

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

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:11:29 AM

Quant Time: Jan 11 05:56:24 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

					Ovalue
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	187843m	20.585	ug/l	
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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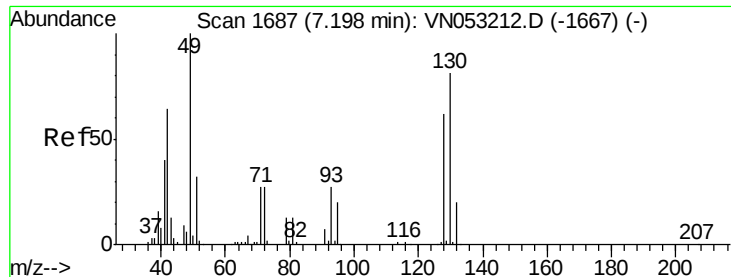
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 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

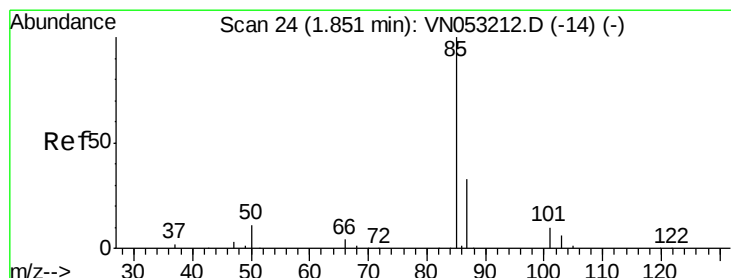
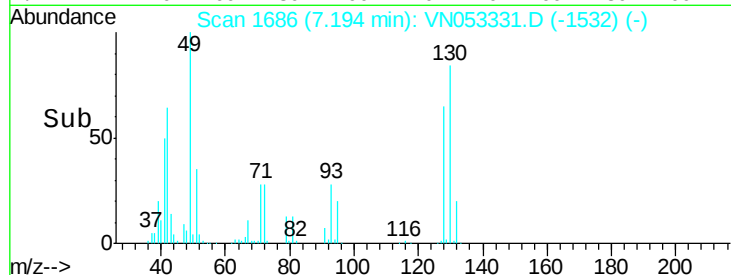
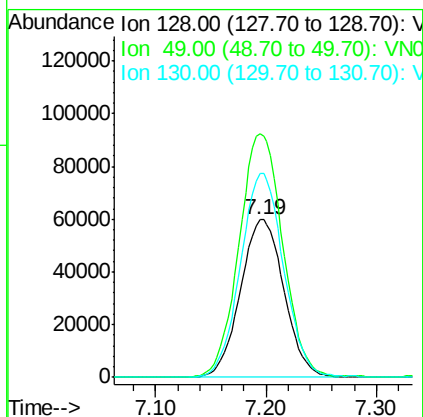
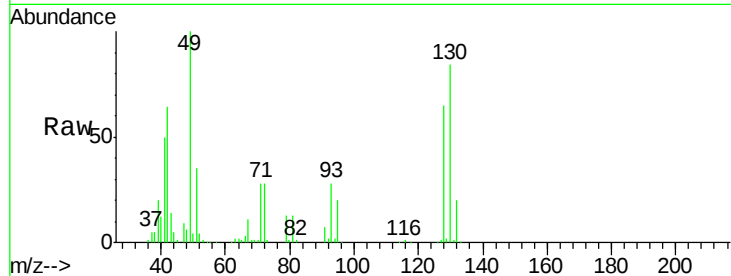
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	163491
Ion Ratio	Lower	Upper	
128	100		
49	156.0	0.0	431.8
130	128.4	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 20.419 ug/l

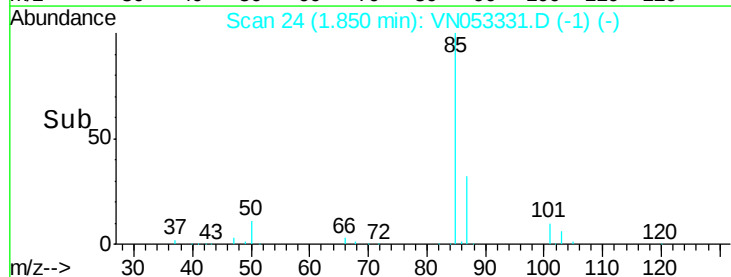
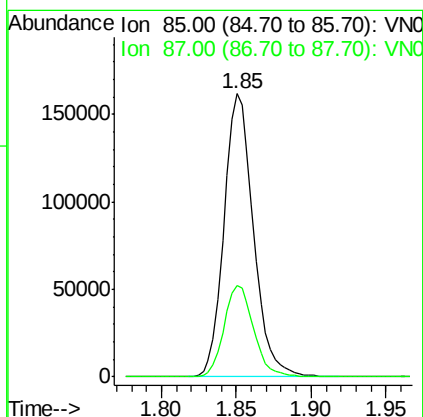
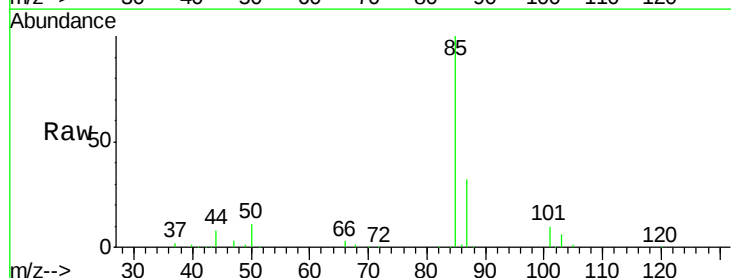
RT: 1.85 min Scan# 24

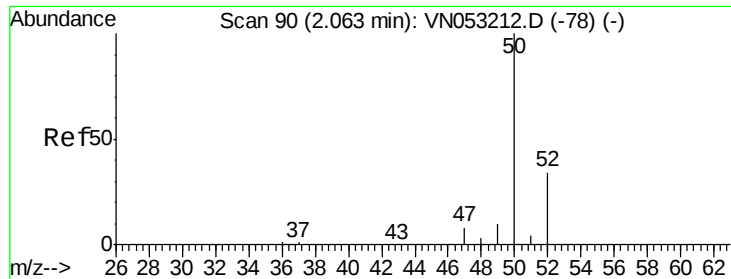
Delta R.T. -0.00 min

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





#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

Tot Ion: 50 Resp: 256955

Ion Ratio Lower Upper

50 100

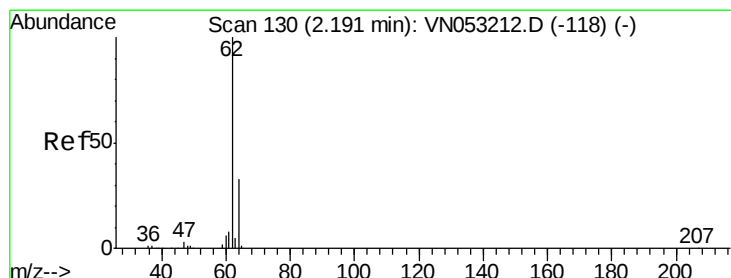
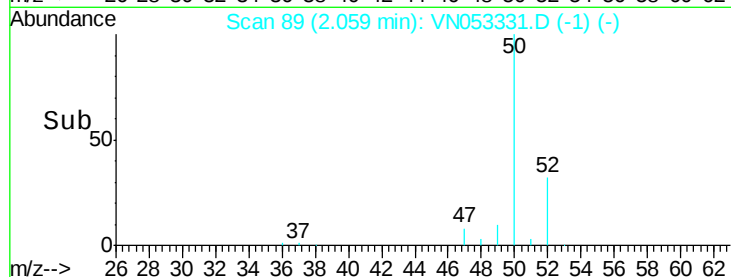
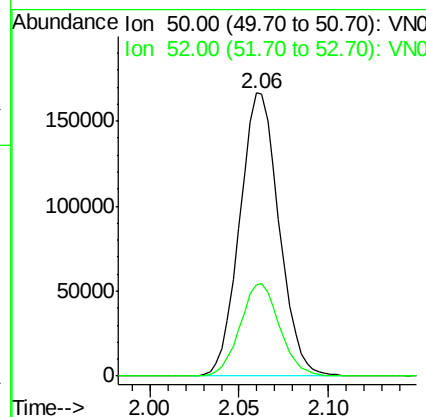
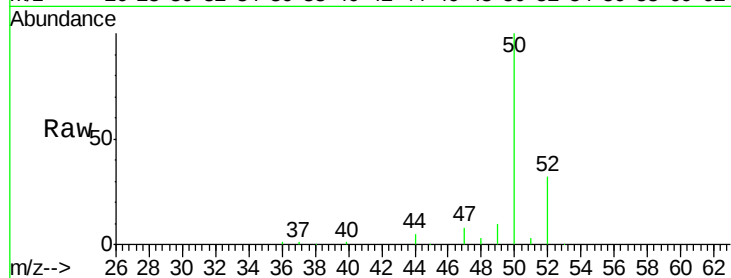
52 32.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.059 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053331.D

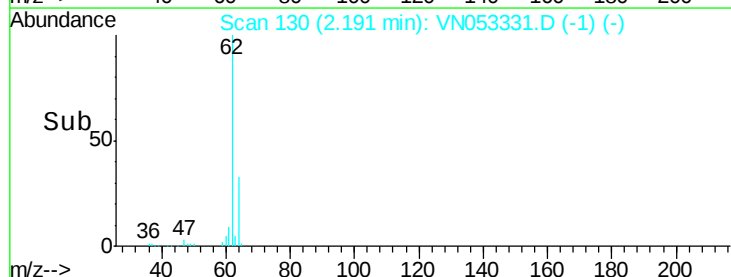
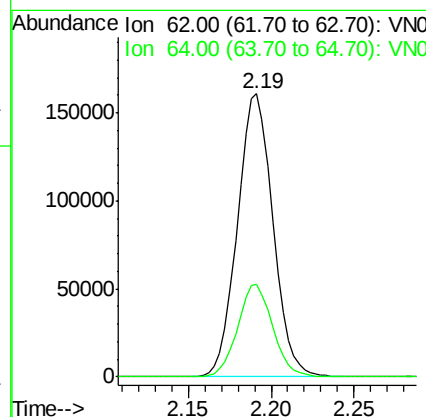
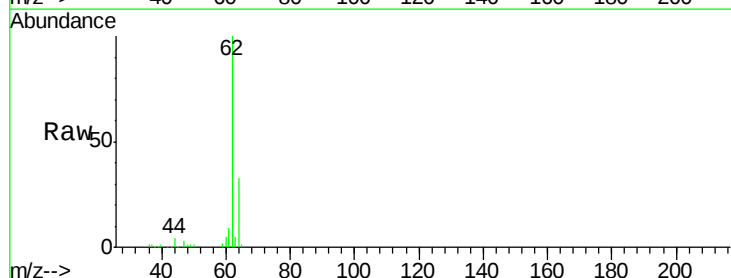
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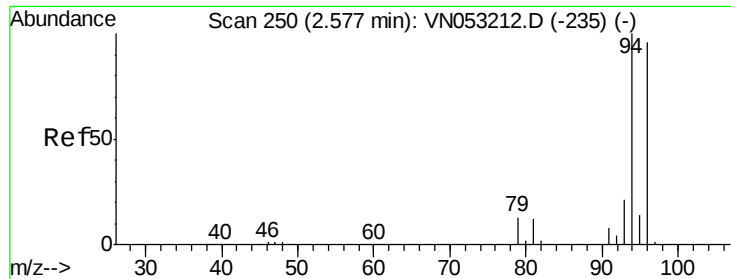
Tgt Ion: 62 Resp: 239783

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

Tot Ion: 94 Resp: 160186

Ion Ratio Lower Upper

94 100

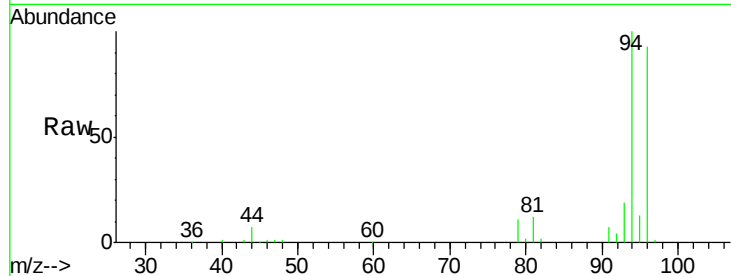
96 92.5 76.2 114.2

Manual Integrations

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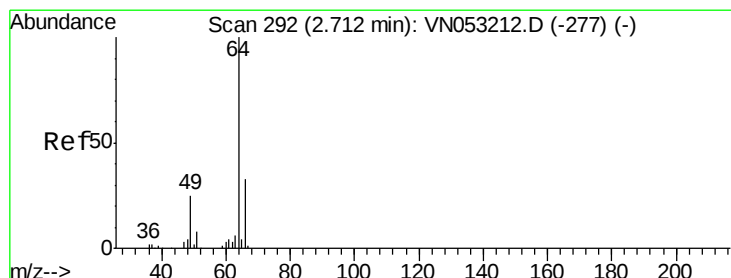
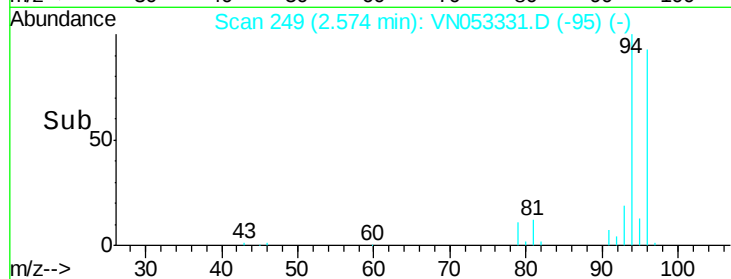
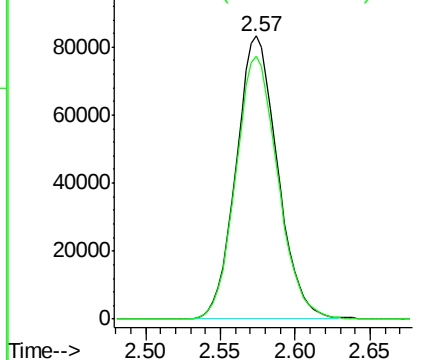
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Abundance Ion 94.00 (93.70 to 94.70): VN0

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

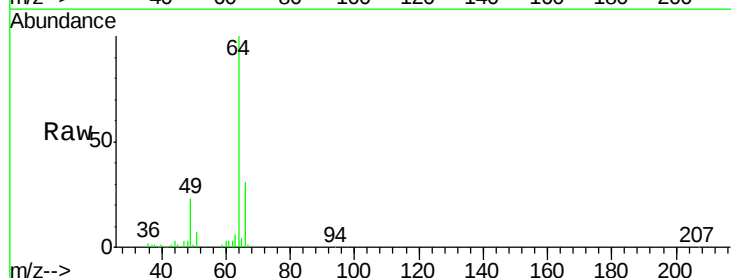
Acq: 10 Jan 2019 9:03

Tgt Ion: 64 Resp: 144372

Ion Ratio Lower Upper

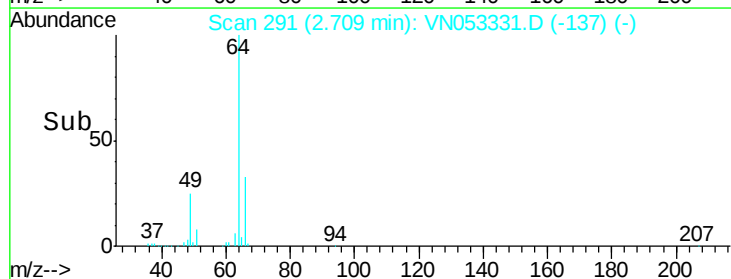
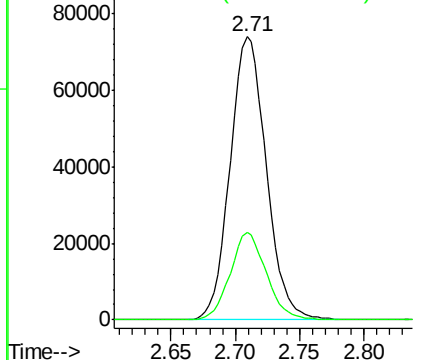
64 100

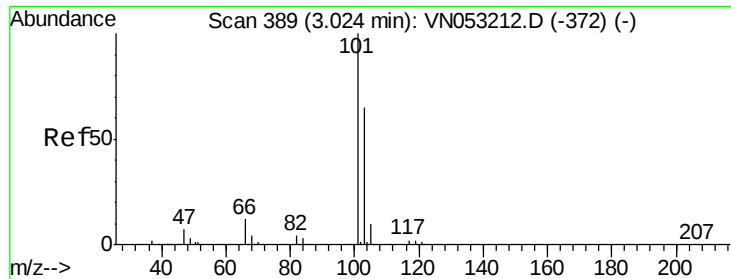
66 31.0 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

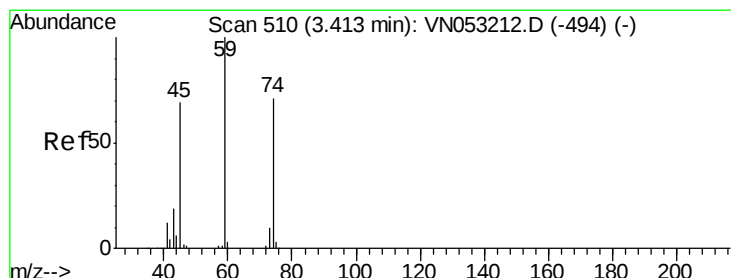
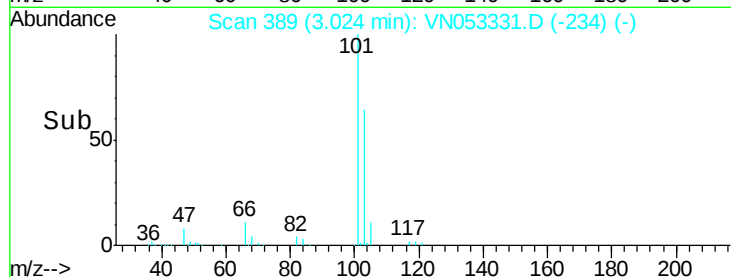
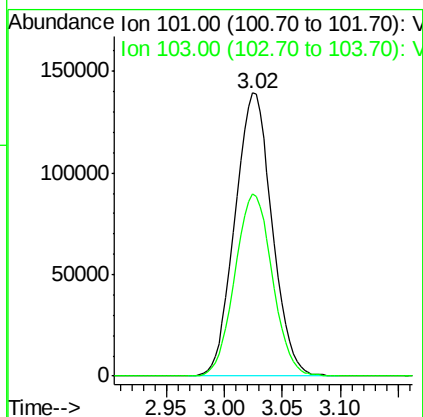
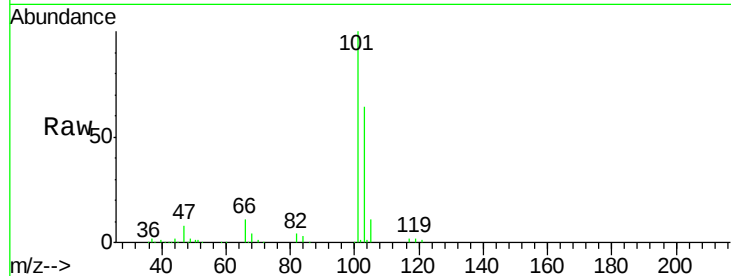
Trichlorofluoromethane
 Concen: 19.980 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

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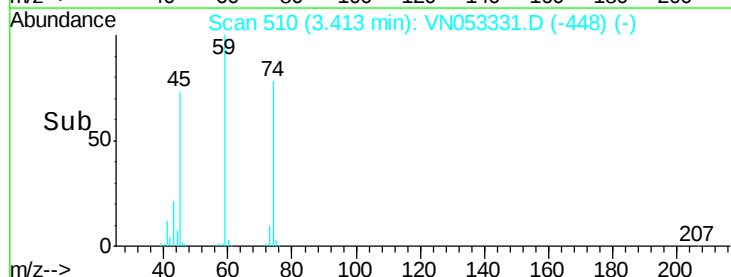
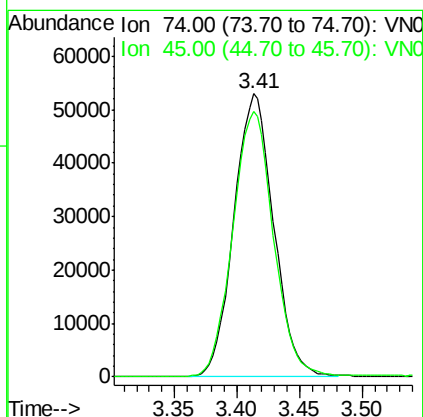
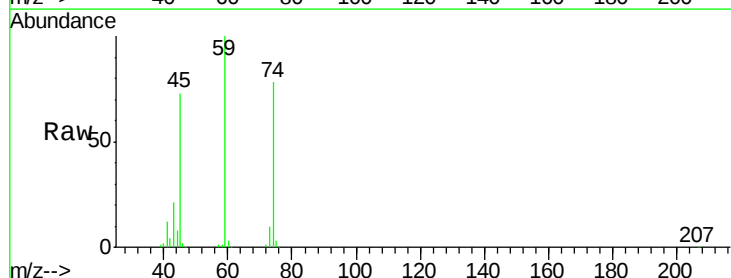
MMDadoda
 1/11/2019 10:11:29 AM

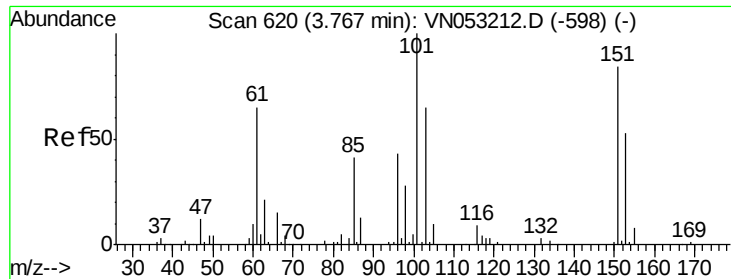


#8

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	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

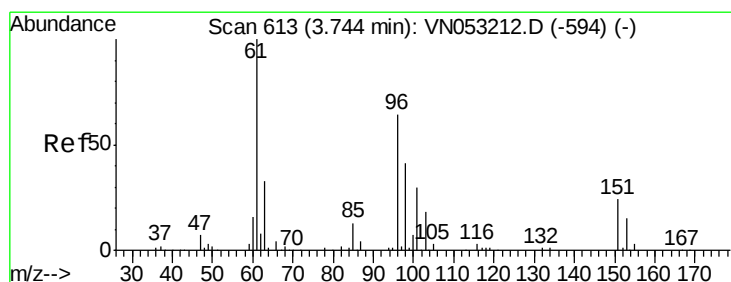
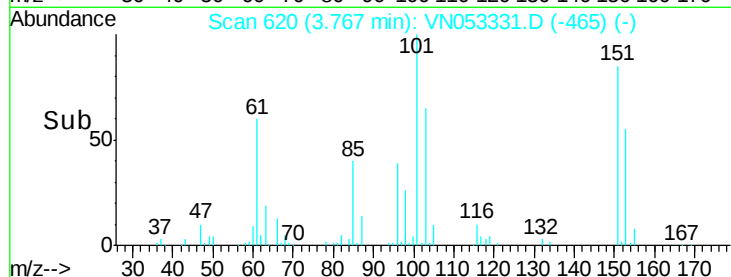
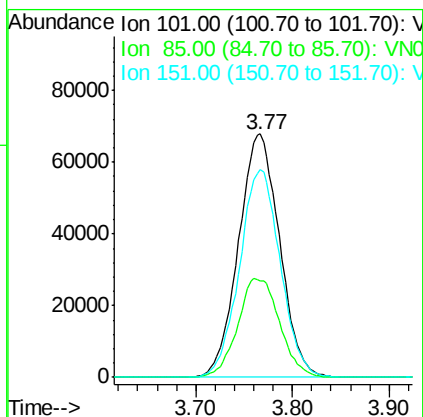
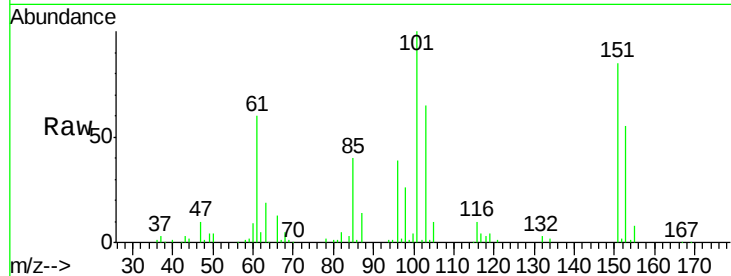
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200136		
85	41.4	0.0	82.6	
151	85.0	0.0	158.4	

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#10

1,1-Dichloroethene

Concen: 19.388 ug/l

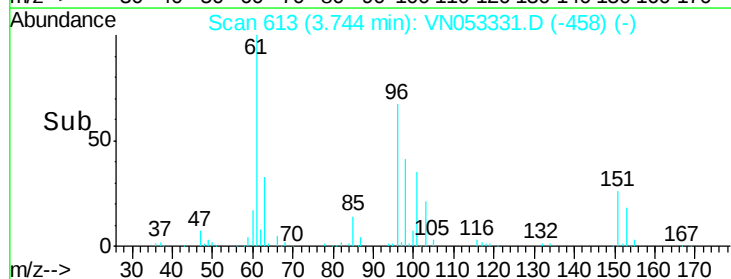
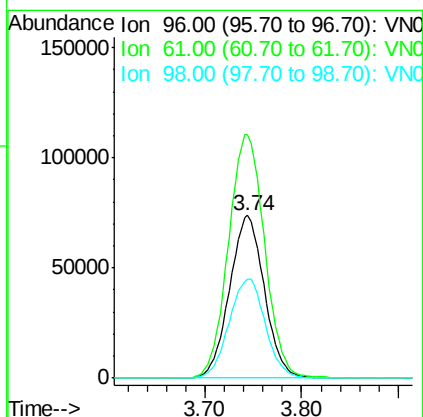
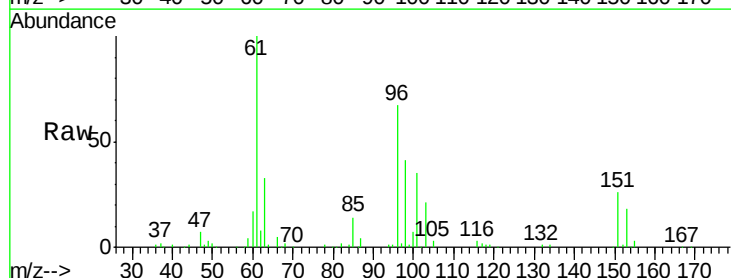
RT: 3.74 min Scan# 613

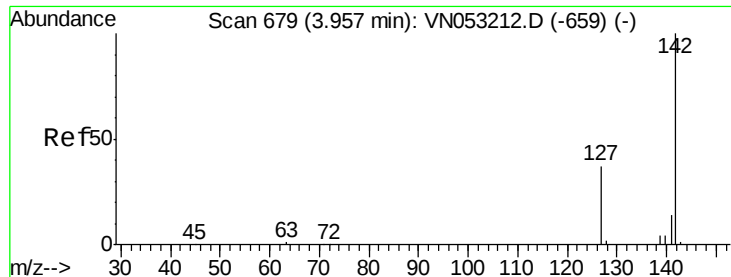
Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	184688		
61	149.5	129.4	194.2	
98	61.1	50.4	75.6	





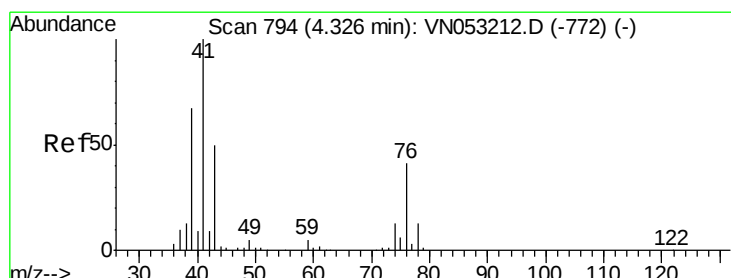
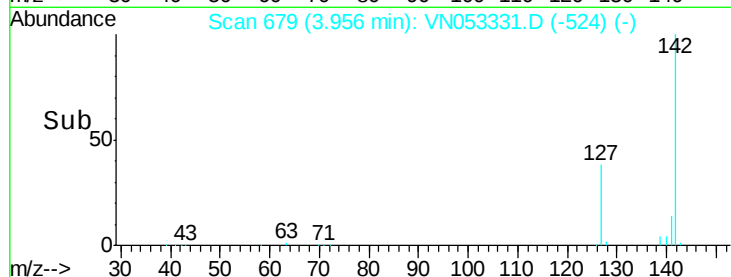
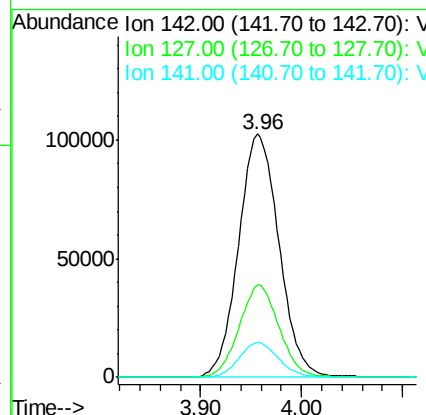
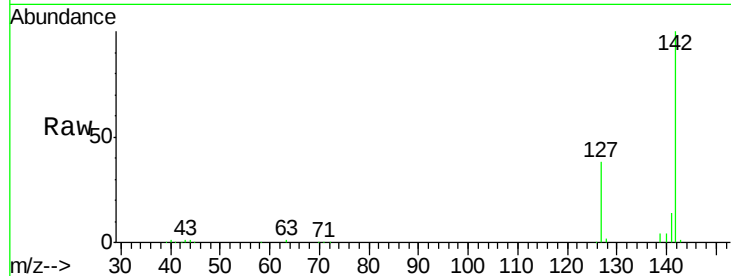
#11
Methyl Iodide
Concen: 20.468 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.1	19.4	58.1
141	14.4	7.2	21.6

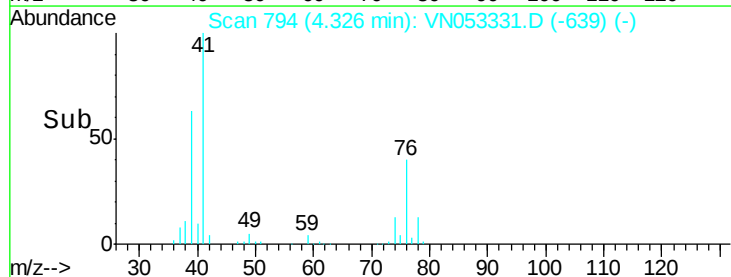
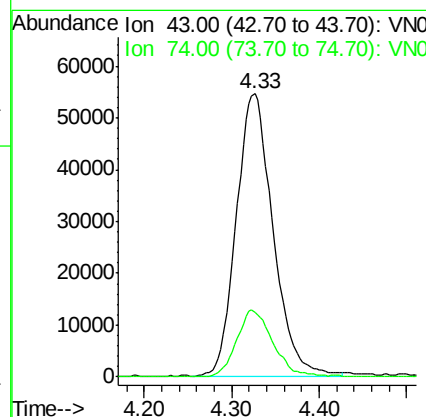
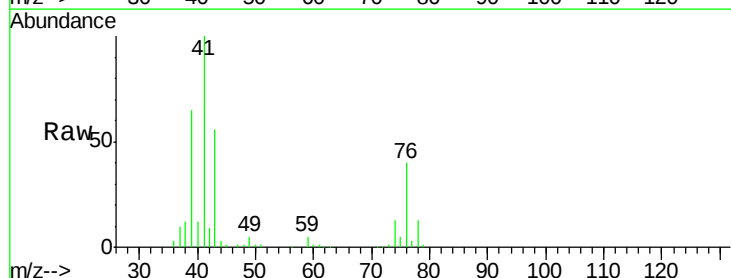
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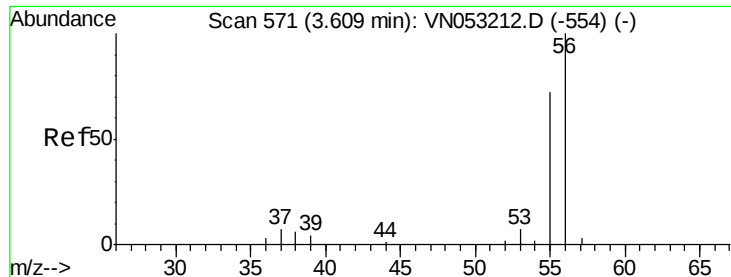
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#12
Methyl Acetate
Concen: 21.364 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion	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

Tot Ion: 56 Resp: 78424

Ion Ratio Lower Upper

56 100

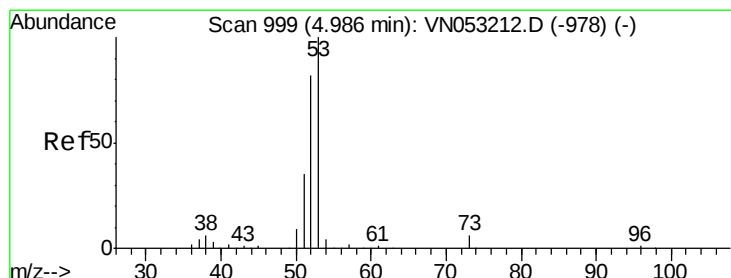
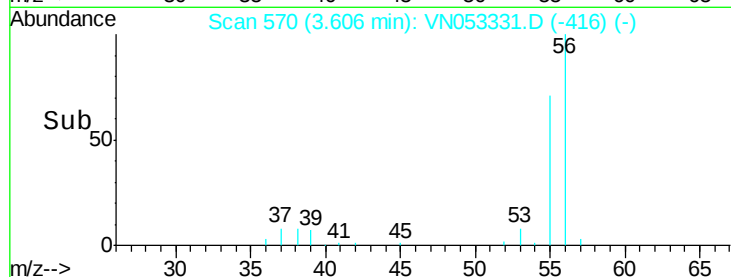
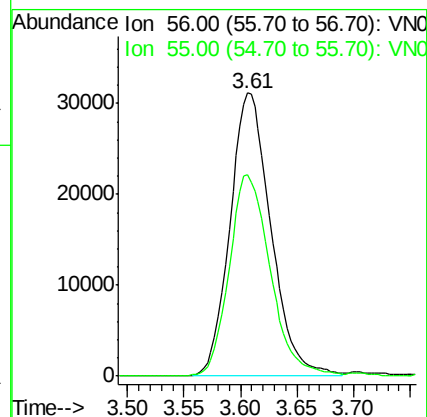
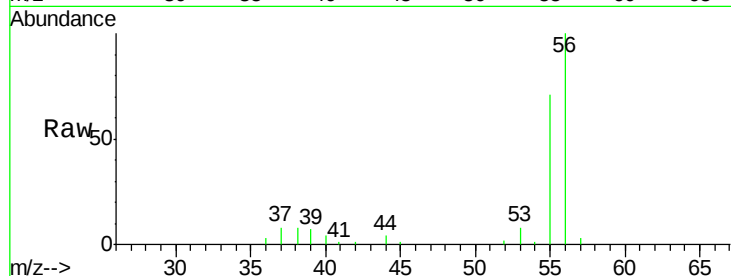
55 71.4 56.7 85.1

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#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

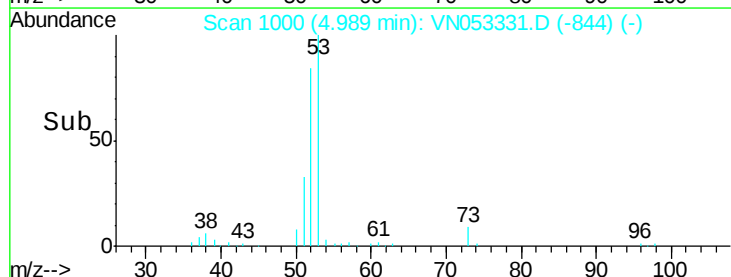
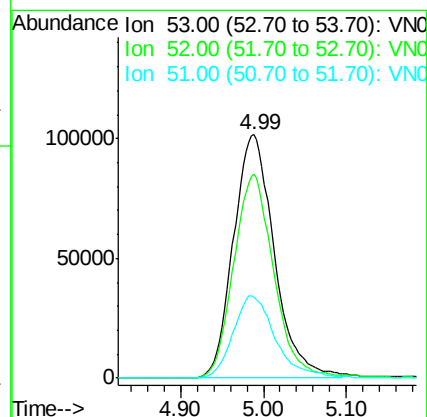
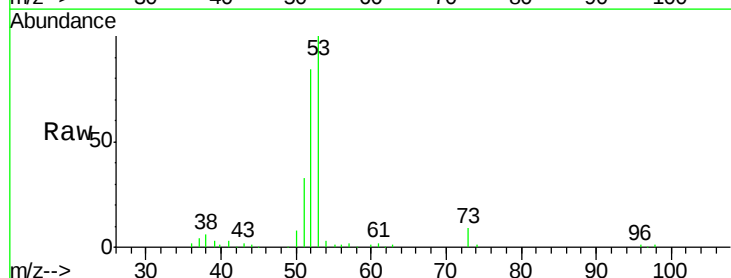
Tgt Ion: 53 Resp: 348684

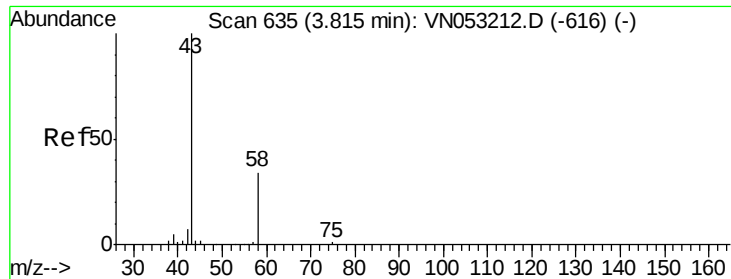
Ion Ratio Lower Upper

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

Tot Ion: 58 Resp: 96404

Ion Ratio Lower Upper

58 100

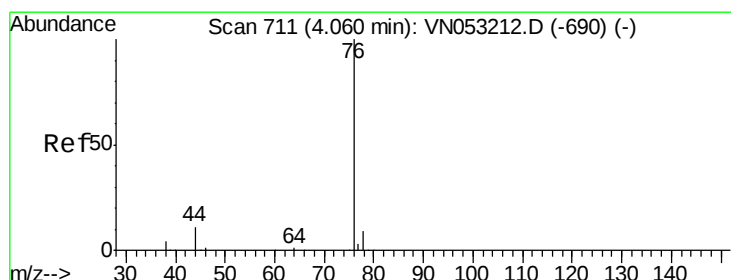
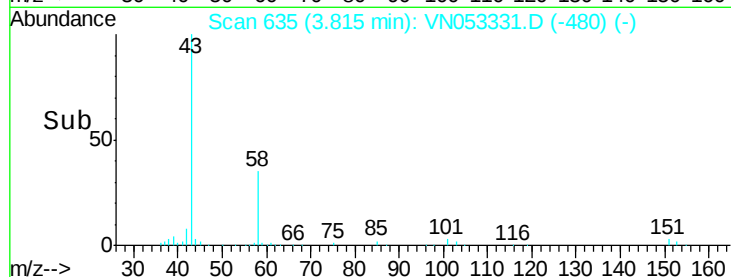
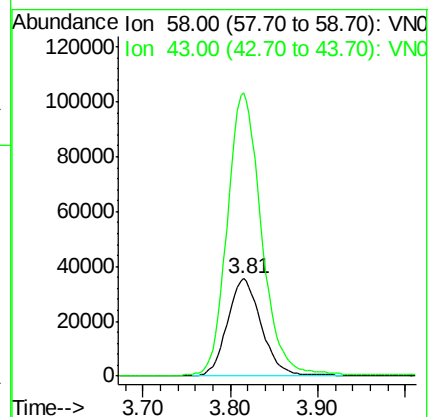
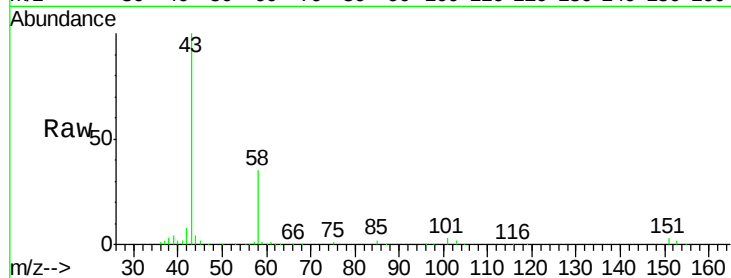
43 287.8 243.6 365.4

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#16

Carbon Disulfide

Concen: 18.565 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053331.D

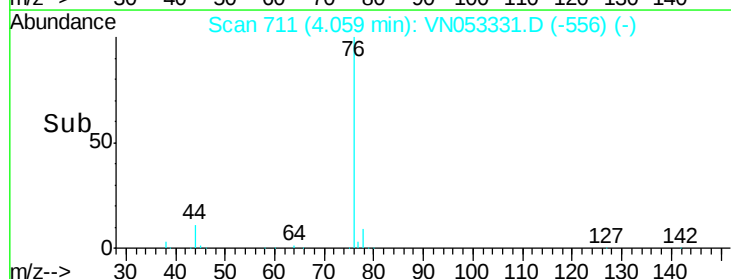
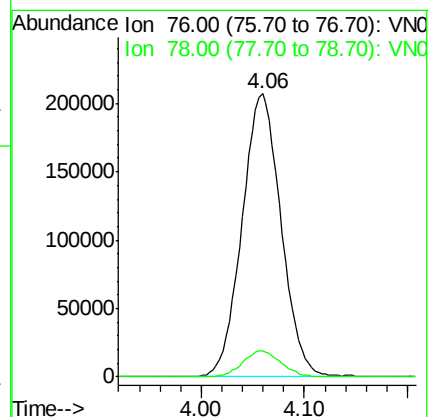
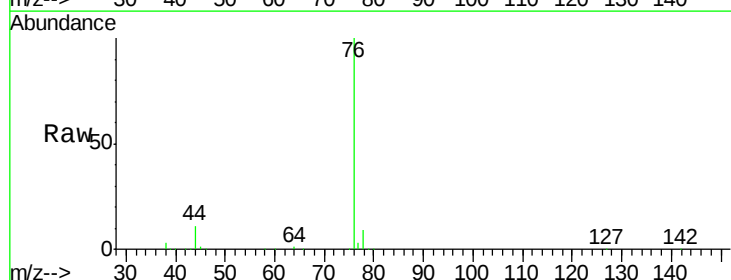
Acq: 10 Jan 2019 9:03

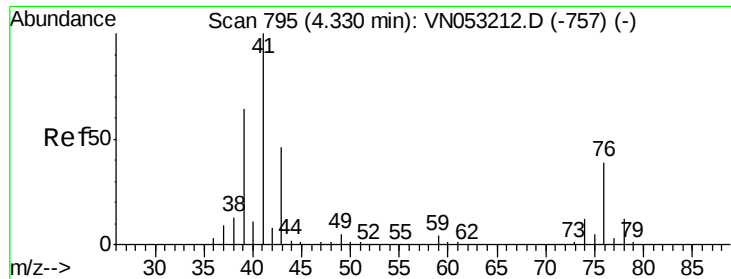
Tgt Ion: 76 Resp: 544055

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl 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

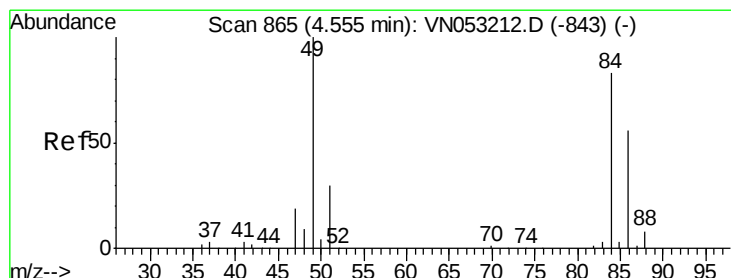
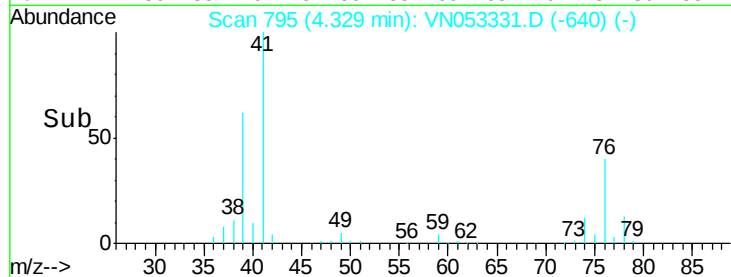
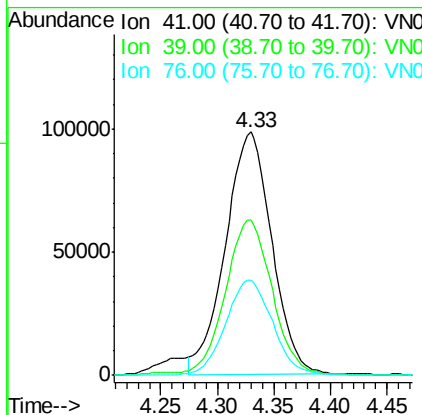
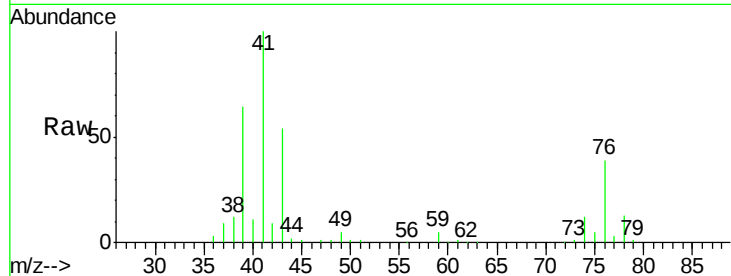
ClientSampleId :

VSTDCCC020

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

Manual Integrations
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#18

Methylene Chloride

Concen: 19.685 ug/l

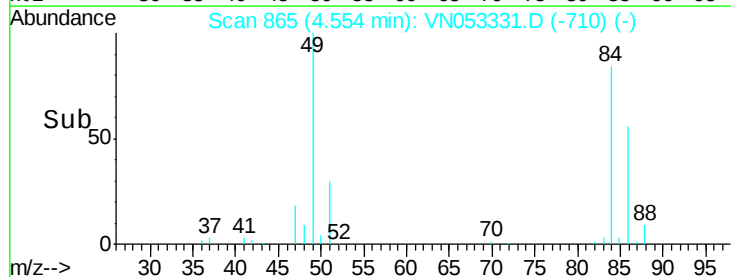
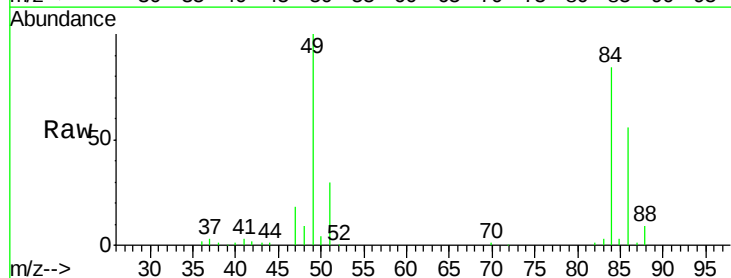
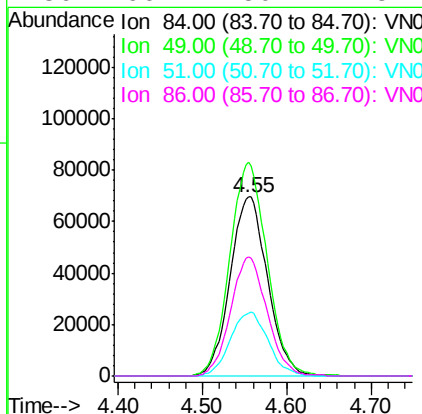
RT: 4.55 min Scan# 865

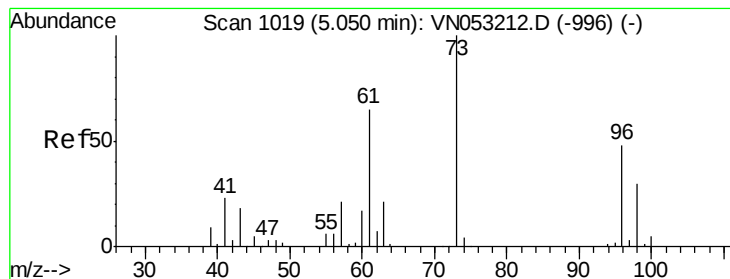
Delta R.T. -0.00 min

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

ClientSampled :

VSTDCCC020

Tot Ion: 96 Resp: 194886

Ion Ratio Lower Upper

96 100

61 140.7 118.2 177.4

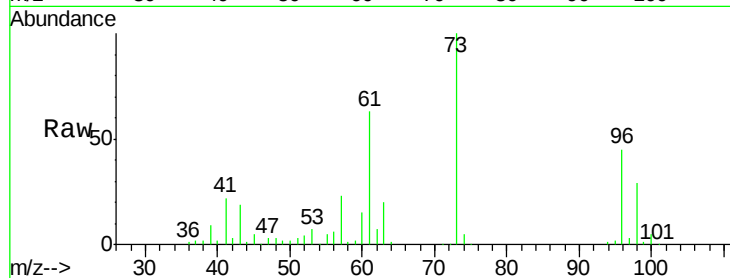
98 64.6 51.4 77.2

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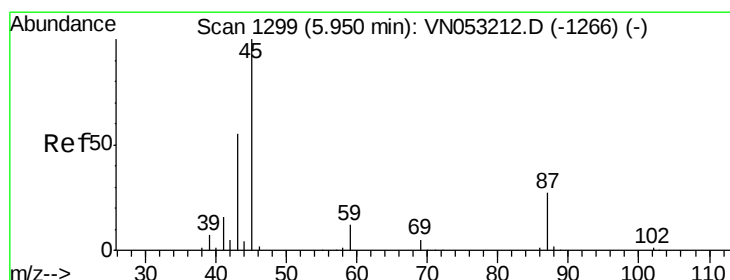
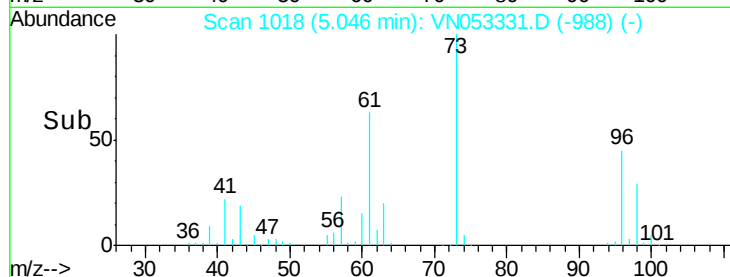
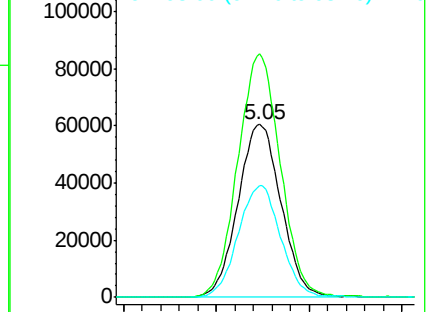


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 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

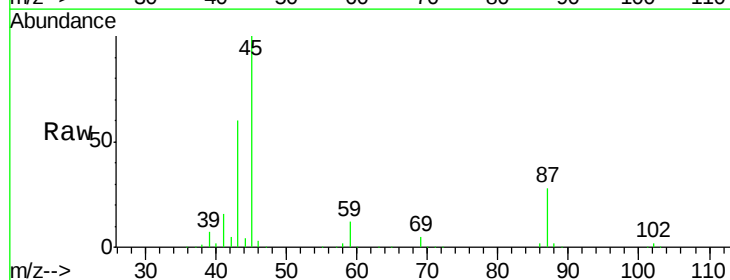
Ion Ratio Lower Upper

45 100

43 57.8 47.8 71.8

87 27.6 21.3 31.9

59 11.9 8.9 13.3



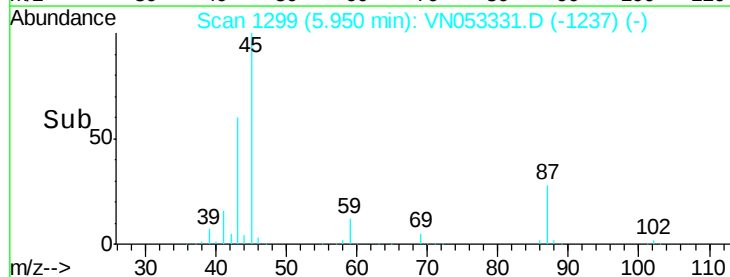
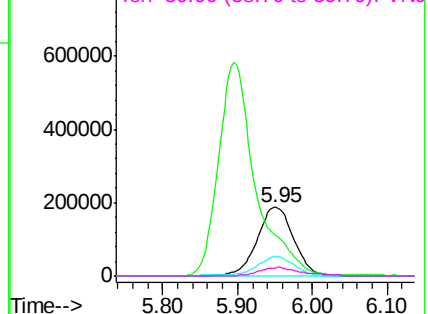
Abundance

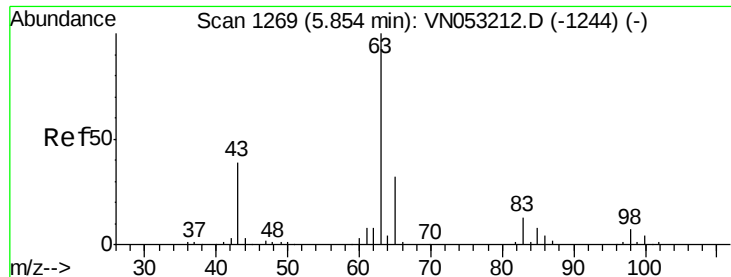
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 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

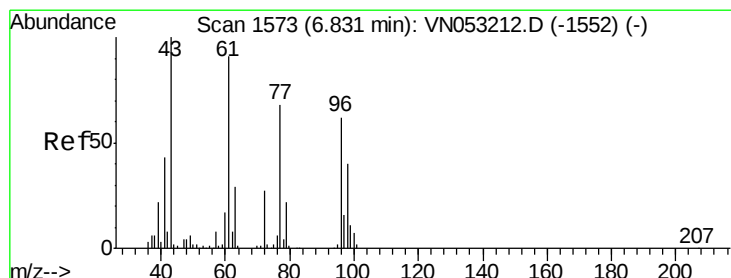
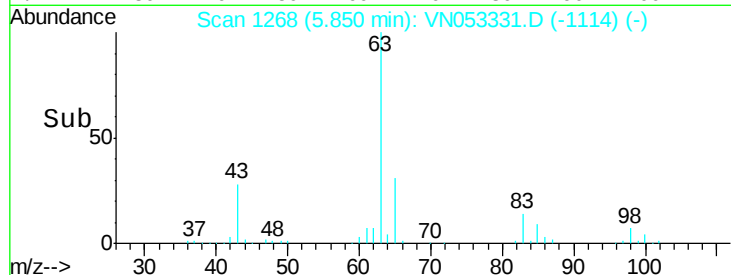
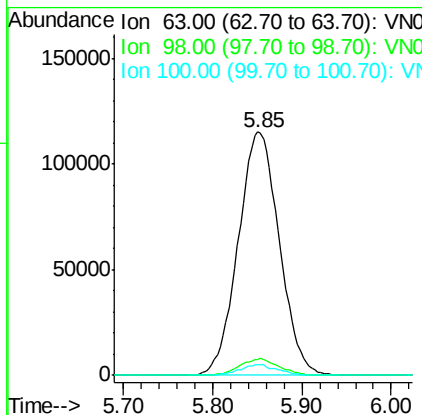
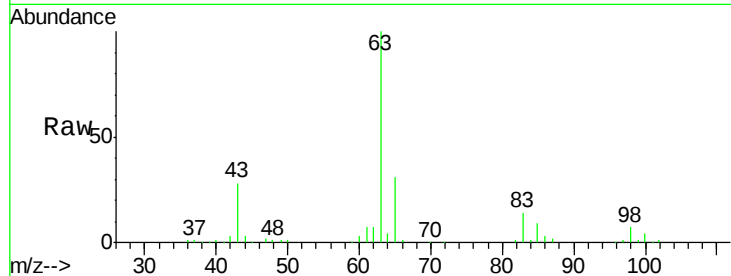
ClientSampleId :

VSTDCCC020

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

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#22

cis-1,2-Dichloroethene

Concen: 19.714 ug/l

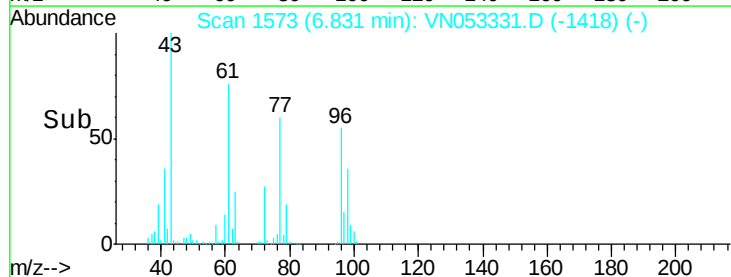
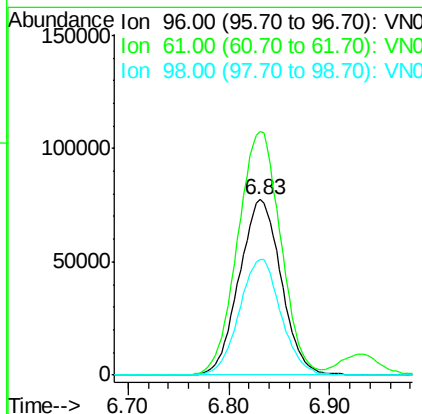
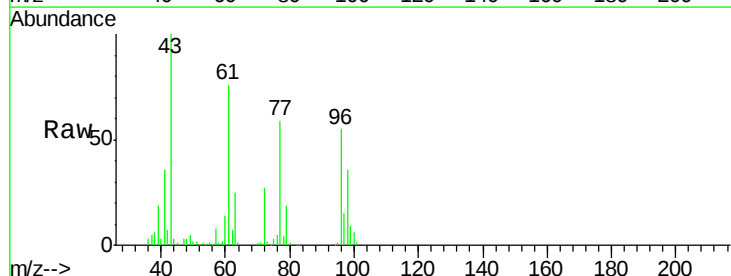
RT: 6.83 min Scan# 1573

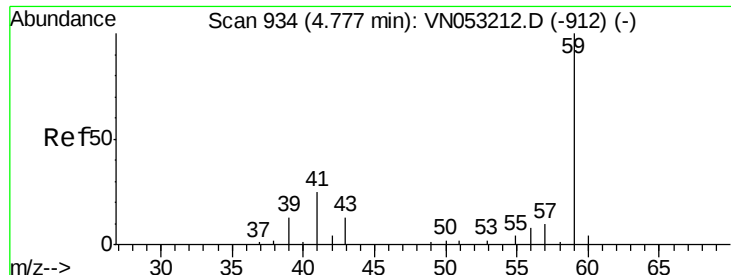
Delta R.T. -0.00 min

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

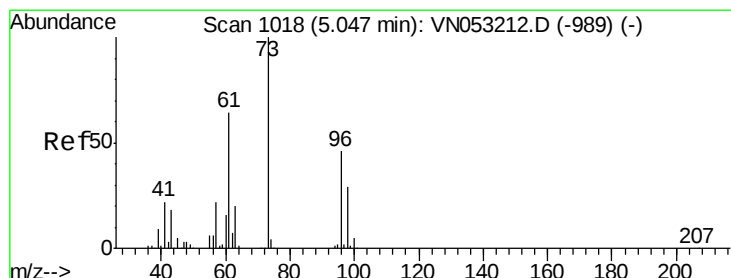
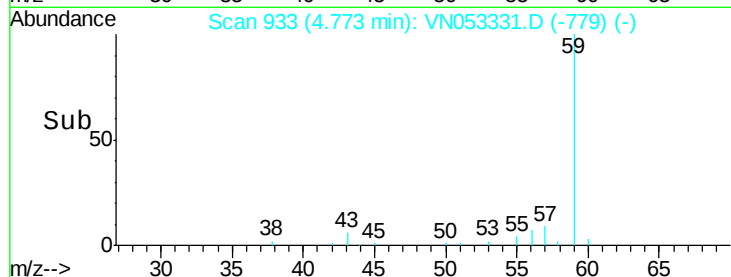
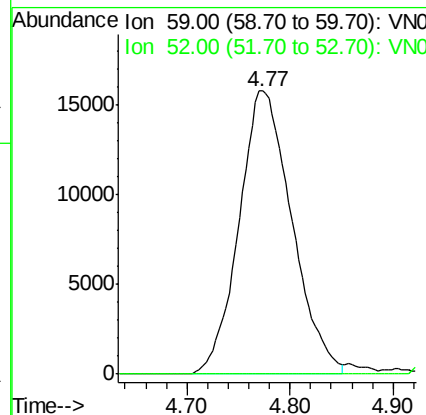
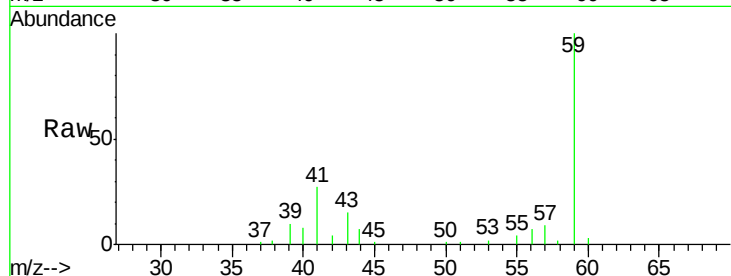
tert-Butyl Alcohol
 Concen: 100.546 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		56301		
52	0.0		0.0	0.0	0.0

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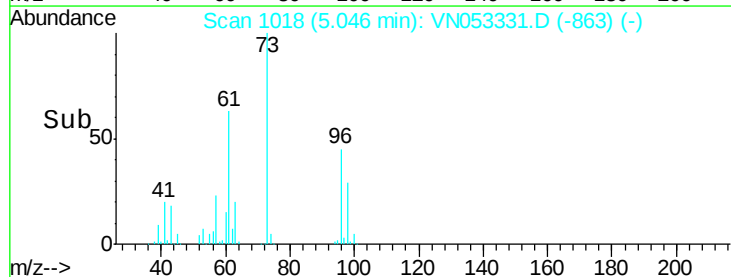
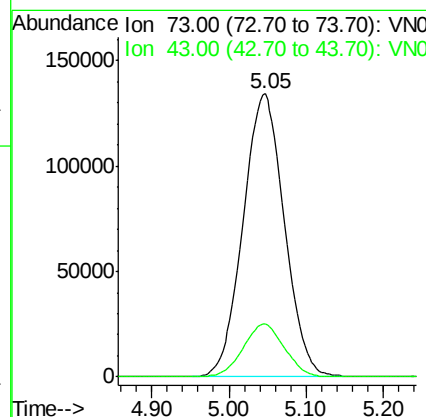
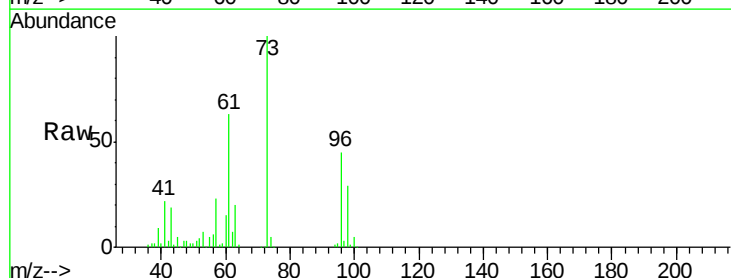
MMDadoda
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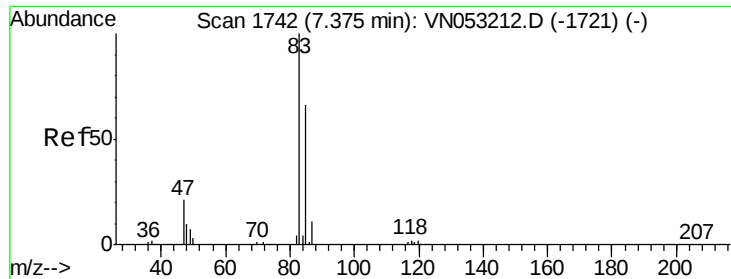


#24

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





#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

Tot Ion: 83 Resp: 358958

Ion Ratio Lower Upper

83 100

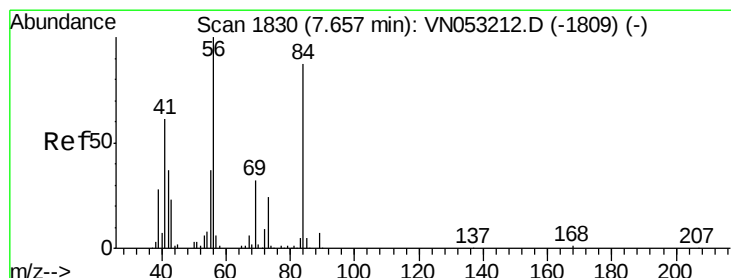
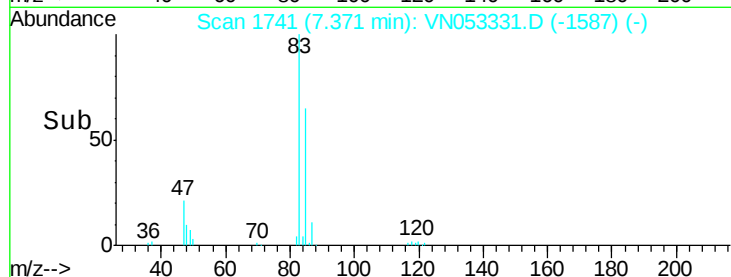
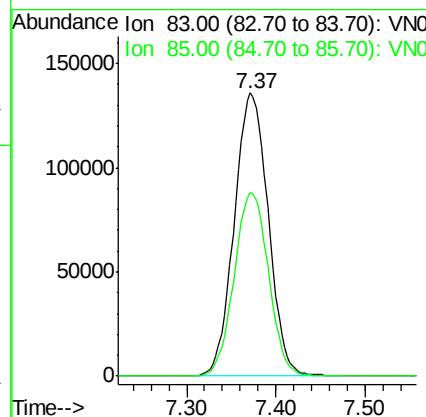
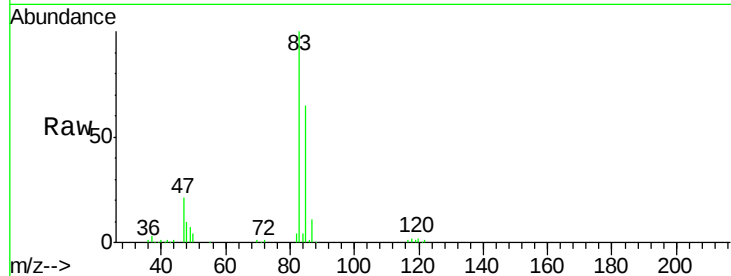
85 64.8 51.7 77.5

Manual Integrations

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1/11/2019 10:11:29 AM



#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

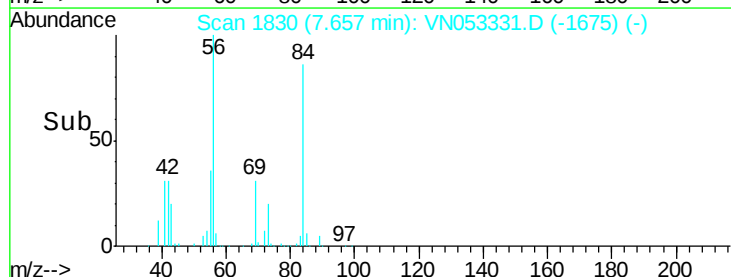
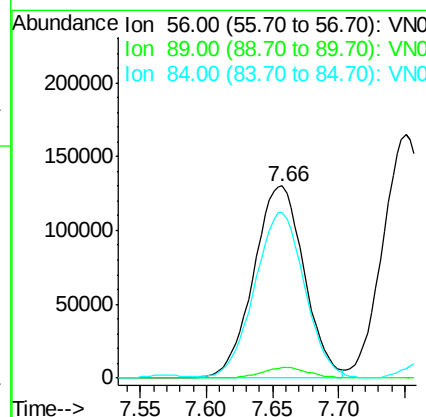
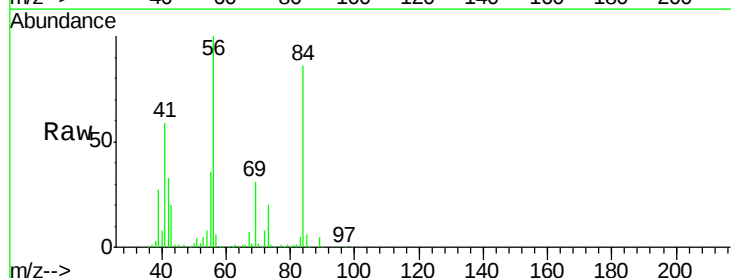
Tgt Ion: 56 Resp: 344882

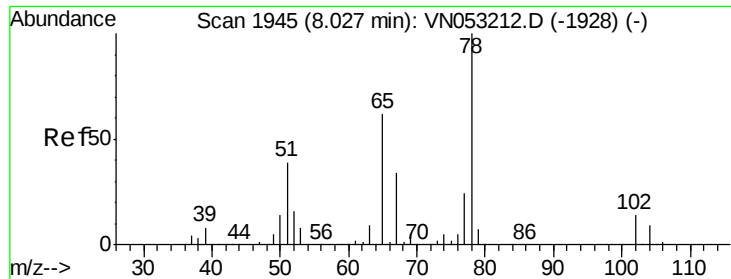
Ion Ratio Lower Upper

56 100

89 5.2 0.5 0.7#

84 85.8 66.2 99.2





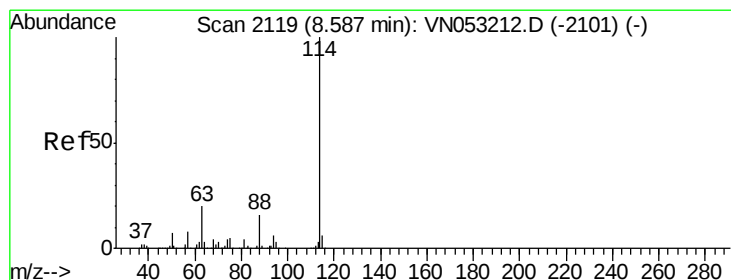
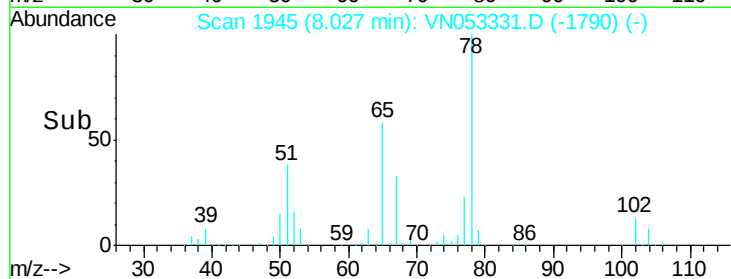
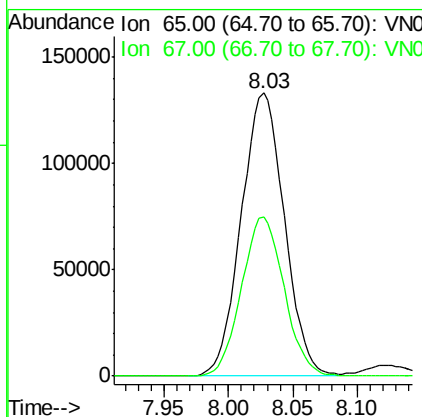
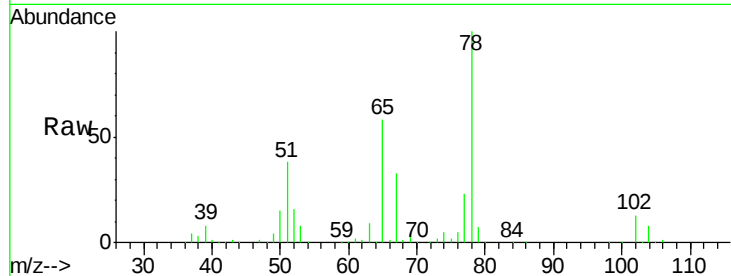
#27
 1,2-Dichloroethane-d4
 Concen: 19.788 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	44.6	66.8

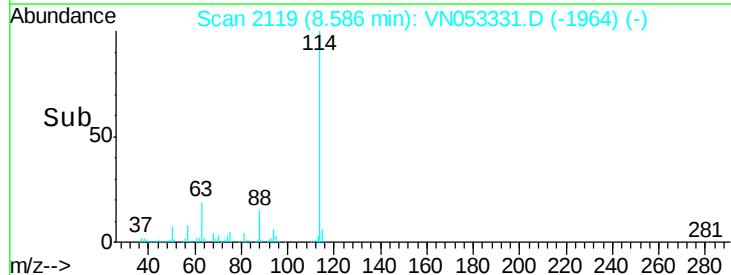
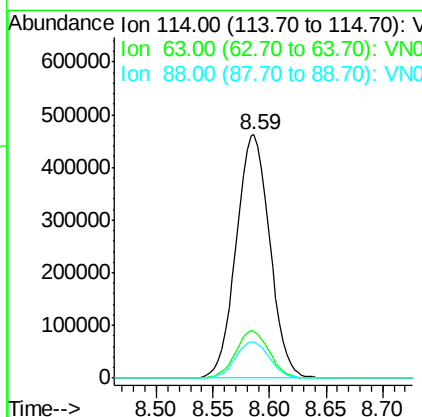
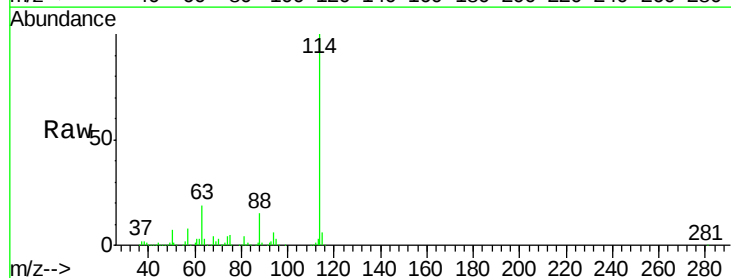
Manual Integrations
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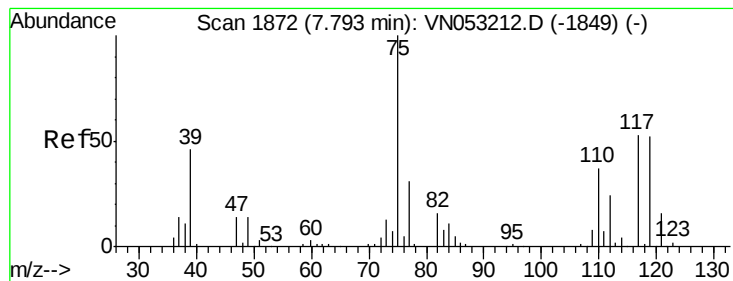
MMDadoda
 1/11/2019 10:11:29 AM



#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	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

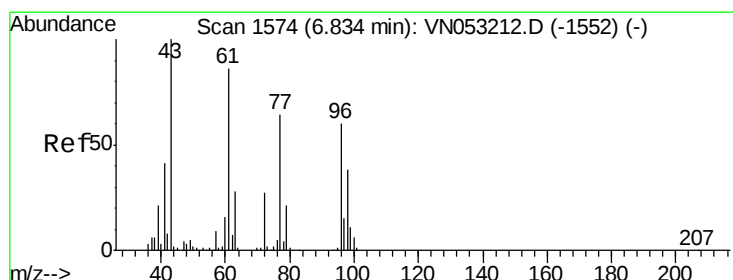
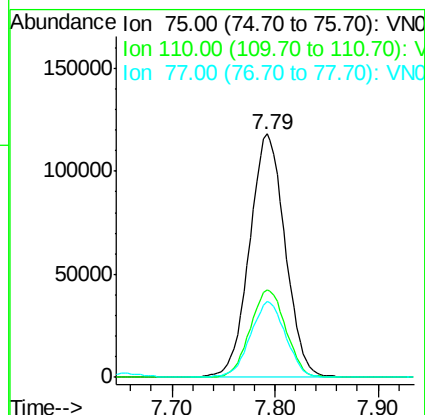
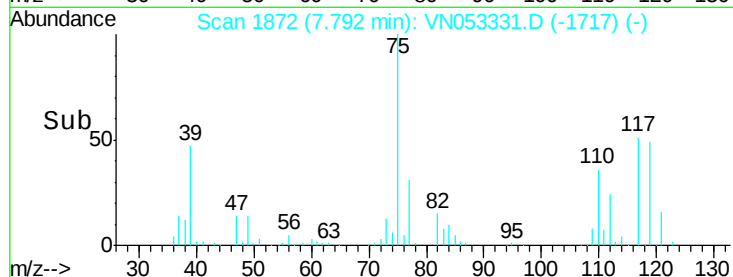
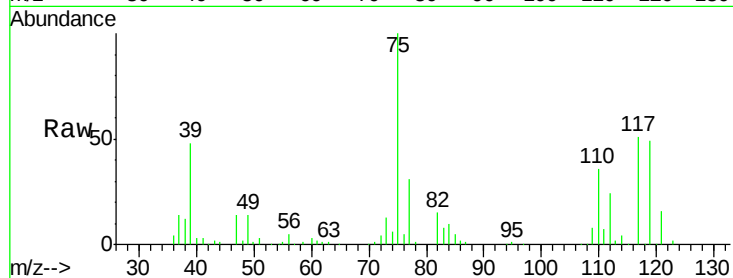
ClientSampleId :

VSTDCCC020

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

Manual Integrations
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#30

2-Butanone

Concen: 114.435 ug/l

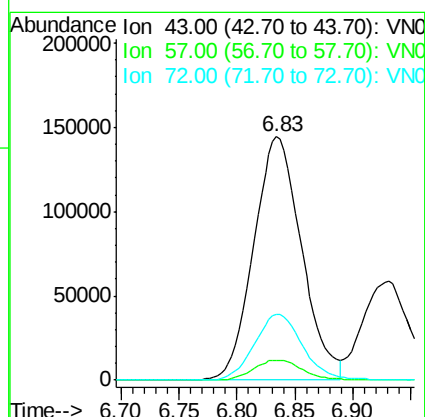
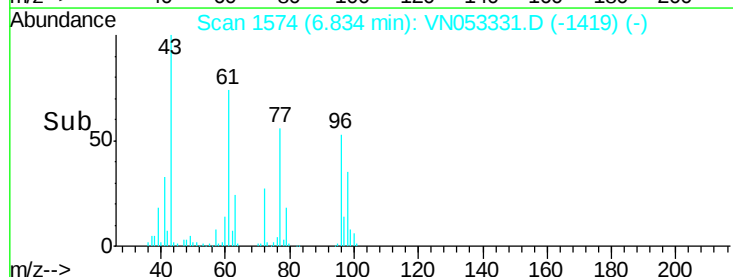
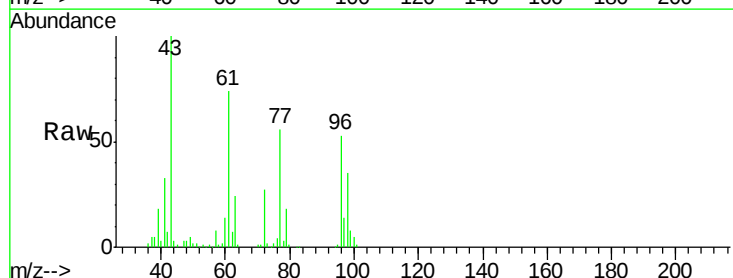
RT: 6.83 min Scan# 1574

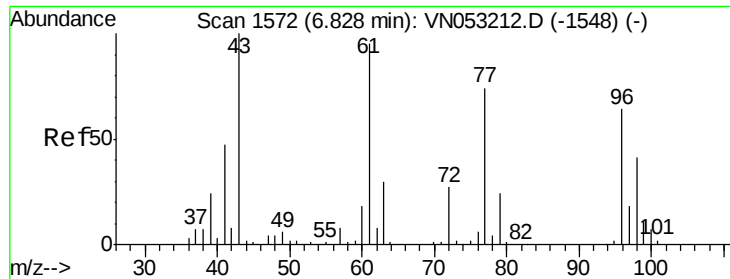
Delta R.T. -0.00 min

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





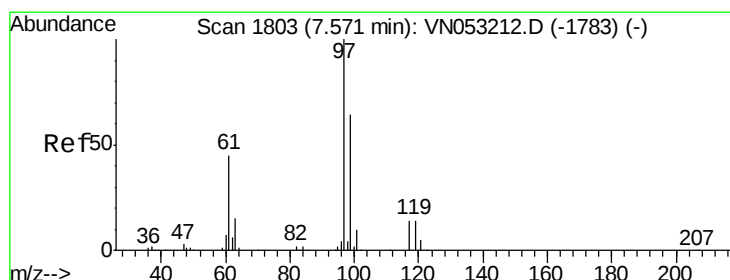
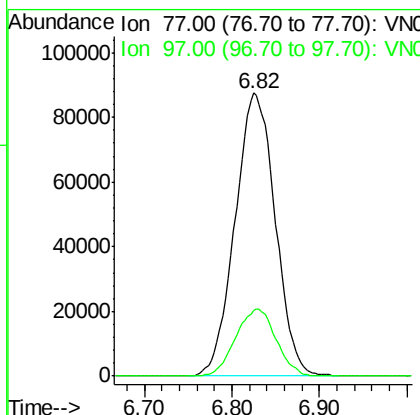
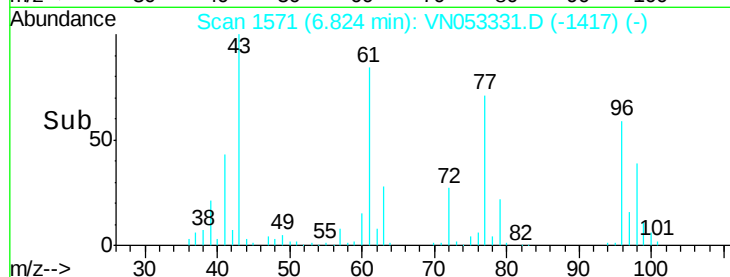
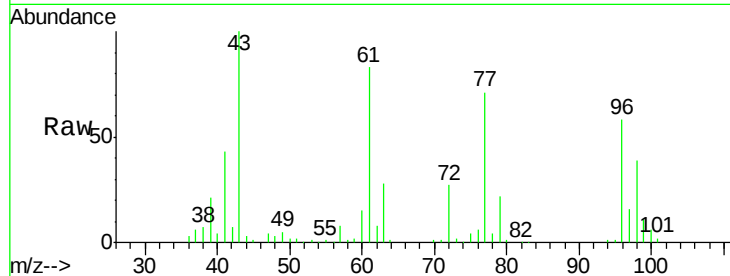
#31
 2,2-Dichloropropane
 Concen: 19.860 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

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

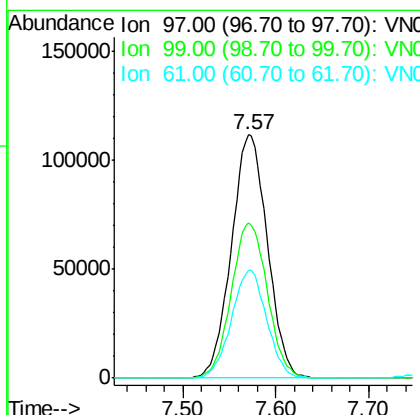
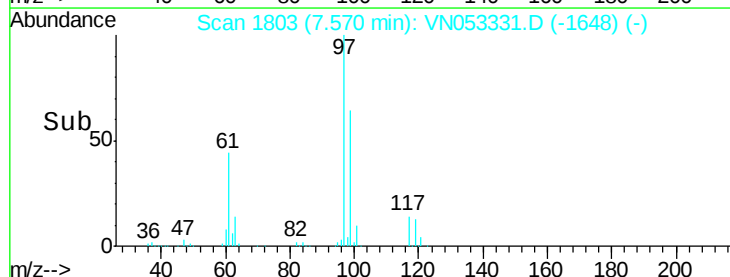
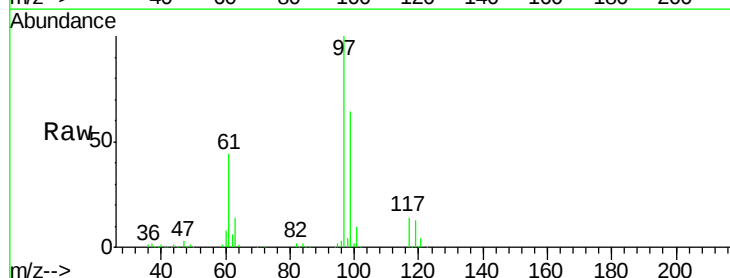
Manual Integrations
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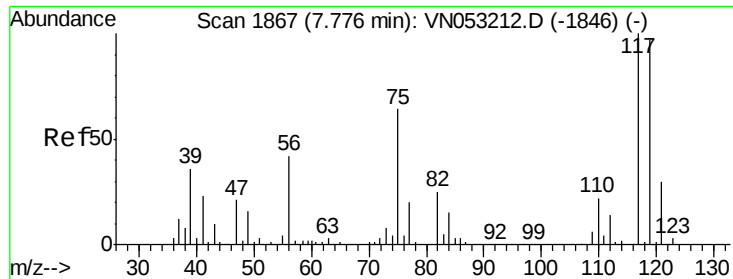
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.812 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

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

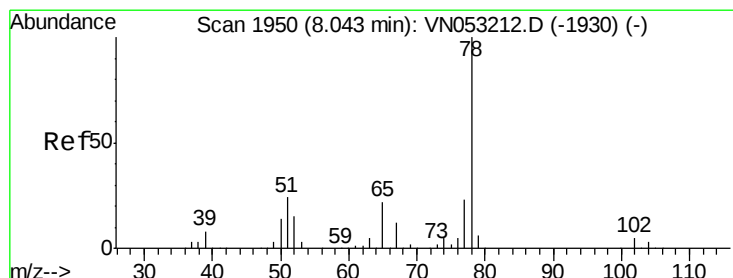
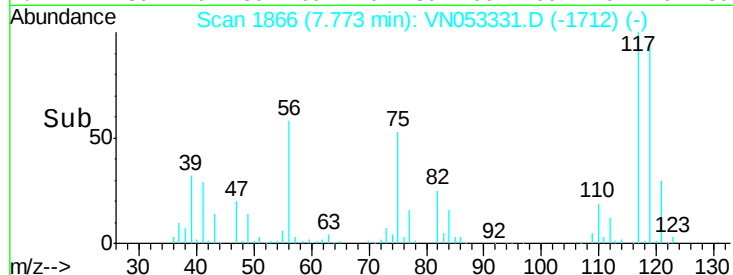
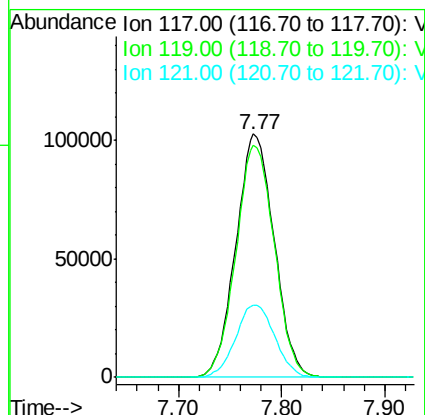
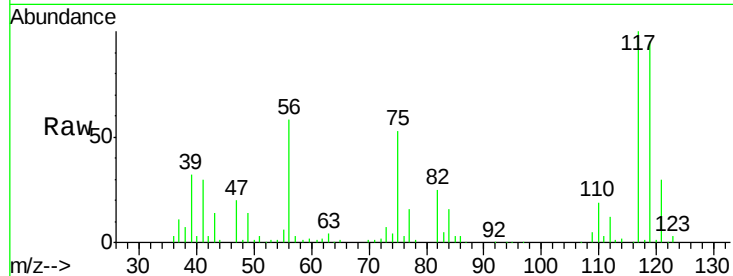
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.3	115.9
121	29.8	24.9	37.3

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#34

Benzene

Concen: 19.760 ug/l

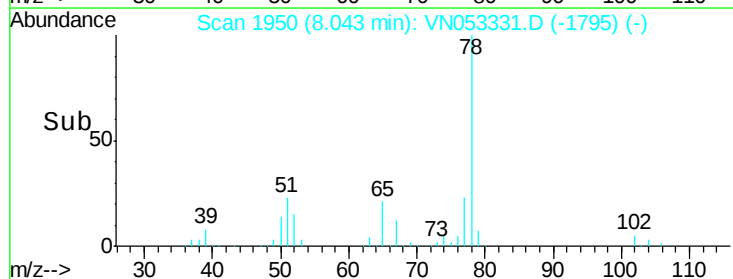
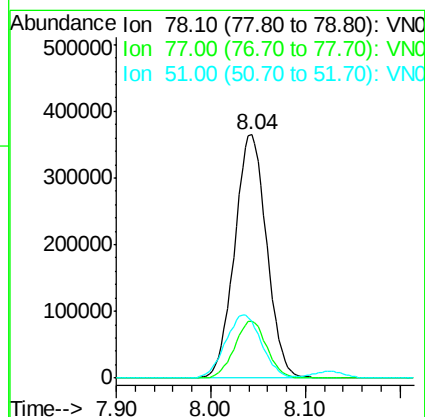
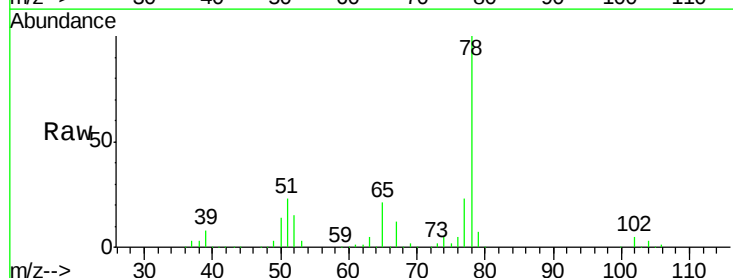
RT: 8.04 min Scan# 1950

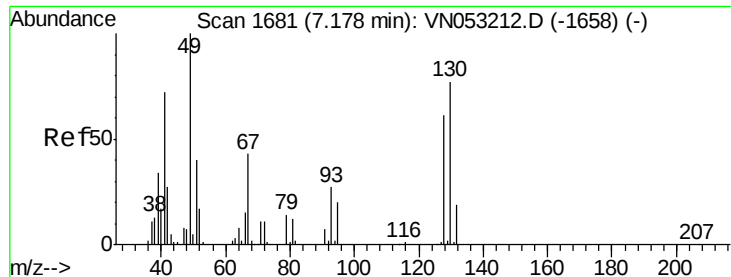
Delta R.T. -0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6
51	23.0	20.5	30.7





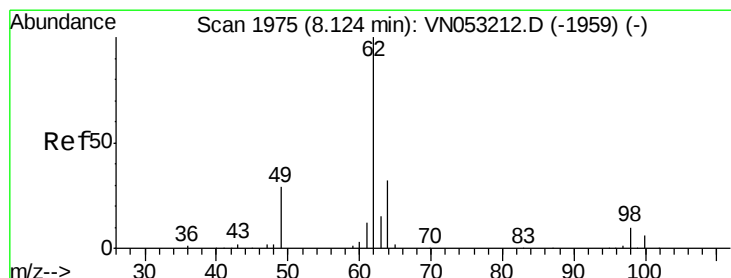
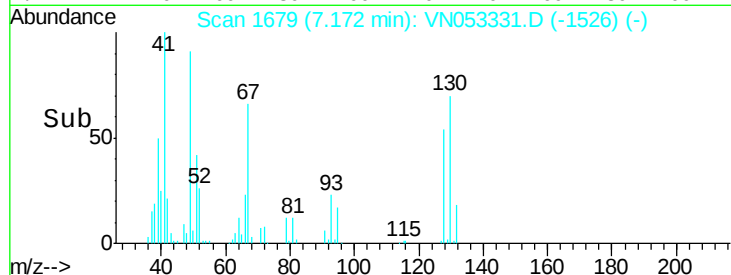
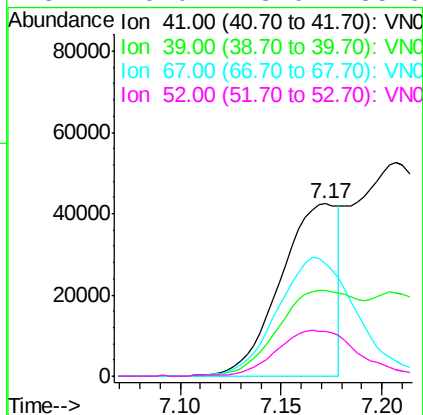
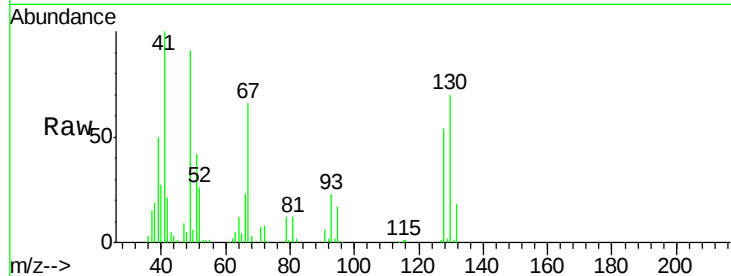
#35
Methacrylonitrile
Concen: 18.033 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot 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

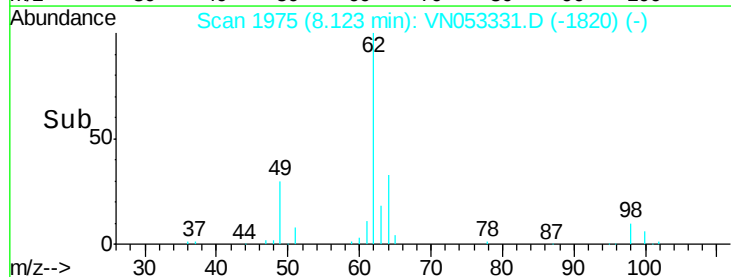
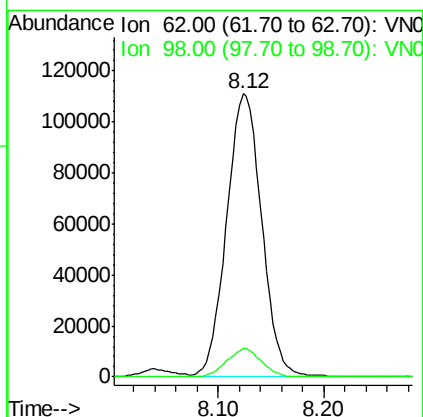
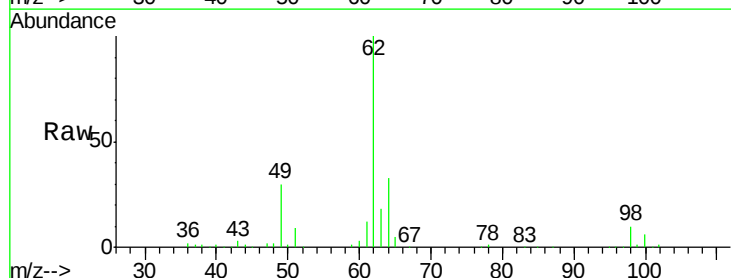
Manual Integrations
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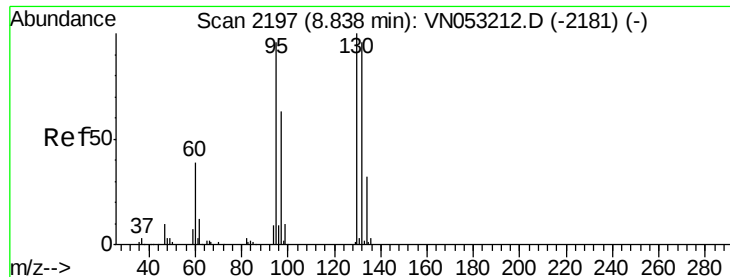
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#36
1,2-Dichloroethane
Concen: 20.170 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

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





#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

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 237003

Ion Ratio Lower Upper

130 100

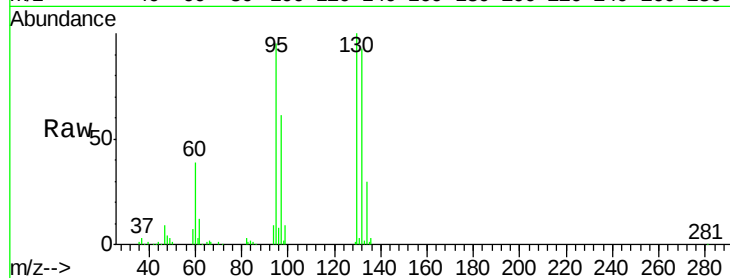
95 94.7 81.0 121.4

Manual Integrations

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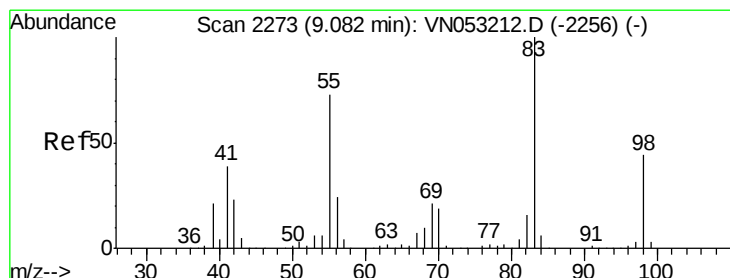
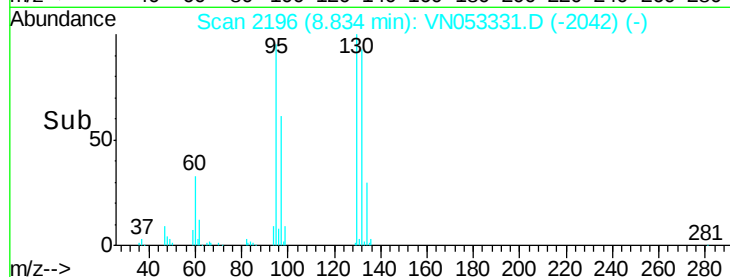
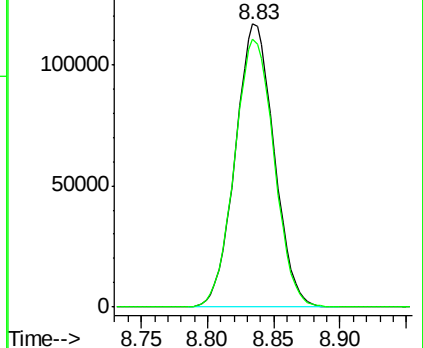
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#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

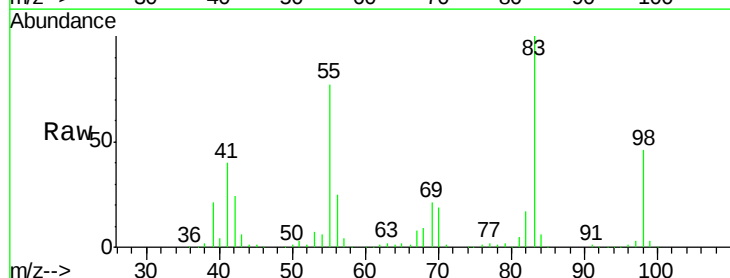
Tgt Ion: 83 Resp: 358210

Ion Ratio Lower Upper

83 100

55 75.4 39.8 119.4

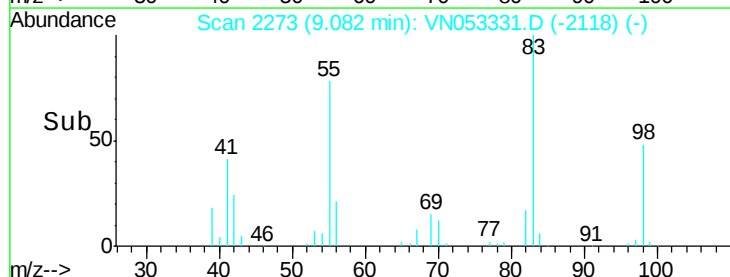
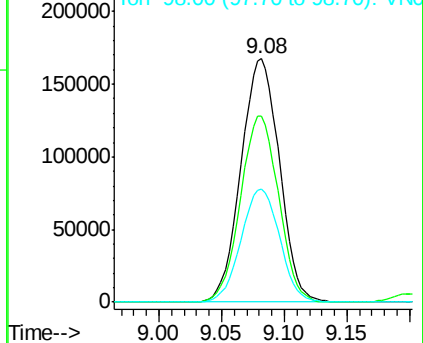
98 46.6 22.9 68.5

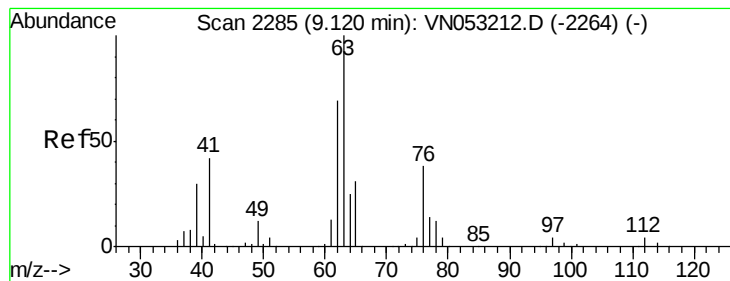


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#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

Tot Ion: 63 Resp: 227478

Ion Ratio Lower Upper

63 100

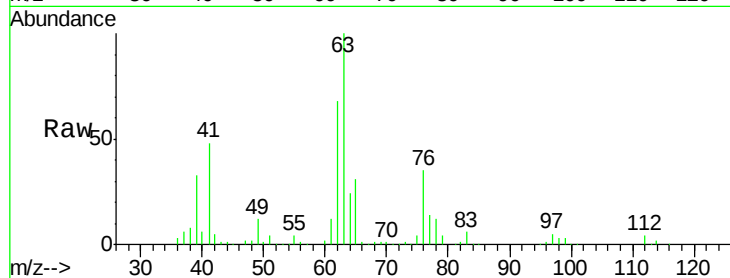
65 31.2 23.6 35.4

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

120000

100000

80000

60000

40000

20000

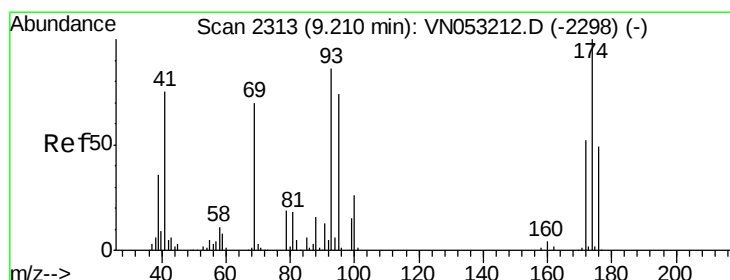
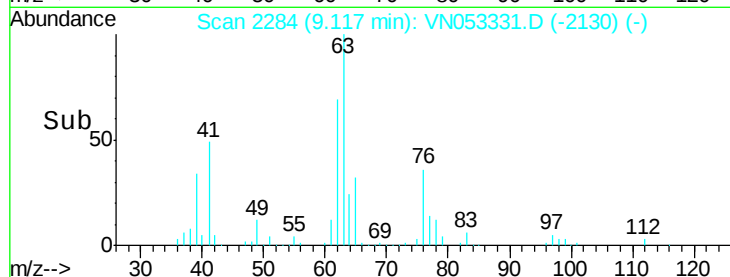
0

9.12

9.10

9.20

Time-->



#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

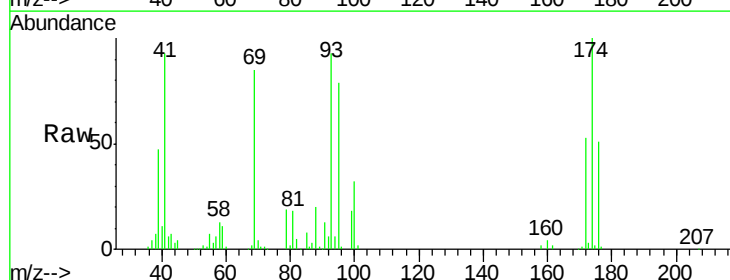
Tgt Ion: 93 Resp: 129299

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): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

100000

80000

60000

40000

20000

0

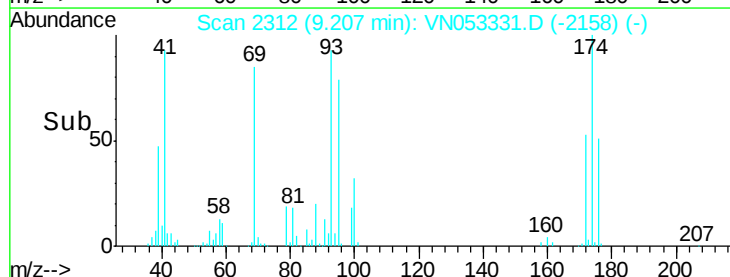
9.21

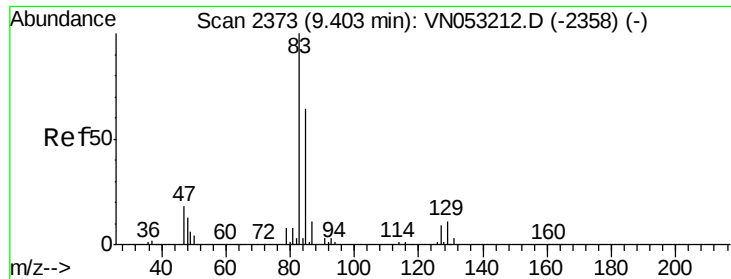
9.15

9.25

9.30

Time-->





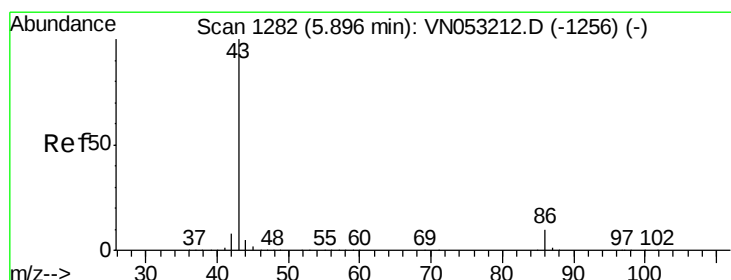
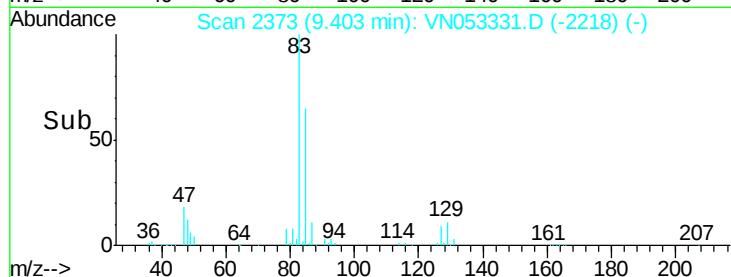
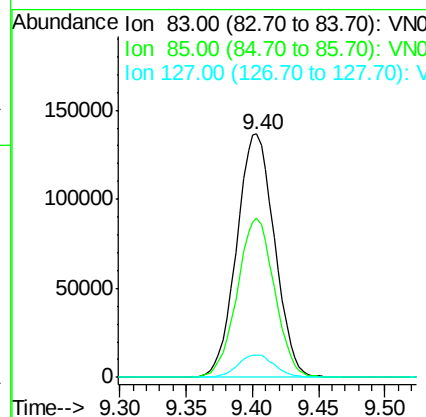
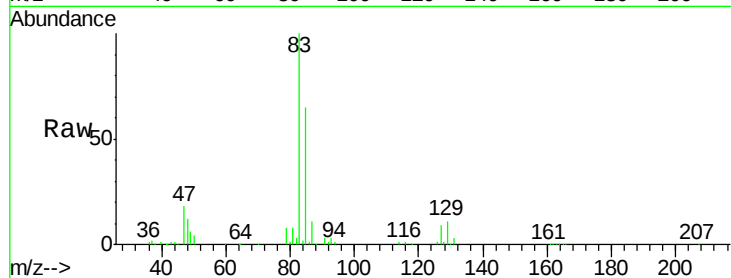
#41
Bromodichloromethane
Concen: 19.693 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	271809
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	9.3	6.6	9.8

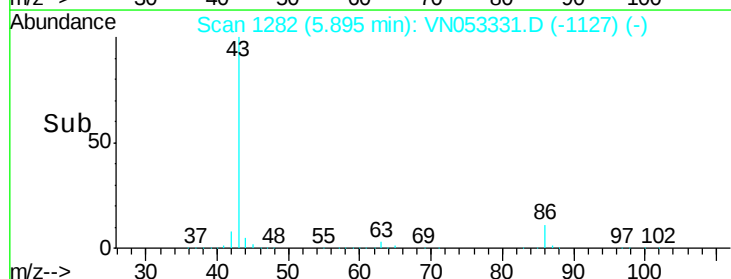
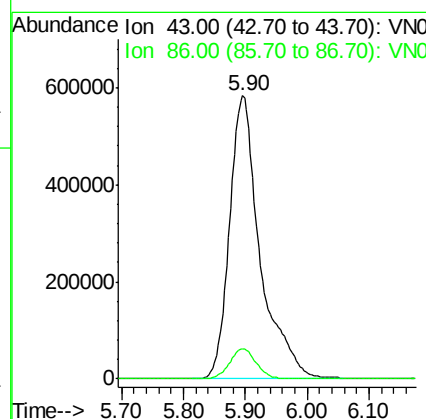
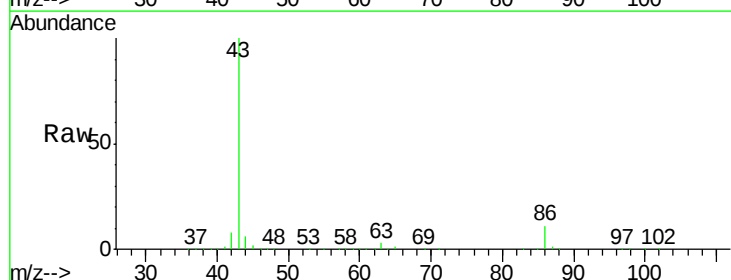
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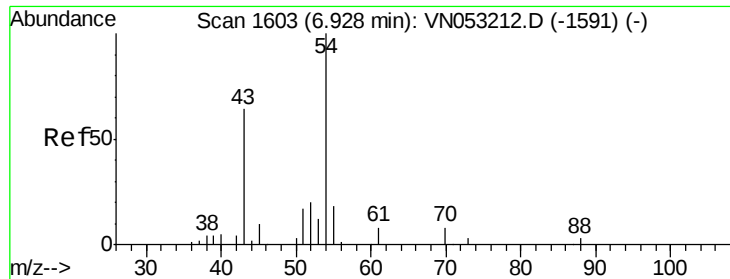
MMDadoda
1/11/2019 10:11:29 AM



#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	100	Lower	Upper
43	100		
86	9.1	6.5	9.7





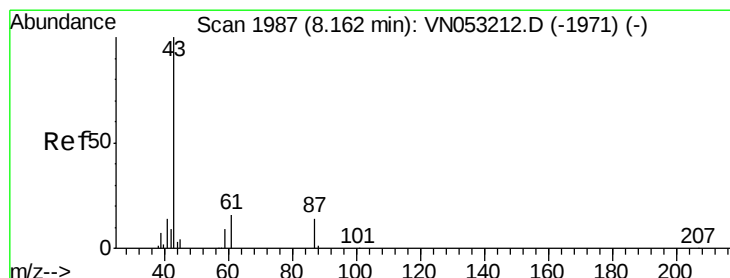
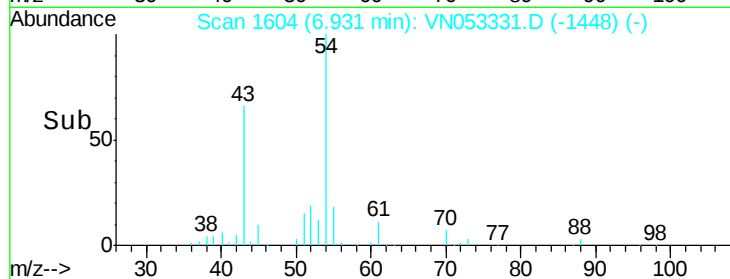
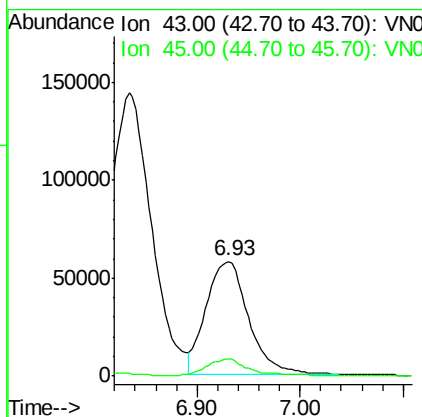
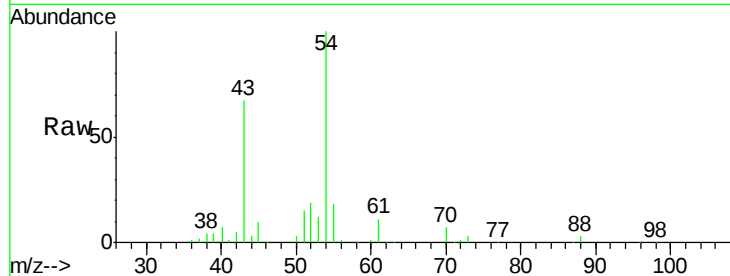
#43
Ethyl Acetate
Concen: 20.430 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper
164841	100	14.6		1.0	1.6#

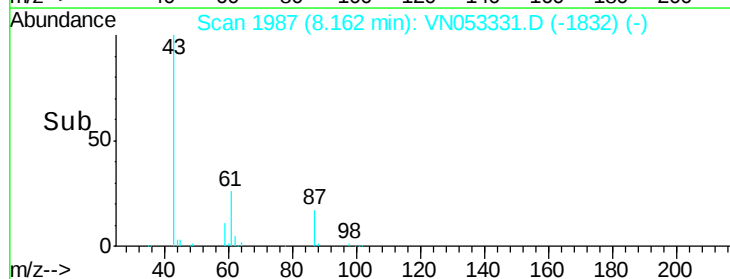
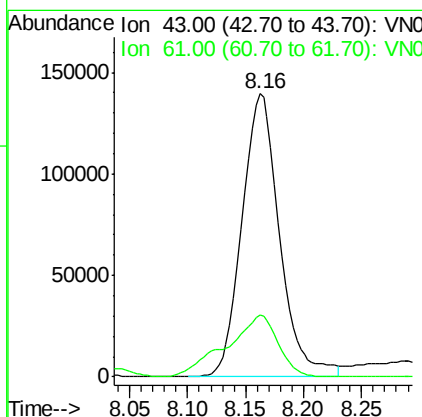
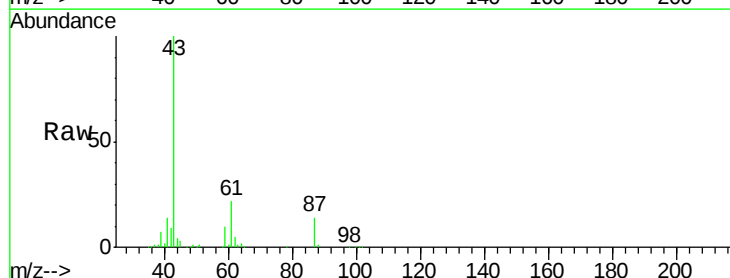
Manual Integrations
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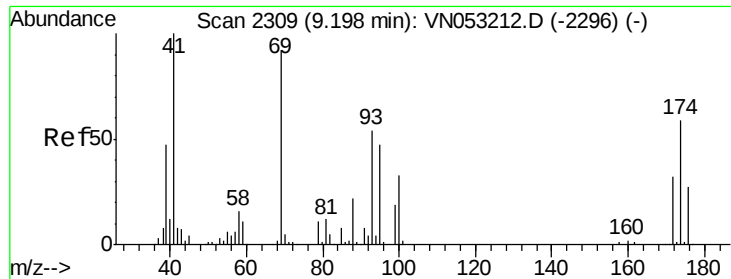
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.891 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

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





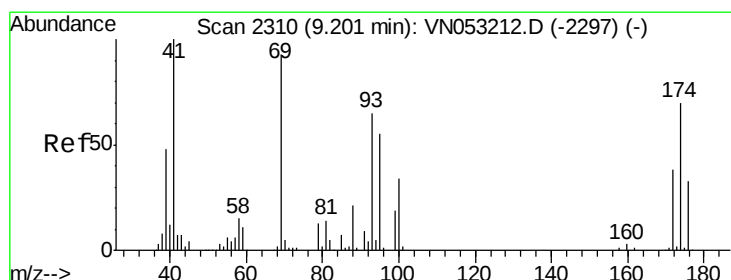
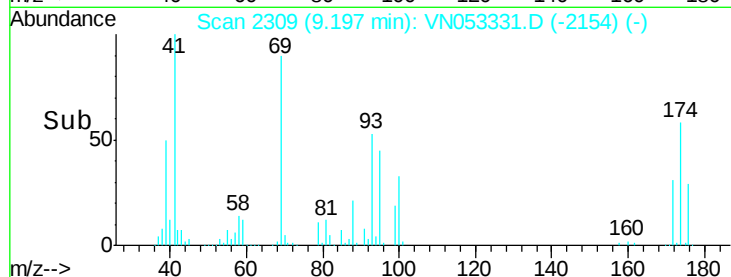
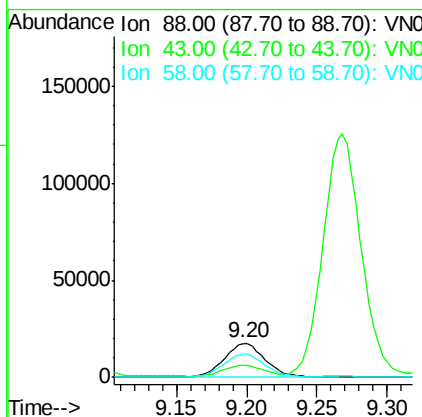
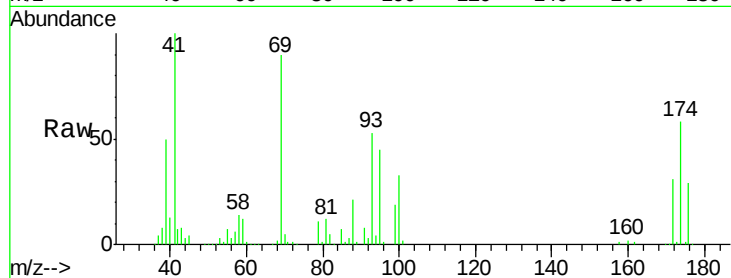
#45
 1,4-Dioxane
 Concen: 385.149 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.5	44.3
58	70.6	61.5	92.3

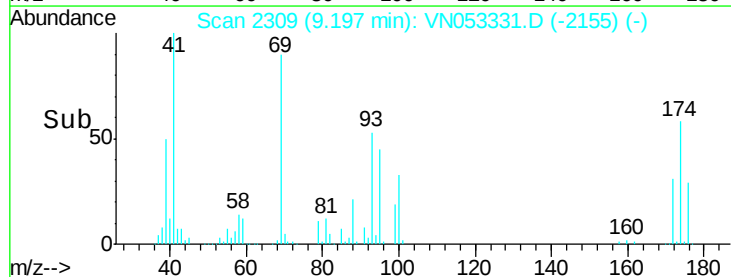
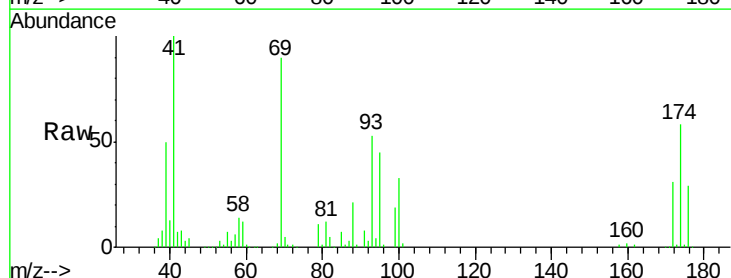
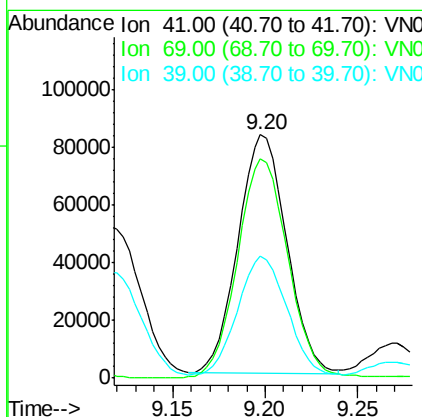
Manual Integrations
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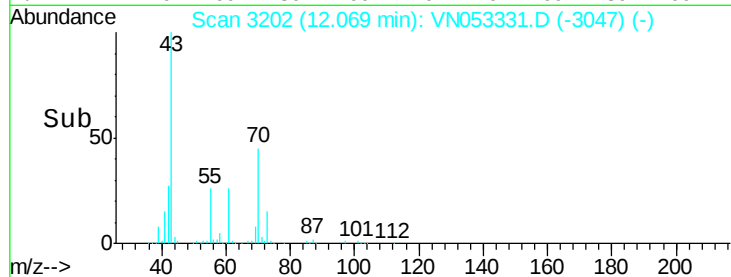
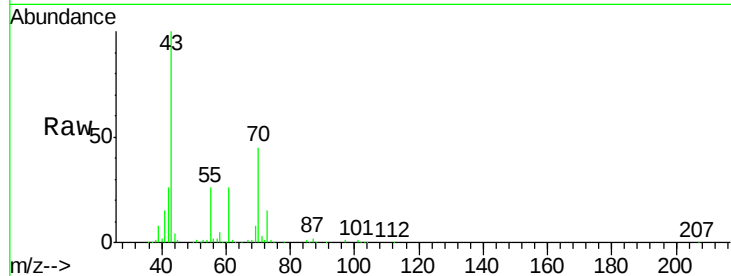
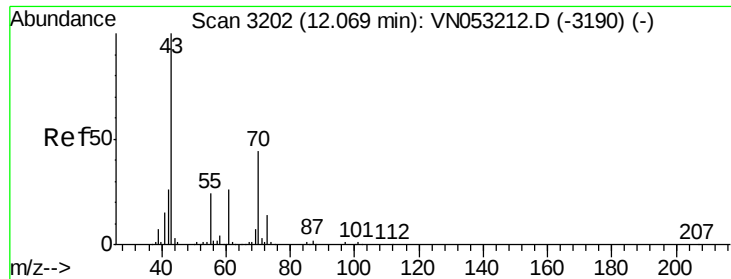
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#46
 Methyl methacrylate
 Concen: 19.895 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

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





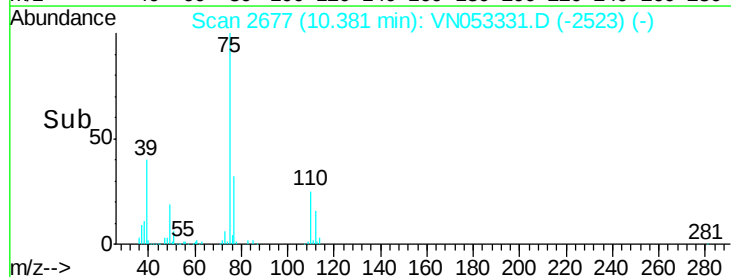
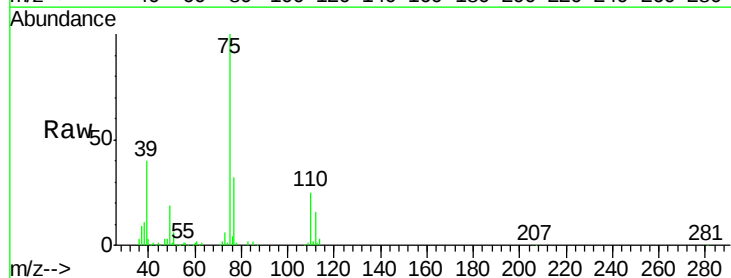
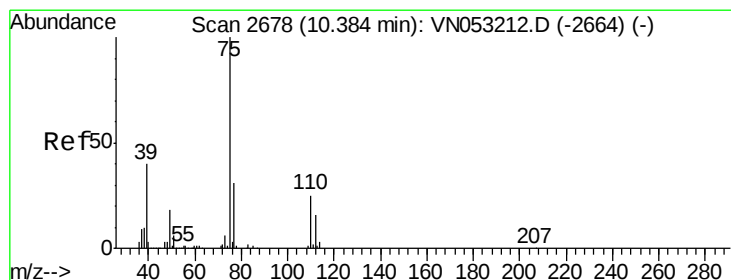
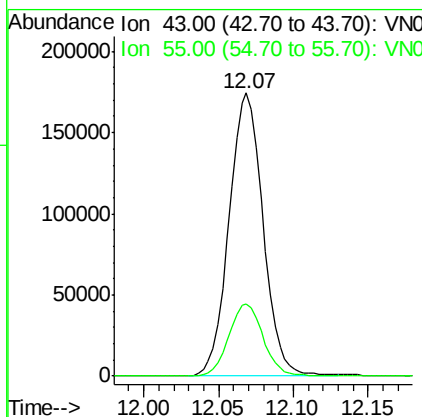
#47
n-amvl Acetate
Concen: 20.737 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

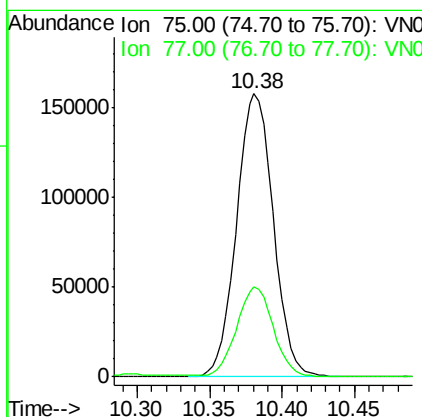
Manual Integrations
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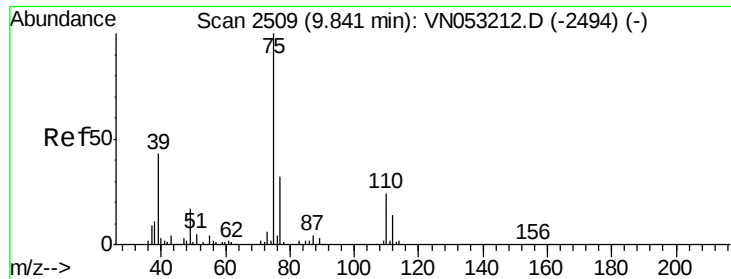
MMDadoda
1/11/2019 10:11:29 AM



#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





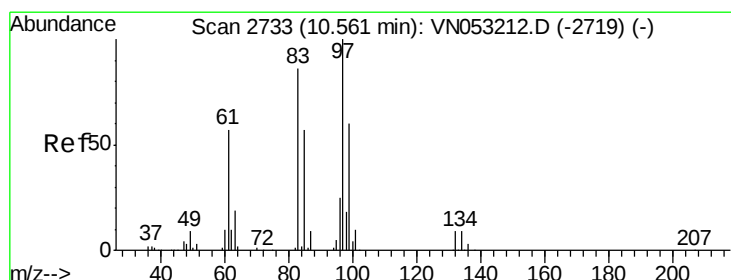
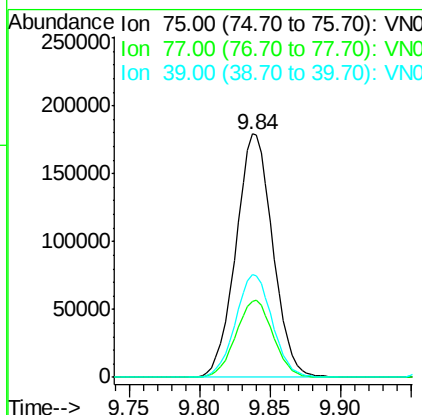
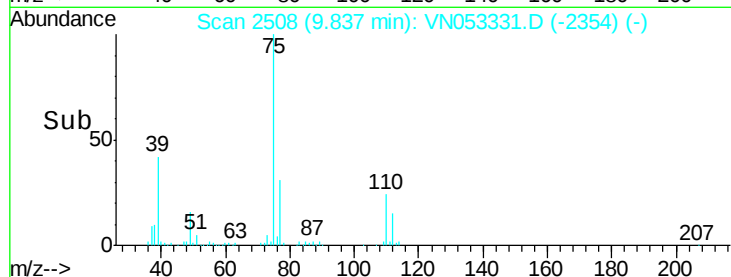
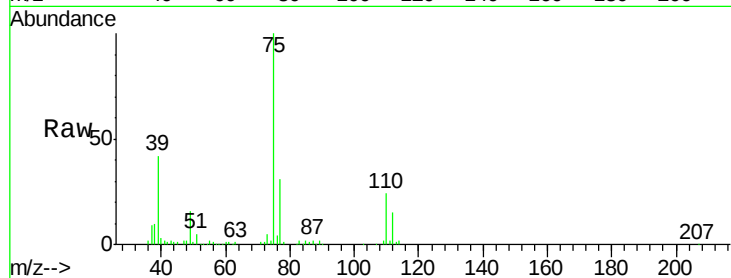
#49
 cis-1,3-Dichloropropene
 Concen: 19.834 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	42.0	37.3	55.9

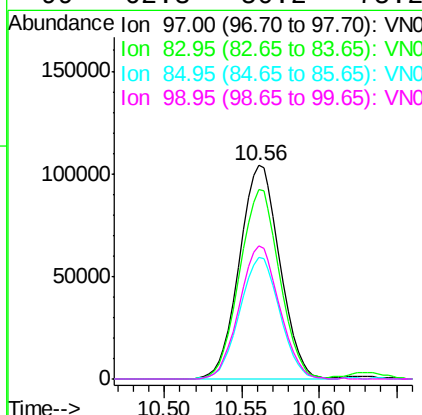
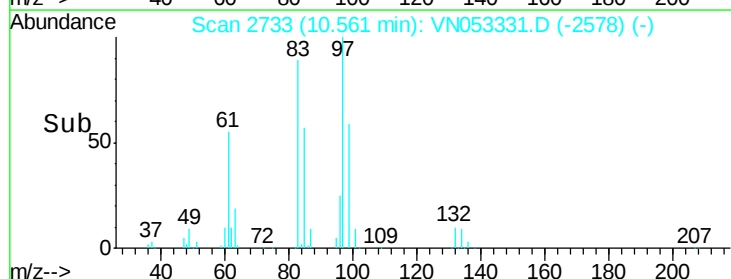
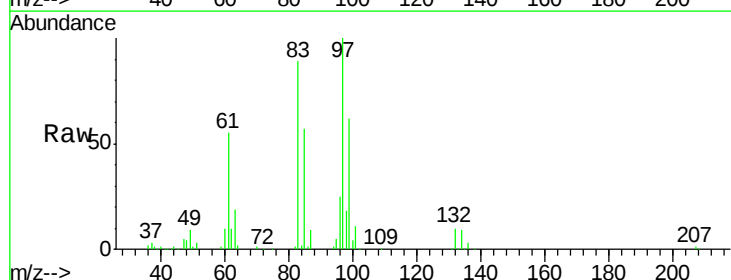
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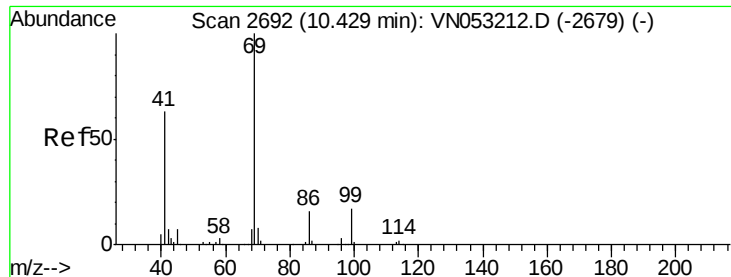
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#50
 1,1,2-Trichloroethane
 Concen: 20.556 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion	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

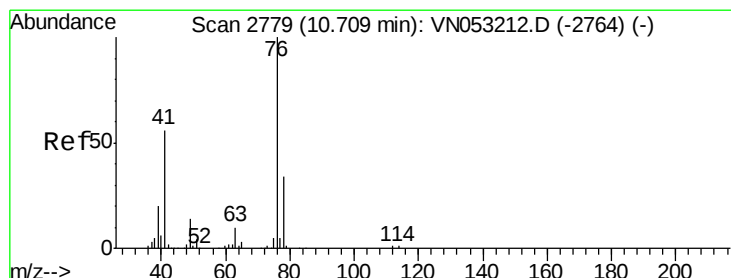
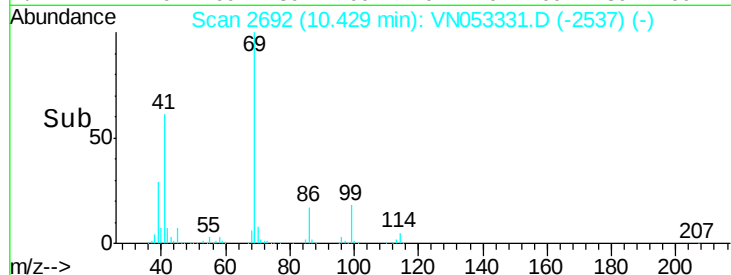
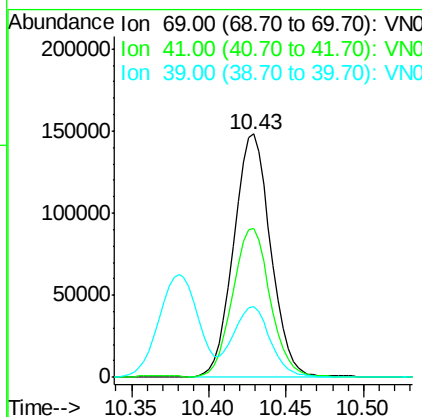
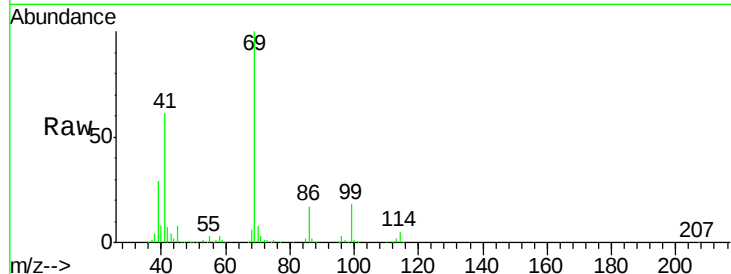
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	246660
Ion Ratio	Lower	Upper	
69	100		
41	60.7	34.4	103.3
39	28.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.414 ug/l

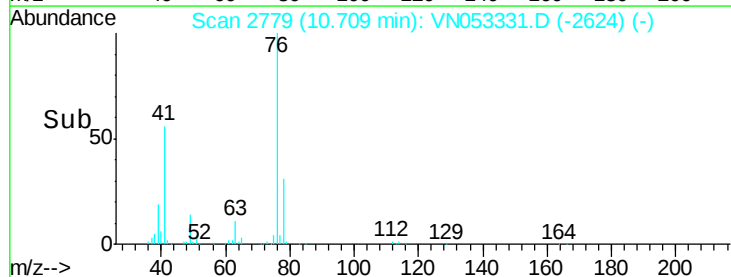
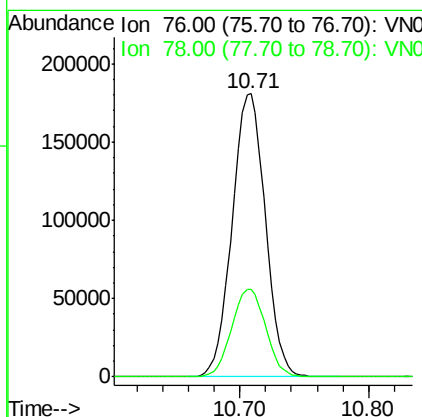
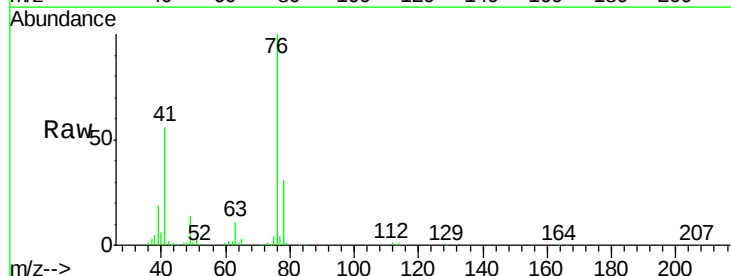
RT: 10.71 min Scan# 2779

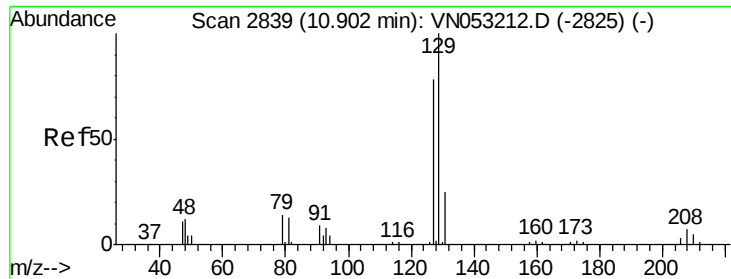
Delta R.T. -0.00 min

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





#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

ClientSampled :

VSTDCCC020

Tot Ion:129 Resp: 210118

Ion Ratio Lower Upper

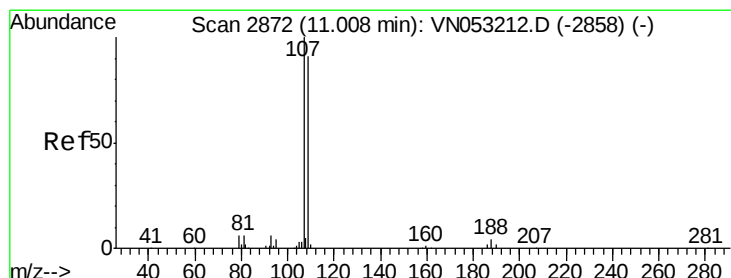
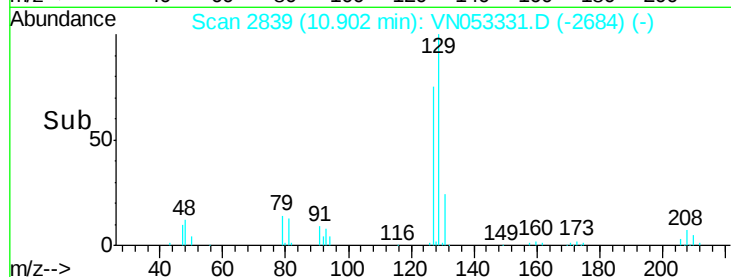
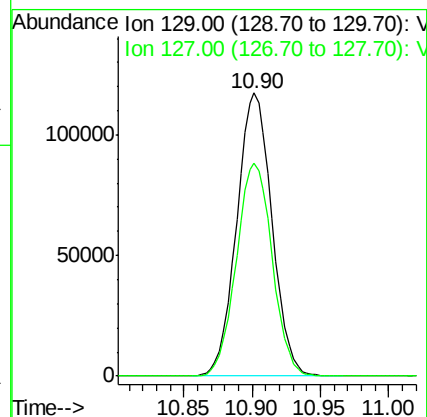
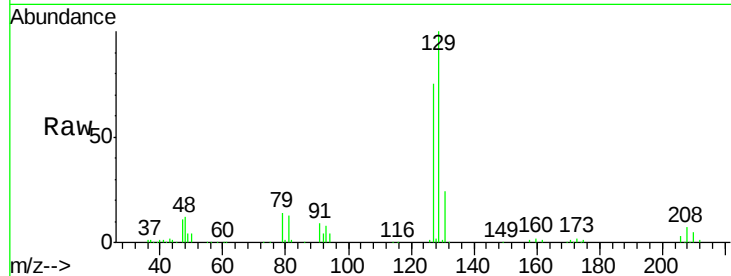
129 100

127 76.5 37.6 112.8

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#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

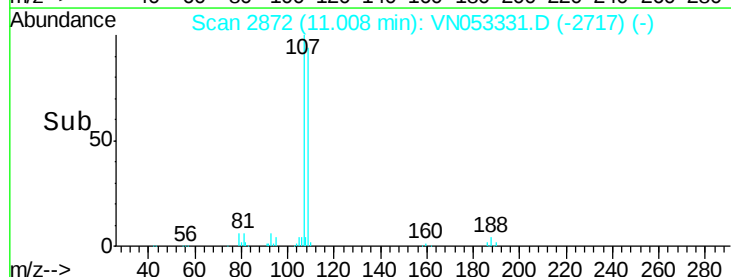
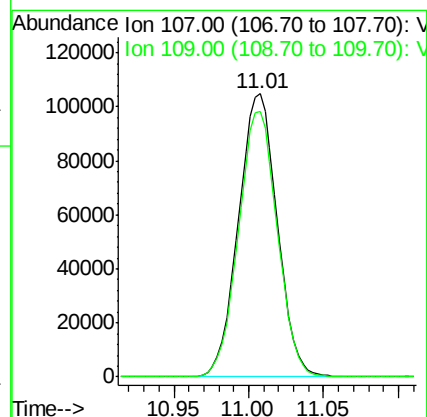
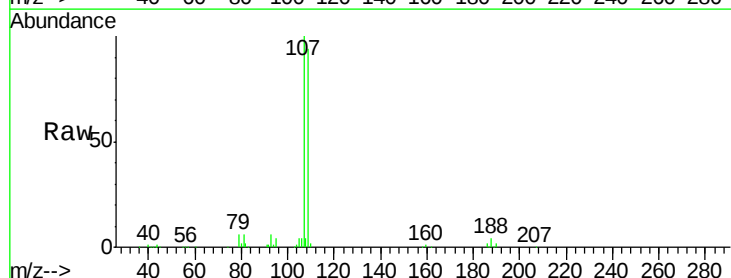
Acq: 10 Jan 2019 9:03

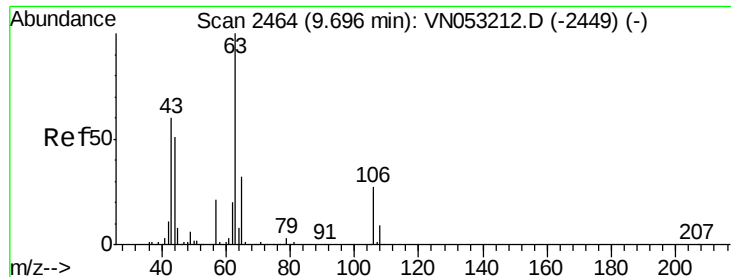
Tgt Ion:107 Resp: 188655

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

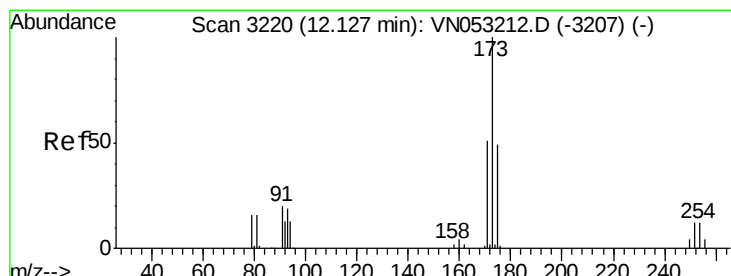
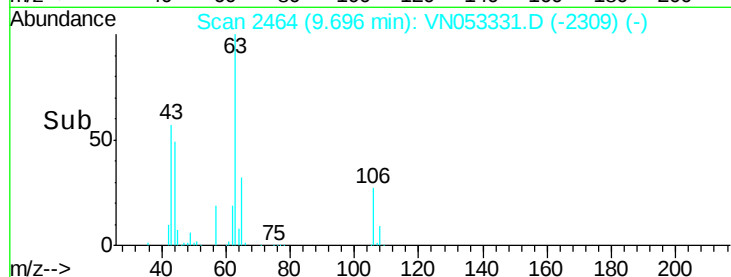
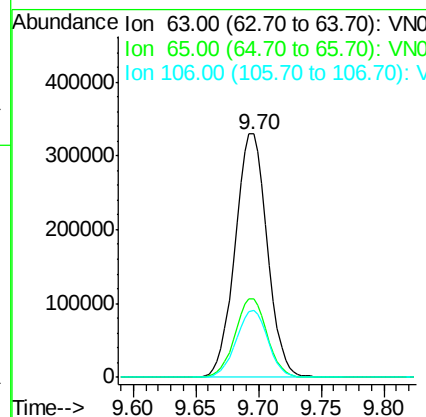
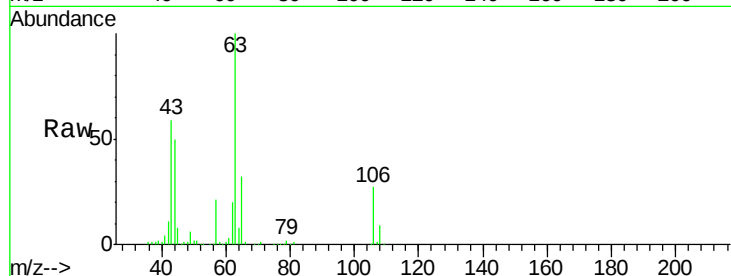
ClientSampleId :

VSTDCCC020

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

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#56

Bromoform

Concen: 20.545 ug/l

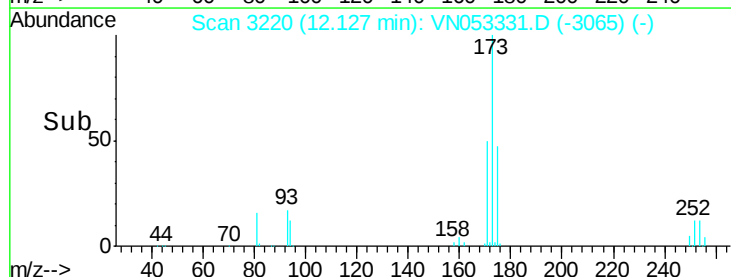
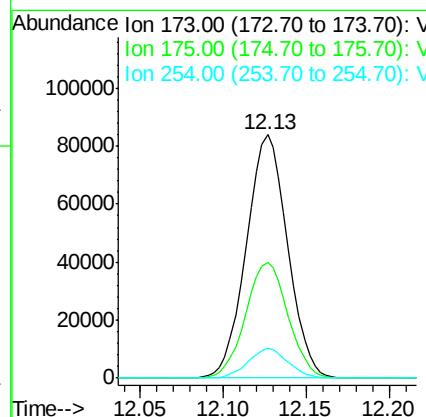
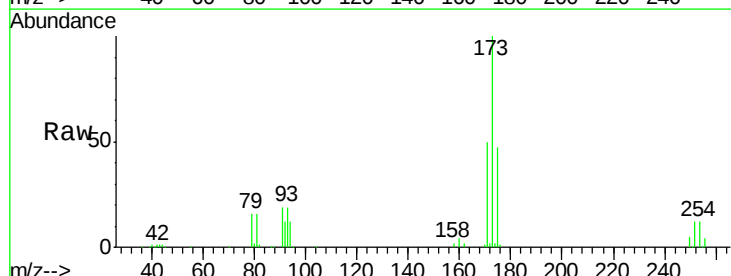
RT: 12.13 min Scan# 3220

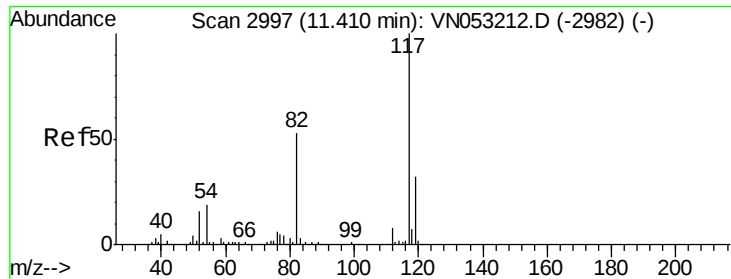
Delta R.T. -0.00 min

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

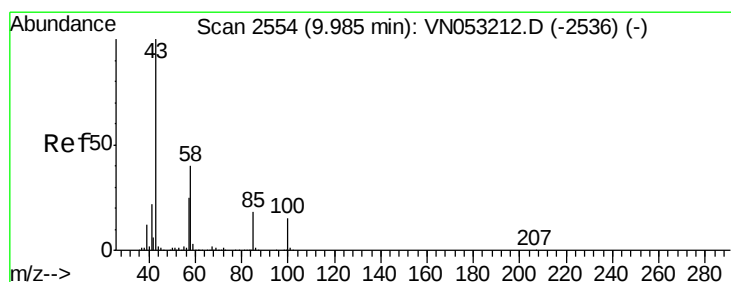
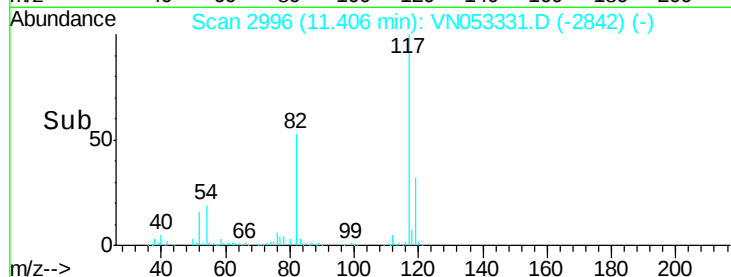
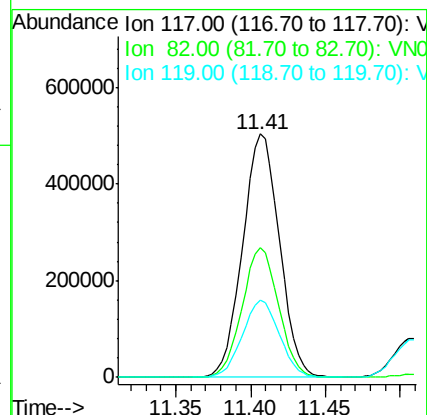
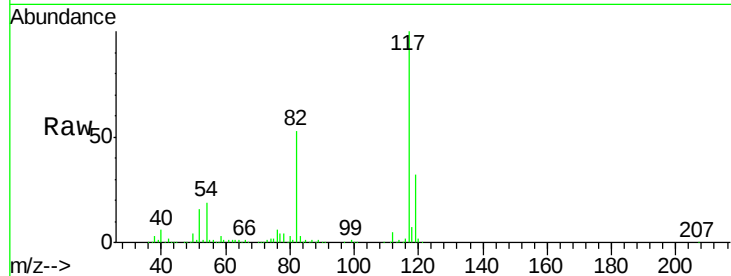
ClientSampleId :

VSTDCCC020

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

Manual Integrations
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#58

4-Methyl-2-Pentanone

Concen: 107.034 ug/l

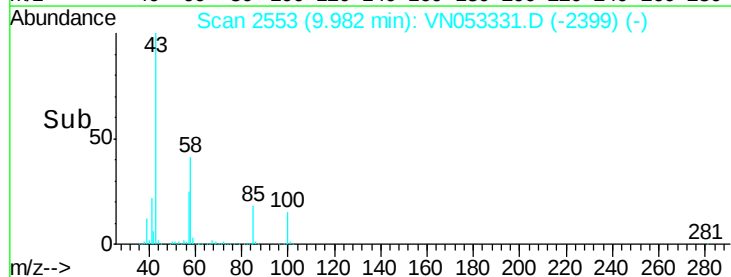
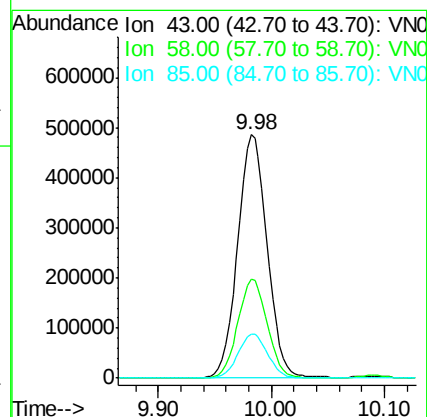
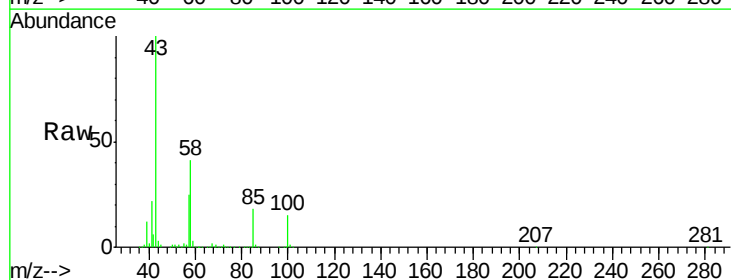
RT: 9.98 min Scan# 2553

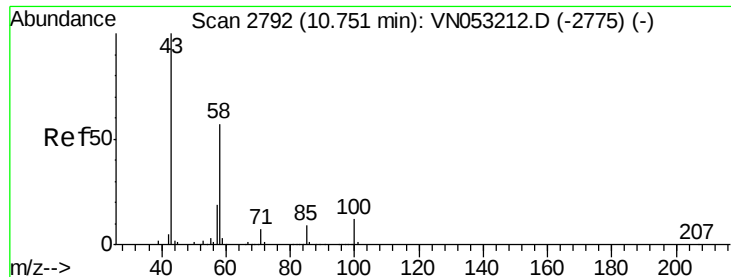
Delta R.T. -0.00 min

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





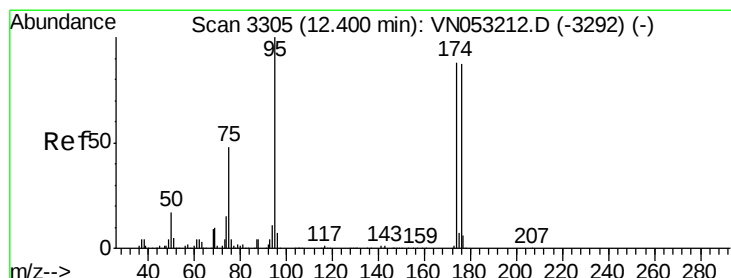
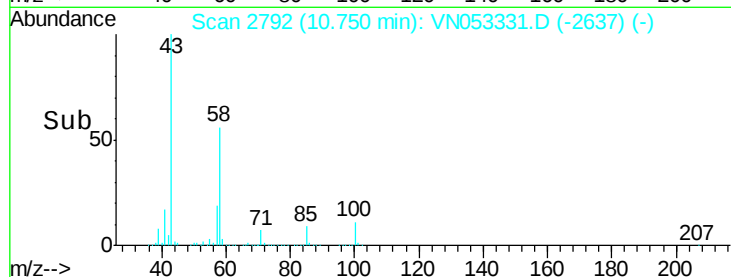
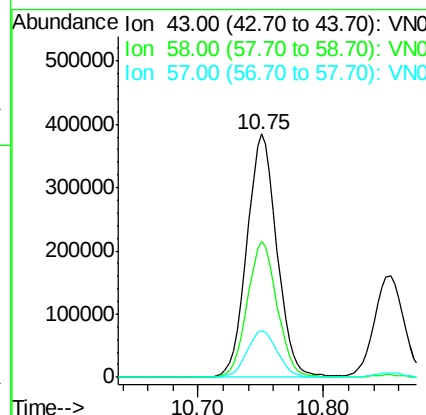
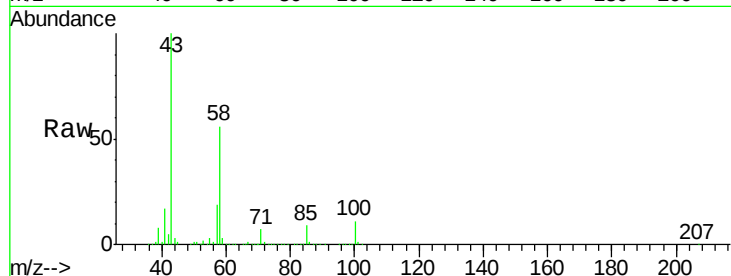
#59
2-Hexanone
Concen: 112.770 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.2	64.8
57	19.5	14.9	22.3

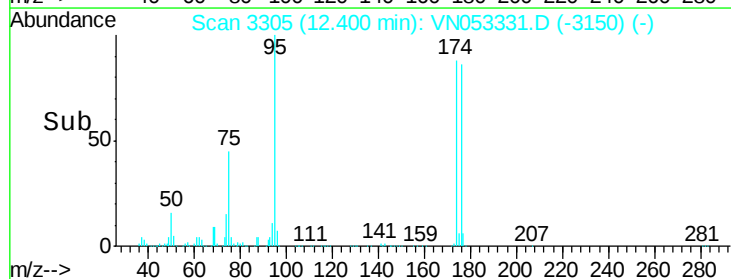
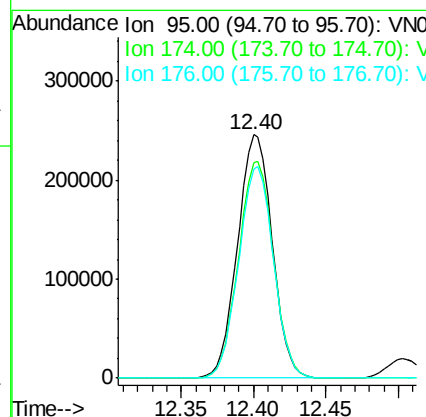
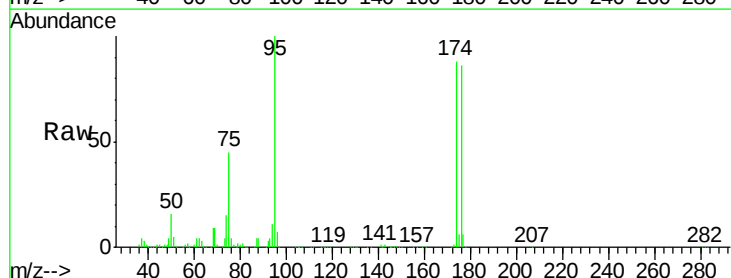
Manual Integrations
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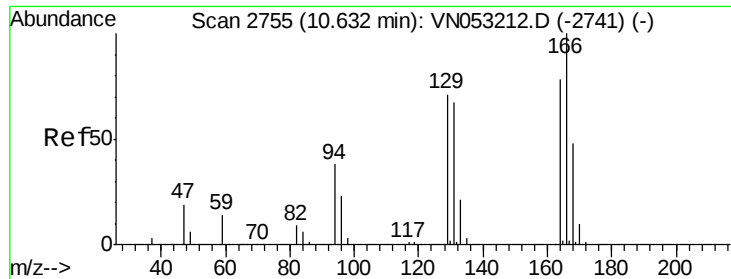
MMDadoda
1/11/2019 10:11:29 AM



#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	Ratio	Lower	Upper
95	100		
174	89.8	67.9	101.9
176	87.2	66.4	99.6





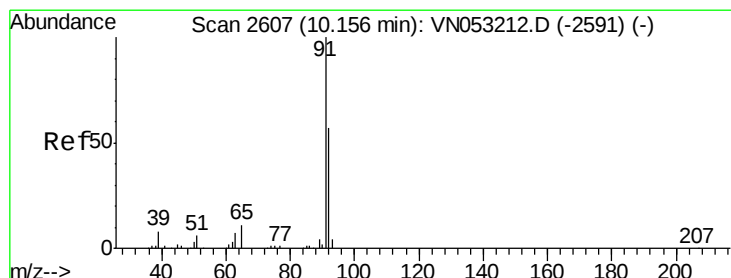
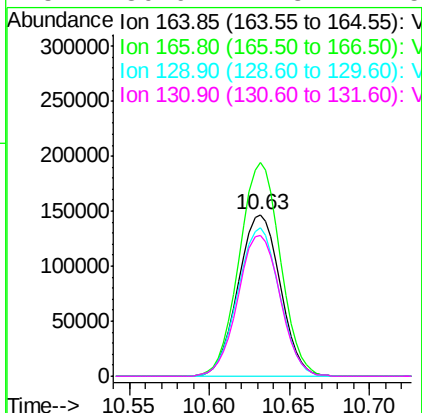
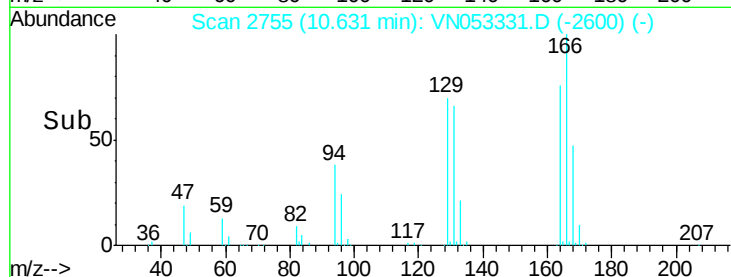
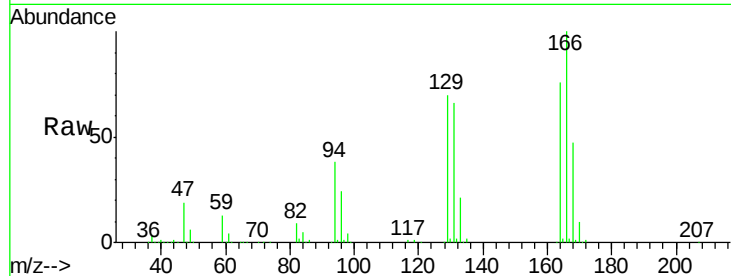
#61
Tetrachloroethene
Concen: 20.710 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot 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

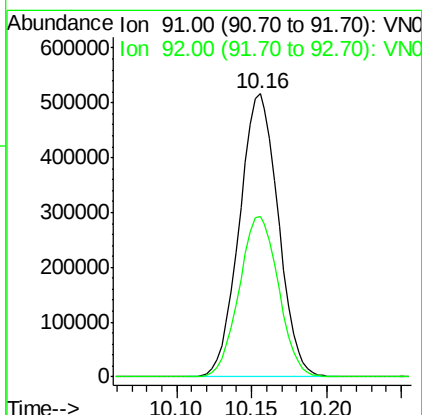
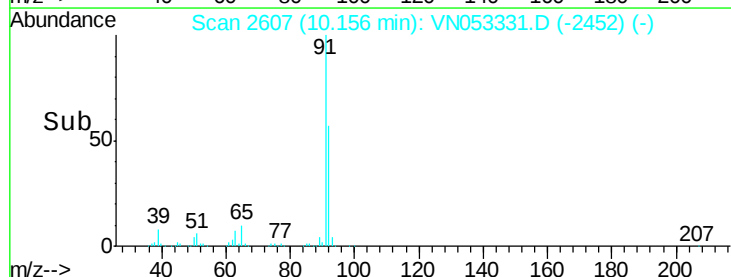
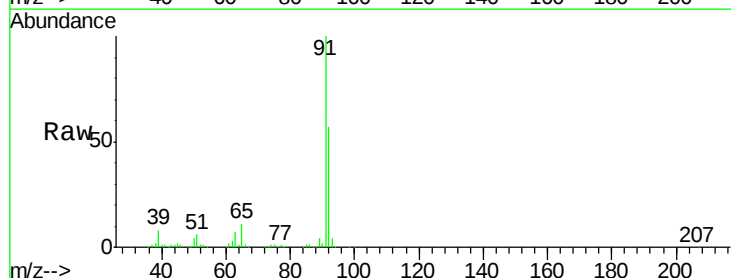
Manual Integrations
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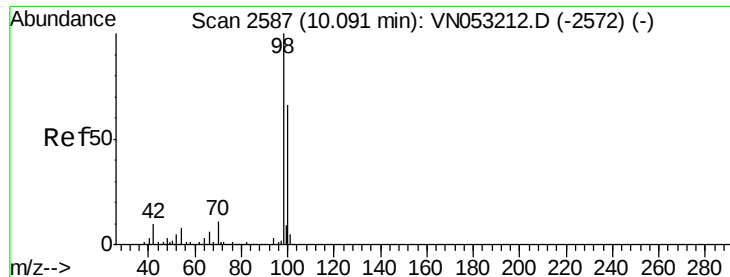
MMDadoda
1/11/2019 10:11:29 AM



#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	Ratio	Lower	Upper
91	100		
92	57.4	45.4	68.2





#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

Tot Ion: 98 Resp: 1154231

Ion Ratio Lower Upper

98 100

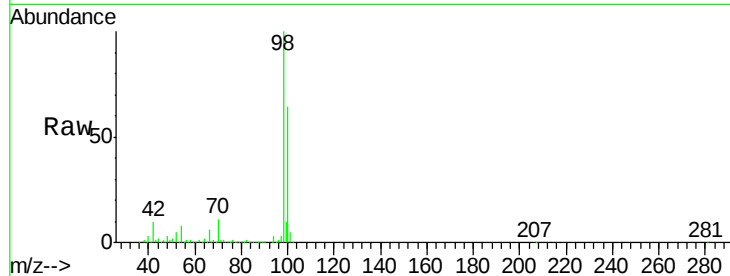
100 64.2 51.1 76.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN053331.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN053331.D (-2432) (-)

10.09

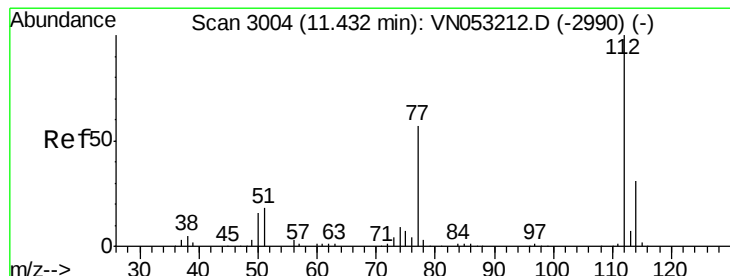
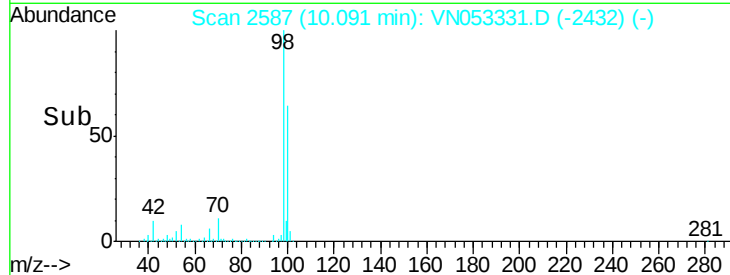
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 20.023 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053331.D

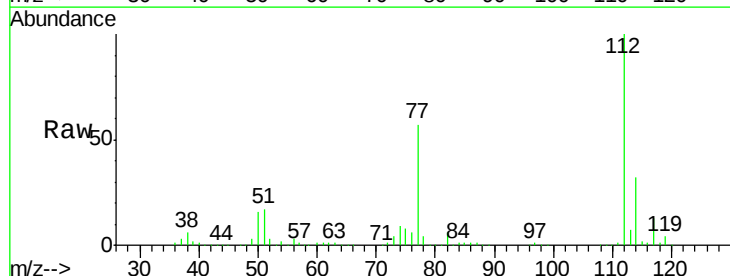
Acq: 10 Jan 2019 9:03

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) (-)

11.43

400000

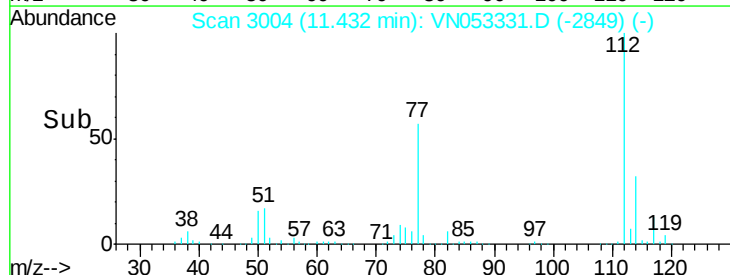
300000

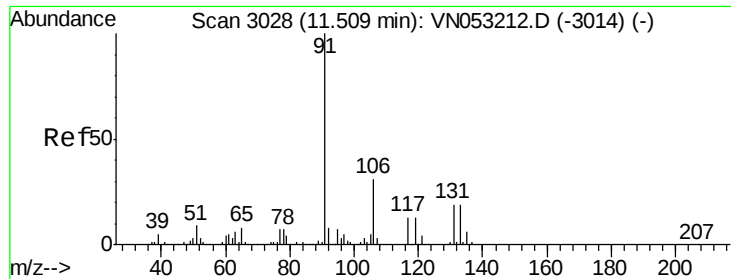
200000

100000

0

Time-->





#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

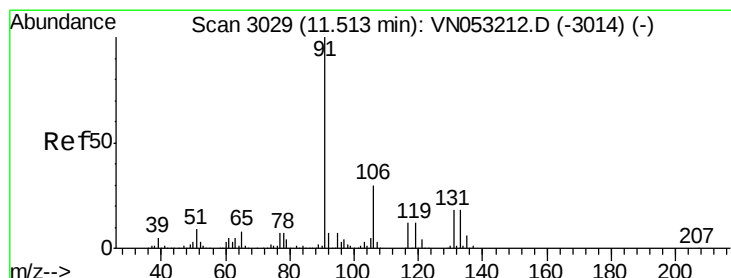
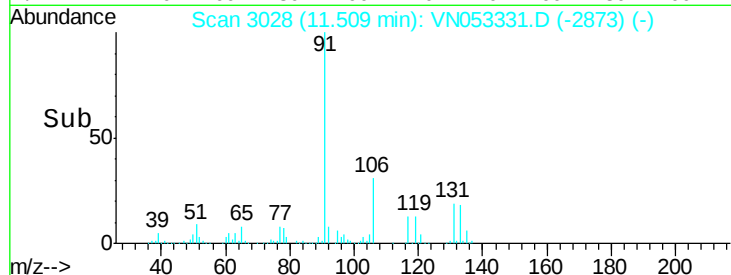
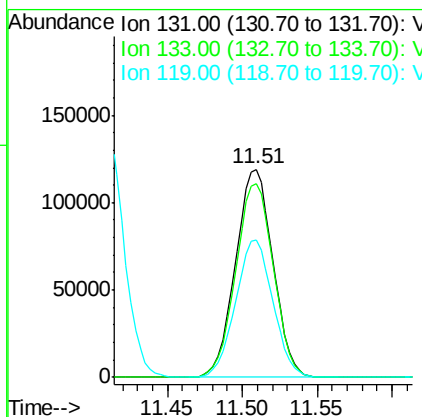
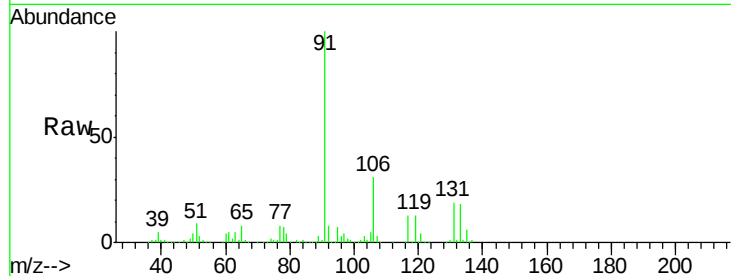
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	206816
Ion Ratio	Lower	Upper	
131	100		
133	94.2	0.0	193.4
119	66.0	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.004 ug/l

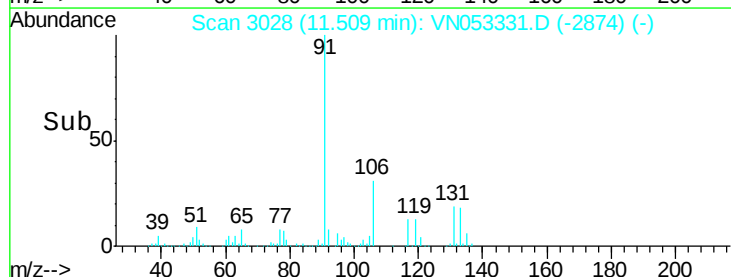
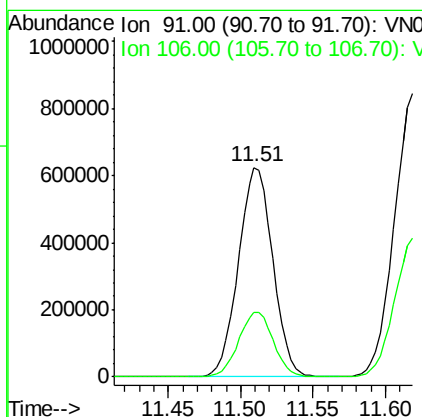
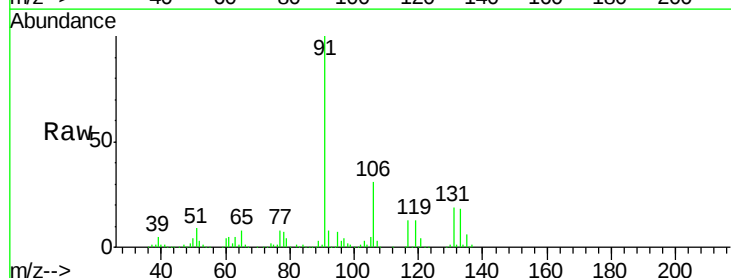
RT: 11.51 min Scan# 3028

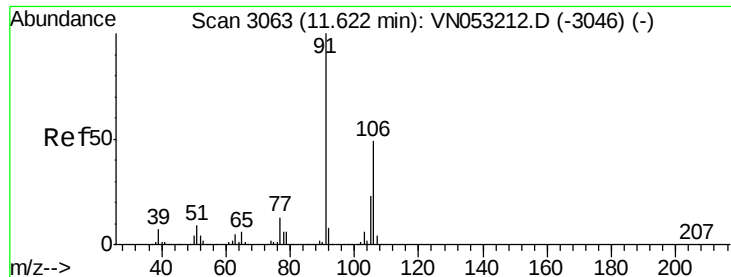
Delta R.T. -0.00 min

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





#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

Tot Ion:106 Resp: 794608

Ion Ratio Lower Upper

106 100

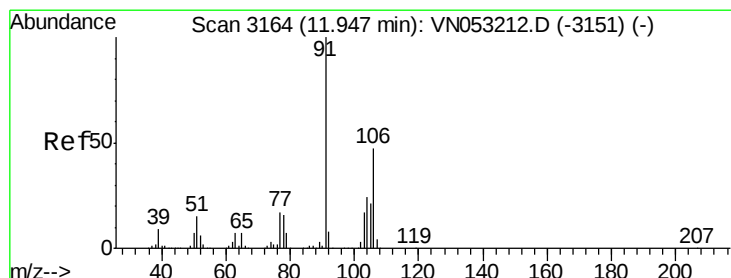
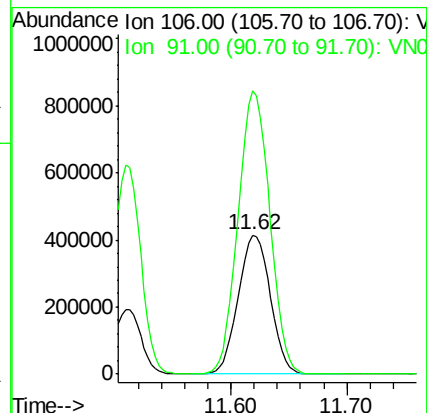
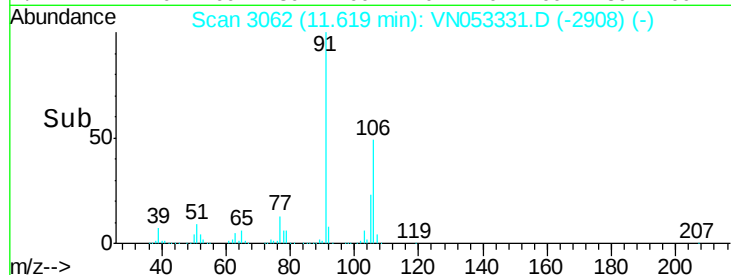
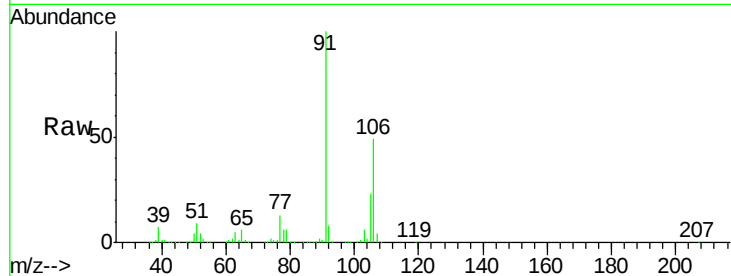
91 201.2 163.9 245.9

Manual Integrations

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#68

o-Xylene

Concen: 20.160 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053331.D

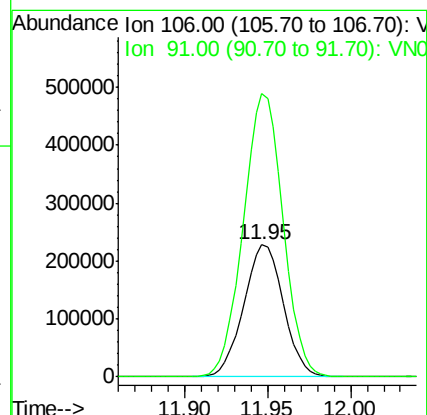
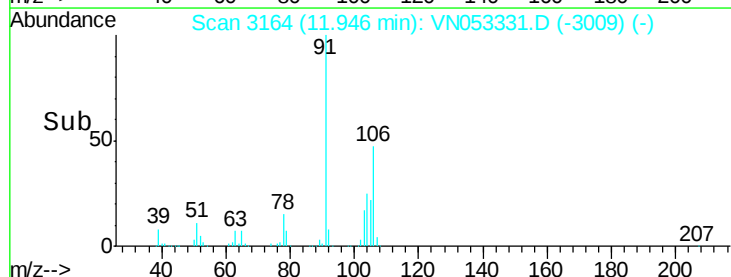
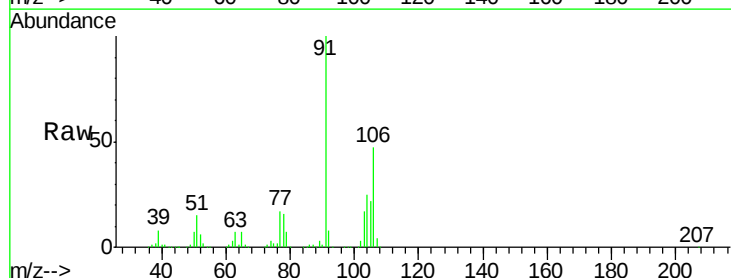
Acq: 10 Jan 2019 9:03

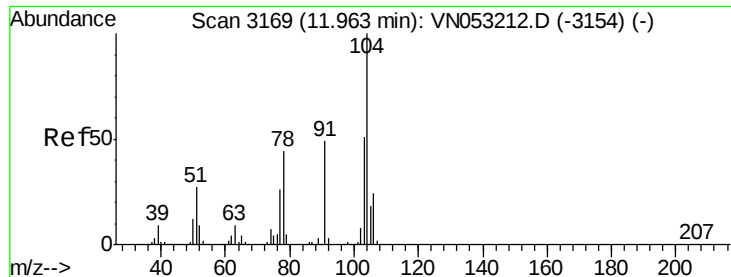
Tgt Ion:106 Resp: 379288

Ion Ratio Lower Upper

106 100

91 214.5 107.8 323.4





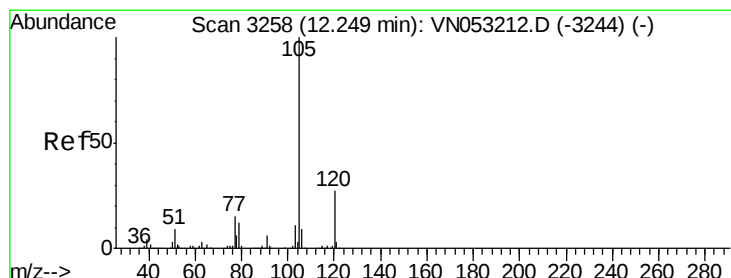
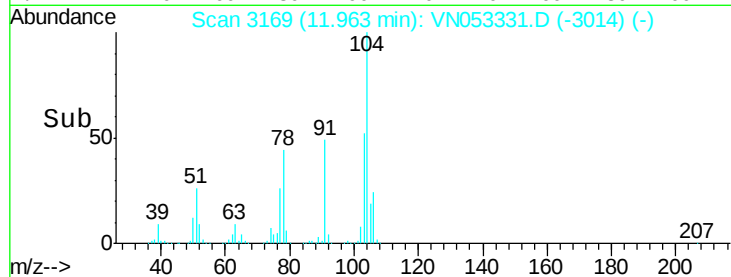
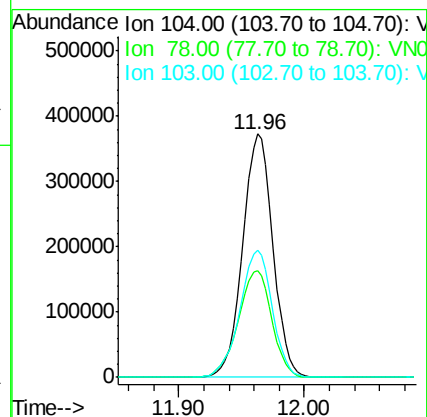
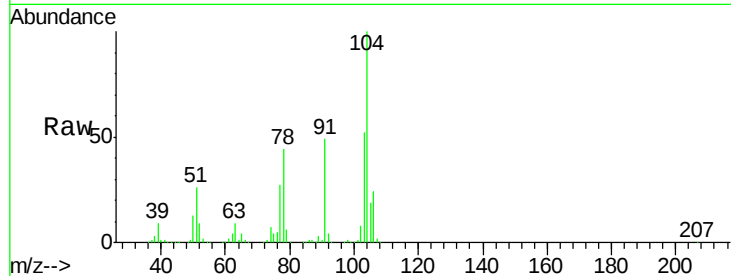
#69
Stvrene
Concen: 20.302 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.3	58.9
103	56.1	44.6	66.8

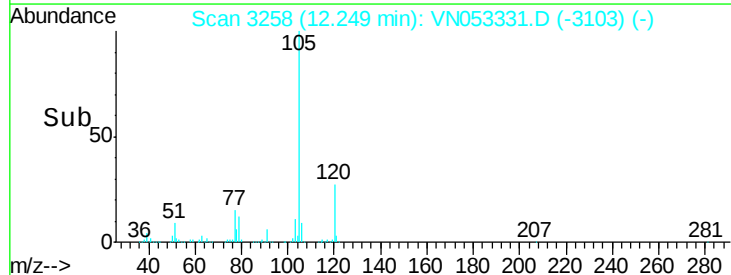
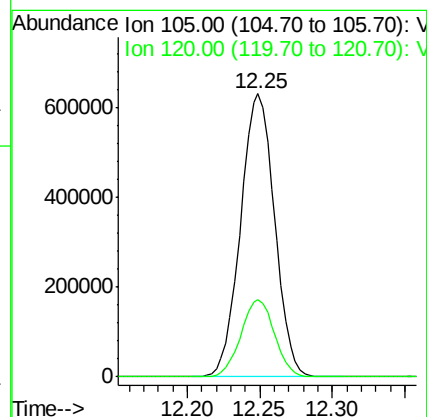
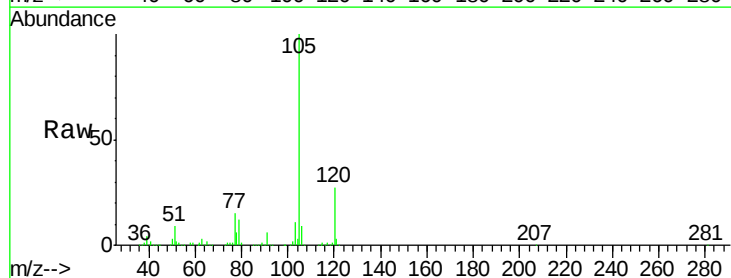
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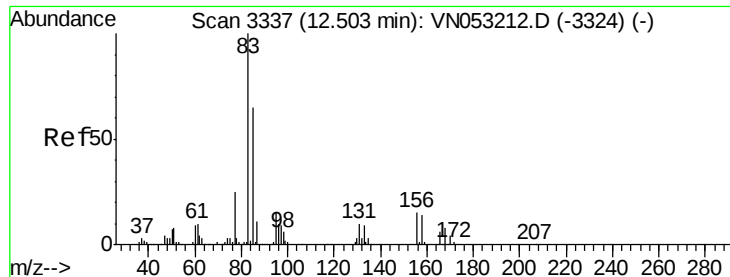
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#70
Isopropylbenzene
Concen: 20.738 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion	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

Tot Ion: 83 Resp: 214528
Ion Ratio Lower Upper

83 100

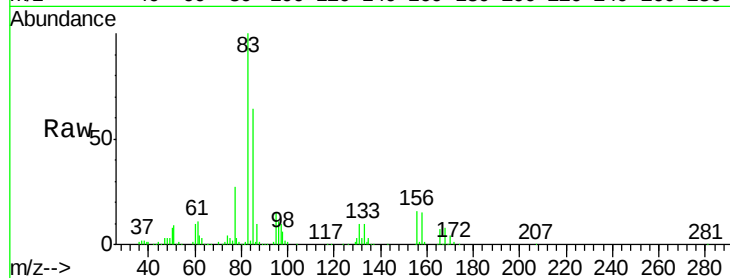
131 10.5 4.9 14.6

85 64.4 32.2 96.6

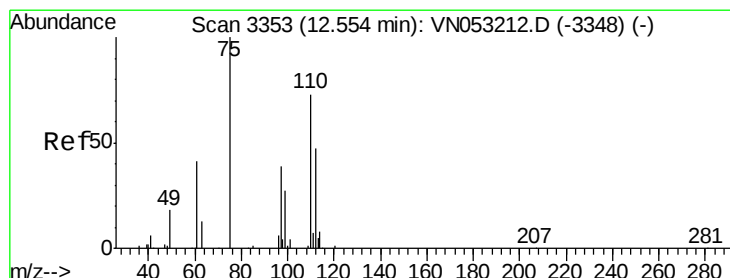
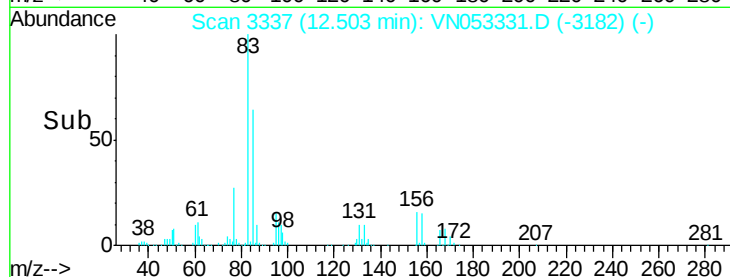
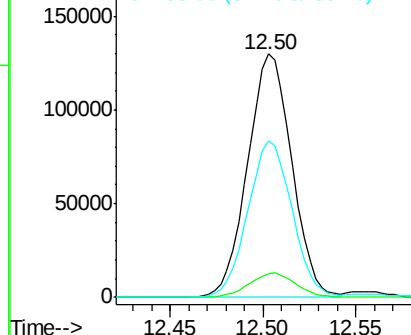
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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 131.00 (130.70 to 131.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#72

1,2,3-Trichloropropane

Concen: 20.585 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

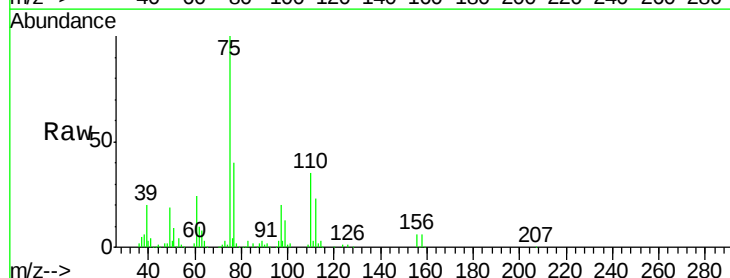
Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

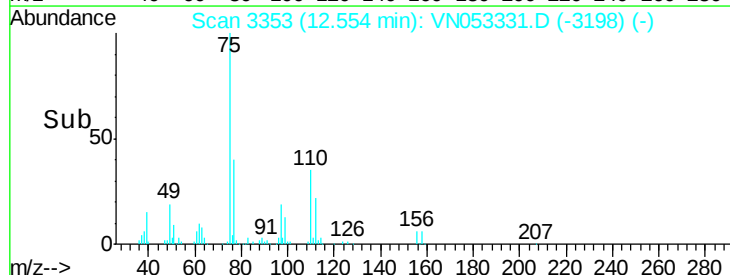
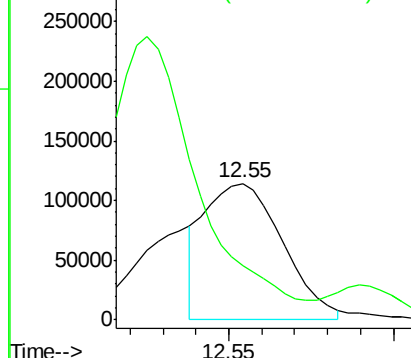
Tgt Ion: 75 Resp: 187843
Ion Ratio Lower Upper

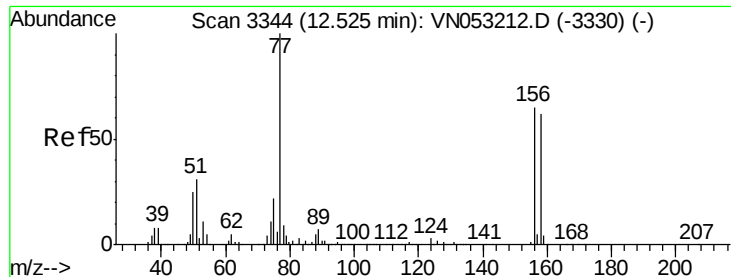
75 100

77 248.8 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#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

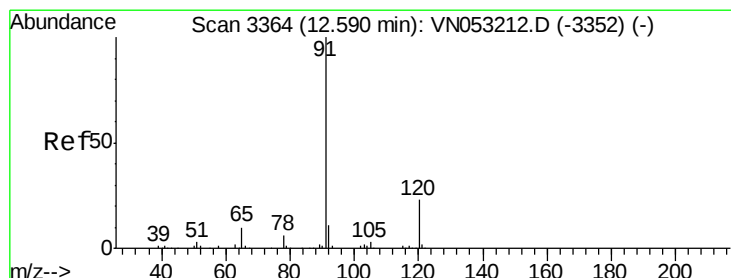
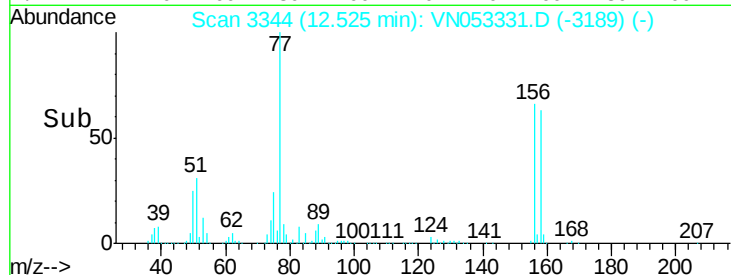
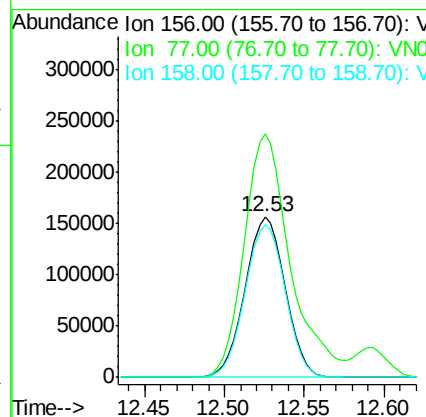
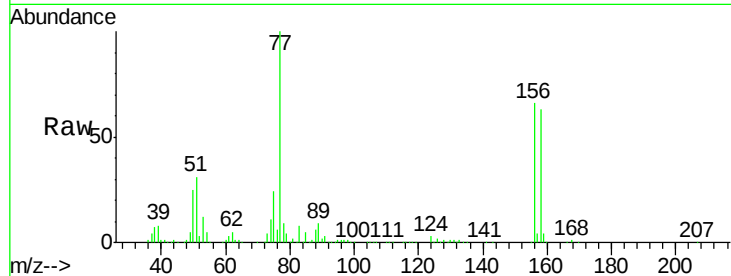
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	266535
Ion Ratio	Lower	Upper	
156	100		
77	175.4	0.0	382.6
158	95.7	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 21.236 ug/l

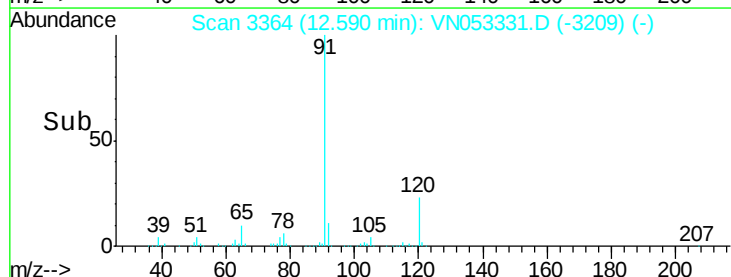
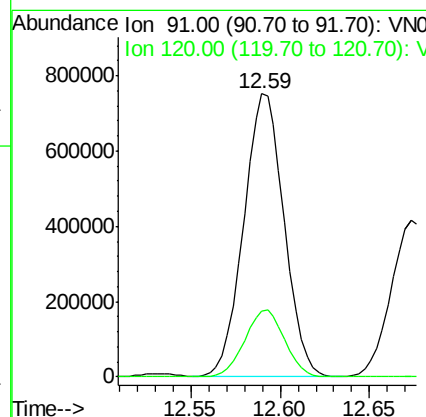
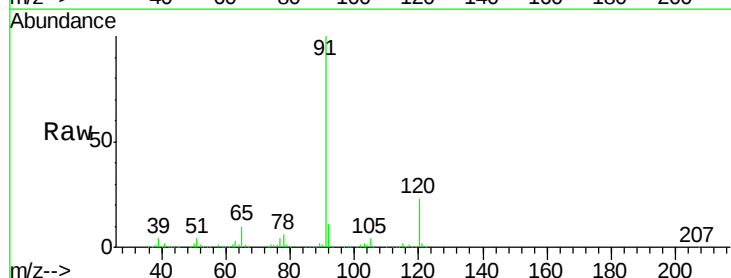
RT: 12.59 min Scan# 3364

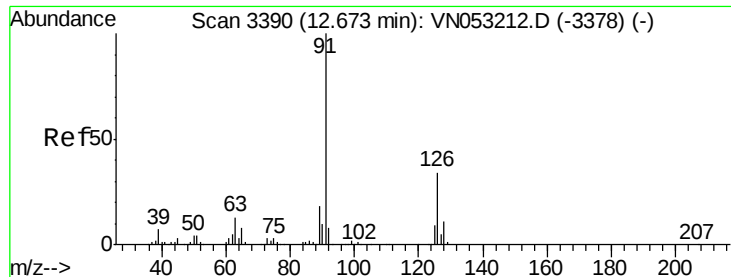
Delta R.T. -0.00 min

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





#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

Tot Ion: 91 Resp: 696591

Ion Ratio Lower Upper

91 100

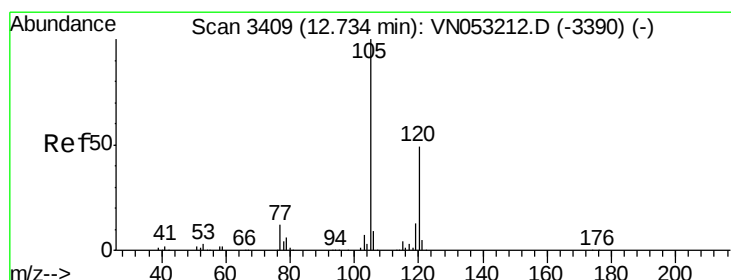
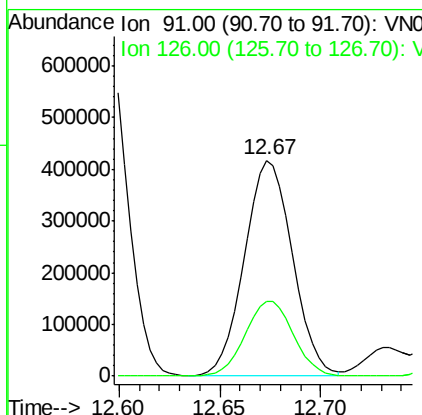
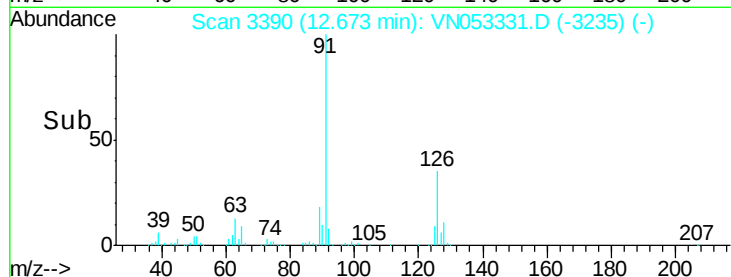
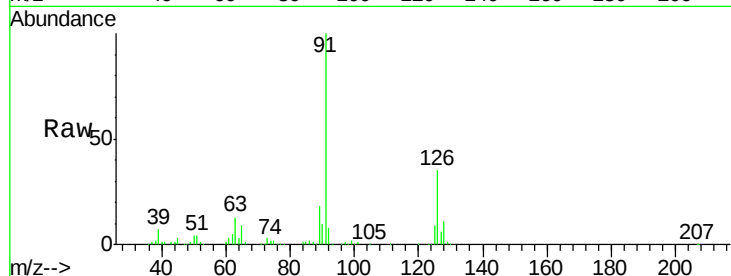
126 34.8 0.0 68.4

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#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

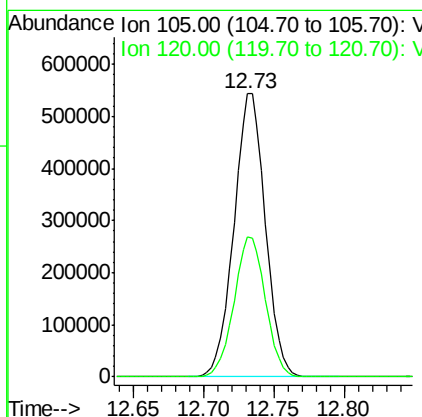
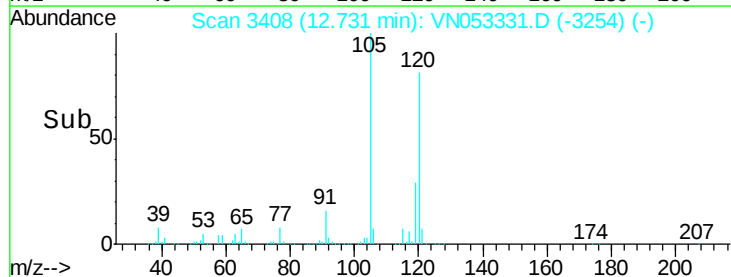
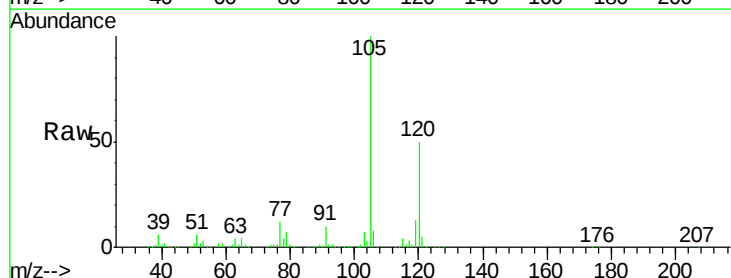
Acq: 10 Jan 2019 9:03

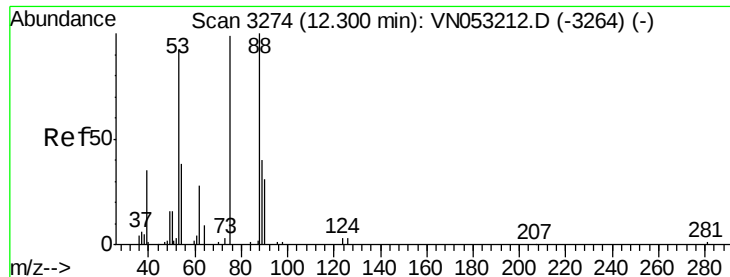
Tgt Ion: 105 Resp: 845388

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.4





#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

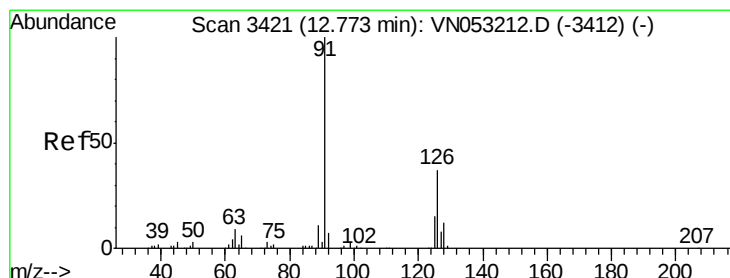
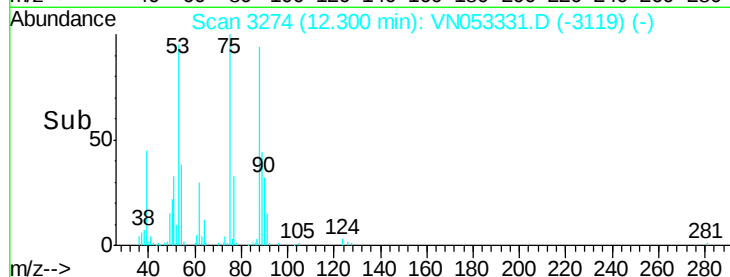
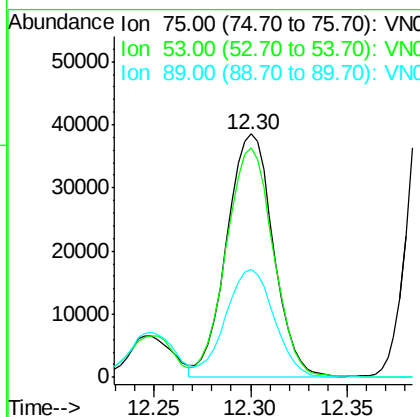
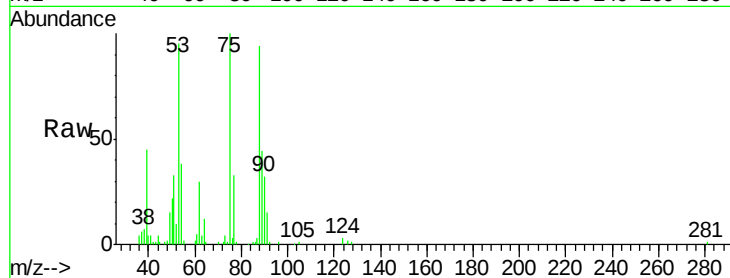
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	64697
Ion	Ratio	Lower	Upper
75	100		
53	93.8	48.5	145.6
89	44.4	21.7	65.1

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#78

4-Chlorotoluene

Concen: 21.060 ug/l

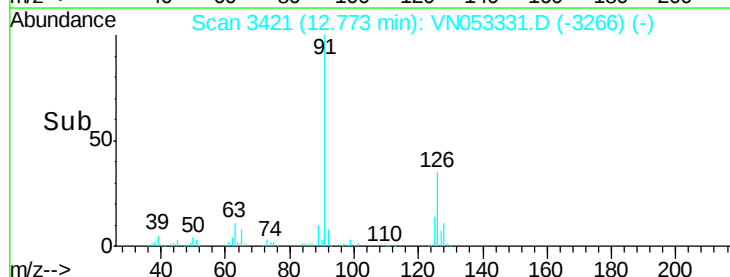
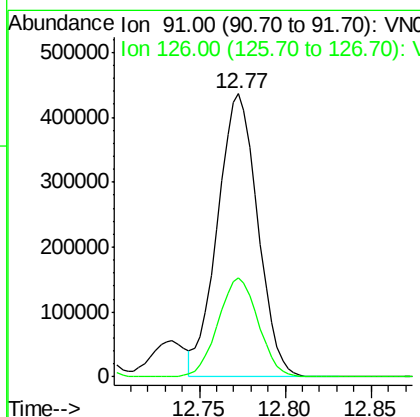
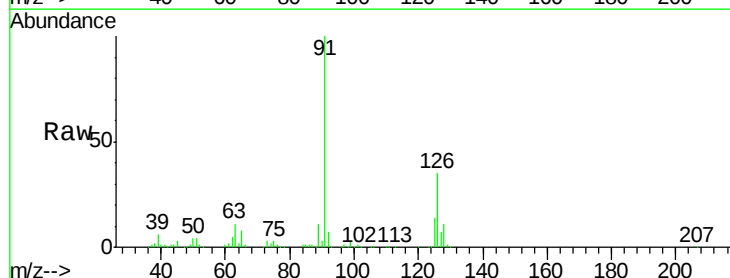
RT: 12.77 min Scan# 3421

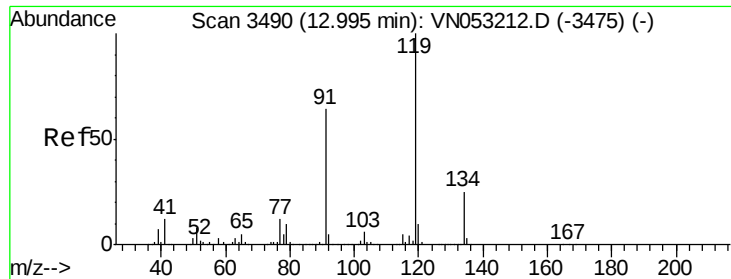
Delta R.T. -0.00 min

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





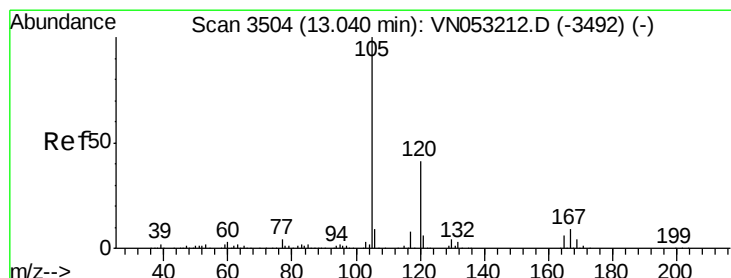
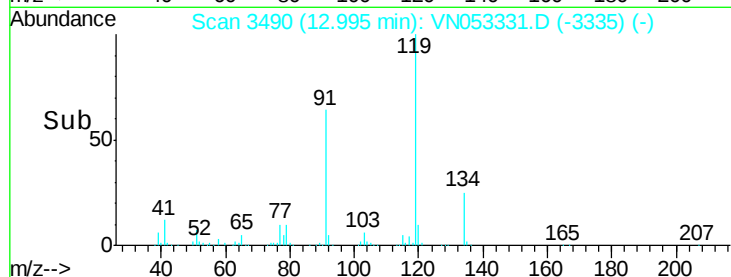
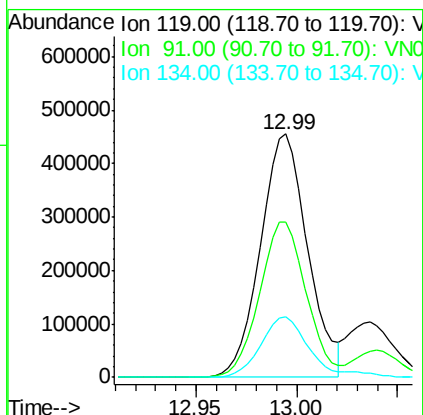
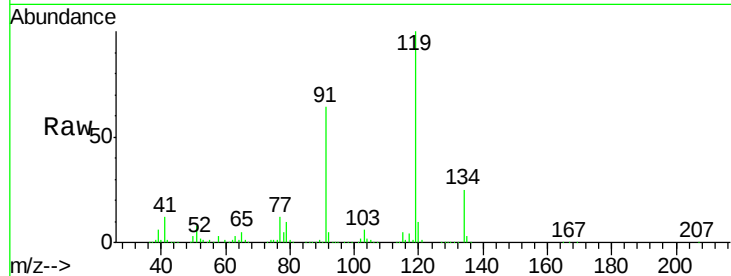
#79
tert-butylbenzene
Concen: 21.681 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

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

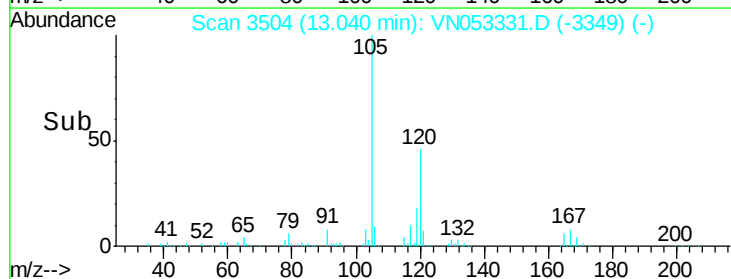
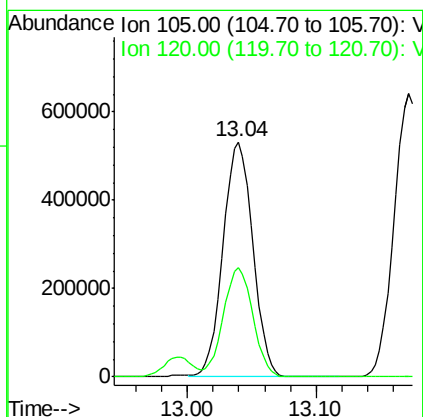
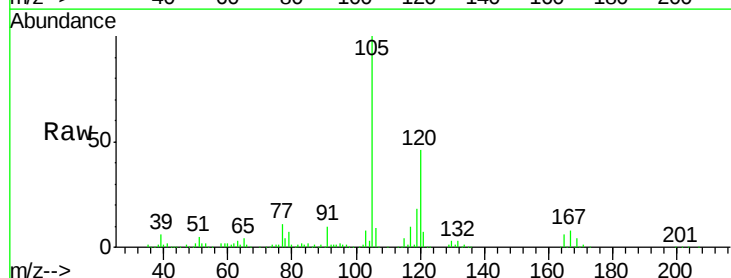
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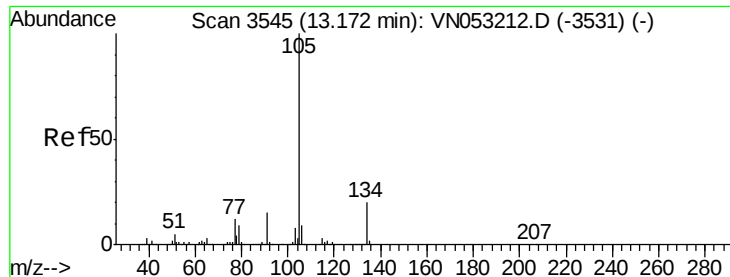
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#80
1,2,4-Trimethylbenzene
Concen: 21.664 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

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





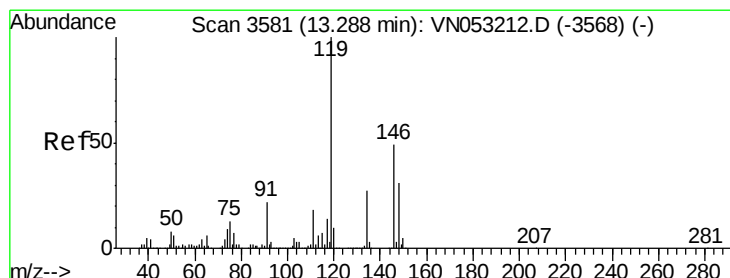
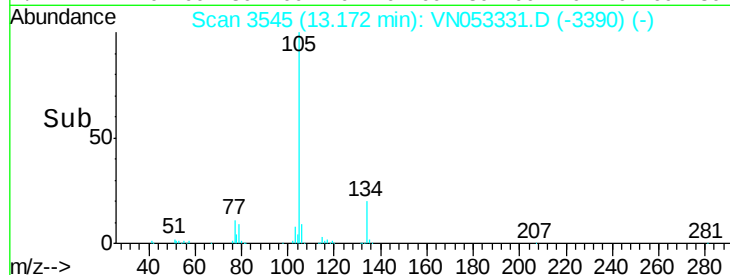
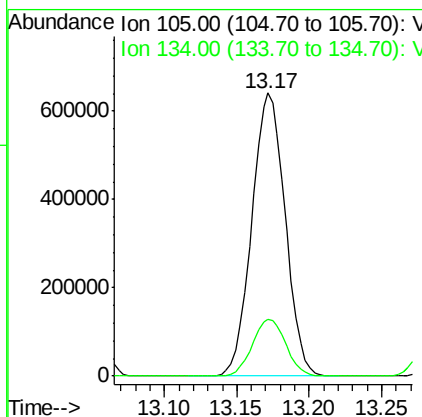
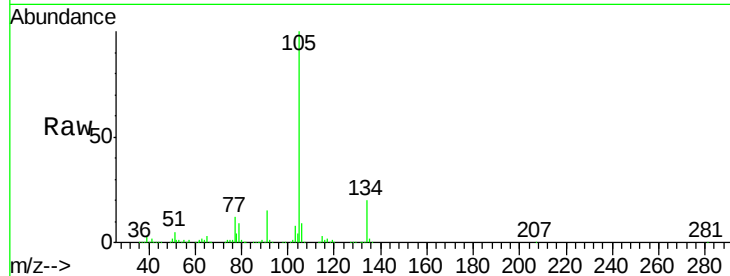
#81
 sec-Butylbenzene
 Concen: 22.608 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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

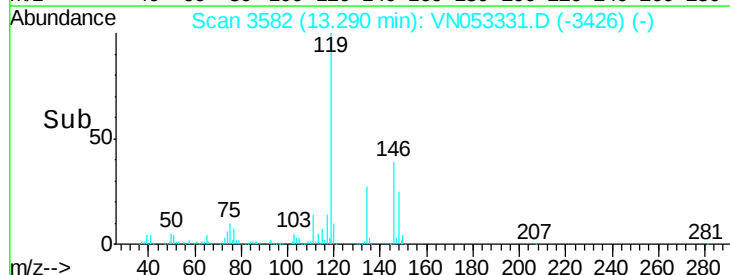
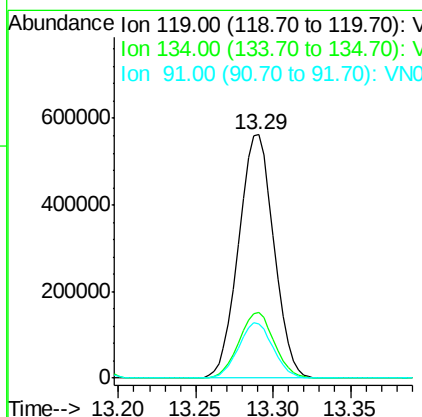
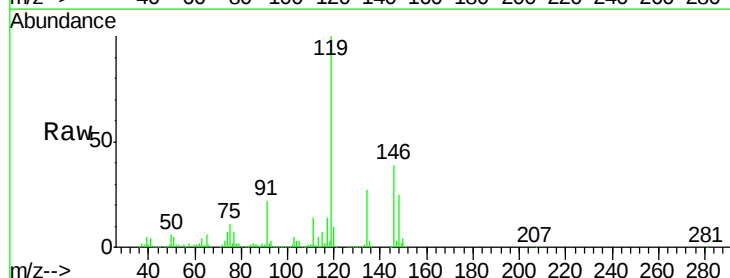
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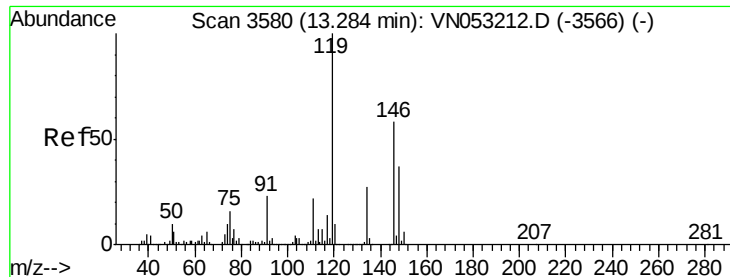
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#82
 p-Isopropyltoluene
 Concen: 22.761 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

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

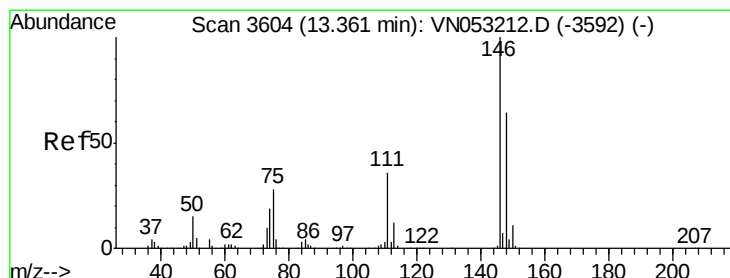
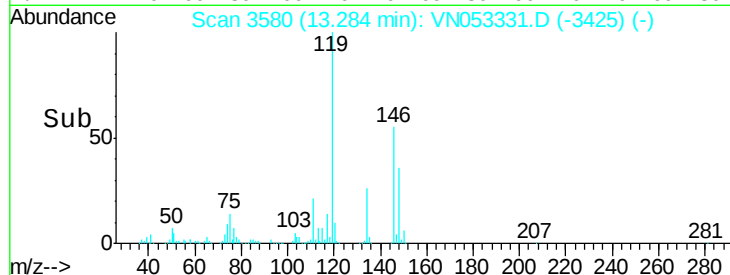
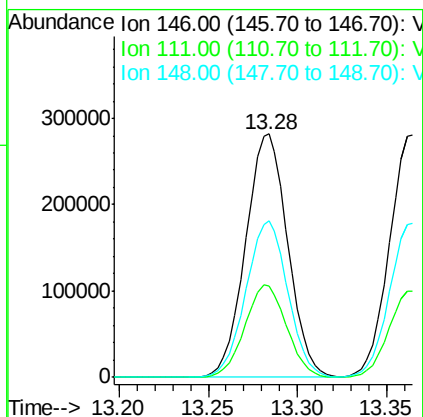
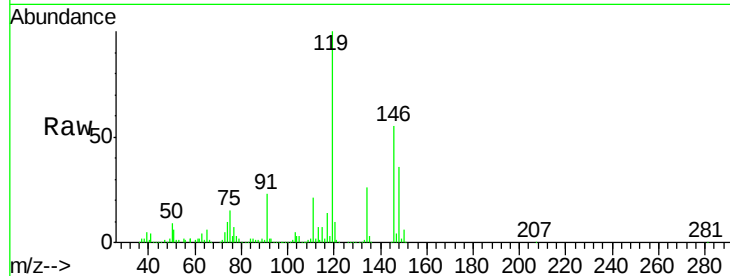
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	466516
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.7	59.0
148	63.8	32.3	96.8

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#84

1,4-Dichlorobenzene

Concen: 21.633 ug/l

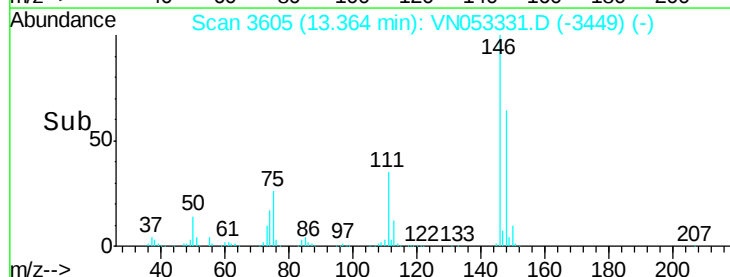
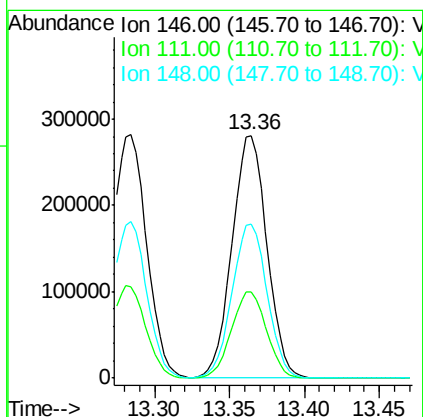
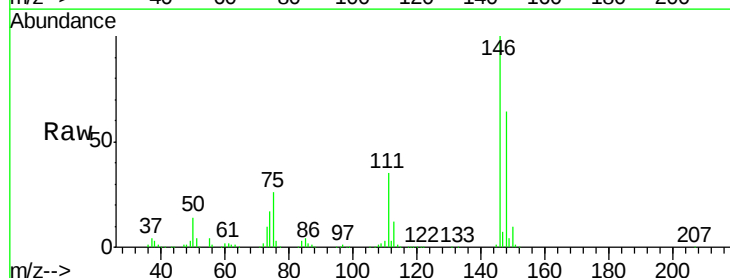
RT: 13.36 min Scan# 3605

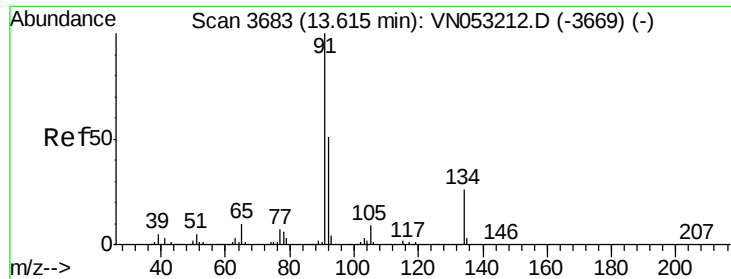
Delta R.T. 0.00 min

Lab File: VN053331.D

Acq: 10 Jan 2019 9:03

Tgt Ion:	146	Resp:	456871
Ion Ratio	Lower	Upper	
146	100		
111	35.6	18.8	56.3
148	64.1	32.5	97.4





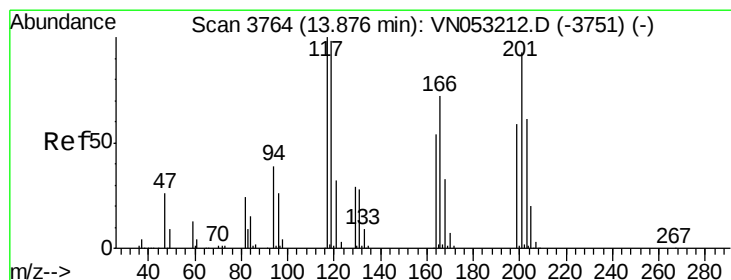
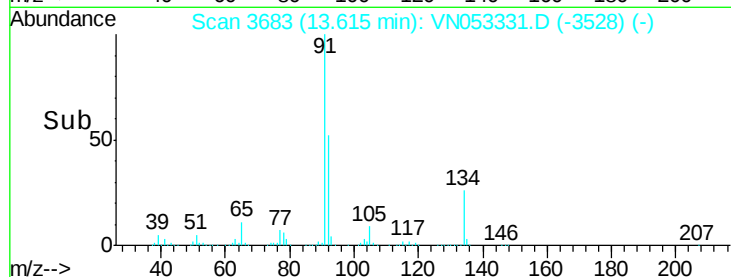
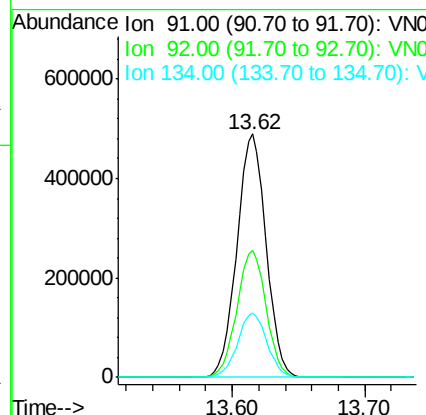
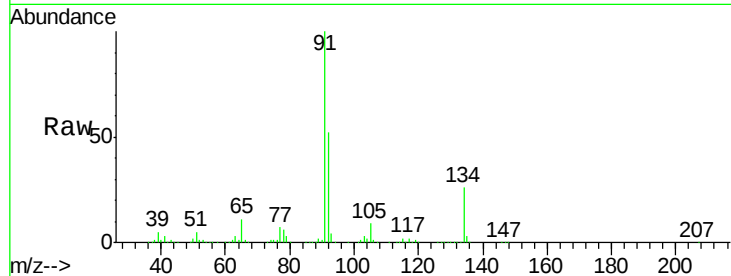
#85
n-Butylbenzene
Concen: 23.387 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	104.2
134	26.6	0.0	50.6

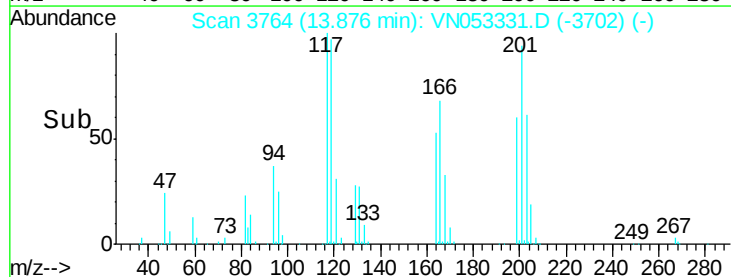
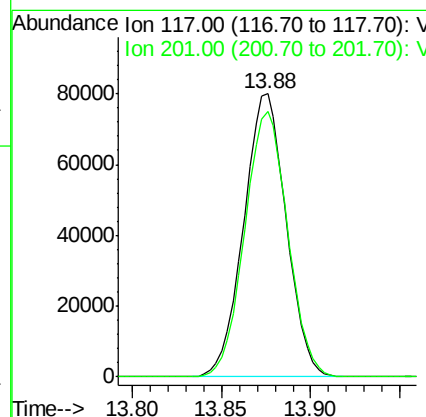
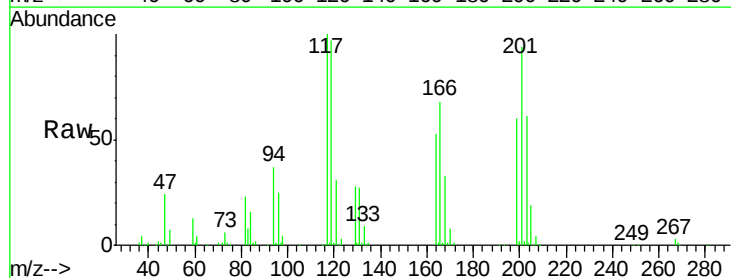
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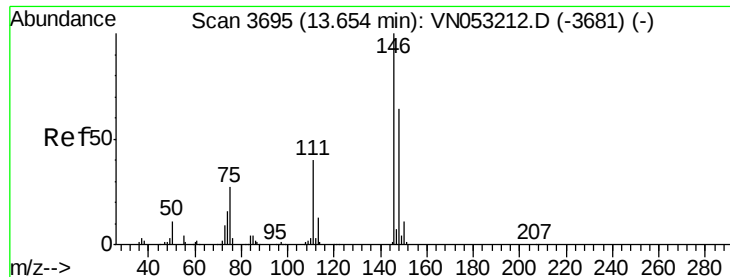
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#86
Hexachloroethane
Concen: 21.328 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053331.D
Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	43.8	131.3





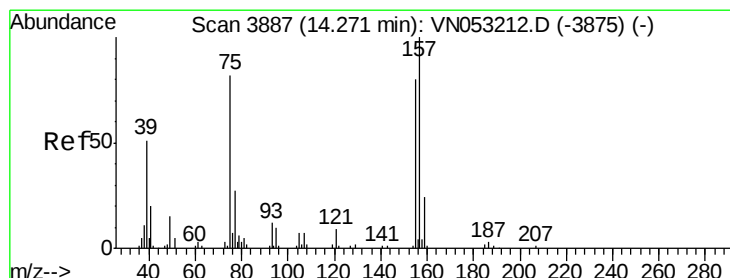
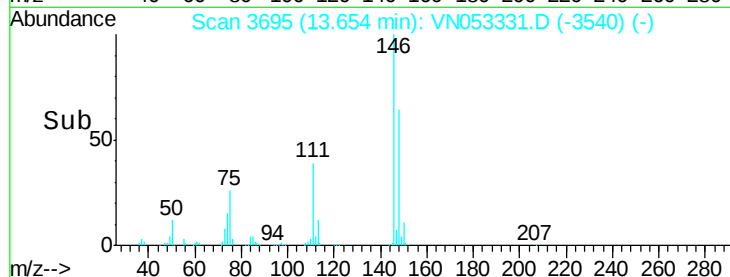
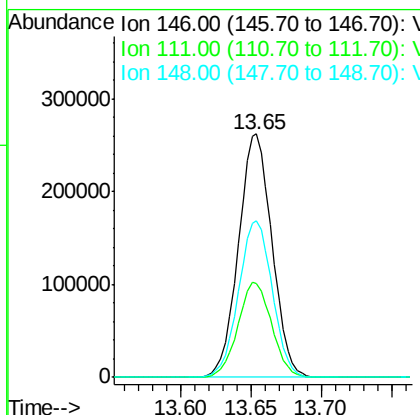
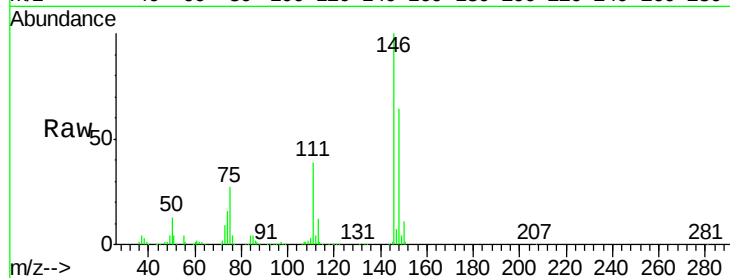
#87
 1,2-Dichlorobenzene
 Concen: 21.678 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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

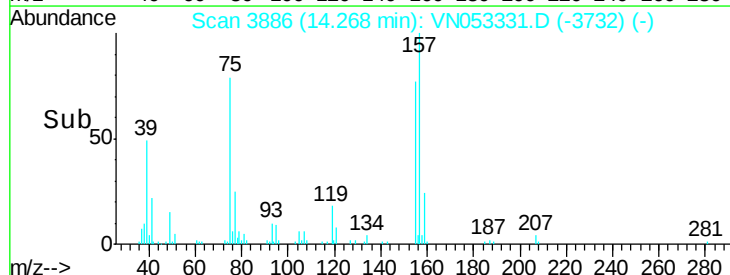
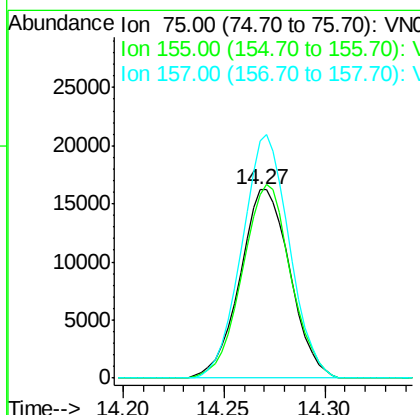
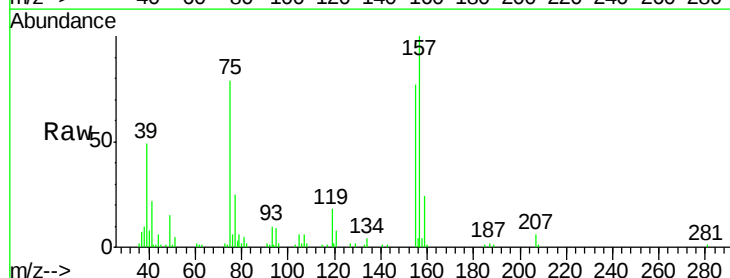
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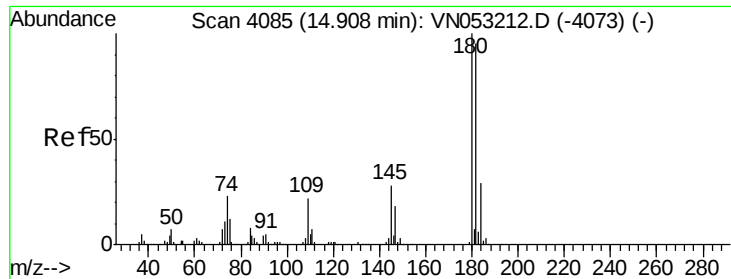
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.926 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

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





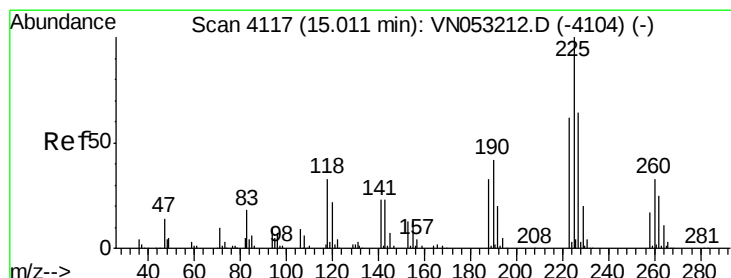
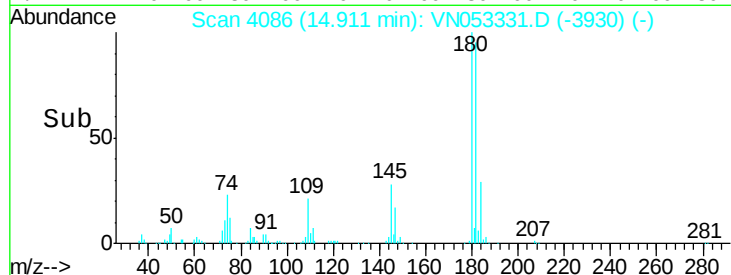
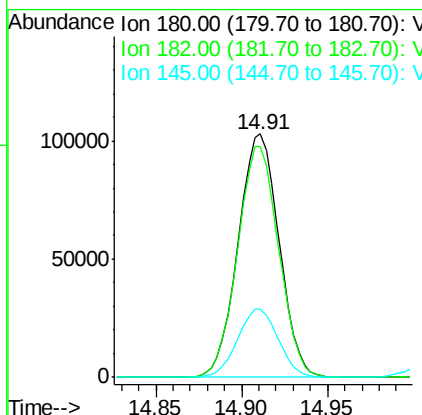
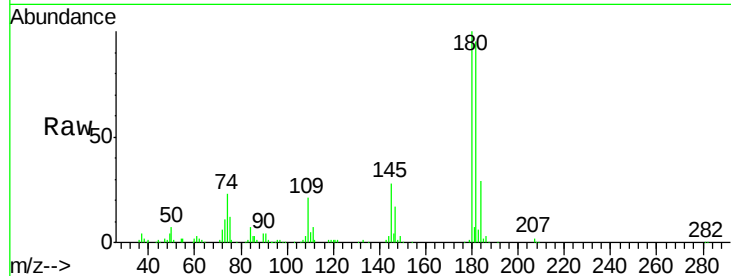
#89
 1,2,4-Trichlorobenzene
 Concen: 17.460 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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

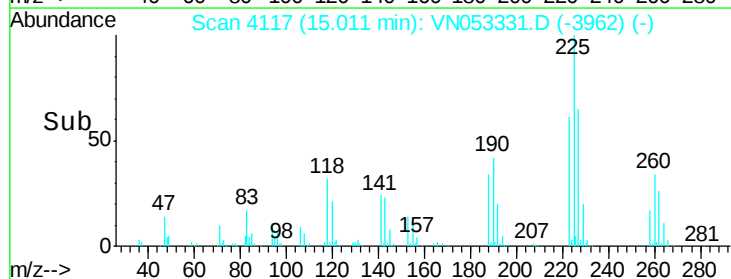
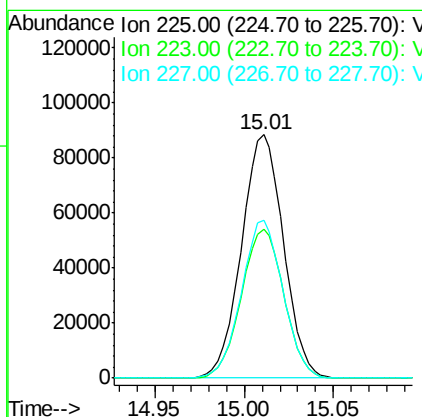
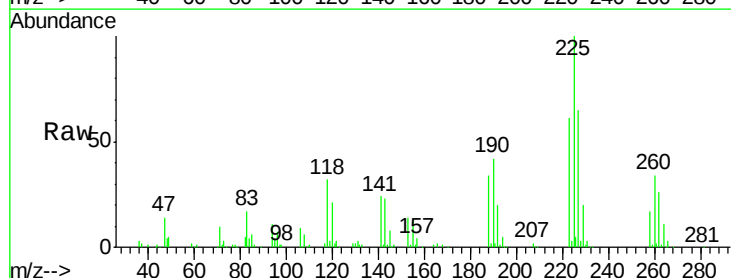
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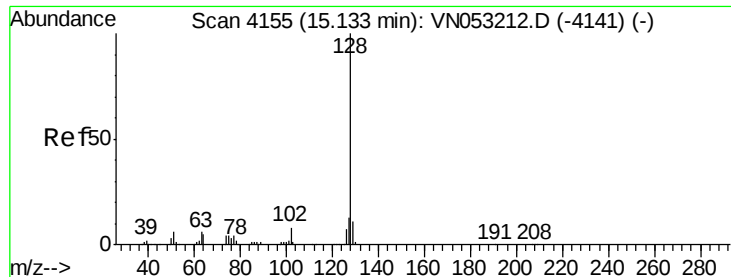
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#90
 Hexachlorobutadiene
 Concen: 24.685 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053331.D
 Acq: 10 Jan 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145999		
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

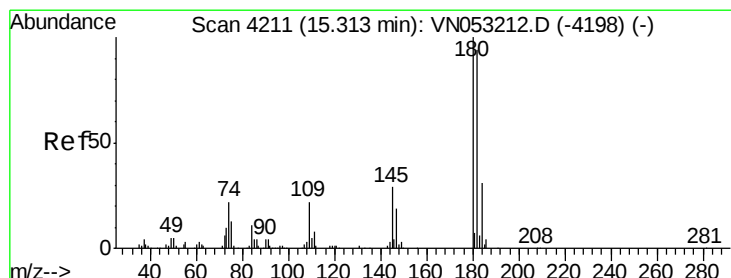
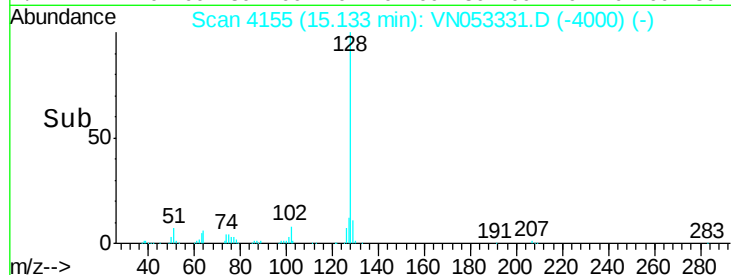
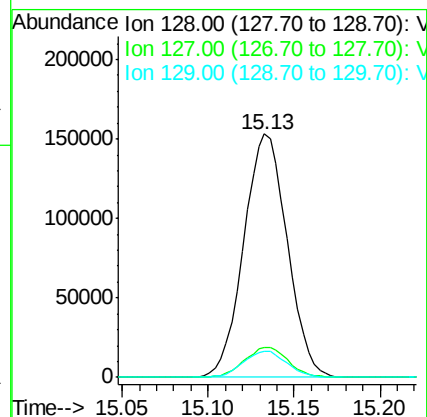
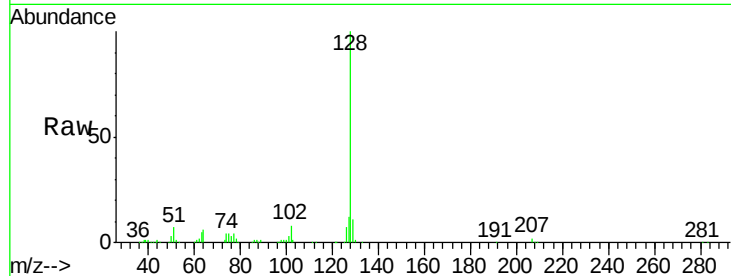
ClientSampleId :

VSTDCCC020

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

Manual Integrations
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#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

