

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053466.D
 Acq On : 18 Jan 2019 12:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:00 AM

Quant Time: Jan 19 00:19:02 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	7.20	128	131059	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	735236	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	655724	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	247723	29.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.17%
60) 4-Bromofluorobenzene	12.40	95	305507	30.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.50%
63) Toluene-d8	10.09	98	885582	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	128017	14.660	ug/l 98
3) Chloromethane	2.06	50	166705	16.266	ug/l 98
4) Vinyl Chloride	2.19	62	170104	16.866	ug/l 96
5) Bromomethane	2.57	94	115202	17.717	ug/l 99
6) Chloroethane	2.71	64	100186	17.245	ug/l 99
7) Trichlorofluoromethane	3.03	101	234321	18.814	ug/l 98
8) Diethyl Ether	3.41	74	87191	18.843	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	143626	18.354	ug/l 94
10) 1,1-Dichloroethene	3.74	96	138103	18.085	ug/l 94
11) Methyl Iodide	3.96	142	207591	18.562	ug/l 99
12) Methyl Acetate	4.33	43	125721	21.122	ug/l 98
13) Acrolein	3.61	56	68025	95.725	ug/l 99
14) Acrylonitrile	4.99	53	270115	101.442	ug/l 99
15) Acetone	3.82	58	67533	119.336	ug/l 93
16) Carbon Disulfide	4.06	76	388418	16.534	ug/l 100
17) Allyl chloride	4.33	41	221930	18.474	ug/l 98
18) Methylene Chloride	4.56	84	163114	18.663	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	151733	18.801	ug/l 90
20) Diisopropyl ether	5.95	45	483329	18.786	ug/l 98
21) 1,1-Dichloroethane	5.86	63	281461	18.790	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	171346	18.848	ug/l 96
23) tert-Butyl Alcohol	4.78	59	39316	87.588	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	383108	19.239	ug/l 97
25) Chloroform	7.37	83	279028	19.379	ug/l 99
26) Cyclohexane	7.66	56	244929	17.530	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	209148	18.779	ug/l 98
30) 2-Butanone	6.84	43	302808	108.982	ug/l 98
31) 2,2-Dichloropropane	6.83	77	208166	19.308	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	232856	19.956	ug/l 97
33) Carbon Tetrachloride	7.78	117	200481	19.628	ug/l 98
34) Benzene	8.04	78	651209	19.456	ug/l 99
35) Methacrylonitrile	7.18	41	67477	18.820	ug/l 96
36) 1,2-Dichloroethane	8.12	62	194354	20.002	ug/l 99
37) Trichloroethene	8.84	130	178769	19.716	ug/l 93
38) Methylcyclohexane	9.08	83	251853	19.334	ug/l 97
39) 1,2-Dichloropropane	9.12	63	170325	19.488	ug/l 97
40) Dibromomethane	9.21	93	101469	20.529	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	207866	19.583	ug/l	99
42) Vinyl Acetate	5.90	43	1530079	100.938	ug/l	97
43) Ethyl Acetate	6.93	43	129613	20.888	ug/l #	68
44) Isopropyl Acetate	8.17	43	236542	20.464	ug/l	96
45) 1,4-Dioxane	9.20	88	23028	325.798	ug/l	90
46) Methyl methacrylate	9.20	41	116745	19.993	ug/l	93
47) n-amyl Acetate	12.07	43	203986	20.095	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	211009	19.477	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	246757	19.343	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	145097	20.474	ug/l	99
51) Ethyl methacrylate	10.43	69	183370	19.853	ug/l	93
52) 1,3-Dichloropropane	10.71	76	245916	20.143	ug/l	100
53) Dibromochloromethane	10.90	129	160674	20.186	ug/l	97
54) 1,2-Dibromoethane	11.01	107	144878	20.264	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	514597	97.081	ug/l	98
56) Bromoform	12.13	173	109978	20.198	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	666468	106.663	ug/l	98
59) 2-Hexanone	10.75	43	452652	104.935	ug/l	96
61) Tetrachloroethene	10.63	164	196522	20.281	ug/l	96
62) Toluene	10.16	91	700530	19.480	ug/l	100
64) Chlorobenzene	11.43	112	440471	19.518	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	157853	19.941	ug/l	98
66) Ethyl Benzene	11.51	91	749862	19.228	ug/l	99
67) m/p-Xylenes	11.62	106	572325	38.803	ug/l	99
68) o-Xylene	11.95	106	283628	19.844	ug/l	96
69) Styrene	11.96	104	459826	19.710	ug/l	99
70) Isopropylbenzene	12.25	105	741603	19.721	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	167405	21.148	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146430m	21.124	ug/l	
73) Bromobenzene	12.53	156	196379	20.316	ug/l	93
74) n-propylbenzene	12.59	91	851289	19.998	ug/l	98
75) 2-Chlorotoluene	12.68	91	504338	20.005	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	603380	20.227	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	48108	19.751	ug/l	95
78) 4-Chlorotoluene	12.77	91	508563	19.817	ug/l	99
79) tert-butylbenzene	12.99	119	535220	20.573	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	612904	20.500	ug/l	98
81) sec-Butylbenzene	13.17	105	730858	21.215	ug/l	100
82) p-Isopropyltoluene	13.29	119	633714	21.288	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	338532	20.569	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	331444	20.659	ug/l	99
85) n-Butylbenzene	13.62	91	521189	21.529	ug/l	99
86) Hexachloroethane	13.88	117	95227	20.036	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	331945	21.705	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21701	19.169	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	138439	18.651	ug/l	99
90) Hexachlorobutadiene	15.01	225	108188	24.079	ug/l	98
91) Naphthalene	15.13	128	234484	14.889	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	104361	15.759	ug/l	98

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QLast Update : Fri Dec 28 10:33:50 2018
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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

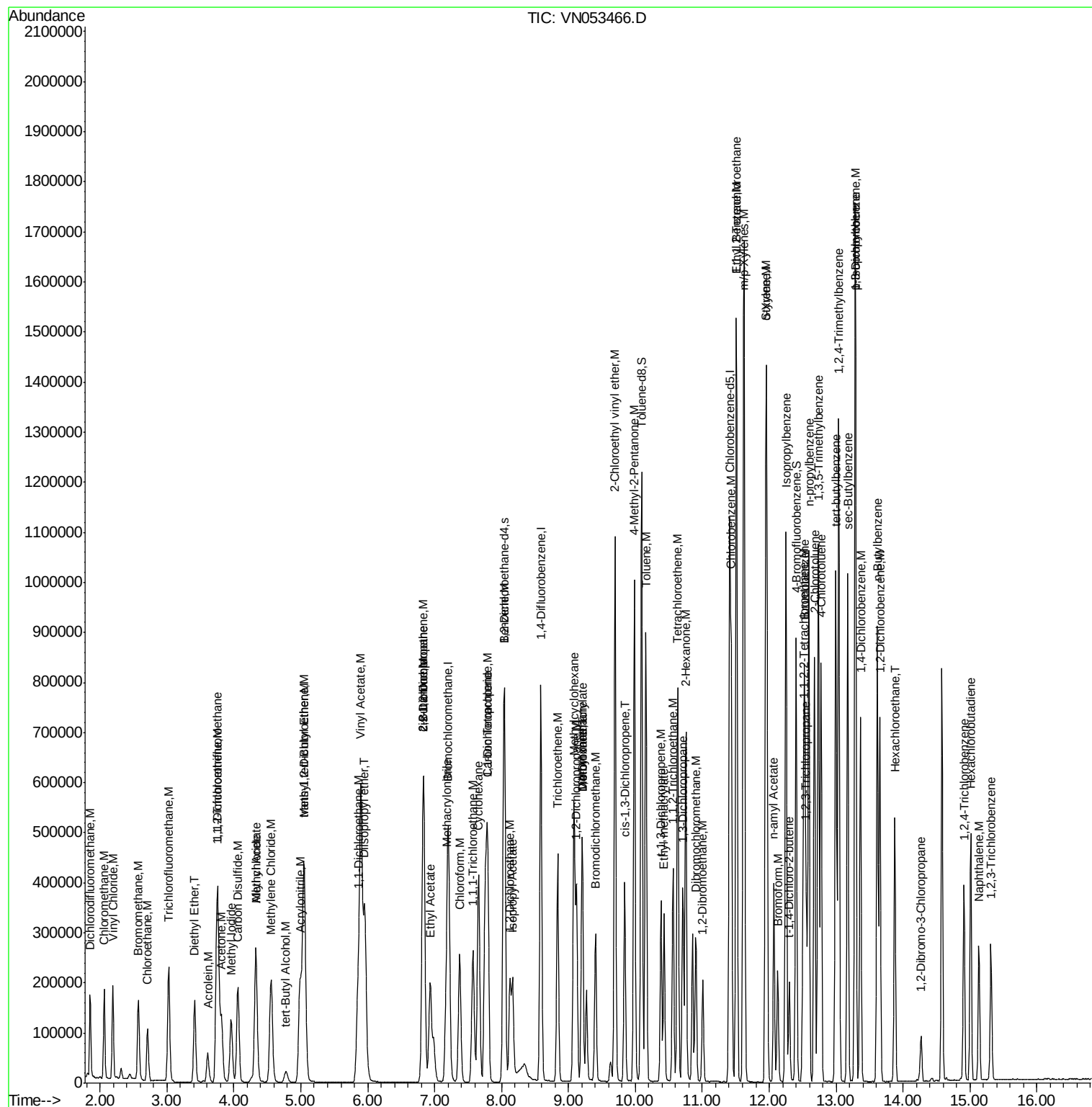
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
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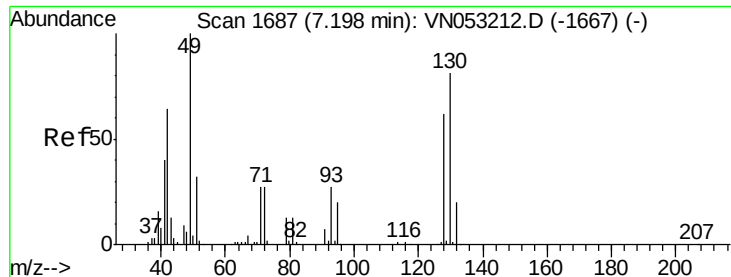
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

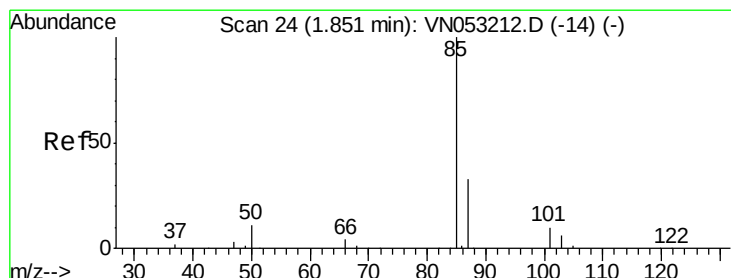
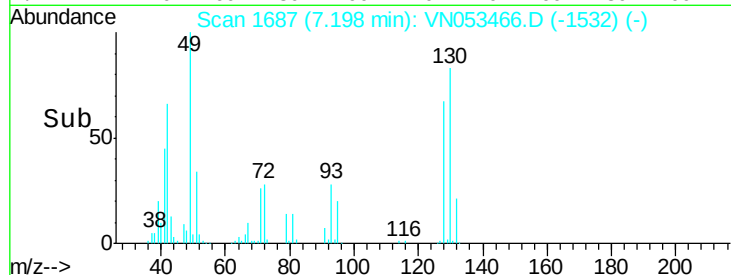
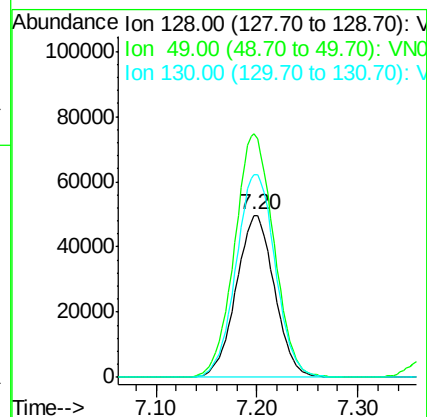
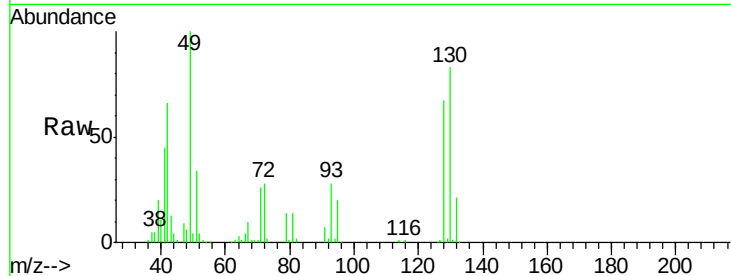
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	131059
Ion	Ratio	Lower	Upper
128	100		
49	153.9	0.0	431.8
130	128.6	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 14.660 ug/l

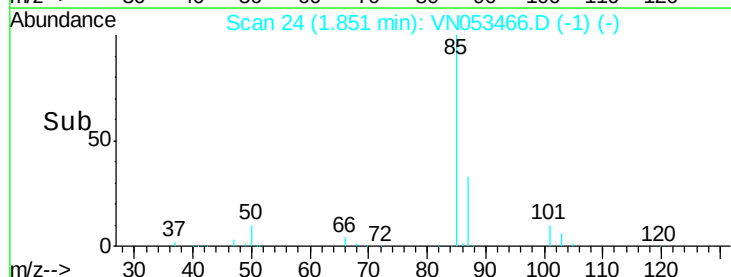
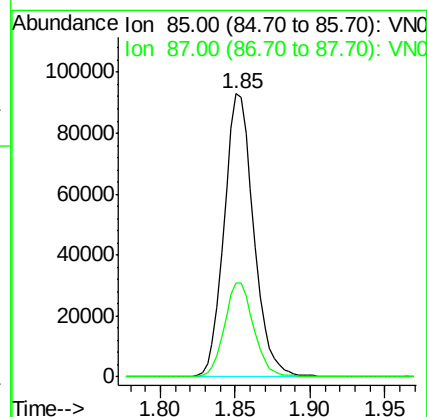
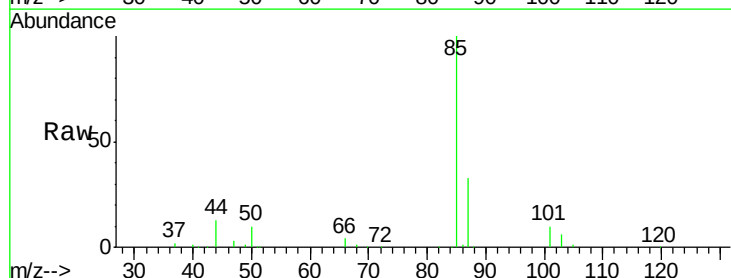
RT: 1.85 min Scan# 24

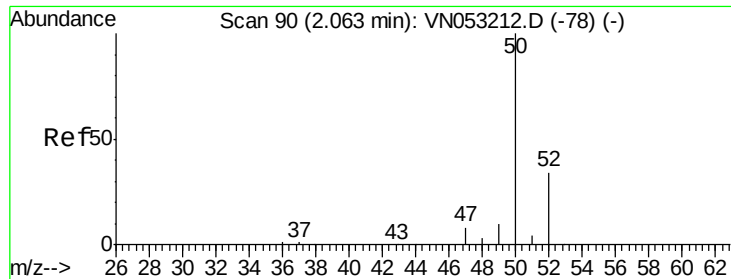
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	85	Resp:	128017
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.1	48.3





#3

Chloromethane

Concen: 16.266 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 166705

Ion Ratio Lower Upper

50 100

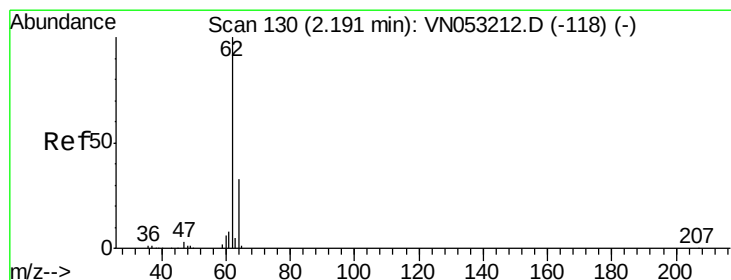
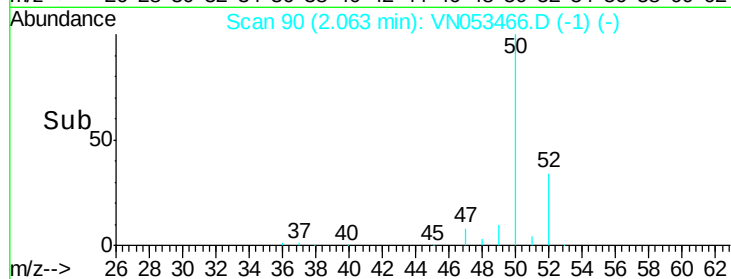
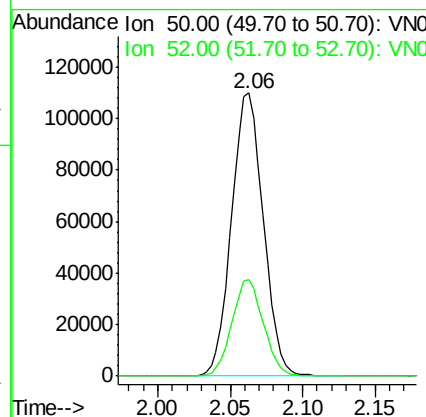
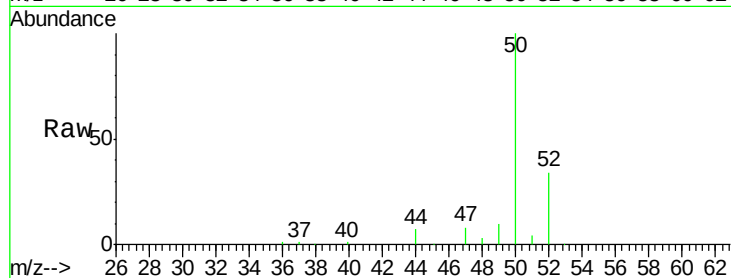
52 34.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.866 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053466.D

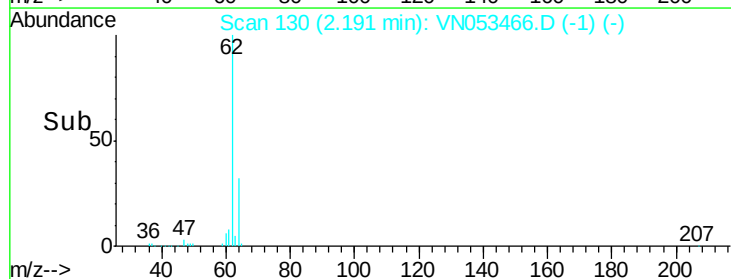
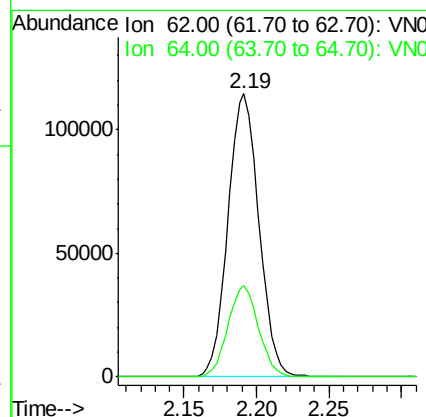
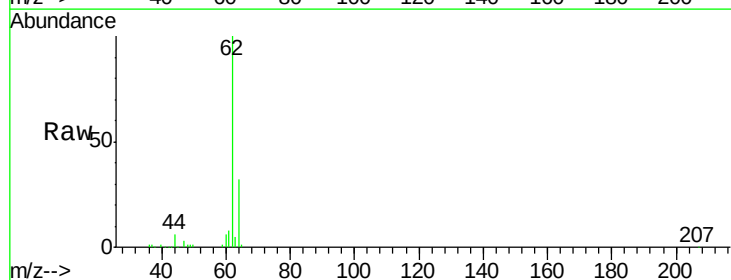
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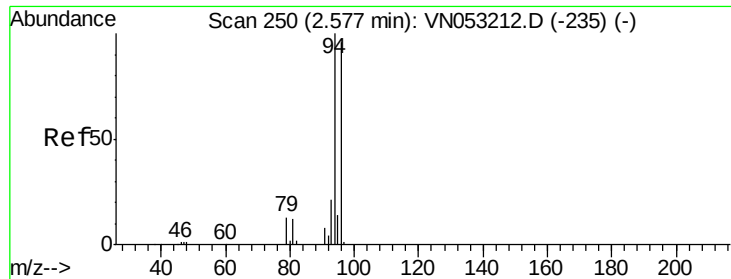
Tgt Ion: 62 Resp: 170104

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 17.717 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 115202

Ion Ratio Lower Upper

94 100

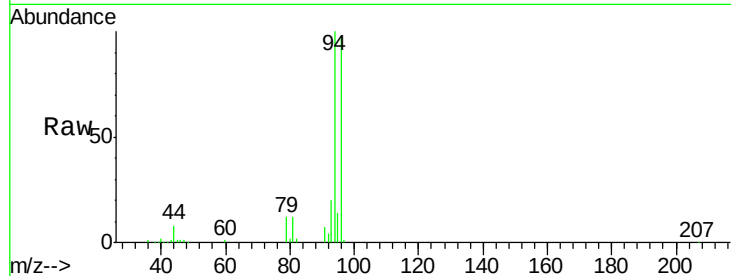
96 96.6 76.2 114.2

Manual Integrations

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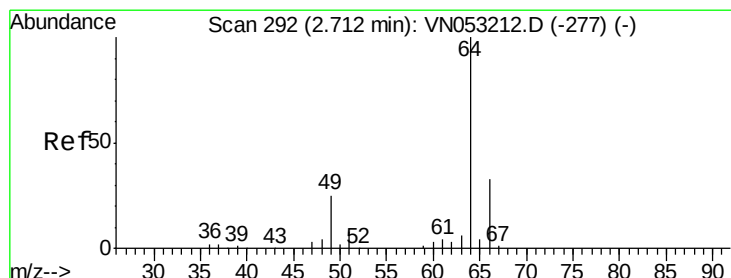
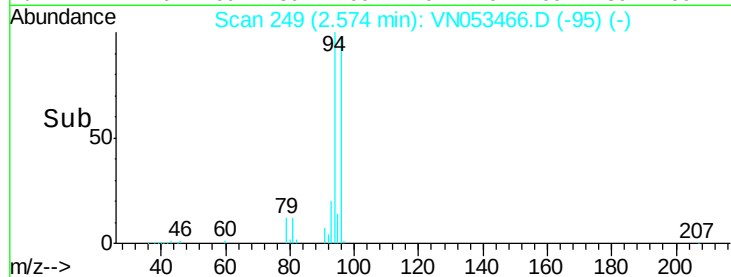
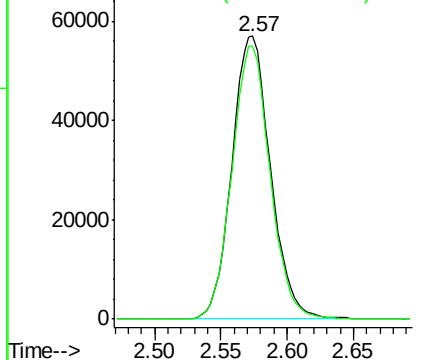
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 17.245 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053466.D

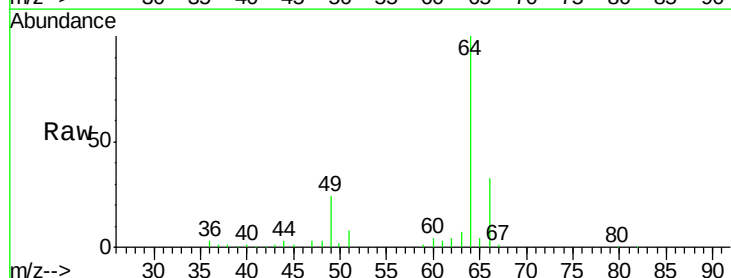
Acq: 18 Jan 2019 12:14

Tgt Ion: 64 Resp: 100186

Ion Ratio Lower Upper

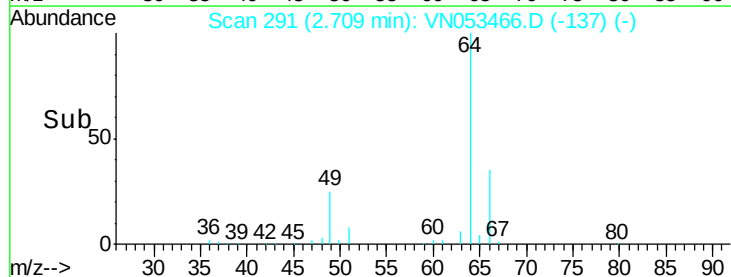
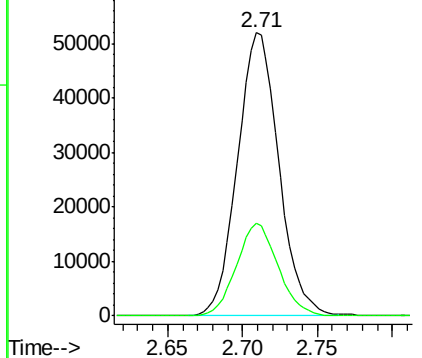
64 100

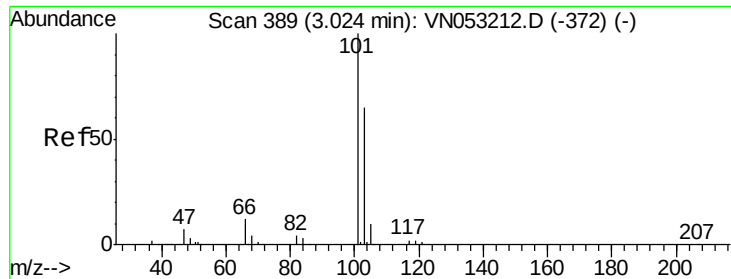
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

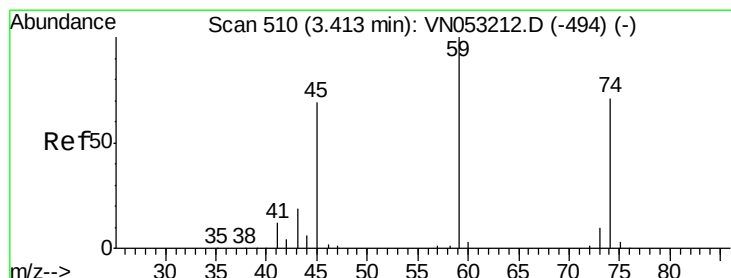
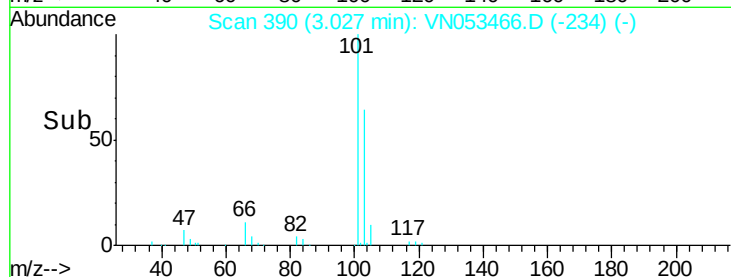
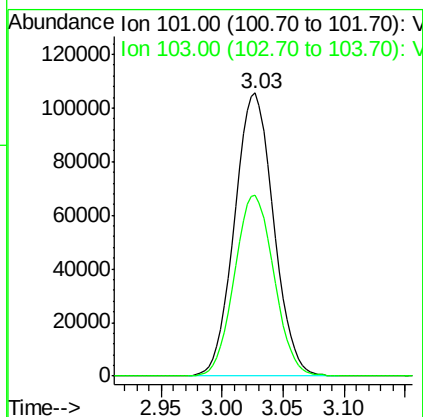
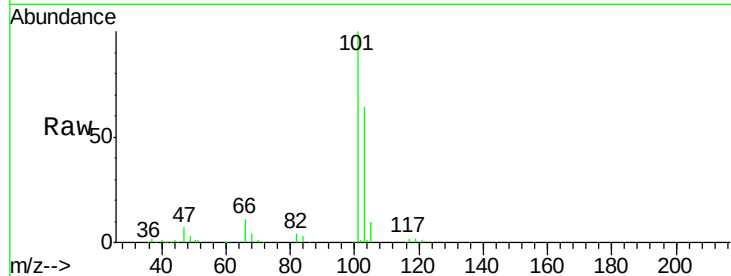
Trichlorofluoromethane
 Concen: 18.814 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		234321		
103	63.8	52.1	78.1		

Manual Integrations
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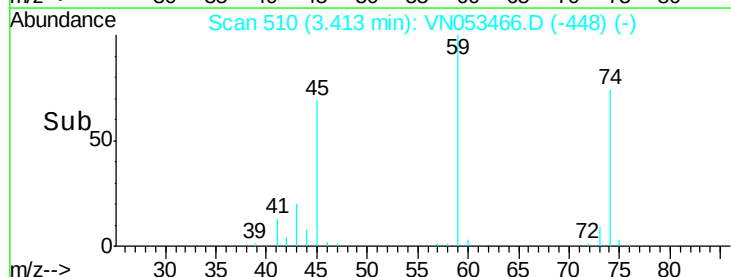
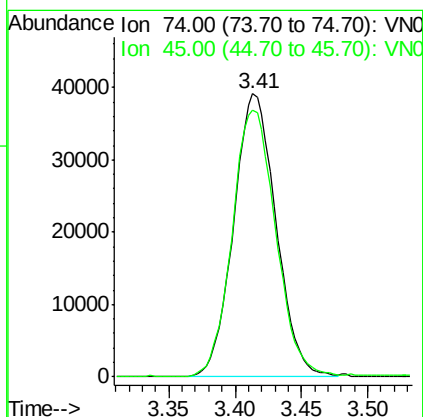
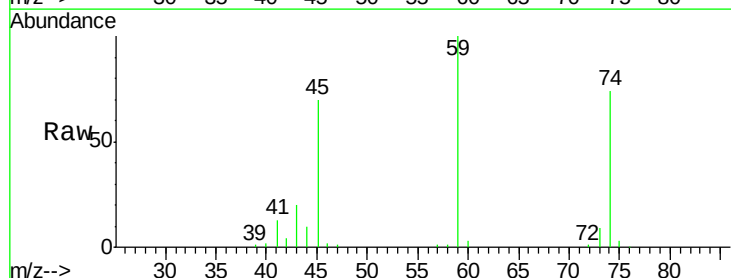
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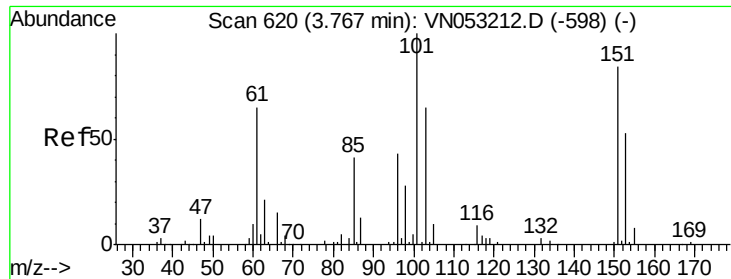


#8

Diethyl Ether
 Concen: 18.843 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87191		
45	97.0	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.354 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

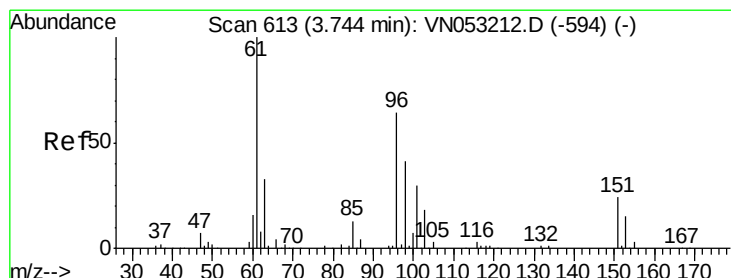
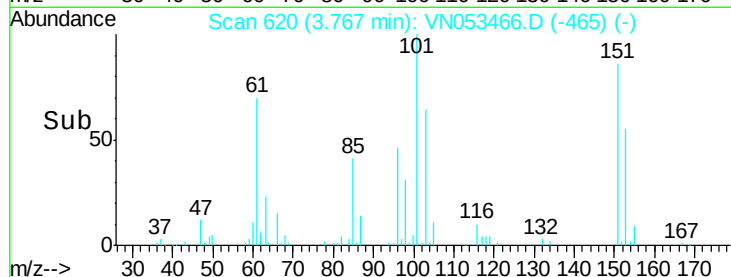
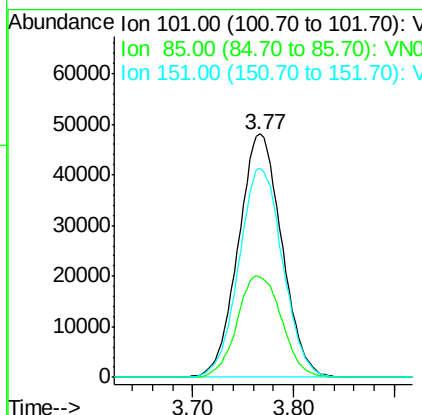
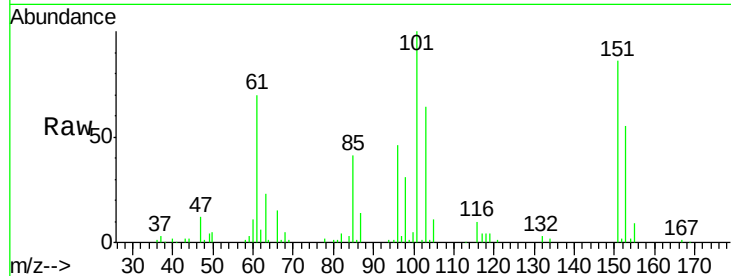
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	143626
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	82.6
151	86.6	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 18.085 ug/l

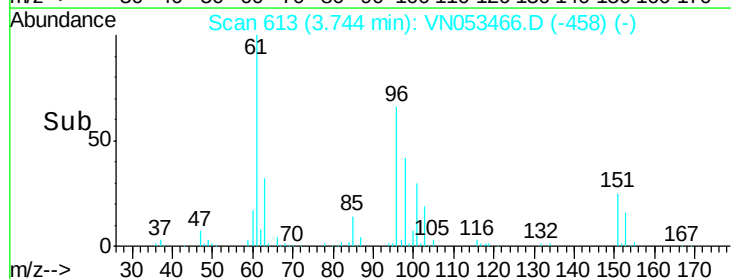
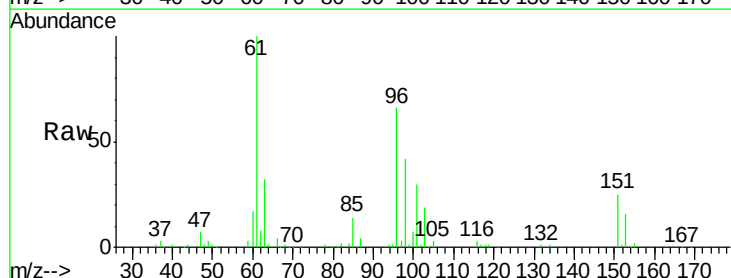
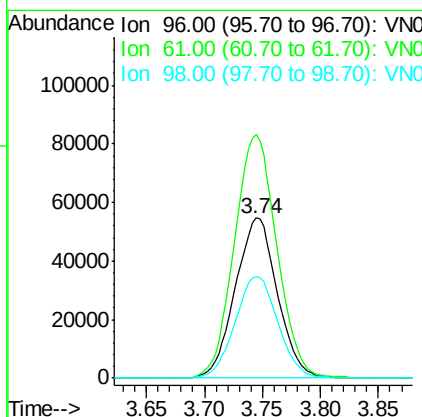
RT: 3.74 min Scan# 613

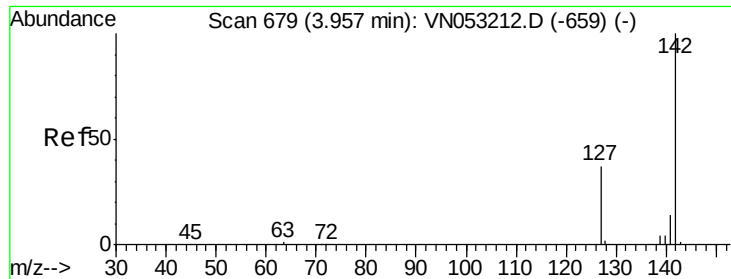
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	96	Resp:	138103
Ion Ratio	Lower	Upper	
96	100		
61	151.6	129.4	194.2
98	63.2	50.4	75.6





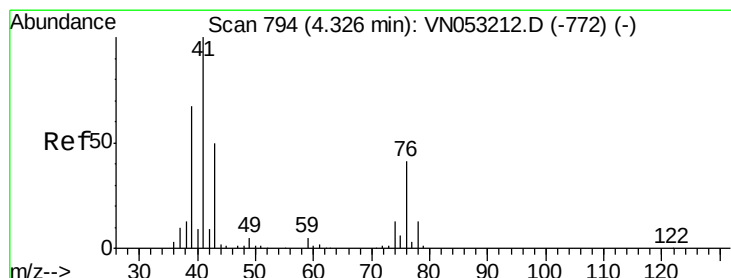
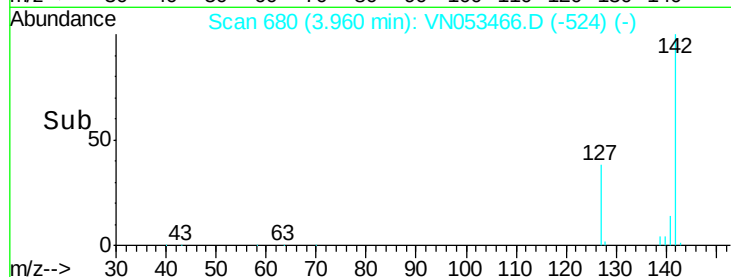
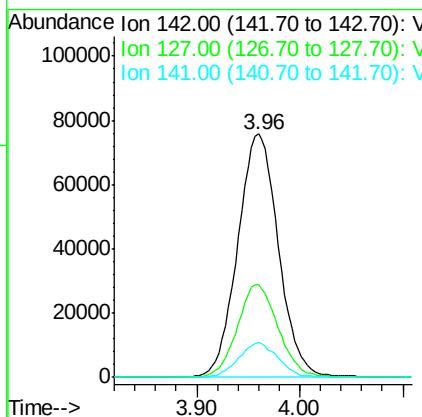
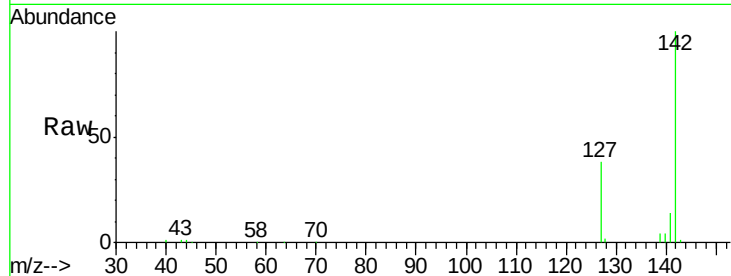
#11
Methvl Iodide
Concen: 18.562 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.0	19.4	58.1
141	14.3	7.2	21.6

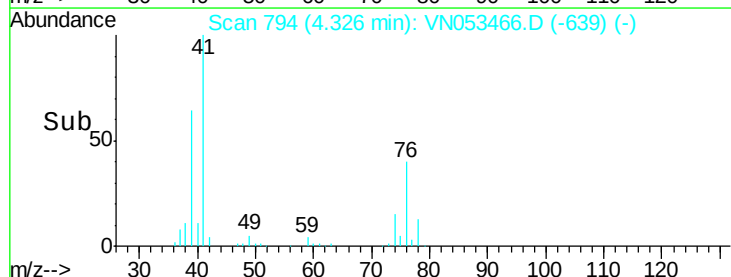
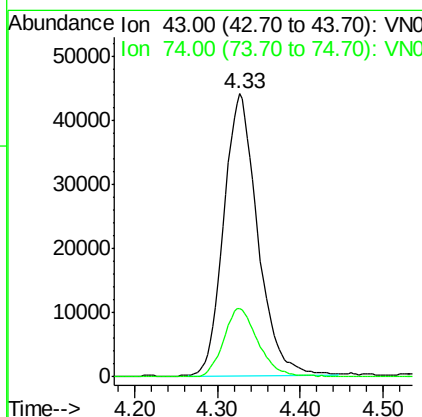
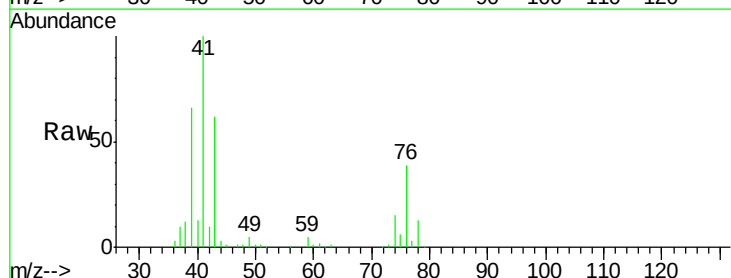
Manual Integrations
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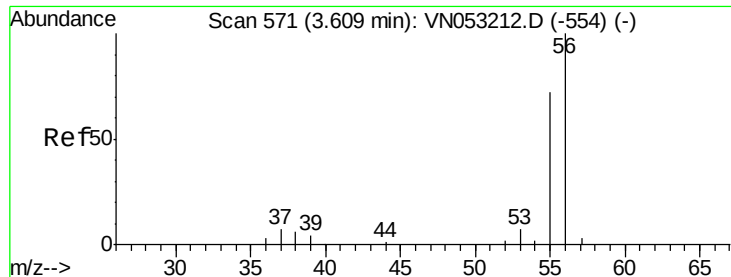
MMDadoda
1/21/2019 10:48:00 AM



#12
Methyl Acetate
Concen: 21.122 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3





#13

Acrolein

Concen: 95.725 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tot Ion: 56 Resp: 68025

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1

Instrument :

MSVOA_N

ClientSampleId :

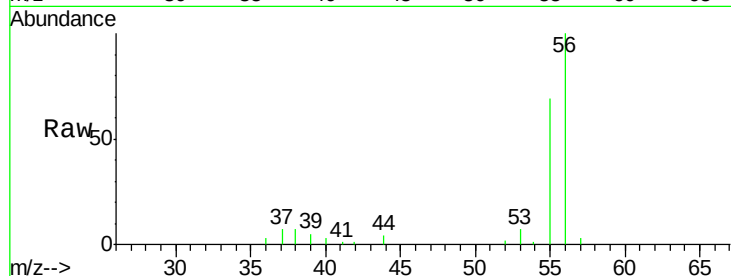
VSTDCCC020EC

Manual Integrations

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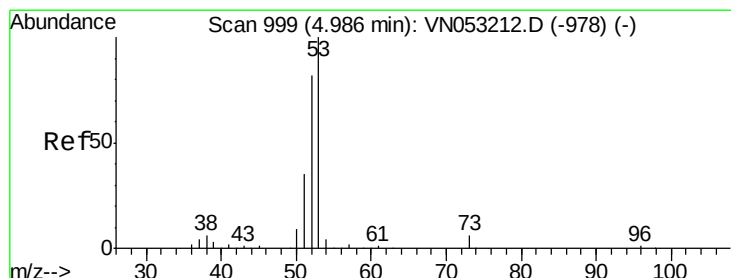
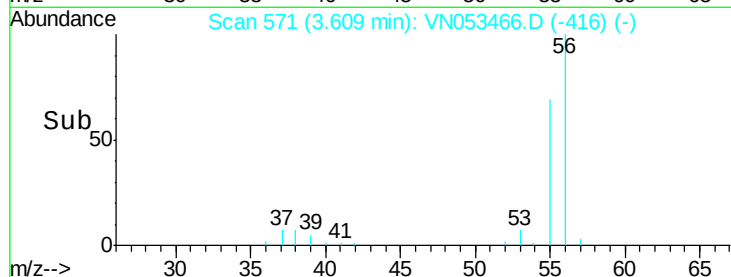
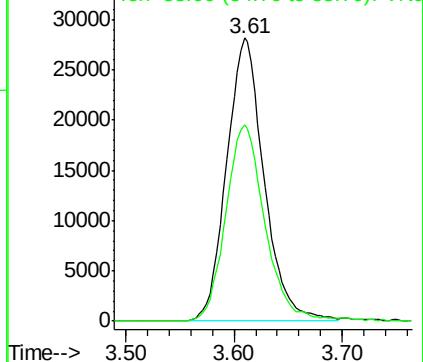
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.442 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

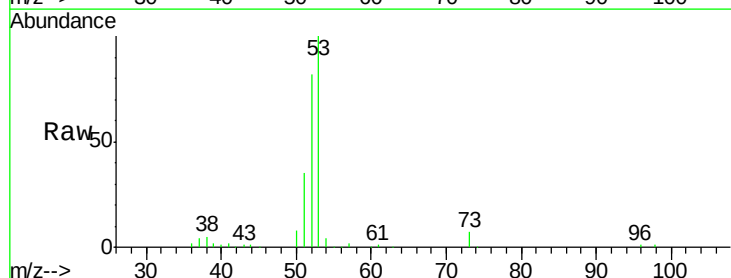
Tgt Ion: 53 Resp: 270115

Ion Ratio Lower Upper

53 100

52 80.7 39.9 119.7

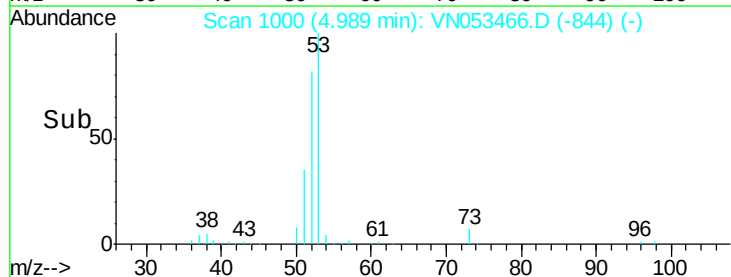
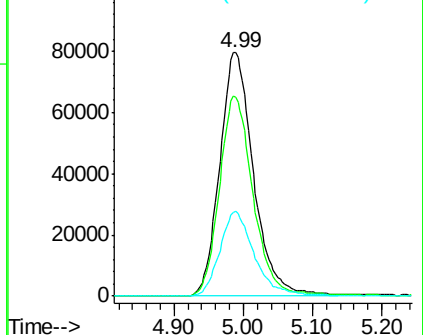
51 35.1 17.6 52.9

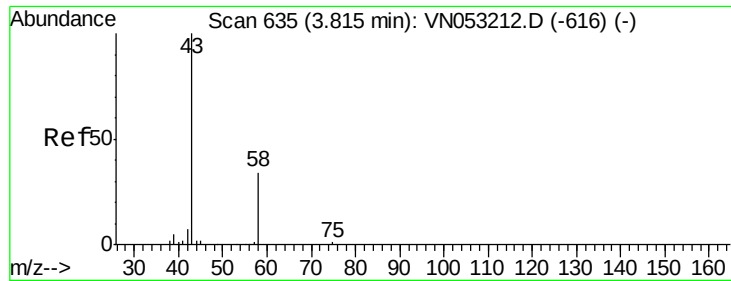


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 119.336 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 67533

Ion Ratio Lower Upper

58 100

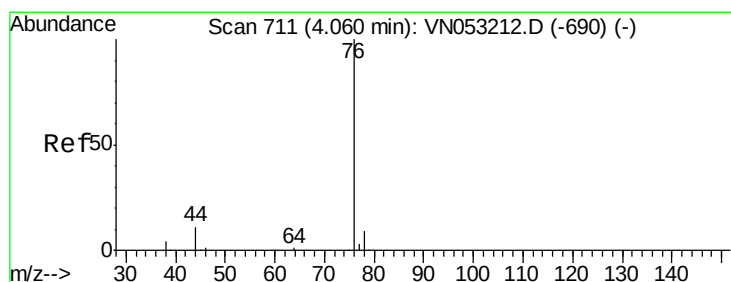
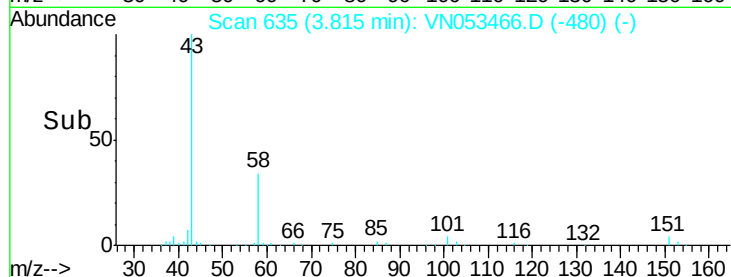
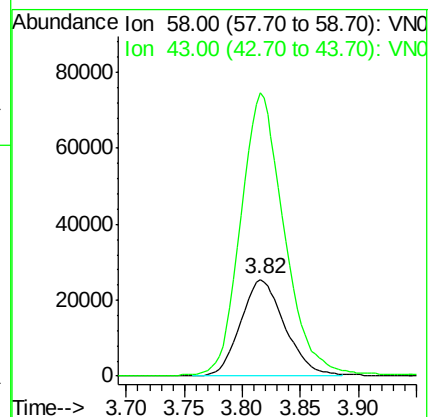
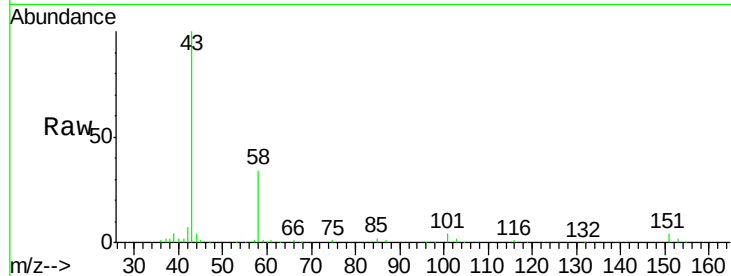
43 291.4 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 16.534 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053466.D

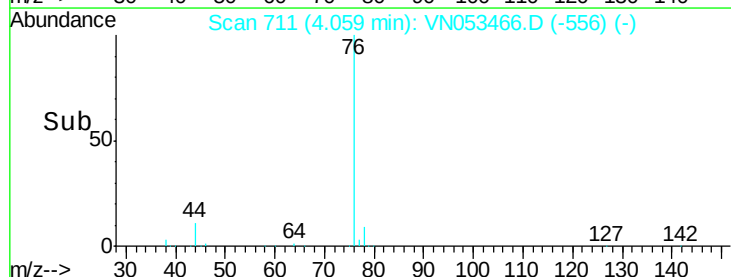
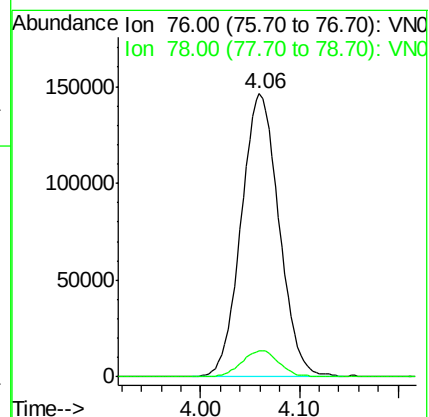
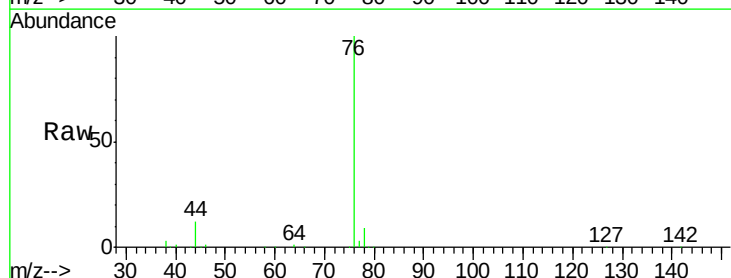
Acq: 18 Jan 2019 12:14

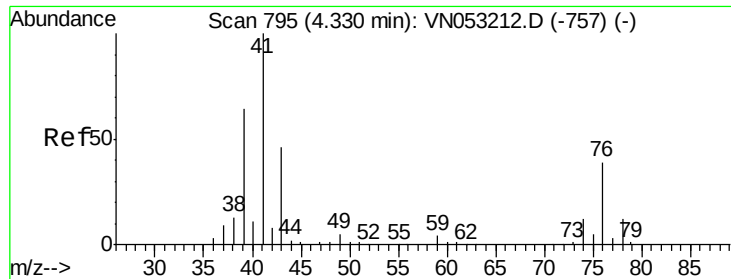
Tgt Ion: 76 Resp: 388418

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





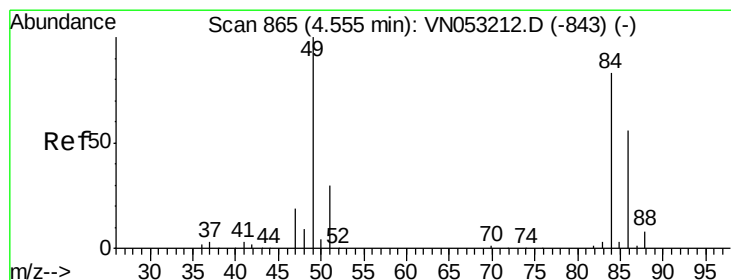
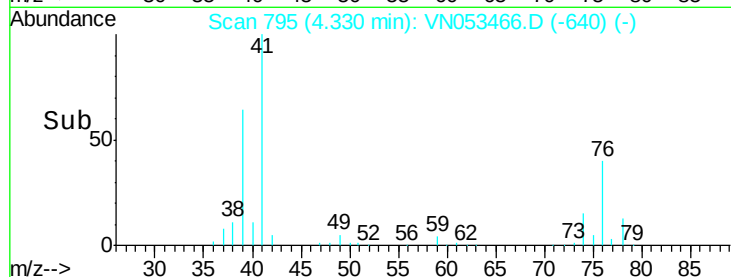
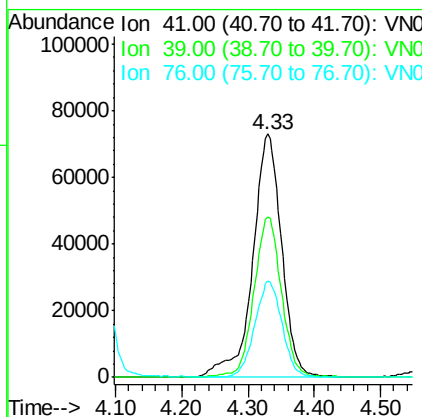
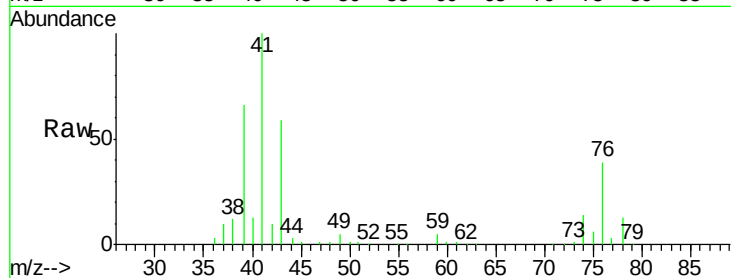
#17
Allvl chloride
Concen: 18.474 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	221930
Ion	Ratio	Lower	Upper
41	100		
39	66.0	32.8	98.3
76	39.4	18.6	55.8

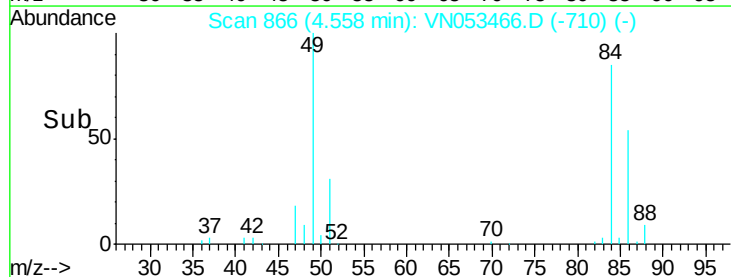
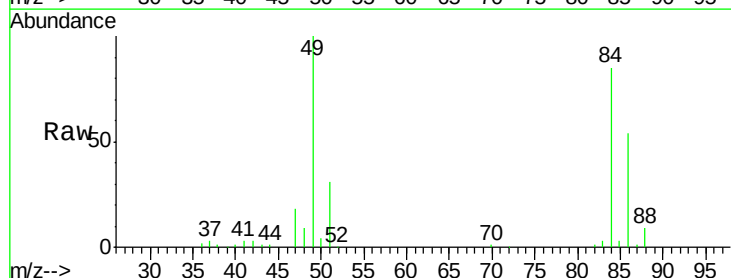
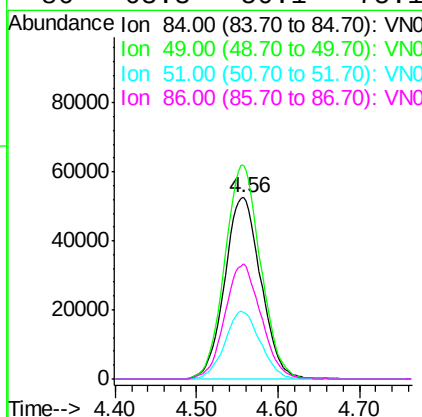
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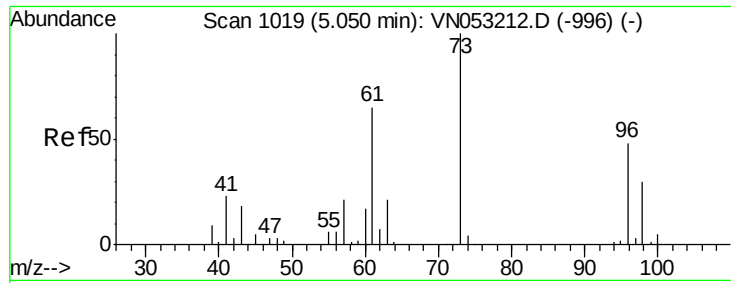
MMDadoda
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#18
Methylene Chloride
Concen: 18.663 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion:	84	Resp:	163114
Ion	Ratio	Lower	Upper
84	100		
49	117.4	101.4	152.0
51	36.9	31.7	47.5
86	63.3	50.1	75.1





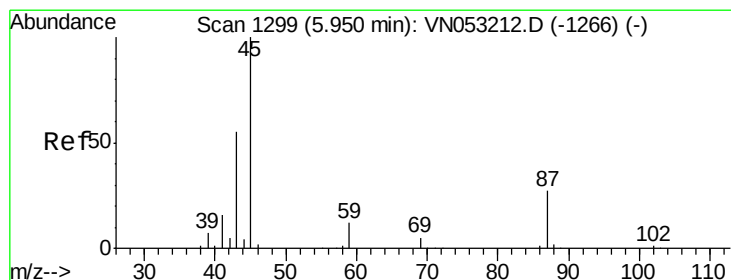
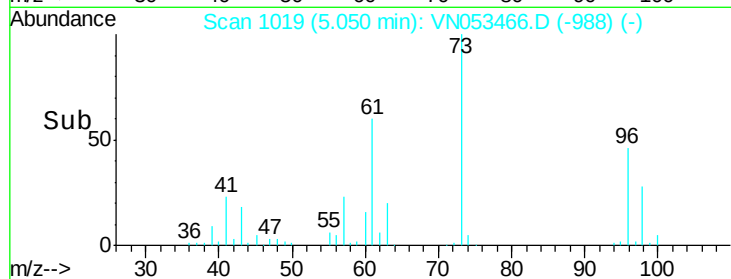
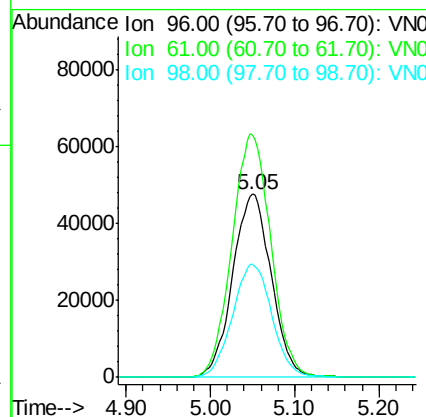
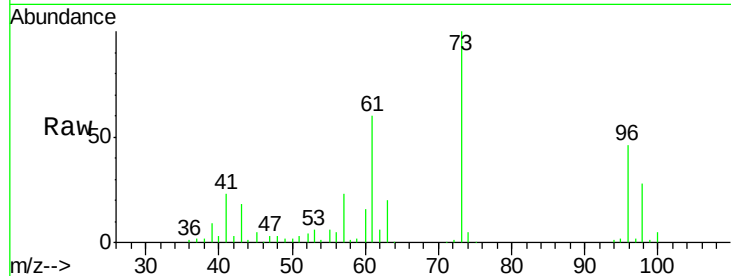
#19
trans-1,2-Dichloroethene
Concen: 18.801 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	132.0	118.2	177.4	
98	61.7	51.4	77.2	

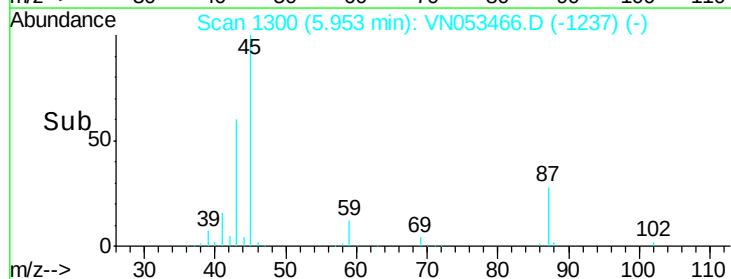
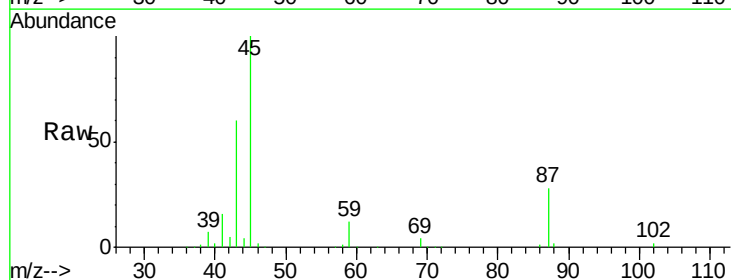
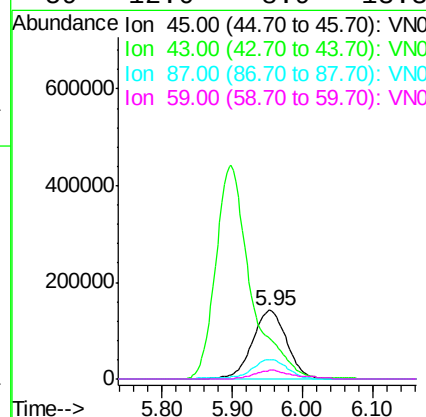
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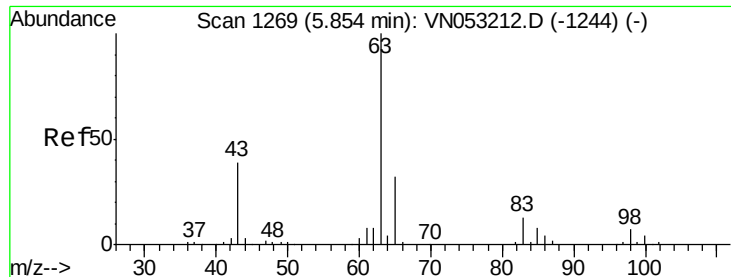
MMDadoda
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#20
Diisopropyl ether
Concen: 18.786 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.4	47.8	71.8	
87	28.4	21.3	31.9	
59	12.0	8.9	13.3	





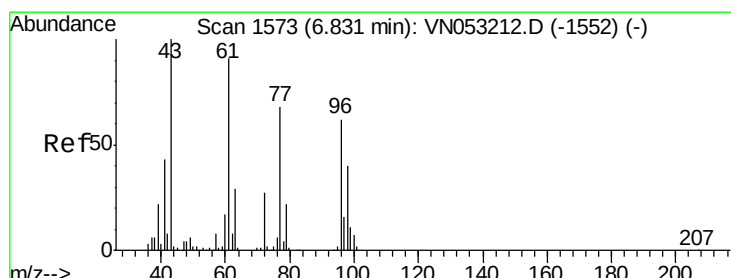
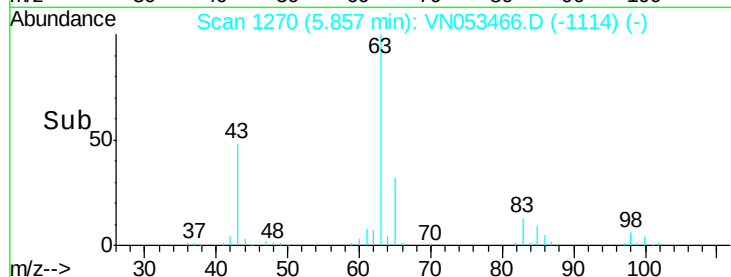
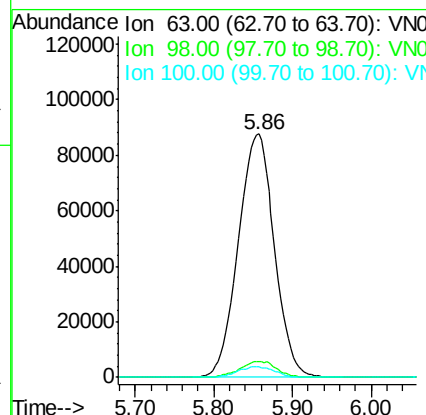
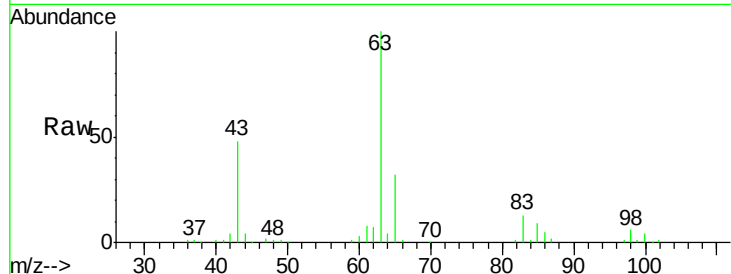
#21
 1,1-Dichloroethane
 Concen: 18.790 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	281461
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.0	9.2
100	4.2	1.8	5.5

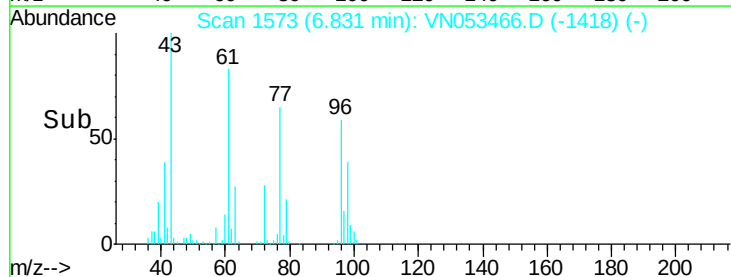
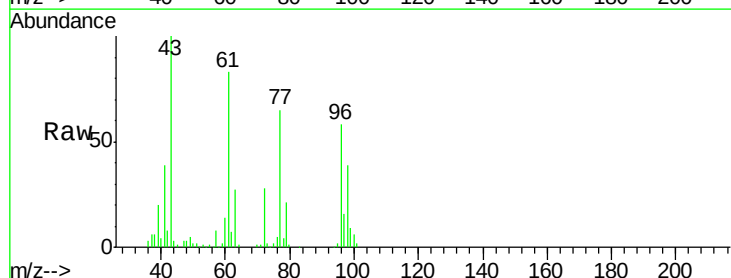
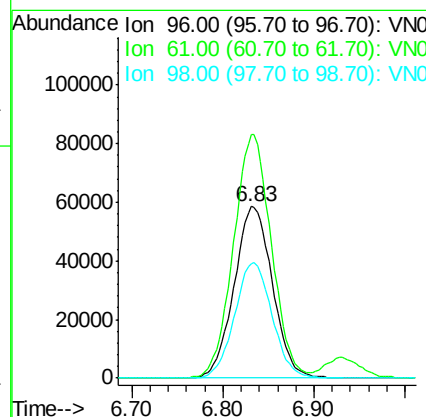
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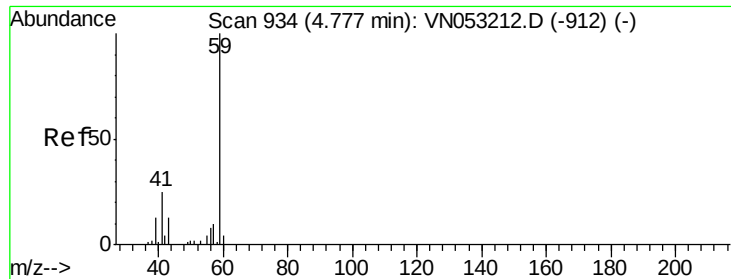
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#22
 cis-1,2-Dichloroethene
 Concen: 18.848 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion:	96	Resp:	171346
Ion Ratio	Lower	Upper	
96	100		
61	140.2	116.7	175.1
98	65.8	50.8	76.2





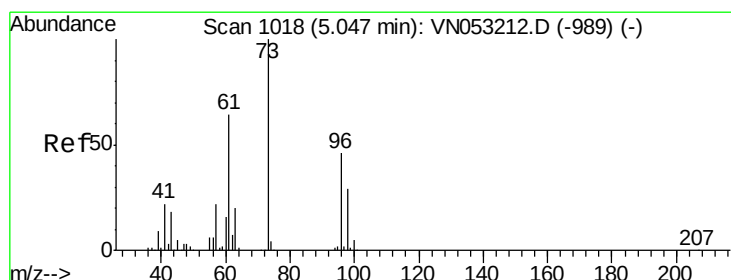
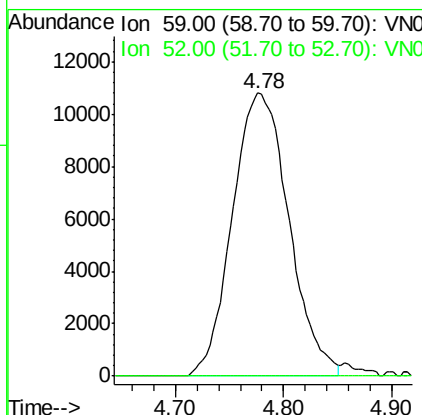
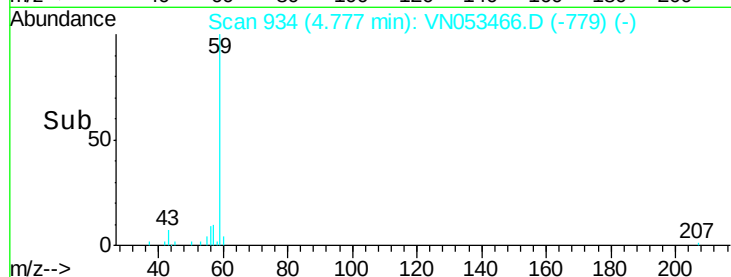
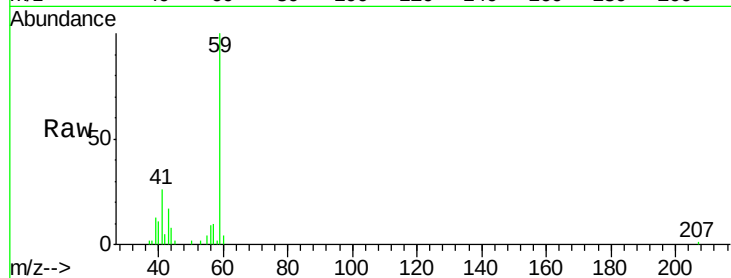
#23
 tert-Butyl Alcohol
 Concen: 87.588 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

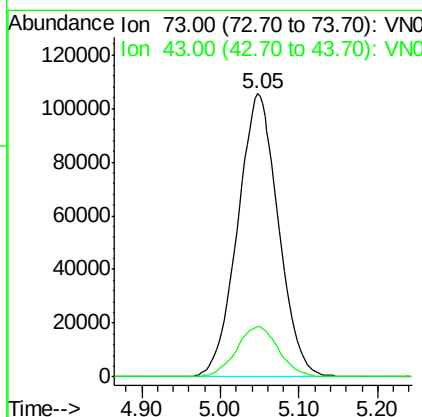
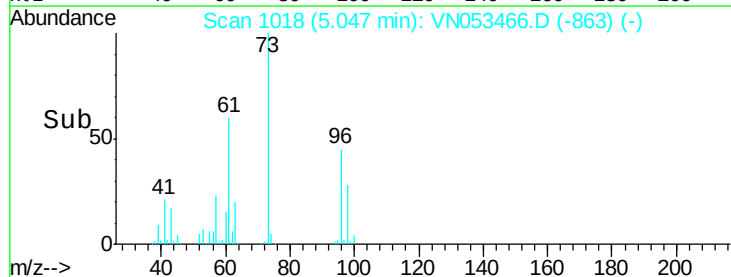
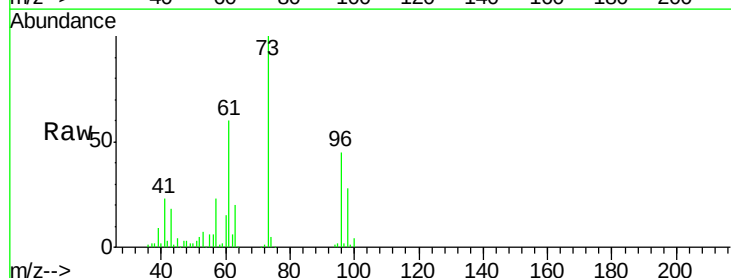
Manual Integrations
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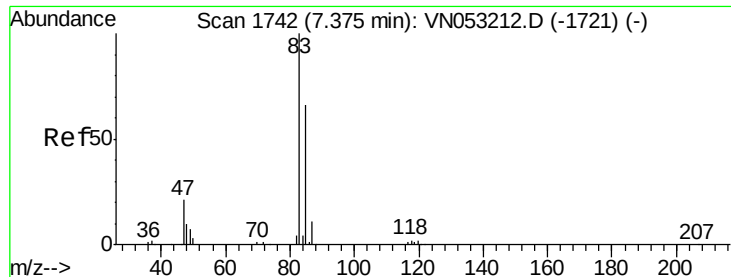
MMDadoda
 1/21/2019 10:48:00 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.239 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.5	15.8	23.8





#25

Chloroform

Concen: 19.379 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 279028

Ion Ratio Lower Upper

83 100

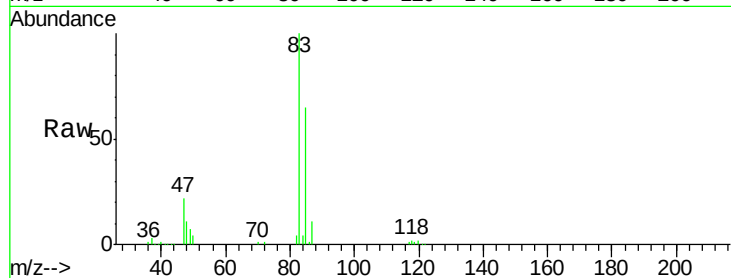
85 65.4 51.7 77.5

Manual Integrations

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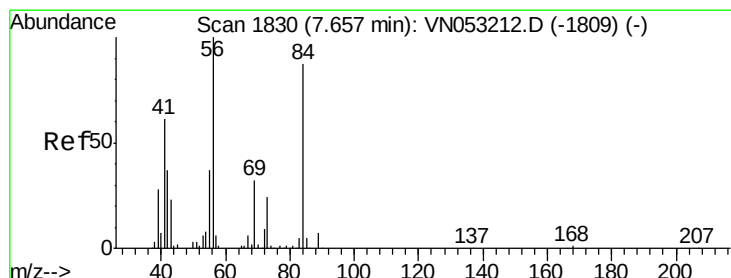
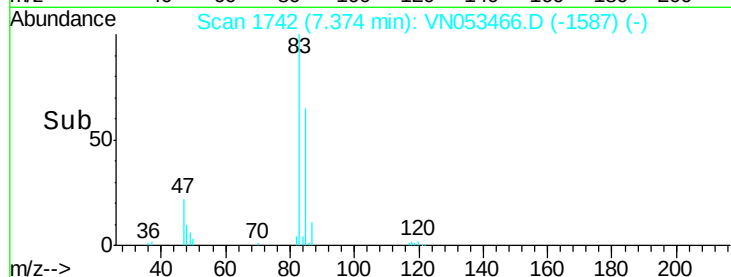
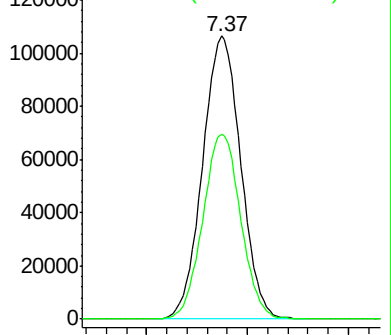
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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 17.530 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

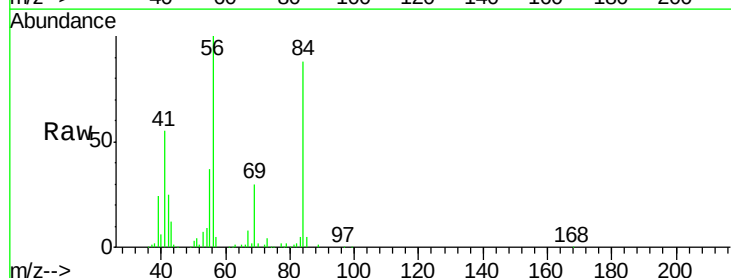
Tgt Ion: 56 Resp: 244929

Ion Ratio Lower Upper

56 100

89 1.1 0.5 0.7#

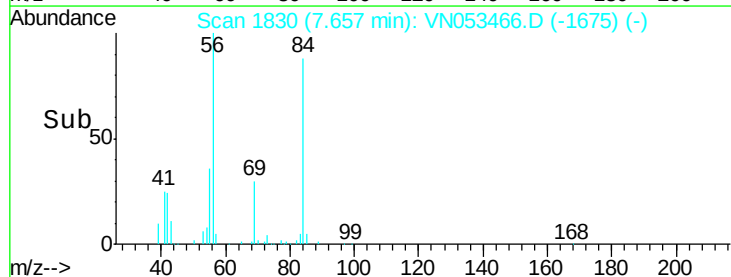
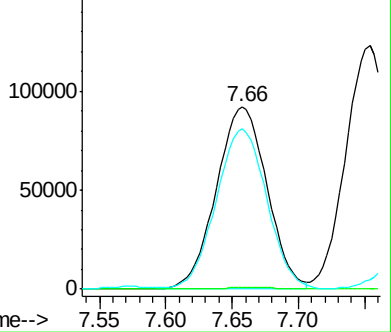
84 88.0 66.2 99.2

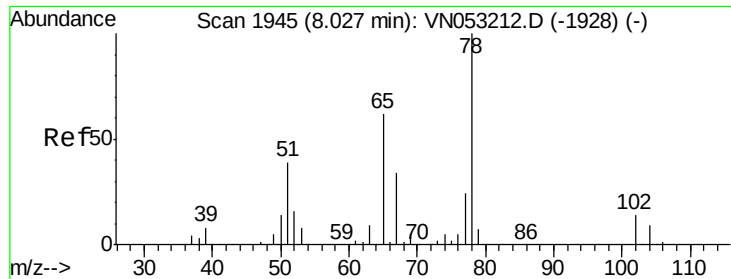


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





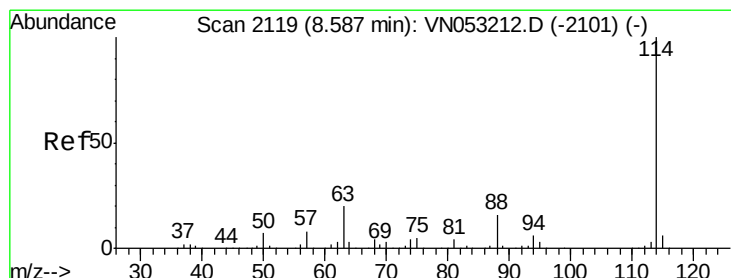
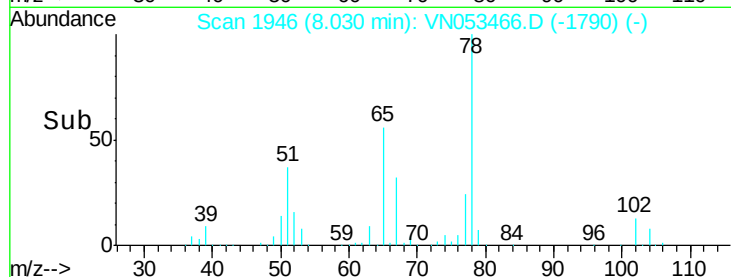
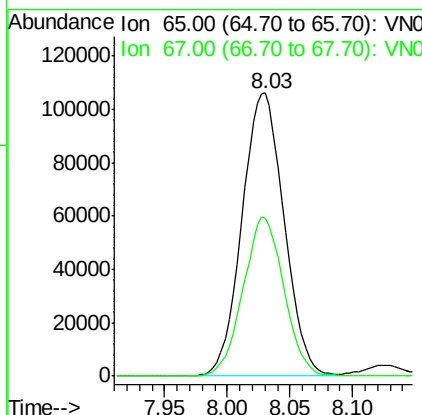
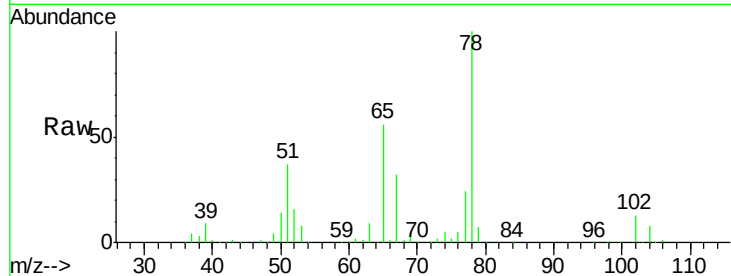
#27
 1,2-Dichloroethane-d4
 Concen: 17.530 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 247723
 Ion Ratio Lower Upper
 65 100
 67 54.5 44.6 66.8

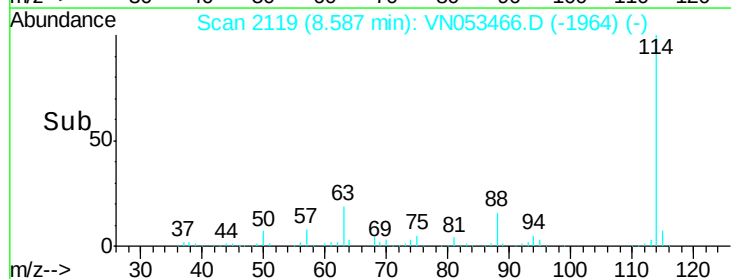
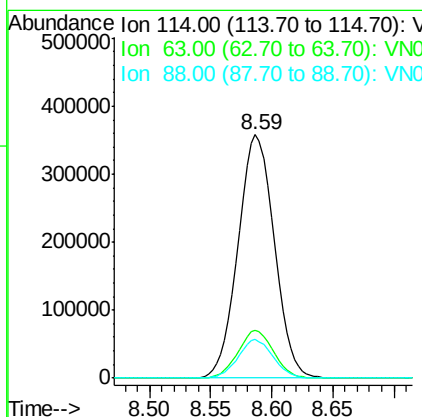
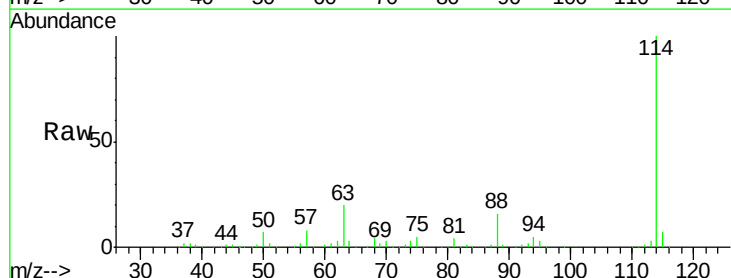
Manual Integrations
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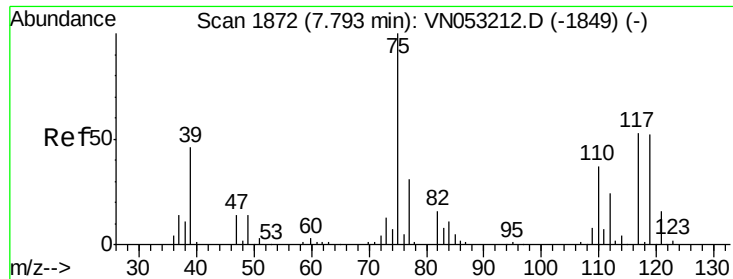
MMDadoda
 1/21/2019 10:48:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 114 Resp: 735236
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.9 25.3
 88 15.3 12.8 19.2





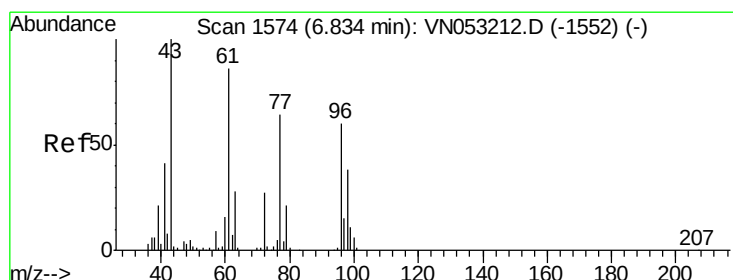
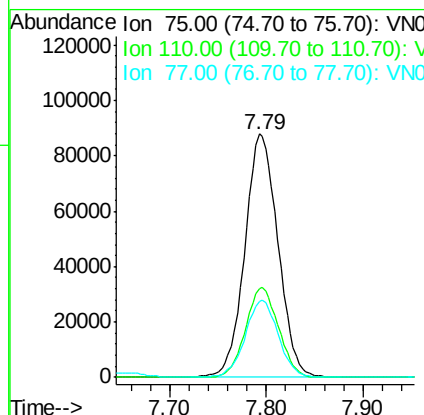
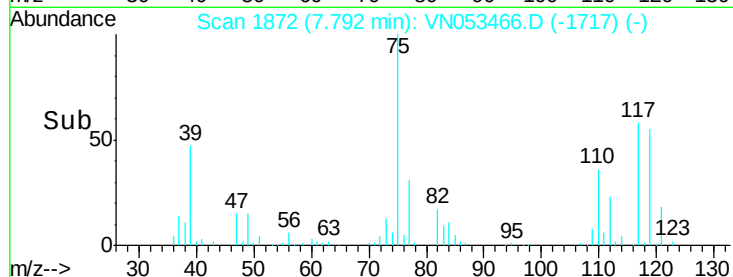
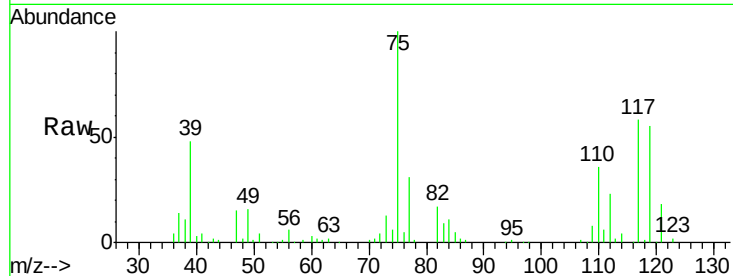
#29
 1,1-Dichloropropene
 Concen: 18.779 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.6	0.0	70.2
77	31.6	0.0	62.6

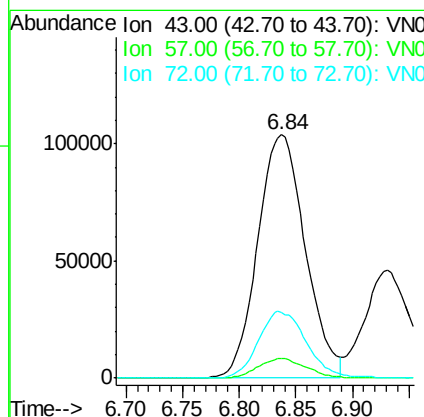
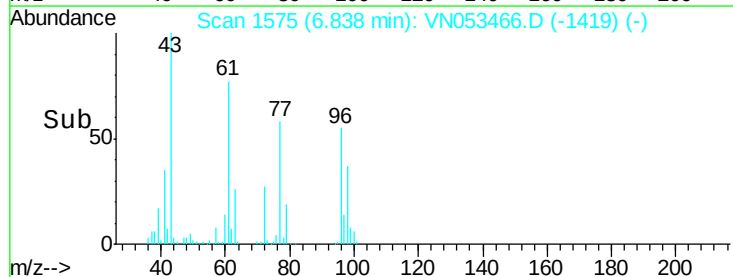
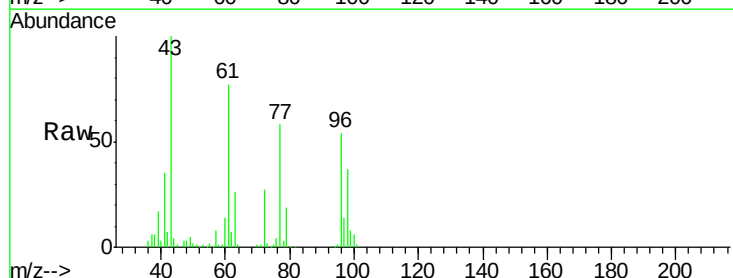
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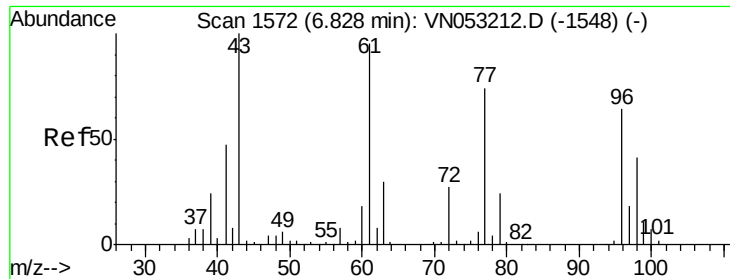
MMDadoda
 1/21/2019 10:48:00 AM



#30
 2-Butanone
 Concen: 108.982 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	27.8	21.0	31.6





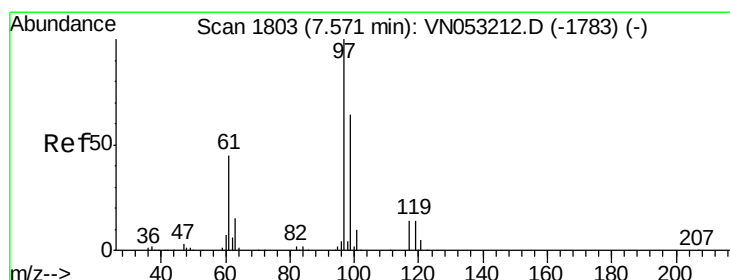
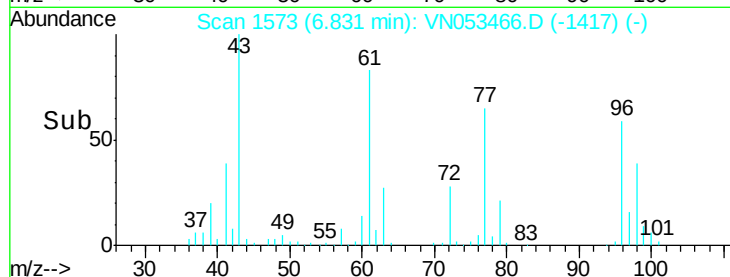
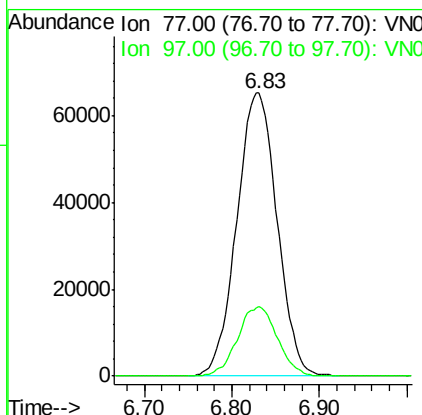
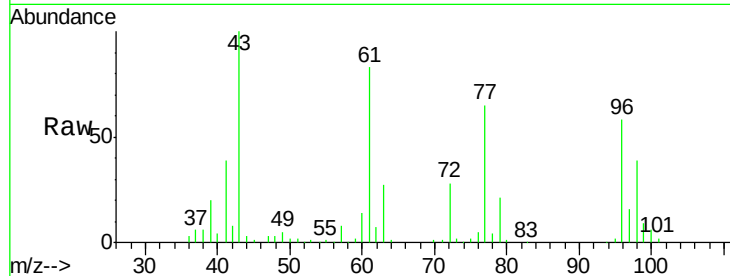
#31
 2,2-Dichloropropane
 Concen: 19.308 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 208166
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1

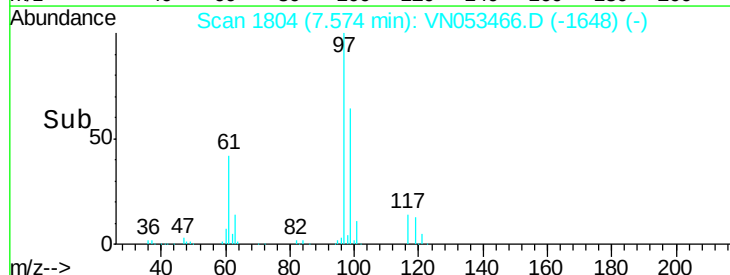
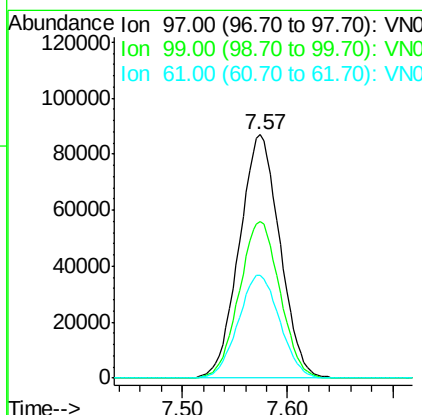
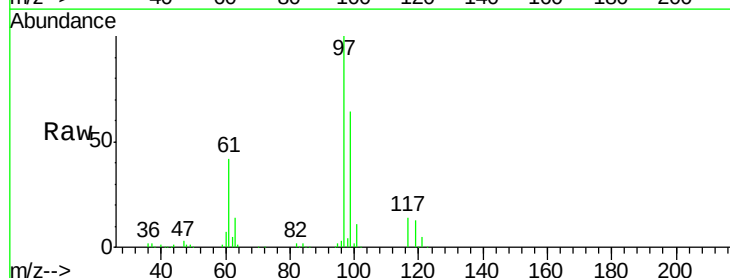
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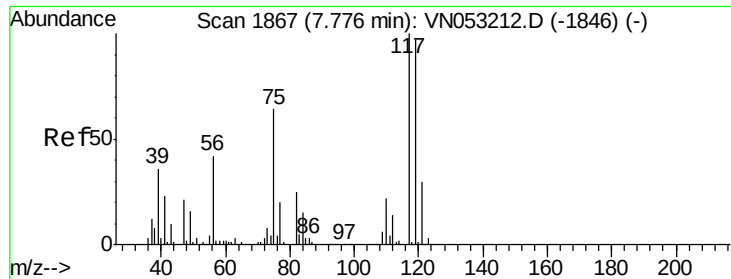
MMDadoda
 1/21/2019 10:48:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.956 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 97 Resp: 232856
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 43.1 38.1 57.1





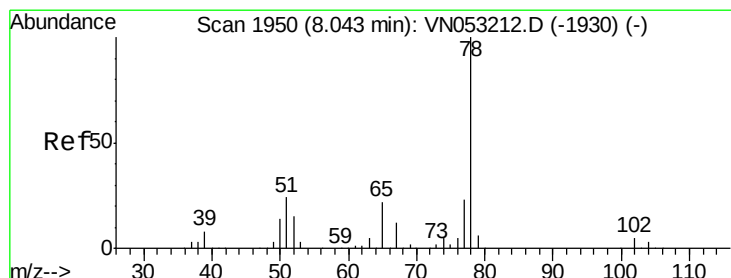
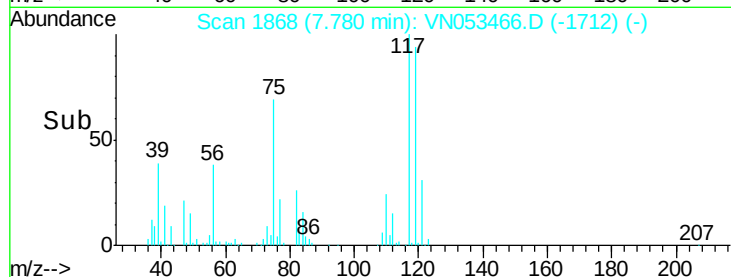
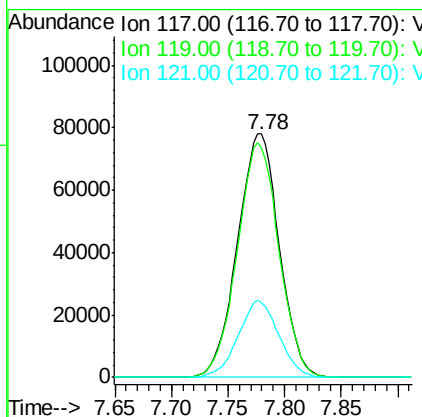
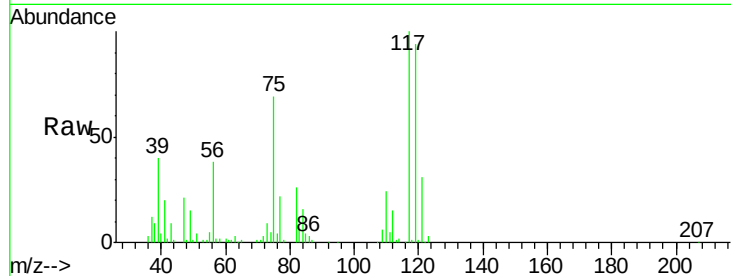
#33
Carbon Tetrachloride
Concen: 19.628 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.3	115.9
121	30.9	24.9	37.3

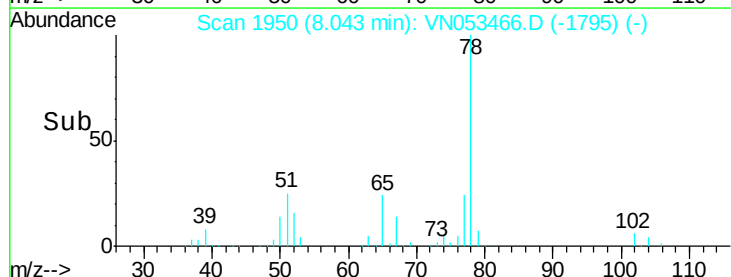
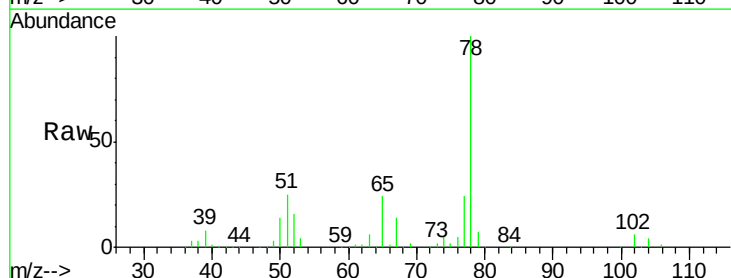
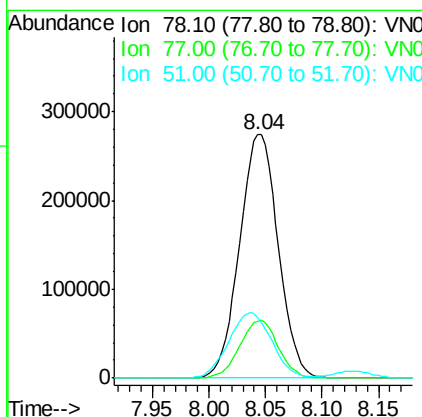
Manual Integrations
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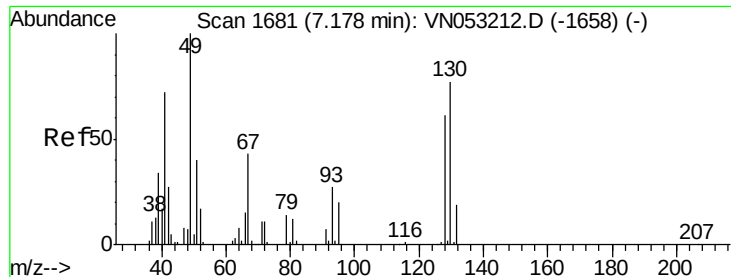
MMDadoda
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#34
Benzene
Concen: 19.456 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6
51	24.8	20.5	30.7





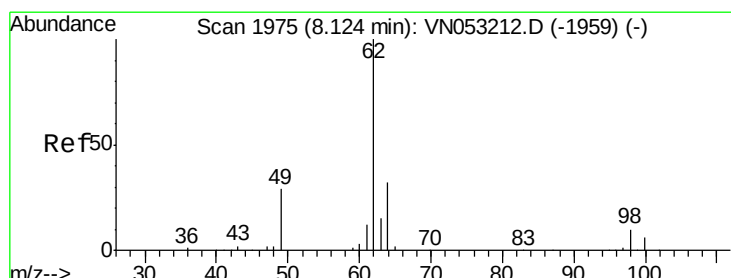
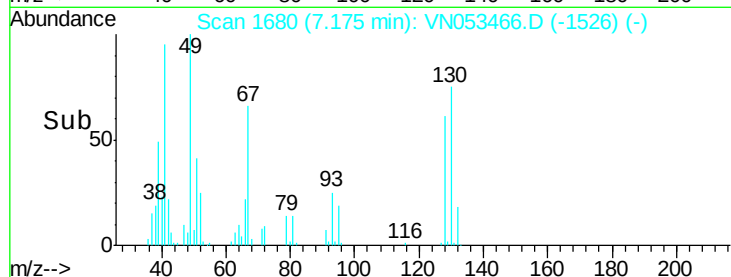
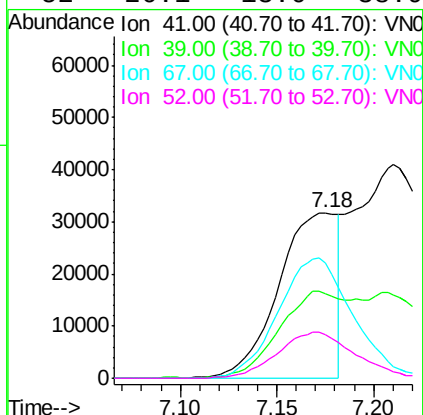
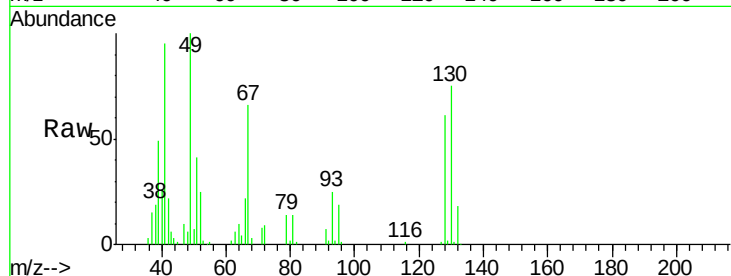
#35
Methacrylonitrile
Concen: 18.820 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	67477
Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.6	79.7
67	69.4	32.3	96.9
52	26.1	13.0	38.9

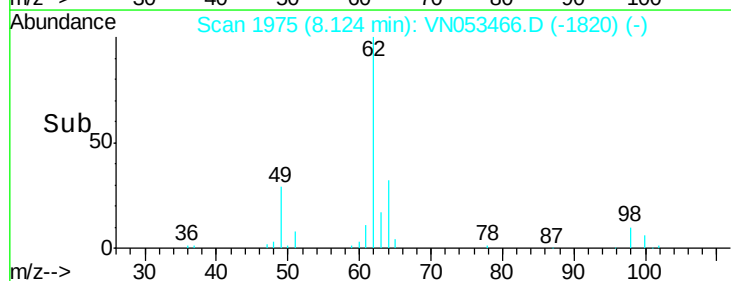
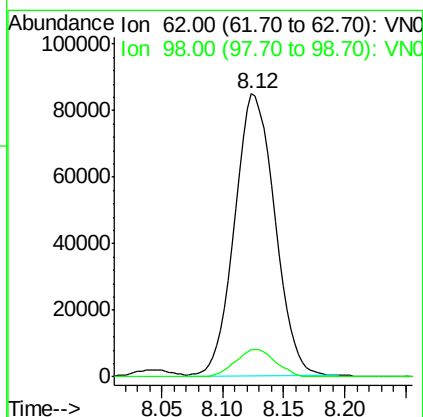
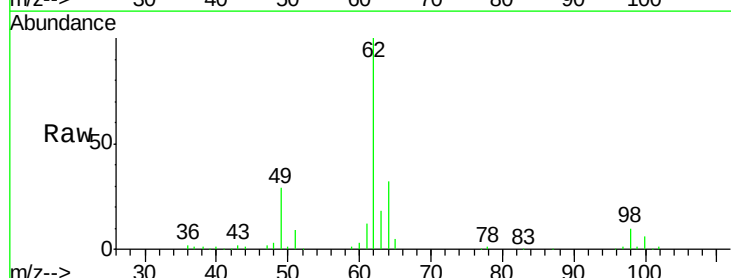
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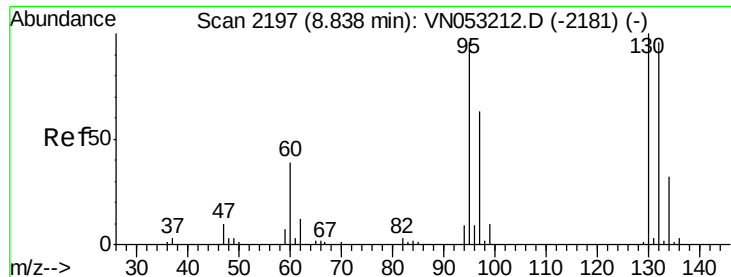
MMDadoda
1/21/2019 10:48:00 AM



#36
1,2-Dichloroethane
Concen: 20.002 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	62	Resp	194354
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2





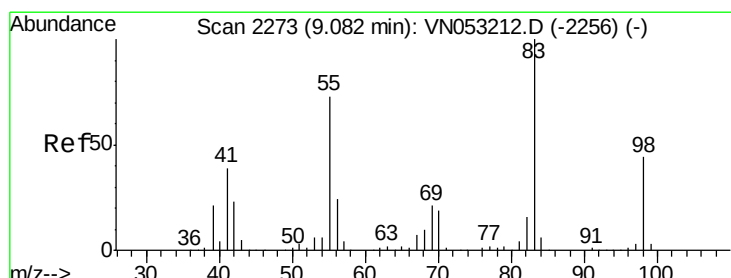
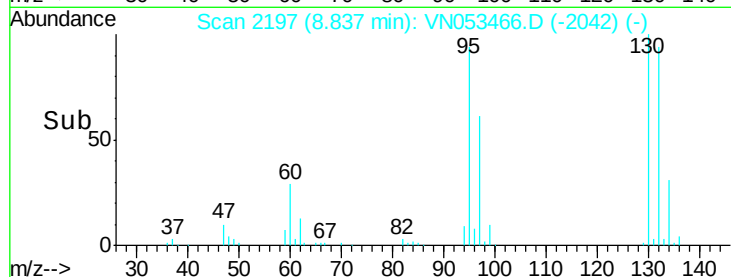
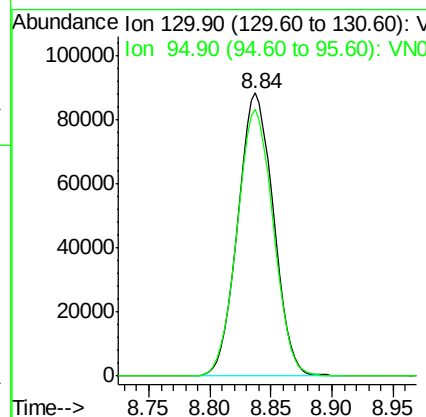
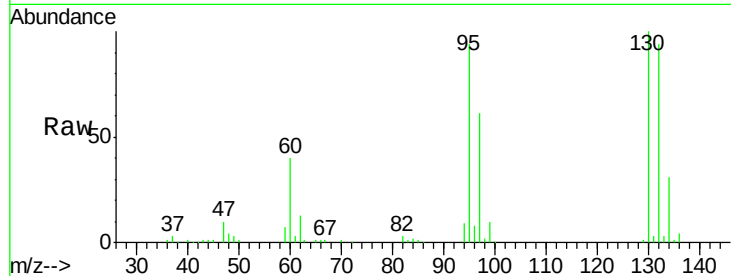
#37
 Trichloroethene
 Concen: 19.716 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 178769
 Ion Ratio Lower Upper
 130 100
 95 94.1 81.0 121.4

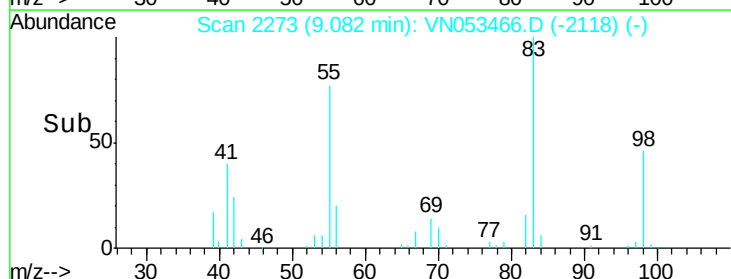
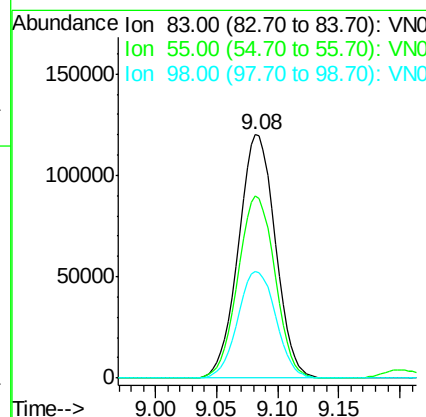
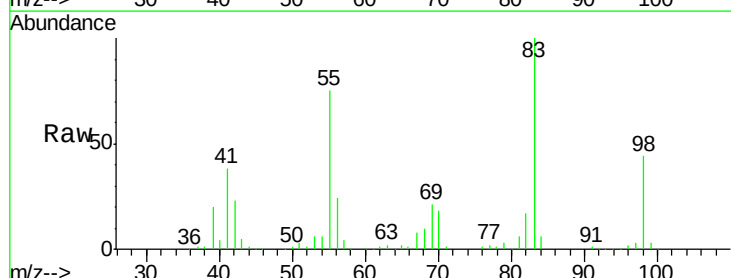
Manual Integrations
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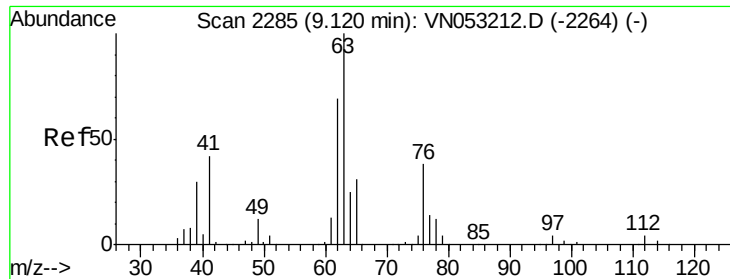
MMDadoda
 1/21/2019 10:48:00 AM



#38
 Methylcyclohexane
 Concen: 19.334 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 83 Resp: 251853
 Ion Ratio Lower Upper
 83 100
 55 75.4 39.8 119.4
 98 45.2 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.488 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 170325

Ion Ratio Lower Upper

63 100

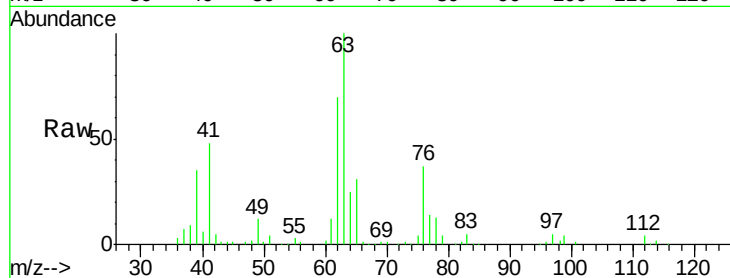
65 31.3 23.6 35.4

Manual Integrations

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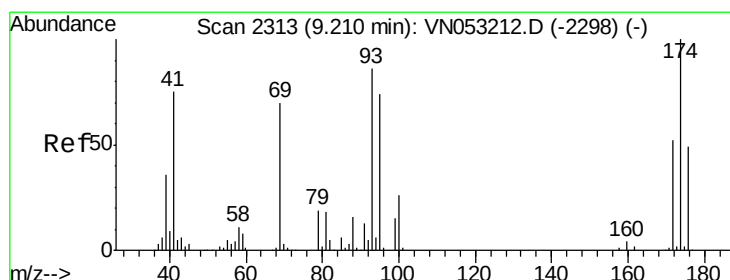
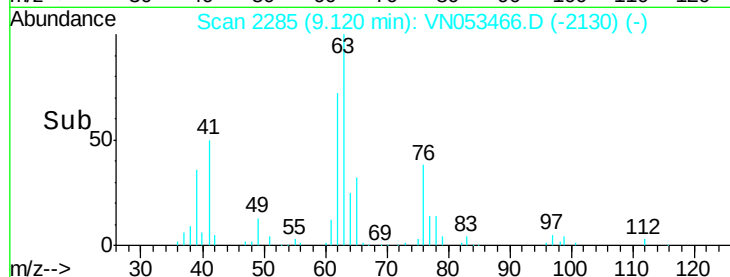
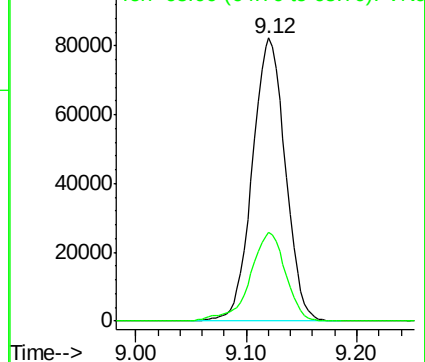
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.529 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

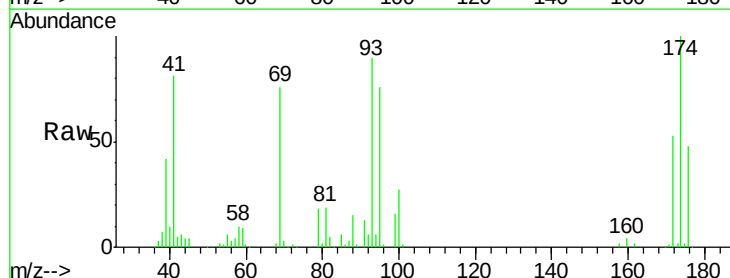
Tgt Ion: 93 Resp: 101469

Ion Ratio Lower Upper

93 100

95 84.7 0.0 168.4

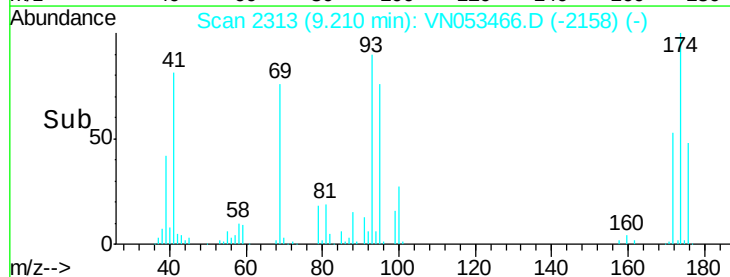
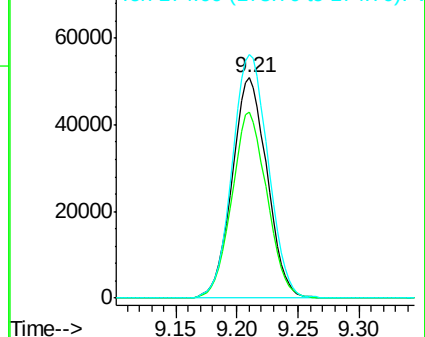
174 113.3 0.0 210.0

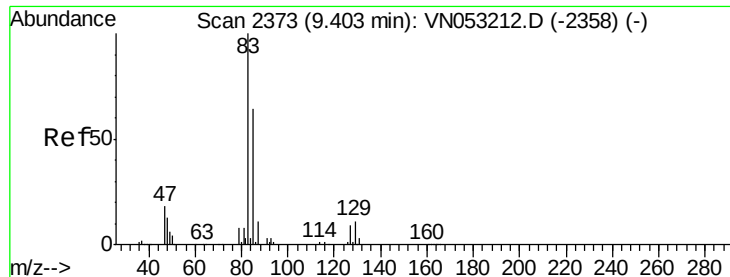


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.583 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

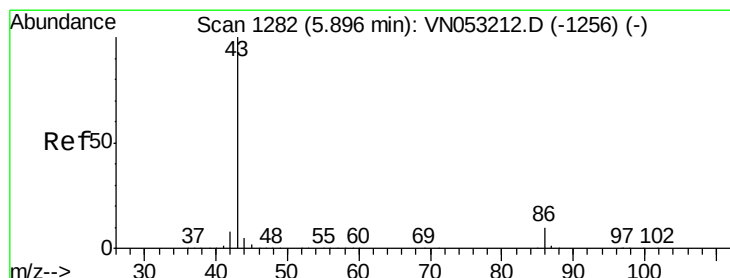
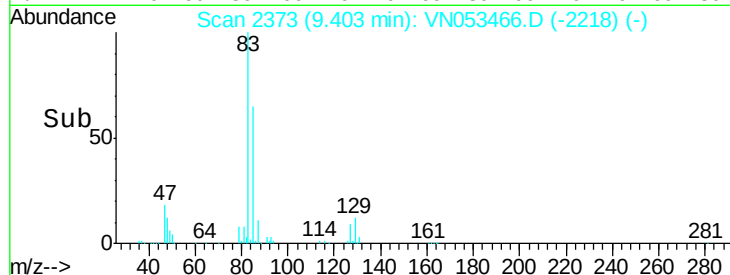
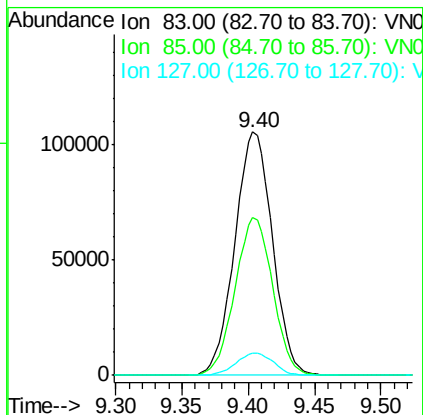
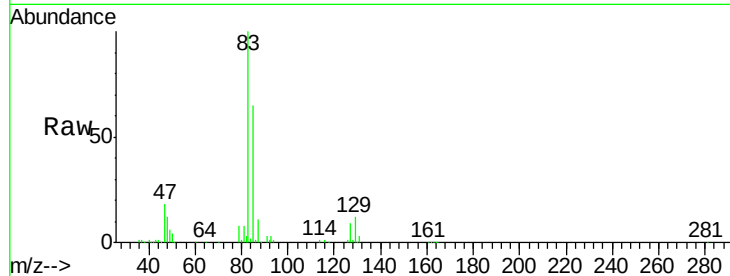
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	207866
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.4	78.6
127	9.0	6.6	9.8

Manual Integrations
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1/21/2019 10:48:00 AM



#42

Vinyl Acetate

Concen: 100.938 ug/l

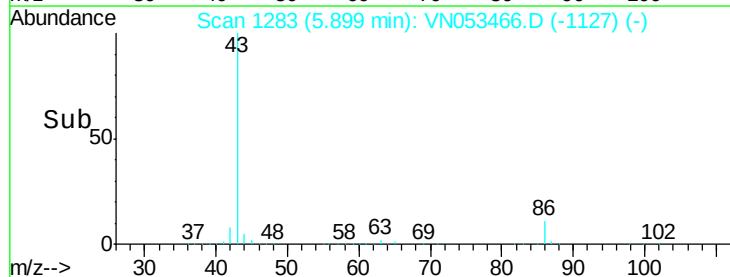
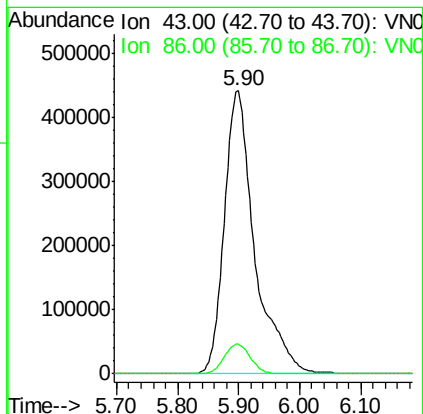
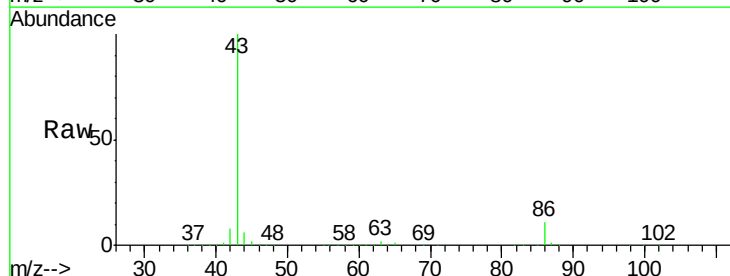
RT: 5.90 min Scan# 1283

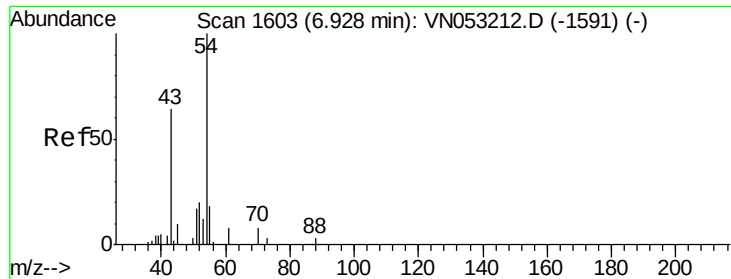
Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	43	Resp:	1530079
Ion Ratio	Lower	Upper	
43	100		
86	9.2	6.5	9.7





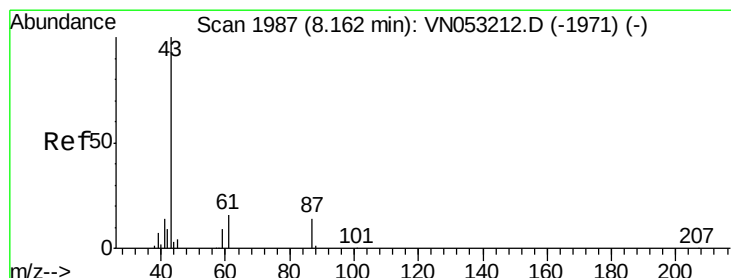
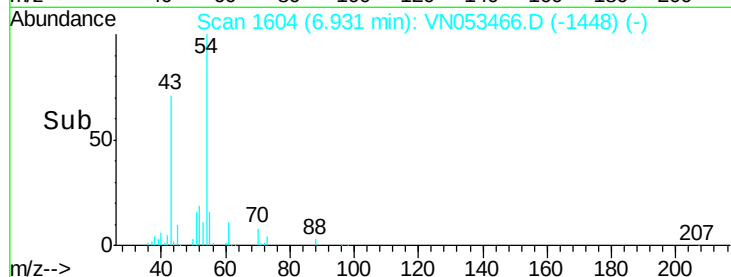
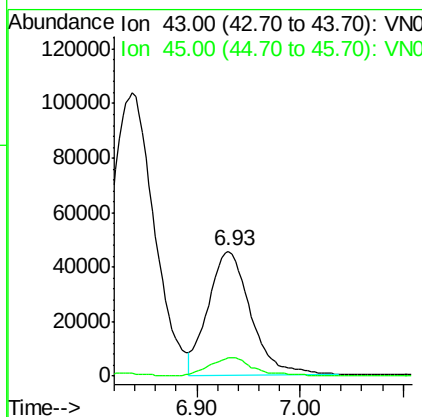
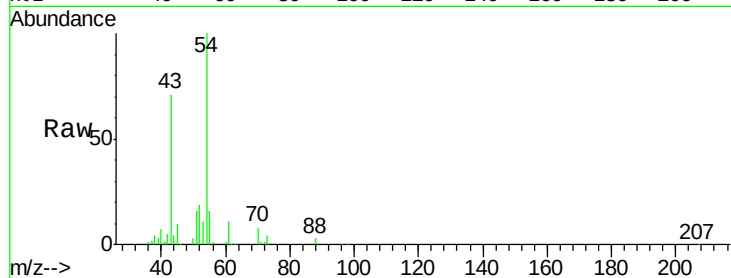
#43
Ethyl Acetate
Concen: 20.888 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
129613	100			
45	14.1	1.0	1.6	

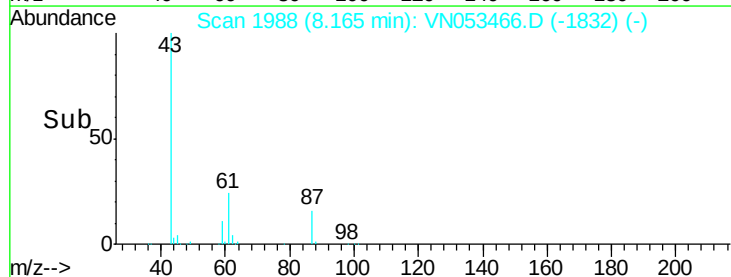
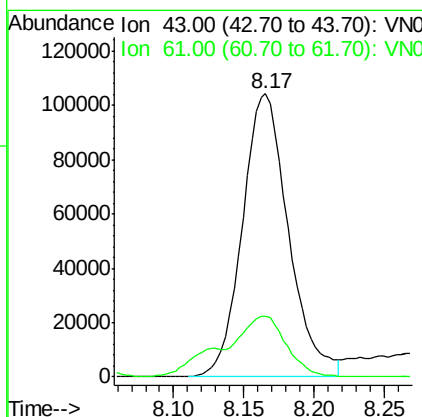
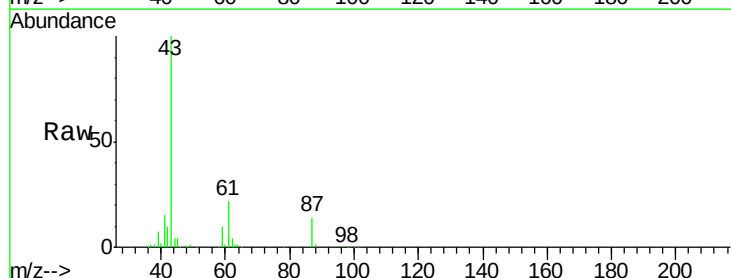
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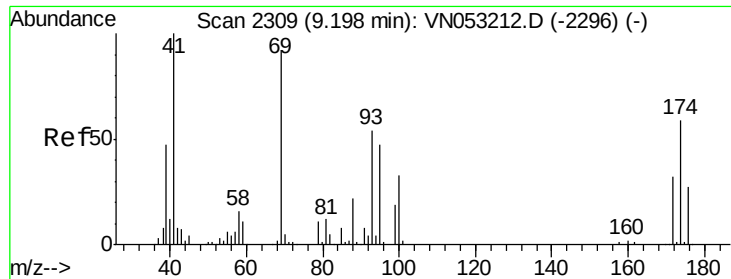
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.464 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	43	Ratio	Lower	Upper
236542	100			
61	21.7	16.0	24.0	





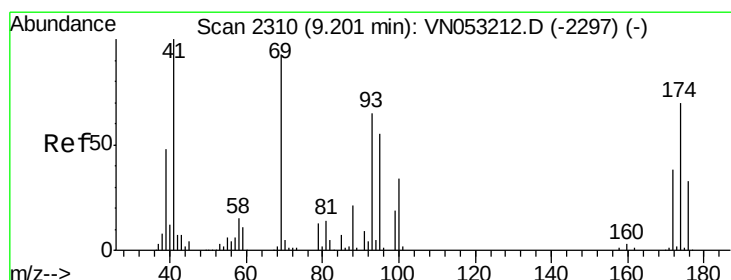
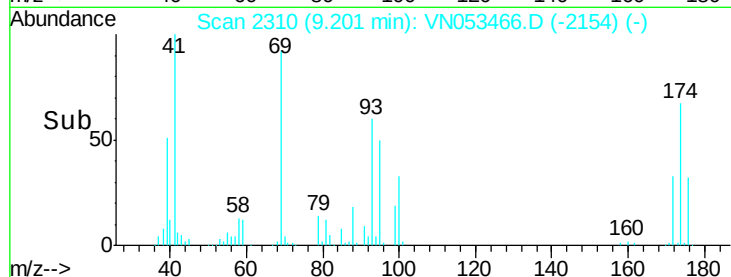
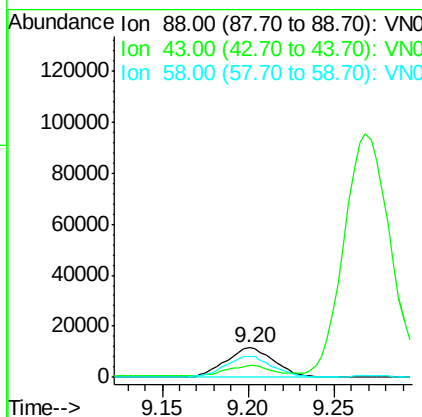
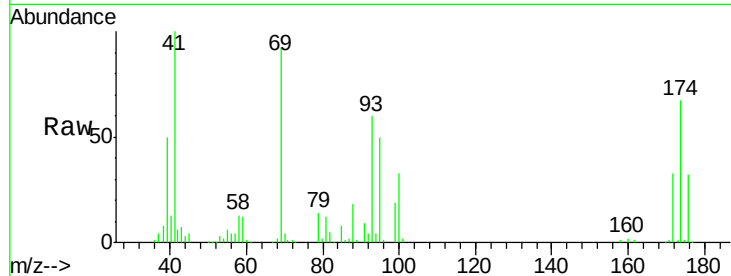
#45
 1,4-Dioxane
 Concen: 325.798 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	23028
Ion	Ratio	Lower	Upper
88	100		
43	30.6	29.5	44.3
58	69.2	61.5	92.3

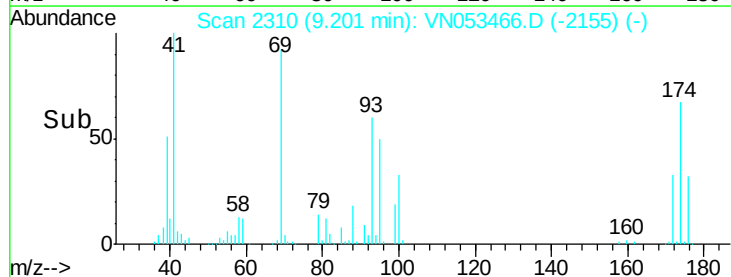
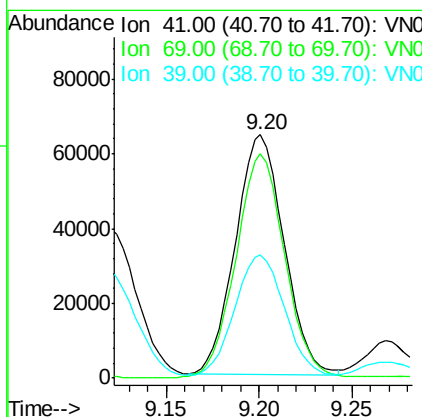
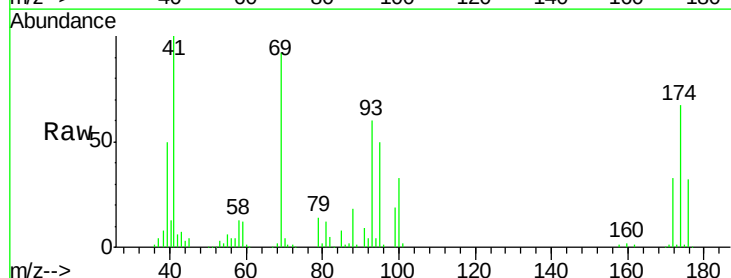
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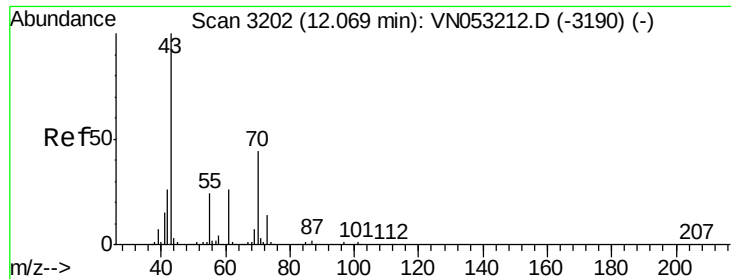
MMDadoda
 1/21/2019 10:48:00 AM



#46
 Methyl methacrylate
 Concen: 19.993 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	41	Resp	116745
Ion	Ratio	Lower	Upper
41	100		
69	92.8	42.5	127.6
39	50.1	26.3	78.9





#47

n-amvl Acetate

Concen: 20.095 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 203986

Ion Ratio Lower Upper

43 100

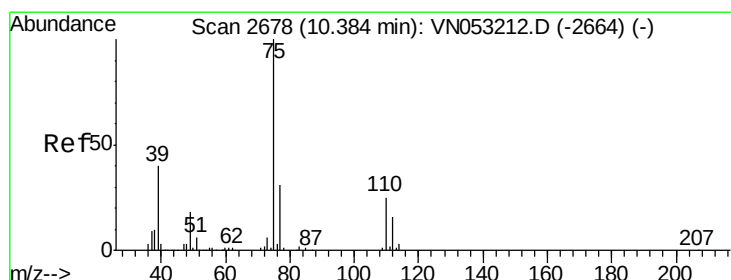
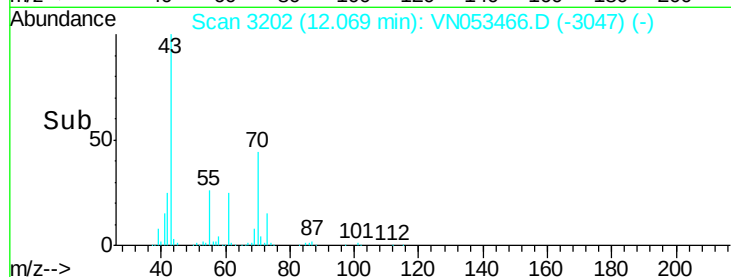
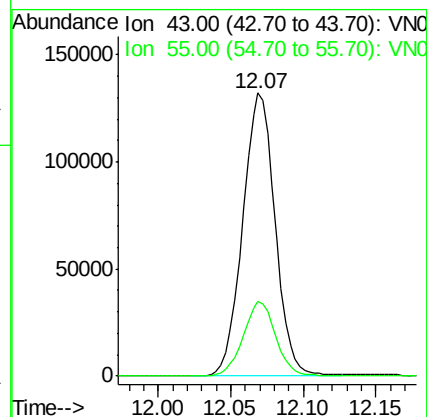
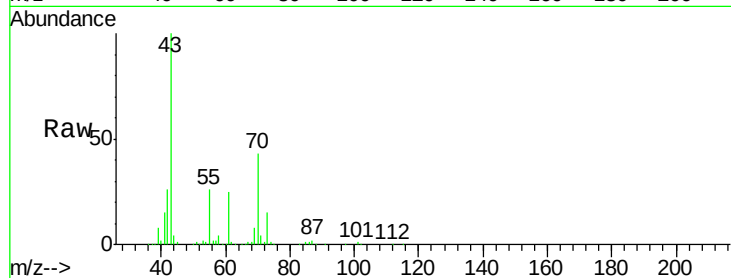
55 26.6 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 19.477 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN053466.D

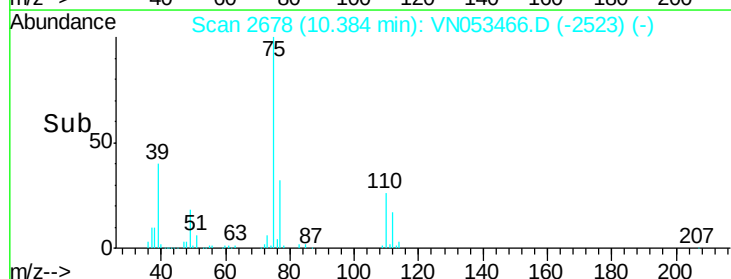
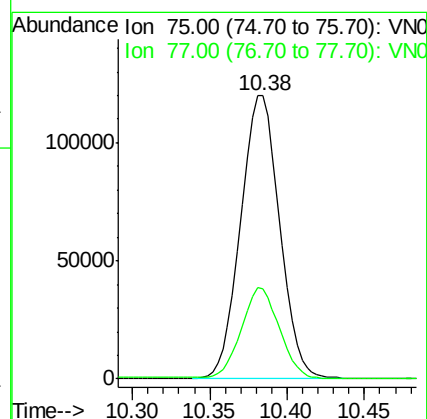
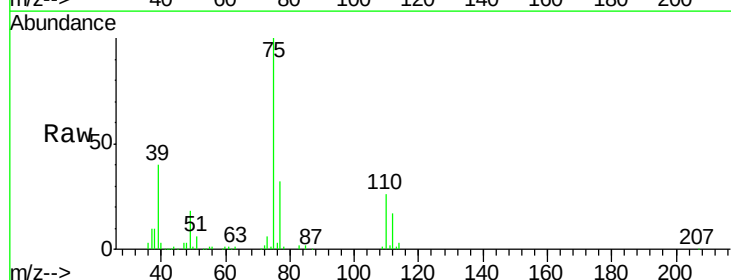
Acq: 18 Jan 2019 12:14

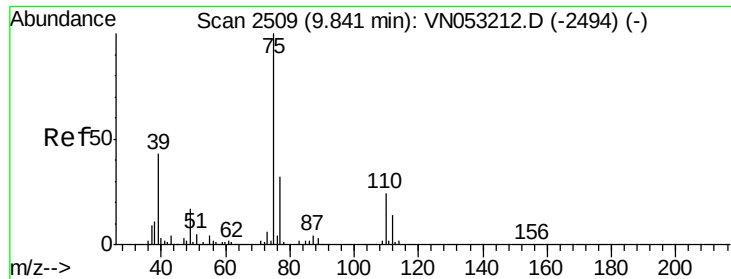
Tgt Ion: 75 Resp: 211009

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.343 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

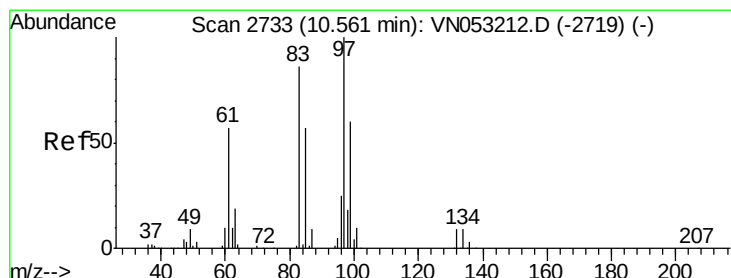
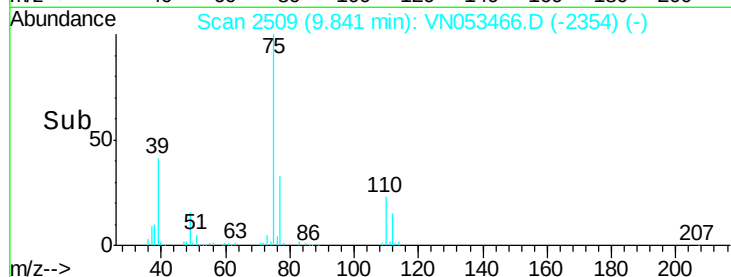
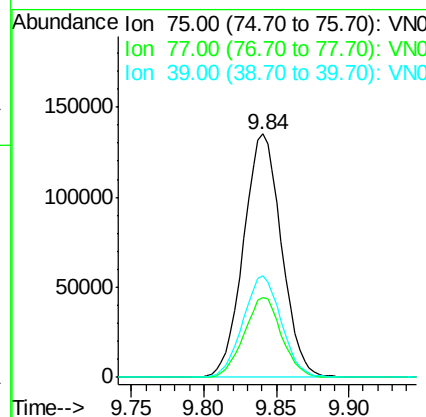
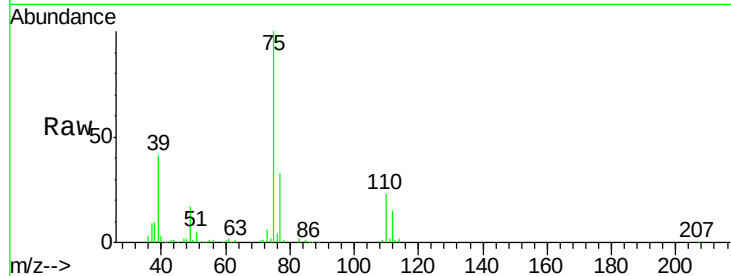
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	246757
Ion Ratio	Lower	Upper	
75	100		
77	32.9	25.4	38.0
39	41.5	37.3	55.9

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#50

1,1,2-Trichloroethane

Concen: 20.474 ug/l

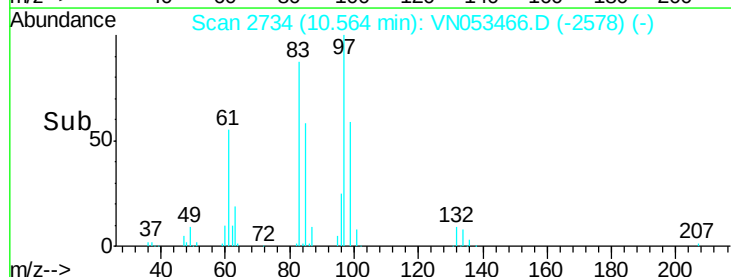
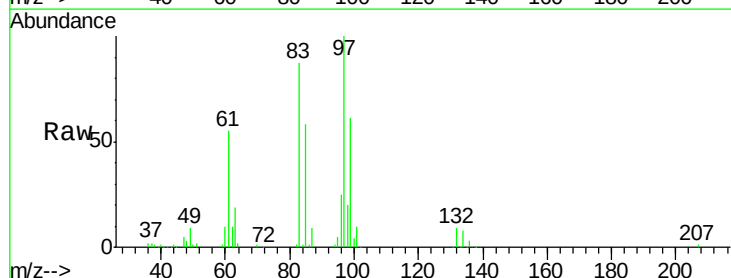
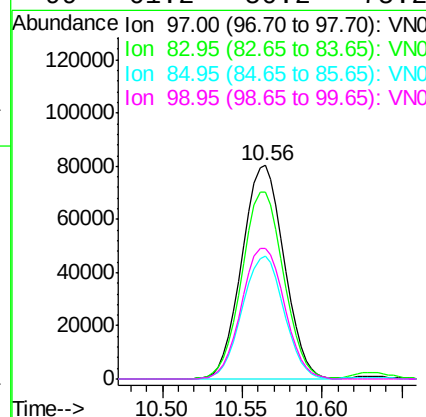
RT: 10.56 min Scan# 2734

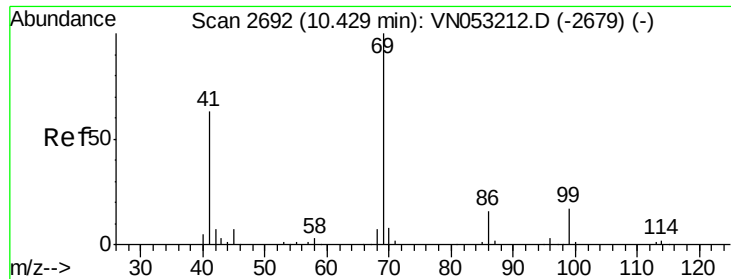
Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	97	Resp:	145097
Ion Ratio	Lower	Upper	
97	100		
83	87.2	70.4	105.6
85	57.8	45.0	67.6
99	61.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.853 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

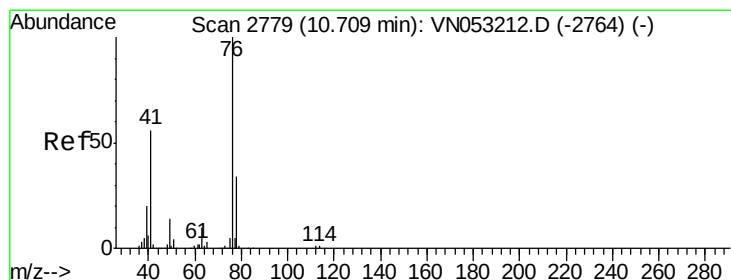
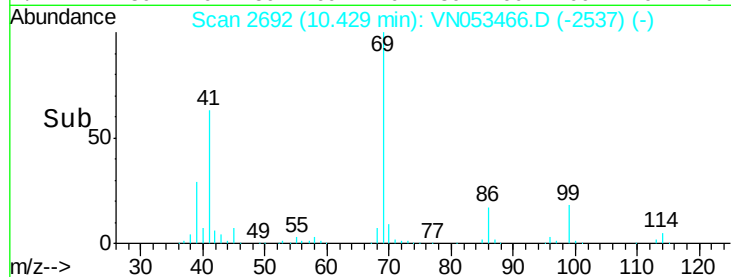
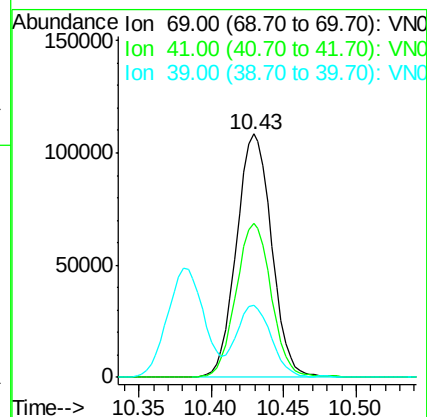
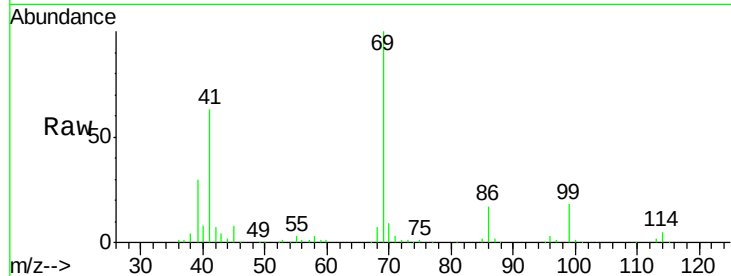
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	183370
Ion Ratio	Lower	Upper	
69	100		
41	62.8	34.4	103.3
39	29.4	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.143 ug/l

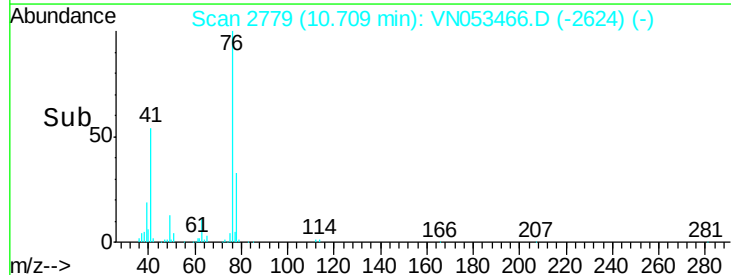
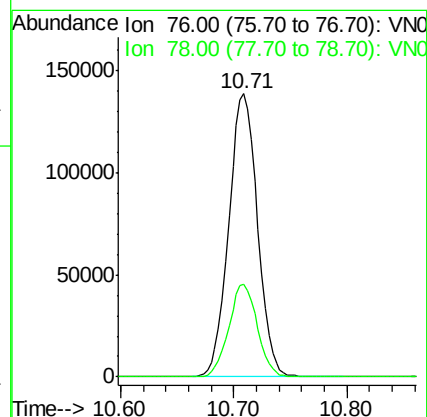
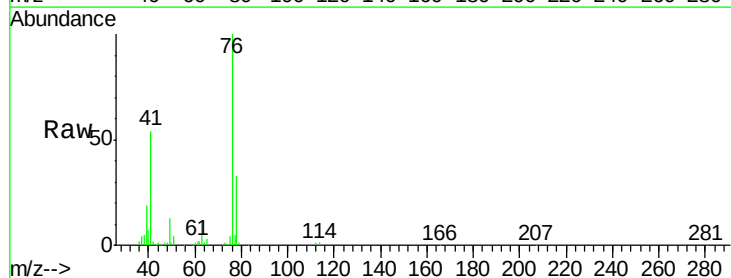
RT: 10.71 min Scan# 2779

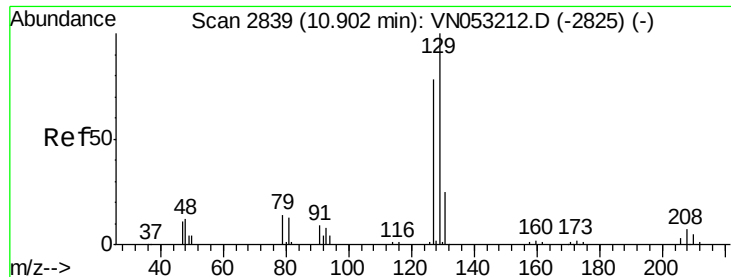
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	76	Resp:	245916
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.8





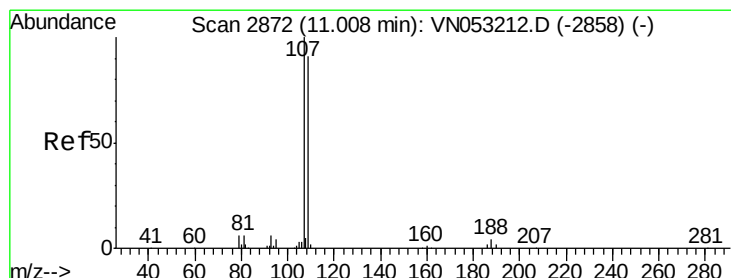
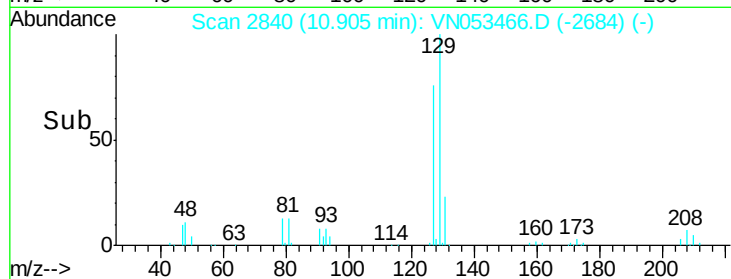
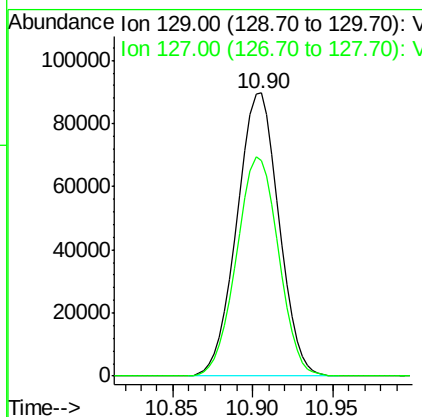
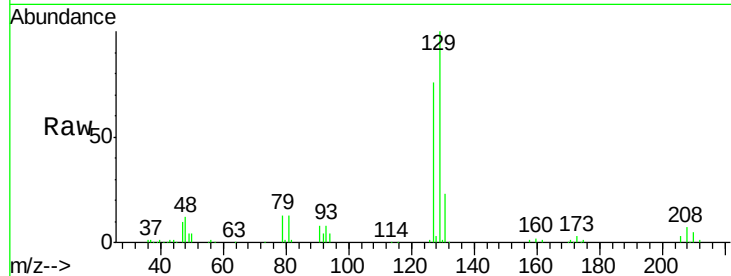
#53
 Dibromochloromethane
 Concen: 20.186 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 160674
 Ion Ratio Lower Upper
 129 100
 127 77.7 37.6 112.8

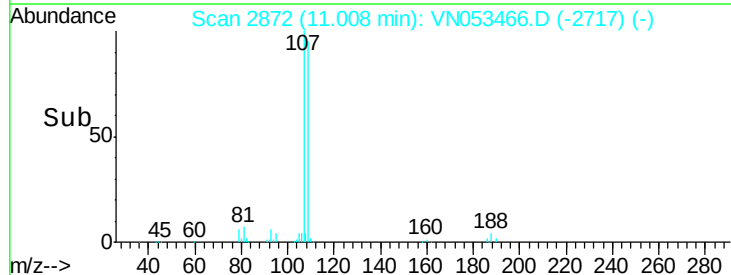
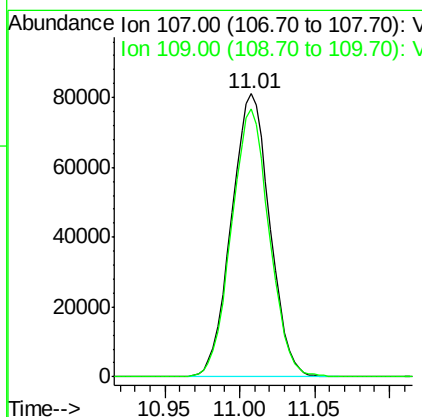
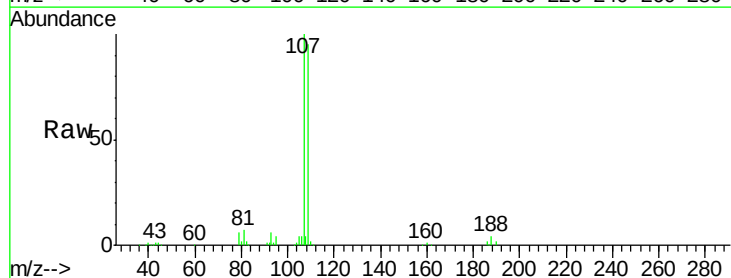
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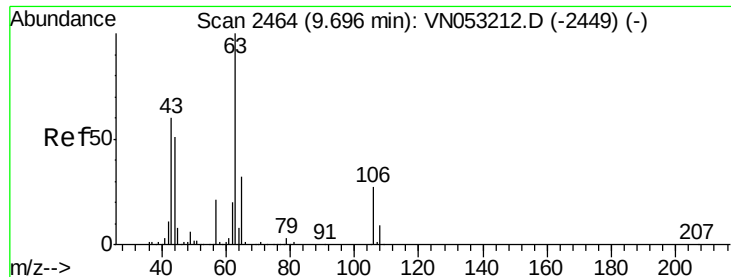
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#54
 1,2-Dibromoethane
 Concen: 20.264 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion:107 Resp: 144878
 Ion Ratio Lower Upper
 107 100
 109 93.3 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 97.081 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

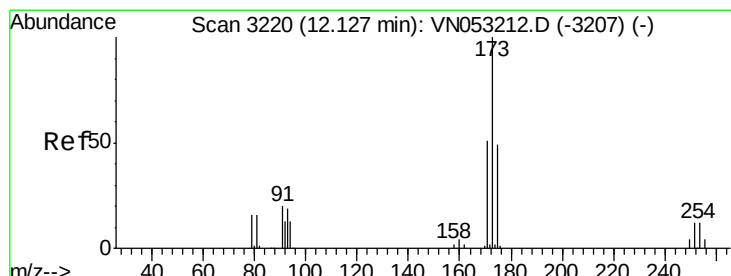
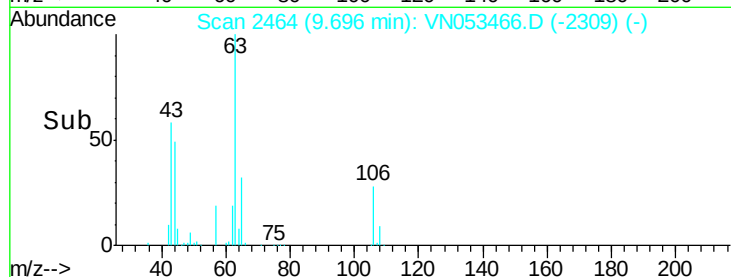
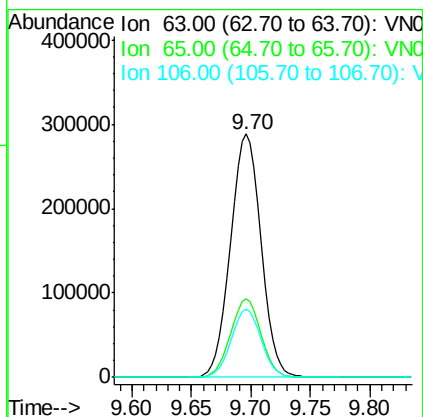
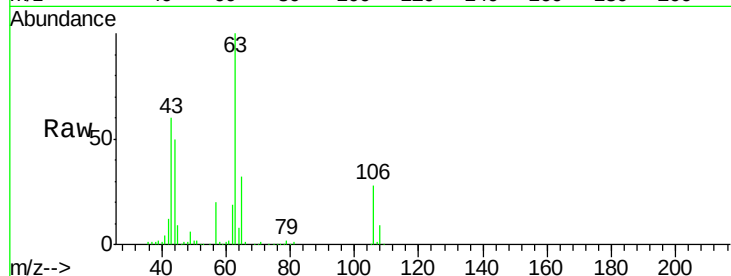
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	514597
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	27.4	20.4	30.6

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#56

Bromoform

Concen: 20.198 ug/l

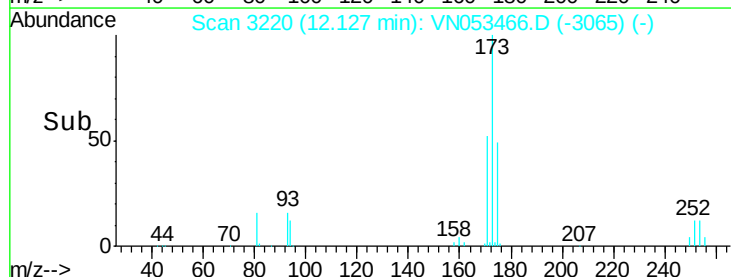
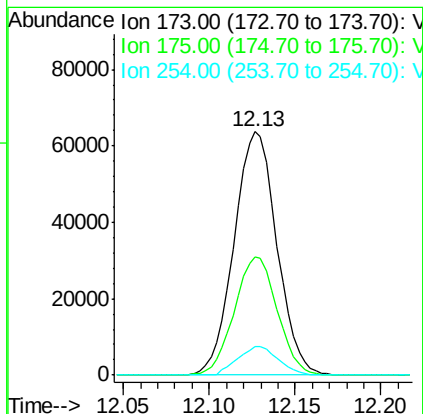
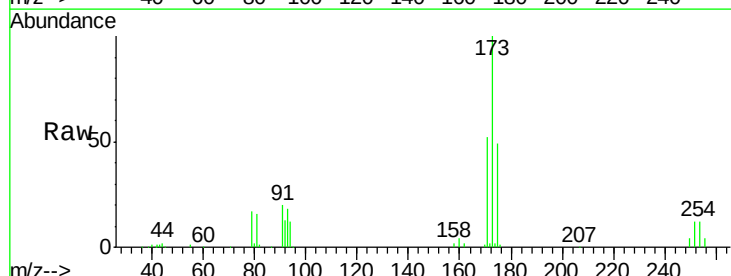
RT: 12.13 min Scan# 3220

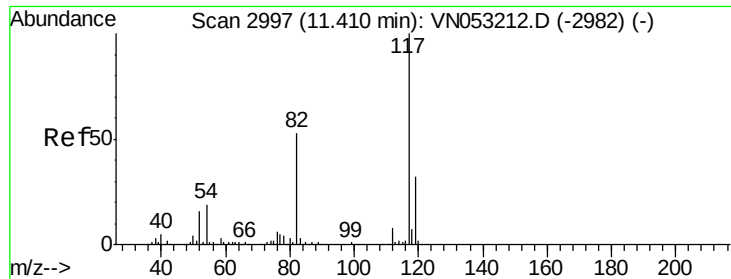
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	173	Resp:	109978
Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.7	58.1
254	11.0	8.4	12.6





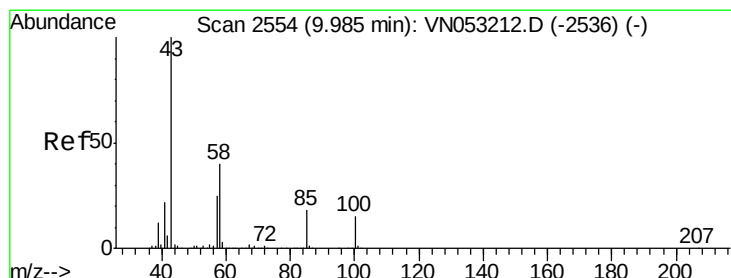
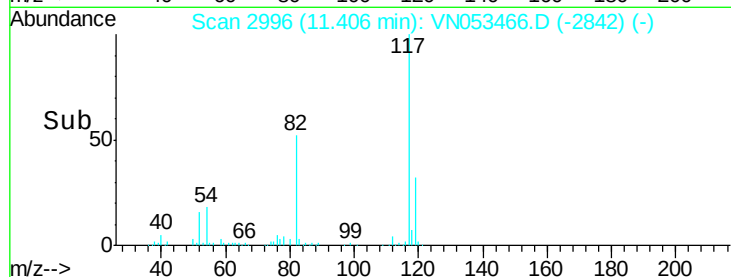
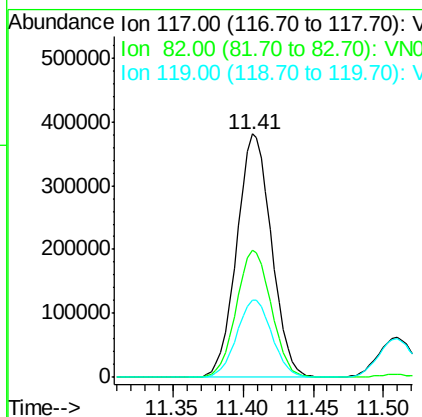
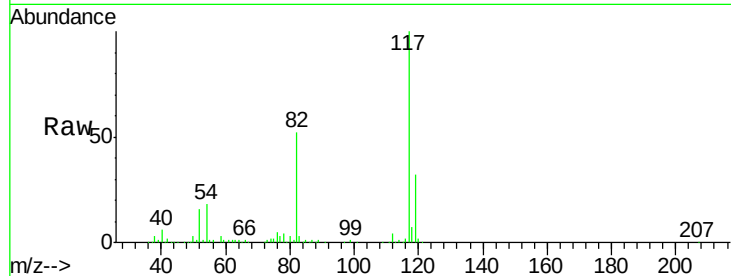
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.2	66.2
119	32.1	25.4	38.2

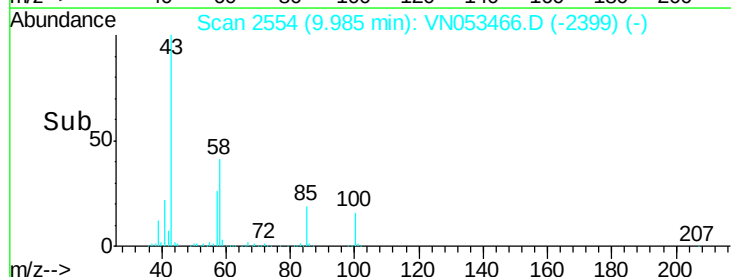
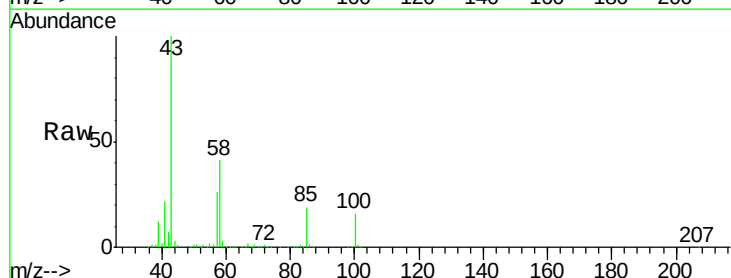
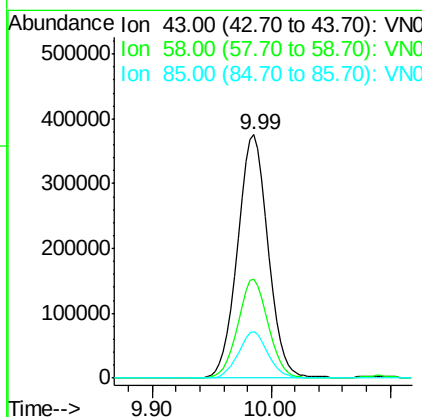
Manual Integrations
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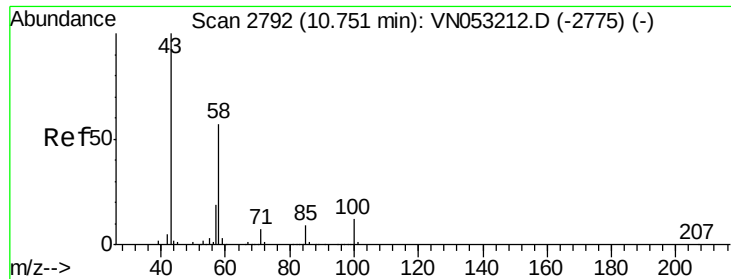
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 106.663 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4
85	18.5	13.3	19.9





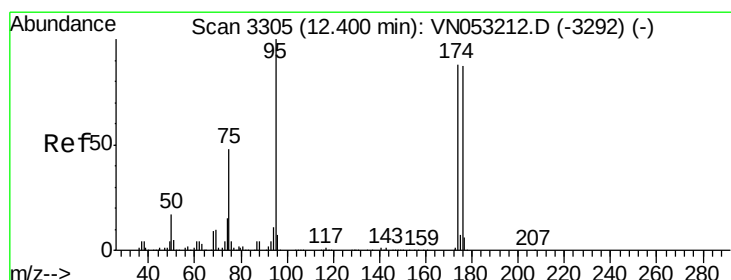
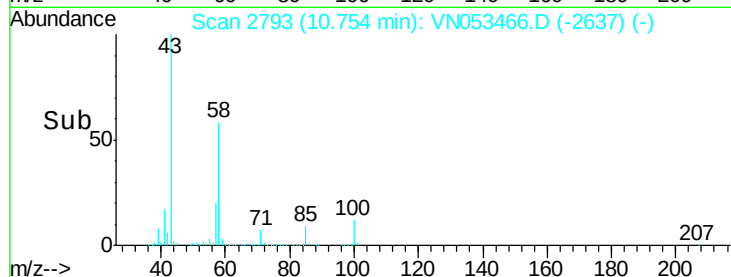
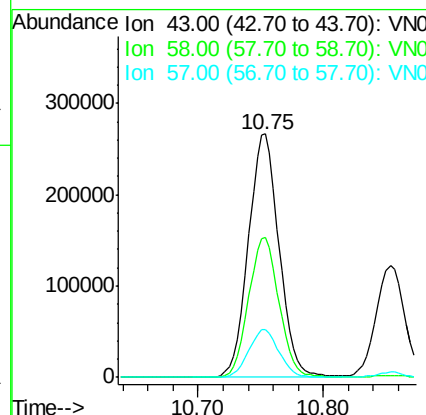
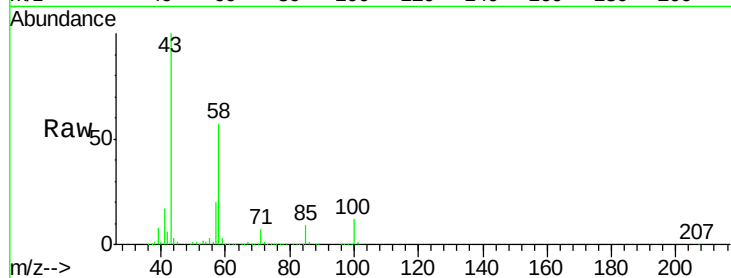
#59
2-Hexanone
Concen: 104.935 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	43.2	64.8
57	19.7	14.9	22.3

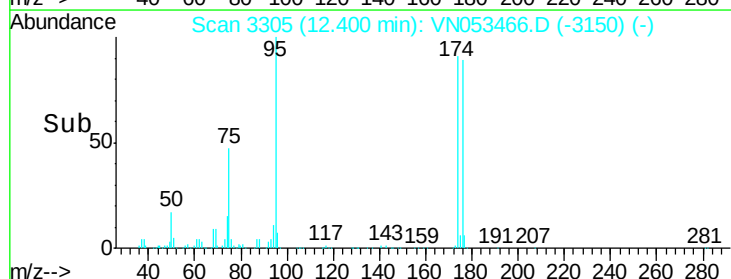
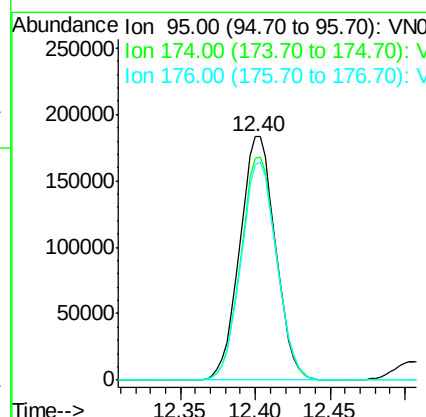
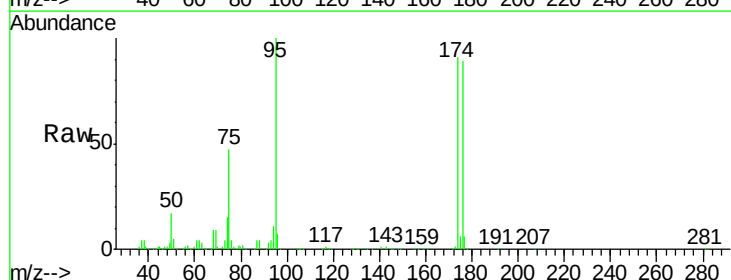
Manual Integrations
APPROVED

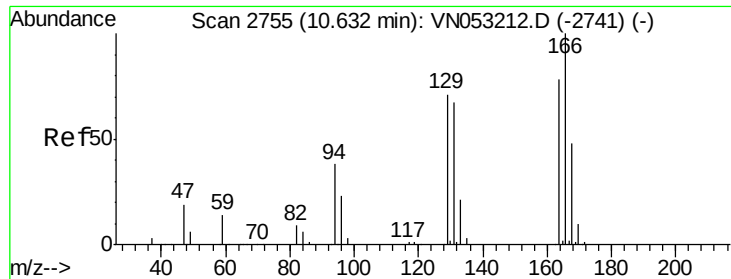
MMDadoda
1/21/2019 10:48:00 AM



#60
4-Bromofluorobenzene
Concen: 104.935 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	67.9	101.9
176	89.4	66.4	99.6





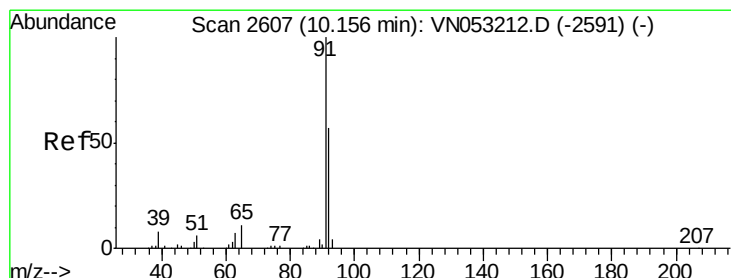
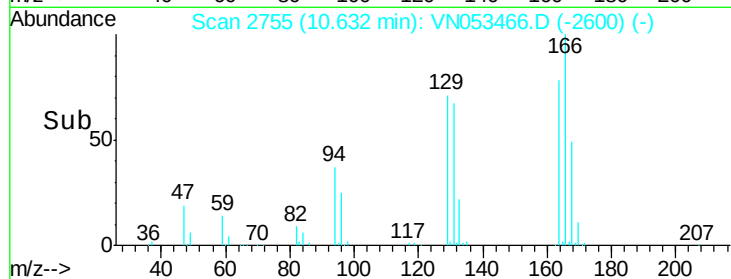
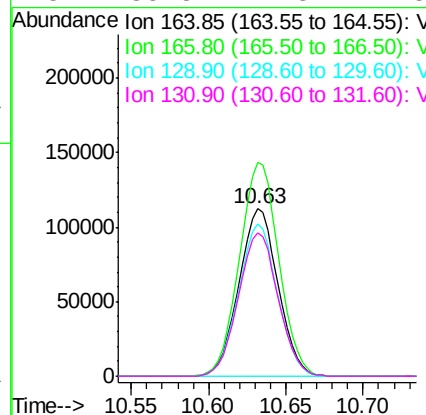
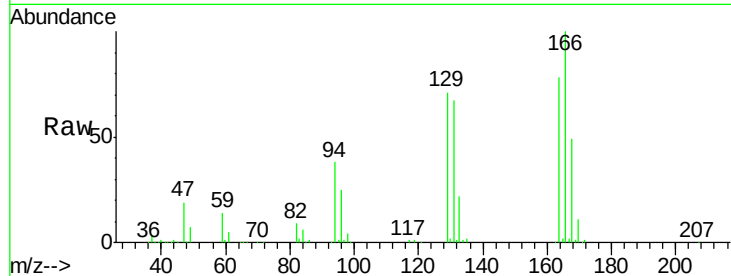
#61
Tetrachloroethene
Concen: 20.281 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.5	104.6	157.0
129	91.0	75.3	112.9
131	85.8	74.3	111.5

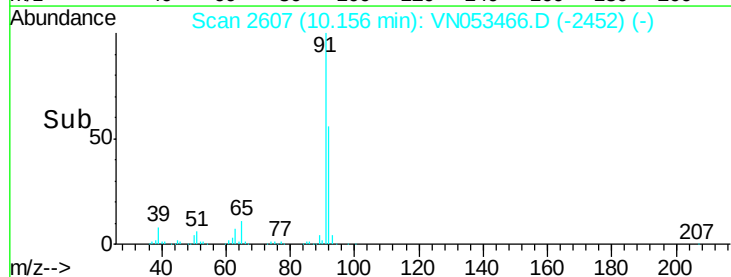
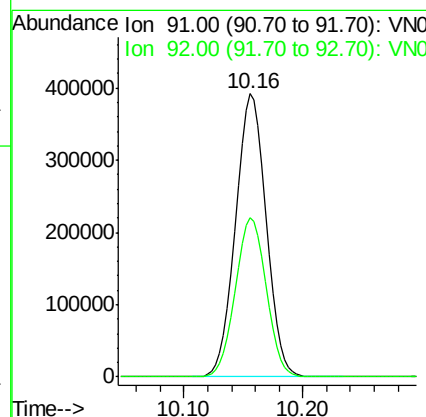
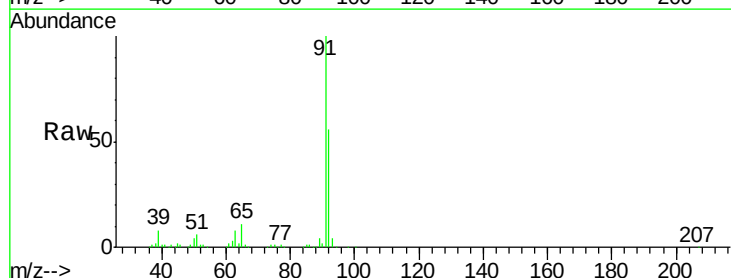
Manual Integrations
APPROVED

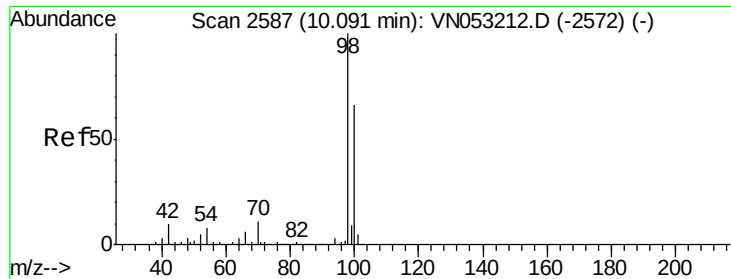
MMDadoda
1/21/2019 10:48:00 AM



#62
Toluene
Concen: 19.480 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





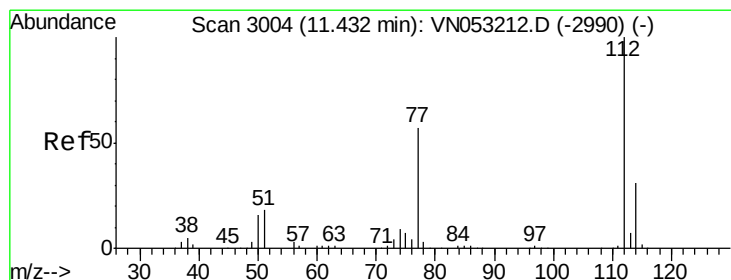
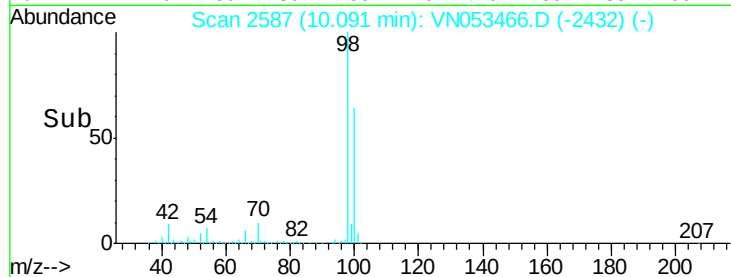
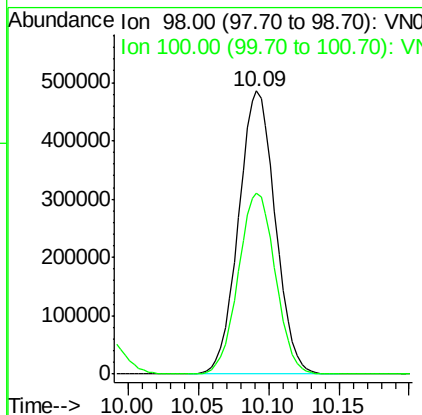
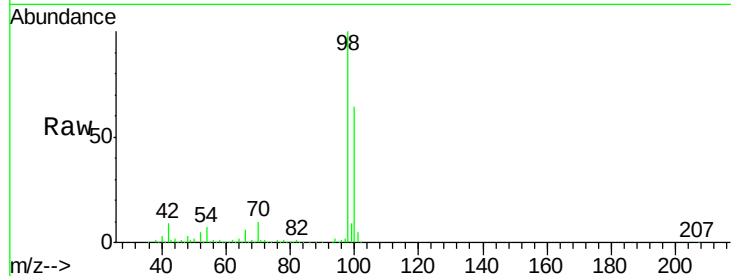
#63
Toluene-d8
Concen: 19.480 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 885582
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

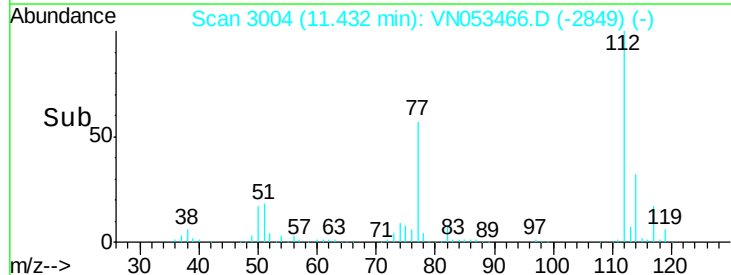
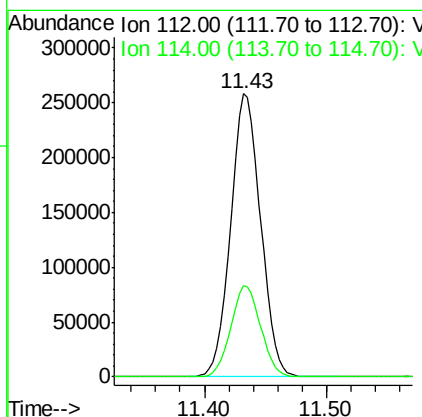
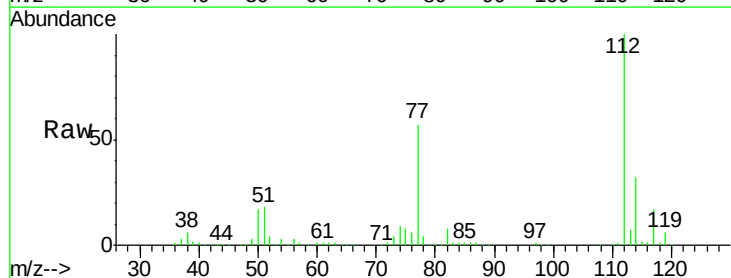
Manual Integrations
APPROVED

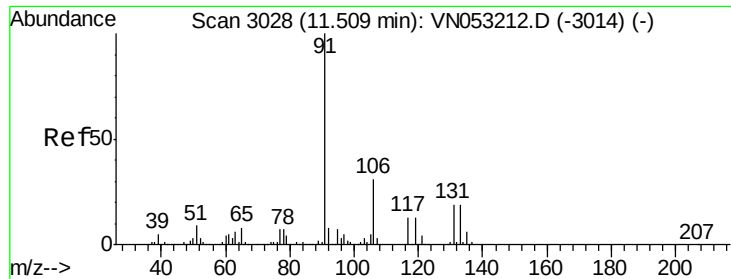
MMDadoda
1/21/2019 10:48:00 AM



#64
Chlorobenzene
Concen: 19.518 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 112 Resp: 440471
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.941 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

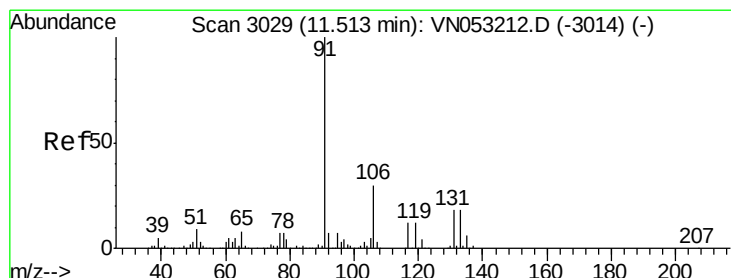
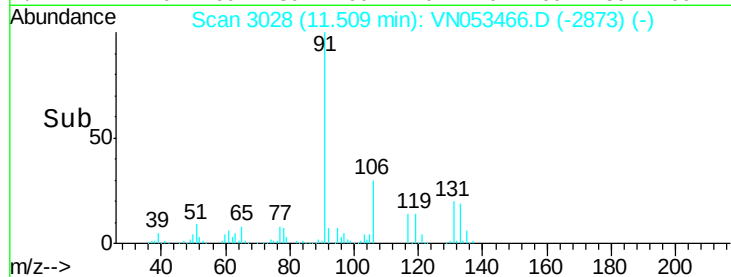
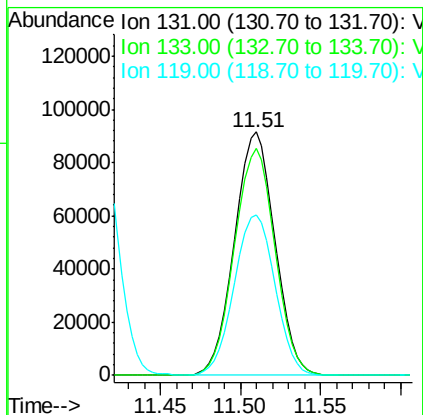
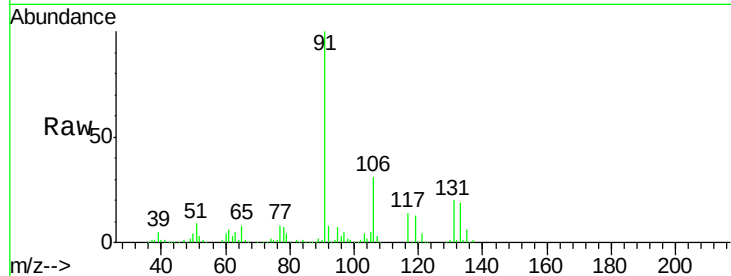
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	157853
Ion Ratio	Lower	Upper	
131	100		
133	93.7	0.0	193.4
119	66.9	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.228 ug/l

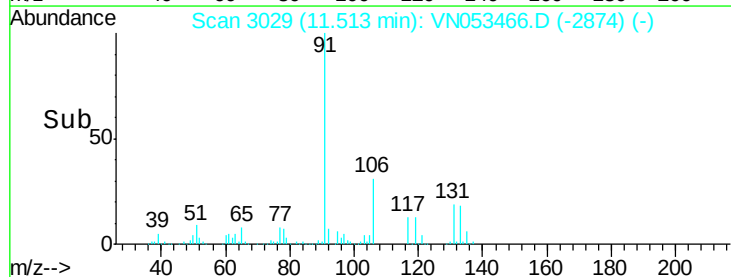
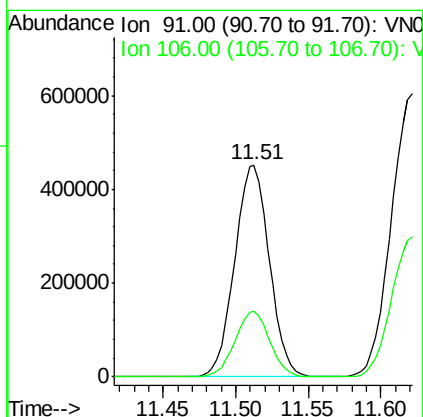
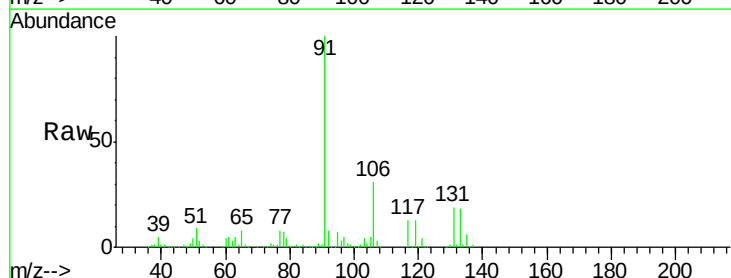
RT: 11.51 min Scan# 3029

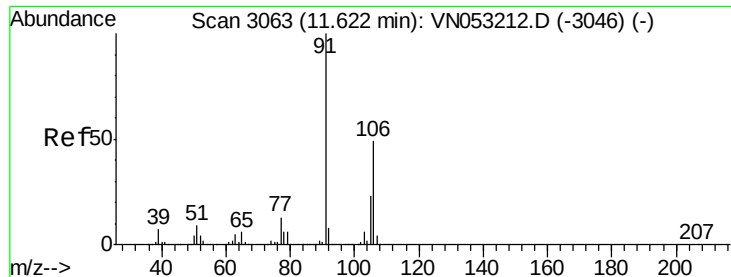
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	91	Resp:	749862
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.3	36.5





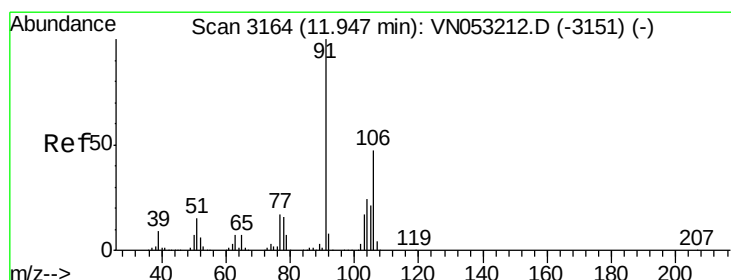
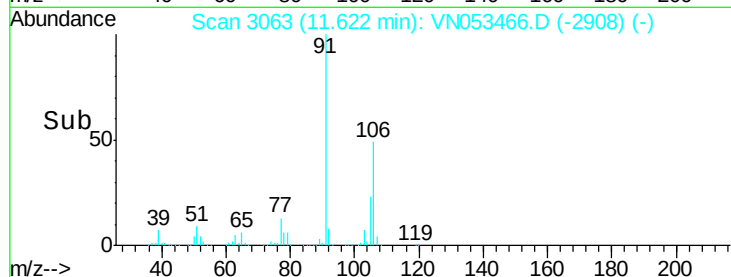
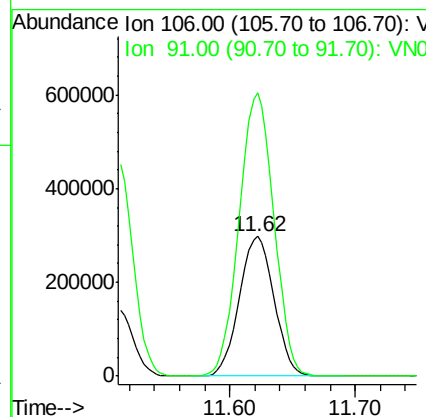
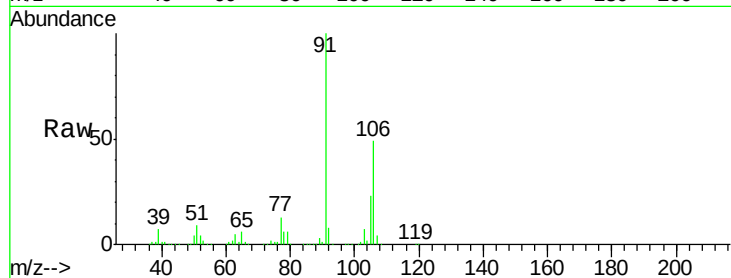
#67
m/p-Xylenes
Concen: 38.803 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		572325		
91	202.9	163.9	245.9		

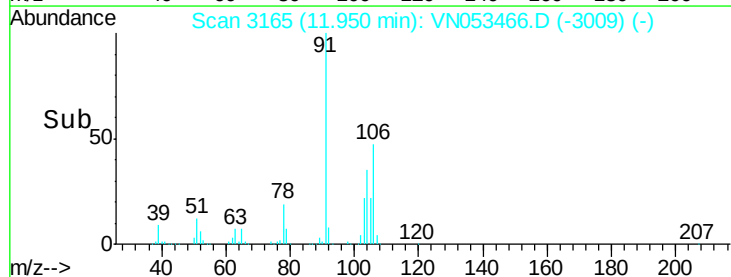
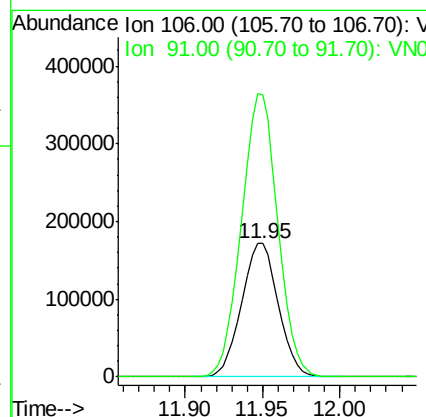
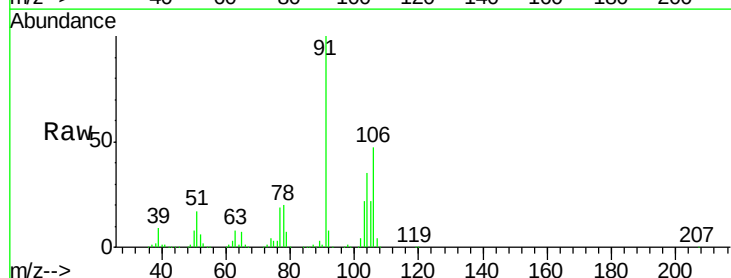
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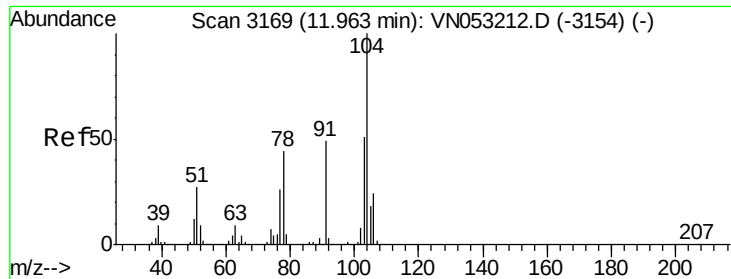
MMDadoda
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#68
o-Xylene
Concen: 19.844 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		283628		
91	209.5	107.8	323.4		





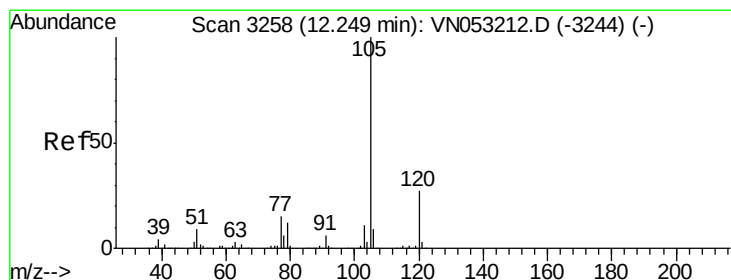
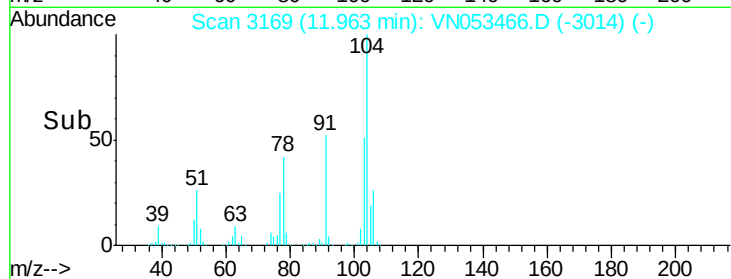
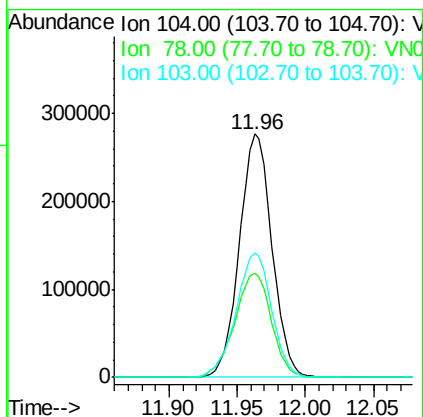
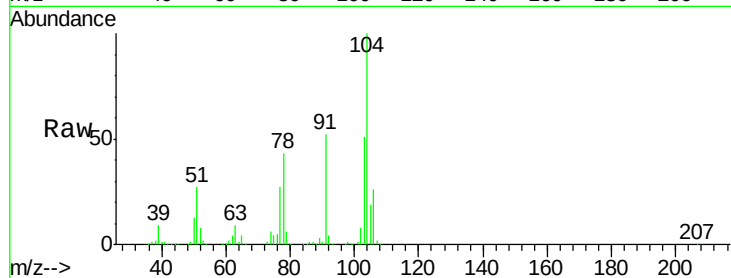
#69
Stvrene
Concen: 19.710 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.3	58.9
103	55.7	44.6	66.8

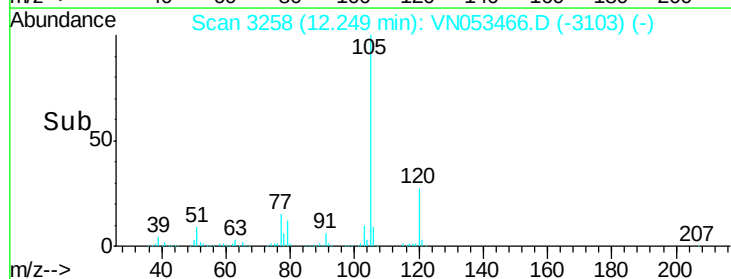
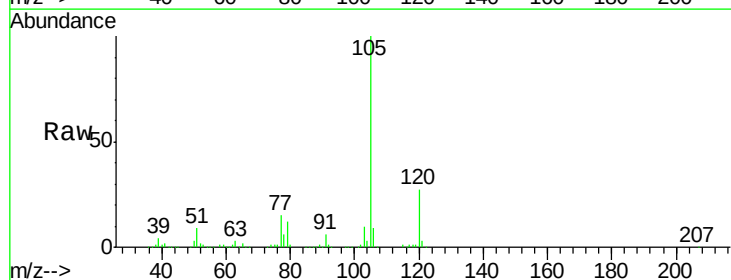
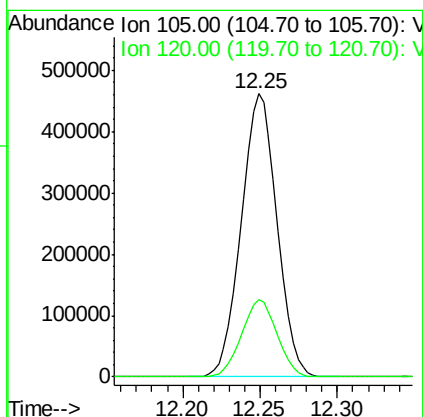
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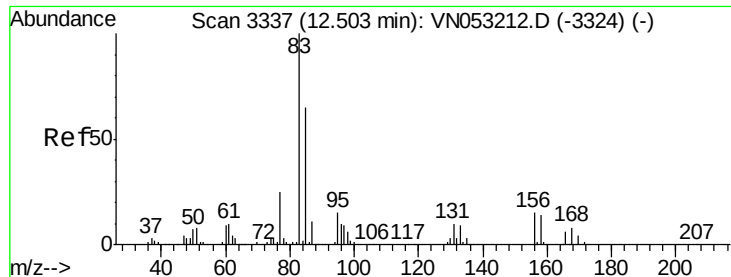
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#70
Isopropylbenzene
Concen: 19.721 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6





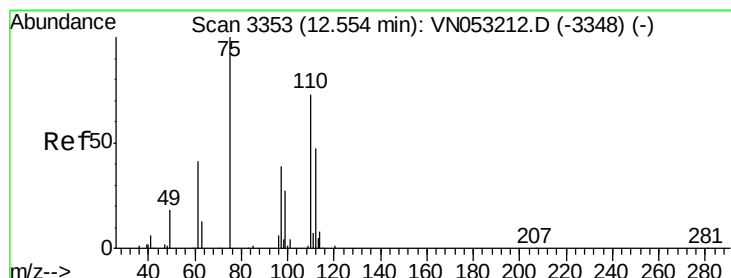
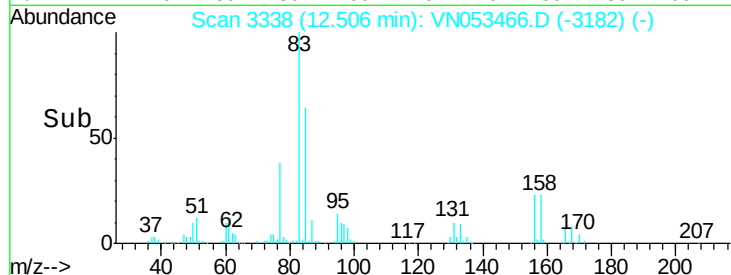
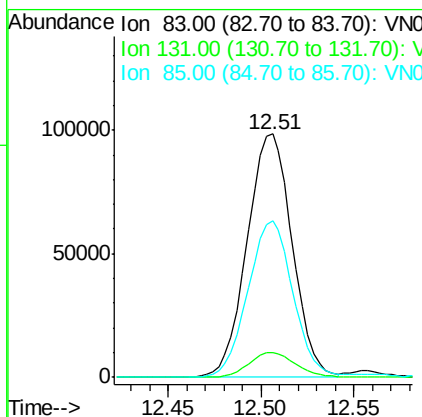
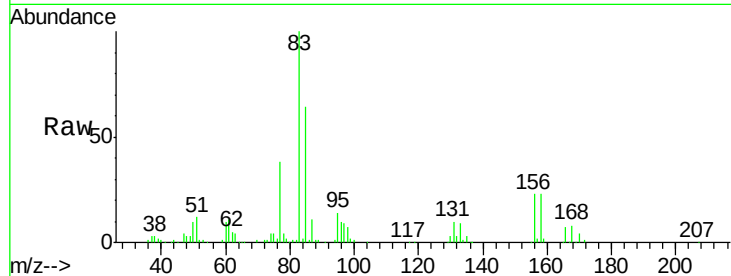
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.148 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	83	Resp	167405
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	64.2	32.2	96.6

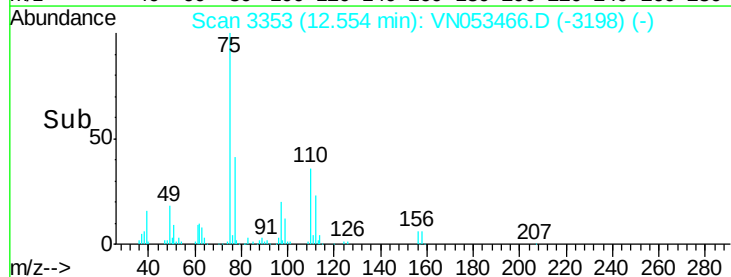
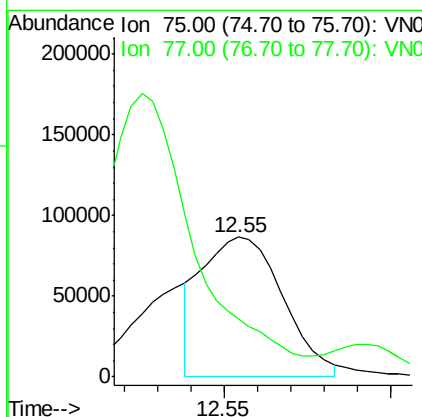
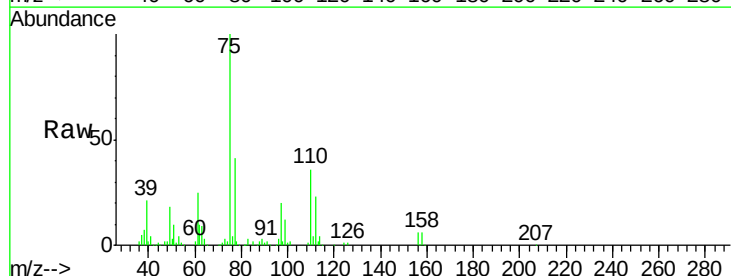
Manual Integrations
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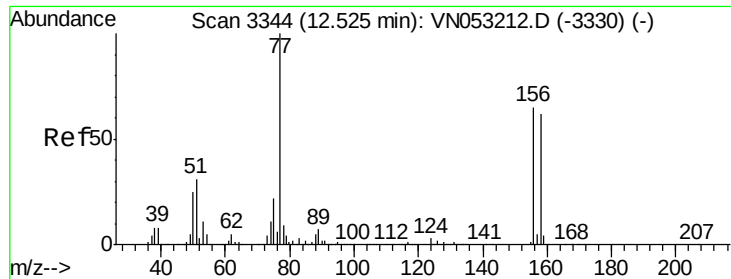
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 1/21/2019 10:48:00 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.124 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	75	Resp	146430
Ion Ratio	Lower	Upper	
75	100		
77	236.3	0.0	514.8





#73

Bromobenzene

Concen: 20.316 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

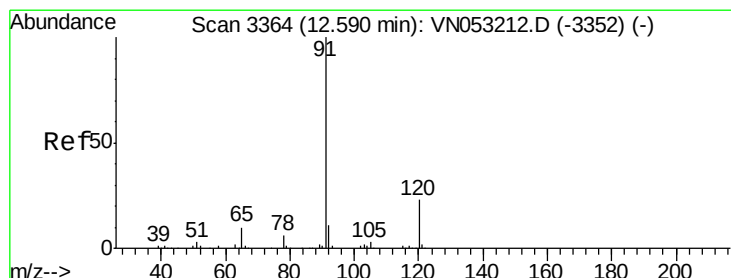
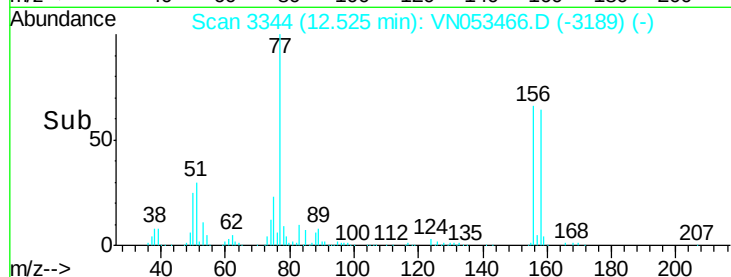
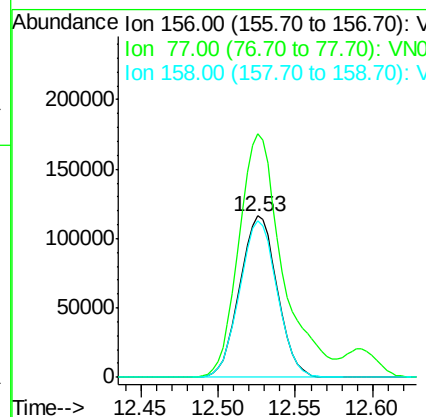
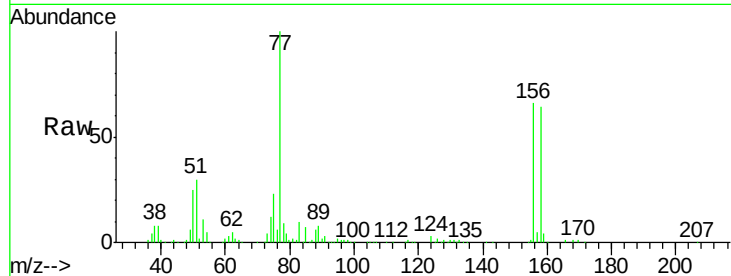
ClientSampled :

VSTDCCC020EC

Tot Ion:	156	Resp:	196379
Ion Ratio	Lower	Upper	
156	100		
77	176.2	0.0	382.6
158	96.9	0.0	196.8

Manual Integrations
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1/21/2019 10:48:00 AM



#74

n-propylbenzene

Concen: 19.998 ug/l

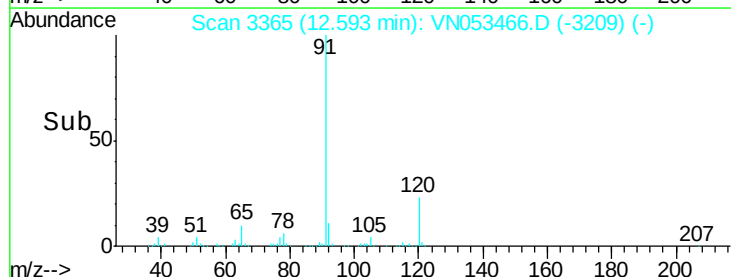
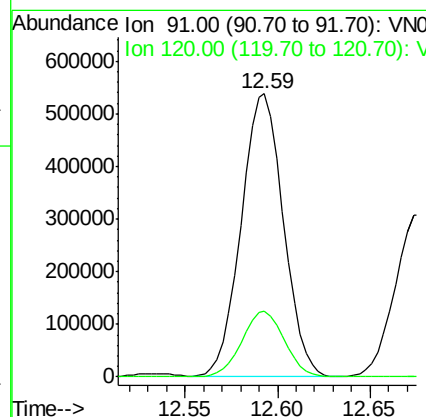
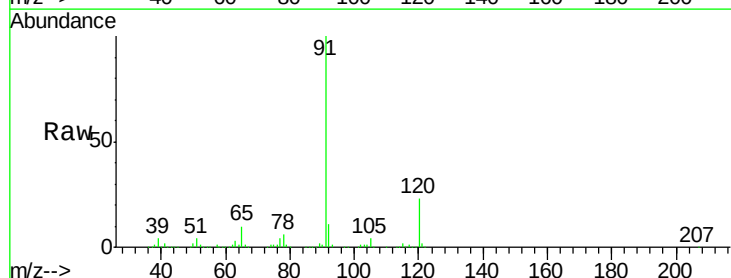
RT: 12.59 min Scan# 3365

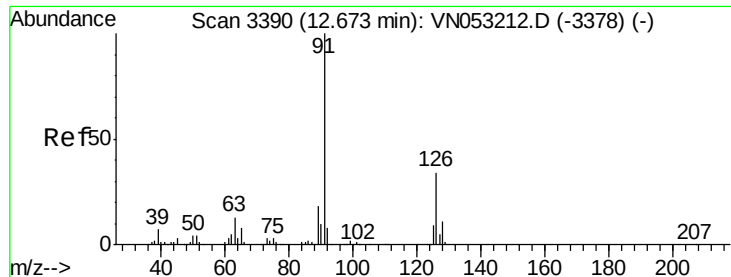
Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	91	Resp:	851289
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.005 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 504338

Ion Ratio Lower Upper

91 100

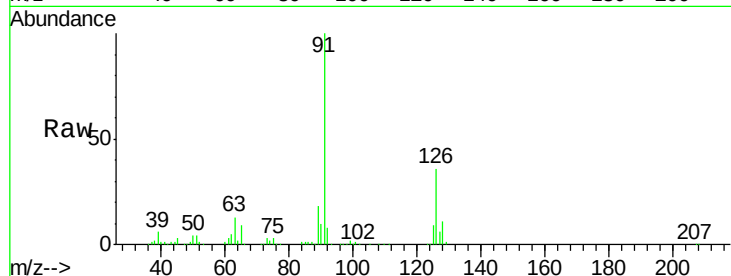
126 36.1 0.0 68.4

Manual Integrations

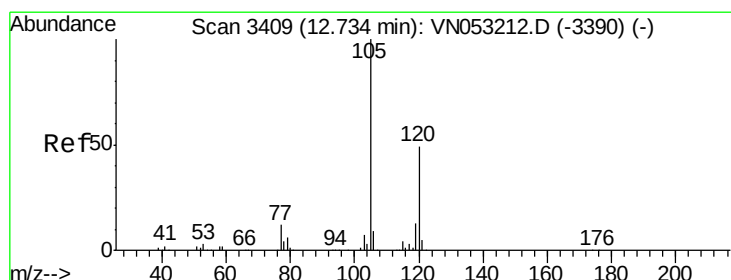
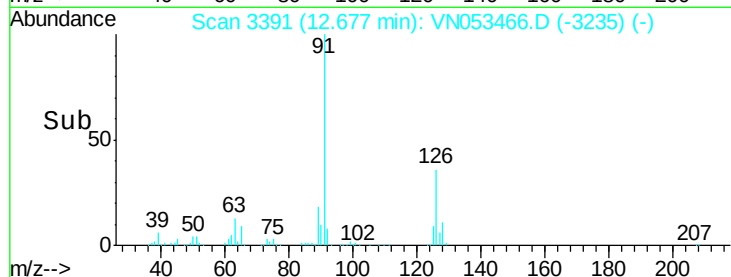
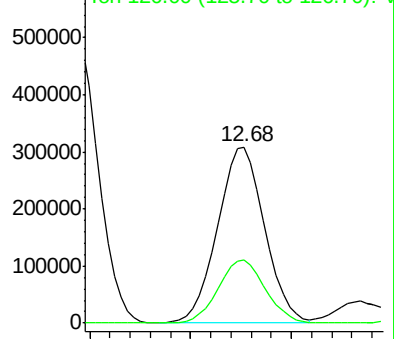
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Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053466.D

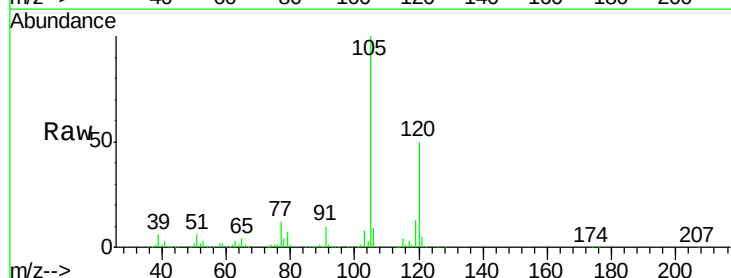
Acq: 18 Jan 2019 12:14

Tgt Ion: 105 Resp: 603380

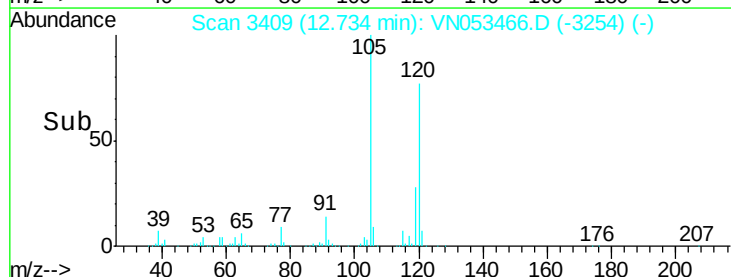
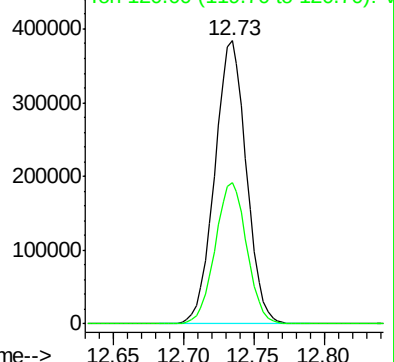
Ion Ratio Lower Upper

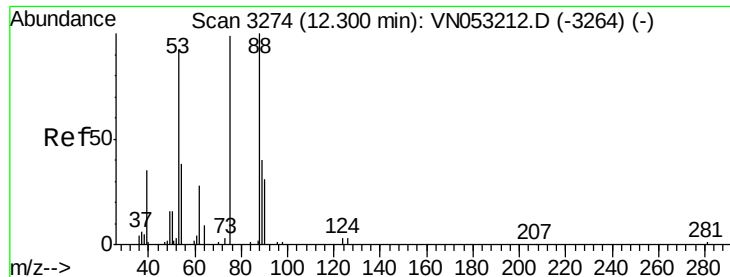
105 100

120 49.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053212.D (-3390) (-)





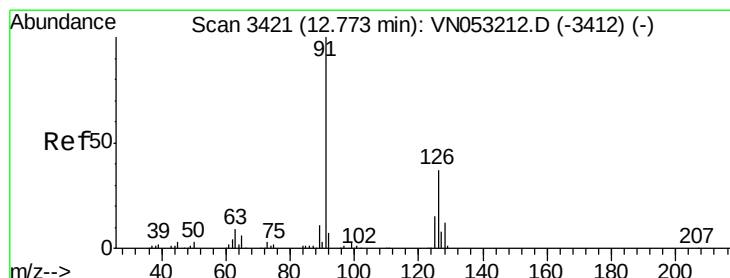
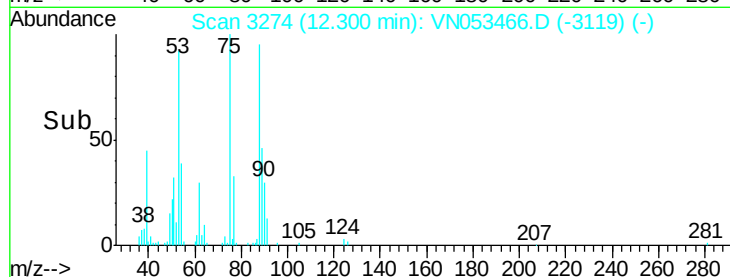
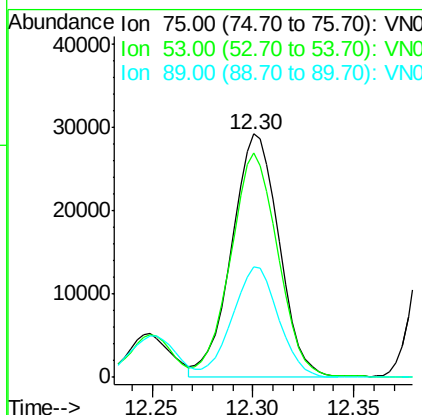
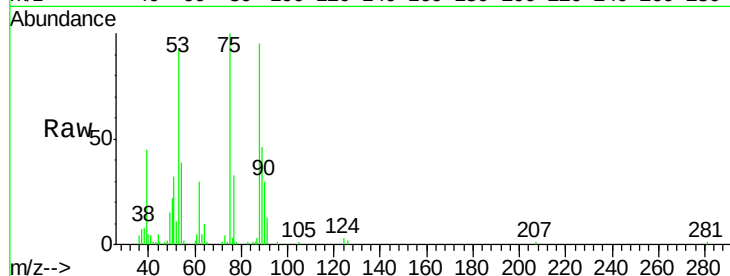
#77
t-1,4-Dichloro-2-butene
Concen: 19.751 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	48.5	145.6
89	45.8	21.7	65.1

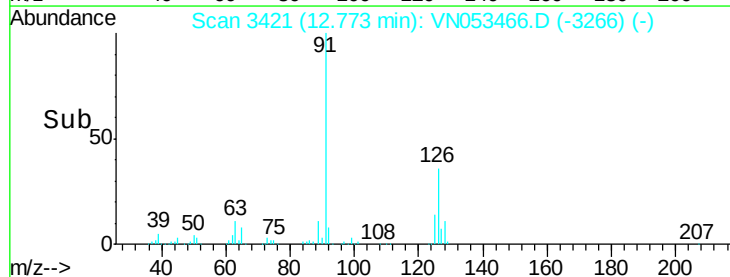
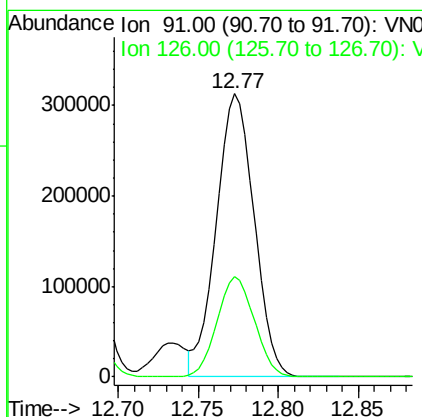
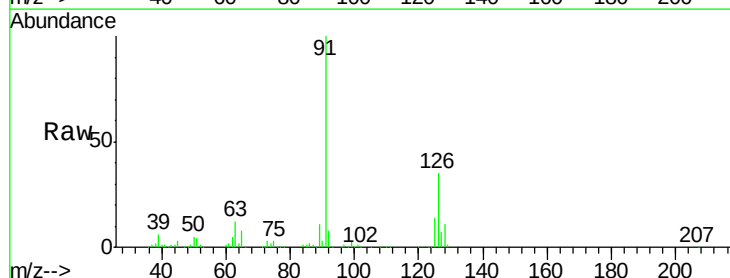
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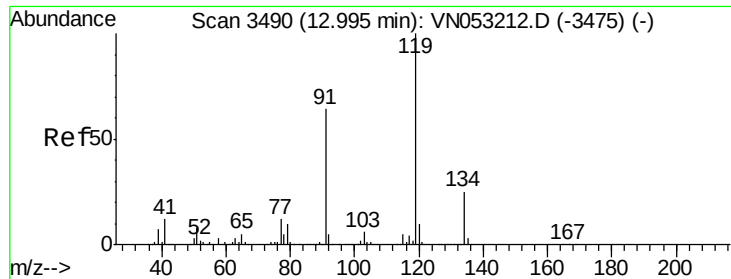
MMDadoda
1/21/2019 10:48:00 AM



#78
4-Chlorotoluene
Concen: 19.817 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	68.2





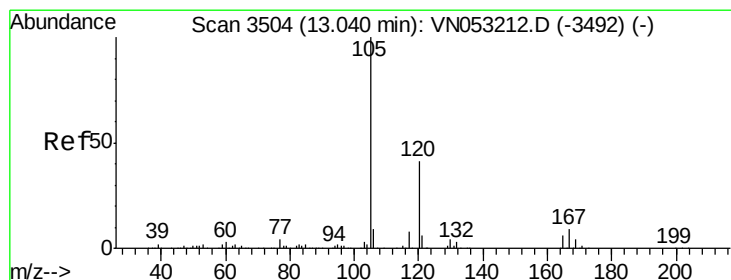
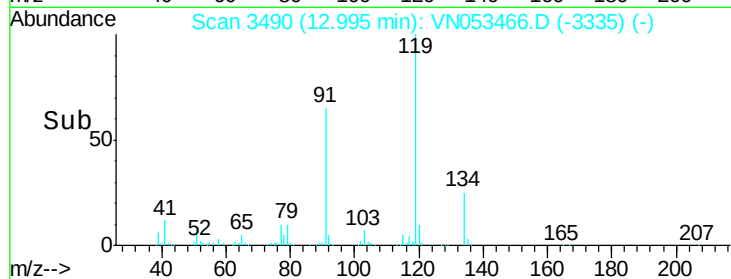
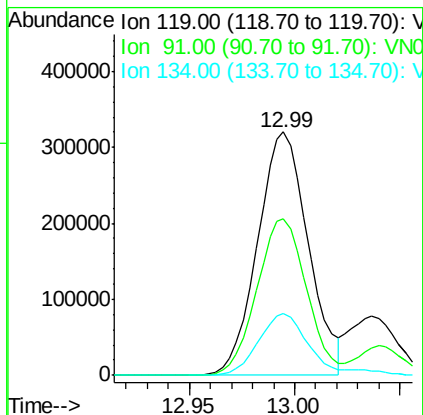
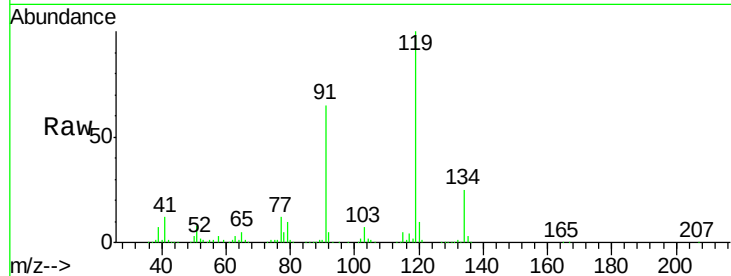
#79
tert-butylbenzene
Concen: 20.573 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	535220		
91	63.4		0.0	129.8
134	26.0		0.0	52.2

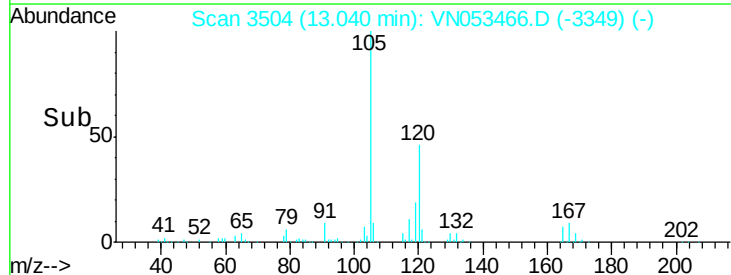
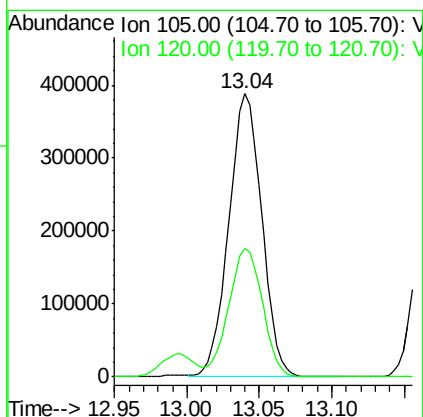
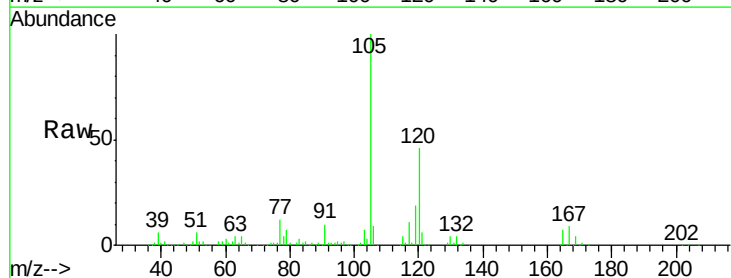
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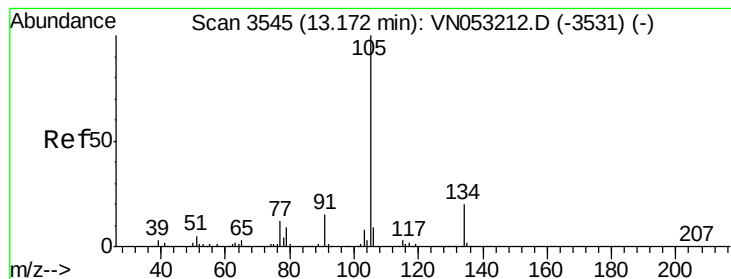
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.500 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	612904		
120	46.6		0.0	91.0





#81

sec-Butylbenzene

Concen: 21.215 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC020EC

Tot Ion:105 Resp: 730858

Ion Ratio Lower Upper

105 100

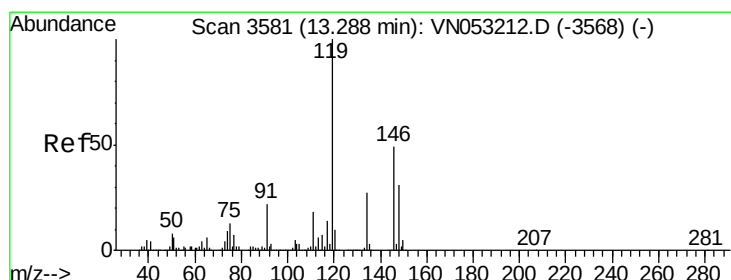
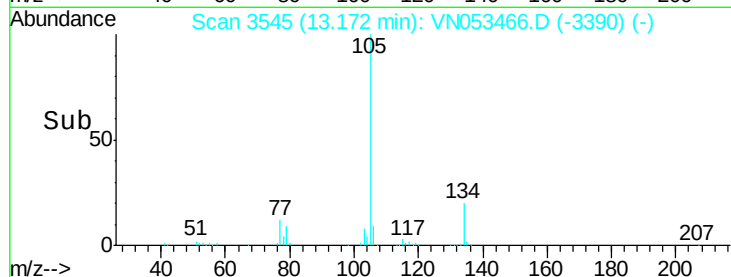
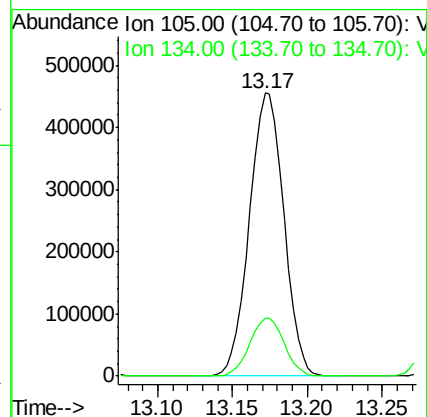
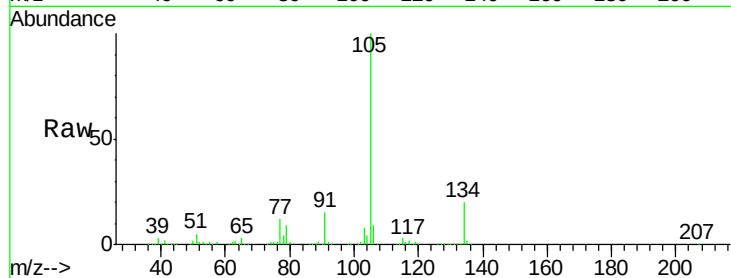
134 20.4 0.0 40.4

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#82

p-Isopropyltoluene

Concen: 21.288 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

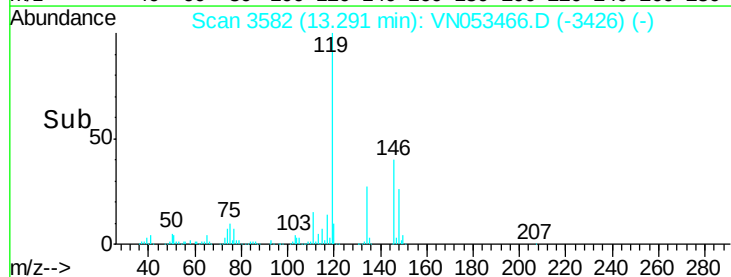
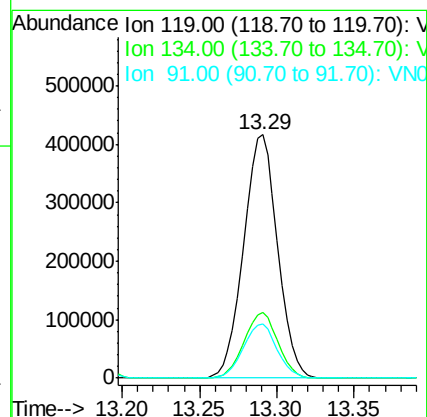
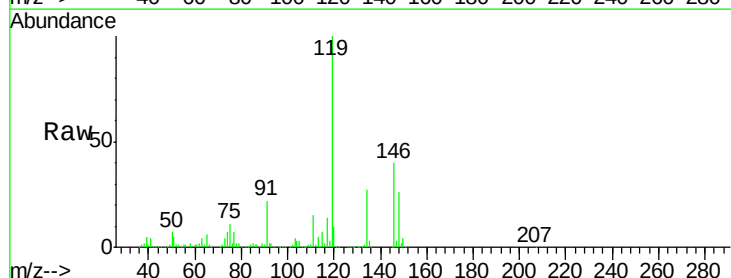
Tgt Ion:119 Resp: 633714

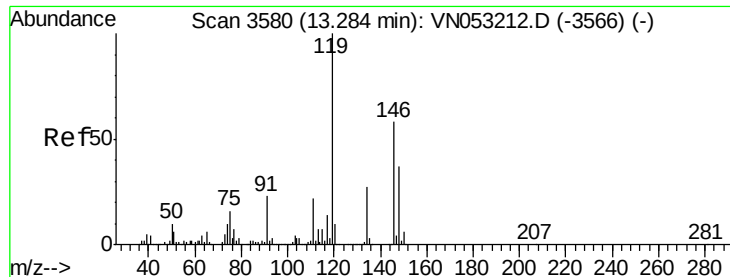
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 22.2 0.0 46.2





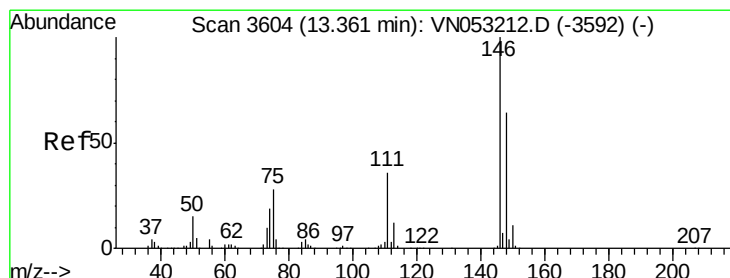
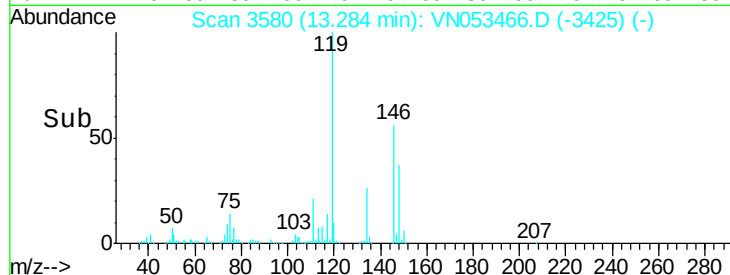
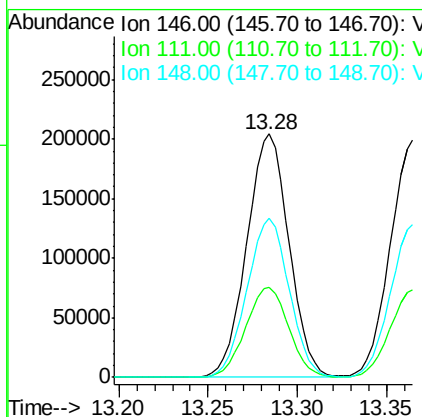
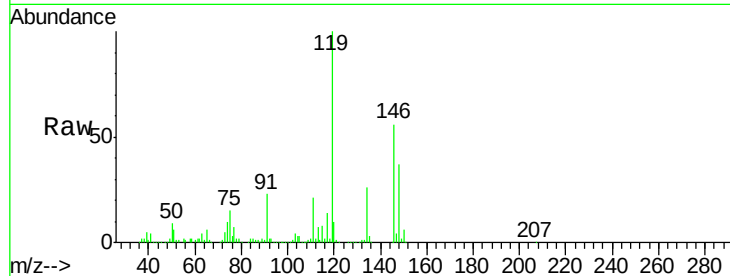
#83
 1,3-Dichlorobenzene
 Concen: 20.569 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.0
148	65.3	32.3	96.8

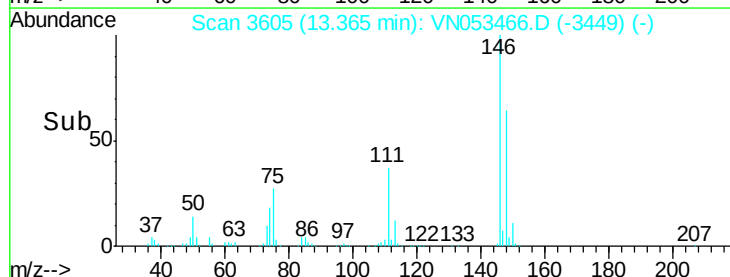
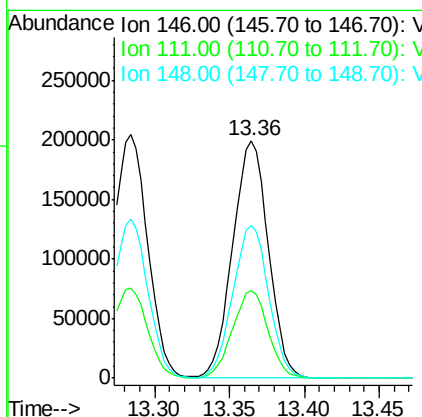
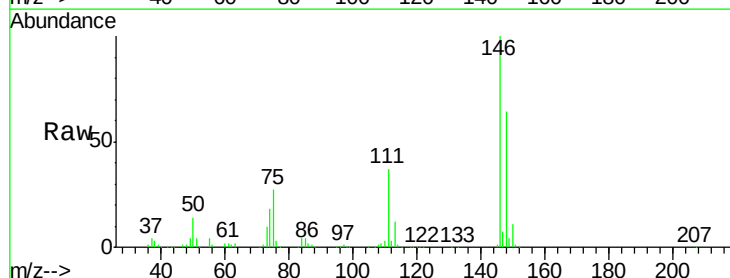
Manual Integrations
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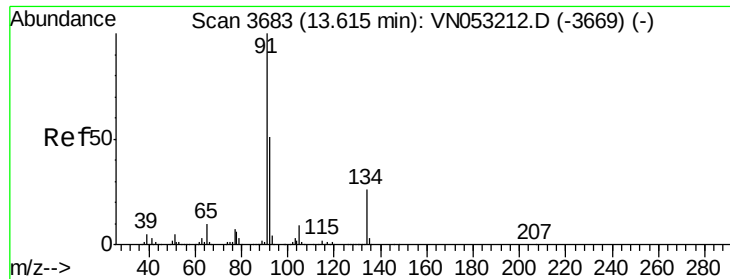
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 1/21/2019 10:48:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.659 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.5	32.5	97.4





#85

n-Butylbenzene

Concen: 21.529 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

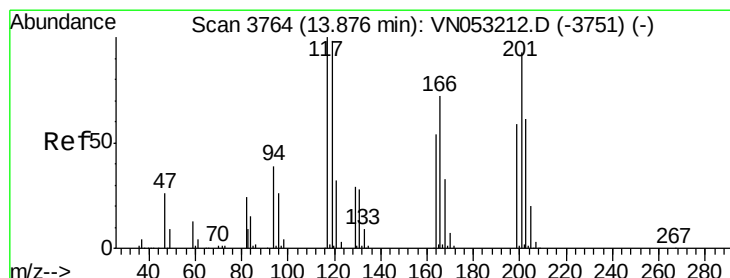
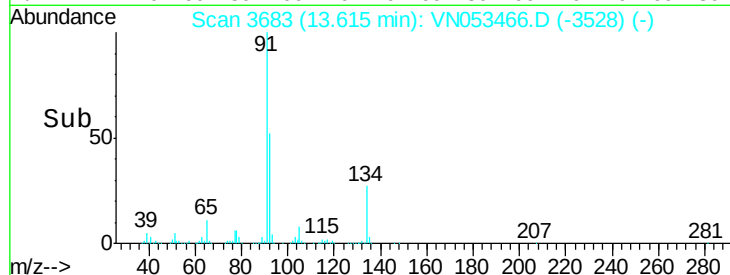
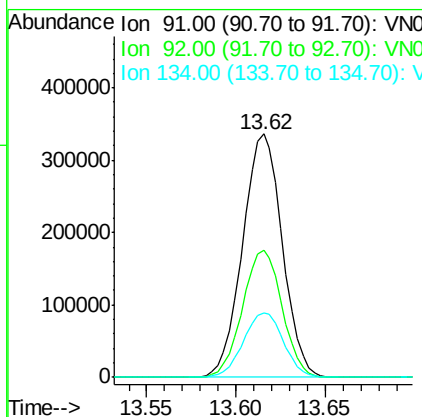
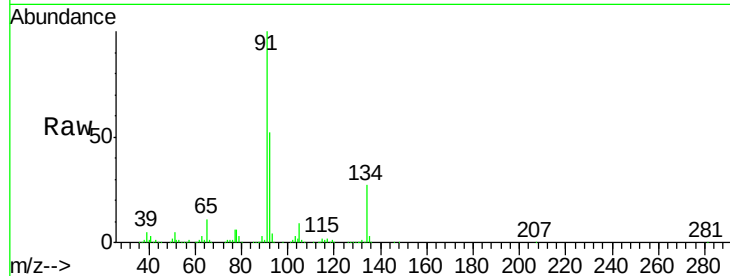
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	521189
Ion Ratio	Lower	Upper	
91	100		
92	51.9	0.0	104.2
134	26.9	0.0	50.6

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#86

Hexachloroethane

Concen: 20.036 ug/l

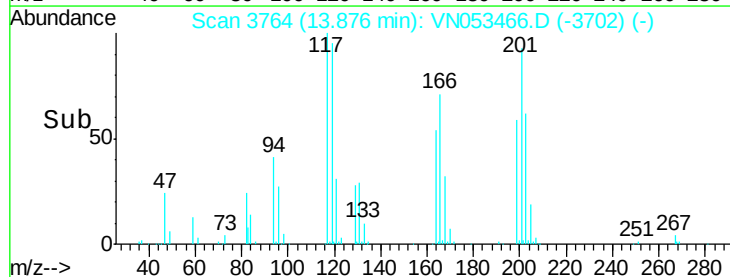
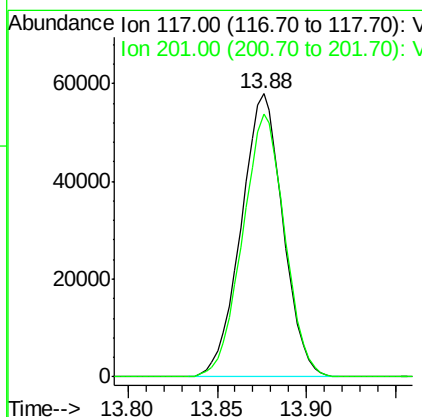
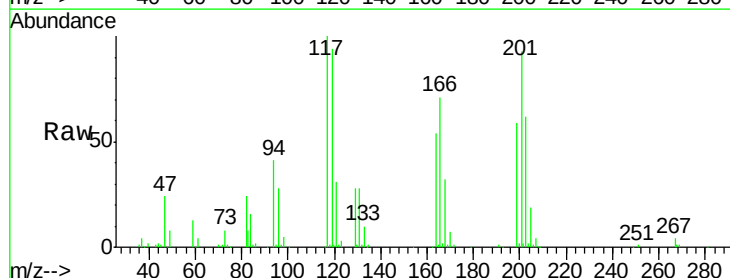
RT: 13.88 min Scan# 3764

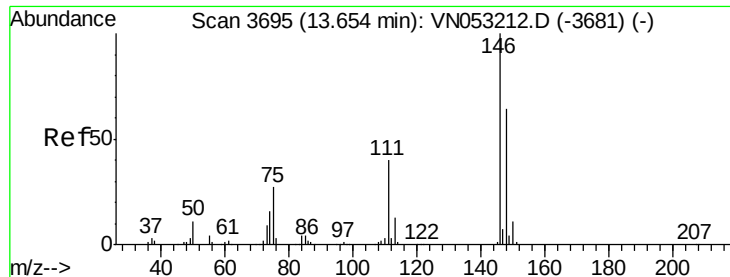
Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	117	Resp:	95227
Ion Ratio	Lower	Upper	
117	100		
201	93.1	43.8	131.3





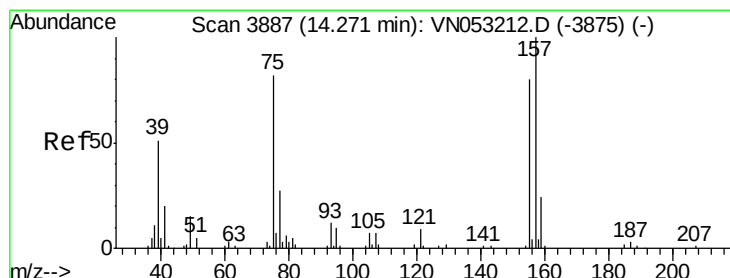
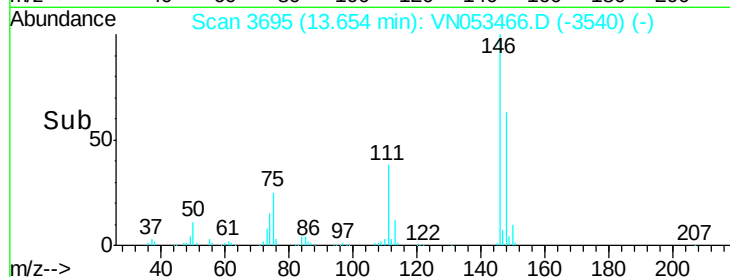
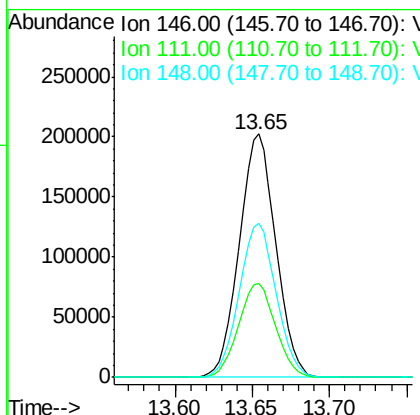
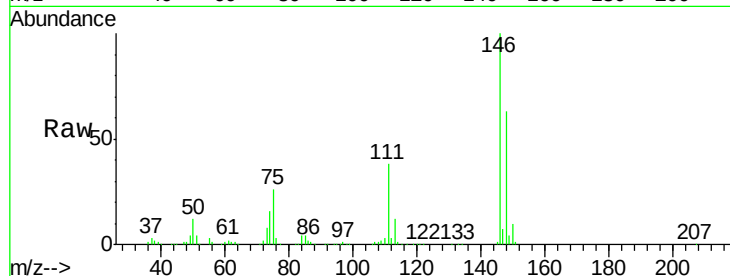
#87
 1,2-Dichlorobenzene
 Concen: 21.705 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	60.8
148	64.0	32.1	96.5

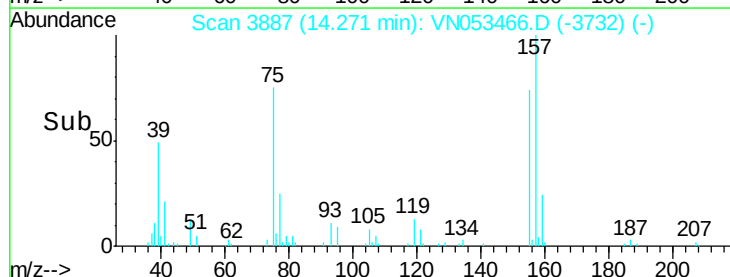
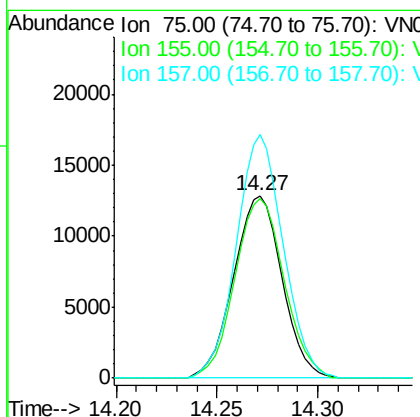
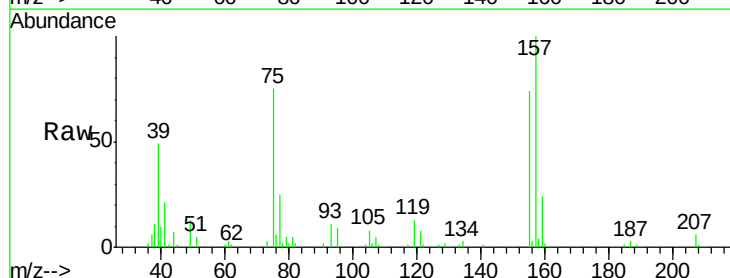
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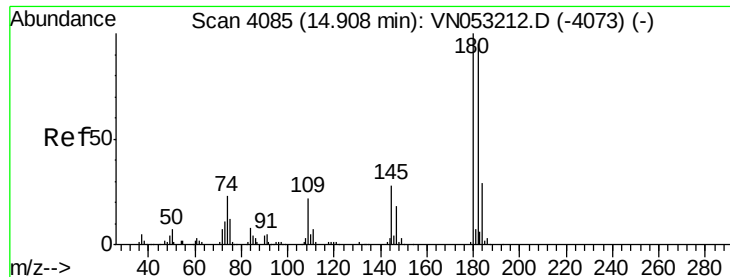
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.169 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	72.2	108.2
157	128.8	94.2	141.2





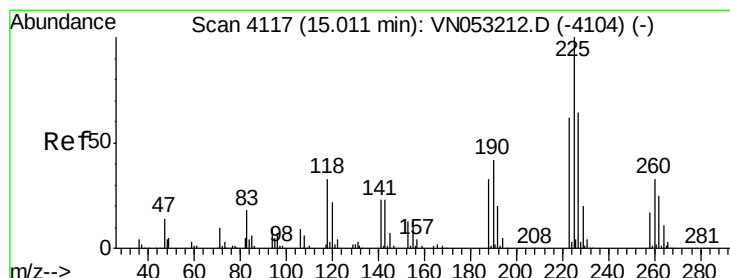
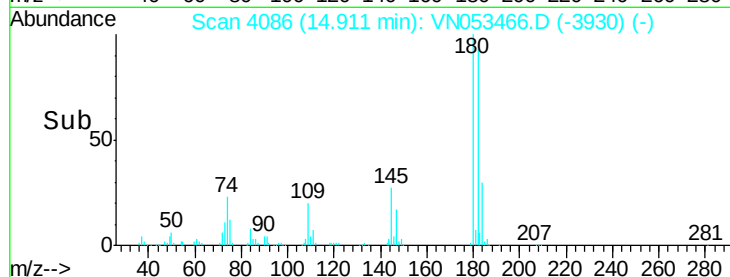
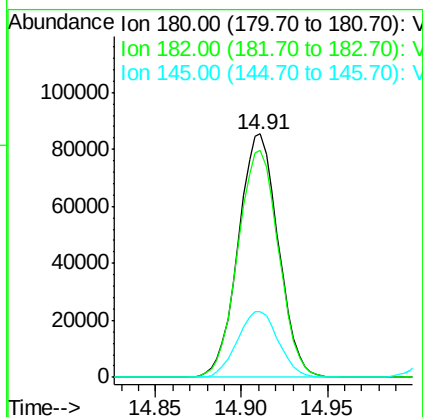
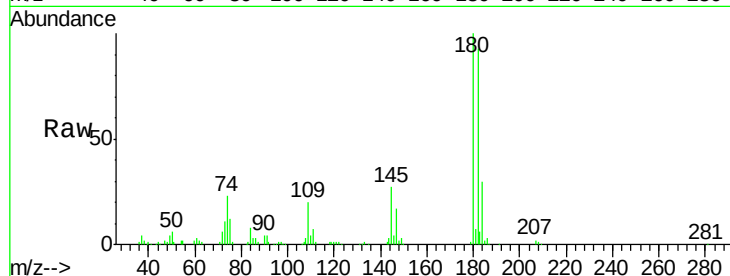
#89
 1,2,4-Trichlorobenzene
 Concen: 18.651 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	27.8	23.6	35.4

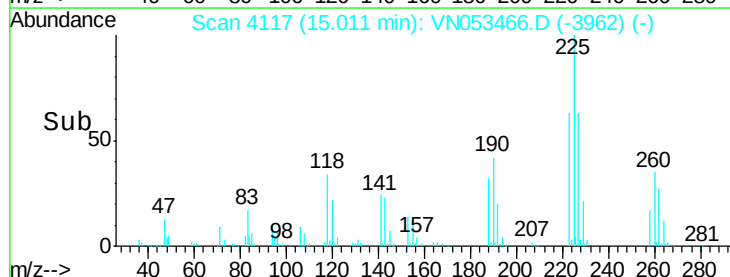
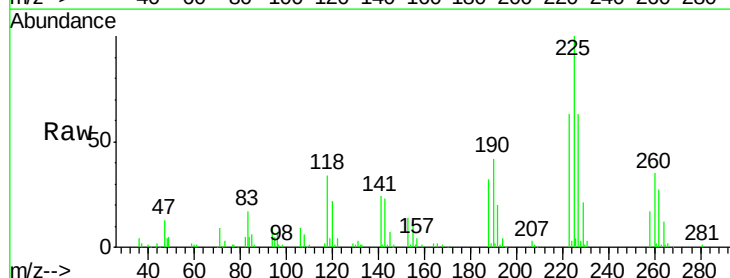
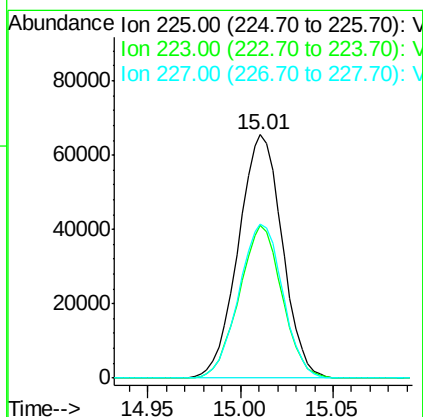
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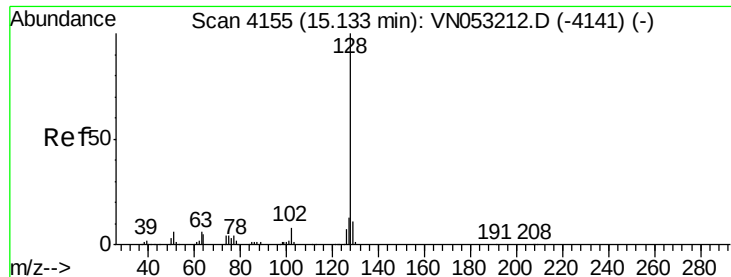
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 1/21/2019 10:48:00 AM



#90
 Hexachlorobutadiene
 Concen: 24.079 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	0.0	125.6
227	63.2	0.0	127.8





#91

Naphthalene

Concen: 14.889 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

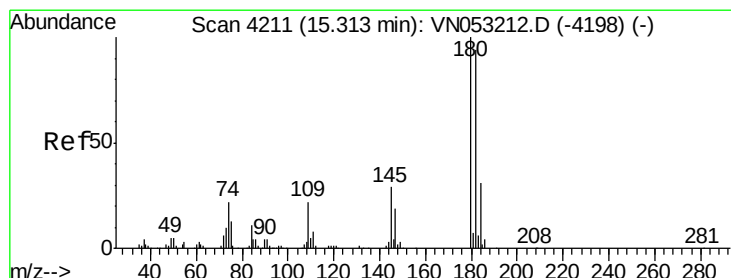
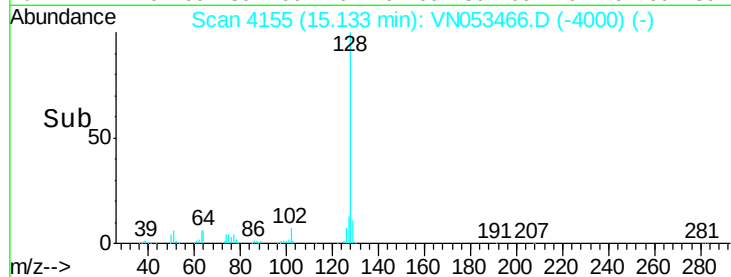
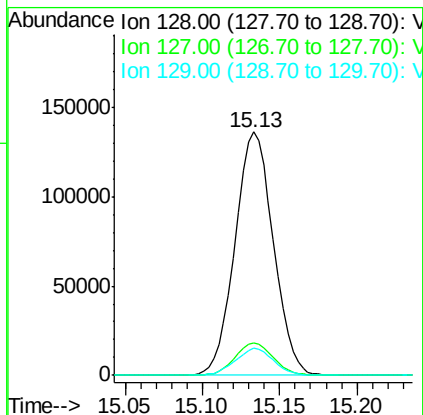
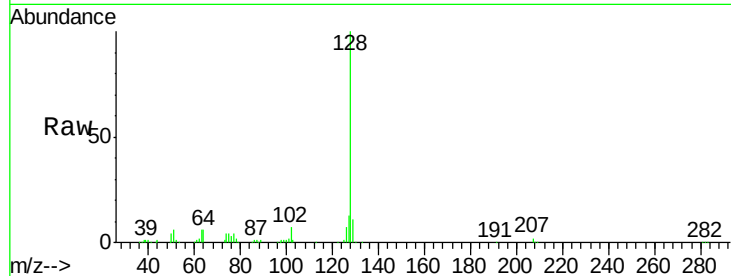
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	234484
Ion Ratio		Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.1	8.5	12.7

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 15.759 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion:	180	Resp:	104361
Ion Ratio		Lower	Upper
180	100		
182	96.9	0.0	196.2
145	29.6	0.0	62.2

