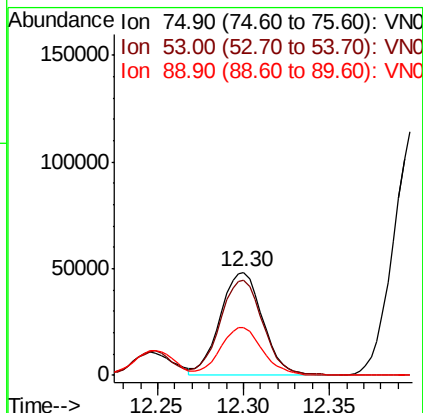
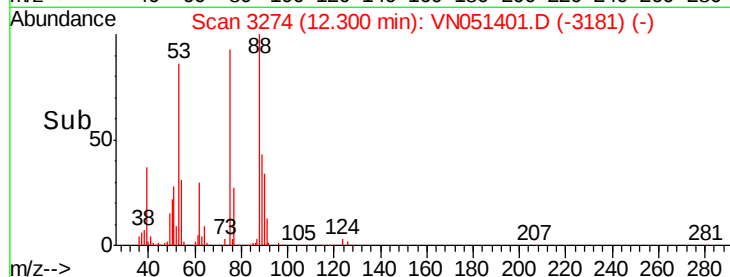
89 45.7 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.995 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN051401.D

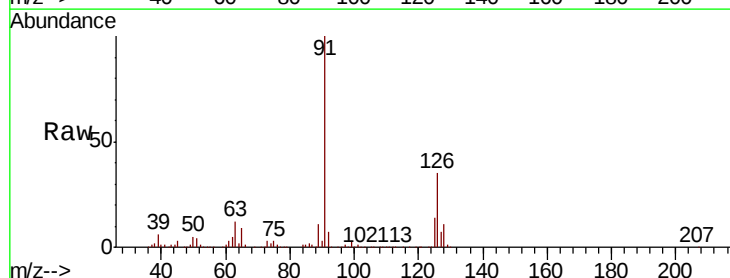
Acq: 23 Sep 2018 9:38

Tgt Ion: 91 Resp: 1061448

Ion Ratio Lower Upper

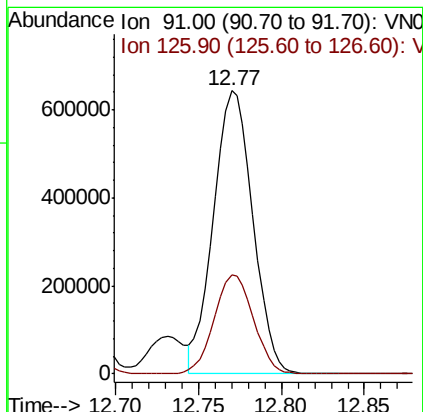
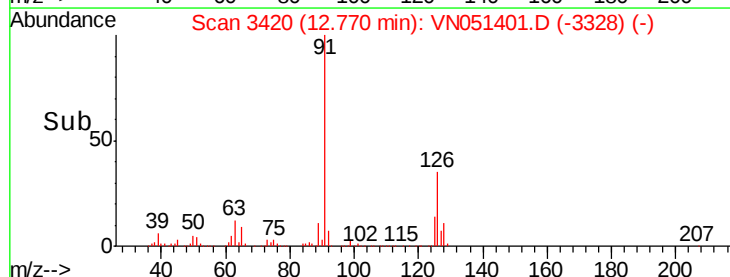
91 100

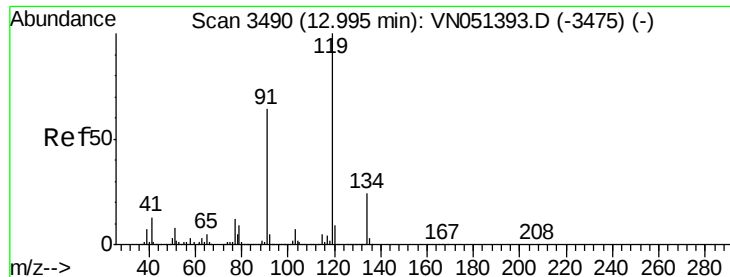
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.911 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

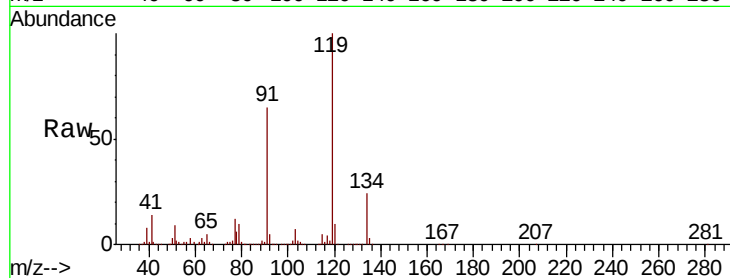
Tgt Ion:119 Resp: 1165078

Ion Ratio Lower Upper

119 100

91 64.0 31.7 95.1

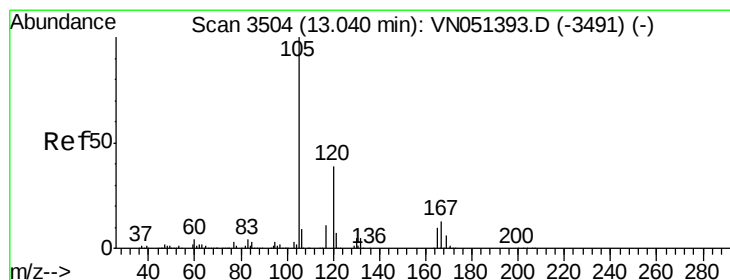
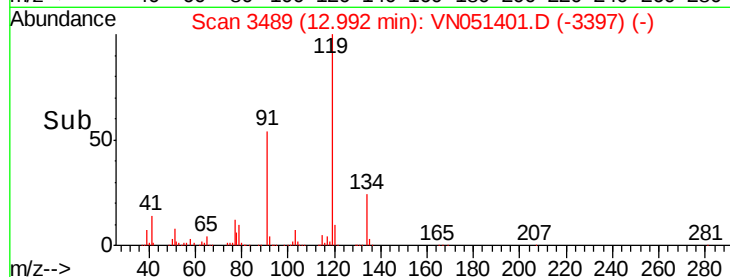
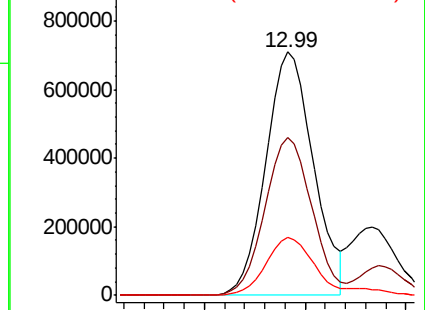
134 25.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.536 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN051401.D

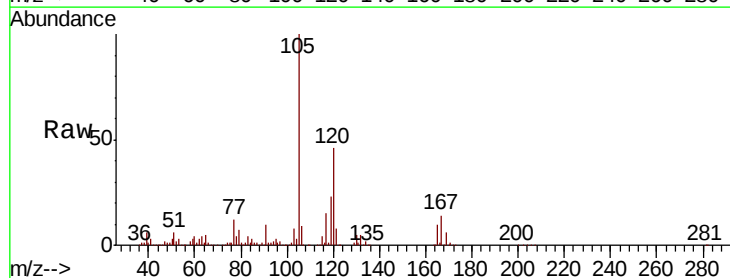
Acq: 23 Sep 2018 9:38

Tgt Ion:105 Resp: 1335192

Ion Ratio Lower Upper

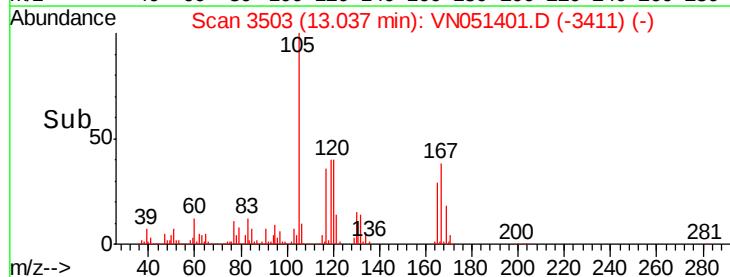
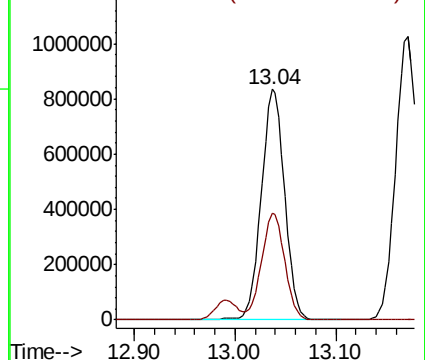
105 100

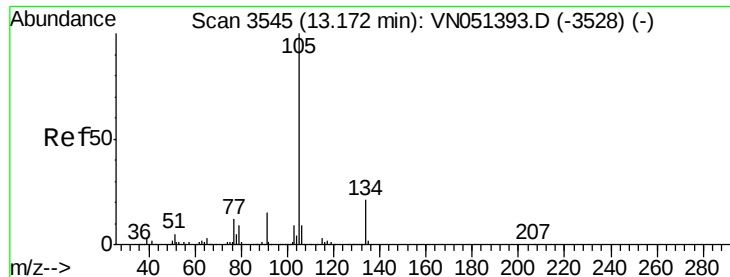
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

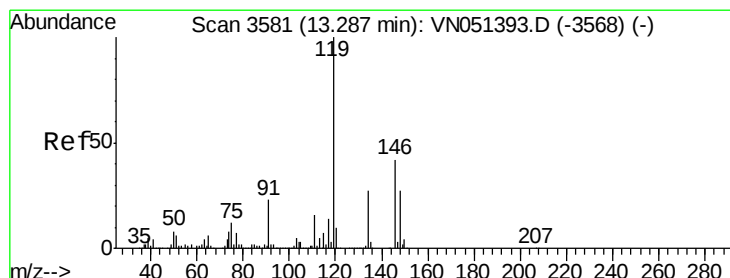
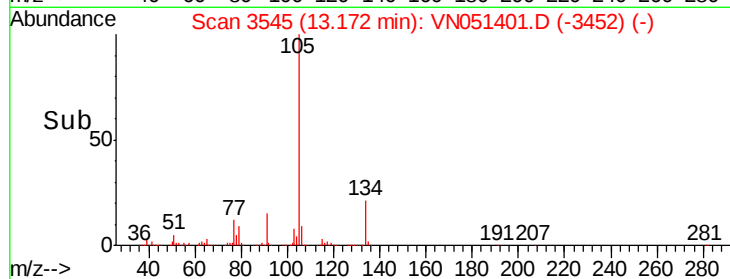
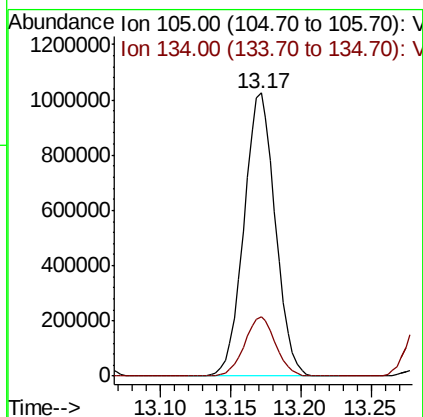
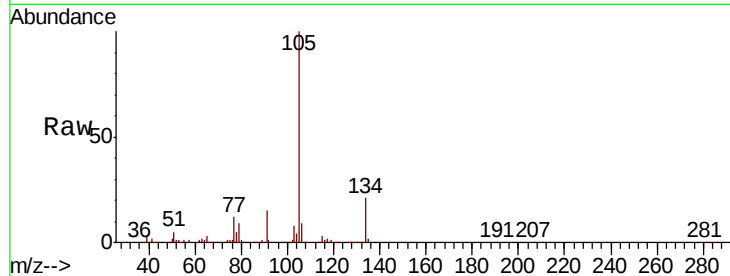




#85
 sec-Butylbenzene
 Concen: 51.468 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

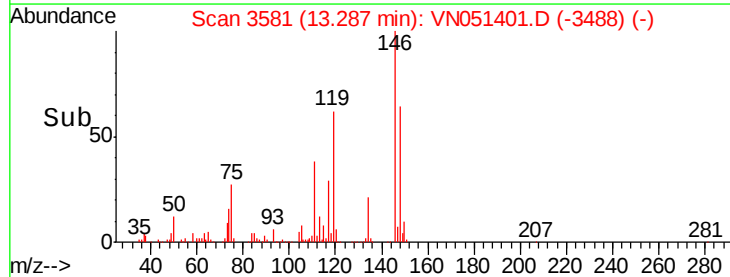
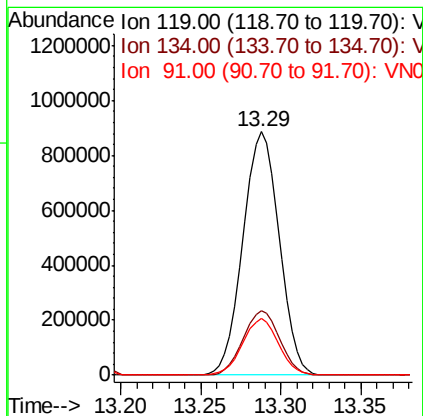
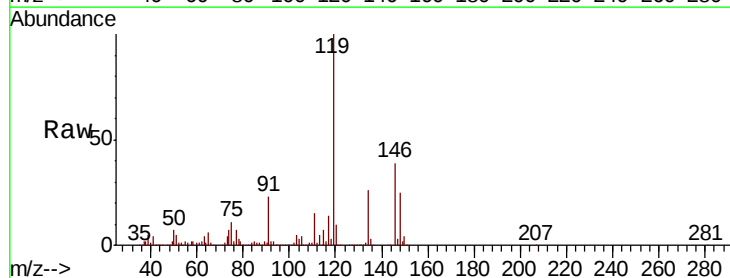
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

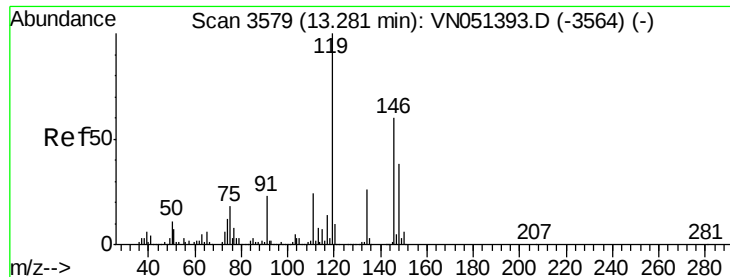
Tgt Ion:105 Resp: 1593406
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 50.981 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion:119 Resp: 1365717
 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: 49.364 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

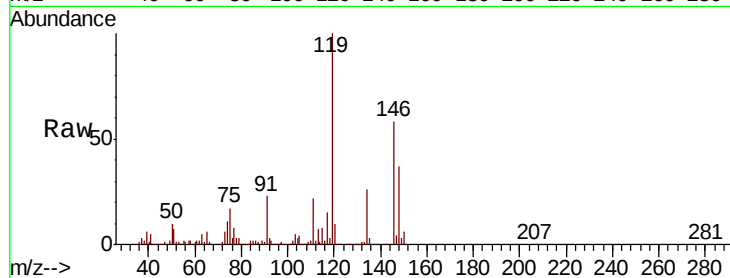
Tgt Ion:146 Resp: 681872

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.1

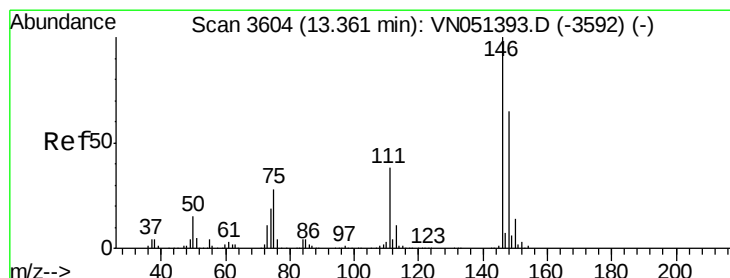
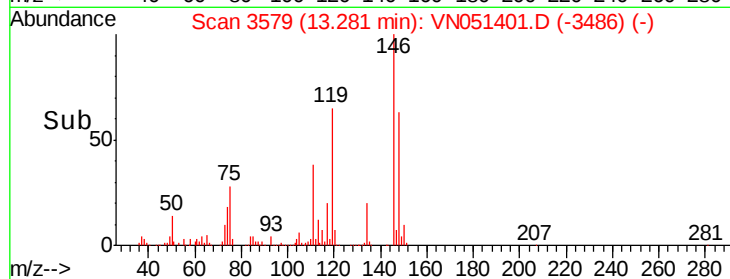
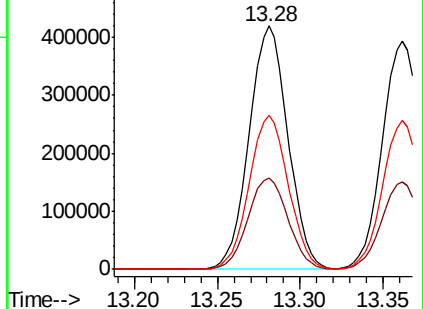
148 64.0 31.9 95.7



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: 48.899 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

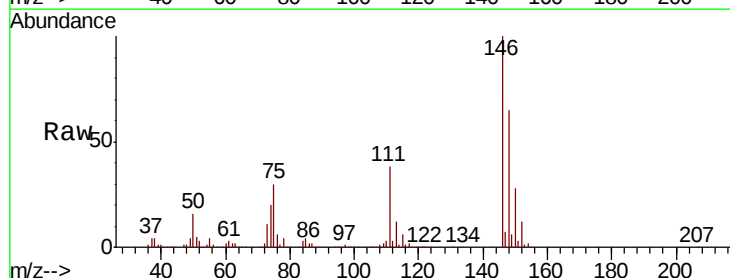
Tgt Ion:146 Resp: 649913

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

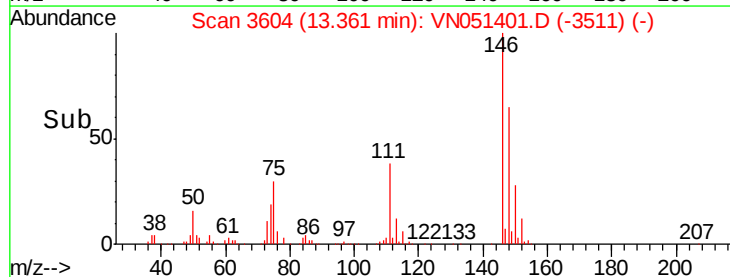
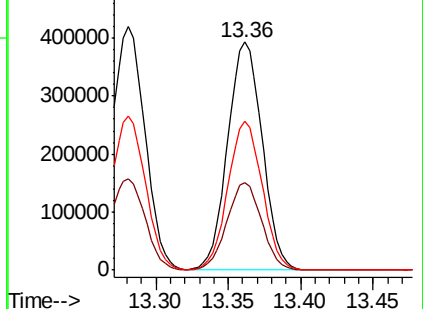
148 64.9 32.5 97.5

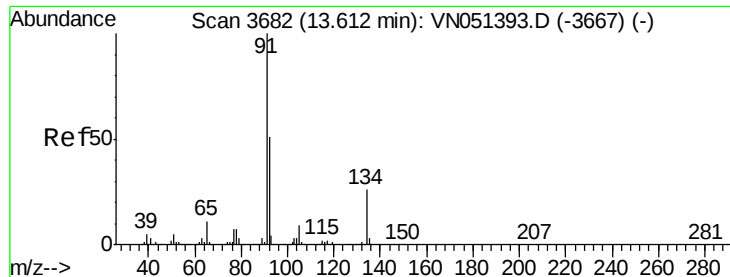


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.026 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

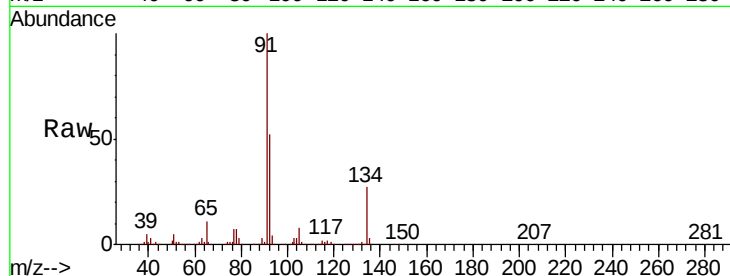
Tgt Ion: 91 Resp: 1102009

Ion Ratio Lower Upper

91 100

92 52.0 25.5 76.5

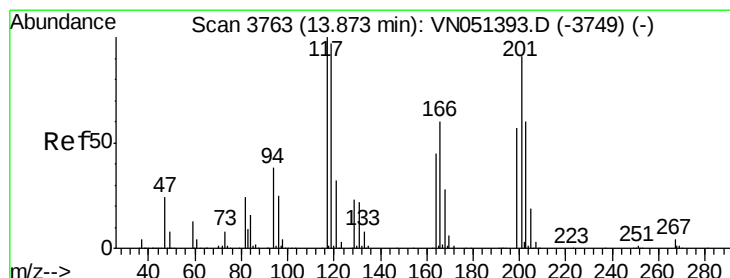
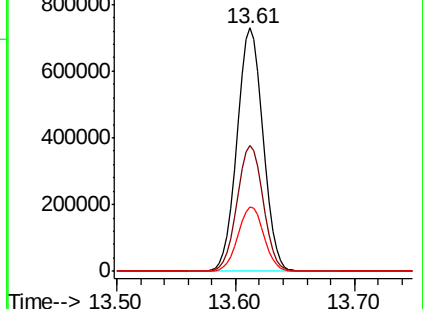
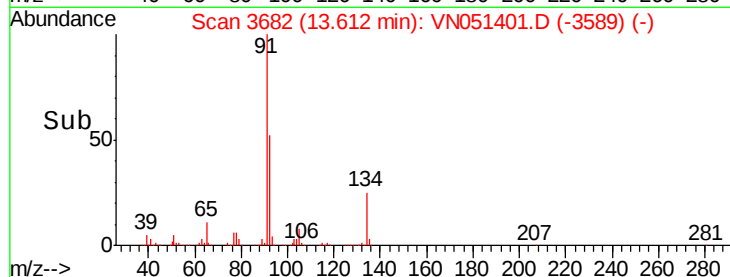
134 26.5 13.3 39.8



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: 49.348 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051401.D

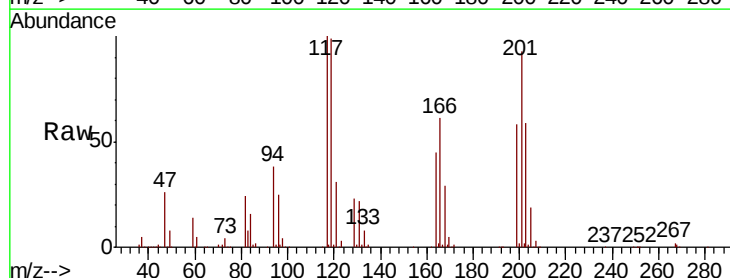
Acq: 23 Sep 2018 9:38

Tgt Ion: 117 Resp: 263399

Ion Ratio Lower Upper

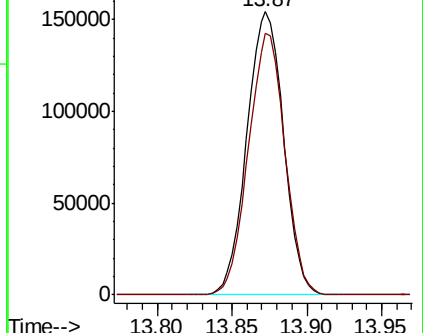
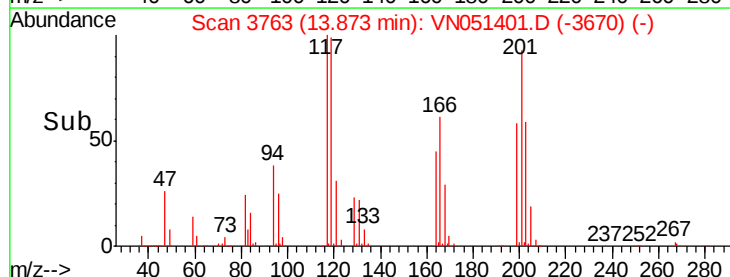
117 100

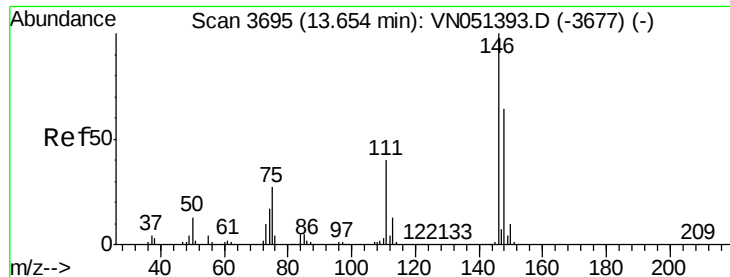
201 91.7 45.5 136.4



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

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





#91

1,2-Dichlorobenzene

Concen: 48.839 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

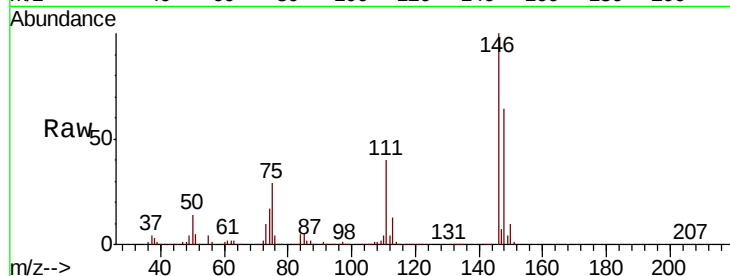
Tgt Ion:146 Resp: 654559

Ion Ratio Lower Upper

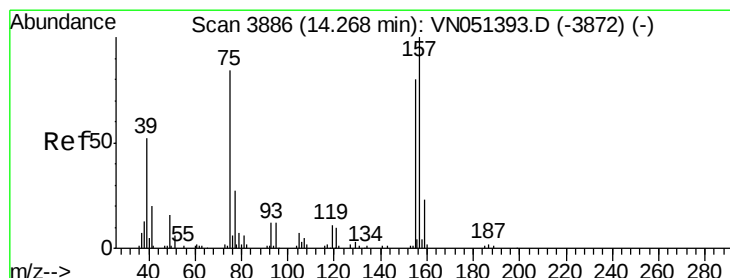
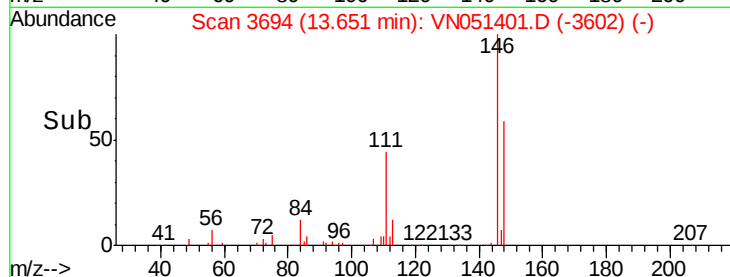
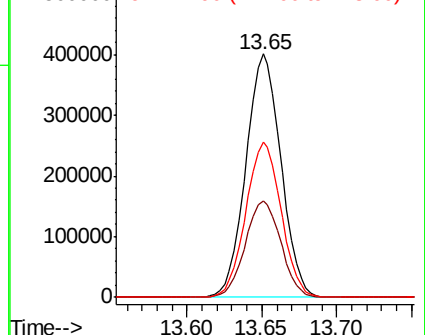
146 100

111 40.2 20.0 60.0

148 64.1 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: 47.196 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

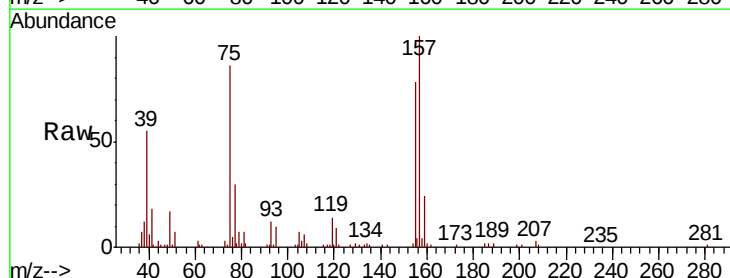
Tgt Ion: 75 Resp: 49524

Ion Ratio Lower Upper

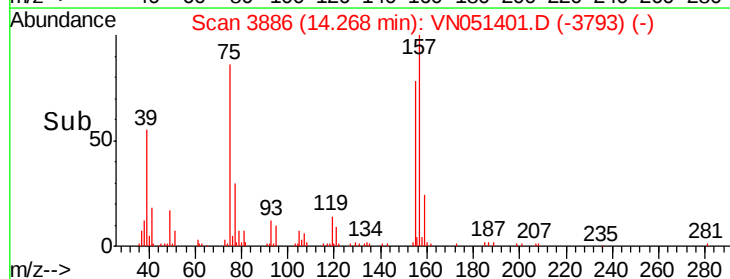
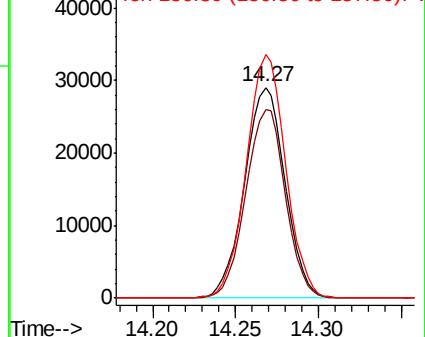
75 100

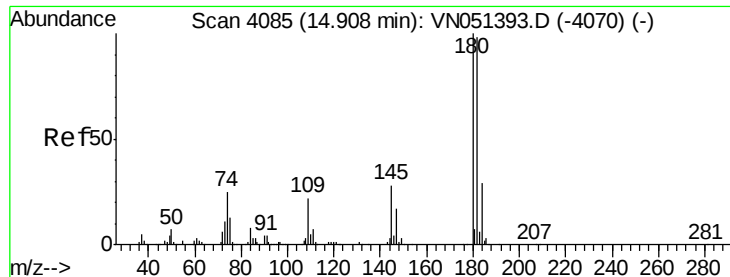
155 87.4 46.9 140.6

157 112.0 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

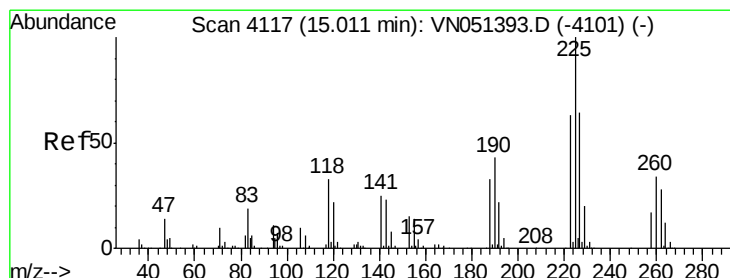
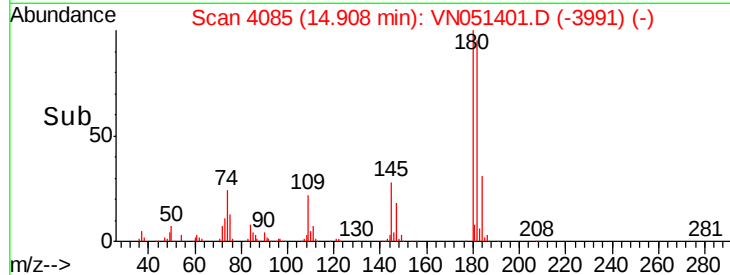
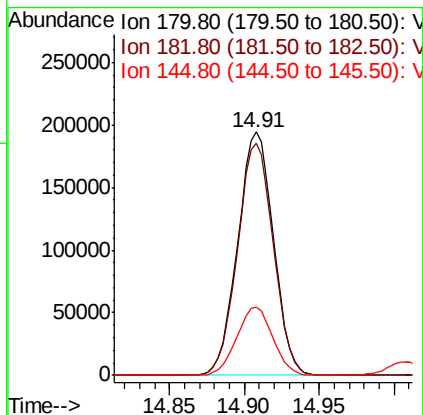
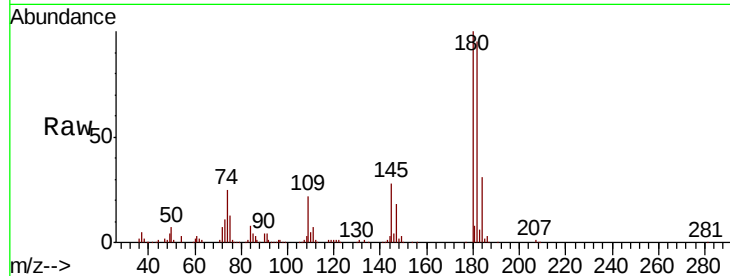




#93
 1,2,4-Trichlorobenzene
 Concen: 45.327 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

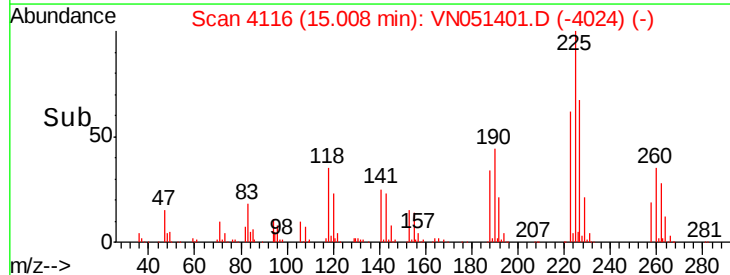
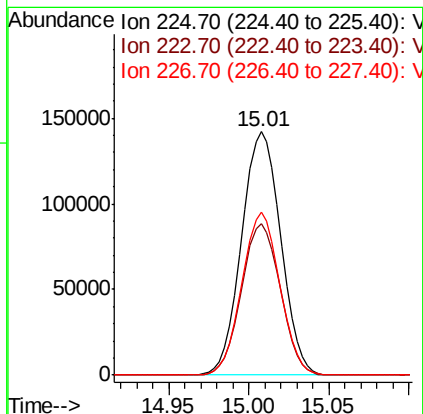
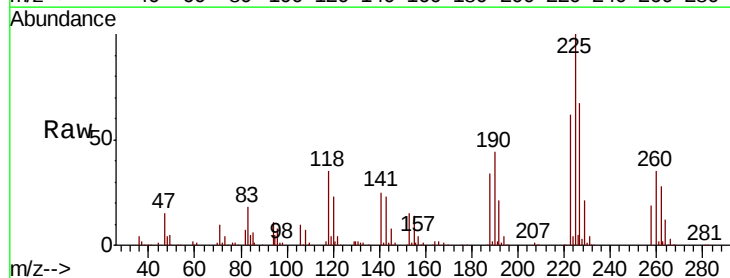
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

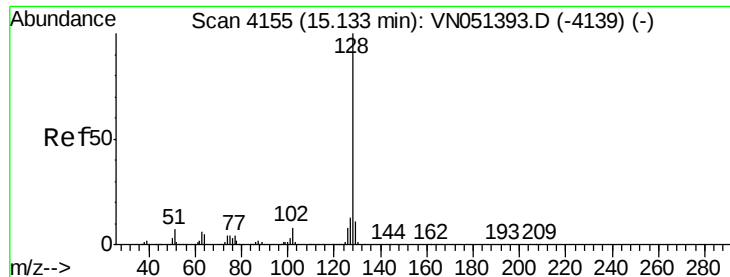
Tgt Ion:180 Resp: 322922
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.5 145.6
 145 28.2 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 46.767 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion:225 Resp: 237150
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.9
 227 64.8 32.5 97.5

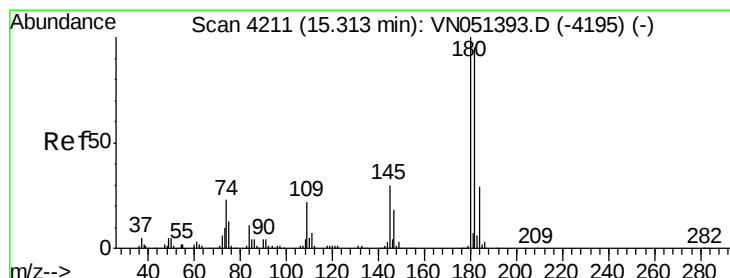
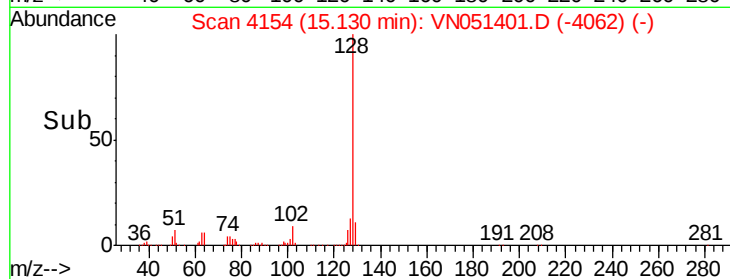
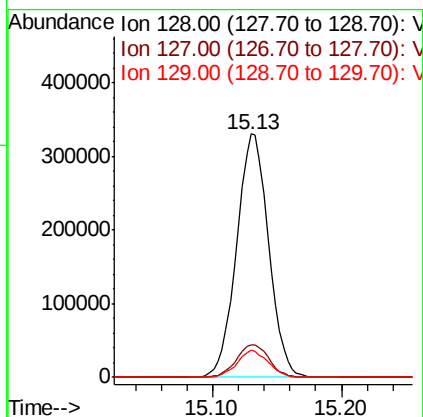
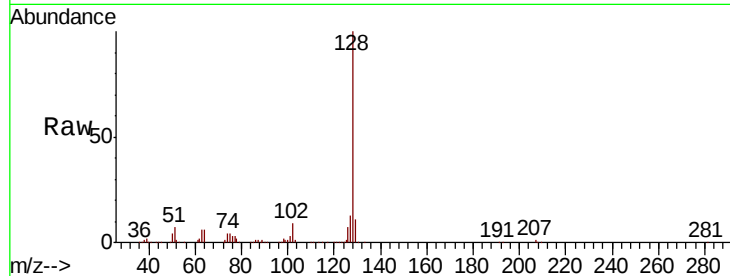




#95
Naphthalene
Concen: 42.433 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 569431
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.295 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:180 Resp: 317053
Ion Ratio Lower Upper
180 100
182 96.3 47.2 141.6
145 29.8 14.6 43.8

