

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053350.D
 Acq On : 10 Jan 2019 19:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:12:05 AM

Quant Time: Jan 11 06:42:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1330933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	581141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437102	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	7.59	113	383395	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.09	98	1624184	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	587271	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	378177	50.113	ug/l	99
3) Chloromethane	2.06	50	526070	49.919	ug/l	99
4) Vinyl Chloride	2.19	62	502894	49.996	ug/l	100
5) Bromomethane	2.54	94	324157	49.318	ug/l	100
6) Chloroethane	2.69	64	302428	49.813	ug/l	98
7) Trichlorofluoromethane	3.01	101	624497	47.932	ug/l	98
8) Diethyl Ether	3.41	74	256093	50.149	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	394125	47.731	ug/l	100
10) Methyl Iodide	3.95	142	622795	53.808	ug/l	100
11) Tert butyl alcohol	4.78	59	104774	195.601	ug/l	100
12) 1,1-Dichloroethene	3.74	96	385551	48.272	ug/l	99
13) Acrolein	3.61	56	150839	223.966	ug/l	99
14) Allyl chloride	4.32	41	649591	50.461	ug/l	96
15) Acrylonitrile	4.99	53	806993	252.373	ug/l	99
16) Acetone	3.82	43	501100	233.650	ug/l	98
17) Carbon Disulfide	4.05	76	1080129	43.865	ug/l	100
18) Methyl Acetate	4.32	43	391063	48.519	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1143329	51.004	ug/l	97
20) Methylene Chloride	4.55	84	465121	48.628	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	414886	48.378	ug/l	99
22) Diisopropyl ether	5.95	45	1422919	51.309	ug/l	98
23) Vinyl Acetate	5.89	43	4516290	258.820	ug/l	100
24) 1,1-Dichloroethane	5.85	63	799043	49.957	ug/l	100
25) 2-Butanone	6.83	43	874841	239.445	ug/l	100
26) 2,2-Dichloropropane	6.82	77	551005	47.127	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	492534	50.293	ug/l	99
28) Bromochloromethane	7.19	49	352063	51.653	ug/l	99
29) Tetrahydrofuran	7.21	42	596210	247.282	ug/l	98
30) Chloroform	7.37	83	778121	49.426	ug/l	100
31) Cyclohexane	7.65	56	739286	48.634	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	644540	49.131	ug/l	100
36) 1,1-Dichloropropene	7.79	75	606024	48.774	ug/l	99
37) Ethyl Acetate	6.93	43	398960	49.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	550980	48.043	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	738930	51.334	ug/l	99
40) Benzene	8.04	78	1868571	49.232	ug/l	100
41) Methacrylonitrile	7.17	41	217434	43.274	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	550617	48.908	ug/l	100
43) Isopropyl Acetate	8.16	43	730369	45.874	ug/l	100
44) Trichloroethene	8.84	130	505834	48.537	ug/l	99
45) 1,2-Dichloropropane	9.12	63	499302	50.158	ug/l	99
46) Dibromomethane	9.21	93	287163	49.476	ug/l	100
47) Bromodichloromethane	9.40	83	596646	49.328	ug/l	100
48) Methyl methacrylate	9.20	41	370888	51.275	ug/l	99
49) 1,4-Dioxane	9.20	88	54847	711.693	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2078975	259.658	ug/l	100
52) Toluene	10.16	92	1185685	50.921	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	627782	50.736	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	718429	50.246	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	429761	50.196	ug/l	100
56) Ethyl methacrylate	10.43	69	593878	53.377	ug/l	99
57) 1,3-Dichloropropane	10.71	76	733473	51.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1545202	256.892	ug/l	100
59) 2-Hexanone	10.75	43	1407168	256.511	ug/l	99
60) Dibromochloromethane	10.90	129	467545	50.630	ug/l	99
61) 1,2-Dibromoethane	11.01	107	433200	51.273	ug/l	99
64) Tetrachloroethene	10.63	164	559051	48.216	ug/l	100
65) Chlorobenzene	11.43	112	1329561	49.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	458580	48.957	ug/l	99
67) Ethyl Benzene	11.51	91	2292959	50.423	ug/l	100
68) m/p-Xylenes	11.62	106	1754422	102.600	ug/l	100
69) o-Xylene	11.95	106	855168	51.083	ug/l	100
70) Styrene	11.96	104	1432289	52.570	ug/l	99
71) Bromoform	12.13	173	332051	50.187	ug/l #	99
73) Isopropylbenzene	12.25	105	2279696	52.688	ug/l	100
74) N-amyl acetate	12.07	43	671477	51.972	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	503718	50.609	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	441979m	52.143	ug/l	
77) Bromobenzene	12.53	156	591891	51.255	ug/l	99
78) n-propylbenzene	12.59	91	2623000	53.594	ug/l	99
79) 2-Chlorotoluene	12.68	91	1538325	51.946	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1858997	53.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	154791	53.729	ug/l	98
82) 4-Chlorotoluene	12.77	91	1573617	51.821	ug/l	100
83) tert-Butylbenzene	12.99	119	1645039	53.798	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1871835	52.719	ug/l	100
85) sec-Butylbenzene	13.17	105	2247058	55.722	ug/l	100
86) p-Isopropyltoluene	13.29	119	1942446	55.633	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1033208	50.807	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1006743	49.906	ug/l	99
89) n-Butylbenzene	13.62	91	1617104	55.242	ug/l	100
90) Hexachloroethane	13.88	117	297924	53.236	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	946261	49.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64970	53.818	ug/l	98

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VSTDCCC050EC

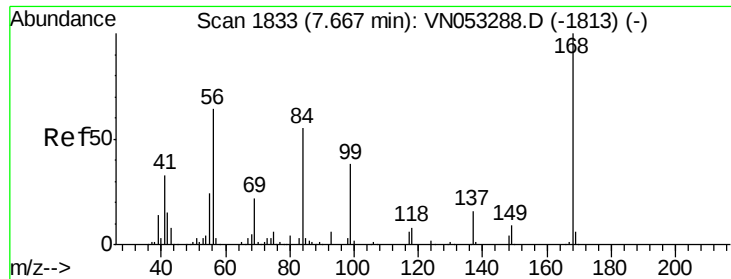
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	374738	62.567	ug/l	100
94) Hexachlorobutadiene	15.01	225	286230	58.427	ug/l	99
95) Naphthalene	15.13	128	678525	66.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	266251	67.898	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 856000

Ion Ratio Lower Upper

168 100

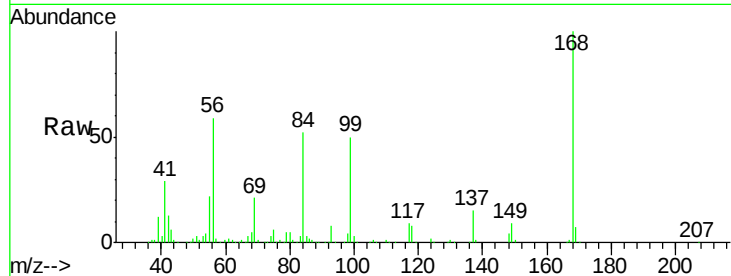
99 49.8 39.1 58.7

Manual Integrations

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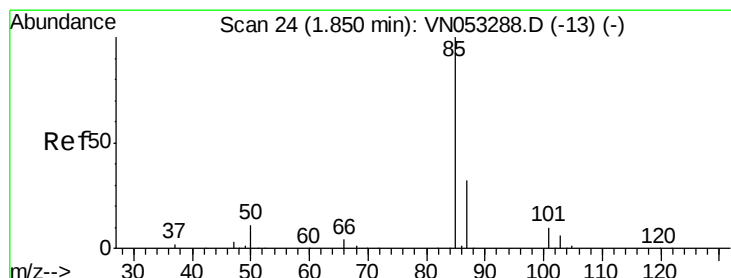
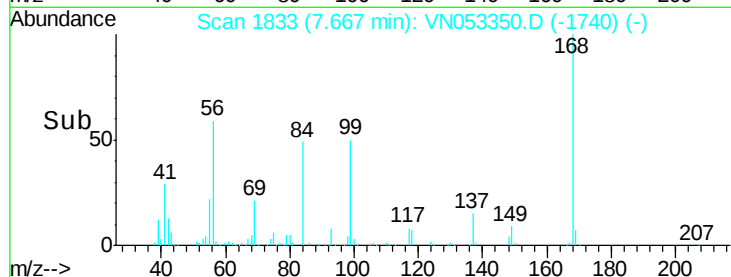
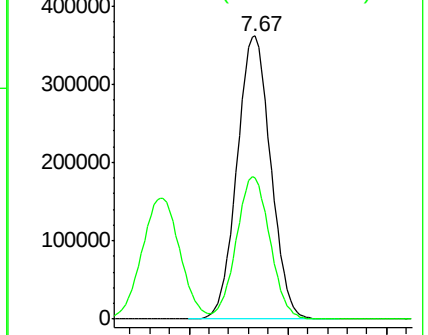
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.113 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053350.D

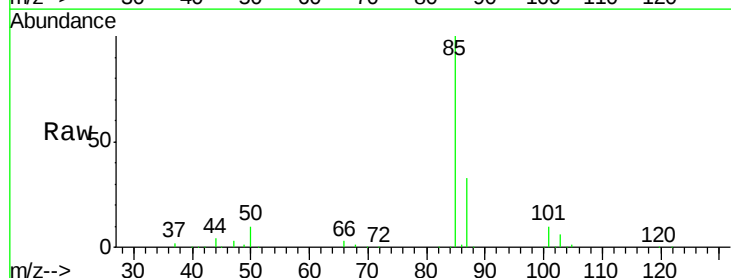
Acq: 10 Jan 2019 19:29

Tgt Ion: 85 Resp: 378177

Ion Ratio Lower Upper

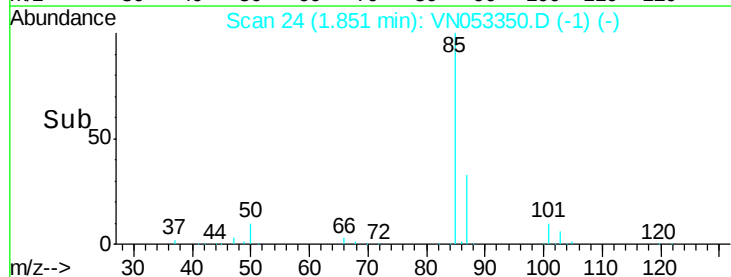
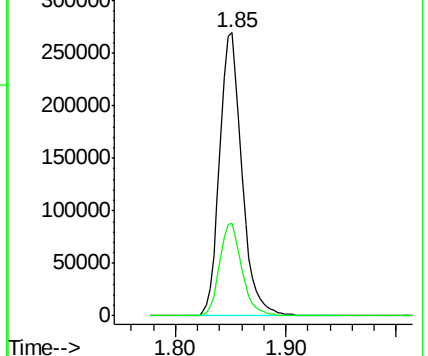
85 100

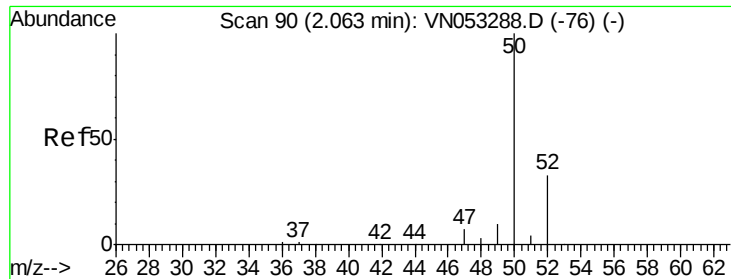
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.919 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 526070

Ion Ratio Lower Upper

50 100

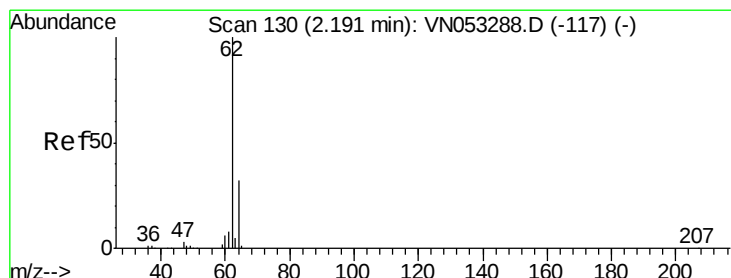
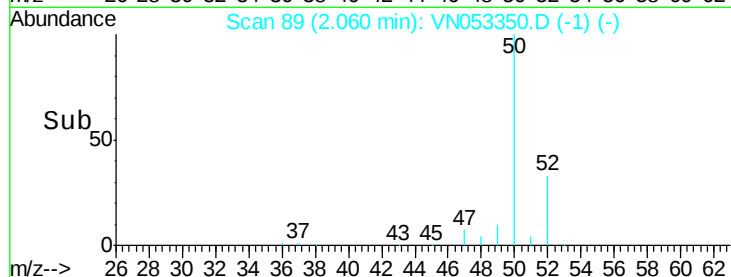
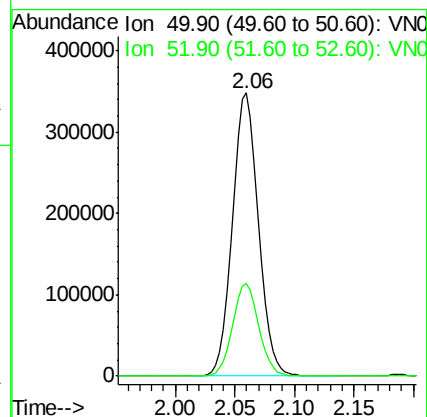
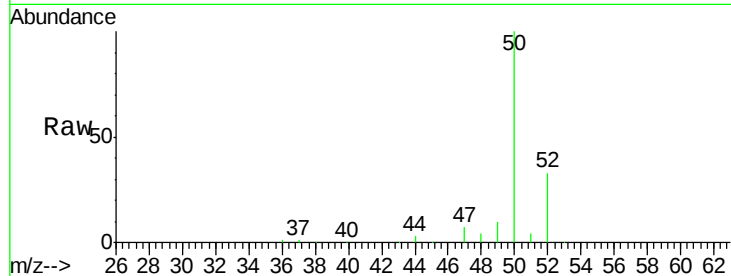
52 32.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.996 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053350.D

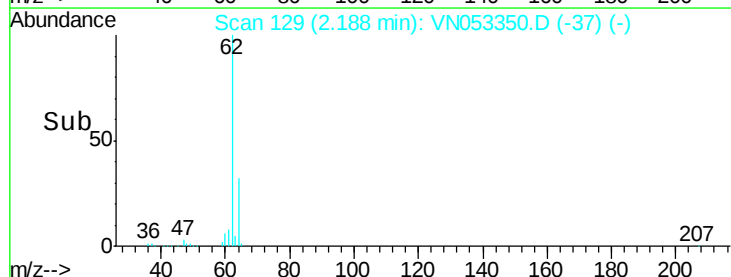
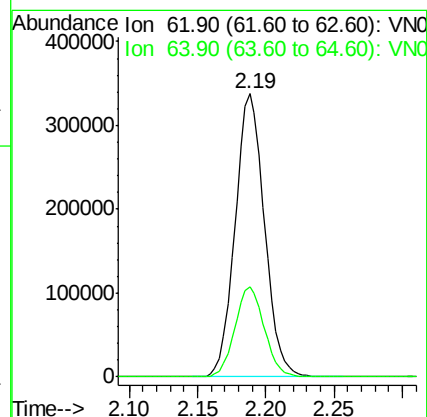
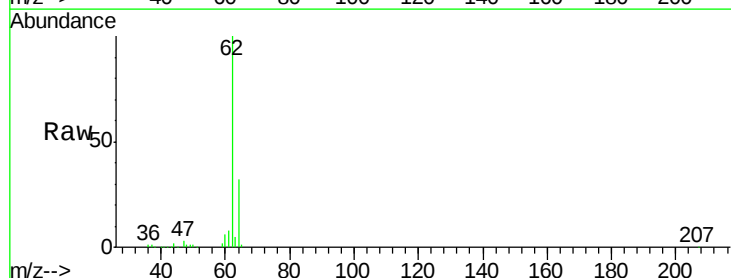
Acq: 10 Jan 2019 19:29

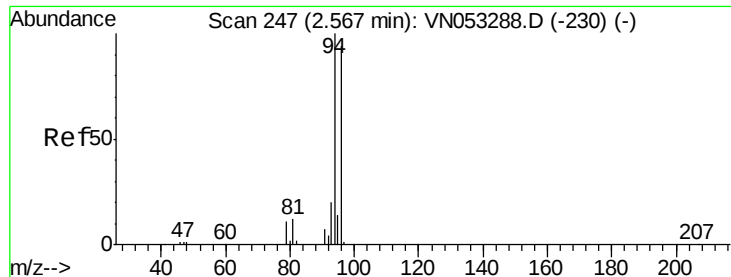
Tgt Ion: 62 Resp: 502894

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 49.318 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.03 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 324157

Ion Ratio Lower Upper

94 100

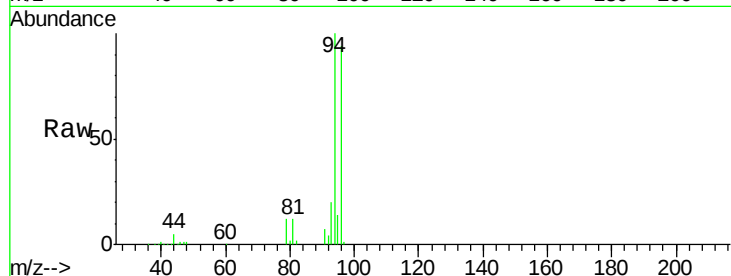
96 93.6 74.9 112.3

Manual Integrations

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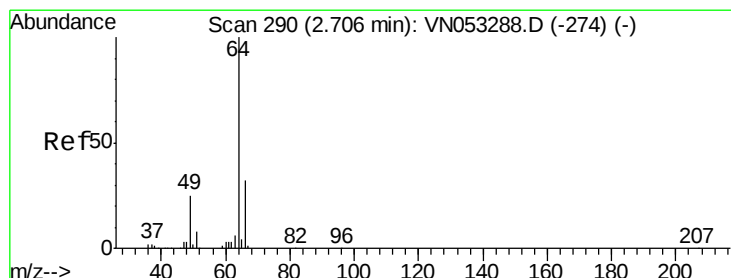
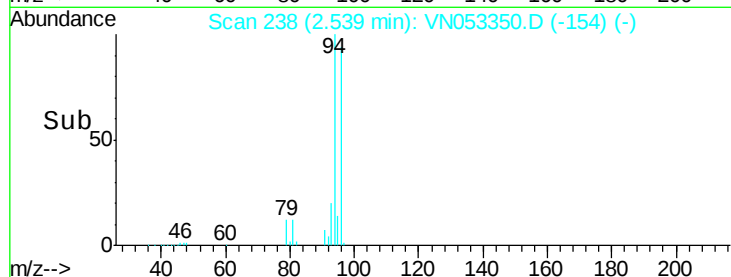
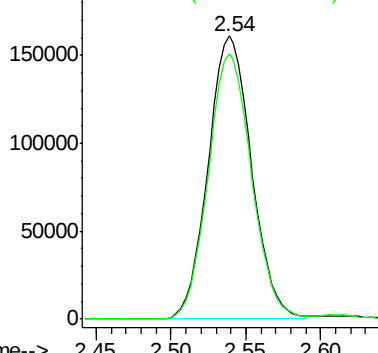
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1/11/2019 10:12:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.813 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN053350.D

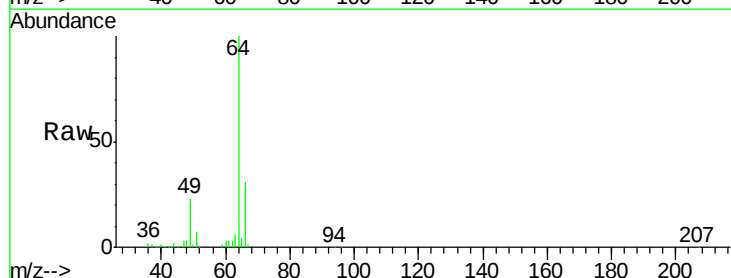
Acq: 10 Jan 2019 19:29

Tgt Ion: 64 Resp: 302428

Ion Ratio Lower Upper

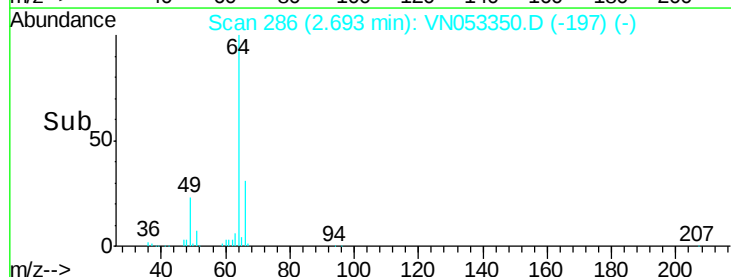
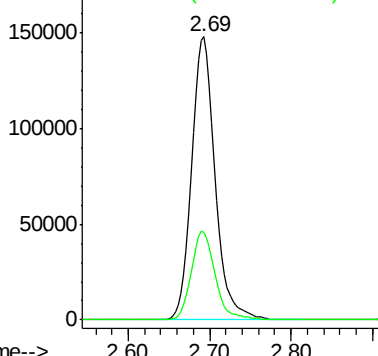
64 100

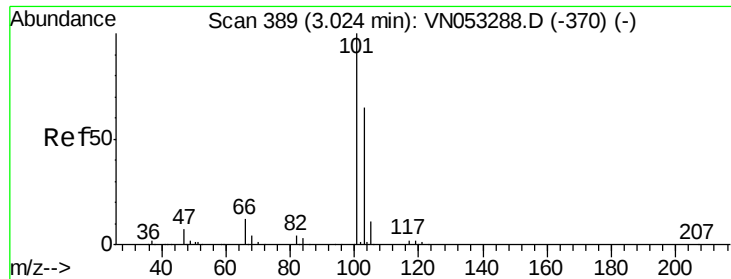
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

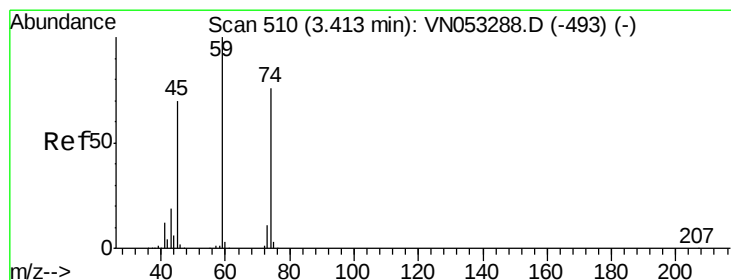
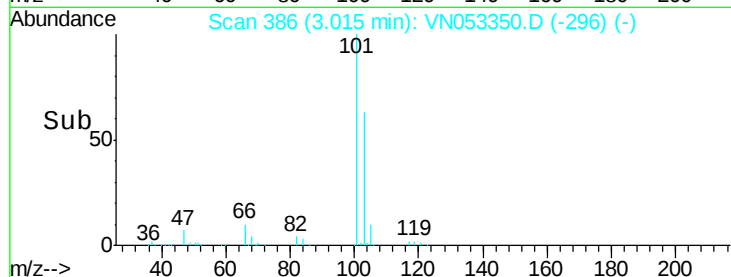
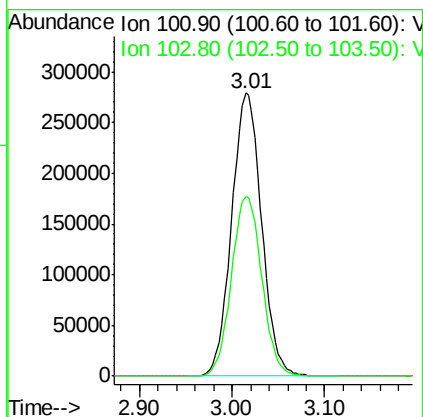
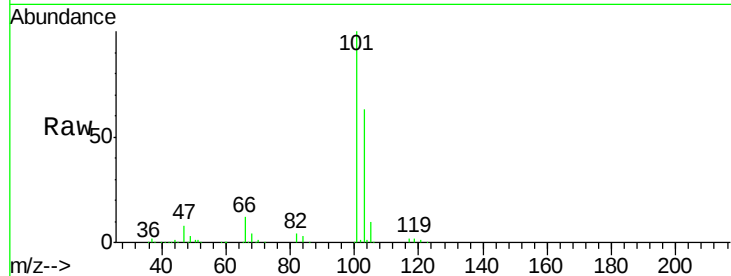
Trichlorofluoromethane
Concen: 47.932 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.1	78.1

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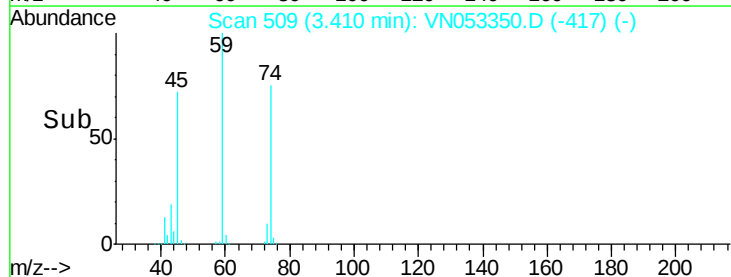
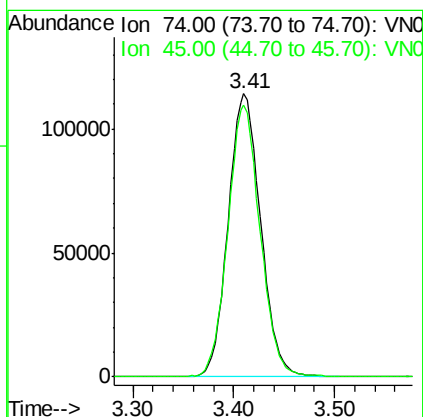
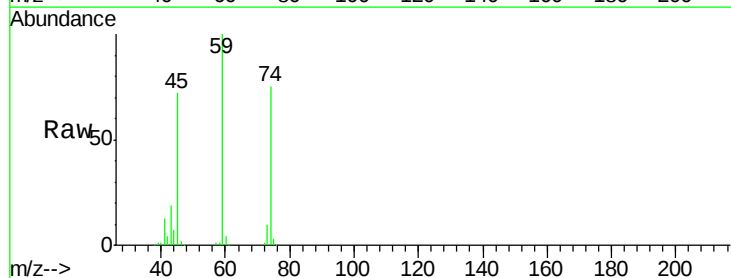
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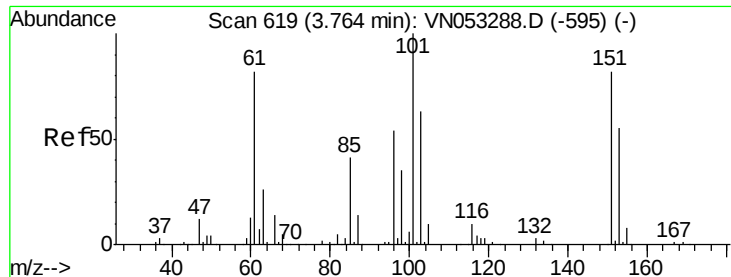


#8

Diethyl Ether
Concen: 50.149 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.9





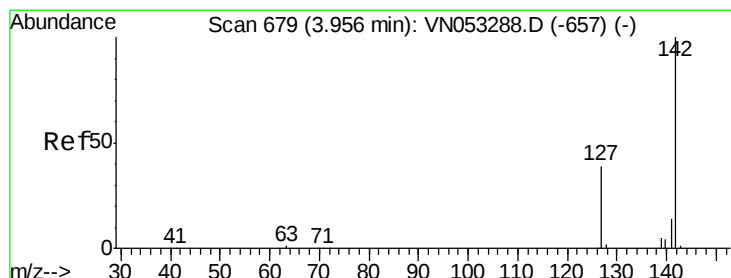
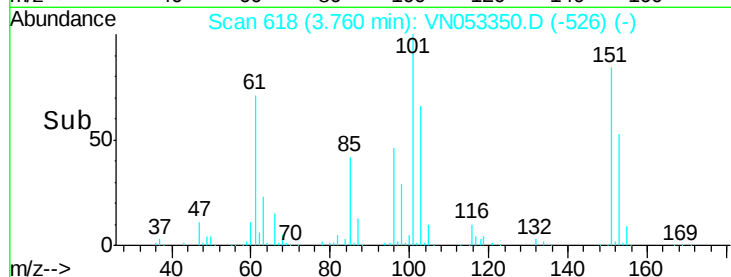
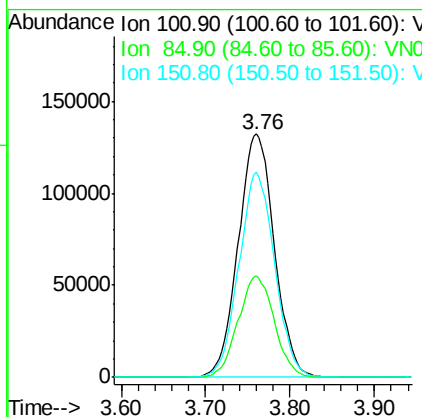
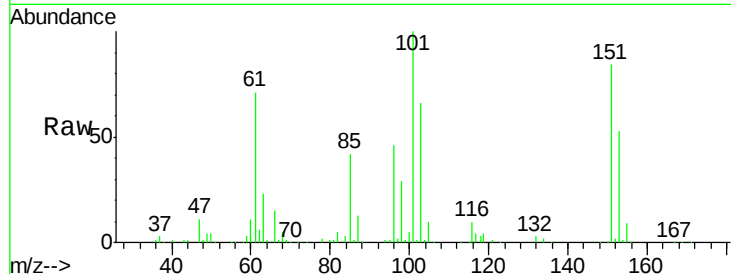
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.731 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	394125		
85	41.7	33.3	49.9	
151	83.5	67.0	100.4	

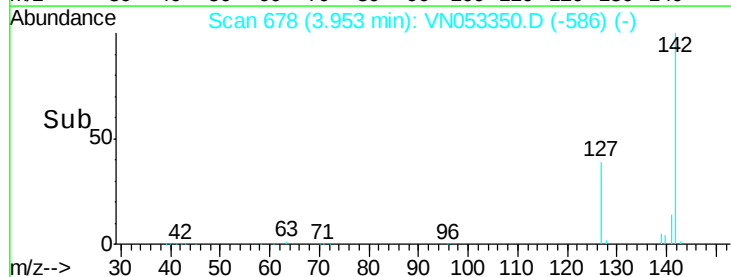
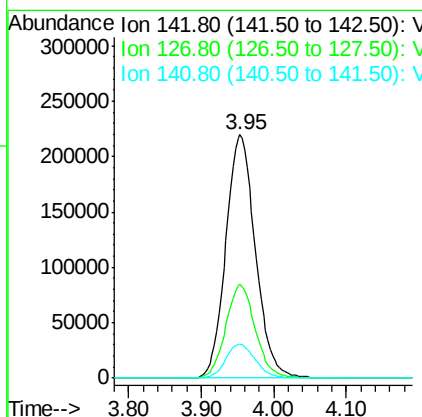
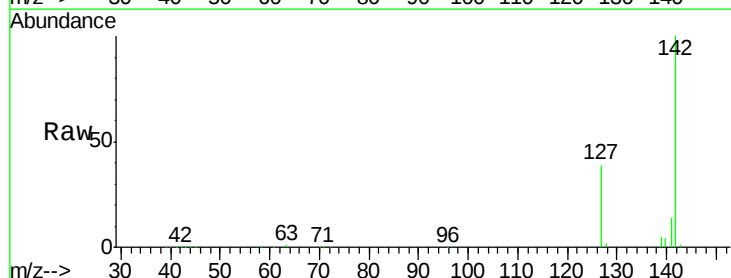
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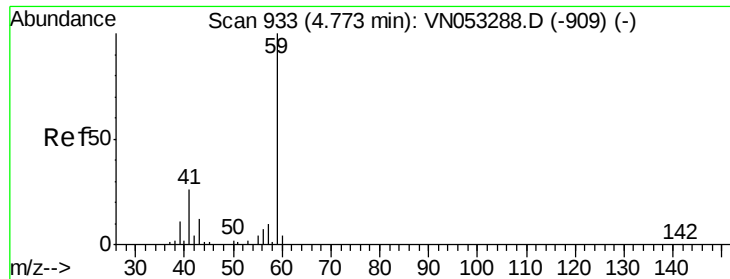
MMDadoda
 1/11/2019 10:12:05 AM



#10
 Methyl Iodide
 Concen: 53.808 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	622795		
127	38.5	30.9	46.3	
141	14.1	11.2	16.8	





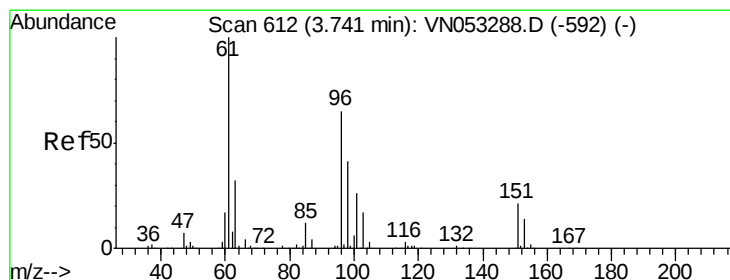
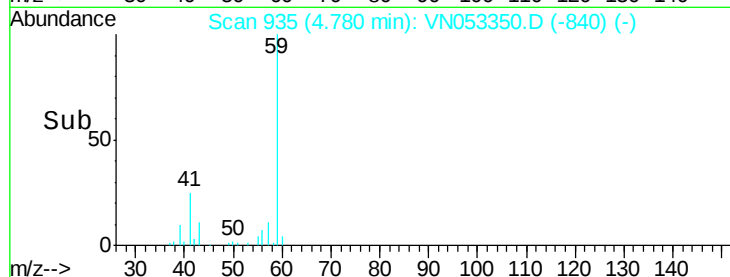
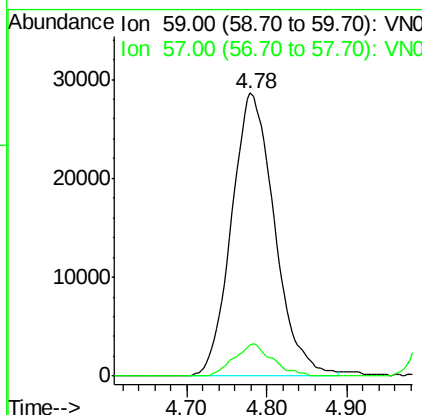
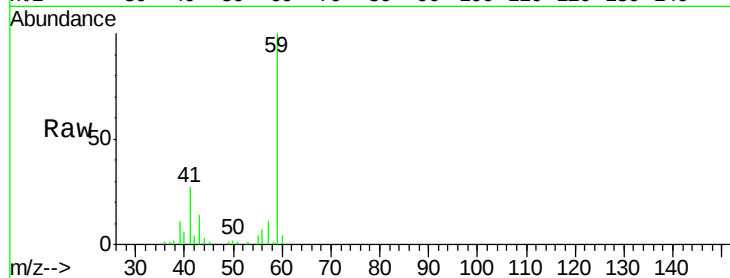
#11
Tert butyl alcohol
Concen: 195.601 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

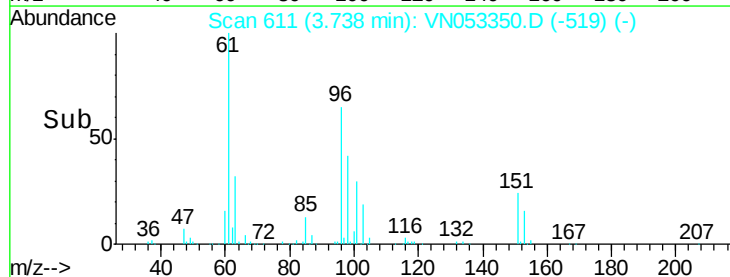
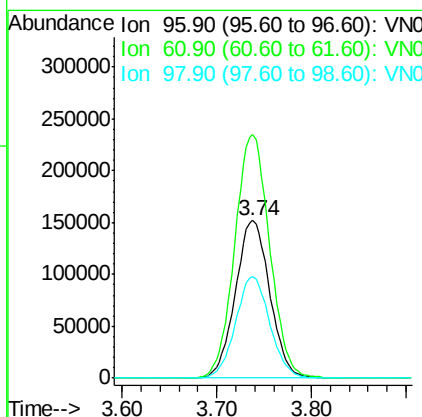
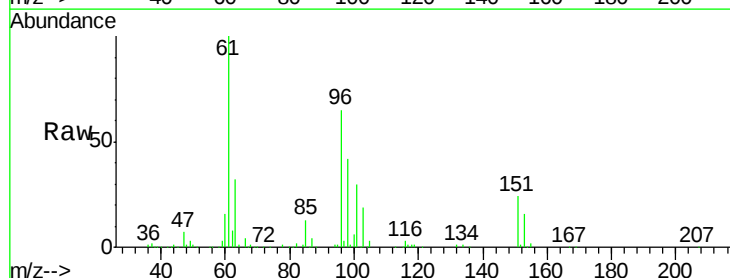
Manual Integrations
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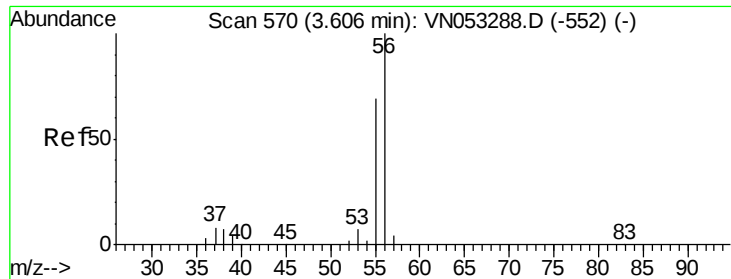
MMDadoda
1/11/2019 10:12:05 AM



#12
1,1-Dichloroethene
Concen: 48.272 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.2	184.8
98	64.4	50.5	75.7





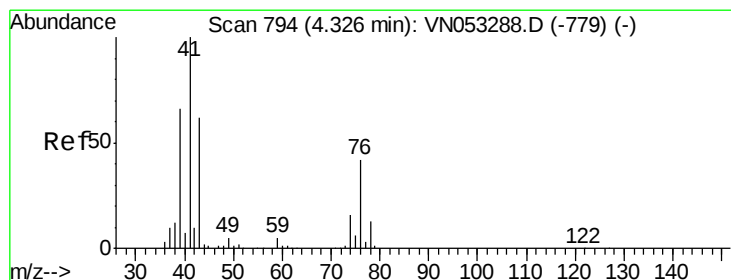
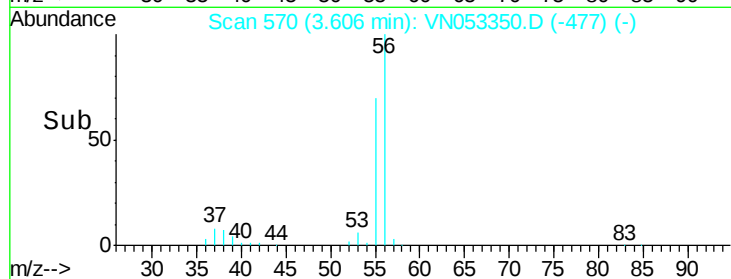
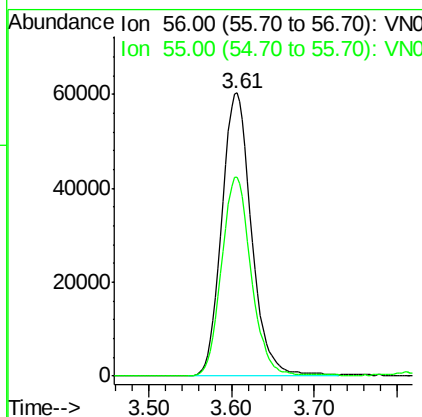
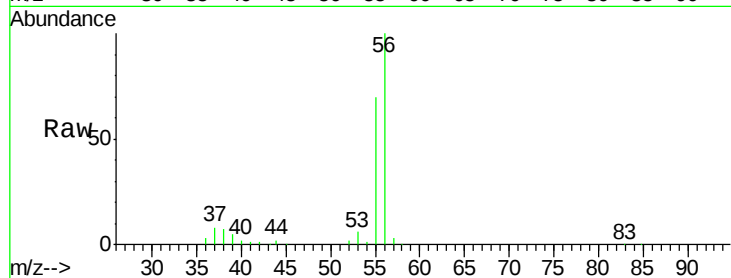
#13
Acrolein
Concen: 223.966 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	150839
Ion Ratio	100	Lower	Upper
56	100		
55	69.6	56.3	84.5

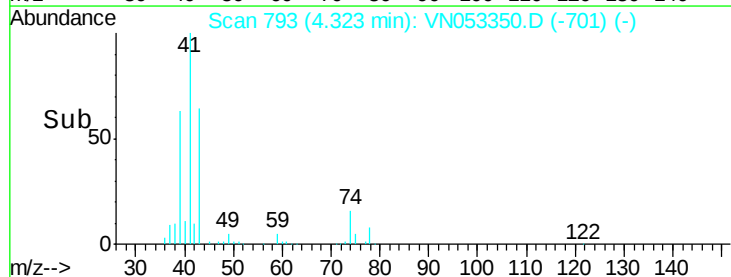
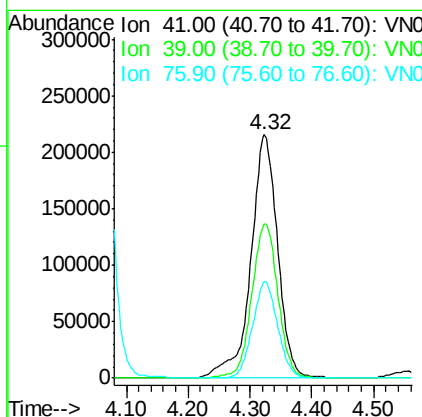
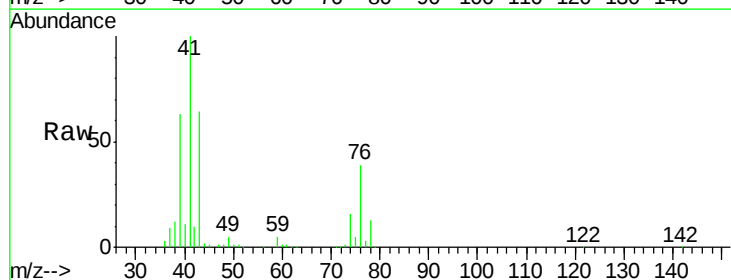
Manual Integrations
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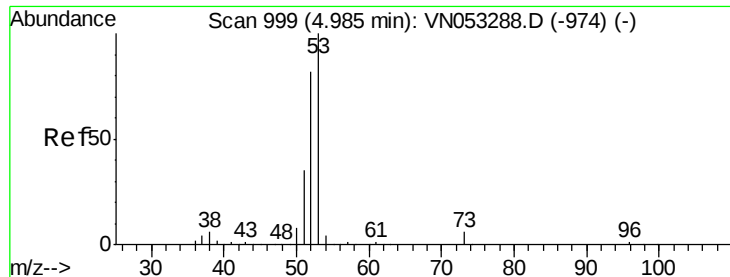
MMDadoda
1/11/2019 10:12:05 AM



#14
Allyl chloride
Concen: 50.461 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	41	Resp	649591
Ion Ratio	100	Lower	Upper
41	100		
39	61.7	51.9	77.9
76	36.5	31.2	46.8





#15

Acrylonitrile

Concen: 252.373 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

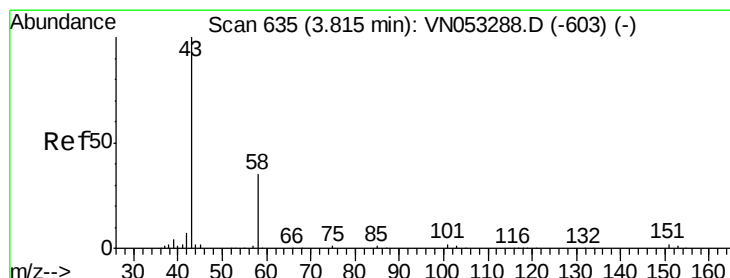
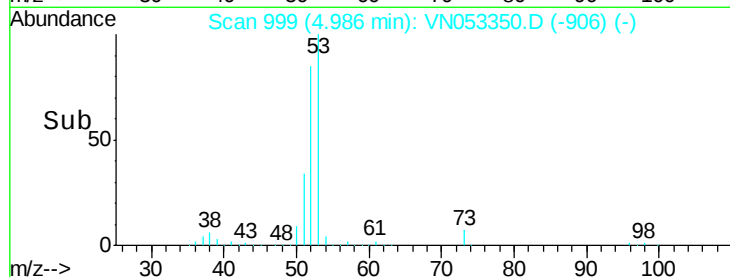
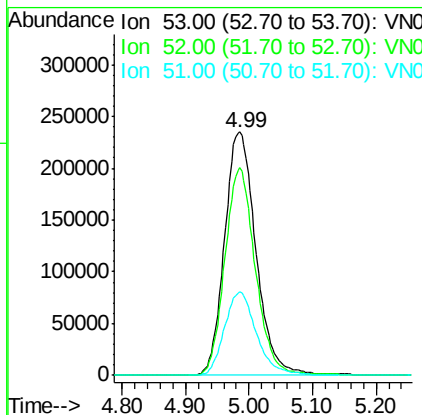
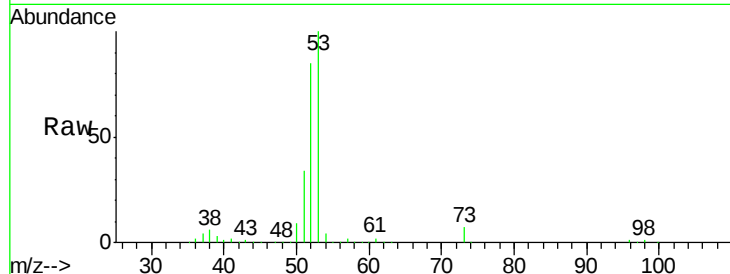
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	806993
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	35.0	28.0	42.0

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#16

Acetone

Concen: 233.650 ug/l

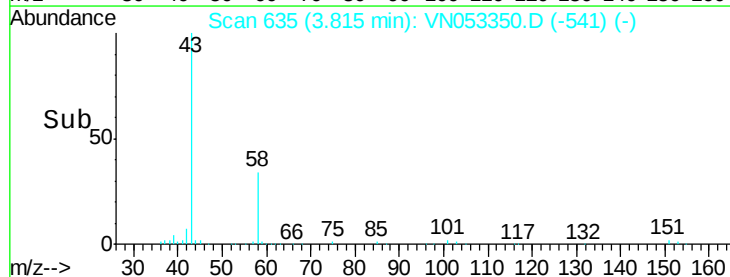
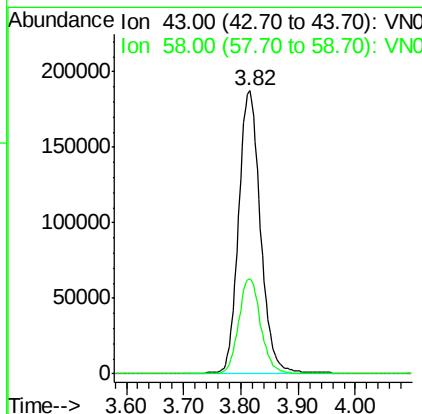
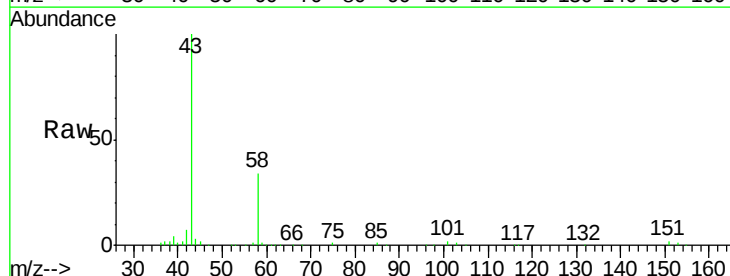
RT: 3.82 min Scan# 635

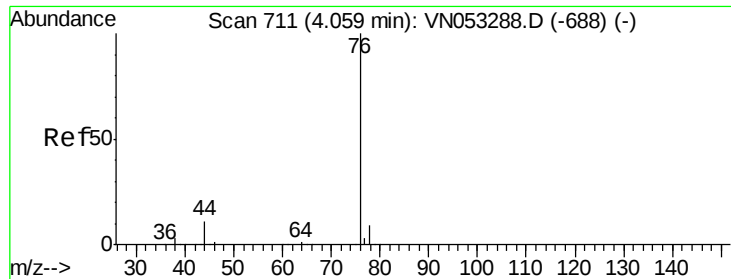
Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	43	Resp:	501100
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6





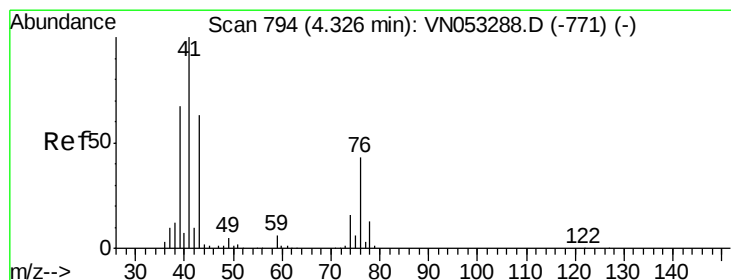
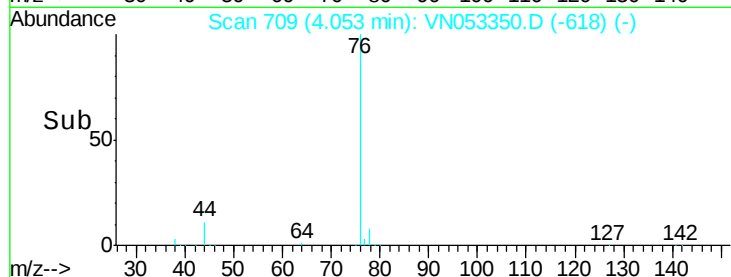
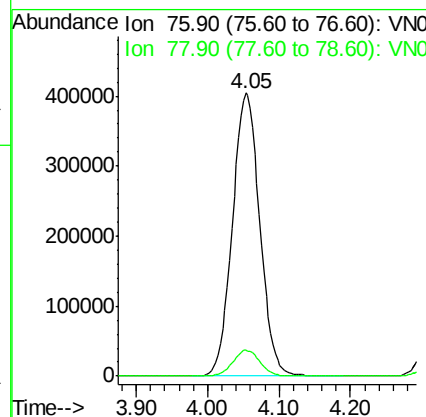
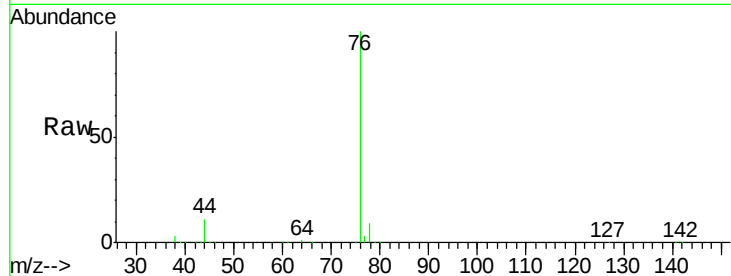
#17
Carbon Disulfide
Concen: 43.865 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.01 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1080129
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

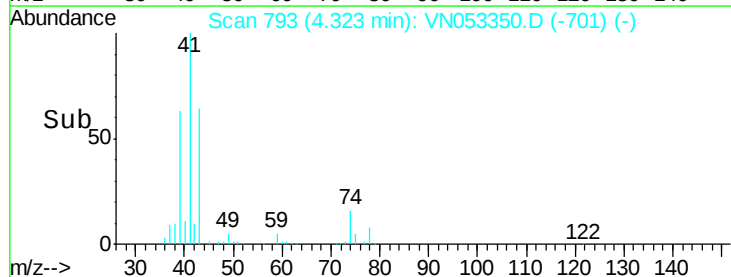
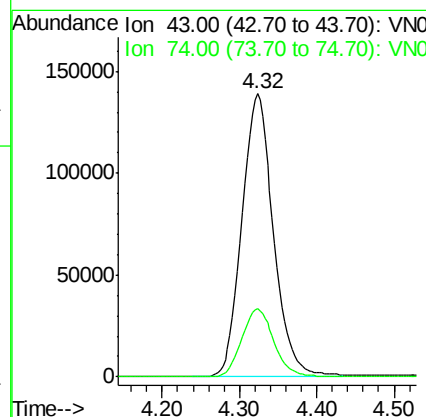
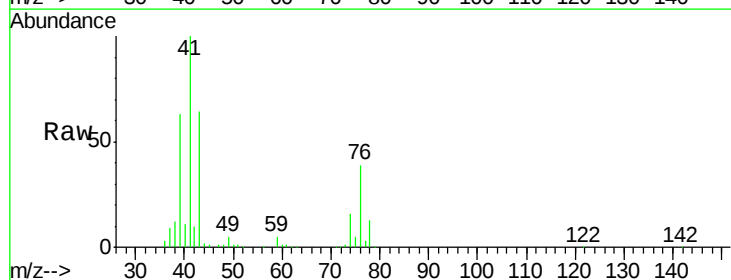
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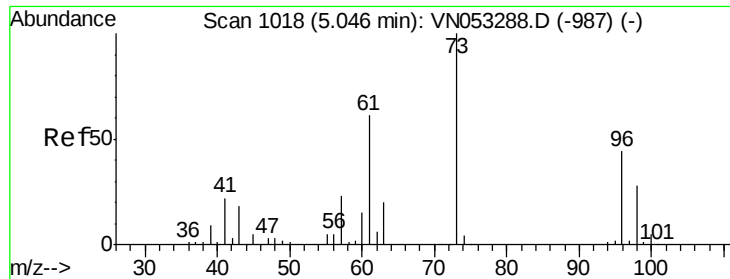
MMDadoda
1/11/2019 10:12:05 AM



#18
Methyl Acetate
Concen: 48.519 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 43 Resp: 391063
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8





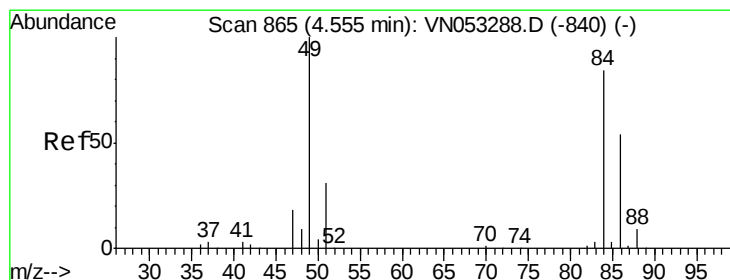
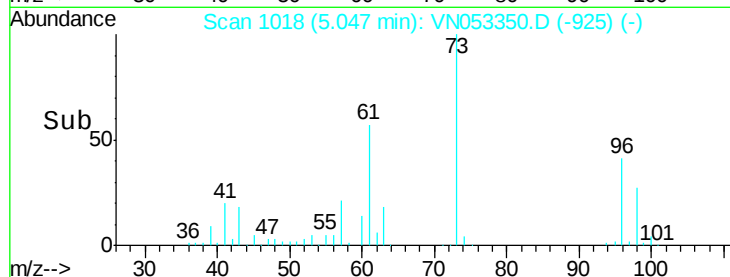
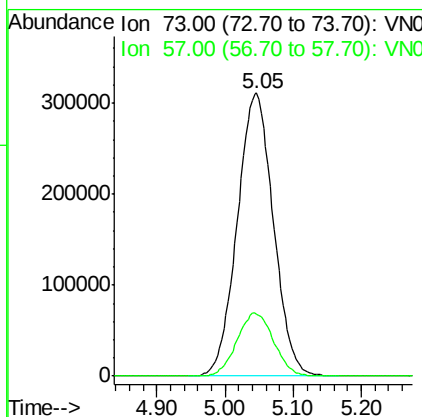
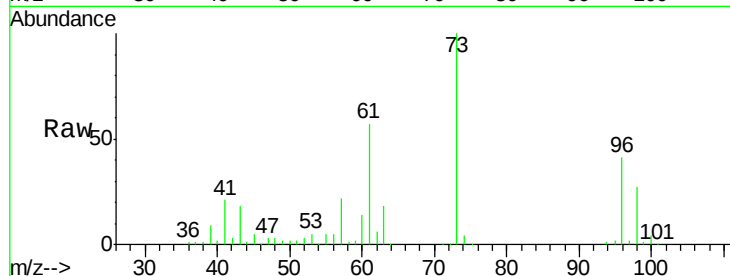
#19
Methvl tert-butvl Ether
Concen: 51.004 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1143329
Ion Ratio Lower Upper
73 100
57 21.8 18.5 27.7

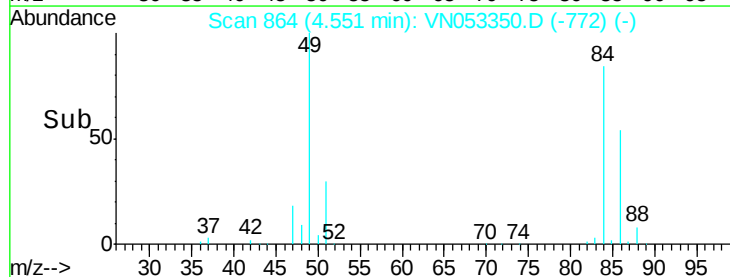
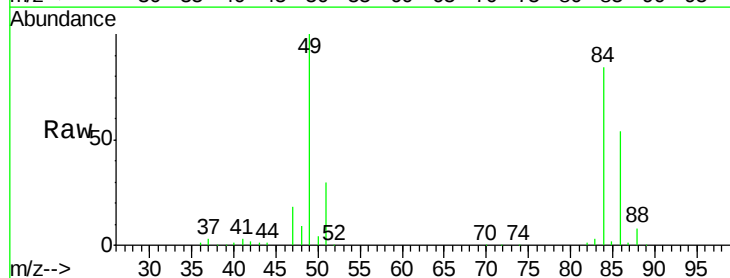
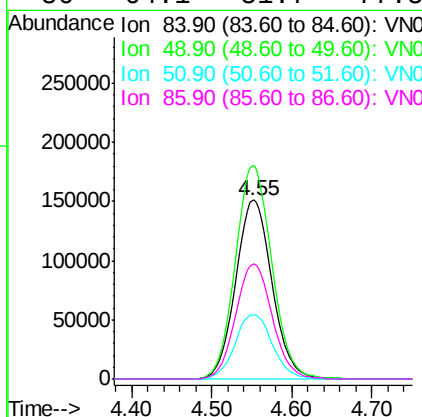
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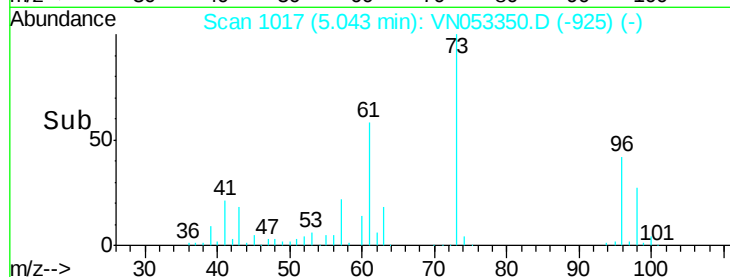
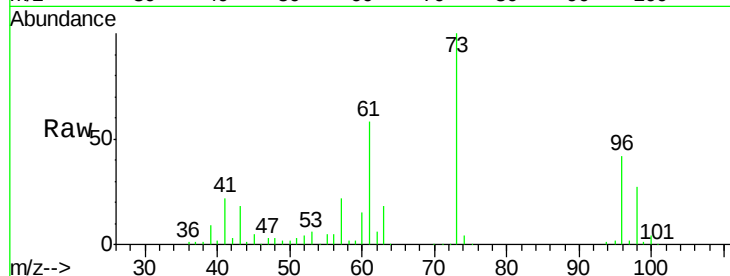
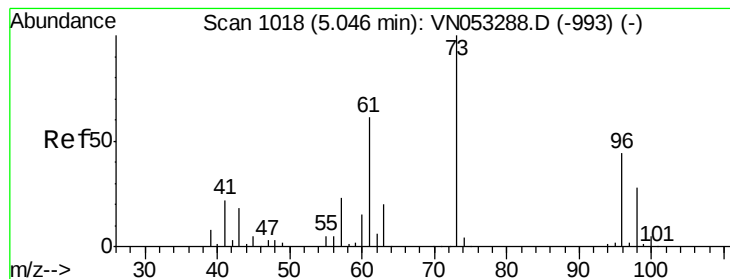
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#20
Methylene Chloride
Concen: 48.628 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 84 Resp: 465121
Ion Ratio Lower Upper
84 100
49 119.3 95.3 142.9
51 35.9 29.0 43.6
86 64.1 51.7 77.5





#21

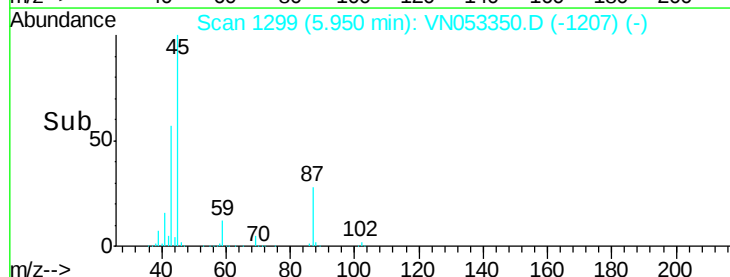
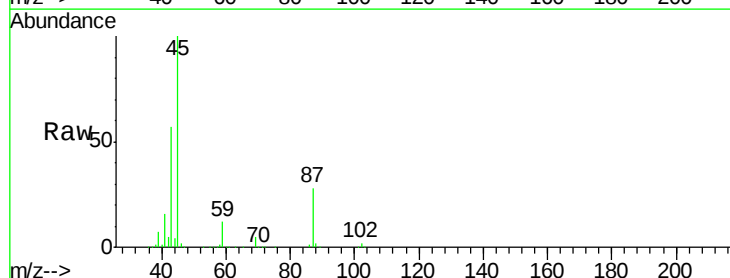
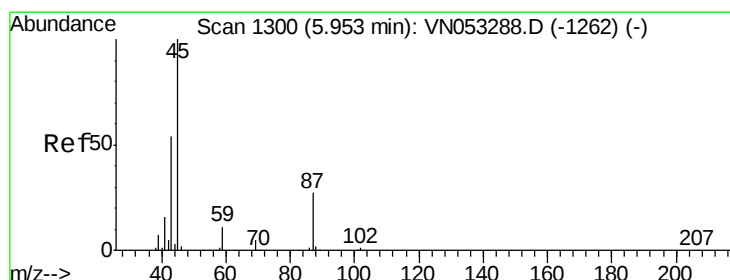
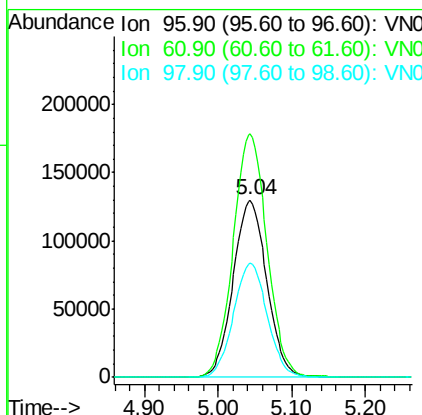
trans-1,2-Dichloroethene
Concen: 48.378 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	110.2	165.4
98	64.5	50.7	76.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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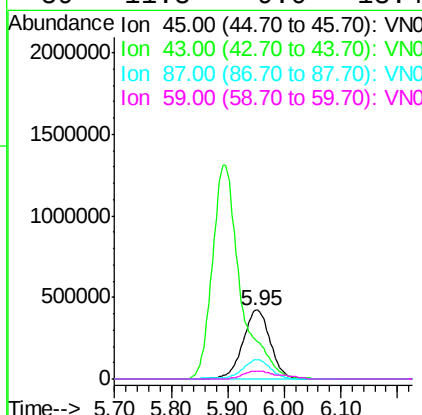
MMDadoda
1/11/2019 10:12:05 AM

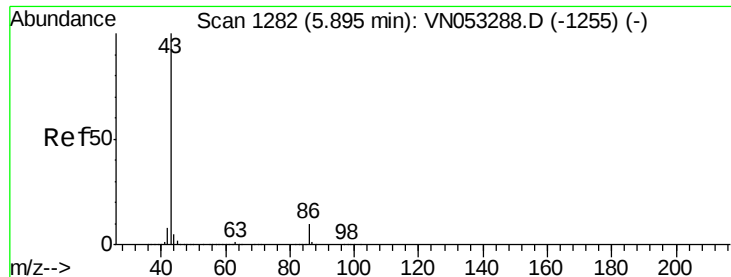


#22

Diisopropyl ether
Concen: 51.309 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	43.0	64.6
87	28.3	22.1	33.1
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 258.820 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4516290

Ion Ratio Lower Upper

43 100

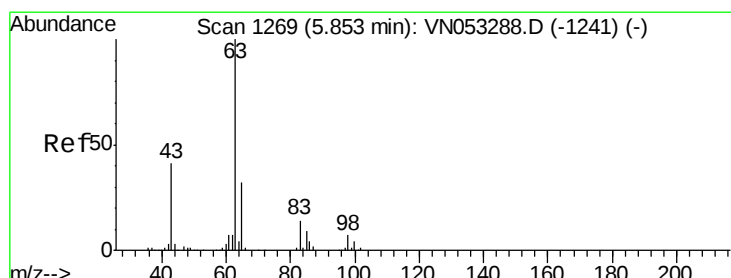
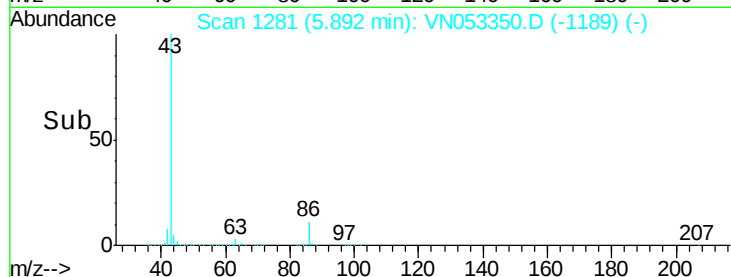
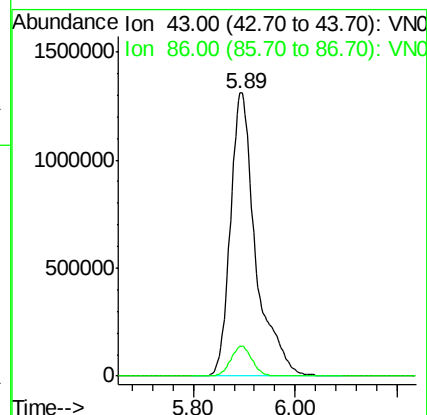
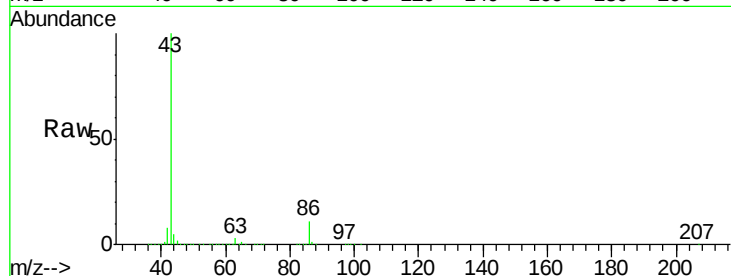
86 10.7 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.957 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

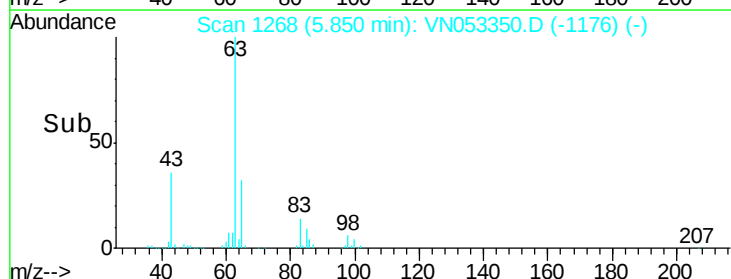
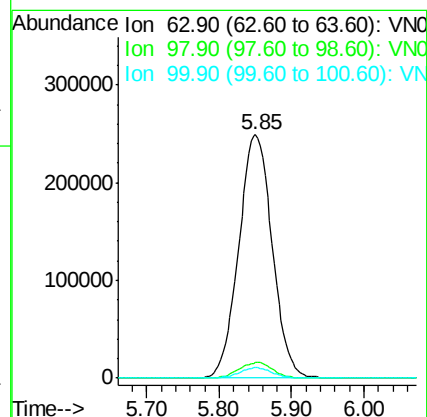
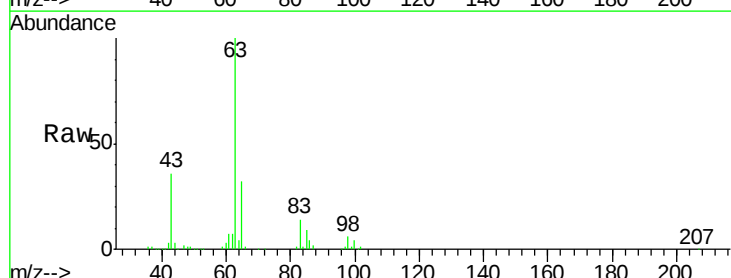
Tgt Ion: 63 Resp: 799043

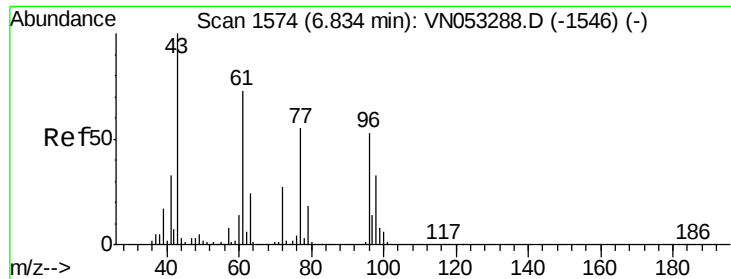
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 239.445 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 874841

Ion Ratio Lower Upper

43 100

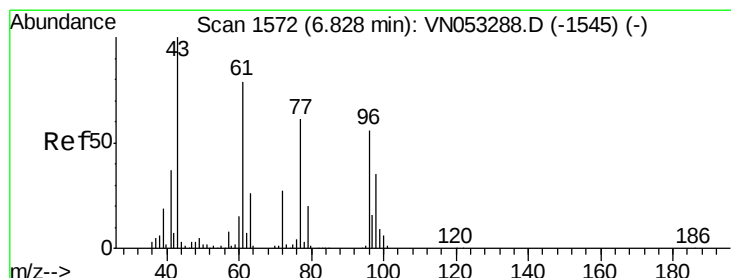
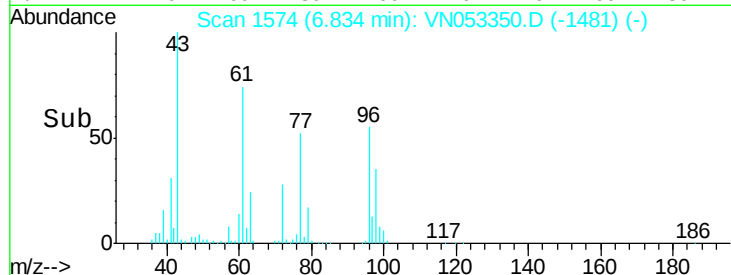
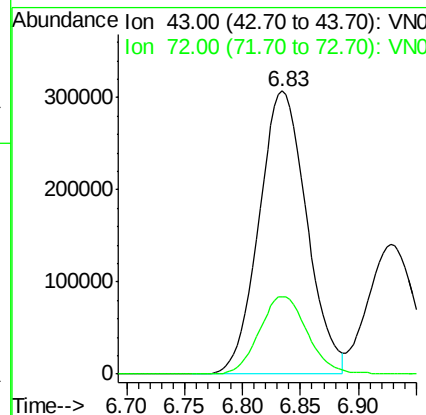
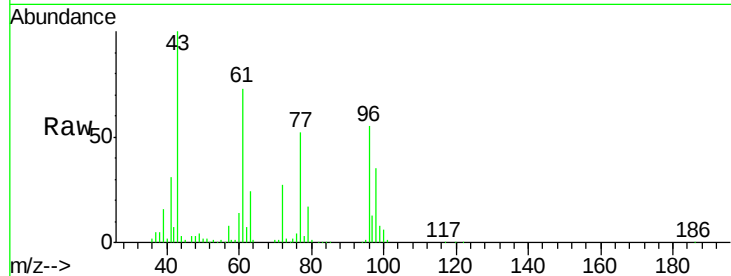
72 27.5 22.0 33.0

Manual Integrations

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1/11/2019 10:12:05 AM



#26

2,2-Dichloropropane

Concen: 47.127 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053350.D

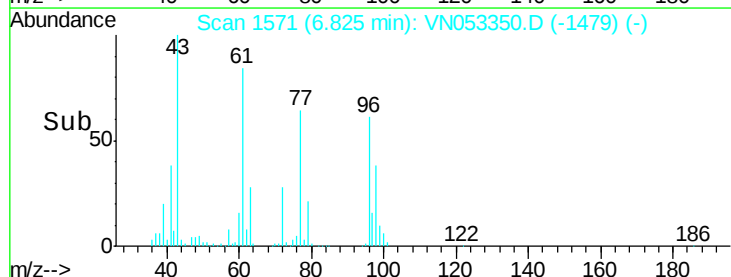
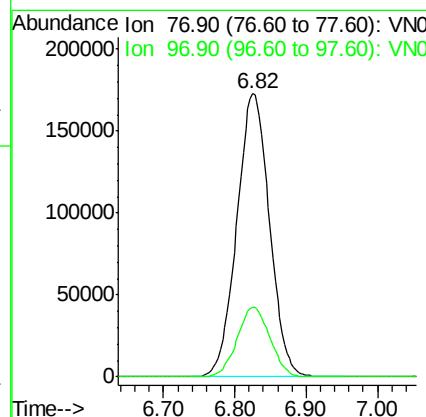
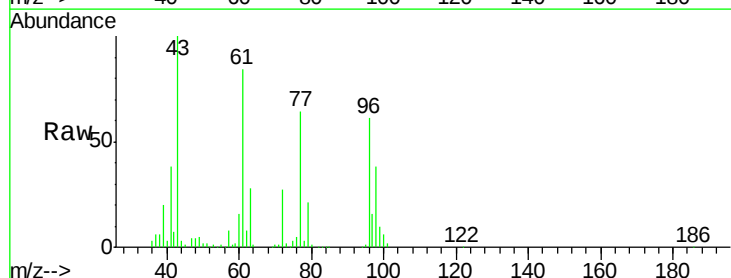
Acq: 10 Jan 2019 19:29

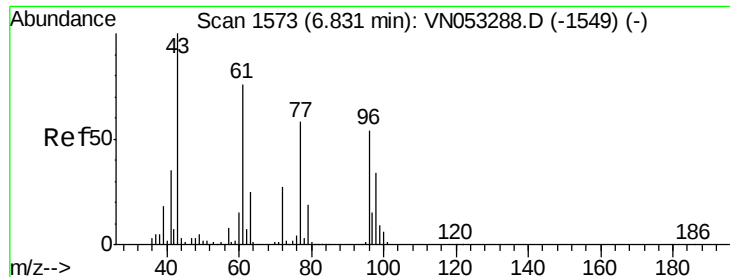
Tgt Ion: 77 Resp: 551005

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.9





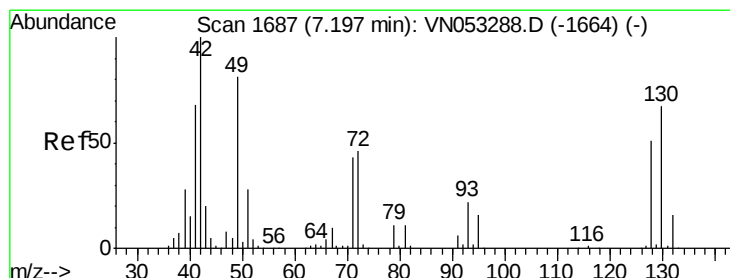
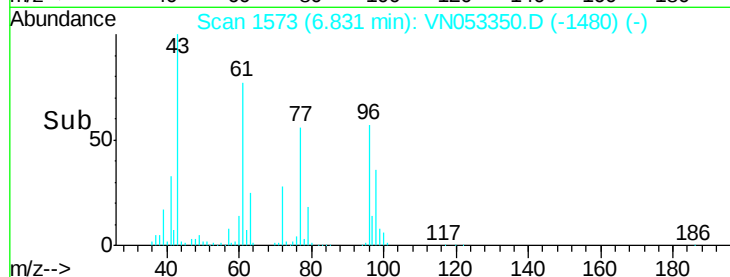
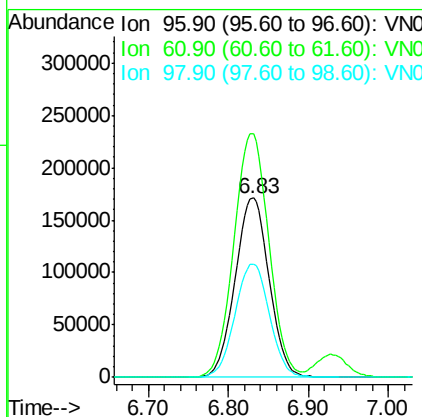
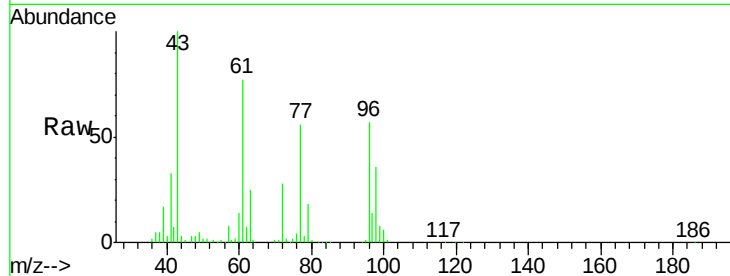
#27
 cis-1,2-Dichloroethene
 Concen: 50.293 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.5	0.0	280.6	
98	64.1	0.0	127.6	

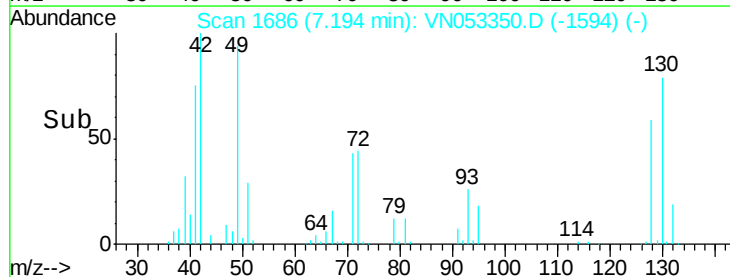
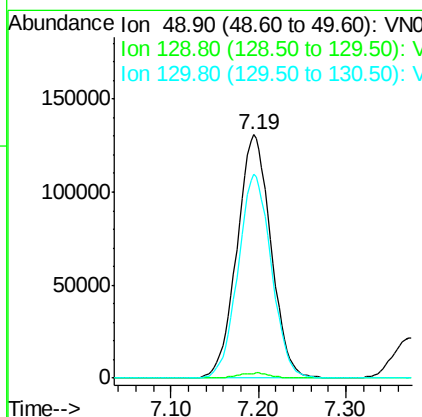
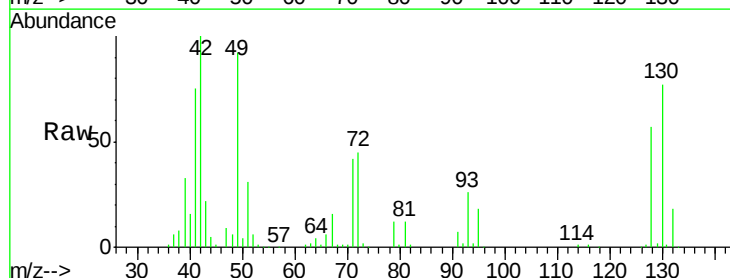
Manual Integrations
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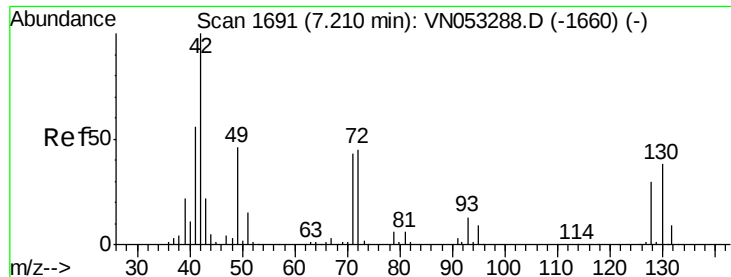
MMDadoda
 1/11/2019 10:12:05 AM



#28
 Bromochloromethane
 Concen: 51.653 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	82.3	65.4	98.0	





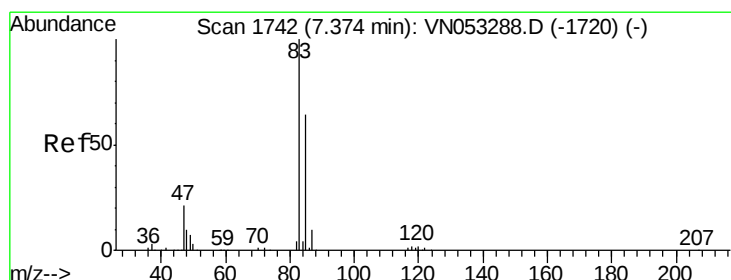
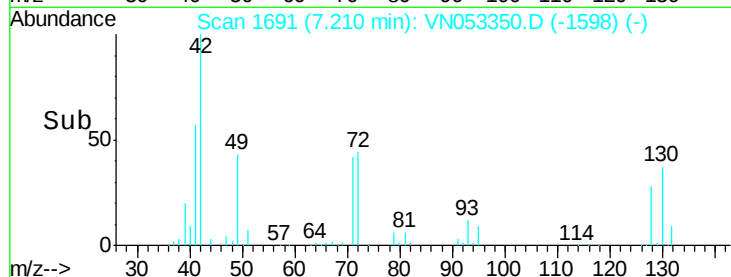
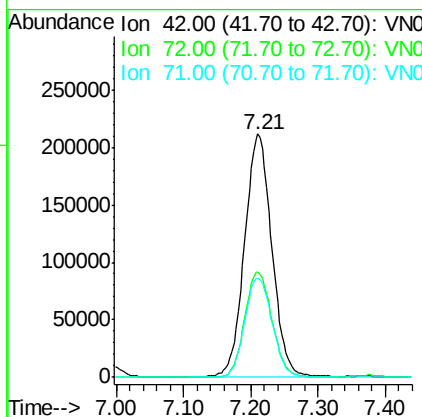
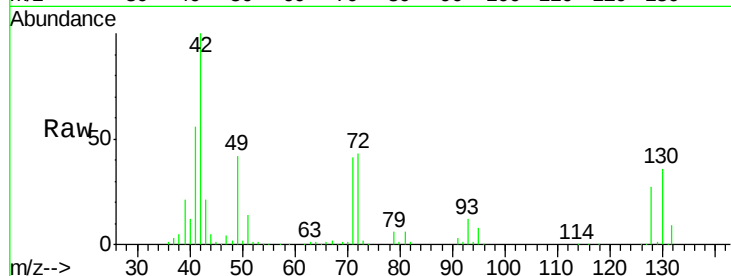
#29
Tetrahydrofuran
Concen: 247.282 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.6	53.4
71	41.4	33.8	50.8

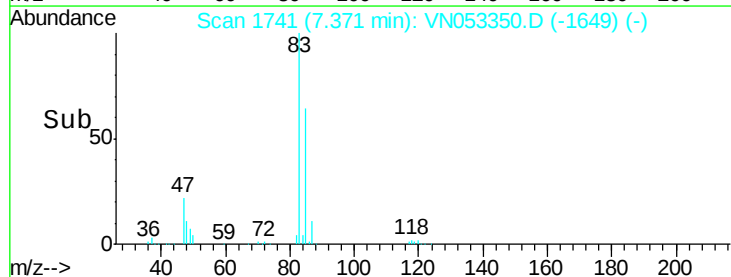
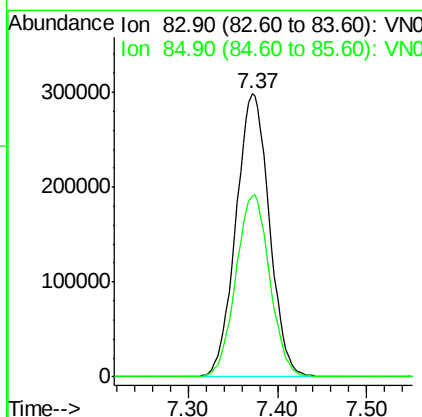
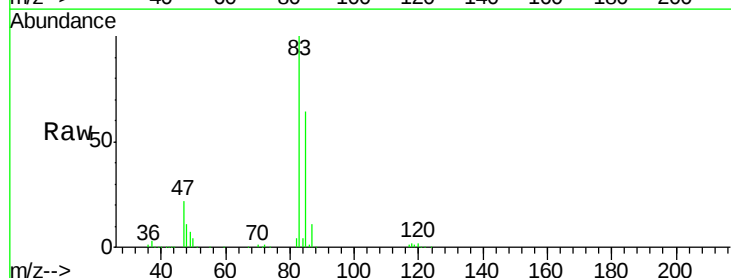
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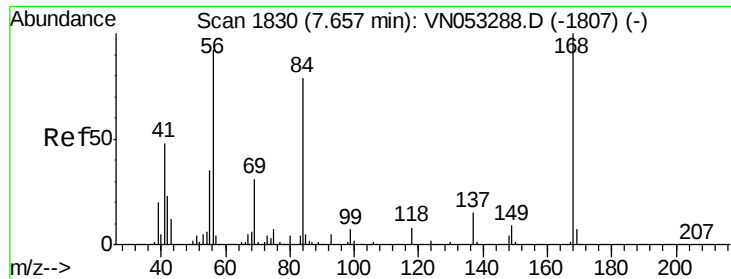
MMDadoda
1/11/2019 10:12:05 AM



#30
Chloroform
Concen: 49.426 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9





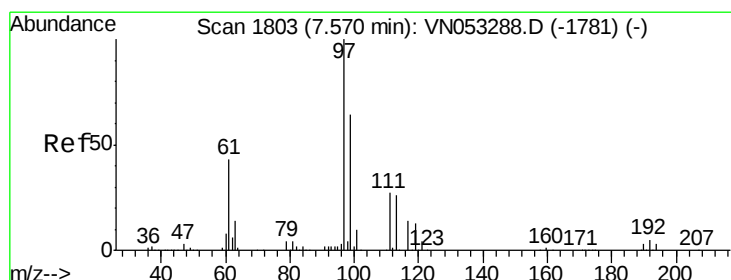
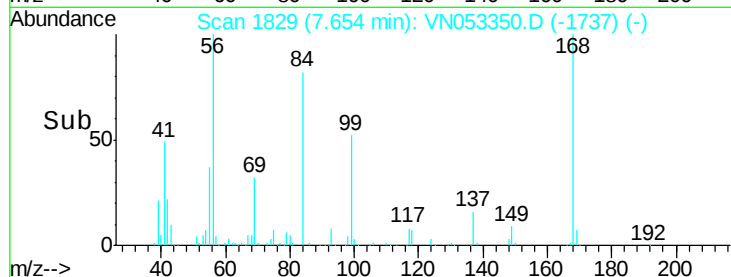
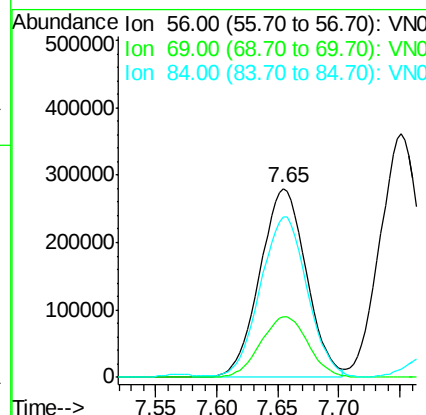
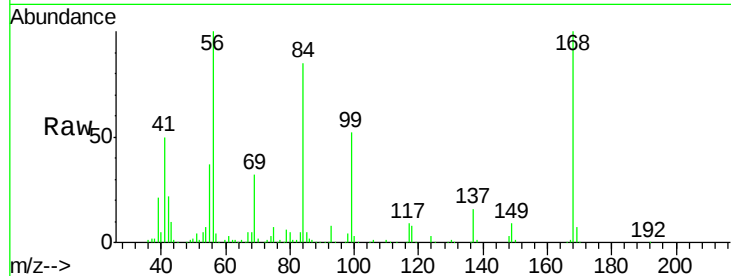
#31
Cyclohexane
Concen: 48.634 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.7	40.1
84	84.0	68.2	102.4

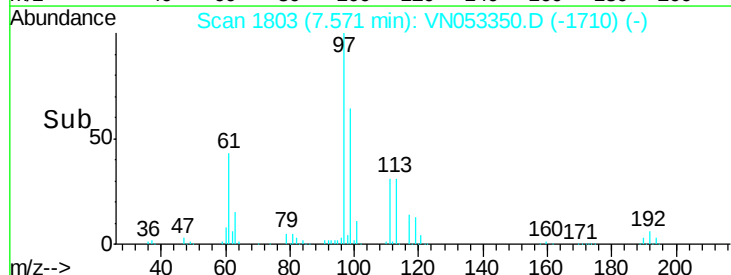
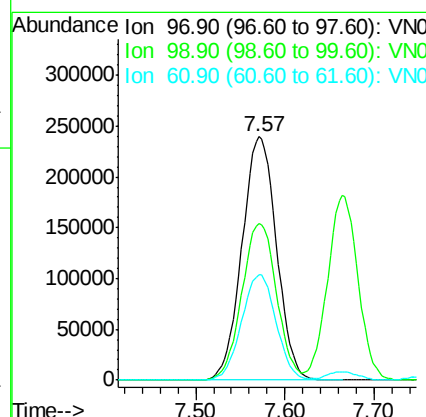
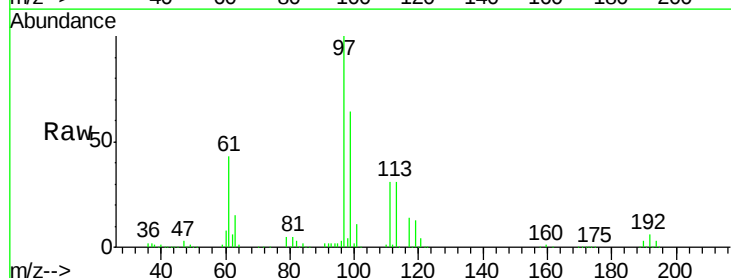
Manual Integrations
APPROVED

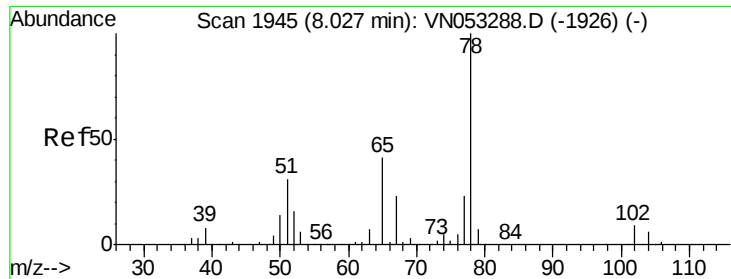
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.131 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.3	34.6	52.0





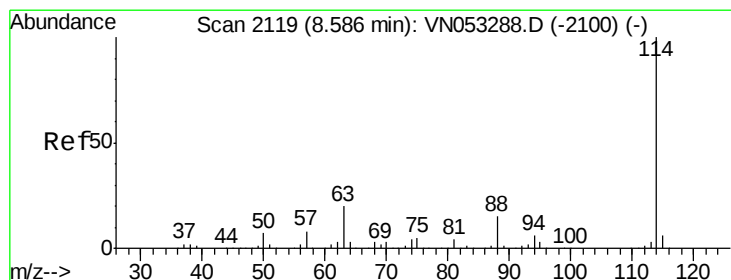
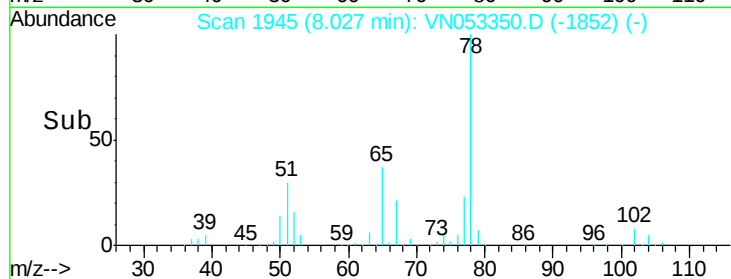
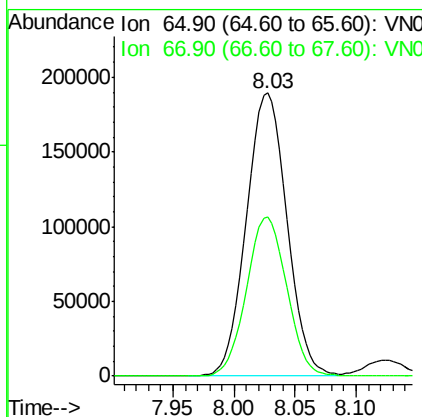
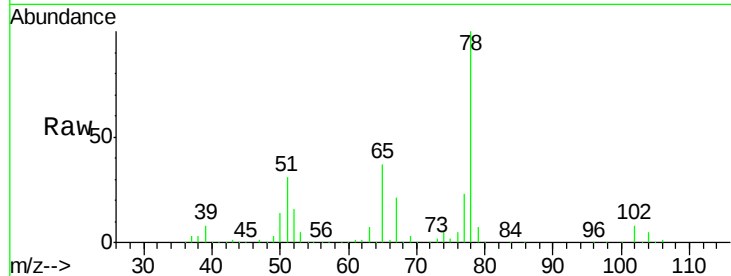
#33
 1,2-Dichloroethane-d4
 Concen: 49.131 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 437102
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0

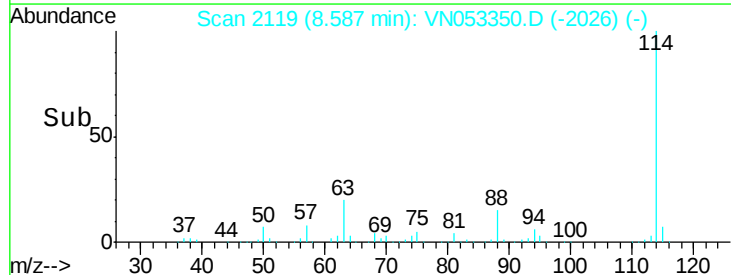
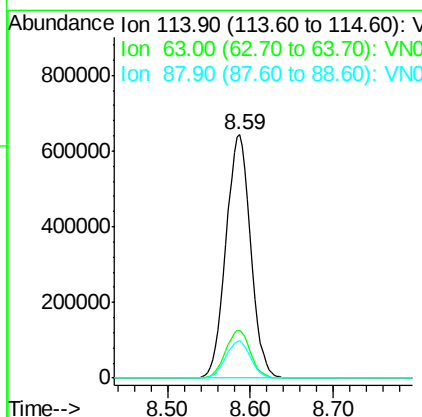
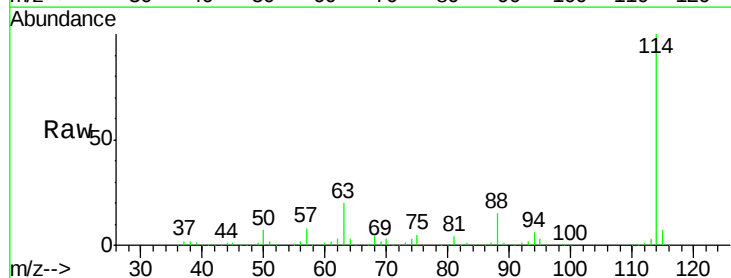
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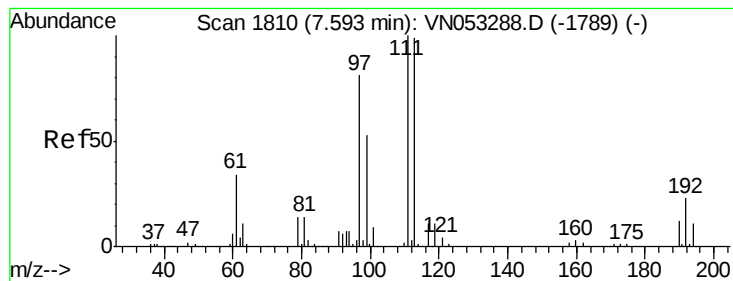
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion: 114 Resp: 1330933
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

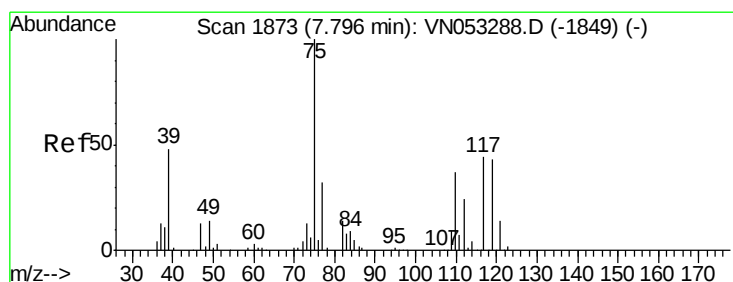
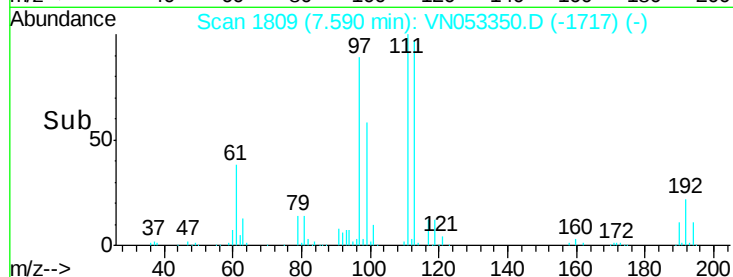
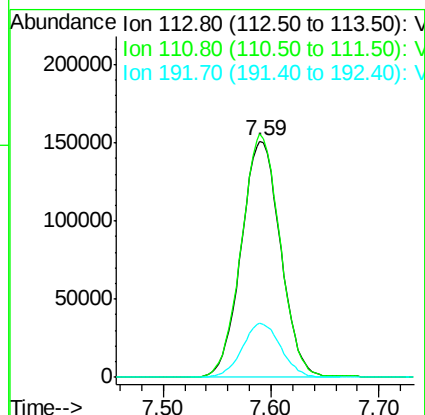
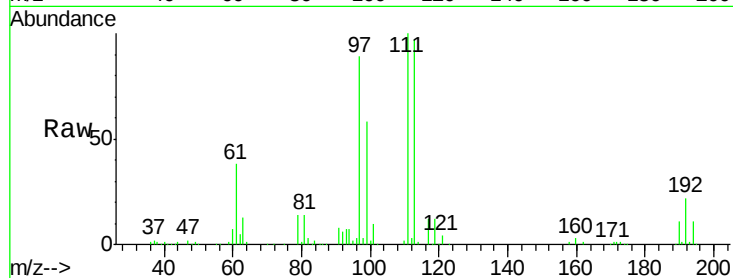
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	383395
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.4	122.2
192	22.6	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.774 ug/l

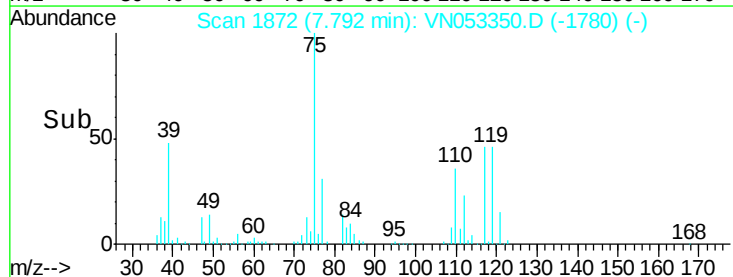
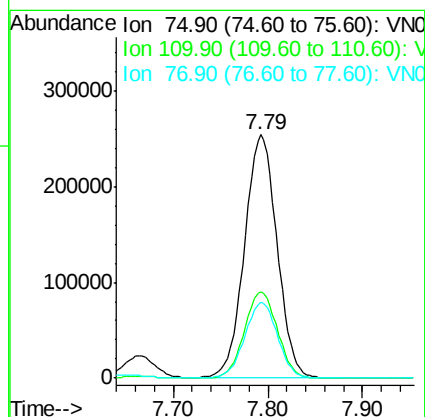
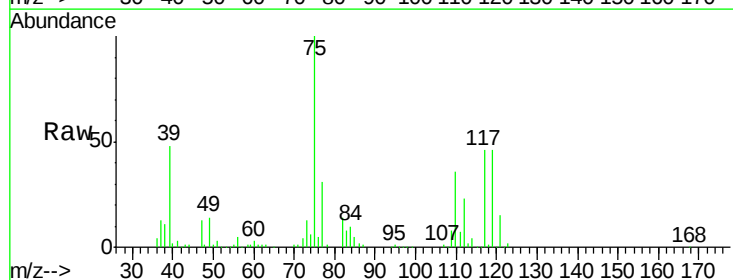
RT: 7.79 min Scan# 1872

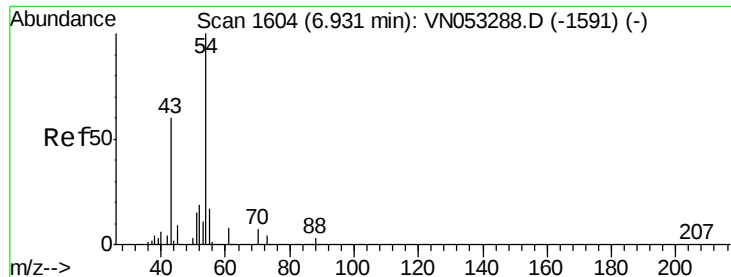
Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	75	Resp:	606024
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.4	55.0
77	31.6	25.3	37.9





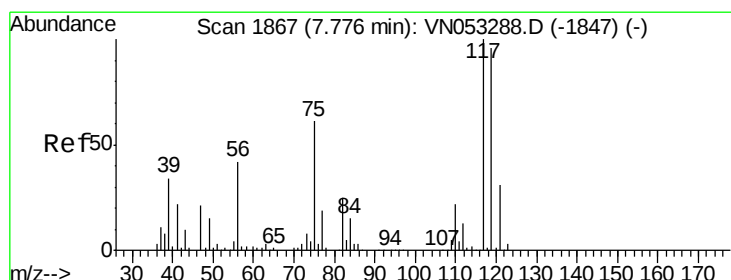
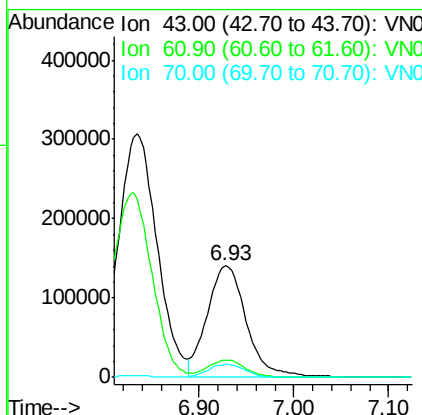
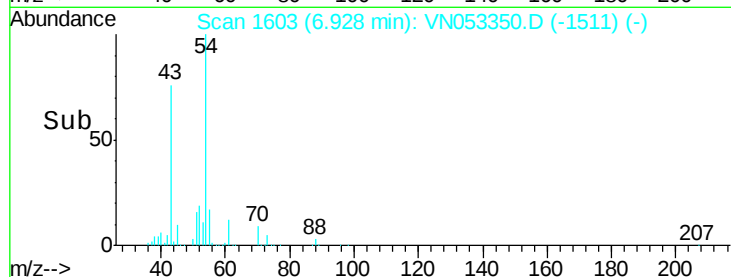
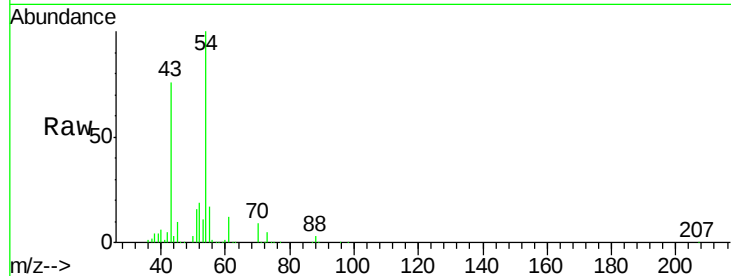
#37
Ethyl Acetate
Concen: 49.295 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.3	11.9	17.9	
70	11.2	8.6	13.0	

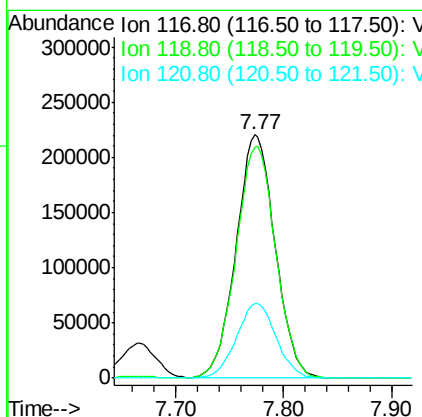
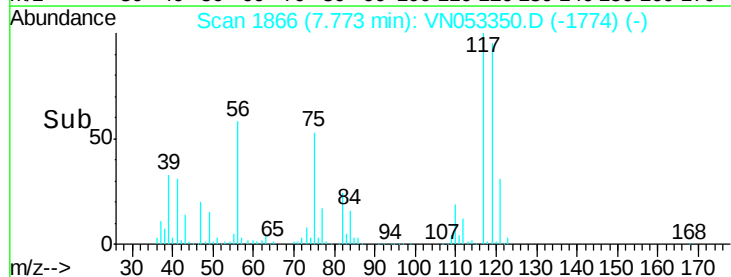
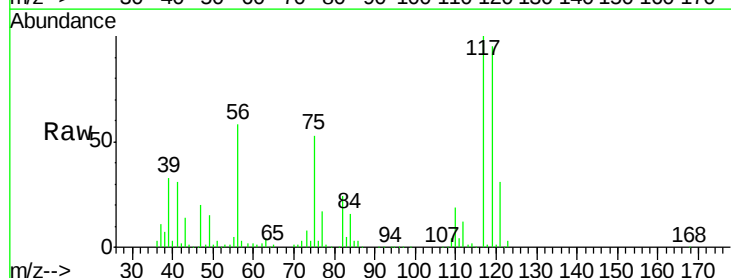
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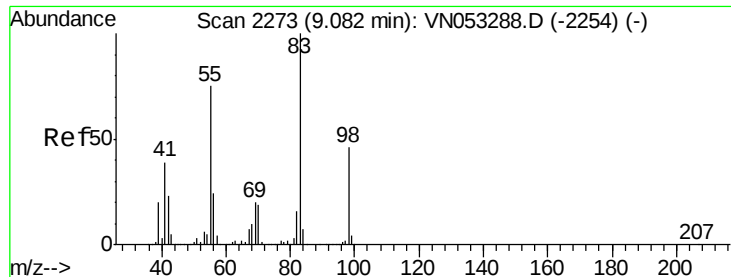
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#38
Carbon Tetrachloride
Concen: 48.043 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	76.6	115.0	
121	30.8	25.0	37.4	





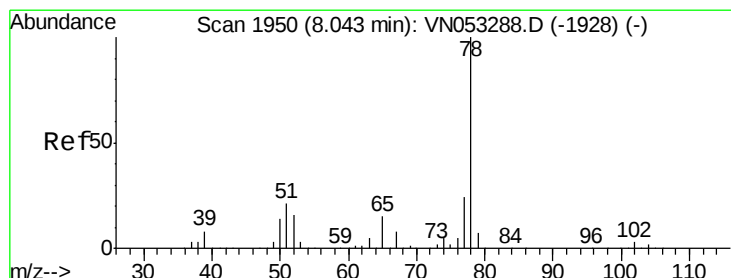
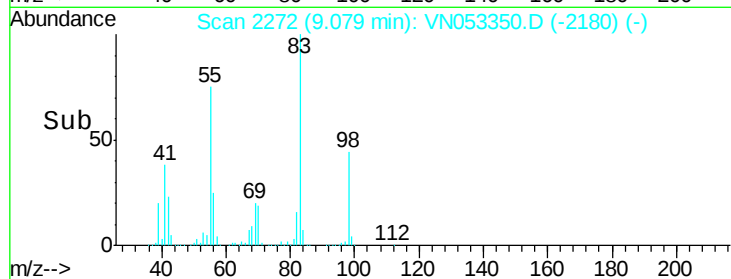
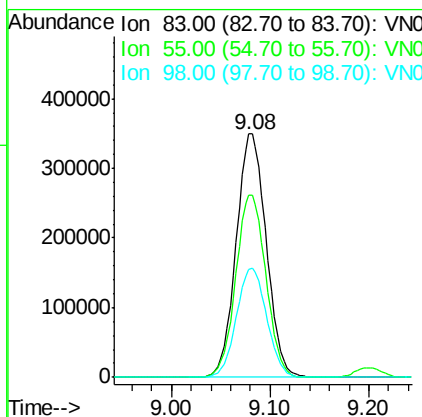
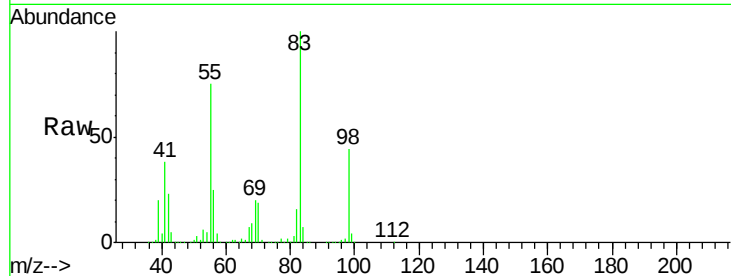
#39
Methvlcvclohexane
Concen: 51.334 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	60.1	90.1	
98	44.1	36.7	55.1	

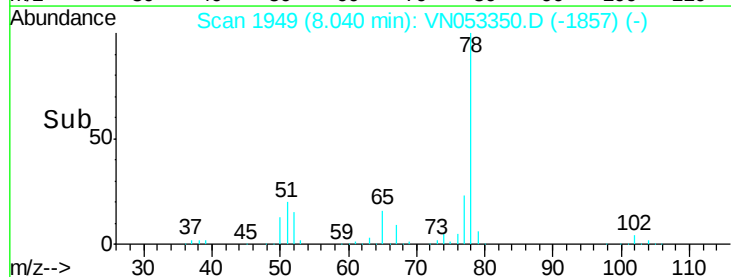
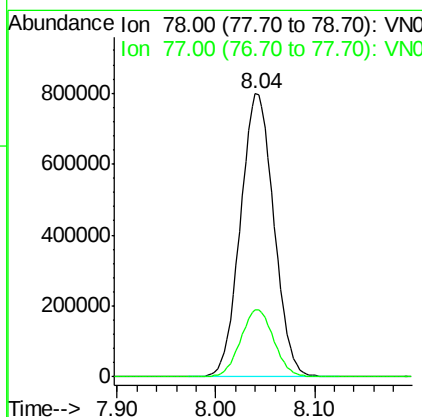
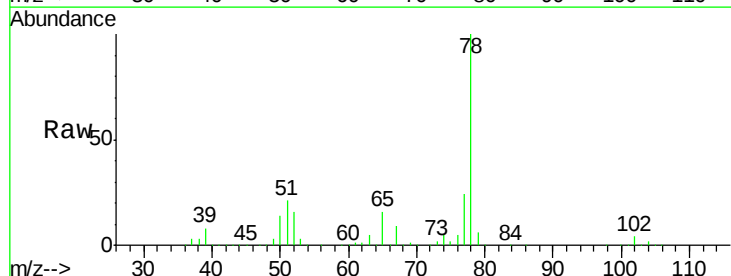
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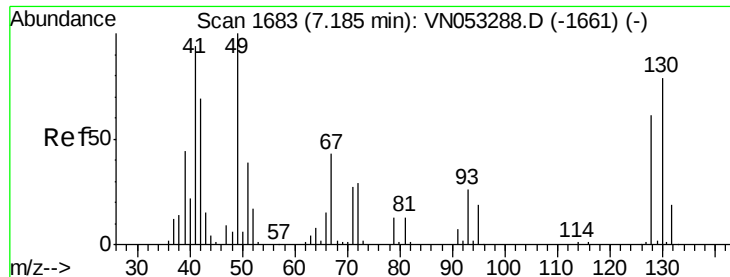
MMDadoda
1/11/2019 10:12:05 AM



#40
Benzene
Concen: 49.232 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





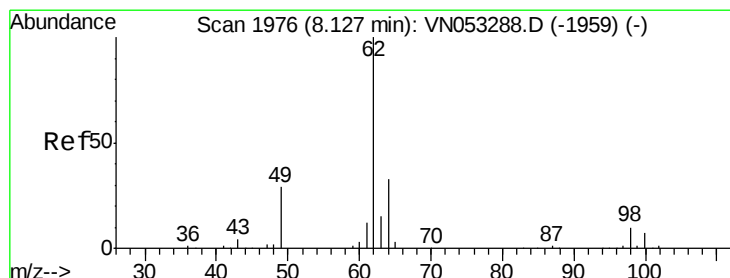
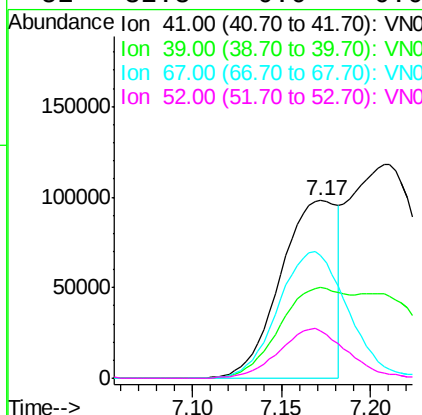
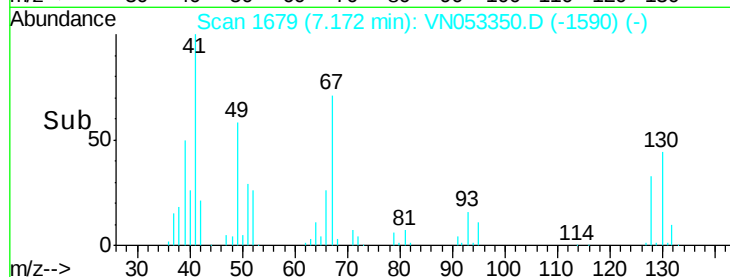
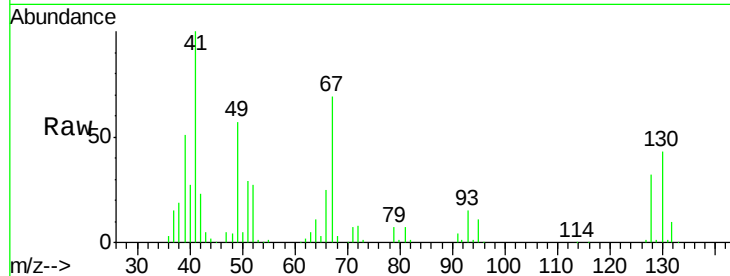
#41
Methacrylonitrile
Concen: 43.274 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.5	0.0	0.0#
67	87.4	0.0	0.0#
52	32.8	0.0	0.0#

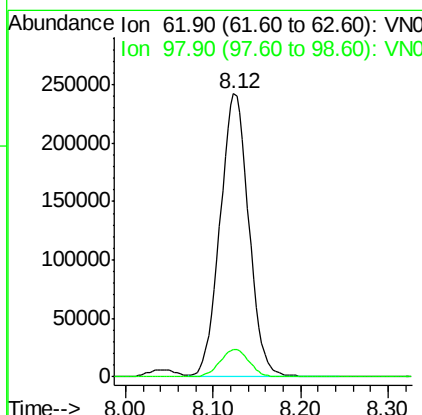
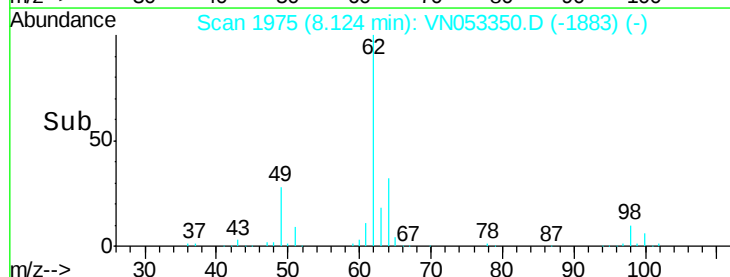
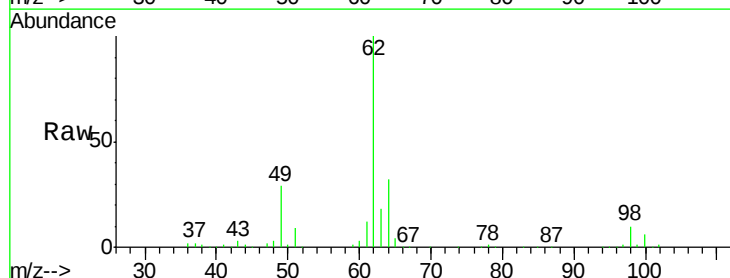
Manual Integrations
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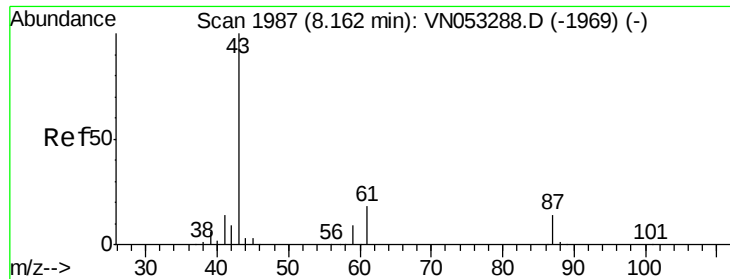
MMDadoda
1/11/2019 10:12:05 AM



#42
1,2-Dichloroethane
Concen: 48.908 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 45.874 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

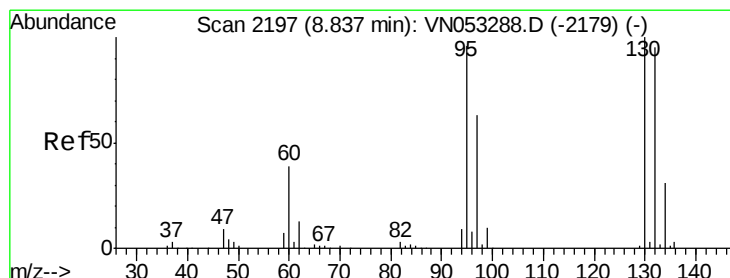
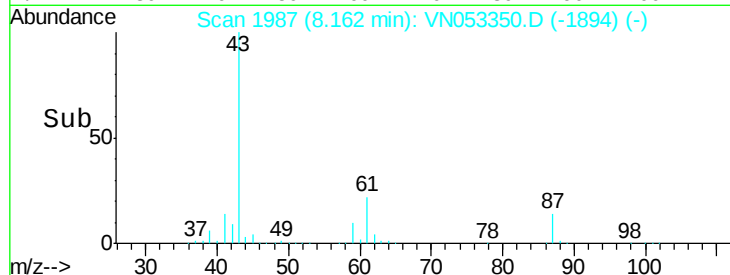
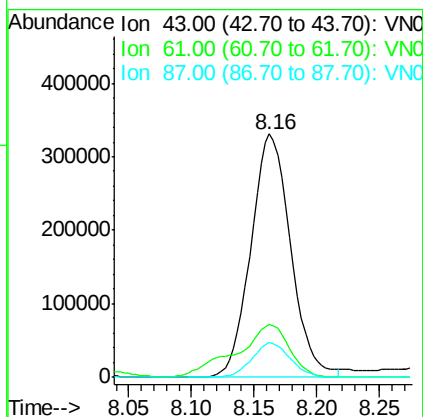
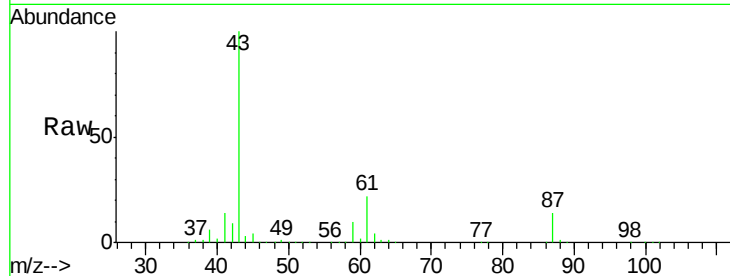
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	730369
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.3	34.9
87	13.7	10.8	16.2

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#44

Trichloroethene

Concen: 48.537 ug/l

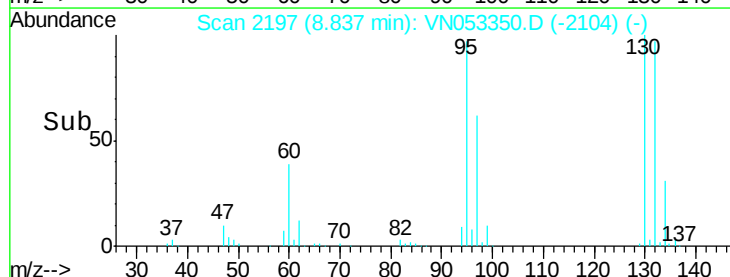
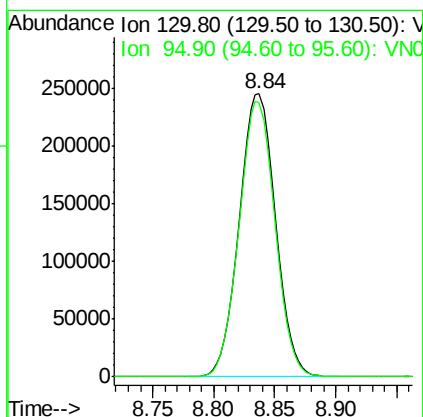
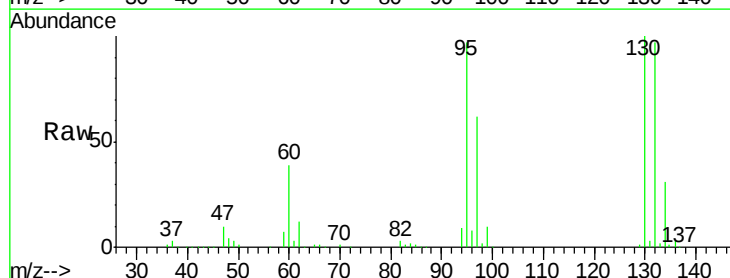
RT: 8.84 min Scan# 2197

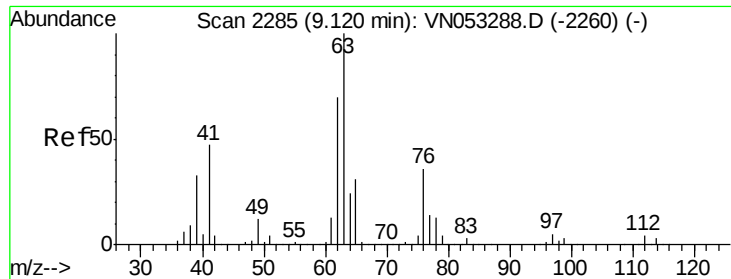
Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	130	Resp:	505834
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.8





#45

1,2-Dichloropropane

Concen: 50.158 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 499302

Ion Ratio Lower Upper

63 100

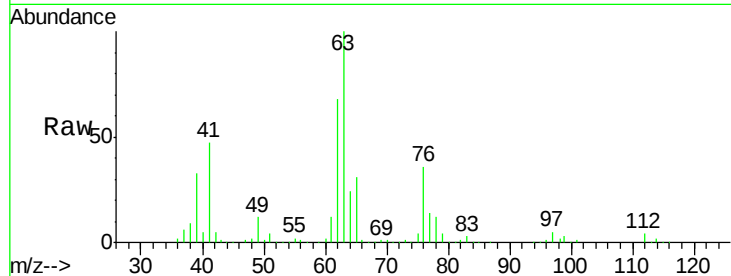
65 30.7 25.0 37.6

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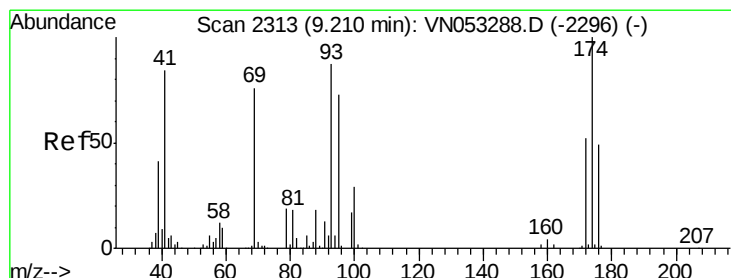
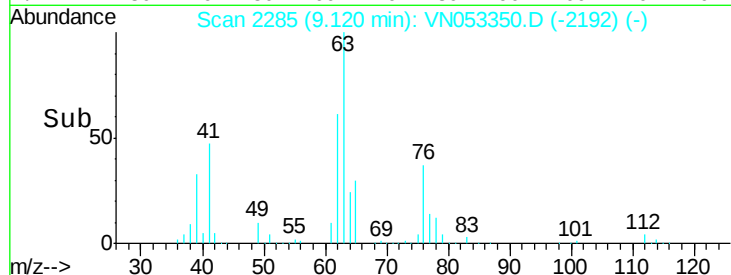
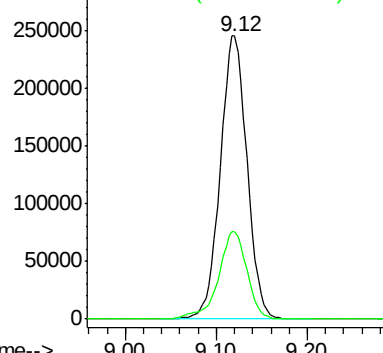
MMDadoda

1/11/2019 10:12:05 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 49.476 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

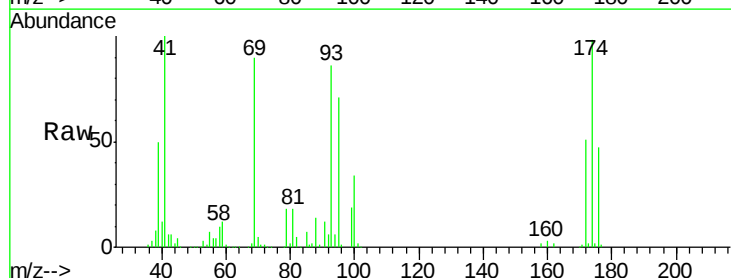
Tgt Ion: 93 Resp: 287163

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

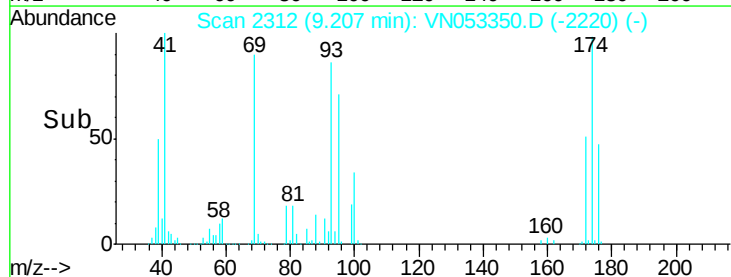
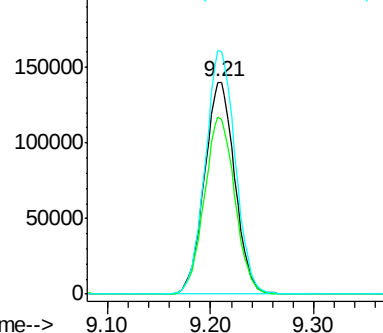
174 114.1 91.4 137.0

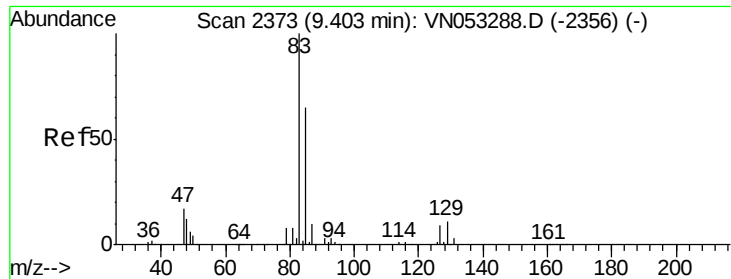


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





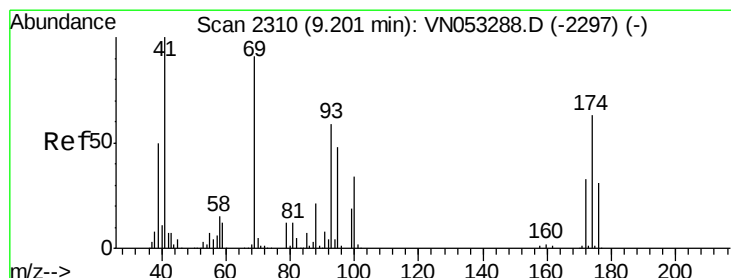
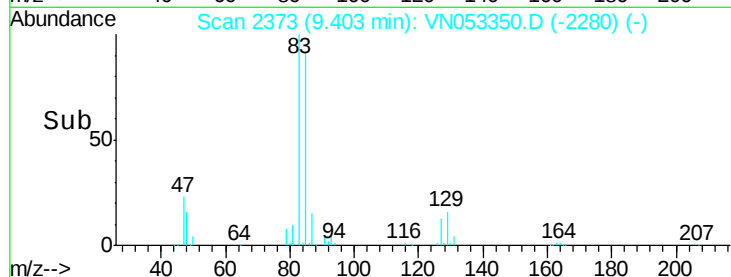
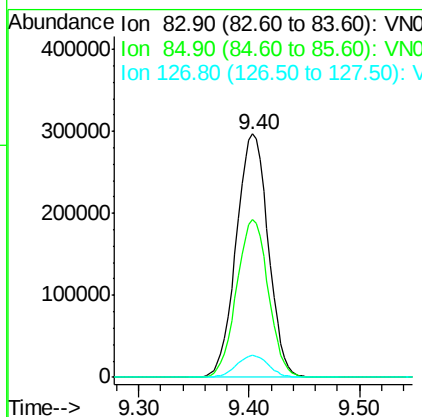
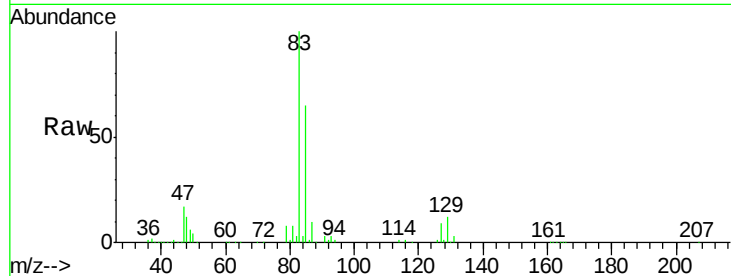
#47
Bromodichloromethane
Concen: 49.328 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.9	51.7	77.5	
127	8.9	7.0	10.6	

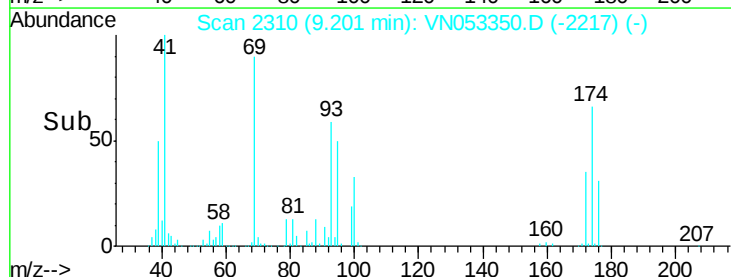
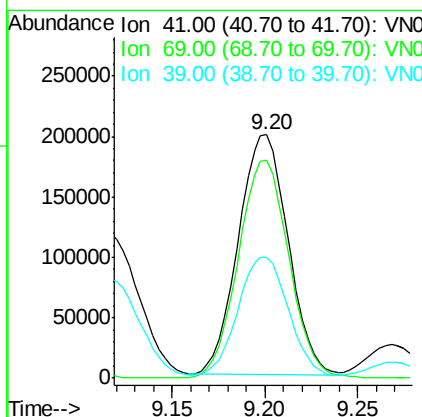
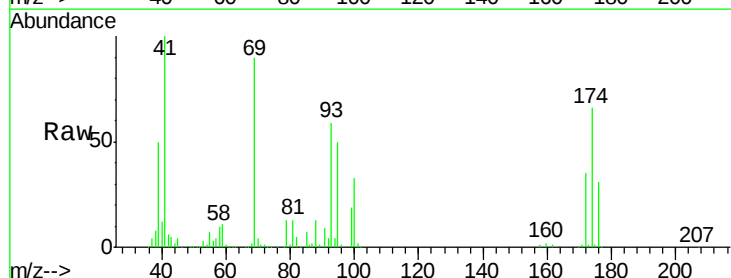
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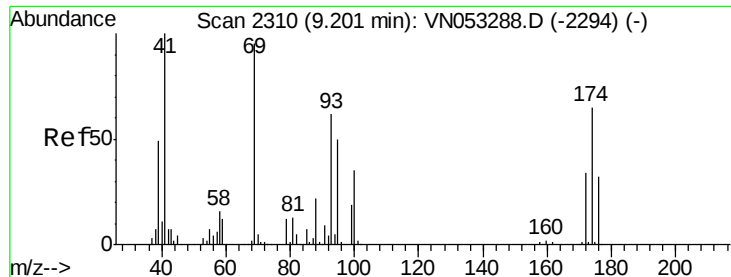
MMDadoda
1/11/2019 10:12:05 AM



#48
Methyl methacrylate
Concen: 51.275 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.6	73.5	110.3	
39	52.2	41.6	62.4	





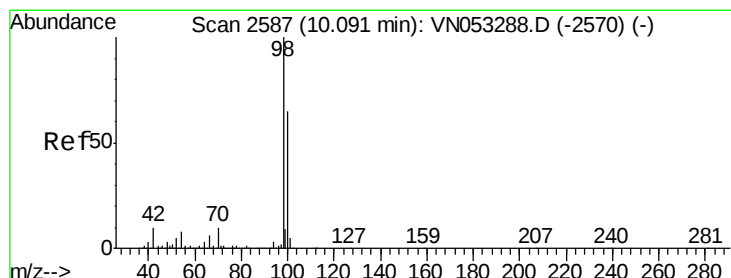
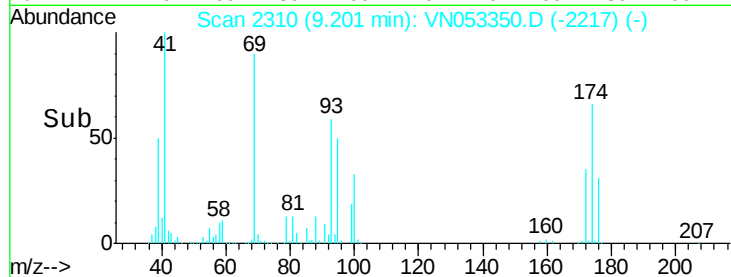
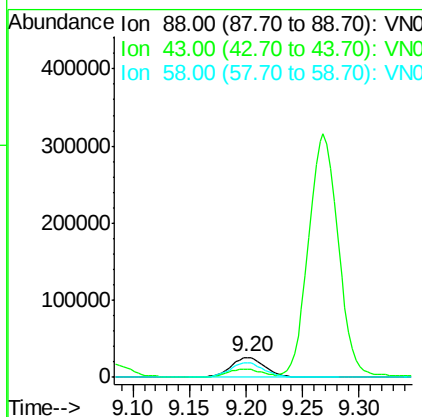
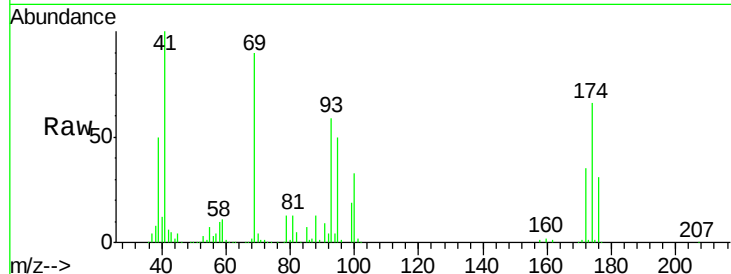
#49
1,4-Dioxane
Concen: 711.693 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	54847
Ion	Ratio	Lower	Upper
88	100		
43	36.9	26.2	39.4
58	73.1	55.5	83.3

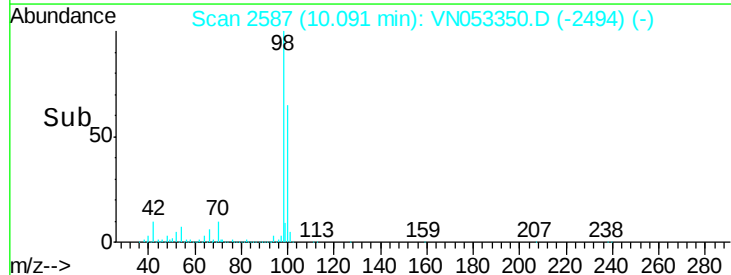
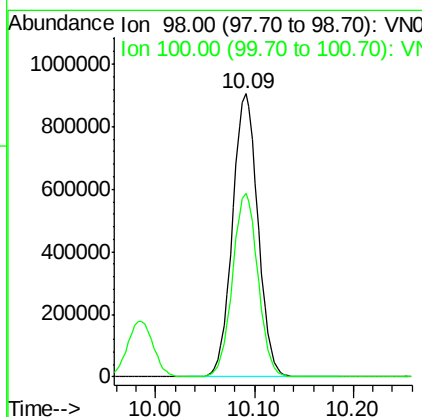
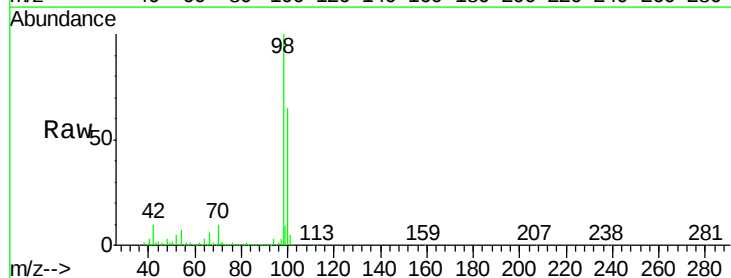
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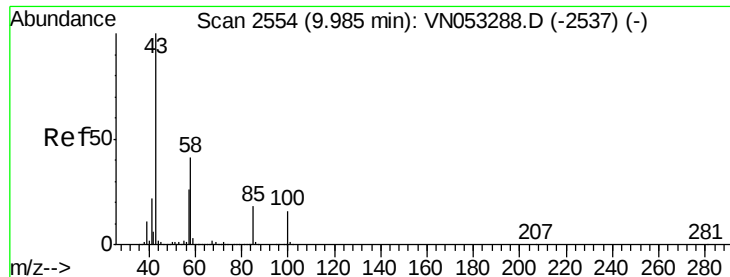
MMDadoda
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#50
Toluene-d8
Concen: 711.693 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	98	Resp	1624184
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 259.658 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2078975

Ion Ratio Lower Upper

43 100

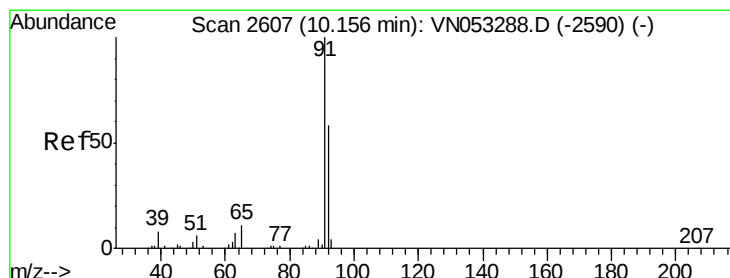
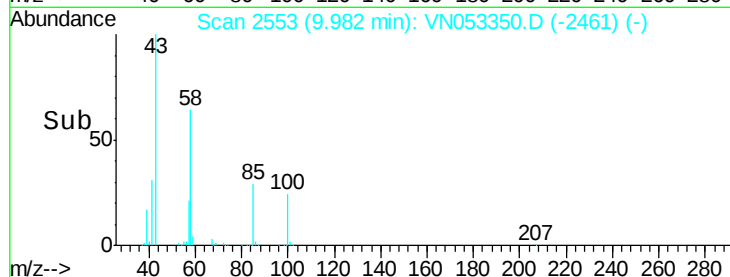
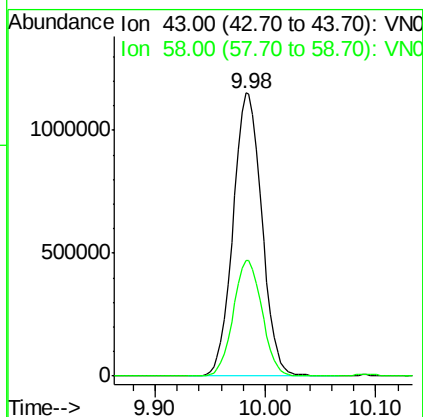
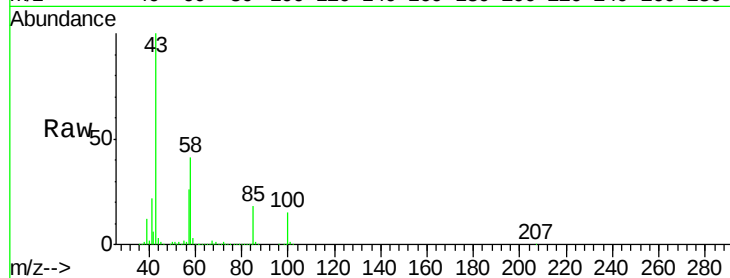
58 41.0 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 50.921 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053350.D

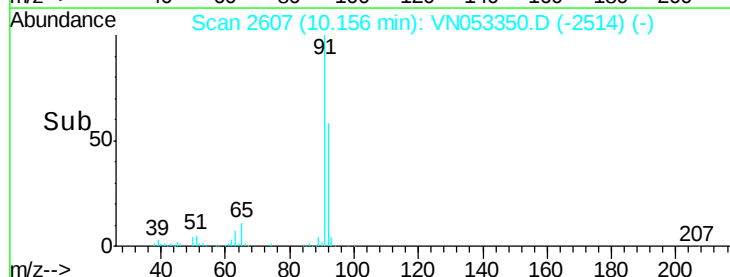
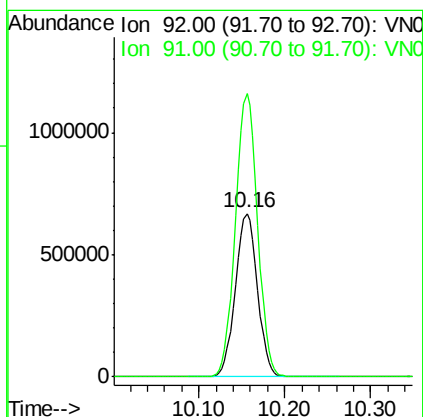
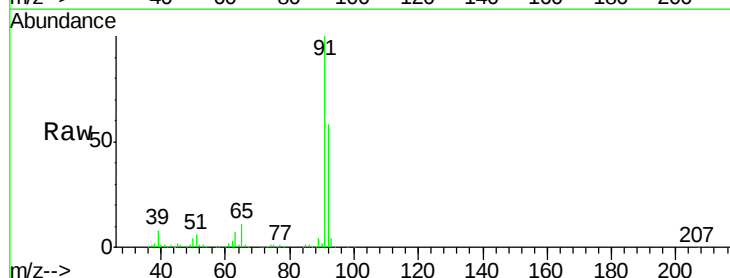
Acq: 10 Jan 2019 19:29

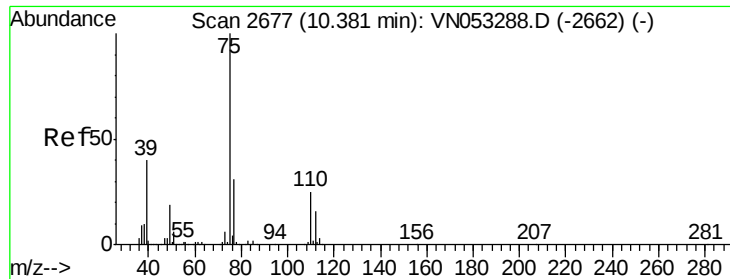
Tgt Ion: 92 Resp: 1185685

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0





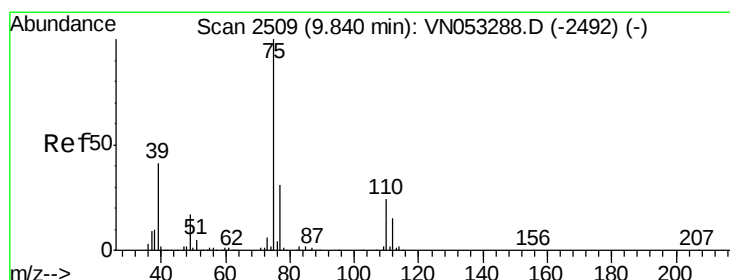
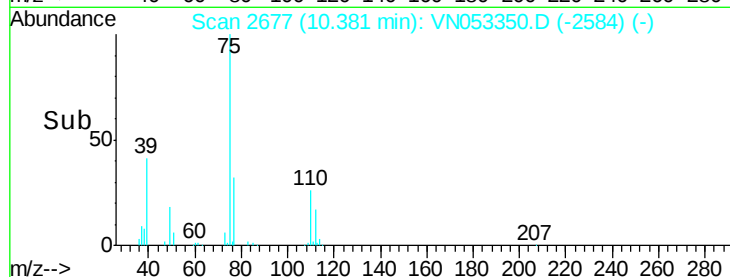
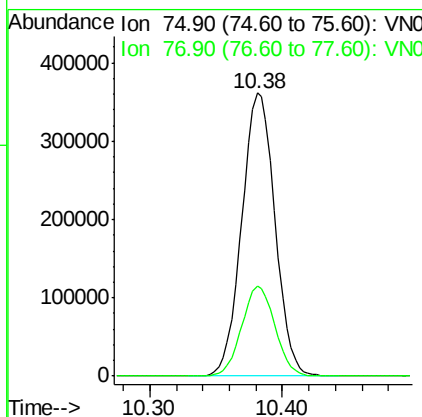
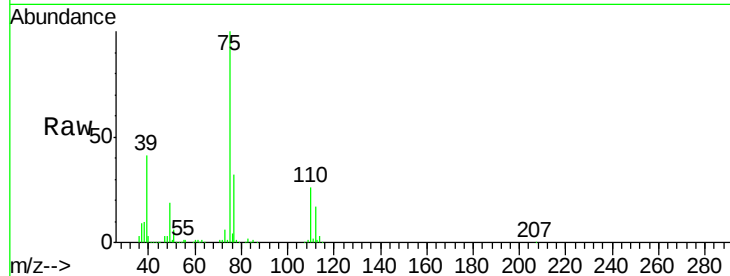
#53
t-1,3-Dichloropropene
Concen: 50.736 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 627782
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

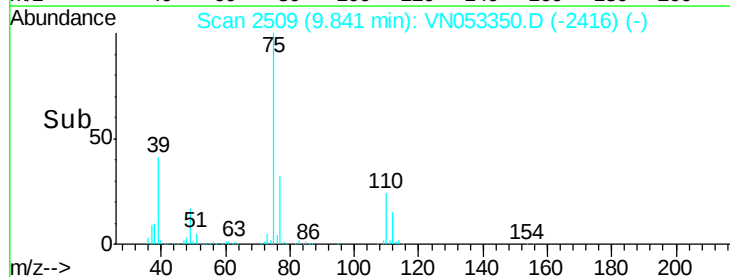
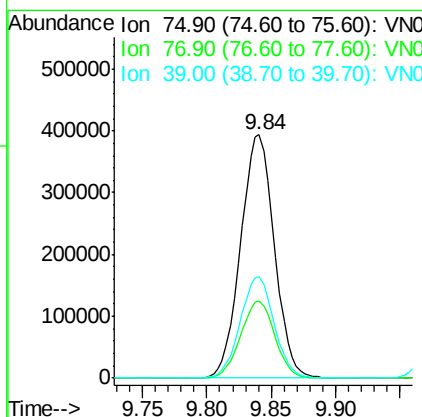
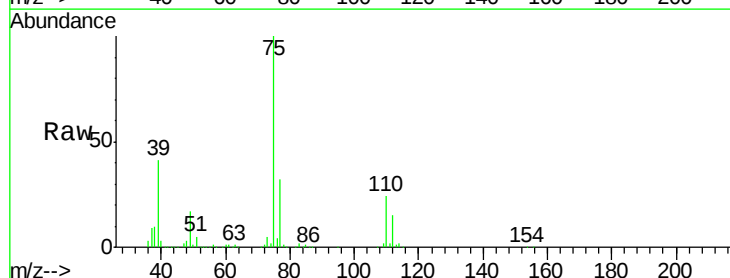
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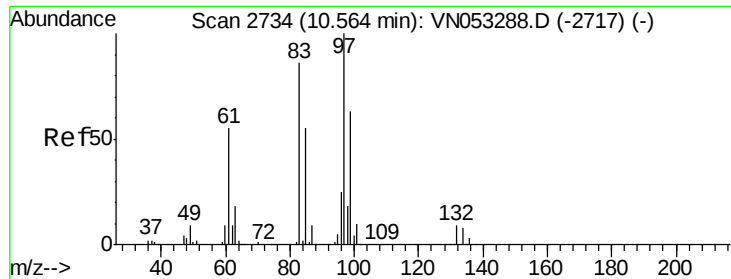
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.246 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 75 Resp: 718429
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 41.4 33.1 49.7





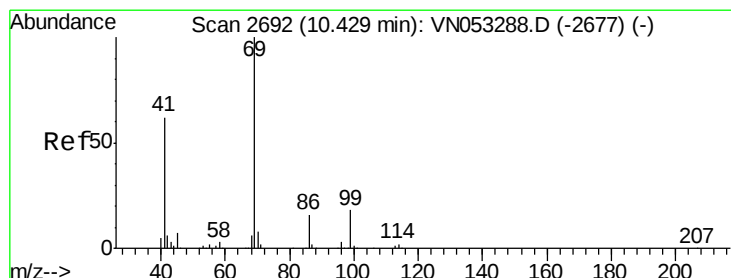
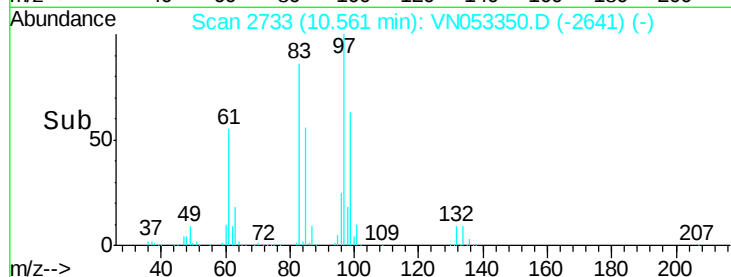
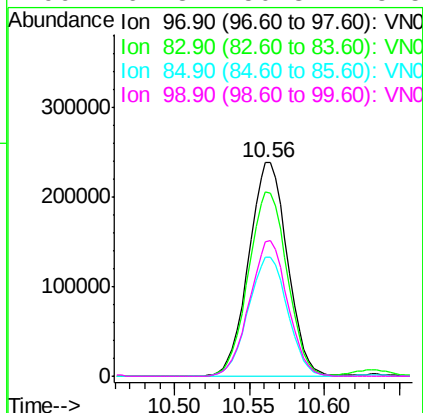
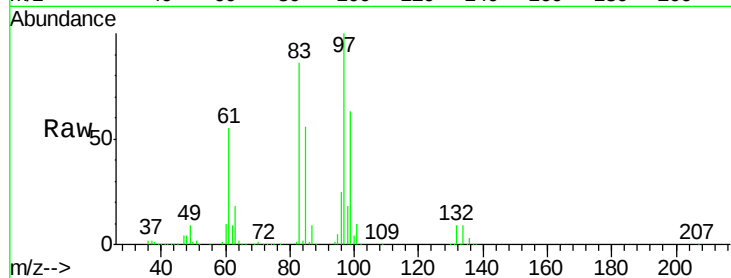
#55
 1,1,2-Trichloroethane
 Concen: 50.196 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	429761
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.1	103.7
85	55.6	44.2	66.4
99	62.8	50.3	75.5

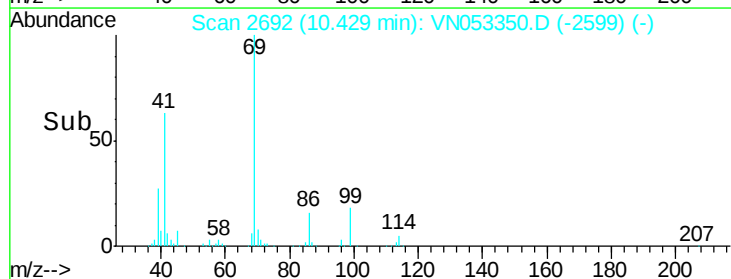
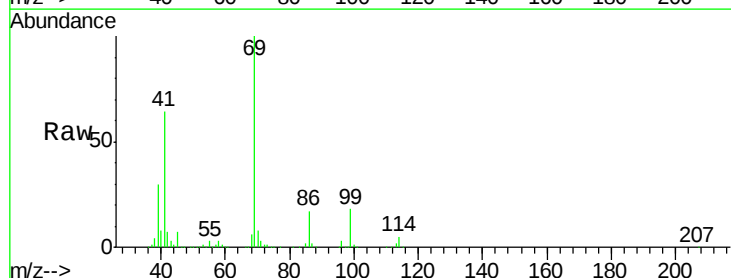
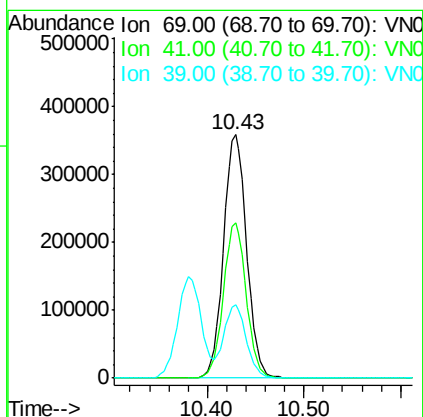
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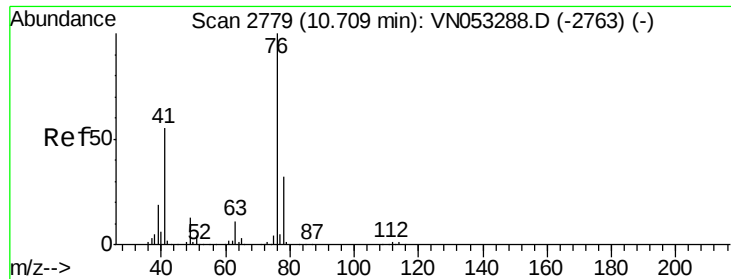
MMDadoda
 1/11/2019 10:12:05 AM



#56
 Ethyl methacrylate
 Concen: 53.377 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion:	69	Resp:	593878
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.2	73.8
39	29.2	23.4	35.0





#57

1,3-Dichloropropane

Concen: 51.229 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 733473

Ion Ratio Lower Upper

76 100

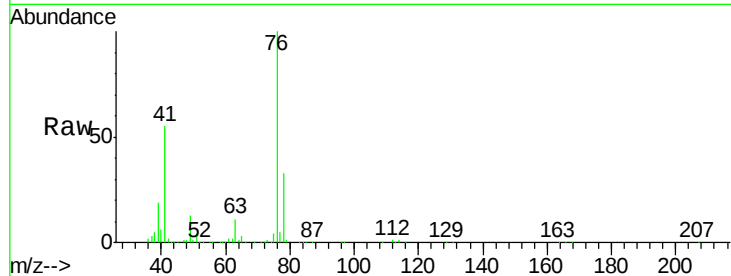
78 32.3 25.8 38.8

Manual Integrations

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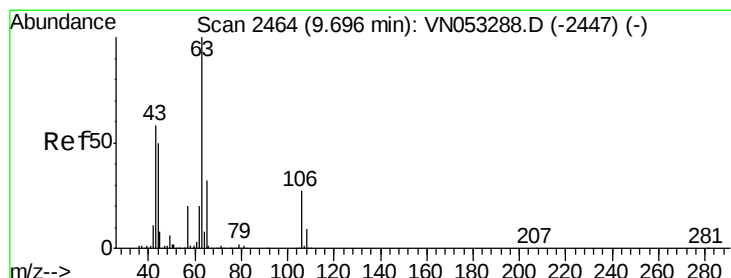
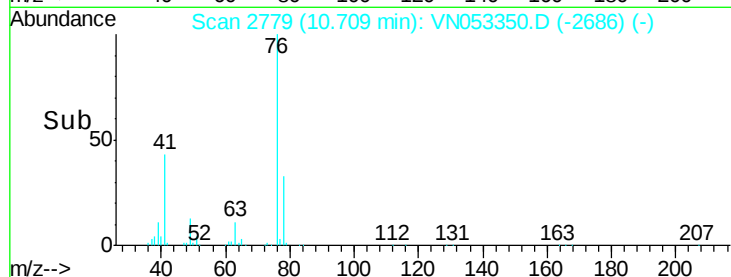
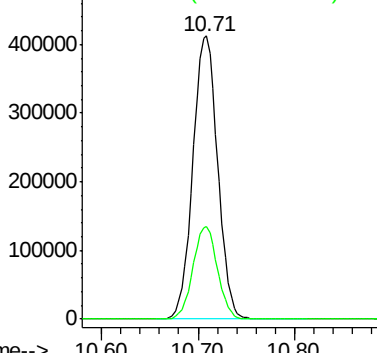
MMDadoda

1/11/2019 10:12:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 256.892 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053350.D

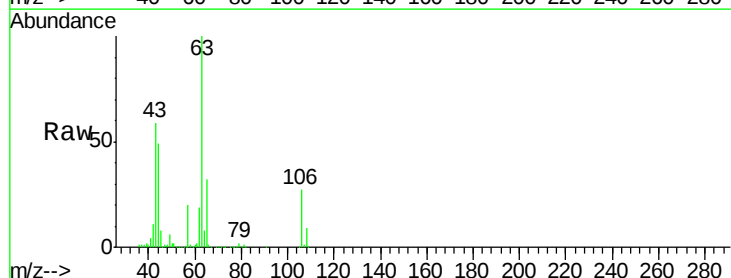
Acq: 10 Jan 2019 19:29

Tgt Ion: 63 Resp: 1545202

Ion Ratio Lower Upper

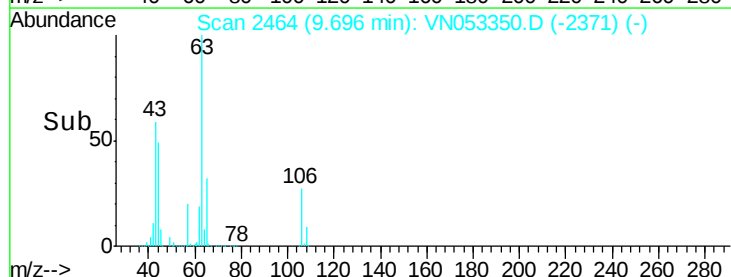
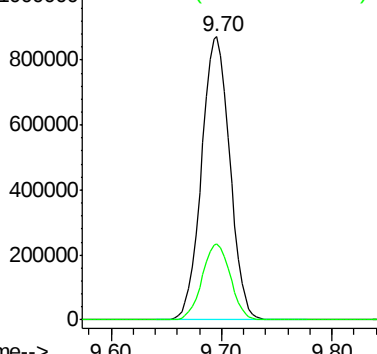
63 100

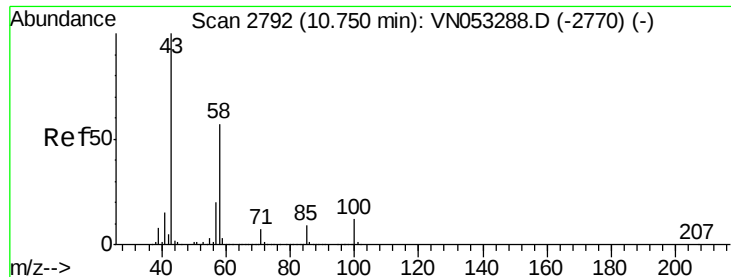
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





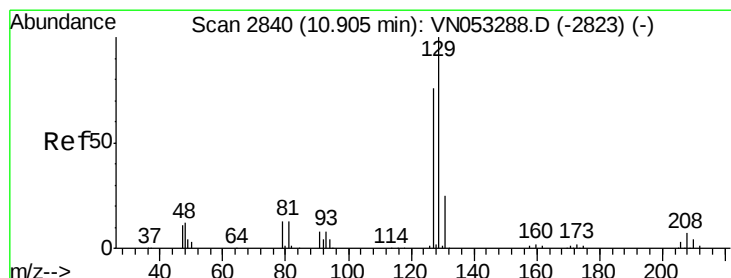
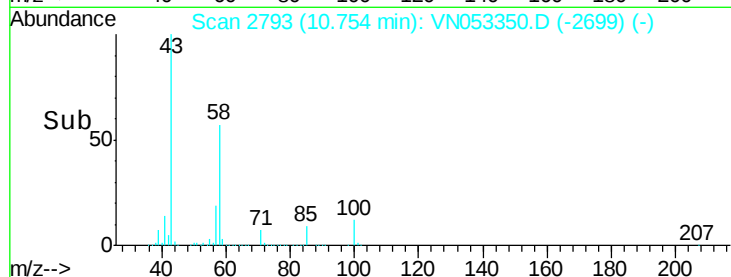
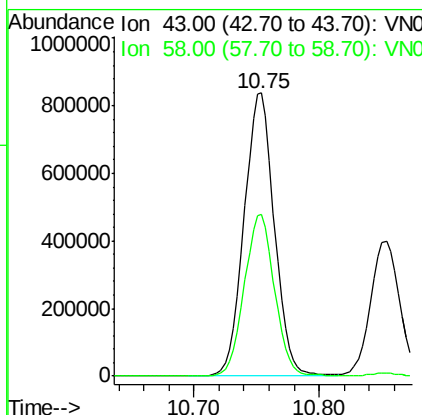
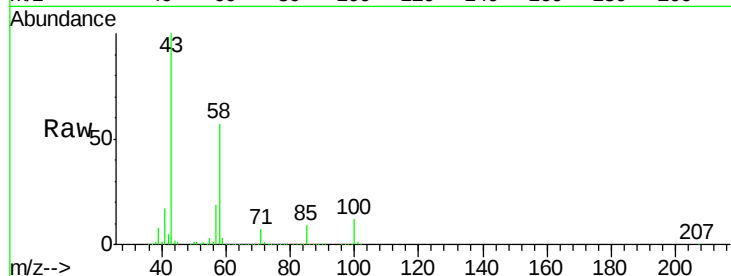
#59
2-Hexanone
Concen: 256.511 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1407168
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

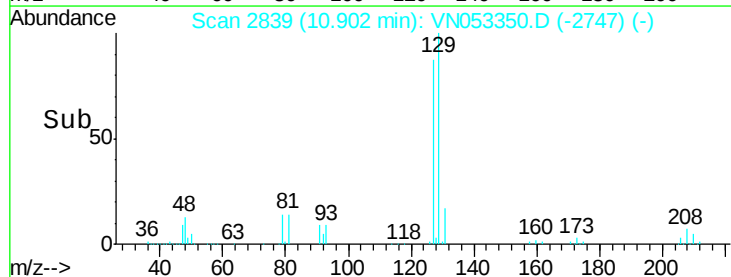
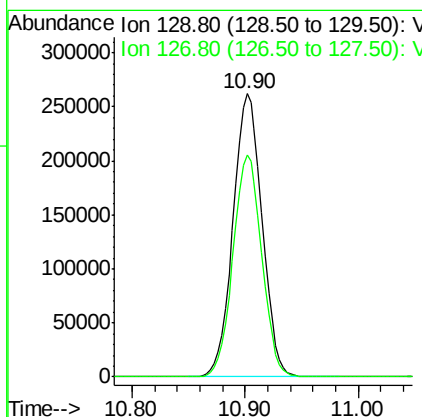
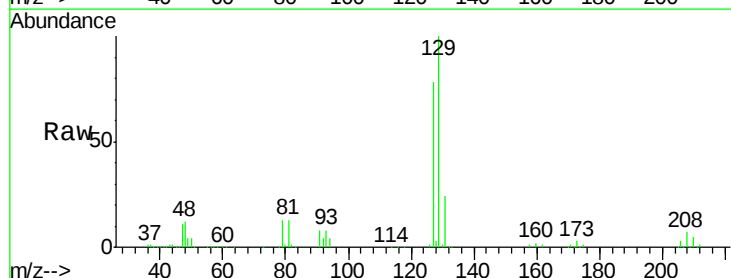
Manual Integrations
APPROVED

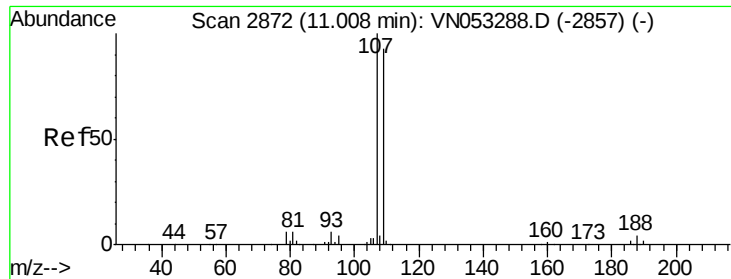
MMDadoda
1/11/2019 10:12:05 AM



#60
Dibromochloromethane
Concen: 50.630 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 129 Resp: 467545
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2





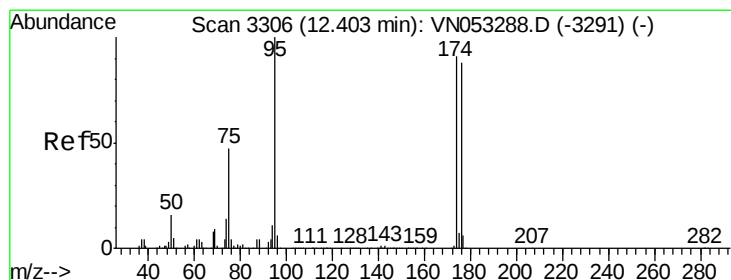
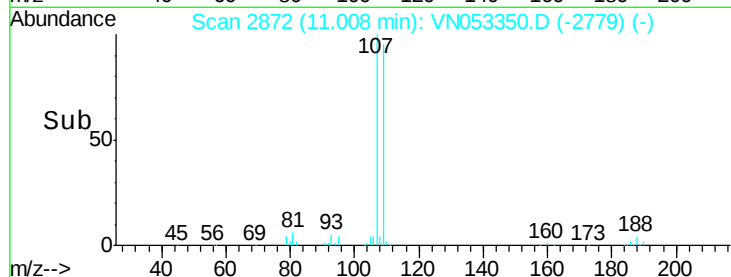
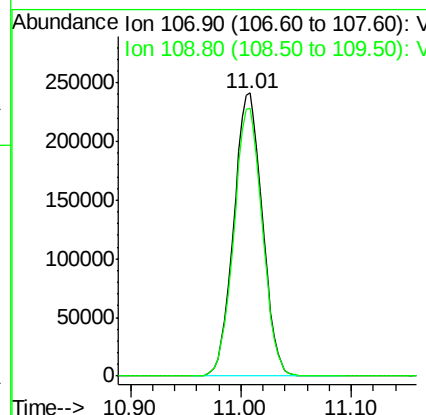
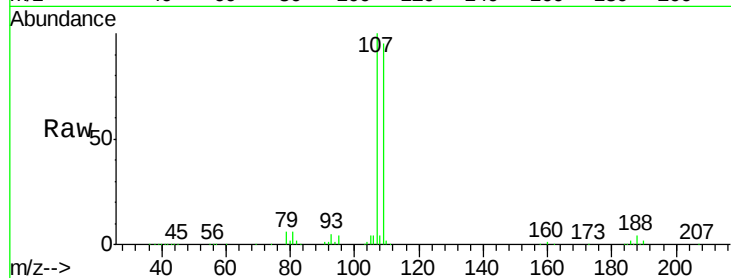
#61
 1,2-Dibromoethane
 Concen: 51.273 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.6

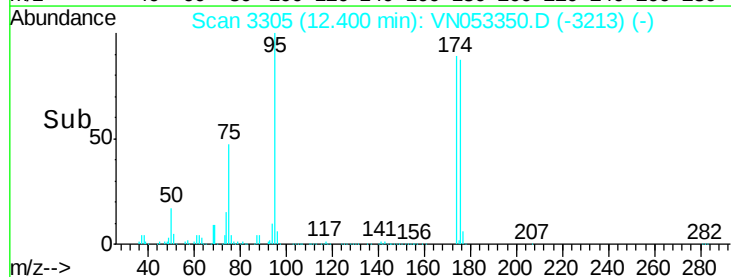
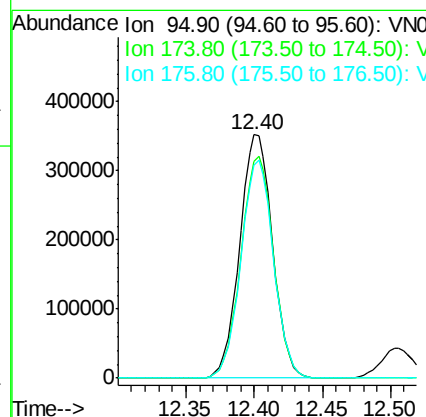
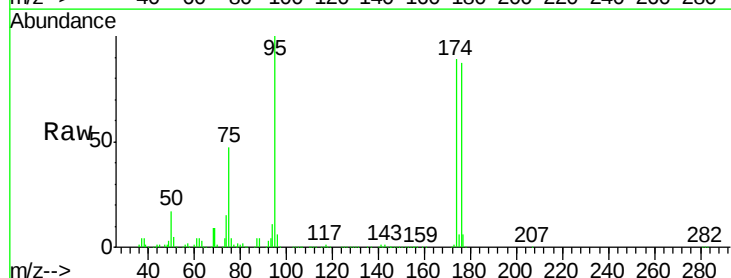
Manual Integrations
 APPROVED

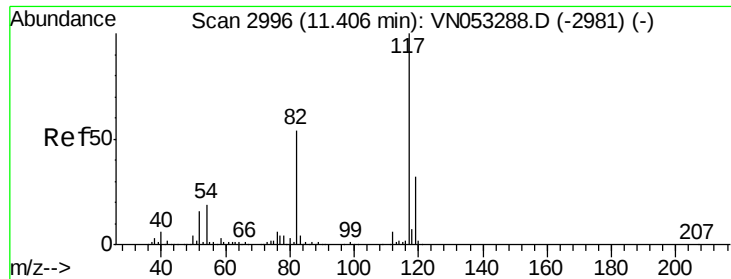
MMDadoda
 1/11/2019 10:12:05 AM



#62
 4-Bromofluorobenzene
 Concen: 51.273 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	180.4
176	88.5	0.0	175.6





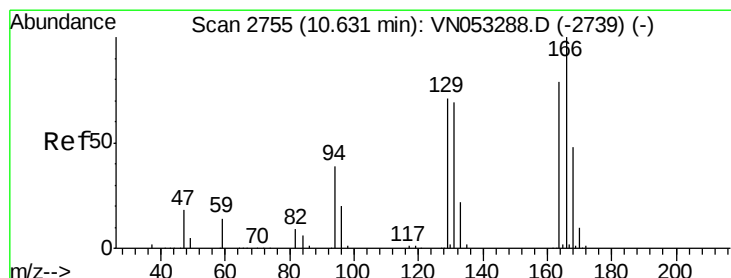
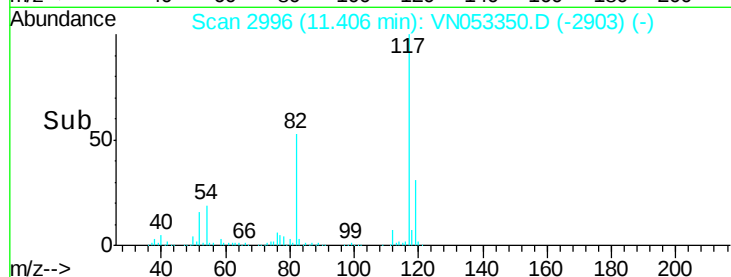
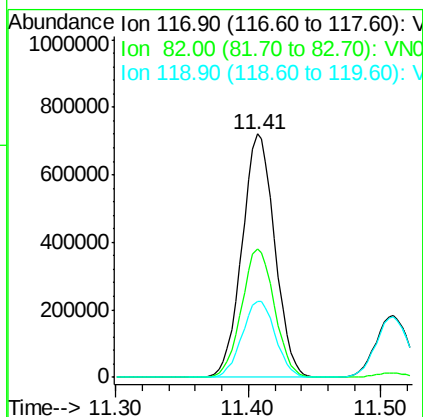
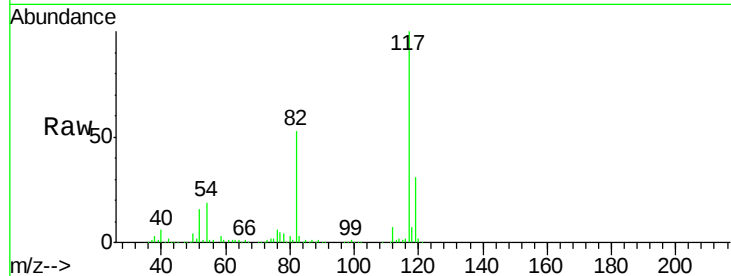
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	31.4	25.6	38.4

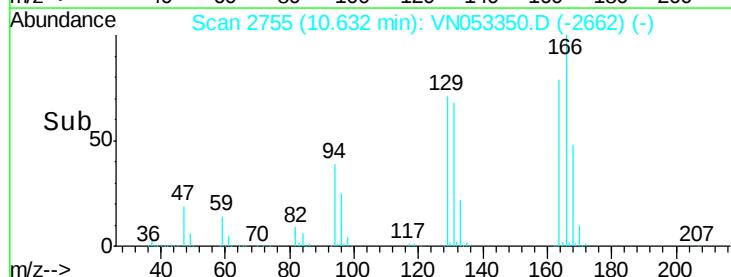
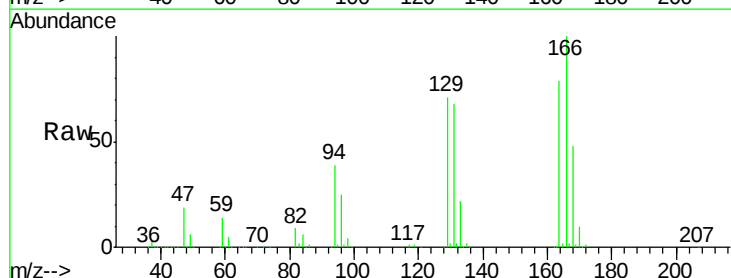
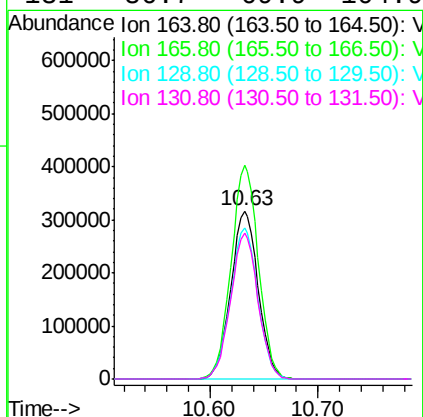
Manual Integrations
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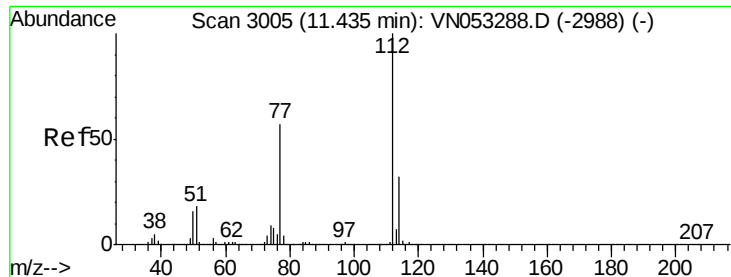
MMDadoda
1/11/2019 10:12:05 AM



#64
Tetrachloroethene
Concen: 48.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.7	152.5
129	90.1	72.1	108.1
131	86.7	69.9	104.9





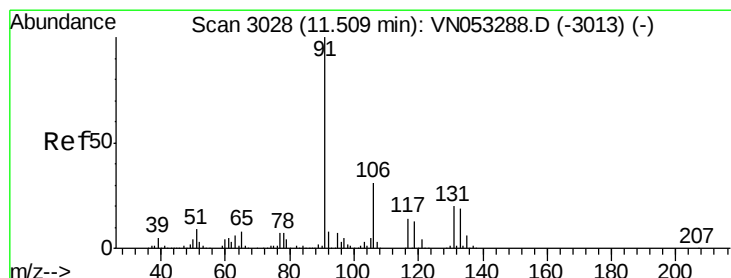
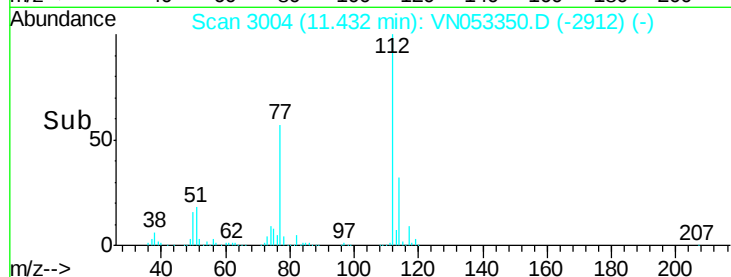
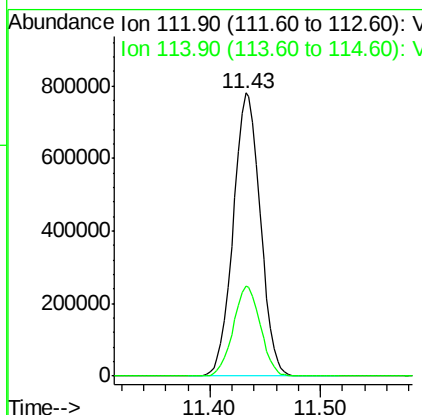
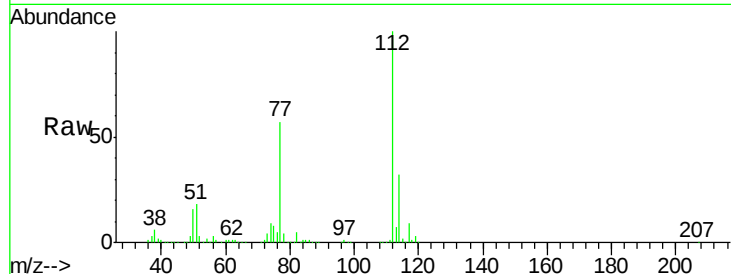
#65
Chlorobenzene
Concen: 49.681 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1329561
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

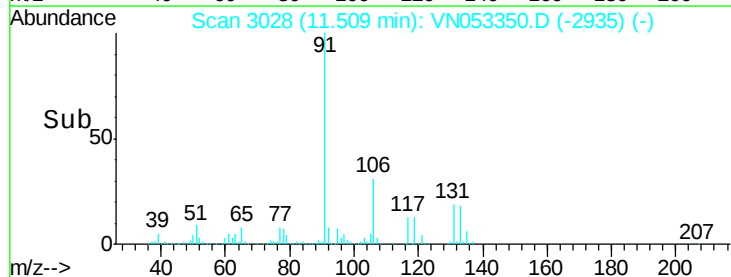
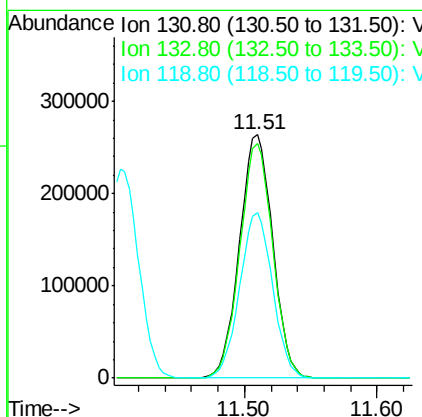
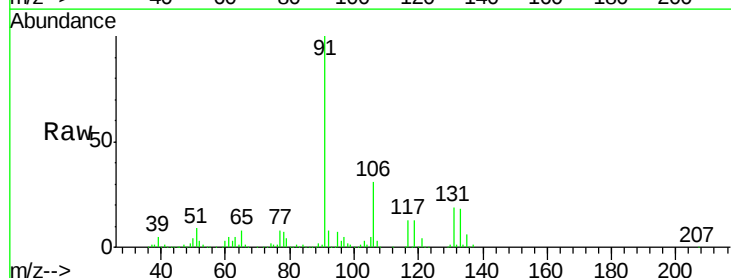
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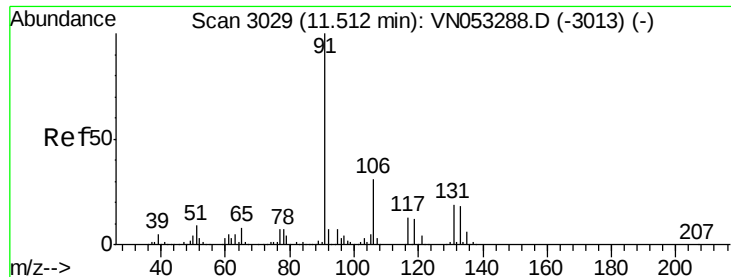
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1/11/2019 10:12:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.957 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion:131 Resp: 458580
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 67.4 33.3 99.9





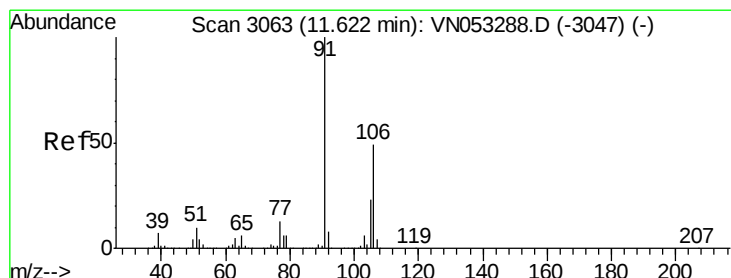
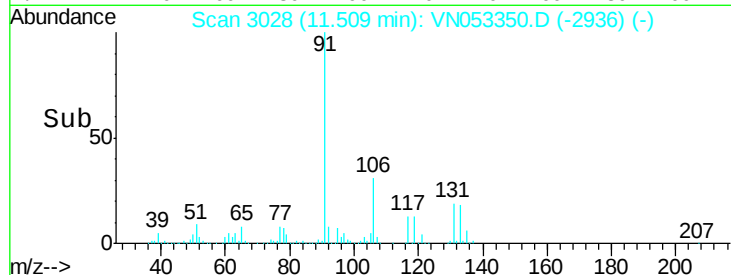
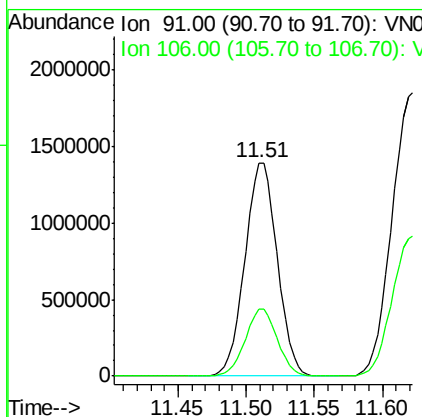
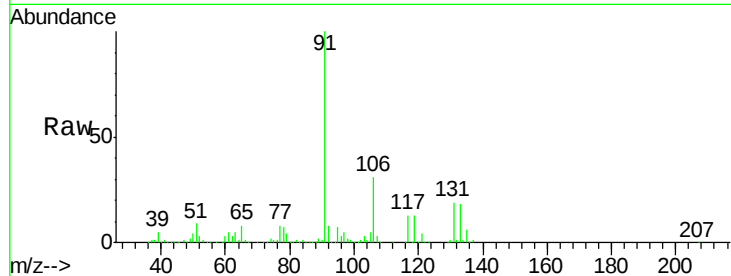
#67
Ethyl Benzene
Concen: 50.423 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2292959
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

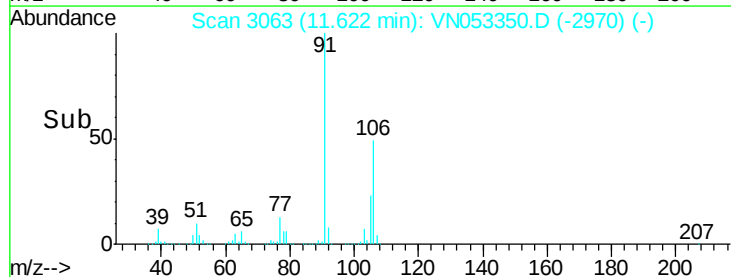
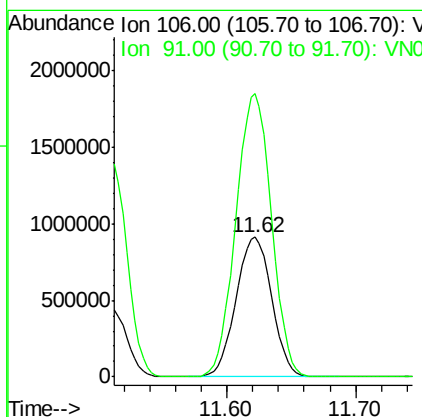
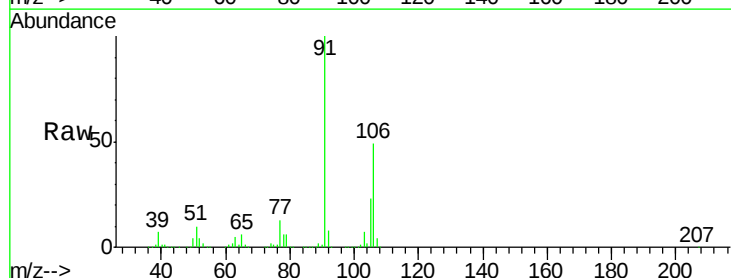
Manual Integrations
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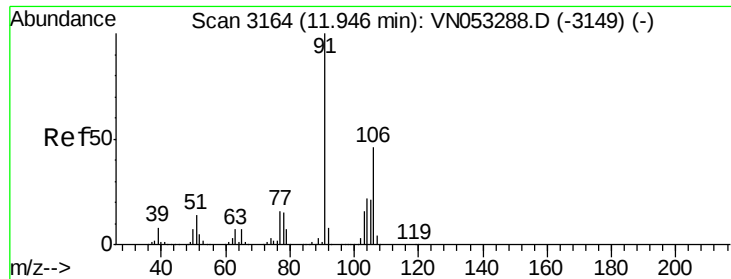
MMDadoda
1/11/2019 10:12:05 AM



#68
m/p-Xylenes
Concen: 102.600 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 106 Resp: 1754422
Ion Ratio Lower Upper
106 100
91 202.3 161.4 242.2





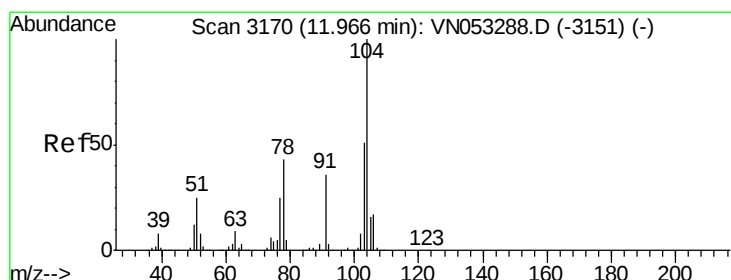
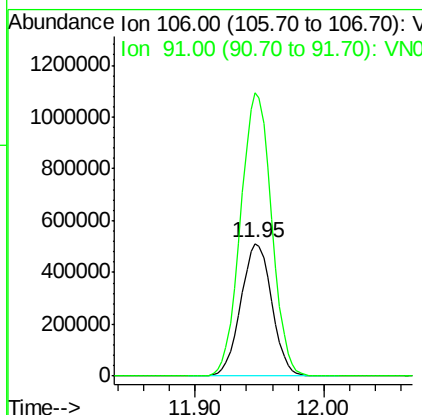
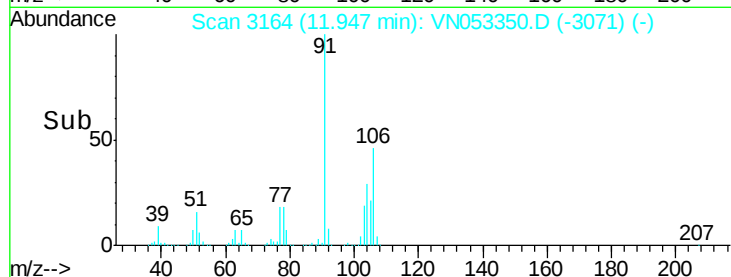
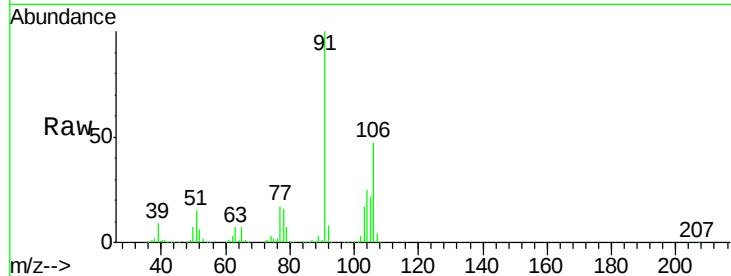
#69
o-Xylene
Concen: 51.083 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 855168
Ion Ratio Lower Upper
106 100
91 213.9 106.8 320.4

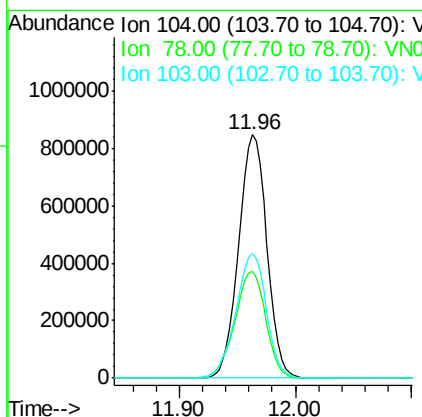
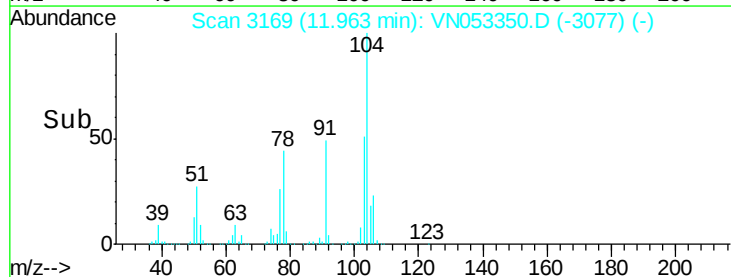
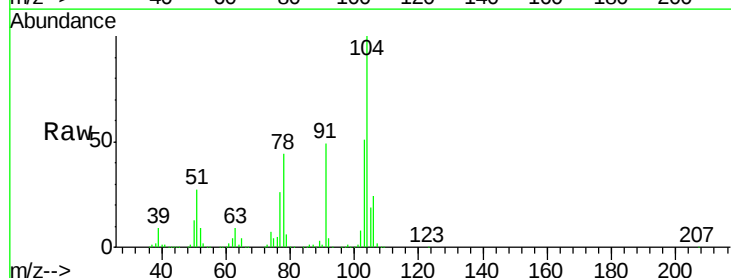
Manual Integrations
APPROVED

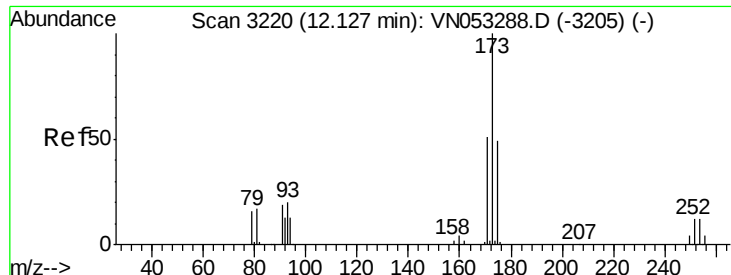
MMDadoda
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#70
Styrene
Concen: 52.570 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion:104 Resp: 1432289
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.2 44.5 66.7





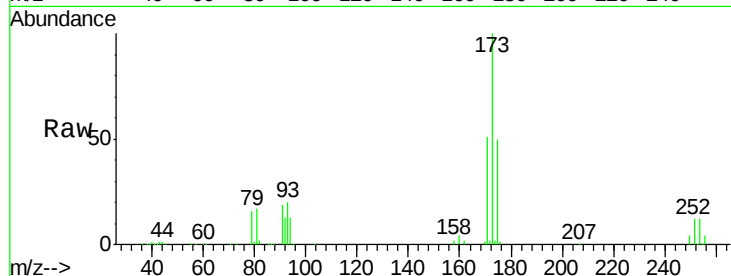
#71
Bromoform
Concen: 50.187 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
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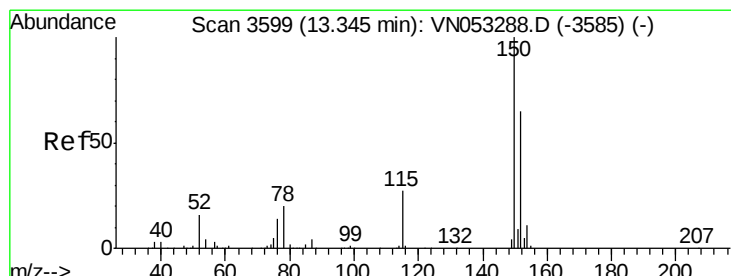
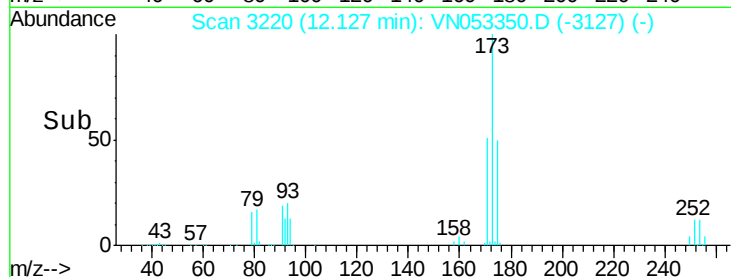
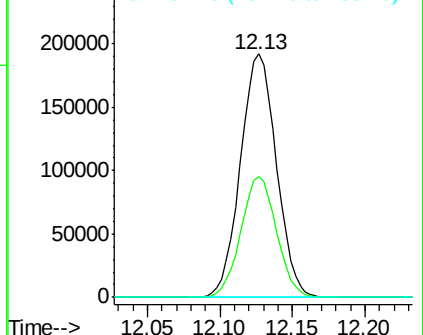


Abundance

Ion 172.70 (172.40 to 173.40): V

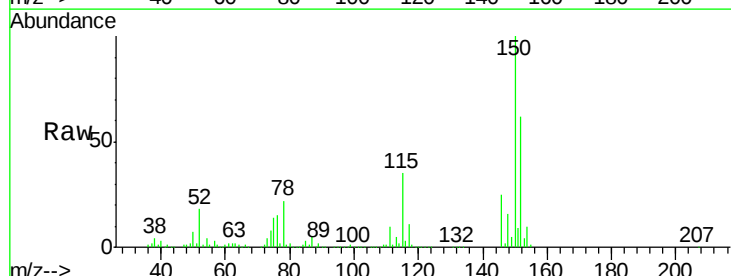
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	174.3	0.0	346.6

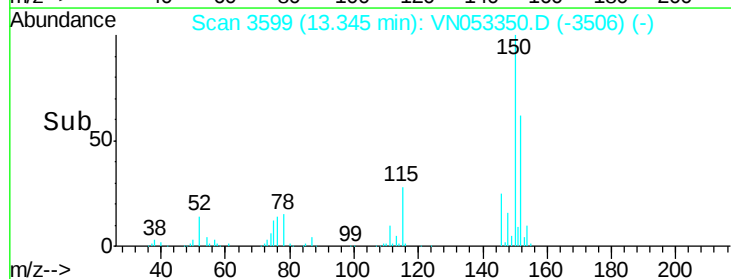
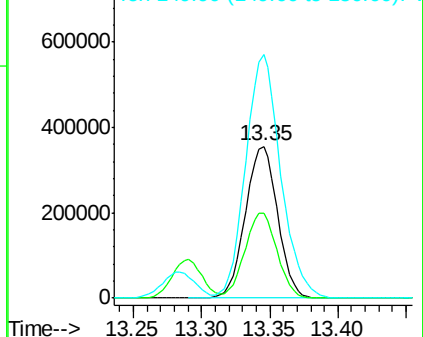


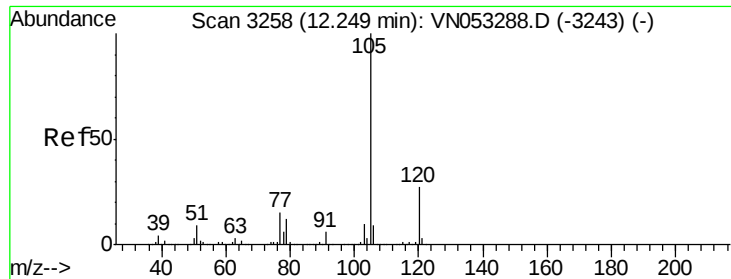
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.688 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2279696

Ion Ratio Lower Upper

105 100

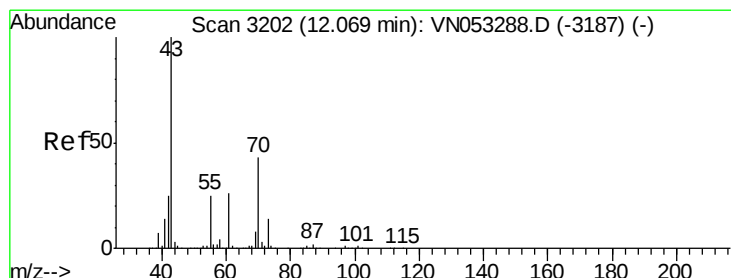
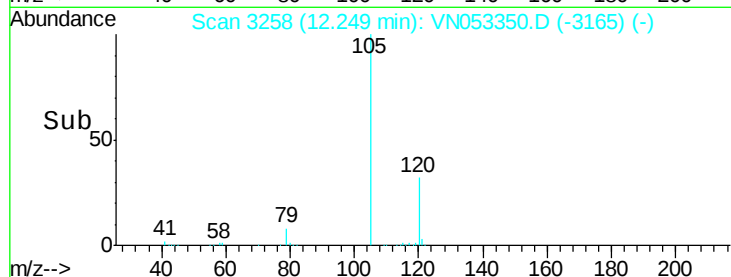
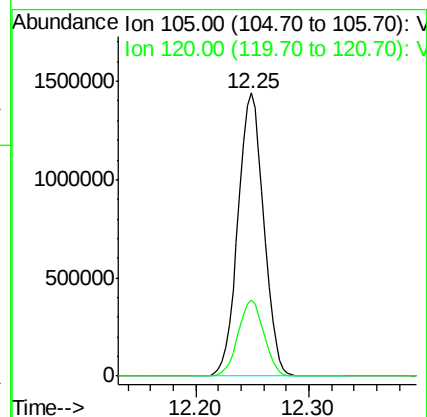
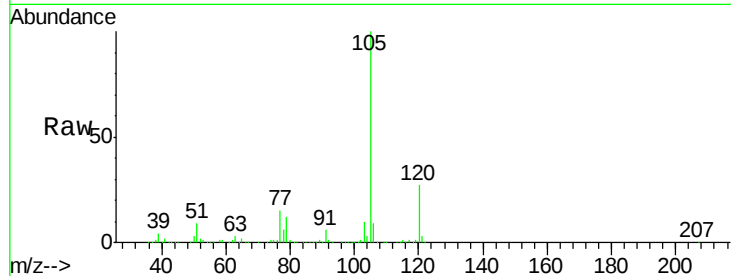
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion: 43 Resp: 671477

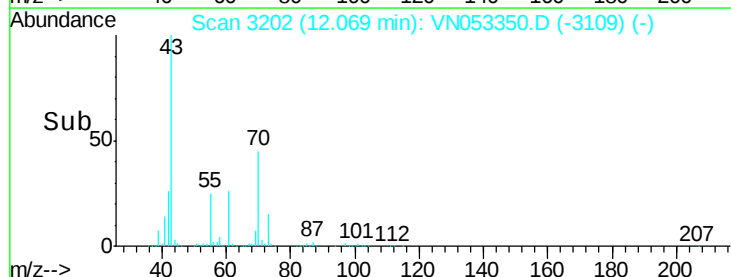
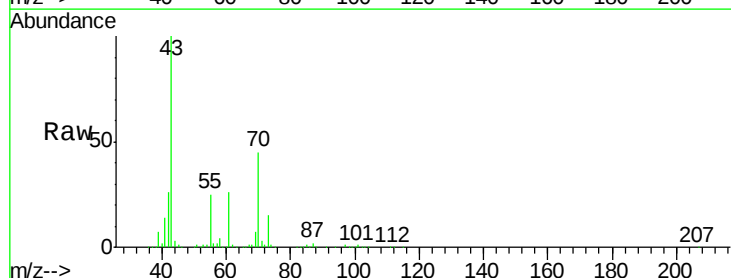
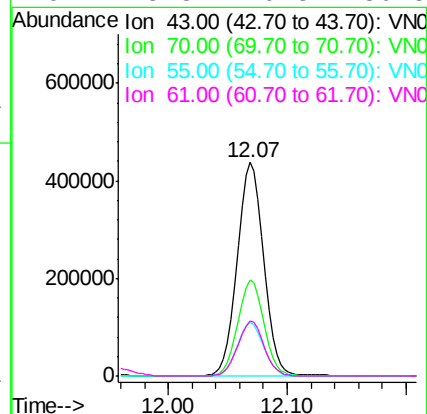
Ion Ratio Lower Upper

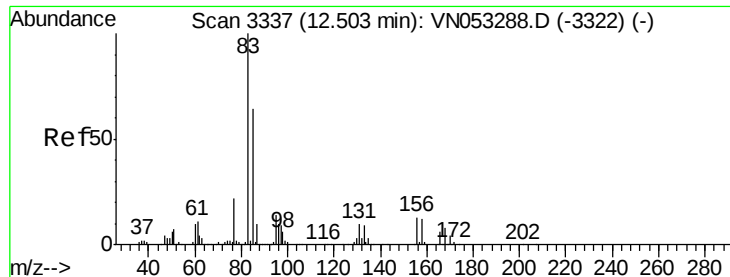
43 100

70 44.8 35.0 52.6

55 25.4 20.0 30.0

61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.609 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 503718
Ion Ratio Lower Upper

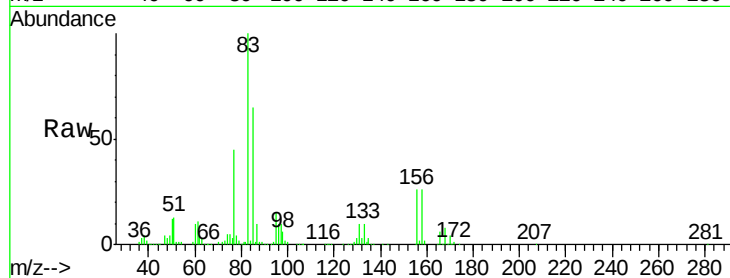
83 100

131 10.4 5.3 15.9

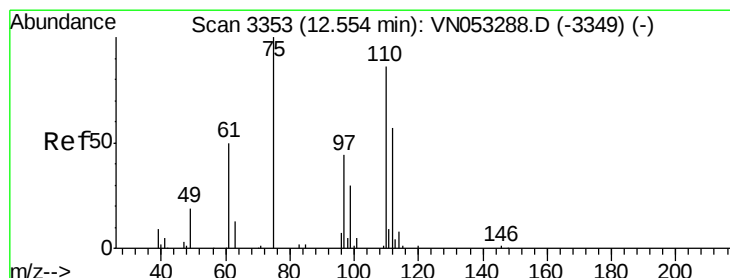
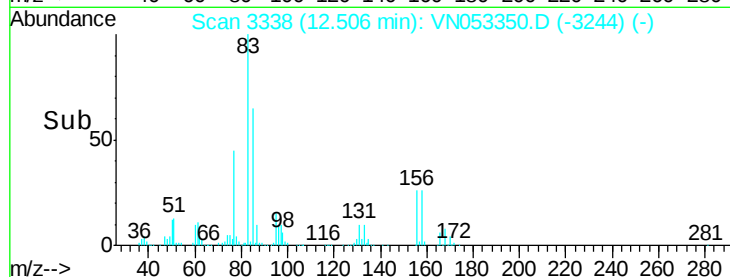
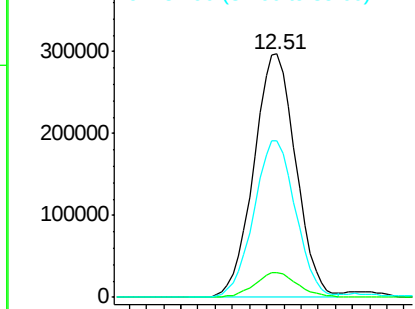
85 64.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 52.143 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

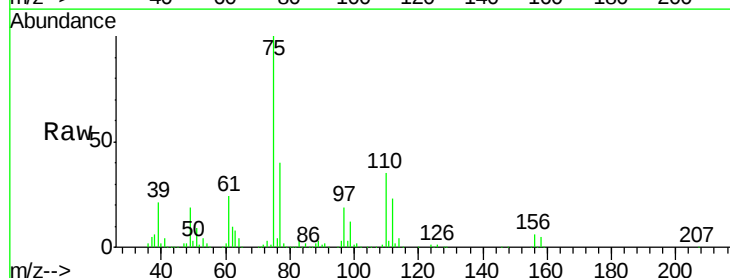
Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

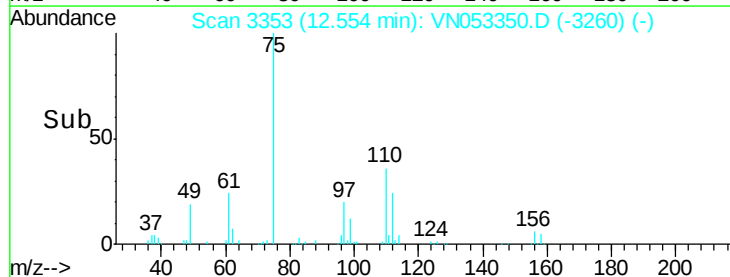
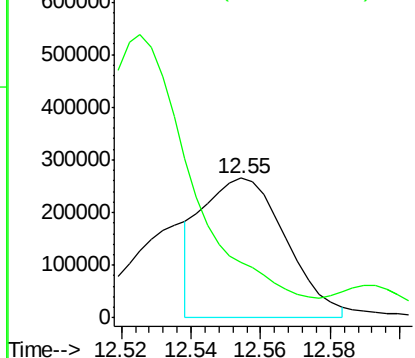
Tgt Ion: 75 Resp: 441979
Ion Ratio Lower Upper

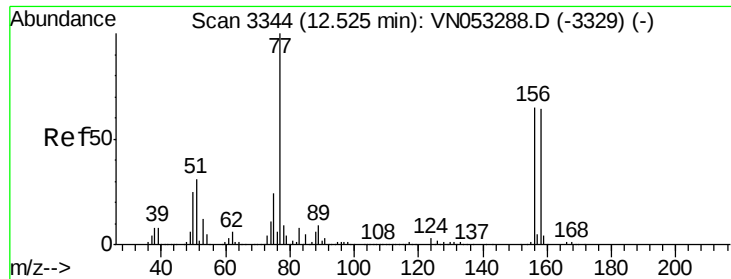
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.255 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

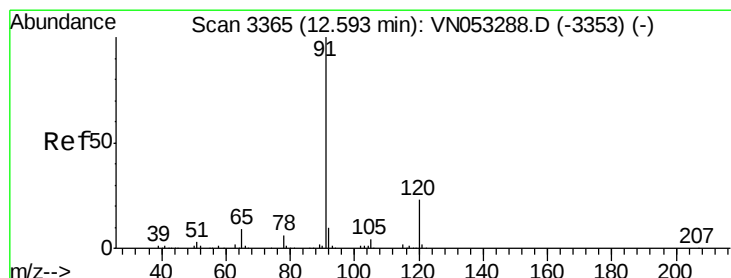
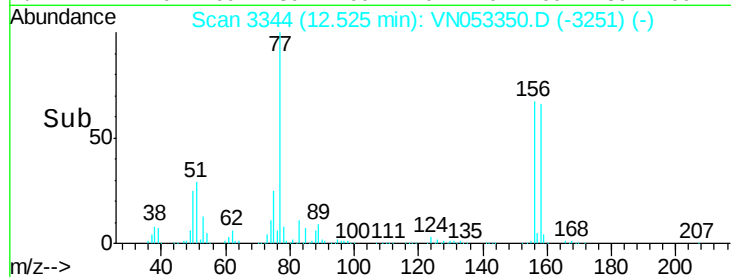
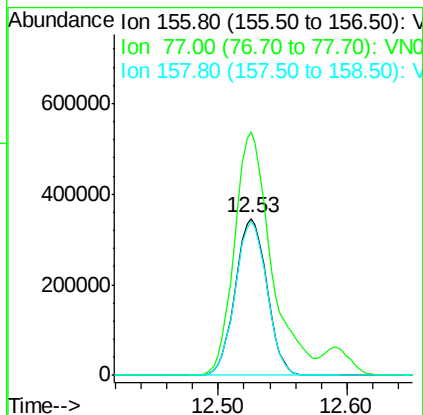
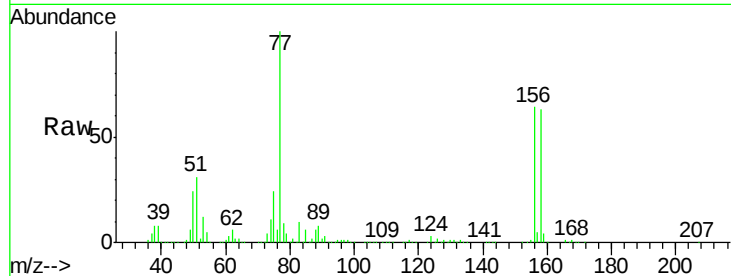
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	591891
Ion Ratio	Lower	Upper	
156	100		
77	180.9	89.3	268.1
158	98.0	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 53.594 ug/l

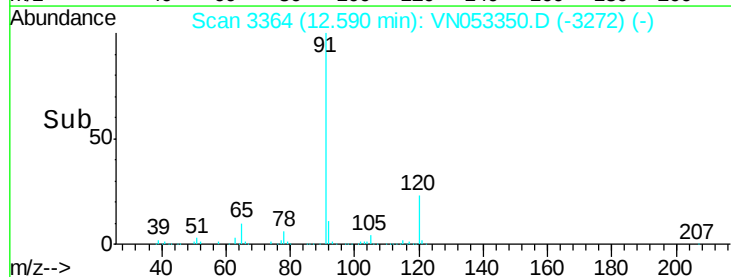
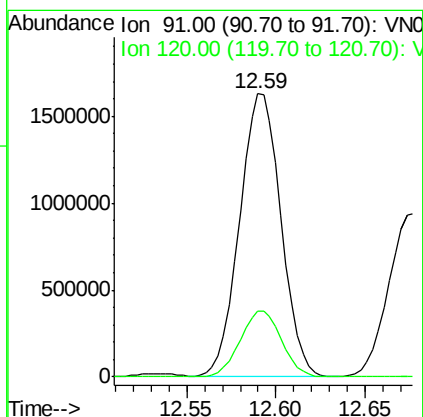
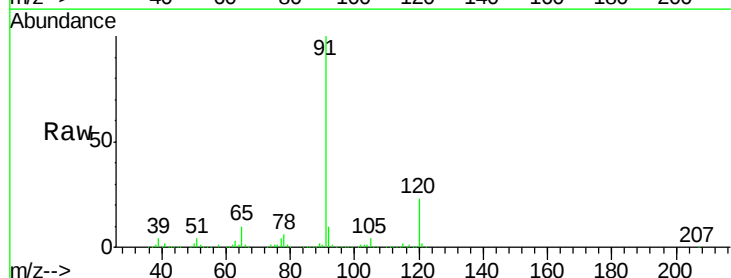
RT: 12.59 min Scan# 3364

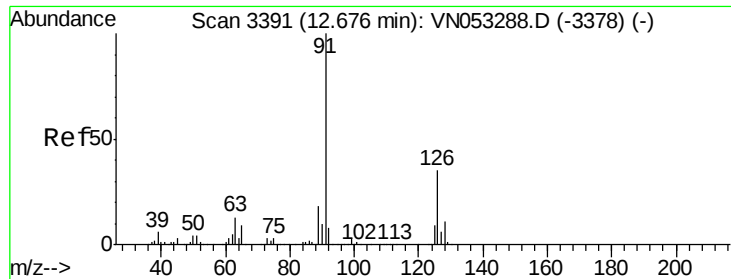
Delta R.T. -0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	91	Resp:	2623000
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 51.946 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1538325

Ion Ratio Lower Upper

91 100

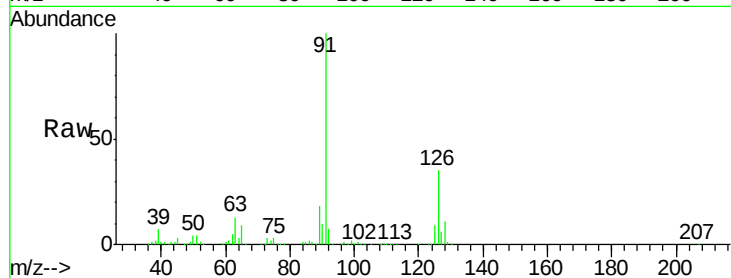
126 35.3 17.5 52.5

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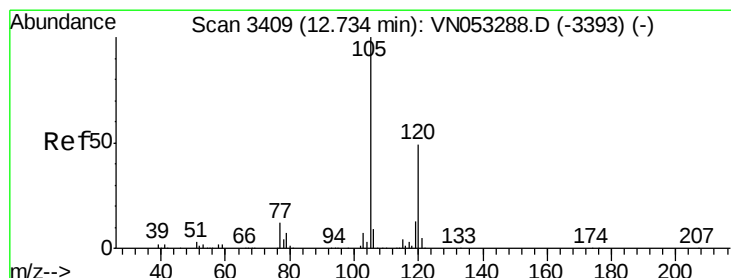
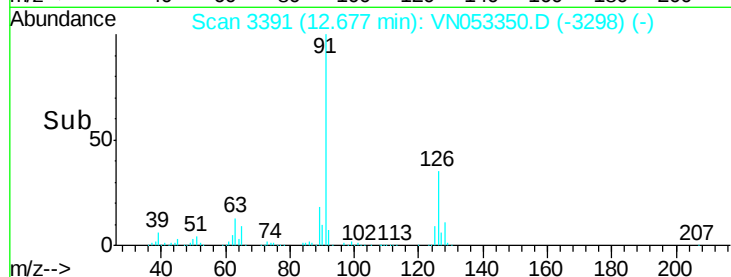
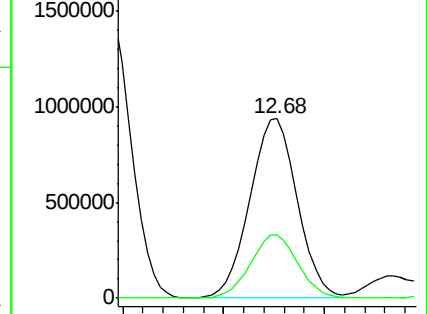
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Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053288.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.340 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053350.D

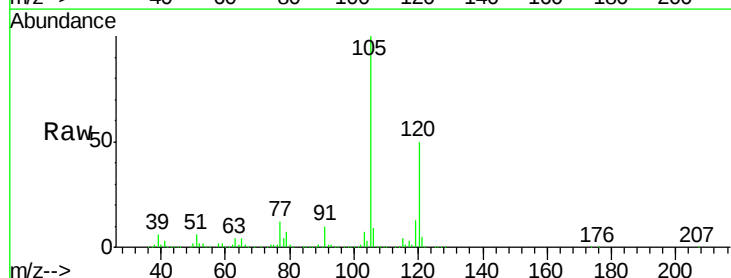
Acq: 10 Jan 2019 19:29

Tgt Ion: 105 Resp: 1858997

Ion Ratio Lower Upper

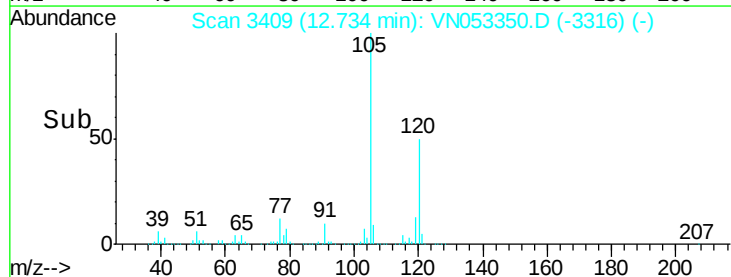
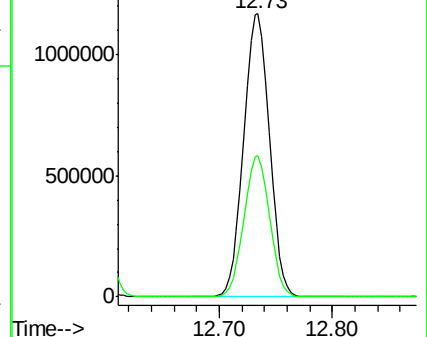
105 100

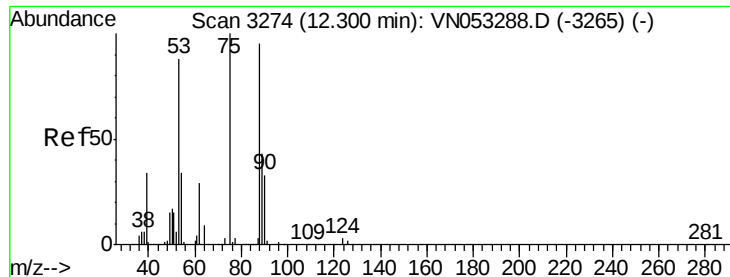
120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053288.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053288.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.729 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

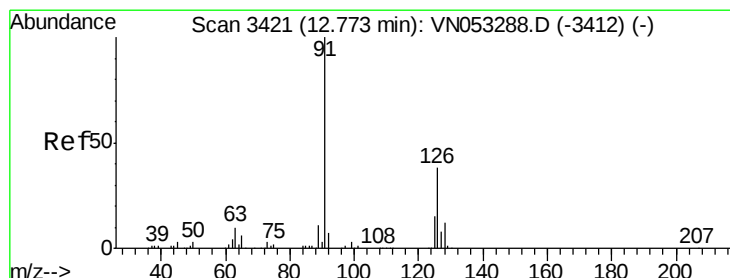
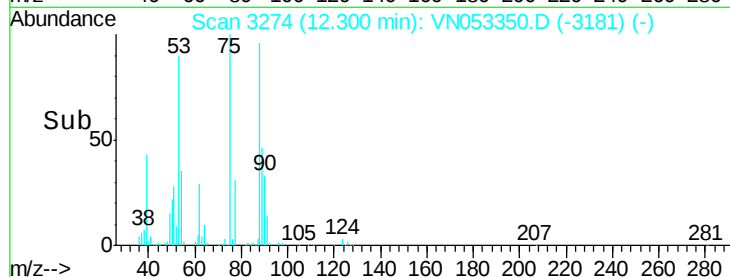
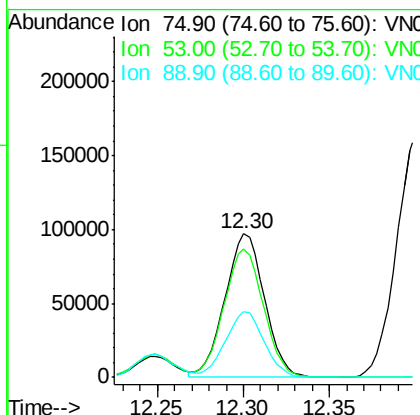
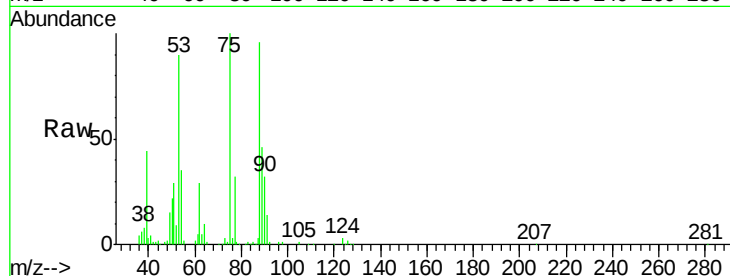
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	154791
Ion Ratio	Lower	Upper	
75	100		
53	90.6	70.5	105.7
89	45.4	35.4	53.0

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#82

4-Chlorotoluene

Concen: 51.821 ug/l

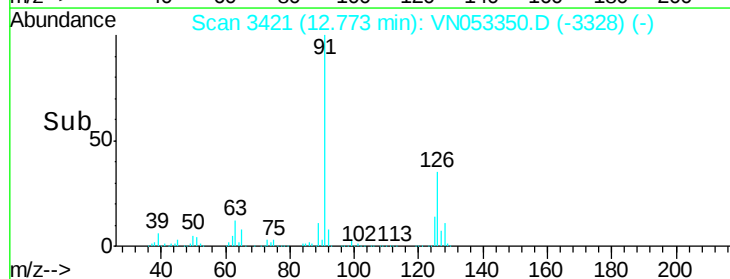
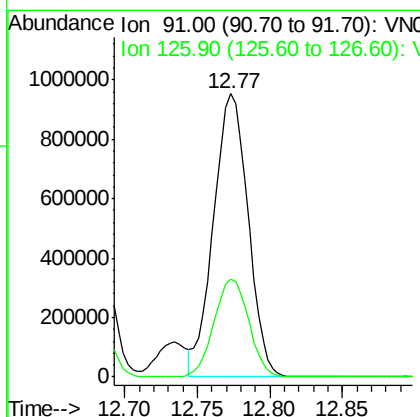
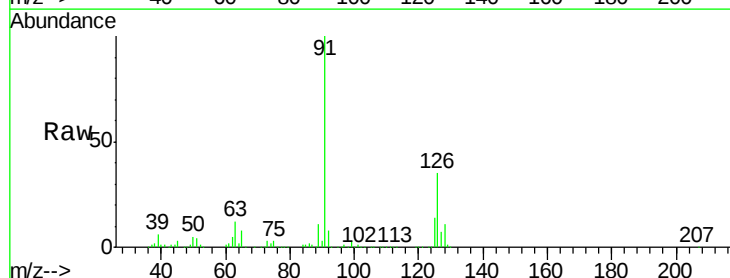
RT: 12.77 min Scan# 3421

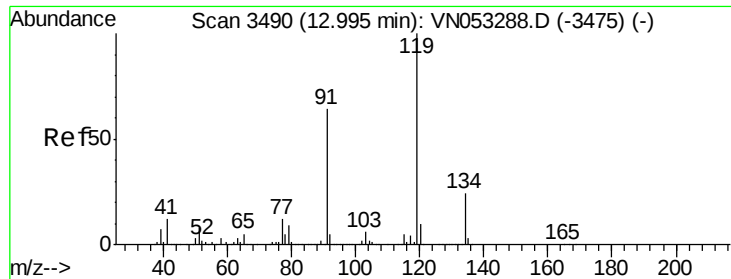
Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	91	Resp:	1573617
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.4	52.2





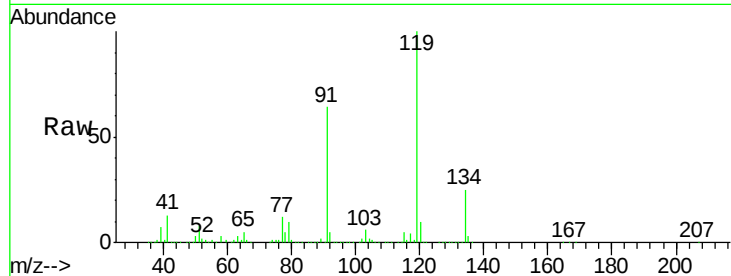
#83
 tert-Butylbenzene
 Concen: 53.798 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

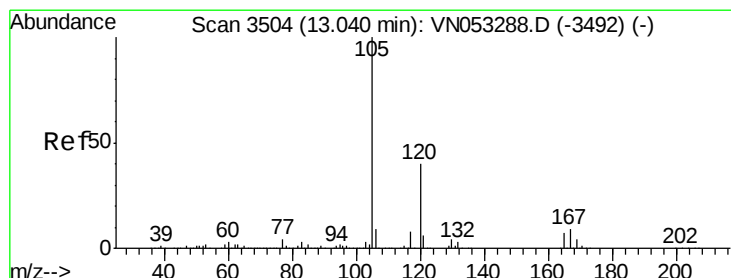
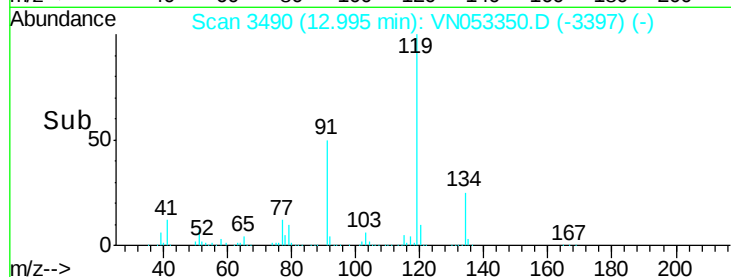
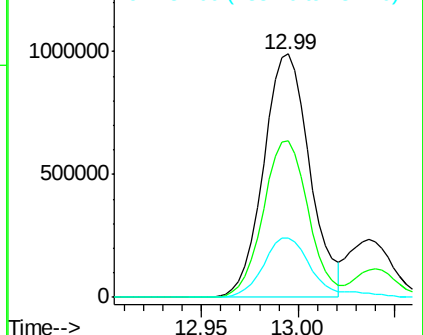
Tot Ion:119 Resp: 1645039
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 95.0
 134 26.0 12.9 38.6

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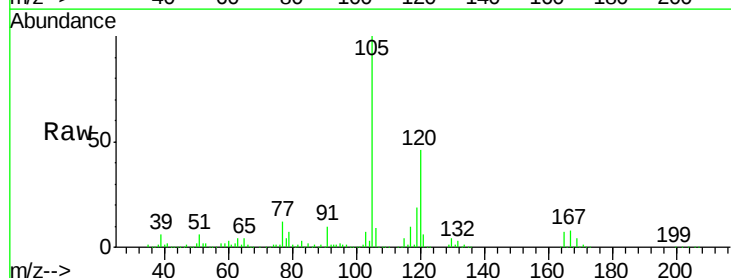


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

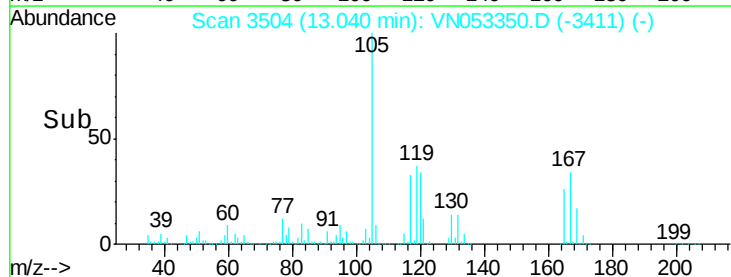
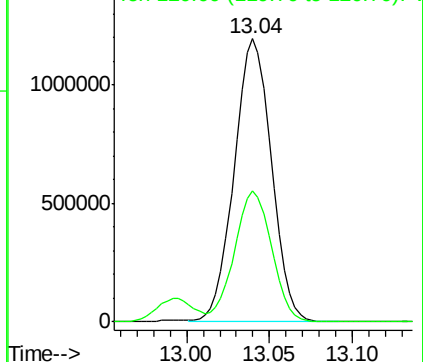


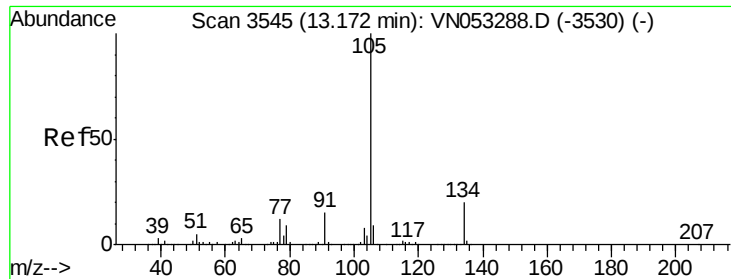
#84
 1,2,4-Trimethylbenzene
 Concen: 52.719 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion:105 Resp: 1871835
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 55.722 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2247058

Ion Ratio Lower Upper

105 100

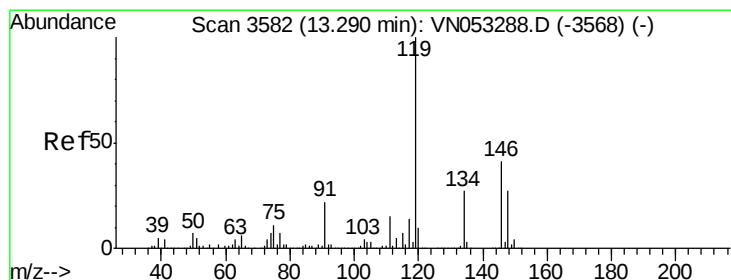
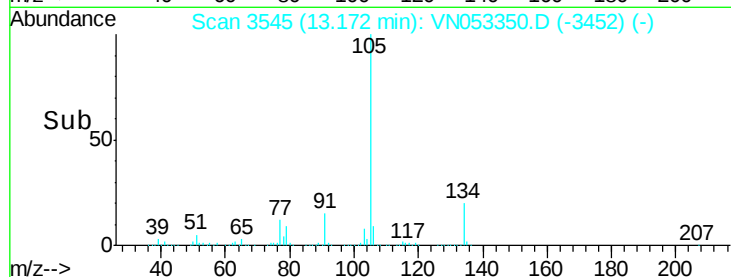
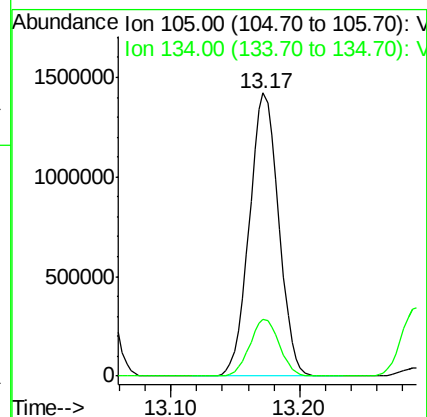
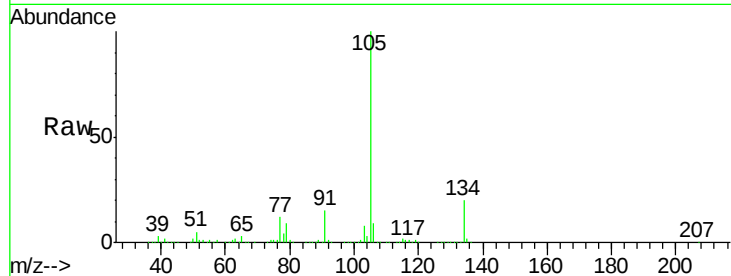
134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.633 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

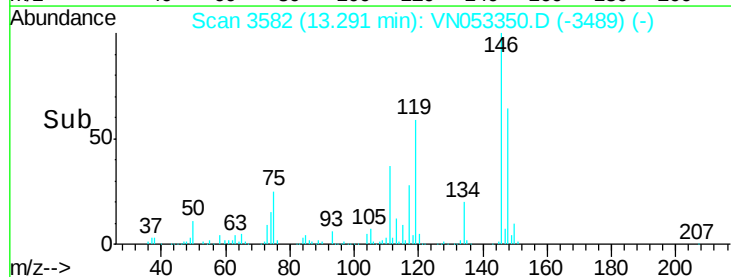
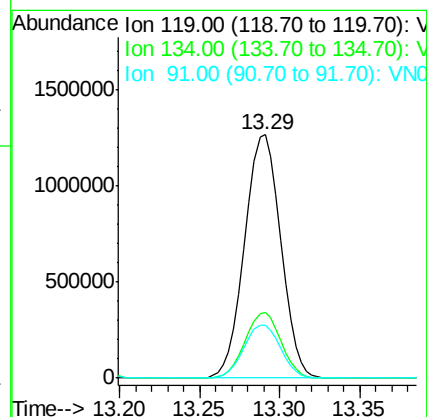
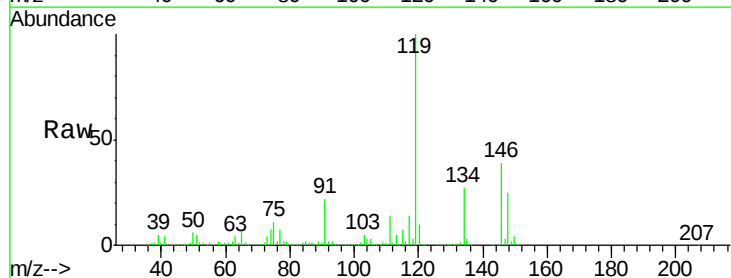
Tgt Ion:119 Resp: 1942446

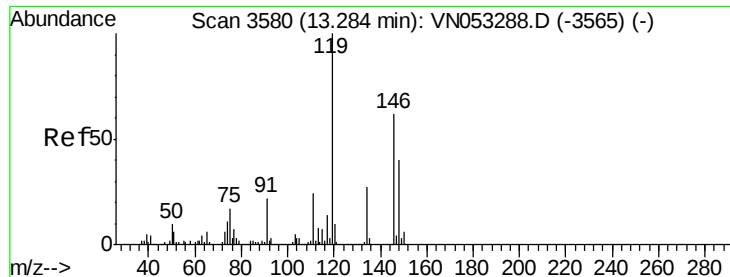
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 11.1 33.1





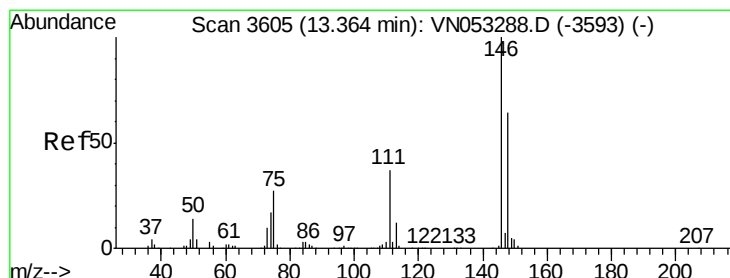
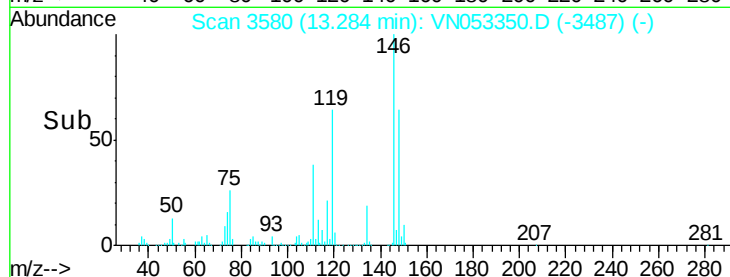
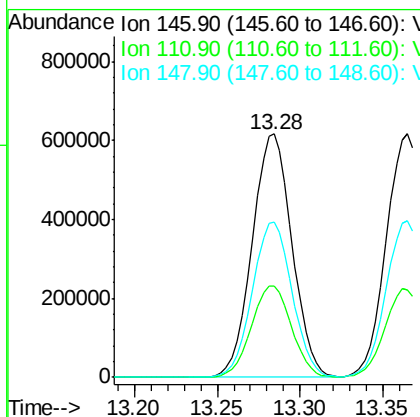
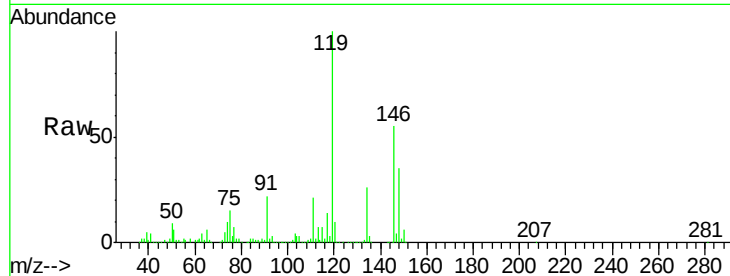
#87
 1,3-Dichlorobenzene
 Concen: 50.807 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1033208
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 63.9 32.0 96.2

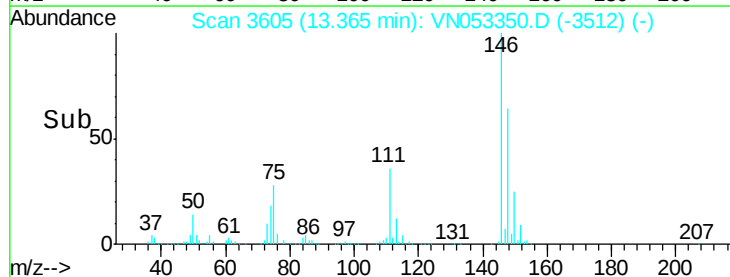
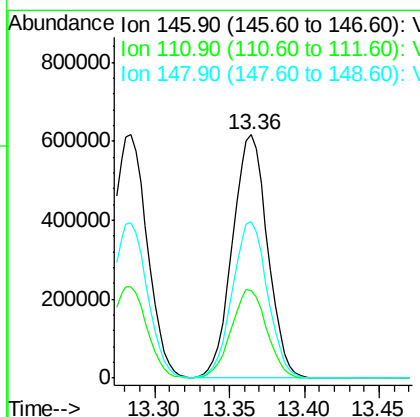
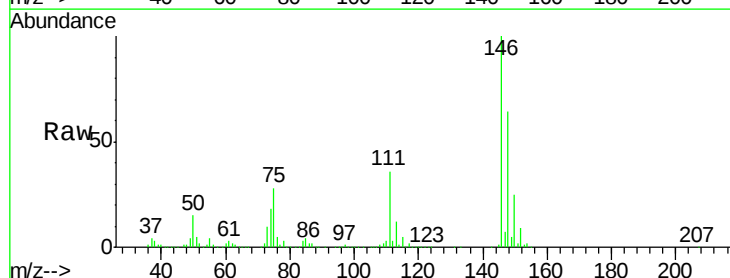
Manual Integrations
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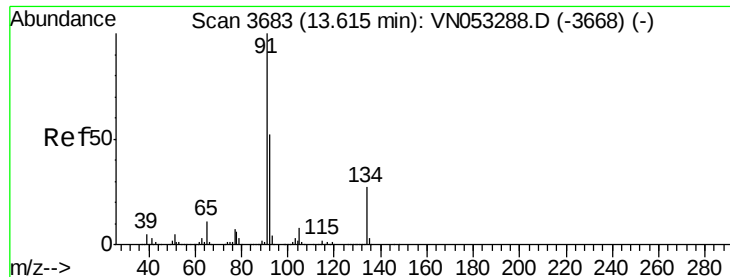
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#88
 1,4-Dichlorobenzene
 Concen: 49.906 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion:146 Resp: 1006743
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 64.5 32.0 96.0





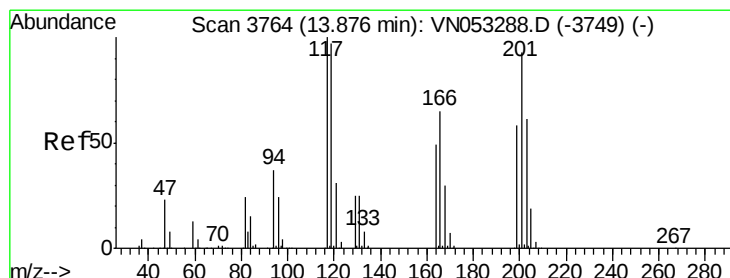
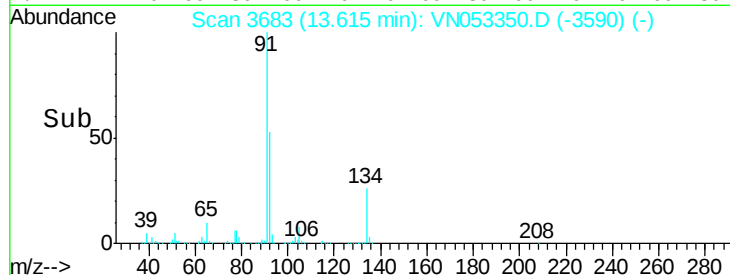
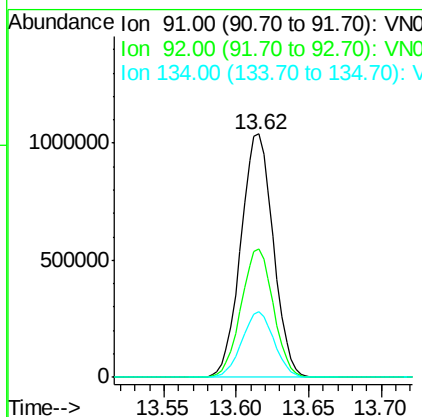
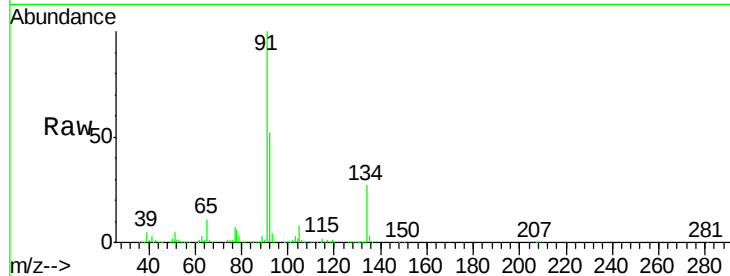
#89
n-Butylbenzene
Concen: 55.242 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1617104
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 26.8 13.5 40.5

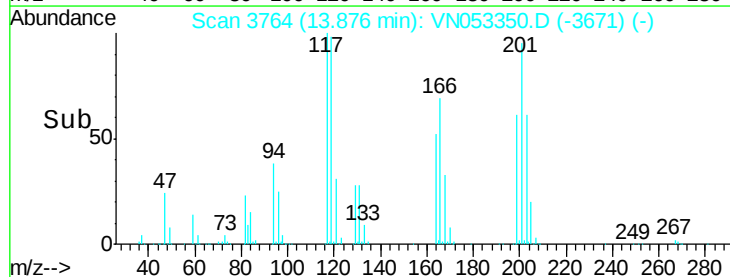
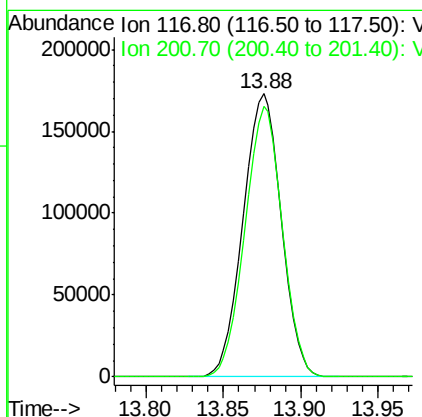
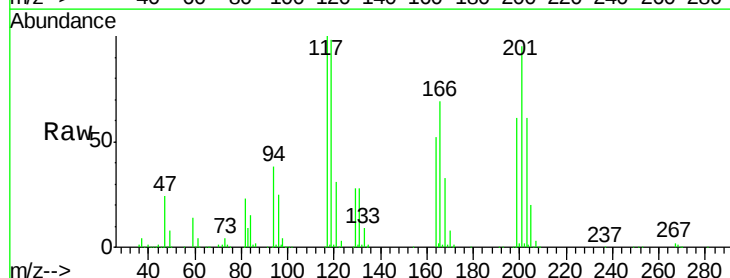
Manual Integrations
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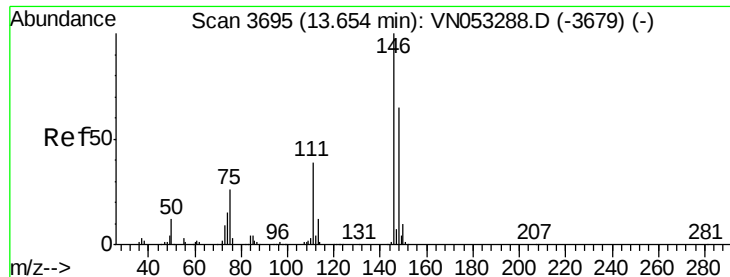
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#90
Hexachloroethane
Concen: 53.236 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053350.D
Acq: 10 Jan 2019 19:29

Tgt Ion: 117 Resp: 297924
Ion Ratio Lower Upper
117 100
201 93.0 46.1 138.3





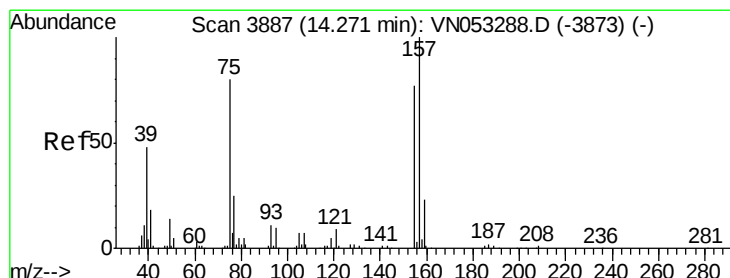
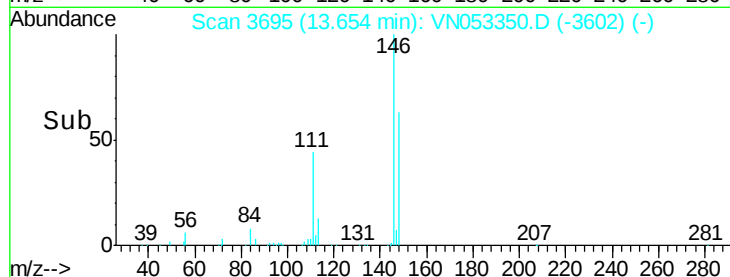
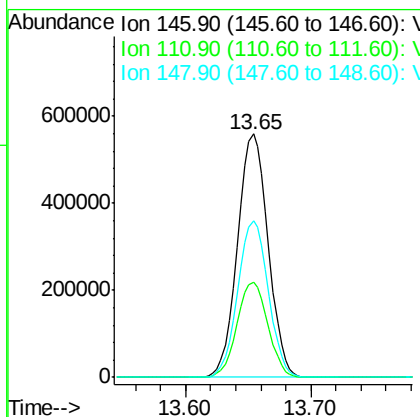
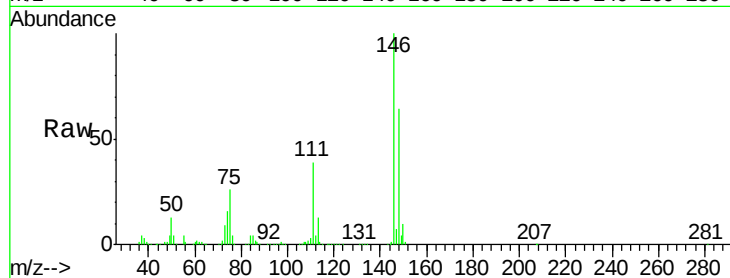
#91
 1,2-Dichlorobenzene
 Concen: 49.676 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	64.2	32.2	96.6

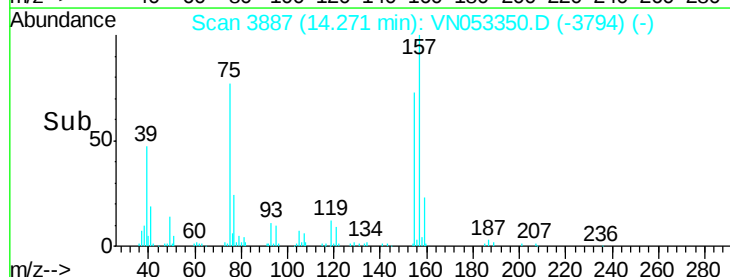
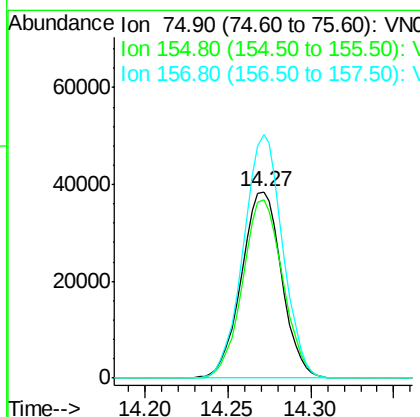
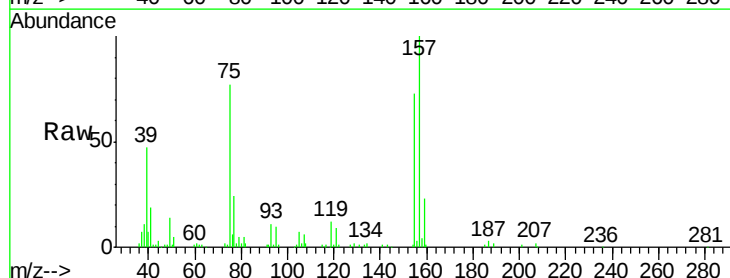
Manual Integrations
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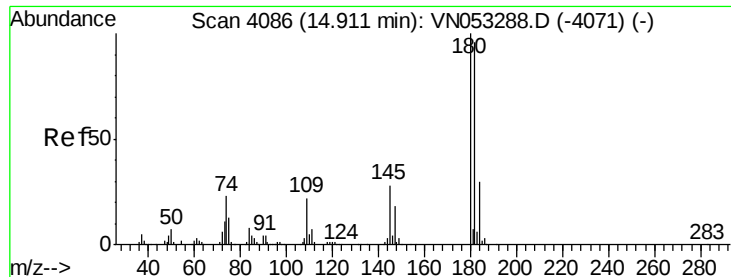
MMDadoda
 1/11/2019 10:12:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.818 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.1	144.3
157	126.9	61.5	184.4





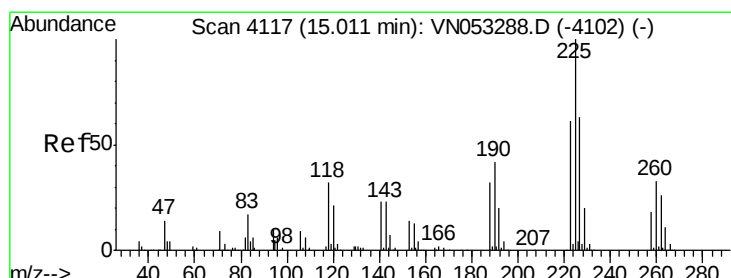
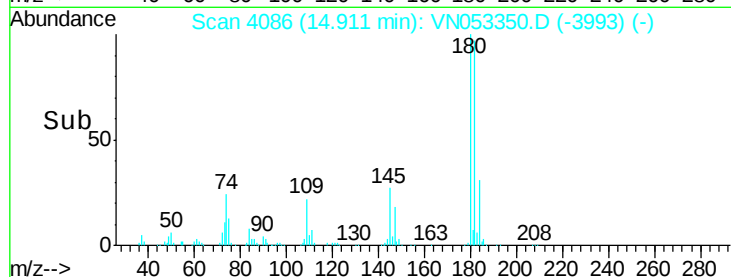
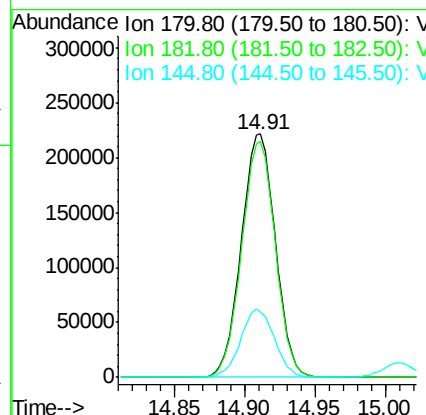
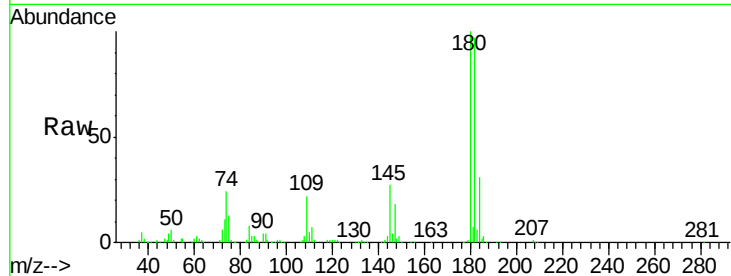
#93
 1,2,4-Trichlorobenzene
 Concen: 62.567 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.8	143.4	
145	27.9	14.4	43.0	

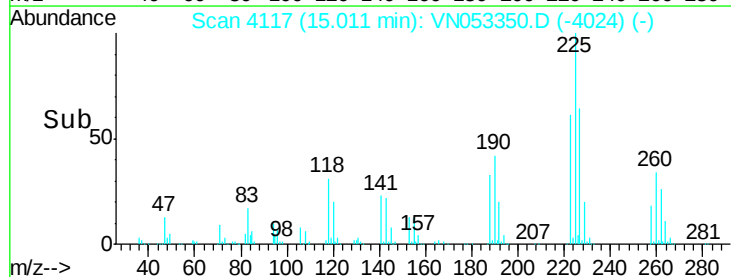
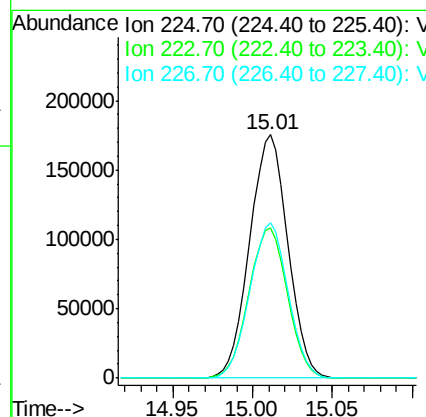
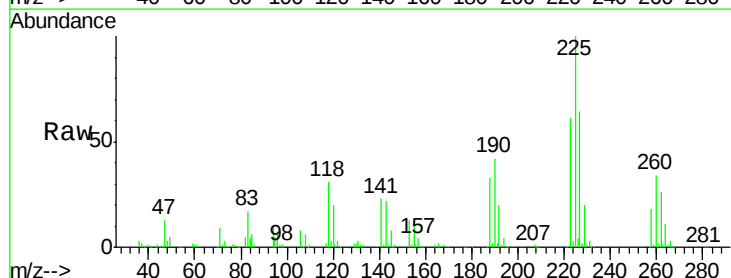
Manual Integrations
 APPROVED

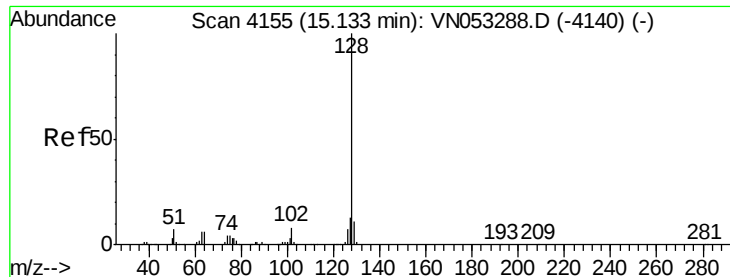
MMDadoda
 1/11/2019 10:12:05 AM



#94
 Hexachlorobutadiene
 Concen: 58.427 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053350.D
 Acq: 10 Jan 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	30.9	92.8	
227	63.9	31.4	94.2	





#95

Naphthalene

Concen: 66.408 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Instrument :

MSVOA_N

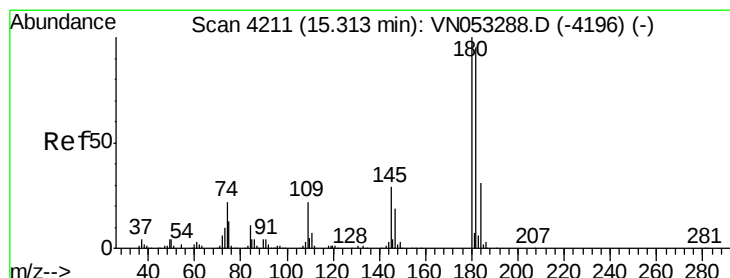
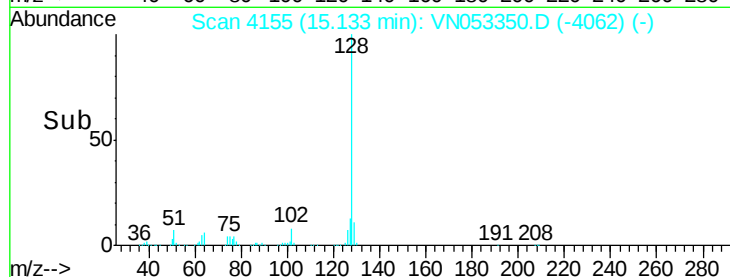
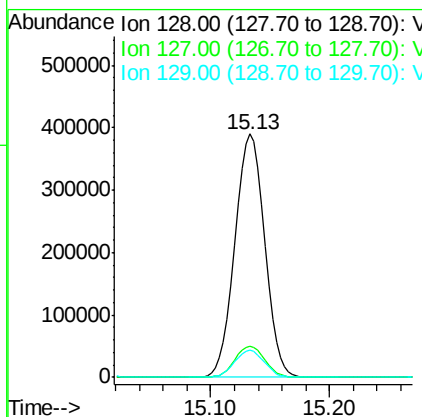
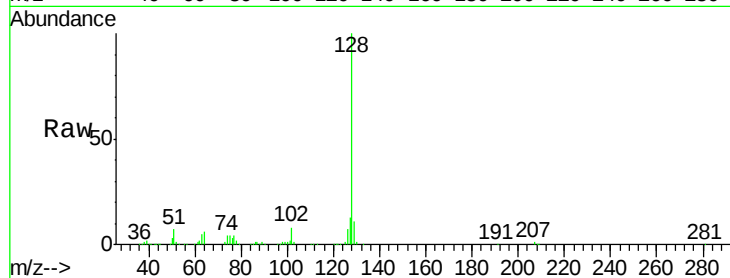
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	678525
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 67.898 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053350.D

Acq: 10 Jan 2019 19:29

Tgt Ion:	180	Resp:	266251
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.4	145.0
145	30.1	14.9	44.5

