

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053331.D
 Acq On : 10 Jan 2019 9:03
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jan 11 05:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	163491	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	956024	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	863164	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	311099	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.40	95	409360	30.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.30%
63) Toluene-d8	10.09	98	1154231	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	222425	20.419 ug/l	100
3) Chloromethane	2.06	50	256955	20.098 ug/l	99
4) Vinyl Chloride	2.19	62	239783	19.059 ug/l	96
5) Bromomethane	2.57	94	160186	19.748 ug/l	97
6) Chloroethane	2.71	64	144372	19.921 ug/l	98
7) Trichlorofluoromethane	3.02	101	310425	19.980 ug/l	99
8) Diethyl Ether	3.41	74	116863	20.246 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	200136	20.502 ug/l	96
10) 1,1-Dichloroethene	3.74	96	184688	19.388 ug/l	93
11) Methyl Iodide	3.96	142	285548	20.468 ug/l	99
12) Methyl Acetate	4.33	43	158625	21.364 ug/l	98
13) Acrolein	3.61	56	78424	88.466 ug/l	99
14) Acrylonitrile	4.99	53	348684	104.972 ug/l	98
15) Acetone	3.81	58	96404	136.560 ug/l	92
16) Carbon Disulfide	4.06	76	544055	18.565 ug/l	100
17) Allyl chloride	4.33	41	280389	18.710 ug/l	97
18) Methylene Chloride	4.55	84	214617	19.685 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	194886	19.358 ug/l	96
20) Diisopropyl ether	5.95	45	640394	19.954 ug/l	98
21) 1,1-Dichloroethane	5.85	63	368488	19.719 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	223571	19.714 ug/l	97
23) tert-Butyl Alcohol	4.77	59	56301	100.546 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	499177	20.095 ug/l	97
25) Chloroform	7.37	83	358958	19.984 ug/l	100
26) Cyclohexane	7.66	56	344882	19.788 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	282986	19.541 ug/l	99
30) 2-Butanone	6.83	43	413442	114.435 ug/l	98
31) 2,2-Dichloropropane	6.82	77	278425	19.860 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	300605	19.812 ug/l	97
33) Carbon Tetrachloride	7.77	117	265473	19.989 ug/l	98
34) Benzene	8.04	78	859978	19.760 ug/l	97
35) Methacrylonitrile	7.17	41	84070	18.033 ug/l	98
36) 1,2-Dichloroethane	8.12	62	254829	20.170 ug/l	98
37) Trichloroethene	8.83	130	237003	20.102 ug/l	94
38) Methylcyclohexane	9.08	83	358210	21.148 ug/l	97
39) 1,2-Dichloropropane	9.12	63	227478	20.017 ug/l	97
40) Dibromomethane	9.21	93	129299	20.118 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	271809	19.693	ug/l	99
42) Vinyl Acetate	5.90	43	2006525	101.799	ug/l	97
43) Ethyl Acetate	6.93	43	164841	20.430	ug/l #	67
44) Isopropyl Acetate	8.16	43	313985	20.891	ug/l #	78
45) 1,4-Dioxane	9.20	88	35398	385.149	ug/l	93
46) Methyl methacrylate	9.20	41	151063	19.895	ug/l	94
47) n-amyl Acetate	12.07	43	273705	20.737	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	278059	19.738	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	329001	19.834	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	189423	20.556	ug/l	99
51) Ethyl methacrylate	10.43	69	246660	20.538	ug/l	91
52) 1,3-Dichloropropane	10.71	76	324066	20.414	ug/l	99
53) Dibromochloromethane	10.90	129	210118	20.302	ug/l	98
54) 1,2-Dibromoethane	11.01	107	188655	20.294	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	586411	85.080	ug/l	98
56) Bromoform	12.13	173	145459	20.545	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	880365	107.034	ug/l	97
59) 2-Hexanone	10.75	43	640341	112.770	ug/l	98
61) Tetrachloroethene	10.63	164	264167	20.710	ug/l	97
62) Toluene	10.16	91	935212	19.756	ug/l	99
64) Chlorobenzene	11.43	112	594797	20.023	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	206816	19.847	ug/l	98
66) Ethyl Benzene	11.51	91	1026927	20.004	ug/l	99
67) m/p-Xylenes	11.62	106	794608	40.927	ug/l	98
68) o-Xylene	11.95	106	379288	20.160	ug/l	99
69) Styrene	11.96	104	623486	20.302	ug/l	99
70) Isopropylbenzene	12.25	105	1026532	20.738	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	214528	20.587	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	290972	31.887	ug/l	46
73) Bromobenzene	12.53	156	266535	20.947	ug/l	92
74) n-propylbenzene	12.59	91	1189989	21.236	ug/l	98
75) 2-Chlorotoluene	12.67	91	696591	20.991	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	845388	21.529	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	64697	20.178	ug/l	97
78) 4-Chlorotoluene	12.77	91	711427	21.060	ug/l	99
79) tert-butylbenzene	12.99	119	742470	21.681	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	852598	21.664	ug/l	99
81) sec-Butylbenzene	13.17	105	1025250	22.608	ug/l	100
82) p-Isopropyltoluene	13.29	119	891925	22.761	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	466516	21.533	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	456871	21.633	ug/l	98
85) n-Butylbenzene	13.62	91	745276	23.387	ug/l	99
86) Hexachloroethane	13.88	117	133435	21.328	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	436404	21.678	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28204	18.926	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	170596	17.460	ug/l	99
90) Hexachlorobutadiene	15.01	225	145999	24.685	ug/l	99
91) Naphthalene	15.13	128	268510	12.952	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	115948	13.301	ug/l	98

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QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

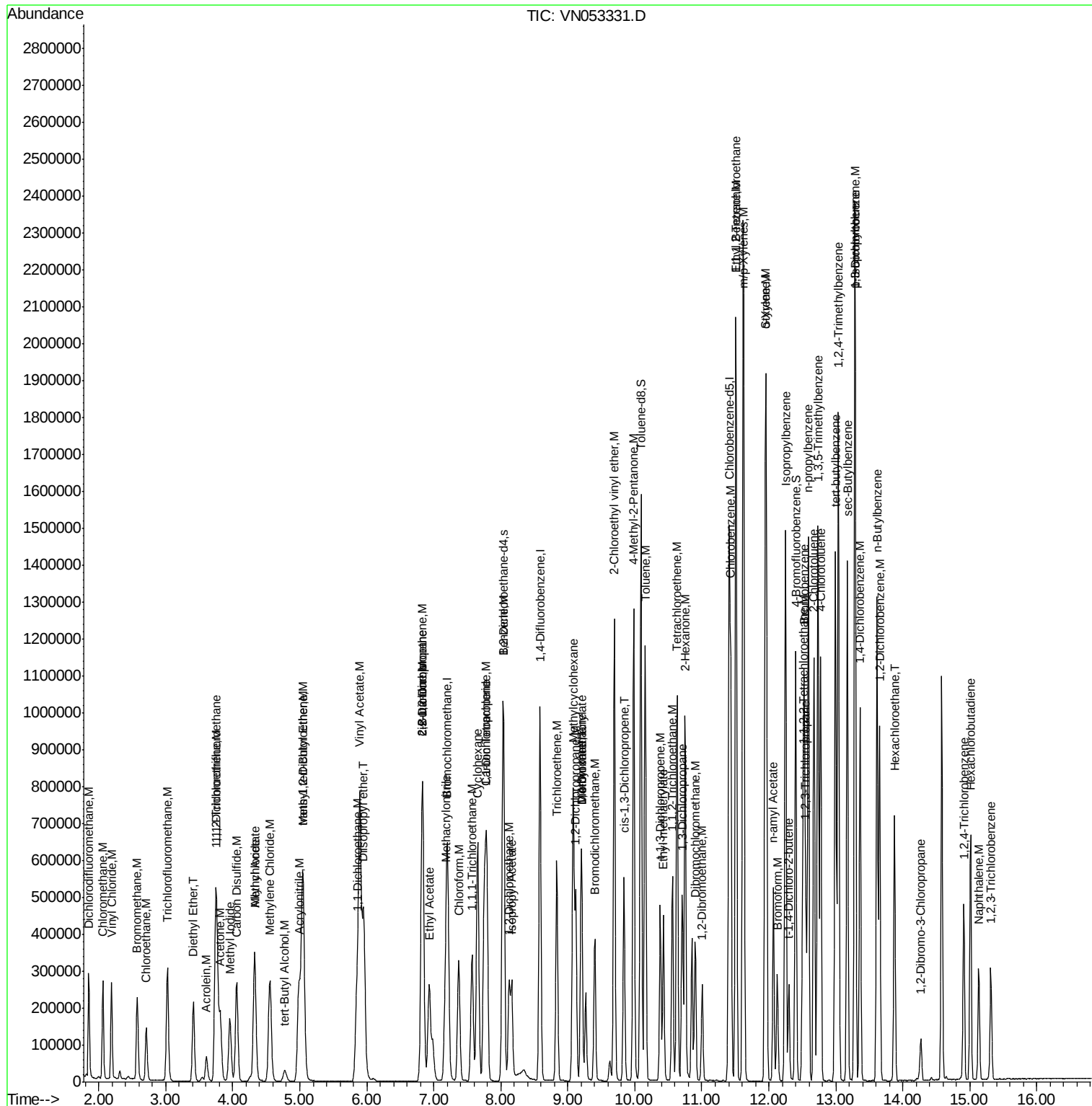
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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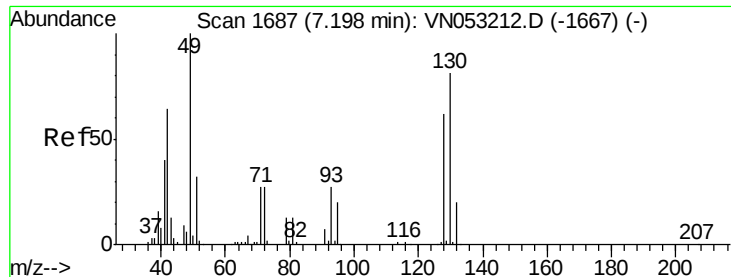
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

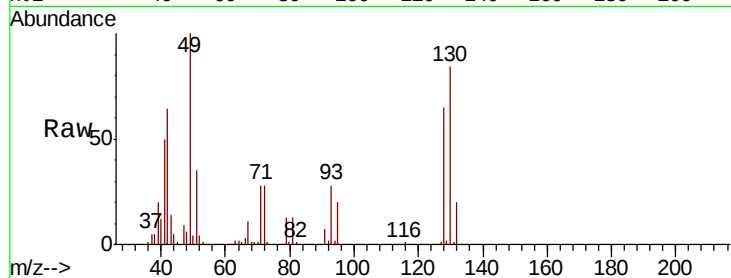
Tgt Ion:128 Resp: 163491

Ion Ratio Lower Upper

128 100

49 156.0 0.0 431.8

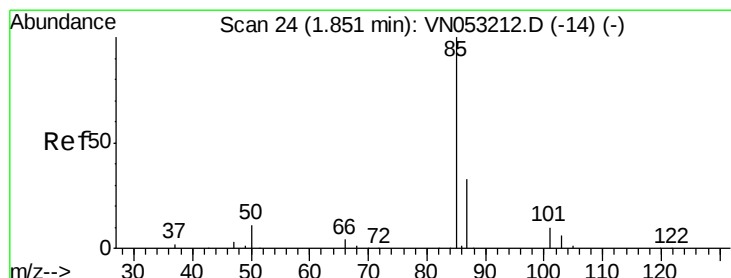
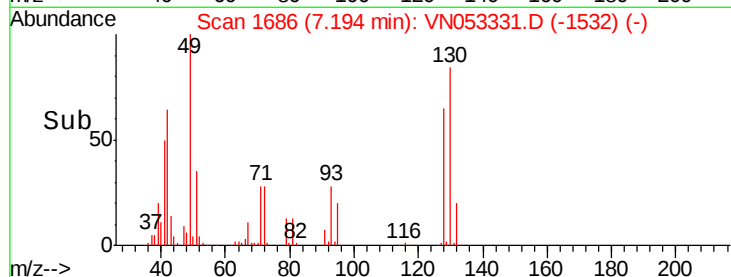
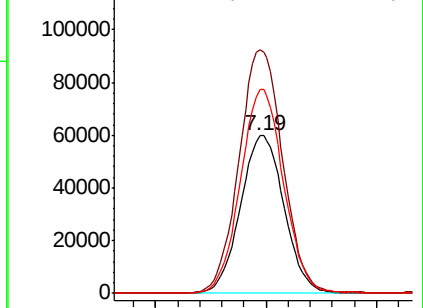
130 128.4 0.0 317.0



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: 20.419 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053331.D

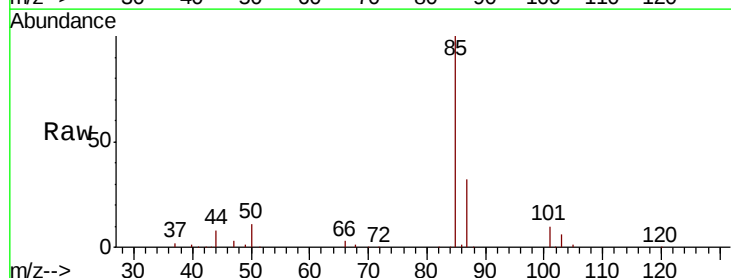
Acq: 10 Jan 2019 9:03

Tgt Ion: 85 Resp: 222425

Ion Ratio Lower Upper

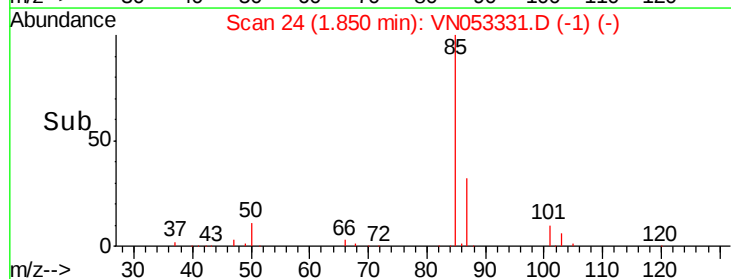
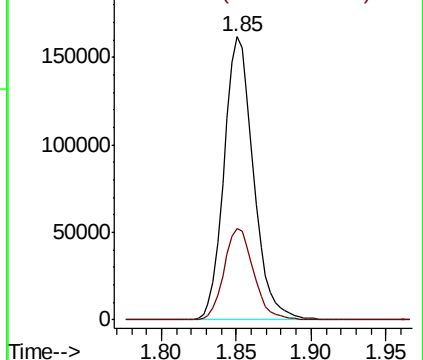
85 100

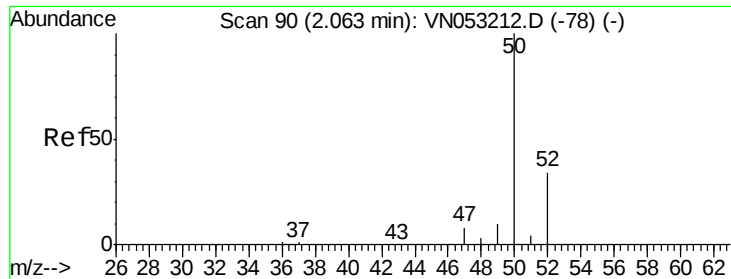
87 32.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.098 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

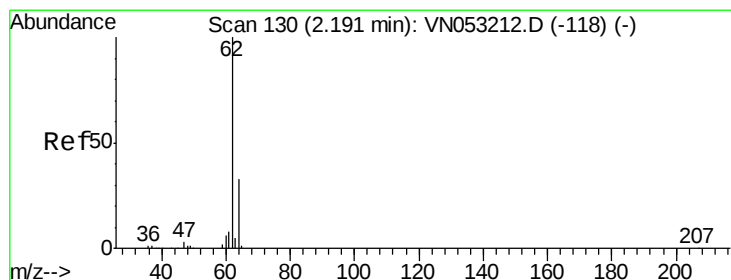
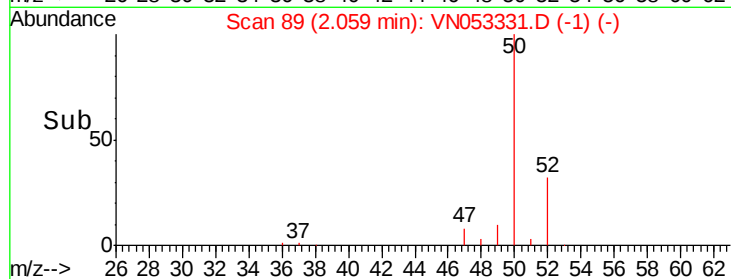
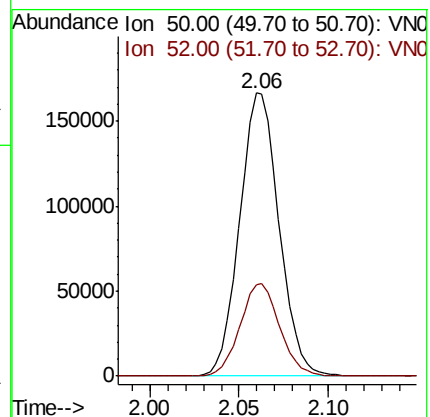
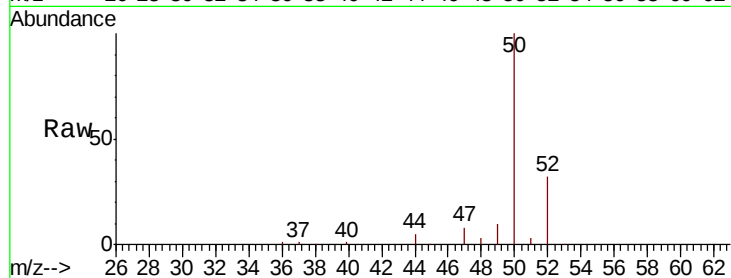
VSTDCCC020

Tgt Ion: 50 Resp: 256955

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 19.059 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053331.D

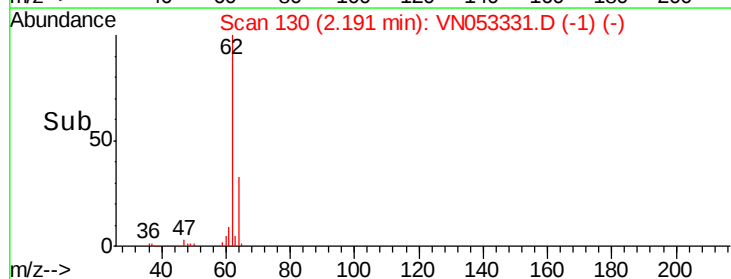
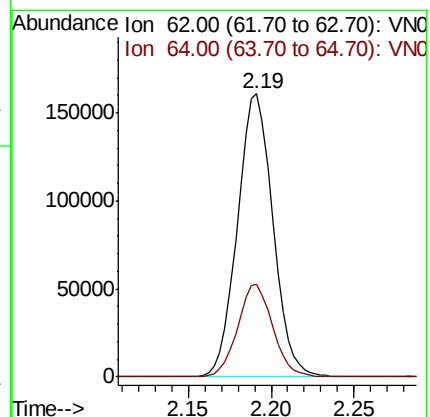
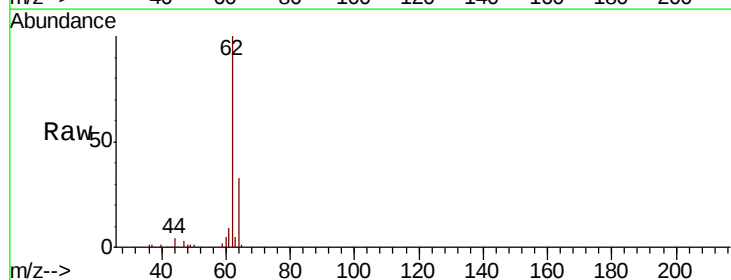
Acq: 10 Jan 2019 9:03

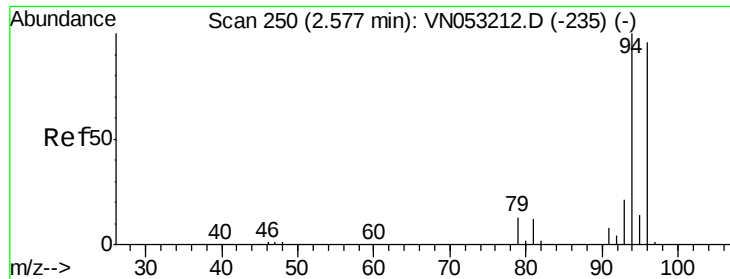
Tgt Ion: 62 Resp: 239783

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 19.748 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

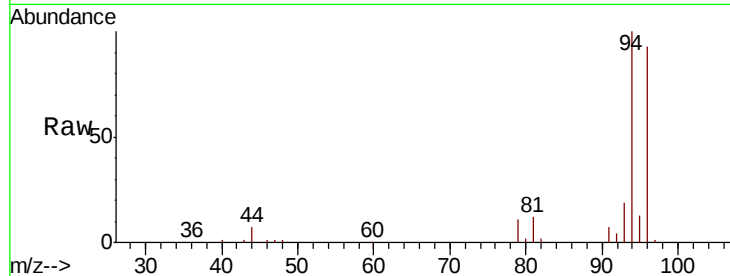
VSTDCCC020

Tgt Ion: 94 Resp: 160186

Ion Ratio Lower Upper

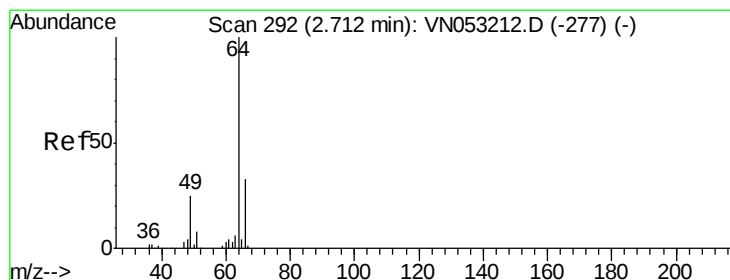
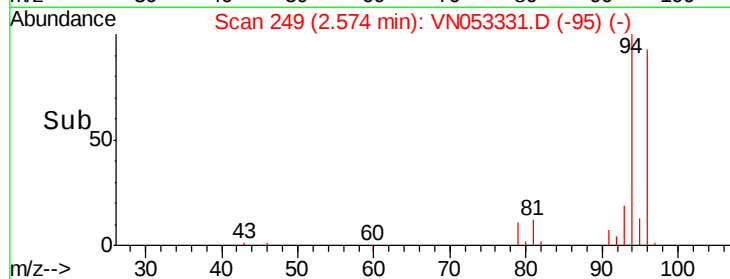
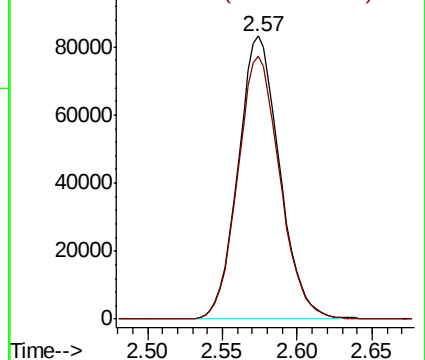
94 100

96 92.5 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.921 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053331.D

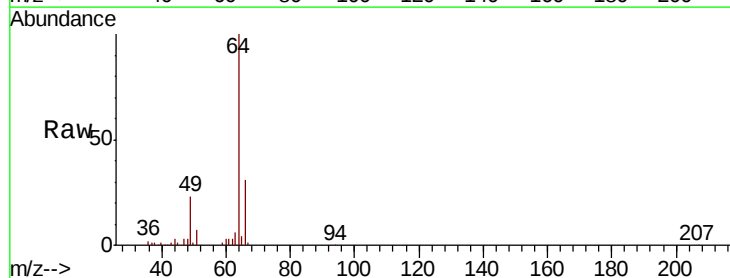
Acq: 10 Jan 2019 9:03

Tgt Ion: 64 Resp: 144372

Ion Ratio Lower Upper

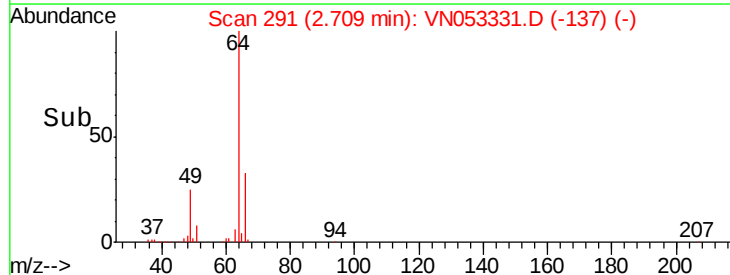
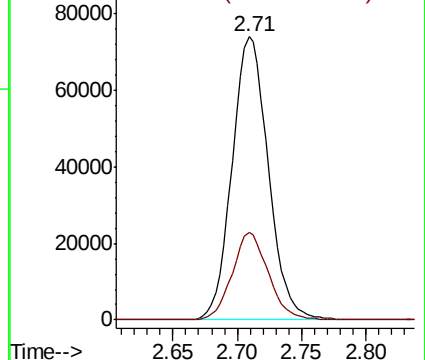
64 100

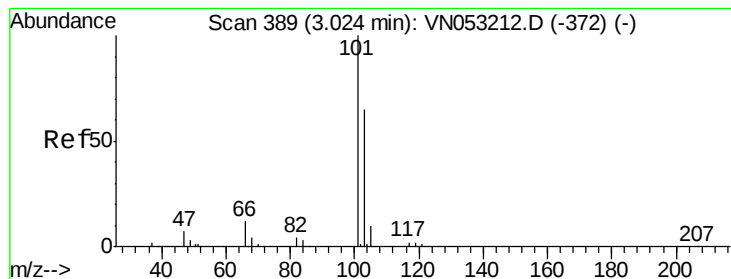
66 31.0 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



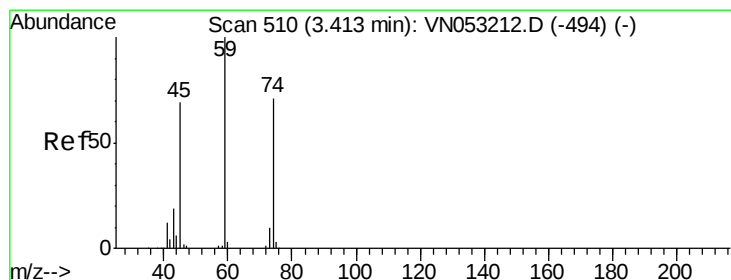
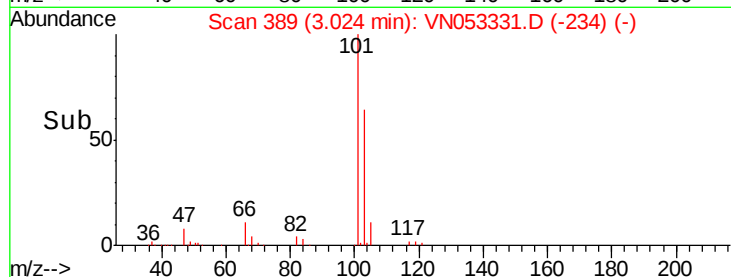
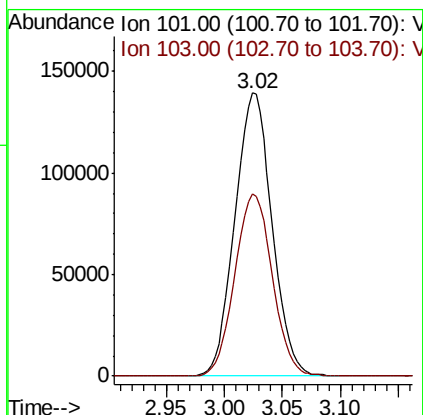
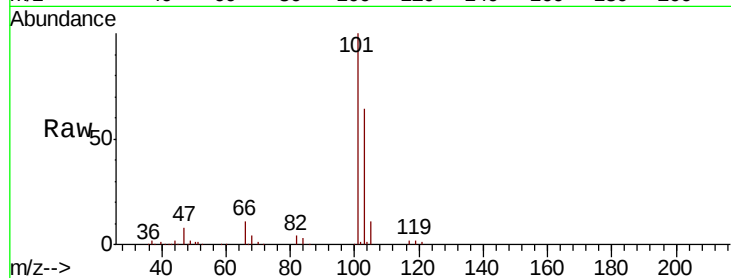


#7

Trichlorofluoromethane
 Concen: 19.980 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
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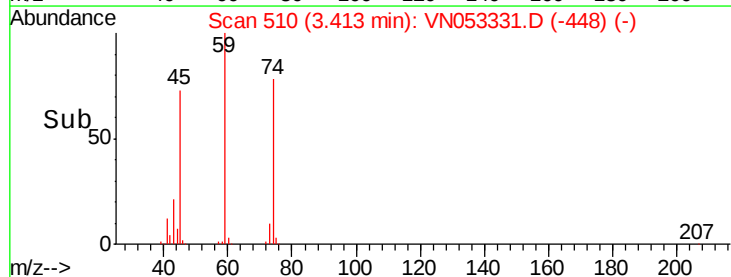
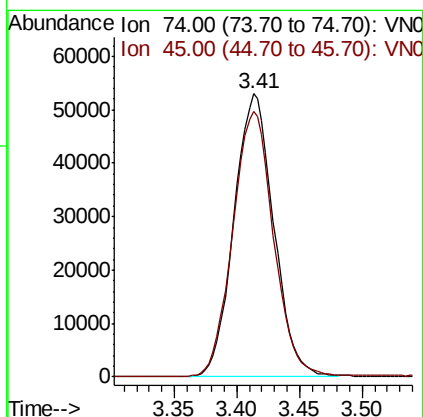
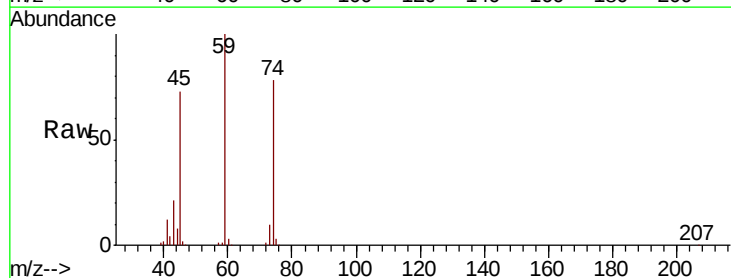
Tgt Ion: 101 Resp: 310425
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

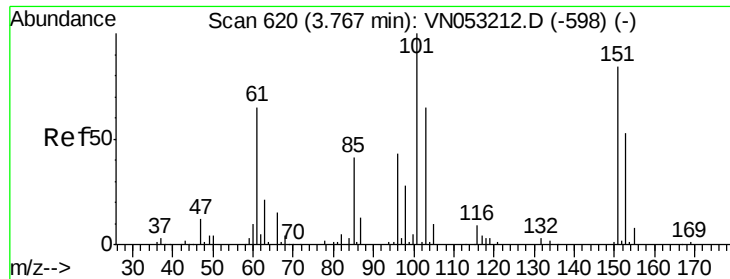


#8

Diethyl Ether
 Concen: 20.246 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 74 Resp: 116863
 Ion Ratio Lower Upper
 74 100
 45 96.3 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.502 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

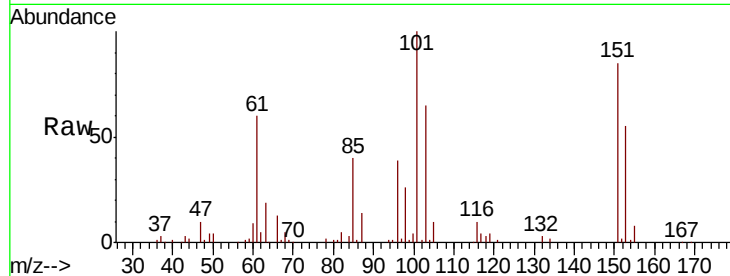
Tgt Ion: 101 Resp: 200136

Ion Ratio Lower Upper

101 100

85 41.4 0.0 82.6

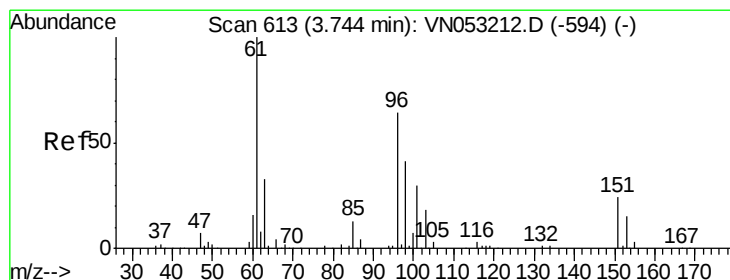
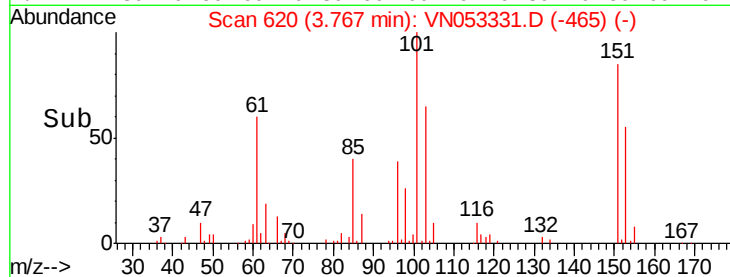
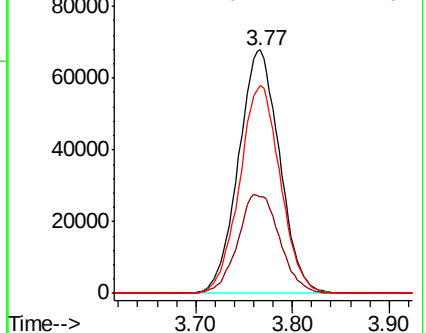
151 85.0 0.0 158.4



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: 19.388 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

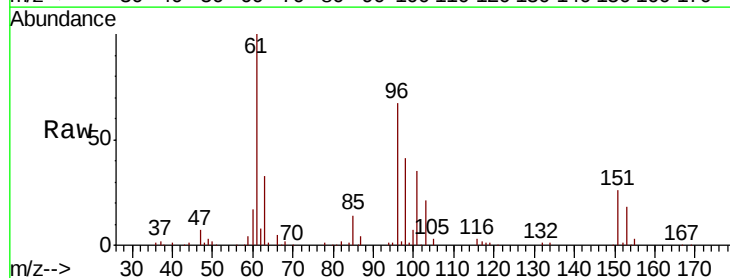
Tgt Ion: 96 Resp: 184688

Ion Ratio Lower Upper

96 100

61 149.5 129.4 194.2

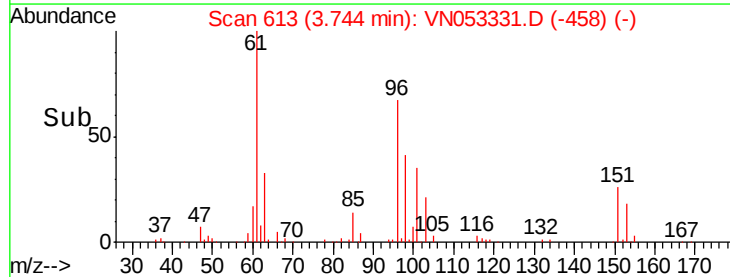
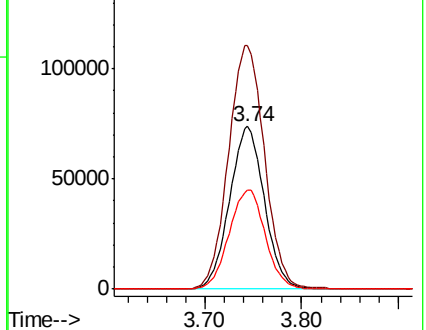
98 61.1 50.4 75.6

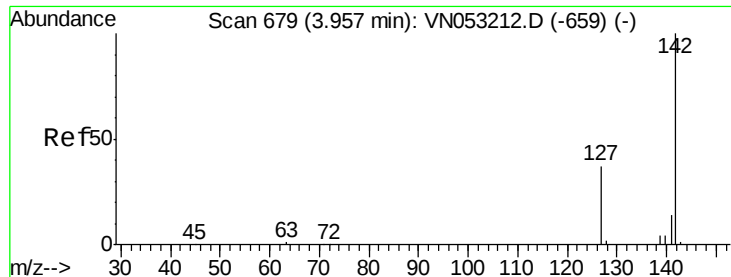


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

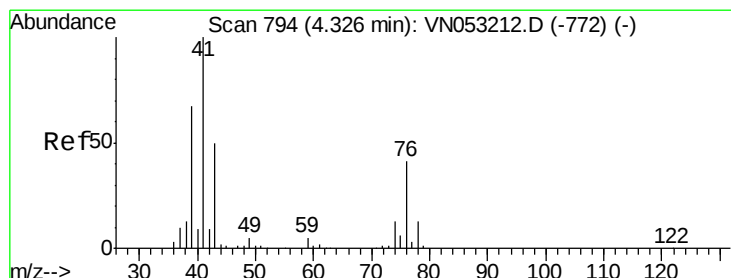
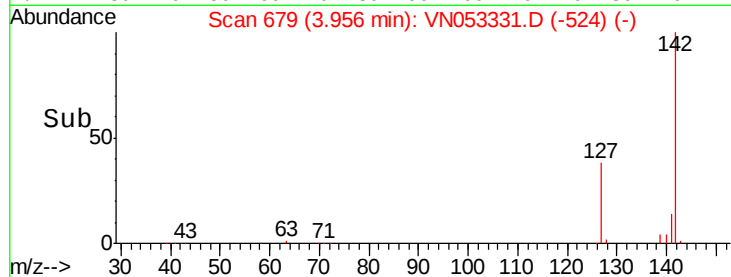
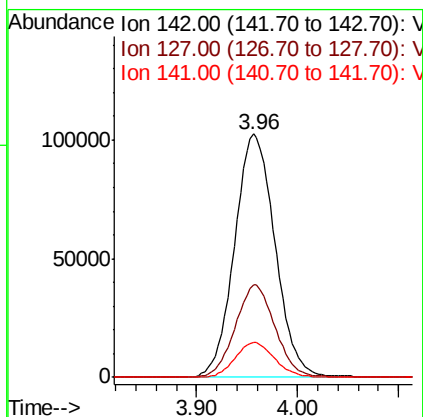
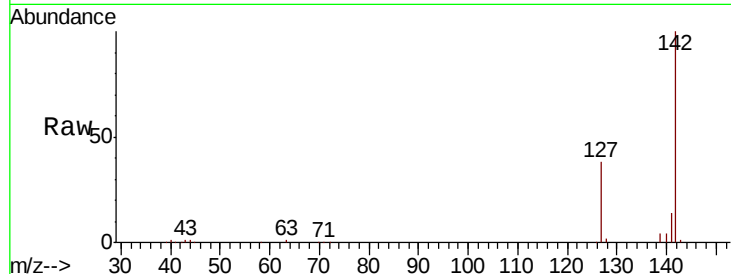




#11
Methyl Iodide
Concen: 20.468 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

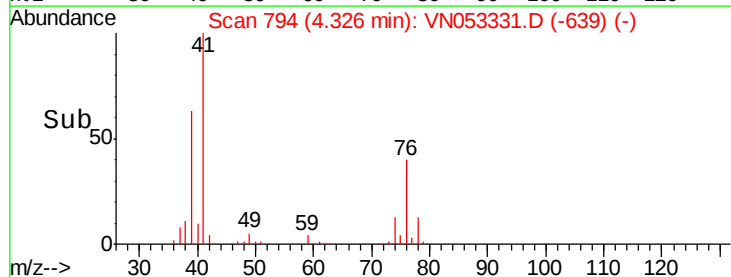
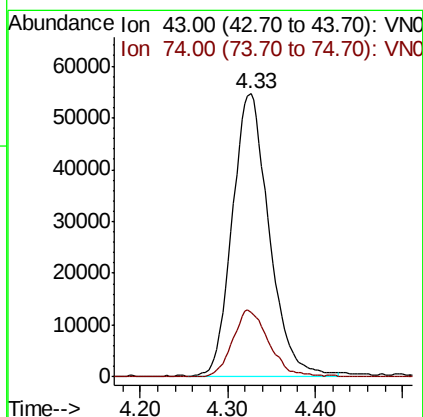
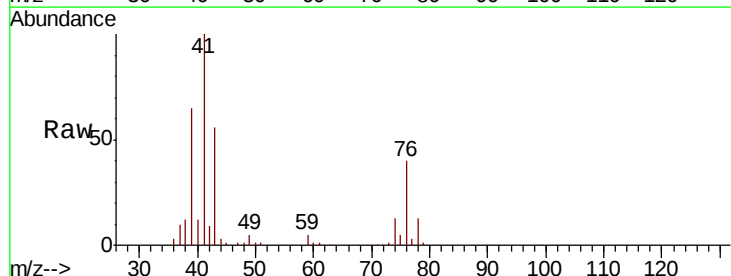
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

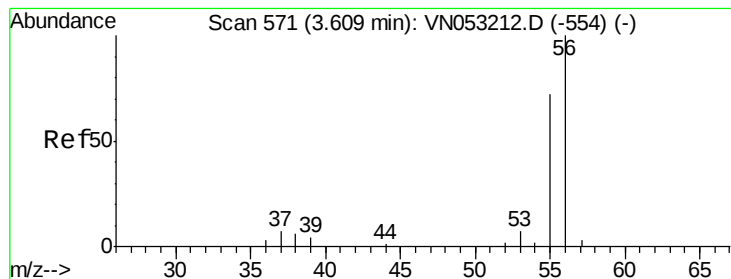
Tgt Ion: 142 Resp: 285548
Ion Ratio Lower Upper
142 100
127 38.1 19.4 58.1
141 14.4 7.2 21.6



#12
Methyl Acetate
Concen: 21.364 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 43 Resp: 158625
Ion Ratio Lower Upper
43 100
74 22.9 18.9 28.3





#13

Acrolein

Concen: 88.466 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

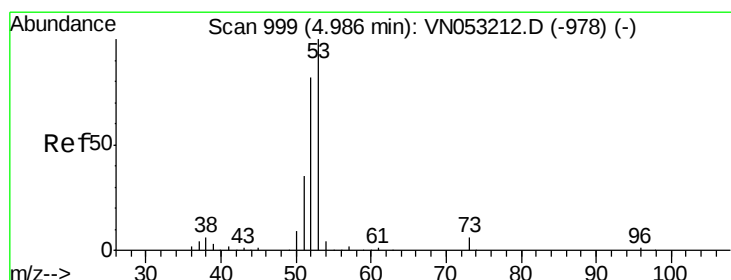
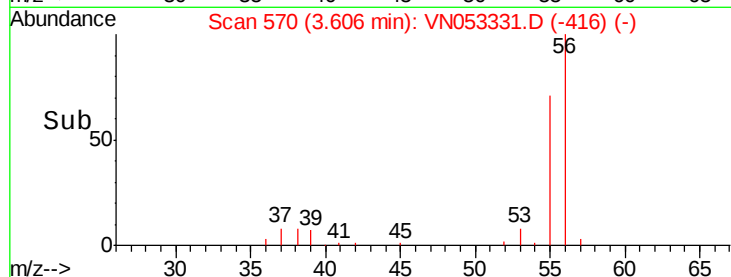
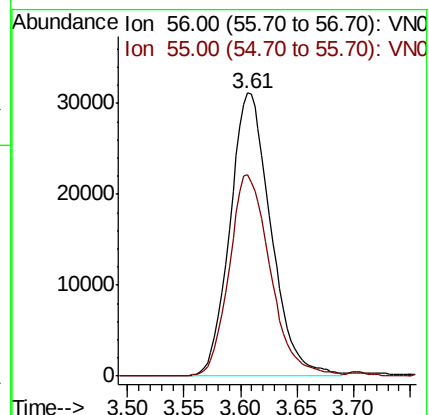
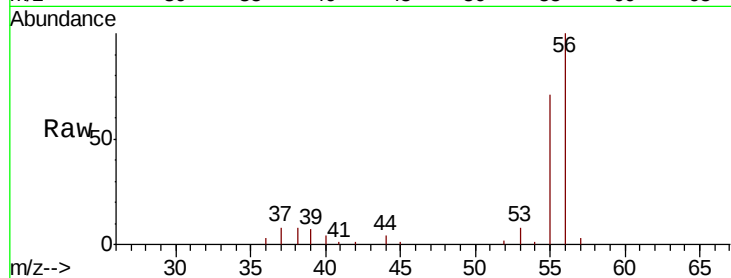
VSTDCCC020

Tgt Ion: 56 Resp: 78424

Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1



#14

Acrylonitrile

Concen: 104.972 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

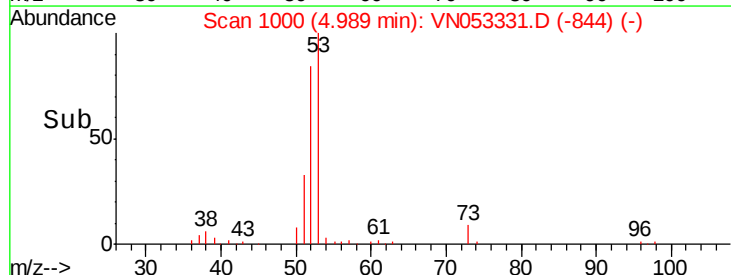
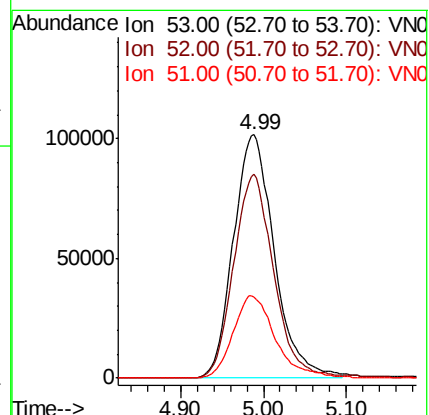
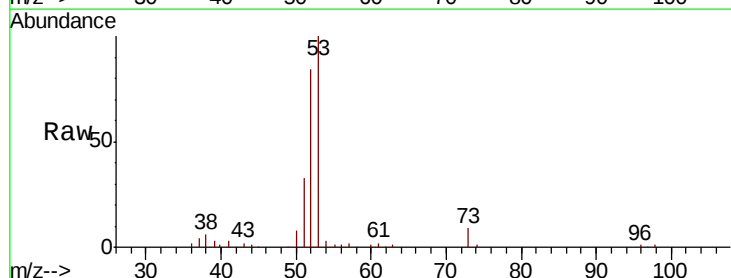
Tgt Ion: 53 Resp: 348684

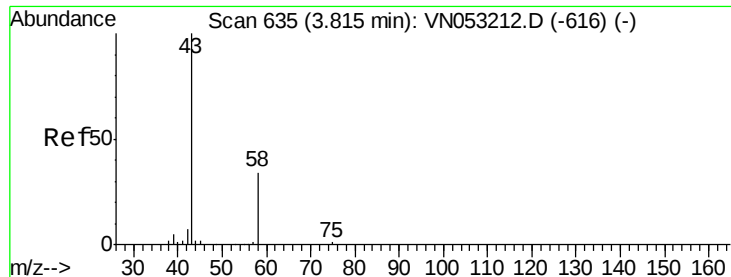
Ion Ratio Lower Upper

53 100

52 81.6 39.9 119.7

51 35.0 17.6 52.9





#15

Acetone

Concen: 136.560 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

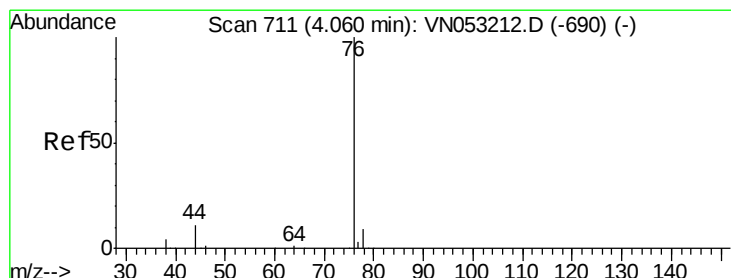
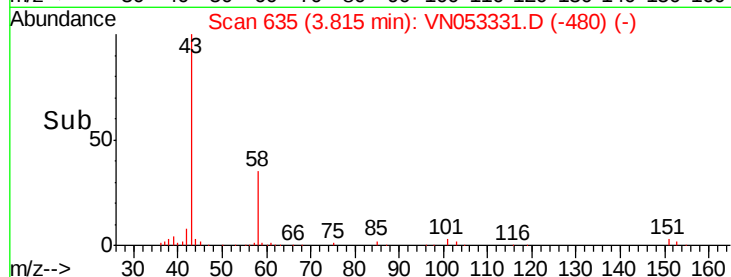
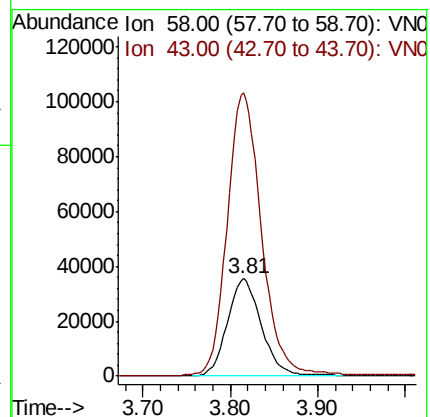
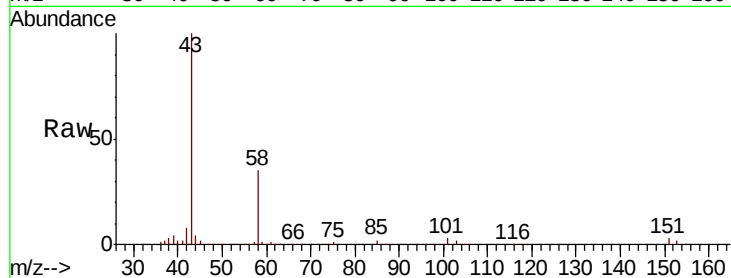
VSTDCCC020

Tgt Ion: 58 Resp: 96404

Ion Ratio Lower Upper

58 100

43 287.8 243.6 365.4



#16

Carbon Disulfide

Concen: 18.565 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053331.D

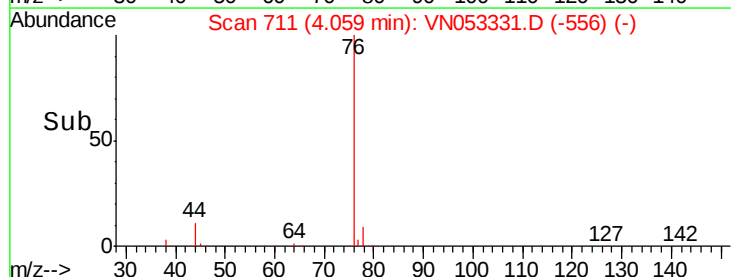
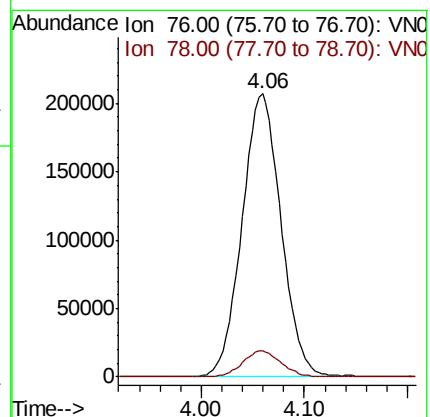
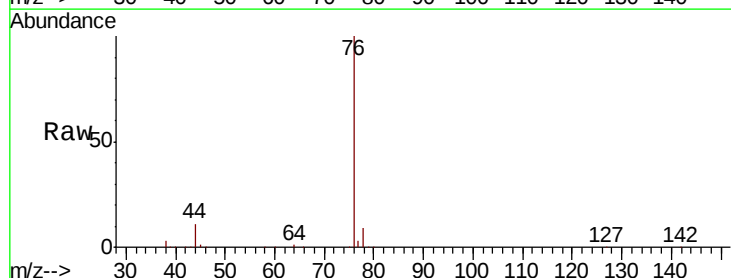
Acq: 10 Jan 2019 9:03

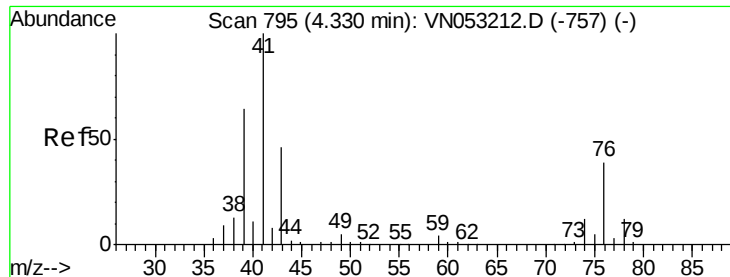
Tgt Ion: 76 Resp: 544055

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

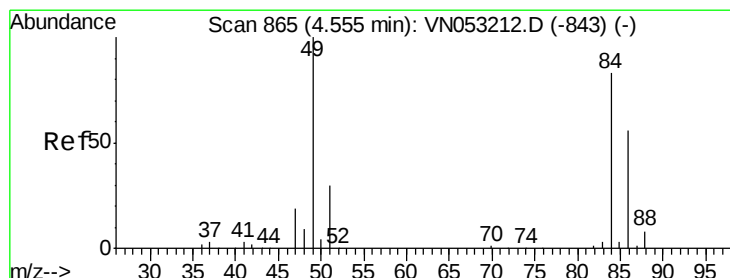
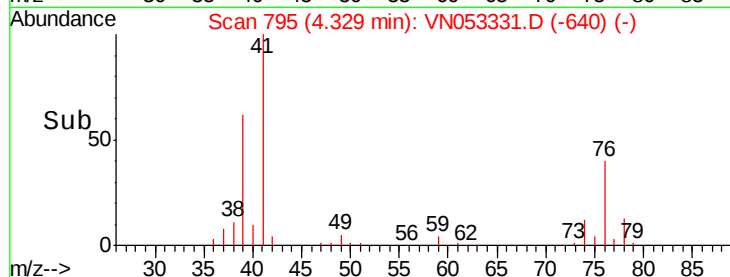
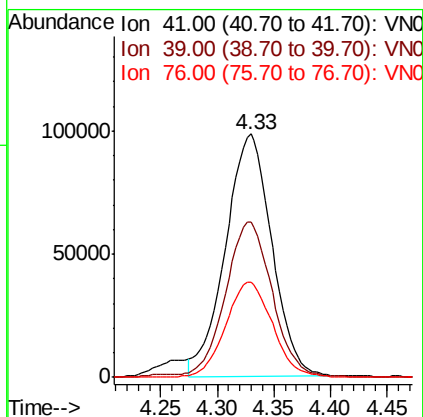
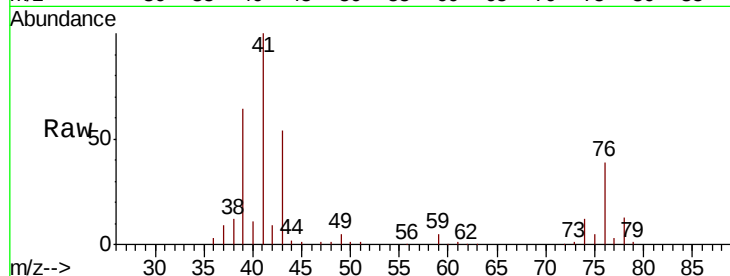




#17
 Allyl chloride
 Concen: 18.710 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

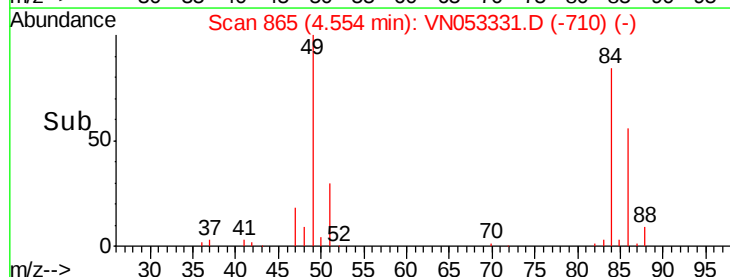
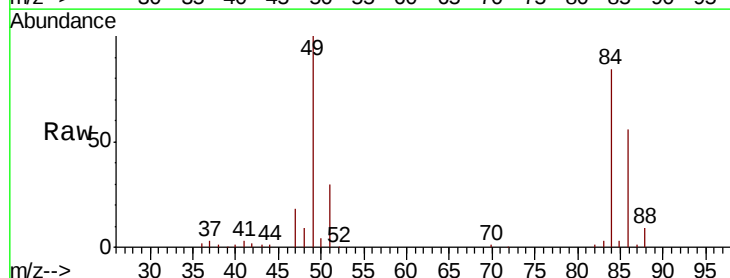
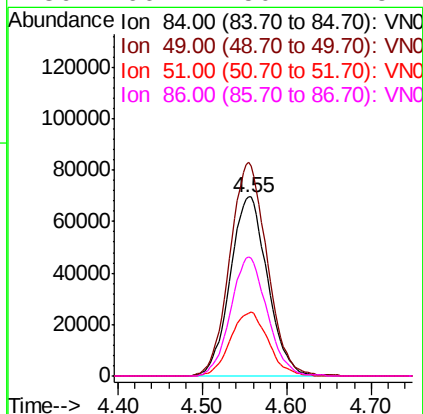
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

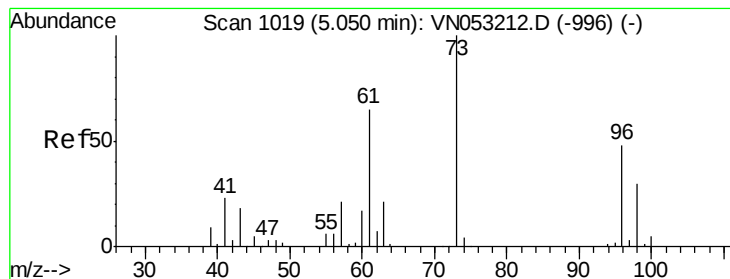
Tgt Ion: 41 Resp: 280389
 Ion Ratio Lower Upper
 41 100
 39 63.7 32.8 98.3
 76 39.1 18.6 55.8



#18
 Methylene Chloride
 Concen: 19.685 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 84 Resp: 214617
 Ion Ratio Lower Upper
 84 100
 49 119.3 101.4 152.0
 51 35.3 31.7 47.5
 86 66.7 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

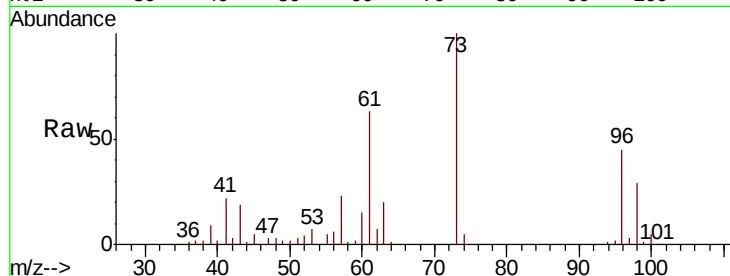
Tgt Ion: 96 Resp: 194886

Ion Ratio Lower Upper

96 100

61 140.7 118.2 177.4

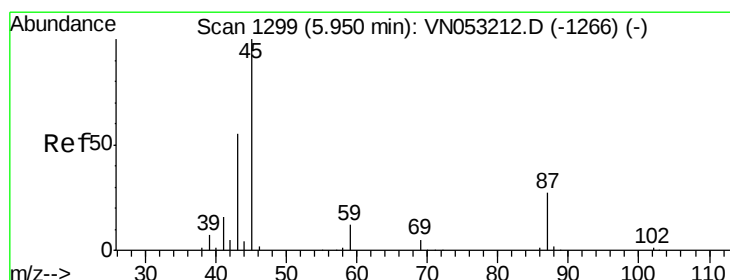
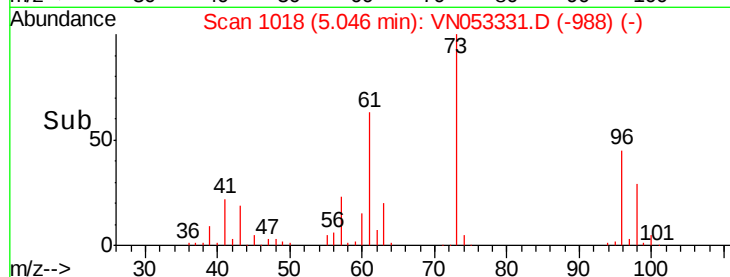
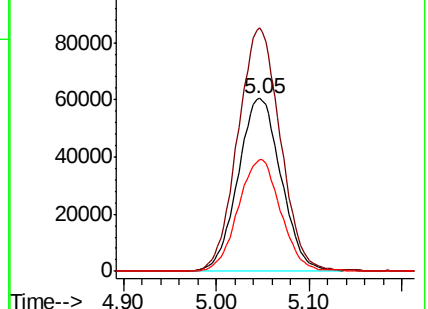
98 64.6 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN053331.D (-1237) (-)

Ion 61.00 (60.70 to 61.70): VN053331.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN053331.D (-1237) (-)



#20

Diisopropyl ether

Concen: 19.954 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Tgt Ion: 45 Resp: 640394

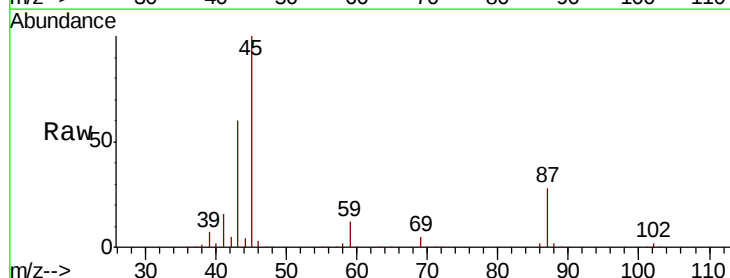
Ion Ratio Lower Upper

45 100

43 57.8 47.8 71.8

87 27.6 21.3 31.9

59 11.9 8.9 13.3

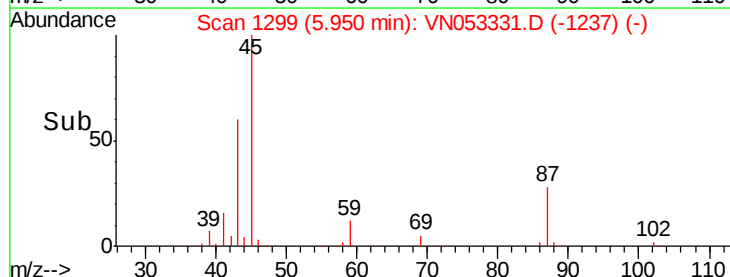
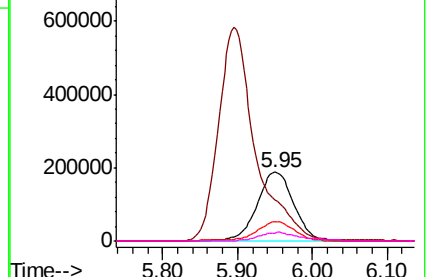


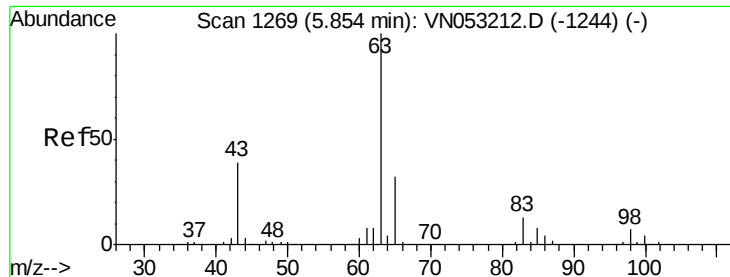
Abundance Ion 45.00 (44.70 to 45.70): VN053331.D (-1237) (-)

Ion 43.00 (42.70 to 43.70): VN053331.D (-1237) (-)

Ion 87.00 (86.70 to 87.70): VN053331.D (-1237) (-)

Ion 59.00 (58.70 to 59.70): VN053331.D (-1237) (-)

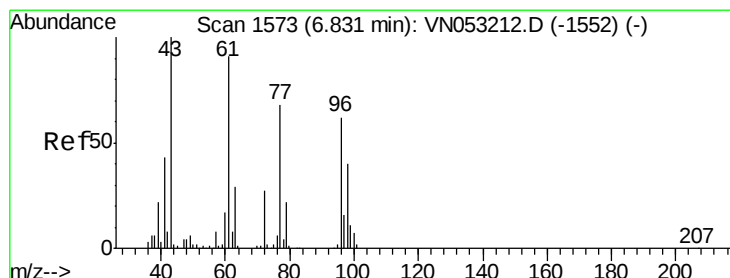
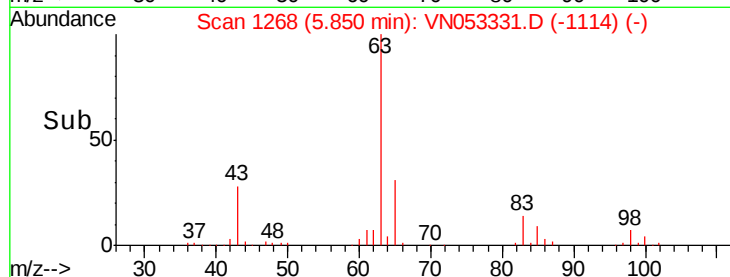
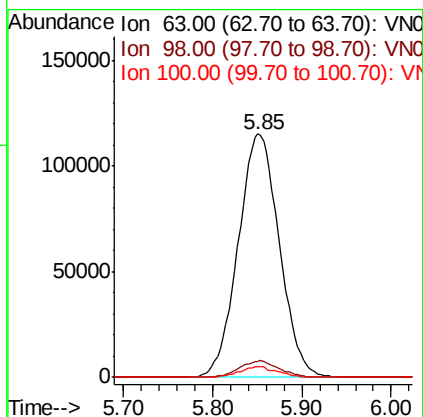
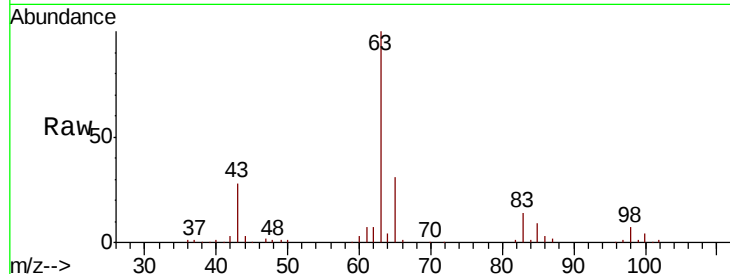




#21
 1,1-Dichloroethane
 Concen: 19.719 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

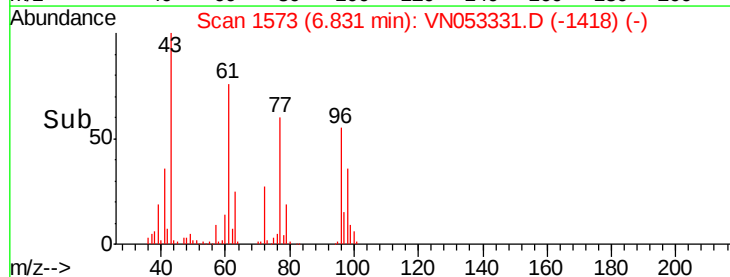
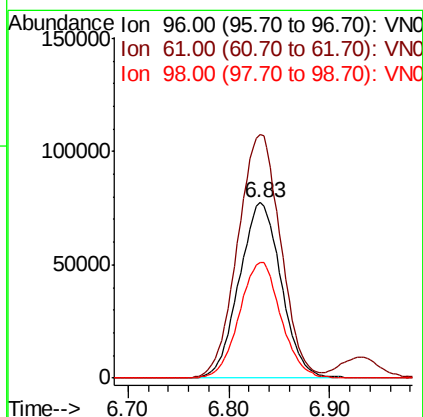
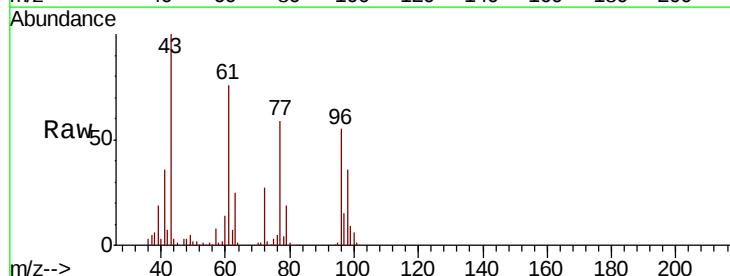
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

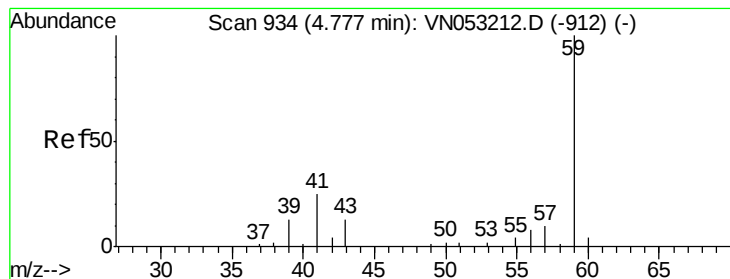
Tgt Ion: 63 Resp: 368488
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.0 9.2
 100 4.5 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.714 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 96 Resp: 223571
 Ion Ratio Lower Upper
 96 100
 61 142.4 116.7 175.1
 98 65.6 50.8 76.2



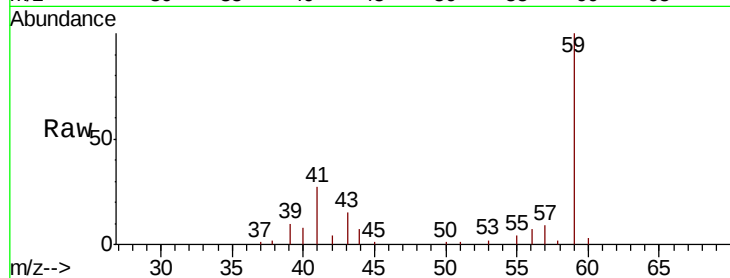


#23

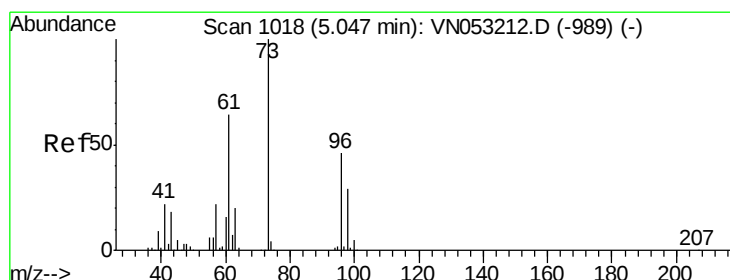
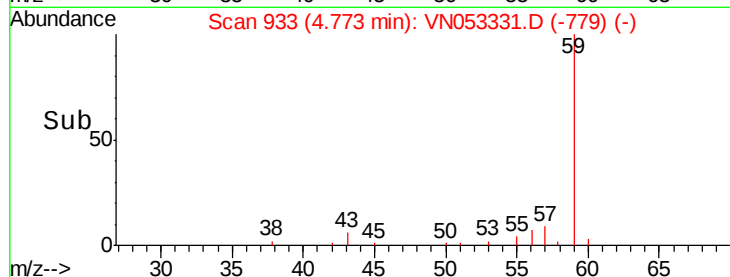
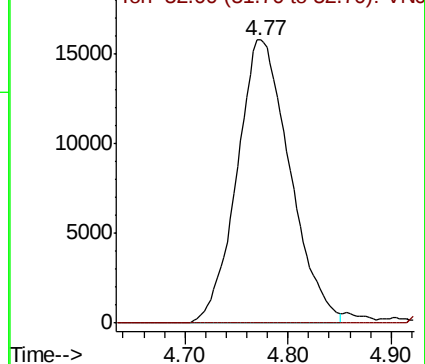
tert-Butyl Alcohol
 Concen: 100.546 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 59 Resp: 56301
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



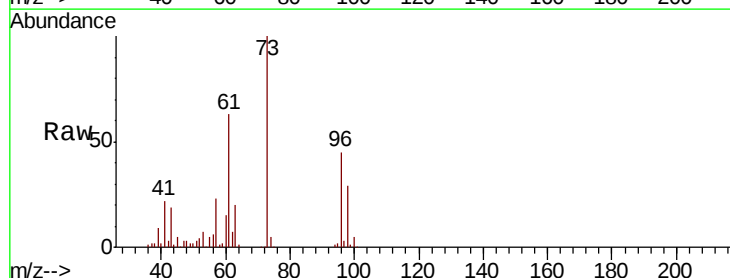
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



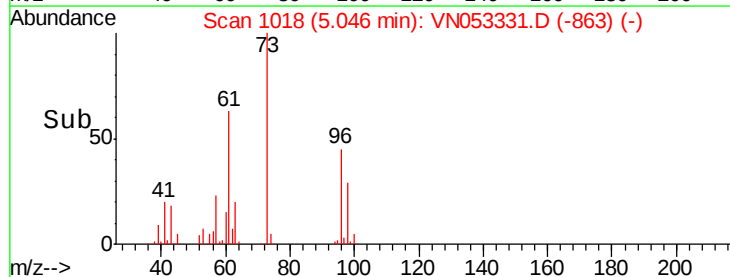
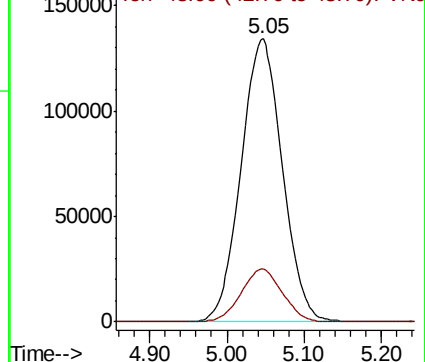
#24

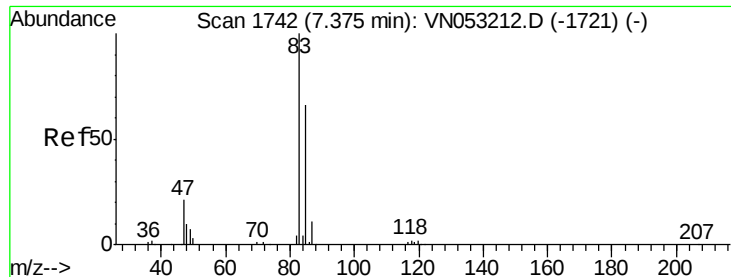
Methyl tert-Butyl Ether
 Concen: 20.095 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 73 Resp: 499177
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

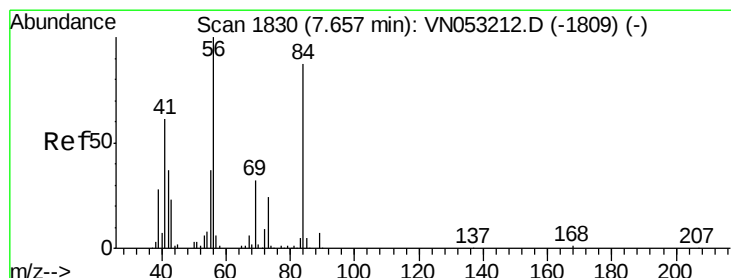
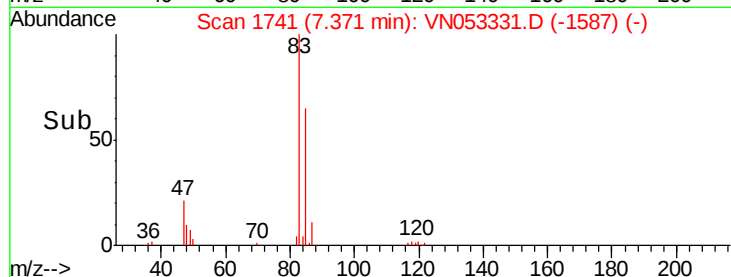
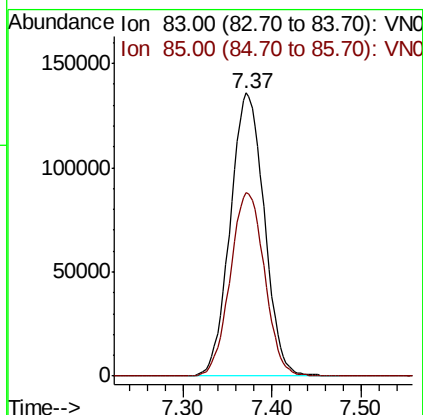
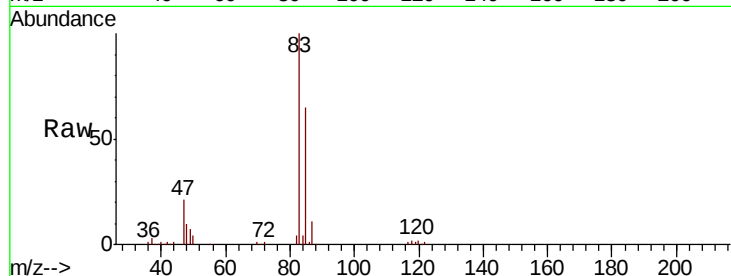




#25
Chloroform
Concen: 19.984 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

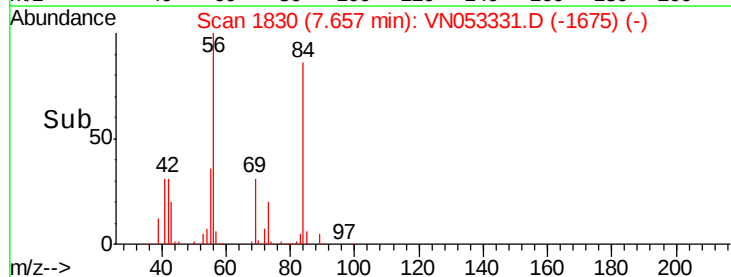
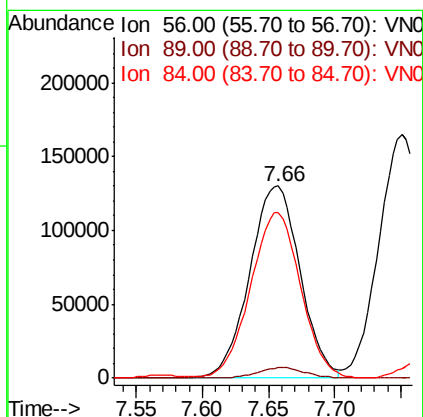
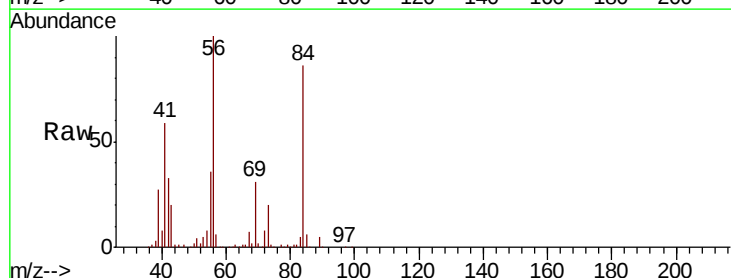
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

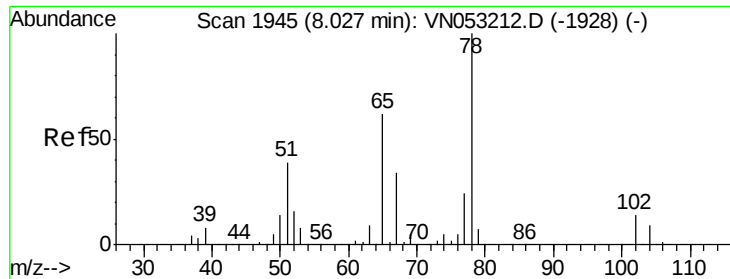
Tgt Ion: 83 Resp: 358958
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5



#26
Cyclohexane
Concen: 19.788 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 56 Resp: 344882
Ion Ratio Lower Upper
56 100
89 5.2 0.5 0.7#
84 85.8 66.2 99.2

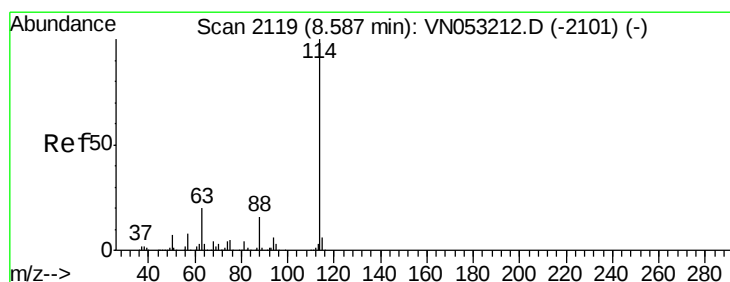
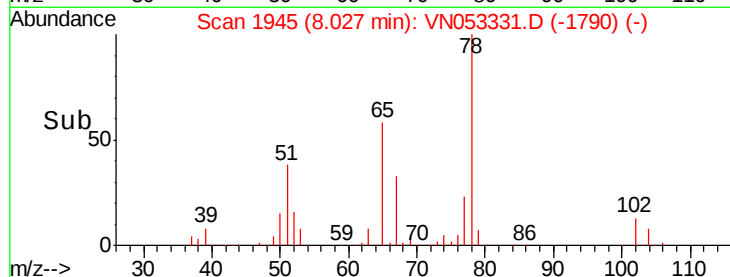
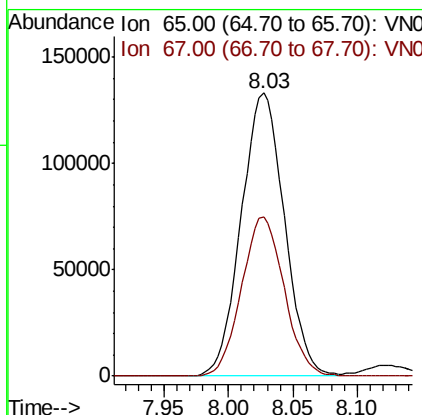
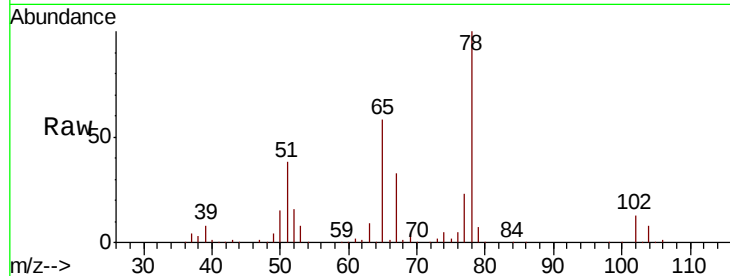




#27
 1,2-Dichloroethane-d4
 Concen: 19.788 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

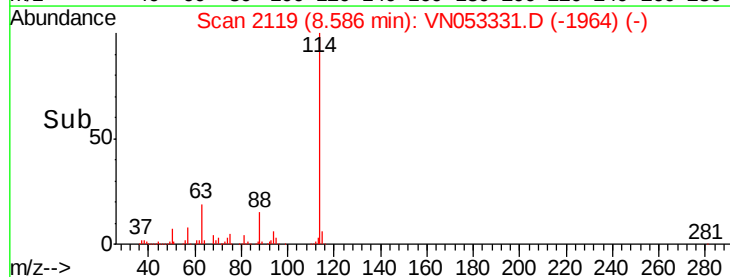
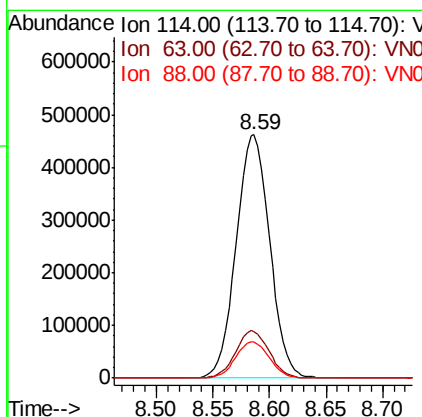
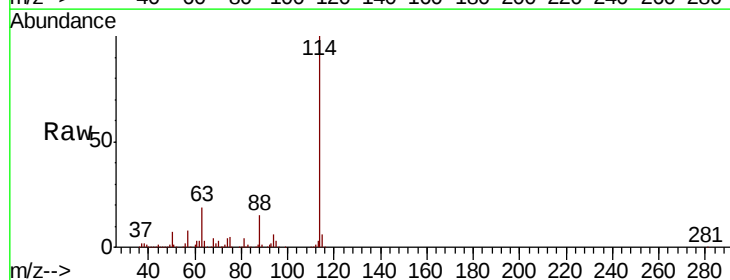
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

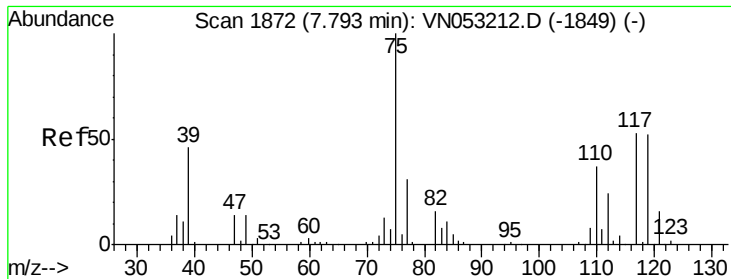
Tgt Ion: 65 Resp: 311099
 Ion Ratio Lower Upper
 65 100
 67 55.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 114 Resp: 956024
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.9 25.3
 88 15.1 12.8 19.2

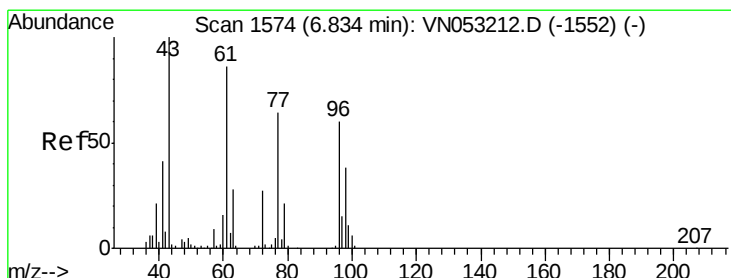
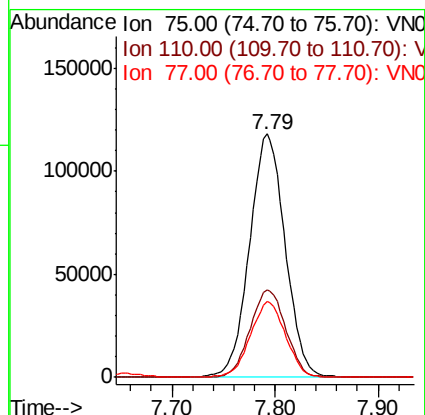
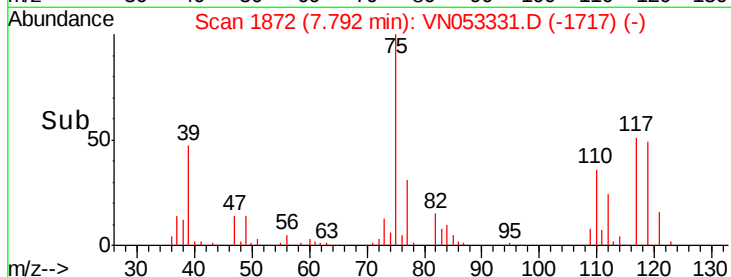
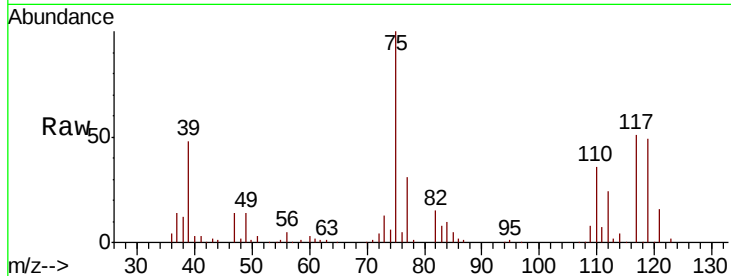




#29
 1,1-Dichloropropene
 Concen: 19.541 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

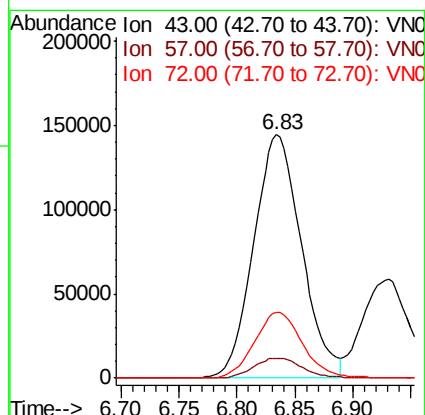
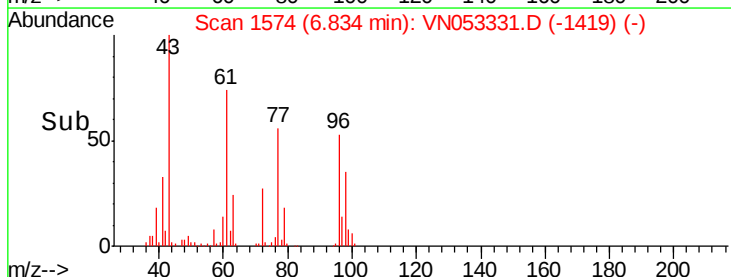
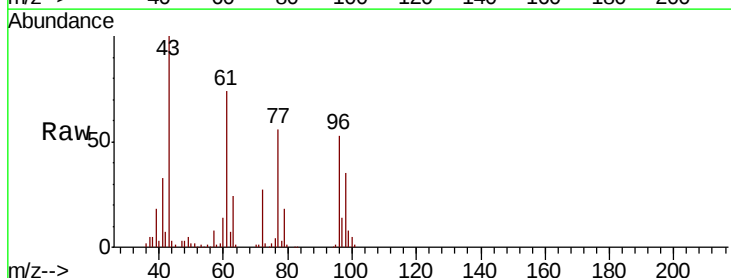
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

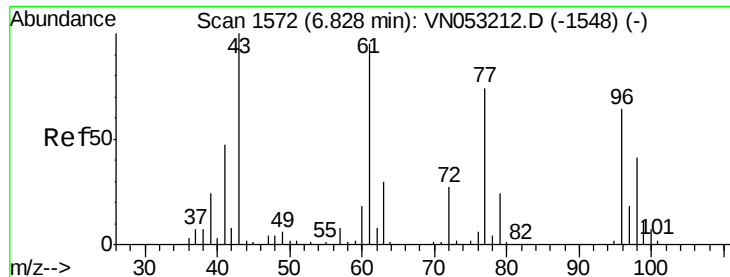
Tgt Ion: 75 Resp: 282986
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 70.2
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 114.435 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 43 Resp: 413442
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.2 9.4
 72 27.2 21.0 31.6

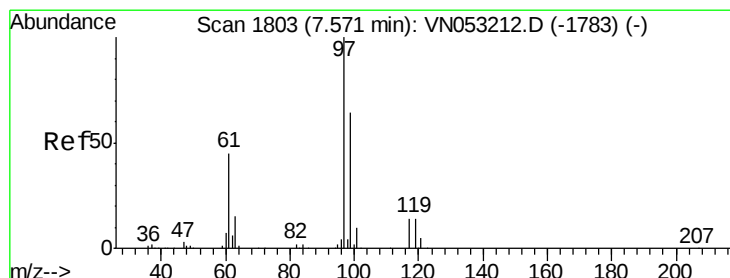
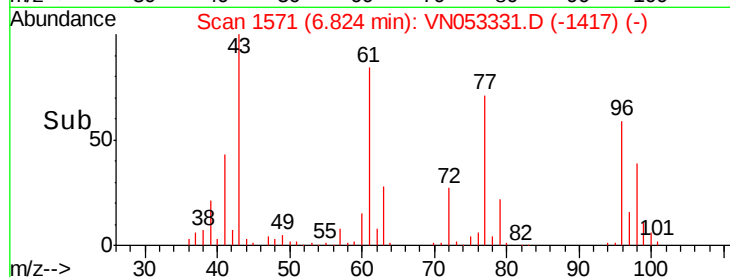
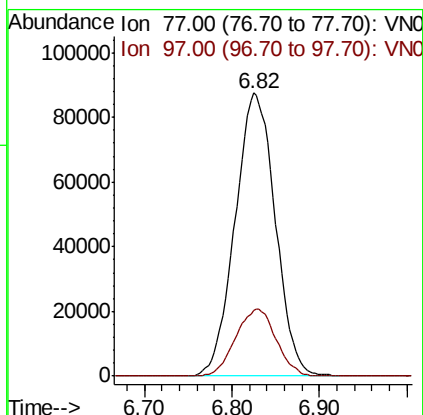
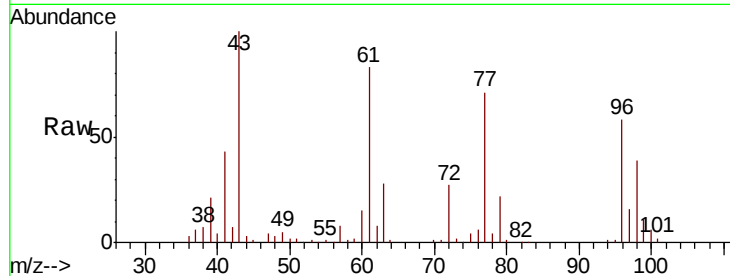




#31
 2,2-Dichloropropane
 Concen: 19.860 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

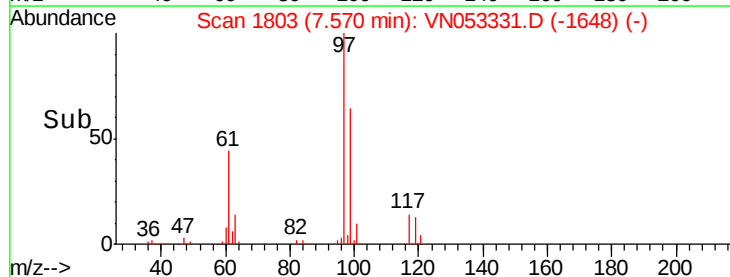
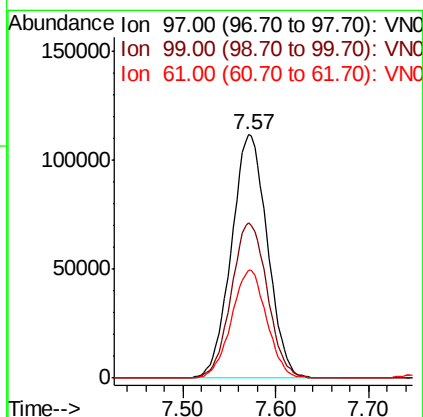
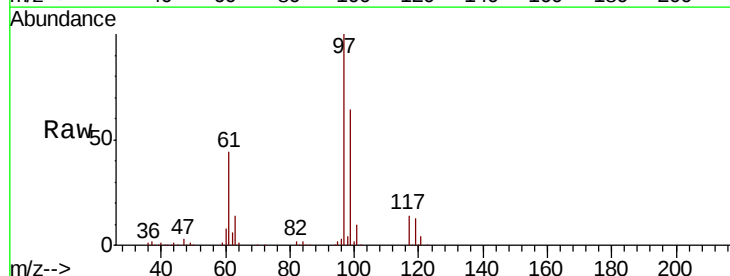
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

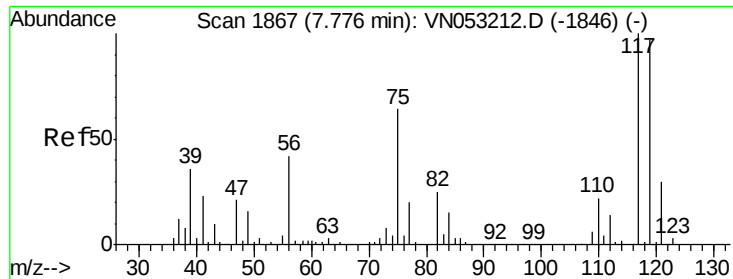
Tgt Ion: 77 Resp: 278425
 Ion Ratio Lower Upper
 77 100
 97 23.9 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.812 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 97 Resp: 300605
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.9 76.3
 61 43.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.989 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

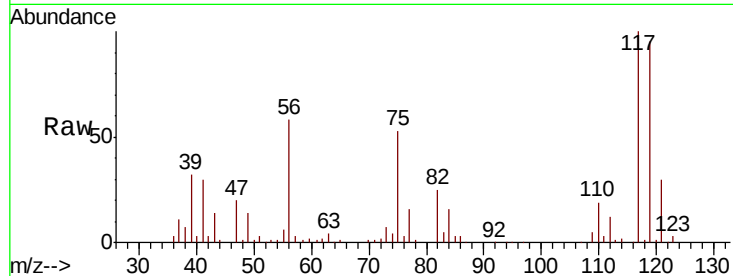
Tgt Ion:117 Resp: 265473

Ion Ratio Lower Upper

117 100

119 95.2 77.3 115.9

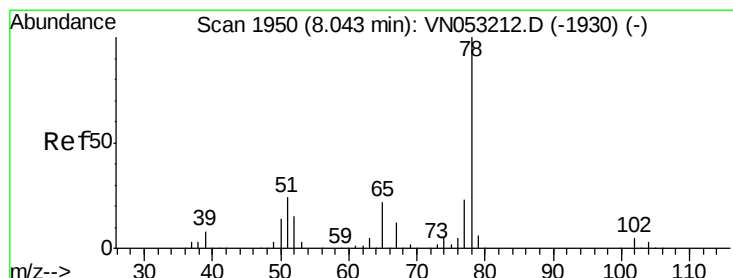
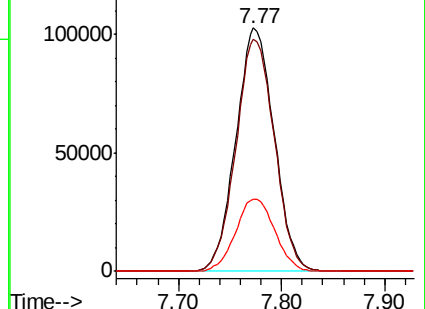
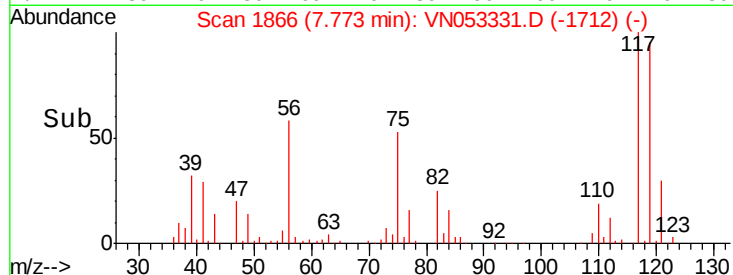
121 29.8 24.9 37.3



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: 19.760 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

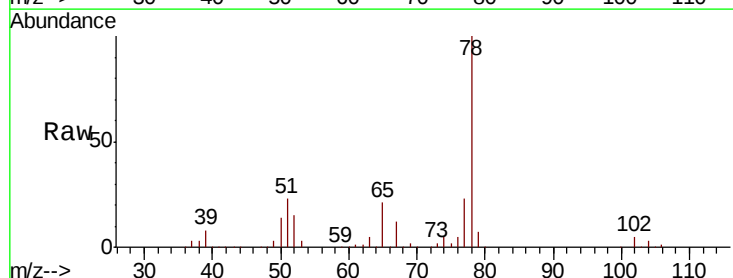
Tgt Ion: 78 Resp: 859978

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

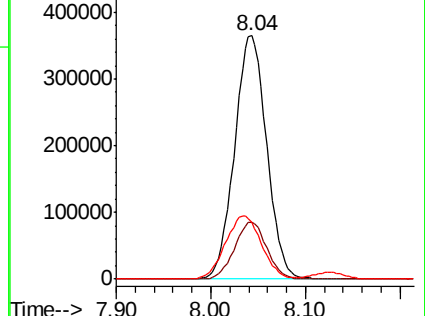
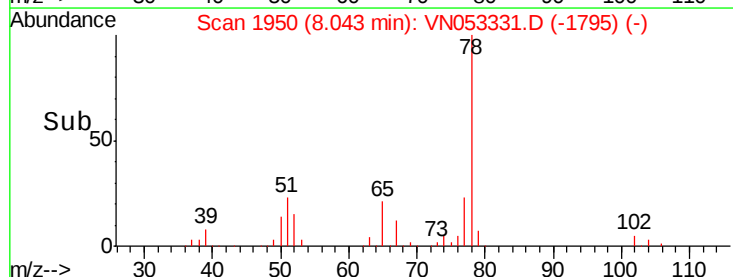
51 23.0 20.5 30.7

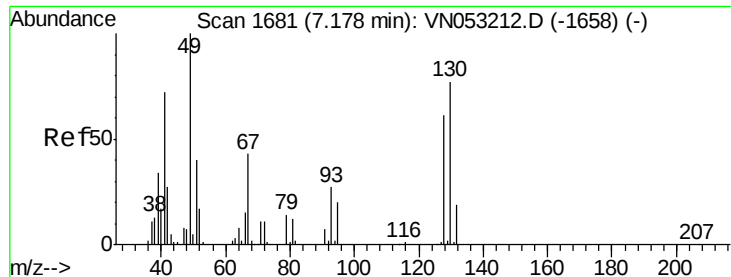


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

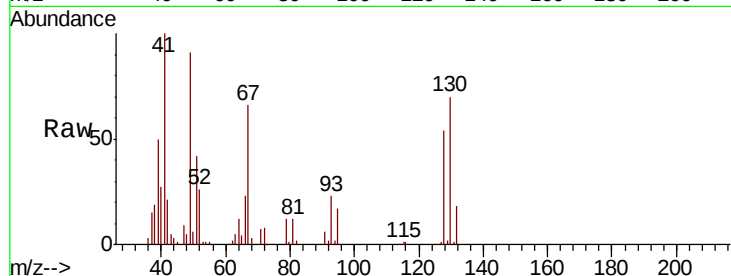




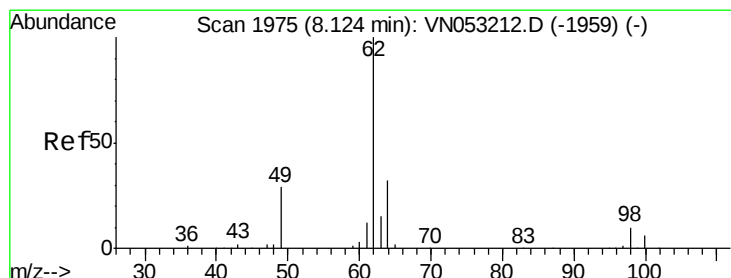
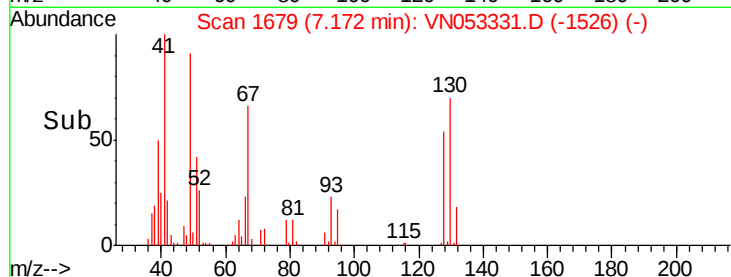
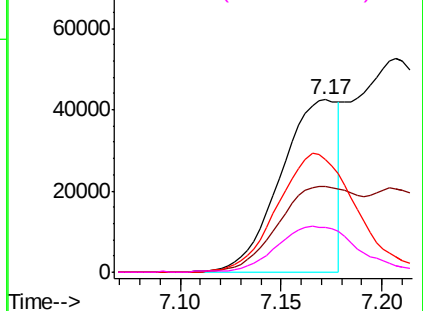
#35
Methacrylonitrile
Concen: 18.033 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	84070
Ion	Ratio	Lower	Upper
41	100		
39	50.1	26.6	79.7
67	65.6	32.3	96.9
52	26.0	13.0	38.9

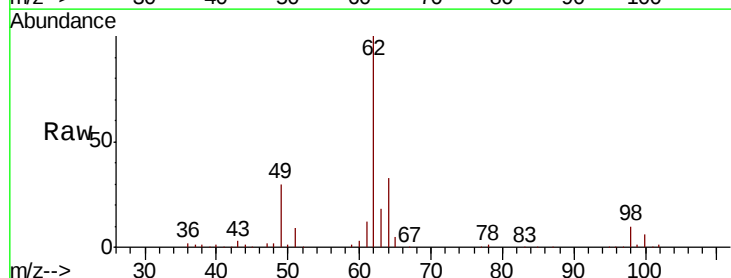


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

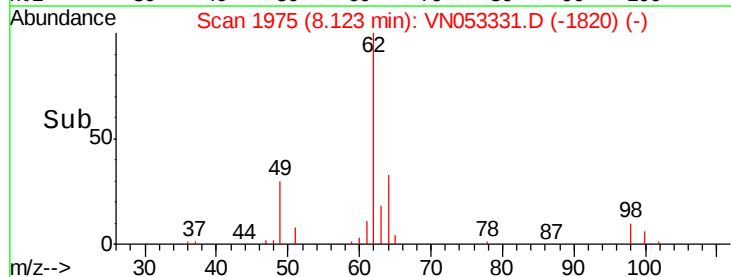
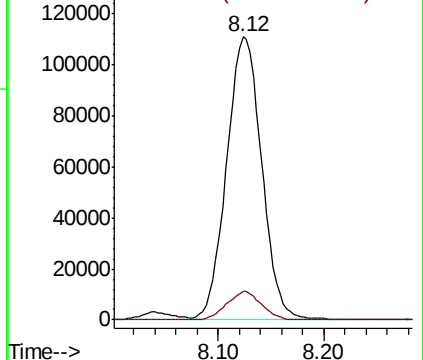


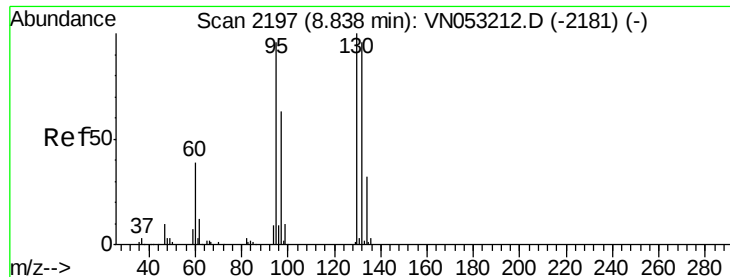
#36
1,2-Dichloroethane
Concen: 20.170 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion:	62	Resp:	254829
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

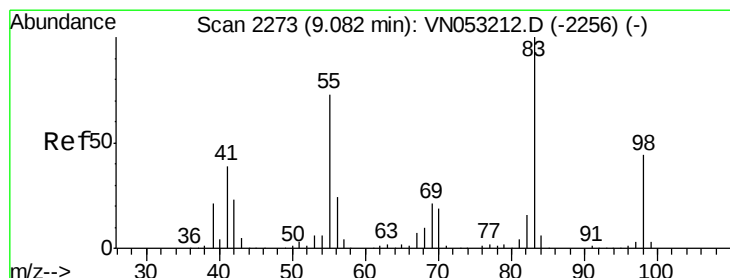
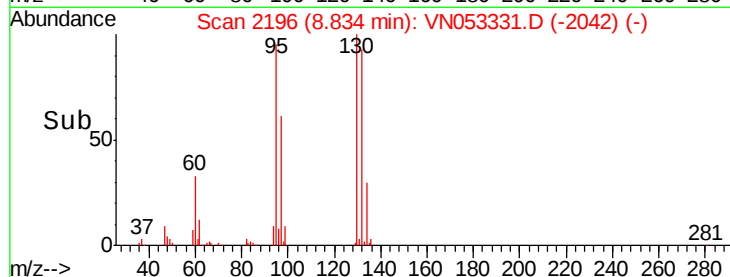
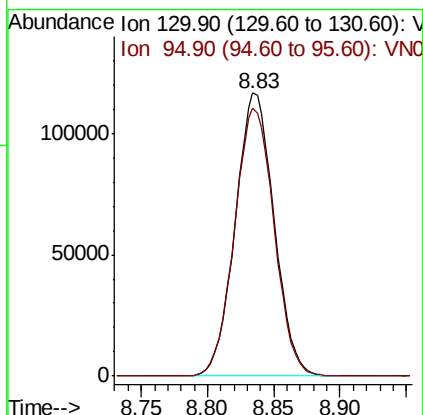
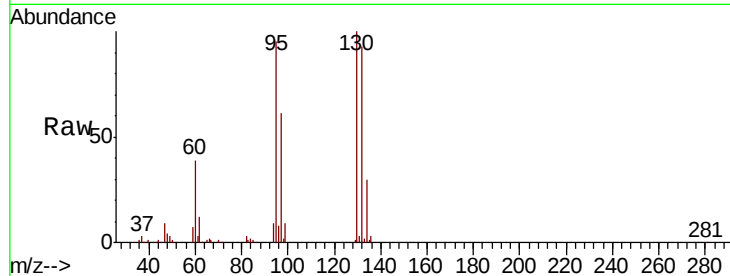




#37
 Trichloroethene
 Concen: 20.102 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

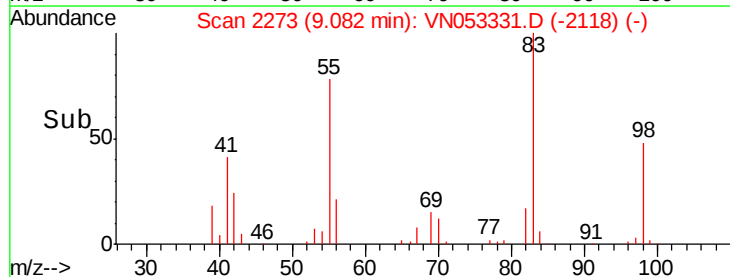
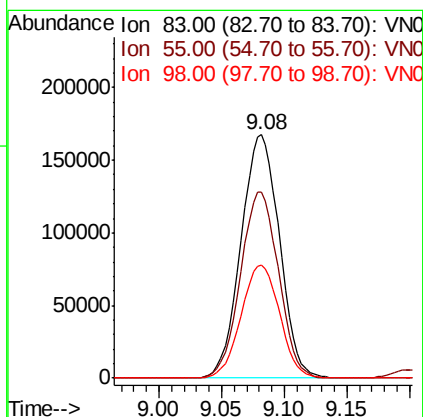
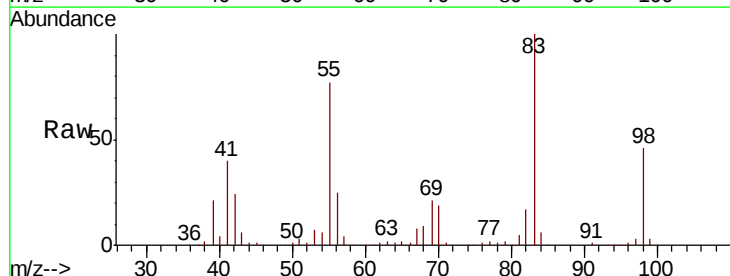
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

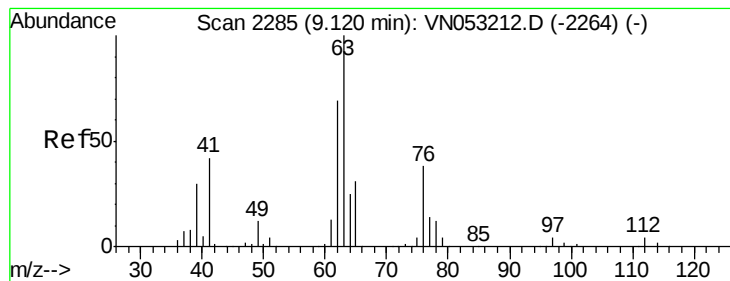
Tgt Ion: 130 Resp: 237003
 Ion Ratio Lower Upper
 130 100
 95 94.7 81.0 121.4



#38
 Methylcyclohexane
 Concen: 21.148 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 83 Resp: 358210
 Ion Ratio Lower Upper
 83 100
 55 75.4 39.8 119.4
 98 46.6 22.9 68.5





#39

1,2-Dichloropropane

Concen: 20.017 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

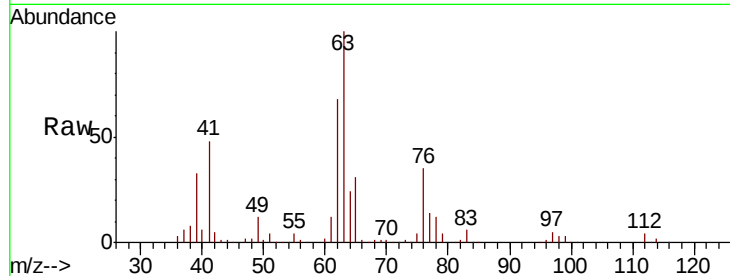
VSTDCCC020

Tgt Ion: 63 Resp: 227478

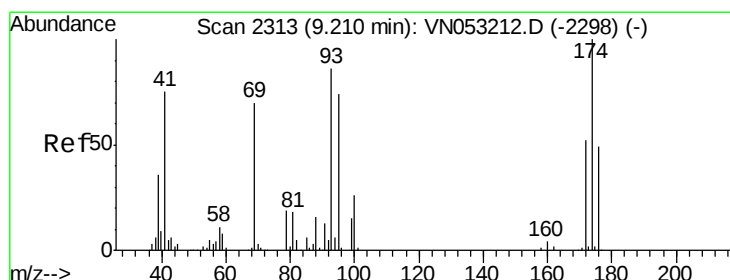
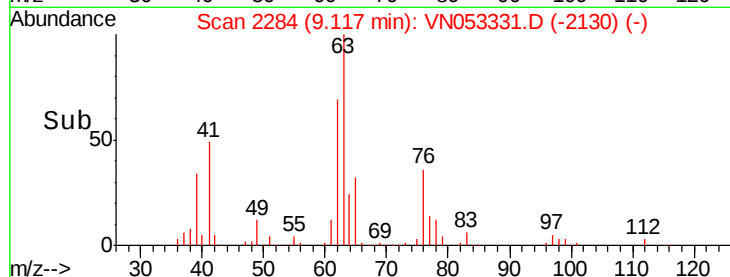
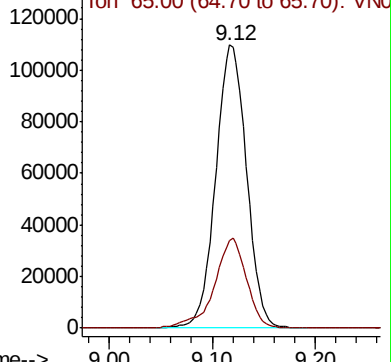
Ion Ratio Lower Upper

63 100

65 31.2 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN053331.D (-2130) (-)



#40

Dibromomethane

Concen: 20.118 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

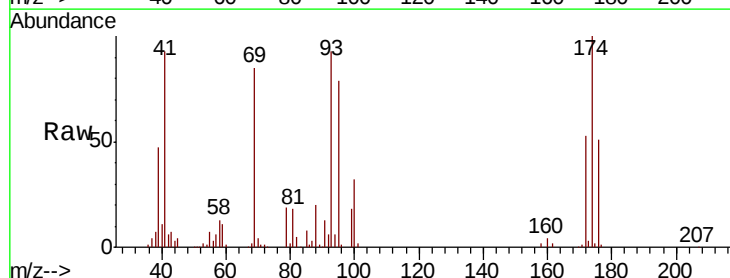
Tgt Ion: 93 Resp: 129299

Ion Ratio Lower Upper

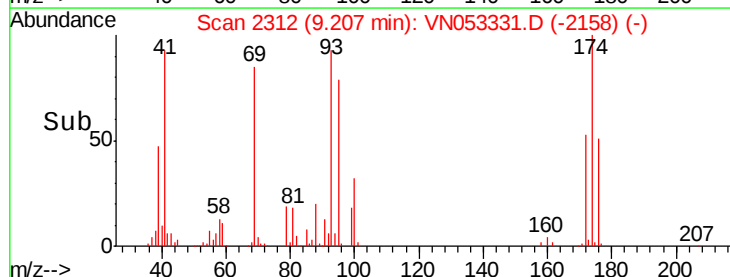
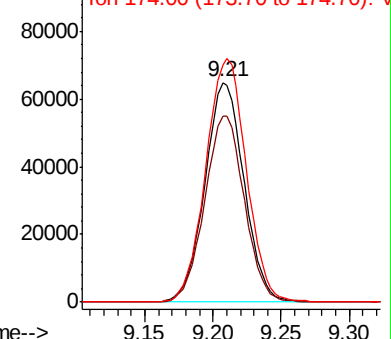
93 100

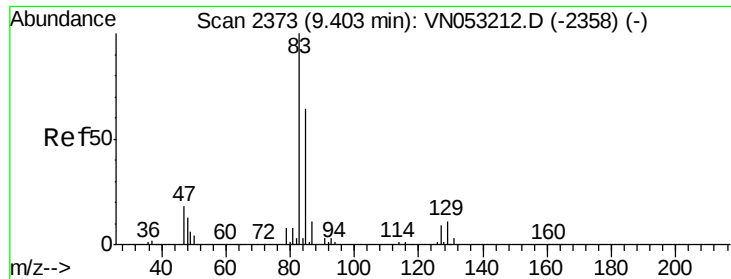
95 85.7 0.0 168.4

174 115.0 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN053331.D (-2158) (-)





#41

Bromodichloromethane

Concen: 19.693 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

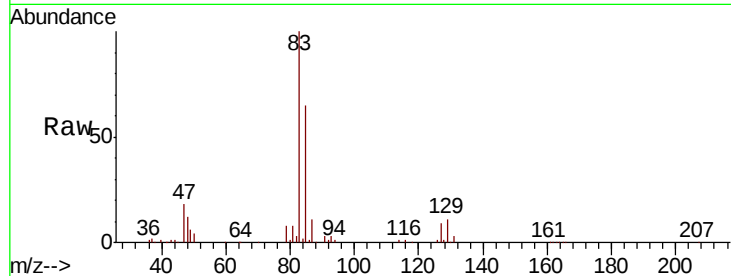
Tgt Ion: 83 Resp: 271809

Ion Ratio Lower Upper

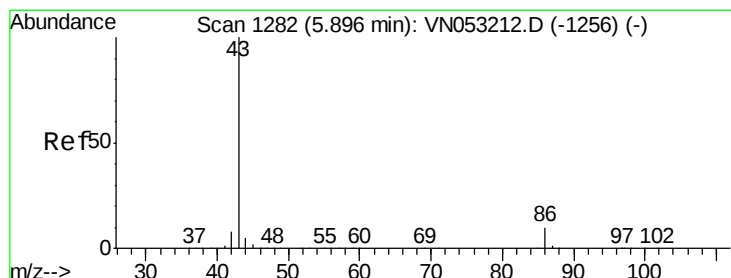
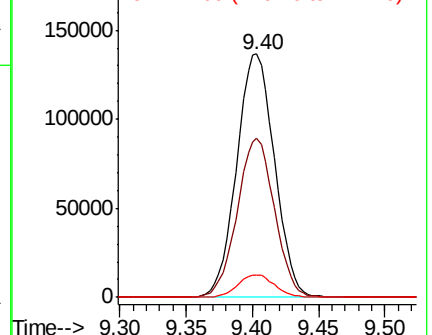
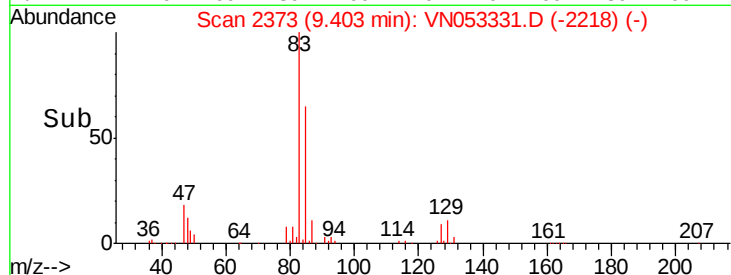
83 100

85 65.3 52.4 78.6

127 9.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN053331.D (-2218) (-)



#42

Vinyl Acetate

Concen: 101.799 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053331.D

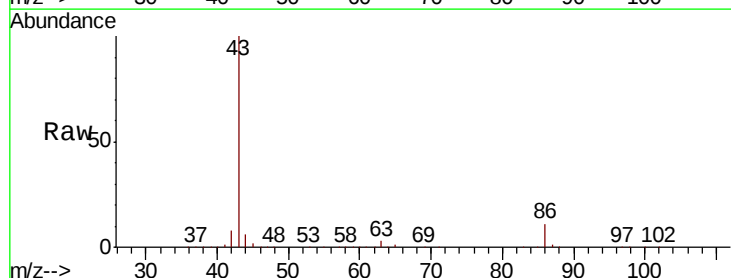
Acq: 10 Jan 2019 9:03

Tgt Ion: 43 Resp: 2006525

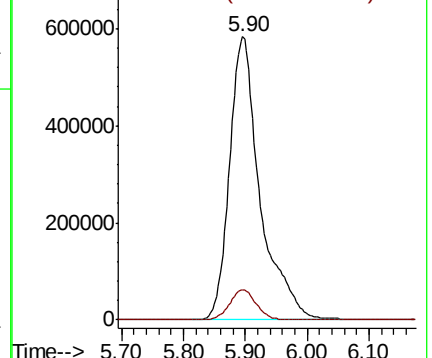
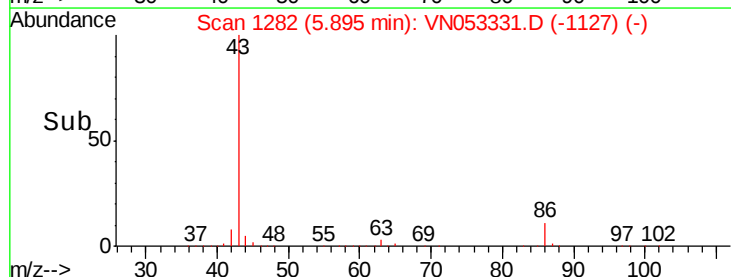
Ion Ratio Lower Upper

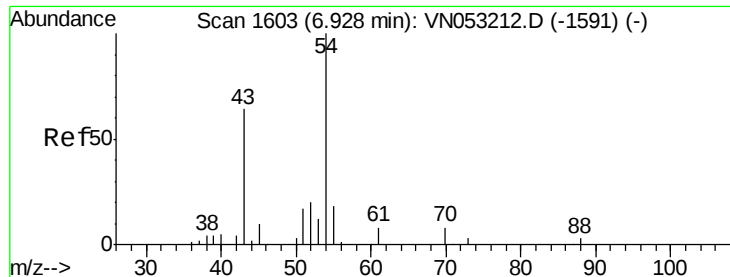
43 100

86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053331.D (-1127) (-)

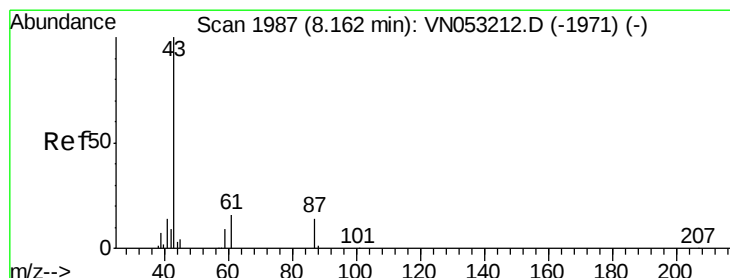
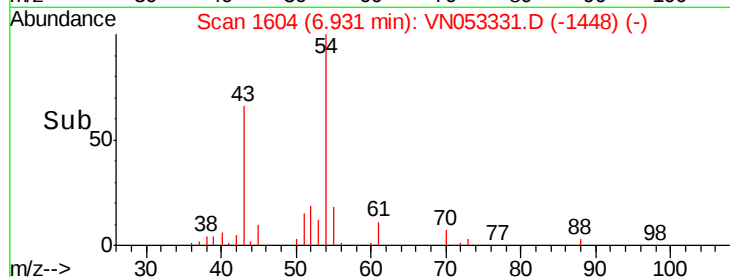
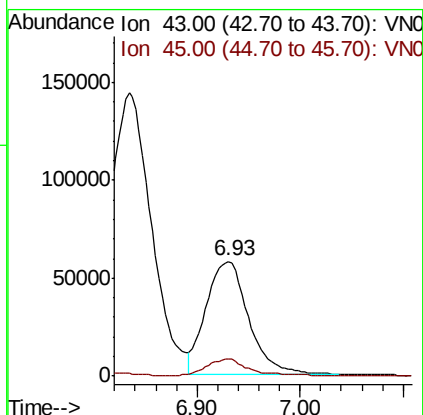
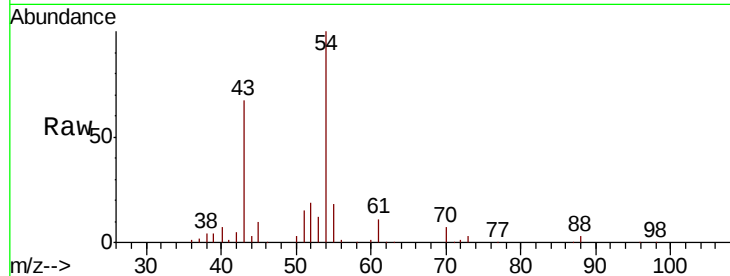




#43
Ethyl Acetate
Concen: 20.430 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

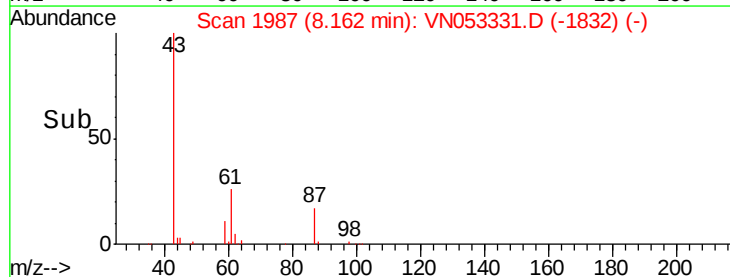
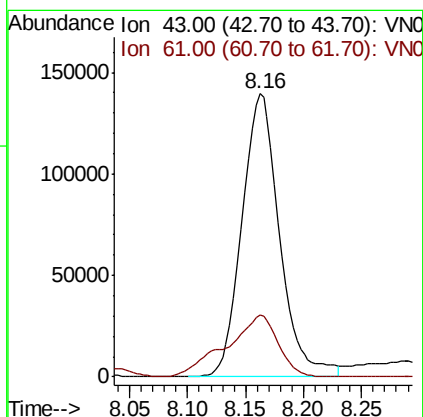
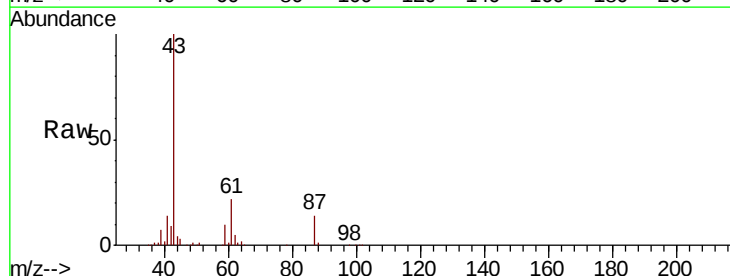
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

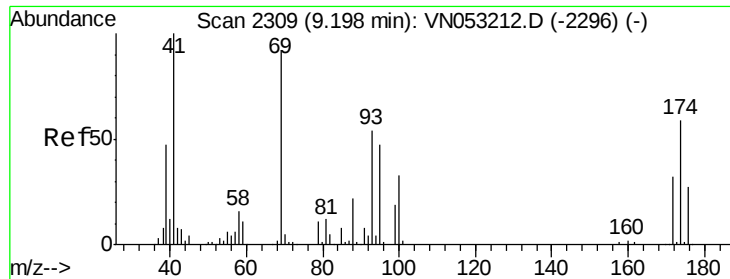
Tgt Ion: 43 Resp: 164841
Ion Ratio Lower Upper
43 100
45 14.6 1.0 1.6#



#44
Isopropyl Acetate
Concen: 20.891 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 43 Resp: 313985
Ion Ratio Lower Upper
43 100
61 29.9 16.0 24.0#

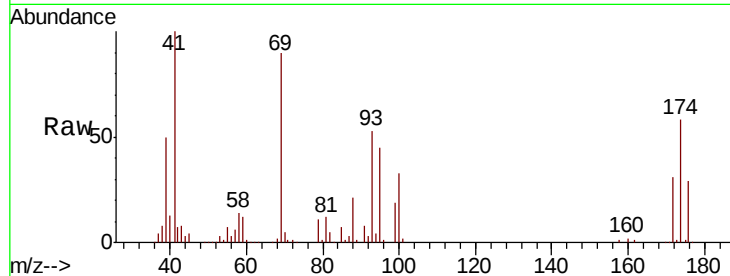




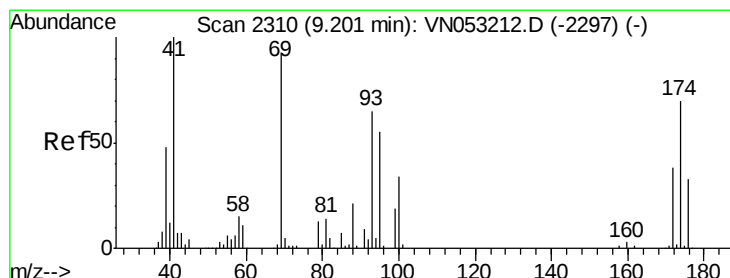
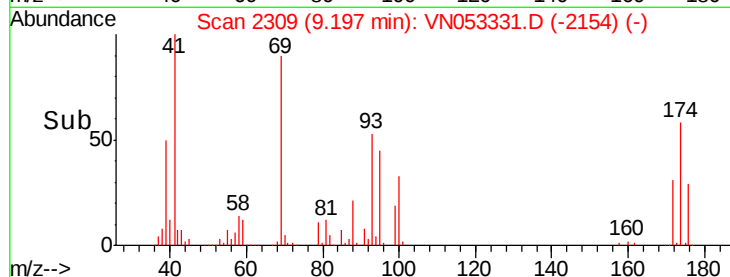
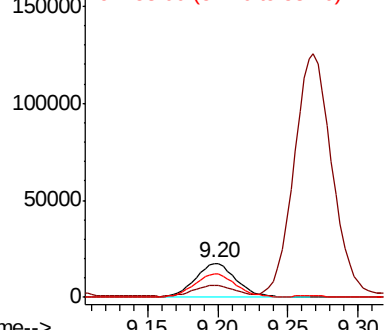
#45
 1,4-Dioxane
 Concen: 385.149 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 88 Resp: 35398
 Ion Ratio Lower Upper
 88 100
 43 32.8 29.5 44.3
 58 70.6 61.5 92.3

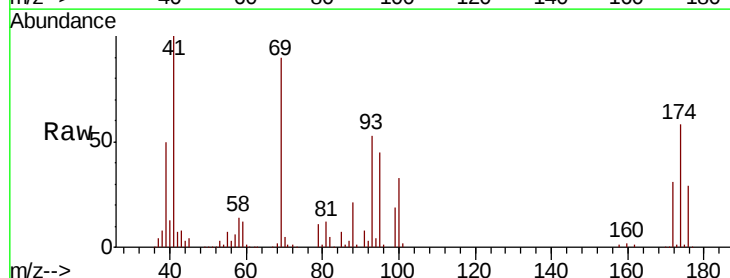


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

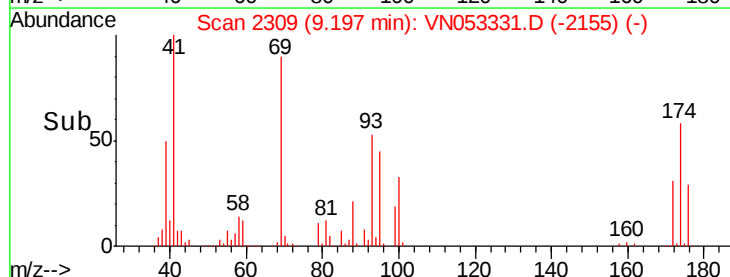
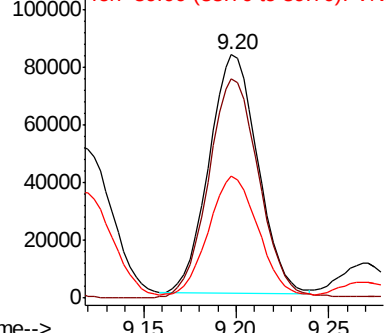


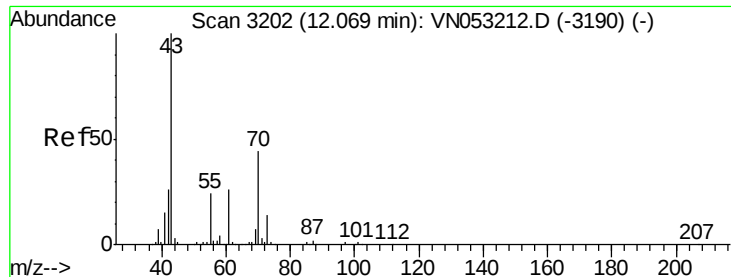
#46
 Methyl methacrylate
 Concen: 19.895 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 41 Resp: 151063
 Ion Ratio Lower Upper
 41 100
 69 91.8 42.5 127.6
 39 49.7 26.3 78.9



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

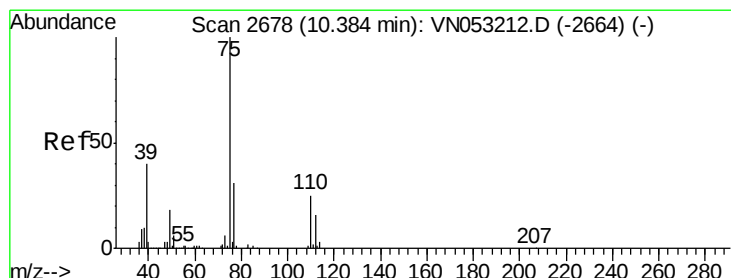
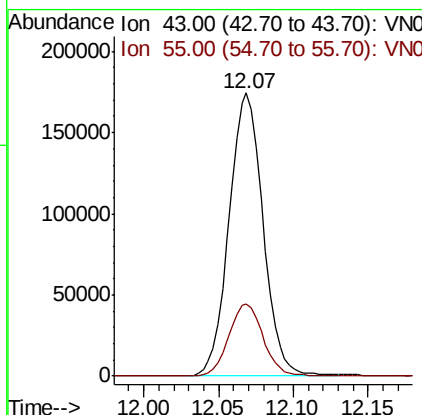
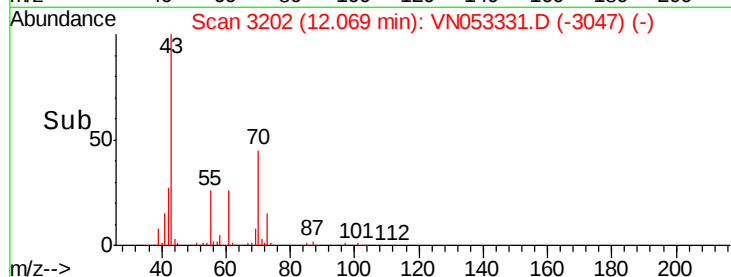
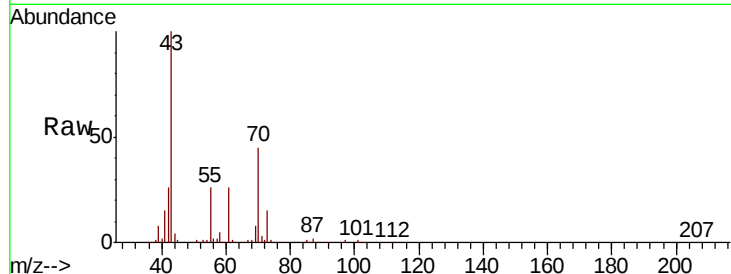




#47
n-amyl Acetate
Concen: 20.737 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

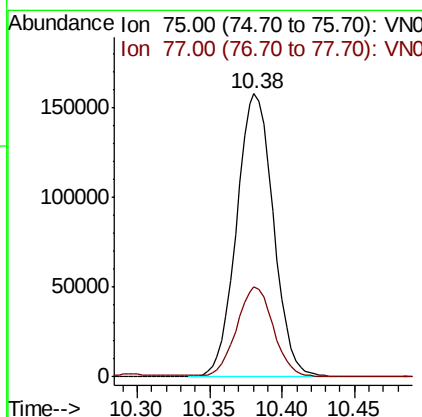
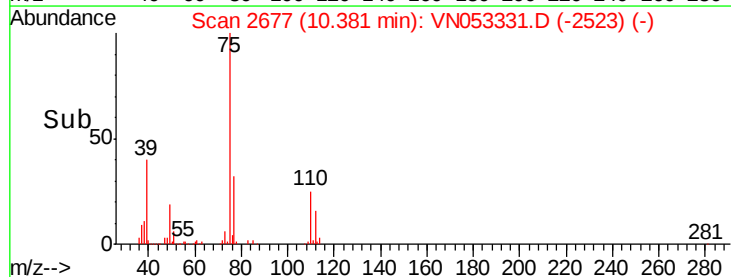
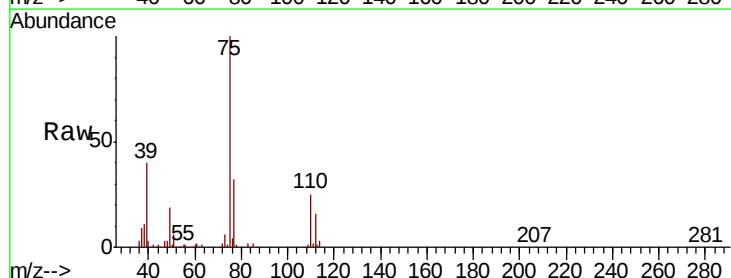
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

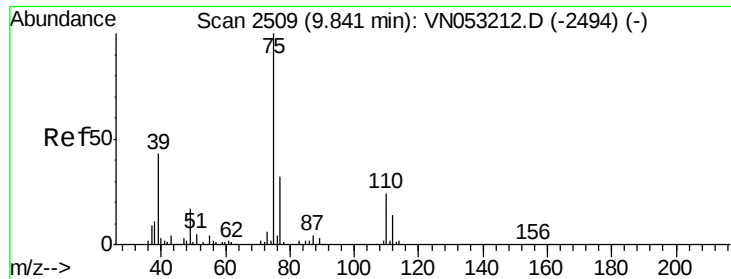
Tgt Ion: 43 Resp: 273705
Ion Ratio Lower Upper
43 100
55 26.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.738 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 75 Resp: 278059
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4



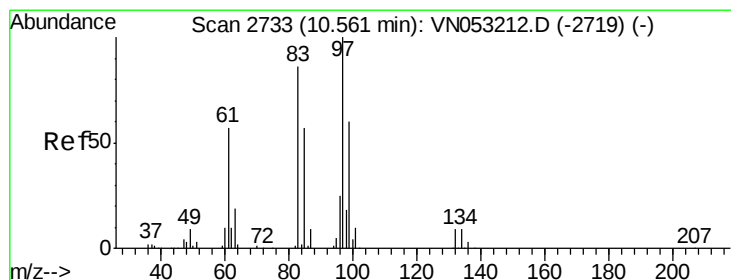
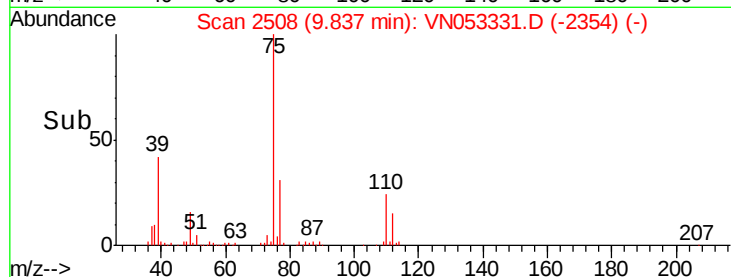
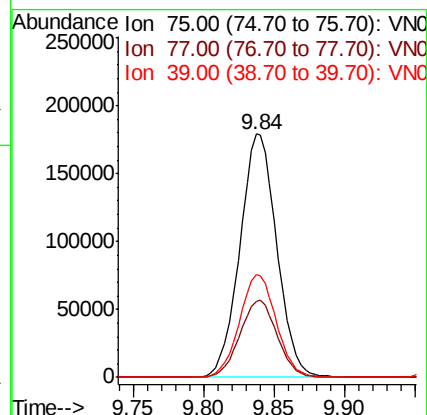
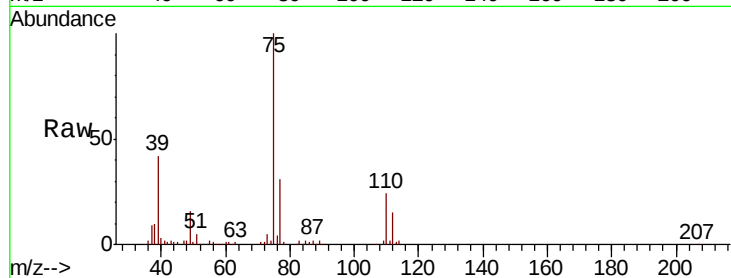


#49

cis-1,3-Dichloropropene
 Concen: 19.834 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

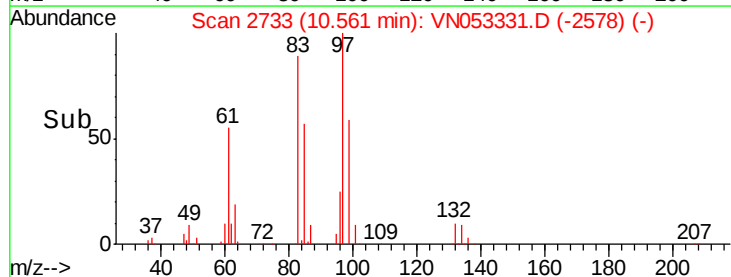
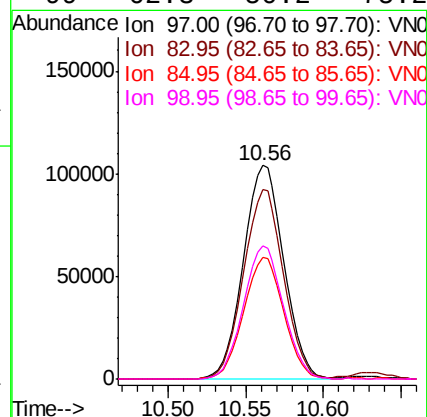
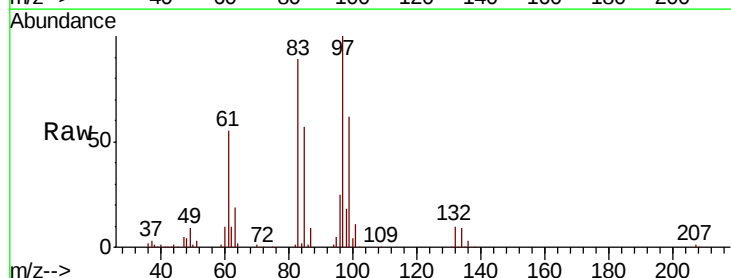
Tgt Ion: 75 Resp: 329001
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 42.0 37.3 55.9

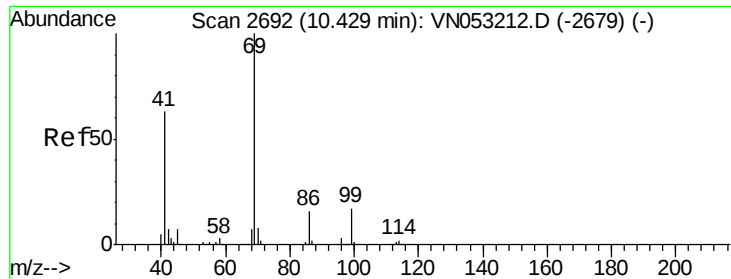


#50

1,1,2-Trichloroethane
 Concen: 20.556 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 97 Resp: 189423
 Ion Ratio Lower Upper
 97 100
 83 88.7 70.4 105.6
 85 57.0 45.0 67.6
 99 62.3 50.2 75.2





#51

Ethyl methacrylate

Concen: 20.538 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

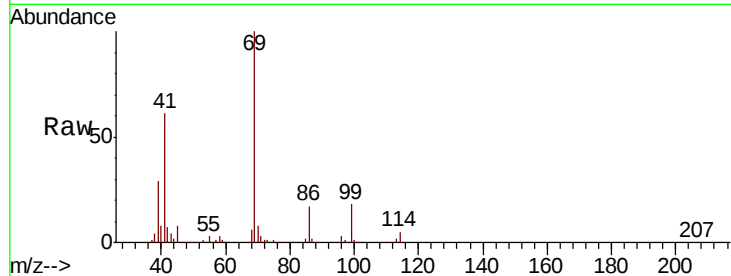
Tgt Ion: 69 Resp: 246660

Ion Ratio Lower Upper

69 100

41 60.7 34.4 103.3

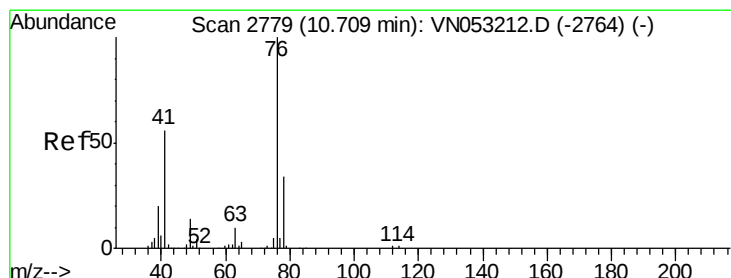
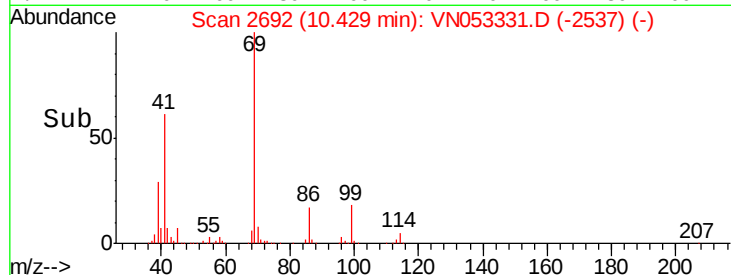
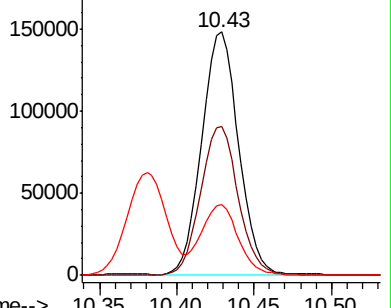
39 28.8 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN053331.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN053331.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN053331.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.414 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053331.D

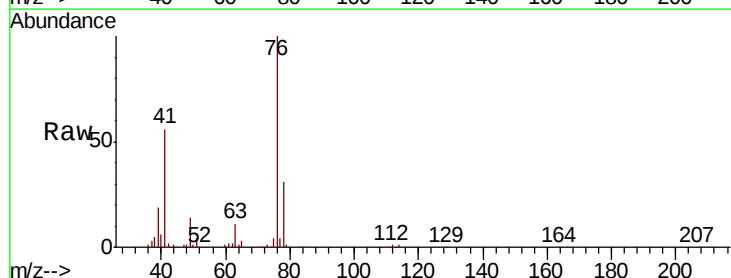
Acq: 10 Jan 2019 9:03

Tgt Ion: 76 Resp: 324066

Ion Ratio Lower Upper

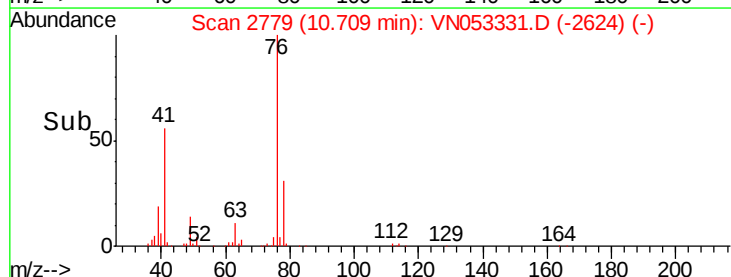
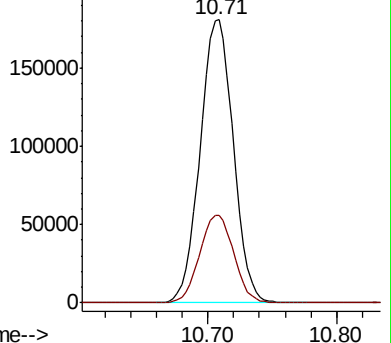
76 100

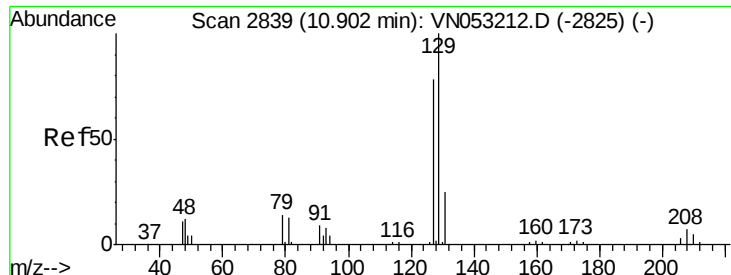
78 31.8 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN053331.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN053331.D (-2624) (-)





#53

Dibromochloromethane

Concen: 20.302 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

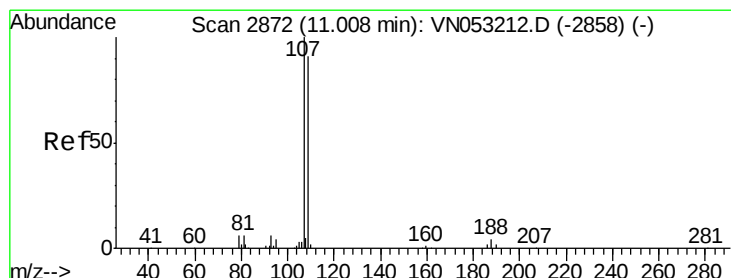
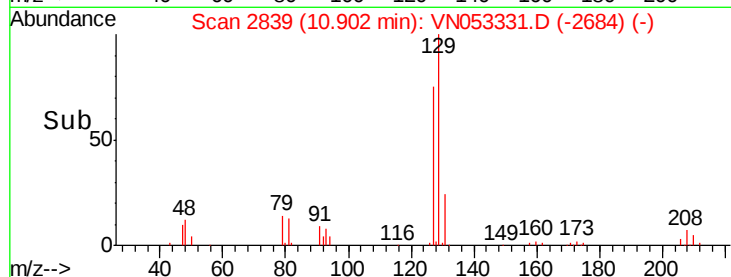
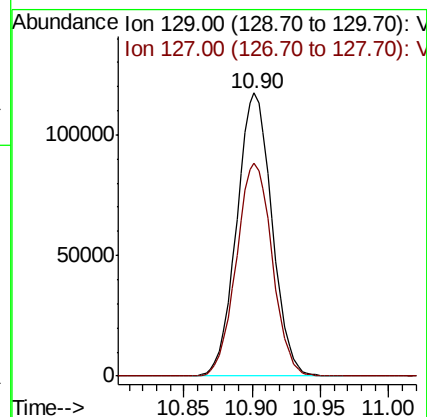
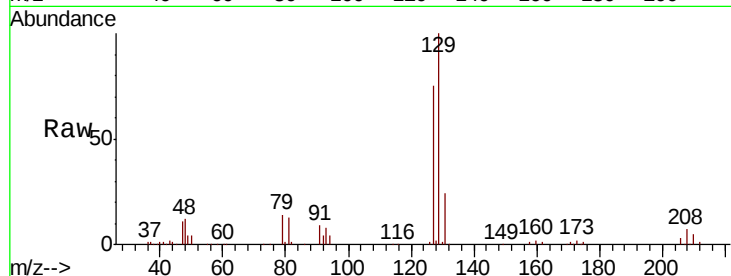
VSTDCCC020

Tgt Ion:129 Resp: 210118

Ion Ratio Lower Upper

129 100

127 76.5 37.6 112.8



#54

1,2-Dibromoethane

Concen: 20.294 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053331.D

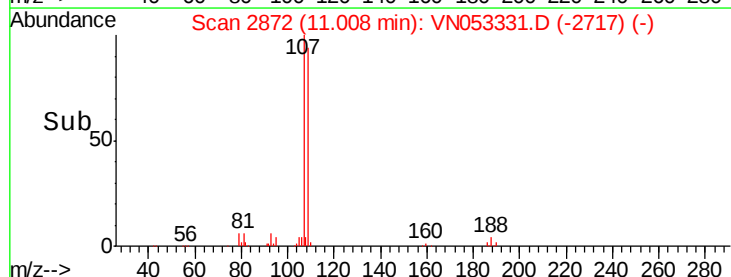
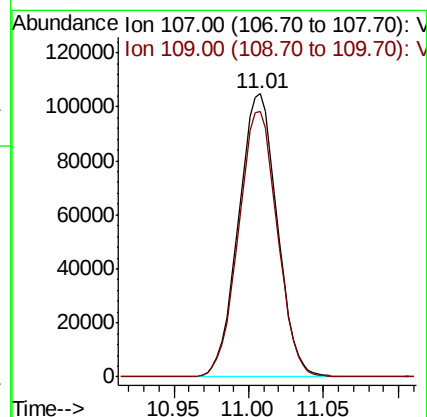
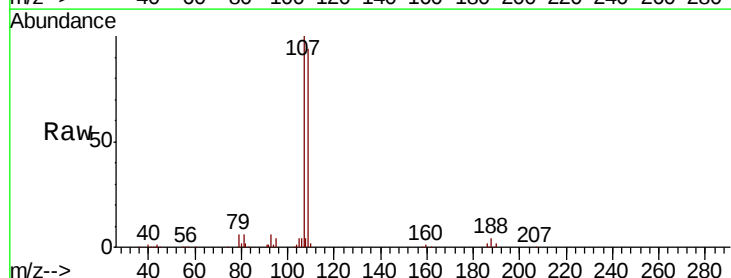
Acq: 10 Jan 2019 9:03

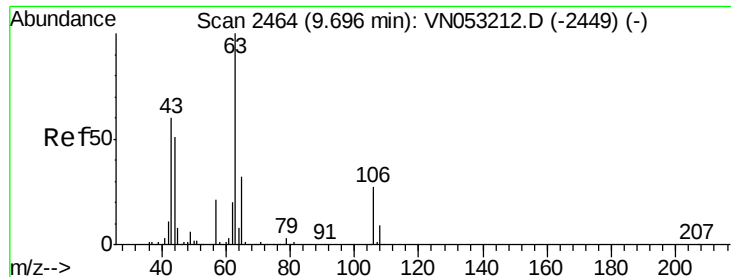
Tgt Ion:107 Resp: 188655

Ion Ratio Lower Upper

107 100

109 94.2 77.1 115.7

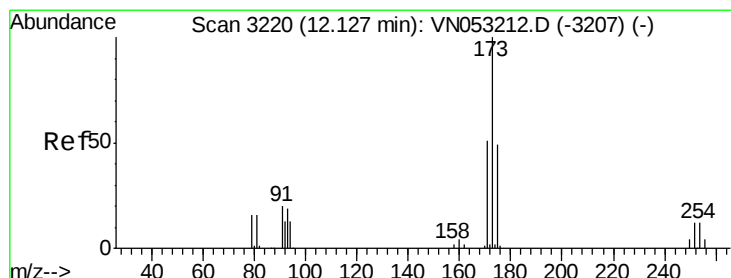
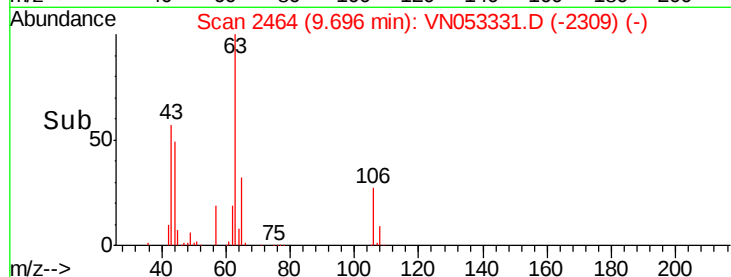
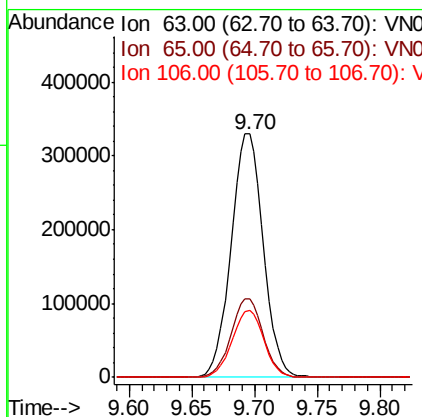
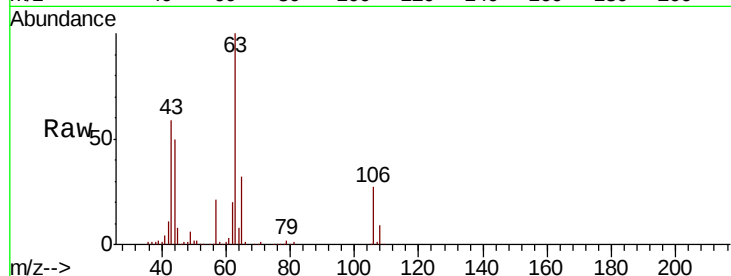




#55
 2-Chloroethyl vinyl ether
 Concen: 85.080 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

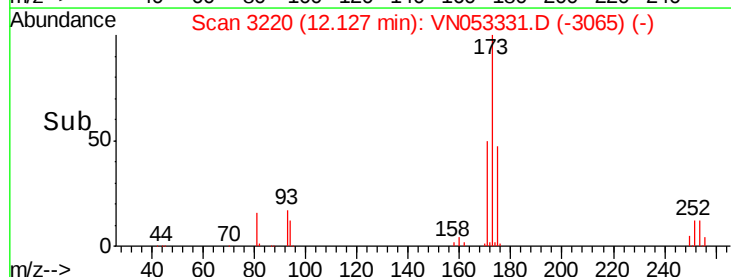
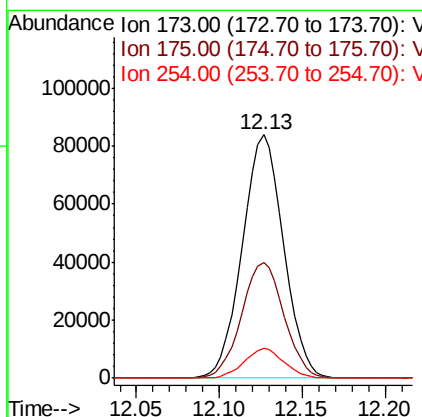
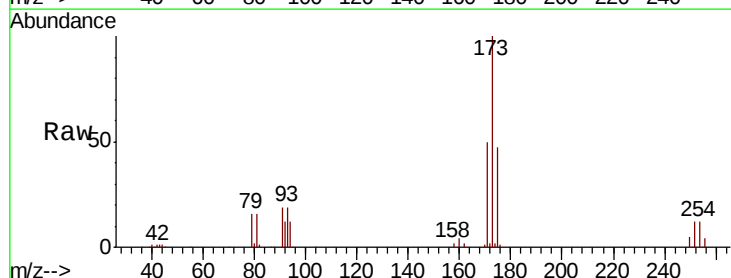
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

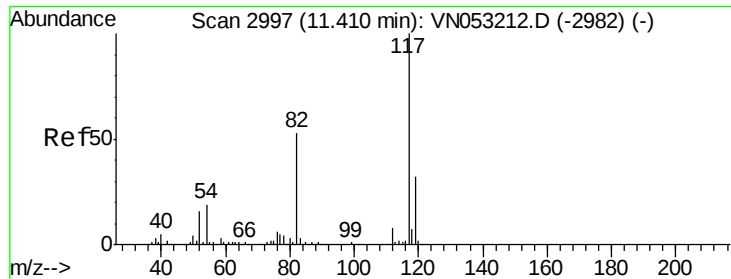
Tgt Ion: 63 Resp: 586411
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.2
 106 27.2 20.4 30.6



#56
 Bromoform
 Concen: 20.545 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion: 173 Resp: 145459
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.7 58.1
 254 11.8 8.4 12.6

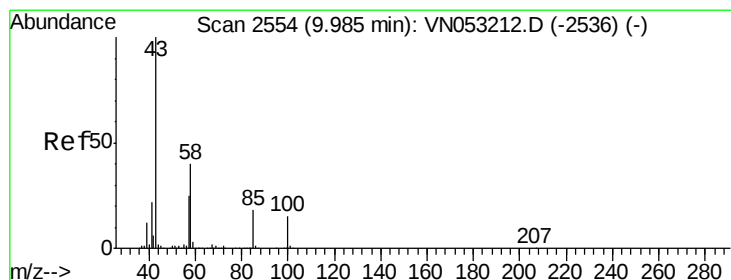
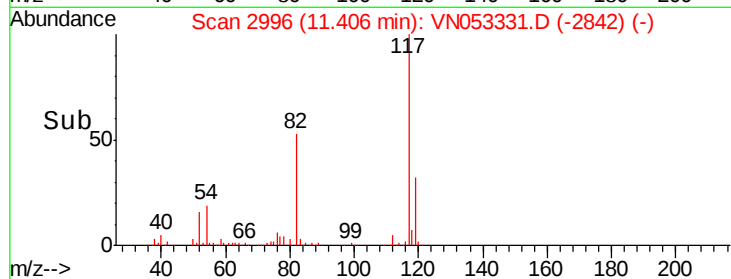
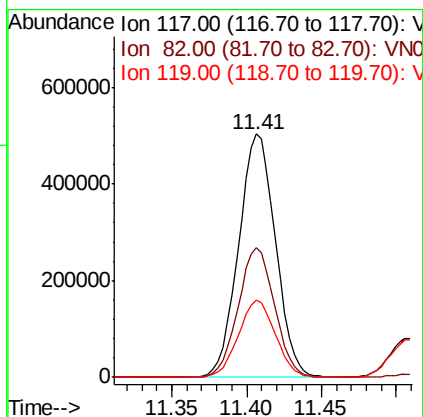
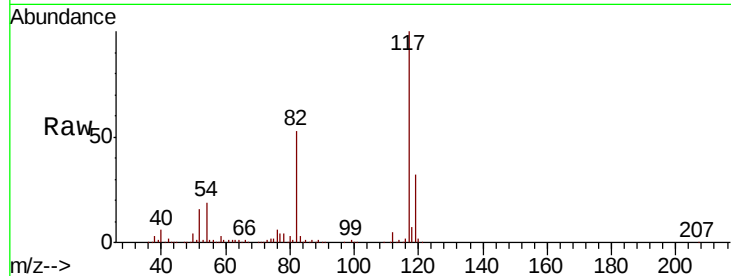




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

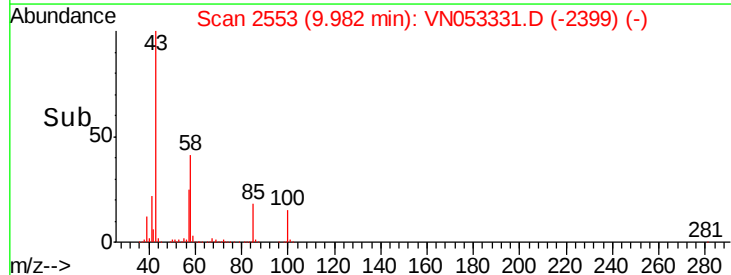
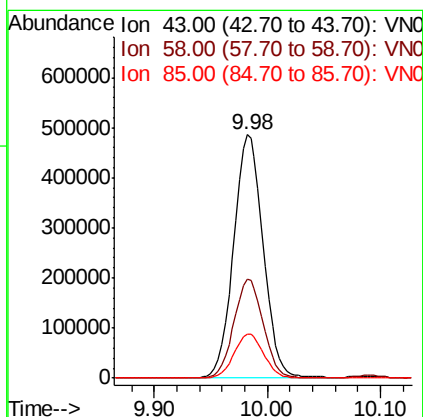
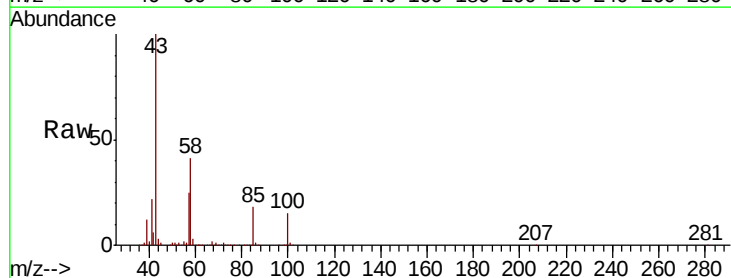
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

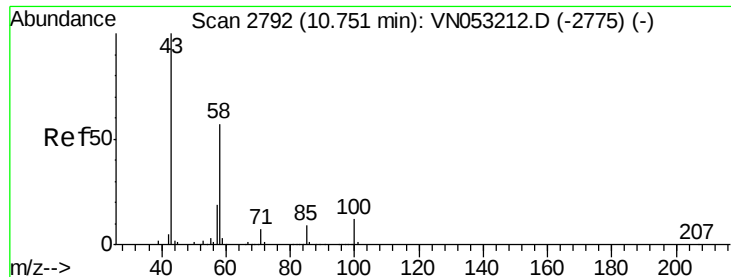
Tgt Ion: 117 Resp: 863164
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 107.034 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 43 Resp: 880365
Ion Ratio Lower Upper
43 100
58 40.6 31.6 47.4
85 18.4 13.3 19.9

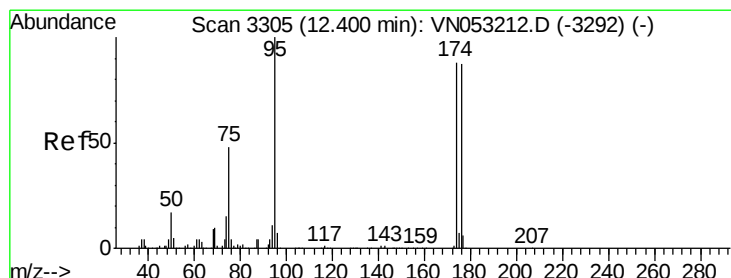
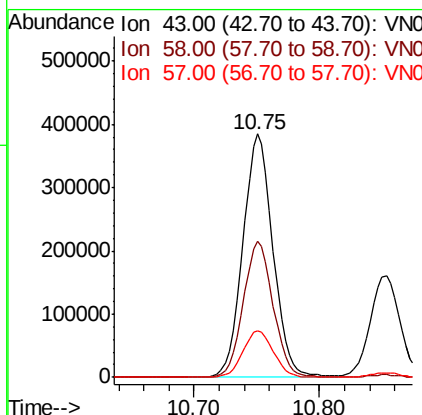
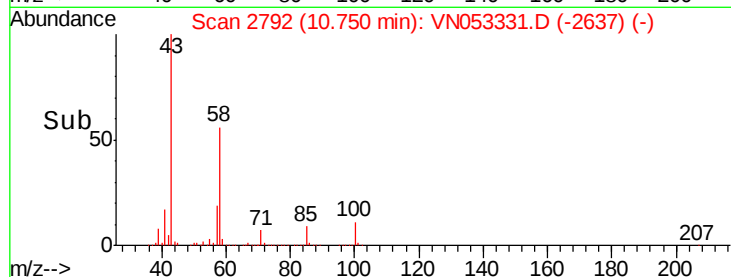
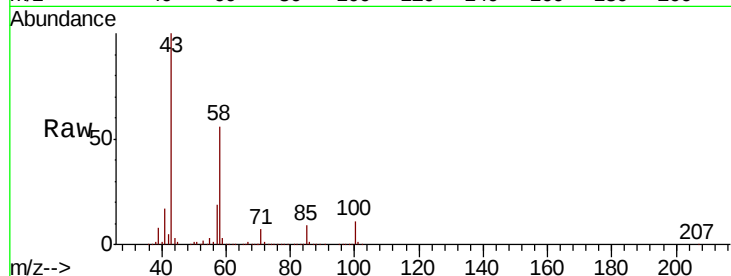




#59
2-Hexanone
Concen: 112.770 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

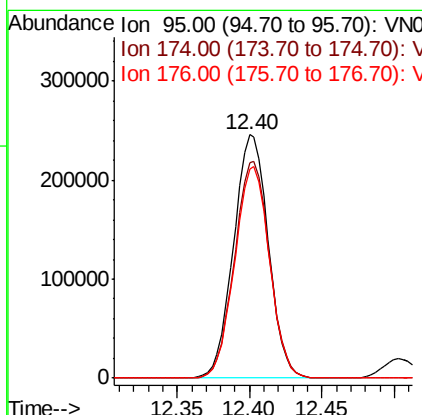
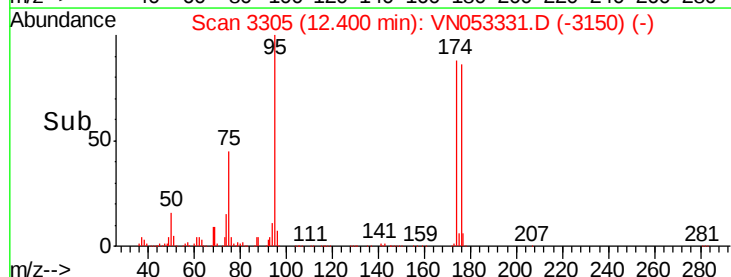
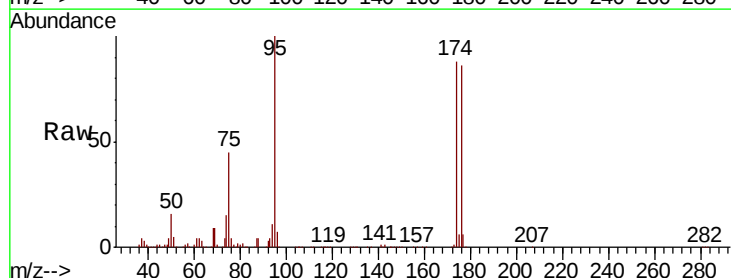
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

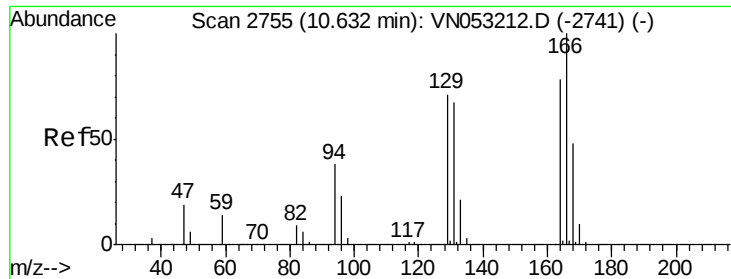
Tgt Ion: 43 Resp: 640341
Ion Ratio Lower Upper
43 100
58 55.6 43.2 64.8
57 19.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 112.770 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 95 Resp: 409360
Ion Ratio Lower Upper
95 100
174 89.8 67.9 101.9
176 87.2 66.4 99.6





#61

Tetrachloroethene

Concen: 20.710 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 264167

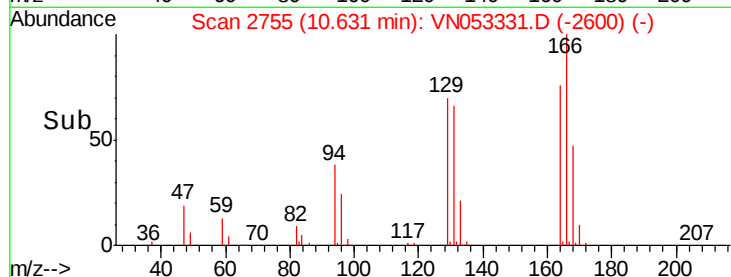
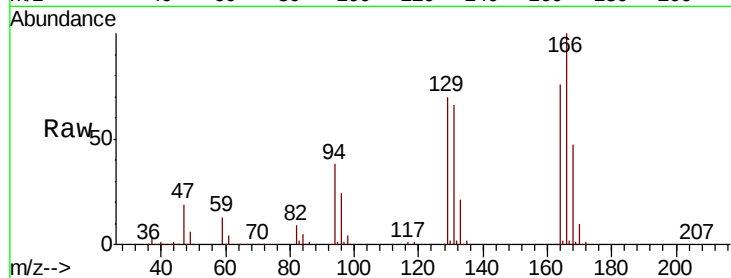
Ion Ratio Lower Upper

164 100

166 131.9 104.6 157.0

129 91.8 75.3 112.9

131 86.9 74.3 111.5

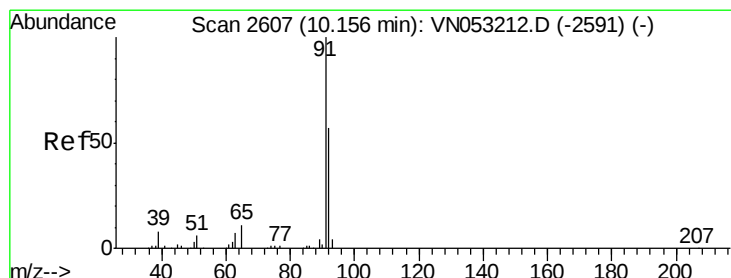
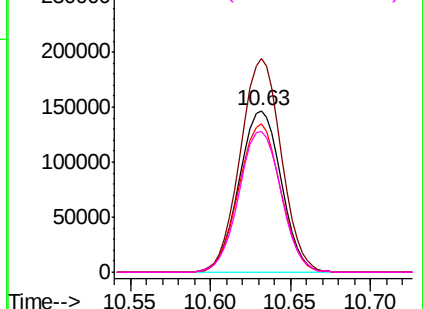


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.756 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053331.D

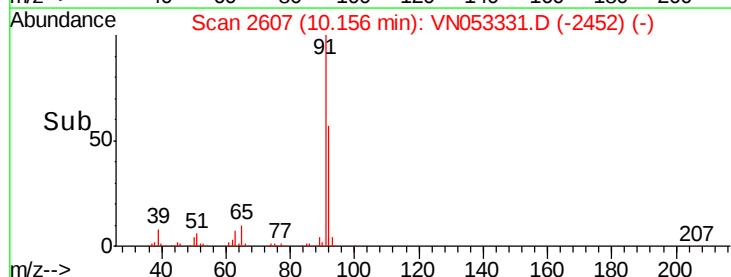
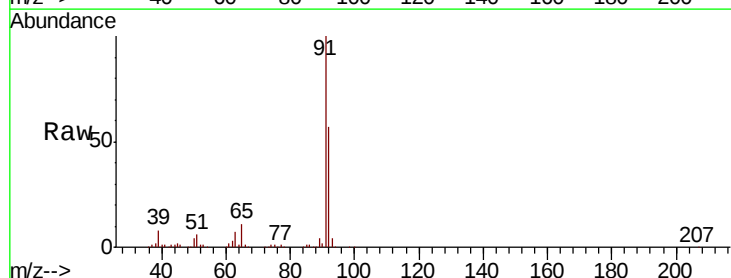
Acq: 10 Jan 2019 9:03

Tgt Ion: 91 Resp: 935212

Ion Ratio Lower Upper

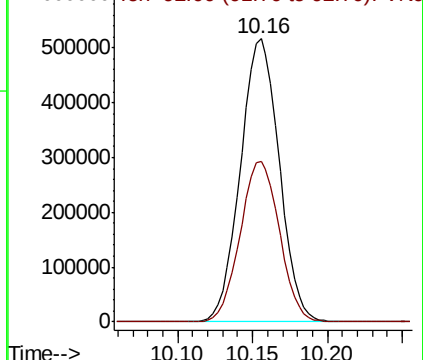
91 100

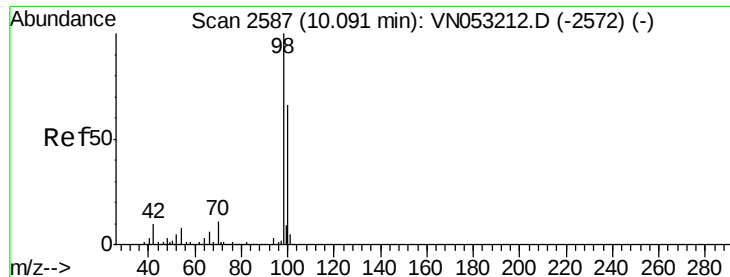
92 57.4 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 19.756 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

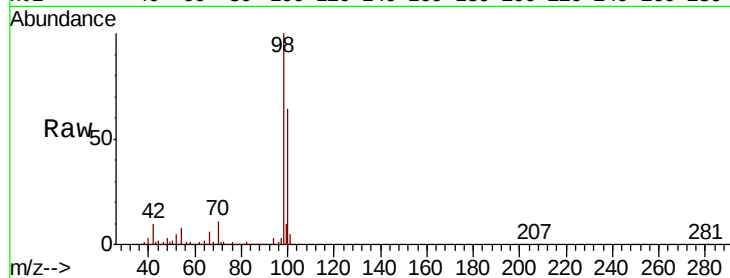
VSTDCCC020

Tgt Ion: 98 Resp: 1154231

Ion Ratio Lower Upper

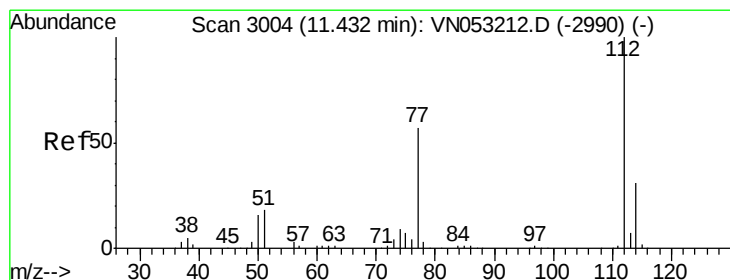
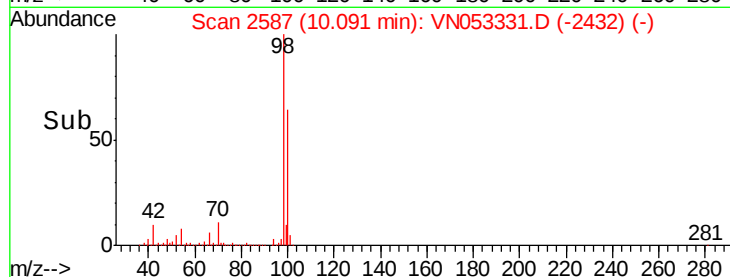
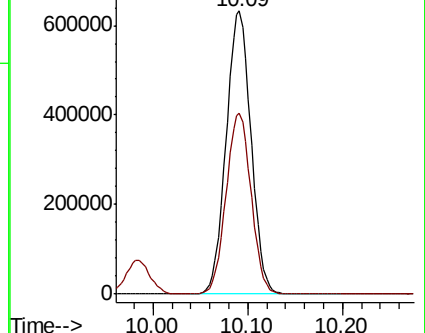
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN053331.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN053331.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.023 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053331.D

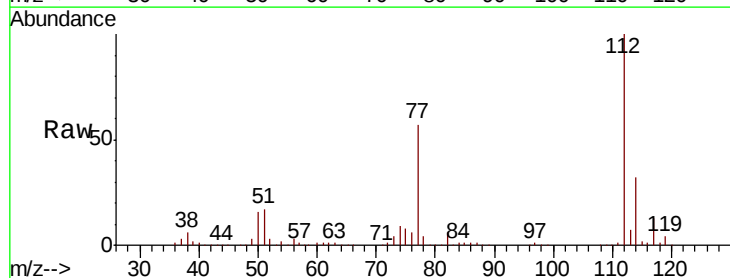
Acq: 10 Jan 2019 9:03

Tgt Ion: 112 Resp: 594797

Ion Ratio Lower Upper

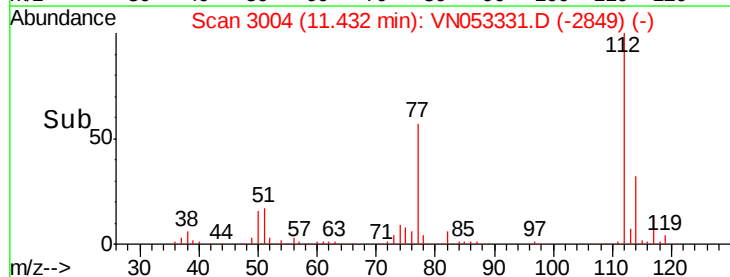
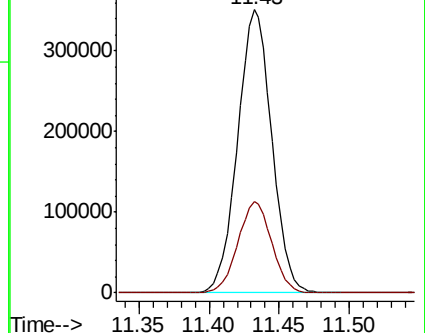
112 100

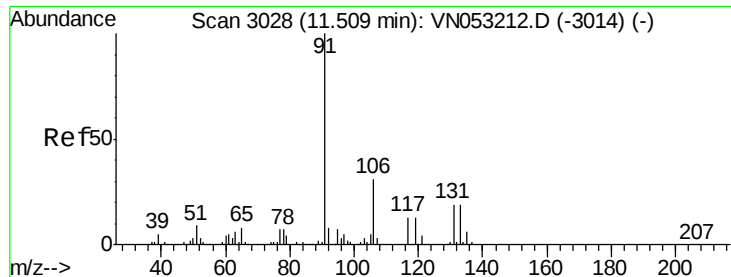
114 32.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN053331.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN053331.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.847 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

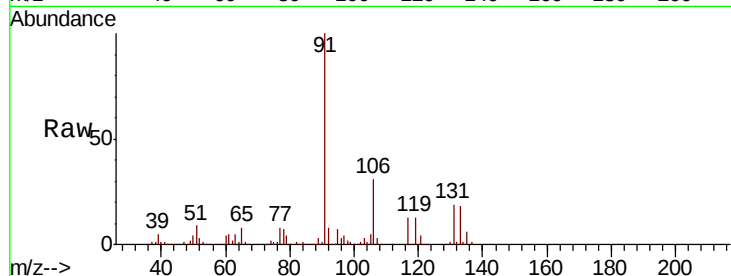
Tgt Ion:131 Resp: 206816

Ion Ratio Lower Upper

131 100

133 94.2 0.0 193.4

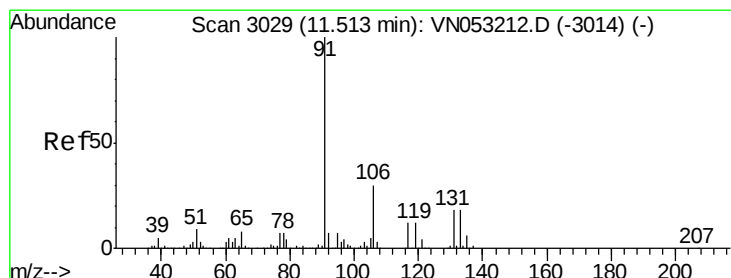
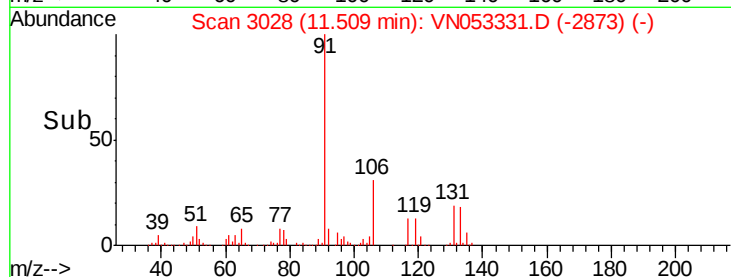
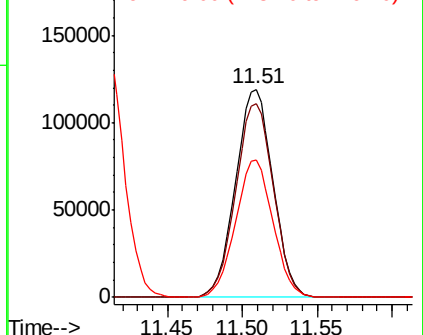
119 66.0 0.0 133.0



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: 20.004 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053331.D

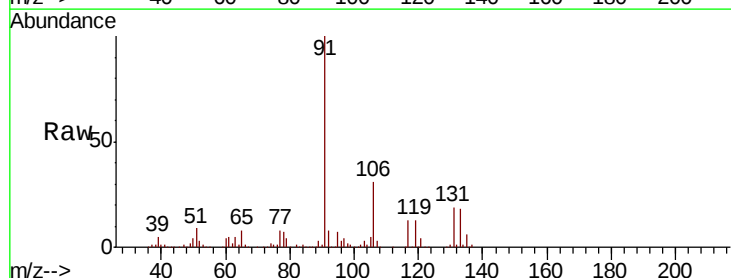
Acq: 10 Jan 2019 9:03

Tgt Ion: 91 Resp: 1026927

Ion Ratio Lower Upper

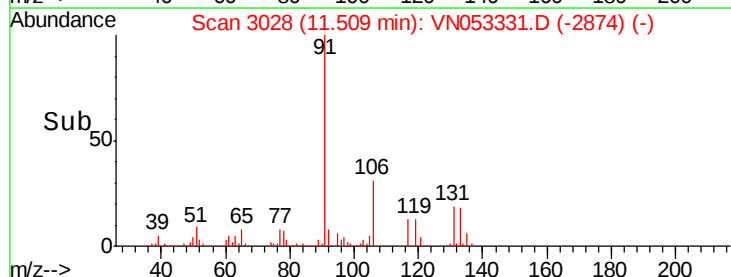
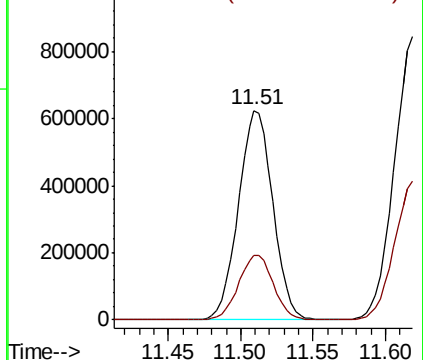
91 100

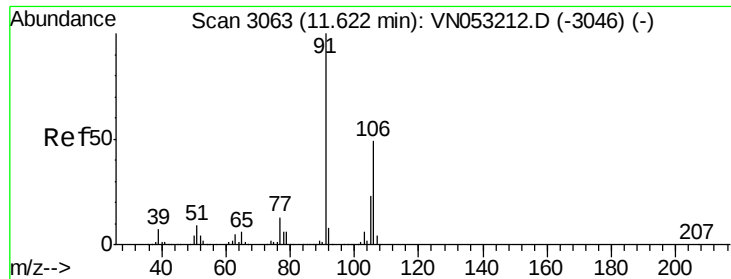
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

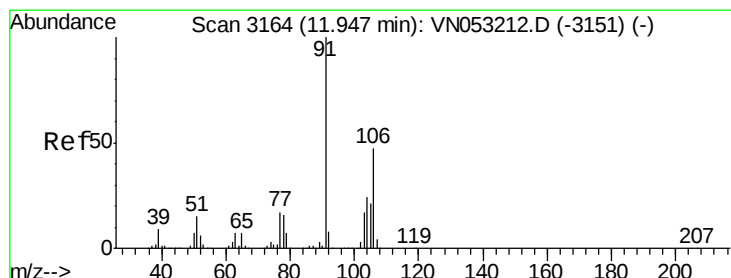
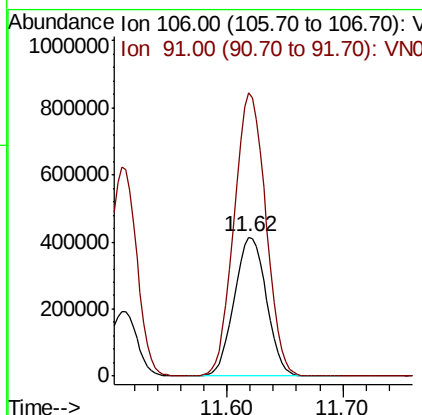
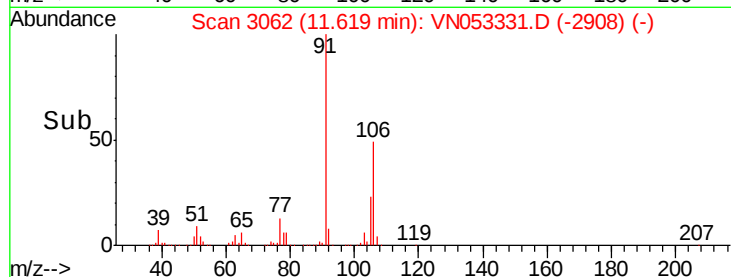
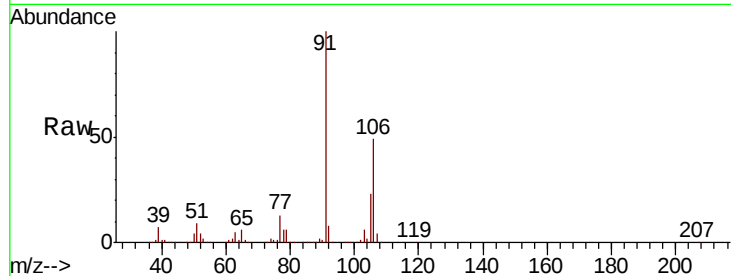




#67
m/p-Xylenes
Concen: 40.927 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

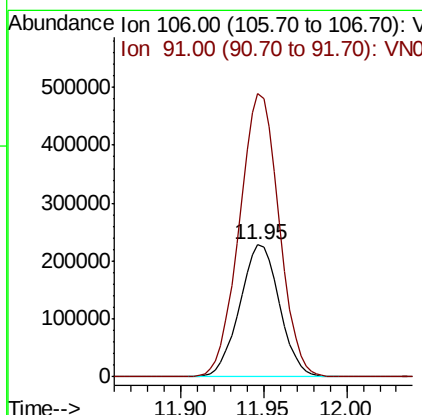
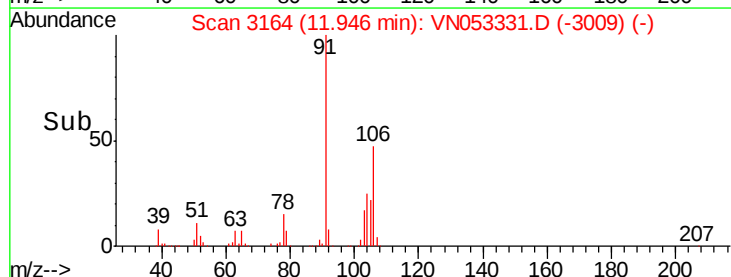
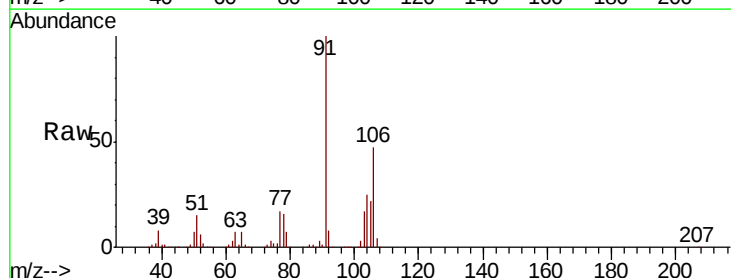
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

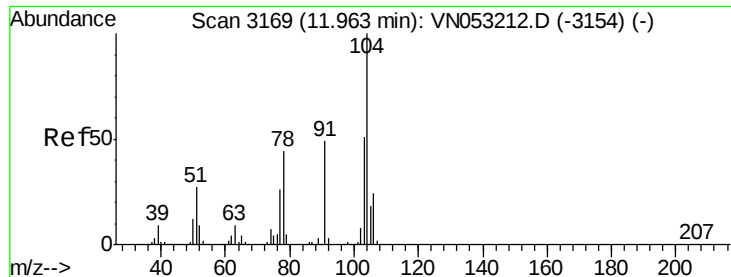
Tgt Ion:106 Resp: 794608
Ion Ratio Lower Upper
106 100
91 201.2 163.9 245.9



#68
o-Xylene
Concen: 20.160 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion:106 Resp: 379288
Ion Ratio Lower Upper
106 100
91 214.5 107.8 323.4

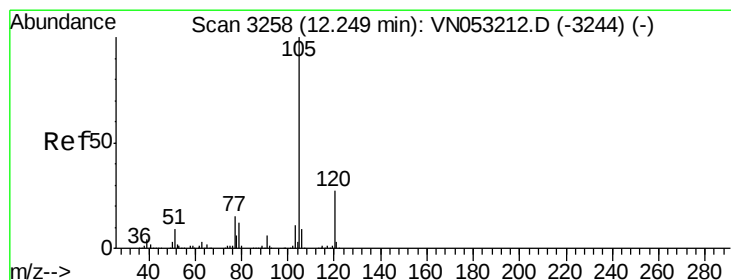
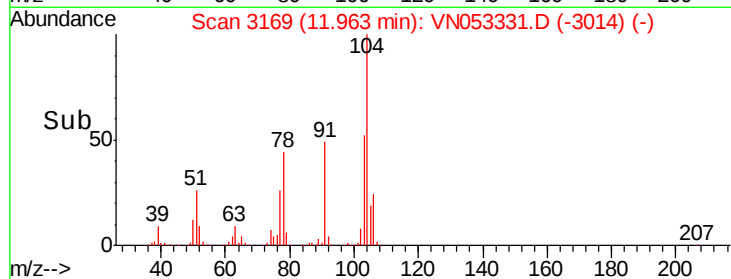
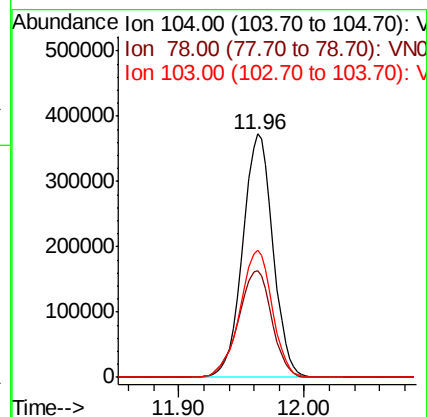
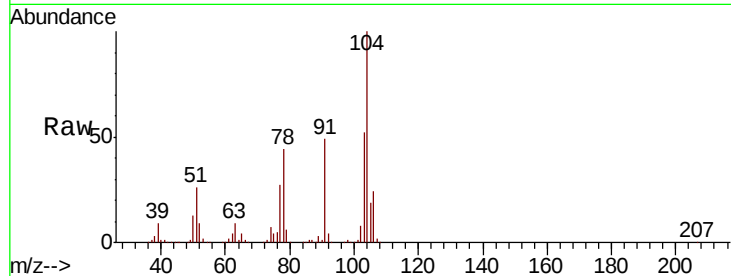




#69
Styrene
Concen: 20.302 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

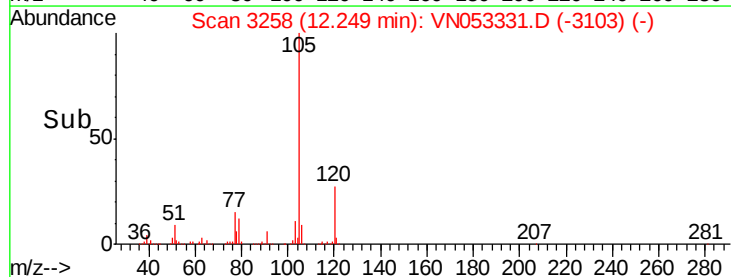
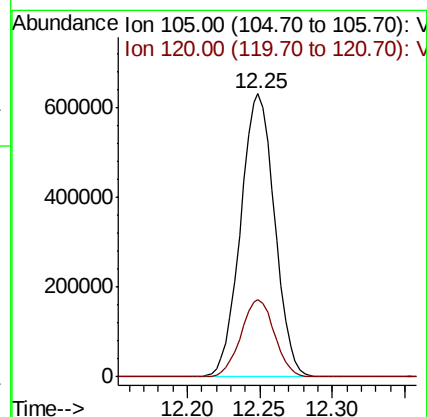
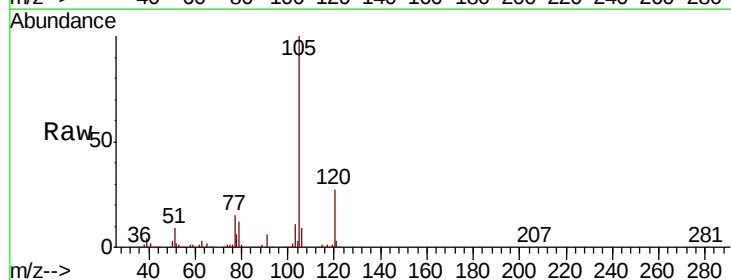
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

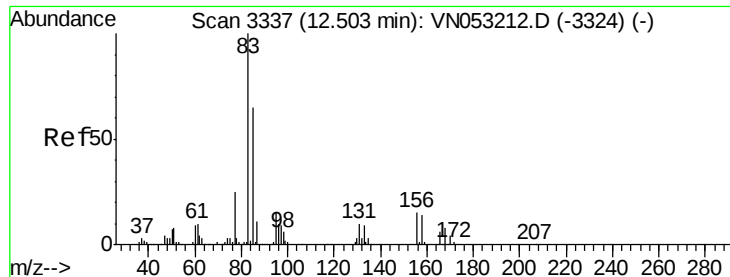
Tgt Ion:104 Resp: 623486
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 56.1 44.6 66.8



#70
Isopropylbenzene
Concen: 20.738 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion:105 Resp: 1026532
Ion Ratio Lower Upper
105 100
120 27.0 18.6 34.6

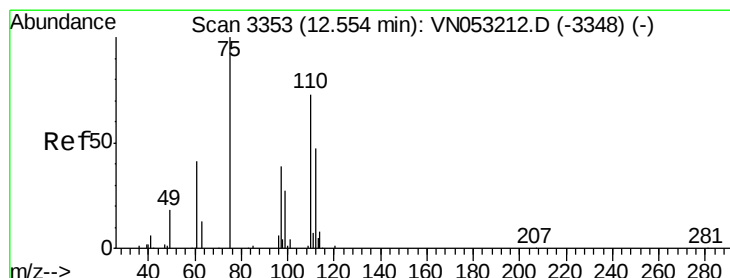
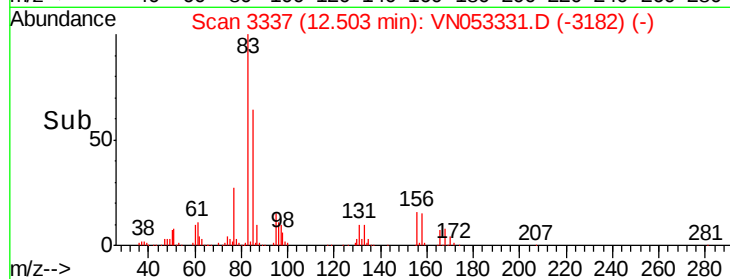
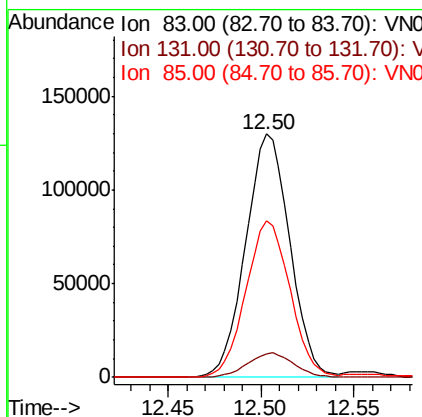
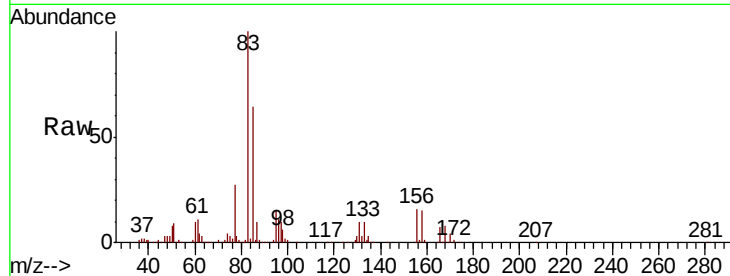




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.587 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

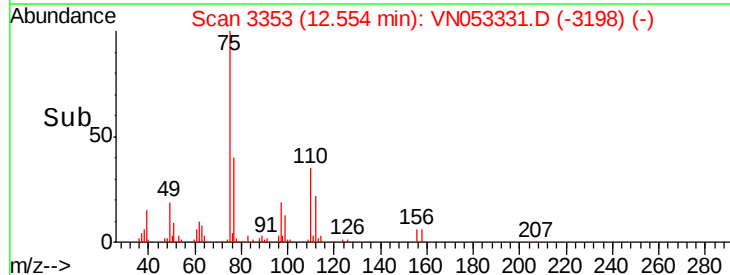
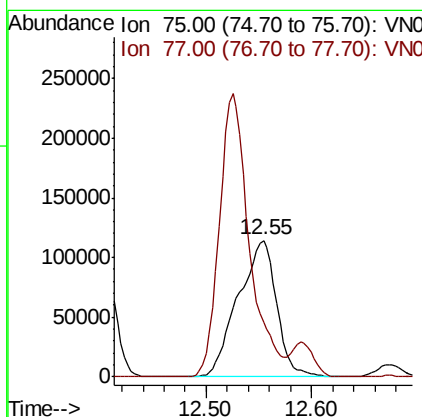
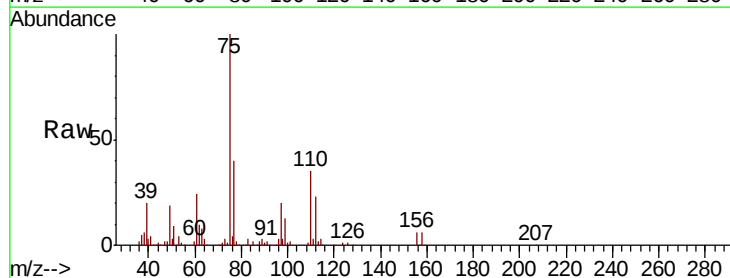
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

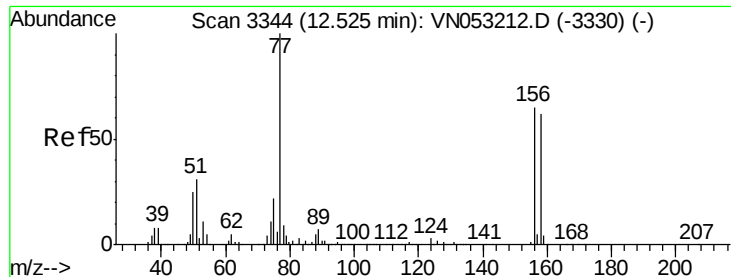
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	64.4	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.887 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	160.6	0.0	514.8





#73

Bromobenzene

Concen: 20.947 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

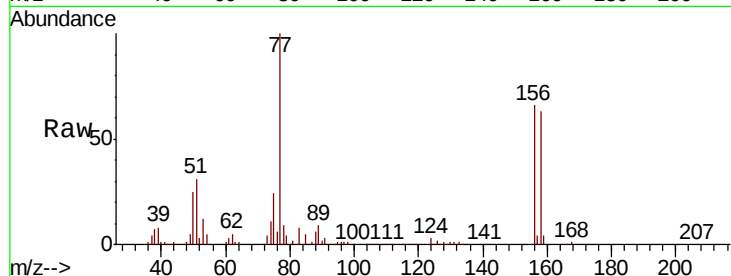
Tgt Ion:156 Resp: 266535

Ion Ratio Lower Upper

156 100

77 175.4 0.0 382.6

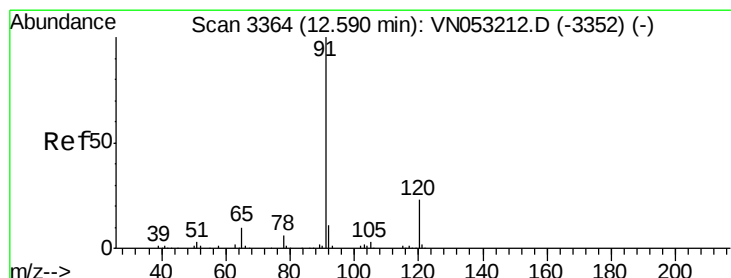
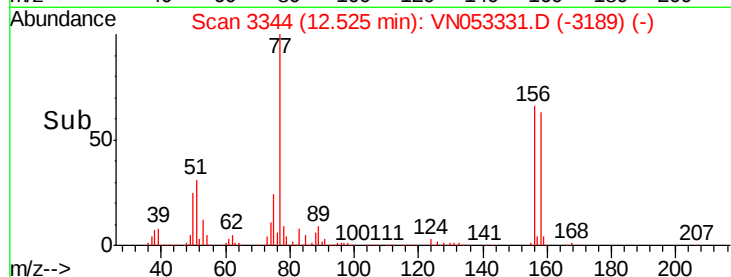
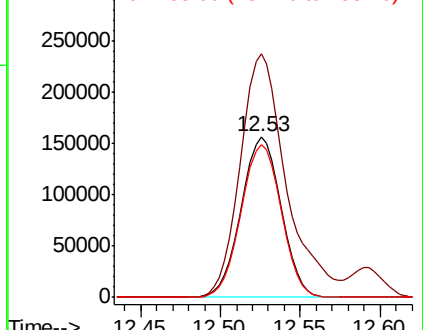
158 95.7 0.0 196.8



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: 21.236 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053331.D

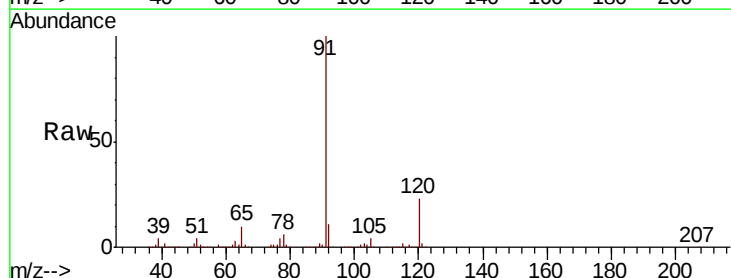
Acq: 10 Jan 2019 9:03

Tgt Ion: 91 Resp: 1189989

Ion Ratio Lower Upper

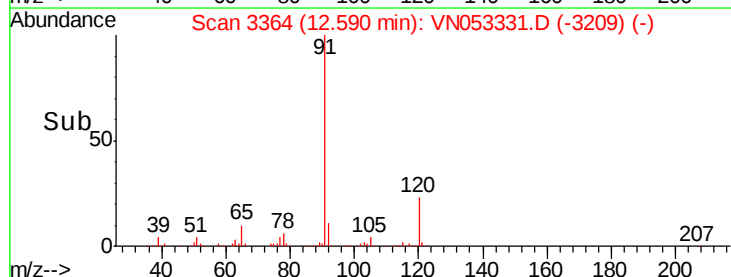
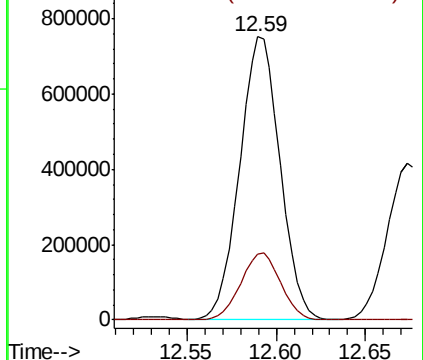
91 100

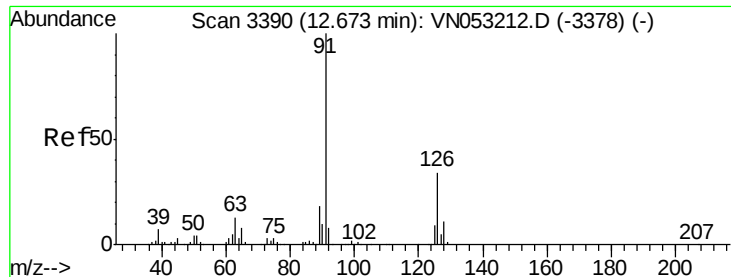
120 23.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.991 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

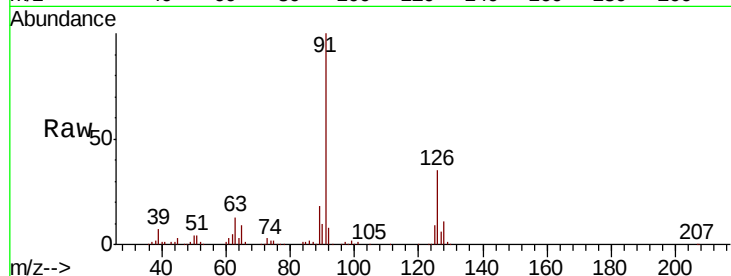
VSTDCCC020

Tgt Ion: 91 Resp: 696591

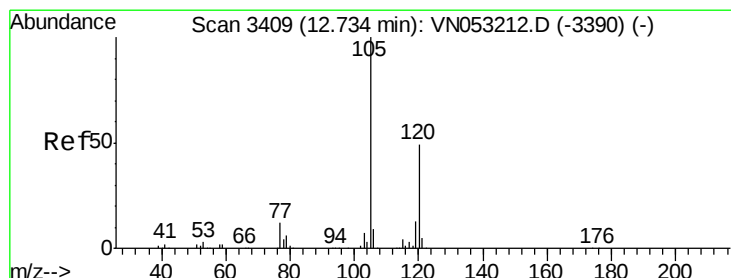
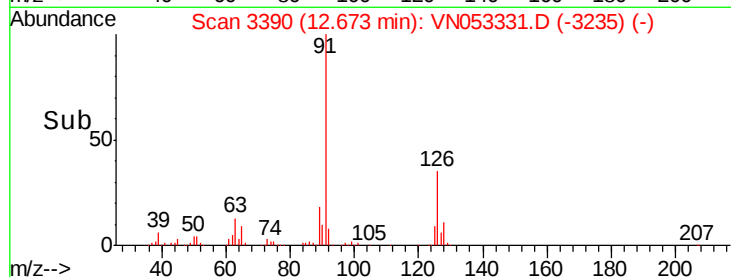
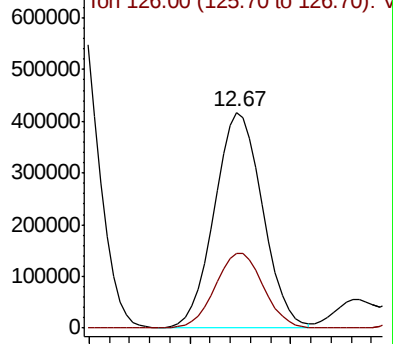
Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN053331.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.529 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053331.D

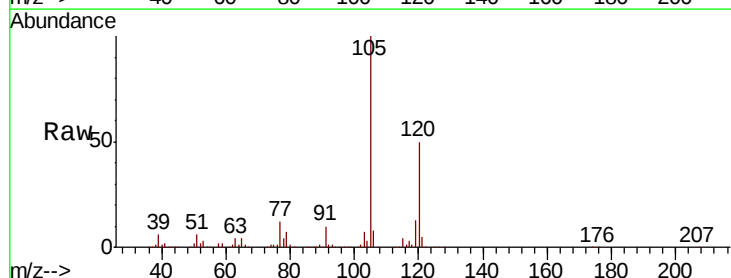
Acq: 10 Jan 2019 9:03

Tgt Ion: 105 Resp: 845388

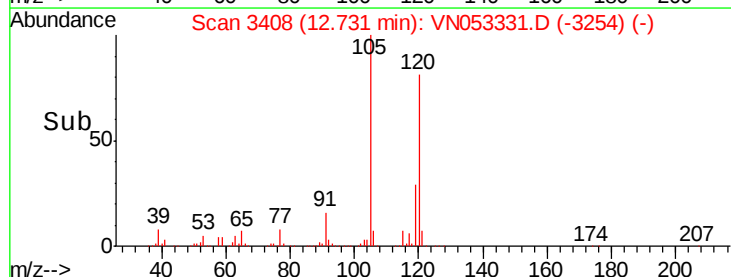
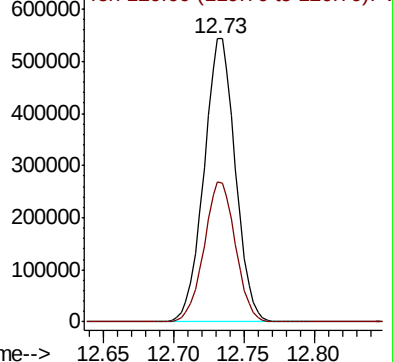
Ion Ratio Lower Upper

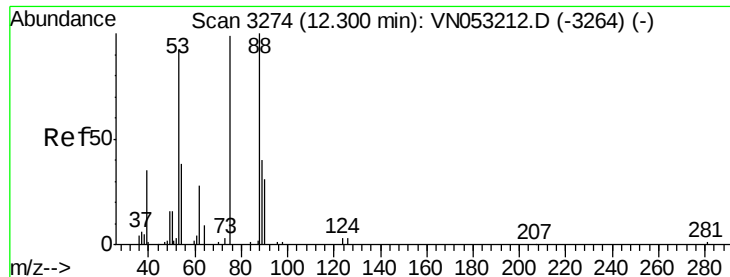
105 100

120 49.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053331.D (-3254) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.178 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

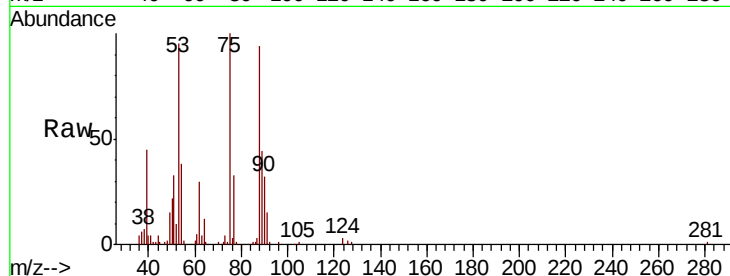
Tgt Ion: 75 Resp: 64697

Ion Ratio Lower Upper

75 100

53 93.8 48.5 145.6

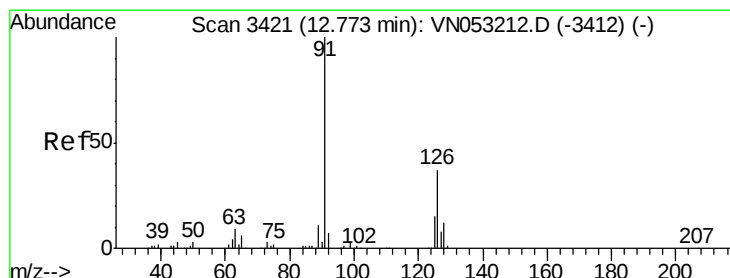
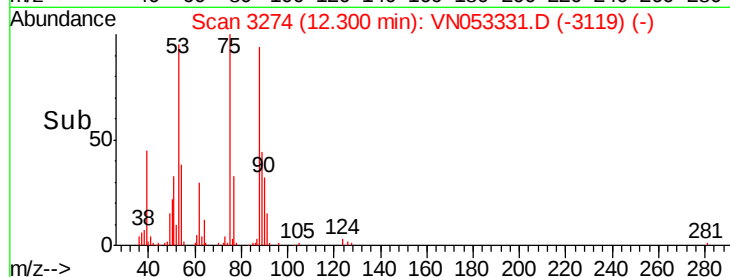
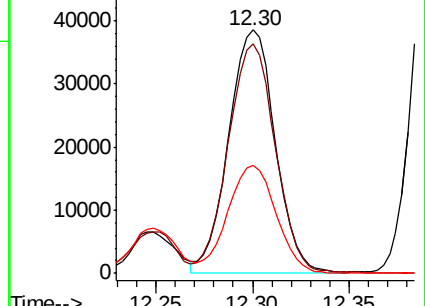
89 44.4 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 21.060 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053331.D

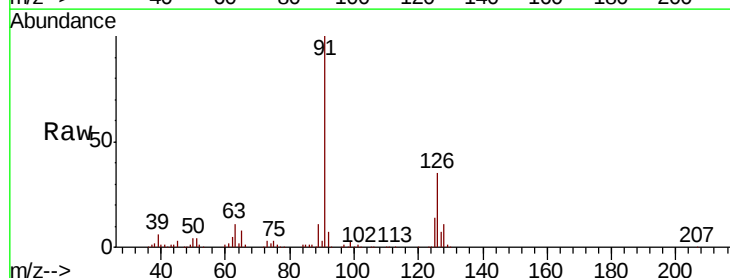
Acq: 10 Jan 2019 9:03

Tgt Ion: 91 Resp: 711427

Ion Ratio Lower Upper

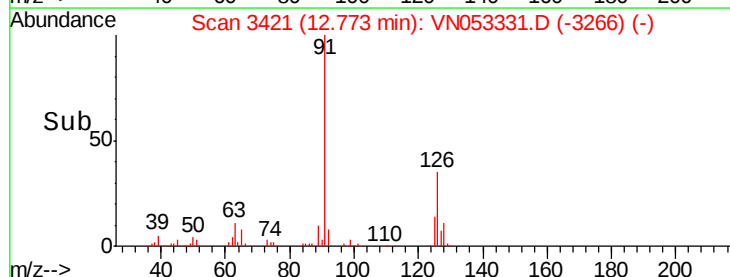
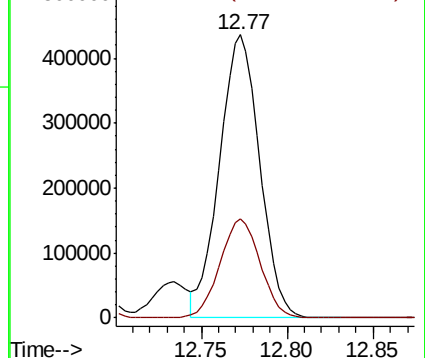
91 100

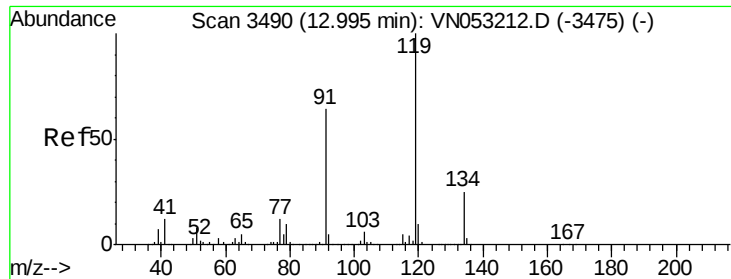
126 34.9 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

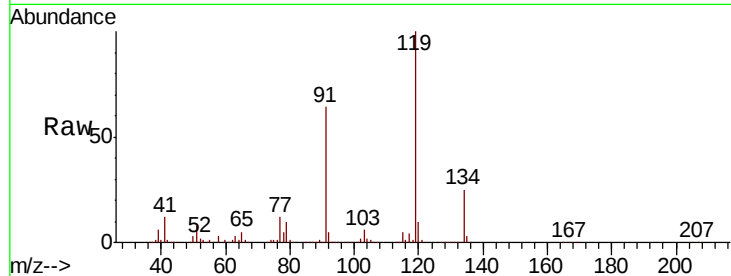




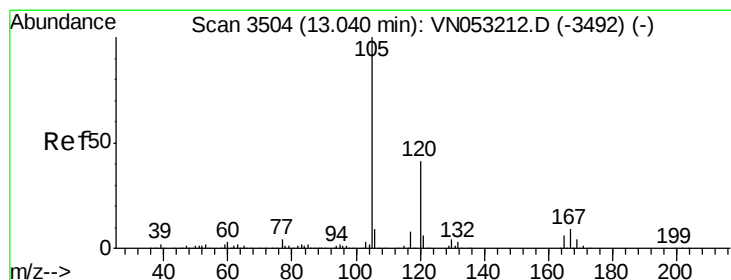
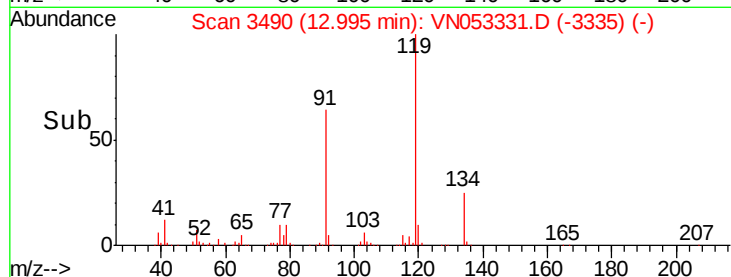
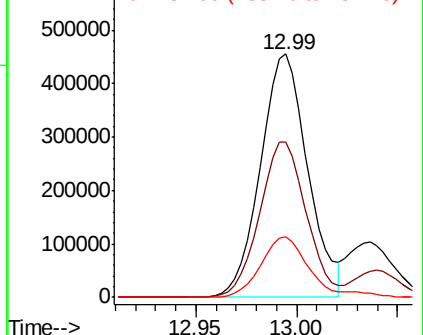
#79
tert-butylbenzene
Concen: 21.681 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 742470
Ion Ratio Lower Upper
119 100
91 62.8 0.0 129.8
134 24.4 0.0 52.2

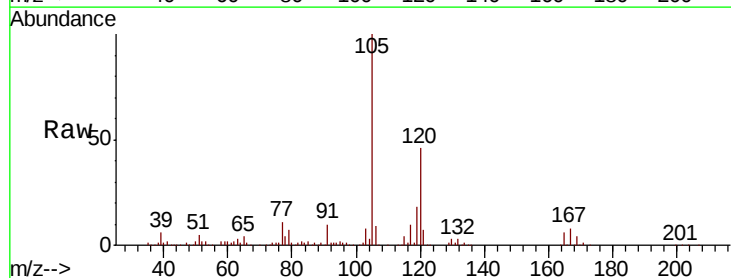


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

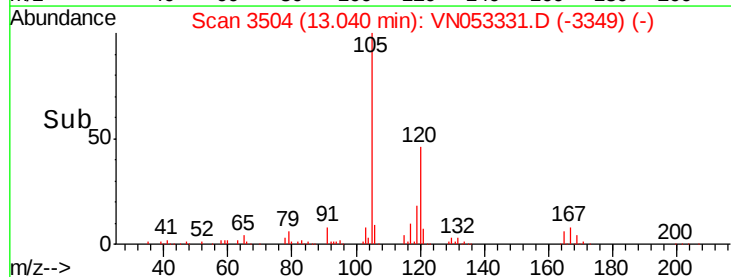
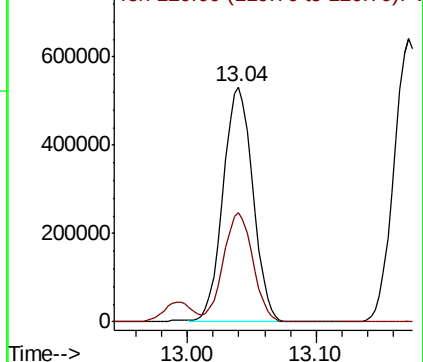


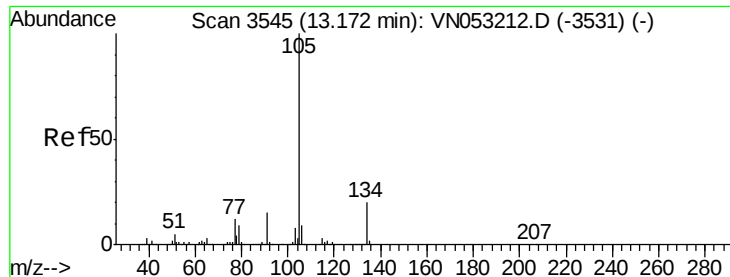
#80
1,2,4-Trimethylbenzene
Concen: 21.664 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion:105 Resp: 852598
Ion Ratio Lower Upper
105 100
120 46.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

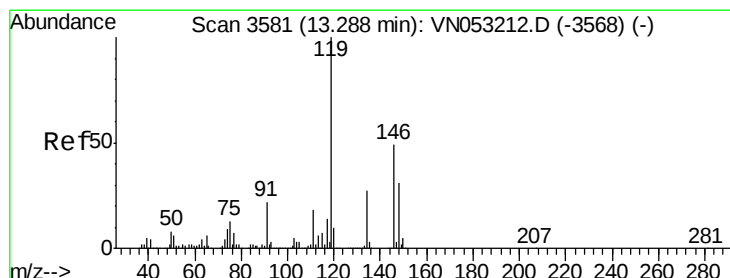
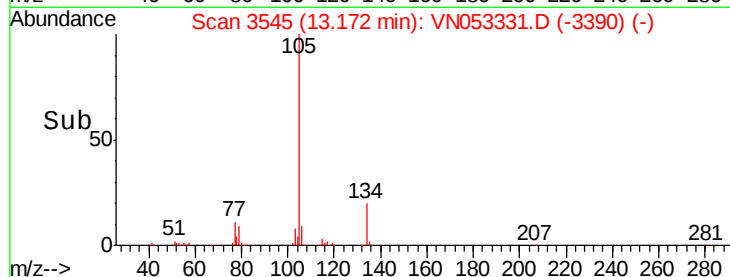
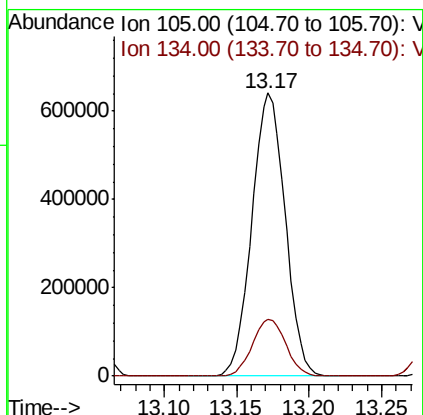
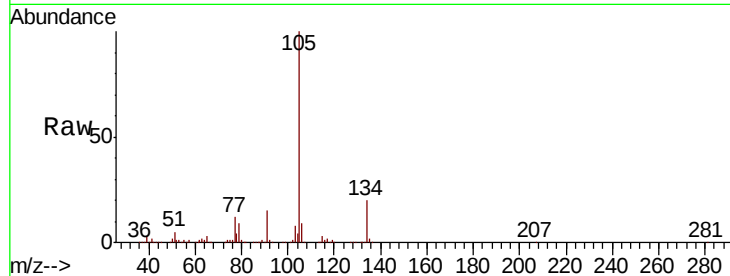




#81
 sec-Butylbenzene
 Concen: 22.608 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

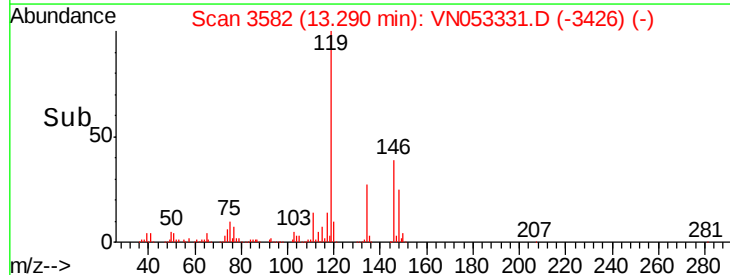
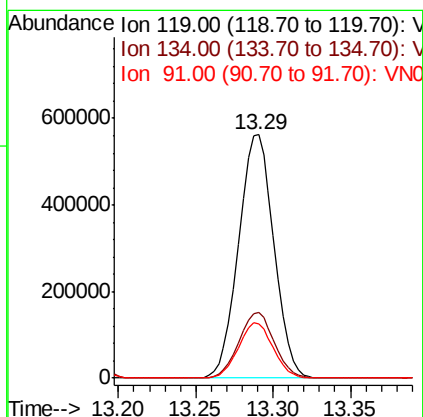
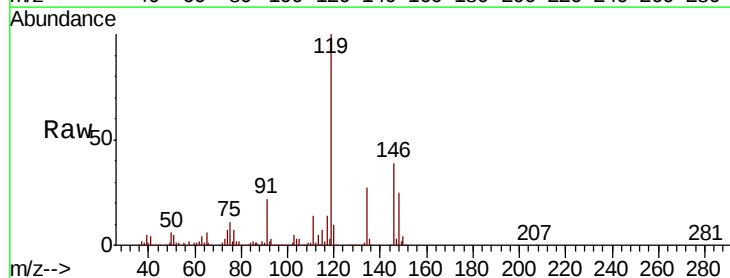
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

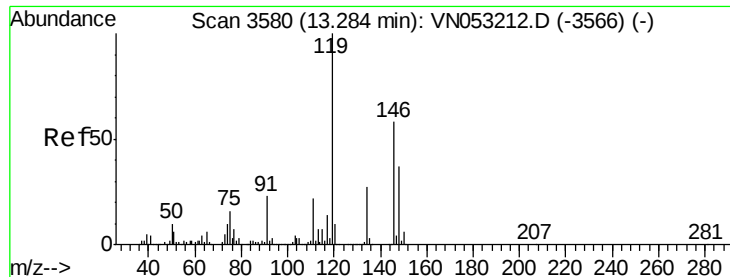
Tgt Ion:105 Resp: 1025250
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 22.761 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion:119 Resp: 891925
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 52.6
 91 22.3 0.0 46.2

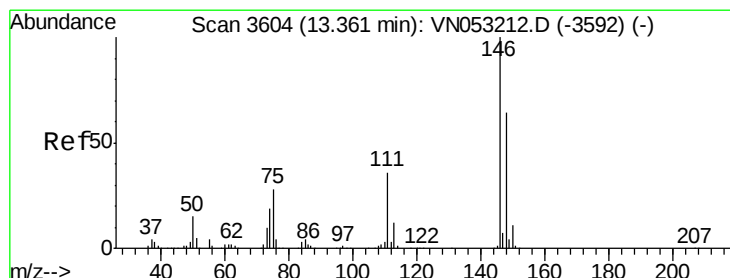
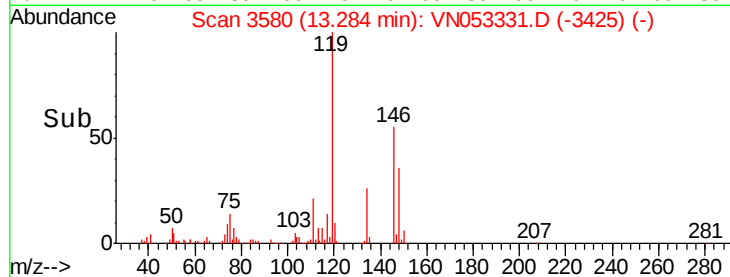
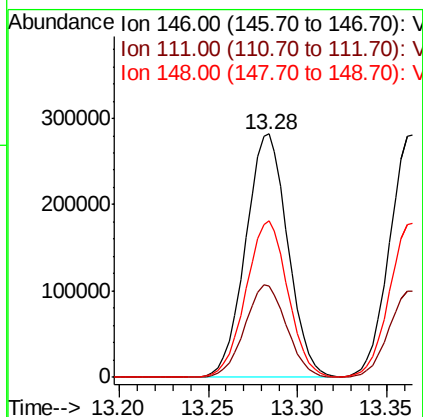
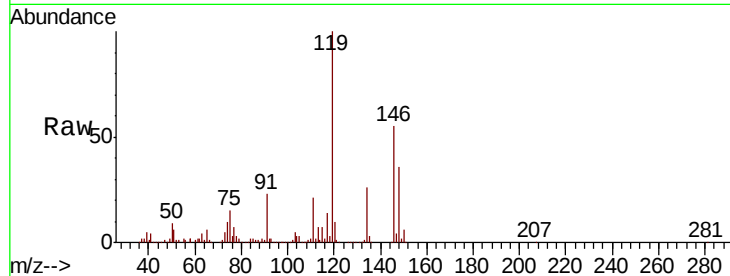




#83
 1,3-Dichlorobenzene
 Concen: 21.533 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

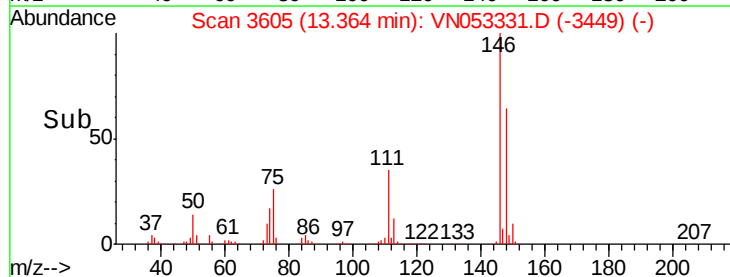
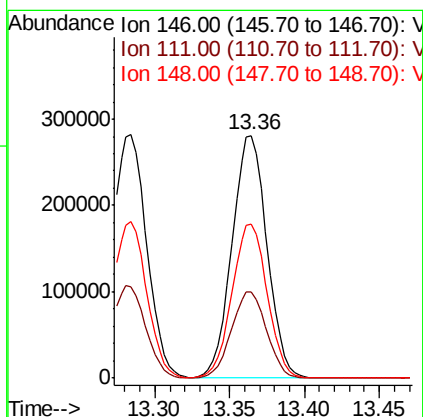
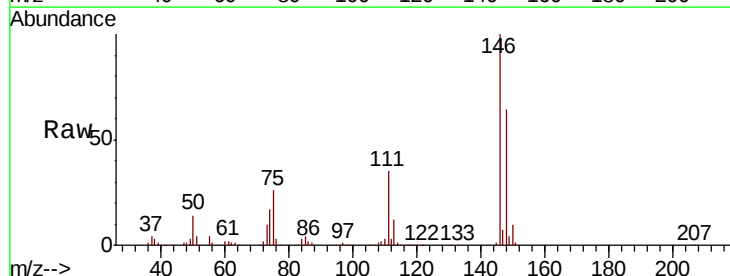
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

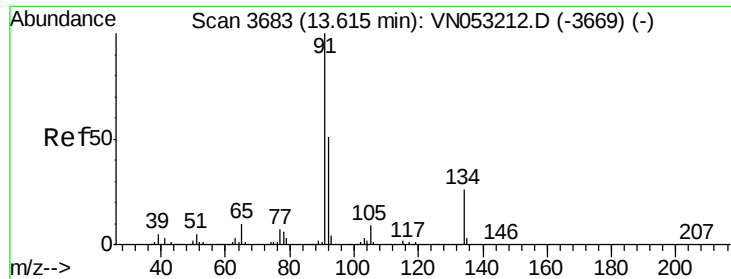
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.7	59.0
148	63.8	32.3	96.8



#84
 1,4-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.8	56.3
148	64.1	32.5	97.4

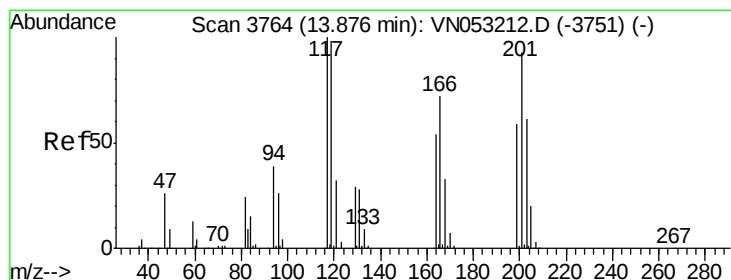
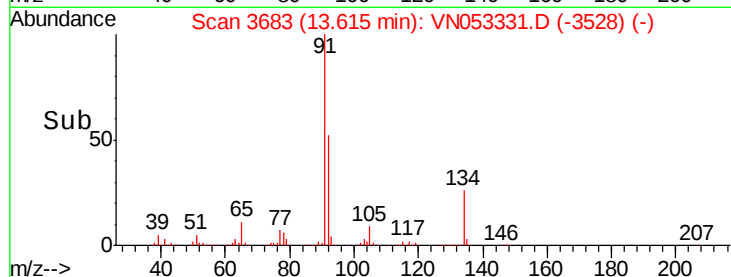
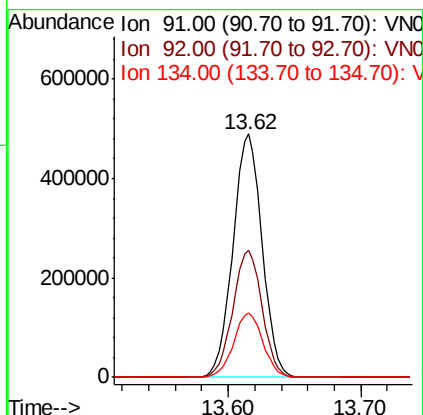
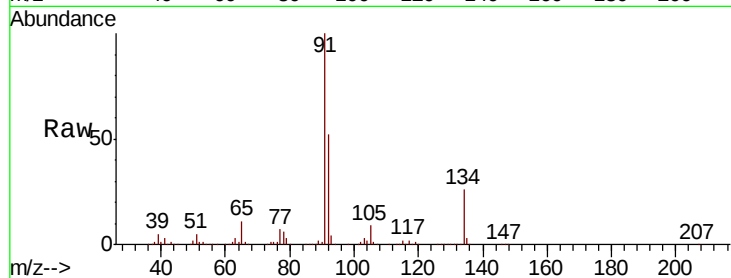




#85
n-Butylbenzene
Concen: 23.387 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

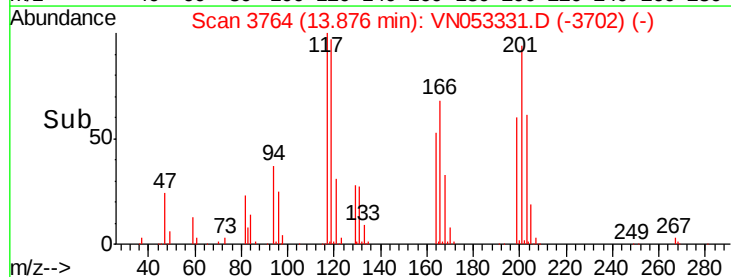
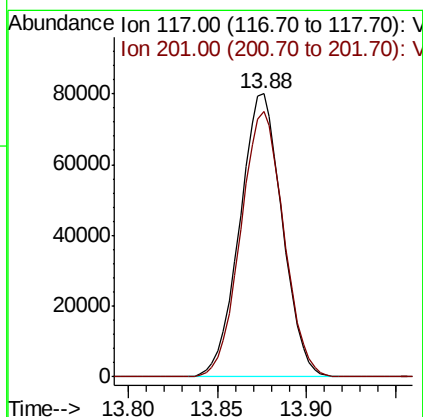
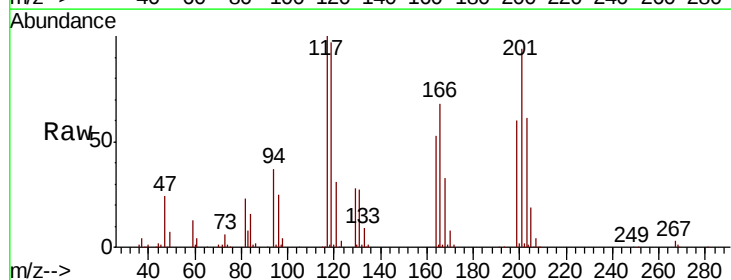
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

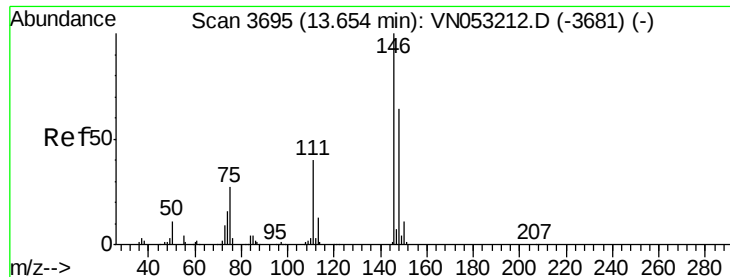
Tgt Ion: 91 Resp: 745276
Ion Ratio Lower Upper
91 100
92 52.2 0.0 104.2
134 26.6 0.0 50.6



#86
Hexachloroethane
Concen: 21.328 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion: 117 Resp: 133435
Ion Ratio Lower Upper
117 100
201 94.6 43.8 131.3

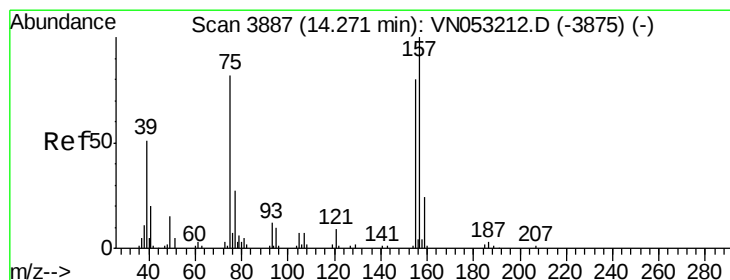
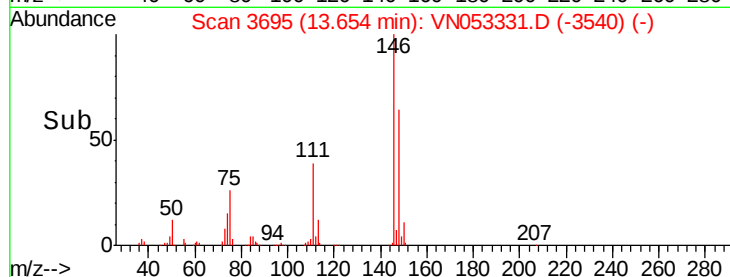
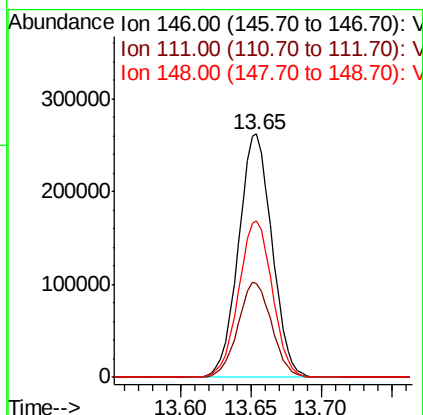
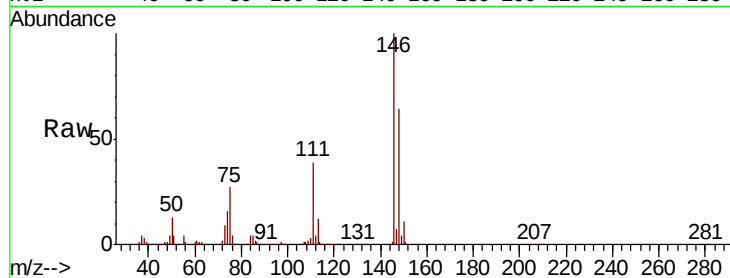




#87
 1,2-Dichlorobenzene
 Concen: 21.678 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

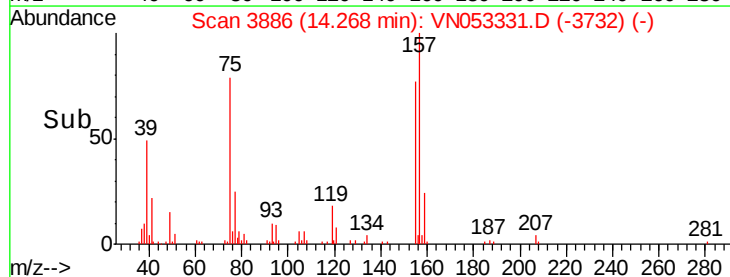
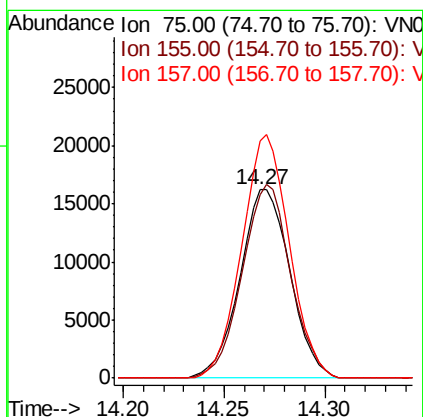
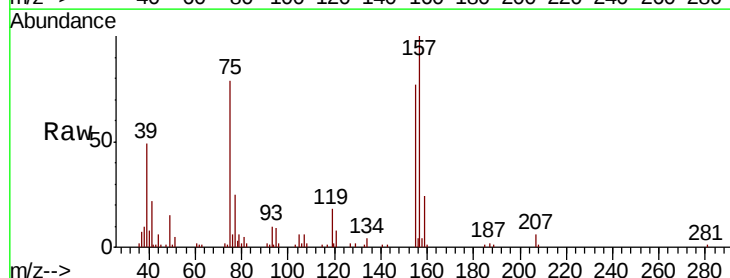
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

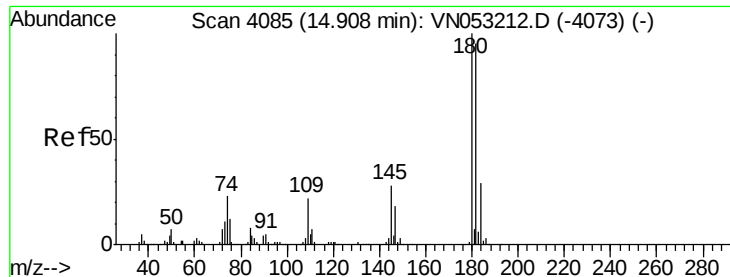
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.3	60.8
148	64.8	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.926 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	72.2	108.2
157	122.3	94.2	141.2

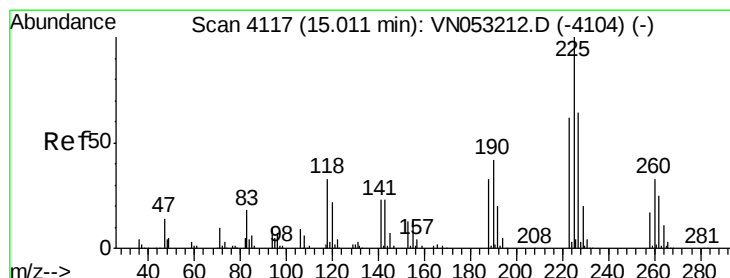
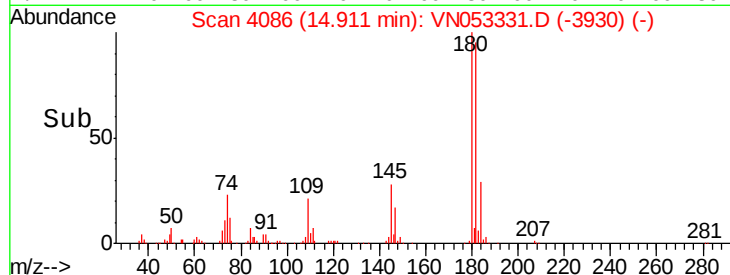
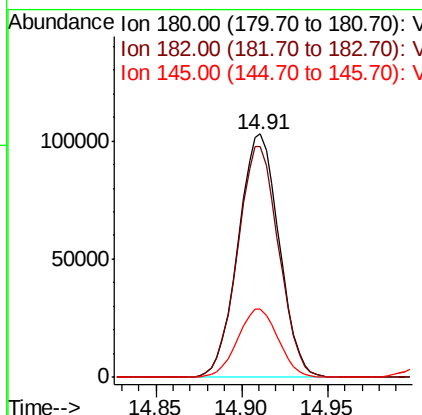
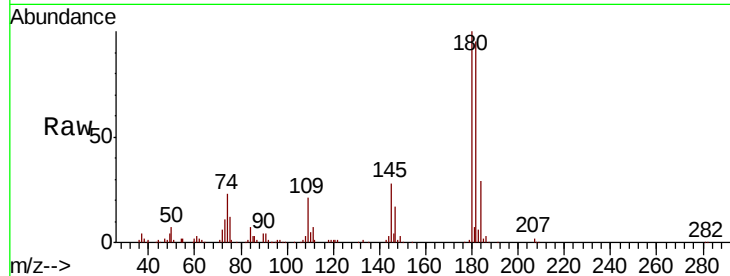




#89
 1,2,4-Trichlorobenzene
 Concen: 17.460 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

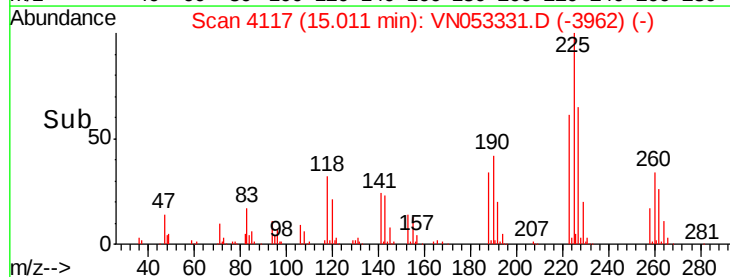
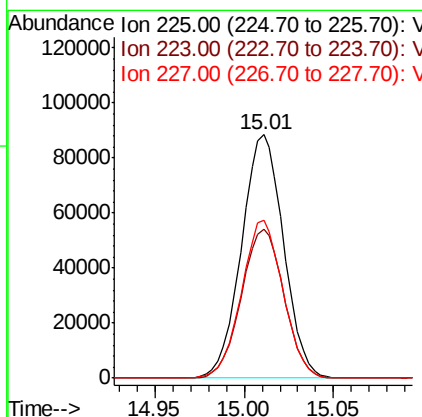
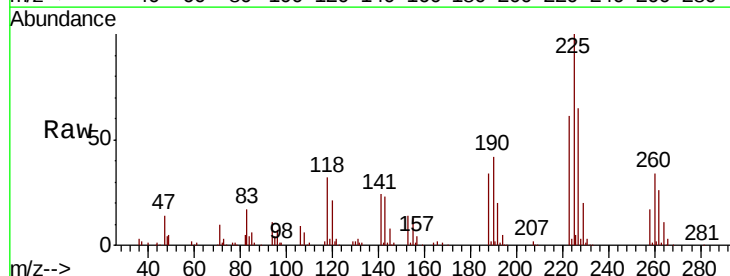
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

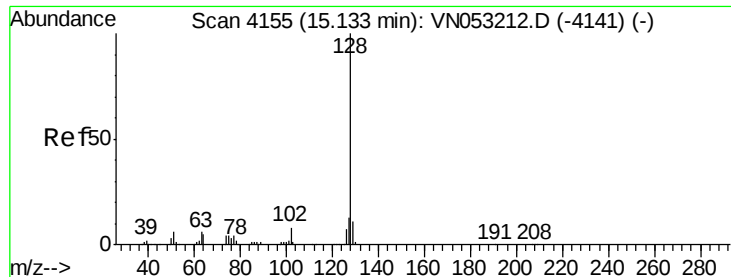
Tgt Ion:180 Resp: 170596
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 27.8 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 24.685 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion:225 Resp: 145999
 Ion Ratio Lower Upper
 225 100
 223 61.9 0.0 125.6
 227 63.8 0.0 127.8





#91

Naphthalene

Concen: 12.952 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

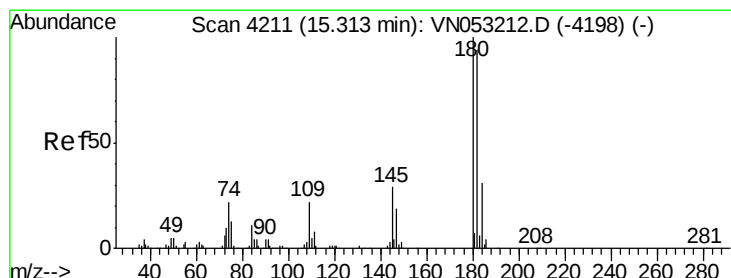
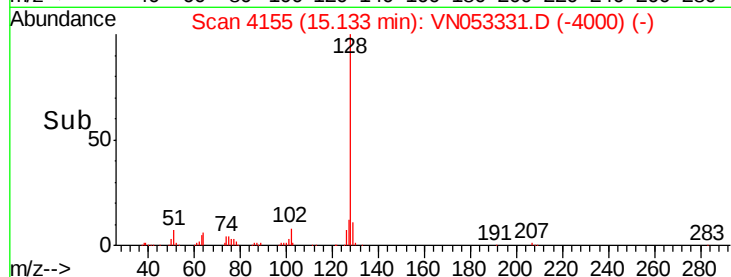
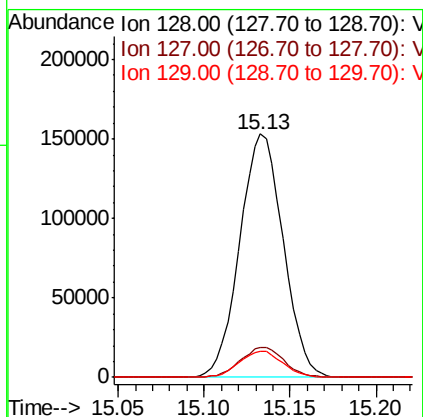
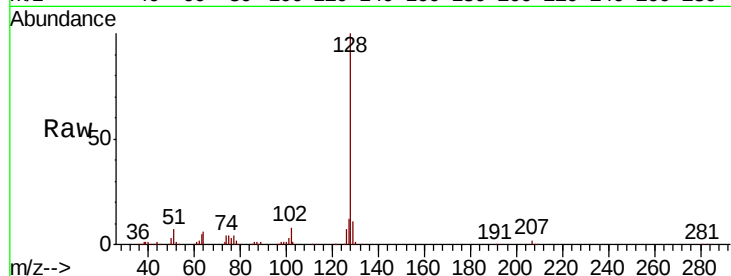
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:	128	Resp:	268510
Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.7	8.5	12.7



#92

1,2,3-Trichlorobenzene

Concen: 13.301 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Tgt Ion:	180	Resp:	115948
Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	196.2
145	29.8	0.0	62.2

