

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050423.D
 Acq On : 7 Aug 2018 11:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 05:19:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	436600	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.59	113	406328	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	1527607	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	528532	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376079	47.84	ug/l	100
3) Chloromethane	2.06	50	451921	48.61	ug/l	100
4) Vinyl Chloride	2.18	62	481069	47.28	ug/l	98
5) Bromomethane	2.56	94	259014	52.49	ug/l	99
6) Chloroethane	2.70	64	292220	46.61	ug/l	99
7) Trichlorofluoromethane	3.01	101	631356	48.04	ug/l	99
8) Diethyl Ether	3.41	74	215823	44.78	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398867	49.11	ug/l	100
10) Methyl Iodide	3.95	142	188772	52.76	ug/l	99
11) Tert butyl alcohol	4.79	59	139331	183.30	ug/l	100
12) 1,1-Dichloroethene	3.73	96	355555	46.44	ug/l	97
13) Acrolein	3.61	56	197589	202.81	ug/l	98
14) Allyl chloride	4.32	41	560530	45.59	ug/l	98
15) Acrylonitrile	4.99	53	689737	216.63	ug/l	99
16) Acetone	3.82	43	612619	217.05	ug/l	100
17) Carbon Disulfide	4.05	76	1084474	43.56	ug/l	99
18) Methyl Acetate	4.33	43	321202	43.78	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	989144	45.52	ug/l	100
20) Methylene Chloride	4.55	84	416504	48.21	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	387371	46.75	ug/l	100
22) Diisopropyl ether	5.95	45	1223509	48.71	ug/l	99
23) Vinyl Acetate	5.90	43	4219130	235.43	ug/l	100
24) 1,1-Dichloroethane	5.85	63	717432	46.55	ug/l	100
25) 2-Butanone	6.84	43	1013180	216.09	ug/l	100
26) 2,2-Dichloropropane	6.82	77	604212	47.56	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	434694	47.34	ug/l	100
28) Bromochloromethane	7.19	49	346331	48.82	ug/l	100
29) Tetrahydrofuran	7.21	42	522951	208.37	ug/l	99
30) Chloroform	7.37	83	736876	47.83	ug/l	98
31) Cyclohexane	7.65	56	653273	48.14	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	627408	47.42	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570320	53.27	ug/l	99
37) Ethyl Acetate	6.93	43	357161	46.32	ug/l	99
38) Carbon Tetrachloride	7.77	117	562359	50.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640400	54.79	ug/l	99
40) Benzene	8.04	78	1684942	51.19	ug/l	99
41) Methacrylonitrile	7.17	41	181795	44.34	ug/l	87
42) 1,2-Dichloroethane	8.13	62	531462	50.86	ug/l	100
43) Isopropyl Acetate	8.17	43	636149	47.79	ug/l #	87
44) Trichloroethene	8.84	130	442356	50.01	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443063	51.19	ug/l	100
46) Dibromomethane	9.21	93	267050	49.97	ug/l	98
47) Bromodichloromethane	9.40	83	566612	51.19	ug/l	100
48) Methyl methacrylate	9.20	41	323254	48.45	ug/l	99
49) 1,4-Dioxane	9.20	88	89686	872.13	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2277536	237.58	ug/l	99
52) Toluene	10.16	92	1064633	53.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	579832	52.17	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	658235	53.07	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	386709	50.09	ug/l	99
56) Ethyl methacrylate	10.43	69	497574	45.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	646327	51.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1236422	243.03	ug/l	100
59) 2-Hexanone	10.75	43	1616432	241.61	ug/l	99
60) Dibromochloromethane	10.90	129	435008	51.15	ug/l	97
61) 1,2-Dibromoethane	11.01	107	386091	50.74	ug/l	98
64) Tetrachloroethene	10.63	164	451649	52.39	ug/l	99
65) Chlorobenzene	11.43	112	1152686	49.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	429028	50.96	ug/l	100
67) Ethyl Benzene	11.51	91	2004748	53.61	ug/l	99
68) m/p-Xylenes	11.62	106	1564720	109.92	ug/l	99
69) o-Xylene	11.95	106	733166	53.47	ug/l	100
70) Styrene	11.96	104	1241134	55.66	ug/l	99
71) Bromoform	12.13	173	311952	50.70	ug/l #	100
73) Isopropylbenzene	12.25	105	1982817	51.74	ug/l	99
74) N-amyl acetate	12.07	43	572591	46.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493781	44.66	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	607636	65.76	ug/l #	100
77) Bromobenzene	12.53	156	509406	49.62	ug/l	99
78) n-propylbenzene	12.59	91	2351464	54.21	ug/l	100
79) 2-Chlorotoluene	12.68	91	1358190	50.70	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1679386	53.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	133628	50.81	ug/l	97
82) 4-Chlorotoluene	12.77	91	1412286	52.86	ug/l	100
83) tert-Butylbenzene	12.99	119	1411821	52.03	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1717653	54.51	ug/l	100
85) sec-Butylbenzene	13.17	105	1927695	53.30	ug/l	99
86) p-Isopropyltoluene	13.29	119	1711526	55.22	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	924490	50.56	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	903227	49.47	ug/l	99
89) n-Butylbenzene	13.62	91	1423867	53.96	ug/l	99
90) Hexachloroethane	13.88	117	275382	49.96	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	880843	48.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74838	39.87	ug/l	97

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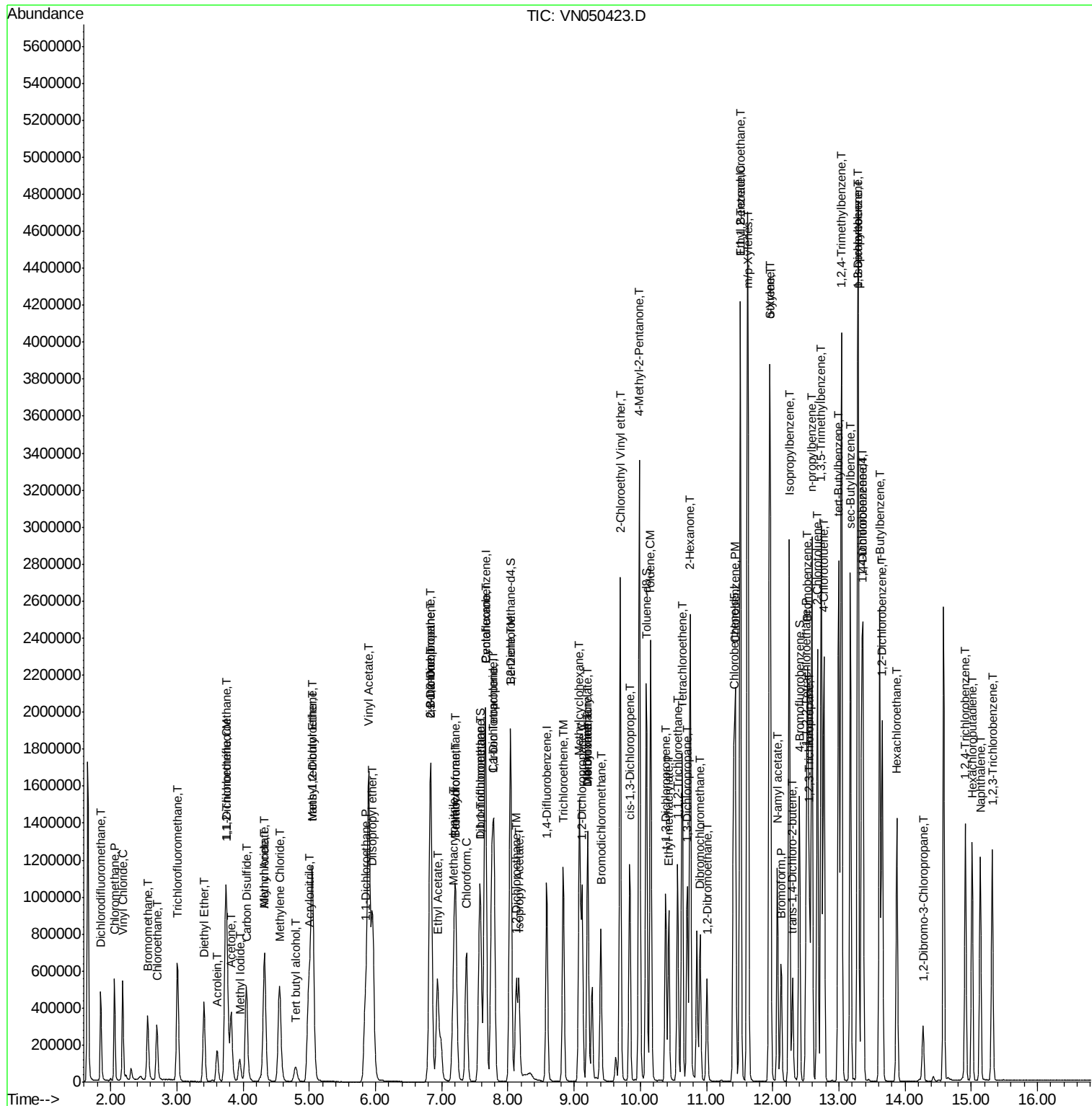
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	484652	51.91	ug/l	98
94) Hexachlorobutadiene	15.01	225	276097	54.28	ug/l	99
95) Naphthalene	15.14	128	1029698	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	458260	48.55	ug/l	100

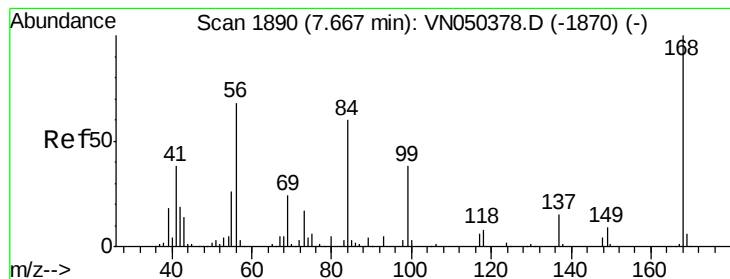
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

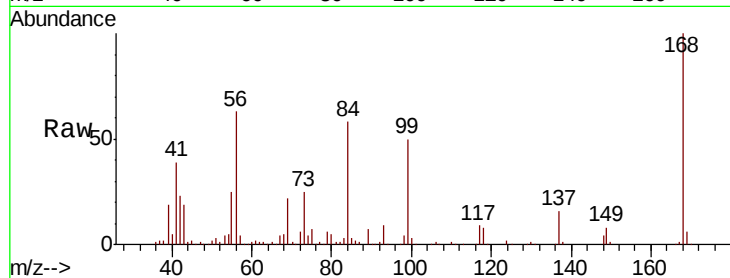
VSTDCCC050

Tot Ion:168 Resp: 708192

Ion Ratio Lower Upper

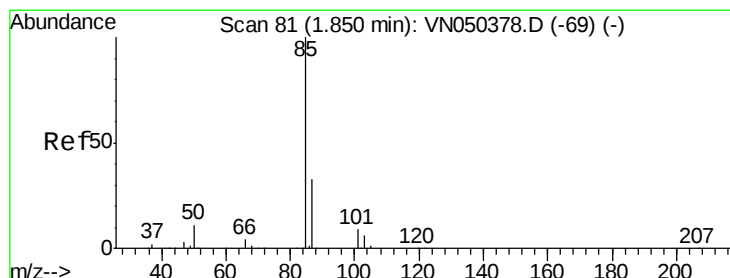
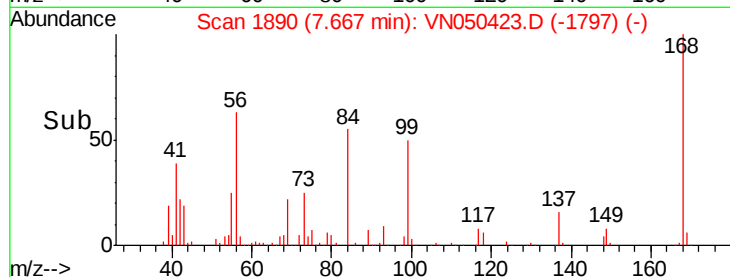
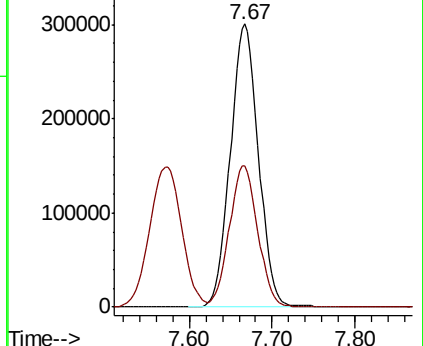
168 100

99 49.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 47.84 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050423.D

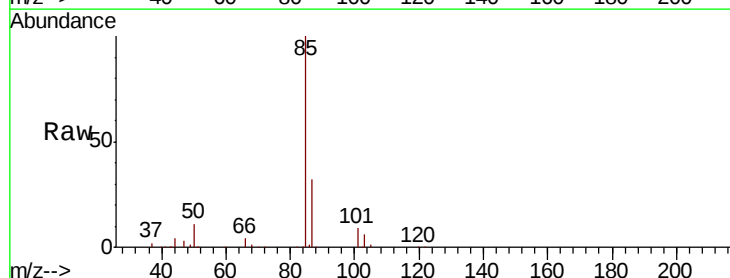
Acq: 7 Aug 2018 11:38

Tgt Ion: 85 Resp: 376079

Ion Ratio Lower Upper

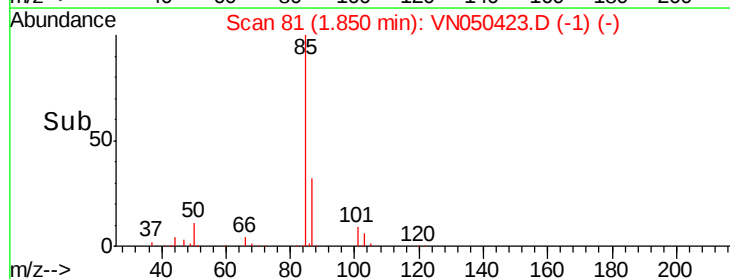
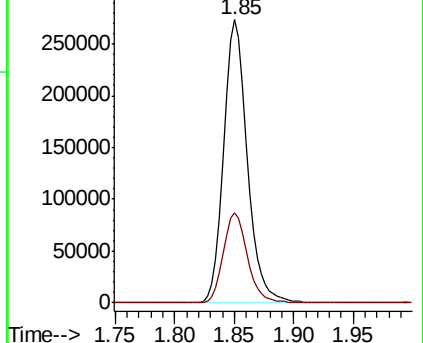
85 100

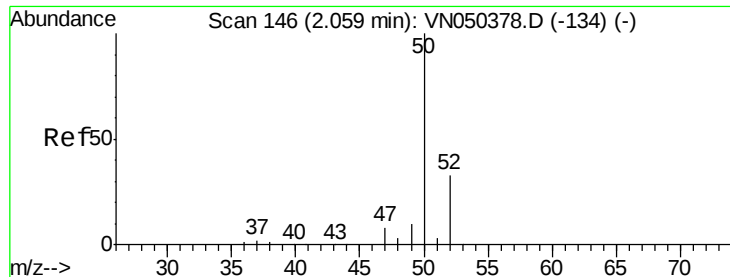
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

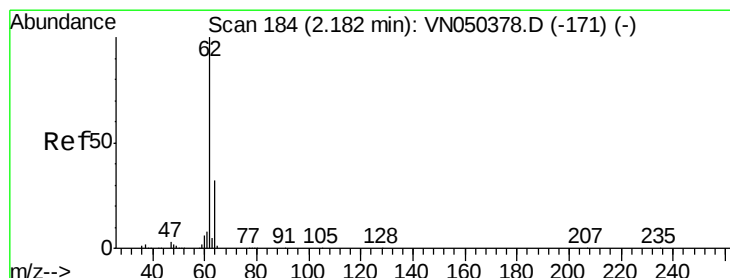
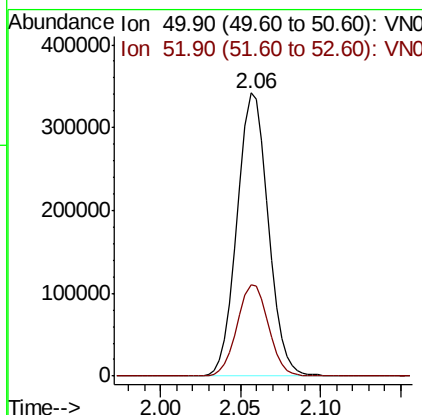
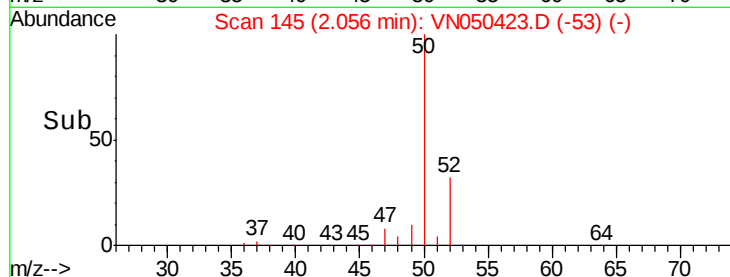
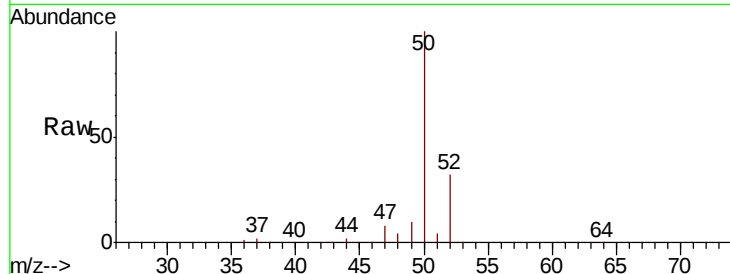




#3
Chloromethane
Concen: 48.61 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

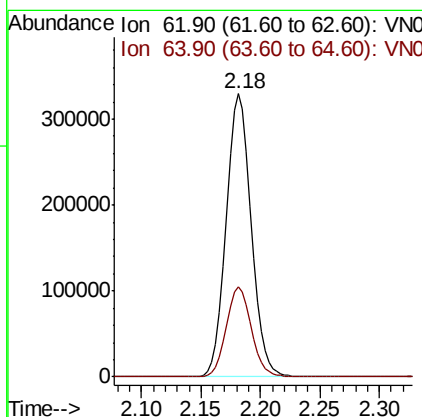
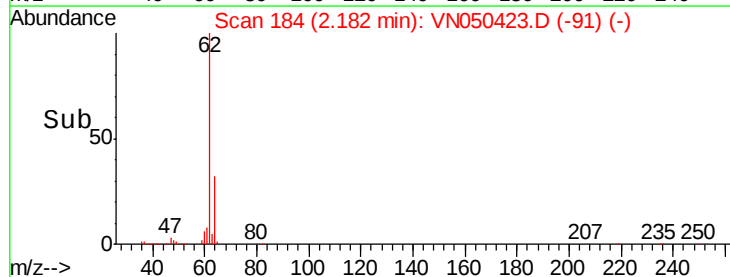
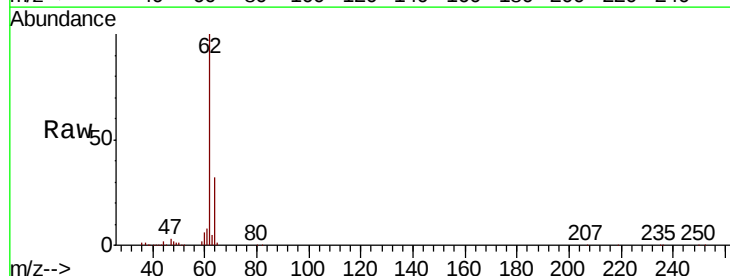
Instrument :
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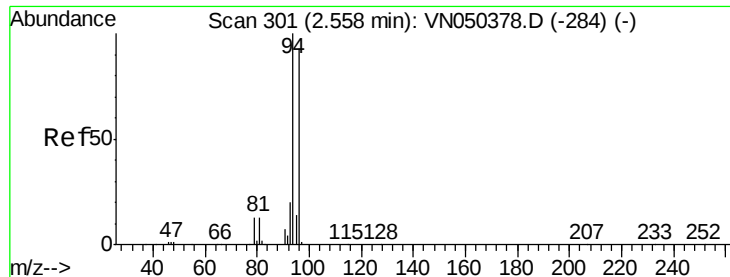
Tot Ion: 50 Resp: 451921
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9



#4
Vinyl Chloride
Concen: 47.28 ug/l
RT: 2.18 min Scan# 184
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 62 Resp: 481069
Ion Ratio Lower Upper
62 100
64 31.8 24.7 37.1





#5

Bromomethane

Concen: 52.49 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

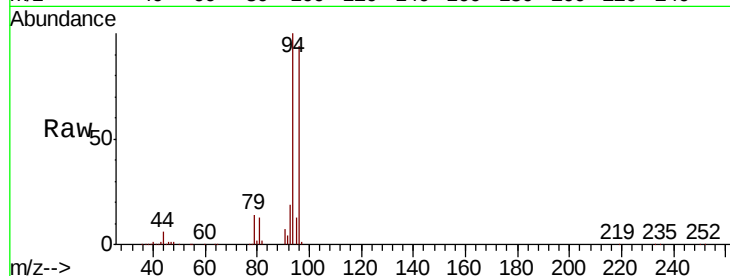
VSTDCCC050

Tot Ion: 94 Resp: 259014

Ion Ratio Lower Upper

94 100

96 94.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO

2.56

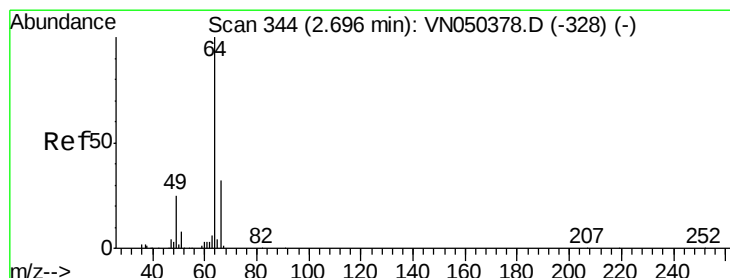
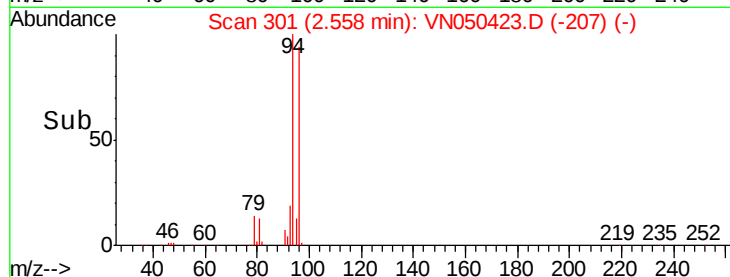
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 46.61 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050423.D

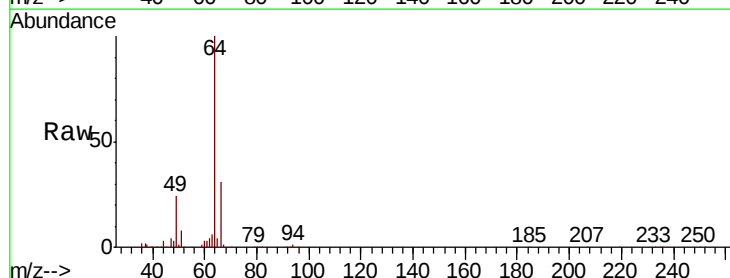
Acq: 7 Aug 2018 11:38

Tgt Ion: 64 Resp: 292220

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO

2.70

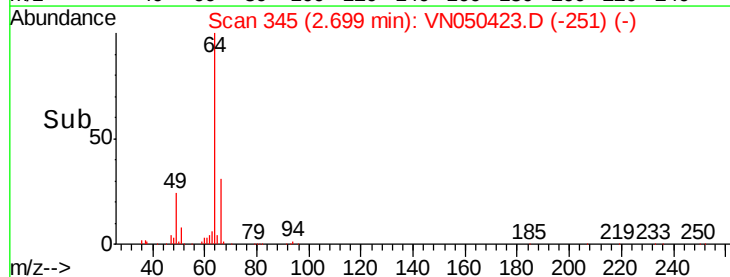
150000

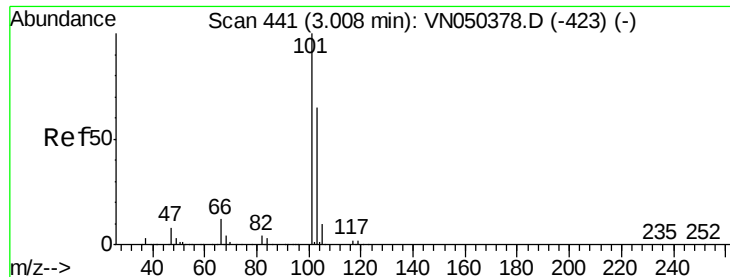
100000

50000

0

Time--> 2.60 2.70 2.80





#7

Trichlorofluoromethane

Concen: 48.04 ug/l

RT: 3.01 min Scan# 441

Delta R.T. -0.00 min

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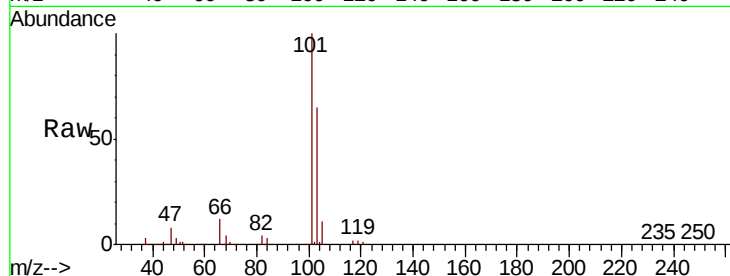
VSTDCCC050

Tot Ion:101 Resp: 631356

Ion Ratio Lower Upper

101 100

103 65.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

300000

200000

100000

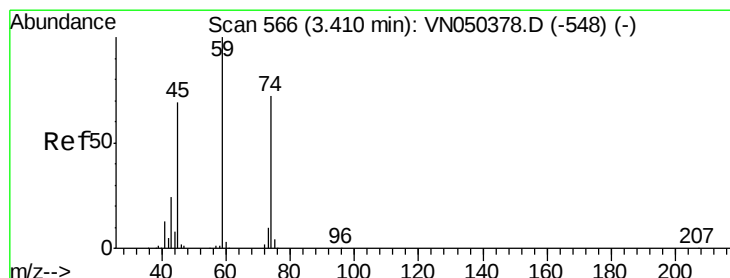
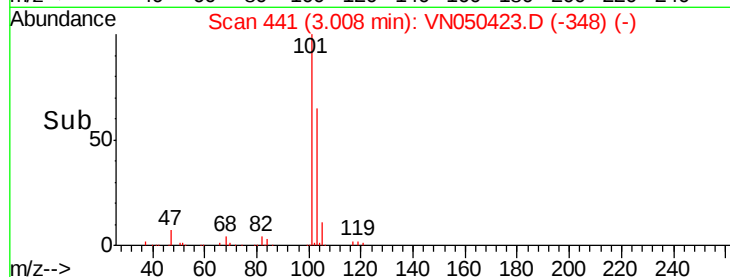
0

Time-->

2.90

3.00

3.10



#8

Diethyl Ether

Concen: 44.78 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050423.D

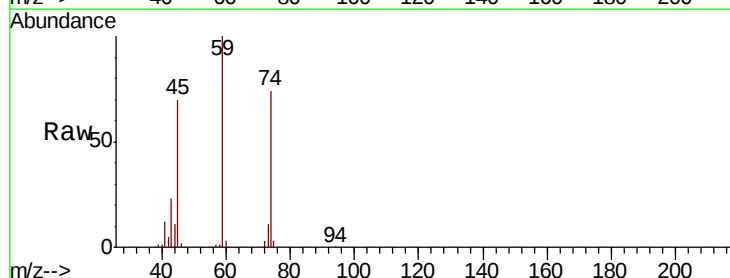
Acq: 7 Aug 2018 11:38

Tgt Ion: 74 Resp: 215823

Ion Ratio Lower Upper

74 100

45 97.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

60000

40000

20000

0

Time-->

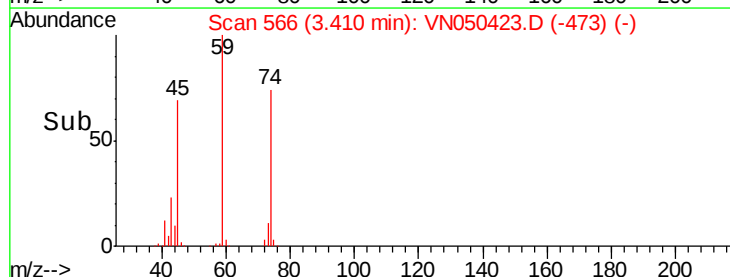
3.30

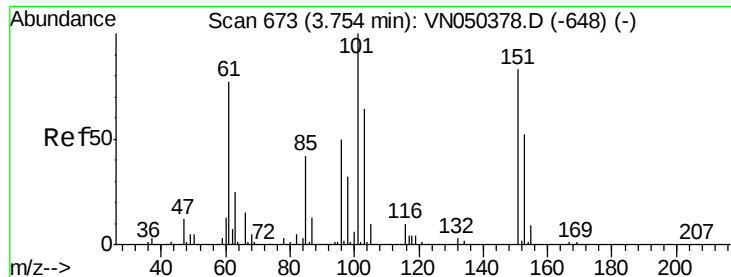
3.35

3.40

3.45

3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.11 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

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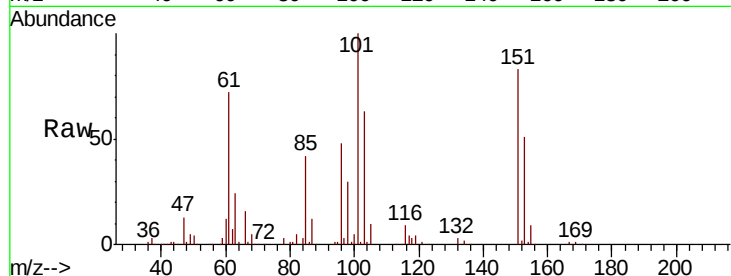
Tot Ion:101 Resp: 398867

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

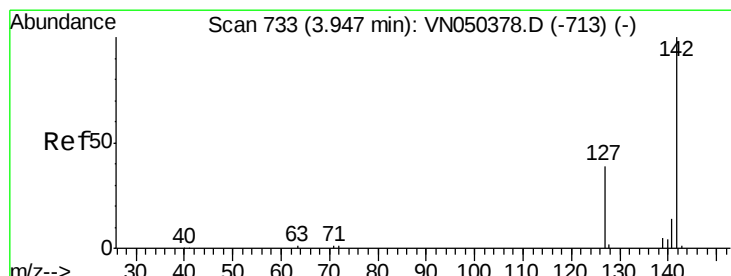
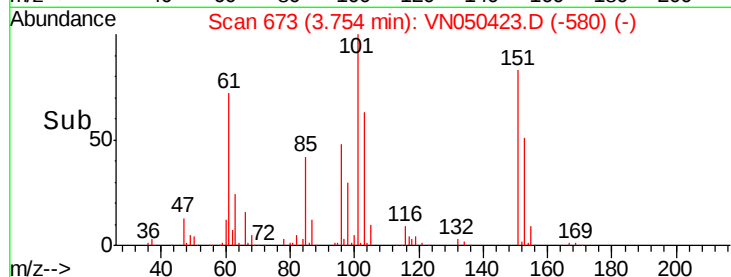
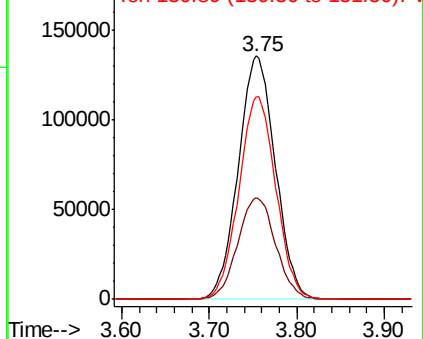
151 82.9 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.76 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

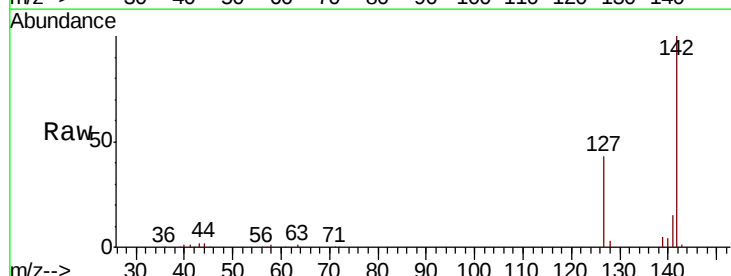
Tgt Ion:142 Resp: 188772

Ion Ratio Lower Upper

142 100

127 42.6 33.4 50.2

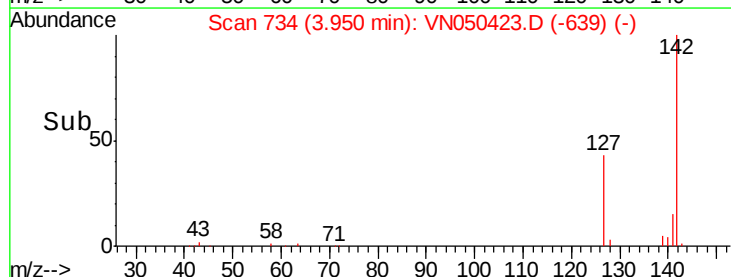
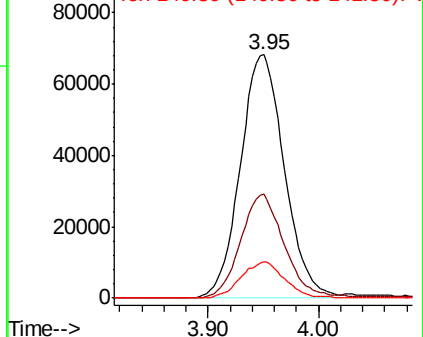
141 14.8 11.6 17.4

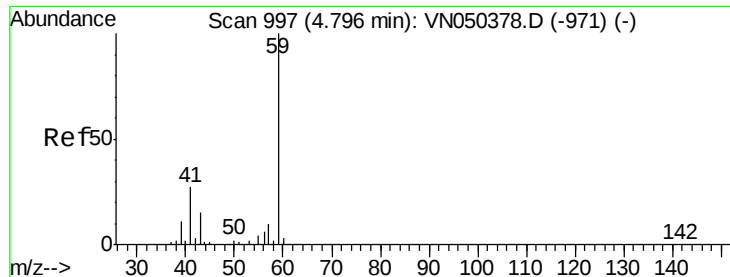


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

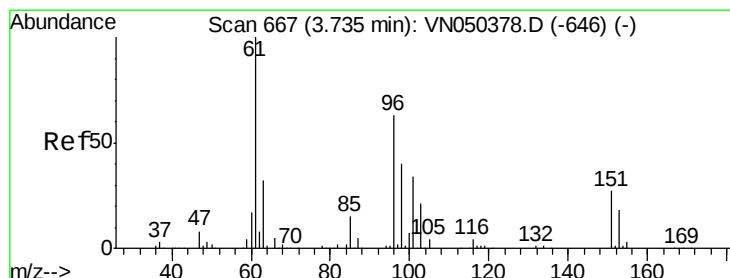
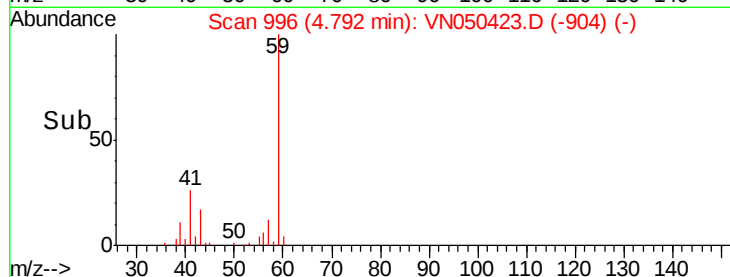
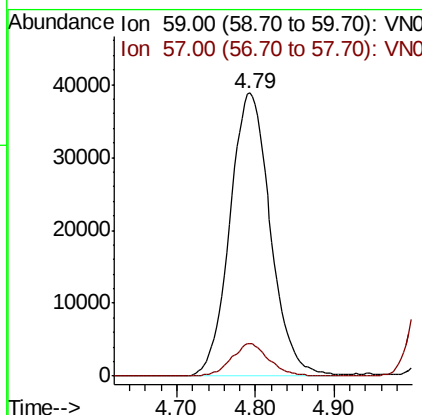
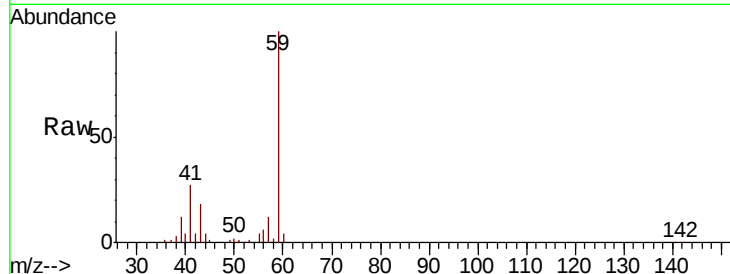




#11
Tert butyl alcohol
Concen: 183.30 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

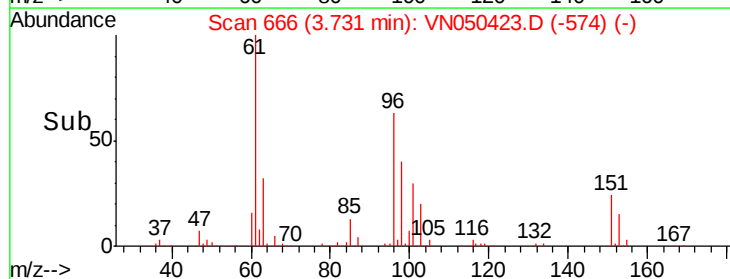
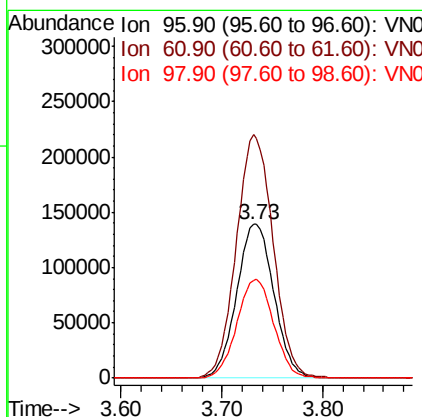
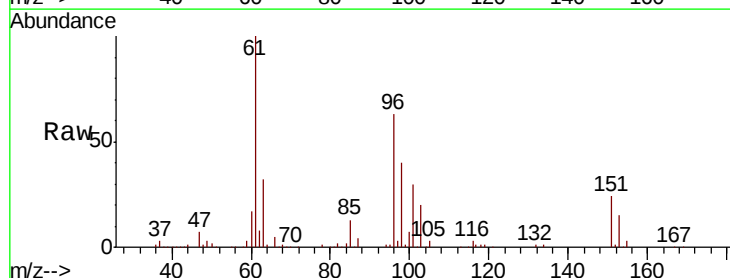
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

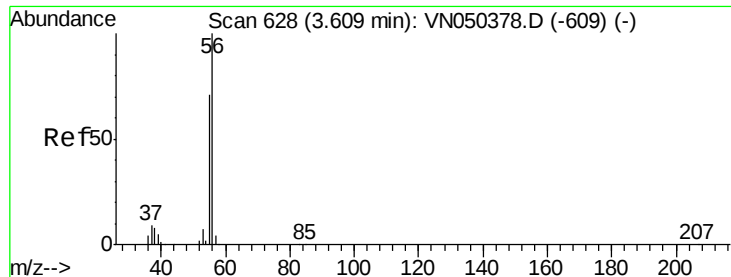
Tot Ion: 59 Resp: 139331
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 46.44 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 96 Resp: 355555
Ion Ratio Lower Upper
96 100
61 158.2 124.4 186.6
98 63.9 48.3 72.5





#13

Acrolein

Concen: 202.81 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

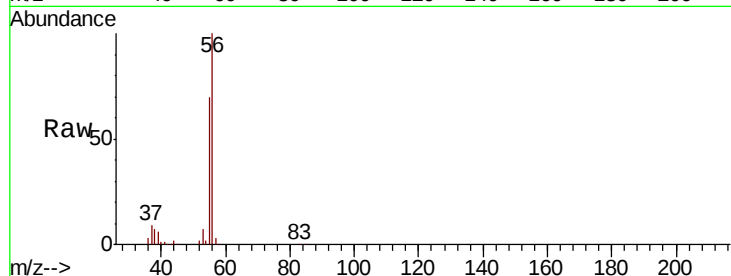
VSTDCCC050

Tot Ion: 56 Resp: 197589

Ion Ratio Lower Upper

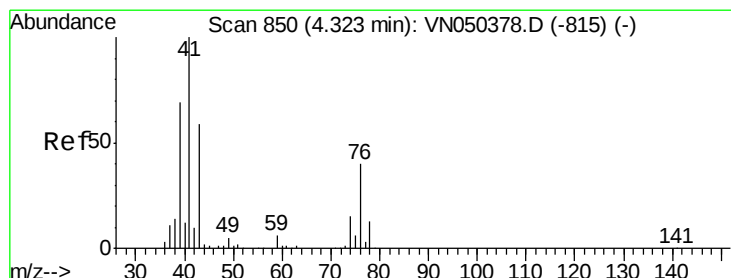
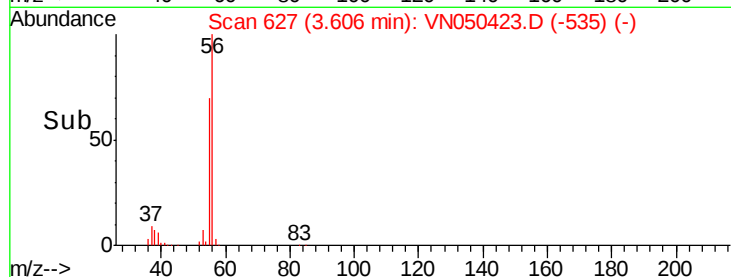
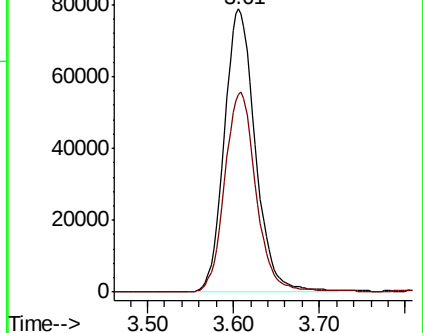
56 100

55 71.4 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-609) (-)

Ion 55.00 (54.70 to 55.70): VN050378.D (-609) (-)



#14

Allyl chloride

Concen: 45.59 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

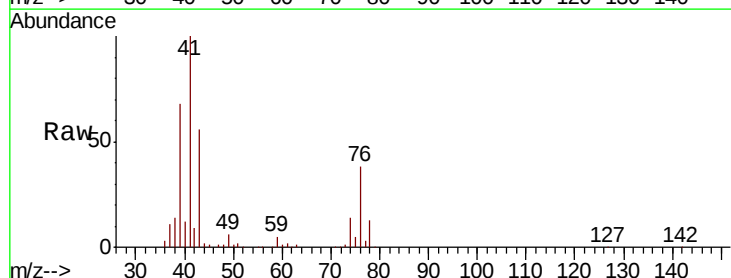
Tgt Ion: 41 Resp: 560530

Ion Ratio Lower Upper

41 100

39 66.0 54.2 81.4

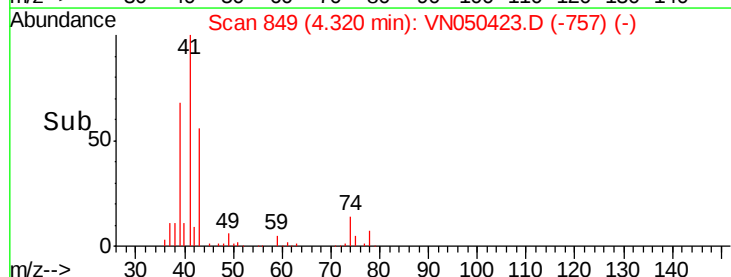
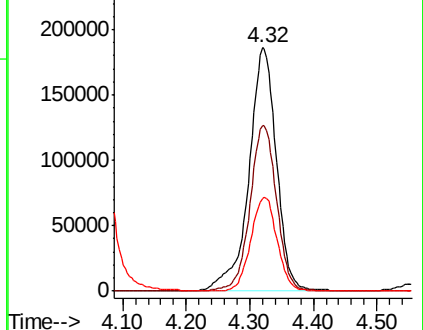
76 36.4 29.0 43.6

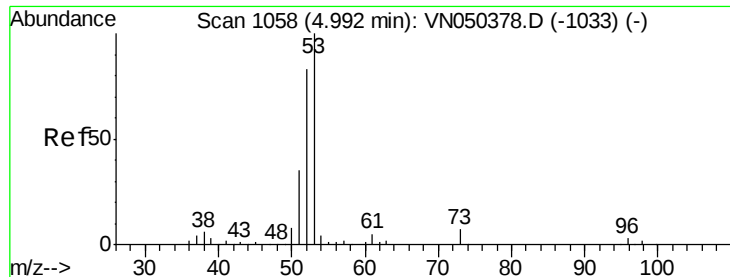


Abundance Ion 41.00 (40.70 to 41.70): VN050378.D (-815) (-)

Ion 39.00 (38.70 to 39.70): VN050378.D (-815) (-)

Ion 75.90 (75.60 to 76.60): VN050378.D (-815) (-)





#15

Acrylonitrile

Concen: 216.63 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

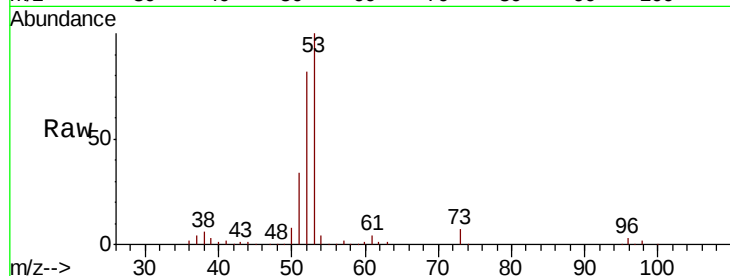
Tot Ion: 53 Resp: 689737

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.2

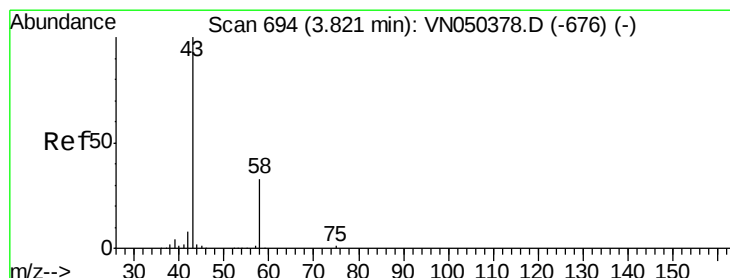
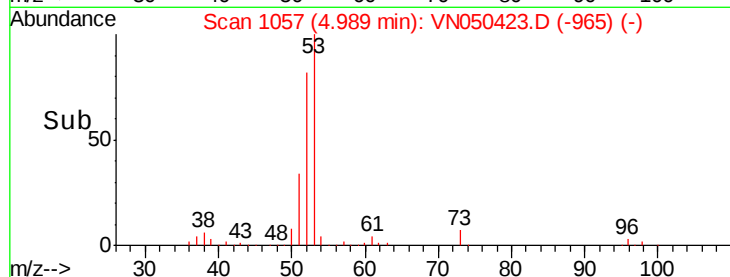
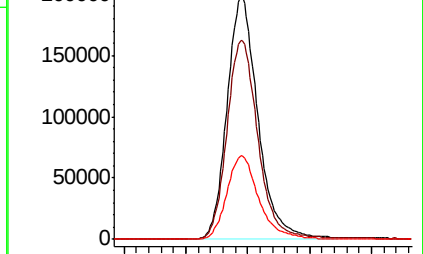
51 35.8 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050378.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050378.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050378.D (-1033) (-)



#16

Acetone

Concen: 217.05 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN050423.D

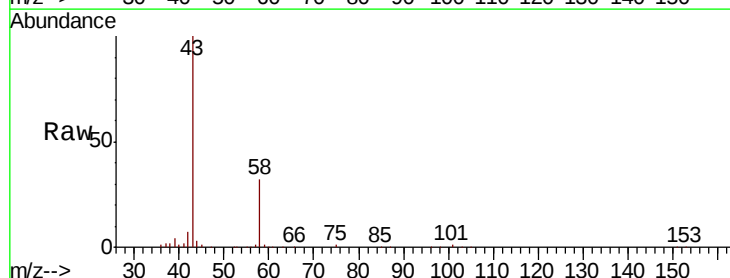
Acq: 7 Aug 2018 11:38

Tgt Ion: 43 Resp: 612619

Ion Ratio Lower Upper

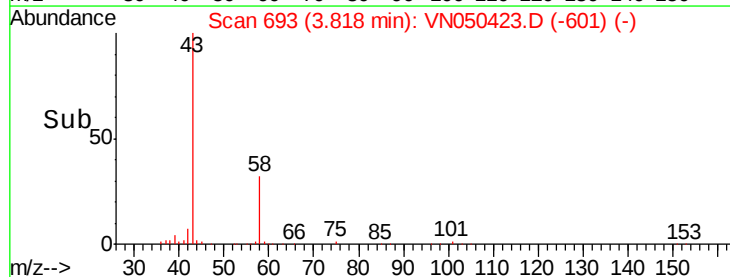
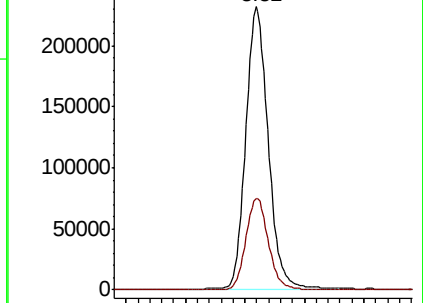
43 100

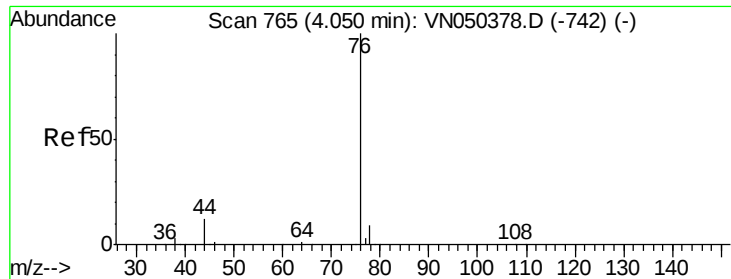
58 32.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-676) (-)

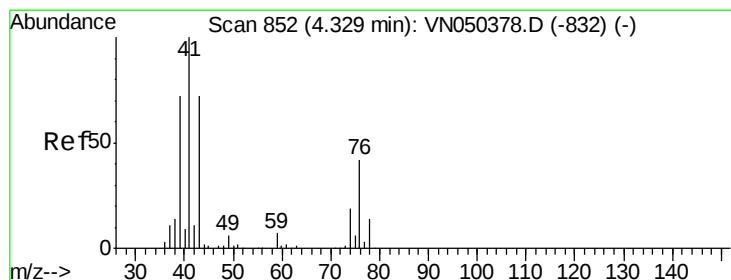
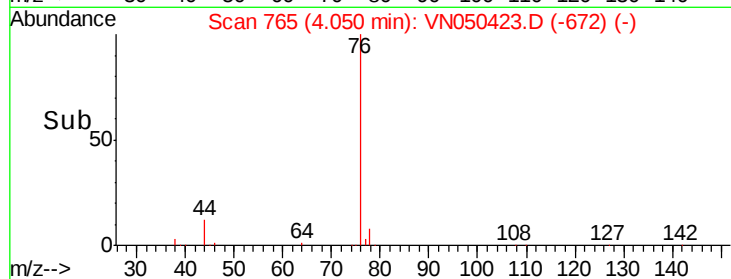
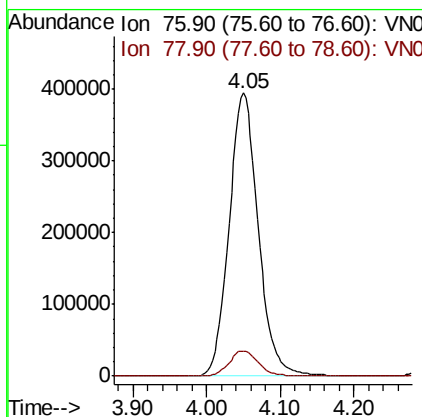
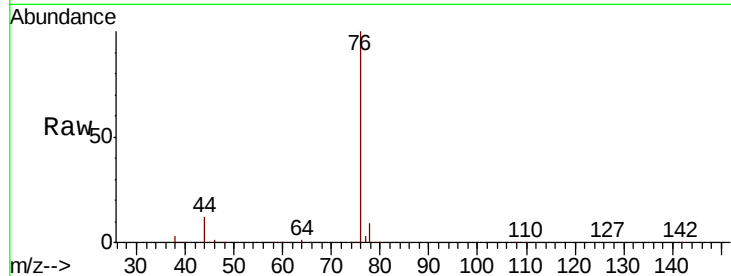




#17
Carbon Disulfide
Concen: 43.56 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

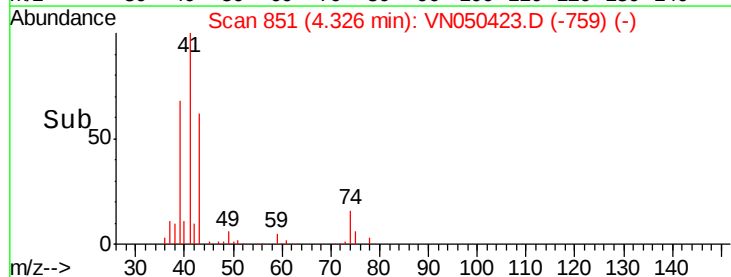
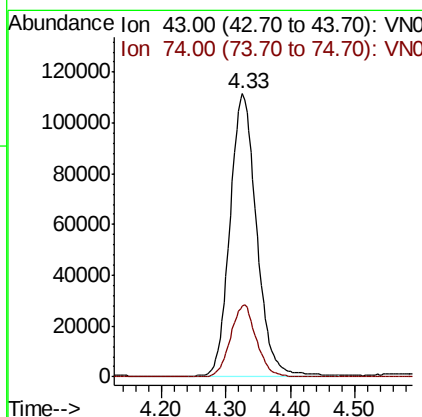
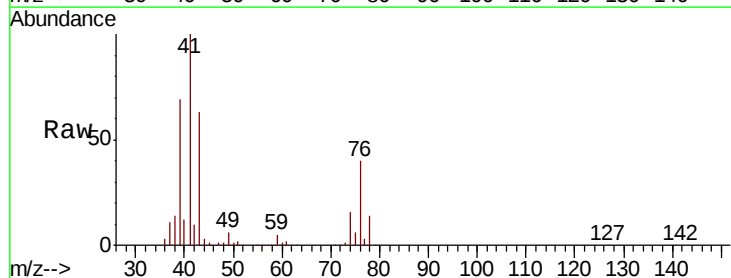
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

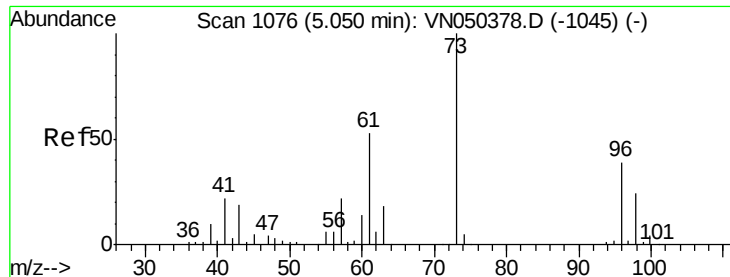
Tot Ion: 76 Resp: 1084474
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 43.78 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 43 Resp: 321202
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8

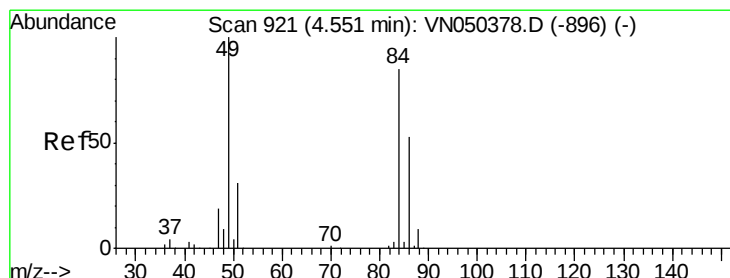
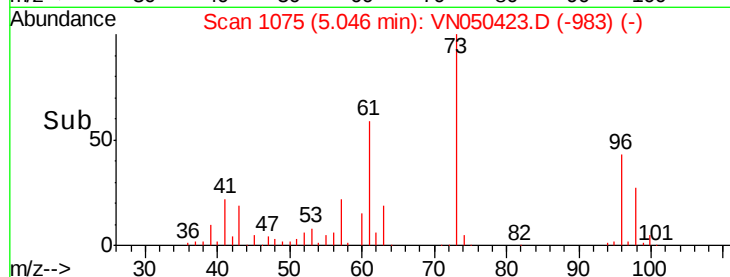
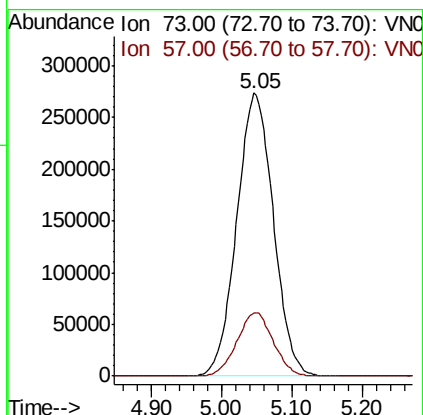
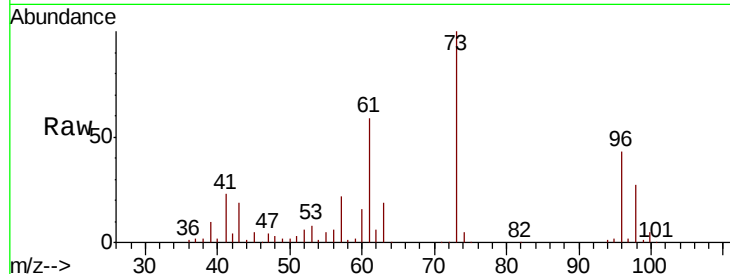




#19
Methvl tert-butvl Ether
Concen: 45.52 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

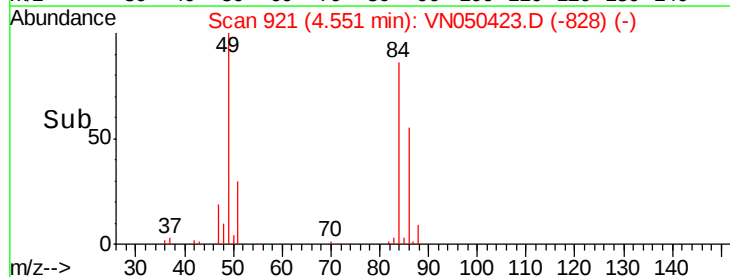
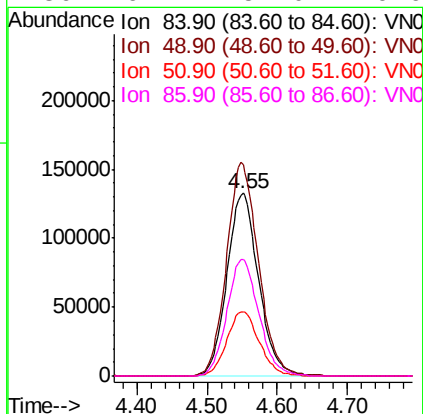
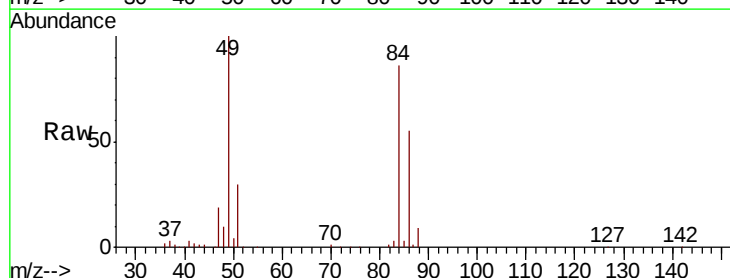
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

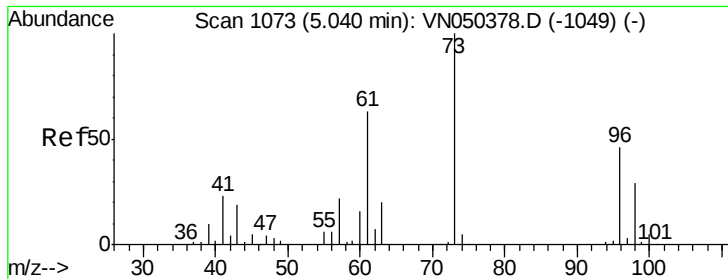
Tot Ion: 73 Resp: 989144
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 48.21 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 84 Resp: 416504
Ion Ratio Lower Upper
84 100
49 115.5 94.8 142.2
51 35.0 28.3 42.5
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.75 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

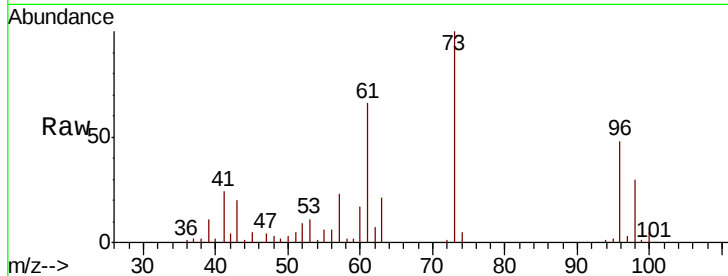
Tot Ion: 96 Resp: 387371

Ion Ratio Lower Upper

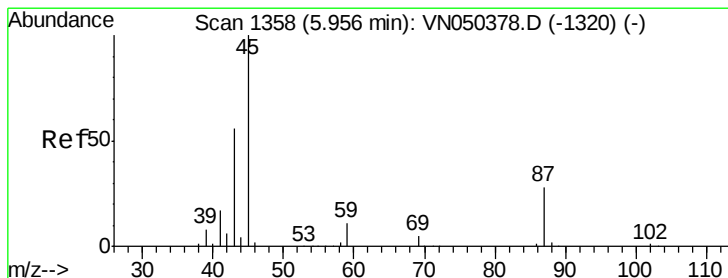
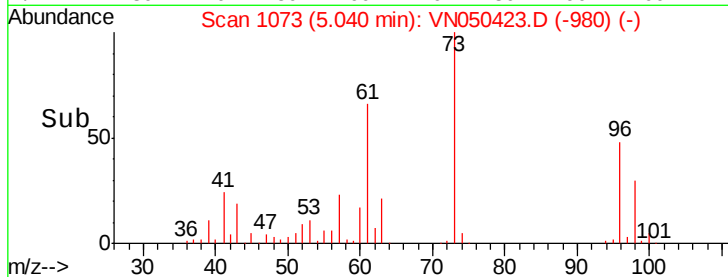
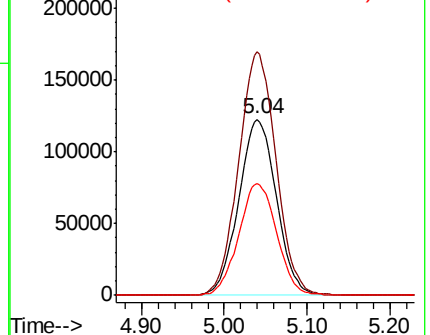
96 100

61 138.4 110.7 166.1

98 63.6 51.6 77.4



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



#22

Diisopropyl ether

Concen: 48.71 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion: 45 Resp: 1223509

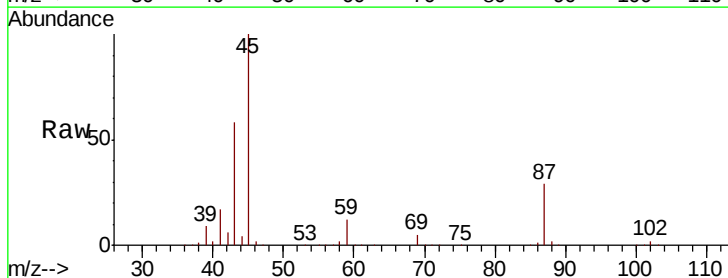
Ion Ratio Lower Upper

45 100

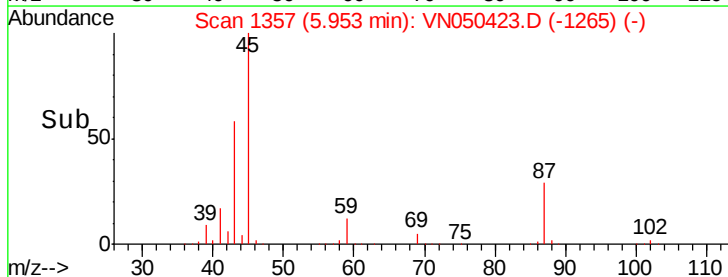
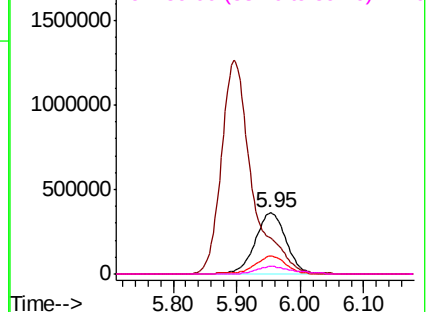
43 57.9 45.7 68.5

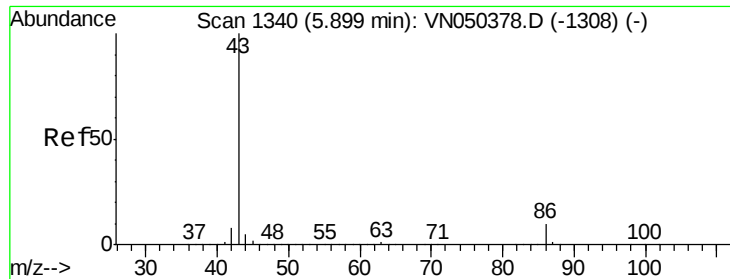
87 29.3 22.7 34.1

59 12.1 9.5 14.3



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

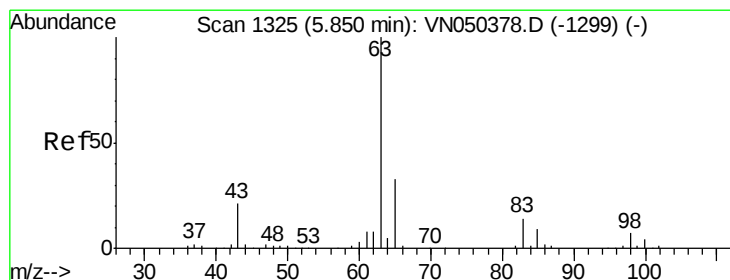
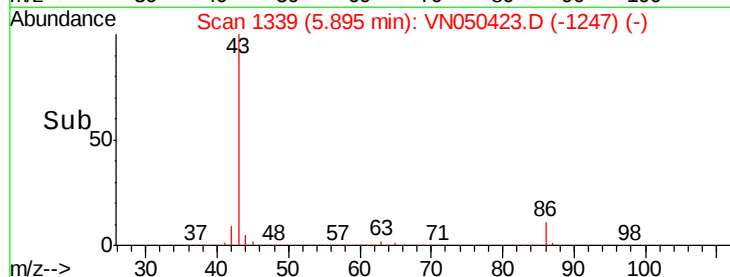
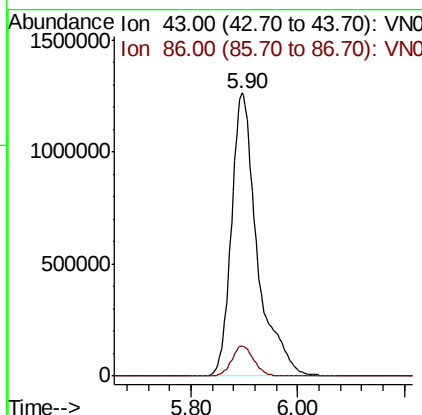
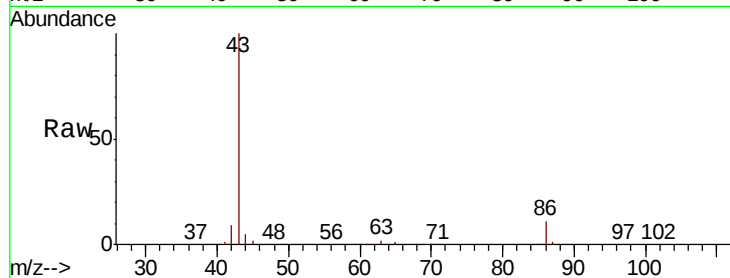




#23
 Vinyl Acetate
 Concen: 235.43 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

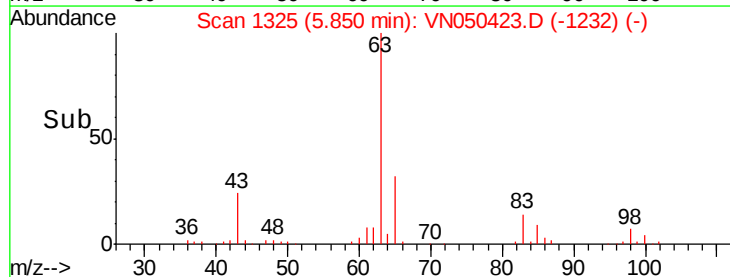
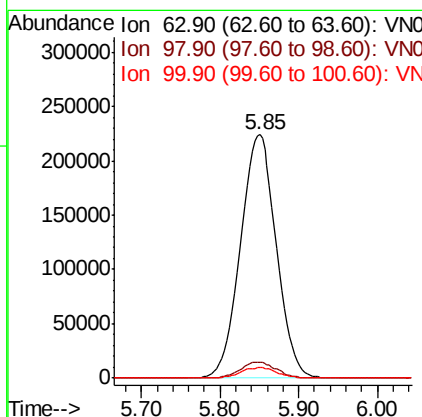
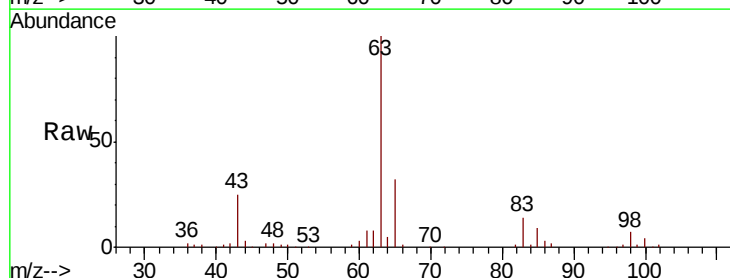
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

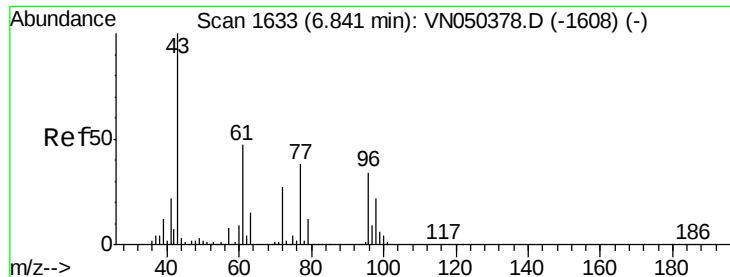
Tot Ion: 43 Resp: 4219130
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 46.55 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion: 63 Resp: 717432
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 216.09 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

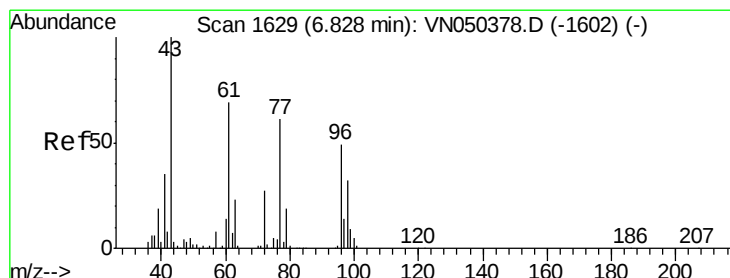
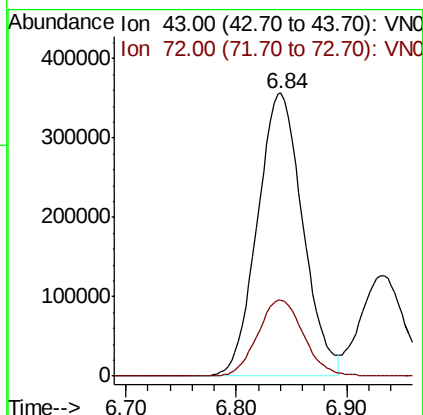
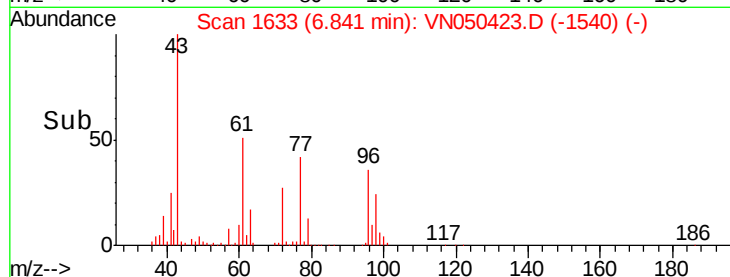
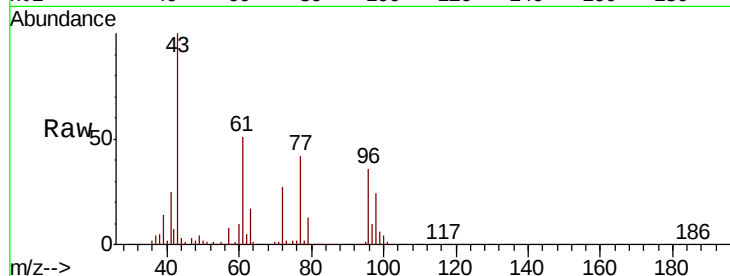
VSTDCCC050

Tot Ion: 43 Resp: 1013180

Ion Ratio Lower Upper

43 100

72 27.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 47.56 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050423.D

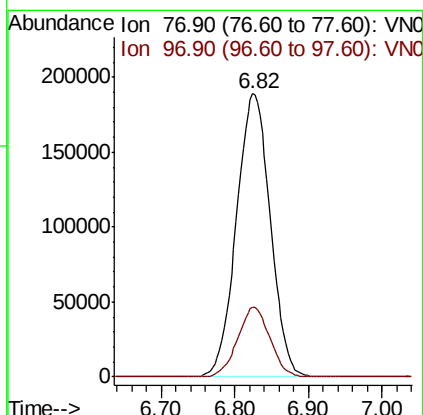
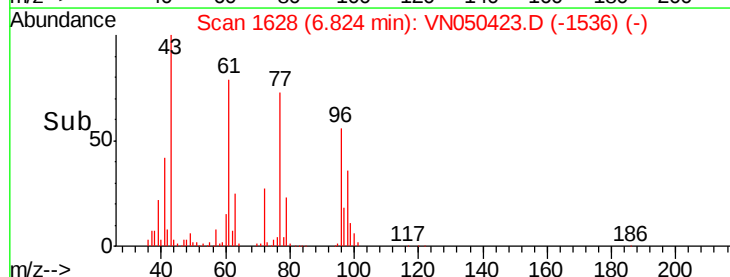
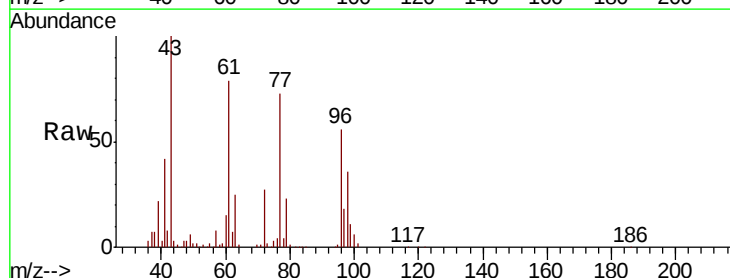
Acq: 7 Aug 2018 11:38

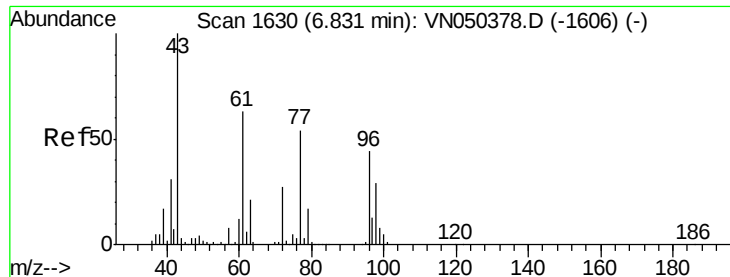
Tgt Ion: 77 Resp: 604212

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3

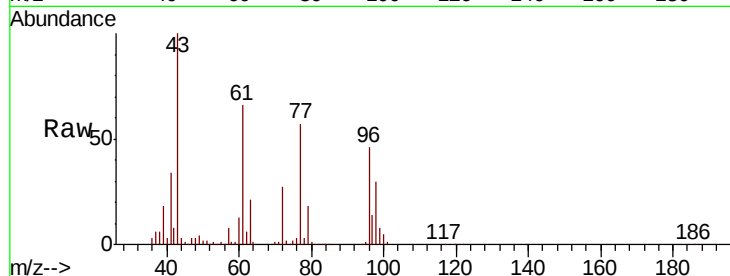




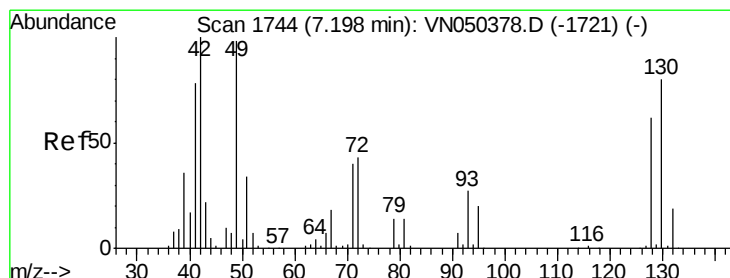
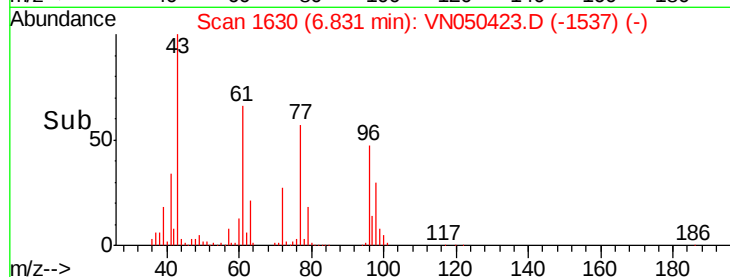
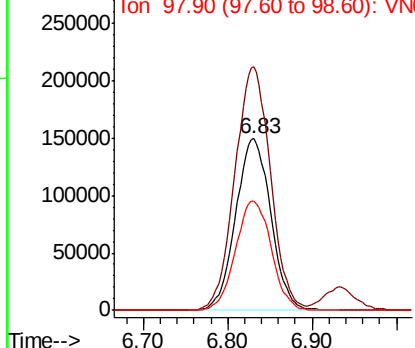
#27
 cis-1,2-Dichloroethene
 Concen: 47.34 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 434694
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 285.0
 98 64.6 0.0 129.2

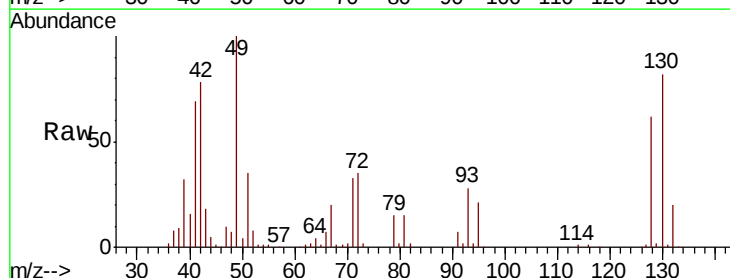


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

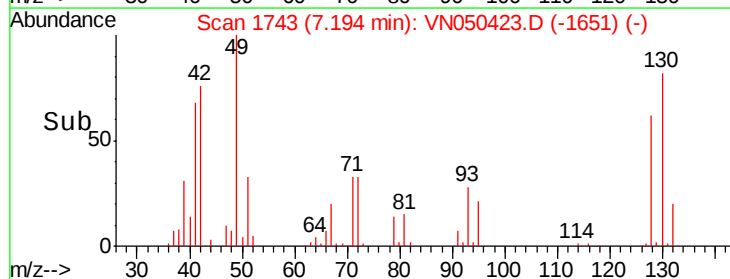
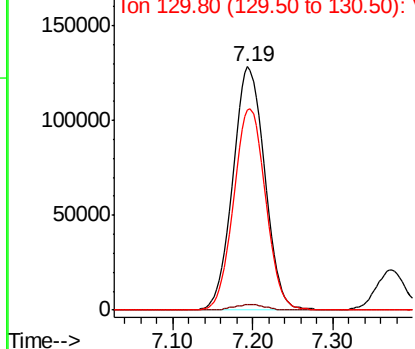


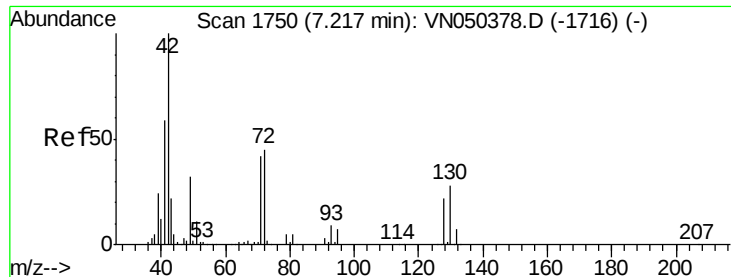
#28
 Bromochloromethane
 Concen: 48.82 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion: 49 Resp: 346331
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.0
 130 82.8 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

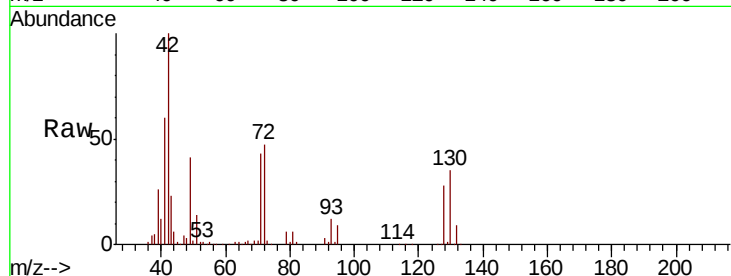




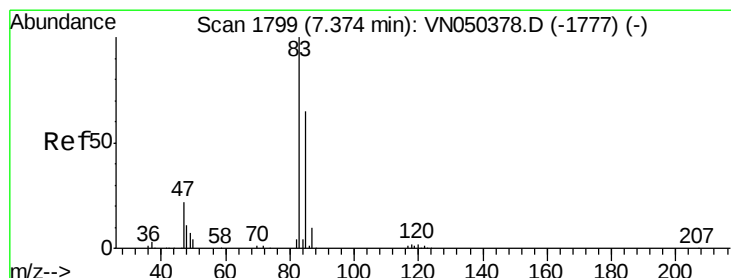
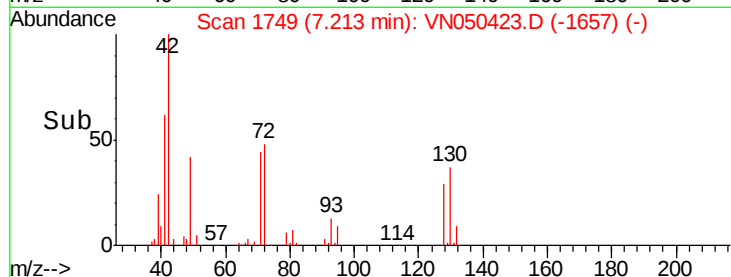
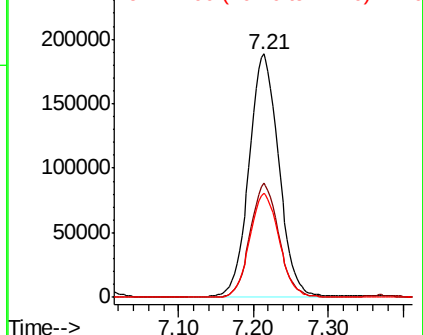
#29
Tetrahydrofuran
Concen: 208.37 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 522951
Ion Ratio Lower Upper
42 100
72 45.2 35.9 53.9
71 42.5 33.7 50.5

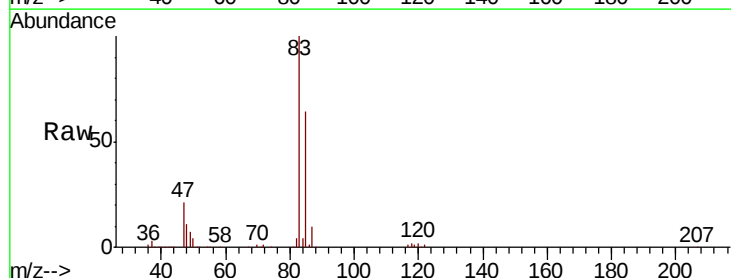


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

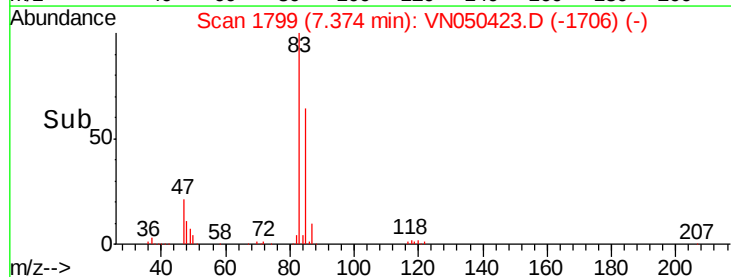
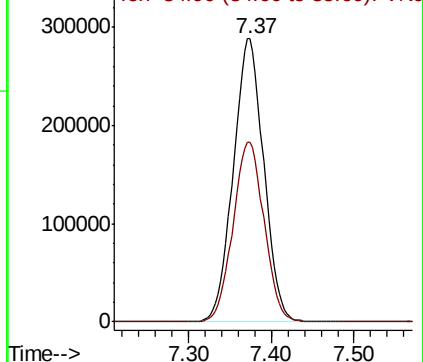


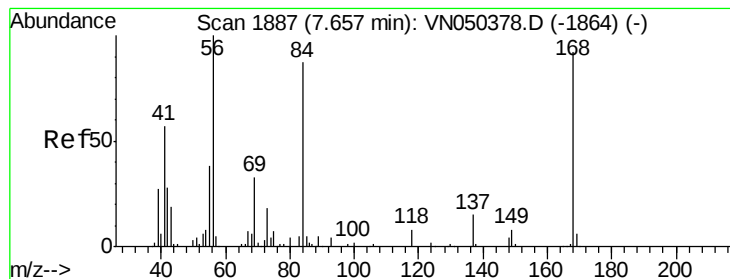
#30
Chloroform
Concen: 47.83 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 83 Resp: 736876
Ion Ratio Lower Upper
83 100
85 63.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.14 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

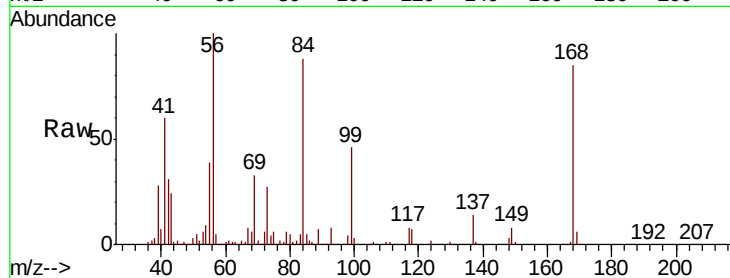
Tot Ion: 56 Resp: 653273

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

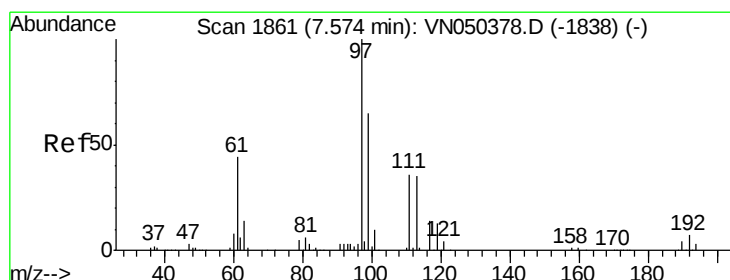
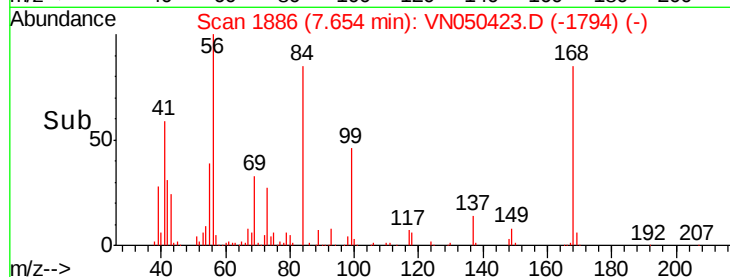
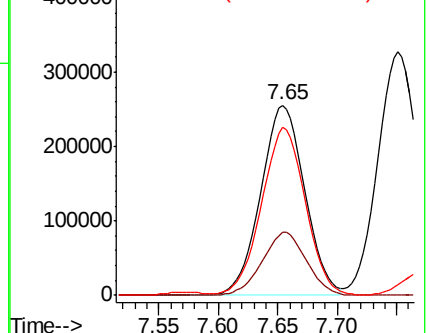
84 86.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050378.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050378.D (-1864) (-)



#32

1,1,1-Trichloroethane

Concen: 47.42 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

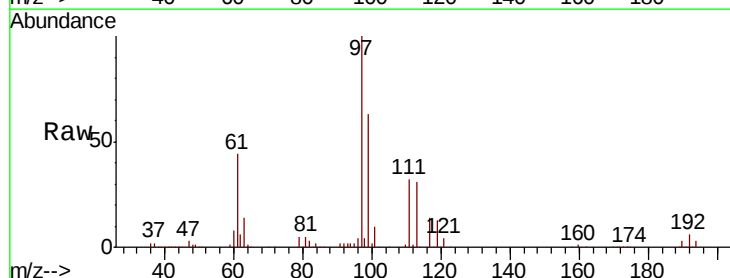
Tgt Ion: 97 Resp: 627408

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

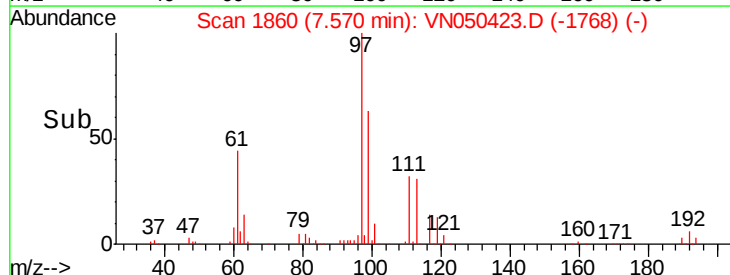
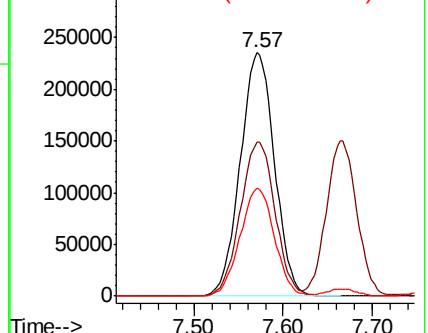
61 44.6 35.4 53.0

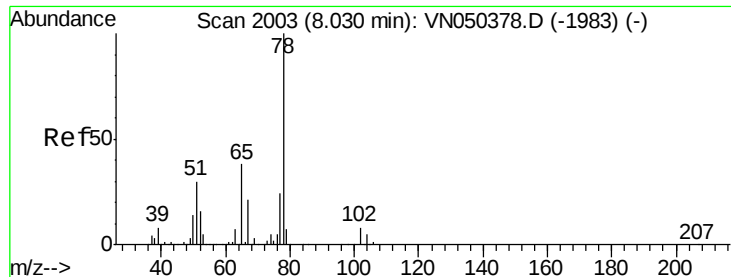


Abundance Ion 96.90 (96.60 to 97.60): VN050378.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050378.D (-1838) (-)





#33

1,2-Dichloroethane-d4

Concen: 46.14 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

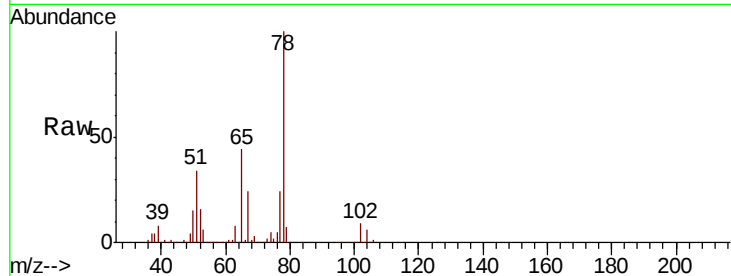
VSTDCCC050

Tot Ion: 65 Resp: 436600

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

150000

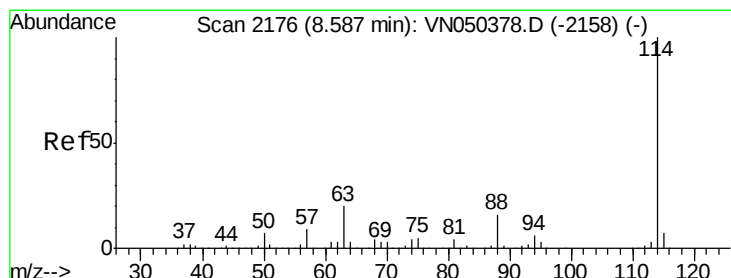
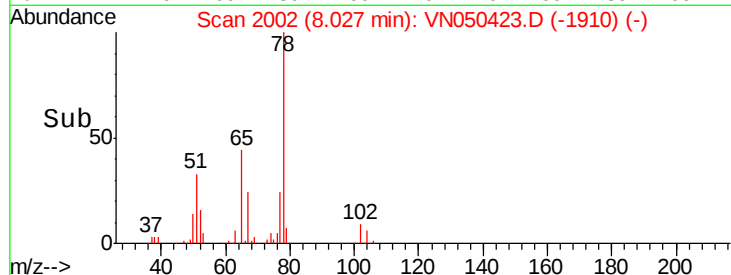
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

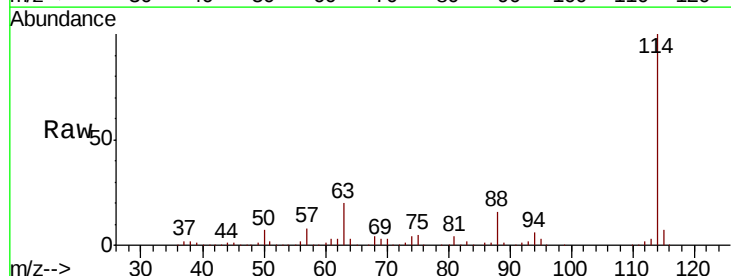
Tgt Ion: 114 Resp: 974493

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

600000

500000

400000

300000

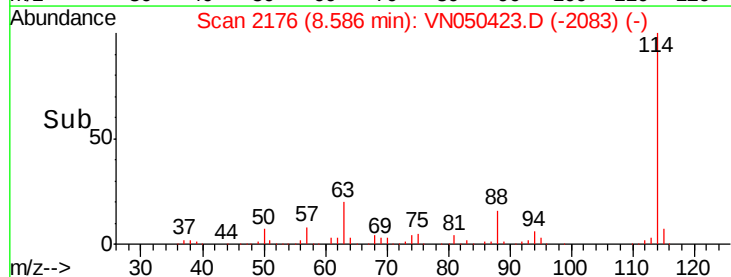
200000

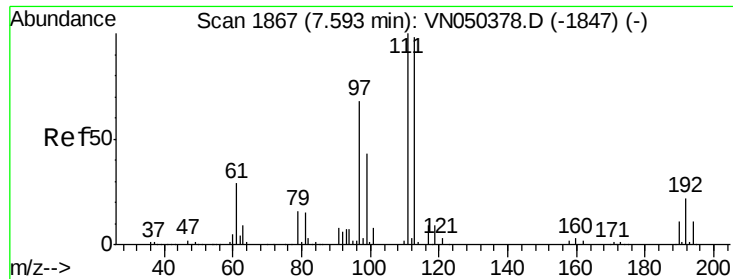
100000

0

8.50 8.60 8.70

Time-->

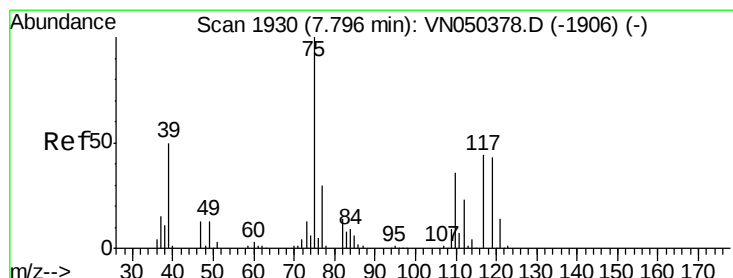
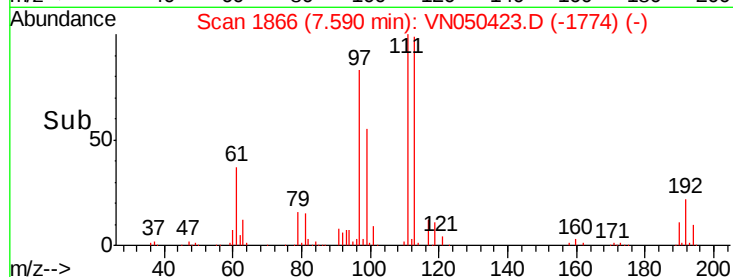
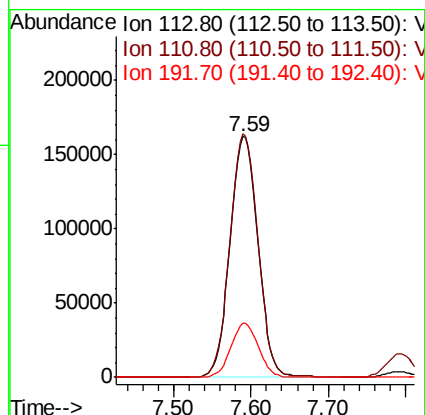
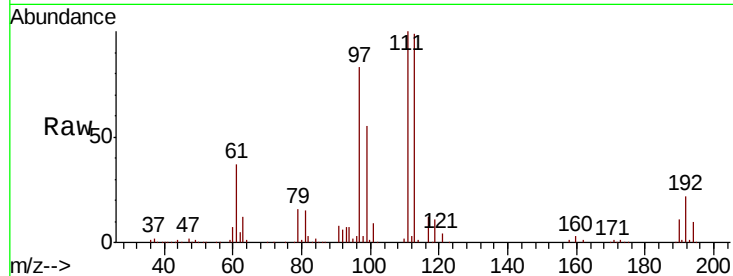




#35
Dibromofluoromethane
Concen: 51.97 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

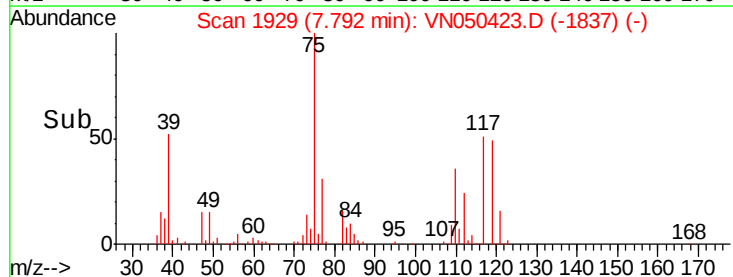
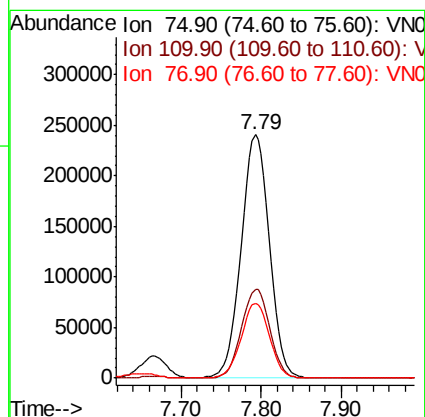
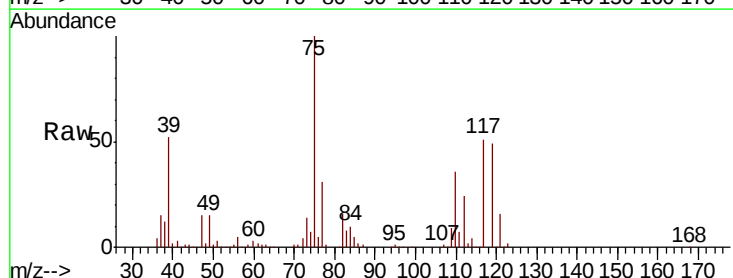
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

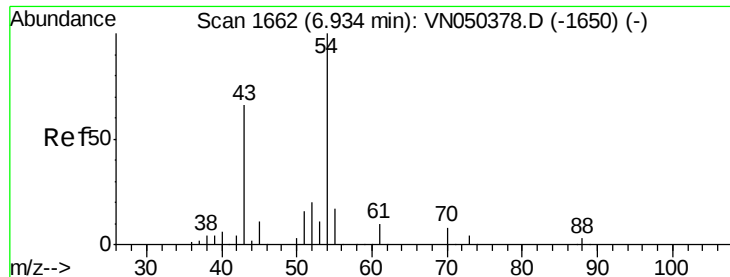
Tot Ion:113 Resp: 406328
Ion Ratio Lower Upper
113 100
111 100.8 80.7 121.1
192 22.1 17.8 26.6



#36
1,1-Dichloropropene
Concen: 53.27 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 75 Resp: 570320
Ion Ratio Lower Upper
75 100
110 36.7 18.4 55.2
77 31.0 25.3 37.9

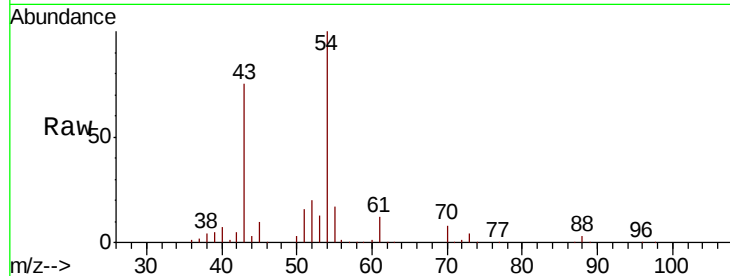




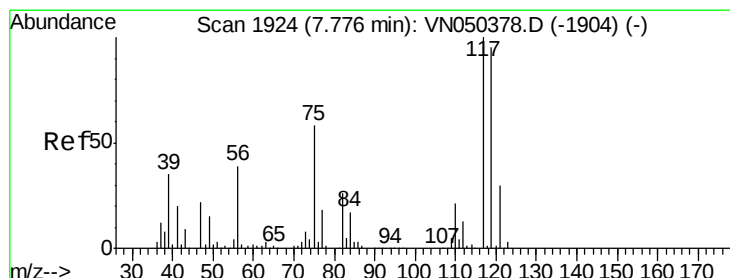
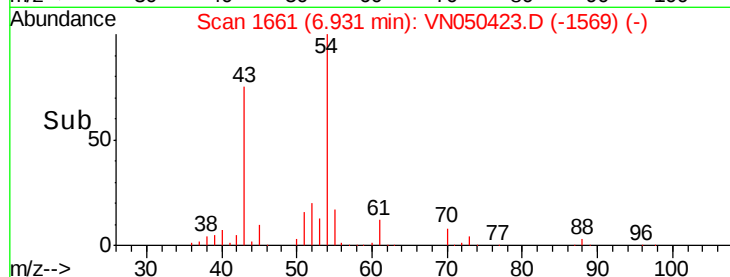
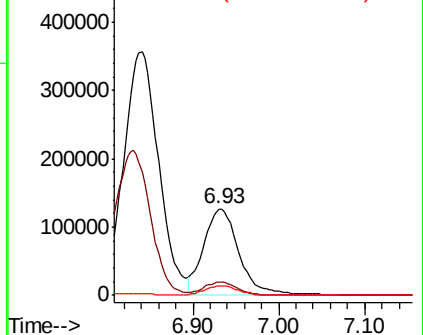
#37
Ethyl Acetate
Concen: 46.32 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 357161
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 10.7 8.4 12.6

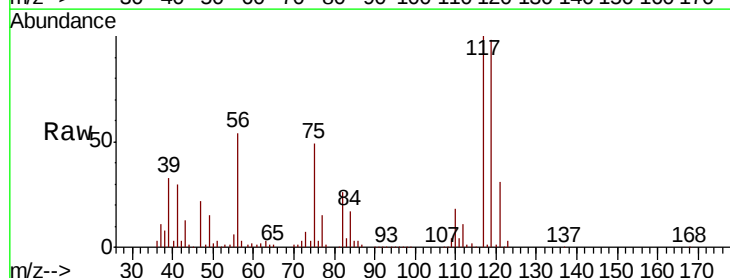


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

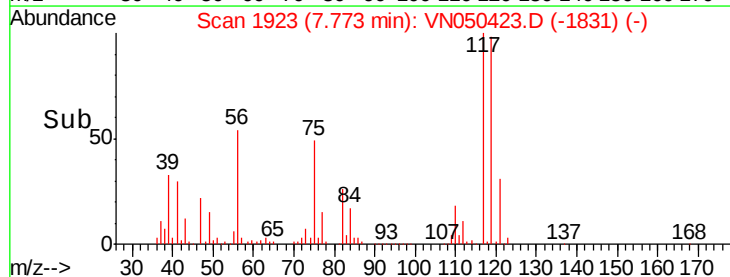
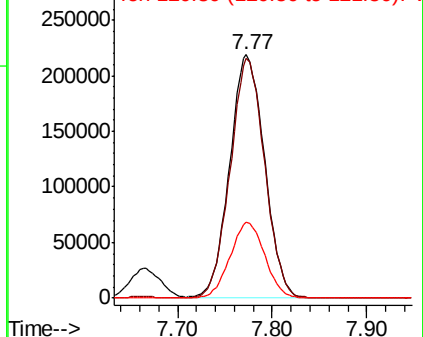


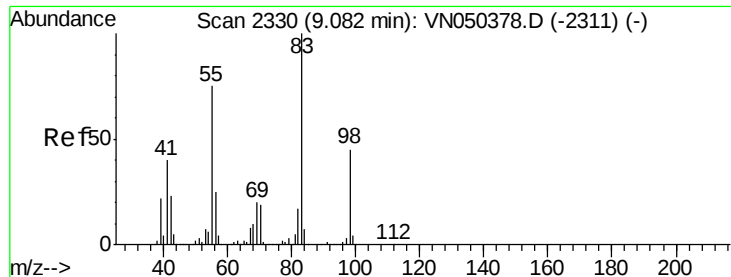
#38
Carbon Tetrachloride
Concen: 50.35 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 117 Resp: 562359
Ion Ratio Lower Upper
117 100
119 98.4 77.4 116.0
121 31.0 23.9 35.9



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

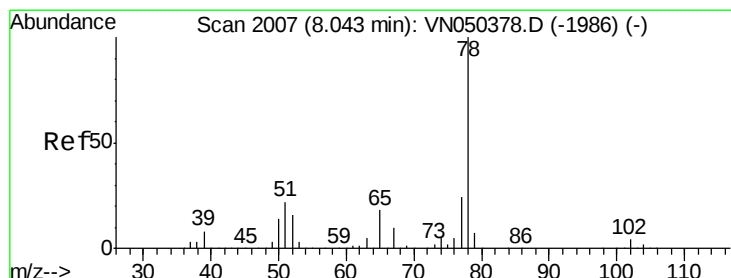
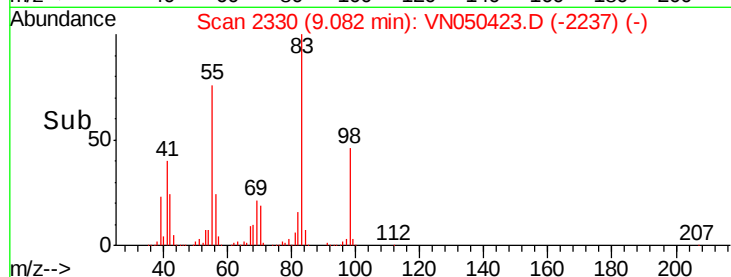
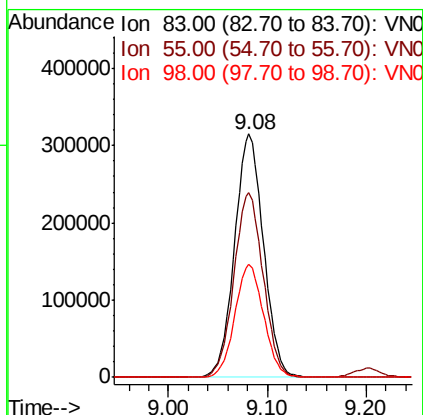
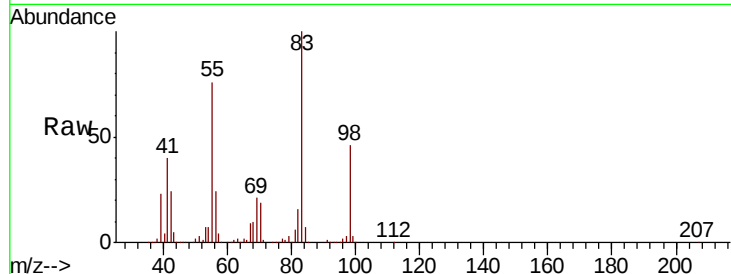




#39
Methvlcvclohexane
Concen: 54.79 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

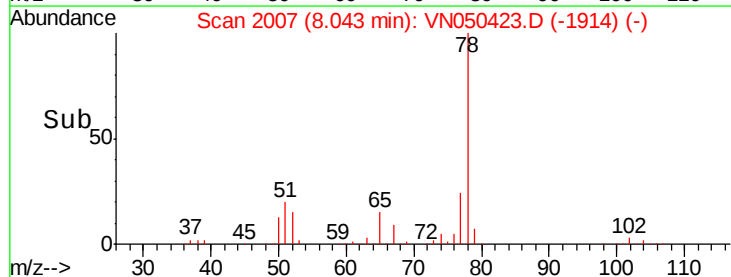
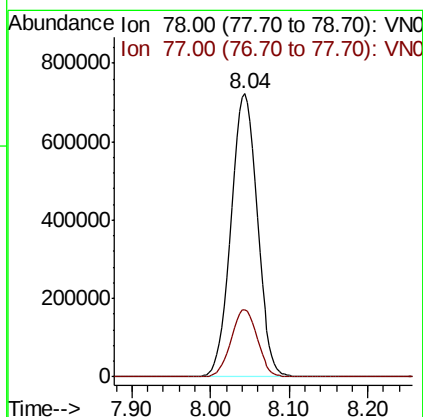
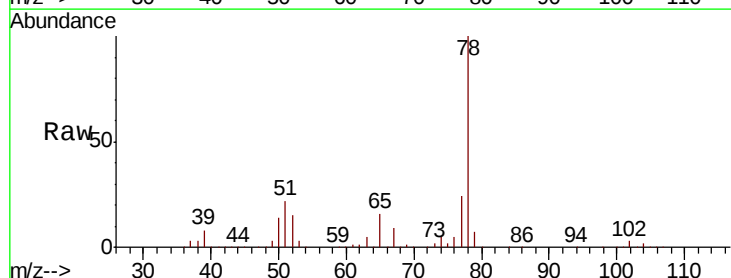
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

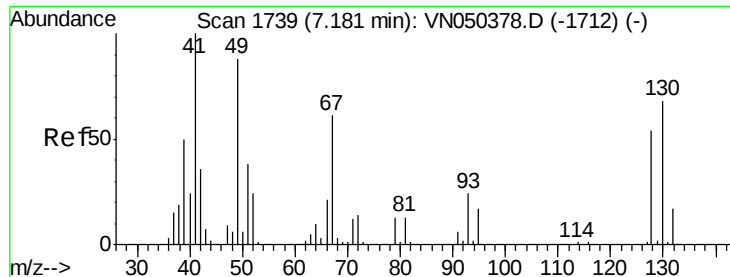
Tot Ion: 83 Resp: 640400
Ion Ratio Lower Upper
83 100
55 76.0 61.8 92.8
98 46.2 36.5 54.7



#40
Benzene
Concen: 51.19 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 78 Resp: 1684942
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

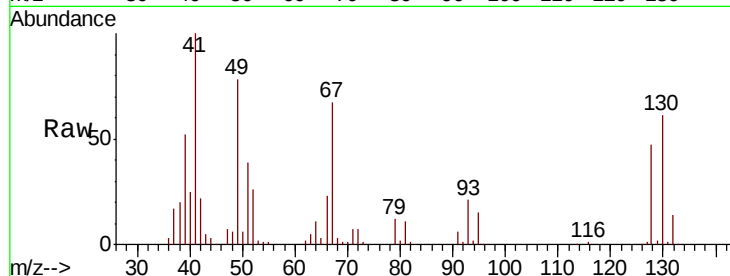




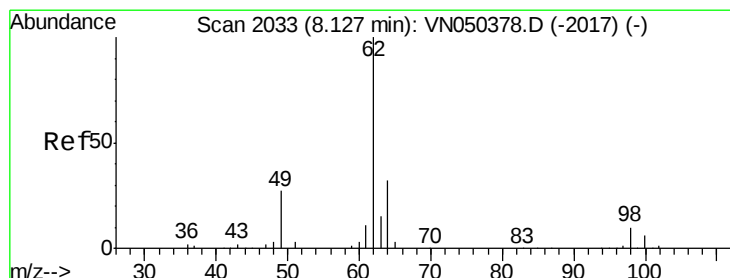
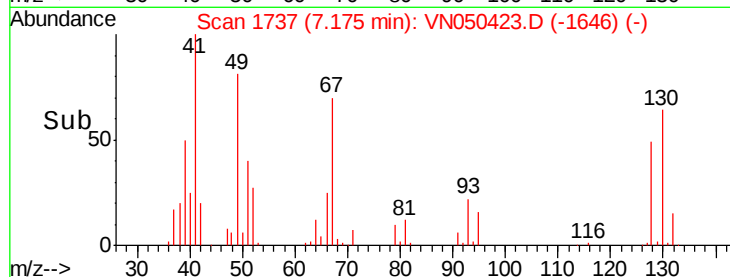
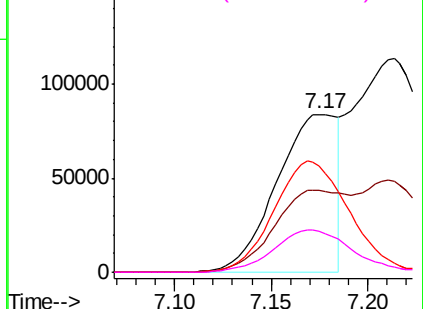
#41
Methacrylonitrile
Concen: 44.34 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 181795
Ion Ratio Lower Upper
41 100
39 62.0 55.8 83.6
67 88.6 84.3 126.5
52 34.6 34.2 51.2

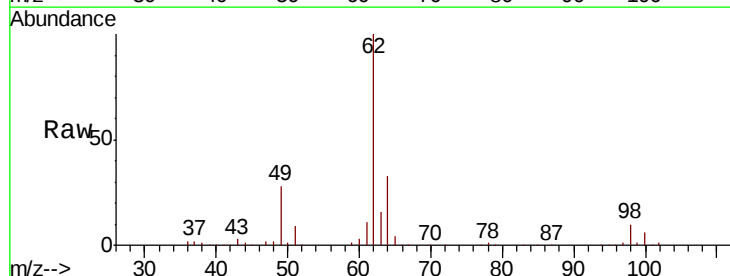


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

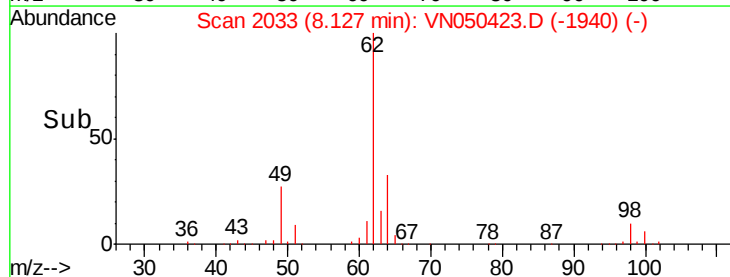
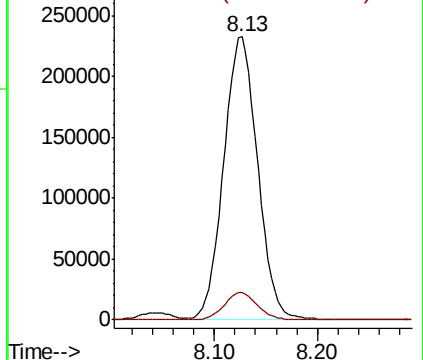


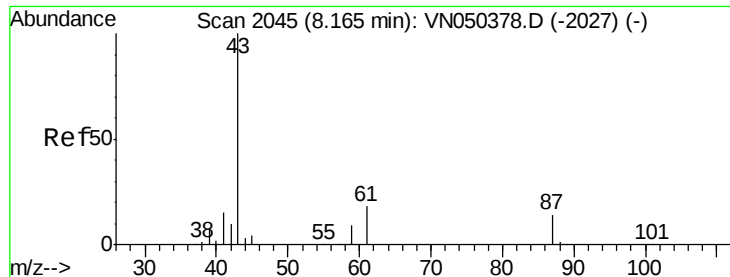
#42
1,2-Dichloroethane
Concen: 50.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 62 Resp: 531462
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 47.79 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

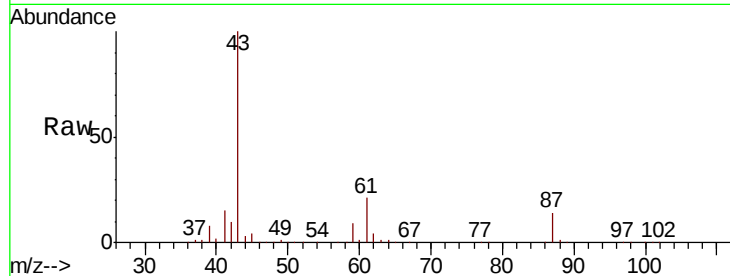
Tot Ion: 43 Resp: 636149

Ion Ratio Lower Upper

43 100

61 29.1 15.8 23.6#

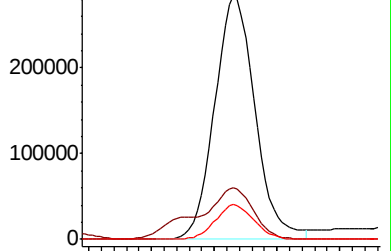
87 13.6 10.3 15.5



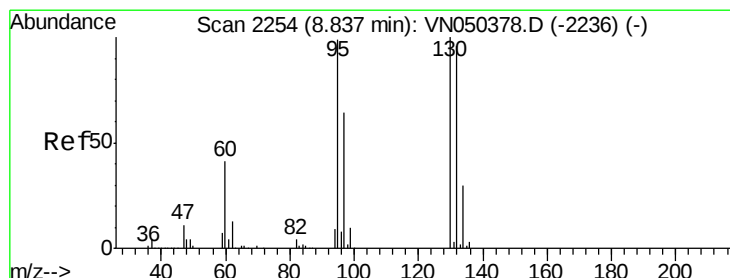
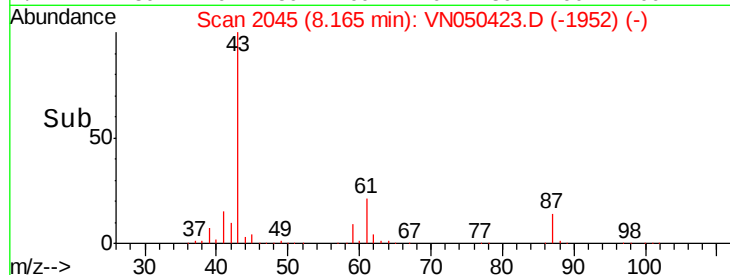
Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



Time-->



#44

Trichloroethene

Concen: 50.01 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050423.D

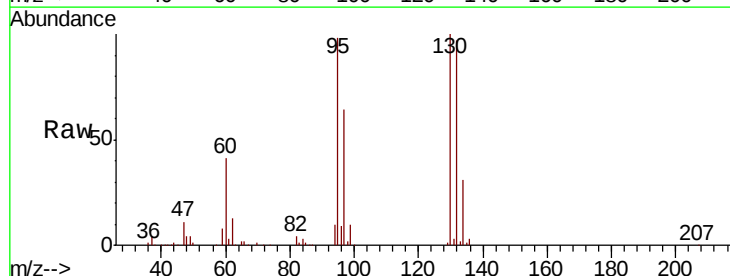
Acq: 7 Aug 2018 11:38

Tgt Ion:130 Resp: 442356

Ion Ratio Lower Upper

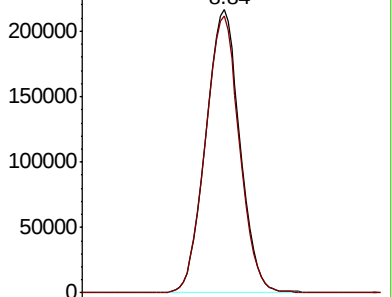
130 100

95 97.8 0.0 194.6

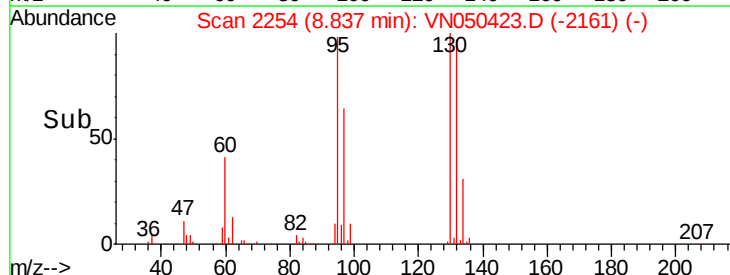


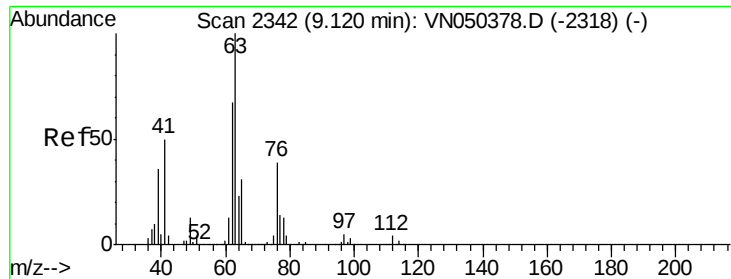
Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)



Time-->

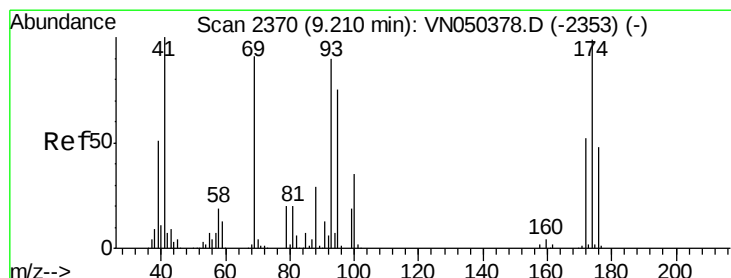
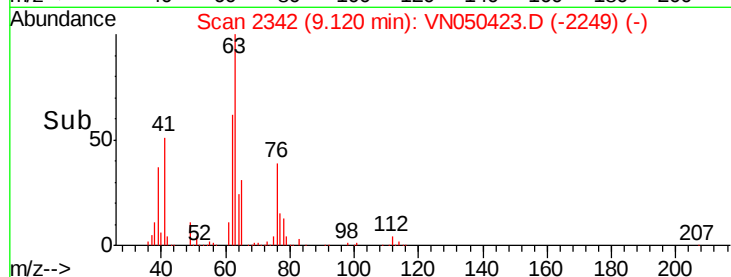
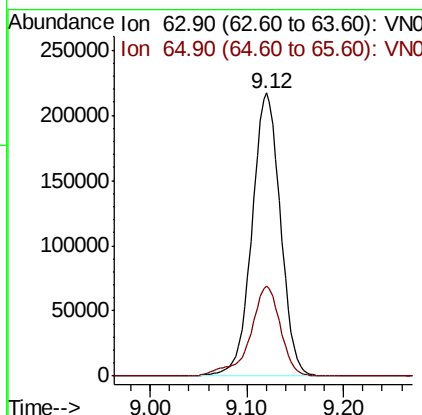
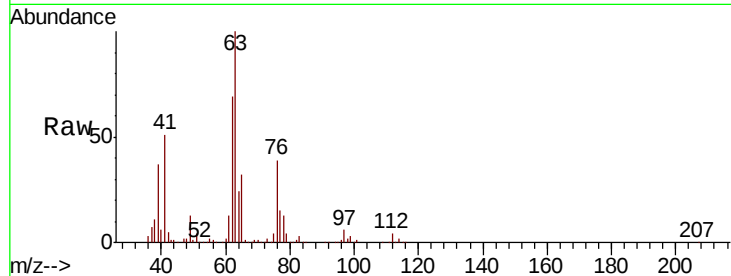




#45
 1,2-Dichloropropane
 Concen: 51.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

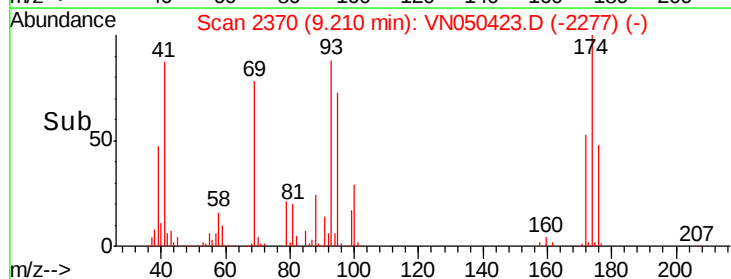
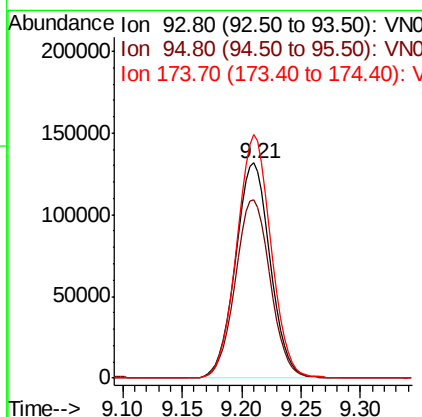
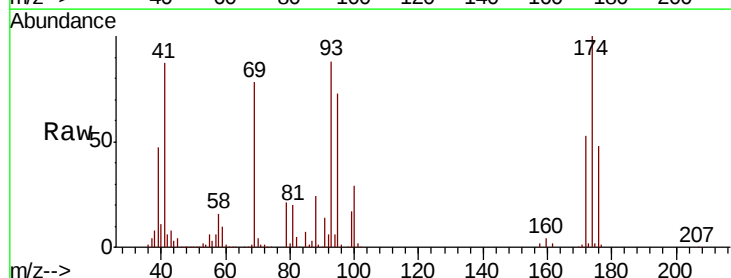
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

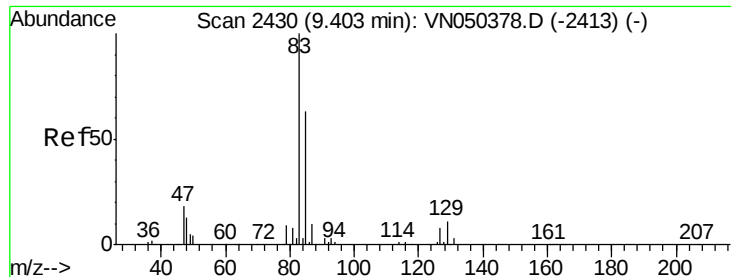
Tot Ion: 63 Resp: 443063
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.5 38.3



#46
 Dibromomethane
 Concen: 49.97 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion: 93 Resp: 267050
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 111.4 87.1 130.7





#47

Bromodichloromethane

Concen: 51.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

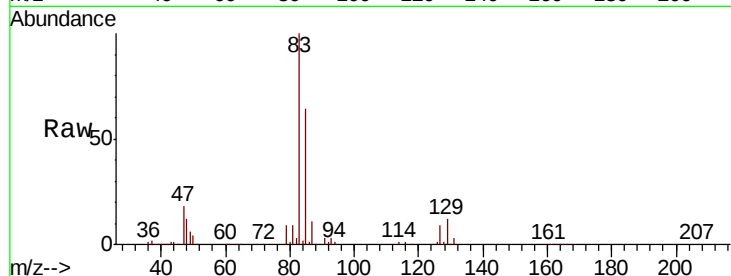
Tot Ion: 83 Resp: 566612

Ion Ratio Lower Upper

83 100

85 63.8 51.1 76.7

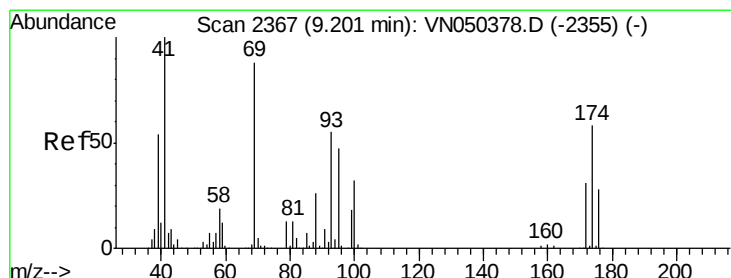
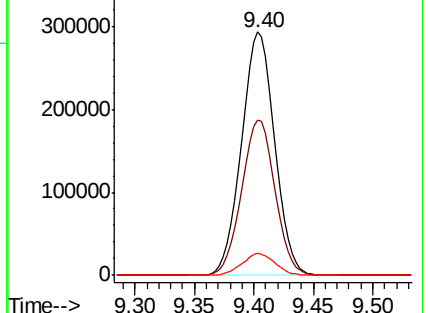
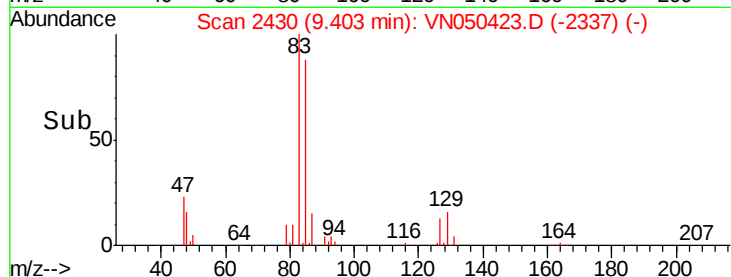
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050423.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050423.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050423.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.45 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

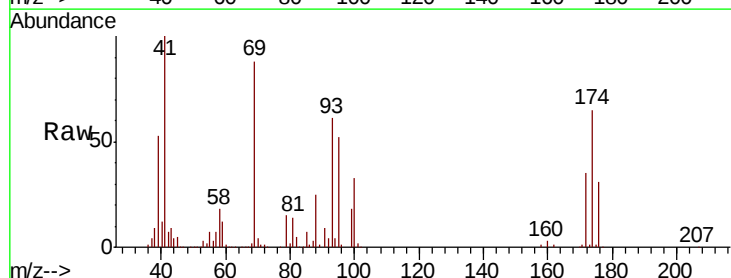
Tgt Ion: 41 Resp: 323254

Ion Ratio Lower Upper

41 100

69 89.7 70.6 105.8

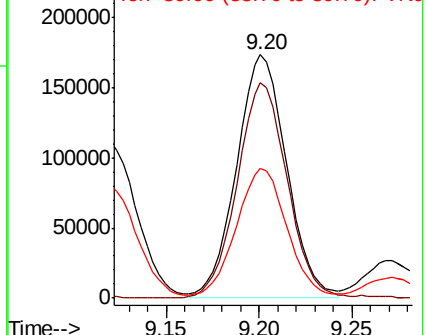
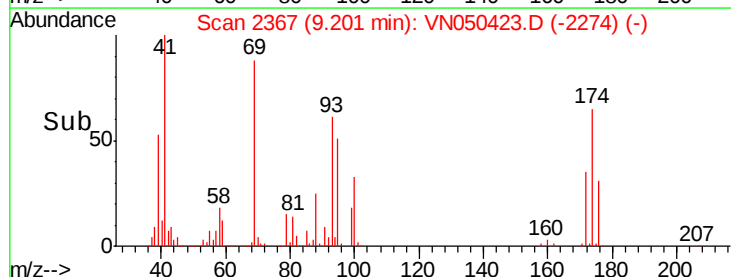
39 54.2 43.9 65.9

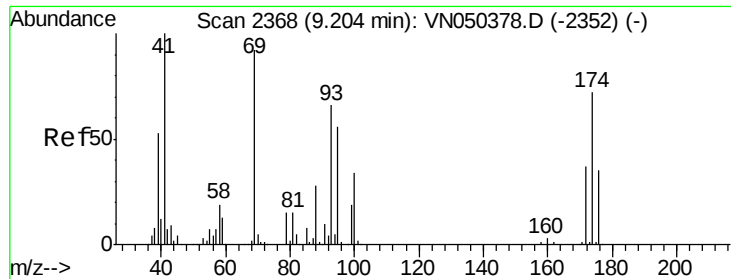


Abundance Ion 41.00 (40.70 to 41.70): VN050423.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050423.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050423.D (-2274) (-)





#49

1,4-Dioxane

Concen: 872.13 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

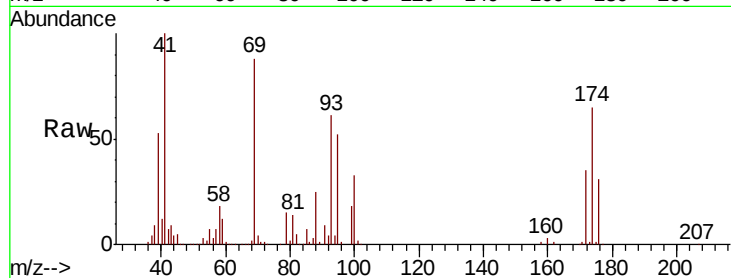
Tot Ion: 88 Resp: 89686

Ion Ratio Lower Upper

88 100

43 32.9 26.9 40.3

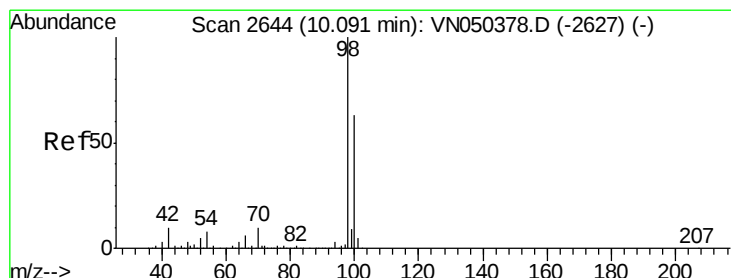
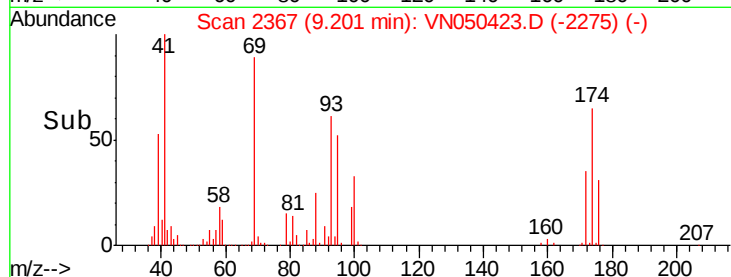
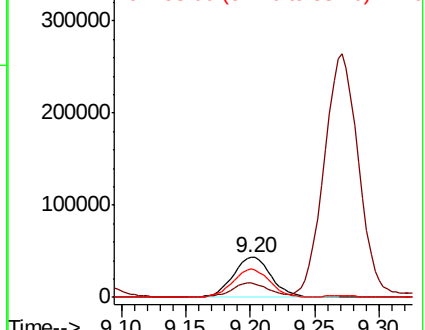
58 69.0 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.96 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050423.D

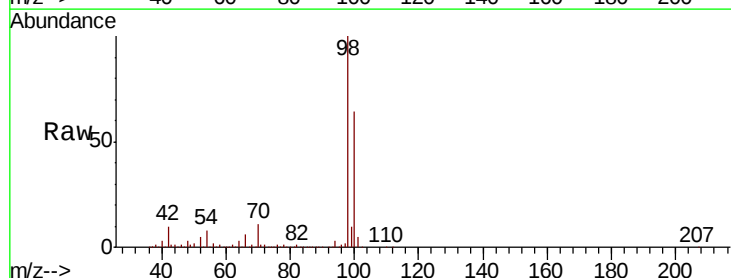
Acq: 7 Aug 2018 11:38

Tgt Ion: 98 Resp: 1527607

Ion Ratio Lower Upper

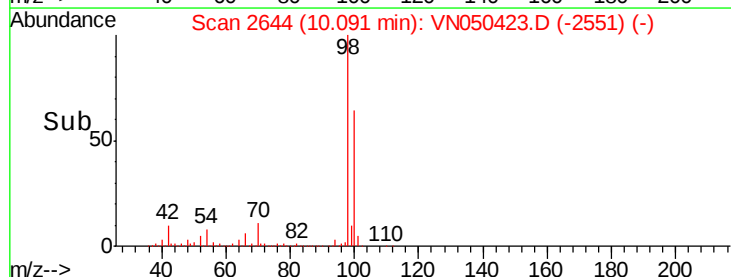
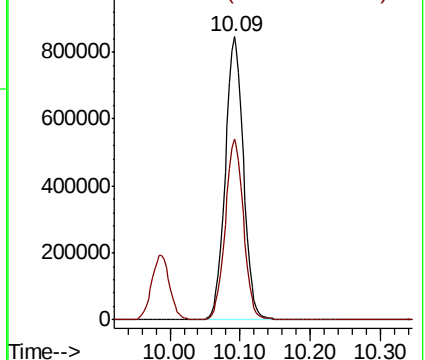
98 100

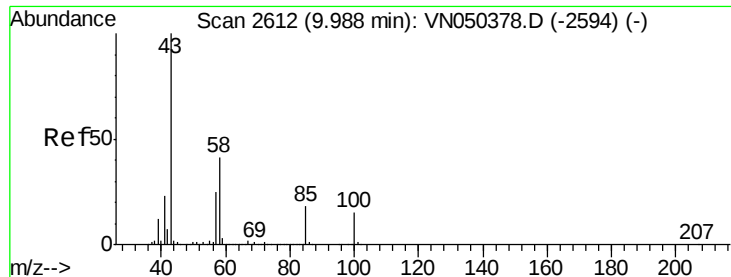
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 237.58 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

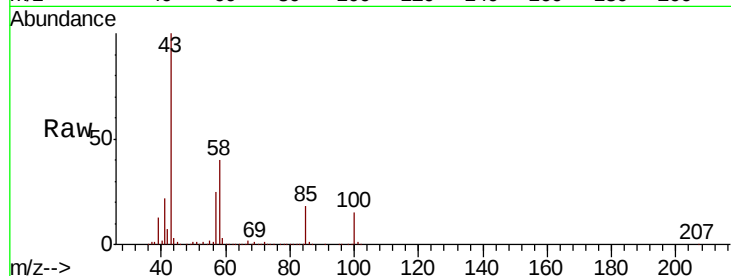
VSTDCCC050

Tot Ion: 43 Resp: 2277536

Ion Ratio Lower Upper

43 100

58 40.3 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2594) (-)

9.99

1500000

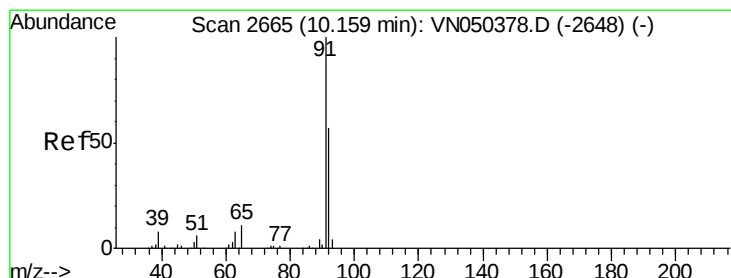
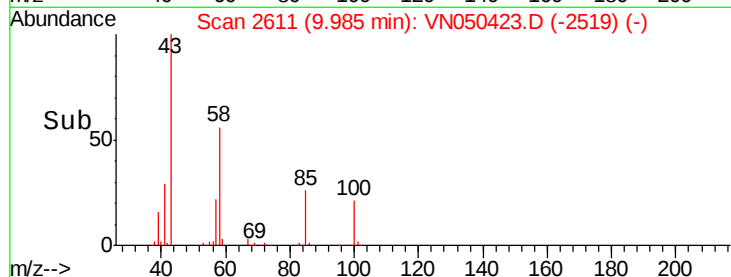
1000000

500000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 53.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050423.D

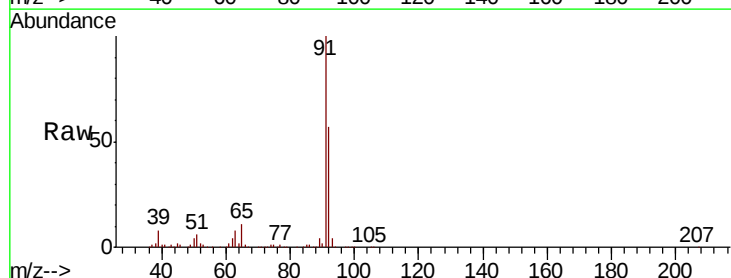
Acq: 7 Aug 2018 11:38

Tgt Ion: 92 Resp: 1064633

Ion Ratio Lower Upper

92 100

91 175.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050378.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN050378.D (-2648) (-)

1200000

1000000

800000

600000

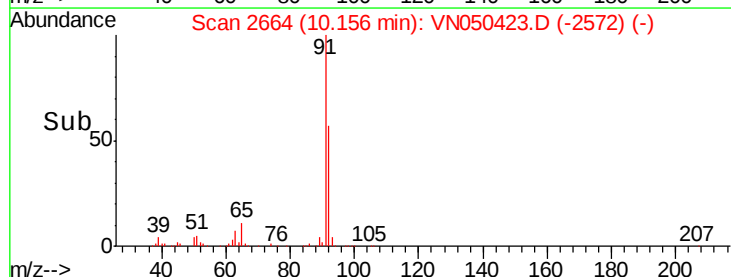
400000

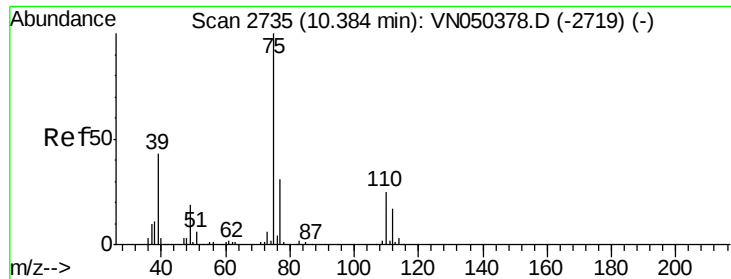
200000

0

Time-->

10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 52.17 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

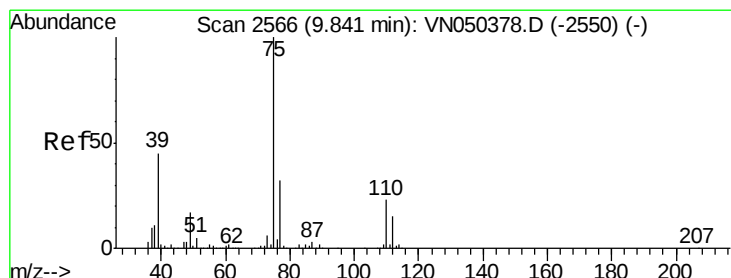
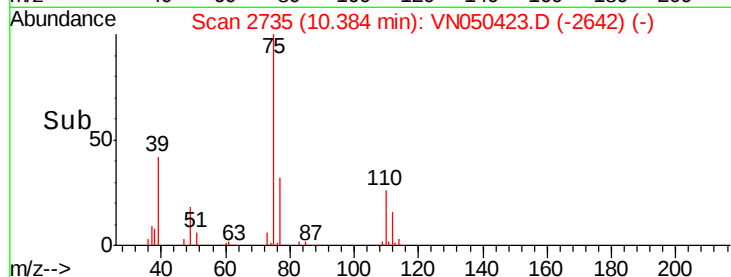
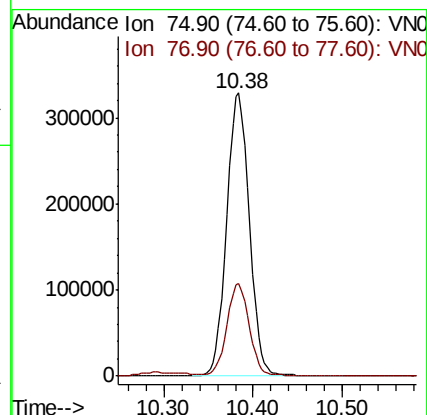
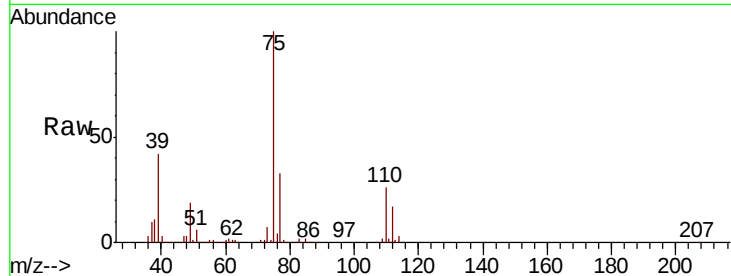
VSTDCCC050

Tot Ion: 75 Resp: 579832

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.07 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

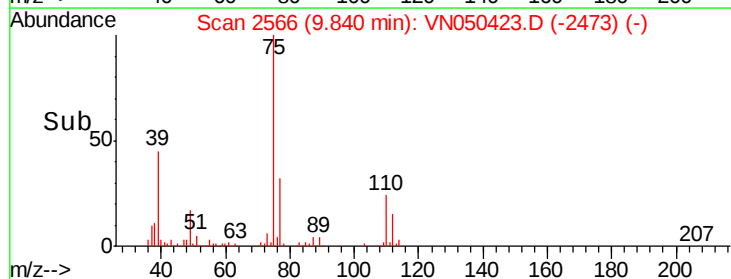
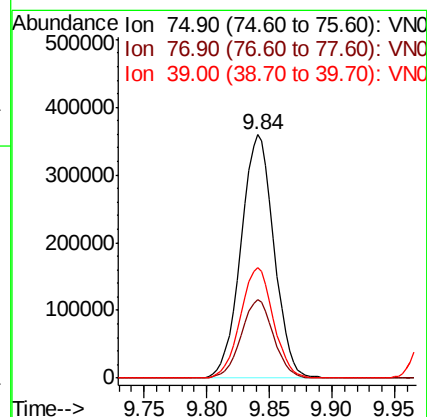
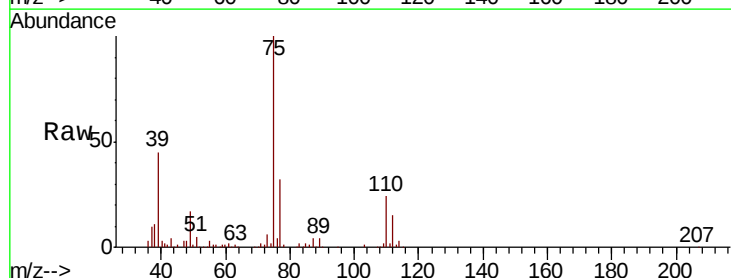
Tgt Ion: 75 Resp: 658235

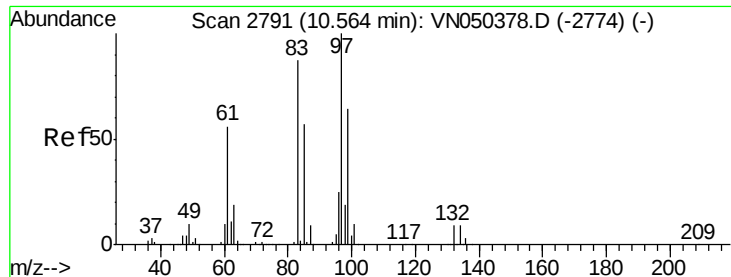
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 45.2 36.6 55.0

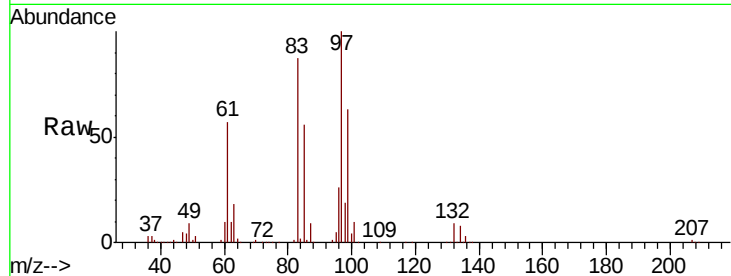




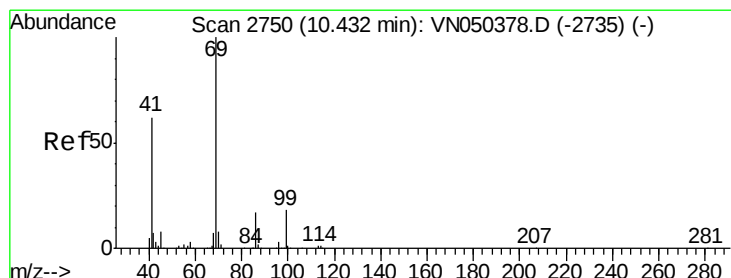
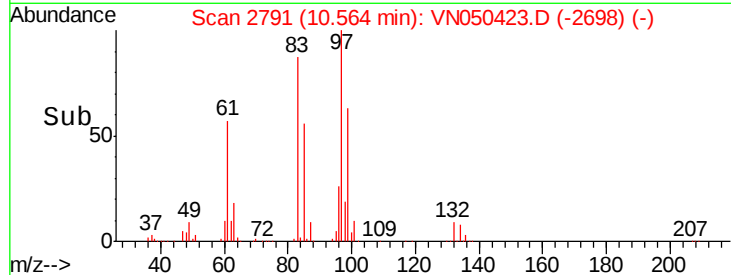
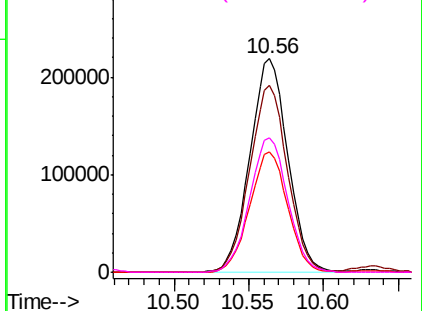
#55
 1,1,2-Trichloroethane
 Concen: 50.09 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	386709
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	56.5	44.0	66.0
99	63.1	49.9	74.9

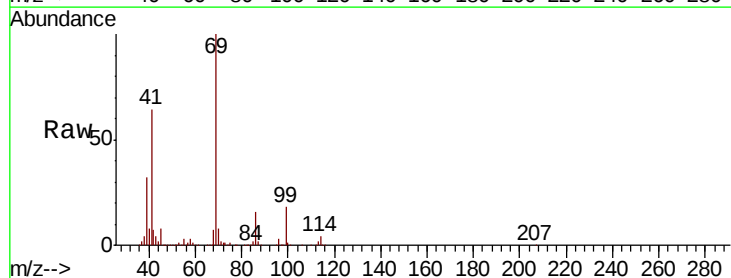


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

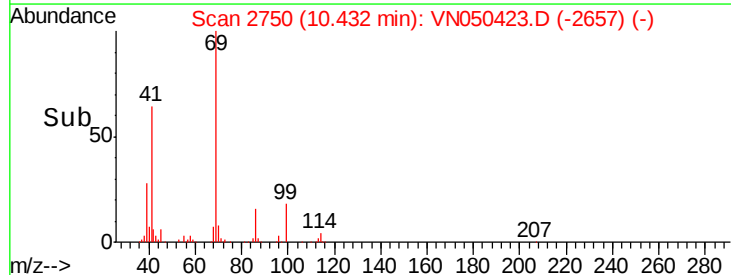
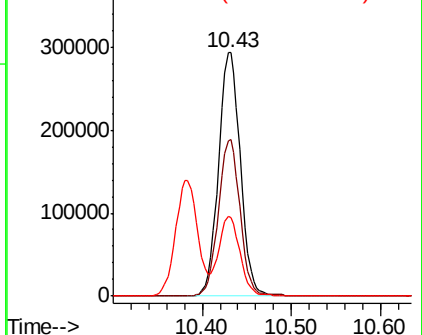


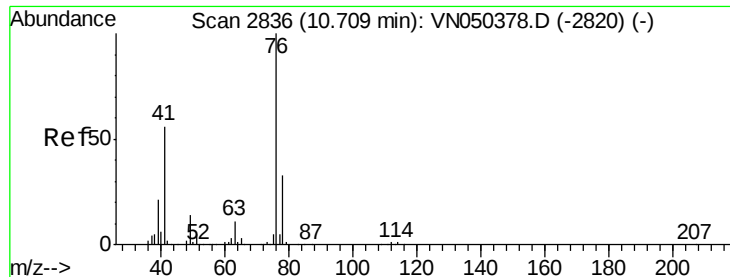
#56
 Ethyl methacrylate
 Concen: 45.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion:	69	Resp:	497574
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	31.5	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 51.01 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

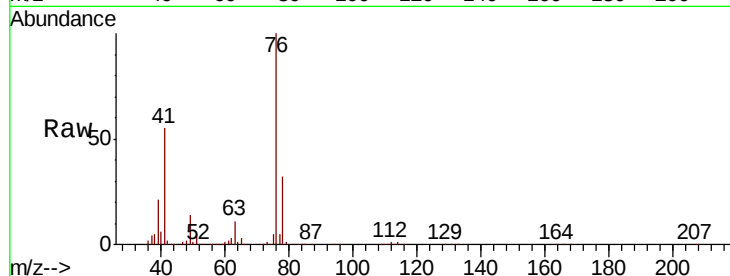
VSTDCCC050

Tot Ion: 76 Resp: 646327

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

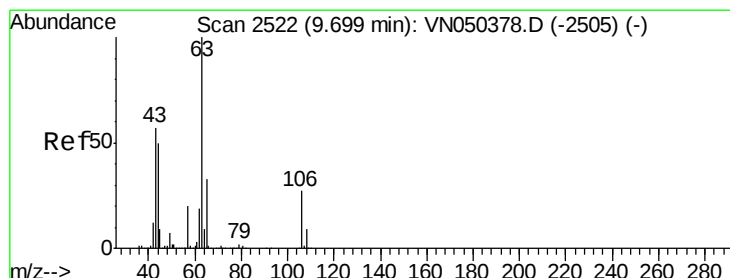
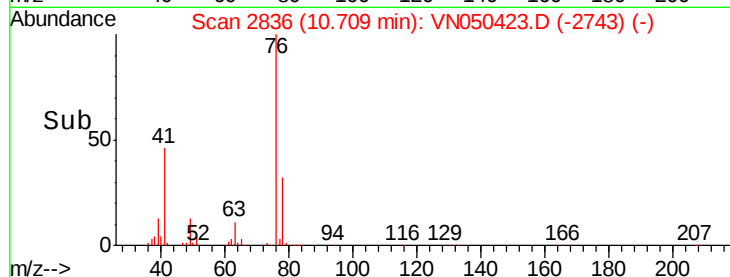
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 243.03 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050423.D

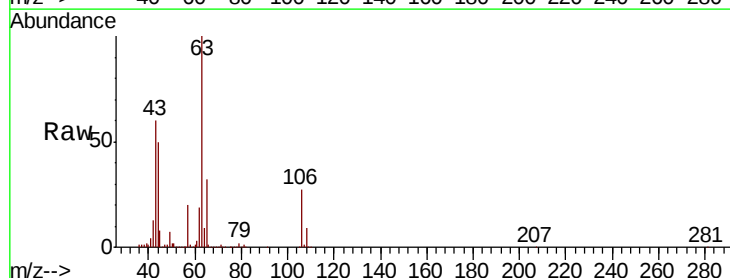
Acq: 7 Aug 2018 11:38

Tgt Ion: 63 Resp: 1236422

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

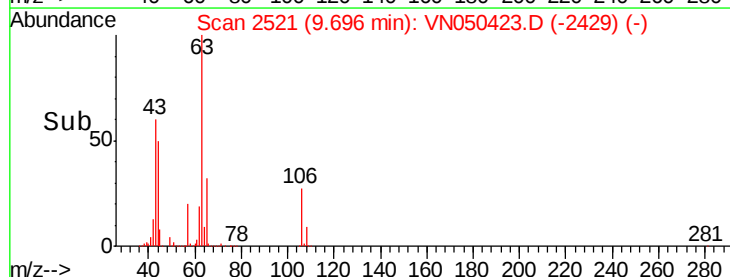
600000

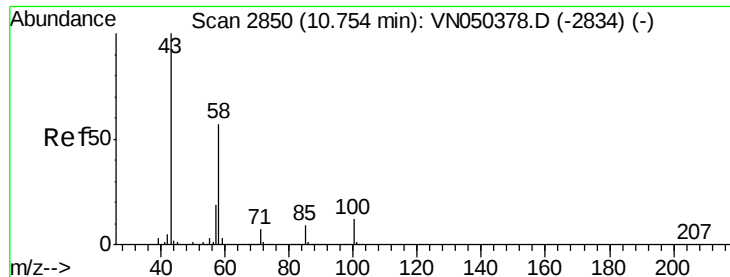
400000

200000

0

Time--> 9.60 9.70 9.80

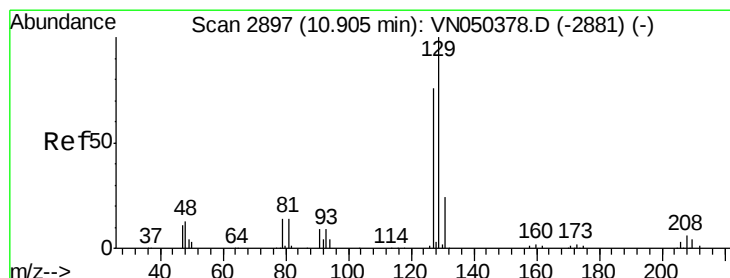
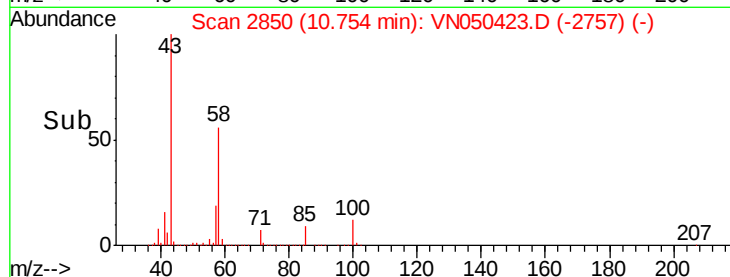
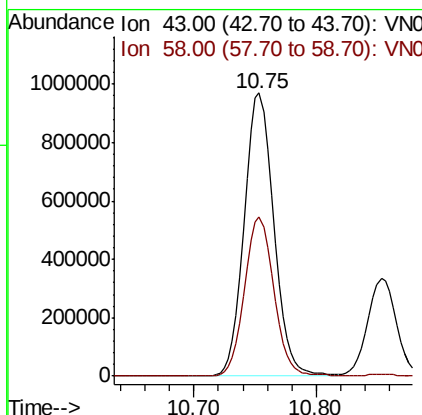
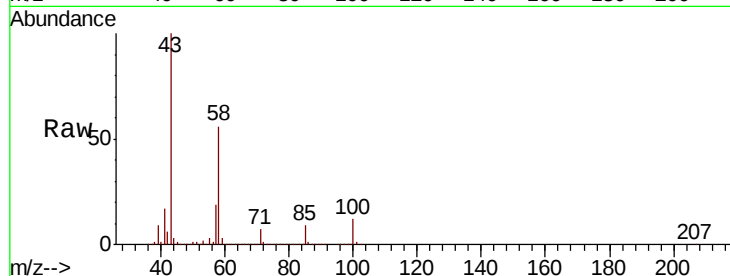




#59
2-Hexanone
Concen: 241.61 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

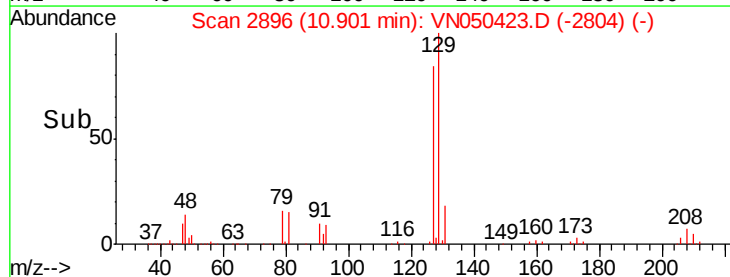
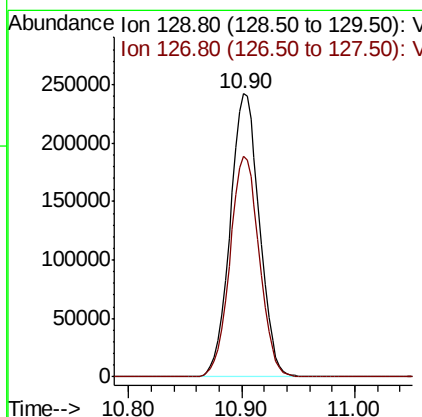
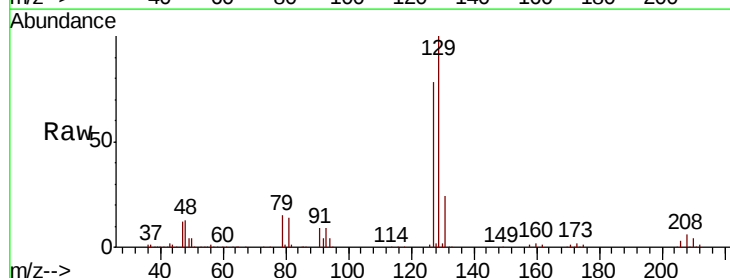
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

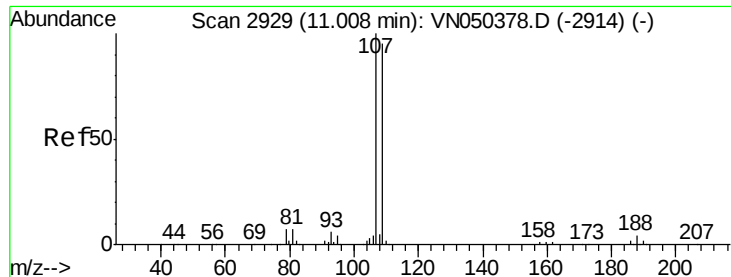
Tot Ion: 43 Resp: 1616432
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 51.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 129 Resp: 435008
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9

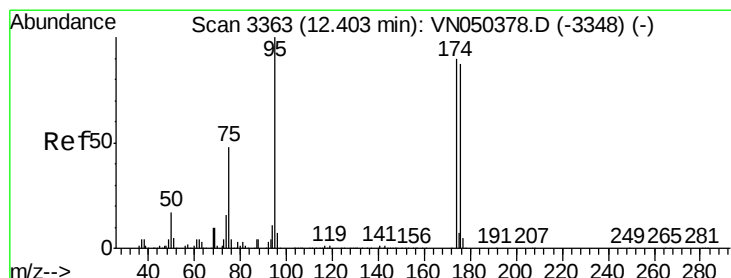
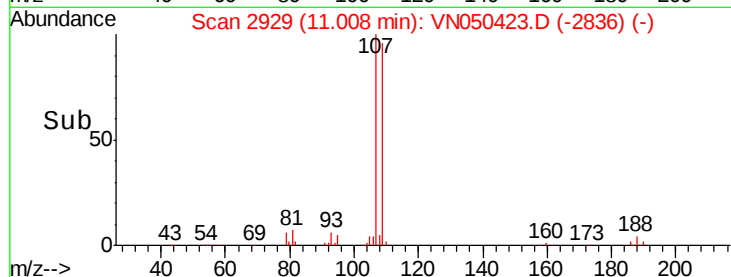
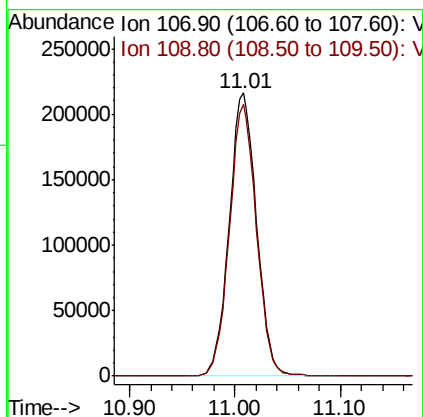
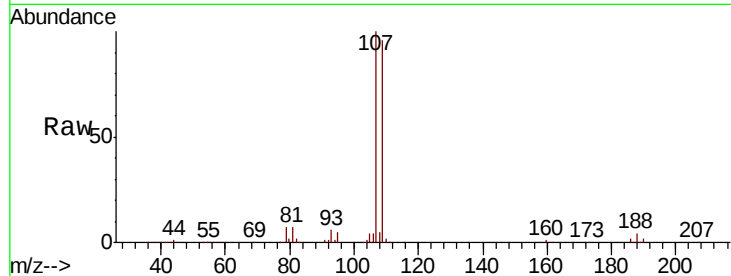




#61
 1,2-Dibromoethane
 Concen: 50.74 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

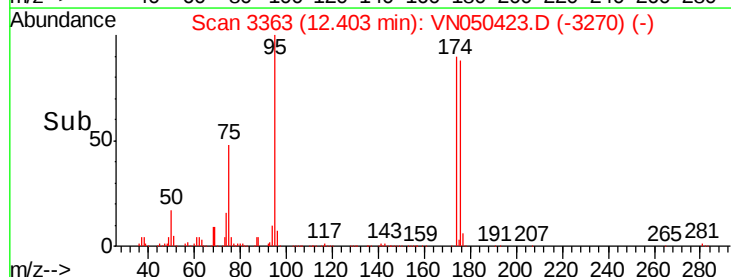
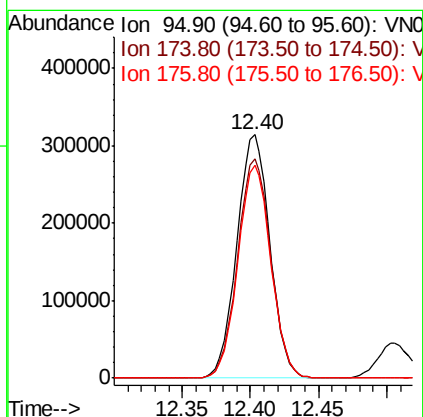
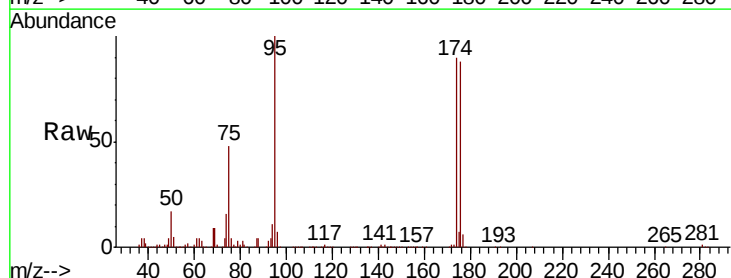
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

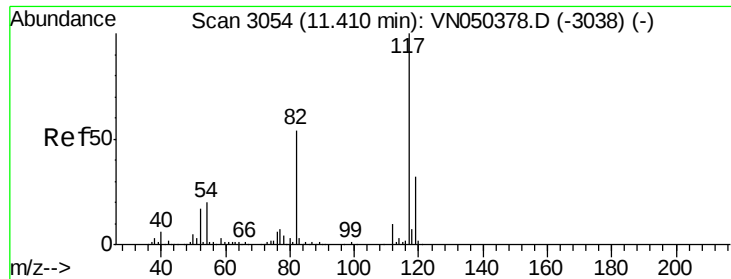
Tot Ion:107 Resp: 386091
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.75 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion: 95 Resp: 528532
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 178.2
 176 87.2 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

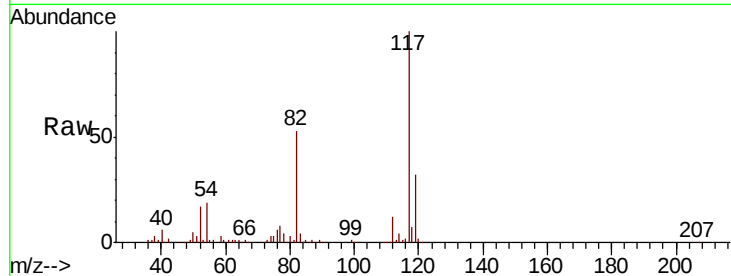
Tot Ion:117 Resp: 922726

Ion Ratio Lower Upper

117 100

82 53.2 43.7 65.5

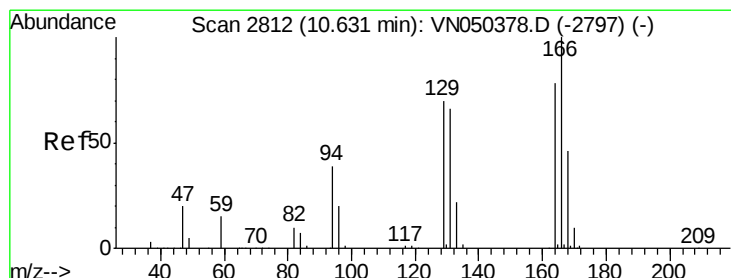
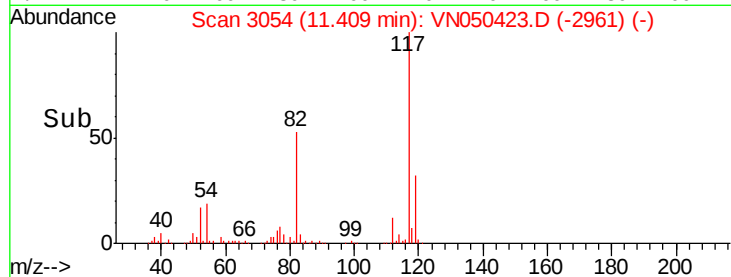
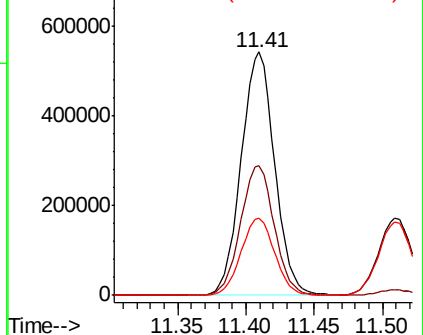
119 31.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.39 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:164 Resp: 451649

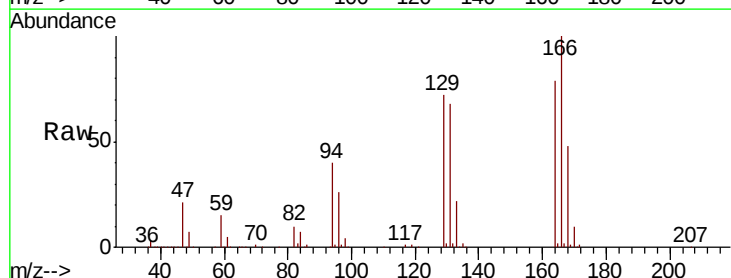
Ion Ratio Lower Upper

164 100

166 126.7 102.1 153.1

129 91.3 73.2 109.8

131 85.6 70.6 106.0

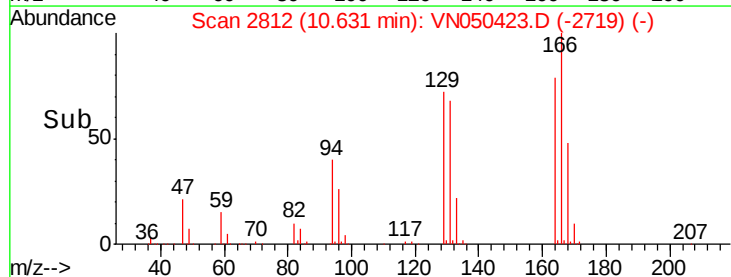
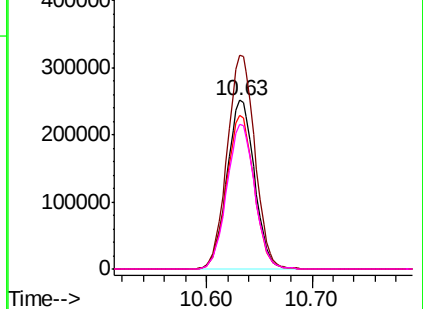


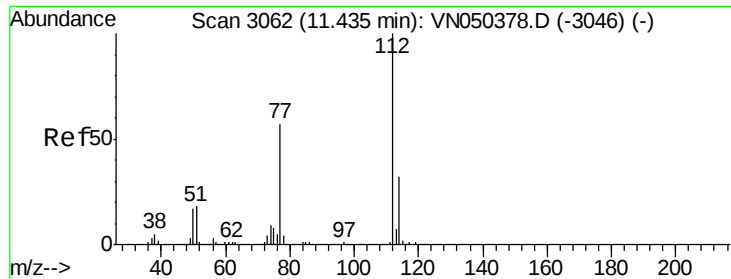
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

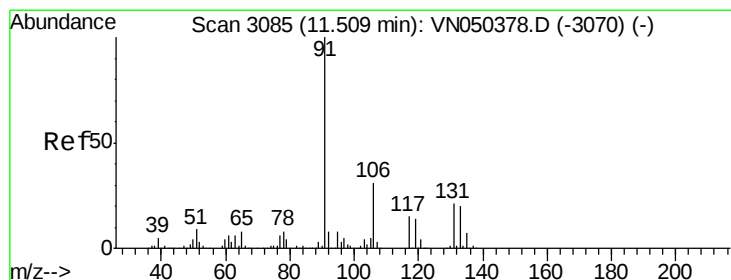
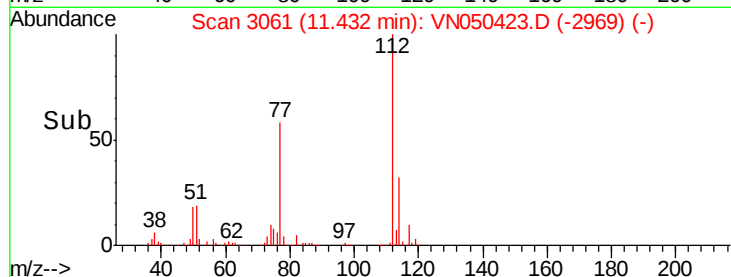
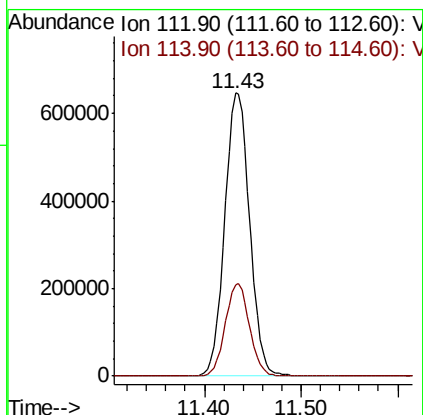
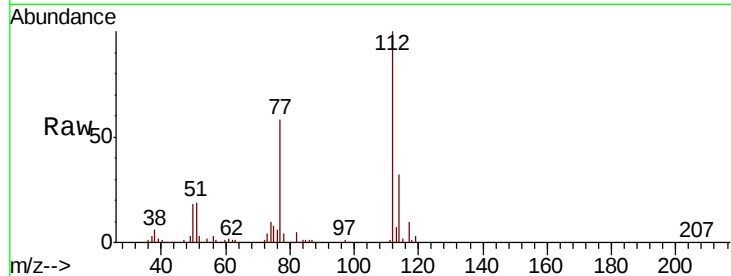




#65
Chlorobenzene
Concen: 49.83 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

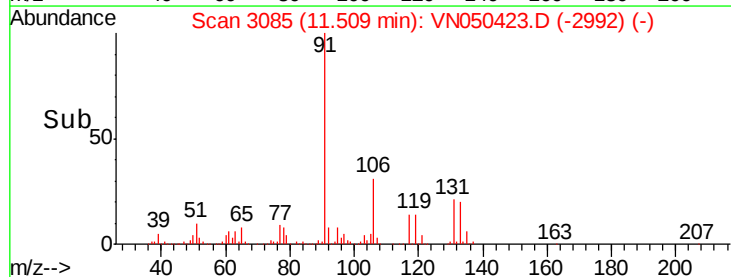
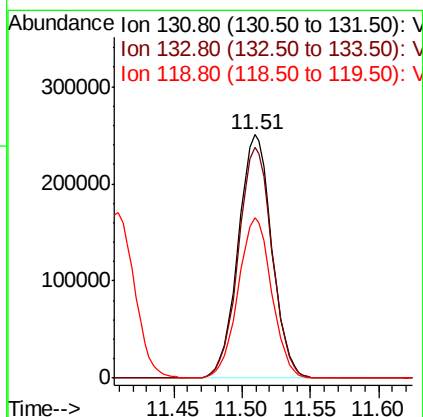
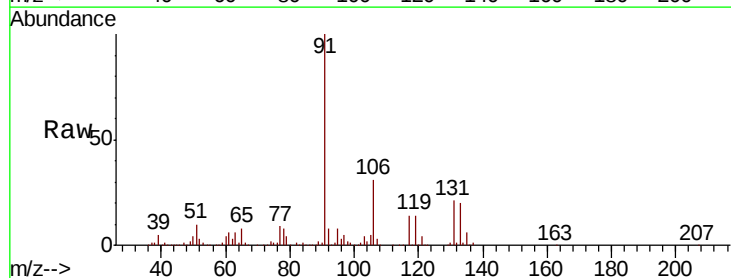
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

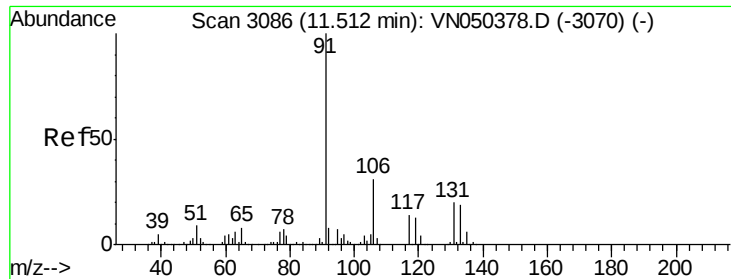
Tot Ion:112 Resp: 1152686
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.96 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion:131 Resp: 429028
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.7 32.9 98.7

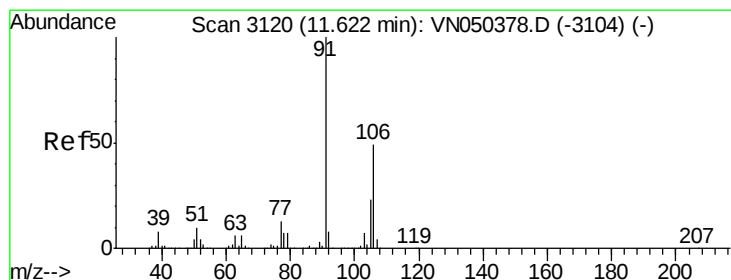
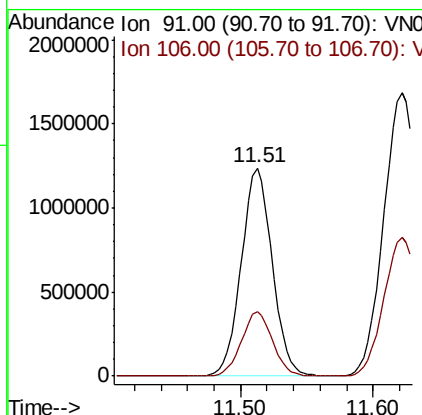
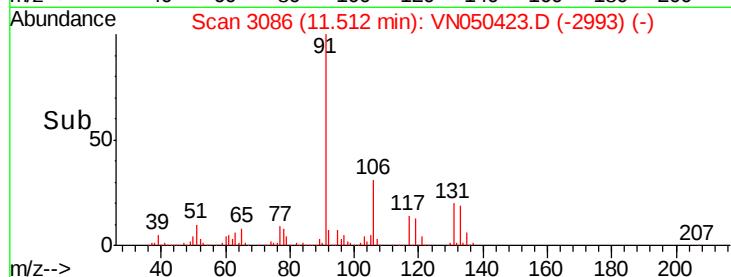
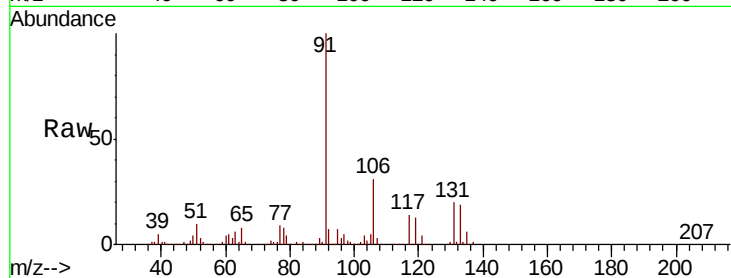




#67
Ethyl Benzene
Concen: 53.61 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

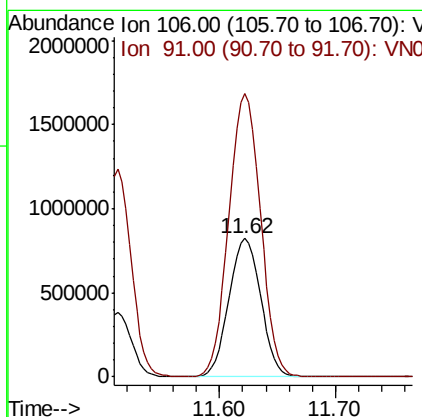
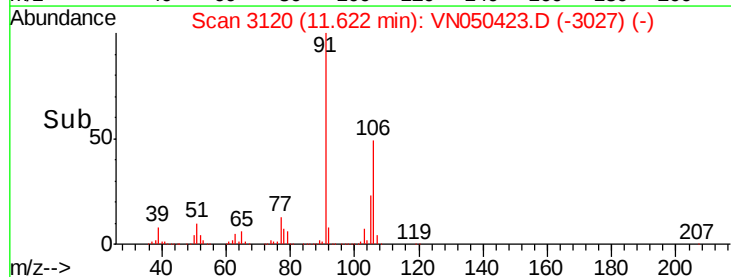
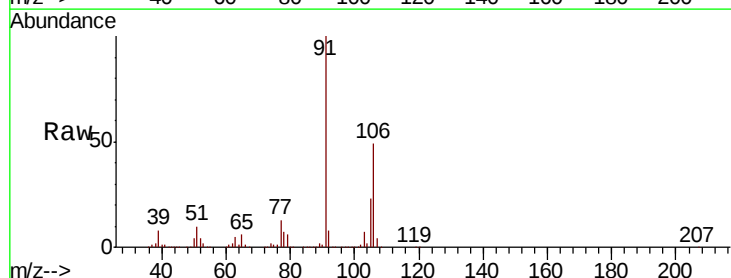
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

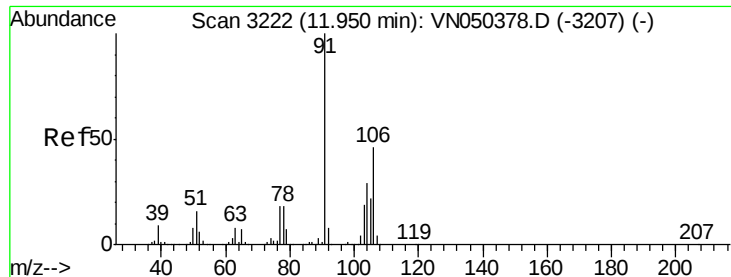
Tot Ion: 91 Resp: 2004748
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 109.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 106 Resp: 1564720
Ion Ratio Lower Upper
106 100
91 203.7 162.2 243.2

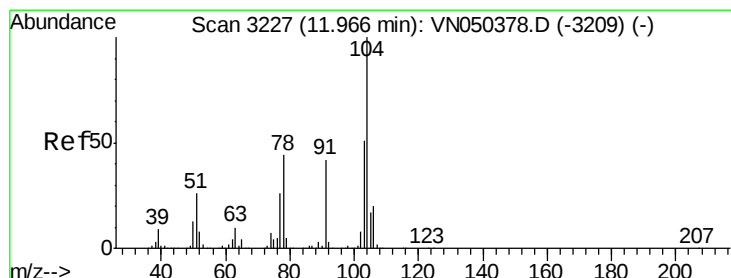
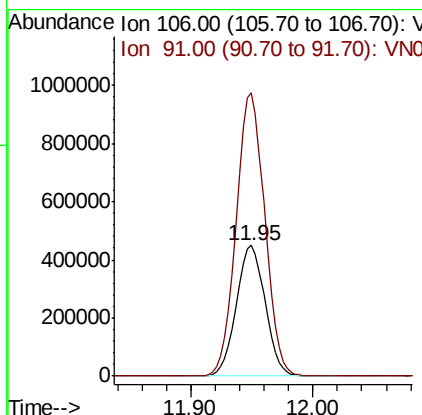
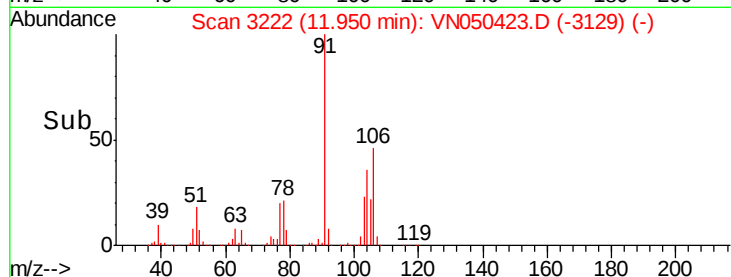
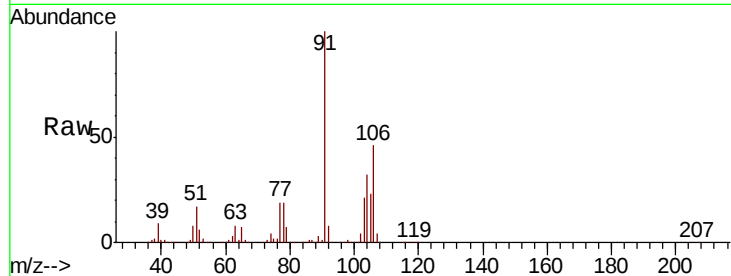




#69
o-Xylene
Concen: 53.47 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

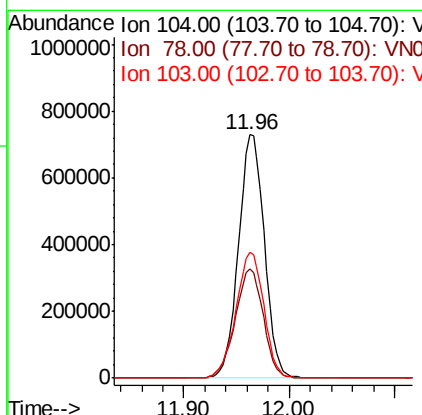
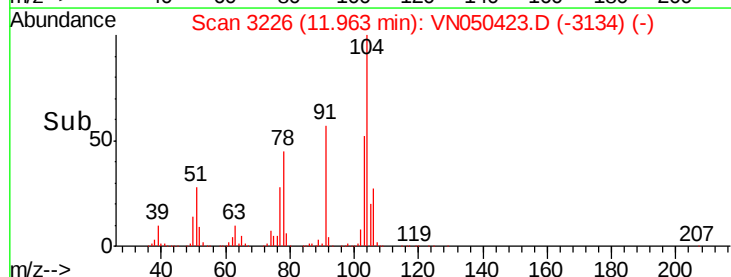
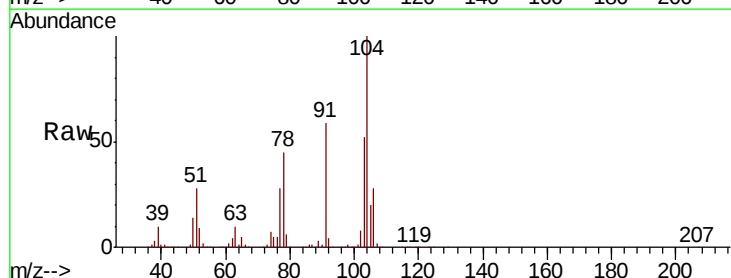
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

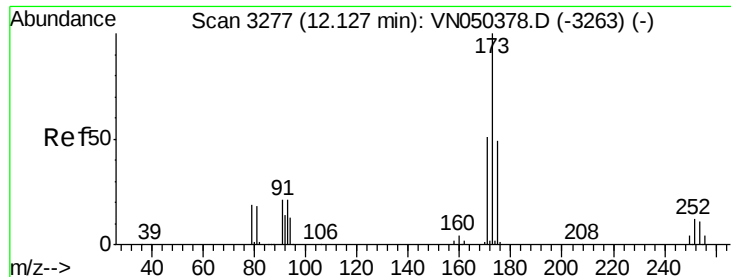
Tot Ion:106 Resp: 733166
Ion Ratio Lower Upper
106 100
91 215.7 107.7 323.1



#70
Styrene
Concen: 55.66 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion:104 Resp: 1241134
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.8 45.0 67.6

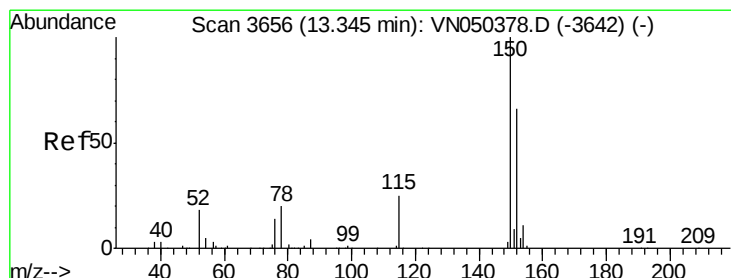
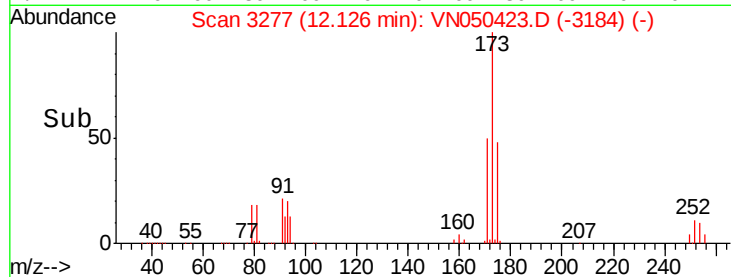
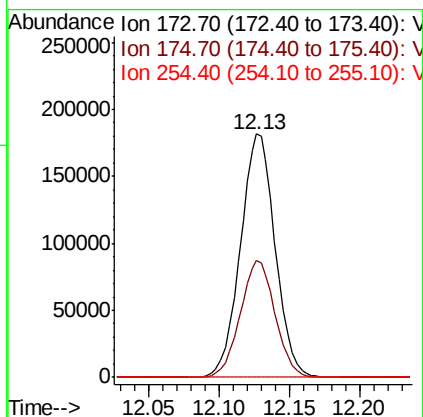
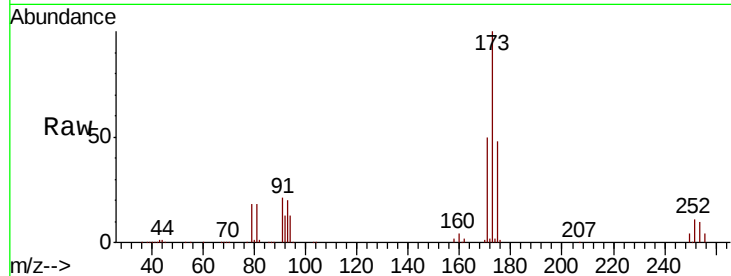




#71
Bromoform
Concen: 50.70 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

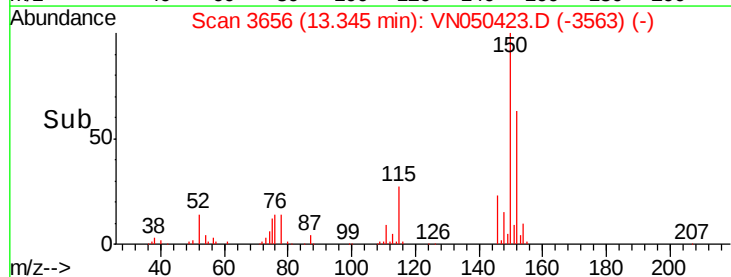
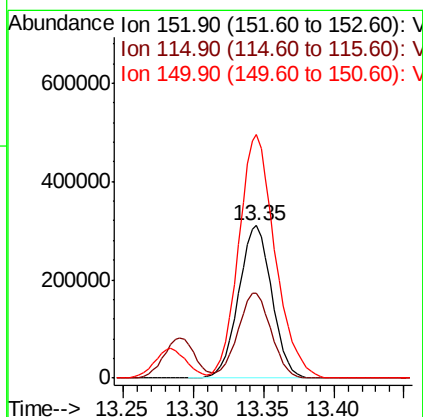
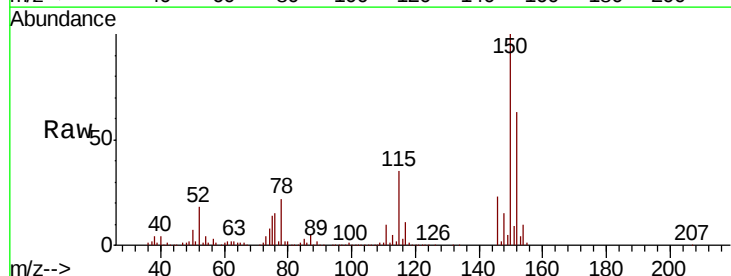
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MSVOA_N
ClientSampleId :
VSTDCCC050

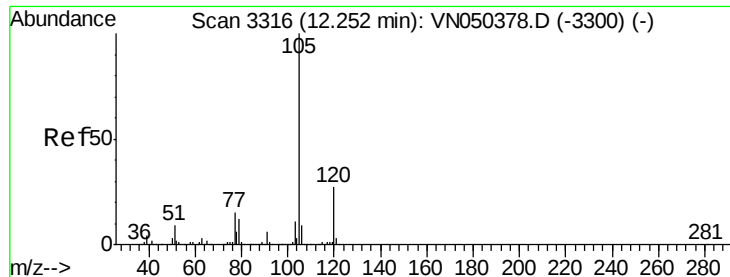
Tot Ion:173 Resp: 311952
Ion Ratio Lower Upper
173 100
175 48.0 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion:152 Resp: 510490
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.3
150 175.1 0.0 348.6





#73

Isopropylbenzene

Concen: 51.74 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

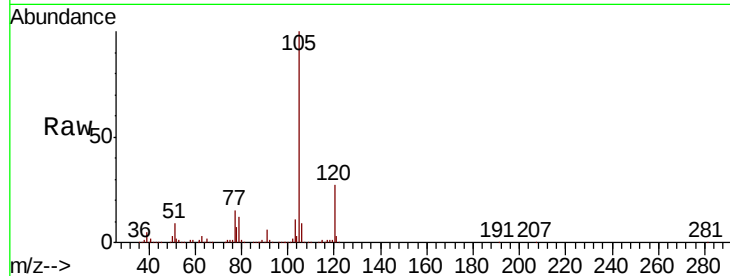
VSTDCCC050

Tot Ion:105 Resp: 1982817

Ion Ratio Lower Upper

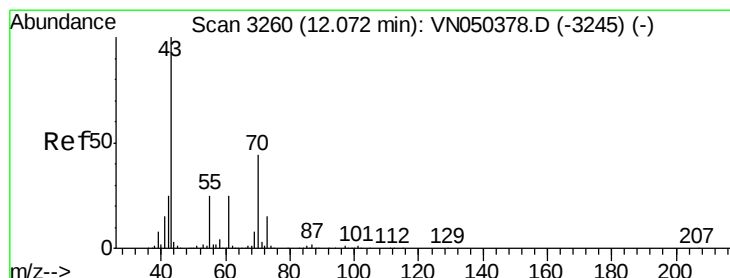
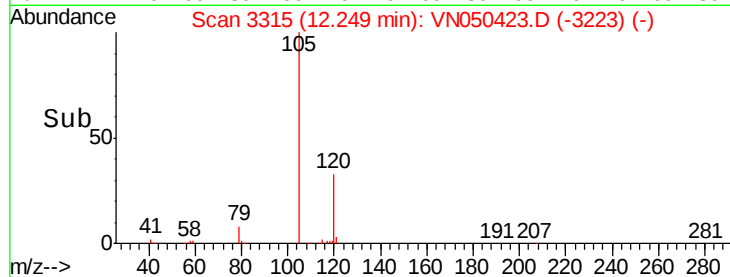
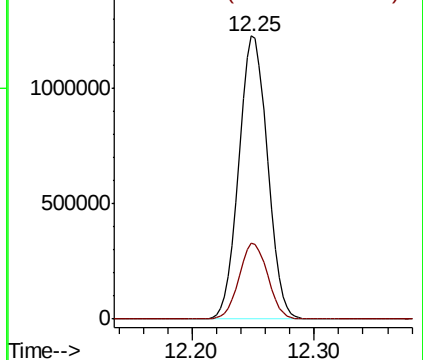
105 100

120 26.8 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: 46.10 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion: 43 Resp: 572591

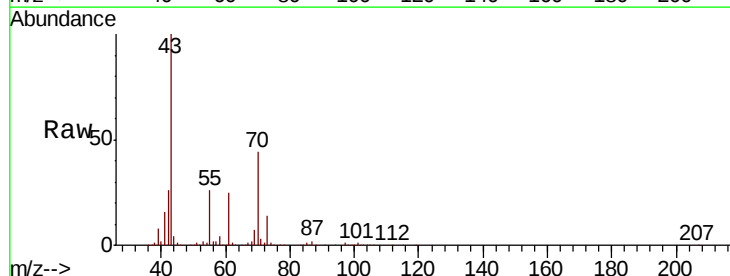
Ion Ratio Lower Upper

43 100

70 44.1 34.4 51.6

55 26.4 20.8 31.2

61 24.7 19.7 29.5

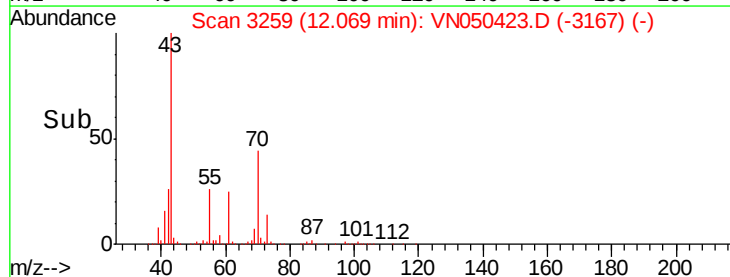
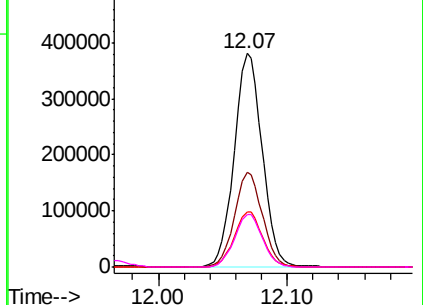


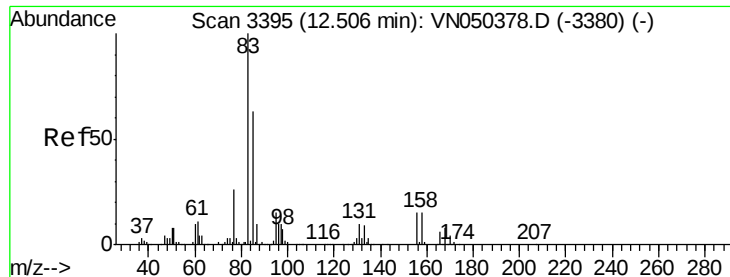
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 44.66 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

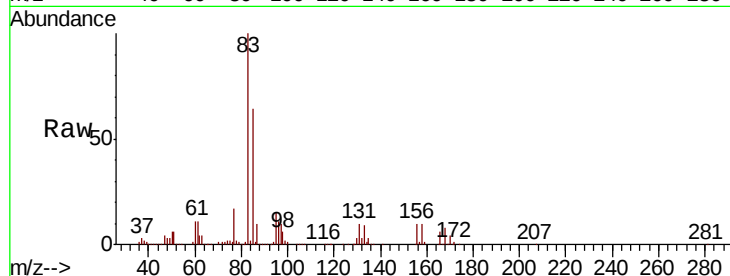
Tot Ion: 83 Resp: 493781

Ion Ratio Lower Upper

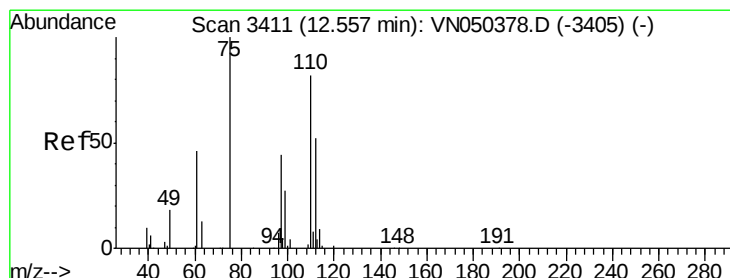
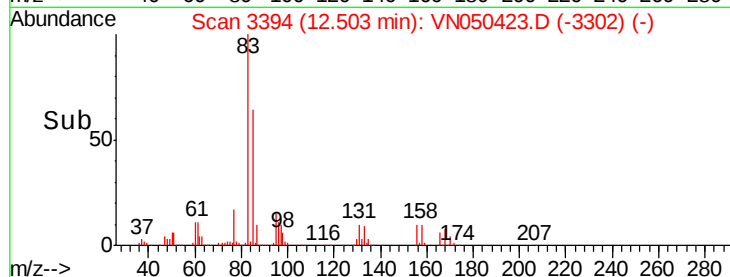
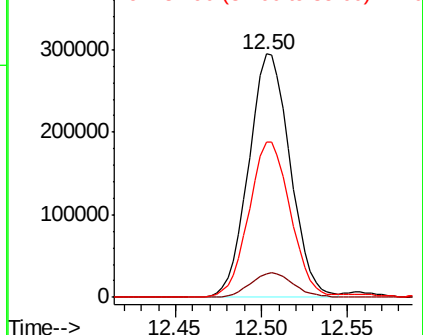
83 100

131 10.4 5.1 15.3

85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 65.76 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050423.D

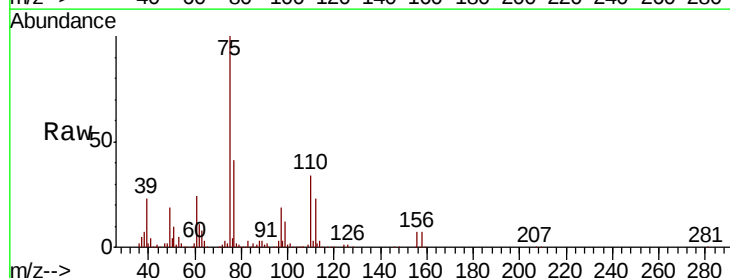
Acq: 7 Aug 2018 11:38

Tgt Ion: 75 Resp: 607636

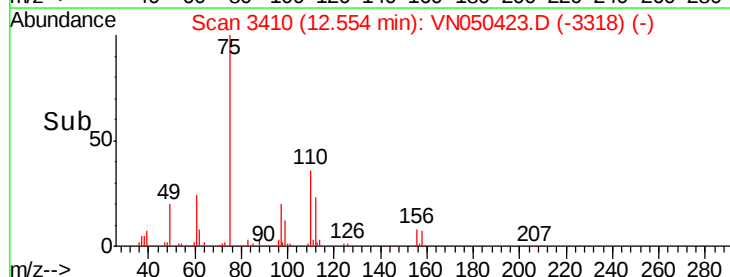
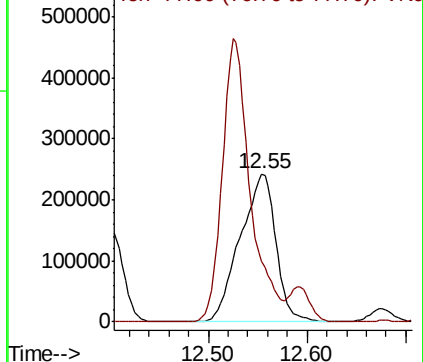
Ion Ratio Lower Upper

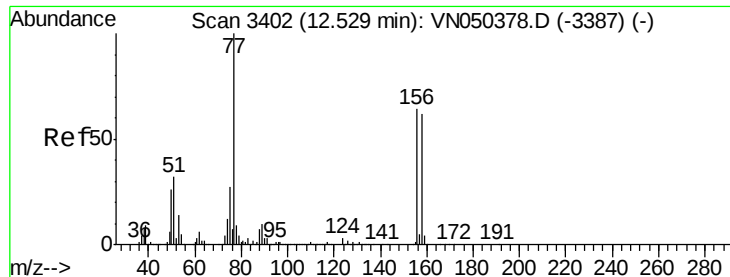
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.62 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

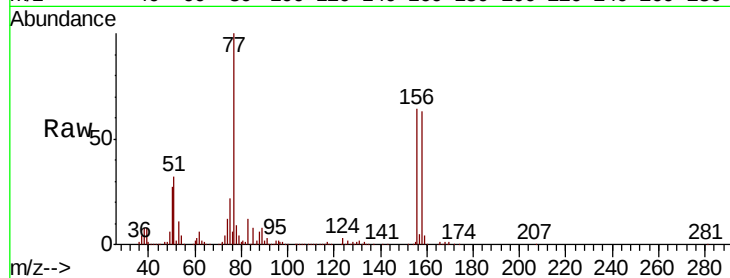
Tot Ion:156 Resp: 509406

Ion Ratio Lower Upper

156 100

77 180.9 91.7 275.1

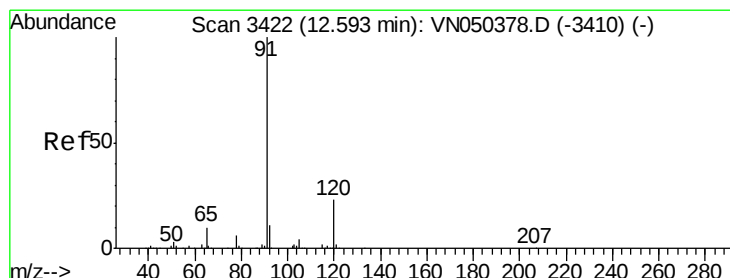
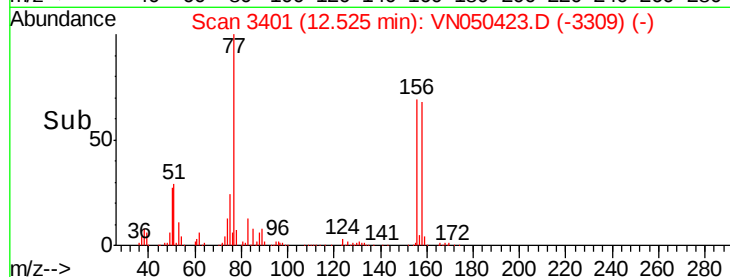
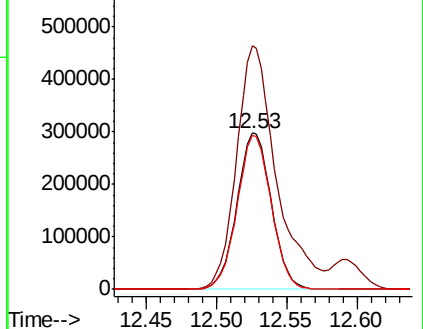
158 97.5 48.9 146.6



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: 54.21 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050423.D

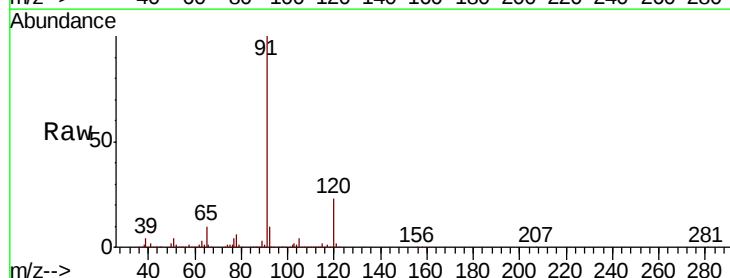
Acq: 7 Aug 2018 11:38

Tgt Ion: 91 Resp: 2351464

Ion Ratio Lower Upper

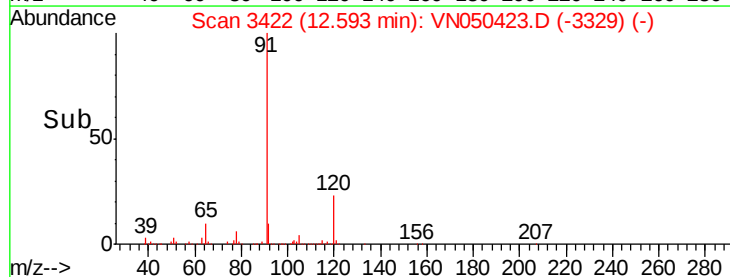
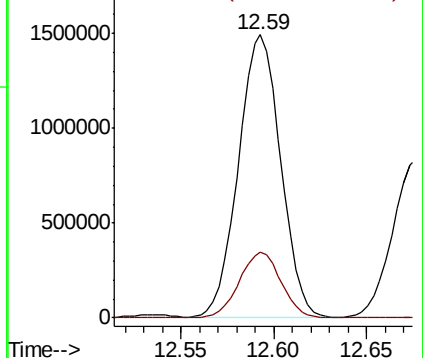
91 100

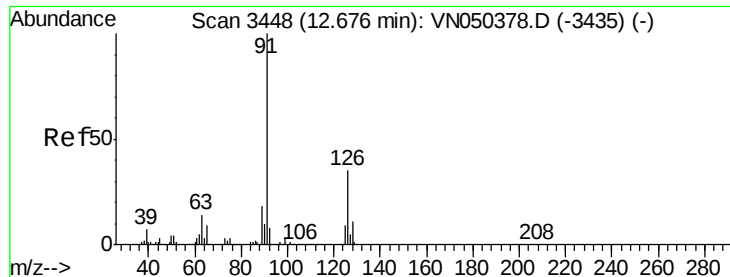
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.70 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

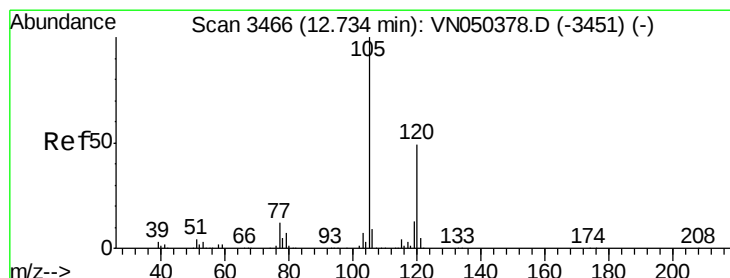
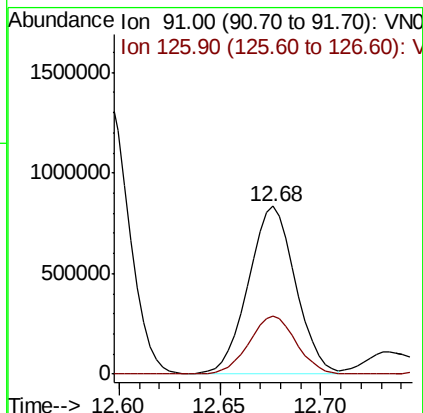
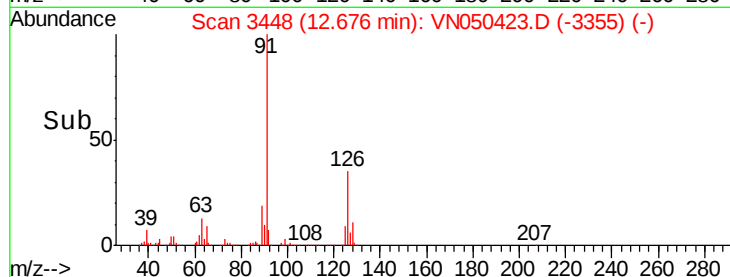
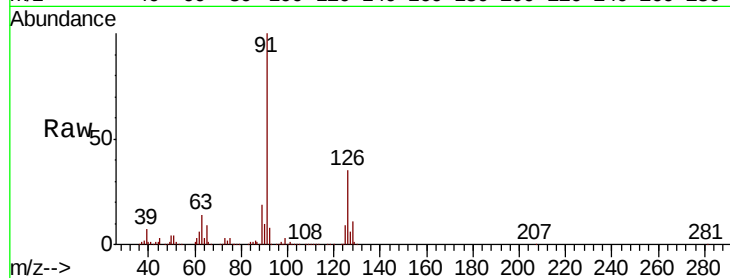
VSTDCCC050

Tot Ion: 91 Resp: 1358190

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 53.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050423.D

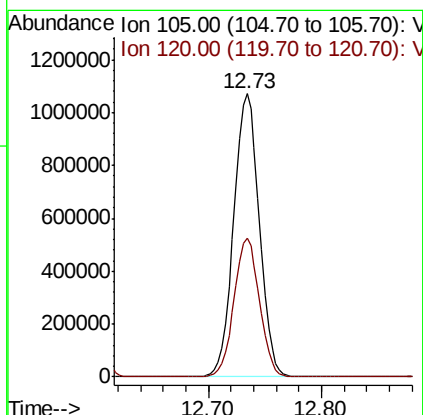
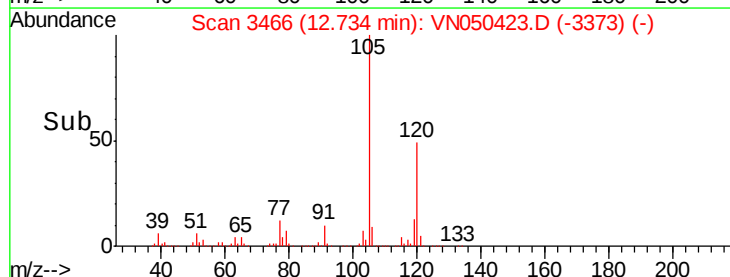
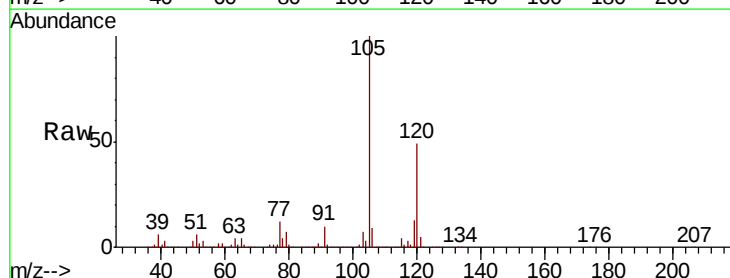
Acq: 7 Aug 2018 11:38

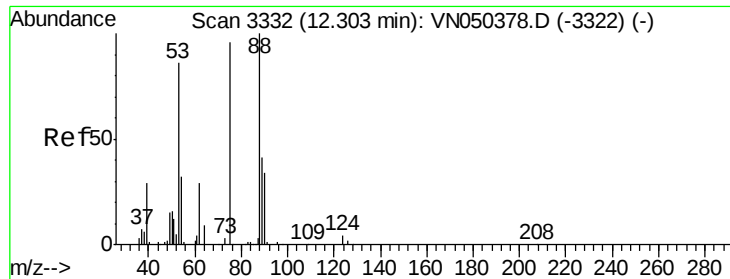
Tgt Ion:105 Resp: 1679386

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2

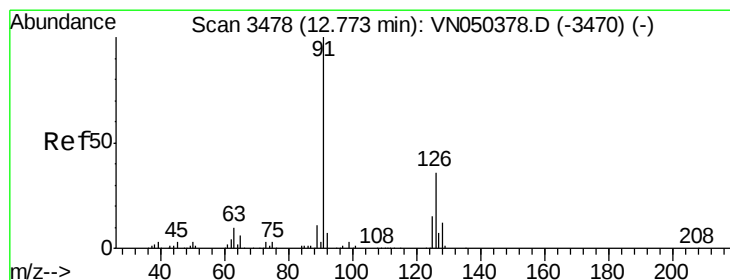
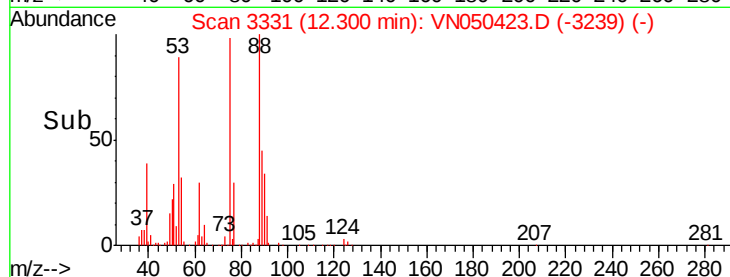
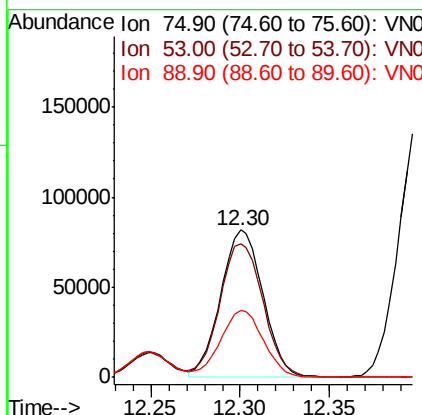
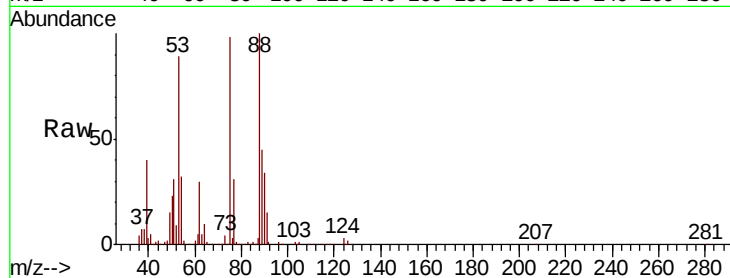




#81
trans-1,4-Dichloro-2-butene
Concen: 50.81 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

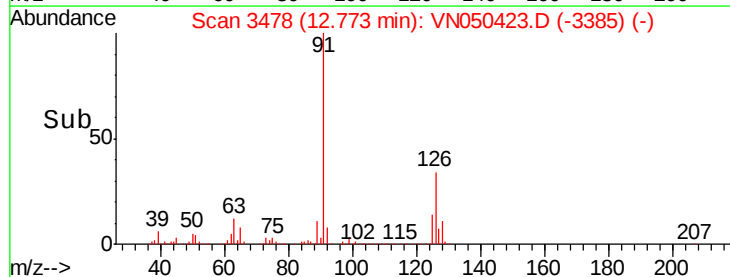
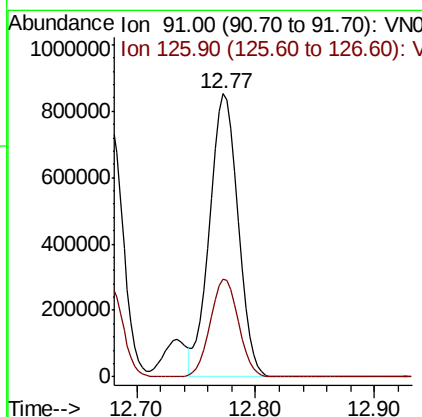
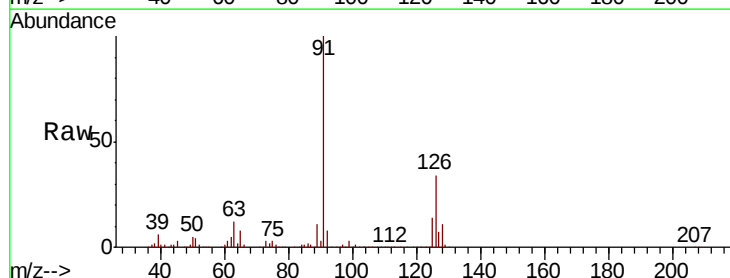
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

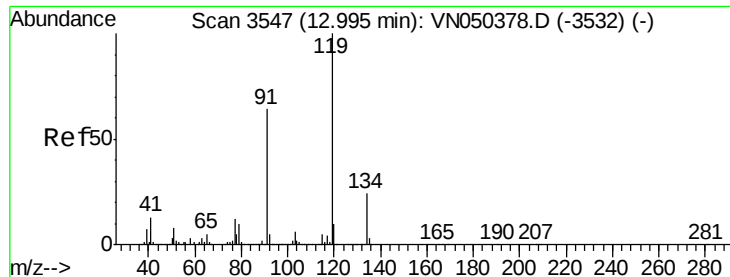
Tot Ion: 75 Resp: 133628
Ion Ratio Lower Upper
75 100
53 94.8 73.5 110.3
89 46.6 36.0 54.0



#82
4-Chlorotoluene
Concen: 52.86 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 91 Resp: 1412286
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0





#83

tert-Butylbenzene

Concen: 52.03 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

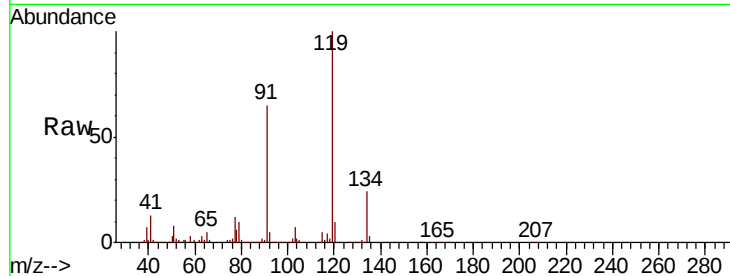
Tot Ion:119 Resp: 1411821

Ion Ratio Lower Upper

119 100

91 64.0 32.1 96.3

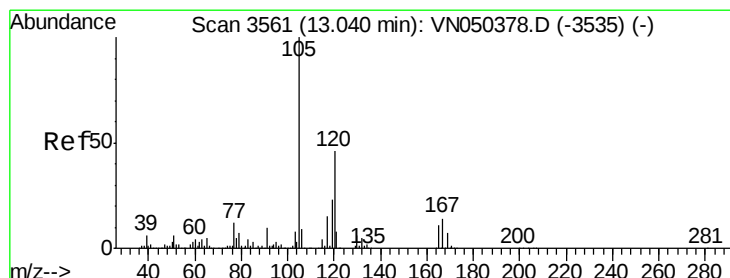
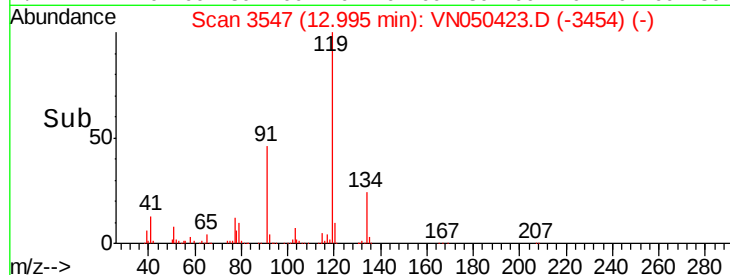
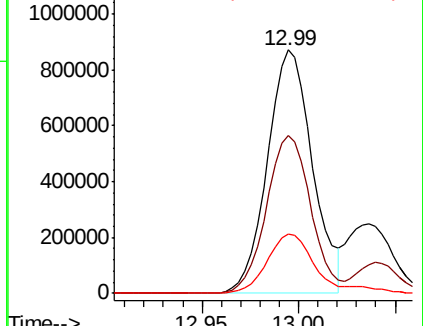
134 26.6 13.2 39.5



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: 54.51 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050423.D

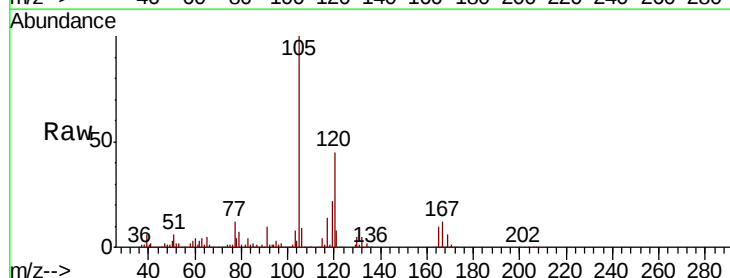
Acq: 7 Aug 2018 11:38

Tgt Ion:105 Resp: 1717653

Ion Ratio Lower Upper

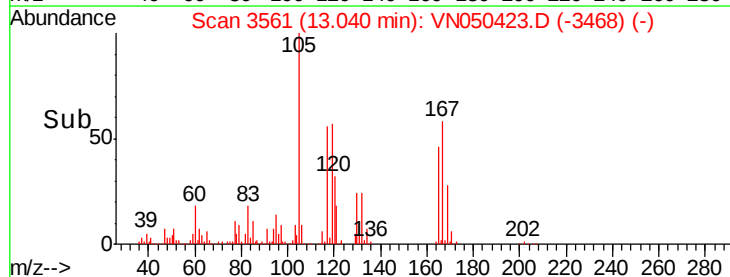
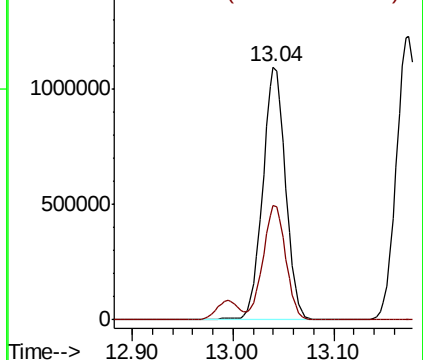
105 100

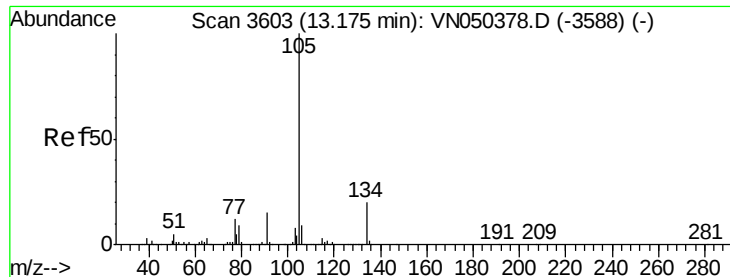
120 45.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.30 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

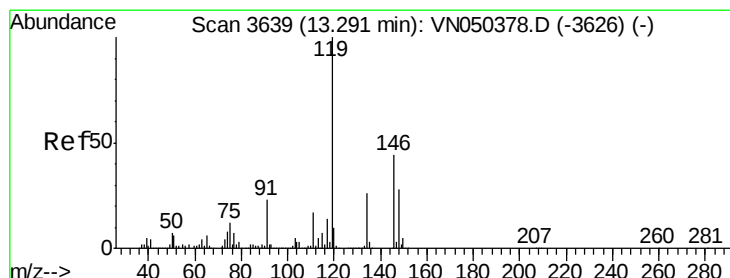
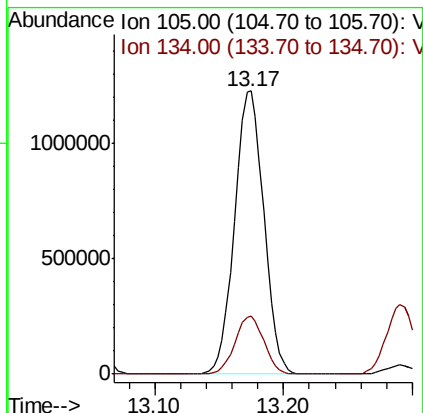
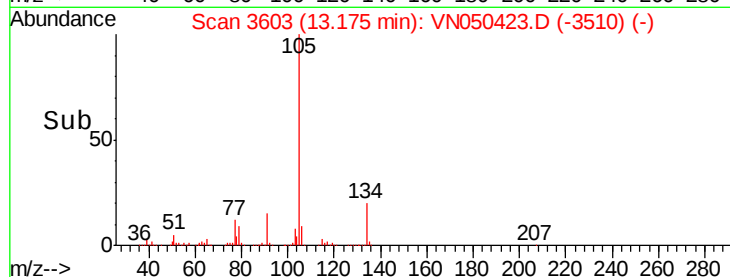
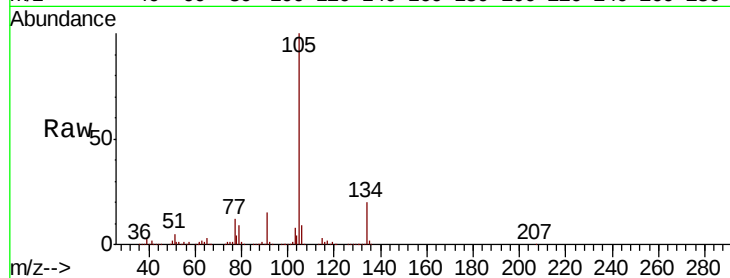
VSTDCCC050

Tot Ion:105 Resp: 1927695

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 55.22 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

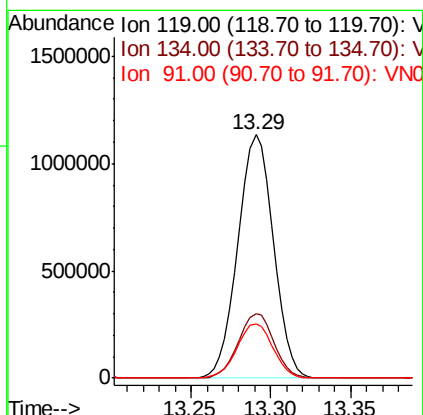
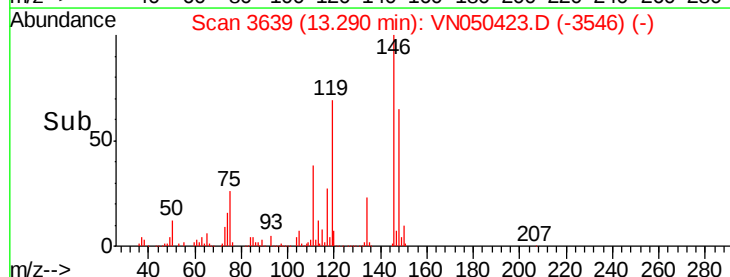
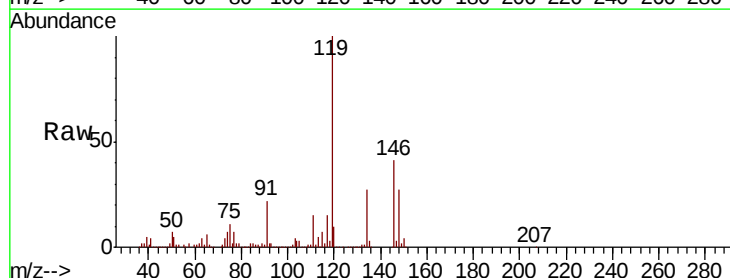
Tgt Ion:119 Resp: 1711526

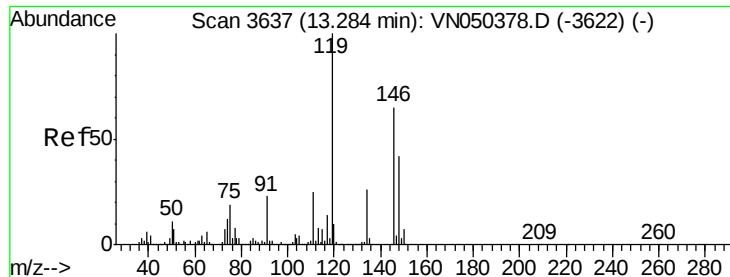
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.56 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

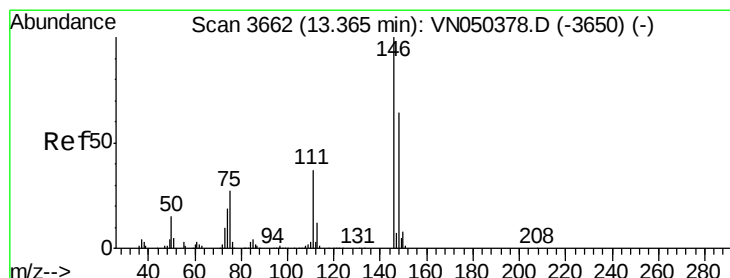
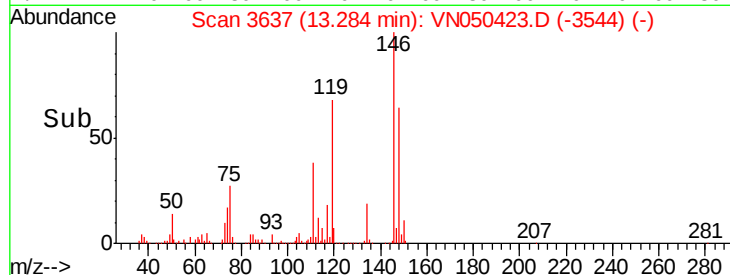
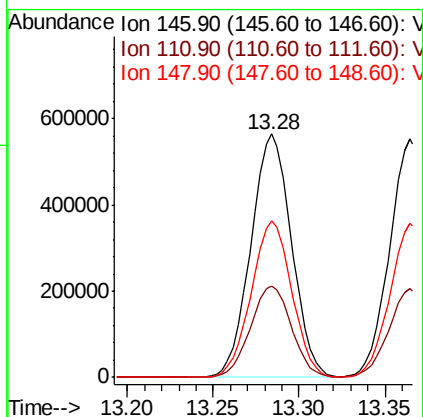
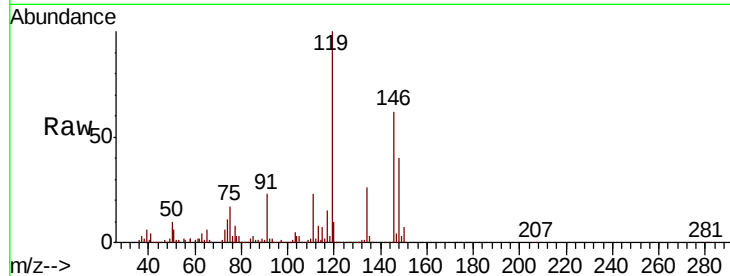
Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 924490

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.4
148	64.0	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 49.47 ug/l

RT: 13.36 min Scan# 3662

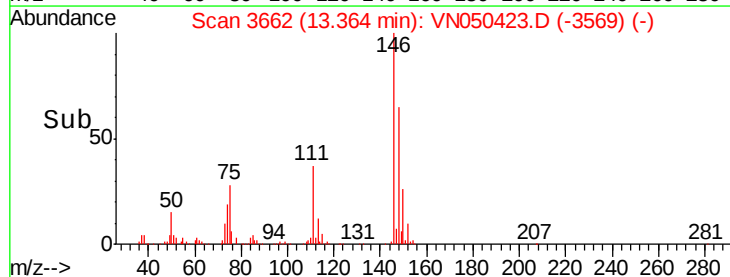
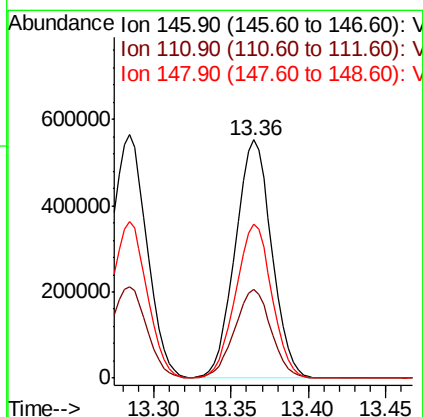
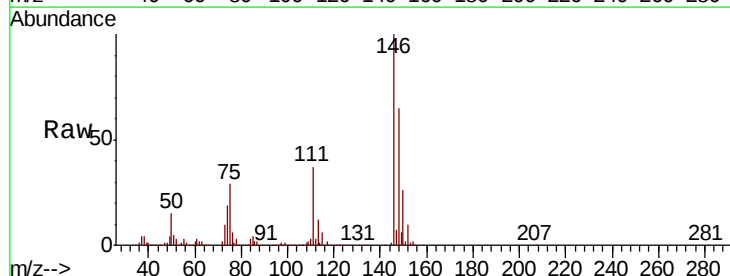
Delta R.T. -0.00 min

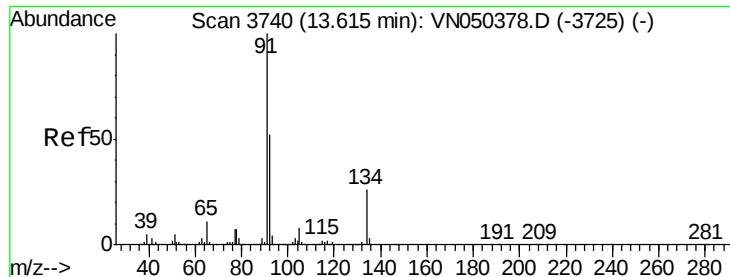
Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:146 Resp: 903227

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 53.96 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

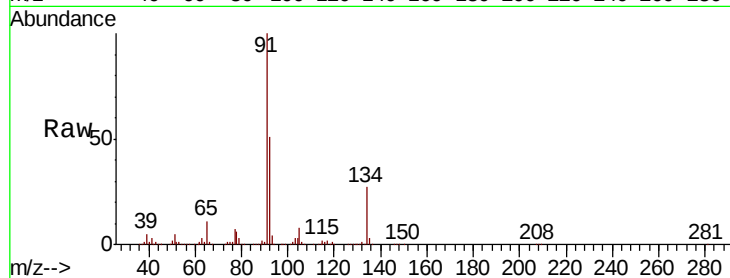
Tot Ion: 91 Resp: 1423867

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.4
134	26.5	12.8	38.4

91 100

92 51.9 25.8 77.4

134 26.5 12.8 38.4

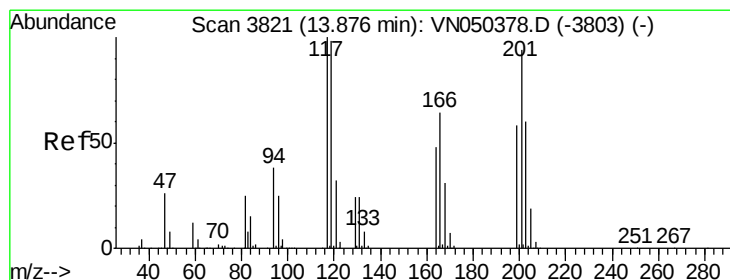
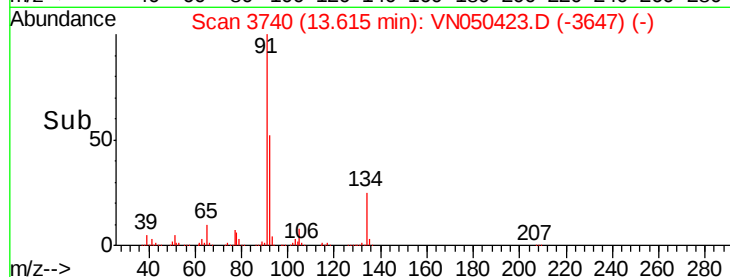
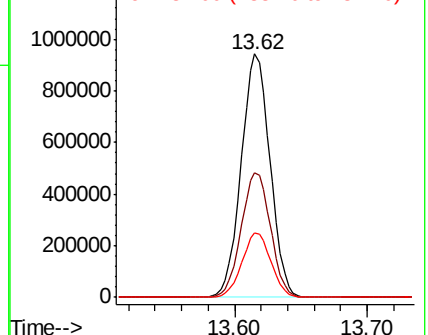


Abundance

Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)



#90

Hexachloroethane

Concen: 49.96 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050423.D

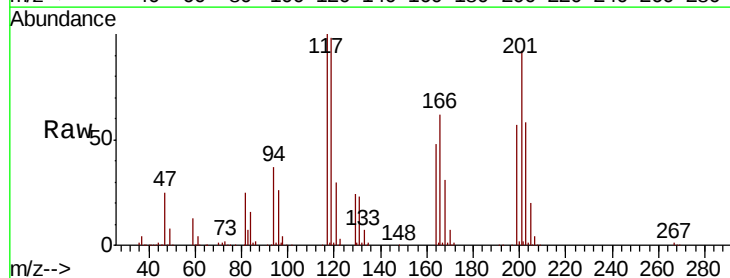
Acq: 7 Aug 2018 11:38

Tgt Ion: 117 Resp: 275382

Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.6	136.8

117 100

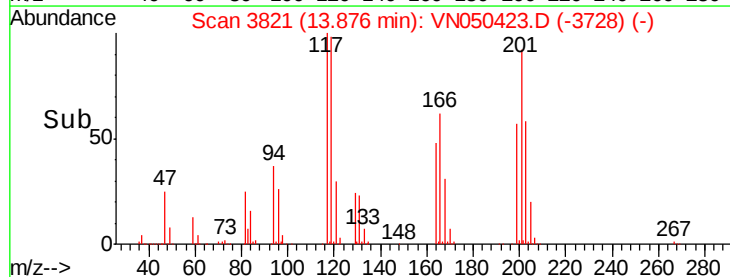
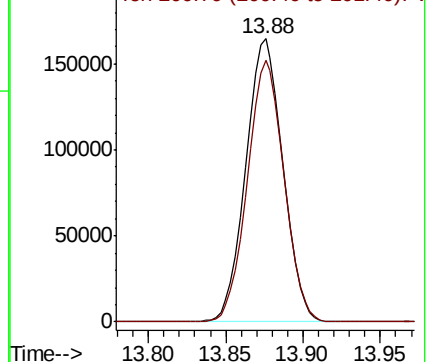
201 91.1 45.6 136.8

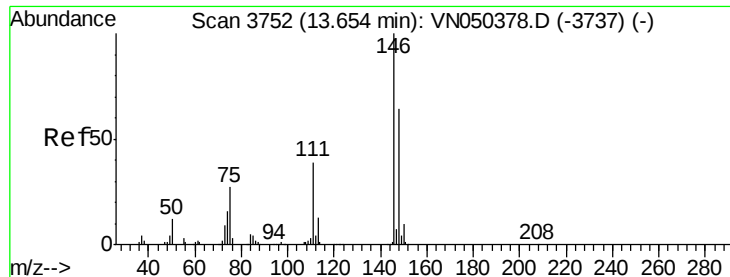


Abundance

Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)

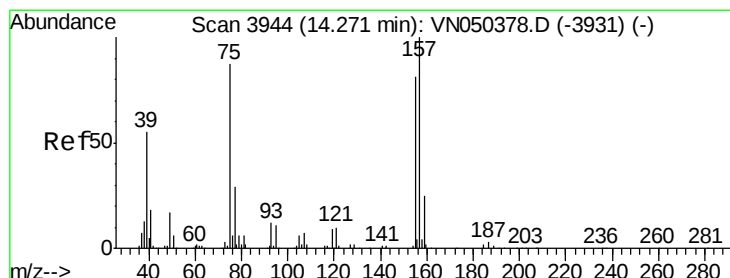
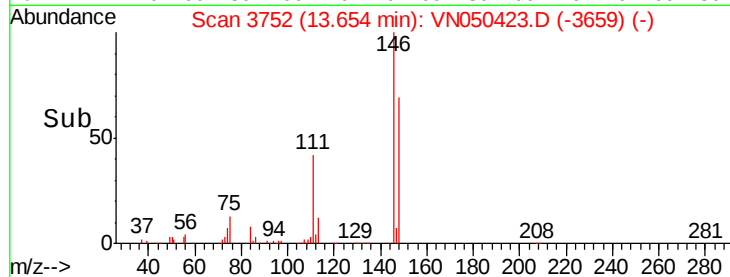
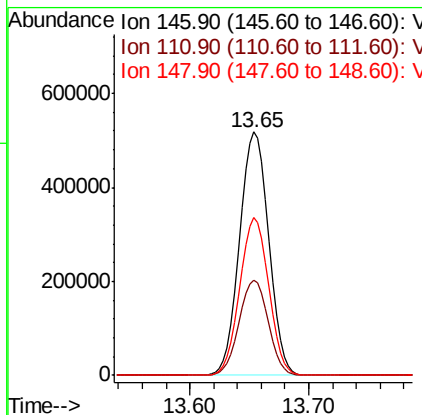
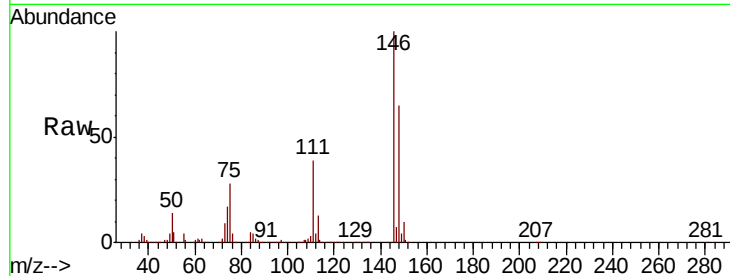




#91
 1,2-Dichlorobenzene
 Concen: 48.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

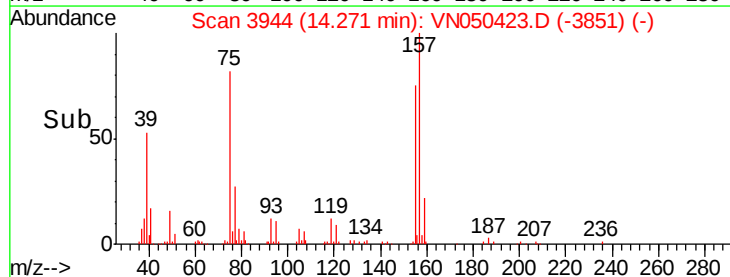
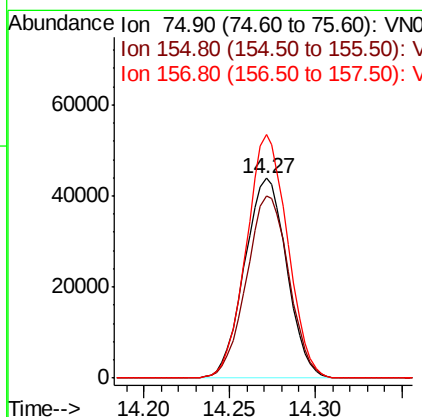
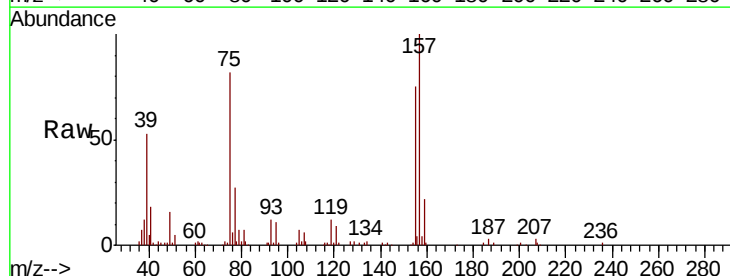
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.87 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	44.8	134.4
157	118.5	57.2	171.6

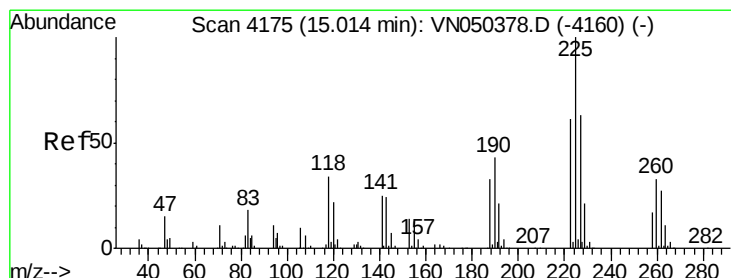
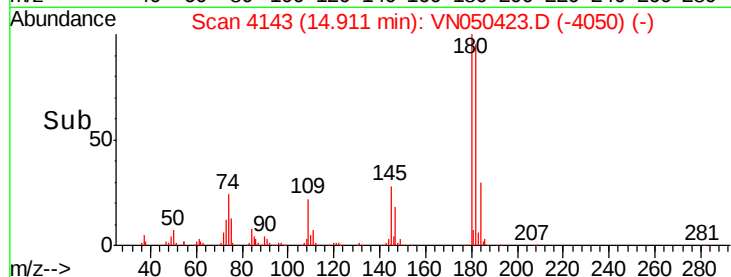
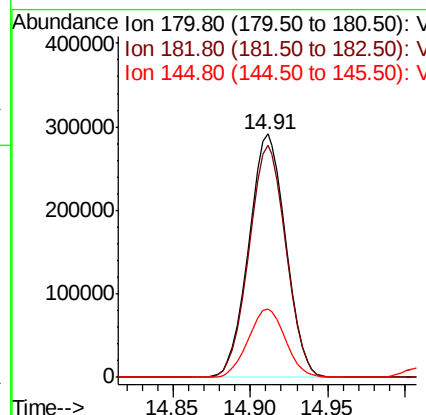
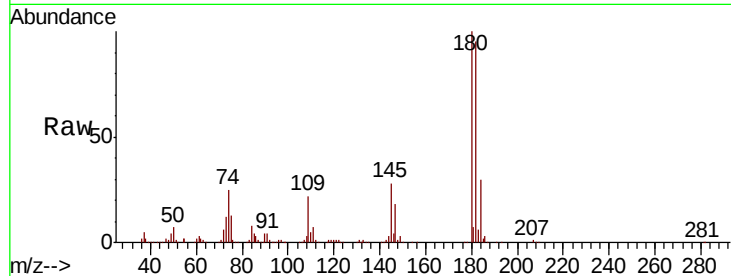




#93
 1,2,4-Trichlorobenzene
 Concen: 51.91 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

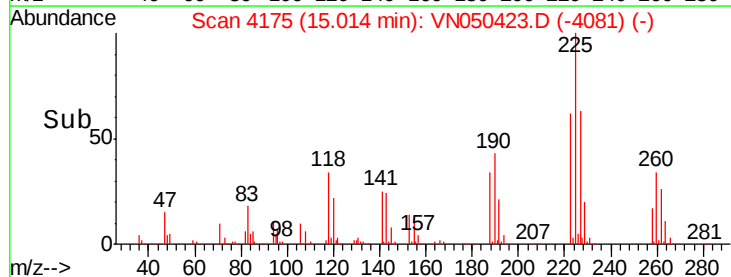
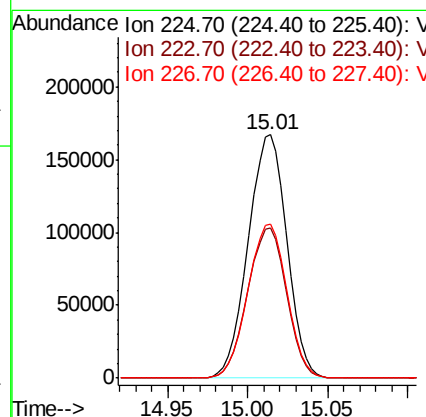
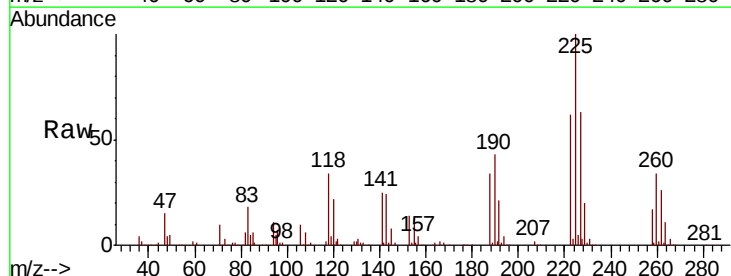
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

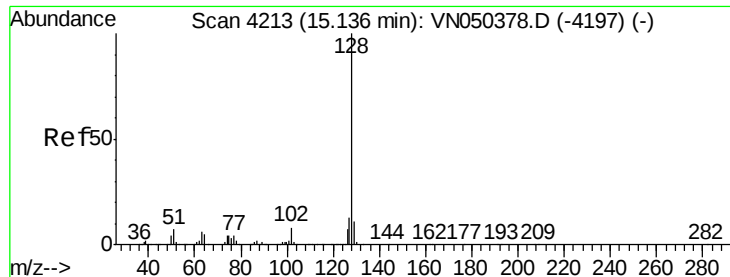
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.7	140.1
145	28.4	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 54.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.2
227	63.8	32.1	96.5





#95

Naphthalene

Concen: 42.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

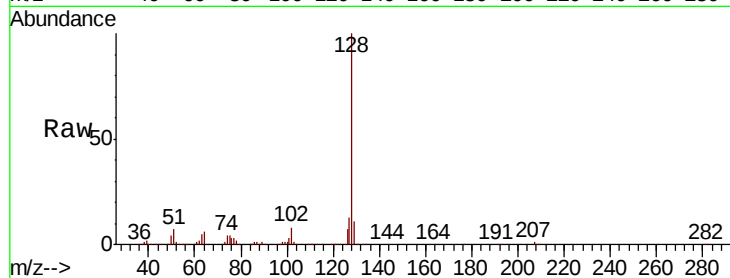
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1029698

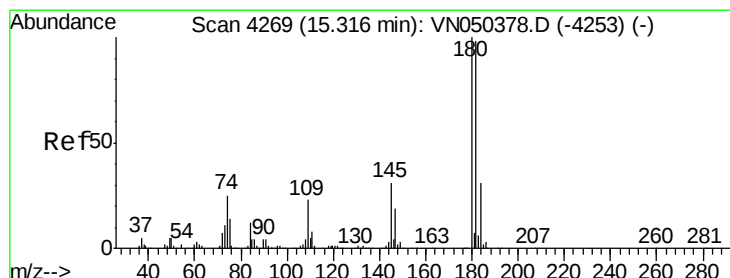
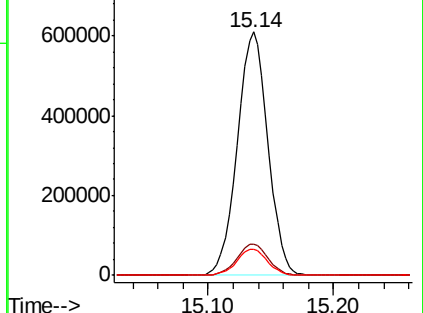
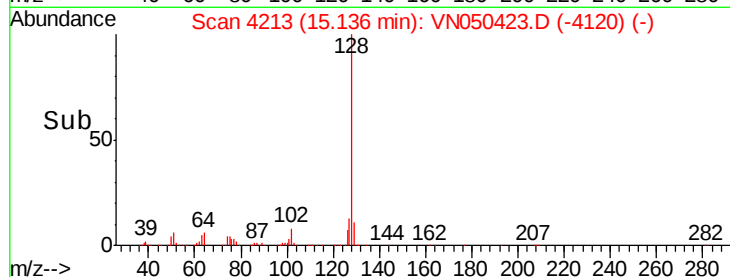
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.55 ug/l

RT: 15.32 min Scan# 4269

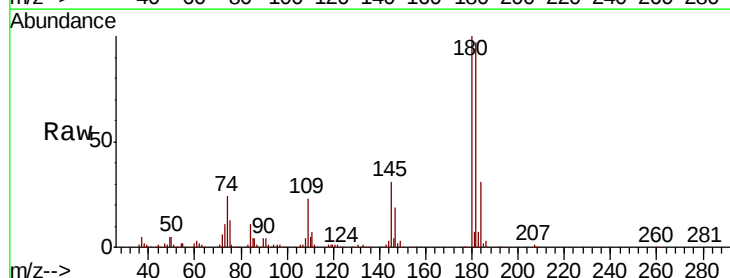
Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:180 Resp: 458260

Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	30.4	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

