

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050715.D
 Acq On : 17 Aug 2018 8:00
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 14:20:54 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	7.20	128	122751	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	652337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	570630	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240930	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	12.40	95	257997	29.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.10%
63) Toluene-d8	10.09	98	839752	30.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	136776	16.169 ug/l	98
3) Chloromethane	2.06	50	173403	19.882 ug/l	98
4) Vinyl Chloride	2.18	62	181796	19.579 ug/l	97
5) Bromomethane	2.57	94	106850	18.877 ug/l	97
6) Chloroethane	2.70	64	111308	20.269 ug/l	100
7) Trichlorofluoromethane	3.01	101	245291	20.216 ug/l	99
8) Diethyl Ether	3.41	74	78544	19.298 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	156192	21.161 ug/l	98
10) 1,1-Dichloroethene	3.73	96	134155	20.499 ug/l	95
11) Methyl Iodide	3.95	142	91231	9.474 ug/l	98
12) Methyl Acetate	4.33	43	118136	15.758 ug/l	97
13) Acrolein	3.61	56	37161	80.206 ug/l	99
14) Acrylonitrile	4.99	53	219680	87.815 ug/l	99
15) Acetone	3.82	58	72817	109.526 ug/l	91
16) Carbon Disulfide	4.05	76	411041	20.523 ug/l	100
17) Allyl chloride	4.33	41	208662	20.189 ug/l	94
18) Methylene Chloride	4.55	84	157578	20.865 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	144025	20.555 ug/l	96
20) Diisopropyl ether	5.95	45	453710	21.409 ug/l	98
21) 1,1-Dichloroethane	5.85	63	276923	20.781 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	160177	20.614 ug/l	99
23) tert-Butyl Alcohol	4.79	59	40088	71.715 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	334704	18.753 ug/l	100
25) Chloroform	7.37	83	279858	20.746 ug/l	99
26) Cyclohexane	7.65	56	226813	21.419 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	211858	20.927 ug/l	99
30) 2-Butanone	6.84	43	323392	101.798 ug/l	98
31) 2,2-Dichloropropane	6.82	77	226053	20.200 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	236028	19.807 ug/l	99
33) Carbon Tetrachloride	7.77	117	216710	20.402 ug/l	98
34) Benzene	8.04	78	632053	20.558 ug/l	98
35) Methacrylonitrile	7.17	41	53512	14.794 ug/l	99
36) 1,2-Dichloroethane	8.12	62	192109	19.030 ug/l	100
37) Trichloroethene	8.83	130	163922	20.328 ug/l	95
38) Methylcyclohexane	9.08	83	216720	20.306 ug/l	99
39) 1,2-Dichloropropane	9.12	63	171304	21.150 ug/l	98
40) Dibromomethane	9.21	93	98563	19.690 ug/l	99

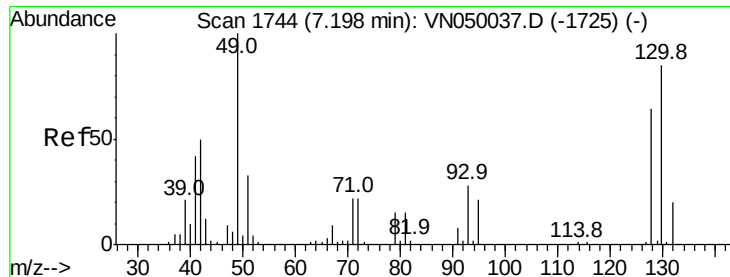
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050715.D
 Acq On : 17 Aug 2018 8:00
 Operator : MD\SY
 Sample : VSTDCCC020
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 ClientSampleId :

Quant Time: Aug 17 14:20:54 2018
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 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)
41) Bromodichloromethane	9.40	83	209405	19.832	ug/l	99
42) Vinyl Acetate	5.90	43	1405945	94.047	ug/l	100
45) 1,4-Dioxane	9.20	88	27216	336.562	ug/l	97
46) Methyl methacrylate	9.20	41	95207	15.982	ug/l	99
47) n-amyl Acetate	12.07	43	156770	16.395	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	197896	19.662	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	240789	20.361	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	139788	19.455	ug/l	98
51) Ethyl methacrylate	10.43	69	152979	17.541	ug/l	99
52) 1,3-Dichloropropane	10.71	76	231874	19.652	ug/l	99
53) Dibromochloromethane	10.90	129	156031	19.135	ug/l	97
54) 1,2-Dibromoethane	11.01	107	131783	18.727	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	363713	92.148	ug/l	100
56) Bromoform	12.13	173	102605	17.820	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	719298	108.331	ug/l	98
59) 2-Hexanone	10.75	43	469019	103.540	ug/l	100
61) Tetrachloroethene	10.63	164	153053	19.802	ug/l	97
62) Toluene	10.16	91	682777	20.972	ug/l	100
64) Chlorobenzene	11.43	112	411008	20.819	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	161294	20.946	ug/l	100
66) Ethyl Benzene	11.51	91	672198	20.204	ug/l	99
67) m/p-Xylenes	11.62	106	543596	42.455	ug/l	99
68) o-Xylene	11.95	106	252616	20.736	ug/l	98
69) Styrene	11.96	104	406563	20.818	ug/l	99
70) Isopropylbenzene	12.25	105	668723	20.611	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	165700	18.601	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	190735	25.070	ug/l	60
73) Bromobenzene	12.53	156	172642	19.975	ug/l	99
74) n-propylbenzene	12.59	91	771412	20.415	ug/l	100
75) 2-Chlorotoluene	12.67	91	464135	20.450	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	558768	20.968	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38488	15.473	ug/l	97
78) 4-Chlorotoluene	12.77	91	464612	20.658	ug/l	100
79) tert-butylbenzene	12.99	119	462605	20.305	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	560833	20.772	ug/l	99
81) sec-Butylbenzene	13.17	105	628501	20.307	ug/l	100
82) p-Isopropyltoluene	13.29	119	541770	20.516	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	296760	19.719	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	281181	19.772	ug/l	100
85) n-Butylbenzene	13.62	91	412314	19.239	ug/l	99
86) Hexachloroethane	13.88	117	100959	19.132	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	291822	19.838	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22372	16.122	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	122164	17.387	ug/l	99
90) Hexachlorobutadiene	15.01	225	96756	20.886	ug/l	97
91) Naphthalene	15.13	128	215427	17.422	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	122613	17.159	ug/l	100

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampled :

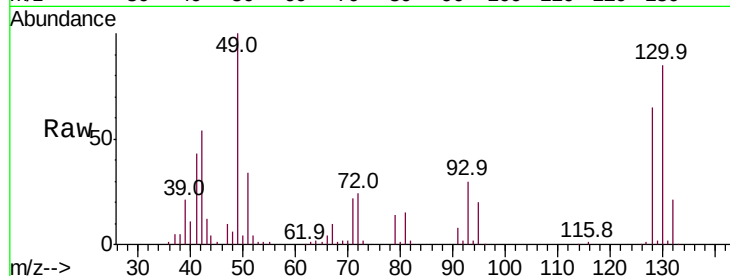
Tot Ion:128 Resp: 122751

Ion Ratio Lower Upper

128 100

49 153.2 0.0 378.3

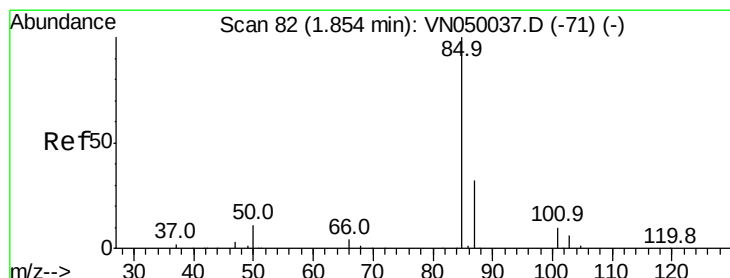
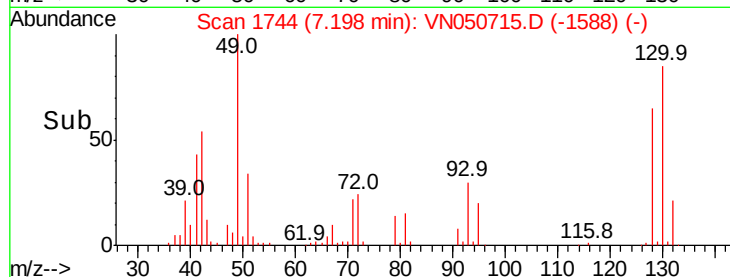
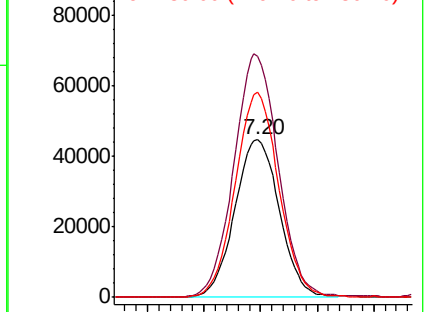
130 126.8 0.0 320.7



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: 16.169 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050715.D

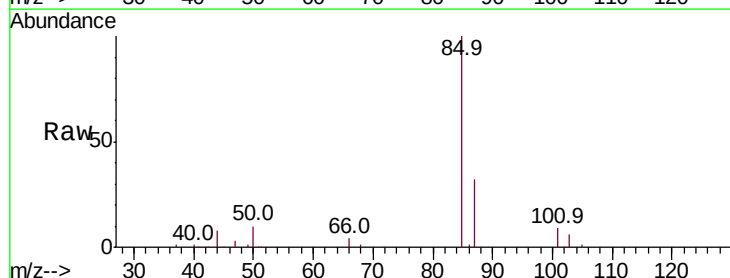
Acq: 17 Aug 2018 8:00

Tgt Ion: 85 Resp: 136776

Ion Ratio Lower Upper

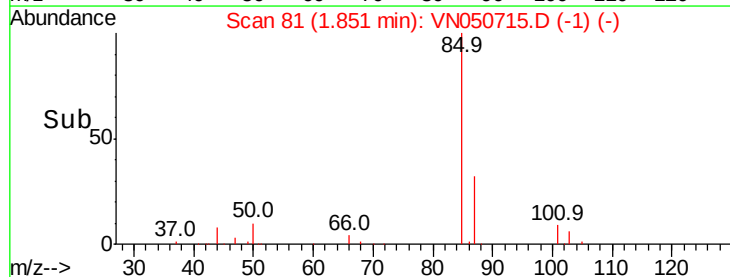
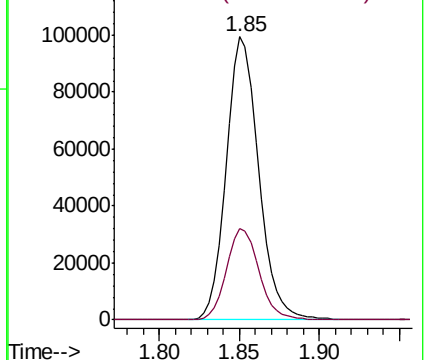
85 100

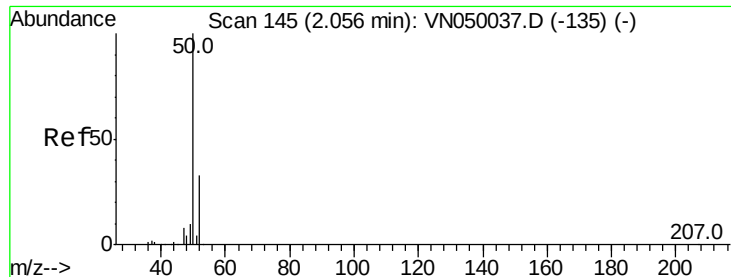
87 32.2 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.882 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

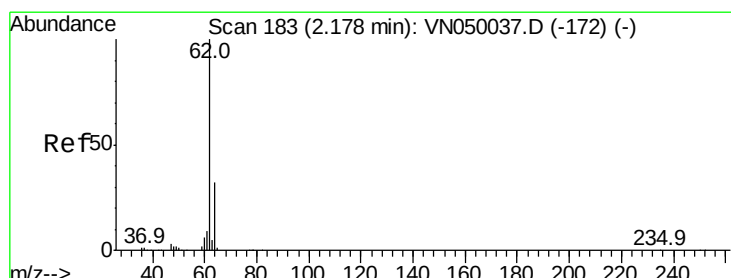
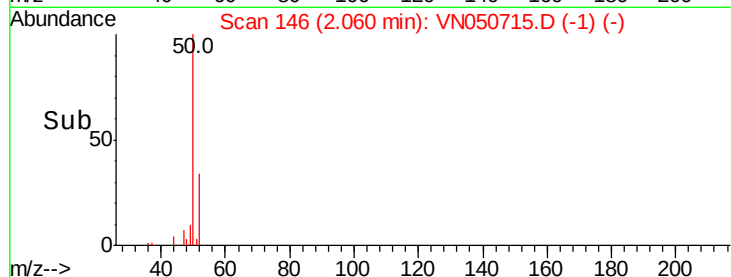
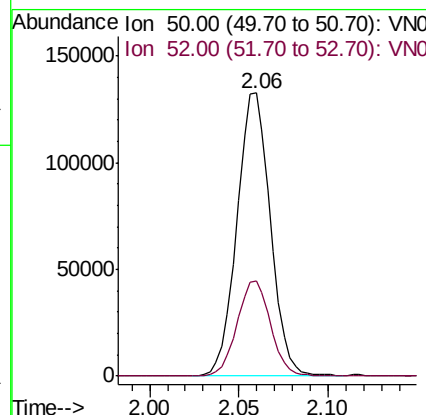
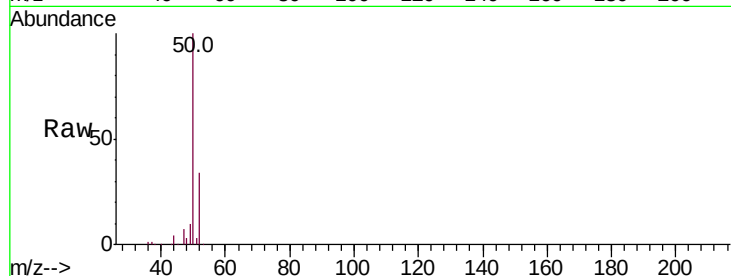
ClientSampled :

Tot Ion: 50 Resp: 173403

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 19.579 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050715.D

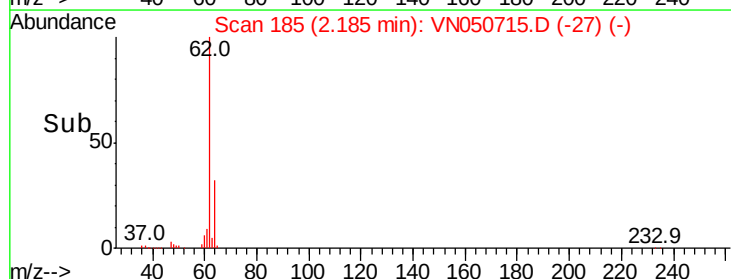
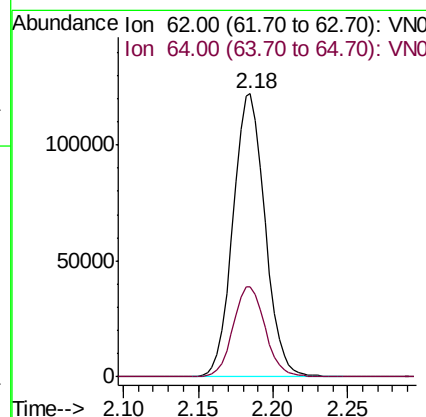
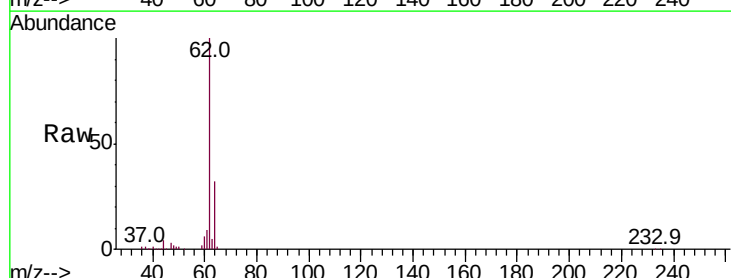
Acq: 17 Aug 2018 8:00

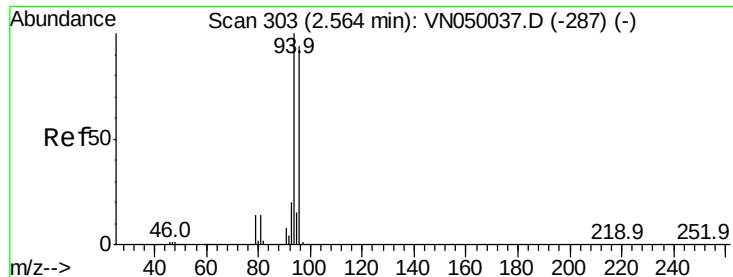
Tgt Ion: 62 Resp: 181796

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 18.877 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

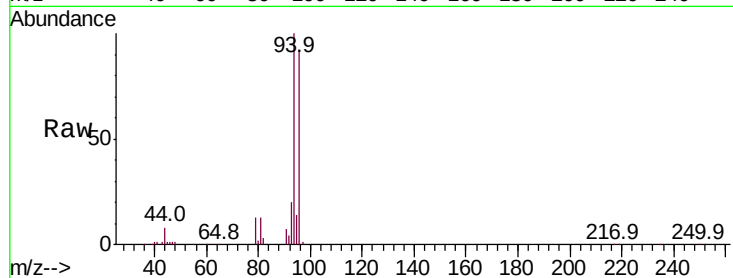
ClientSampleId :

Tot Ion: 94 Resp: 106850

Ion Ratio Lower Upper

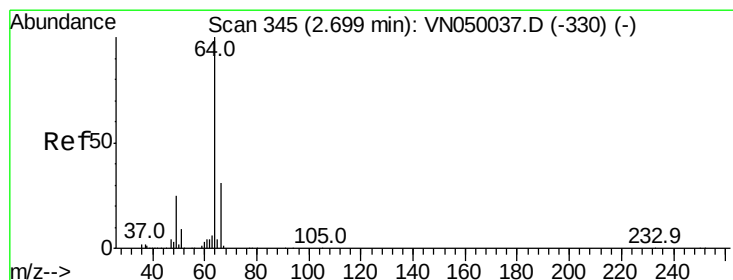
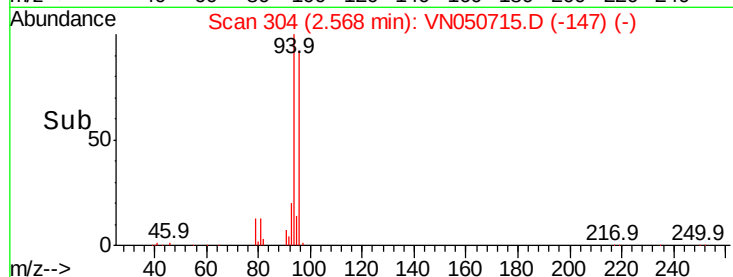
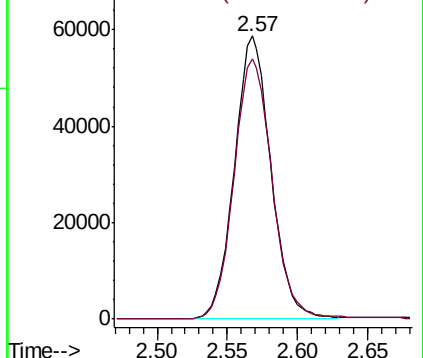
94 100

96 92.1 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: 20.269 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050715.D

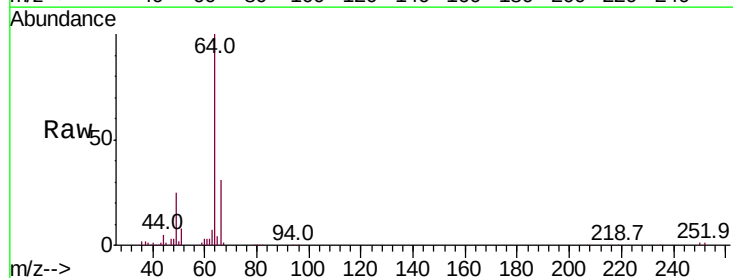
Acq: 17 Aug 2018 8:00

Tgt Ion: 64 Resp: 111308

Ion Ratio Lower Upper

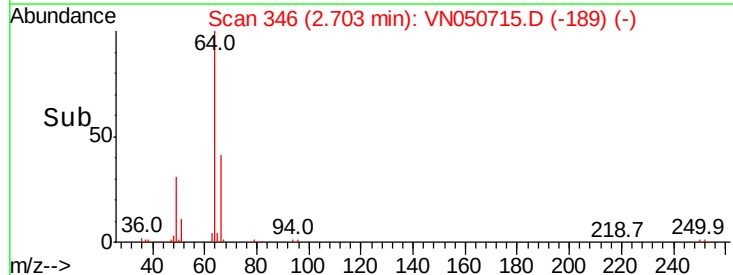
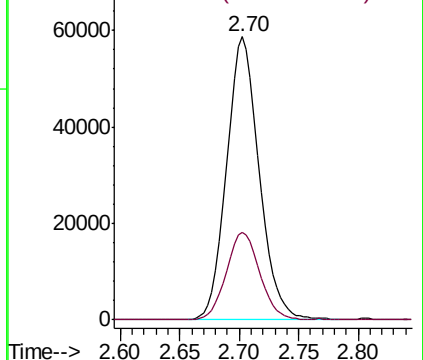
64 100

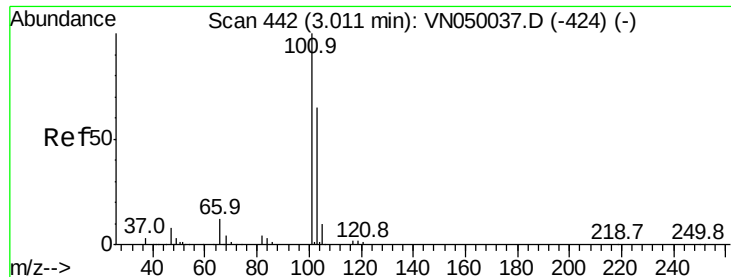
66 30.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



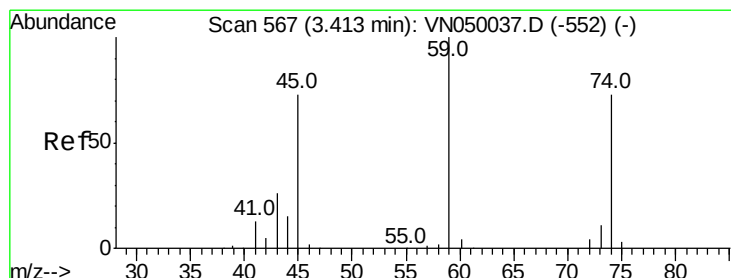
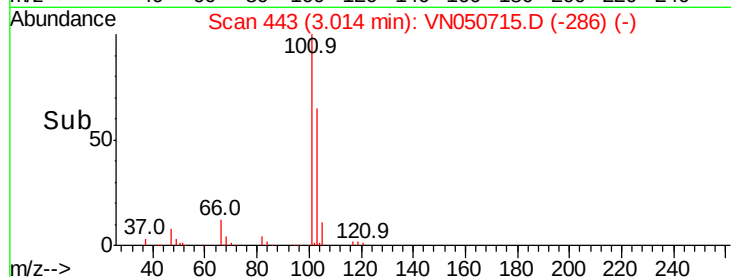
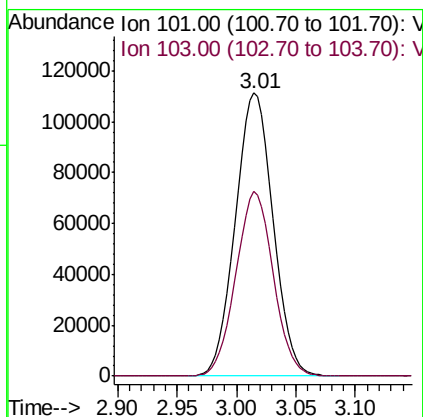
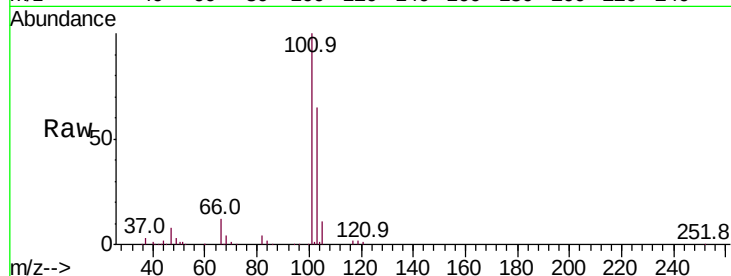


#7

Trichlorofluoromethane
Concen: 20.216 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampled :

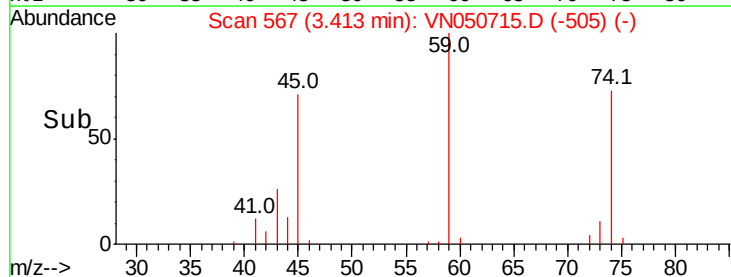
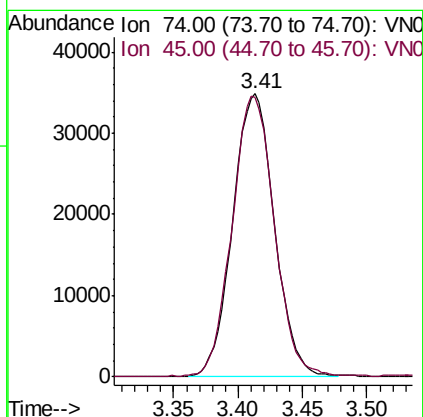
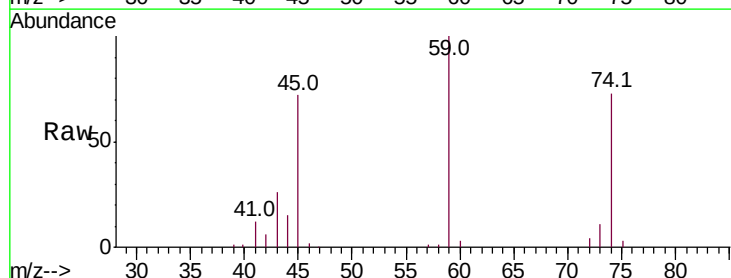
Tot Ion:101 Resp: 245291
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3

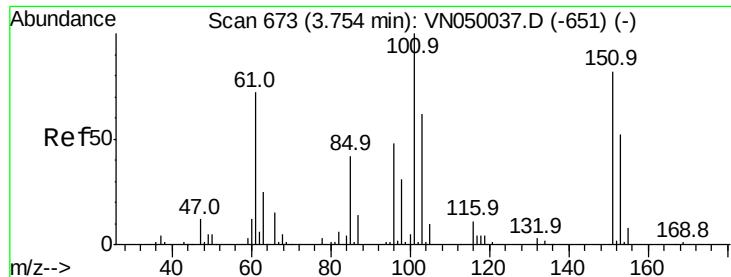


#8

Diethyl Ether
Concen: 19.298 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 74 Resp: 78544
Ion Ratio Lower Upper
74 100
45 100.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.161 ug/l

RT: 3.76 min Scan# 675

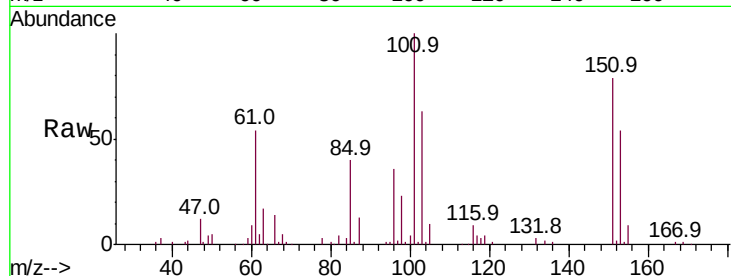
Delta R.T. 0.01 min

Lab File: VN050715.D

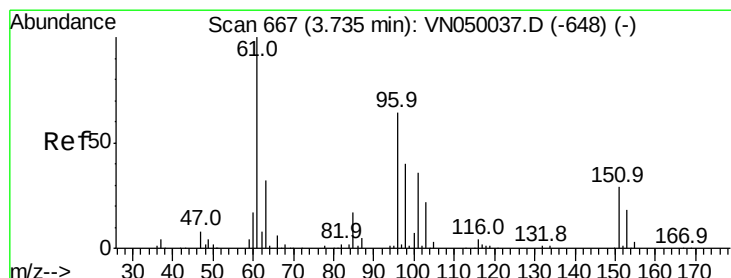
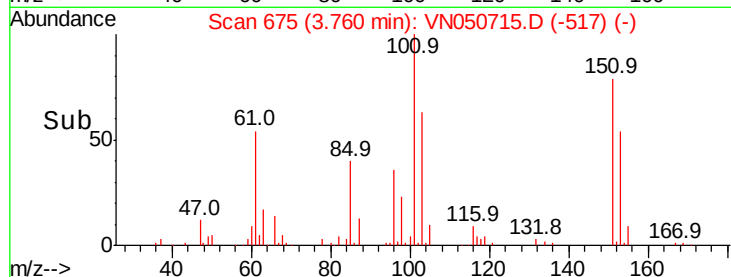
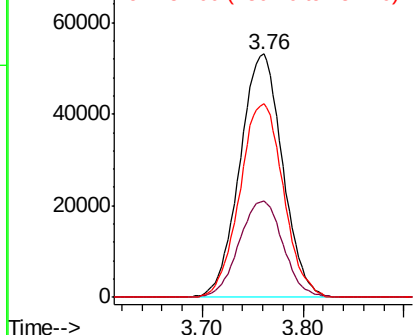
Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	101	Resp:	156192
Ion	Ratio	Lower	Upper
101	100		
85	40.7	0.0	83.0
151	81.0	0.0	166.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VNO
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.499 ug/l

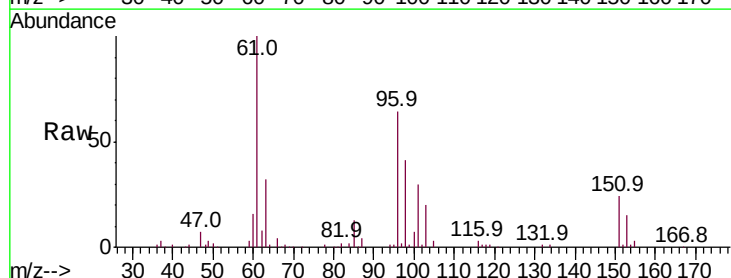
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

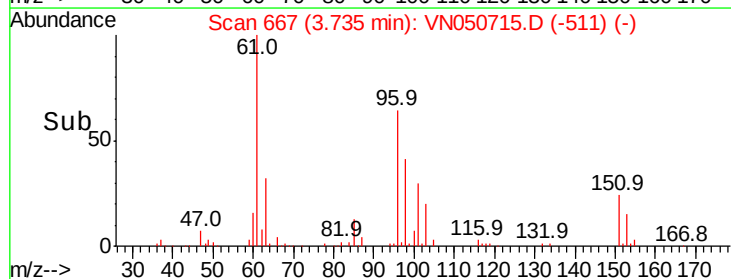
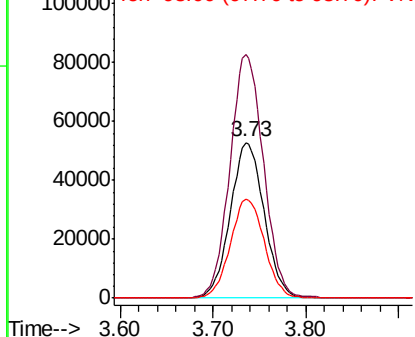
Lab File: VN050715.D

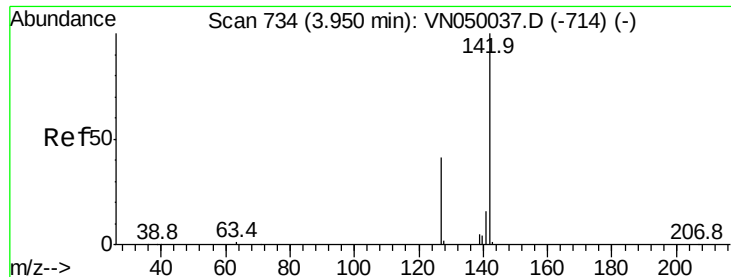
Acq: 17 Aug 2018 8:00

Tgt Ion:	96	Resp:	134155
Ion	Ratio	Lower	Upper
96	100		
61	156.8	130.6	195.8
98	63.8	53.5	80.3



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

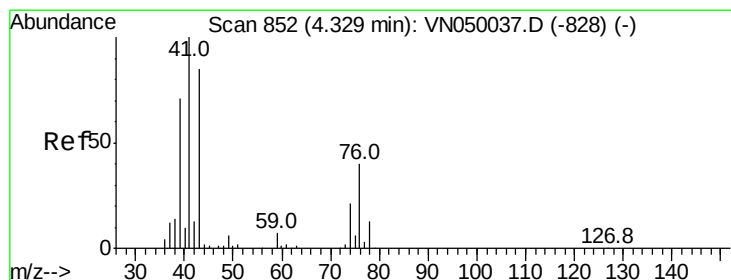
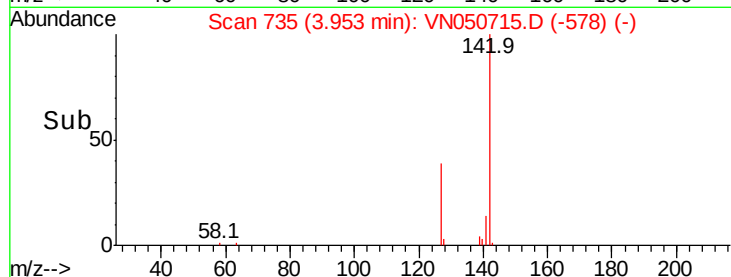
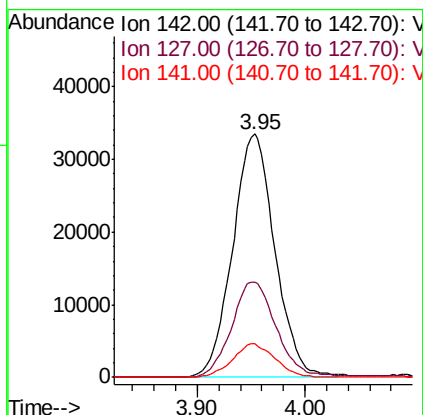
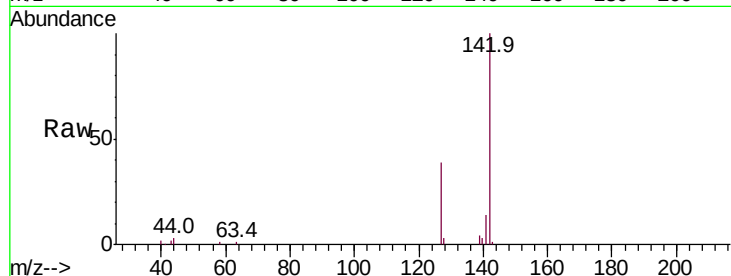




#11
Methvl Iodide
Concen: 9.474 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

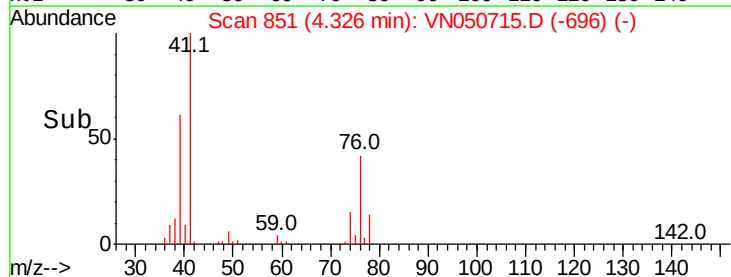
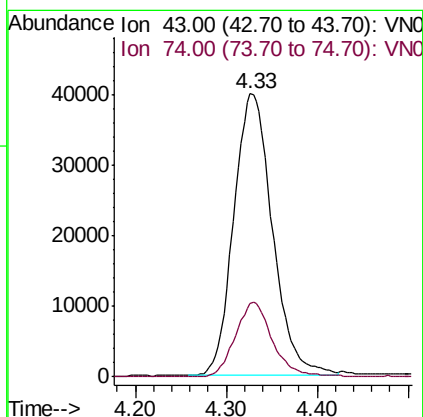
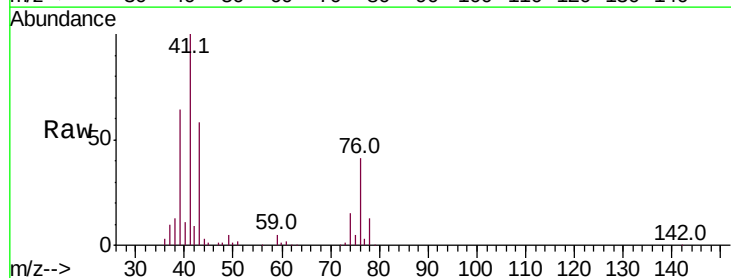
Instrument :
MSVOA_N
ClientSampled :

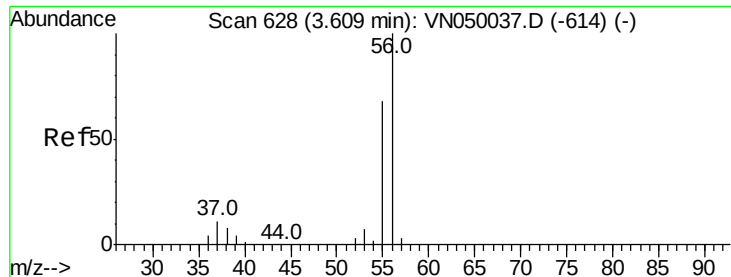
Tot Ion:142 Resp: 91231
Ion Ratio Lower Upper
142 100
127 39.0 20.2 60.5
141 13.8 6.9 20.6



#12
Methyl Acetate
Concen: 15.758 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 43 Resp: 118136
Ion Ratio Lower Upper
43 100
74 25.8 19.3 28.9





#13

Acrolein

Concen: 80.206 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

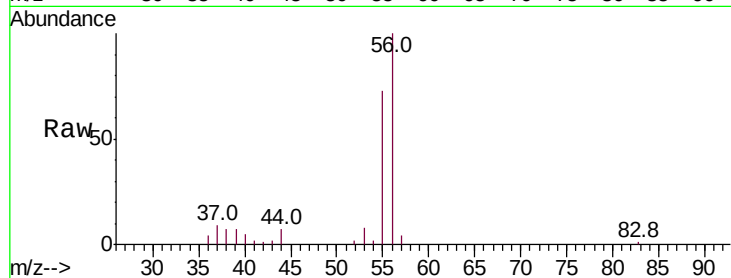
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 37161

Ion Ratio Lower Upper

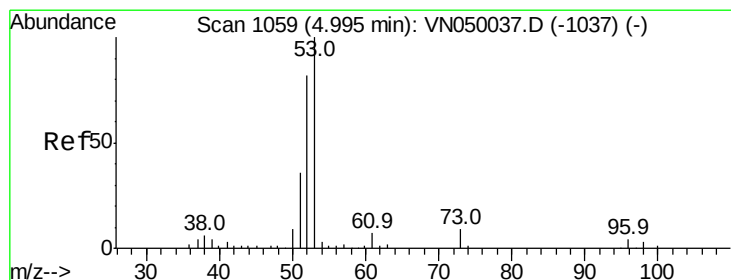
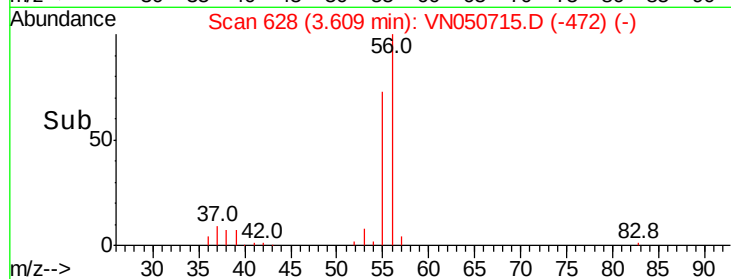
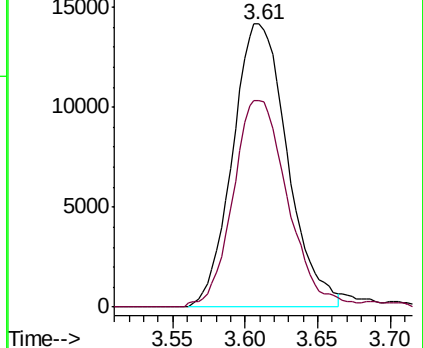
56 100

55 72.5 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: 87.815 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

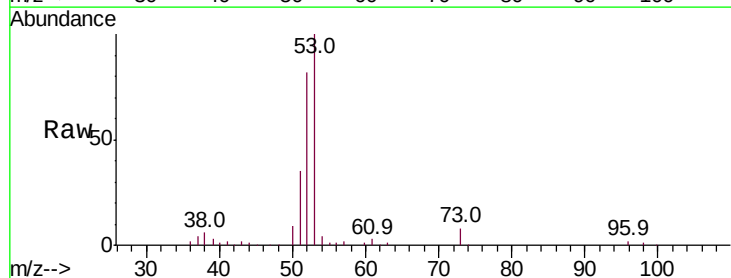
Tgt Ion: 53 Resp: 219680

Ion Ratio Lower Upper

53 100

52 83.7 41.5 124.5

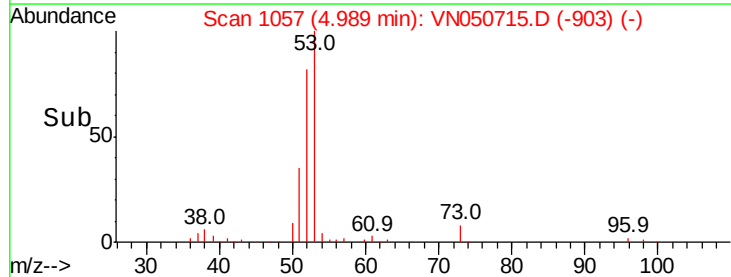
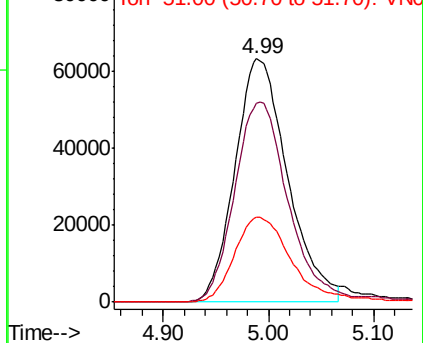
51 37.3 18.7 56.1

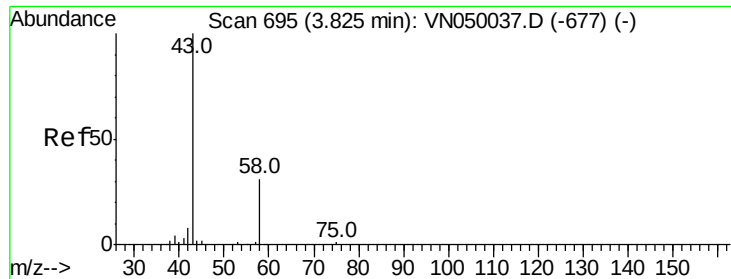


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 109.526 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

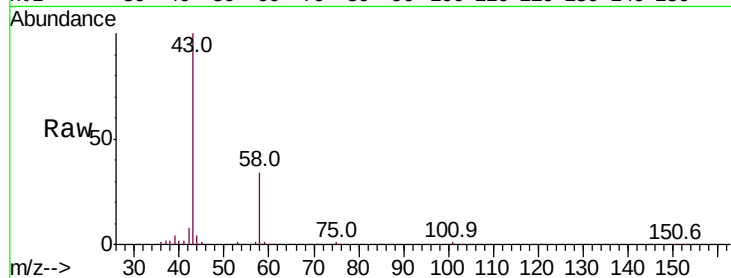
ClientSampleId :

Tot Ion: 58 Resp: 72817

Ion Ratio Lower Upper

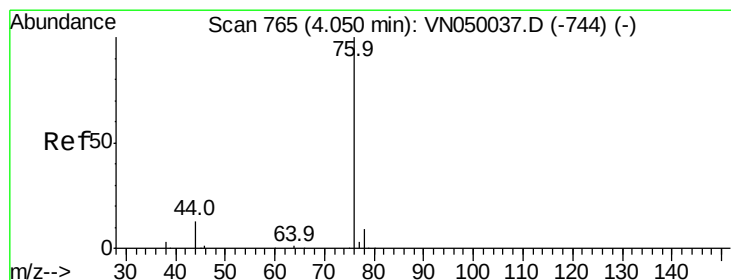
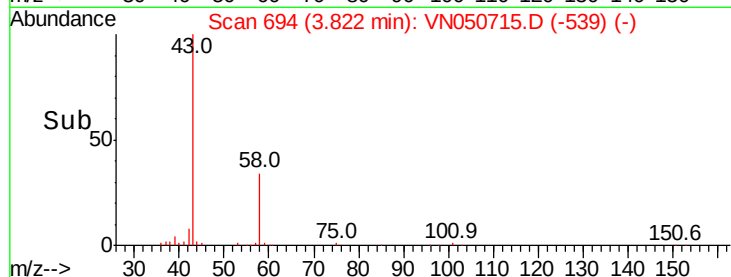
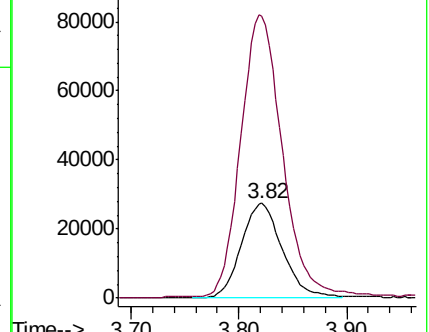
58 100

43 296.2 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN050715.D (-694) (-)

Ion 43.00 (42.70 to 43.70): VN050715.D (-694) (-)



#16

Carbon Disulfide

Concen: 20.523 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050715.D

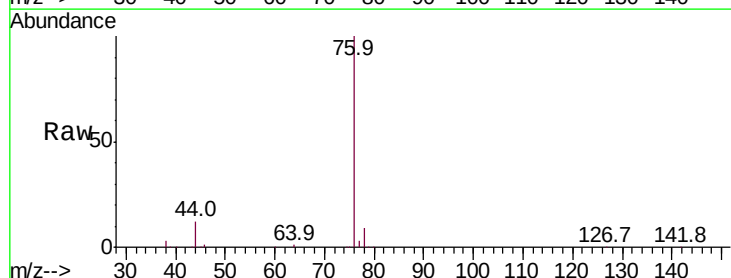
Acq: 17 Aug 2018 8:00

Tgt Ion: 76 Resp: 411041

Ion Ratio Lower Upper

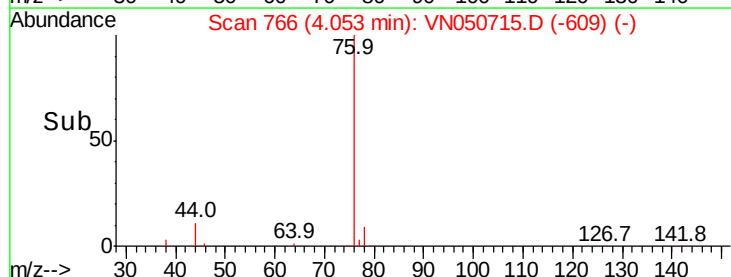
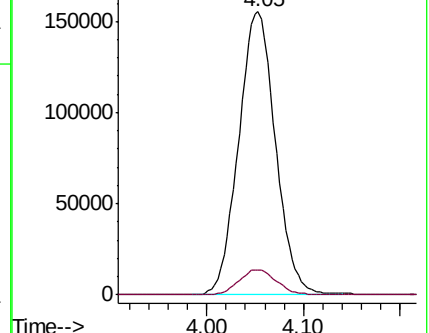
76 100

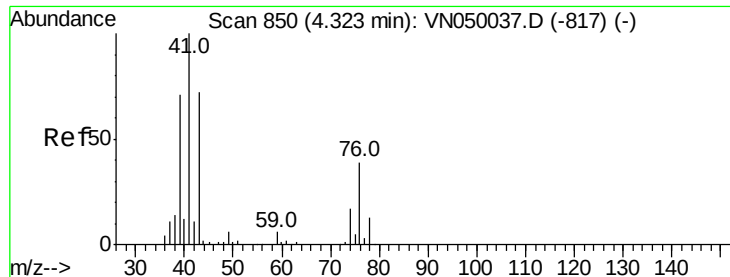
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050715.D (-766) (-)

Ion 78.00 (77.70 to 78.70): VN050715.D (-766) (-)





#17

Allvl chloride

Concen: 20.189 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampleId :

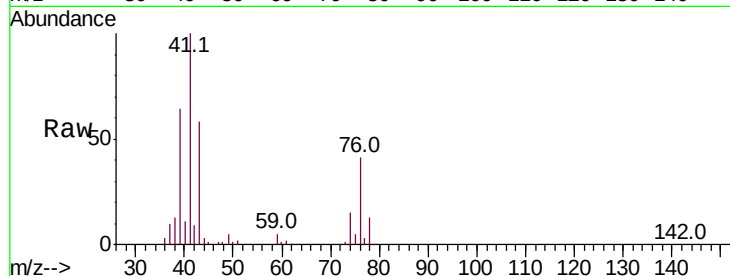
Tot Ion: 41 Resp: 208662

Ion Ratio Lower Upper

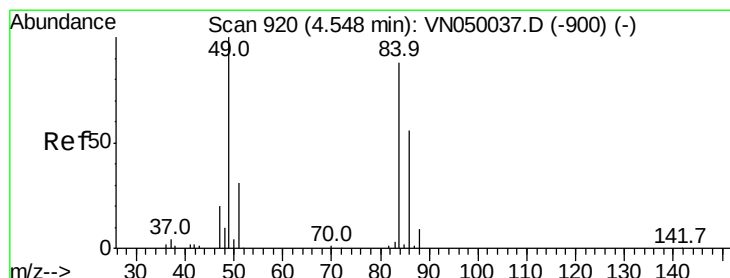
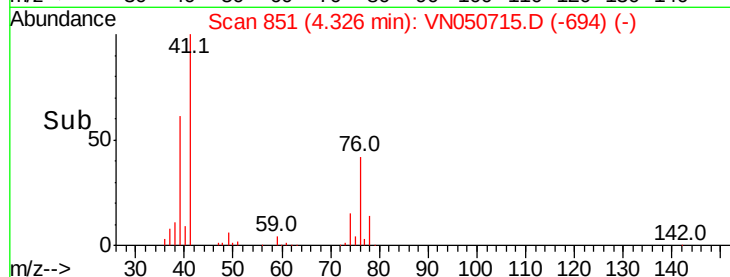
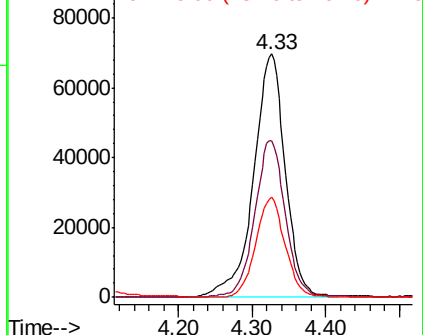
41 100

39 64.1 35.4 106.3

76 40.8 19.7 59.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.865 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Tgt Ion: 84 Resp: 157578

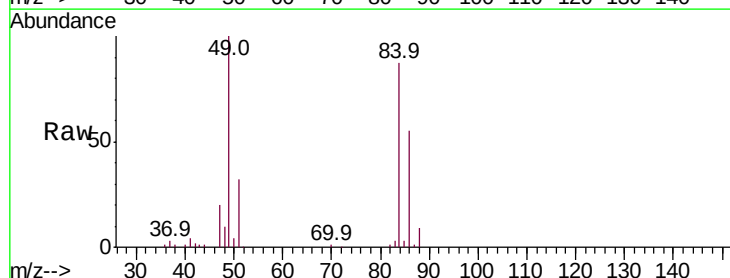
Ion Ratio Lower Upper

84 100

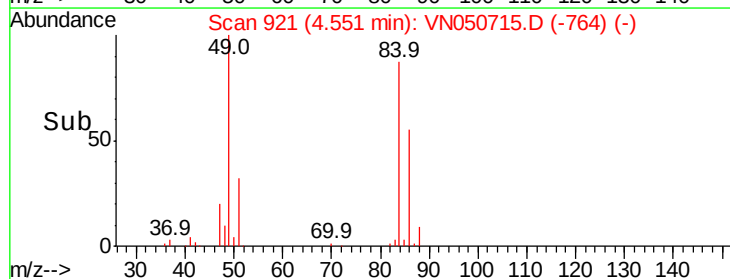
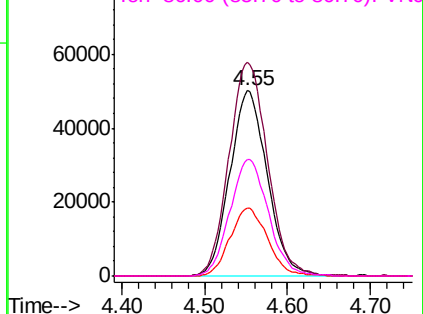
49 115.4 95.1 142.7

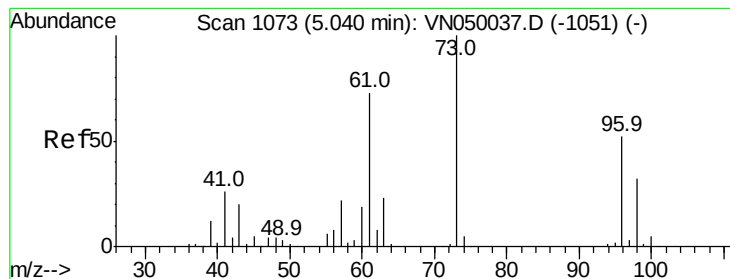
51 36.4 28.8 43.2

86 63.0 52.3 78.5



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 20.555 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampled :

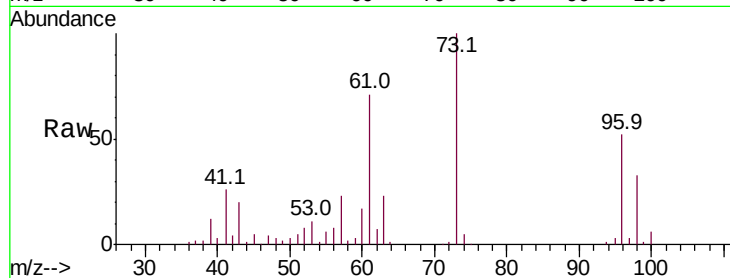
Tot Ion: 96 Resp: 144025

Ion Ratio Lower Upper

96 100

61 134.5 112.1 168.1

98 62.9 51.3 76.9

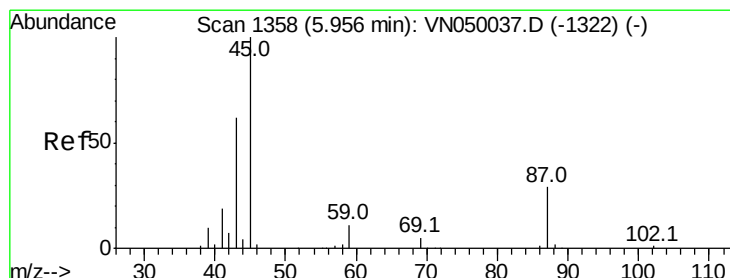
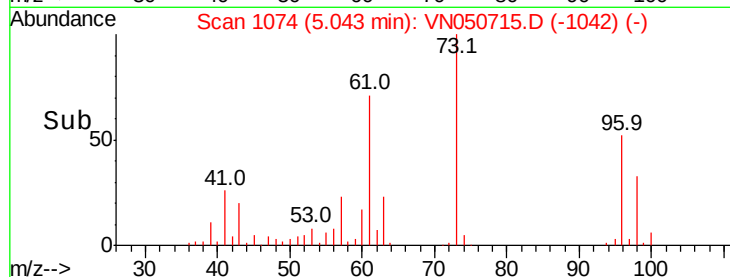
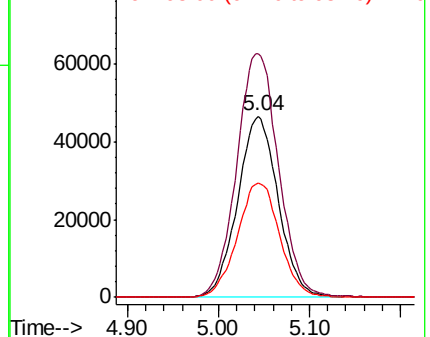


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 21.409 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Tgt Ion: 45 Resp: 453710

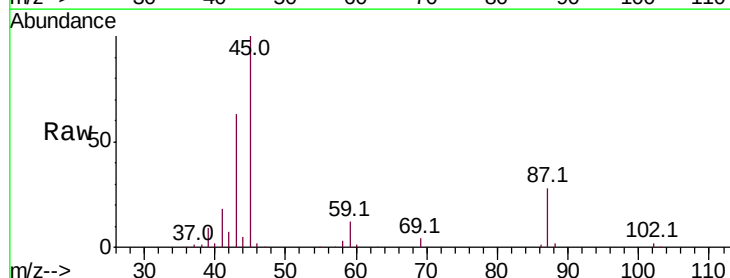
Ion Ratio Lower Upper

45 100

43 60.9 46.6 70.0

87 27.8 22.3 33.5

59 11.8 9.5 14.3



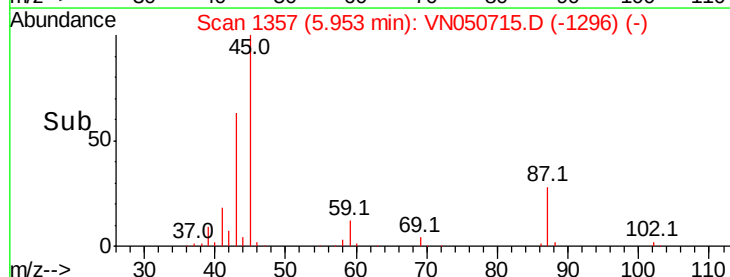
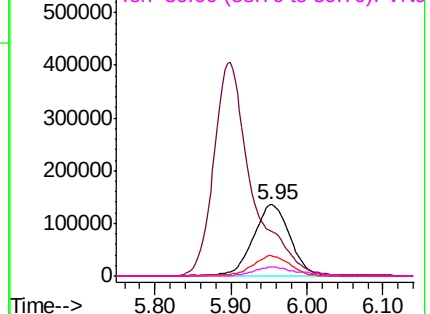
Abundance

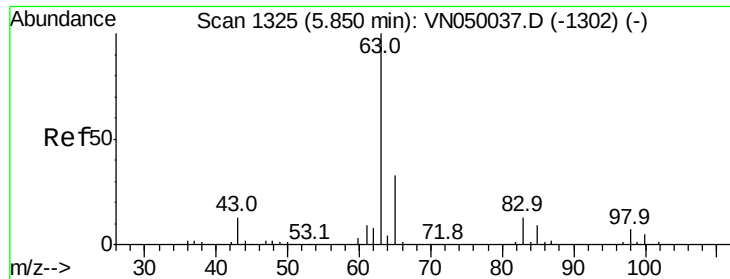
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

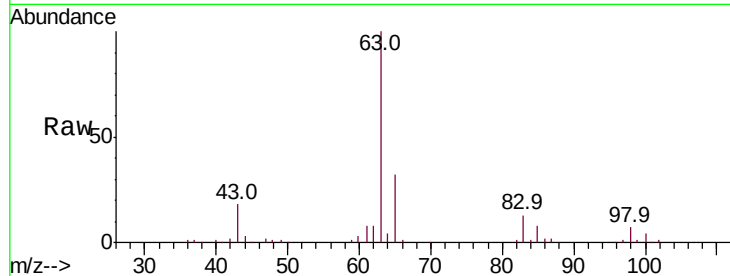




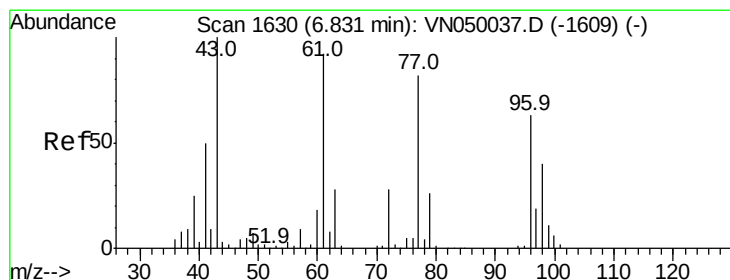
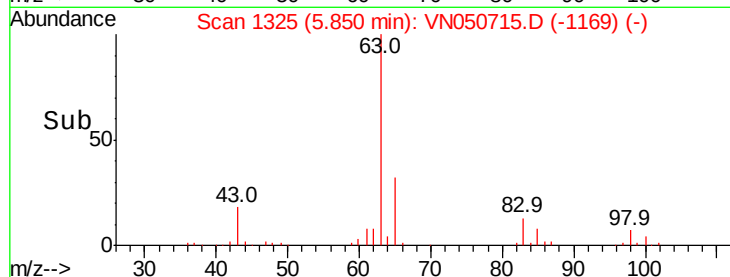
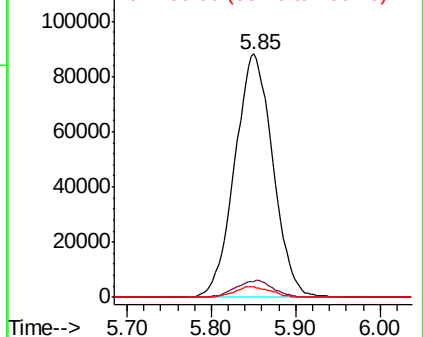
#21
 1,1-Dichloroethane
 Concen: 20.781 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.6
100	4.2	2.3	6.8

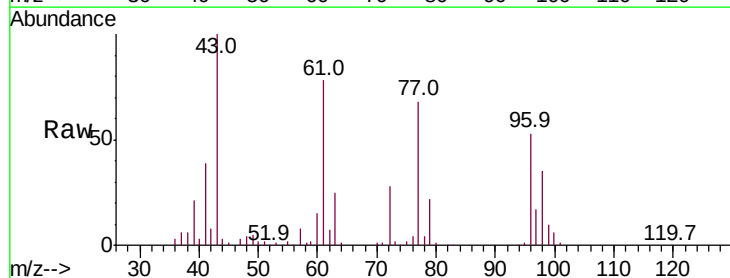


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

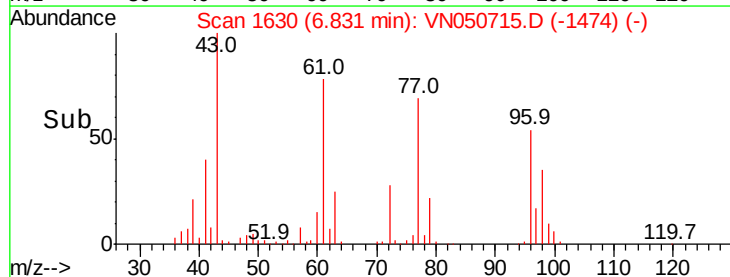
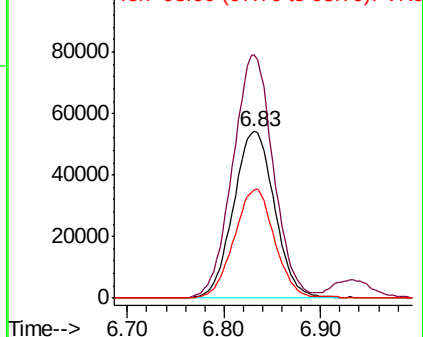


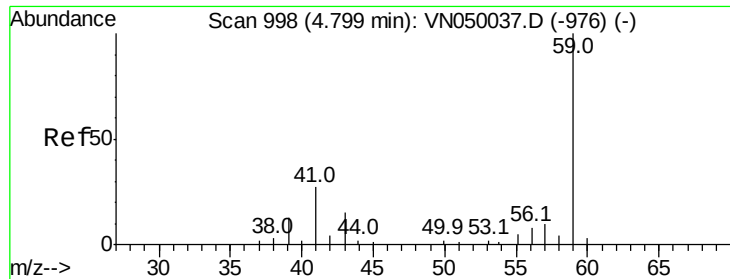
#22
 cis-1,2-Dichloroethene
 Concen: 20.614 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	114.2	171.2
98	64.4	51.7	77.5



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



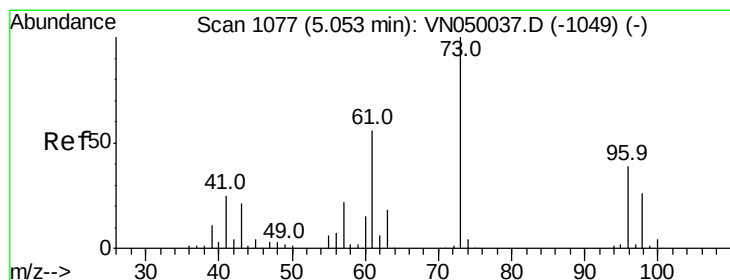
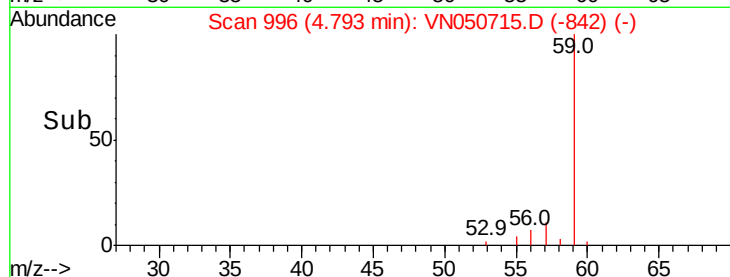
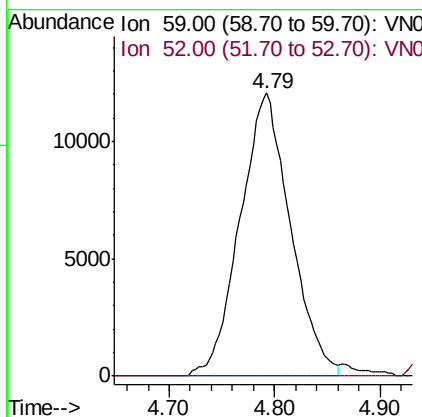
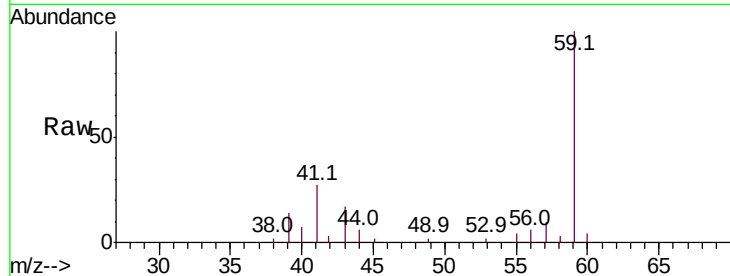


#23

tert-Butyl Alcohol
 Concen: 71.715 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Instrument :
 MSVOA_N
 ClientSampleId :

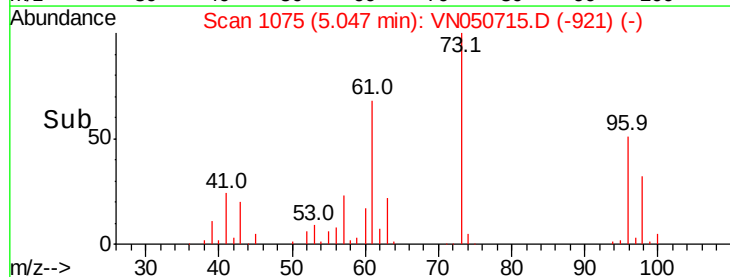
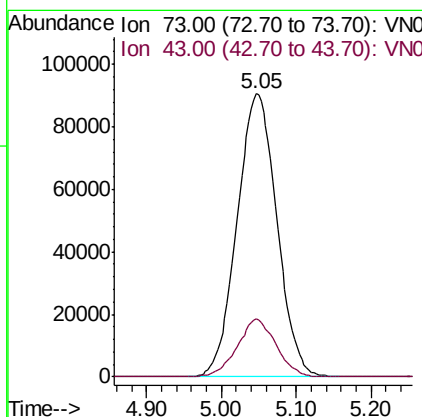
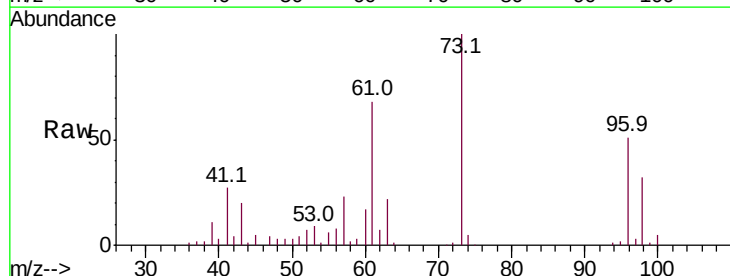
Tot Ion: 59 Resp: 40088
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

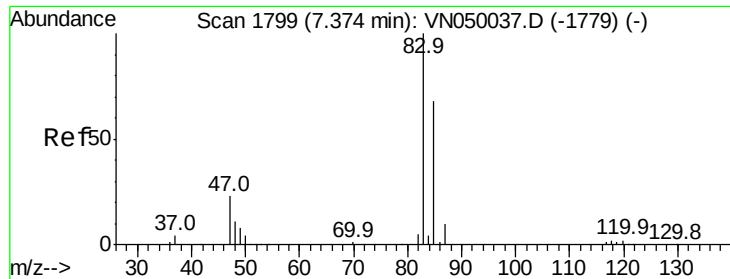


#24

Methyl tert-Butyl Ether
 Concen: 18.753 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion: 73 Resp: 334704
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.5 23.3

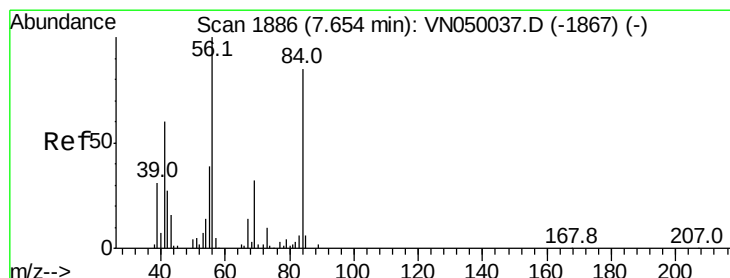
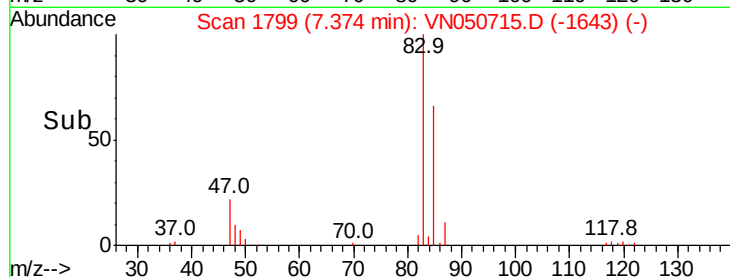
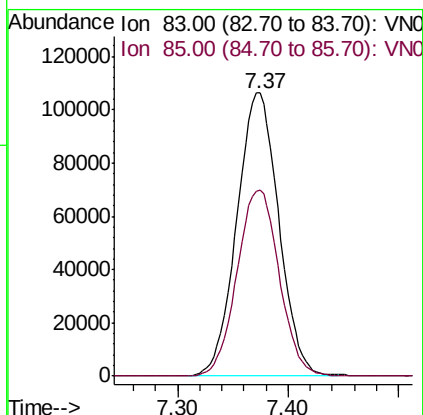
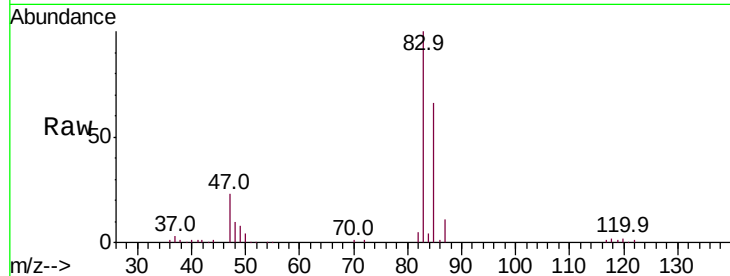




#25
Chloroform
Concen: 20.746 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

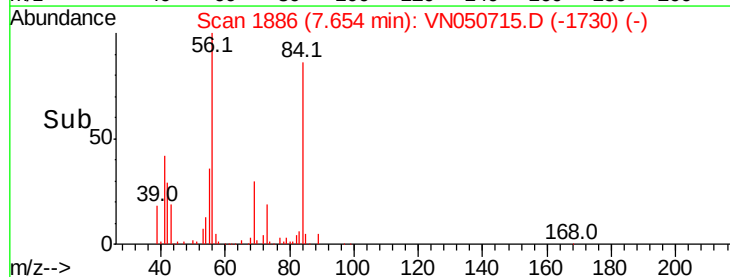
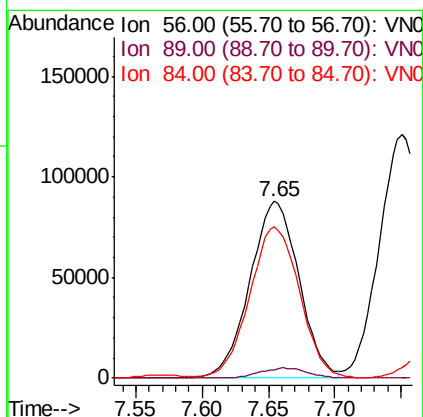
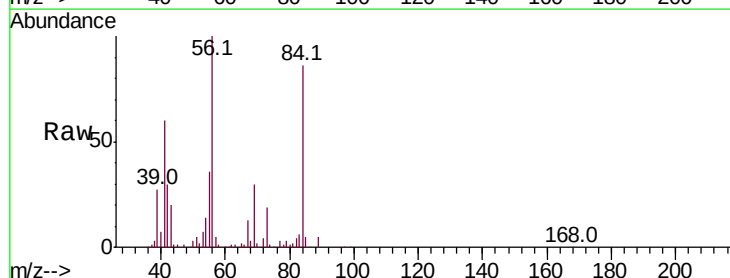
Instrument :
MSVOA_N
ClientSampled :

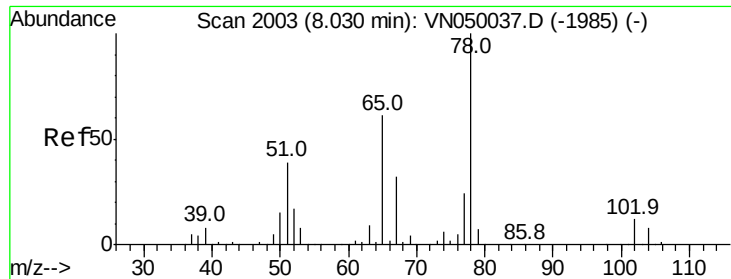
Tot Ion: 83 Resp: 279858
Ion Ratio Lower Upper
83 100
85 65.8 52.1 78.1



#26
Cyclohexane
Concen: 21.419 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 56 Resp: 226813
Ion Ratio Lower Upper
56 100
89 5.6 3.0 4.4#
84 87.3 69.8 104.8

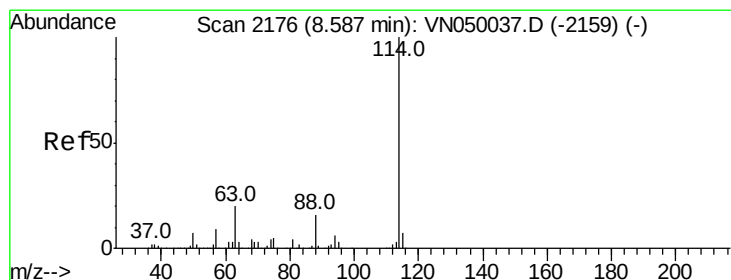
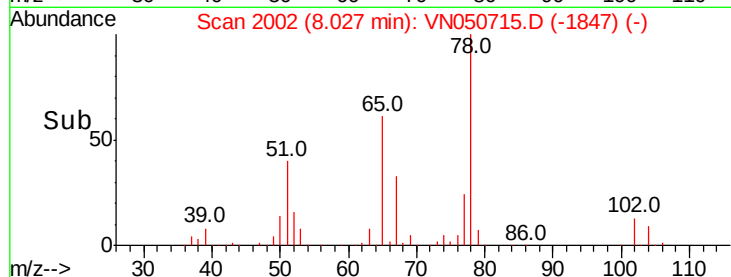
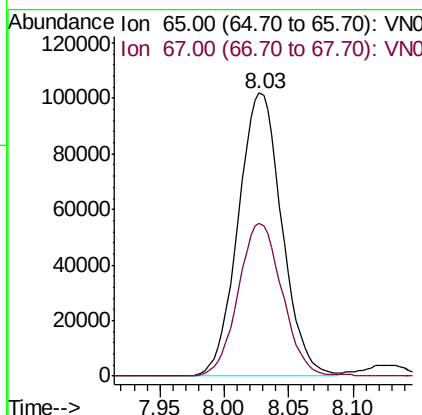
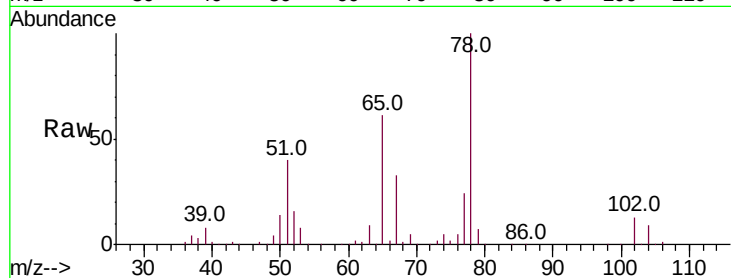




#27
 1,2-Dichloroethane-d4
 Concen: 28.876 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

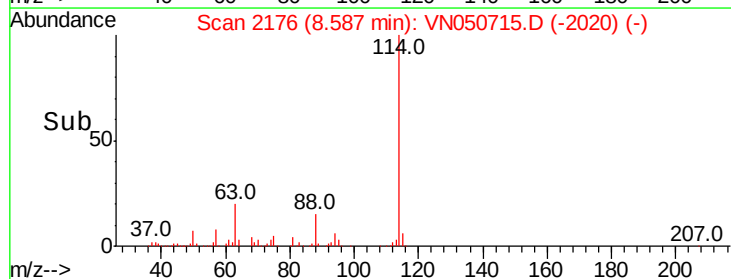
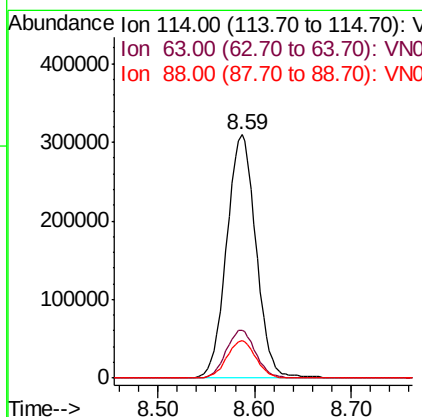
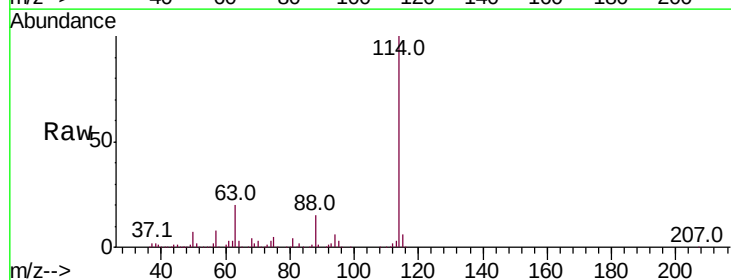
Instrument :
 MSVOA_N
 ClientSampled :

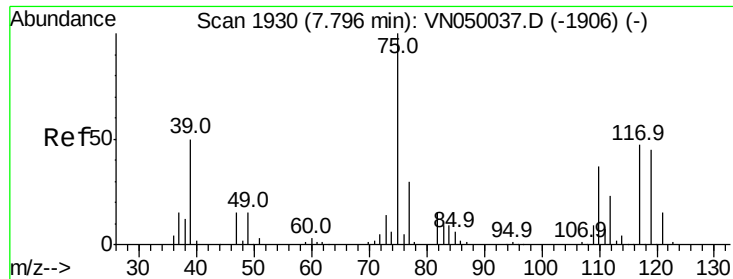
Tot Ion: 65 Resp: 240930
 Ion Ratio Lower Upper
 65 100
 67 54.2 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion:114 Resp: 652337
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.927 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

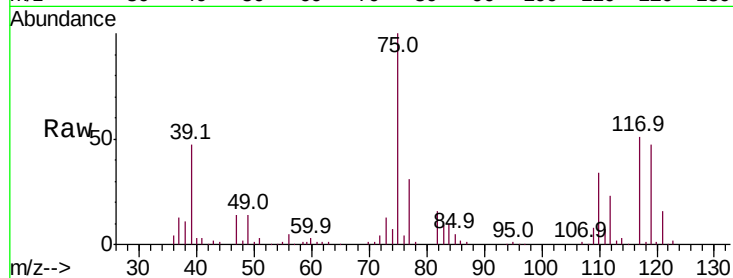
Tot Ion: 75 Resp: 211858

Ion Ratio Lower Upper

75 100

110 35.3 0.0 73.2

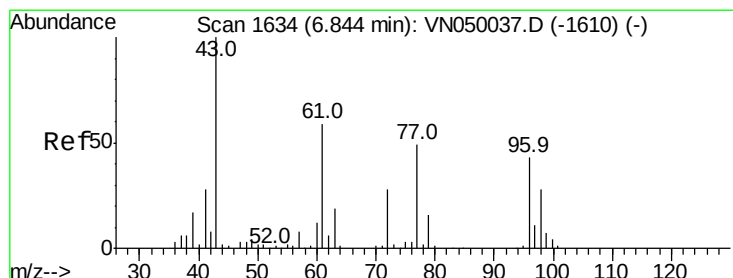
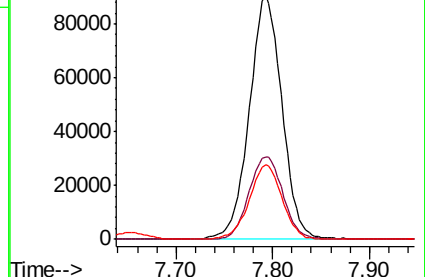
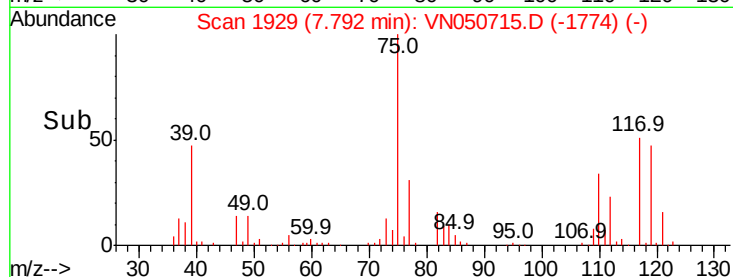
77 31.0 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-1906) (-)

Ion 110.00 (109.70 to 110.70): VN050037.D (-1906) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-1906) (-)



#30

2-Butanone

Concen: 101.798 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

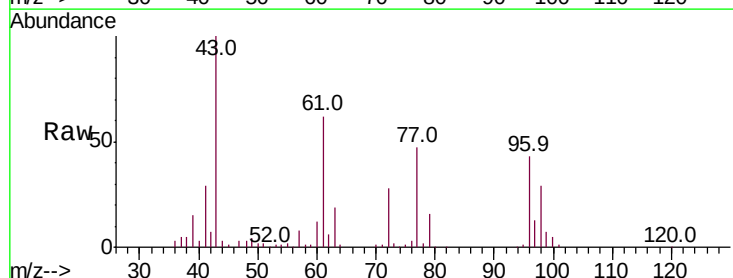
Tgt Ion: 43 Resp: 323392

Ion Ratio Lower Upper

43 100

57 8.5 6.8 10.2

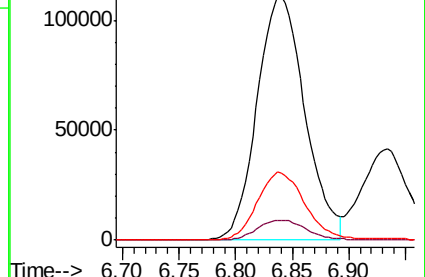
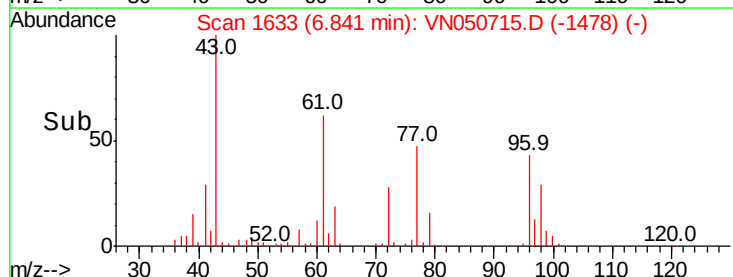
72 27.9 21.4 32.0

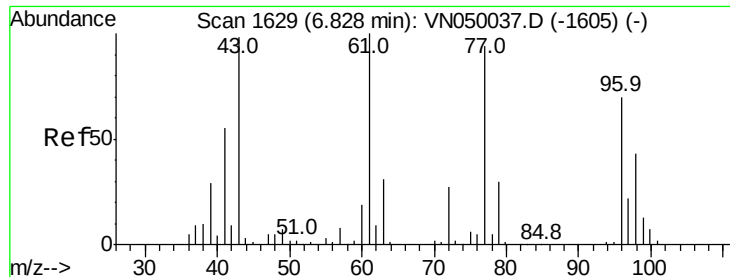


Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1610) (-)

Ion 57.00 (56.70 to 57.70): VN050037.D (-1610) (-)

Ion 72.00 (71.70 to 72.70): VN050037.D (-1610) (-)





#31

2,2-Dichloropropane

Concen: 20.200 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

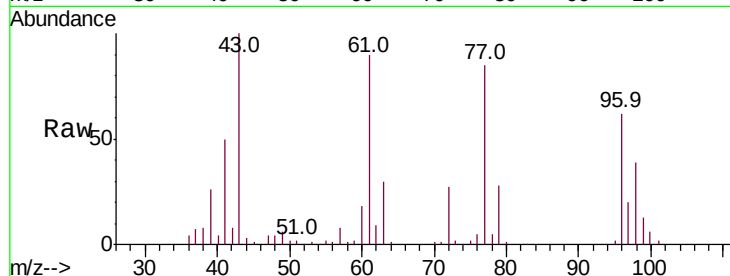
ClientSampleId :

Tot Ion: 77 Resp: 226053

Ion Ratio Lower Upper

77 100

97 24.0 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.82

80000

60000

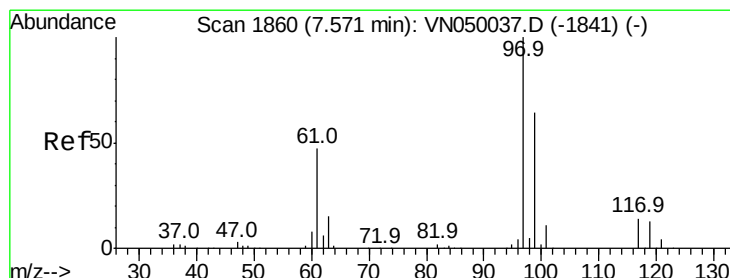
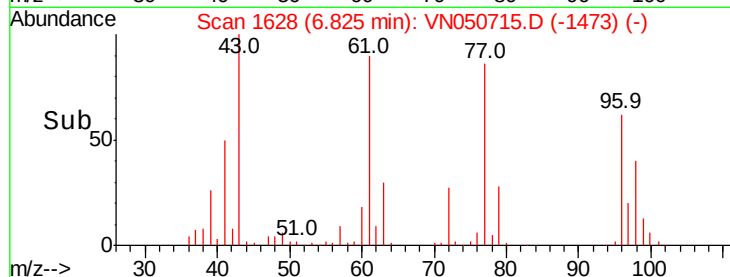
40000

20000

0

Time-->

6.70 6.80 6.90



#32

1,1,1-Trichloroethane

Concen: 19.807 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

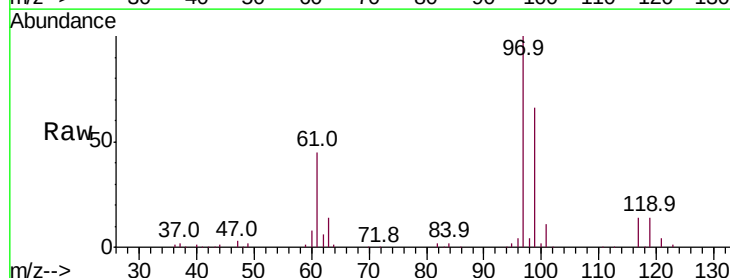
Tgt Ion: 97 Resp: 236028

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 44.5 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

80000

60000

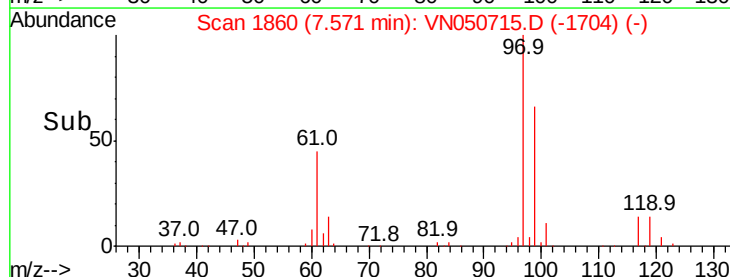
40000

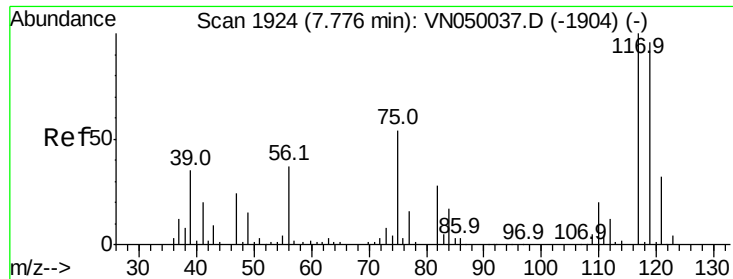
20000

0

Time-->

7.50 7.60

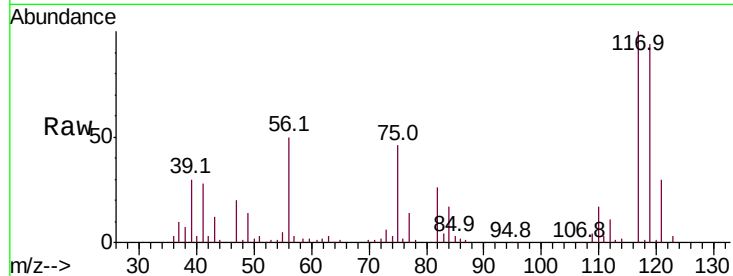




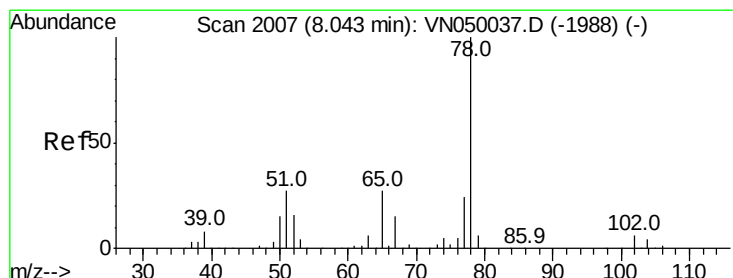
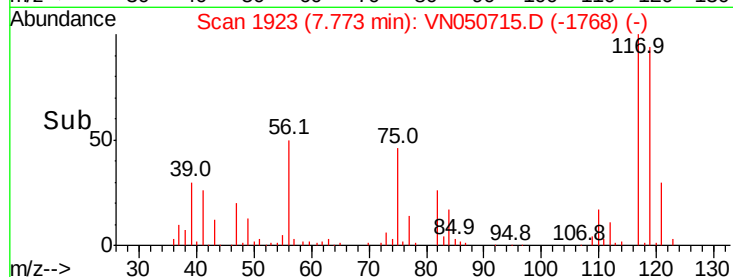
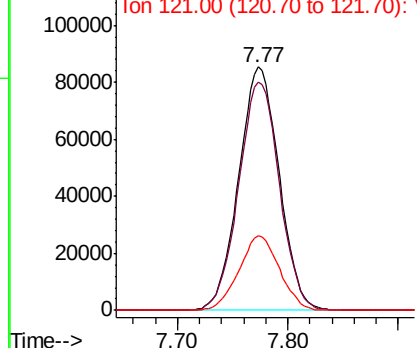
#33
Carbon Tetrachloride
Concen: 20.402 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 216710
Ion Ratio Lower Upper
117 100
119 93.9 76.9 115.3
121 30.4 24.4 36.6

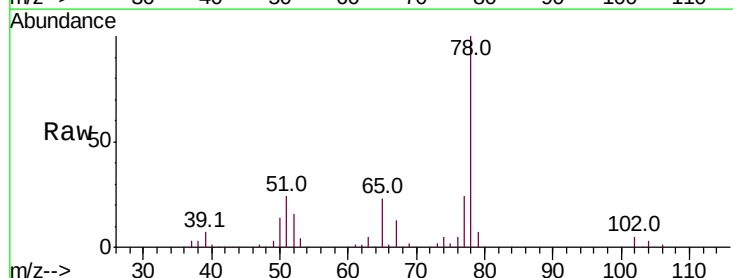


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

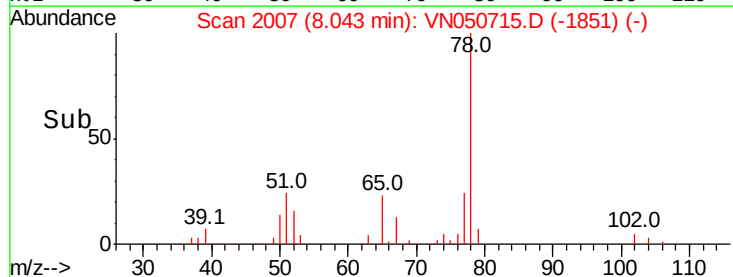
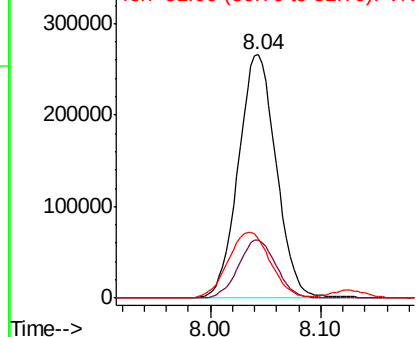


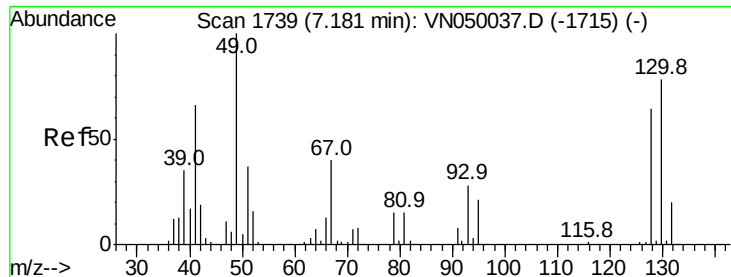
#34
Benzene
Concen: 20.558 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 78 Resp: 632053
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7
51 24.2 21.0 31.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

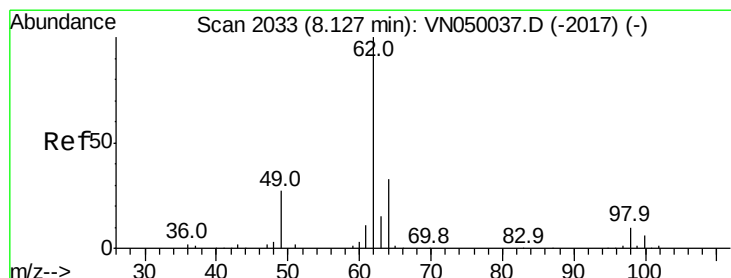
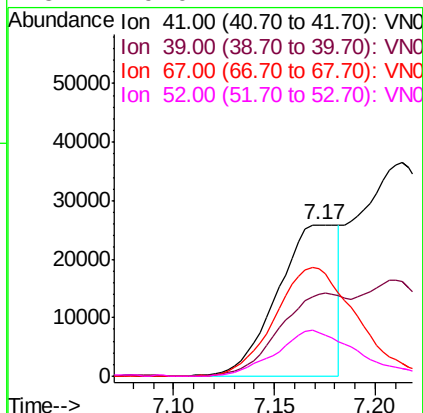
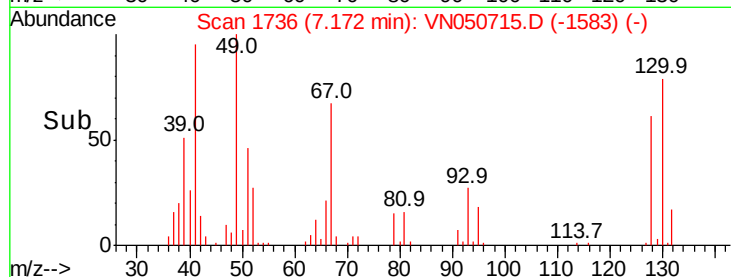
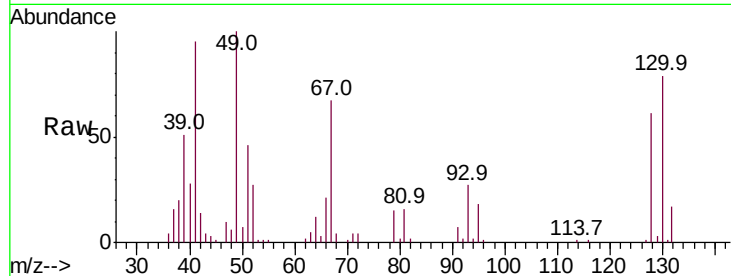




#35
Methacrylonitrile
Concen: 14.794 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

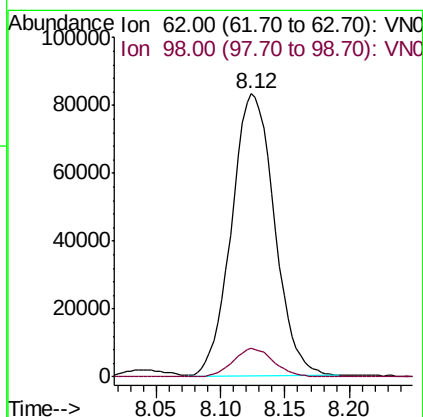
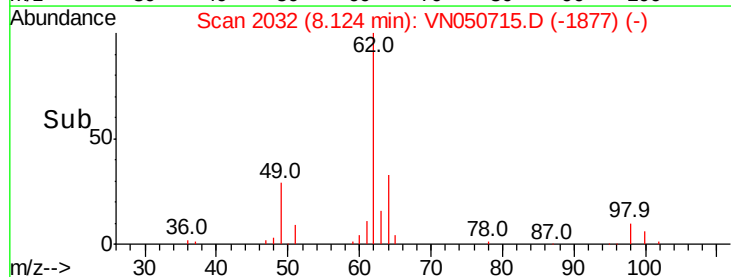
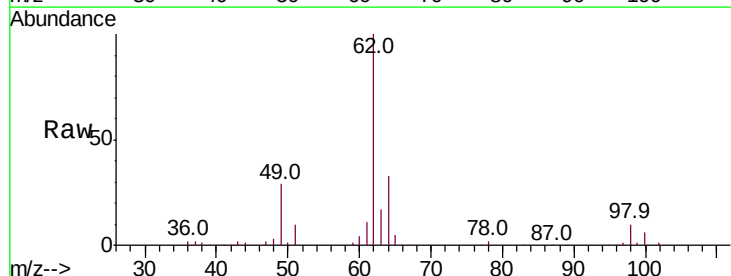
Instrument :
MSVOA_N
ClientSampled :

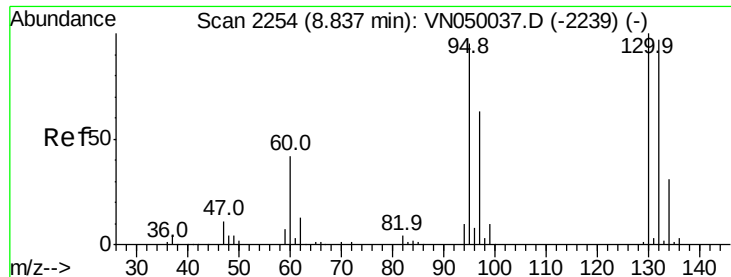
Tot Ion: 41 Resp: 53512
Ion Ratio Lower Upper
41 100
39 54.1 27.6 82.7
67 71.2 35.1 105.5
52 29.0 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.030 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 62 Resp: 192109
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6





#37

Trichloroethene

Concen: 20.328 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

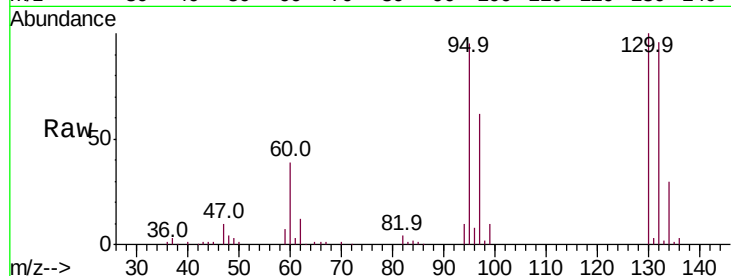
ClientSampleId :

Tot Ion:130 Resp: 163922

Ion Ratio Lower Upper

130 100

95 94.8 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)

Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

8.83

80000

60000

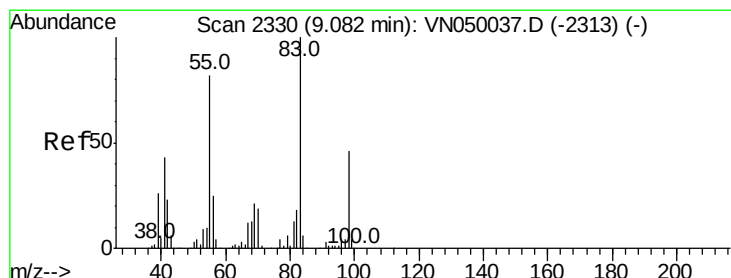
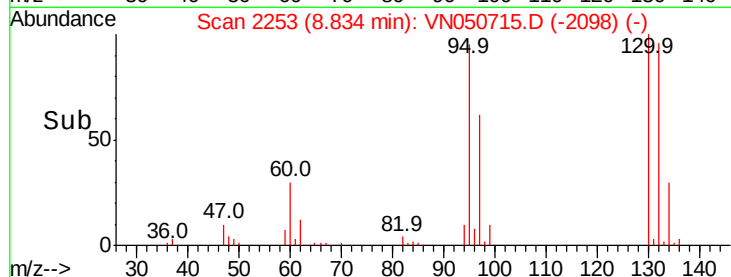
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.306 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

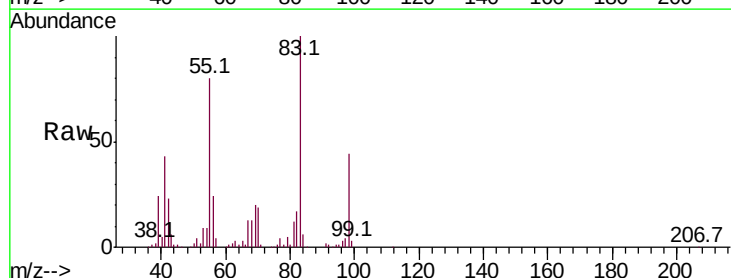
Tgt Ion: 83 Resp: 216720

Ion Ratio Lower Upper

83 100

55 79.4 39.3 117.8

98 45.9 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)

Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)

9.08

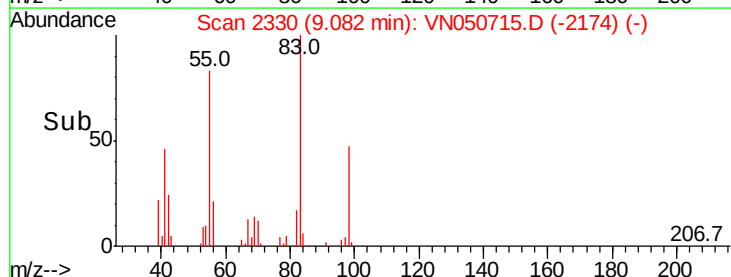
100000

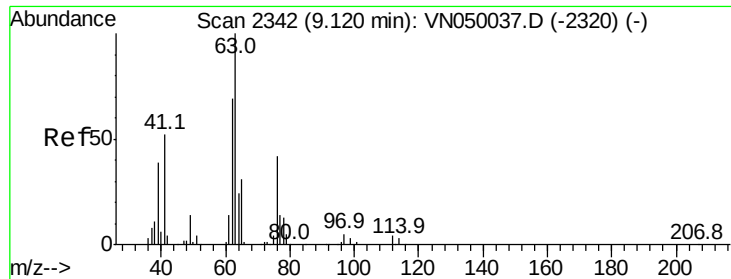
50000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 21.150 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

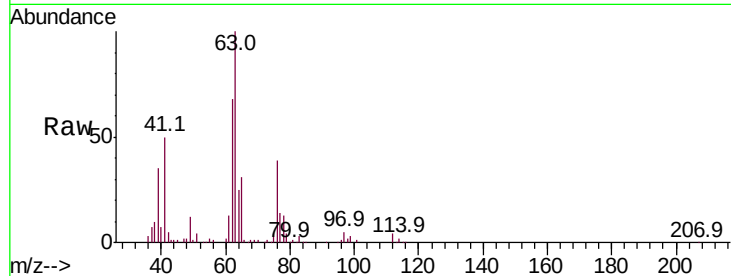
ClientSampleId :

Tot Ion: 63 Resp: 171304

Ion Ratio Lower Upper

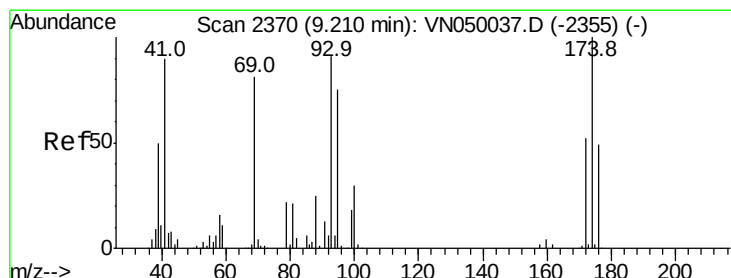
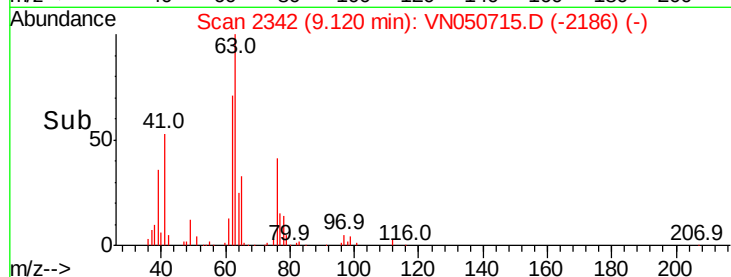
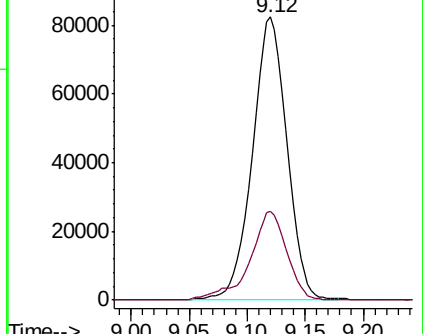
63 100

65 31.5 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.690 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

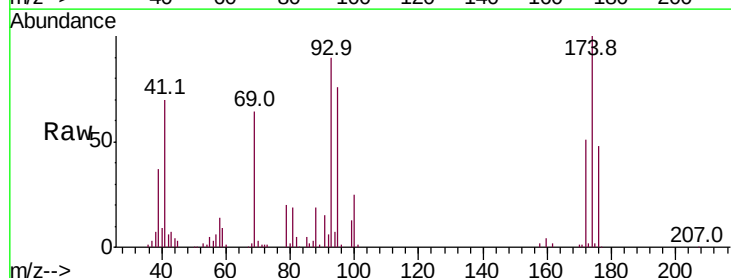
Tgt Ion: 93 Resp: 98563

Ion Ratio Lower Upper

93 100

95 82.2 0.0 165.6

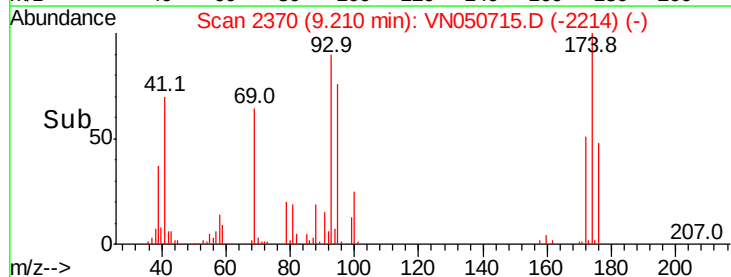
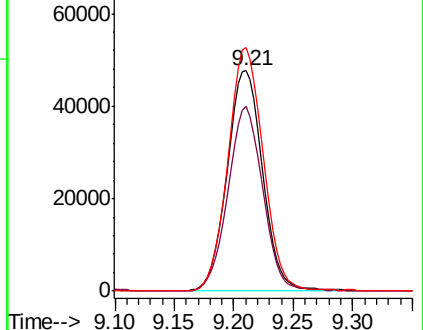
174 109.6 0.0 223.2

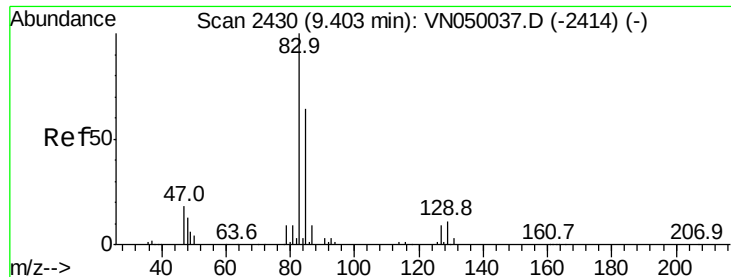


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.832 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampled :

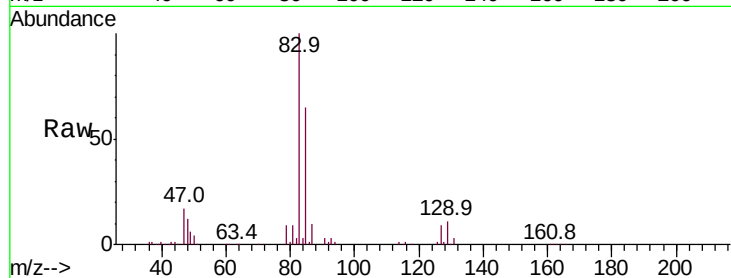
Tot Ion: 83 Resp: 209405

Ion Ratio Lower Upper

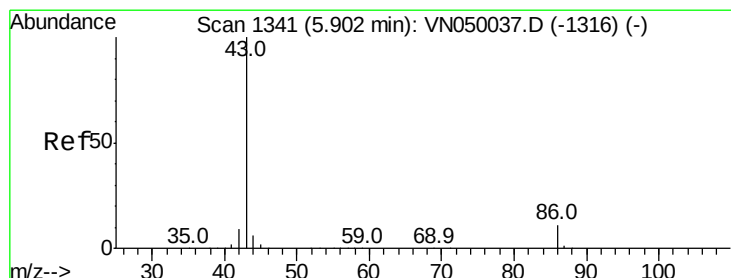
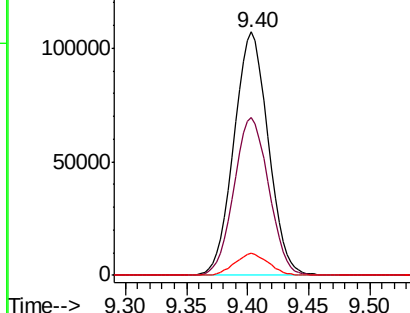
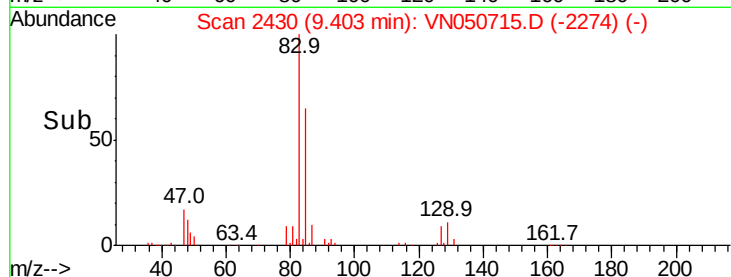
83 100

85 64.6 52.6 78.8

127 9.0 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: 94.047 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050715.D

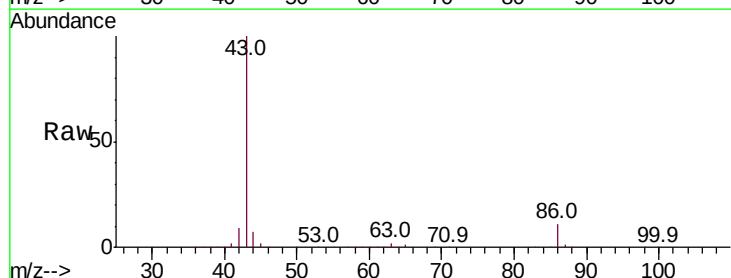
Acq: 17 Aug 2018 8:00

Tgt Ion: 43 Resp: 1405945

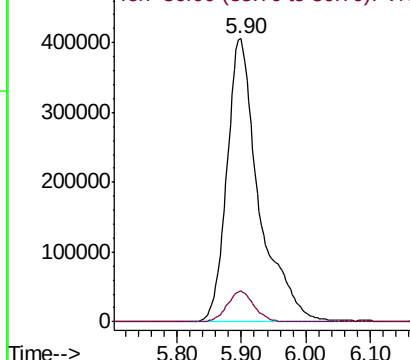
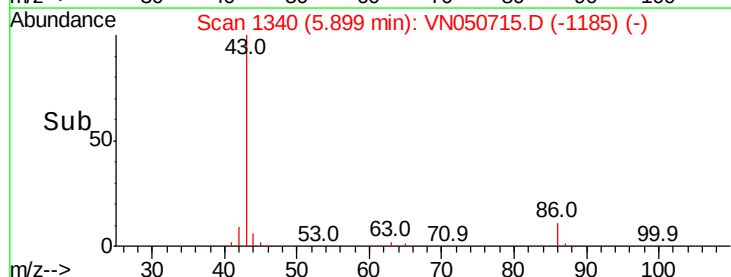
Ion Ratio Lower Upper

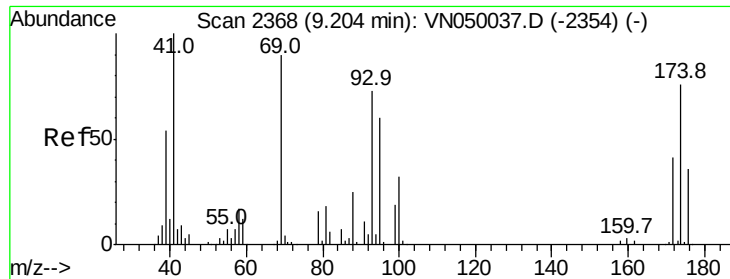
43 100

86 9.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#45

1,4-Dioxane

Concen: 336.562 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampled :

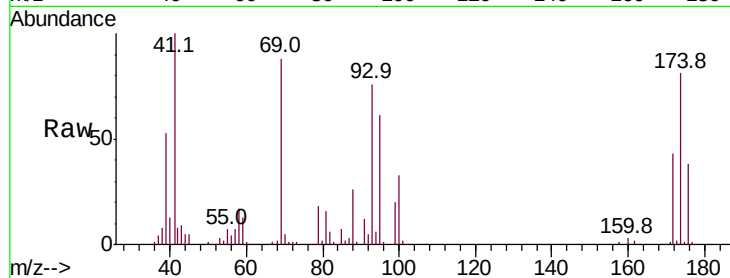
Tot Ion: 88 Resp: 27216

Ion Ratio Lower Upper

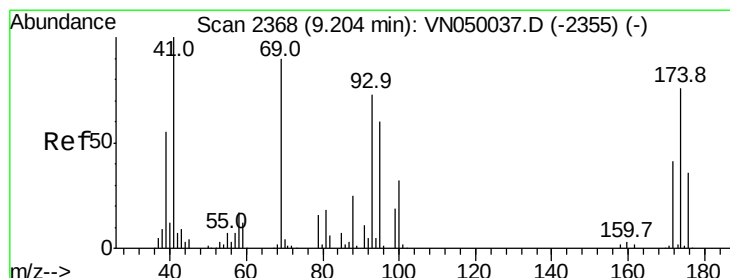
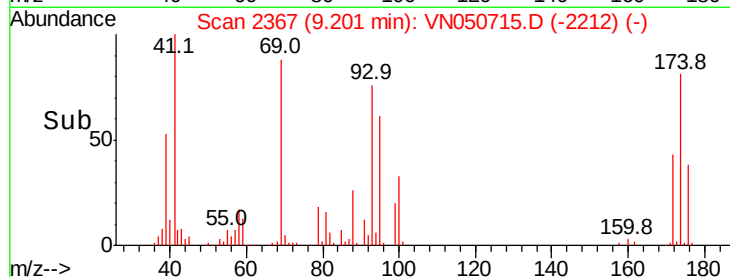
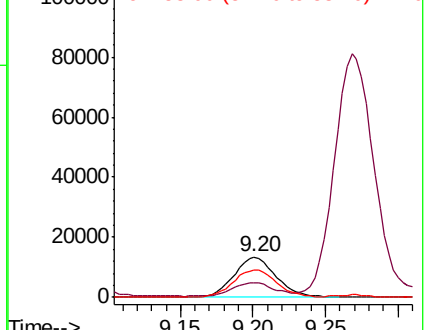
88 100

43 33.1 26.9 40.3

58 70.1 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: 15.982 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

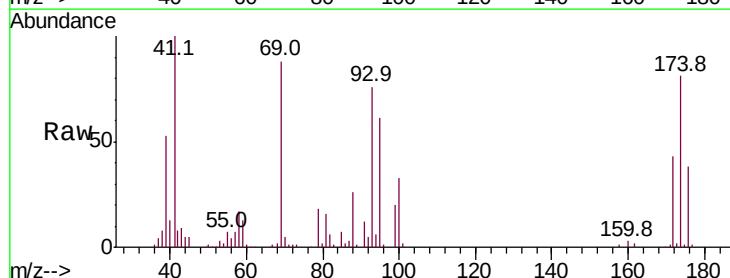
Tgt Ion: 41 Resp: 95207

Ion Ratio Lower Upper

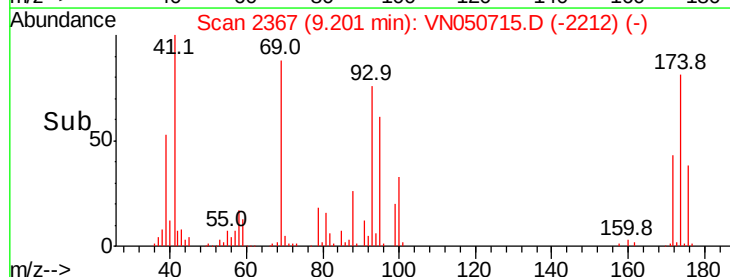
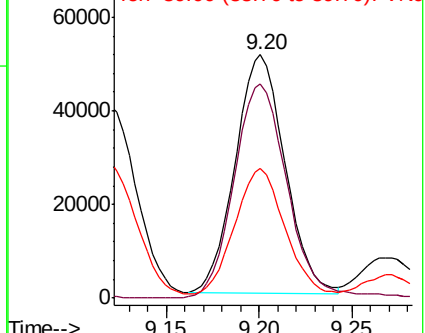
41 100

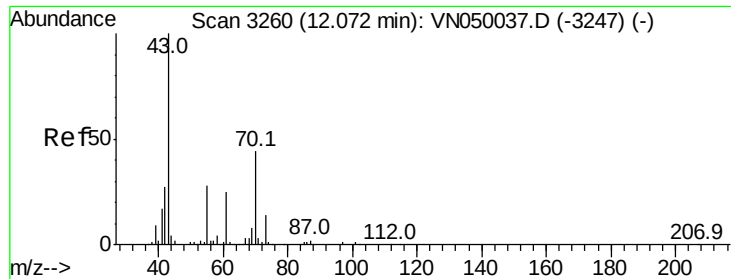
69 89.1 44.0 132.1

39 52.9 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: 16.395 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

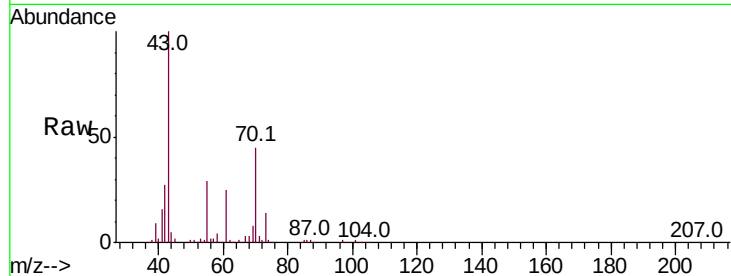
ClientSampled :

Tot Ion: 43 Resp: 156770

Ion Ratio Lower Upper

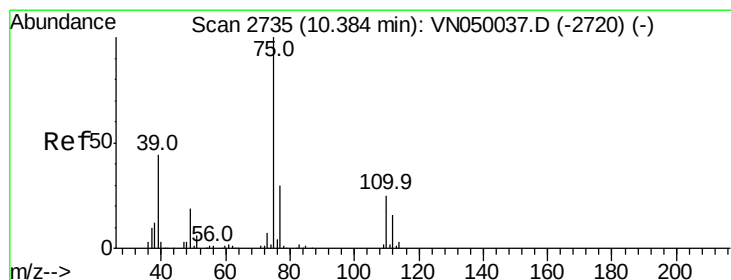
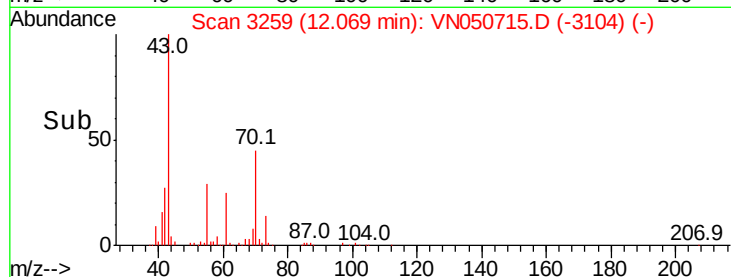
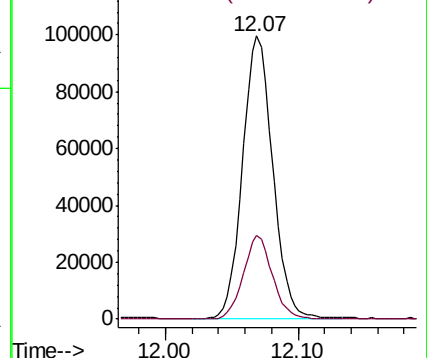
43 100

55 28.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.662 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050715.D

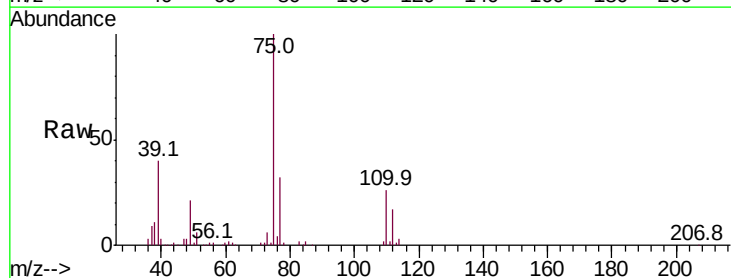
Acq: 17 Aug 2018 8:00

Tgt Ion: 75 Resp: 197896

Ion Ratio Lower Upper

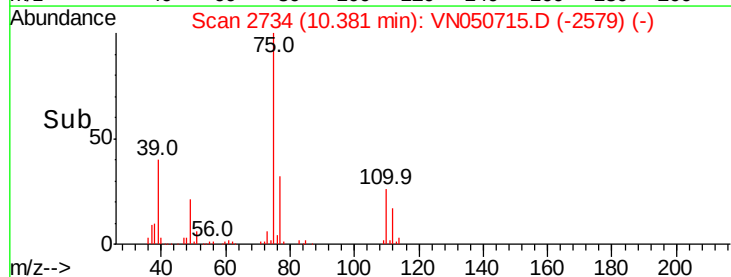
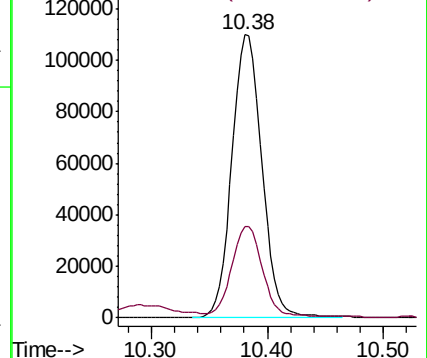
75 100

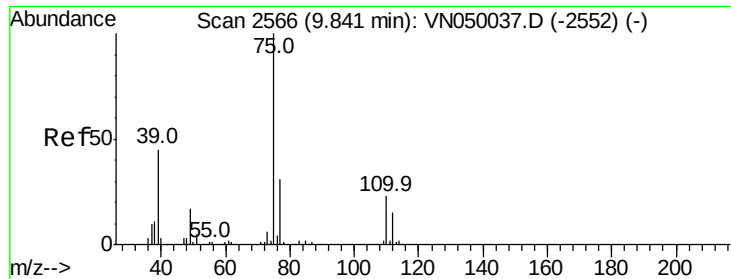
77 31.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

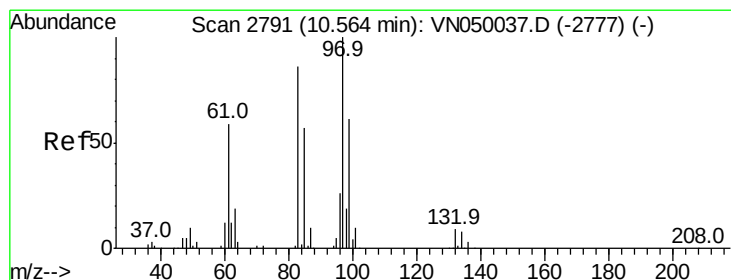
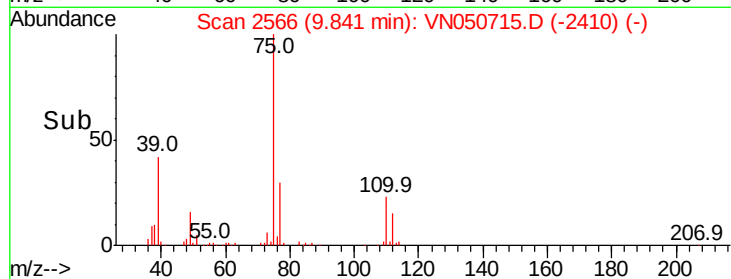
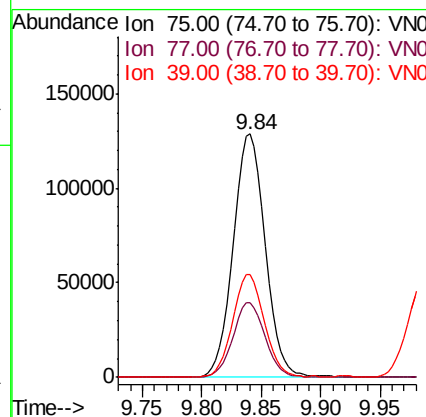
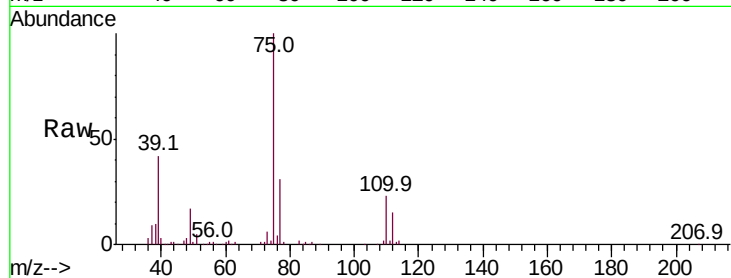




#49
 cis-1,3-Dichloropropene
 Concen: 20.361 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

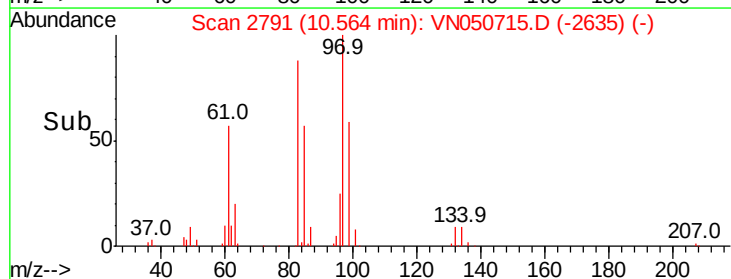
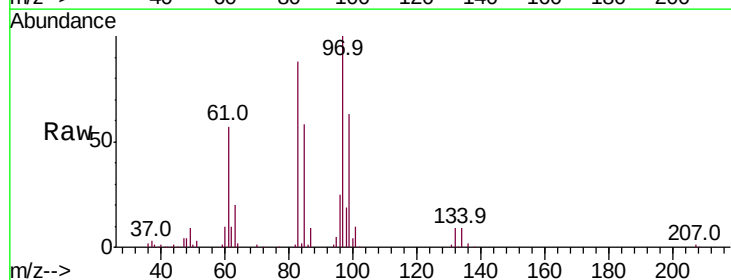
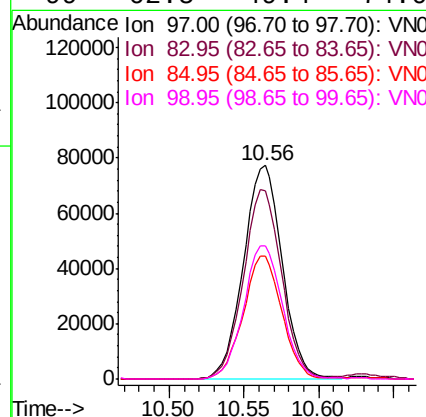
Instrument :
 MSVOA_N
 ClientSampleId :

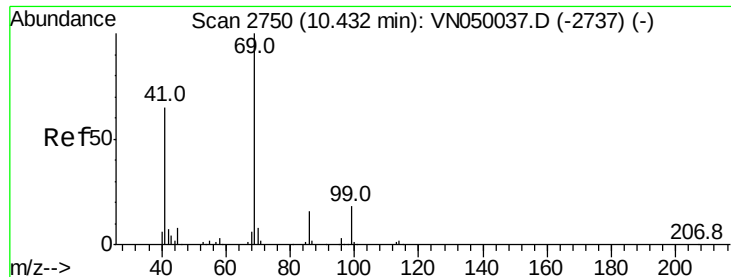
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5
39	42.3	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 19.455 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.1	102.1
85	57.6	45.4	68.2
99	62.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.541 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampled :

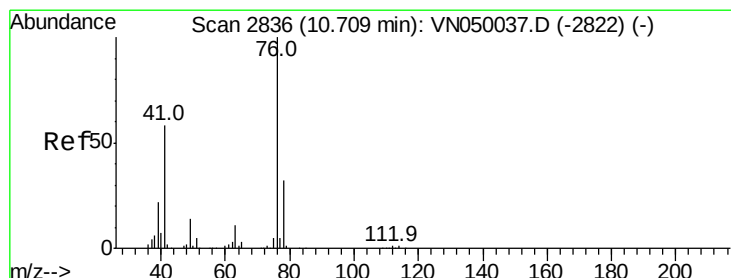
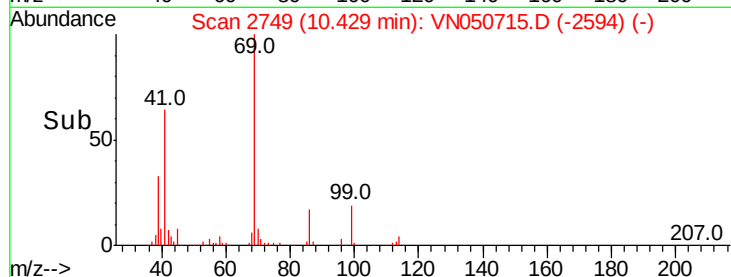
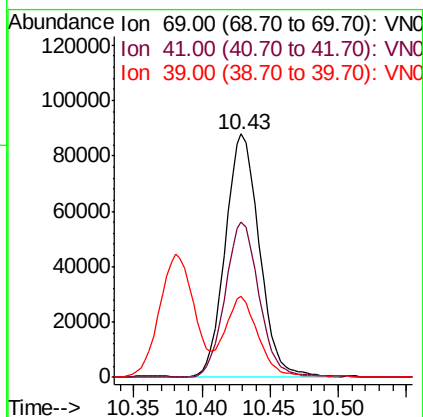
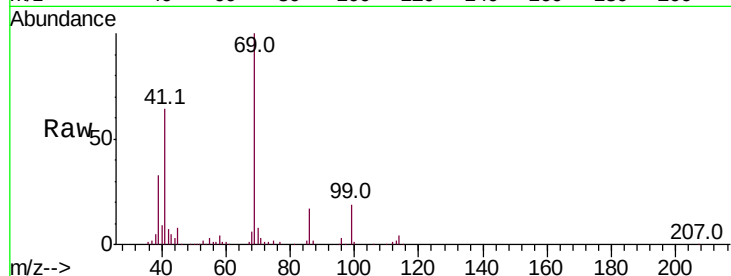
Tot Ion: 69 Resp: 152979

Ion Ratio Lower Upper

69 100

41 63.6 31.9 95.9

39 32.8 16.7 50.1



#52

1,3-Dichloropropane

Concen: 19.652 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050715.D

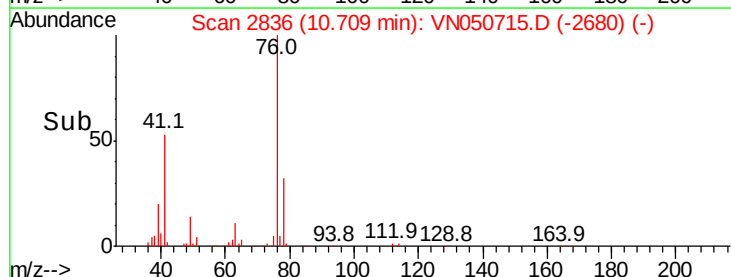
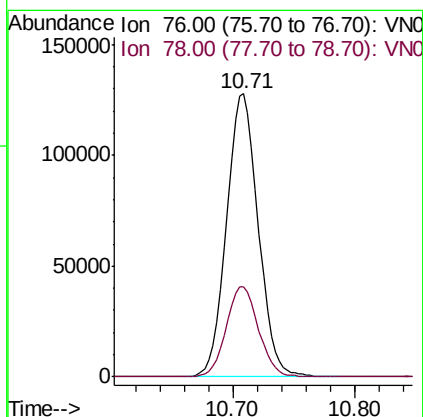
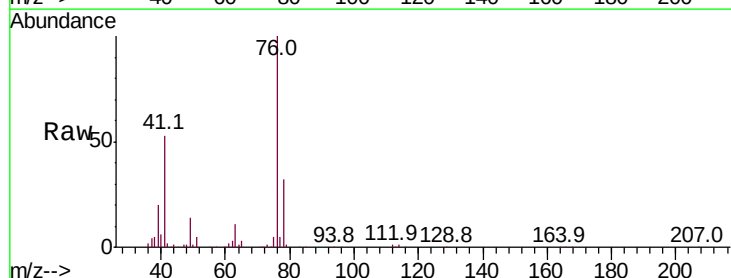
Acq: 17 Aug 2018 8:00

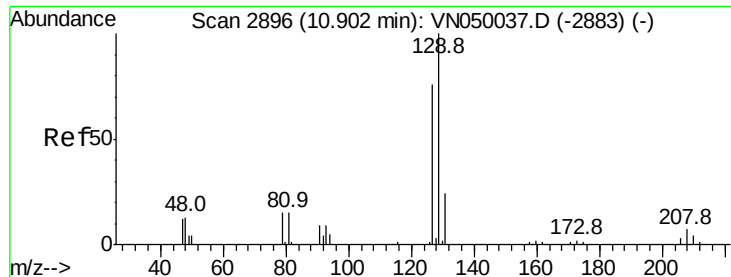
Tgt Ion: 76 Resp: 231874

Ion Ratio Lower Upper

76 100

78 32.4 0.0 65.6





#53

Dibromochloromethane

Concen: 19.135 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

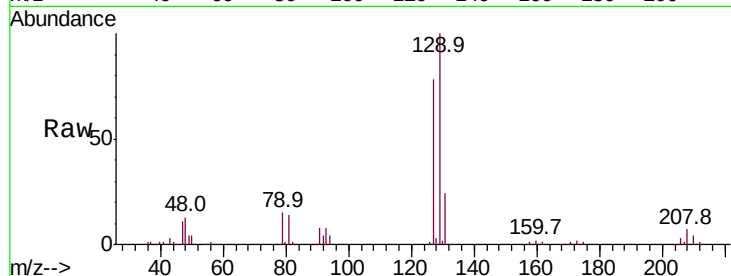
ClientSampled :

Tot Ion:129 Resp: 156031

Ion Ratio Lower Upper

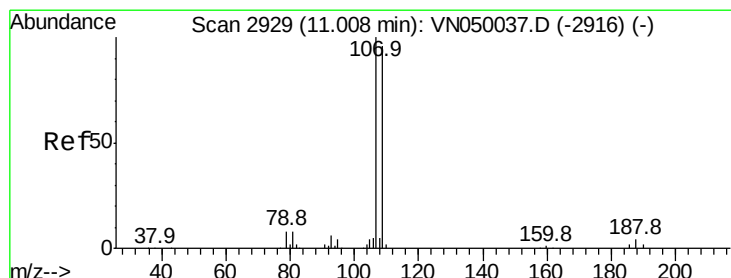
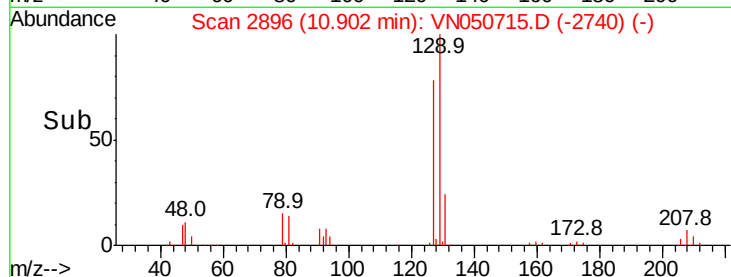
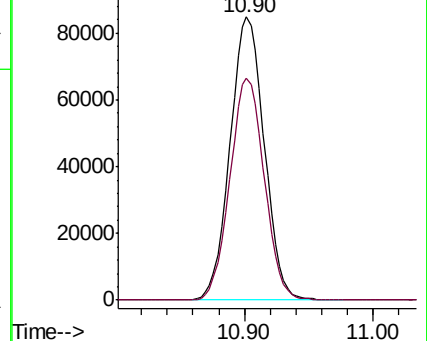
129 100

127 78.6 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.727 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050715.D

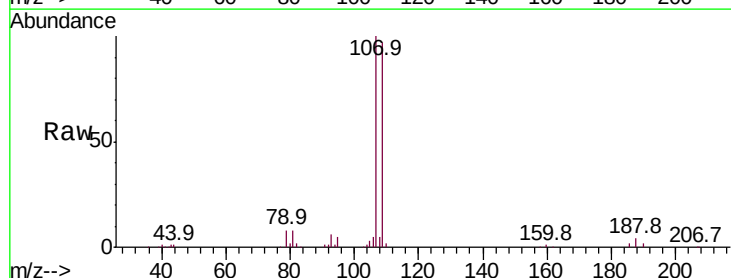
Acq: 17 Aug 2018 8:00

Tgt Ion:107 Resp: 131783

Ion Ratio Lower Upper

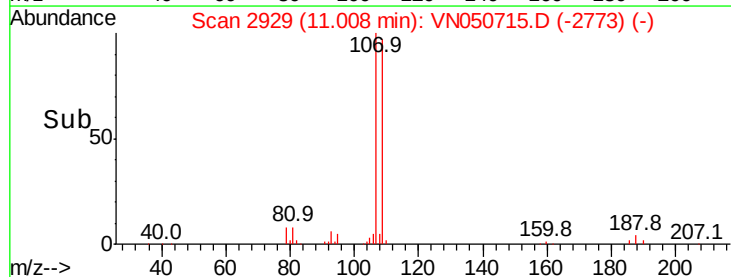
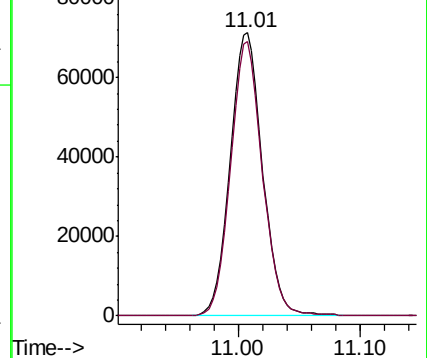
107 100

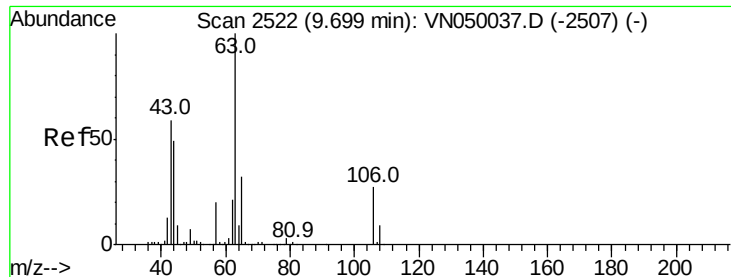
109 95.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

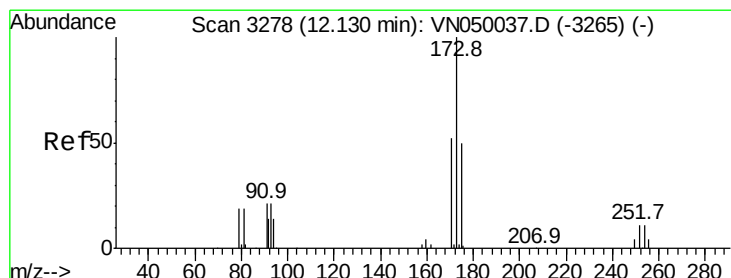
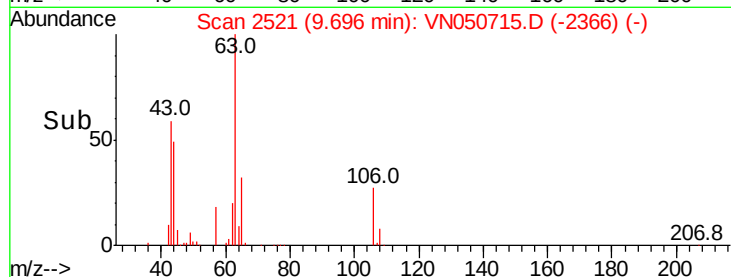
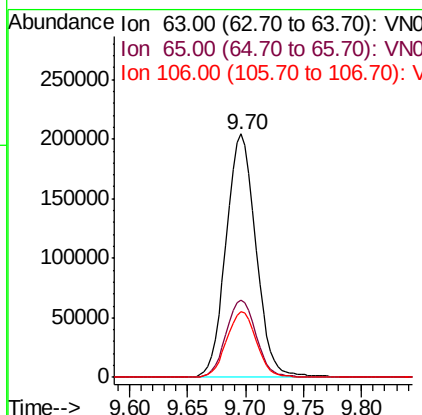
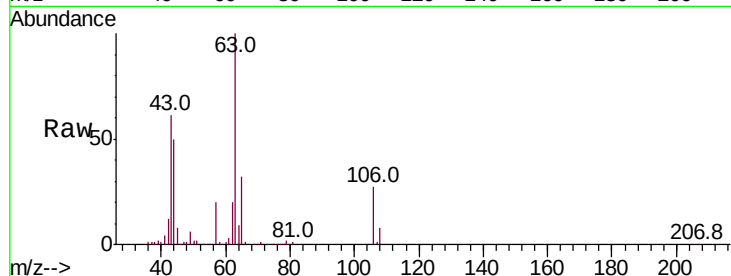




#55
2-Chloroethyl vinyl ether
Concen: 92.148 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

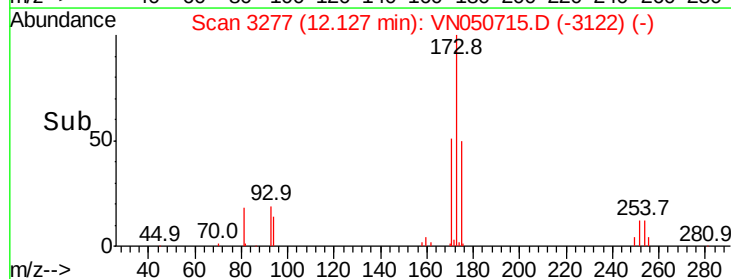
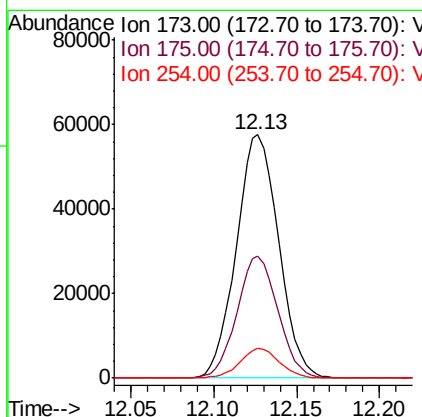
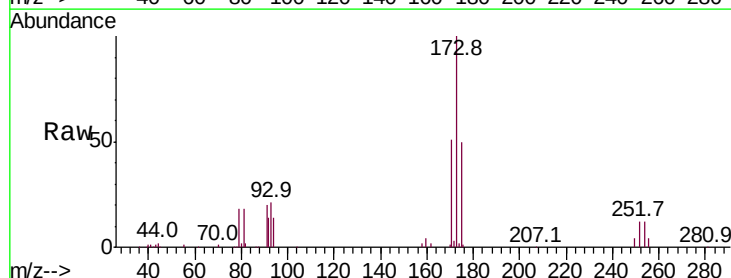
Instrument :
MSVOA_N
ClientSampled :

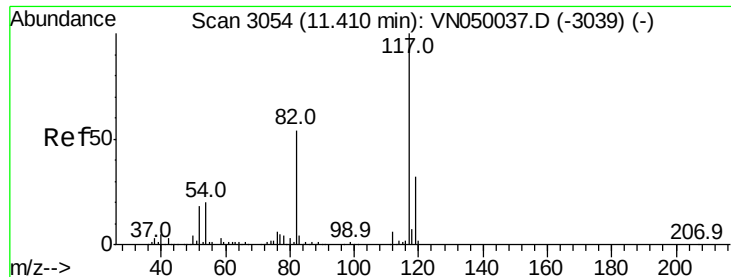
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	27.1	21.8	32.6



#56
Bromoform
Concen: 17.820 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	57.8
254	11.4	8.8	13.2

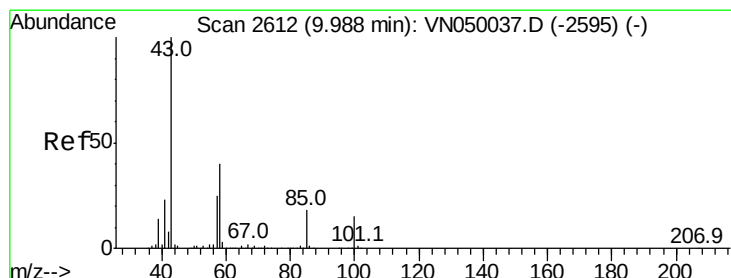
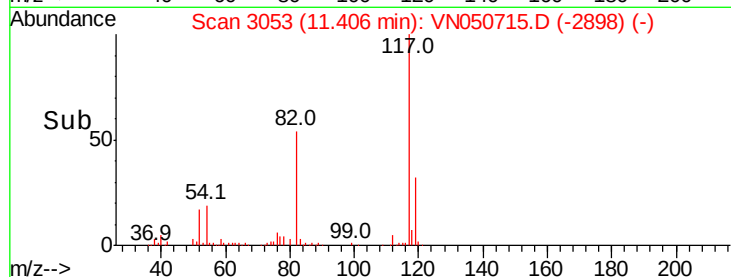
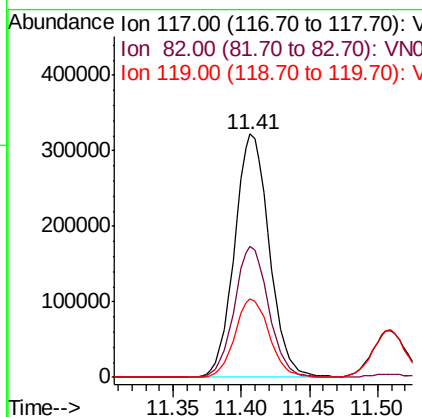
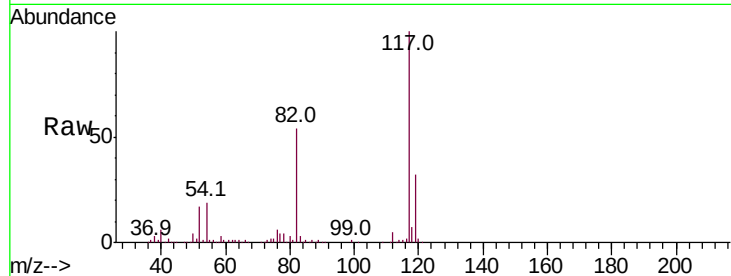




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

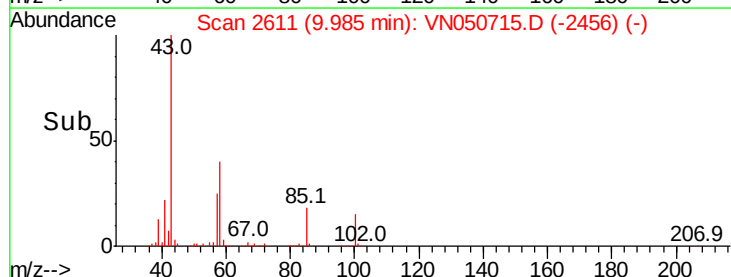
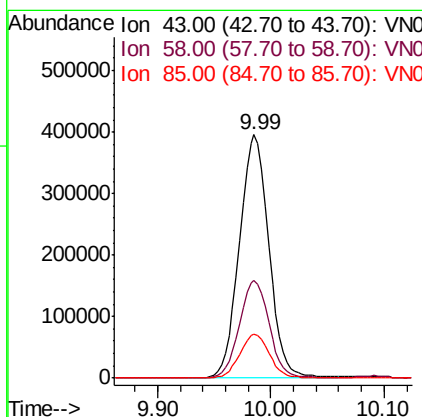
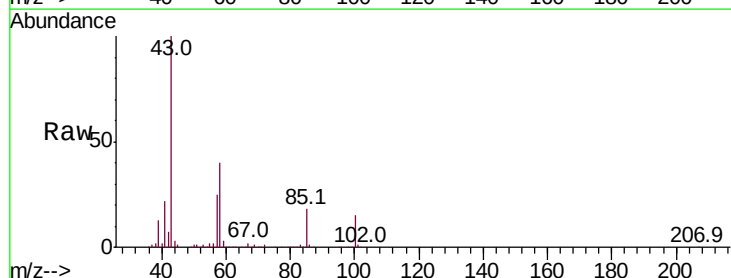
Instrument :
MSVOA_N
ClientSampleId :

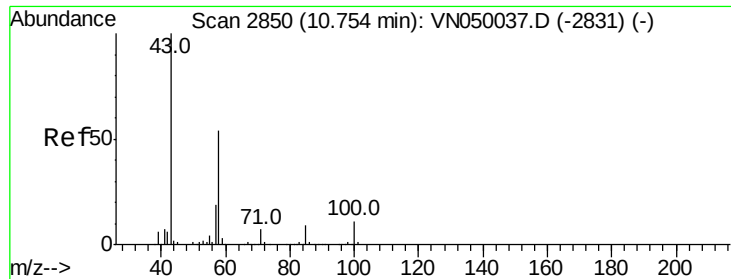
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	32.0	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 108.331 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.2	46.8
85	18.2	14.4	21.6

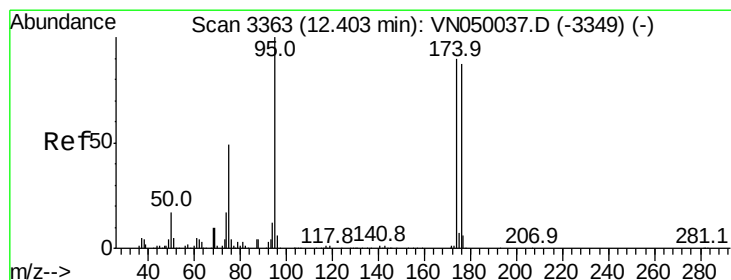
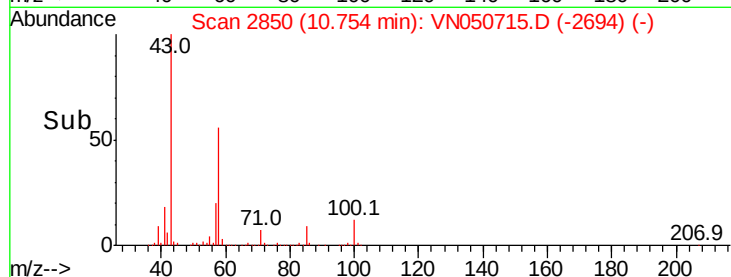
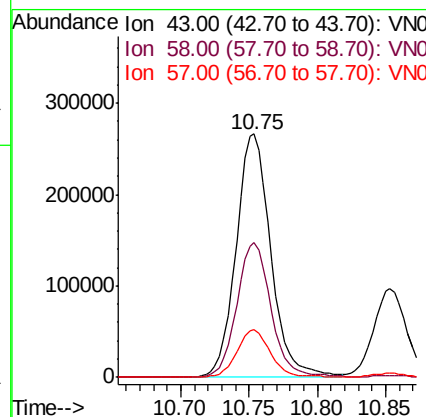
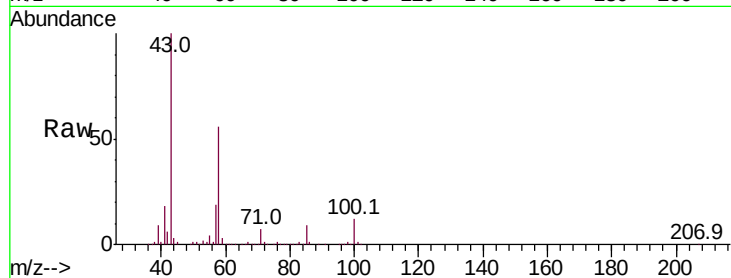




#59
2-Hexanone
Concen: 103.540 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

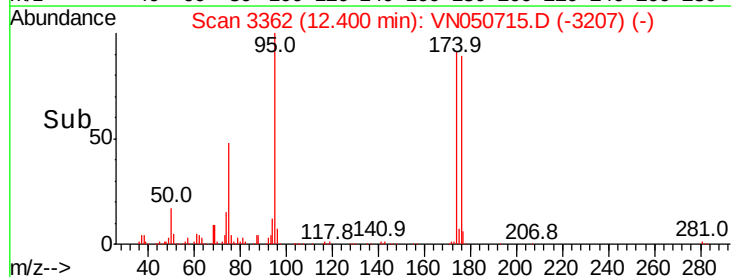
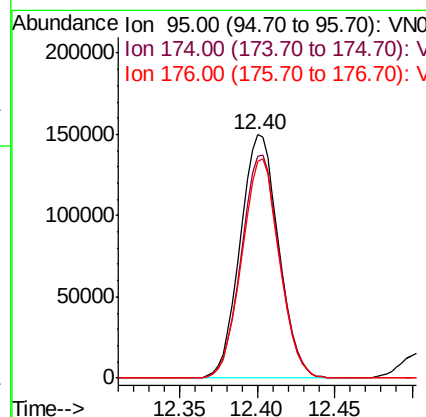
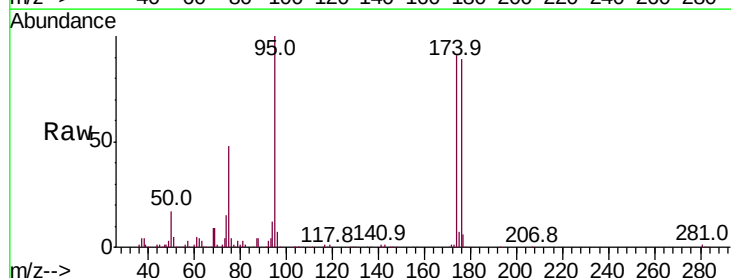
Instrument :
MSVOA_N
ClientSampleId :

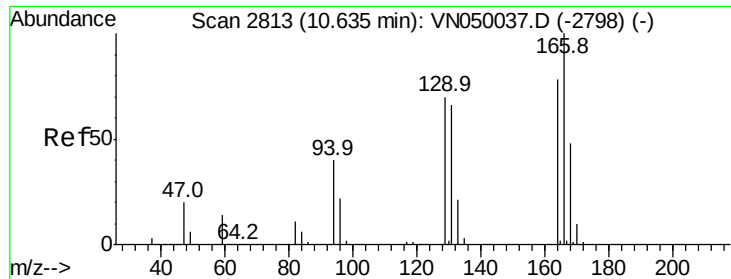
Tot Ion: 43 Resp: 469019
Ion Ratio Lower Upper
43 100
58 54.9 43.8 65.8
57 19.0 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.429 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 95 Resp: 257997
Ion Ratio Lower Upper
95 100
174 91.3 72.3 108.5
176 88.3 70.0 105.0

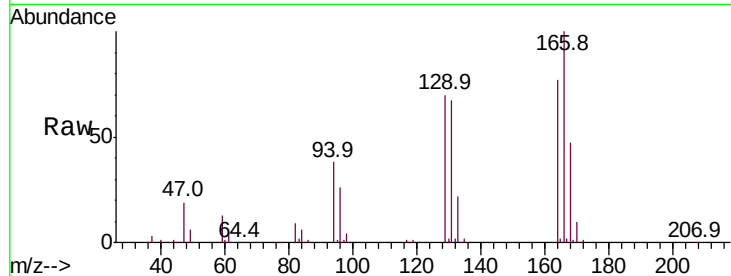




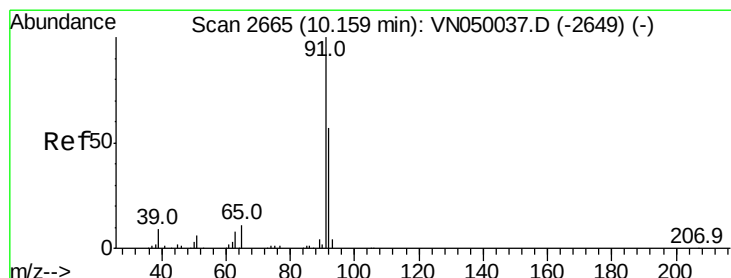
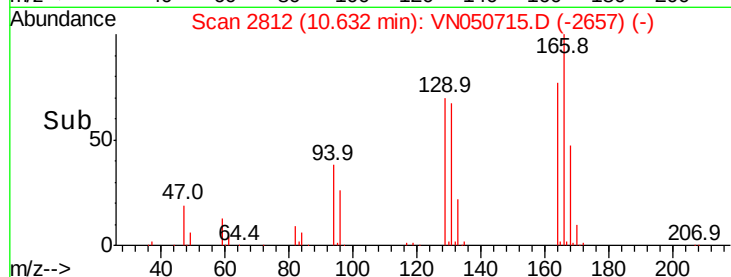
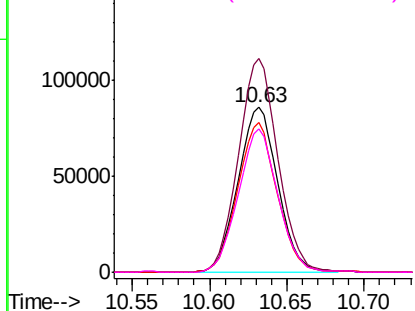
#61
Tetrachloroethene
Concen: 19.802 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 153053
Ion Ratio Lower Upper
164 100
166 129.7 100.0 150.0
129 90.7 69.3 103.9
131 86.7 68.8 103.2

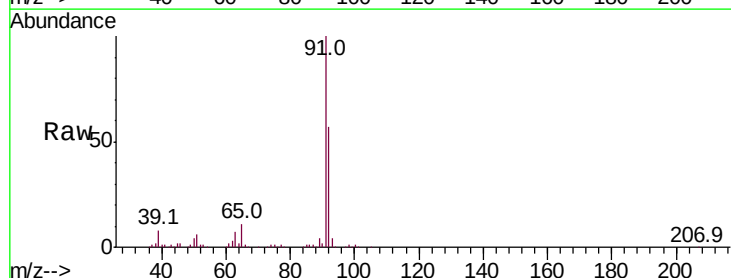


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

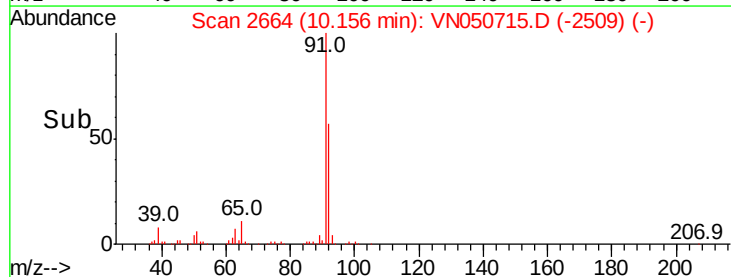
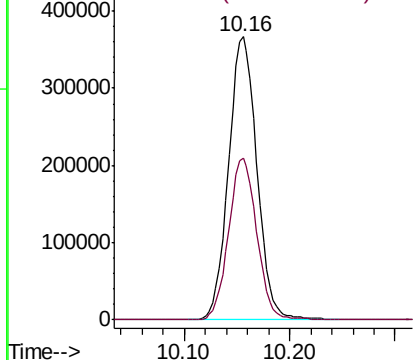


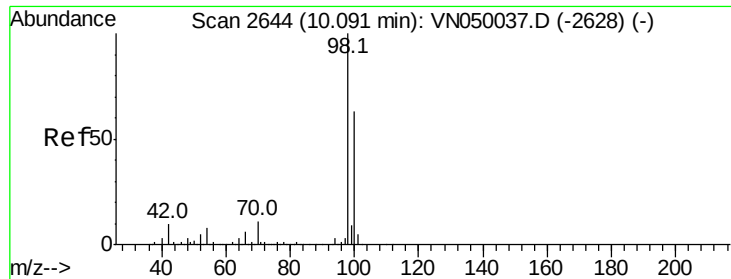
#62
Toluene
Concen: 20.972 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion: 91 Resp: 682777
Ion Ratio Lower Upper
91 100
92 57.0 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.809 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

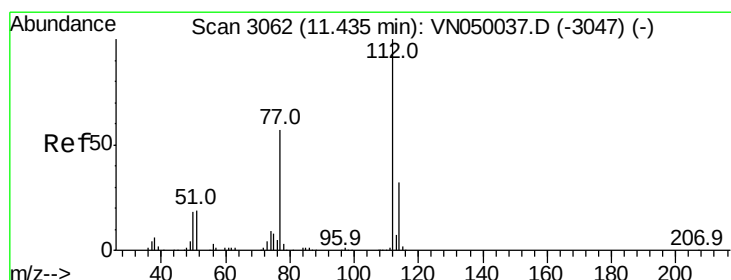
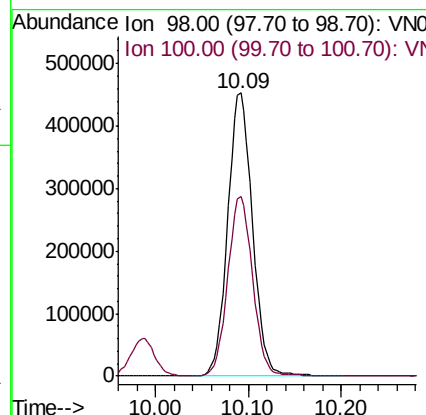
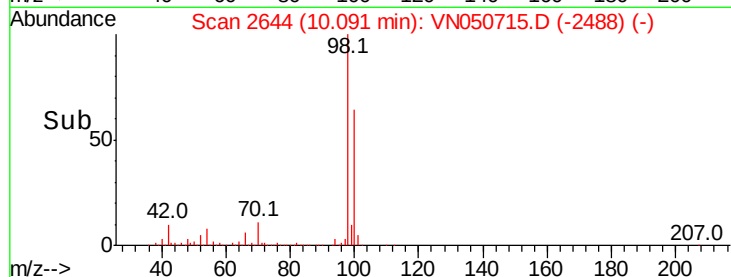
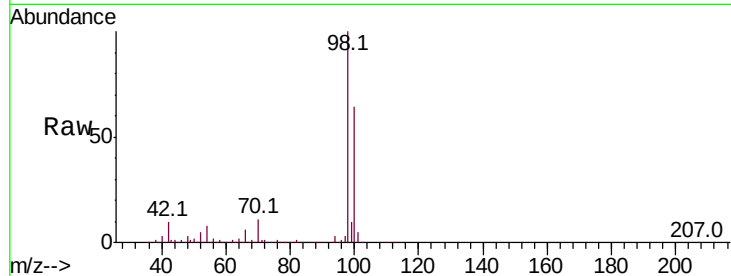
ClientSampled :

Tot Ion: 98 Resp: 839752

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#64

Chlorobenzene

Concen: 20.819 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050715.D

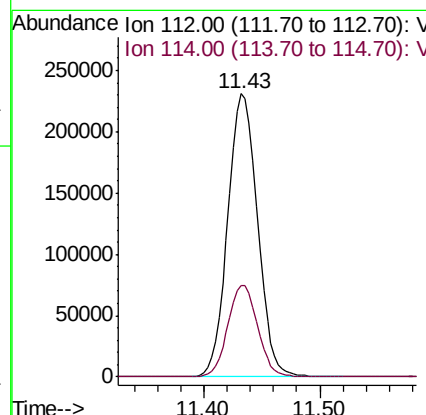
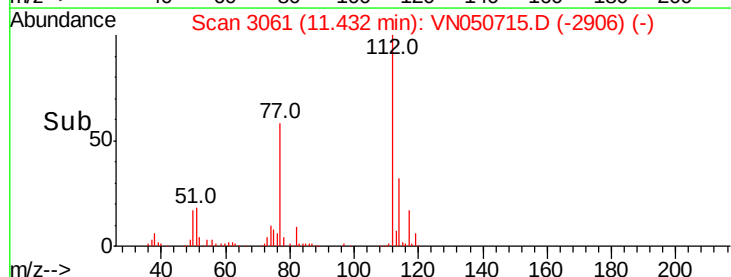
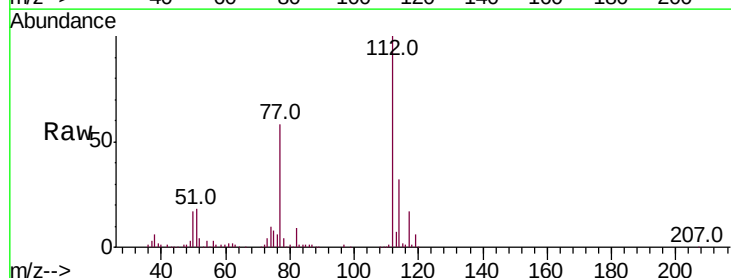
Acq: 17 Aug 2018 8:00

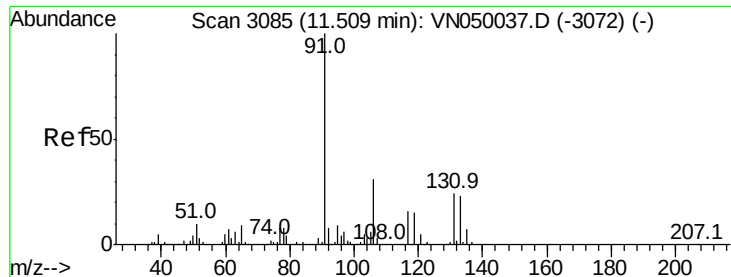
Tgt Ion: 112 Resp: 411008

Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.946 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampled :

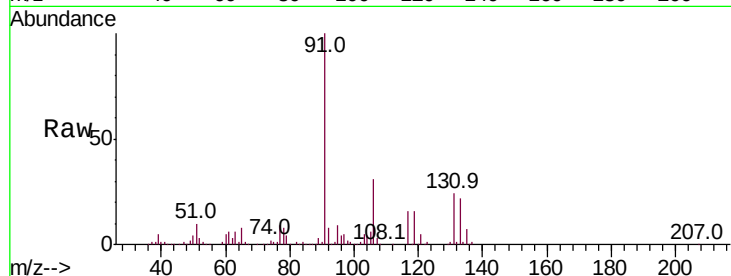
Tot Ion:131 Resp: 161294

Ion Ratio Lower Upper

131 100

133 94.9 0.0 190.0

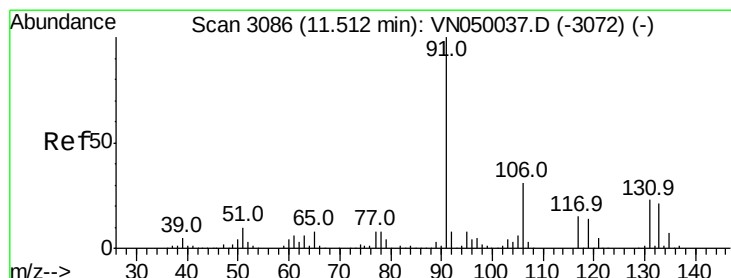
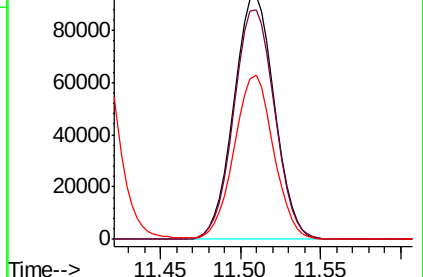
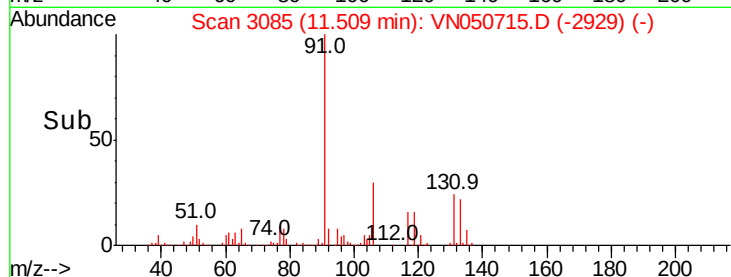
119 65.4 0.0 131.6



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: 20.204 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050715.D

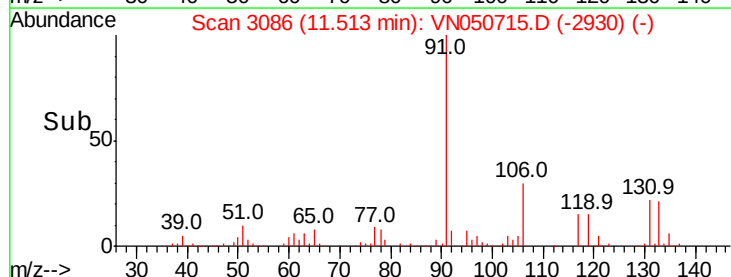
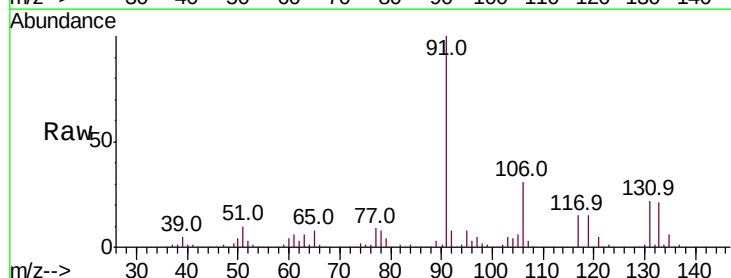
Acq: 17 Aug 2018 8:00

Tgt Ion: 91 Resp: 672198

Ion Ratio Lower Upper

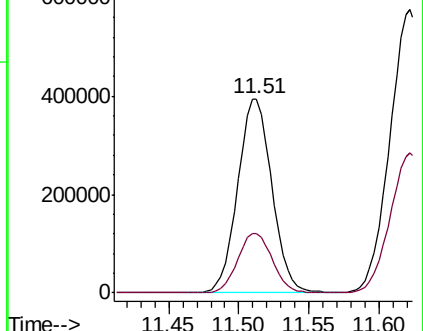
91 100

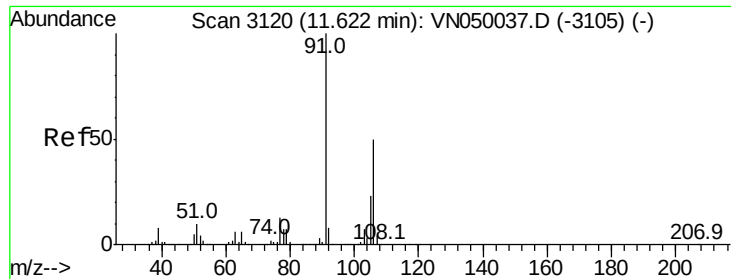
106 30.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

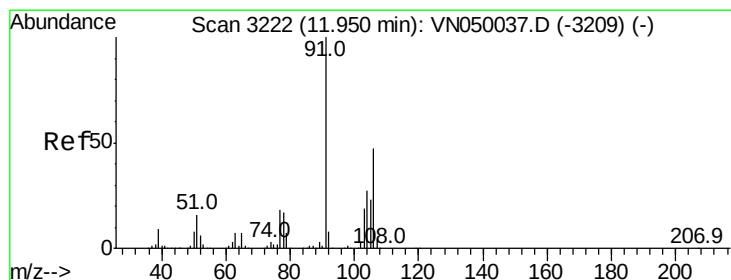
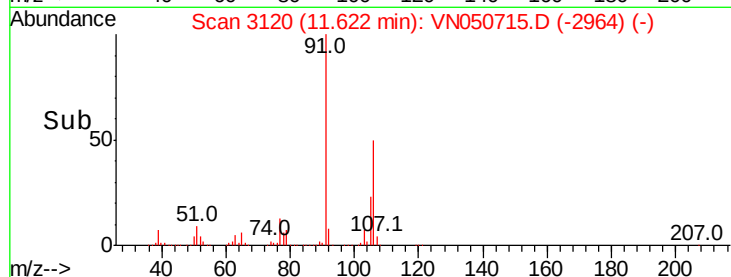
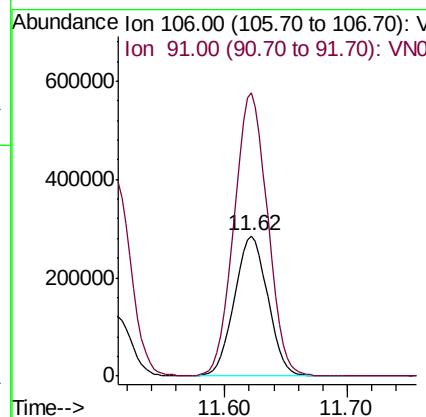
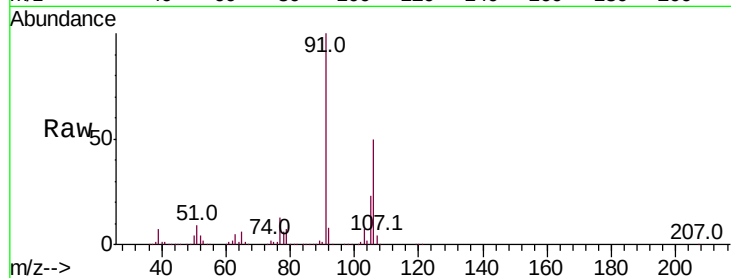




#67
m/p-Xylenes
Concen: 42.455 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

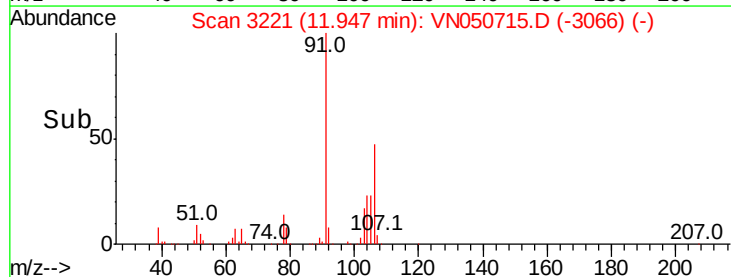
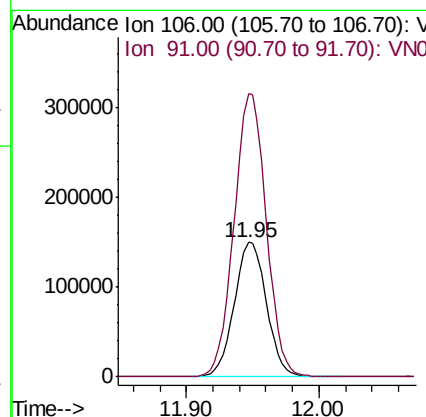
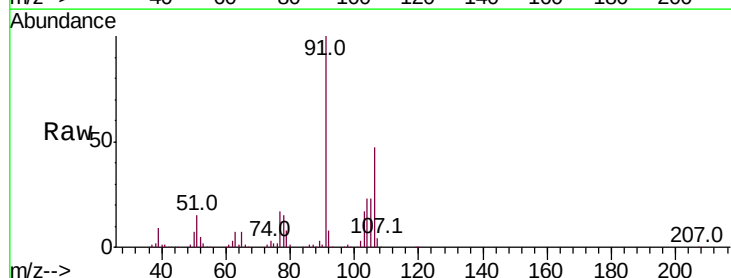
Instrument :
MSVOA_N
ClientSampleId :

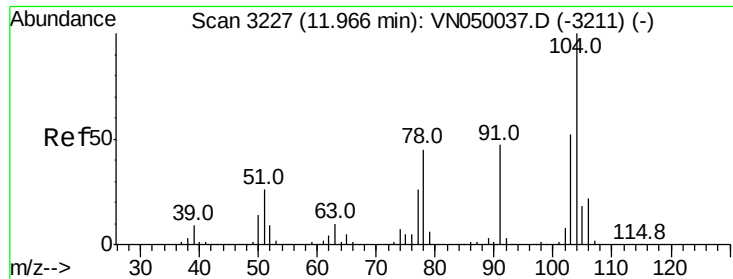
Tot Ion:106 Resp: 543596
Ion Ratio Lower Upper
106 100
91 201.9 162.5 243.7



#68
o-Xylene
Concen: 20.736 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion:106 Resp: 252616
Ion Ratio Lower Upper
106 100
91 210.9 106.8 320.4

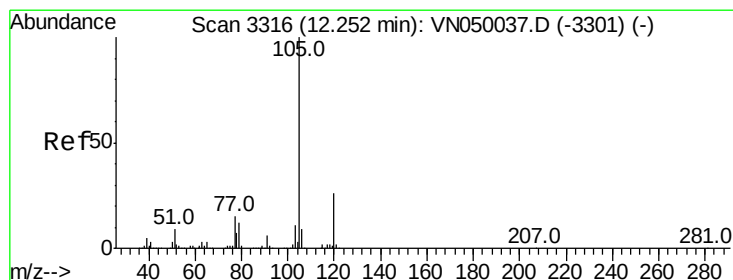
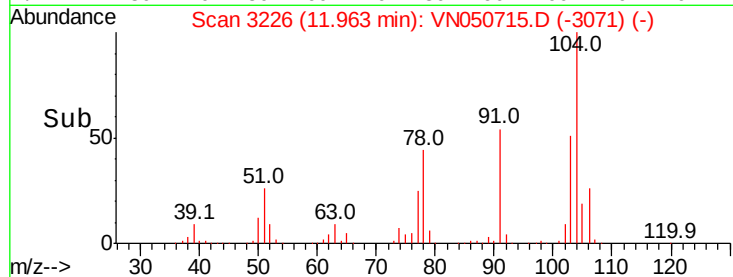
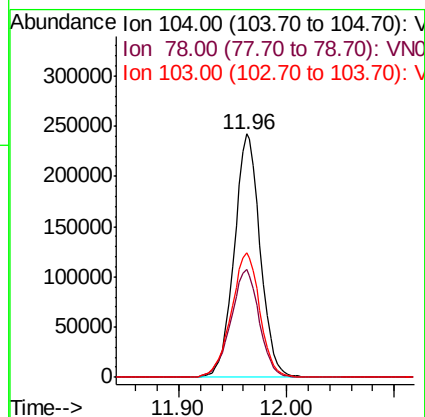
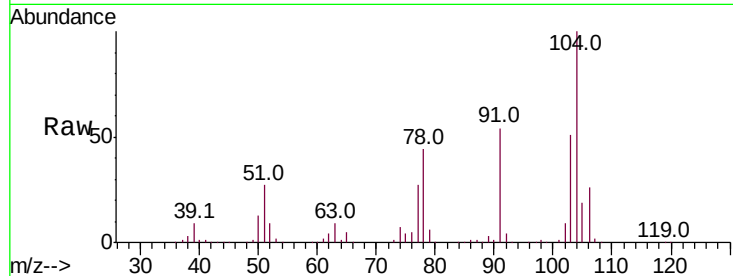




#69
Stvrene
Concen: 20.818 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

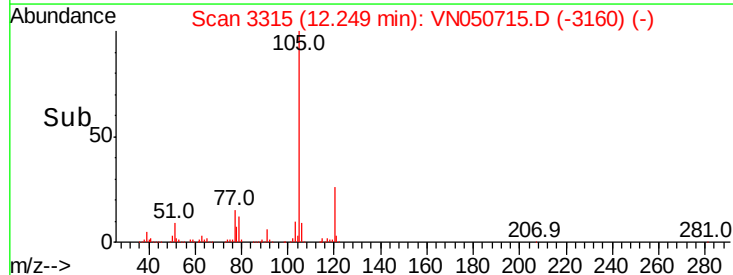
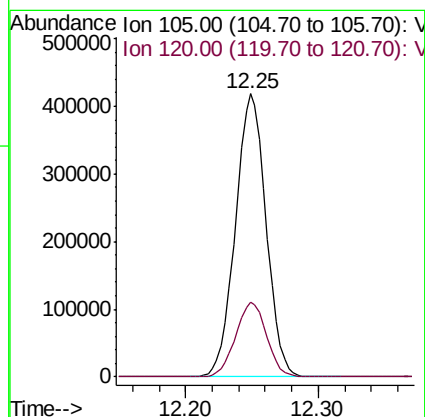
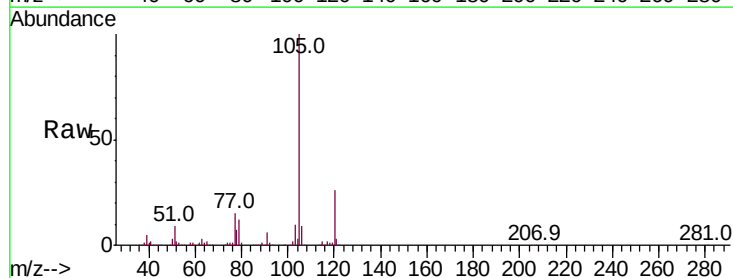
Instrument :
MSVOA_N
ClientSampleId :

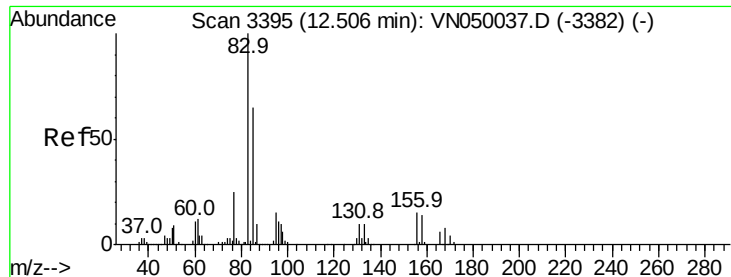
Tot Ion:104 Resp: 406563
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 56.1 44.5 66.7



#70
Isopropylbenzene
Concen: 20.611 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050715.D
Acq: 17 Aug 2018 8:00

Tgt Ion:105 Resp: 668723
Ion Ratio Lower Upper
105 100
120 26.7 18.9 35.1

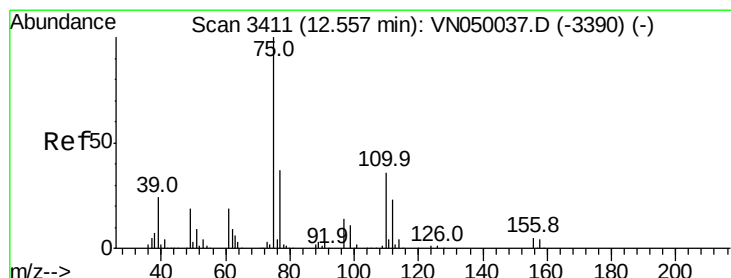
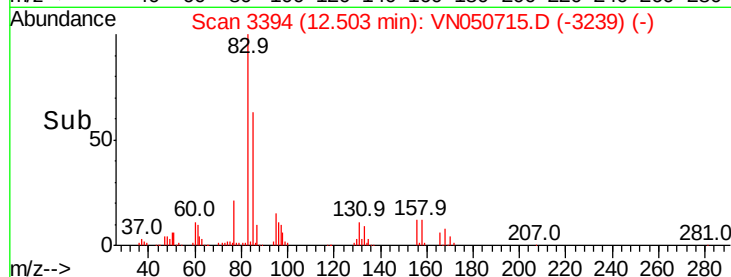
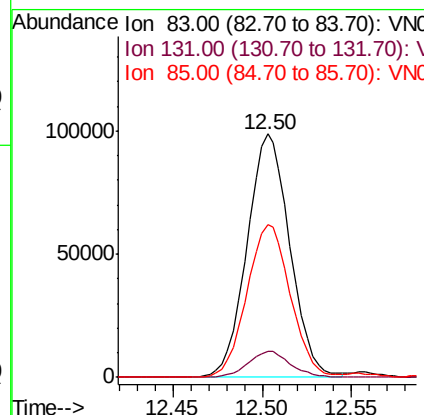
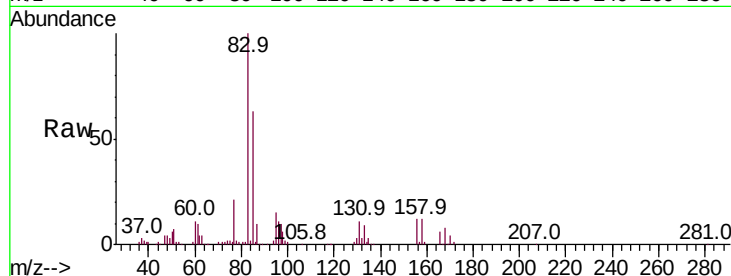




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.601 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

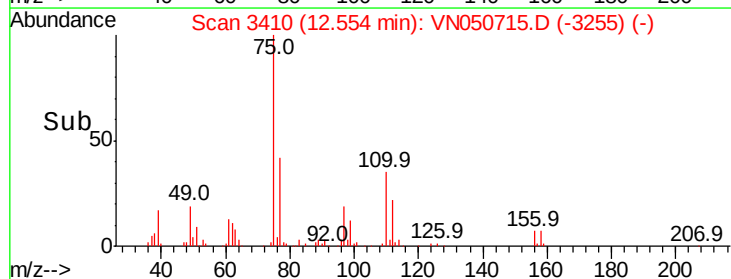
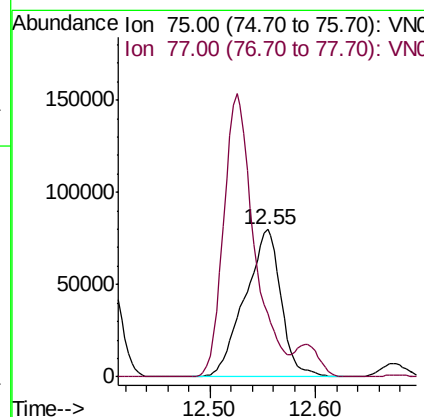
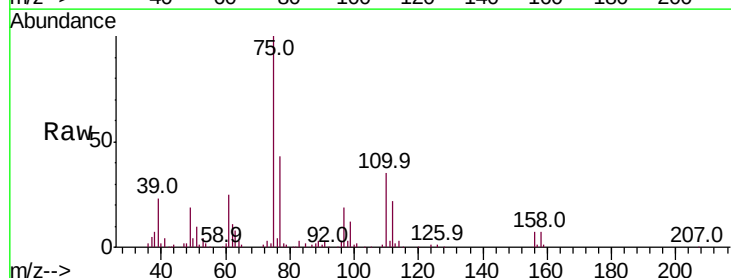
Instrument :
 MSVOA_N
 ClientSampled :

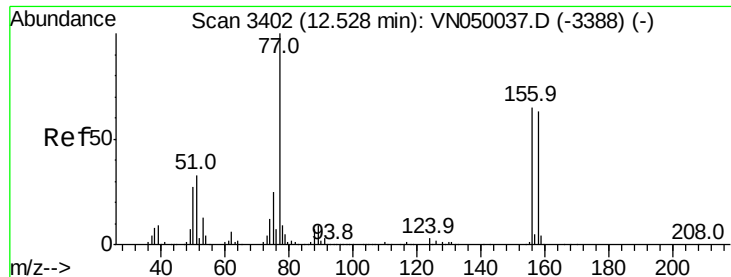
Tot Ion	83	Resp	165700
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	63.8	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 25.070 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion	75	Resp	190735
Ion	Ratio	Lower	Upper
75	100		
77	161.9	0.0	454.4





#73

Bromobenzene

Concen: 19.975 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

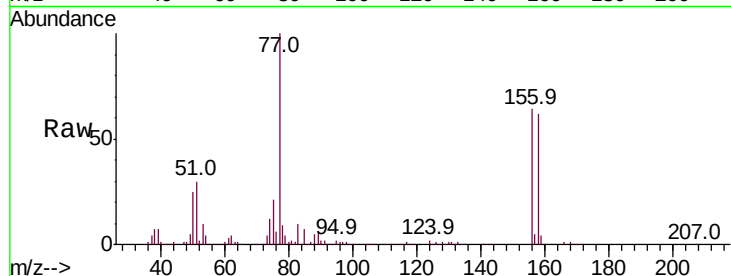
Tot Ion:156 Resp: 172642

Ion Ratio Lower Upper

156 100

77 178.9 0.0 359.8

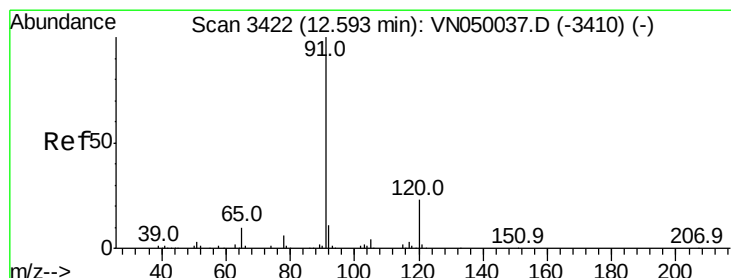
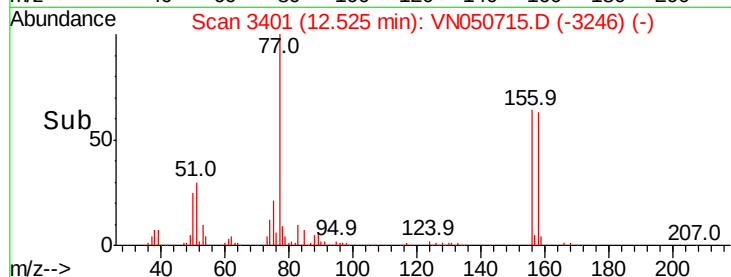
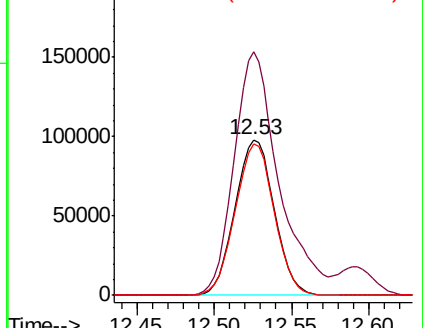
158 96.9 0.0 192.8



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: 20.415 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050715.D

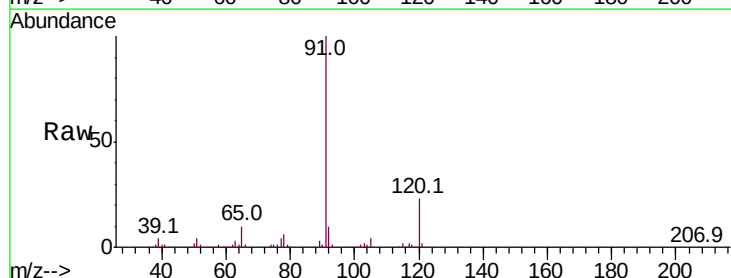
Acq: 17 Aug 2018 8:00

Tgt Ion: 91 Resp: 771412

Ion Ratio Lower Upper

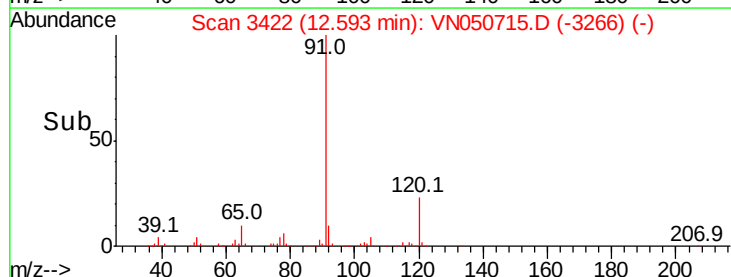
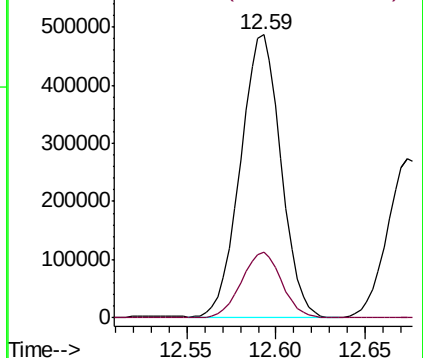
91 100

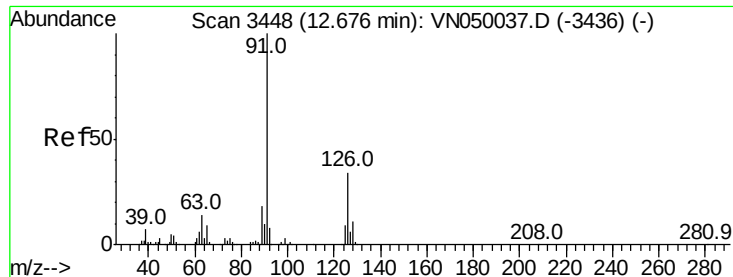
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.450 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

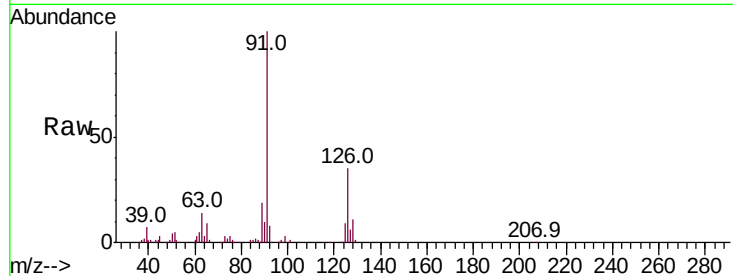
ClientSampled :

Tot Ion: 91 Resp: 464135

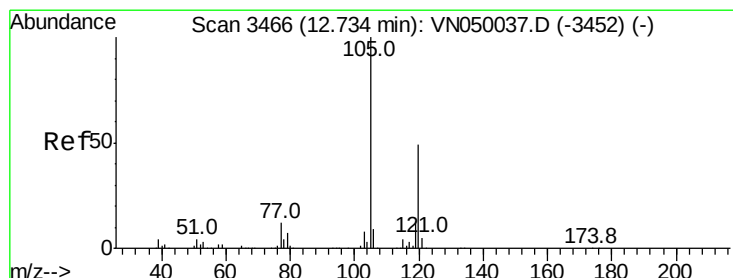
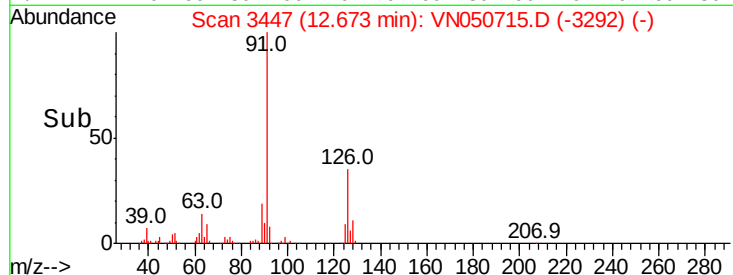
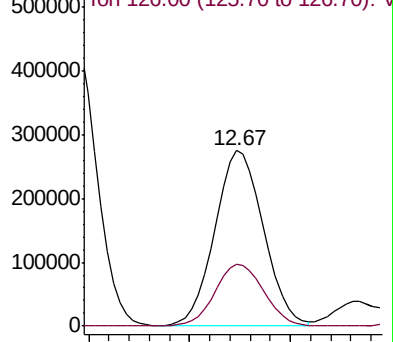
Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.6



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



#76

1,3,5-Trimethylbenzene

Concen: 20.968 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050715.D

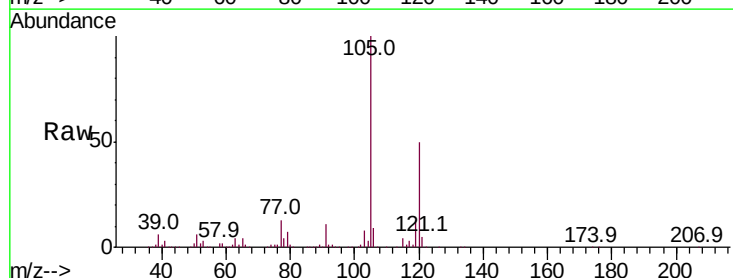
Acq: 17 Aug 2018 8:00

Tgt Ion:105 Resp: 558768

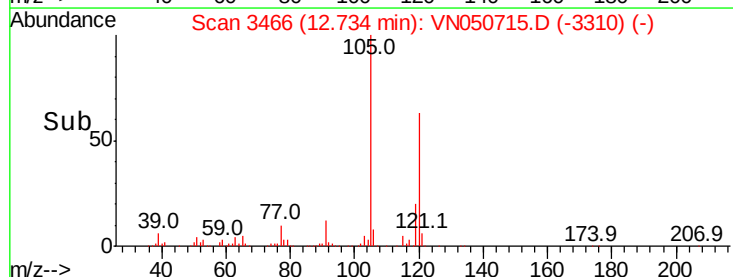
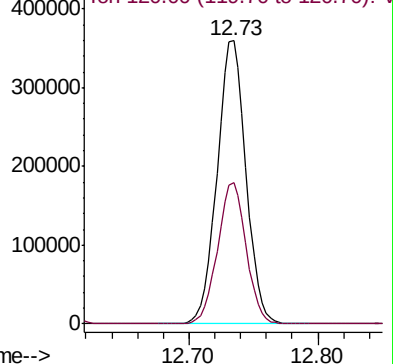
Ion Ratio Lower Upper

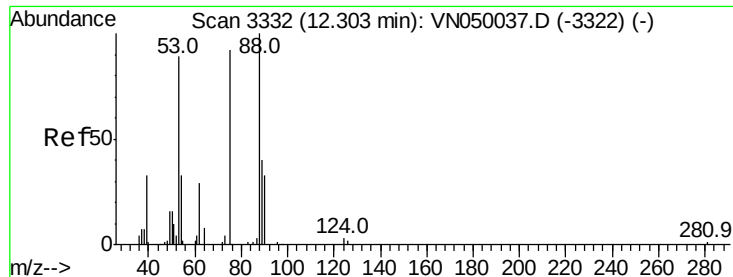
105 100

120 49.5 0.0 98.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 15.473 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

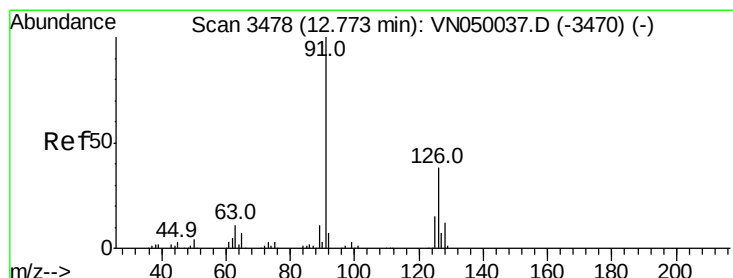
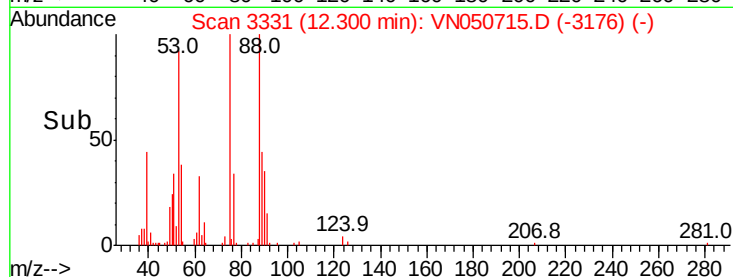
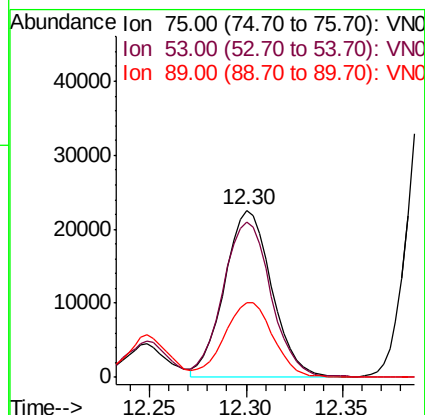
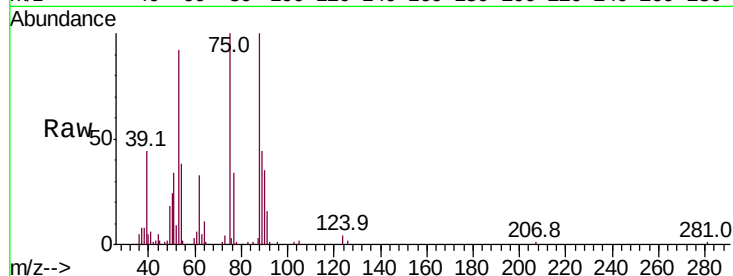
Tot Ion: 75 Resp: 38488

Ion Ratio Lower Upper

75 100

53 91.6 44.6 134.0

89 44.3 20.7 62.1



#78

4-Chlorotoluene

Concen: 20.658 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050715.D

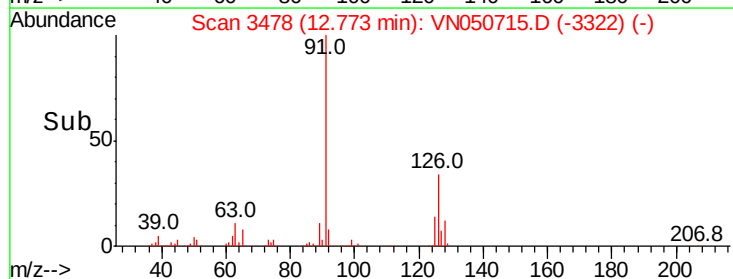
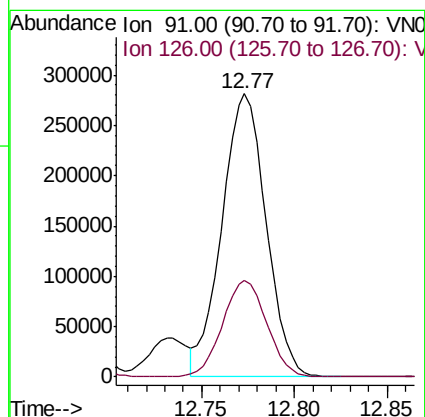
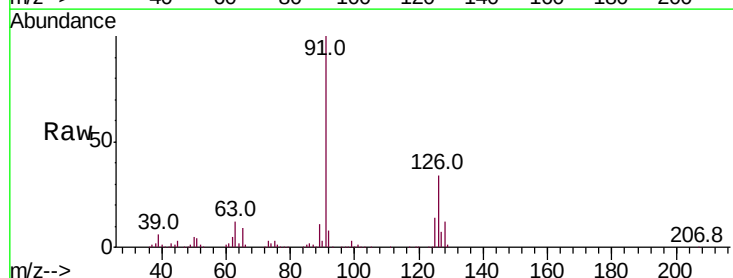
Acq: 17 Aug 2018 8:00

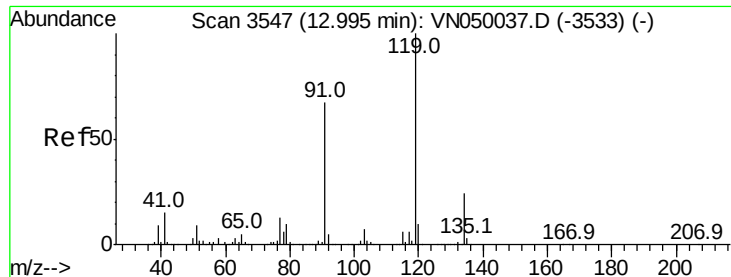
Tgt Ion: 91 Resp: 464612

Ion Ratio Lower Upper

91 100

126 34.3 0.0 68.4





#79

tert-butylbenzene

Concen: 20.305 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampled :

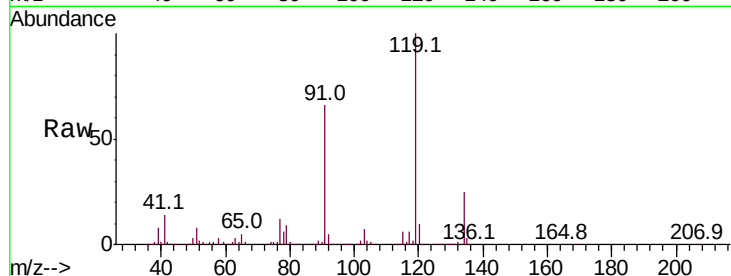
Tot Ion:119 Resp: 462605

Ion Ratio Lower Upper

119 100

91 64.7 0.0 126.8

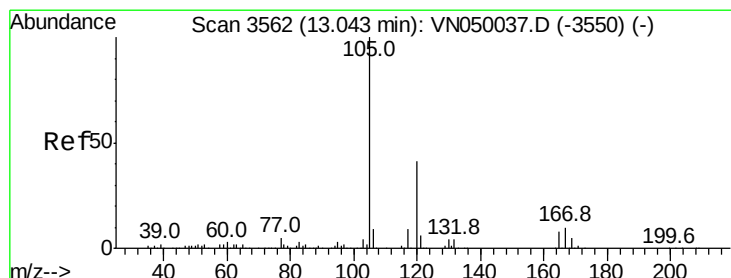
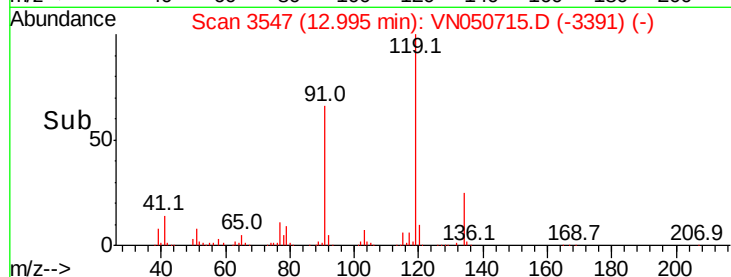
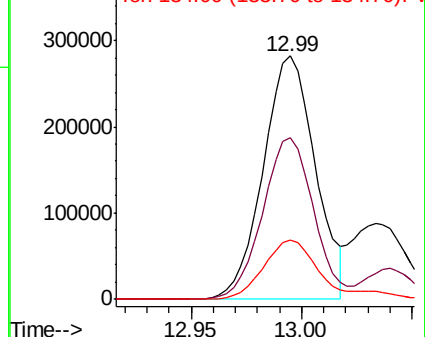
134 24.4 0.0 47.4



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: 20.772 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050715.D

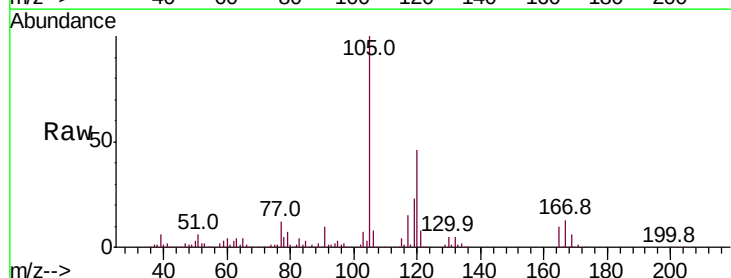
Acq: 17 Aug 2018 8:00

Tgt Ion:105 Resp: 560833

Ion Ratio Lower Upper

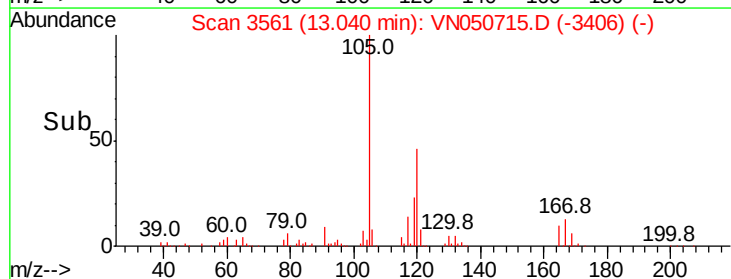
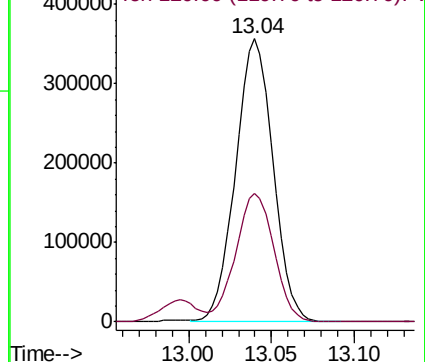
105 100

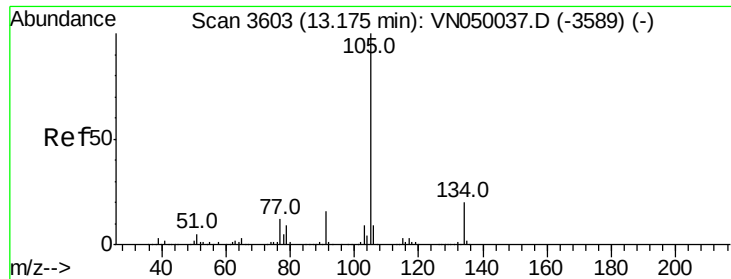
120 46.3 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.307 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

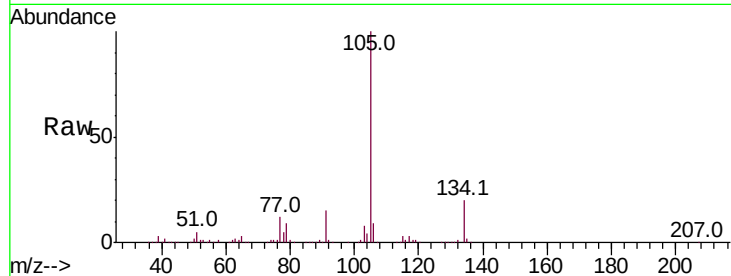
ClientSampleId :

Tot Ion:105 Resp: 628501

Ion Ratio Lower Upper

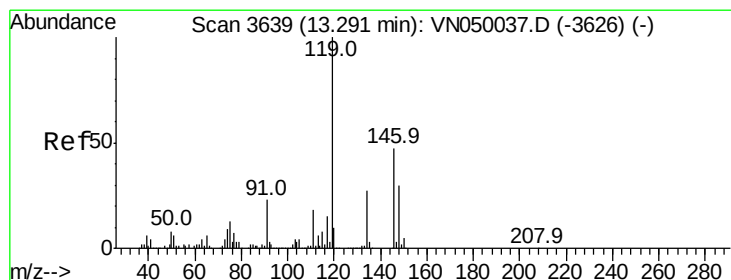
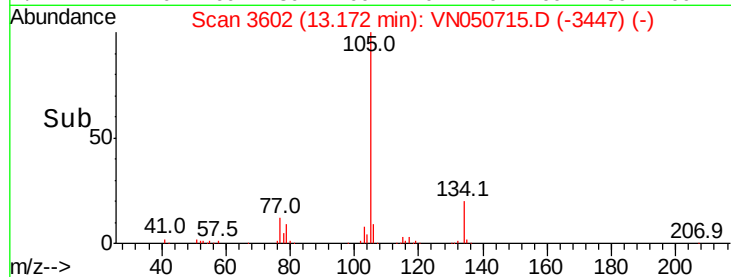
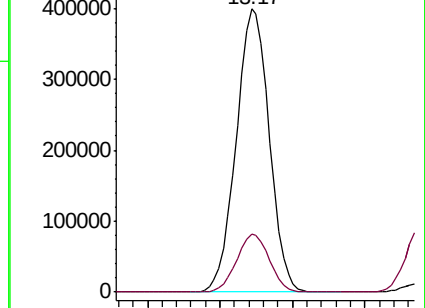
105 100

134 20.4 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.516 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

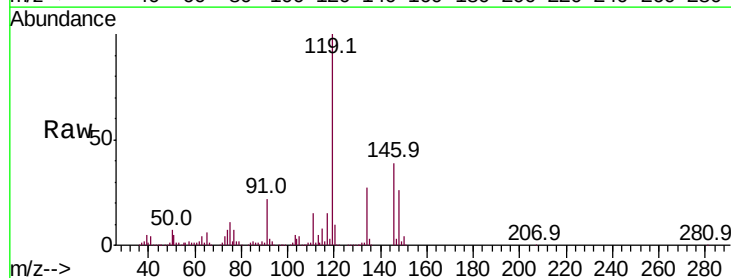
Tgt Ion:119 Resp: 541770

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.2

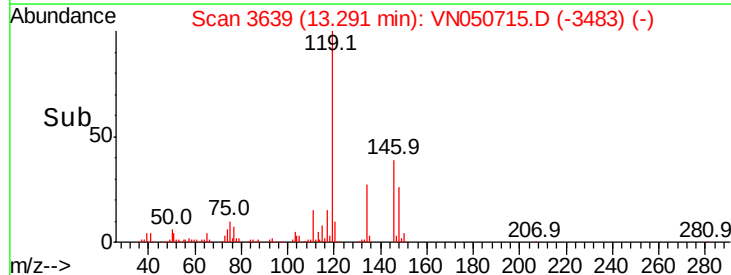
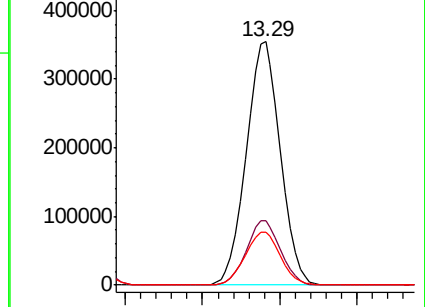
91 22.4 0.0 45.6

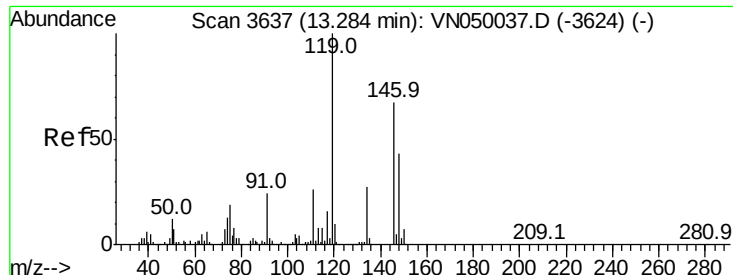


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.719 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050715.D

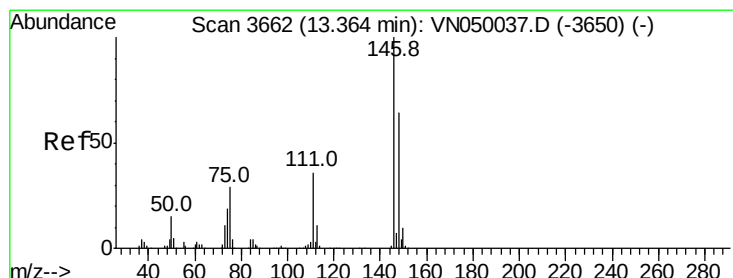
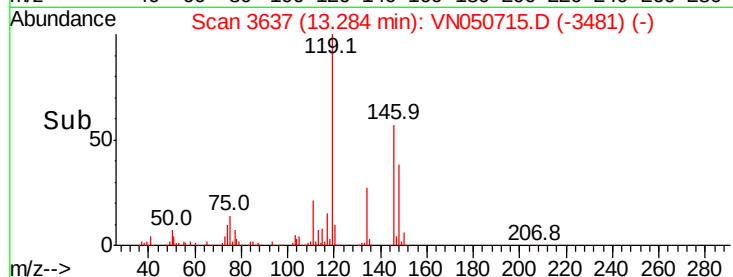
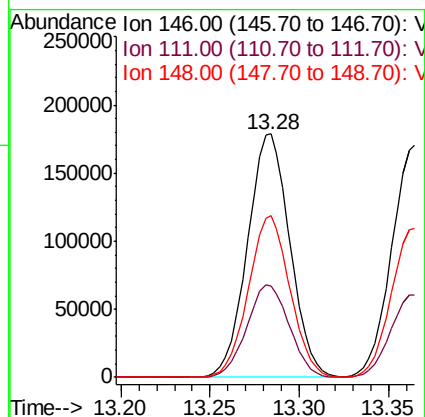
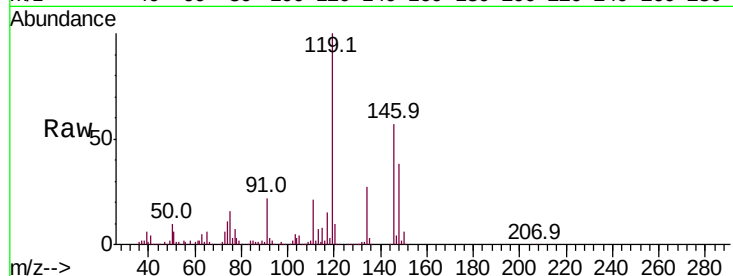
Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	296760
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	65.4	31.9	95.9



#84

1,4-Dichlorobenzene

Concen: 19.772 ug/l

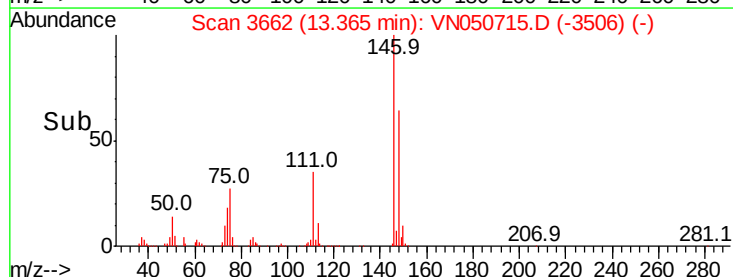
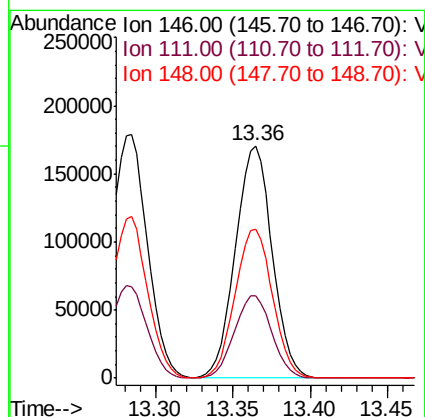
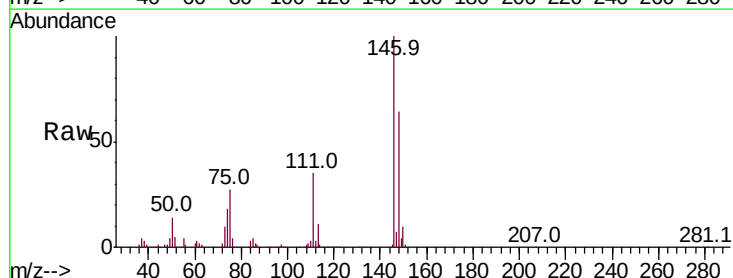
RT: 13.36 min Scan# 3662

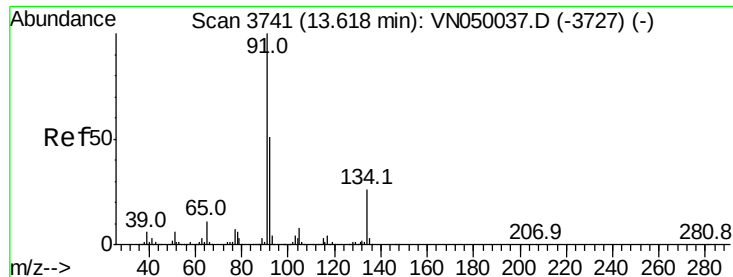
Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Tgt Ion:	146	Resp:	281181
Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.9	53.8
148	65.1	32.4	97.0





#85

n-Butylbenzene

Concen: 19.239 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

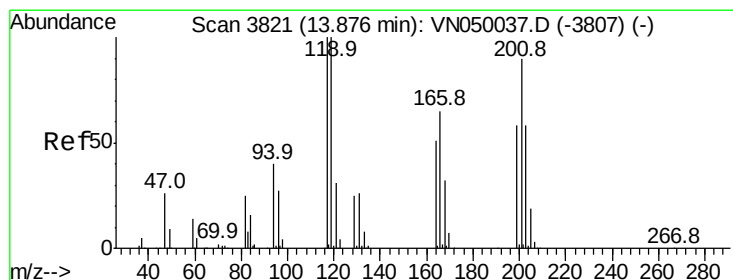
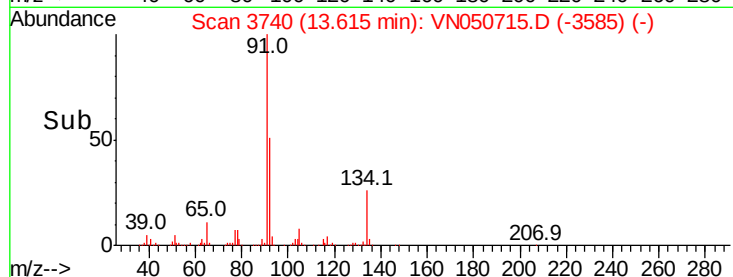
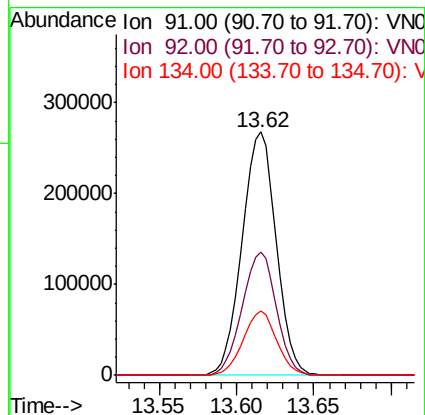
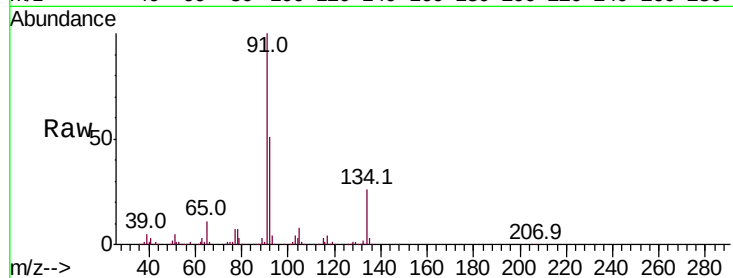
Tot Ion: 91 Resp: 412314

Ion Ratio Lower Upper

91 100

92 50.7 0.0 102.8

134 25.9 0.0 51.0



#86

Hexachloroethane

Concen: 19.132 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050715.D

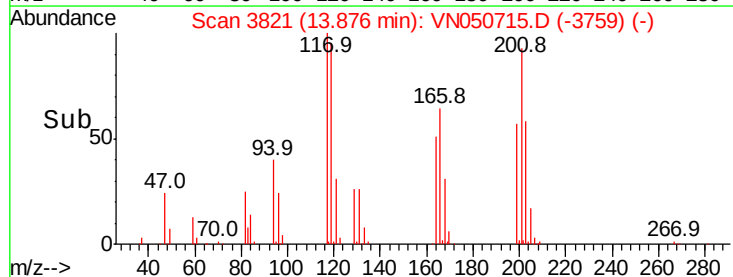
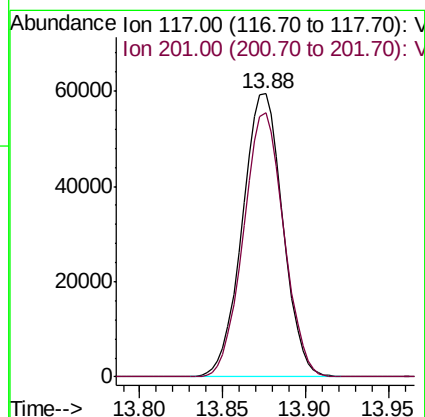
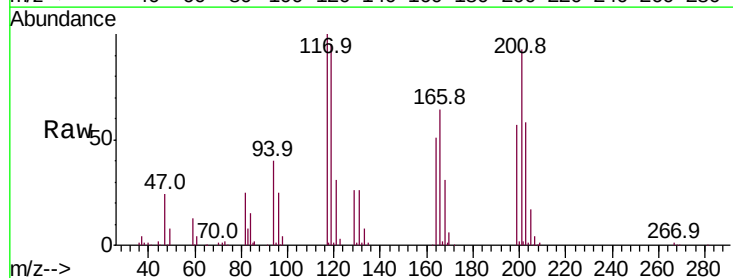
Acq: 17 Aug 2018 8:00

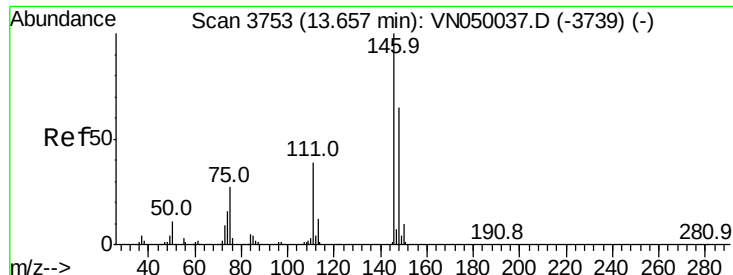
Tgt Ion: 117 Resp: 100959

Ion Ratio Lower Upper

117 100

201 92.7 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 19.838 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050715.D

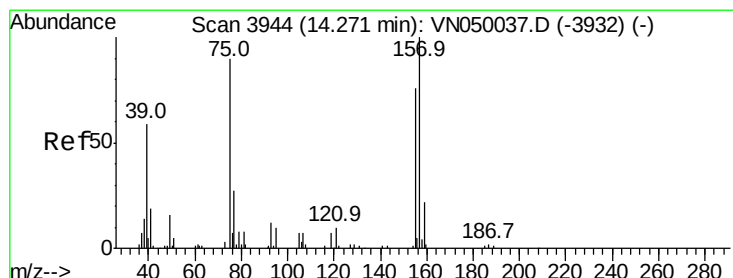
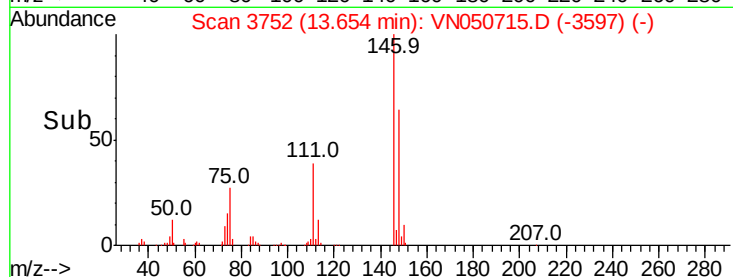
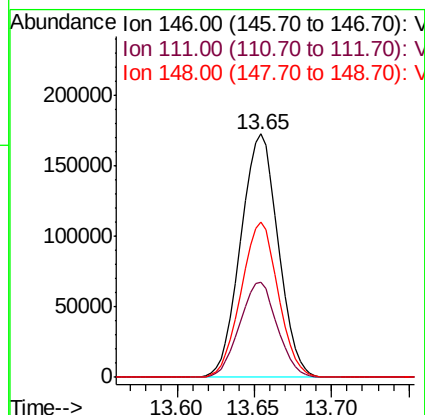
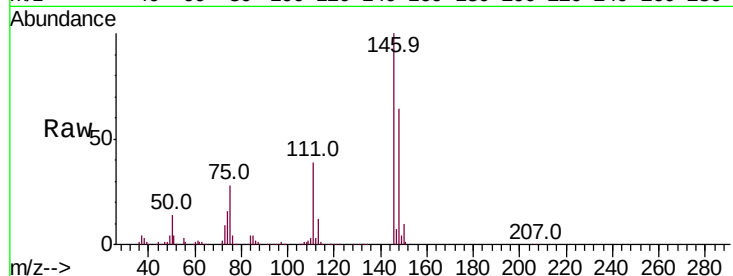
Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	291822
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.1	31.8	95.3



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.122 ug/l

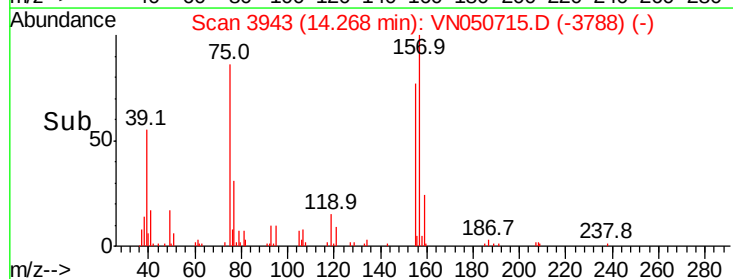
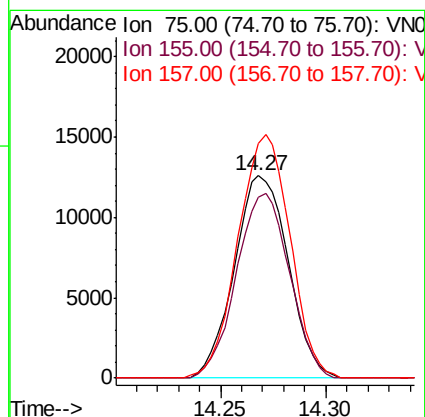
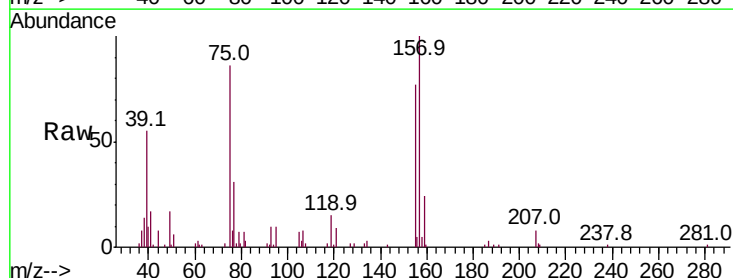
RT: 14.27 min Scan# 3943

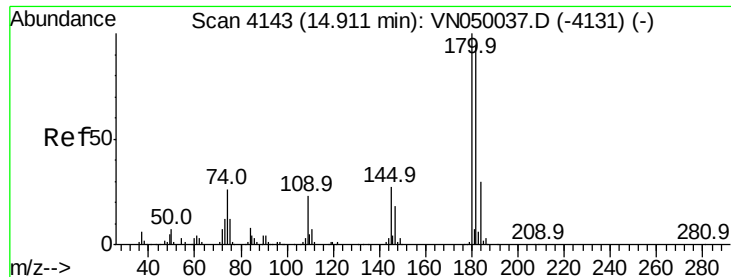
Delta R.T. -0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Tgt Ion:	75	Resp:	22372
Ion	Ratio	Lower	Upper
75	100		
155	90.0	73.0	109.6
157	116.2	94.9	142.3

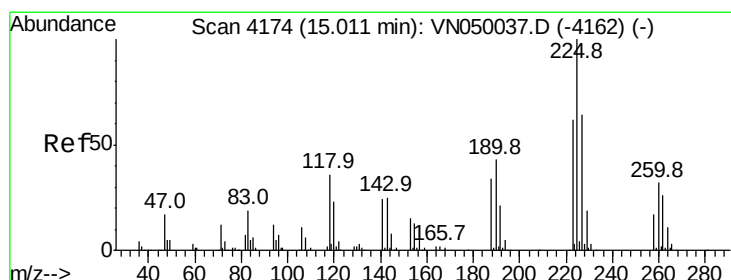
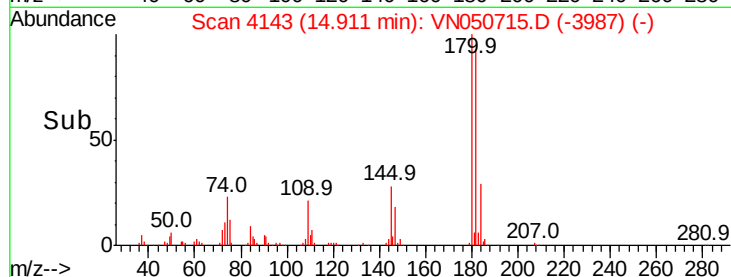
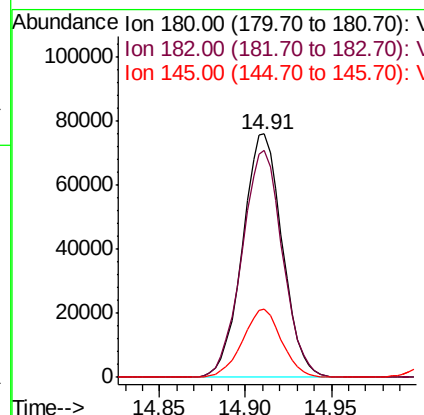
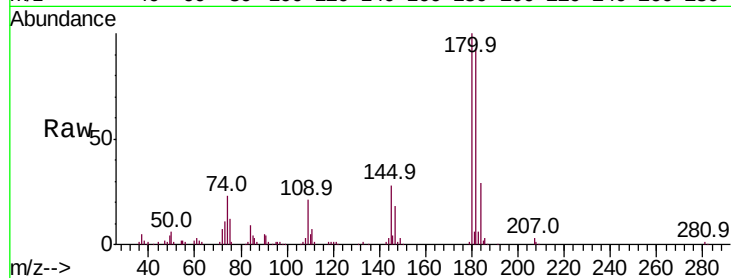




#89
 1,2,4-Trichlorobenzene
 Concen: 17.387 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

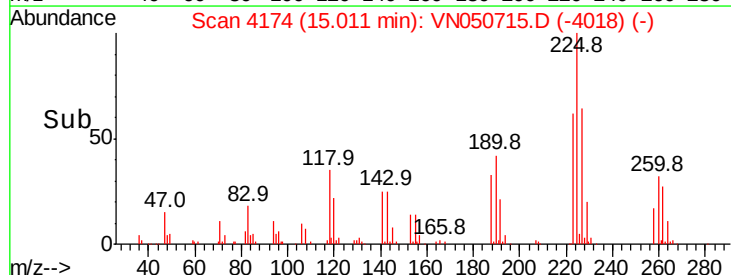
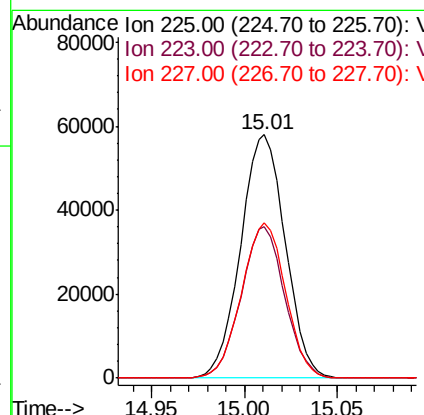
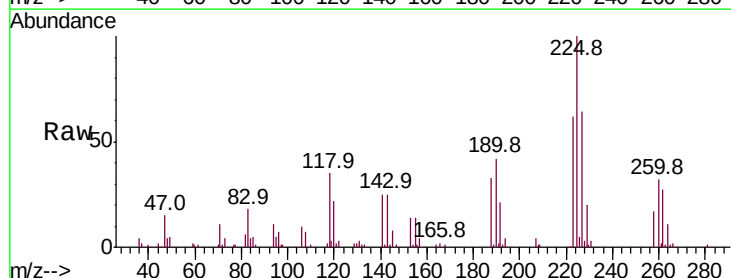
Instrument :
 MSVOA_N
 ClientSampleId :

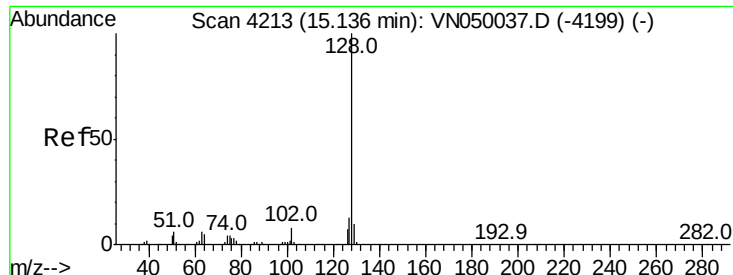
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	27.7	23.4	35.0



#90
 Hexachlorobutadiene
 Concen: 20.886 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050715.D
 Acq: 17 Aug 2018 8:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	0.0	124.4
227	62.8	0.0	133.0





#91

Naphthalene

Concen: 17.422 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050715.D

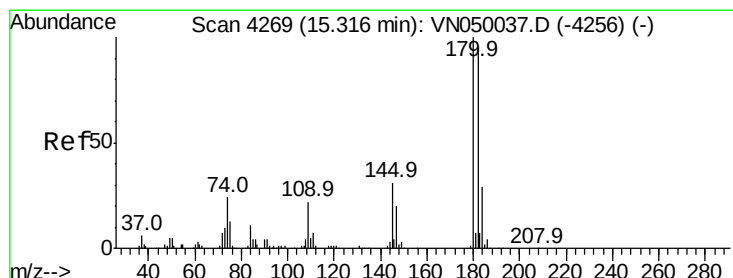
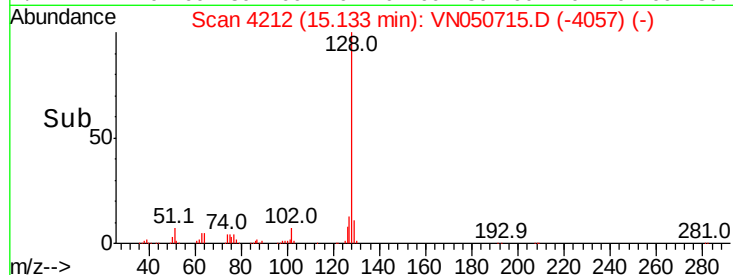
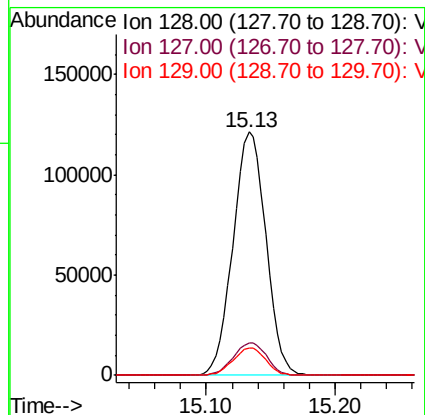
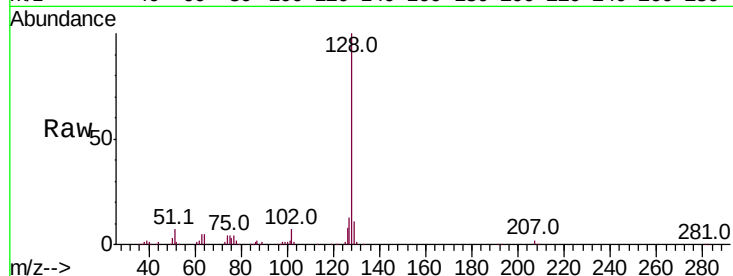
Acq: 17 Aug 2018 8:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	215427
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	11.2	9.0	13.4



#92

1,2,3-Trichlorobenzene

Concen: 17.159 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050715.D

Acq: 17 Aug 2018 8:00

Tgt Ion:	180	Resp:	122613
Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	188.8
145	30.6	0.0	60.8

