

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050763.D
 Acq On : 20 Aug 2018 10:16
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 21 02:35:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	116826	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	626798	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556650	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	224026	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.40	95	257127	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	796622	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	127192	15.80	ug/l	98
3) Chloromethane	2.06	50	167107	20.13	ug/l	100
4) Vinyl Chloride	2.18	62	167573	18.96	ug/l	97
5) Bromomethane	2.57	94	97251	18.05	ug/l	99
6) Chloroethane	2.70	64	102898	19.69	ug/l	96
7) Trichlorofluoromethane	3.01	101	224947	19.48	ug/l	100
8) Diethyl Ether	3.41	74	73270	18.92	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142939	20.35	ug/l	99
10) 1,1-Dichloroethene	3.73	96	123419	19.81	ug/l	94
11) Methyl Iodide	3.95	142	83348	9.09	ug/l	99
12) Methyl Acetate	4.33	43	111777	15.67	ug/l	97
13) Acrolein	3.61	56	30884	70.04	ug/l	99
14) Acrylonitrile	4.99	53	206526	86.74	ug/l	98
15) Acetone	3.82	58	68684	108.55	ug/l	85
16) Carbon Disulfide	4.05	76	373038	19.57	ug/l	100
17) Allyl chloride	4.32	41	193004	19.62	ug/l	96
18) Methylene Chloride	4.55	84	149289	20.77	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	135496	20.32	ug/l	98
20) Diisopropyl ether	5.95	45	422467	20.95	ug/l	95
21) 1,1-Dichloroethane	5.85	63	255469	20.14	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148828	20.12	ug/l	98
23) tert-Butyl Alcohol	4.79	59	35801	67.29	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	318233	18.73	ug/l	99
25) Chloroform	7.37	83	258648	20.15	ug/l	99
26) Cyclohexane	7.65	56	210087	20.85	ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	193118	19.85	ug/l	100
30) 2-Butanone	6.84	43	303203	99.33	ug/l	99
31) 2,2-Dichloropropane	6.82	77	209459	19.48	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	218033	19.04	ug/l	99
33) Carbon Tetrachloride	7.77	117	196337	19.24	ug/l	99
34) Benzene	8.04	78	588209	19.91	ug/l	98
35) Methacrylonitrile	7.18	41	57008	16.40	ug/l	96
36) 1,2-Dichloroethane	8.12	62	176309	18.18	ug/l	99
37) Trichloroethene	8.83	130	154980	20.00	ug/l	93
38) Methylcyclohexane	9.08	83	200833	19.58	ug/l	99
39) 1,2-Dichloropropane	9.12	63	159005	20.43	ug/l	97
40) Dibromomethane	9.21	93	89636	18.64	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196117	19.33	ug/l	98
42) Vinyl Acetate	5.90	43	1277289	88.92	ug/l	99
43) Ethyl Acetate	6.93	43	105714	16.59	ug/l #	90
44) Isopropyl Acetate	8.17	43	185513	15.71	ug/l	98
45) 1,4-Dioxane	9.20	88	23755	305.73	ug/l	92
46) Methyl methacrylate	9.20	41	89571	15.65	ug/l	96
47) n-amyl Acetate	12.07	43	146149	15.91	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	182218	18.84	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	221357	19.48	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	130892	18.96	ug/l	98
51) Ethyl methacrylate	10.43	69	140109	16.72	ug/l	99
52) 1,3-Dichloropropane	10.71	76	217026	19.14	ug/l	98
53) Dibromochloromethane	10.90	129	147117	18.78	ug/l	99
54) 1,2-Dibromoethane	11.00	107	122170	18.07	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	342450	90.30	ug/l	99
56) Bromoform	12.13	173	96683	17.48	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	652394	100.72	ug/l	99
59) 2-Hexanone	10.75	43	429303	97.15	ug/l	99
61) Tetrachloroethene	10.63	164	140812	18.68	ug/l	96
62) Toluene	10.16	91	631182	19.87	ug/l	100
64) Chlorobenzene	11.43	112	391434	20.33	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	147347	19.62	ug/l	99
66) Ethyl Benzene	11.51	91	639084	19.69	ug/l	99
67) m/p-Xylenes	11.62	106	513844	41.14	ug/l	99
68) o-Xylene	11.95	106	239212	20.13	ug/l	100
69) Styrene	11.96	104	390792	20.51	ug/l	100
70) Isopropylbenzene	12.25	105	640562	20.24	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157561	18.13	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	180276	24.29	ug/l	62
73) Bromobenzene	12.53	156	167813	19.90	ug/l	98
74) n-propylbenzene	12.59	91	746865	20.26	ug/l	99
75) 2-Chlorotoluene	12.67	91	451672	20.40	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	536671	20.64	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36639	15.10	ug/l	93
78) 4-Chlorotoluene	12.77	91	452290	20.62	ug/l	98
79) tert-butylbenzene	12.99	119	449638	20.23	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	545965	20.73	ug/l	98
81) sec-Butylbenzene	13.17	105	610458	20.22	ug/l	99
82) p-Isopropyltoluene	13.29	119	533321	20.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	292049	19.89	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	277402	20.00	ug/l	99
85) n-Butylbenzene	13.62	91	404481	19.35	ug/l	99
86) Hexachloroethane	13.87	117	98753	19.18	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	285750	19.91	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20621	15.23	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	113898	16.62	ug/l	99
90) Hexachlorobutadiene	15.01	225	91811	20.32	ug/l	98
91) Naphthalene	15.13	128	204829	17.17	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	118297	16.97	ug/l	99

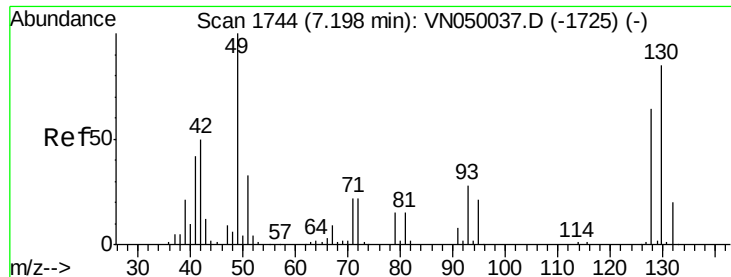
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

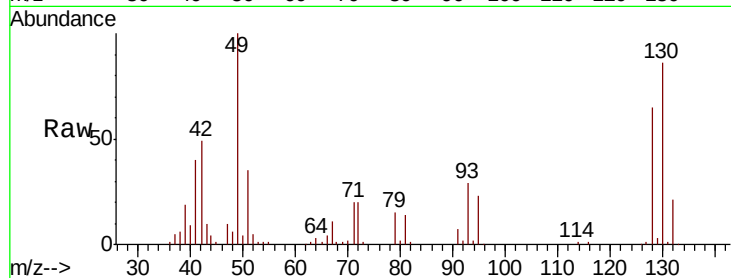
Tot Ion:128 Resp: 116826

Ion Ratio Lower Upper

128 100

49 153.5 0.0 378.3

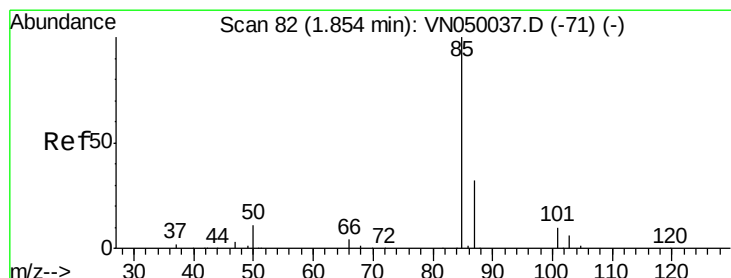
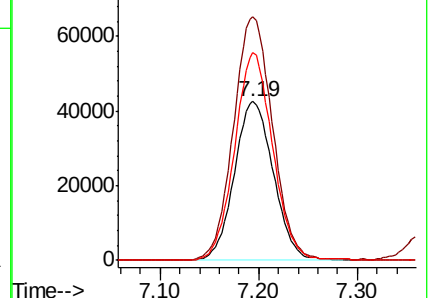
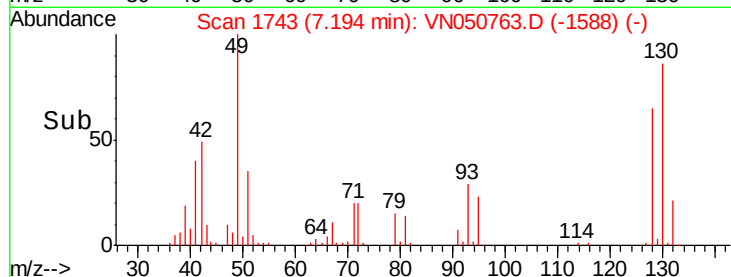
130 127.7 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.80 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050763.D

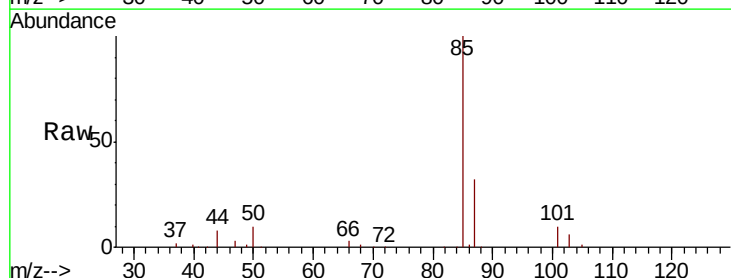
Acq: 20 Aug 2018 10:16

Tgt Ion: 85 Resp: 127192

Ion Ratio Lower Upper

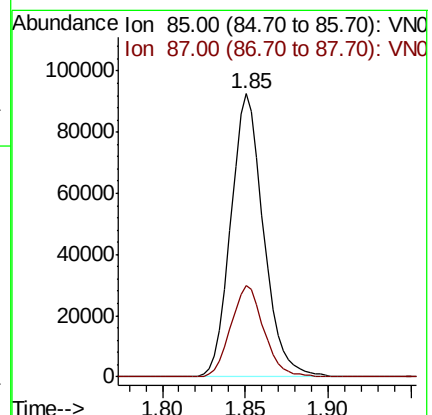
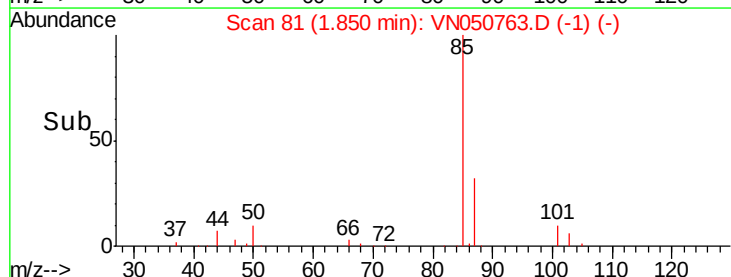
85 100

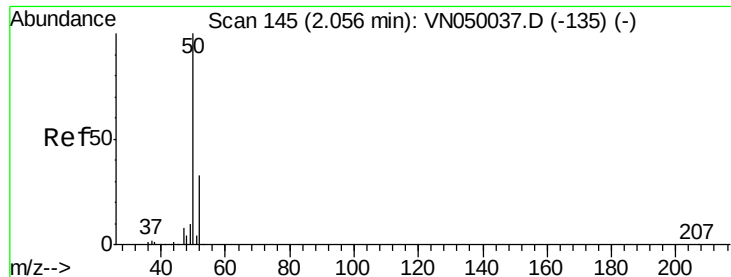
87 32.1 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.13 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

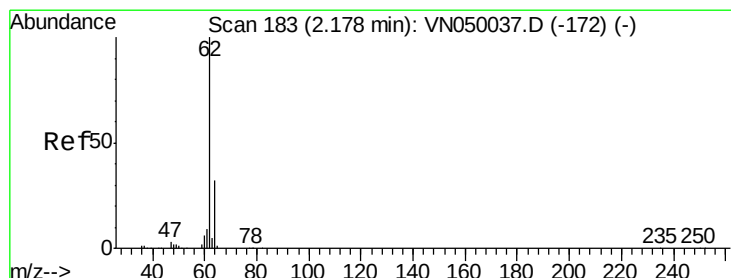
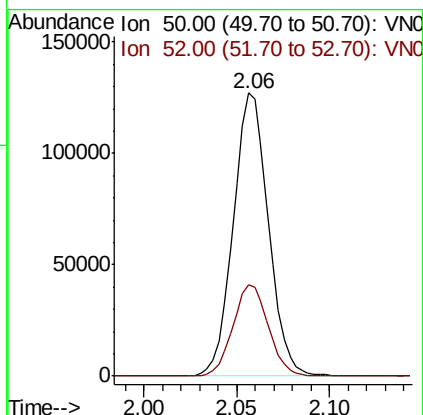
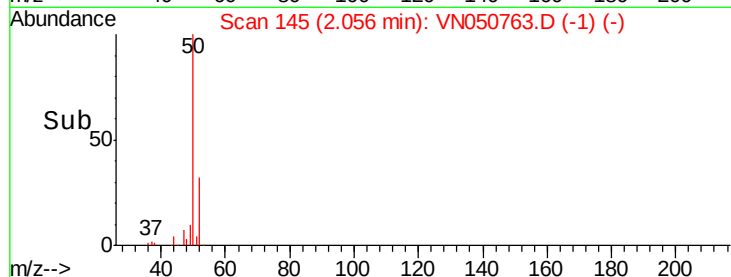
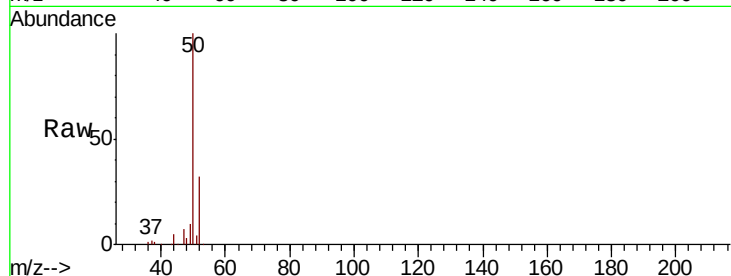
VSTDCCC020

Tot Ion: 50 Resp: 167107

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 18.96 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050763.D

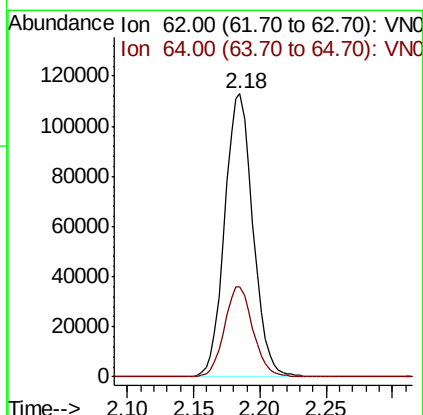
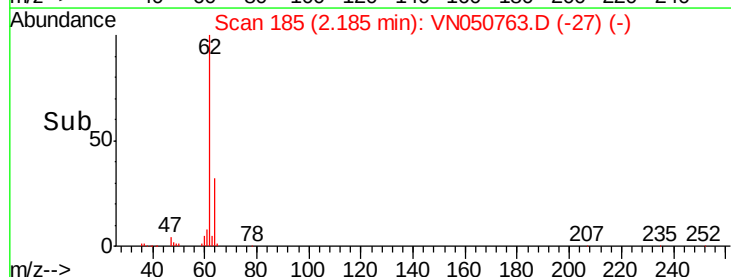
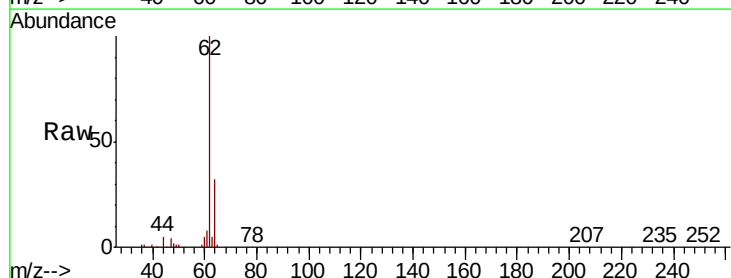
Acq: 20 Aug 2018 10:16

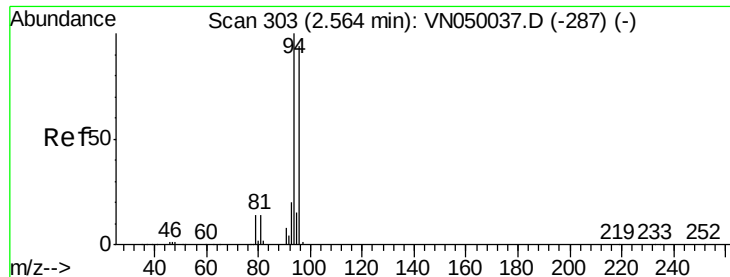
Tgt Ion: 62 Resp: 167573

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 18.05 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

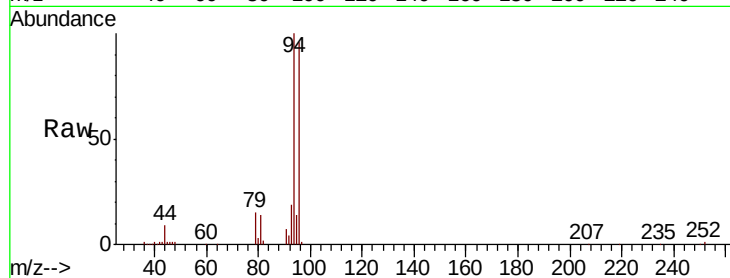
VSTDCCC020

Tot Ion: 94 Resp: 97251

Ion Ratio Lower Upper

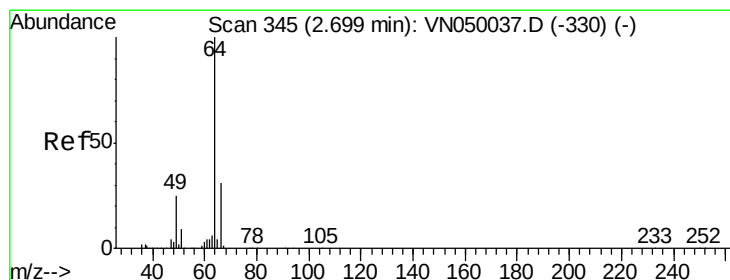
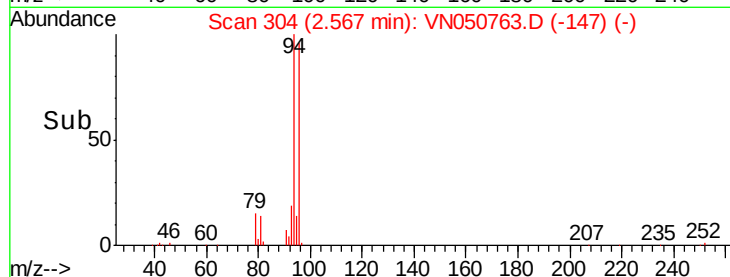
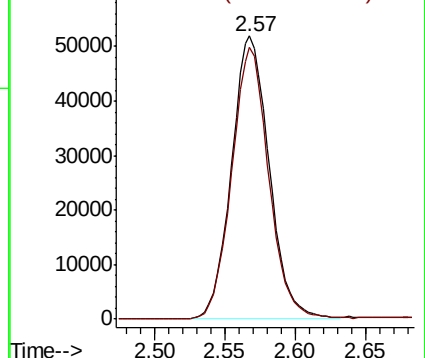
94 100

96 95.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050763.D

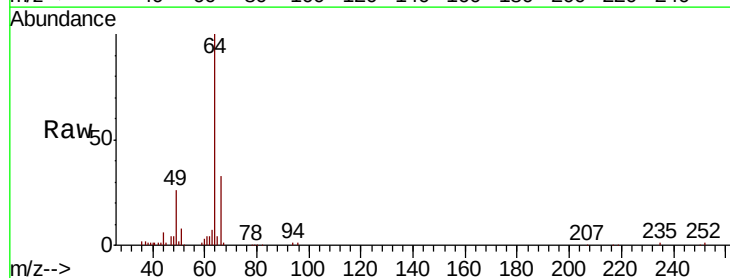
Acq: 20 Aug 2018 10:16

Tgt Ion: 64 Resp: 102898

Ion Ratio Lower Upper

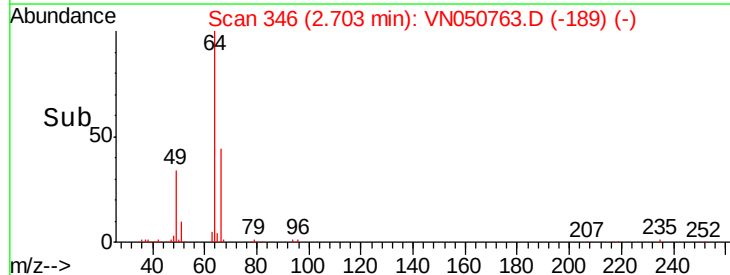
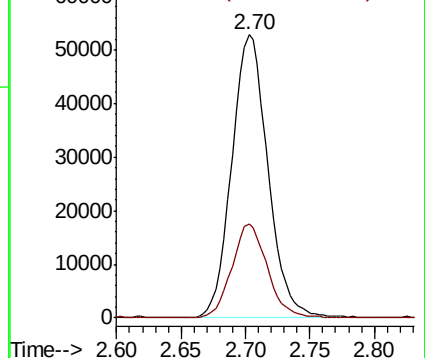
64 100

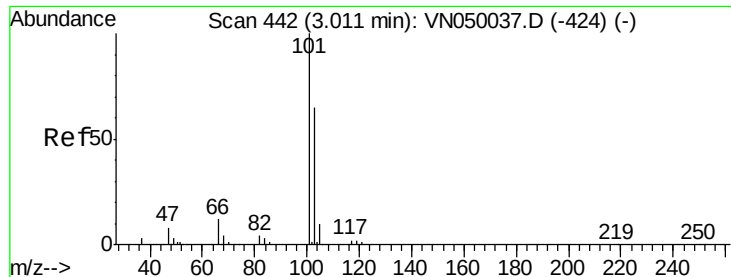
66 33.3 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



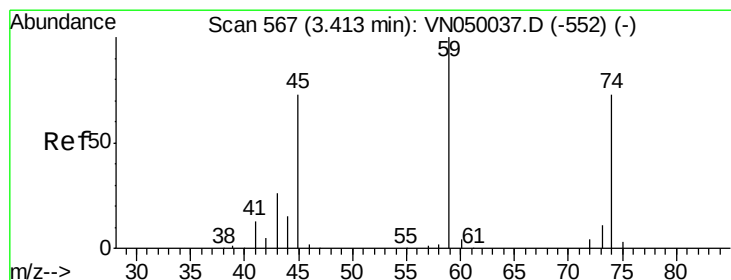
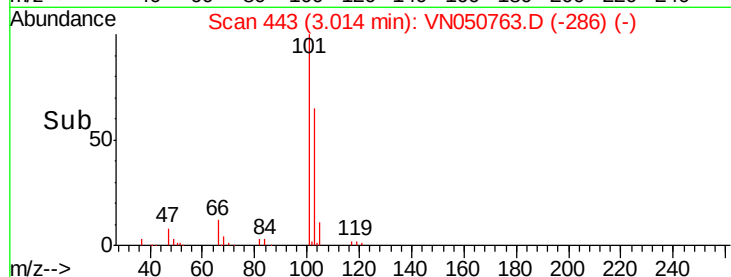
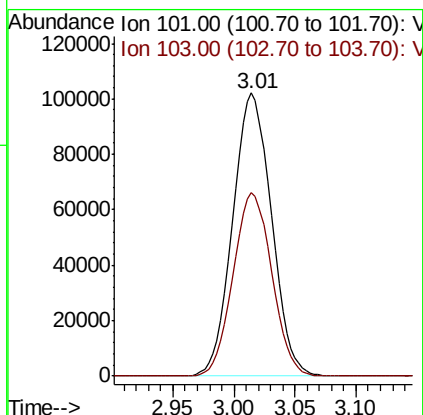
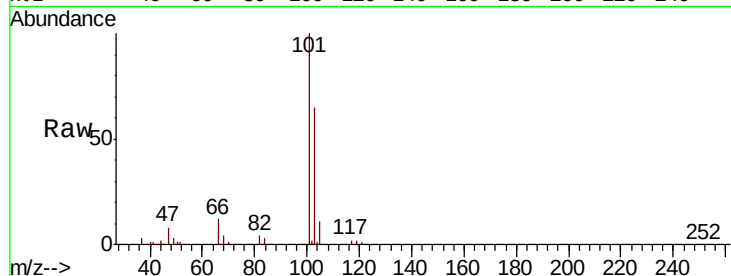


#7

Trichlorofluoromethane
 Concen: 19.48 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

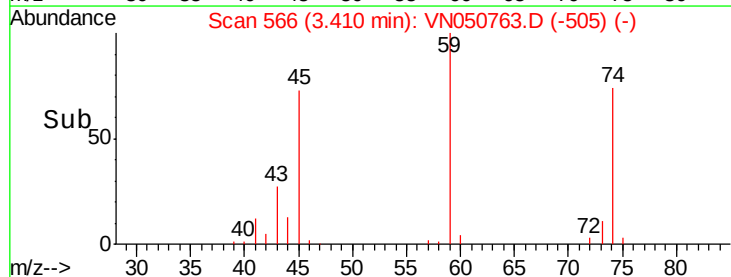
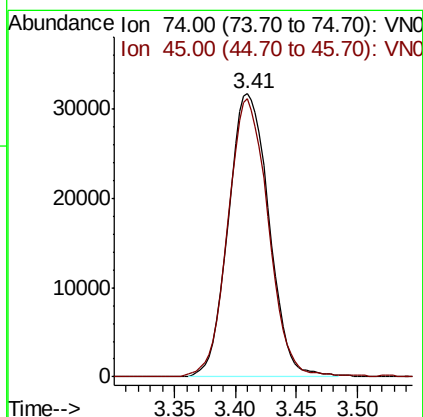
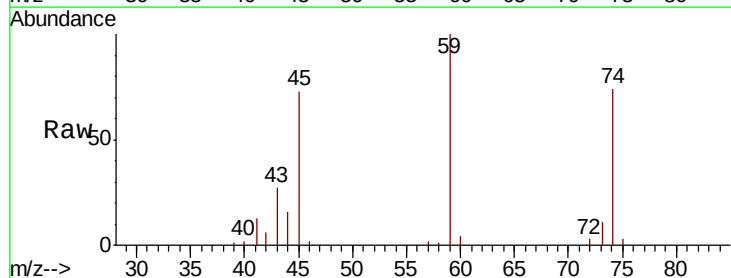
Tot Ion:101 Resp: 224947
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3

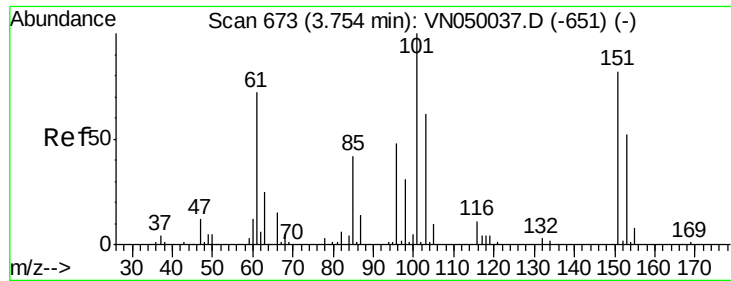


#8

Diethyl Ether
 Concen: 18.92 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 74 Resp: 73270
 Ion Ratio Lower Upper
 74 100
 45 97.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

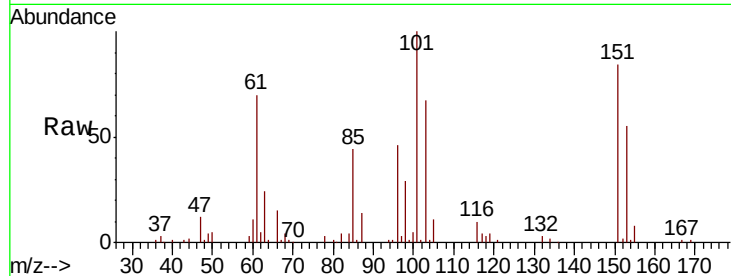
Tot Ion:101 Resp: 142939

Ion Ratio Lower Upper

101 100

85 42.0 0.0 83.0

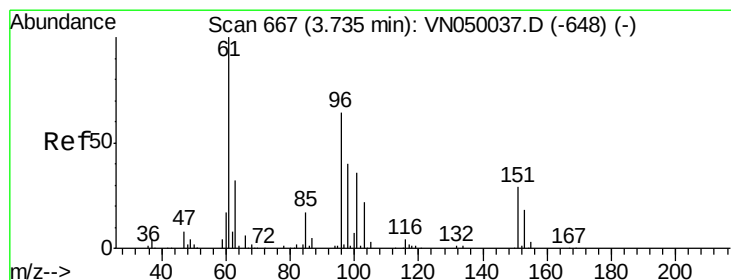
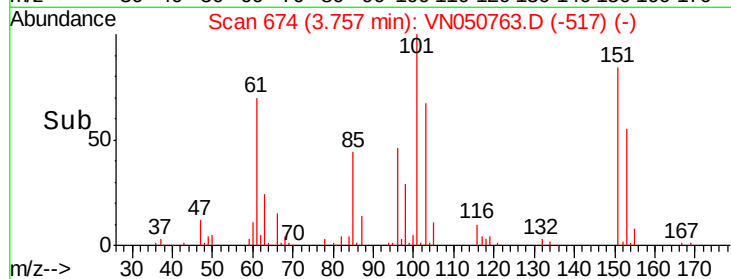
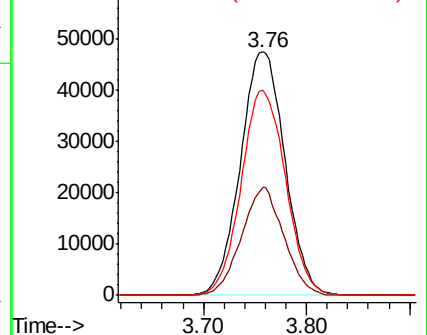
151 83.8 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.81 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

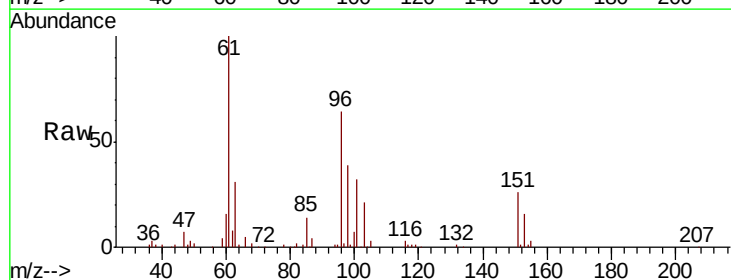
Tgt Ion: 96 Resp: 123419

Ion Ratio Lower Upper

96 100

61 156.0 130.6 195.8

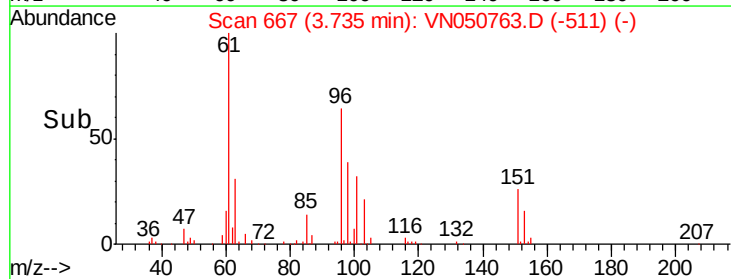
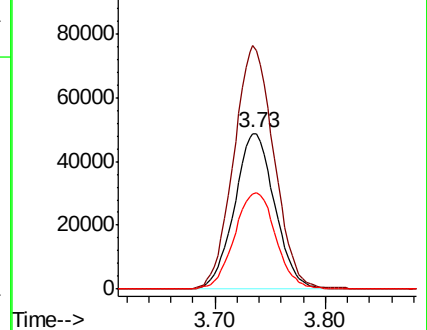
98 61.2 53.5 80.3

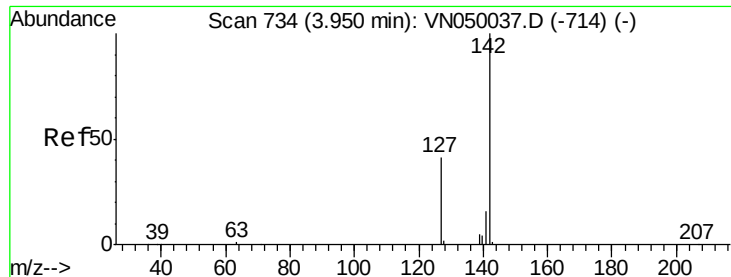


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

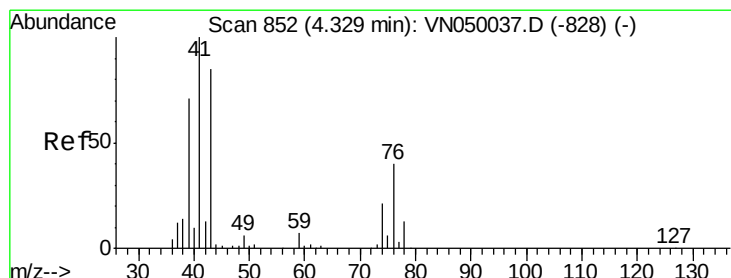
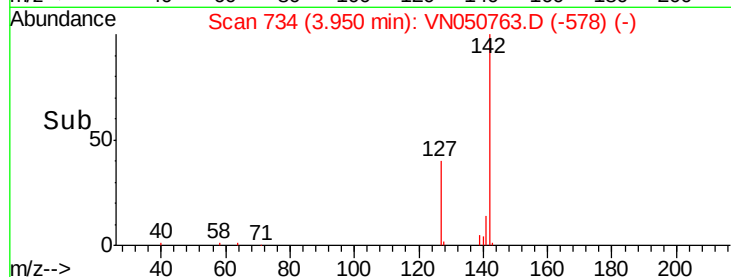
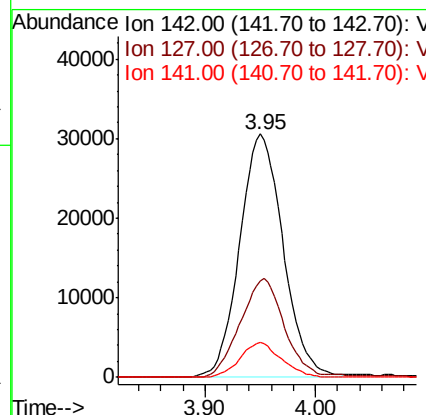
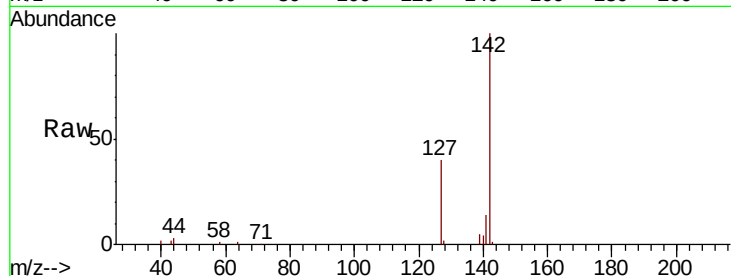




#11
Methyl Iodide
Concen: 9.09 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

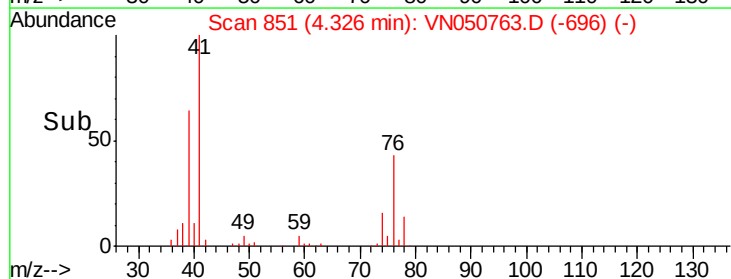
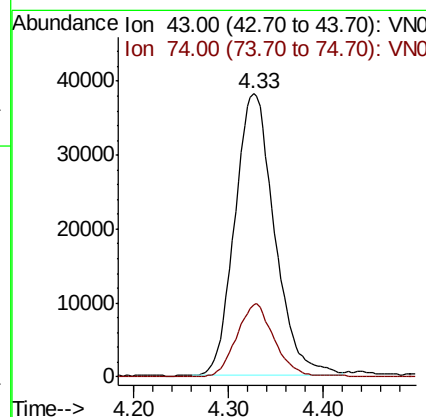
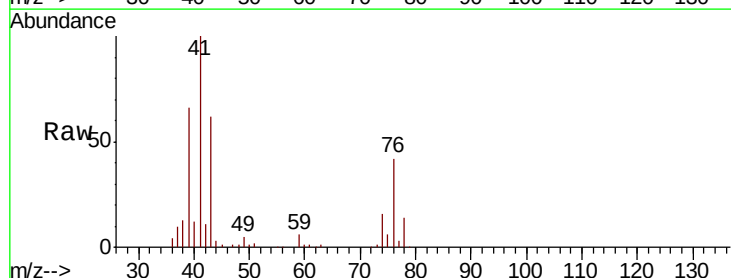
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

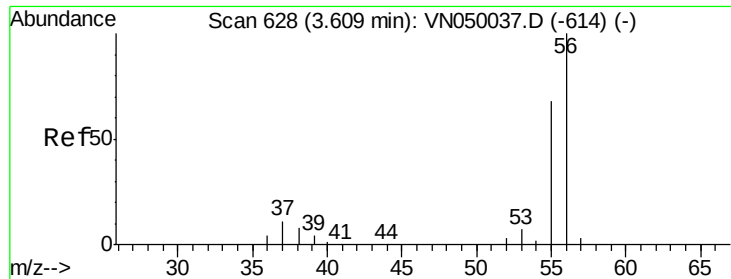
Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	20.2	60.5
141	14.3	6.9	20.6



#12
Methyl Acetate
Concen: 15.67 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.3	28.9





#13

Acrolein

Concen: 70.04 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

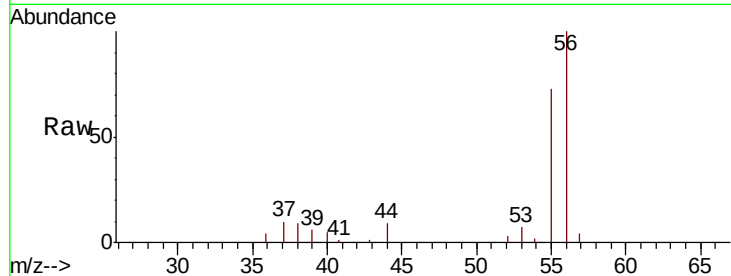
VSTDCCC020

Tot Ion: 56 Resp: 30884

Ion Ratio Lower Upper

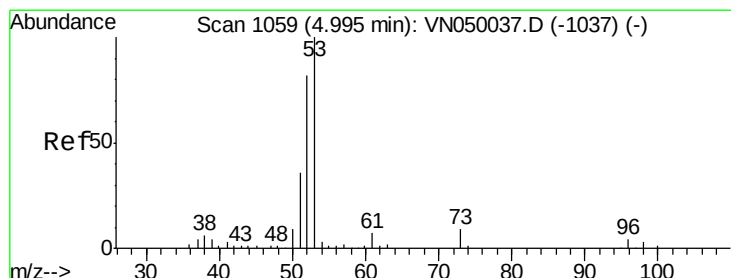
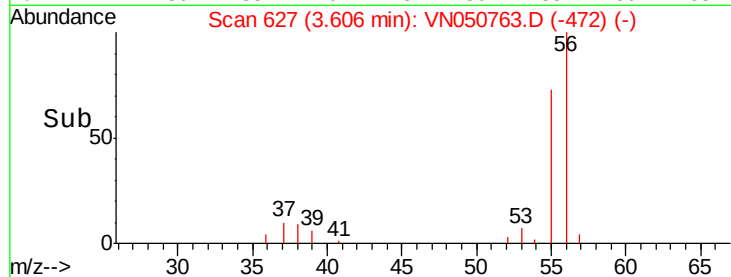
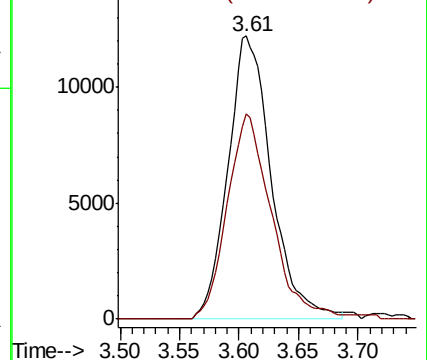
56 100

55 72.1 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 86.74 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

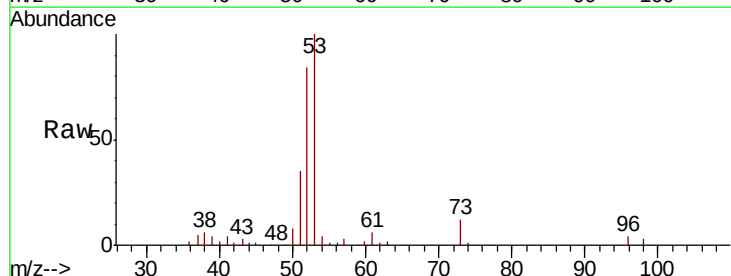
Tgt Ion: 53 Resp: 206526

Ion Ratio Lower Upper

53 100

52 82.2 41.5 124.5

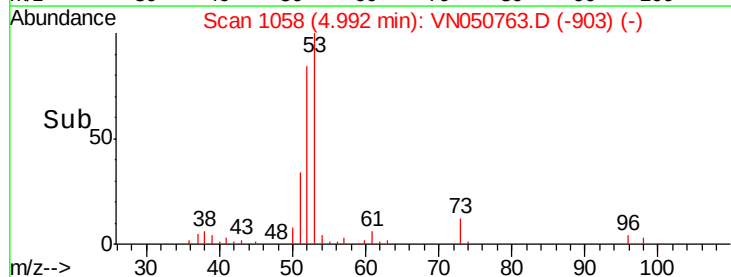
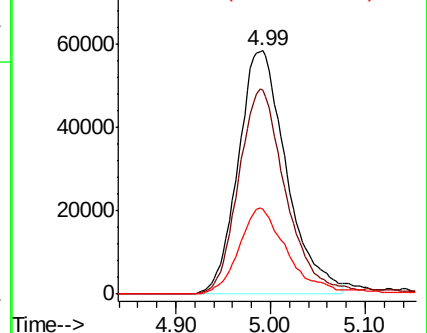
51 34.8 18.7 56.1

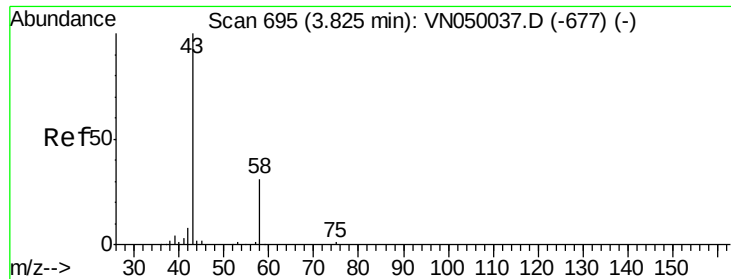


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 108.55 ug/l

RT: 3.82 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

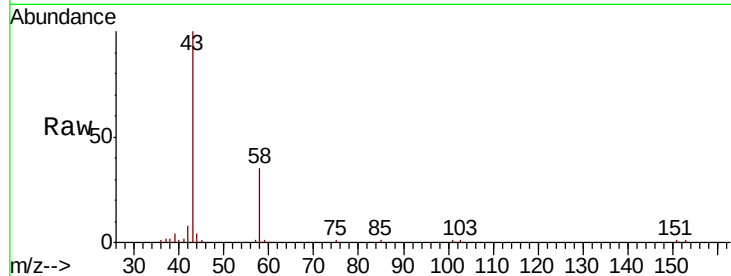
VSTDCCC020

Tot Ion: 58 Resp: 68684

Ion Ratio Lower Upper

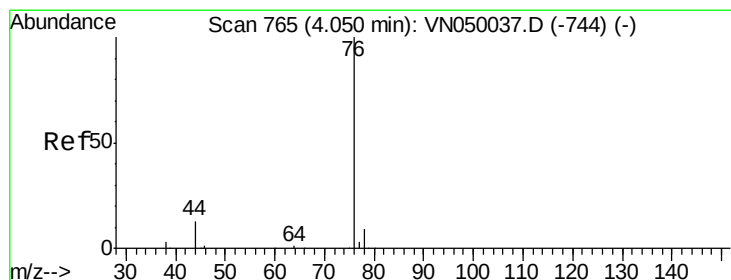
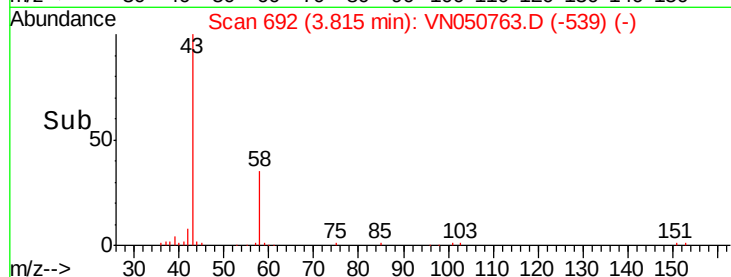
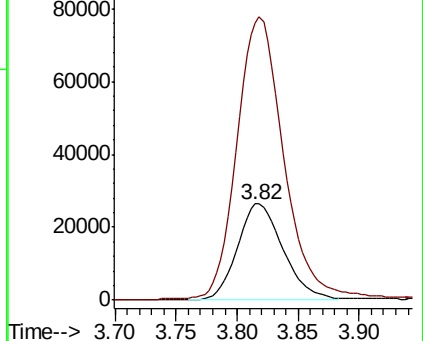
58 100

43 285.3 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN050763.D (-692) (-)

Ion 43.00 (42.70 to 43.70): VN050763.D (-692) (-)



#16

Carbon Disulfide

Concen: 19.57 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050763.D

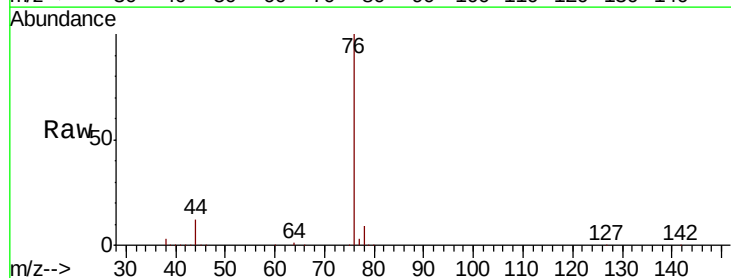
Acq: 20 Aug 2018 10:16

Tgt Ion: 76 Resp: 373038

Ion Ratio Lower Upper

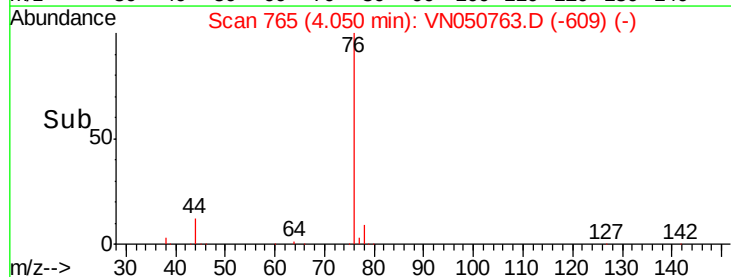
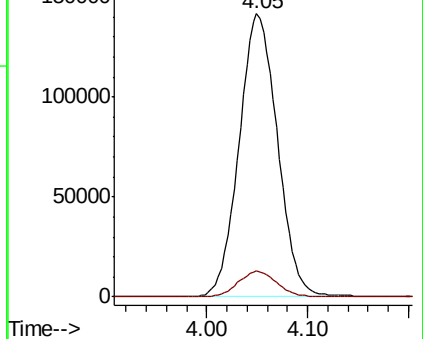
76 100

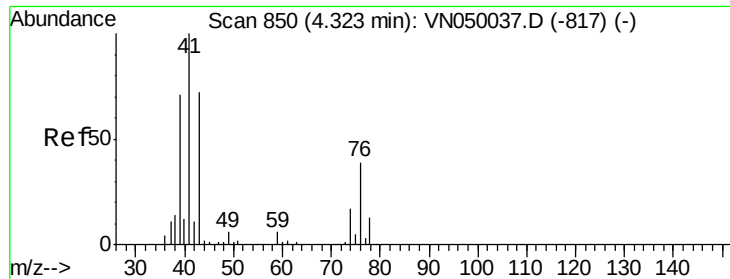
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050763.D (-765) (-)

Ion 78.00 (77.70 to 78.70): VN050763.D (-765) (-)

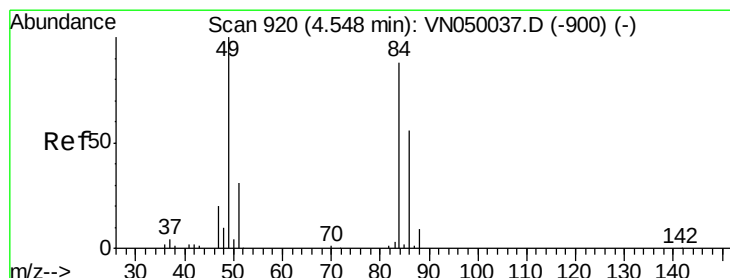
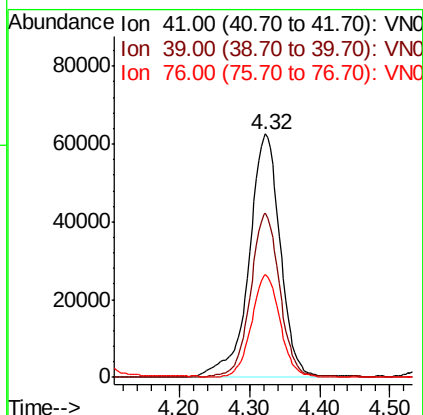
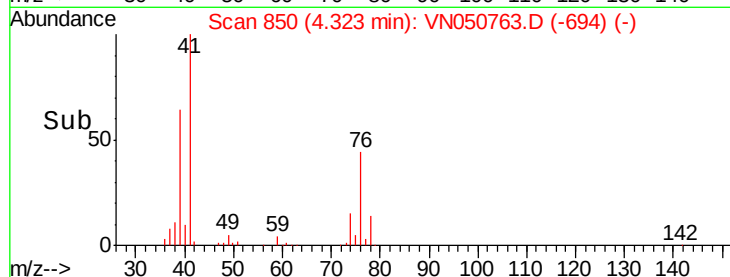
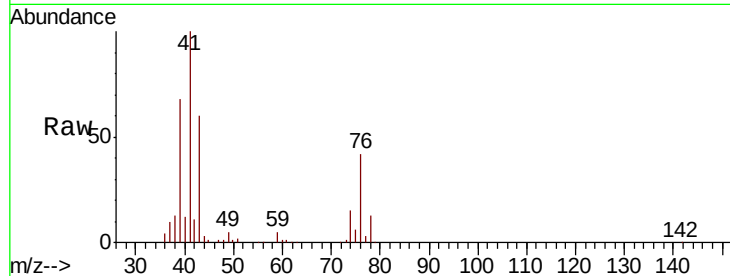




#17
Allvl chloride
Concen: 19.62 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

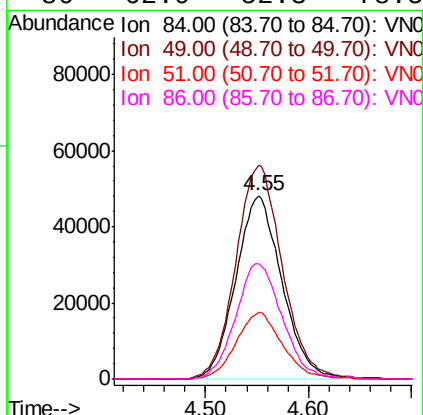
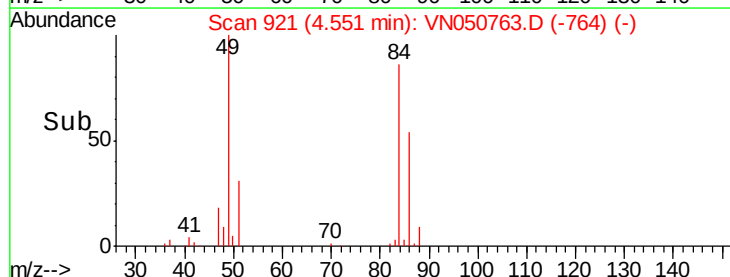
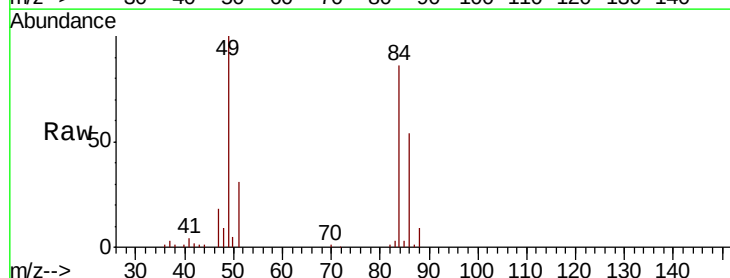
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

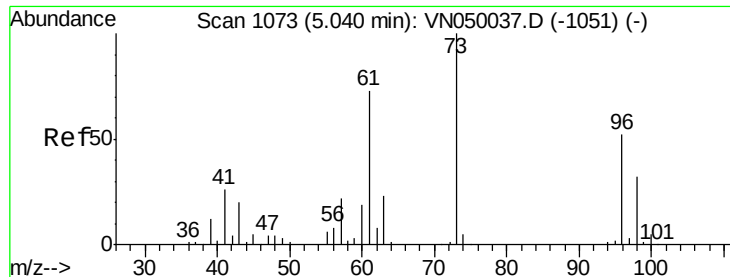
Tot Ion: 41 Resp: 193004
Ion Ratio Lower Upper
41 100
39 67.5 35.4 106.3
76 42.1 19.7 59.1



#18
Methylene Chloride
Concen: 20.77 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 84 Resp: 149289
Ion Ratio Lower Upper
84 100
49 116.3 95.1 142.7
51 36.5 28.8 43.2
86 62.9 52.3 78.5

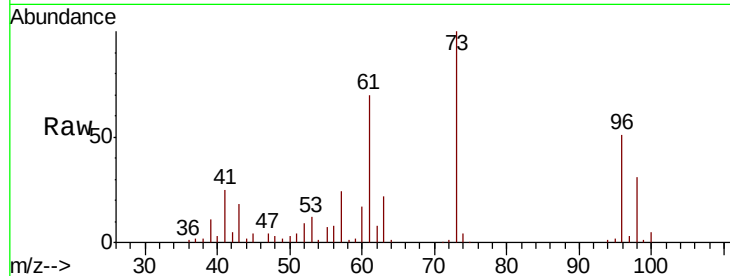




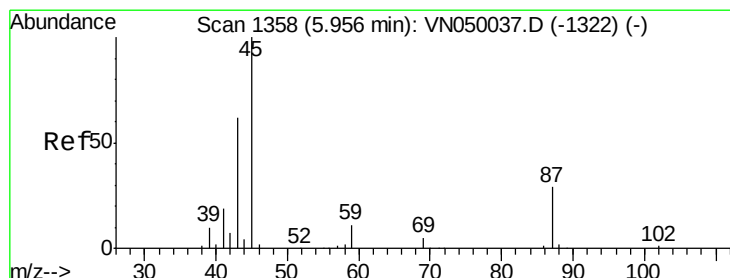
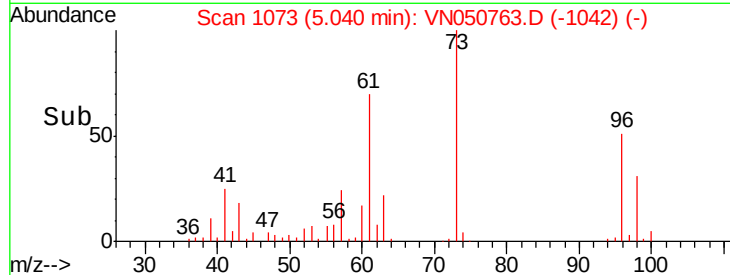
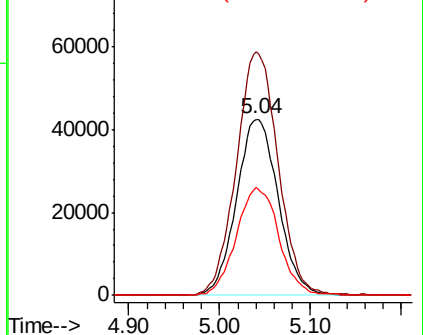
#19
trans-1,2-Dichloroethene
Concen: 20.32 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 135496
Ion Ratio Lower Upper
96 100
61 138.2 112.1 168.1
98 61.0 51.3 76.9

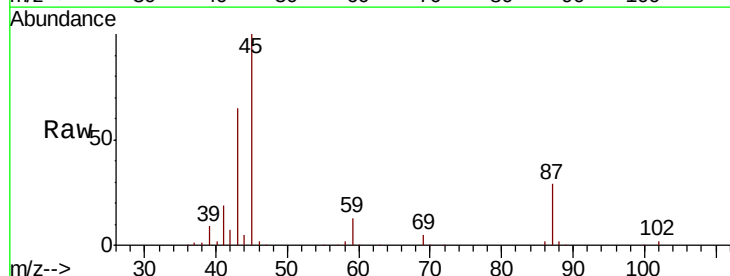


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

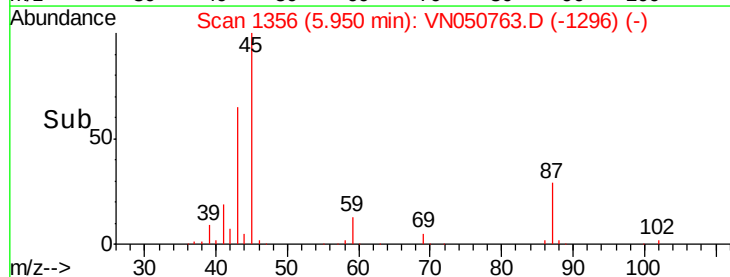
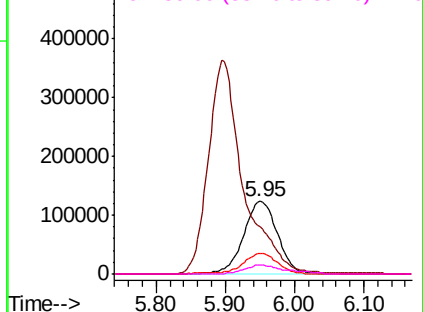


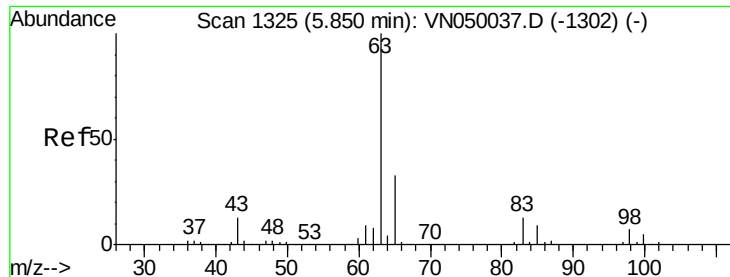
#20
Diisopropyl ether
Concen: 20.95 ug/l
RT: 5.95 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 45 Resp: 422467
Ion Ratio Lower Upper
45 100
43 63.0 46.6 70.0
87 28.7 22.3 33.5
59 12.7 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 20.14 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

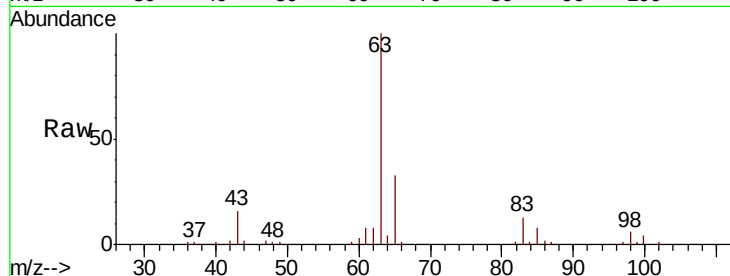
Tot Ion: 63 Resp: 255469

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.6

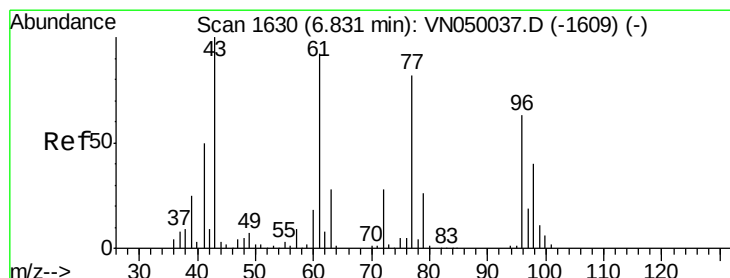
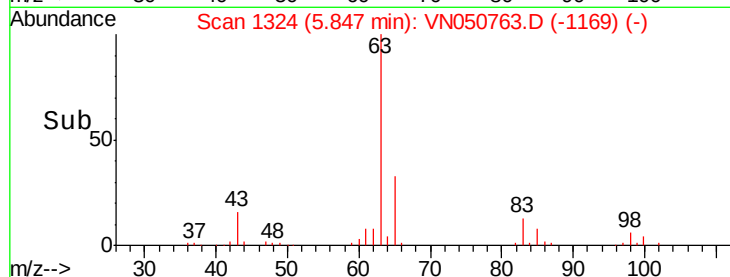
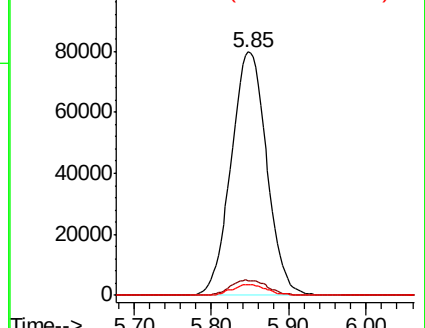
100 4.4 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.12 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

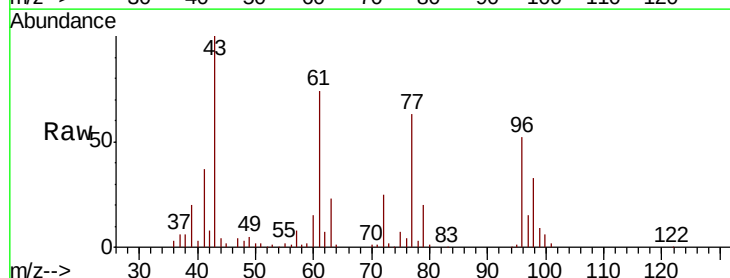
Tgt Ion: 96 Resp: 148828

Ion Ratio Lower Upper

96 100

61 146.1 114.2 171.2

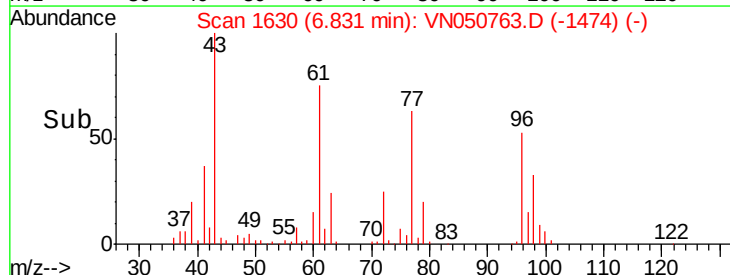
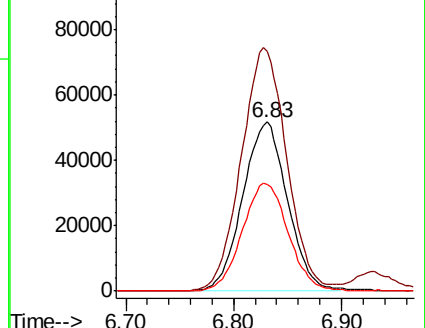
98 65.9 51.7 77.5

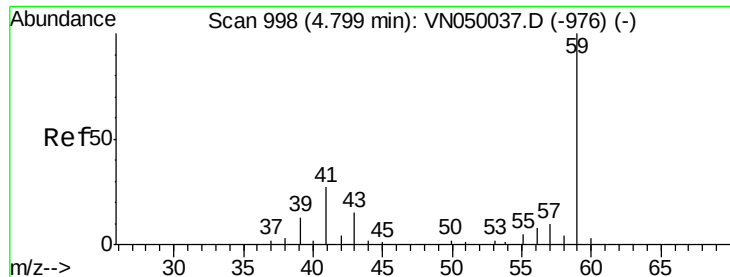


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)



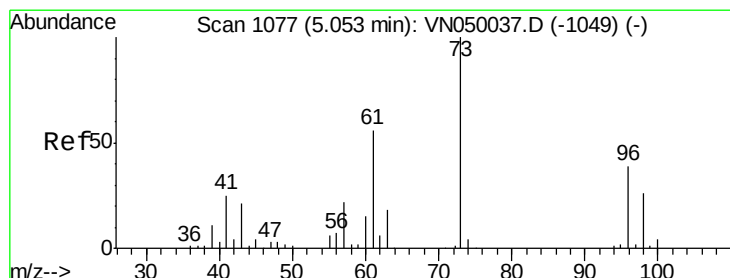
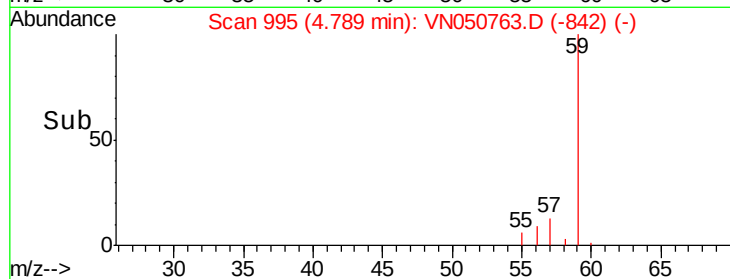
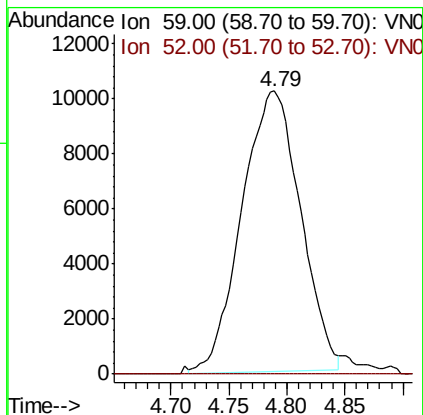
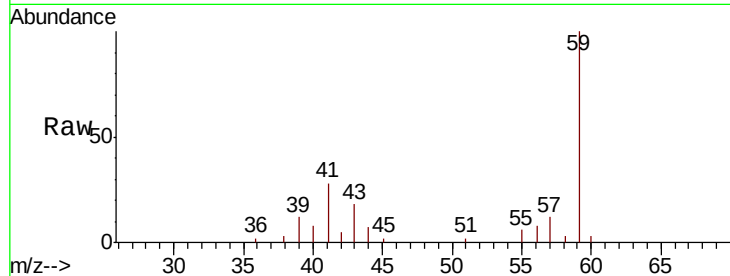


#23

tert-Butyl Alcohol
 Concen: 67.29 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

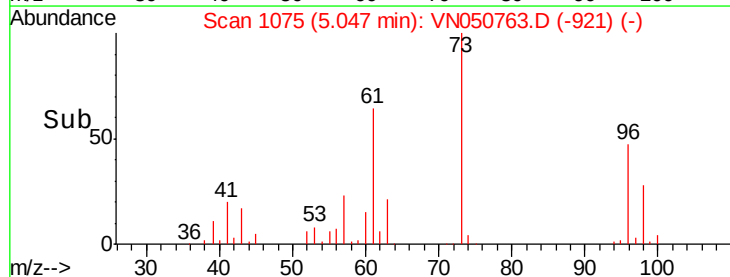
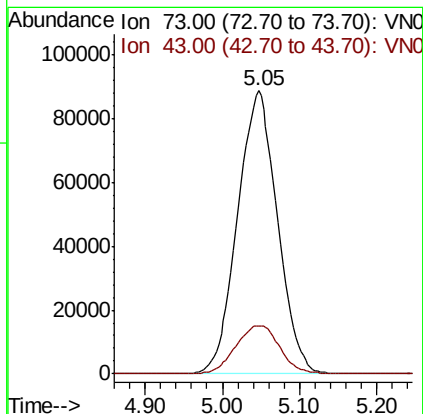
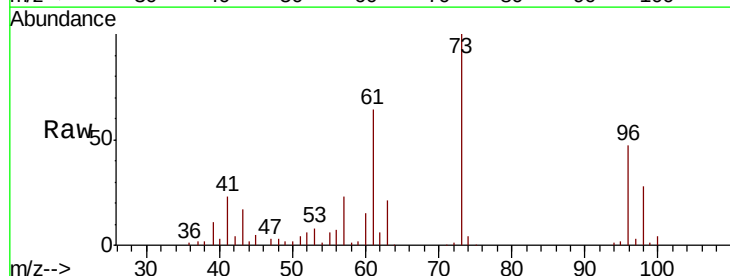
Tot Ion: 59 Resp: 35801
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

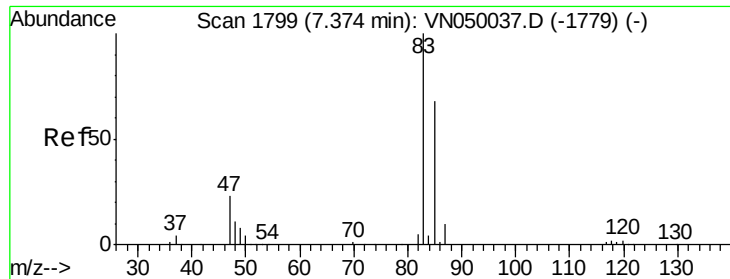


#24

Methyl tert-Butyl Ether
 Concen: 18.73 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 73 Resp: 318233
 Ion Ratio Lower Upper
 73 100
 43 18.7 15.5 23.3

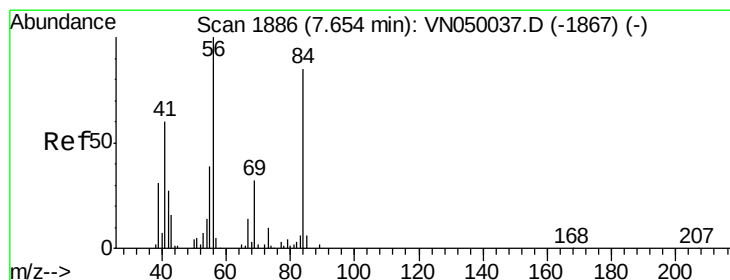
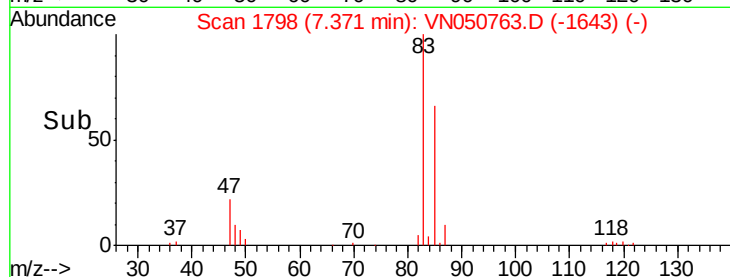
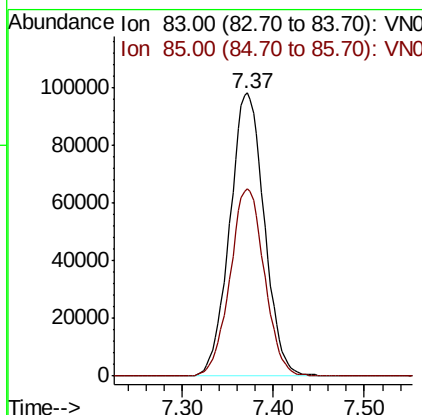
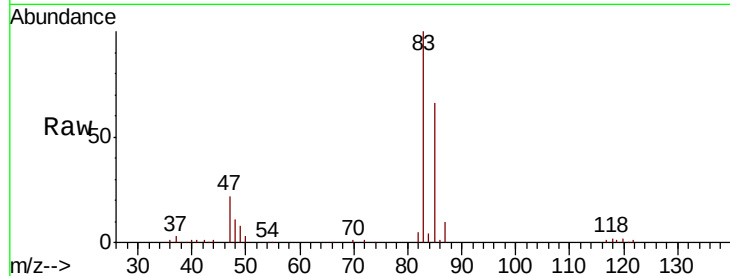




#25
Chloroform
Concen: 20.15 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

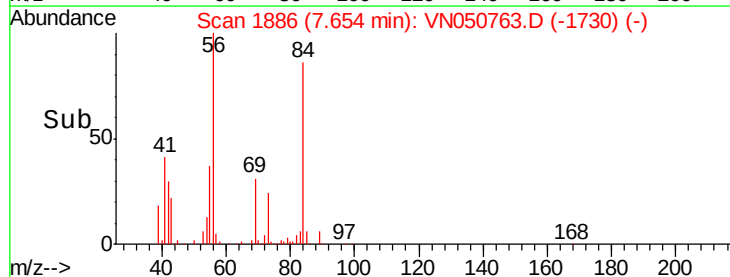
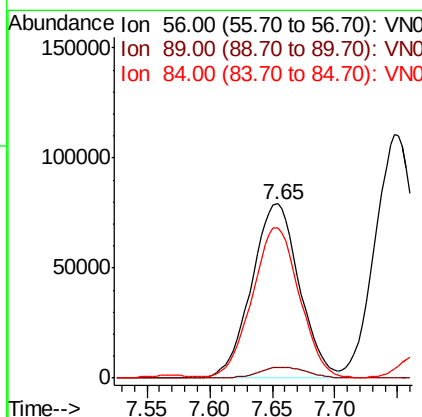
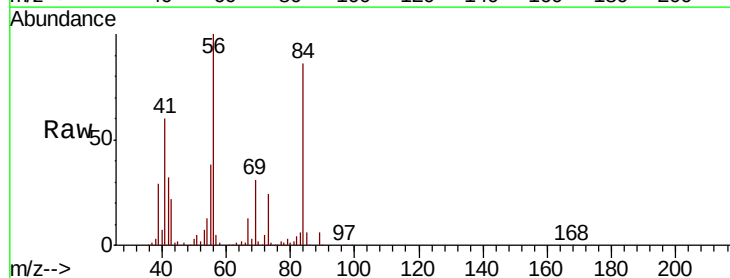
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

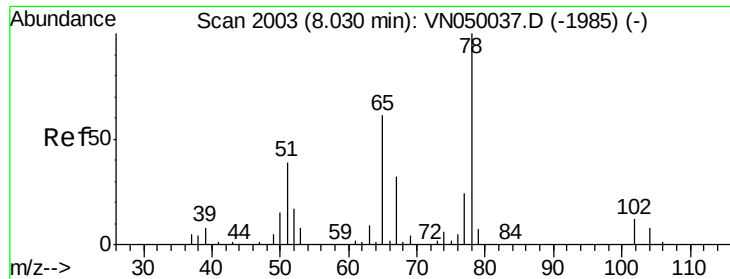
Tot Ion: 83 Resp: 258648
Ion Ratio Lower Upper
83 100
85 66.0 52.1 78.1



#26
Cyclohexane
Concen: 20.85 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 56 Resp: 210087
Ion Ratio Lower Upper
56 100
89 6.3 3.0 4.4#
84 84.5 69.8 104.8

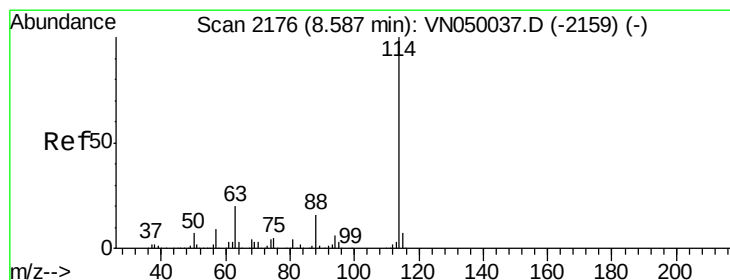
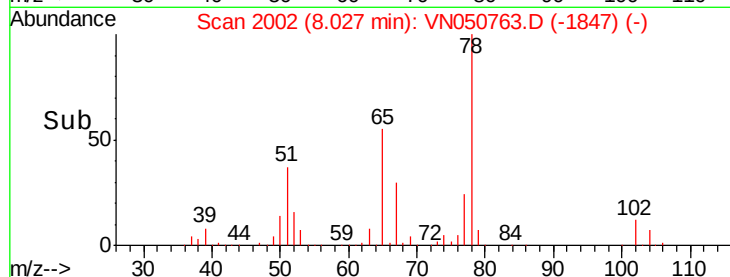
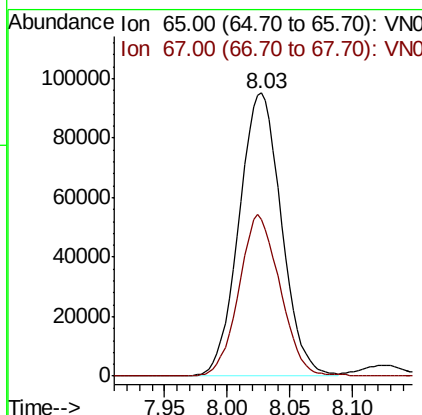
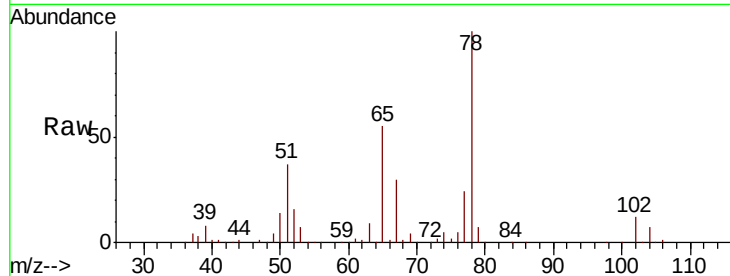




#27
 1,2-Dichloroethane-d4
 Concen: 28.21 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

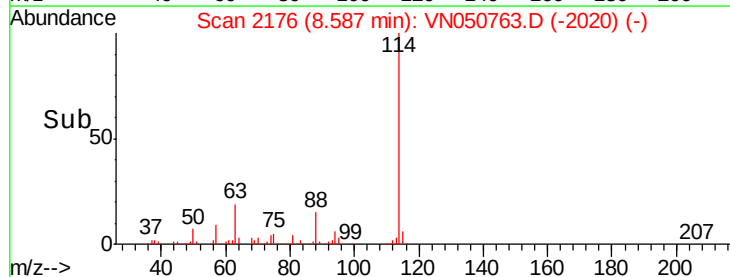
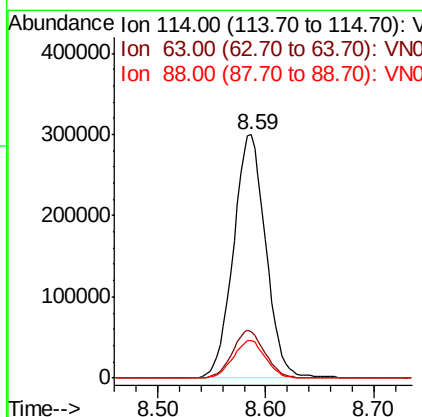
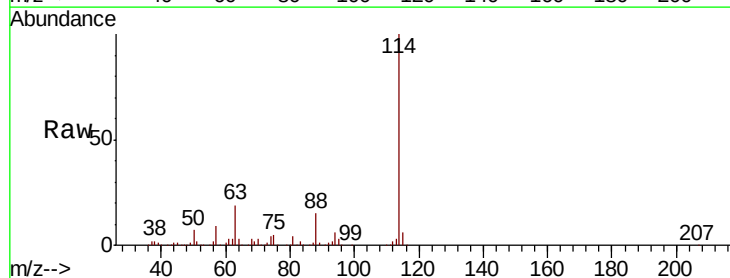
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

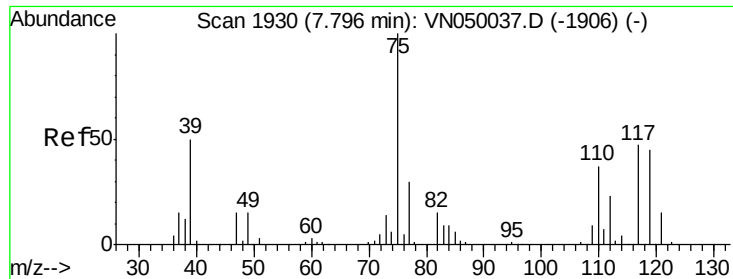
Tot Ion: 65 Resp: 224026
 Ion Ratio Lower Upper
 65 100
 67 55.3 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:114 Resp: 626798
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 15.4 12.3 18.5

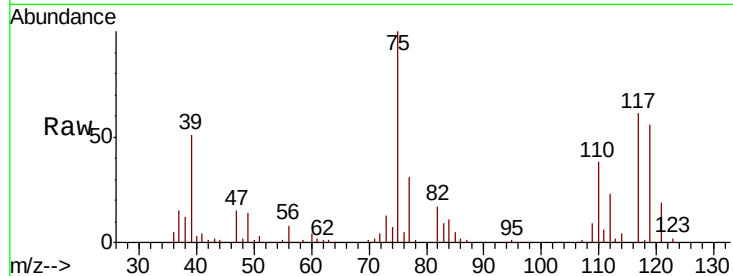




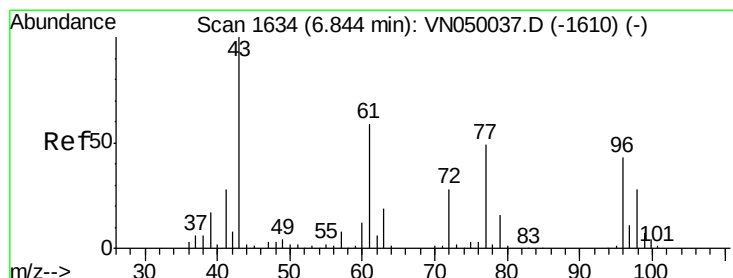
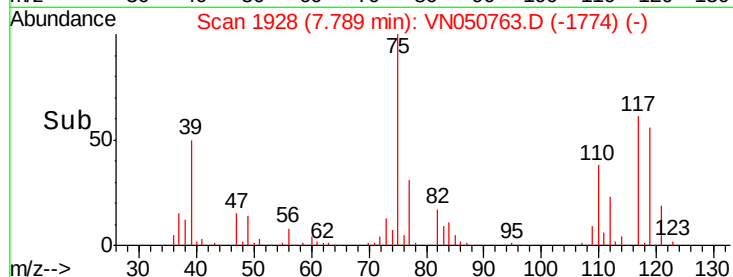
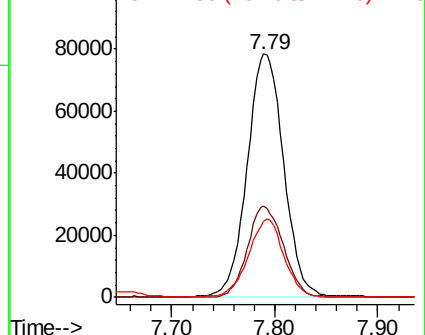
#29
 1,1-Dichloropropene
 Concen: 19.85 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 75 Resp: 193118
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 73.2
 77 31.3 0.0 62.0

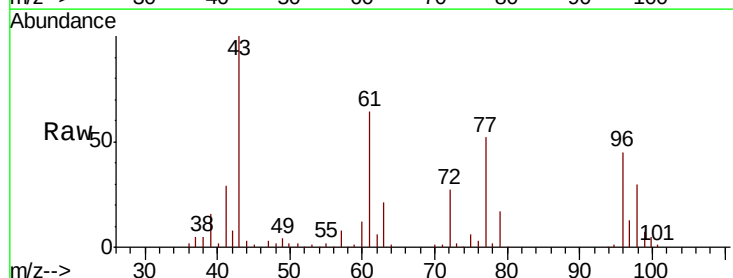


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): VN
 Ion 77.00 (76.70 to 77.70): VN

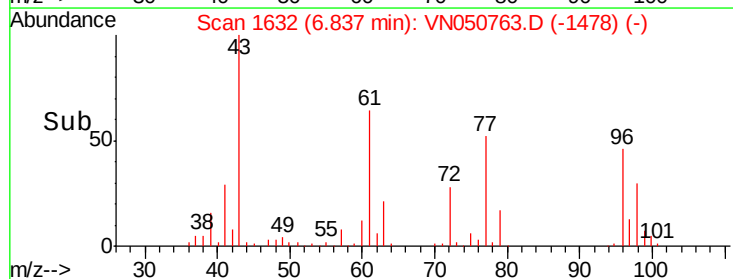
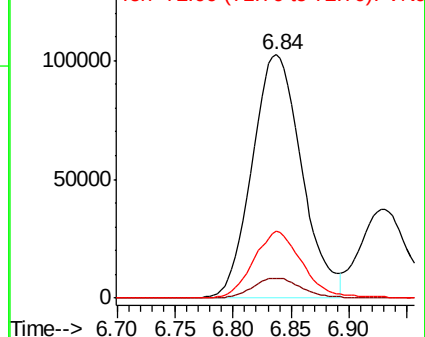


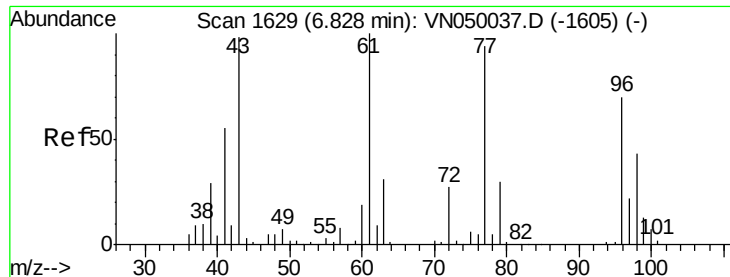
#30
 2-Butanone
 Concen: 99.33 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 303203
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.8 10.2
 72 27.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

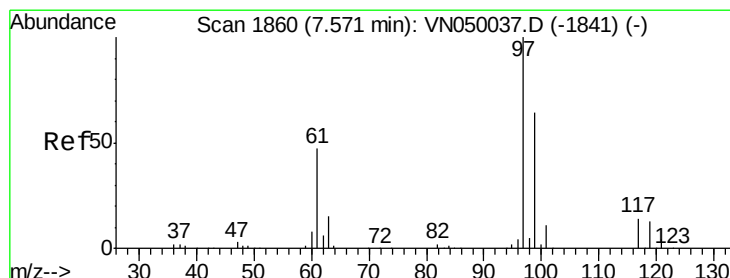
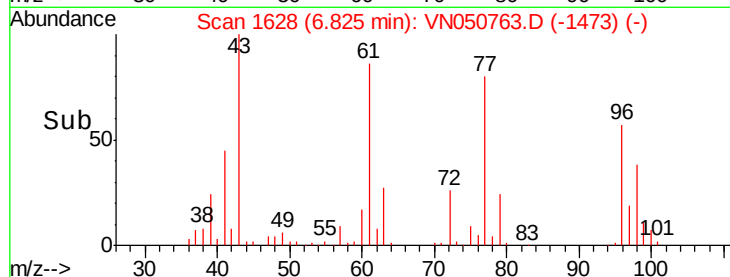
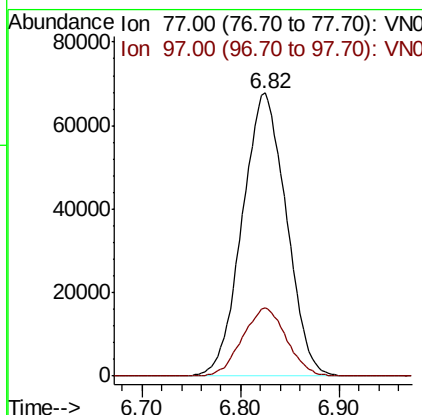
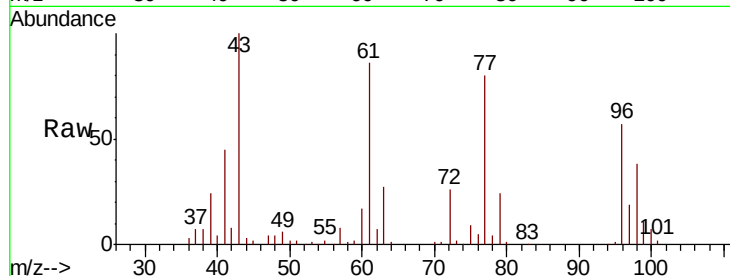




#31
 2,2-Dichloropropane
 Concen: 19.48 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

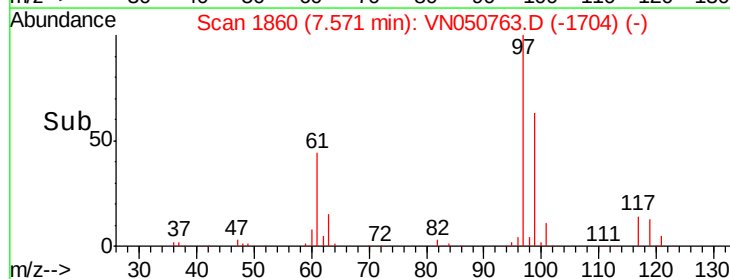
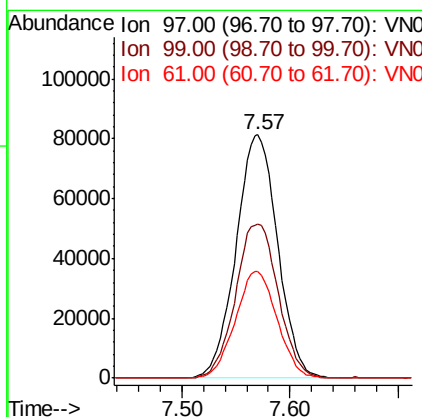
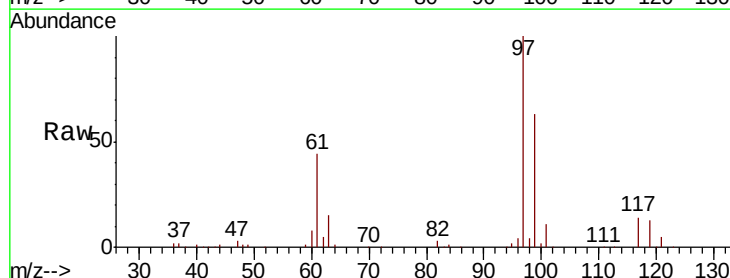
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

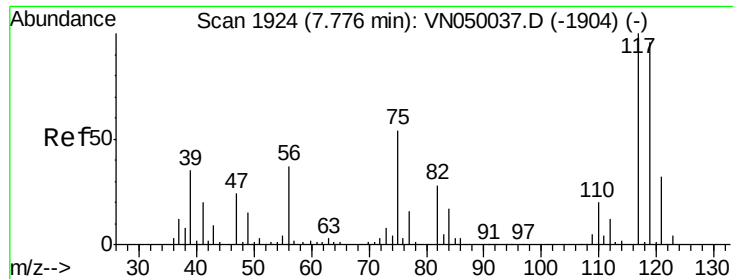
Tot Ion: 77 Resp: 209459
 Ion Ratio Lower Upper
 77 100
 97 24.2 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.04 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 97 Resp: 218033
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 43.9 35.3 52.9

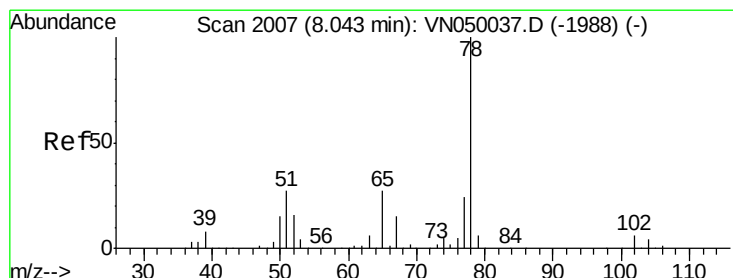
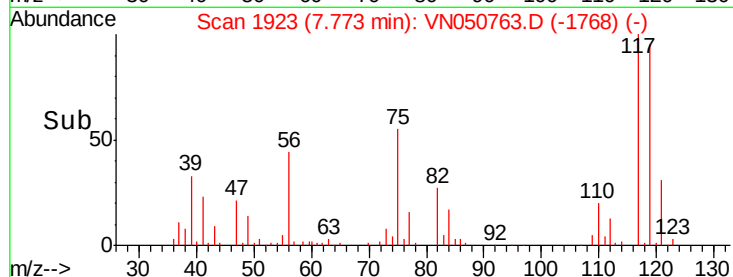
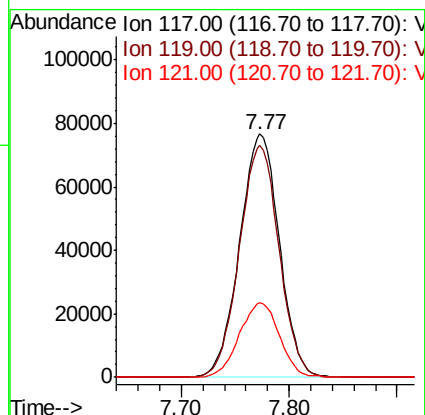
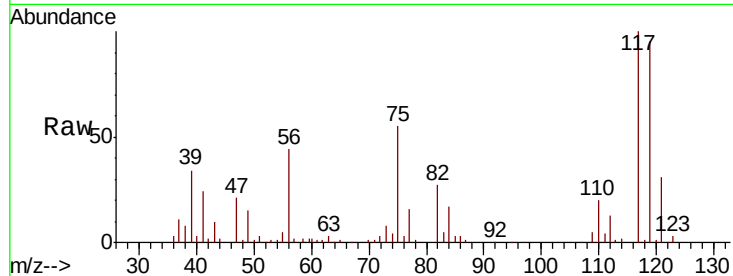




#33
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

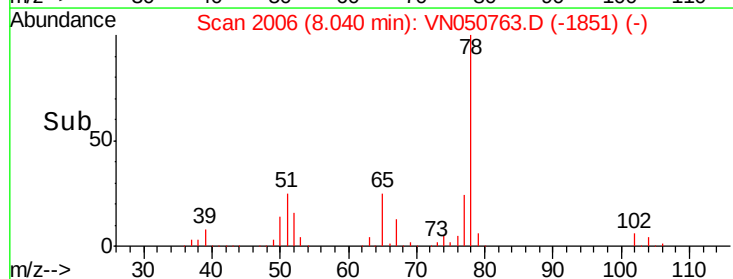
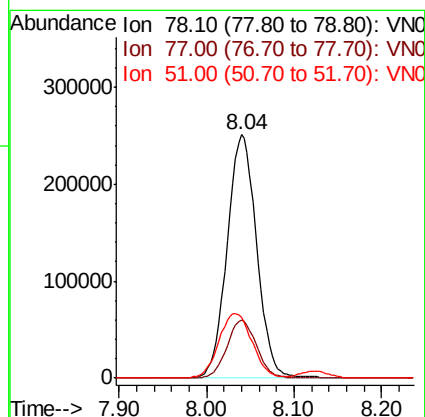
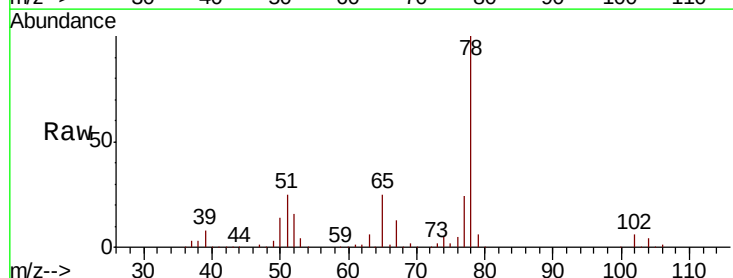
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

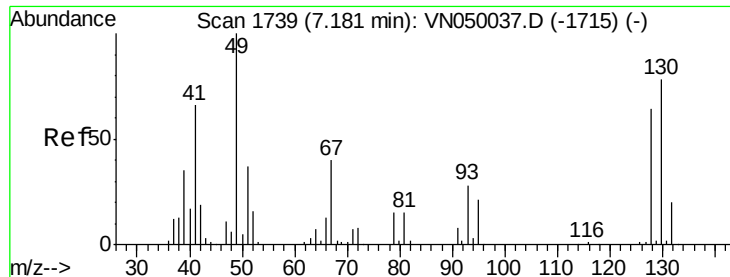
Tot Ion:117 Resp: 196337
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3
121 30.8 24.4 36.6



#34
Benzene
Concen: 19.91 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 78 Resp: 588209
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7
51 24.4 21.0 31.4

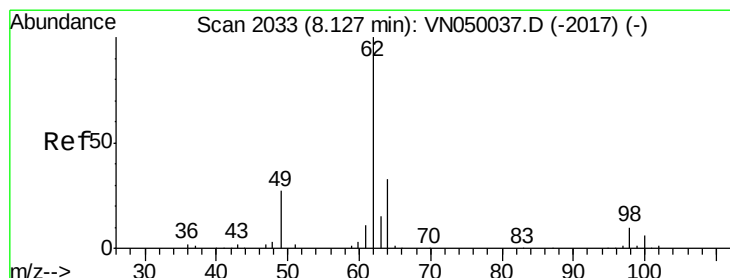
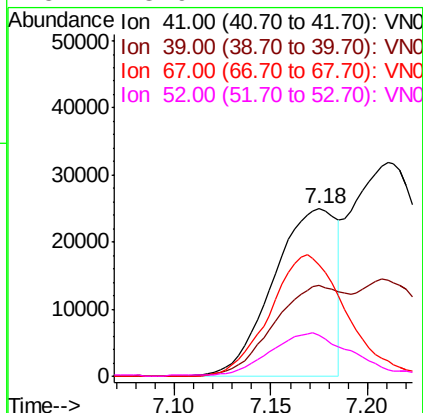
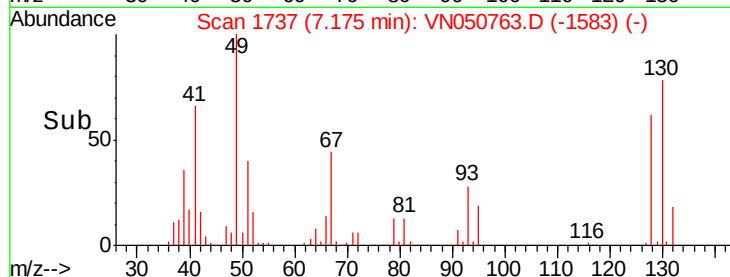
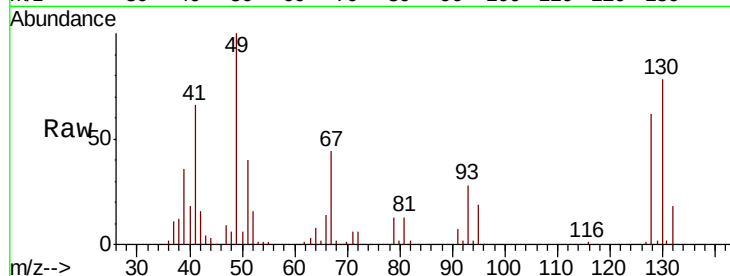




#35
Methacrylonitrile
Concen: 16.40 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

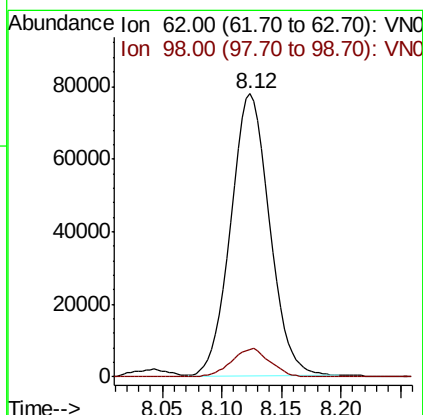
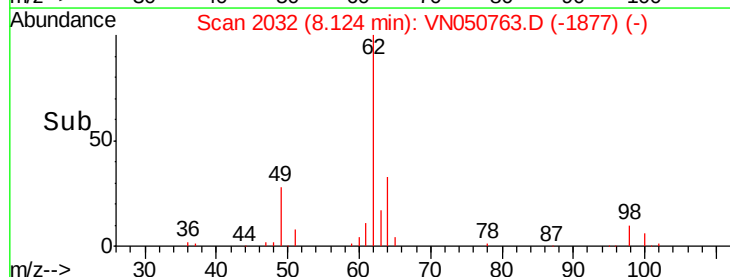
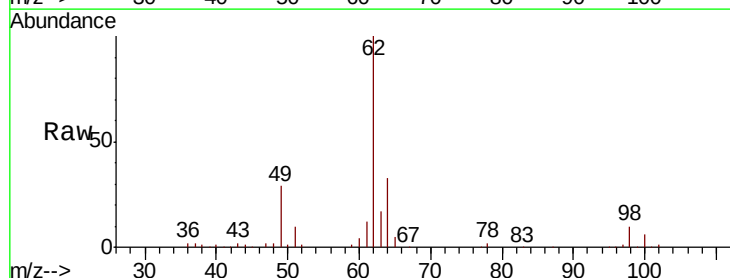
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

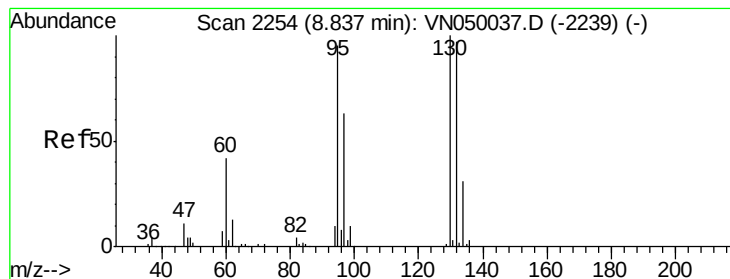
Tot Ion: 41 Resp: 57008
Ion Ratio Lower Upper
41 100
39 54.3 27.6 82.7
67 67.0 35.1 105.5
52 23.9 14.1 42.4



#36
1,2-Dichloroethane
Concen: 18.18 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 62 Resp: 176309
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.6





#37

Trichloroethene

Concen: 20.00 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

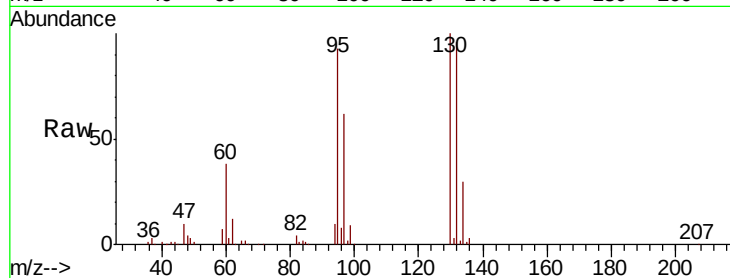
VSTDCCC020

Tot Ion:130 Resp: 154980

Ion Ratio Lower Upper

130 100

95 92.6 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

80000

60000

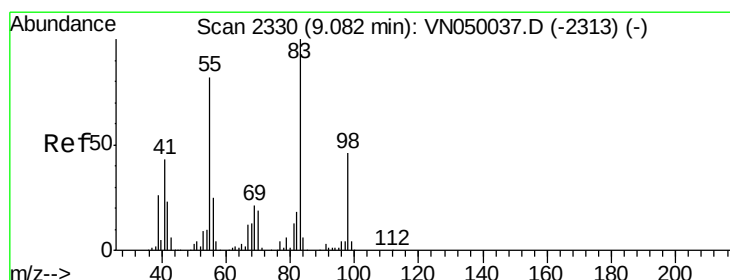
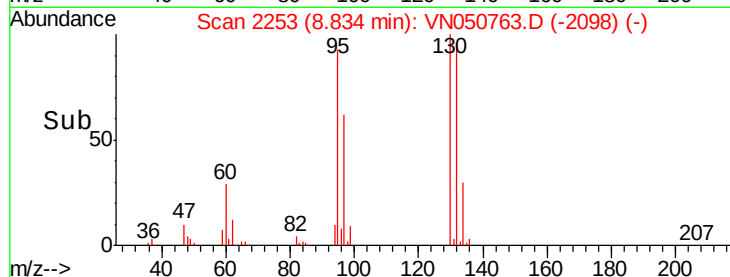
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.58 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

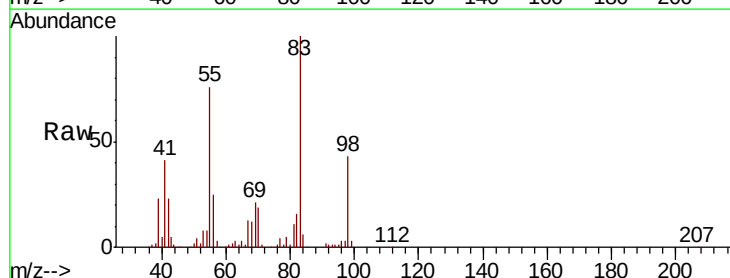
Tgt Ion: 83 Resp: 200833

Ion Ratio Lower Upper

83 100

55 77.8 39.3 117.8

98 44.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

120000

100000

80000

60000

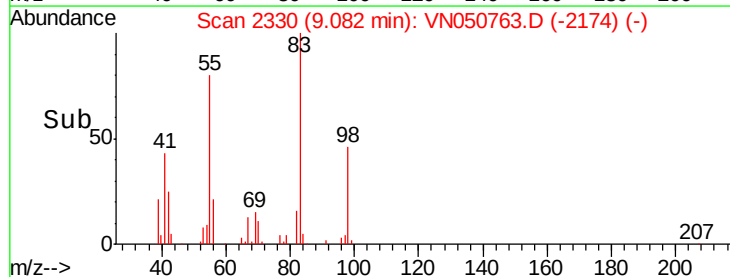
40000

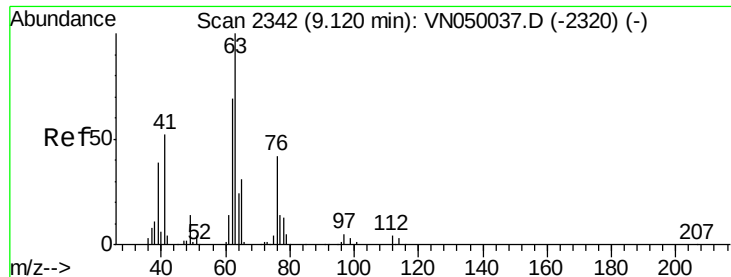
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 20.43 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

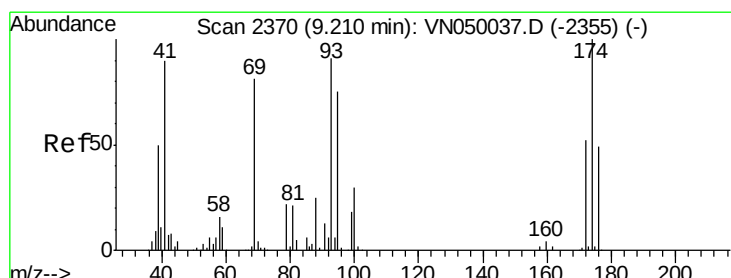
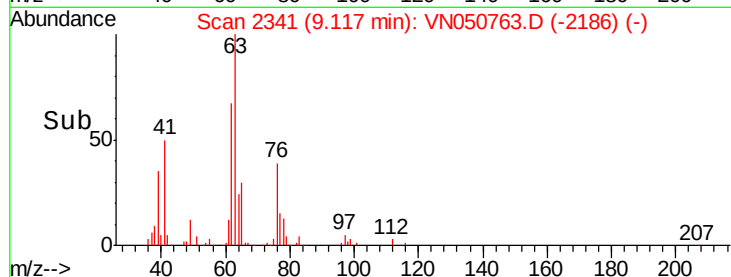
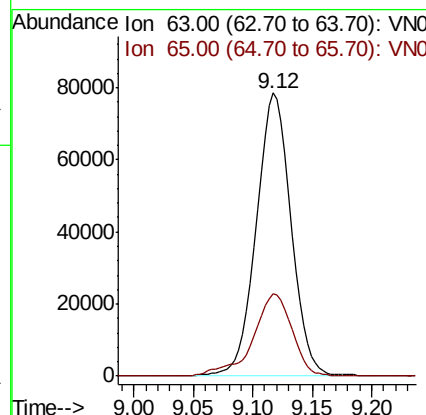
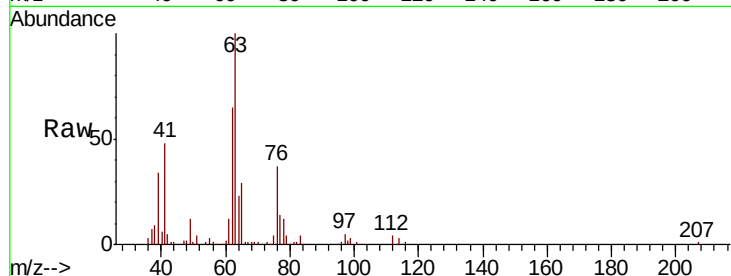
VSTDCCC020

Tot Ion: 63 Resp: 159005

Ion Ratio Lower Upper

63 100

65 28.7 24.2 36.2



#40

Dibromomethane

Concen: 18.64 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

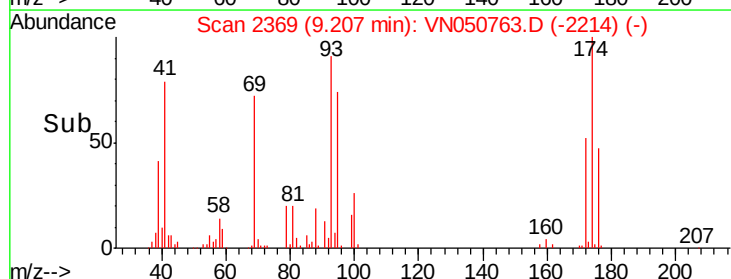
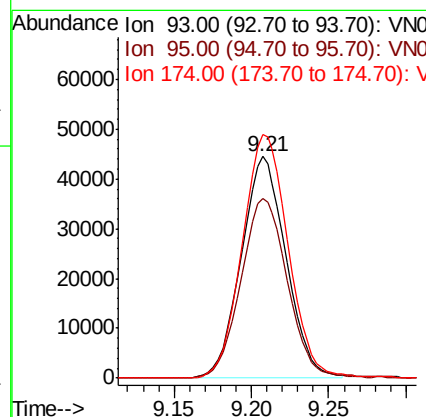
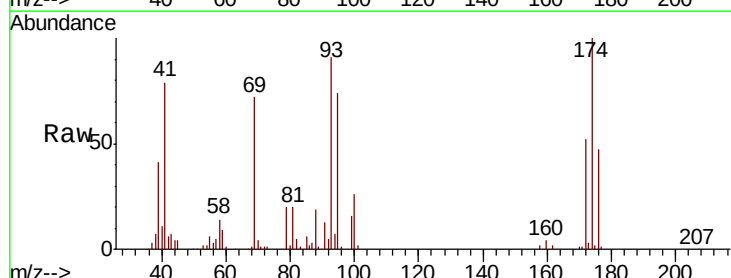
Tgt Ion: 93 Resp: 89636

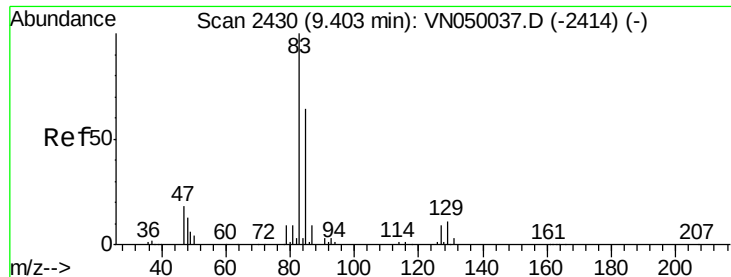
Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.6

174 112.7 0.0 223.2





#41

Bromodichloromethane

Concen: 19.33 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

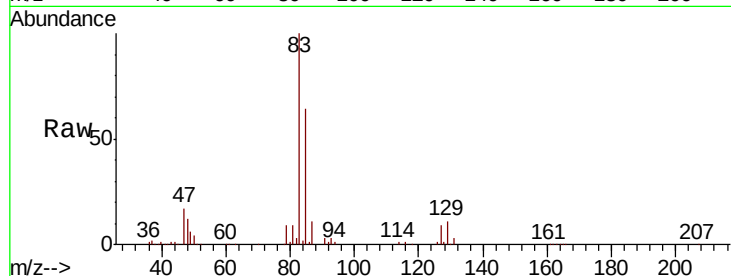
Tot Ion: 83 Resp: 196117

Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8

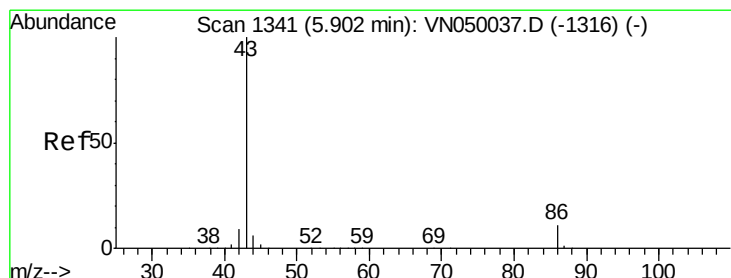
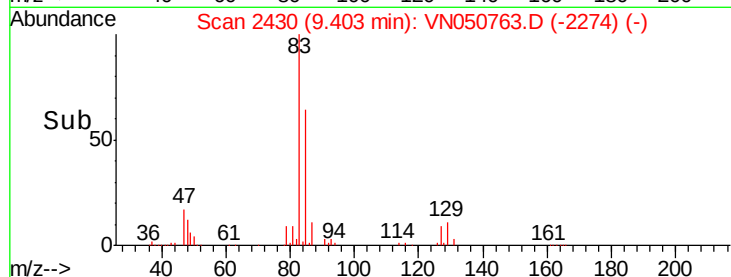
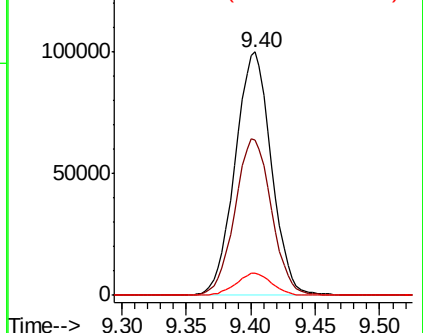
127 9.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 88.92 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050763.D

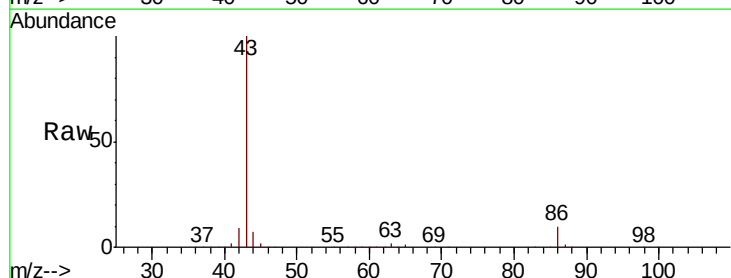
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 1277289

Ion Ratio Lower Upper

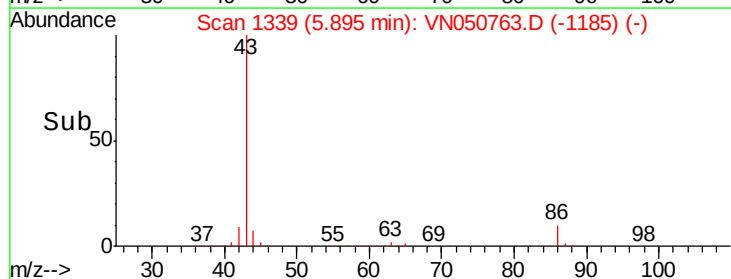
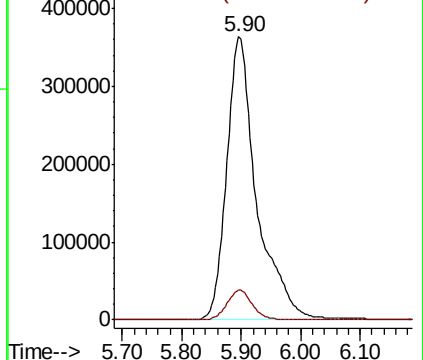
43 100

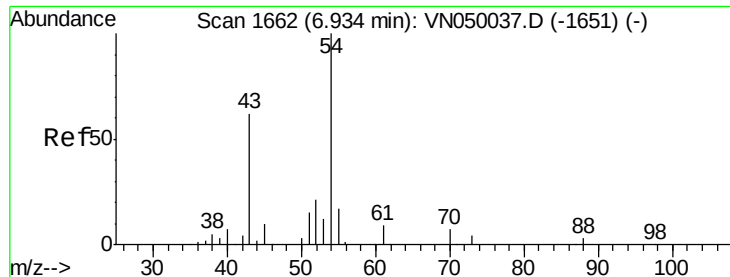
86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

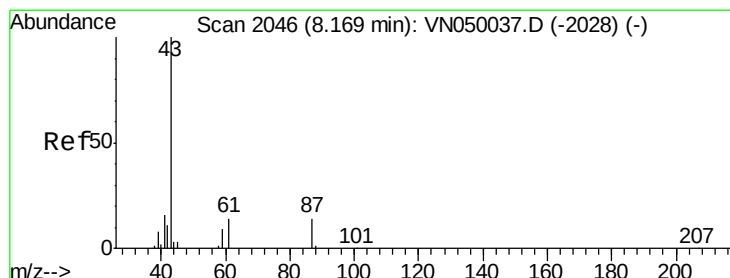
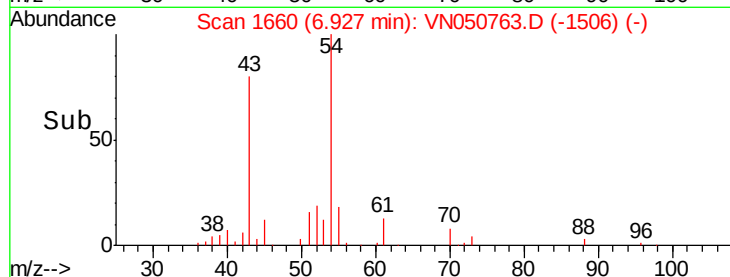
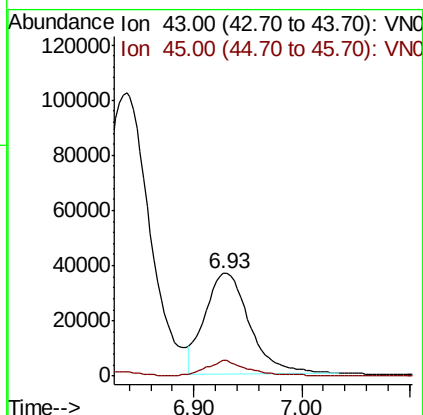
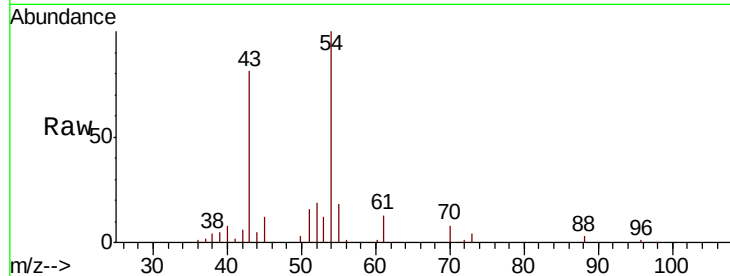




#43
Ethyl Acetate
Concen: 16.59 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

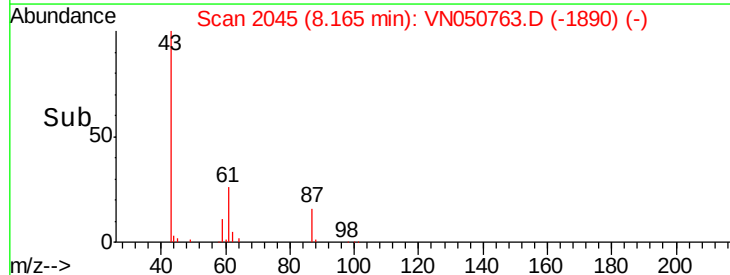
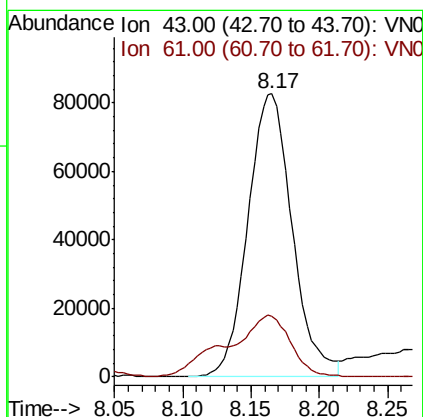
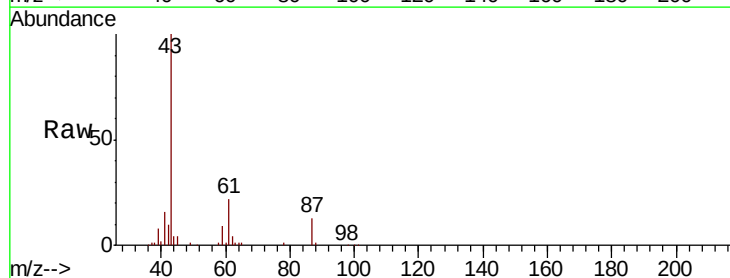
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

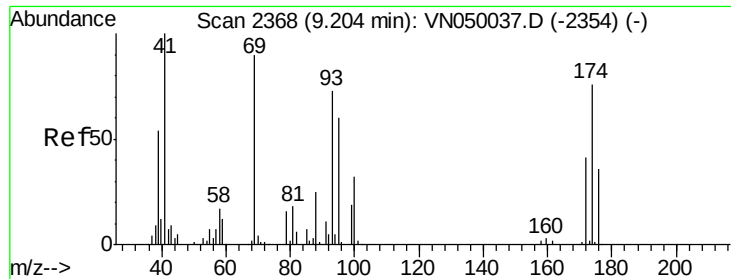
Tot Ion: 43 Resp: 105714
Ion Ratio Lower Upper
43 100
45 12.2 13.0 19.6#



#44
Isopropyl Acetate
Concen: 15.71 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 185513
Ion Ratio Lower Upper
43 100
61 19.6 16.4 24.6

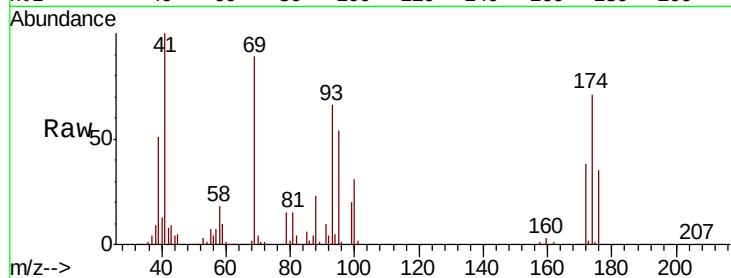




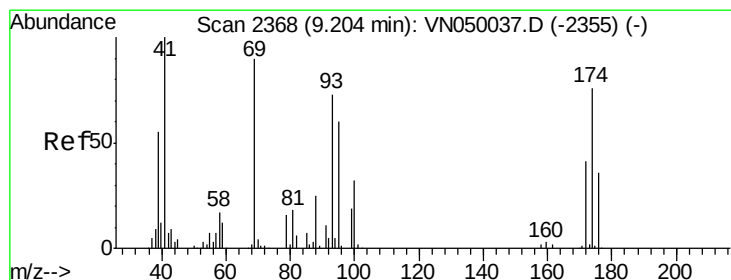
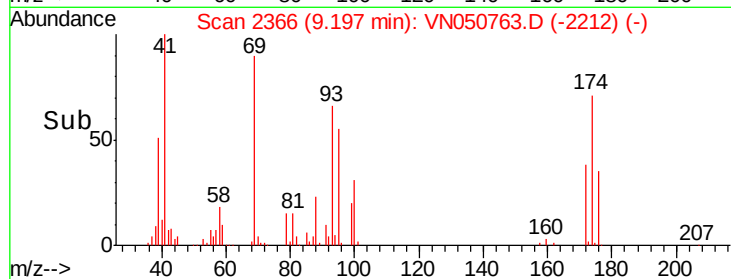
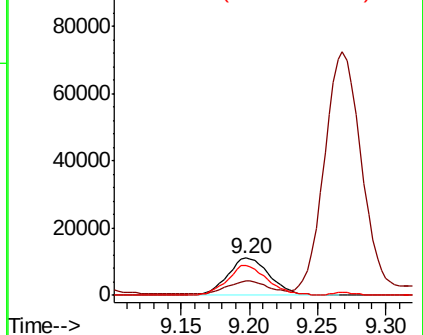
#45
 1,4-Dioxane
 Concen: 305.73 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 23755
 Ion Ratio Lower Upper
 88 100
 43 32.9 26.9 40.3
 58 76.3 53.6 80.4

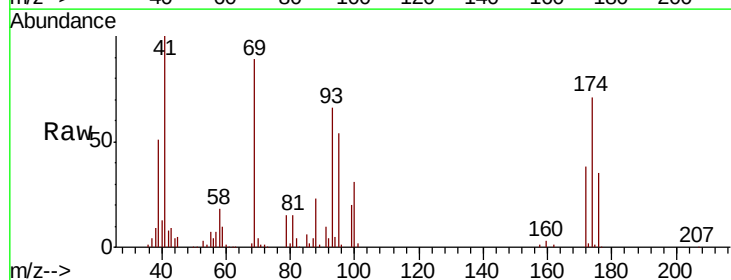


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

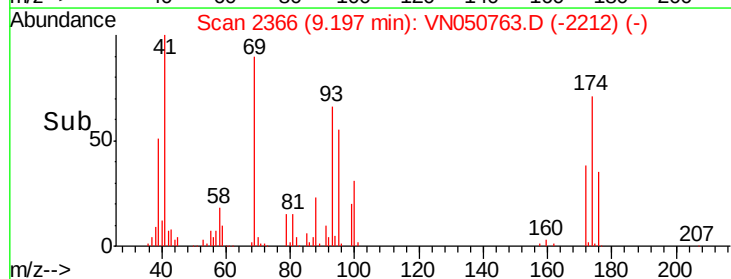
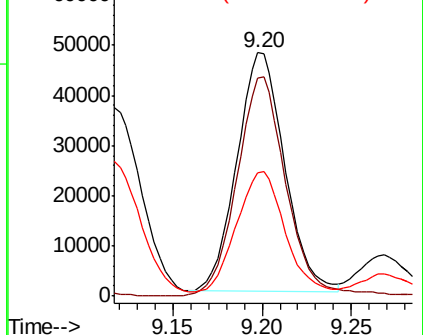


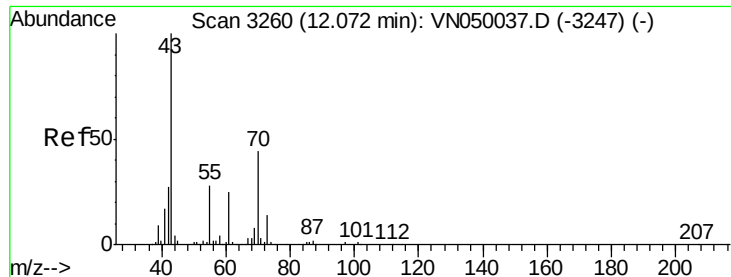
#46
 Methyl methacrylate
 Concen: 15.65 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 41 Resp: 89571
 Ion Ratio Lower Upper
 41 100
 69 90.7 44.0 132.1
 39 50.2 27.0 80.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 15.91 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

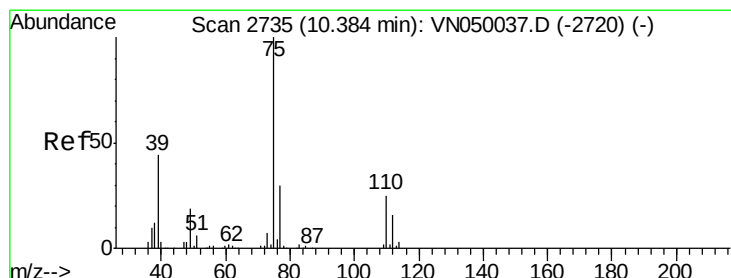
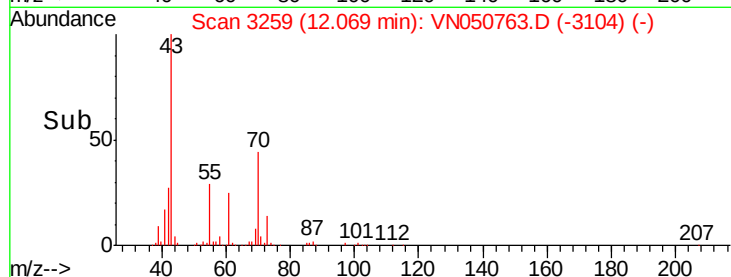
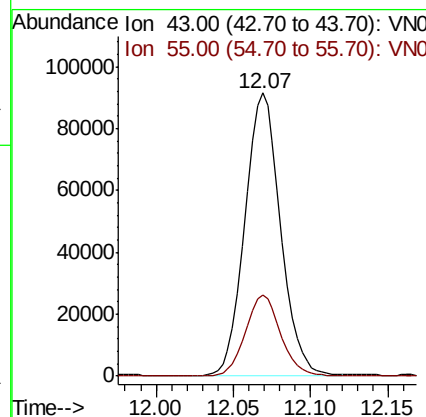
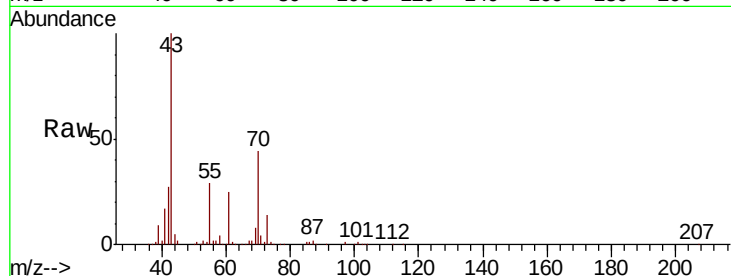
VSTDCCC020

Tot Ion: 43 Resp: 146149

Ion Ratio Lower Upper

43 100

55 28.5 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 18.84 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050763.D

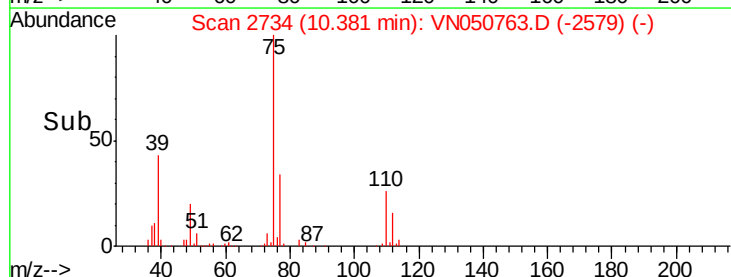
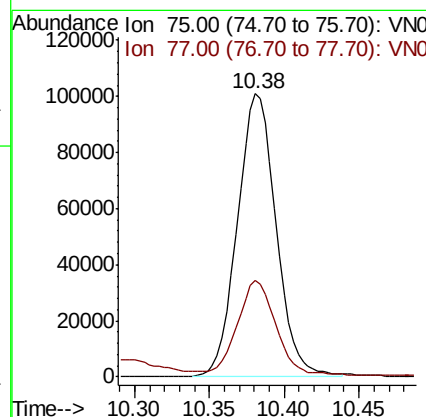
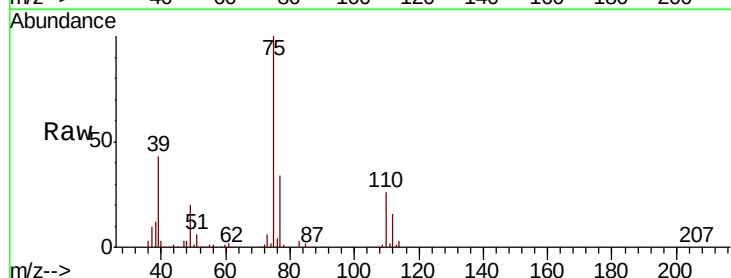
Acq: 20 Aug 2018 10:16

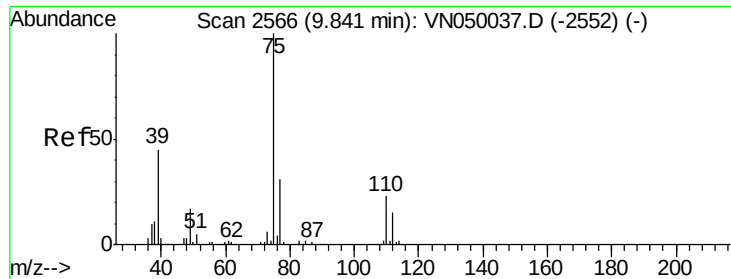
Tgt Ion: 75 Resp: 182218

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

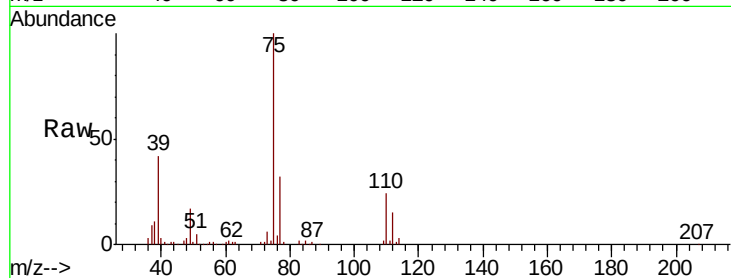
Tot Ion: 75 Resp: 221357

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 41.5 36.3 54.5

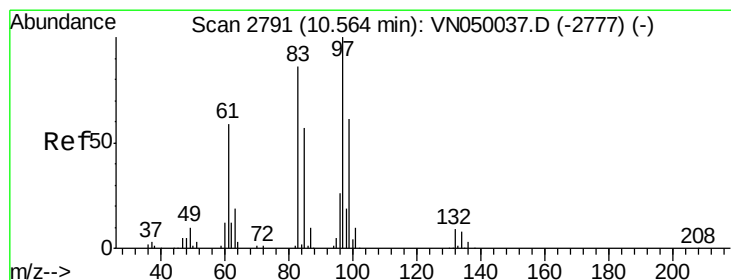
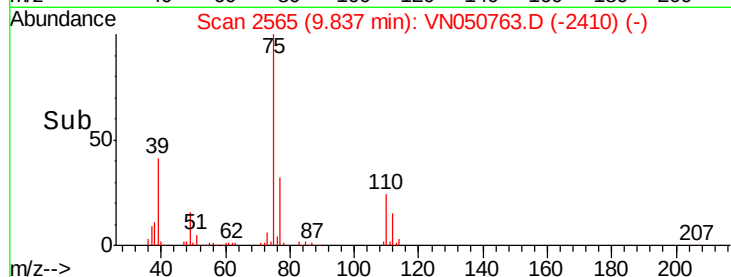
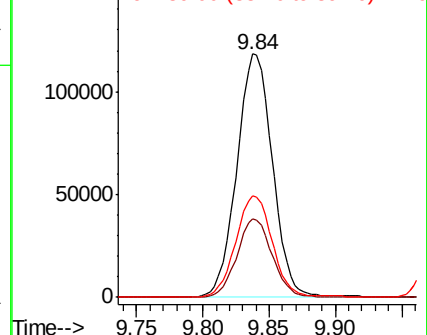


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 18.96 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion: 97 Resp: 130892

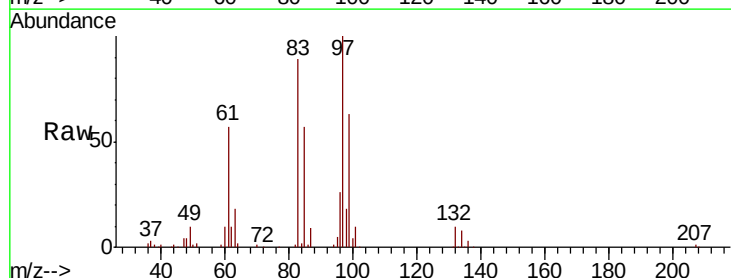
Ion Ratio Lower Upper

97 100

83 89.1 68.1 102.1

85 56.6 45.4 68.2

99 62.7 49.4 74.0



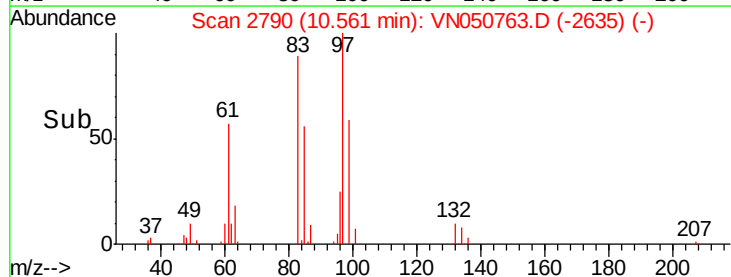
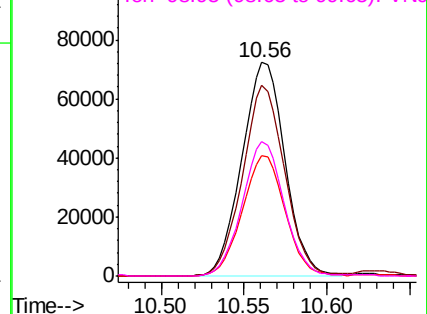
Abundance

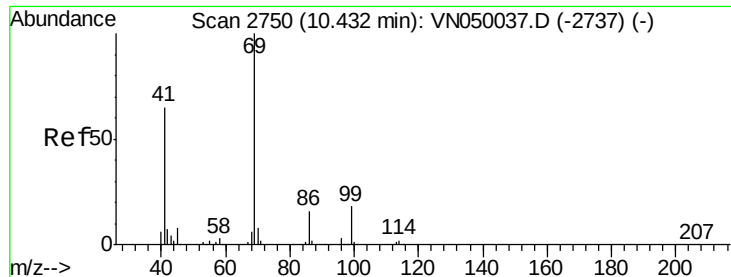
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 16.72 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

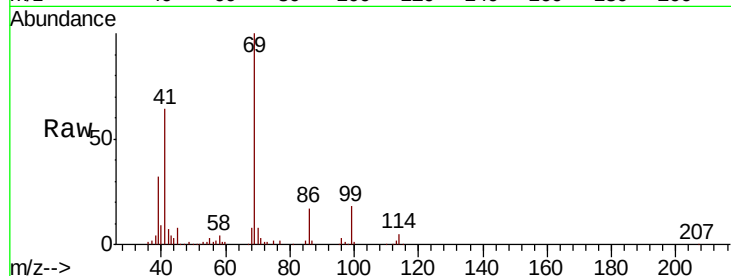
MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 69 Resp: 140109

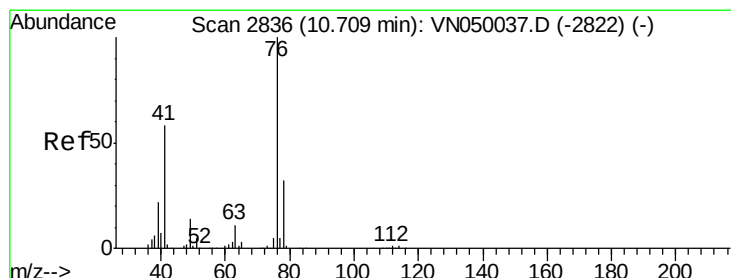
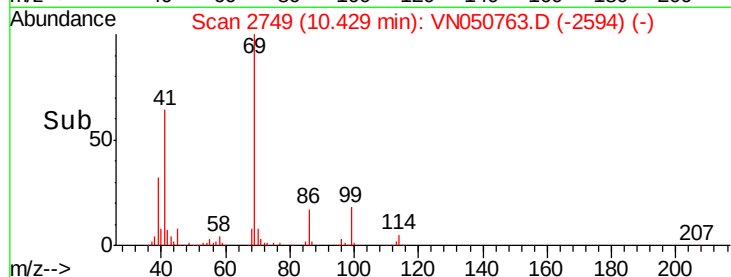
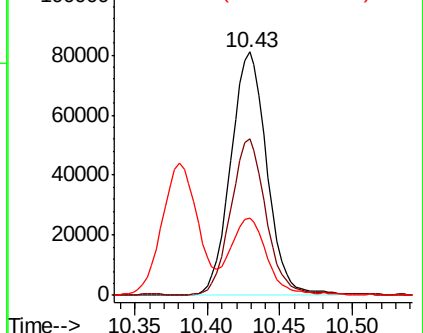
Ion	Ratio	Lower	Upper
69	100		
41	64.0	31.9	95.9
39	31.3	16.7	50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.14 ug/l

RT: 10.71 min Scan# 2835

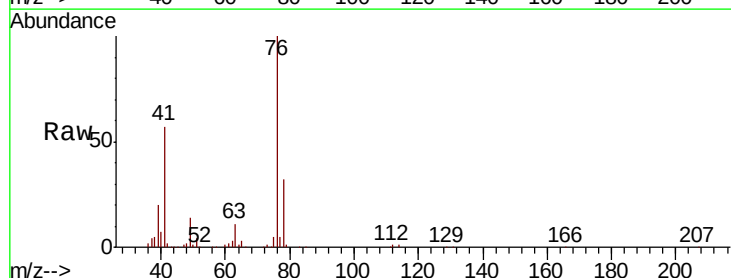
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

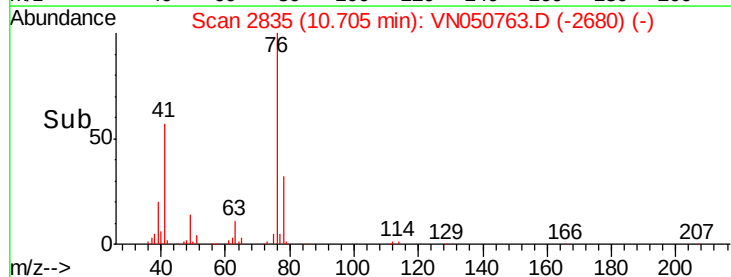
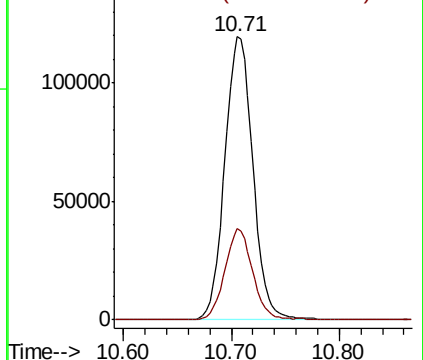
Tgt Ion: 76 Resp: 217026

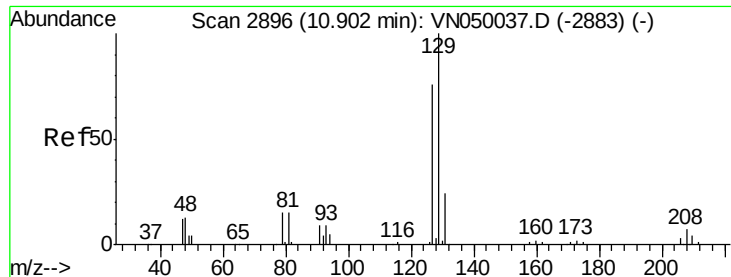
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

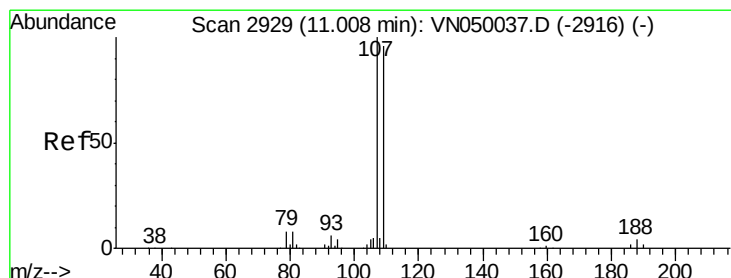
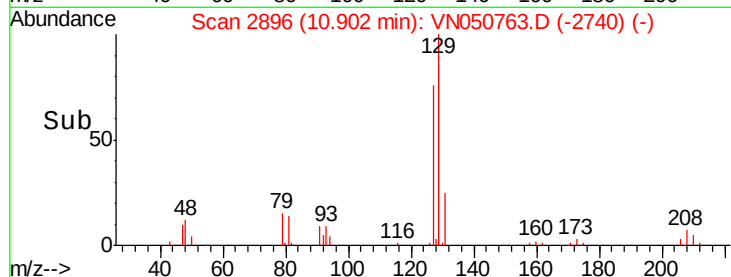
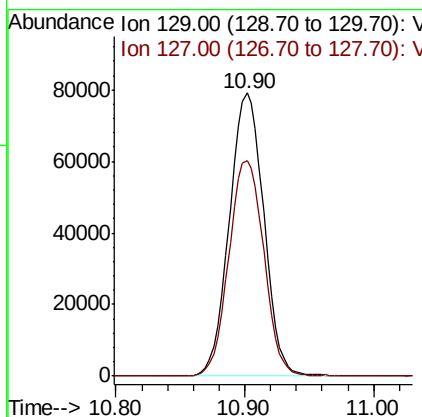
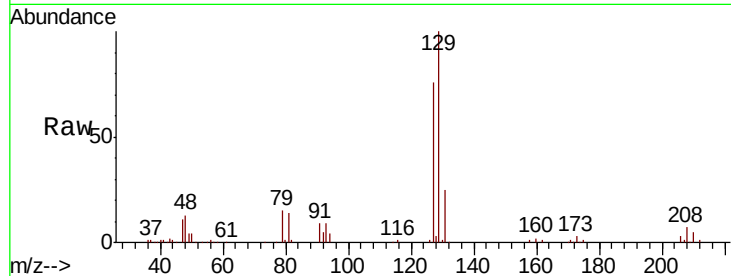




#53
 Dibromochloromethane
 Concen: 18.78 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

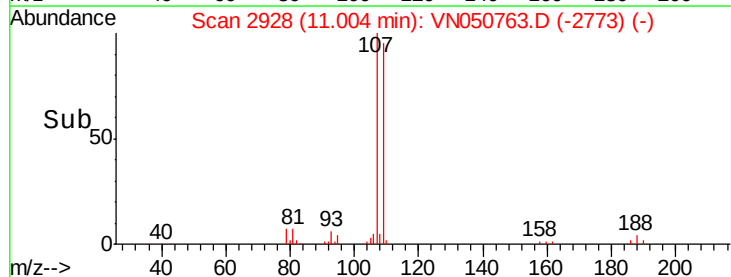
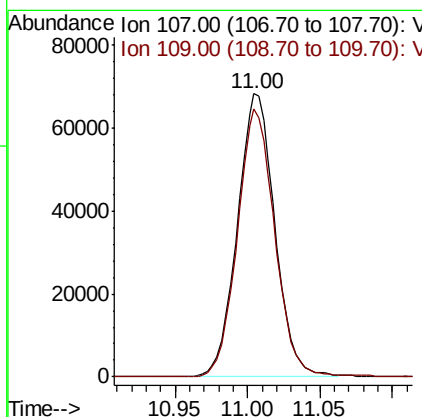
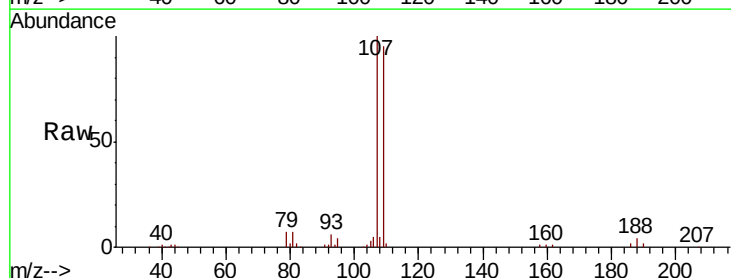
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

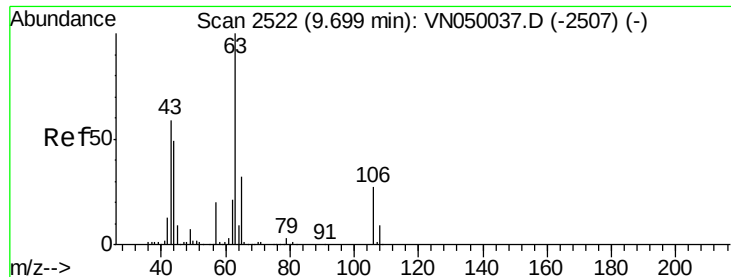
Tot Ion:129 Resp: 147117
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 18.07 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:107 Resp: 122170
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.2 114.2

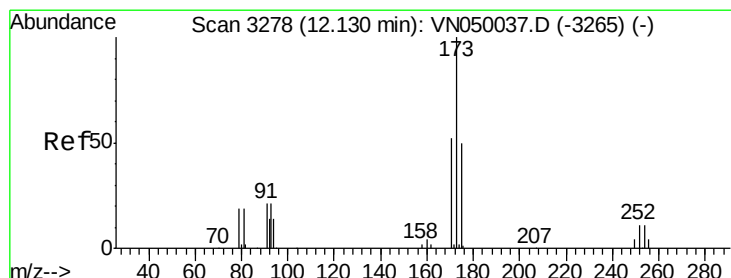
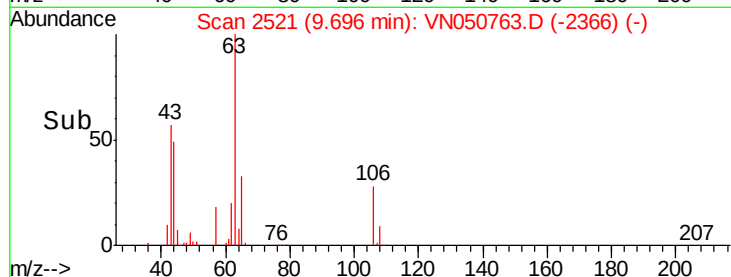
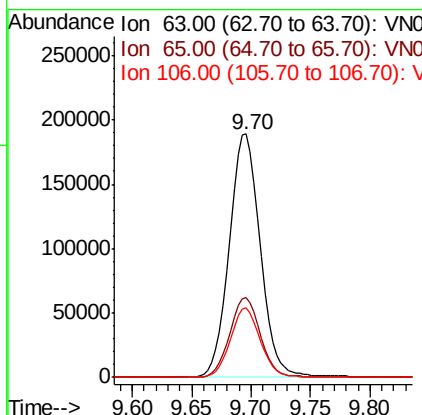
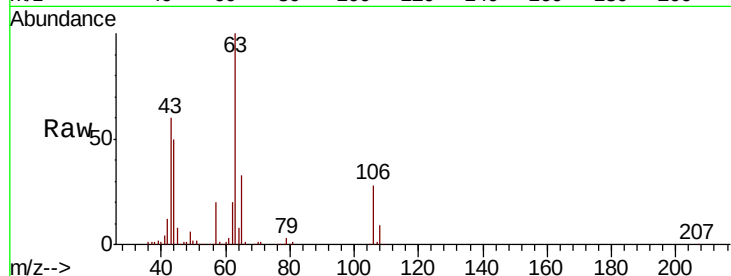




#55
2-Chloroethyl vinyl ether
Concen: 90.30 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

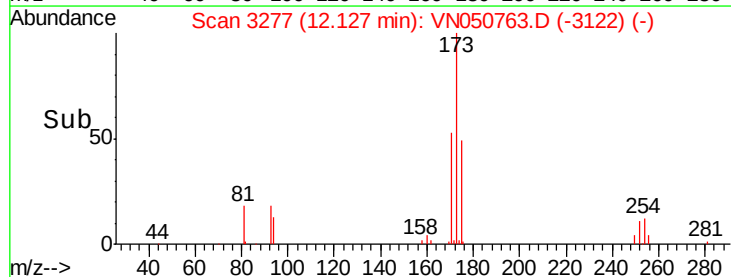
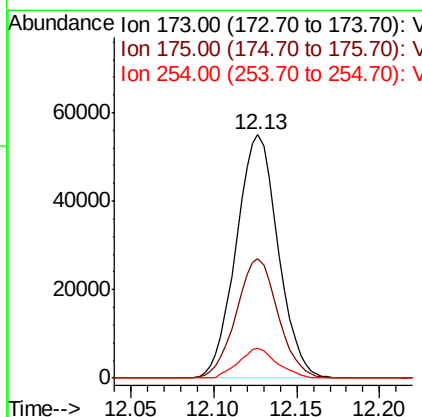
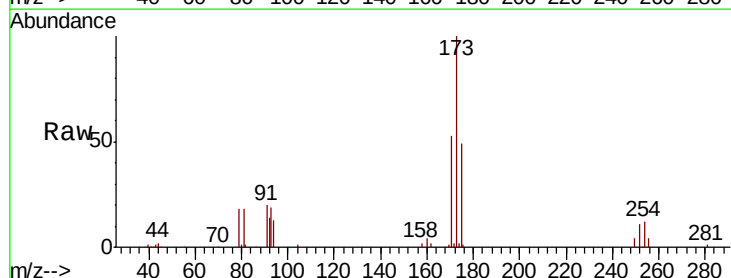
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

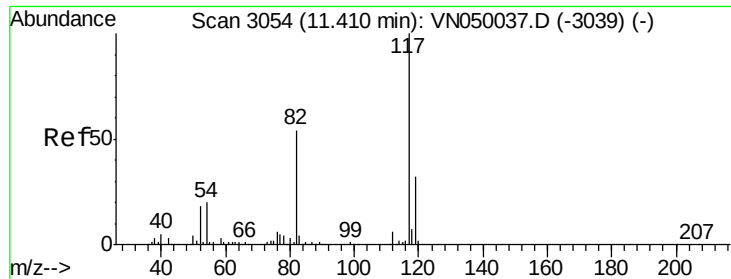
Tot Ion: 63 Resp: 342450
Ion Ratio Lower Upper
63 100
65 32.4 25.5 38.3
106 27.5 21.8 32.6



#56
Bromoform
Concen: 17.48 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 173 Resp: 96683
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
254 11.0 8.8 13.2

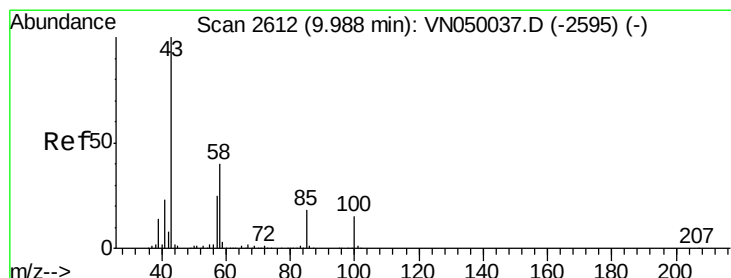
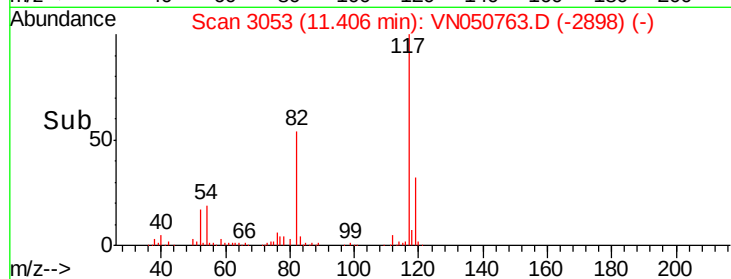
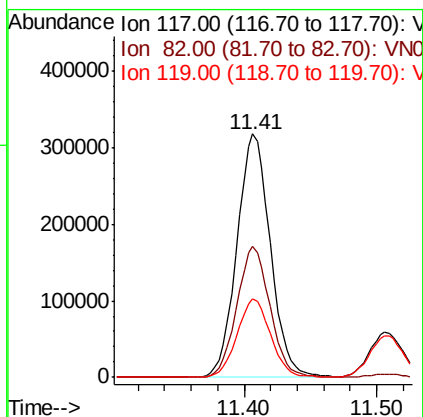
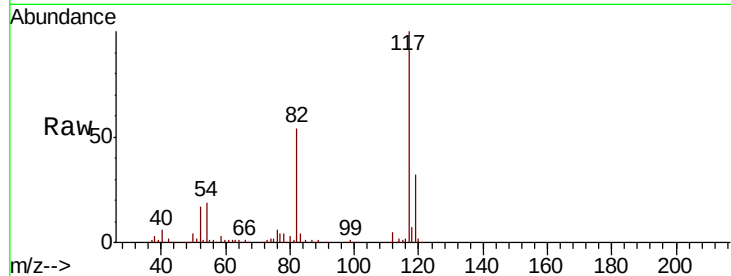




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

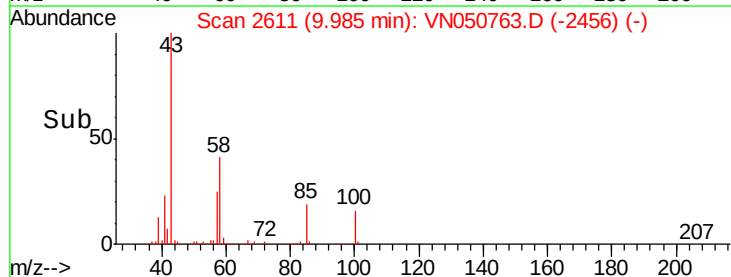
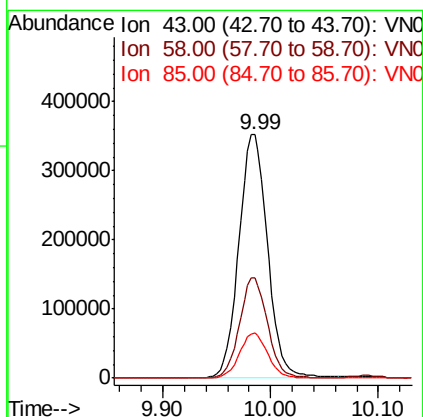
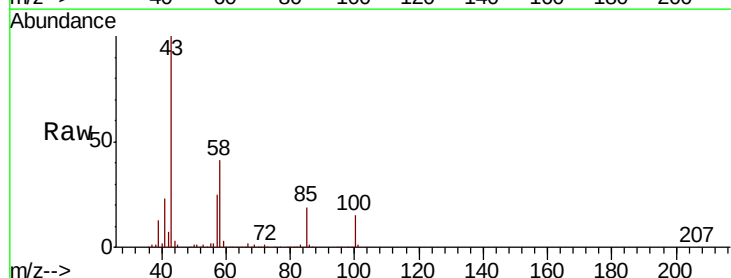
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

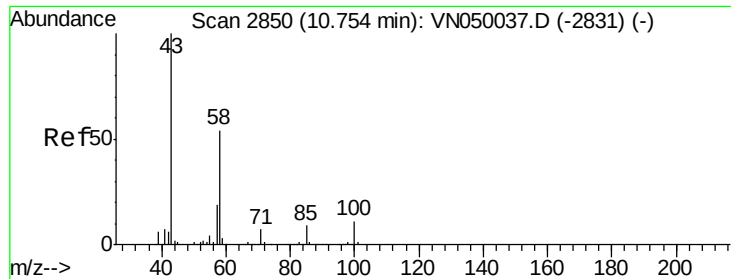
Tot Ion:117 Resp: 556650
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 32.3 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 100.72 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 652394
Ion Ratio Lower Upper
43 100
58 40.2 31.2 46.8
85 18.2 14.4 21.6

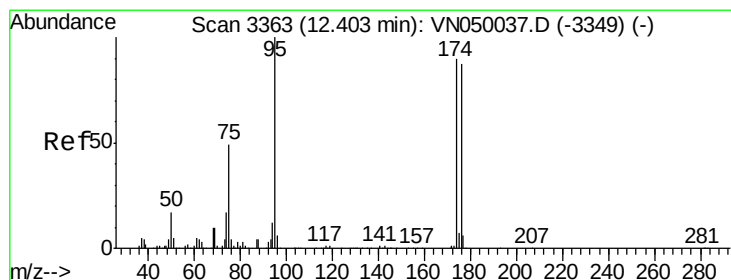
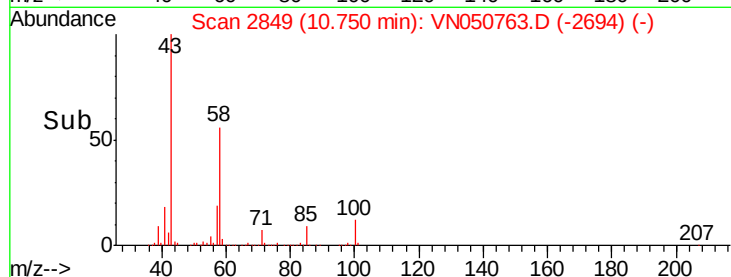
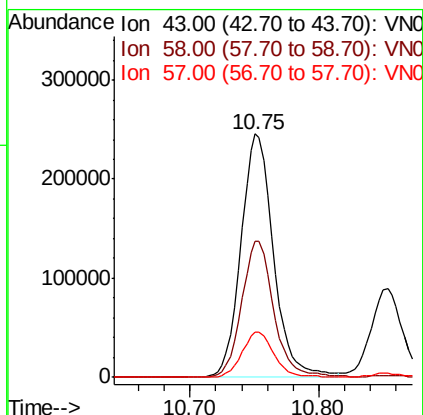
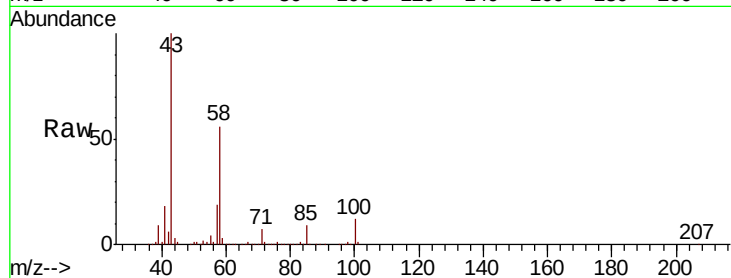




#59
2-Hexanone
Concen: 97.15 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

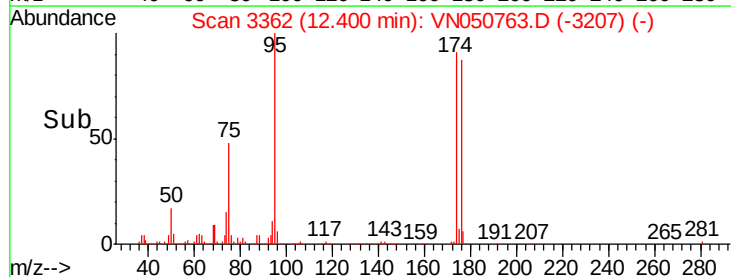
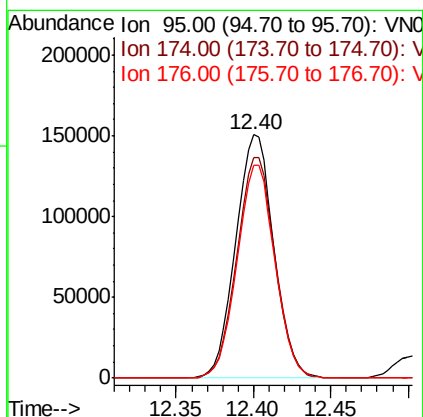
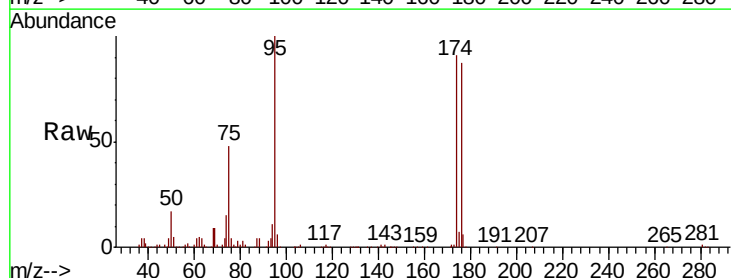
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

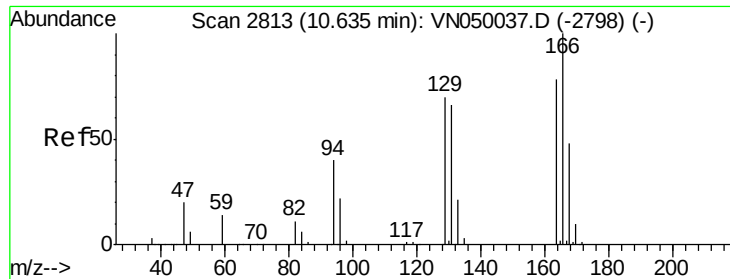
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.8	65.8
57	18.5	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 30.07 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	72.3	108.5
176	87.1	70.0	105.0





#61

Tetrachloroethene

Concen: 18.68 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 140812

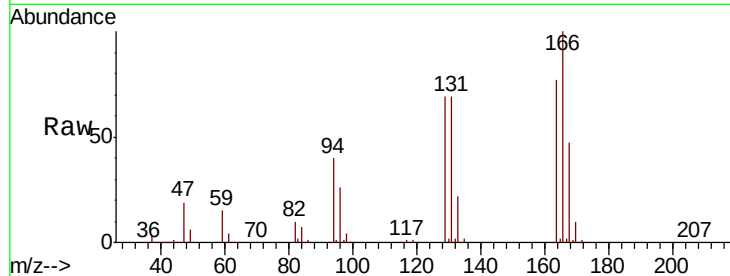
Ion Ratio Lower Upper

164 100

166 130.3 100.0 150.0

129 90.0 69.3 103.9

131 89.5 68.8 103.2

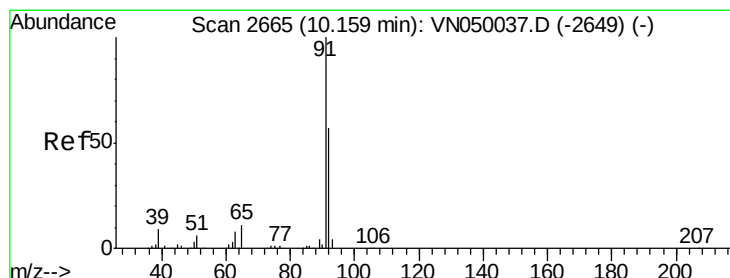
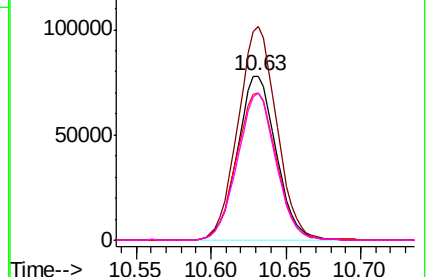
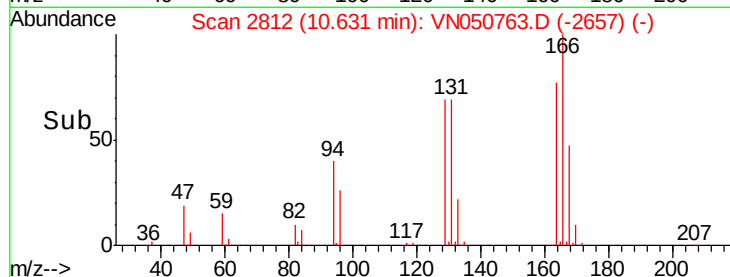


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.87 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050763.D

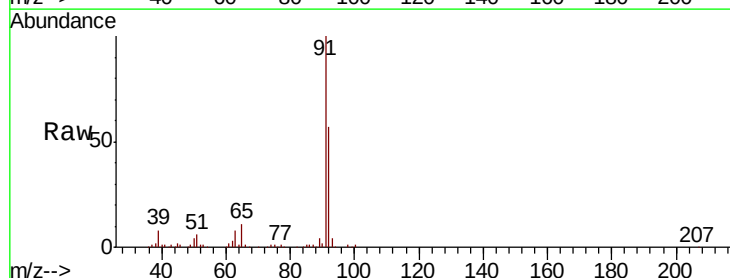
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 631182

Ion Ratio Lower Upper

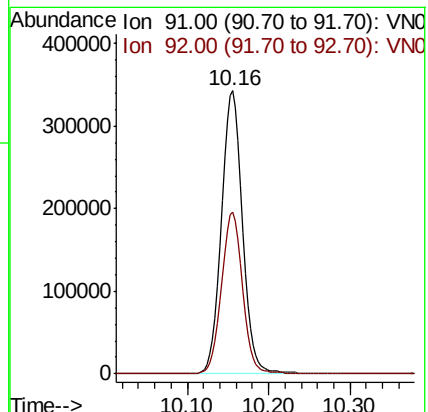
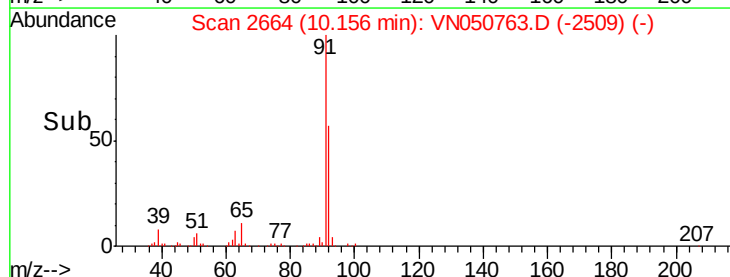
91 100

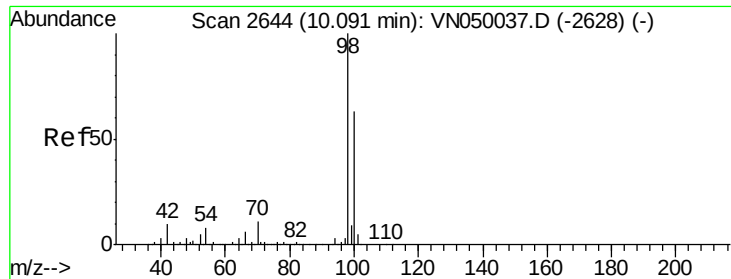
92 57.3 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.96 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

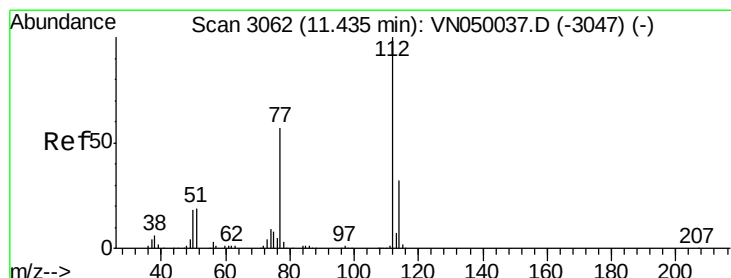
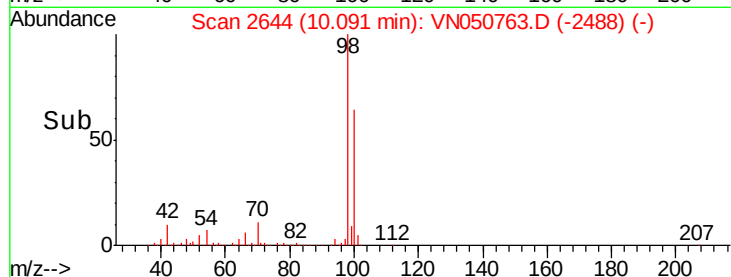
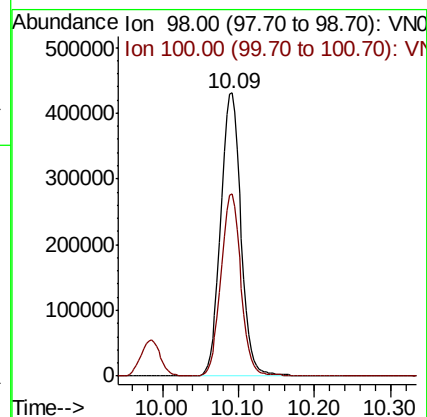
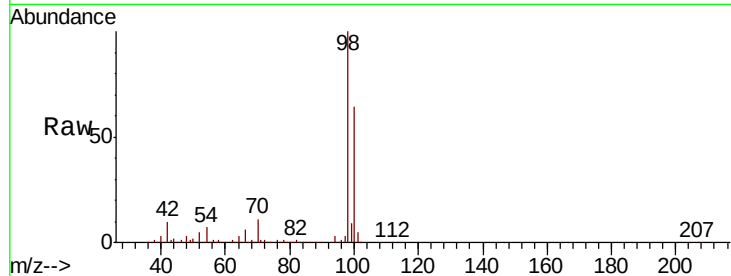
VSTDCCC020

Tot Ion: 98 Resp: 796622

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



#64

Chlorobenzene

Concen: 20.33 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050763.D

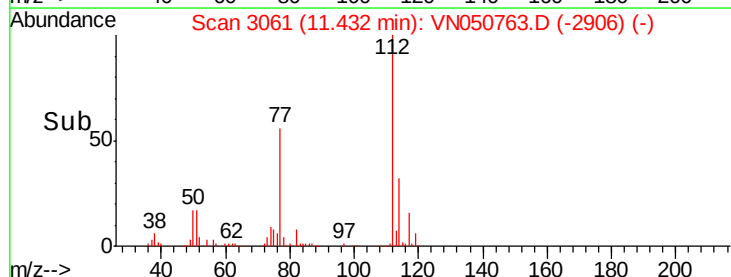
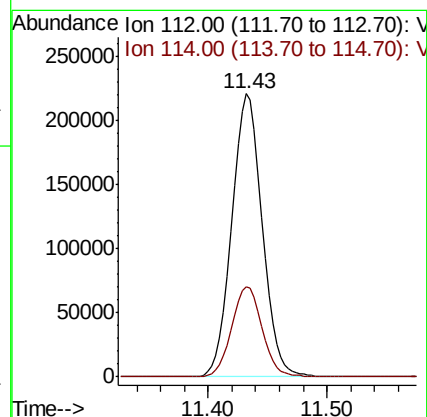
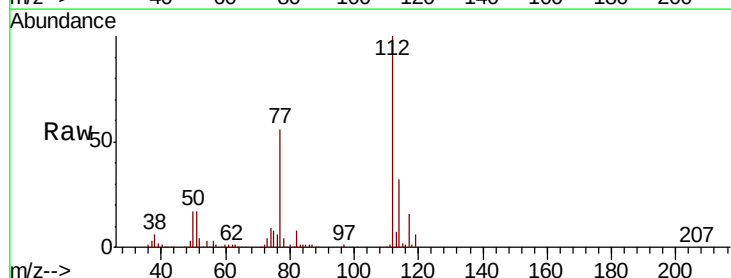
Acq: 20 Aug 2018 10:16

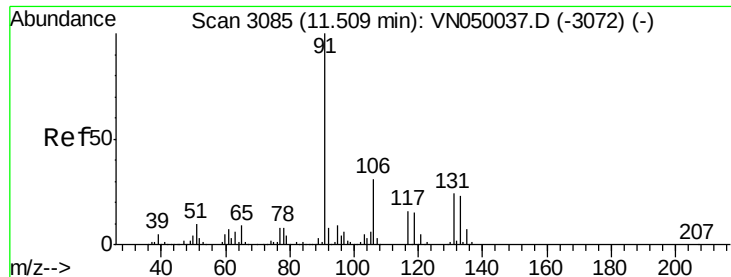
Tgt Ion: 112 Resp: 391434

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.62 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

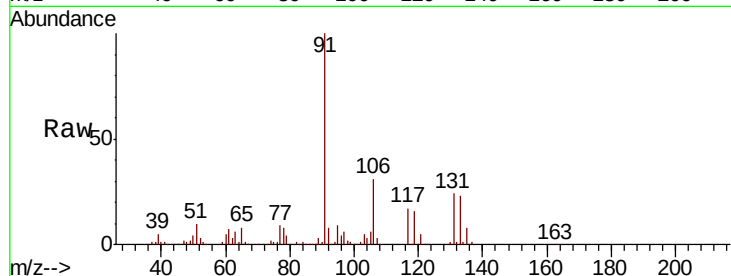
Tot Ion:131 Resp: 147347

Ion Ratio Lower Upper

131 100

133 96.2 0.0 190.0

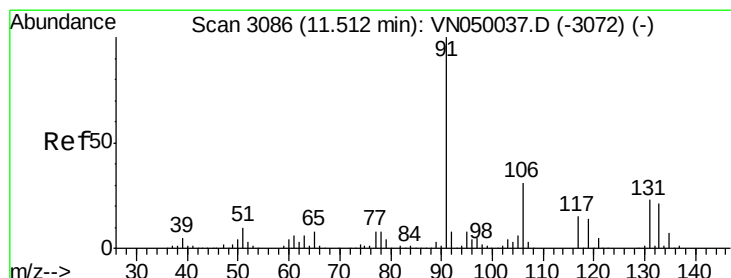
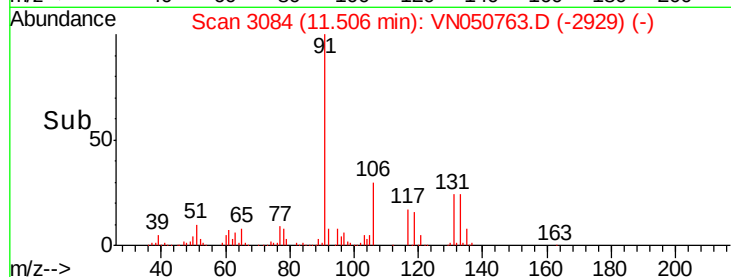
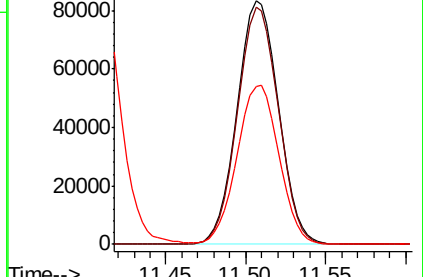
119 66.3 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.69 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050763.D

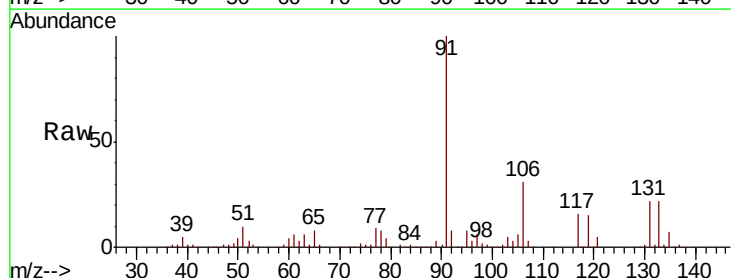
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 639084

Ion Ratio Lower Upper

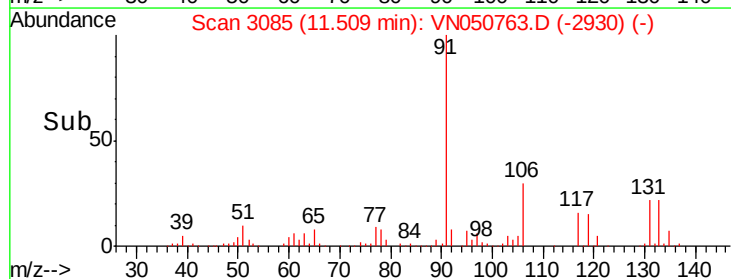
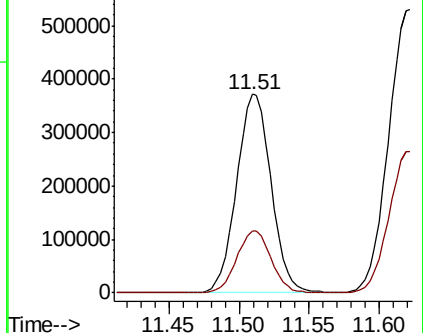
91 100

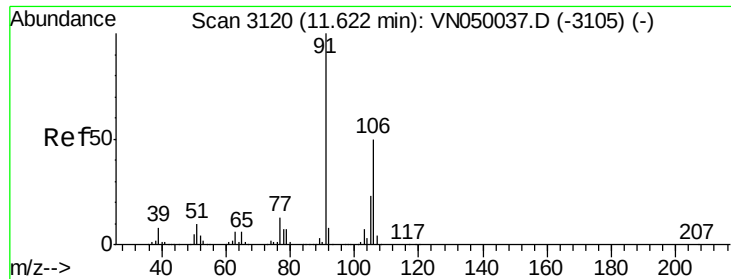
106 30.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

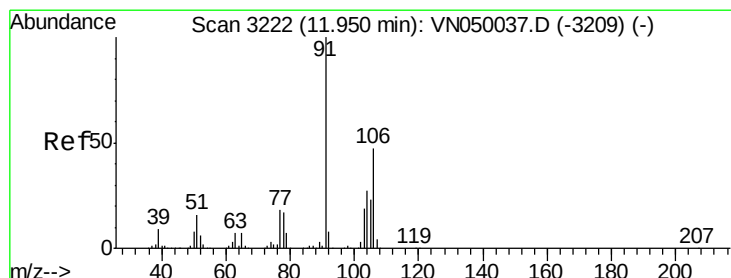
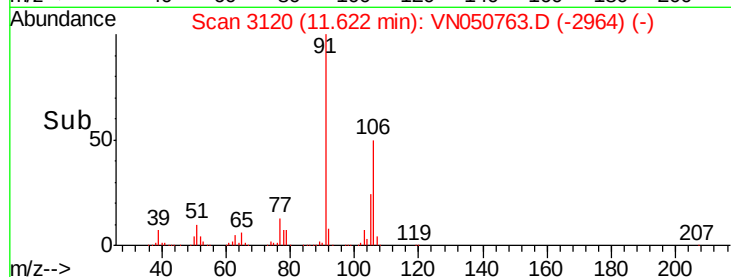
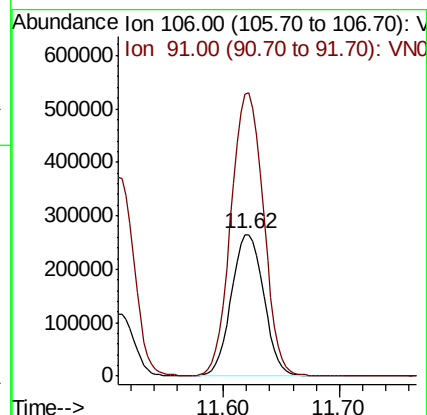
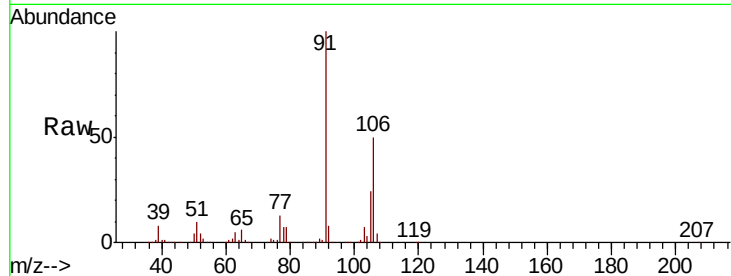




#67
m/p-Xylenes
Concen: 41.14 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

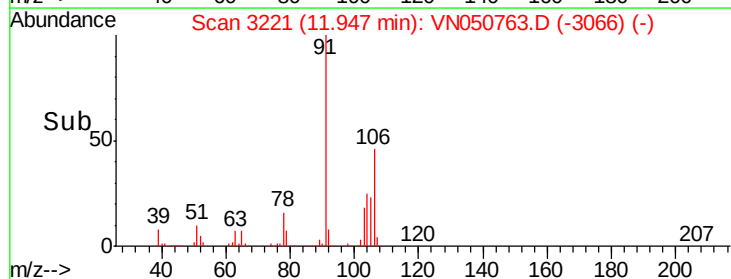
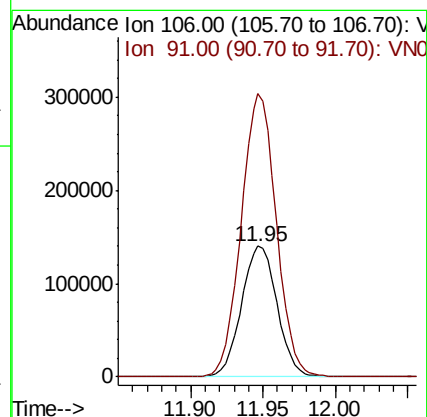
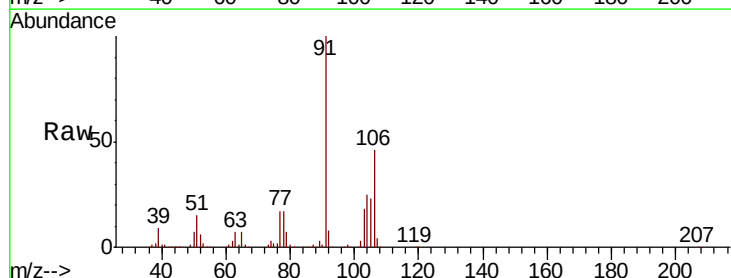
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

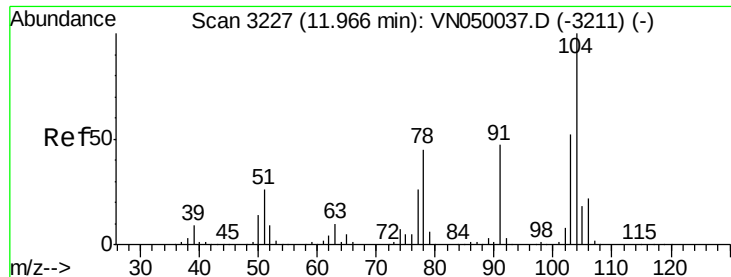
Tot Ion:106 Resp: 513844
Ion Ratio Lower Upper
106 100
91 201.3 162.5 243.7



#68
o-Xylene
Concen: 20.13 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion:106 Resp: 239212
Ion Ratio Lower Upper
106 100
91 213.0 106.8 320.4

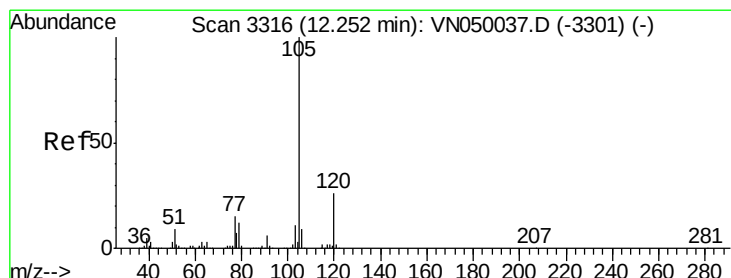
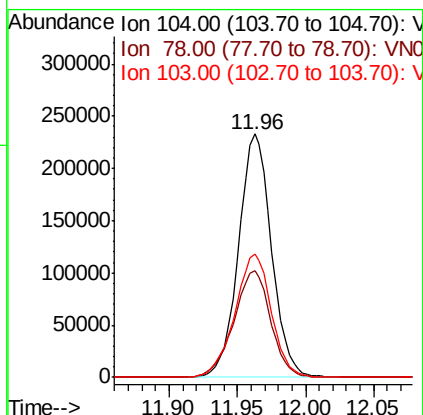
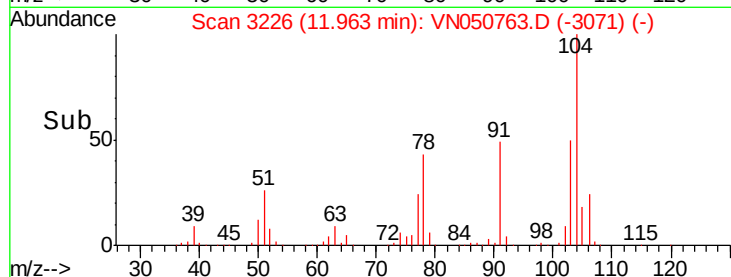
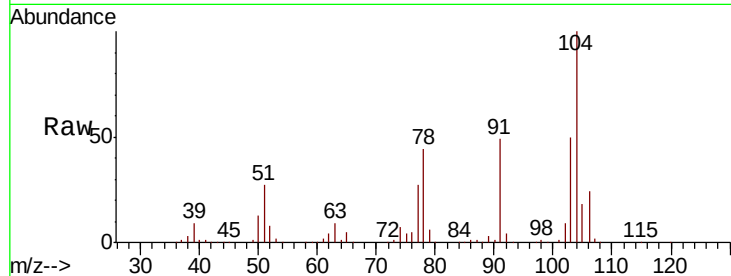




#69
Stvrene
Concen: 20.51 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

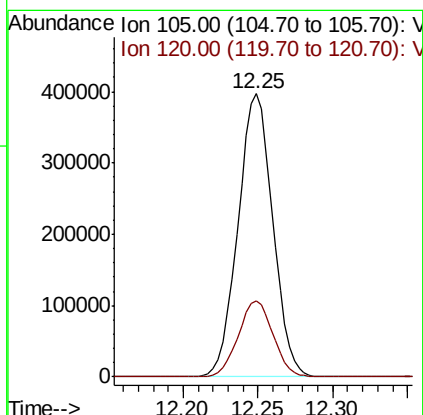
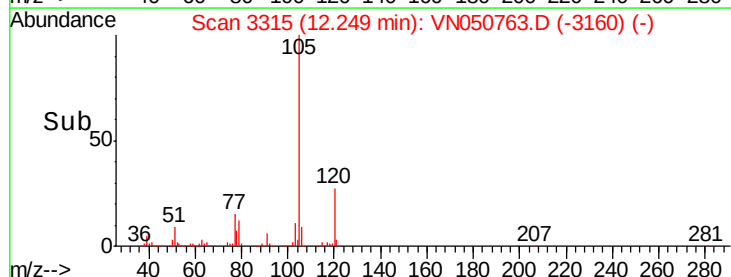
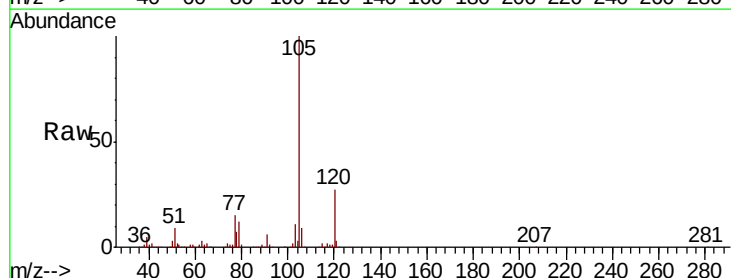
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

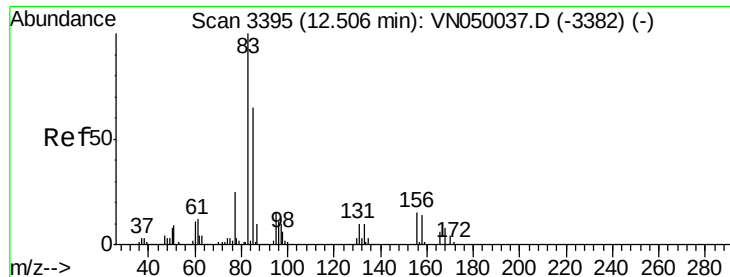
Tot Ion:104 Resp: 390792
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 55.8 44.5 66.7



#70
Isopropylbenzene
Concen: 20.24 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion:105 Resp: 640562
Ion Ratio Lower Upper
105 100
120 27.0 18.9 35.1

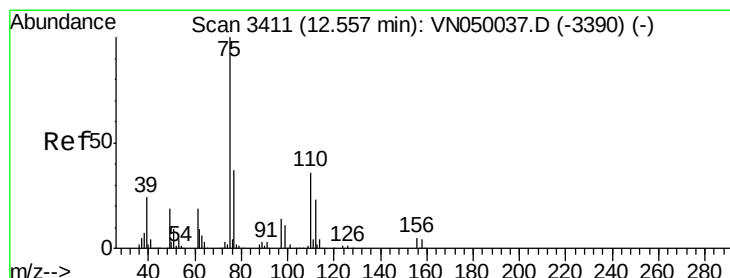
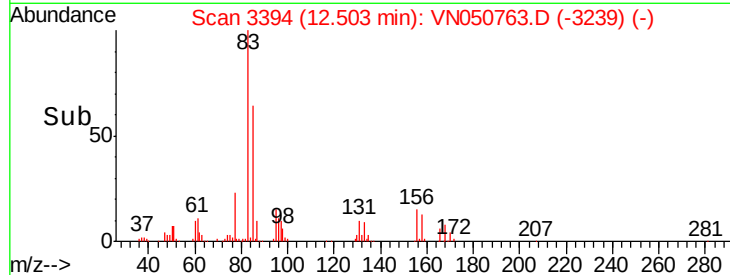
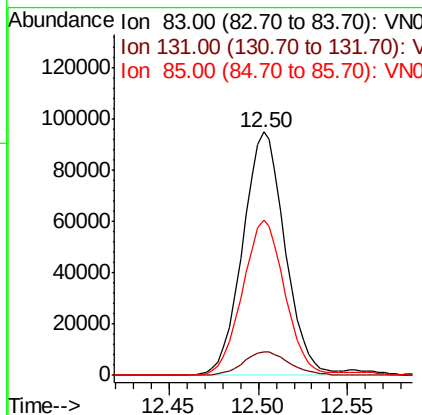
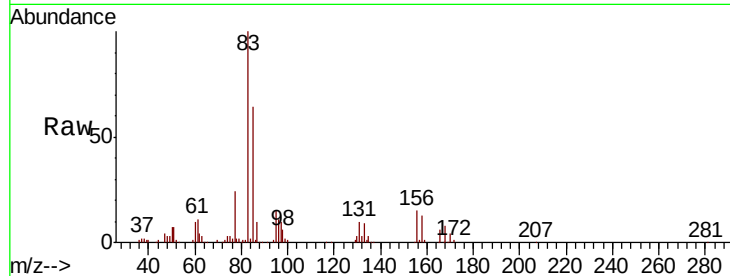




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.13 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

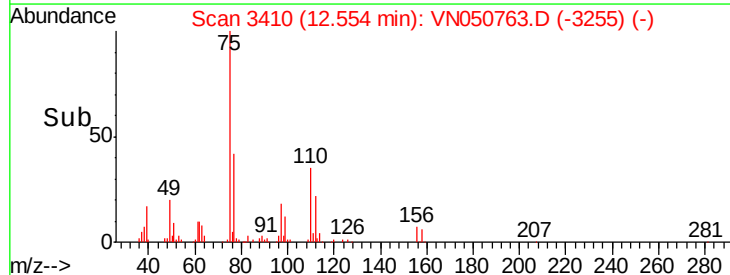
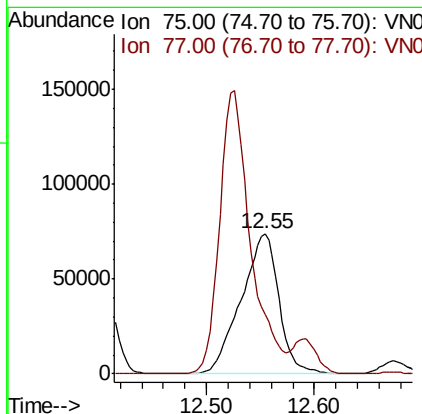
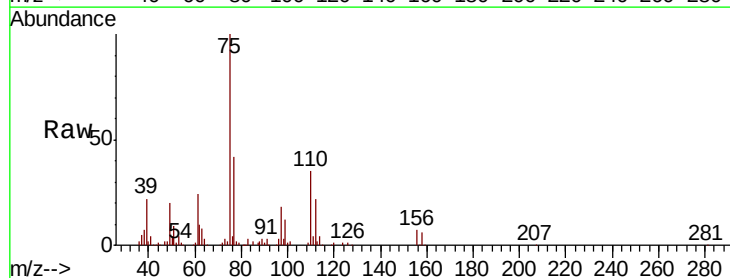
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

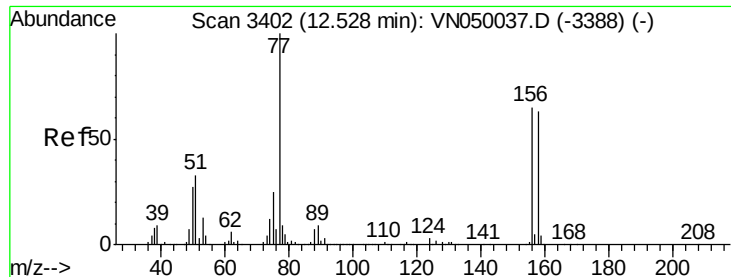
Tot Ion: 83 Resp: 157561
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.2 15.6
 85 63.8 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 24.29 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 75 Resp: 180276
 Ion Ratio Lower Upper
 75 100
 77 164.6 0.0 454.4





#73

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

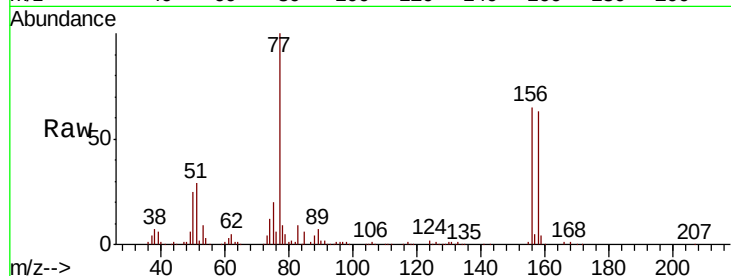
Tot Ion:156 Resp: 167813

Ion Ratio Lower Upper

156 100

77 176.8 0.0 359.8

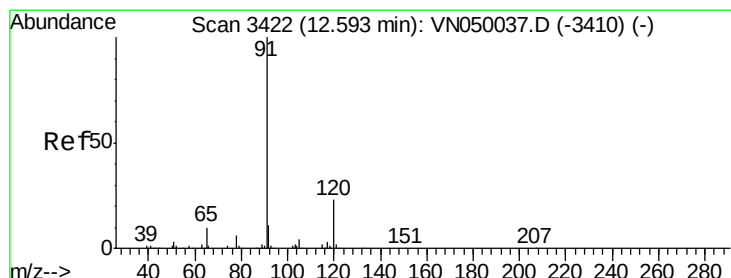
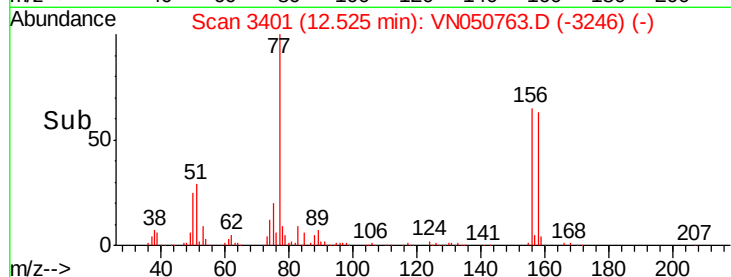
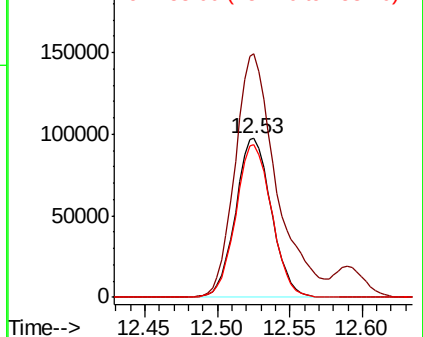
158 96.0 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.26 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050763.D

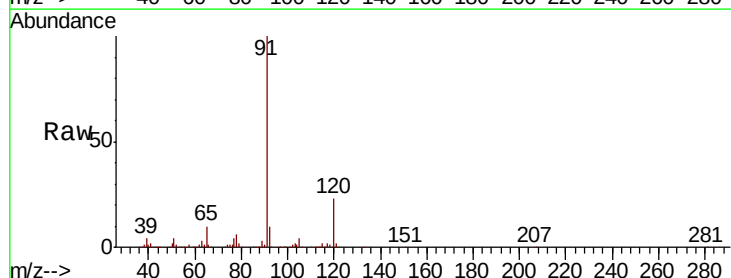
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 746865

Ion Ratio Lower Upper

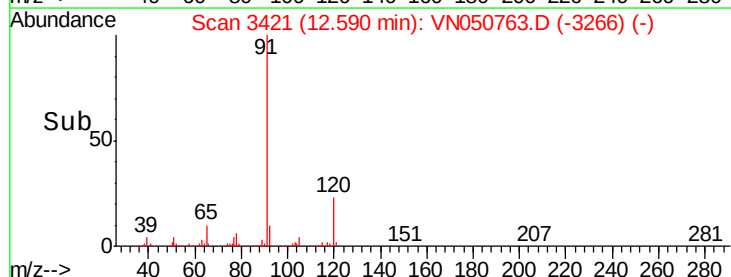
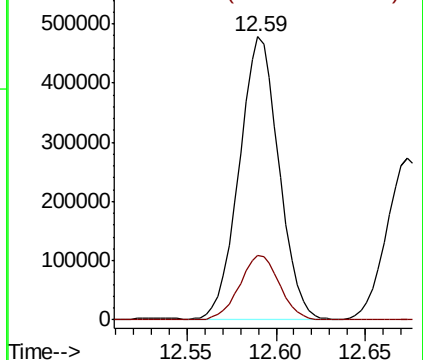
91 100

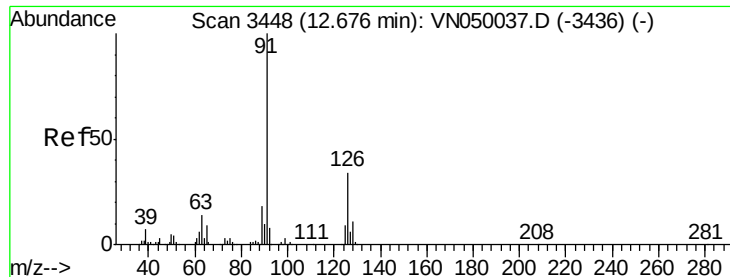
120 22.8 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.40 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

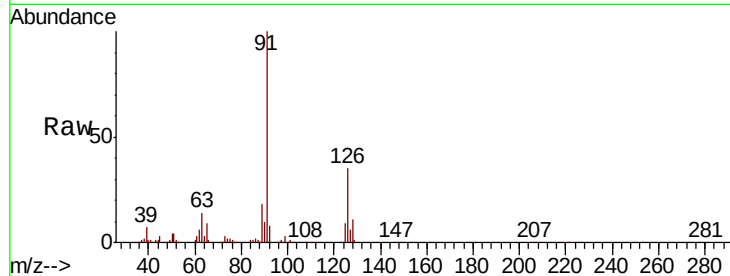
VSTDCCC020

Tot Ion: 91 Resp: 451672

Ion Ratio Lower Upper

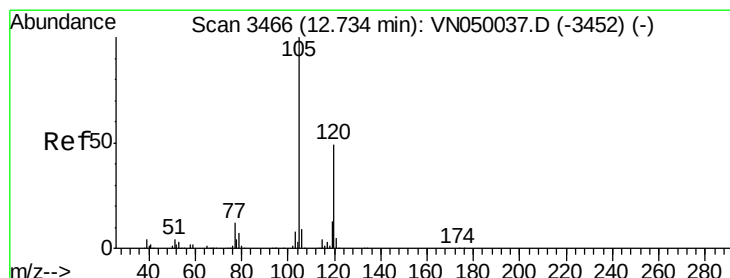
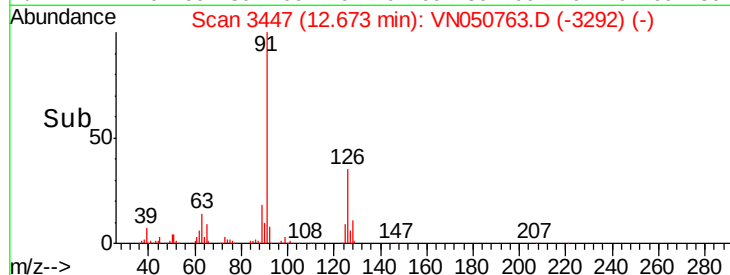
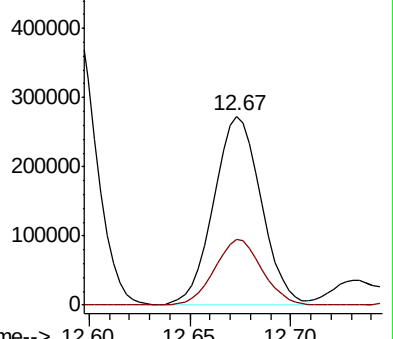
91 100

126 34.9 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050763.D

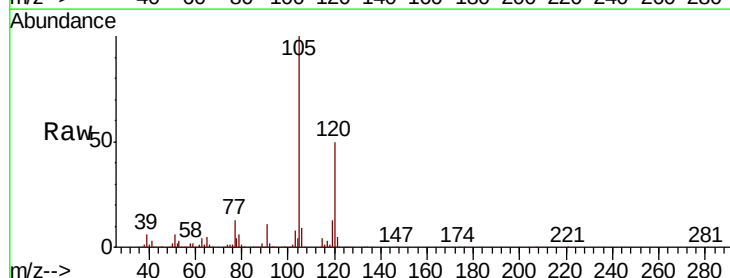
Acq: 20 Aug 2018 10:16

Tgt Ion: 105 Resp: 536671

Ion Ratio Lower Upper

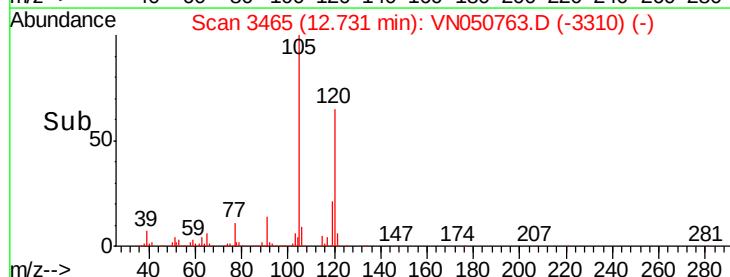
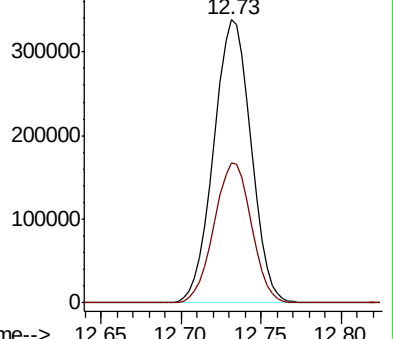
105 100

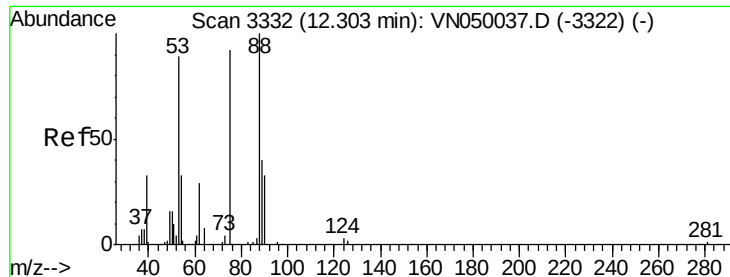
120 49.8 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.10 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

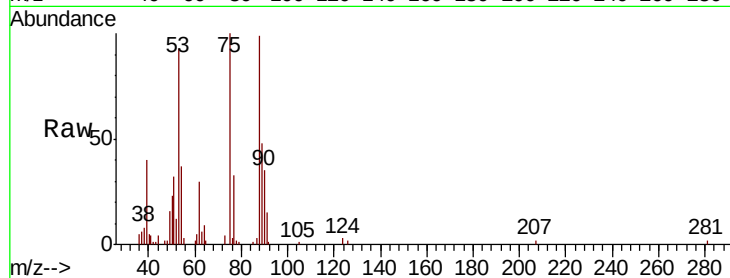
Tot Ion: 75 Resp: 36639

Ion Ratio Lower Upper

75 100

53 94.1 44.6 134.0

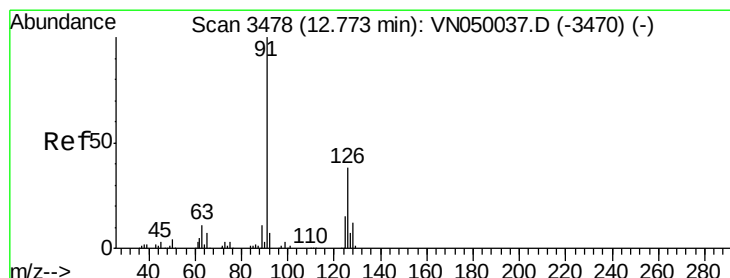
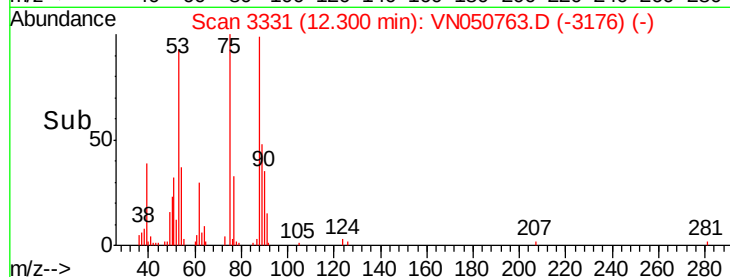
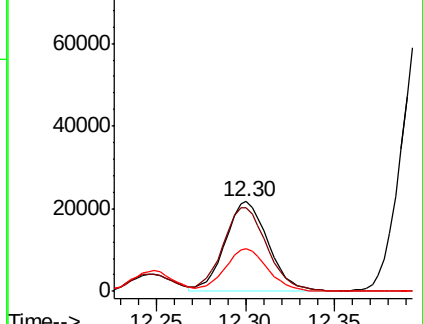
89 48.5 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.62 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050763.D

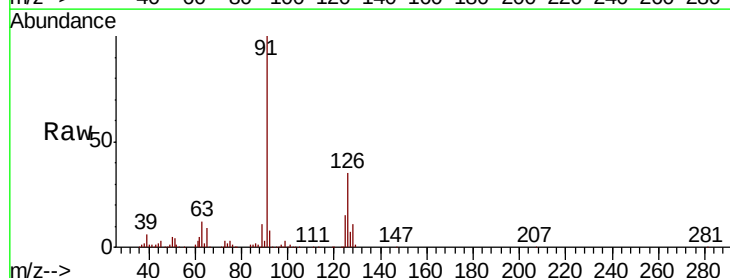
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 452290

Ion Ratio Lower Upper

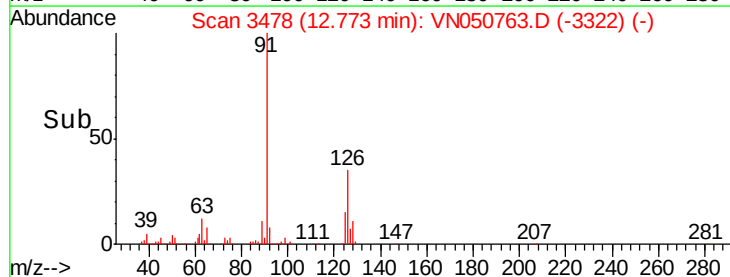
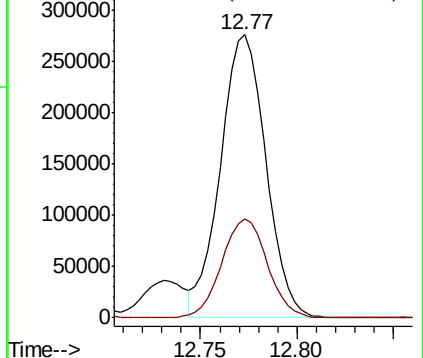
91 100

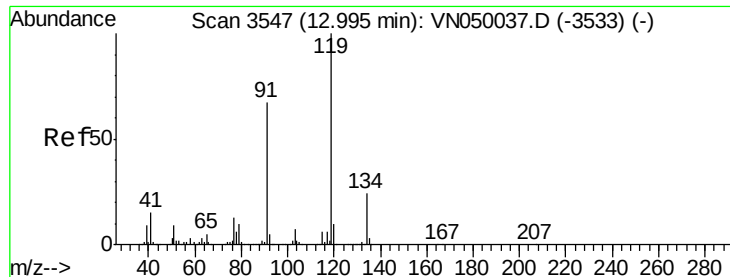
126 35.2 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

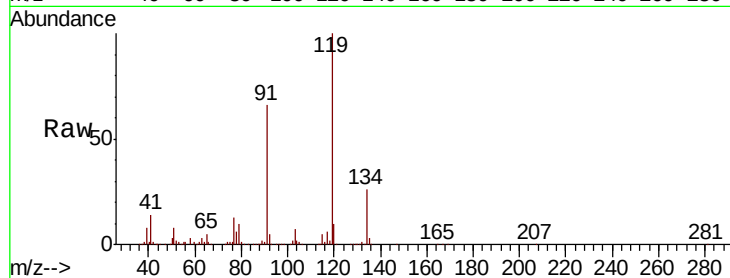
Tot Ion:119 Resp: 449638

Ion Ratio Lower Upper

119 100

91 63.3 0.0 126.8

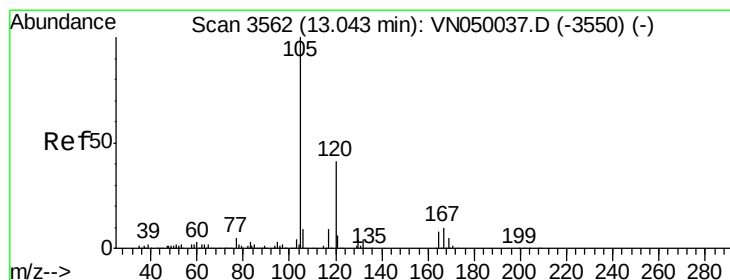
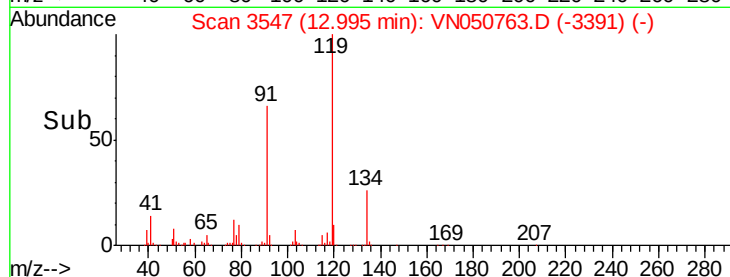
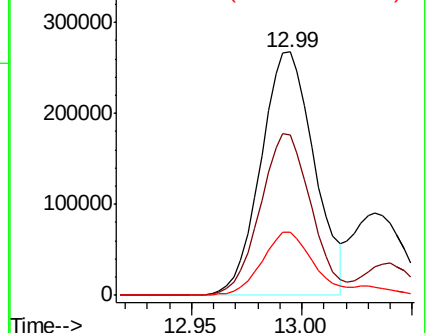
134 24.8 0.0 47.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.73 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050763.D

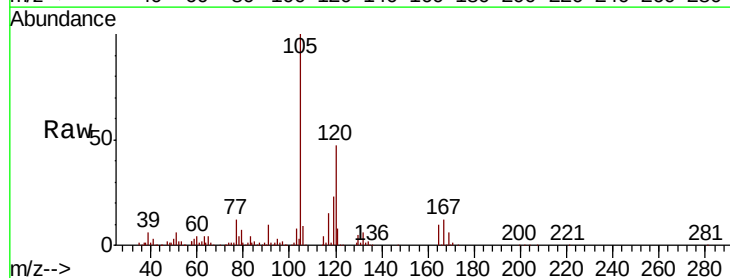
Acq: 20 Aug 2018 10:16

Tgt Ion:105 Resp: 545965

Ion Ratio Lower Upper

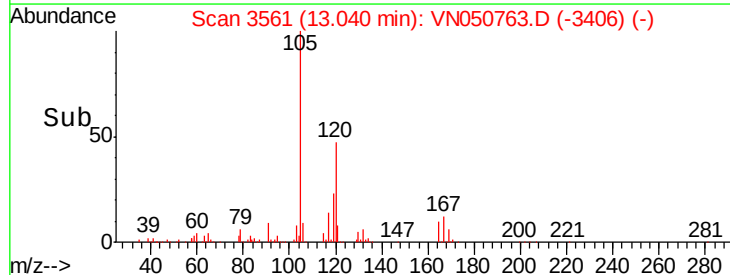
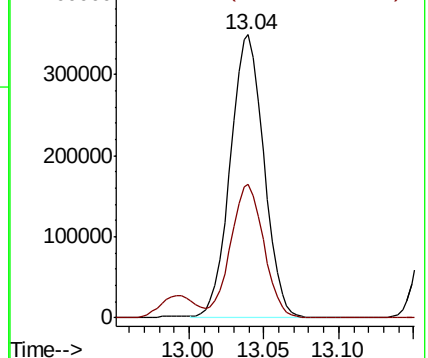
105 100

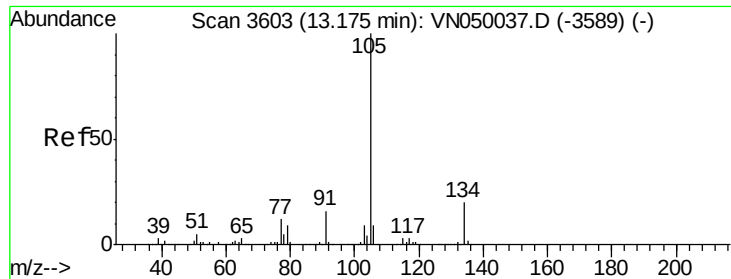
120 46.7 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.22 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

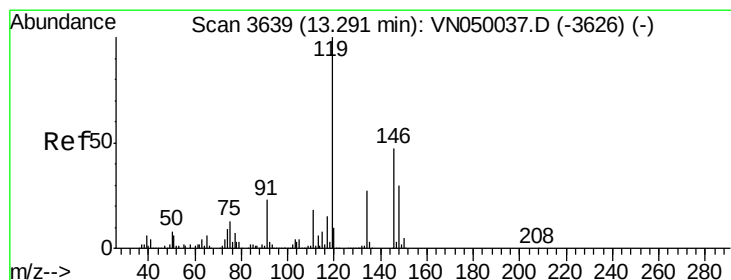
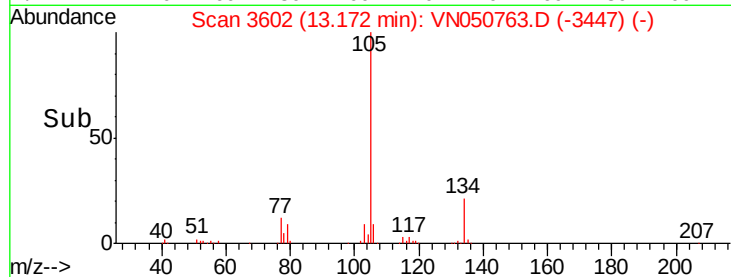
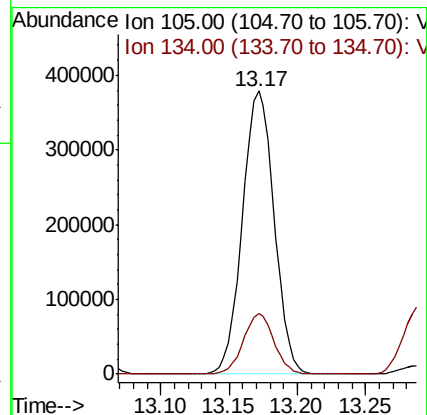
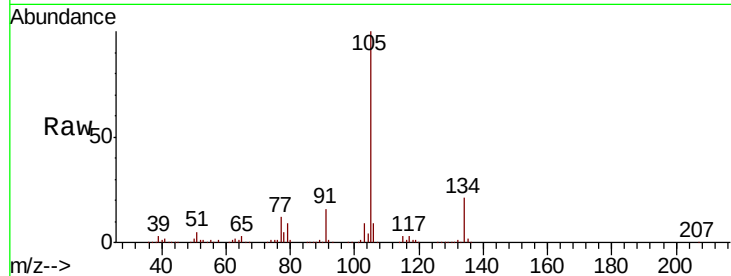
VSTDCCC020

Tot Ion:105 Resp: 610458

Ion Ratio Lower Upper

105 100

134 20.6 0.0 40.6



#82

p-Isopropyltoluene

Concen: 20.70 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

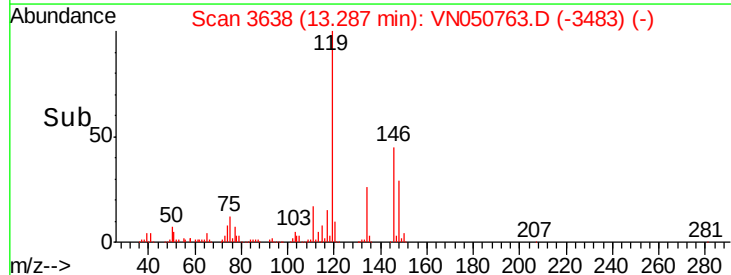
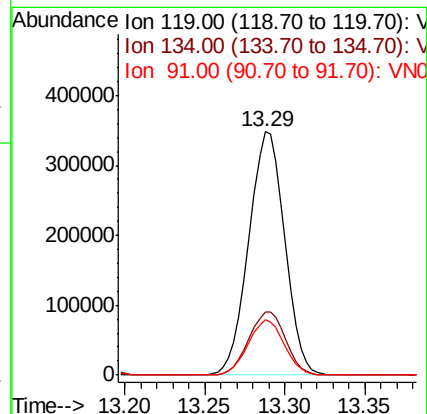
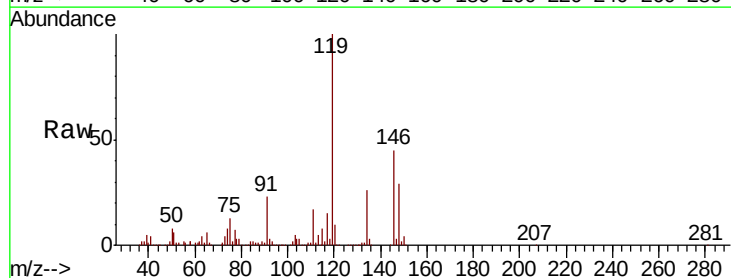
Tgt Ion:119 Resp: 533321

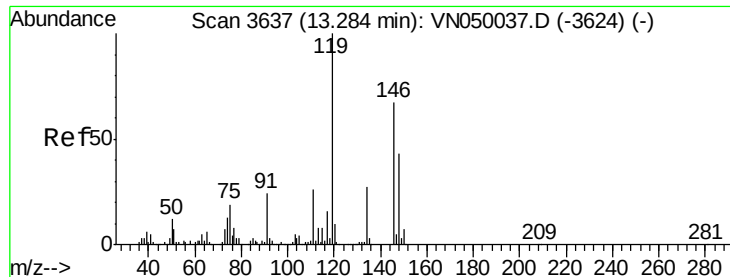
Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.2

91 22.6 0.0 45.6

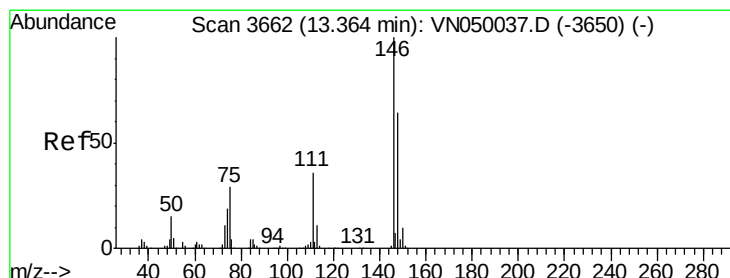
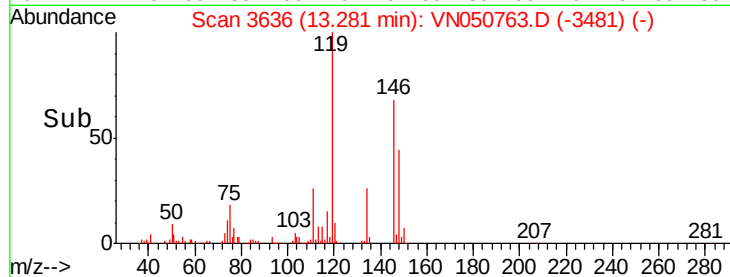
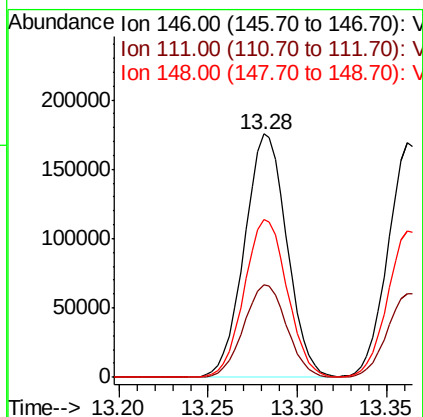
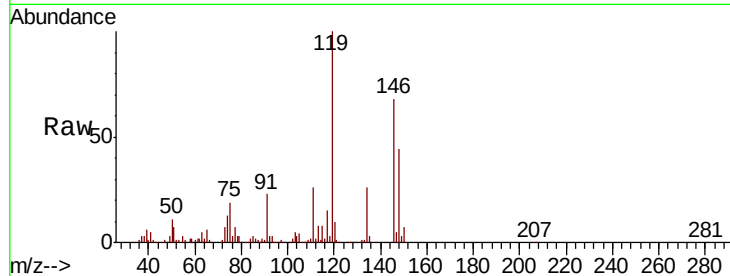




#83
 1,3-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

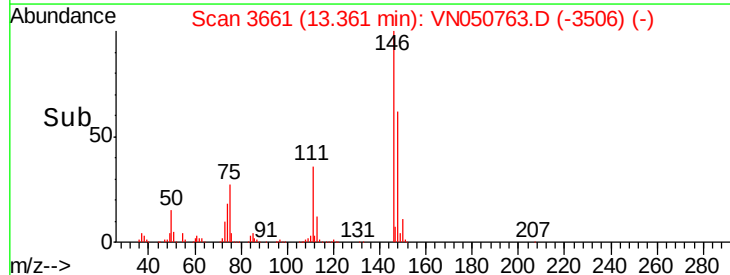
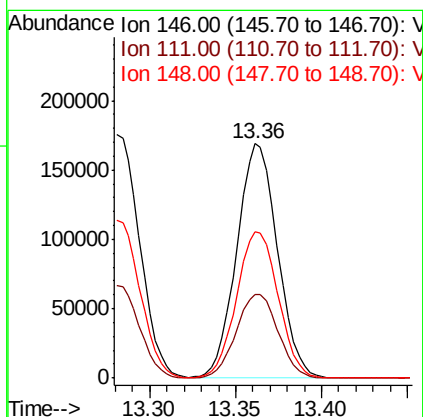
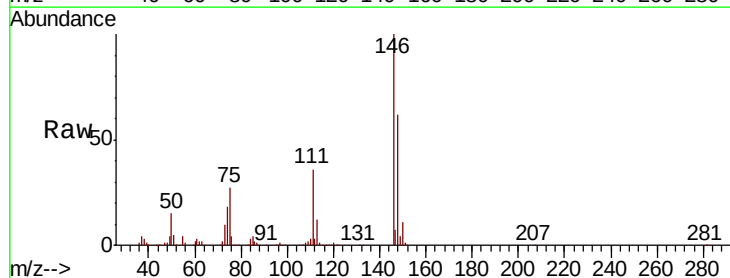
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

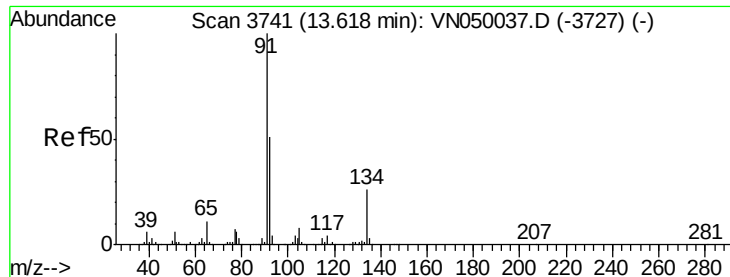
Tot Ion:146 Resp: 292049
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.1
 148 65.7 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:146 Resp: 277402
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.9 53.8
 148 63.8 32.4 97.0

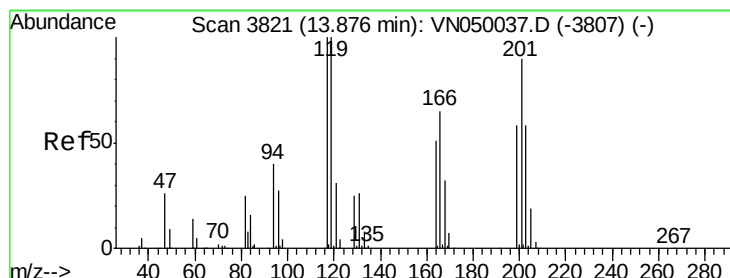
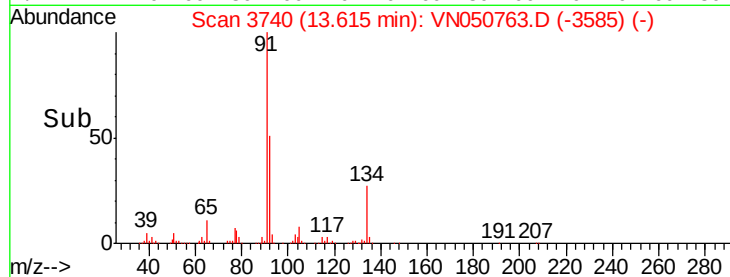
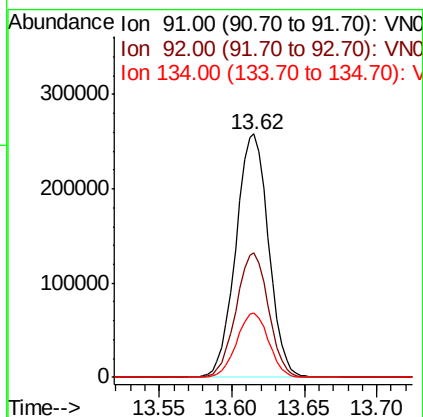
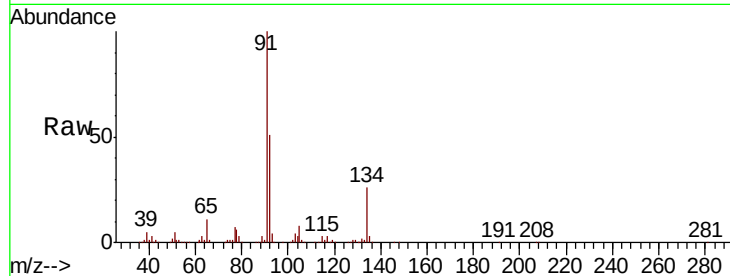




#85
n-Butylbenzene
Concen: 19.35 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

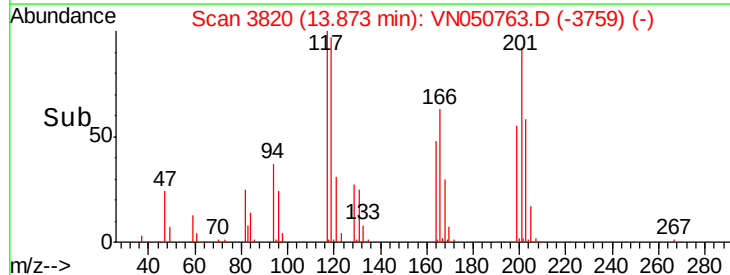
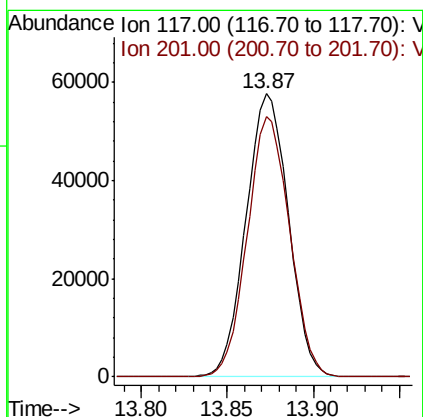
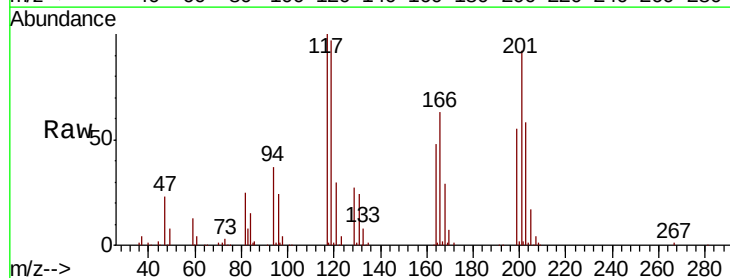
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

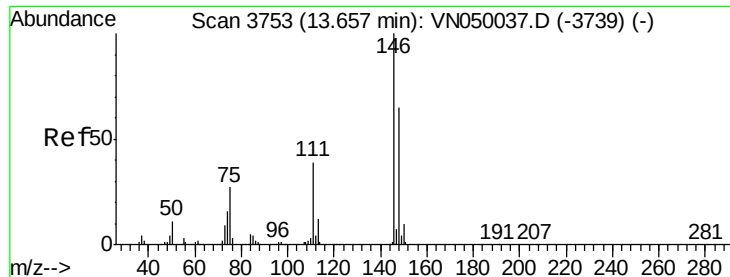
Tot Ion: 91 Resp: 404481
Ion Ratio Lower Upper
91 100
92 50.7 0.0 102.8
134 26.0 0.0 51.0



#86
Hexachloroethane
Concen: 19.18 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 117 Resp: 98753
Ion Ratio Lower Upper
117 100
201 91.6 46.6 139.7

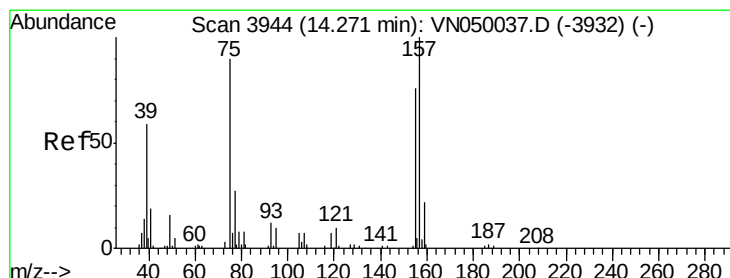
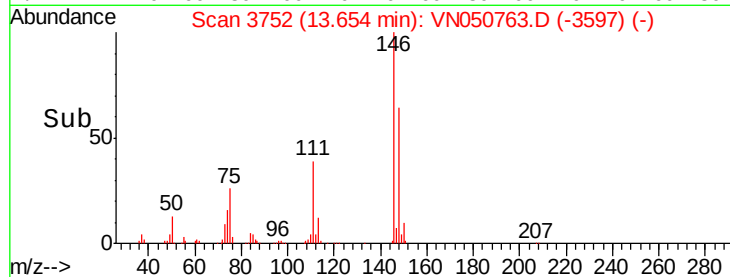
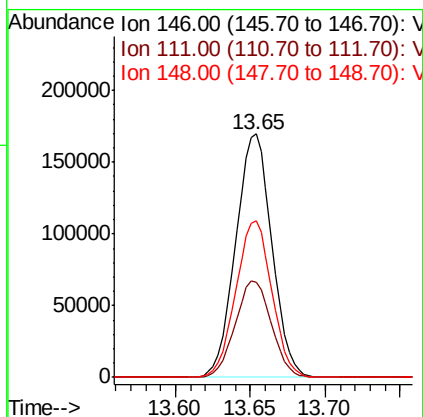
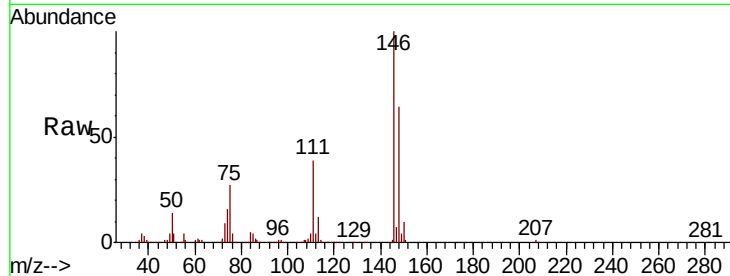




#87
 1,2-Dichlorobenzene
 Concen: 19.91 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

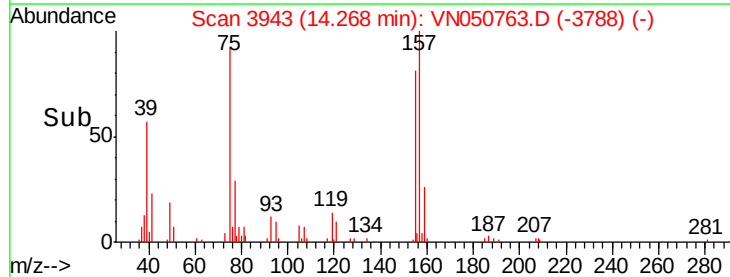
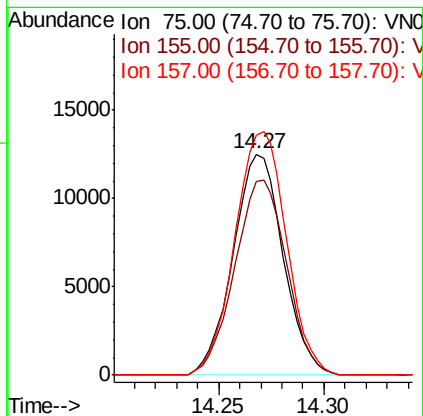
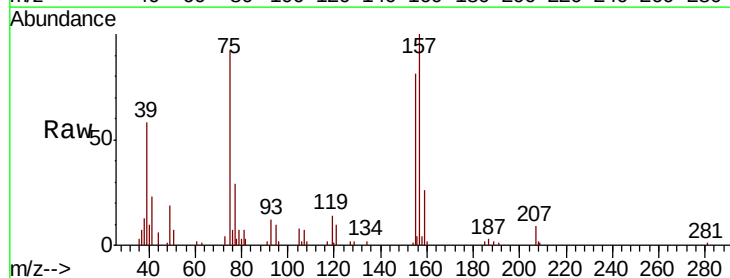
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

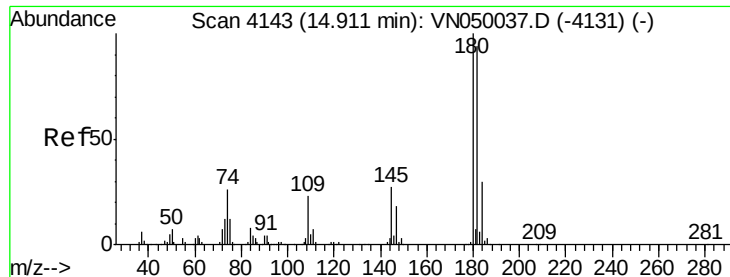
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.9	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.23 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	73.0	109.6
157	113.5	94.9	142.3

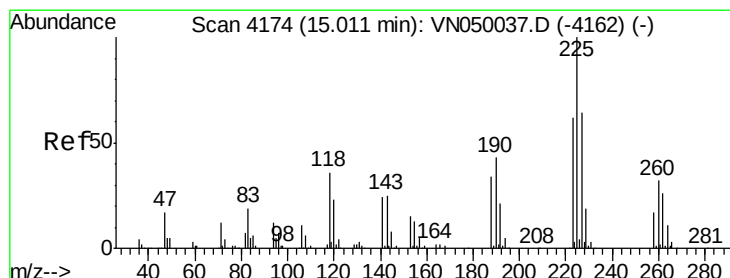
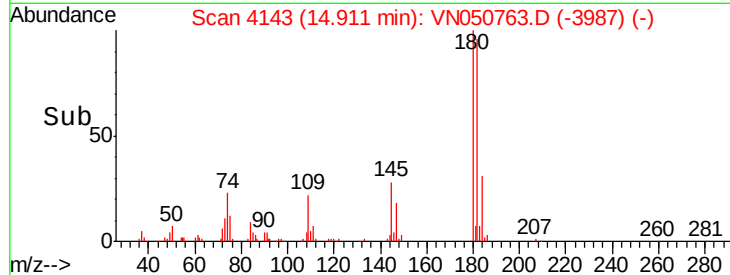
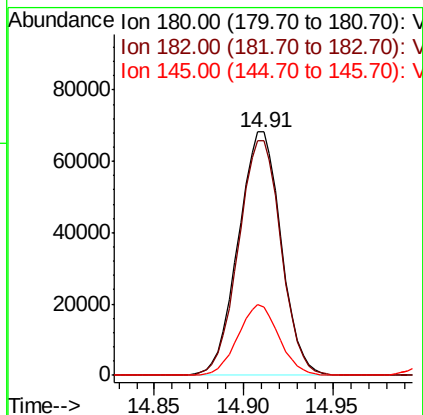
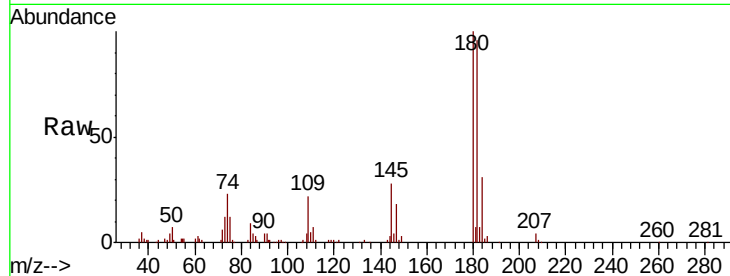




#89
 1,2,4-Trichlorobenzene
 Concen: 16.62 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

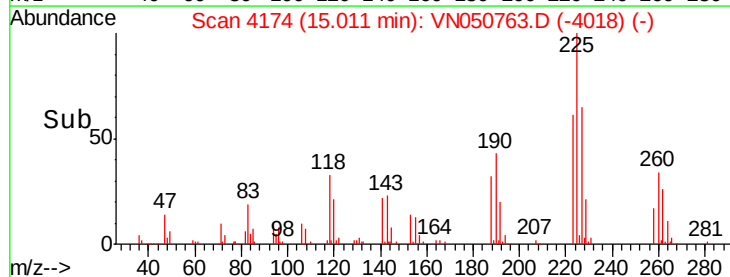
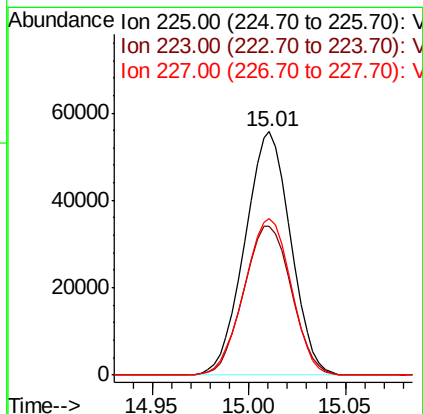
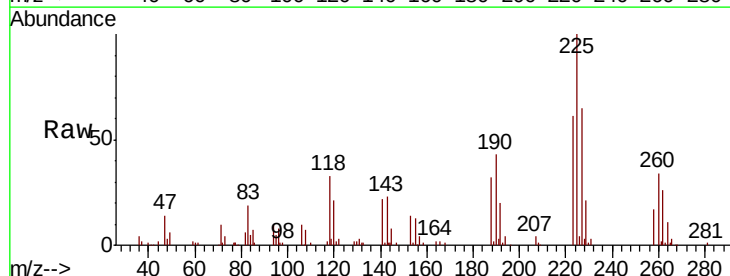
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

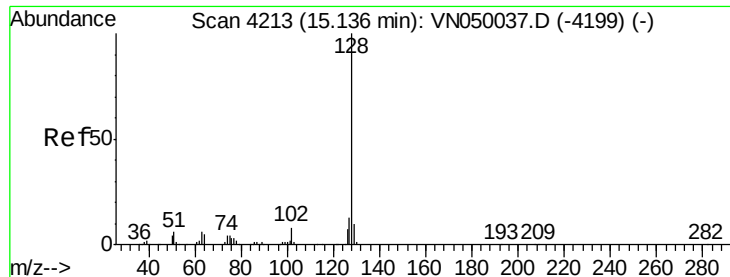
Tot Ion:180 Resp: 113898
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.7 115.1
 145 27.7 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 20.32 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:225 Resp: 91811
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 124.4
 227 65.8 0.0 133.0

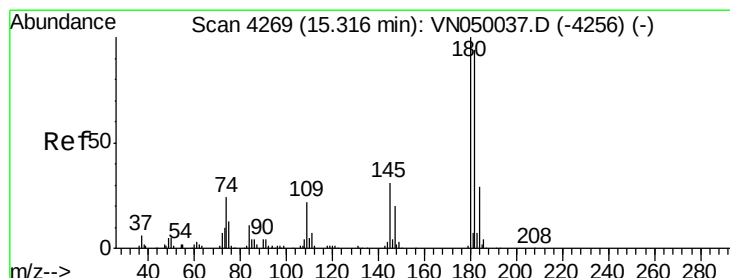
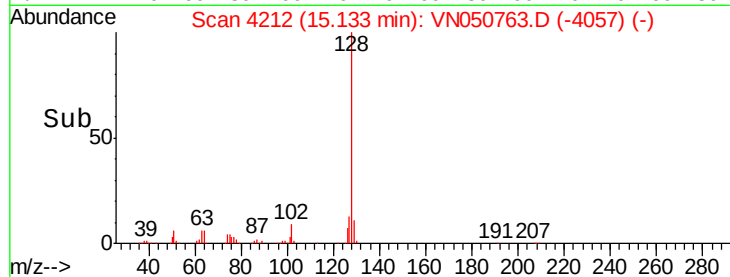
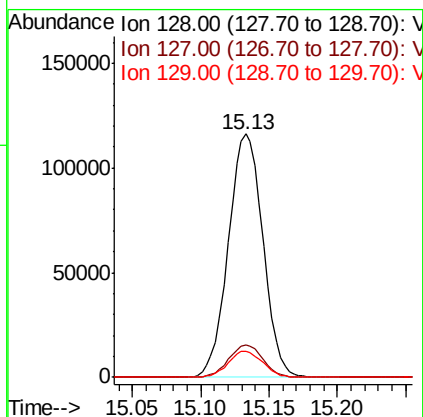
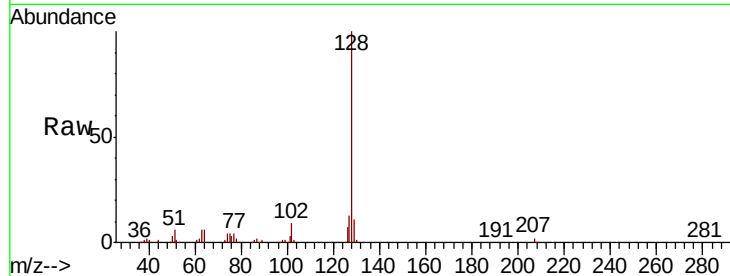




#91
Naphthalene
Concen: 17.17 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	9.0	13.4



#92
1,2,3-Trichlorobenzene
Concen: 16.97 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	188.8
145	29.7	0.0	60.8

