

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050505.D
 Acq On : 10 Aug 2018 00:06
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:53:26 AM

Quant Time: Aug 10 07:59:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	133348	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	719124	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	631608	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	271287	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	289449	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	10.09	98	903449	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	137839	15.00	ug/l	94
3) Chloromethane	2.06	50	170128	17.96	ug/l	100
4) Vinyl Chloride	2.18	62	182500	18.09	ug/l	98
5) Bromomethane	2.57	94	102395	16.65	ug/l	99
6) Chloroethane	2.70	64	113201	18.98	ug/l	99
7) Trichlorofluoromethane	3.01	101	248084	18.82	ug/l	98
8) Diethyl Ether	3.41	74	83571	18.90	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151339	18.87	ug/l	99
10) 1,1-Dichloroethene	3.74	96	137066	19.28	ug/l	93
11) Methyl Iodide	3.95	142	70101	6.70	ug/l	99
12) Methyl Acetate	4.33	43	127234	15.62	ug/l	99
13) Acrolein	3.61	56	42610	84.66	ug/l	96
14) Acrylonitrile	4.99	53	251116	92.40	ug/l	98
15) Acetone	3.82	58	74011	102.48	ug/l	98
16) Carbon Disulfide	4.05	76	395433	18.17	ug/l	99
17) Allyl chloride	4.33	41	201095	17.91	ug/l	98
18) Methylene Chloride	4.55	84	161613	19.70	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	146920	19.30	ug/l	99
20) Diisopropyl ether	5.96	45	468809	20.36	ug/l	98
21) 1,1-Dichloroethane	5.85	63	282916	19.54	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	167979	19.90	ug/l	96
23) tert-Butyl Alcohol	4.80	59	50715	83.52	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	376043	19.39	ug/l	100
25) Chloroform	7.37	83	290479	19.82	ug/l	99
26) Cyclohexane	7.65	56	219311	19.06	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	207617	18.60	ug/l	99
30) 2-Butanone	6.84	43	349620	99.83	ug/l	99
31) 2,2-Dichloropropane	6.83	77	180186	14.61	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	246454	18.76	ug/l	100
33) Carbon Tetrachloride	7.78	117	216166	18.46	ug/l	99
34) Benzene	8.05	78	641543	18.93	ug/l	98
35) Methacrylonitrile	7.18	41	60630	15.21	ug/l	96
36) 1,2-Dichloroethane	8.13	62	204804	18.40	ug/l	99
37) Trichloroethene	8.84	130	172694	19.43	ug/l	94
38) Methylcyclohexane	9.08	83	205901	17.50	ug/l	99
39) 1,2-Dichloropropane	9.12	63	169590	18.99	ug/l	100
40) Dibromomethane	9.21	93	102456	18.57	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	215730	18.53	ug/l	99
42) Vinyl Acetate	5.90	43	1495398	90.74	ug/l	99
43) Ethyl Acetate	6.94	43	124567	17.03	ug/l	96
44) Isopropyl Acetate	8.17	43	227569	16.80	ug/l	# 82
45) 1,4-Dioxane	9.20	88	31505	353.42	ug/l	99
46) Methyl methacrylate	9.20	41	111544	16.99	ug/l	98
47) n-amyl Acetate	12.07	43	180689	17.14	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	194171	17.50	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	229895	17.63	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	147943	18.68	ug/l	99
51) Ethyl methacrylate	10.43	69	168734	17.55	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241794	18.59	ug/l	100
53) Dibromochloromethane	10.90	129	162017	18.02	ug/l	99
54) 1,2-Dibromoethane	11.01	107	141146	18.19	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	411070	94.47	ug/l	99
56) Bromoform	12.13	173	107916	17.00	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	803605	109.34	ug/l	99
59) 2-Hexanone	10.75	43	514992	102.71	ug/l	99
61) Tetrachloroethene	10.63	164	167175	19.54	ug/l	99
62) Toluene	10.16	91	690826	19.17	ug/l	99
64) Chlorobenzene	11.44	112	425720	19.48	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	163200	19.15	ug/l	99
66) Ethyl Benzene	11.51	91	692307	18.80	ug/l	99
67) m/p-Xylenes	11.62	106	548366	38.69	ug/l	99
68) o-Xylene	11.95	106	260103	19.29	ug/l	99
69) Styrene	11.97	104	419395	19.40	ug/l	100
70) Isopropylbenzene	12.25	105	684499	19.06	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	183197	18.58	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	148804m	17.67	ug/l	
73) Bromobenzene	12.53	156	180017	18.82	ug/l	99
74) n-propylbenzene	12.59	91	772547	18.47	ug/l	99
75) 2-Chlorotoluene	12.68	91	480451	19.13	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	568135	19.26	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36064	13.10	ug/l	98
78) 4-Chlorotoluene	12.77	91	479824	19.27	ug/l	99
79) tert-butylbenzene	12.99	119	482542	19.14	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	576612	19.29	ug/l	99
81) sec-Butylbenzene	13.17	105	629992	18.39	ug/l	100
82) p-Isopropyltoluene	13.29	119	536296	18.35	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	312599	18.77	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	294398	18.70	ug/l	99
85) n-Butylbenzene	13.62	91	395885	16.69	ug/l	100
86) Hexachloroethane	13.88	117	90546	15.50	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	308534	18.95	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24951	16.24	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	136129	17.50	ug/l	98
90) Hexachlorobutadiene	15.01	225	90101	17.57	ug/l	98
91) Naphthalene	15.13	128	269512	18.70	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	134711	17.03	ug/l	98

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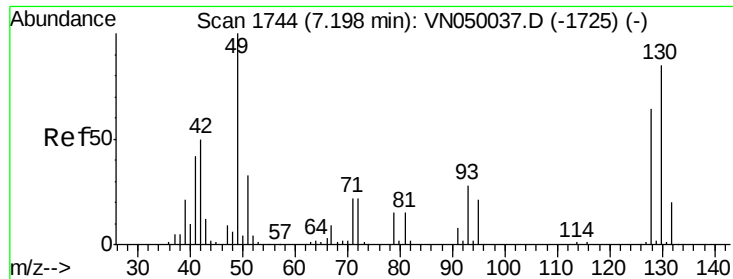
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

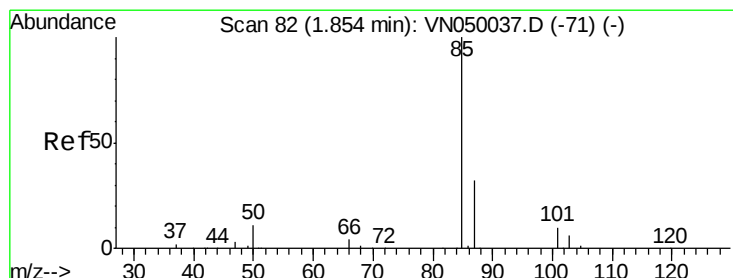
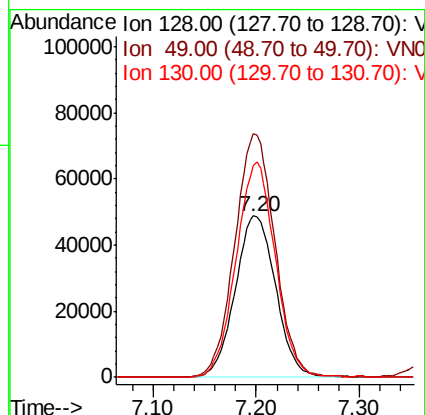
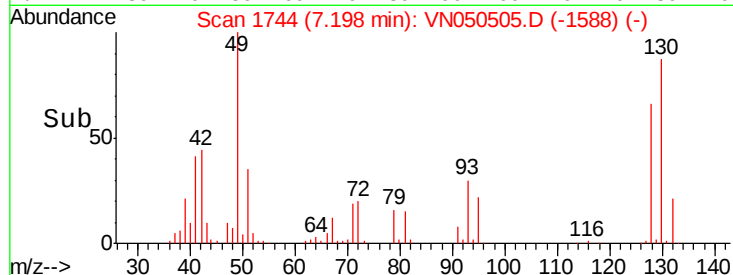
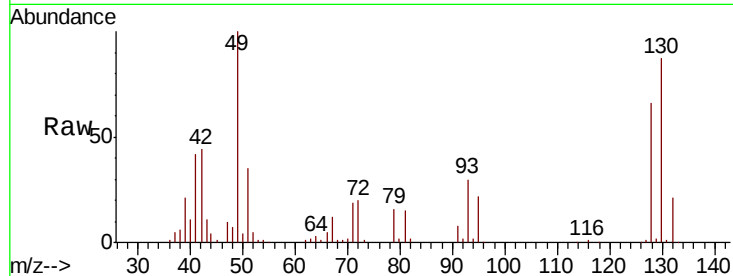
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	133348
Ion	Ratio	Lower	Upper
128	100		
49	149.6	0.0	378.3
130	129.2	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 15.00 ug/l

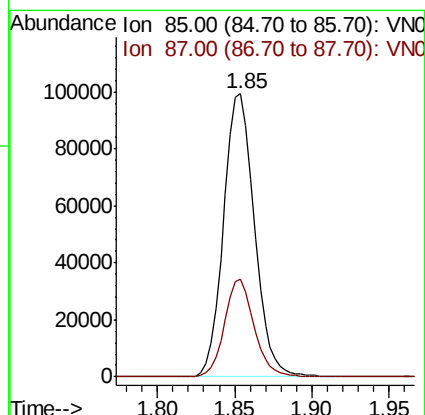
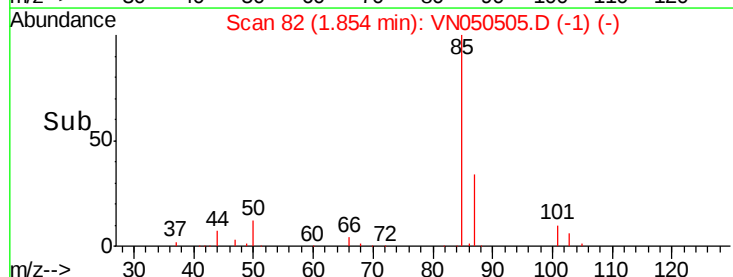
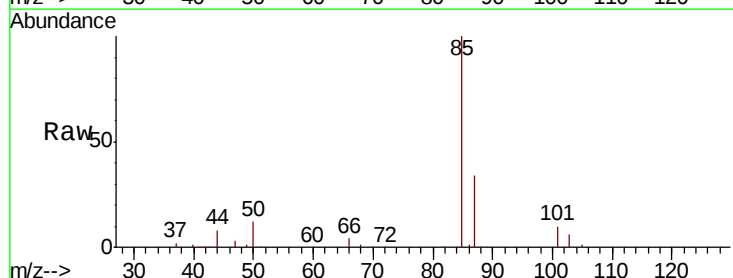
RT: 1.85 min Scan# 82

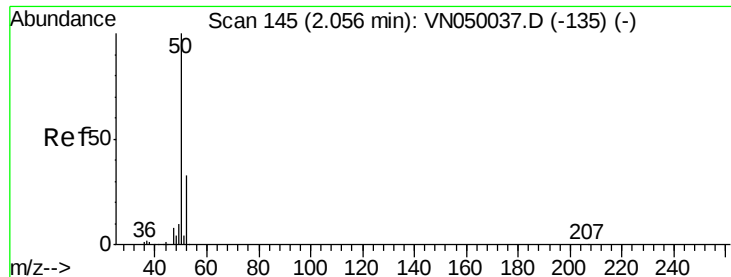
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	85	Resp:	137839
Ion	Ratio	Lower	Upper
85	100		
87	34.3	15.4	46.4





#3

Chloromethane

Concen: 17.96 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 170128

Ion Ratio Lower Upper

50 100

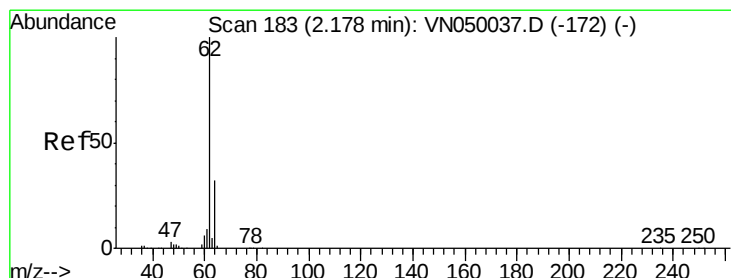
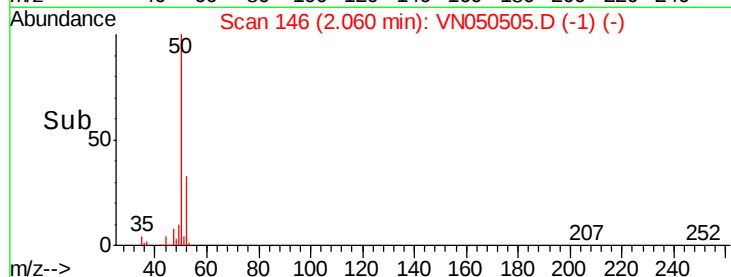
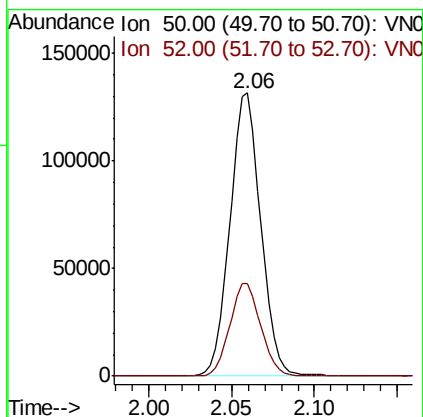
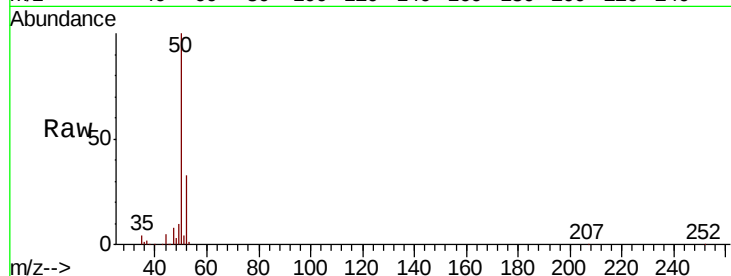
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.09 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050505.D

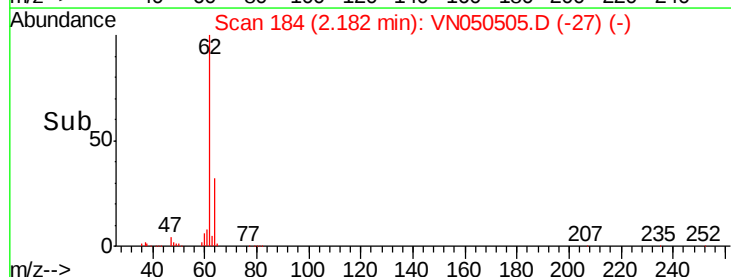
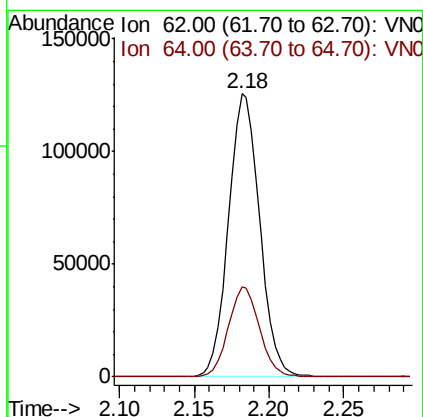
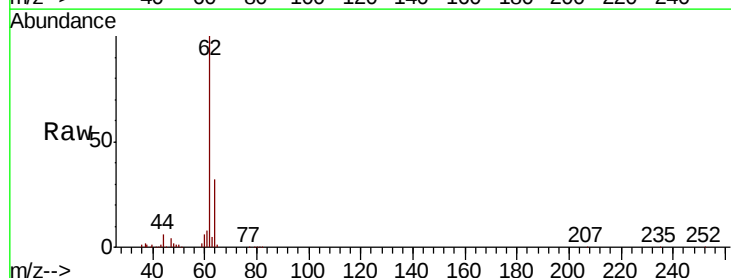
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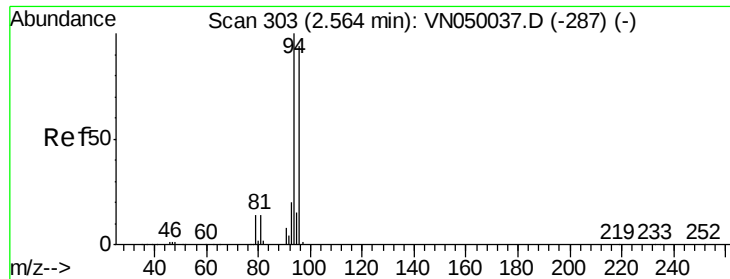
Tgt Ion: 62 Resp: 182500

Ion Ratio Lower Upper

62 100

64 31.6 24.4 36.6





#5

Bromomethane

Concen: 16.65 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 102395

Ion Ratio Lower Upper

94 100

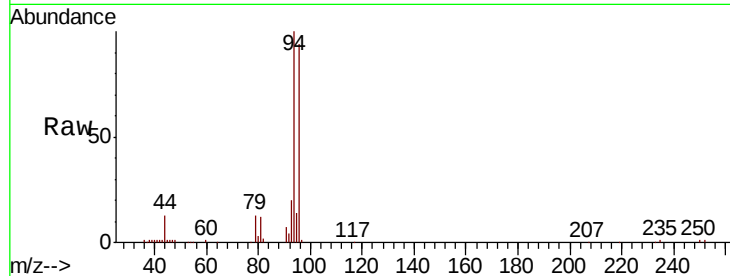
96 93.8 75.9 113.9

Manual Integrations

APPROVED

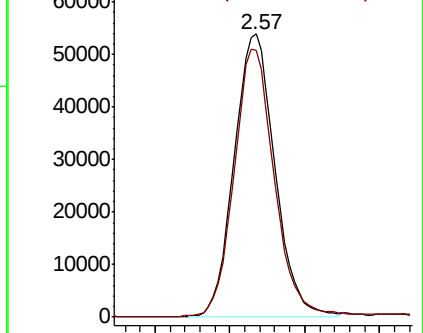
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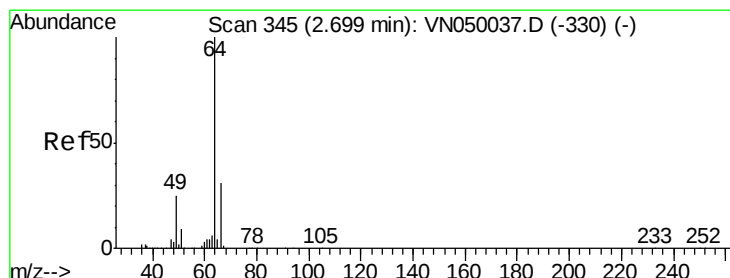
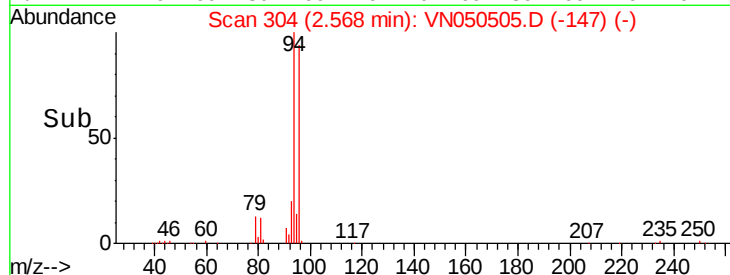


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 18.98 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050505.D

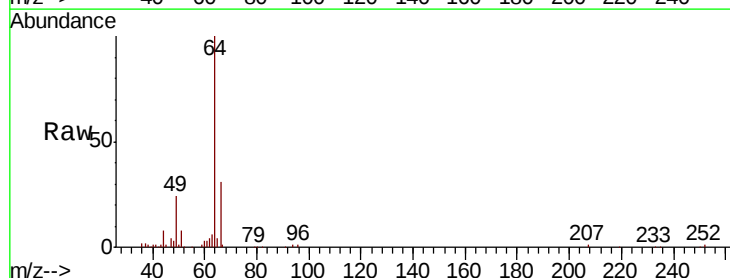
Acq: 10 Aug 2018 00:06

Tgt Ion: 64 Resp: 113201

Ion Ratio Lower Upper

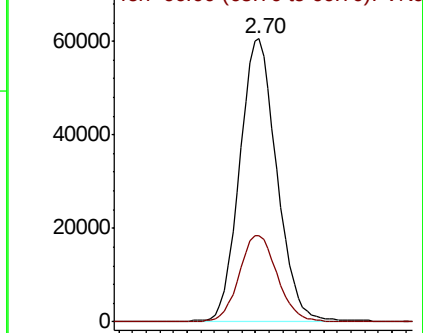
64 100

66 30.8 25.0 37.4

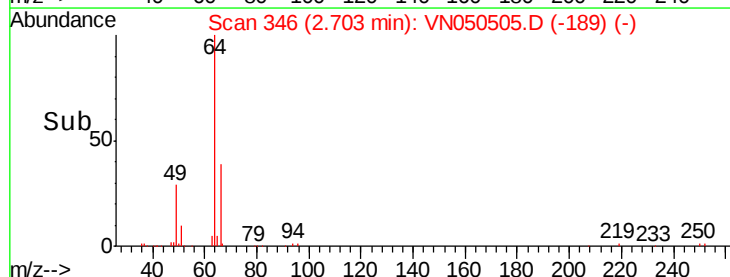


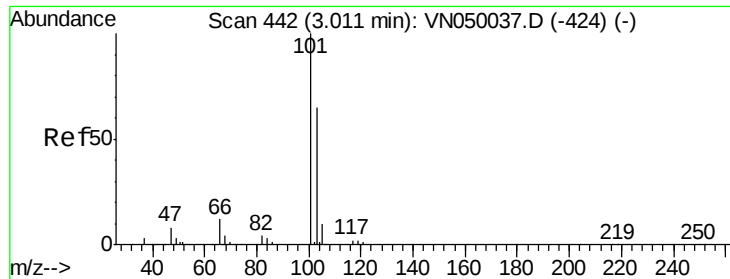
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->





#7

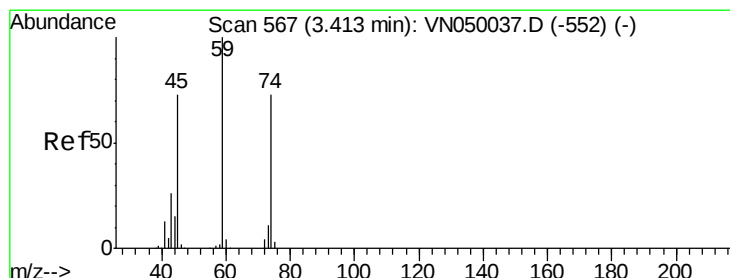
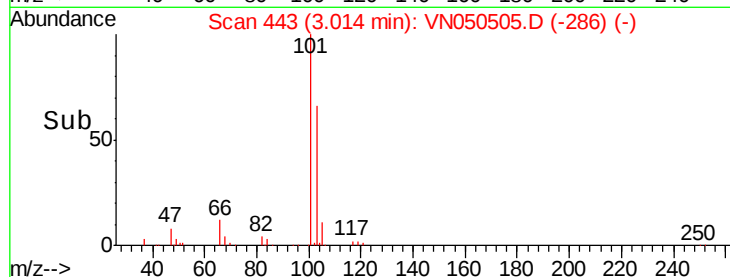
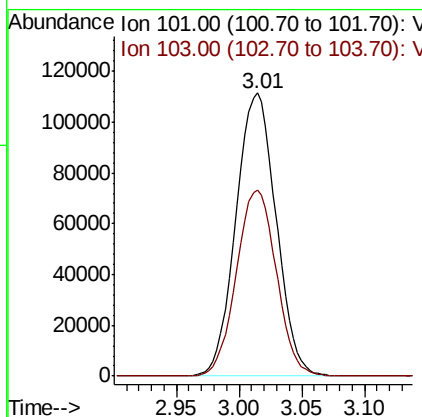
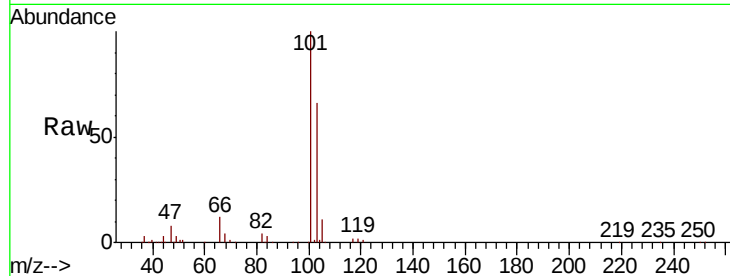
Trichlorofluoromethane
 Concen: 18.82 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.5	77.3

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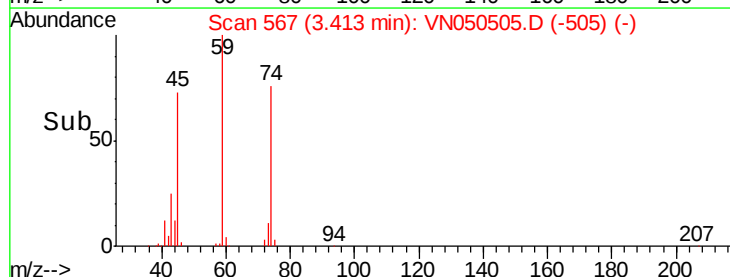
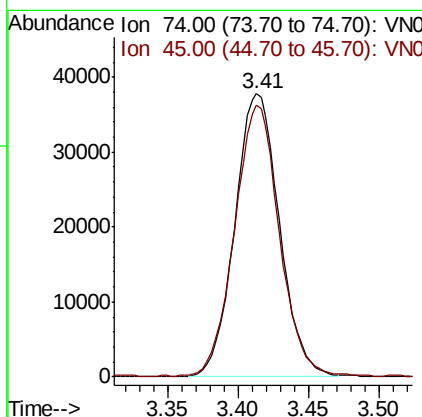
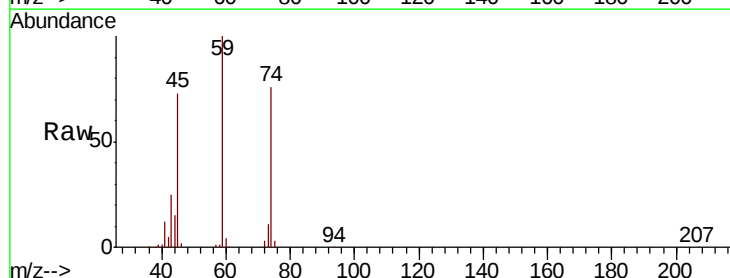
MMDadoda
 8/10/2018 10:53:26 AM

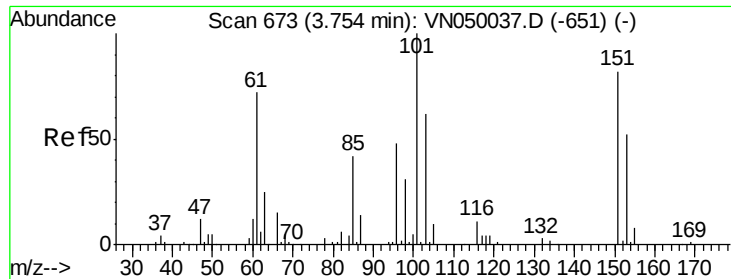


#8

Diethyl Ether
 Concen: 18.90 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	18.7	167.9





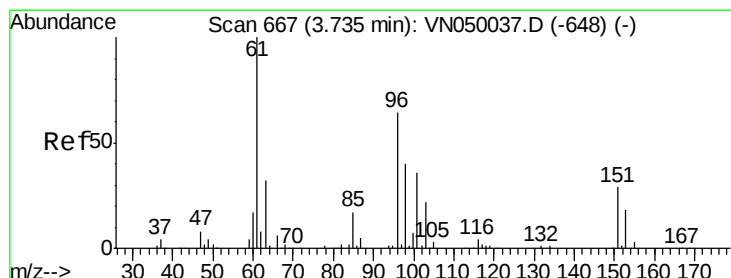
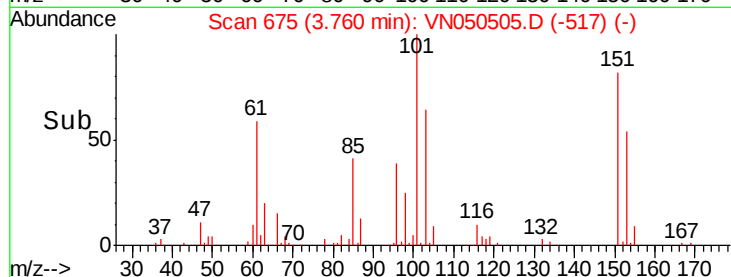
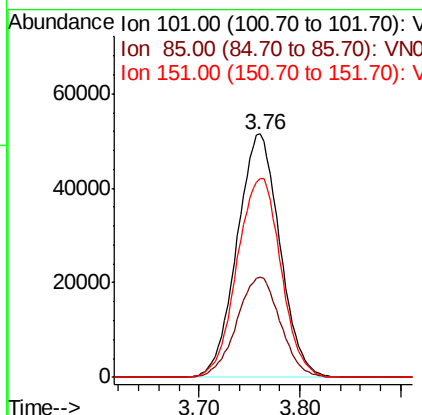
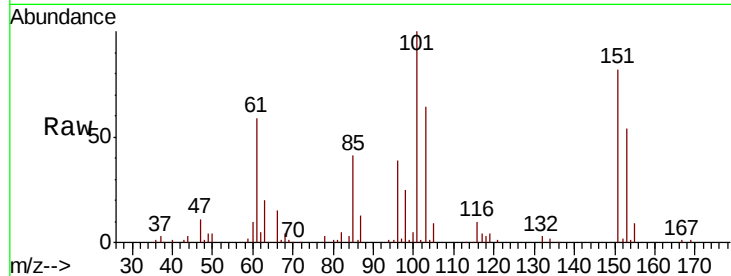
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.87 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	151339		
85	42.0	0.0	83.0	
151	83.8	0.0	166.8	

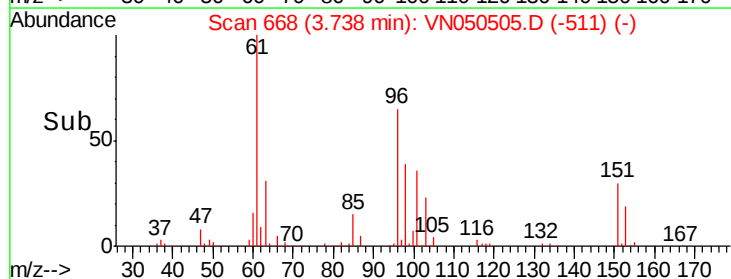
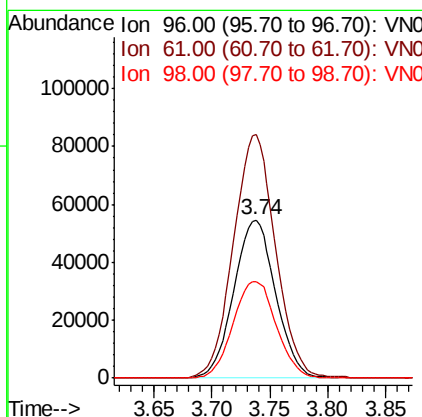
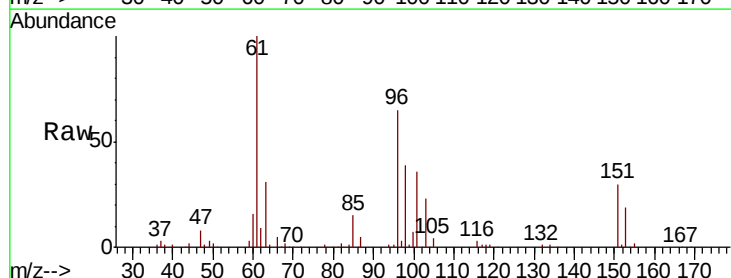
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 8/10/2018 10:53:26 AM



#10
 1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137066		
61	153.5	130.6	195.8	
98	60.6	53.5	80.3	





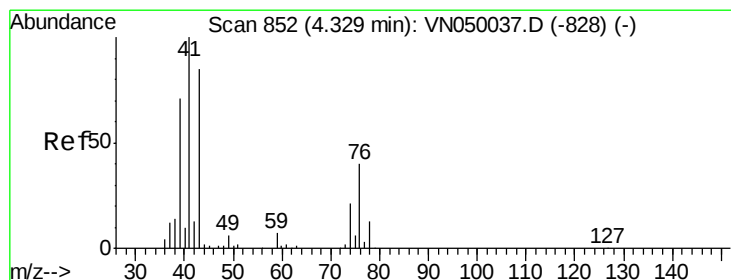
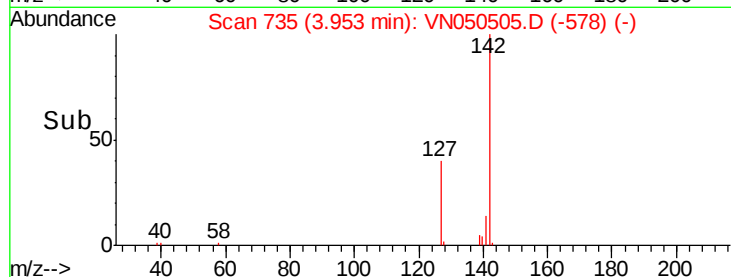
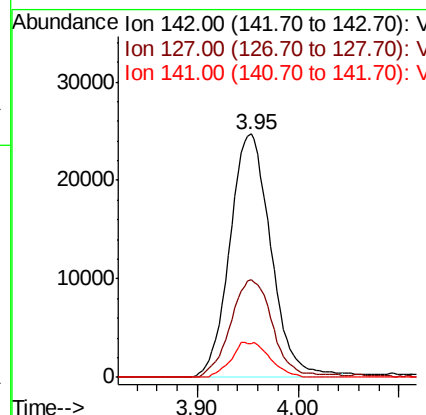
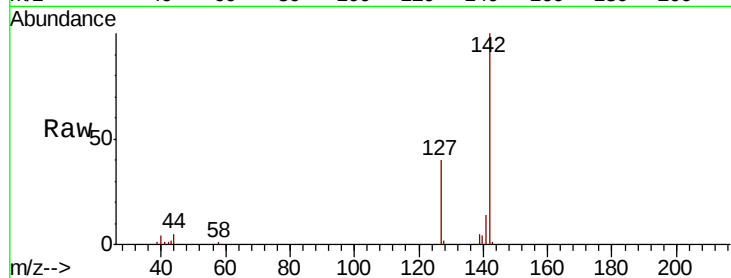
#11
Methyl Iodide
Concen: 6.70 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.9	20.2	60.5
141	14.1	6.9	20.6

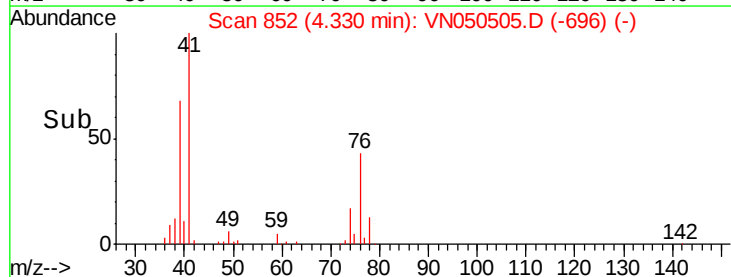
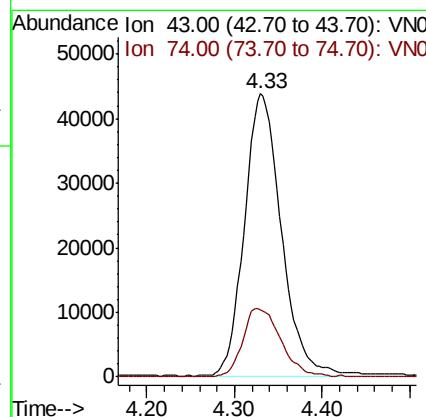
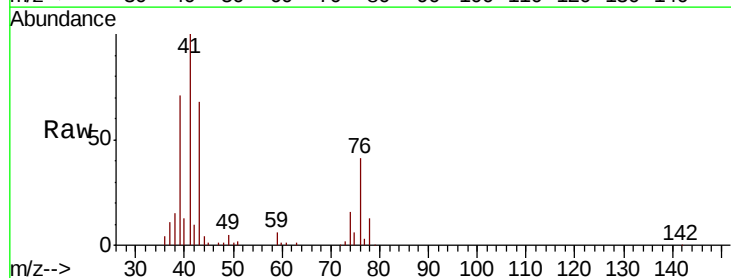
Manual Integrations
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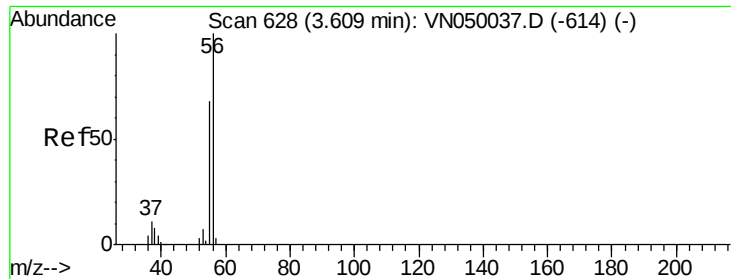
MMDadoda
8/10/2018 10:53:26 AM



#12
Methyl Acetate
Concen: 15.62 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9





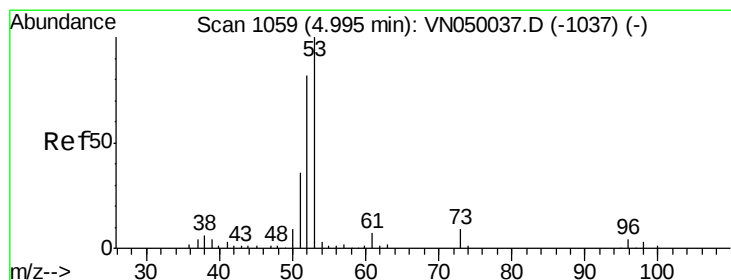
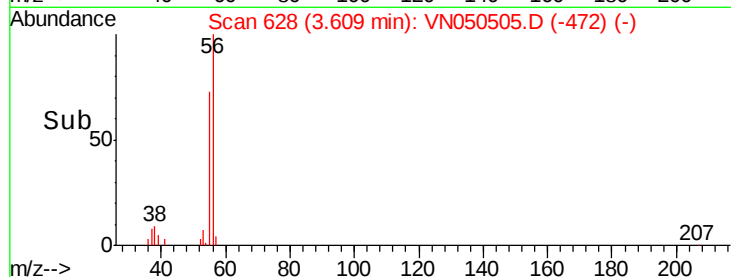
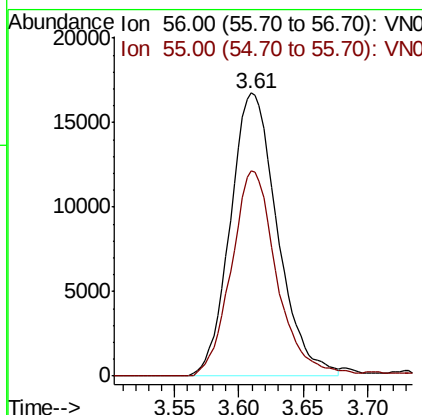
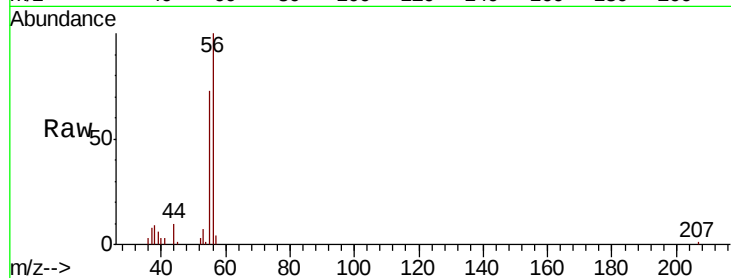
#13
Acrolein
Concen: 84.66 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.1	58.6	88.0	

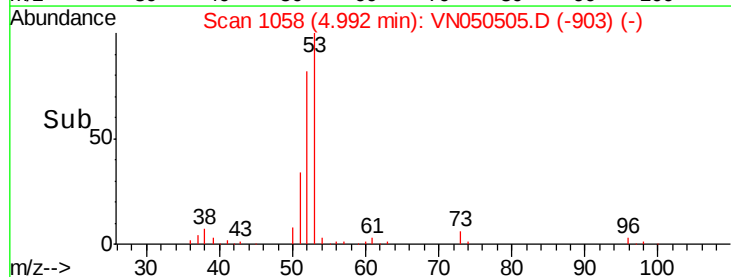
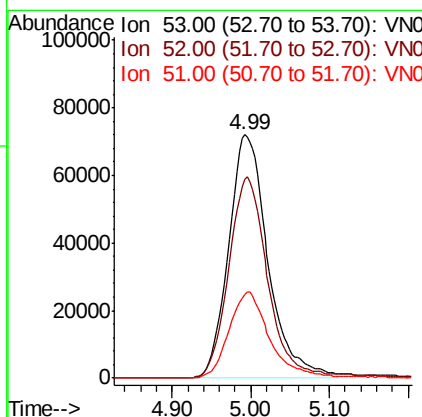
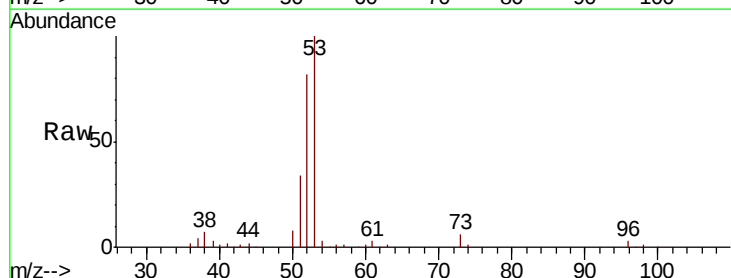
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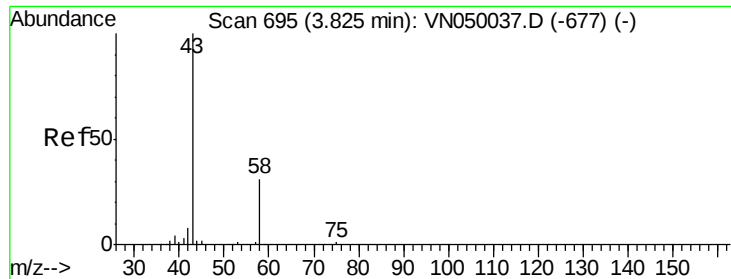
MMDadoda
8/10/2018 10:53:26 AM



#14
Acrylonitrile
Concen: 92.40 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.6	41.5	124.5	
51	36.3	18.7	56.1	





#15

Acetone

Concen: 102.48 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 74011

Ion Ratio Lower Upper

58 100

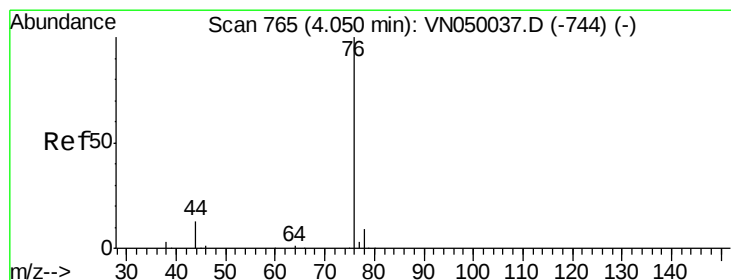
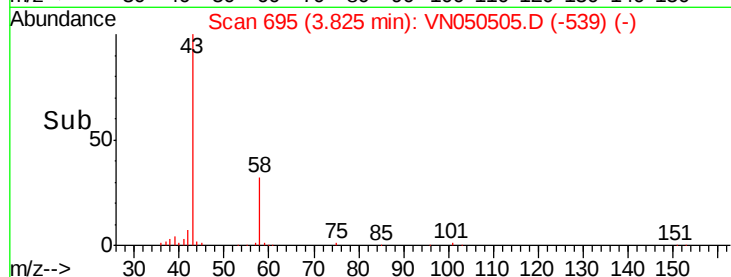
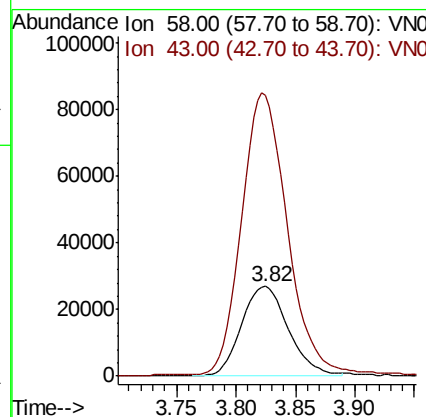
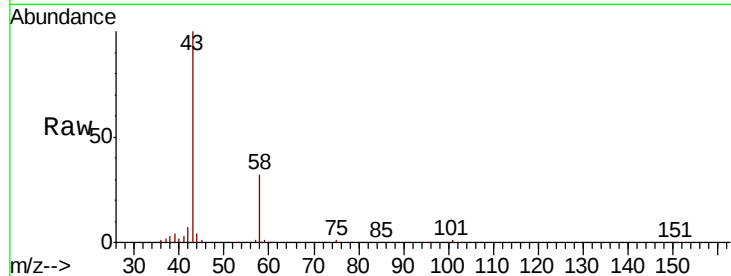
43 310.1 252.0 378.0

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#16

Carbon Disulfide

Concen: 18.17 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050505.D

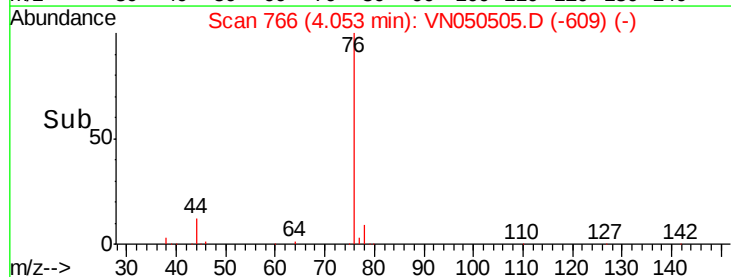
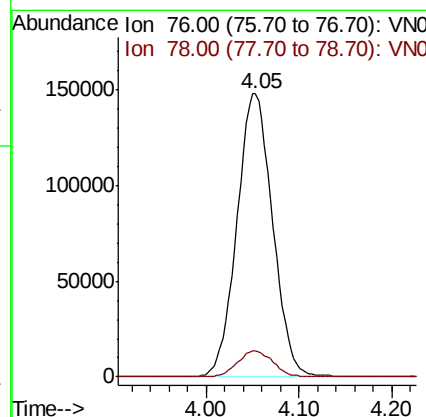
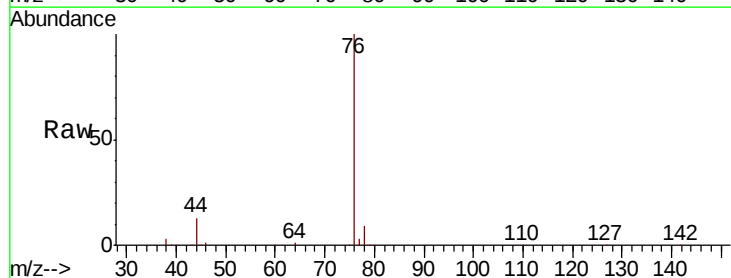
Acq: 10 Aug 2018 00:06

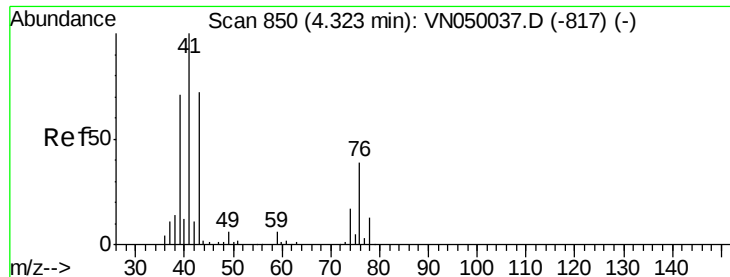
Tgt Ion: 76 Resp: 395433

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





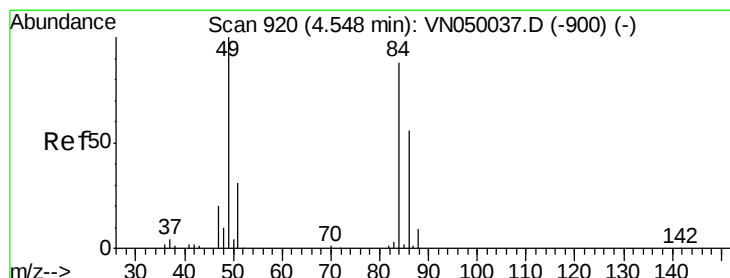
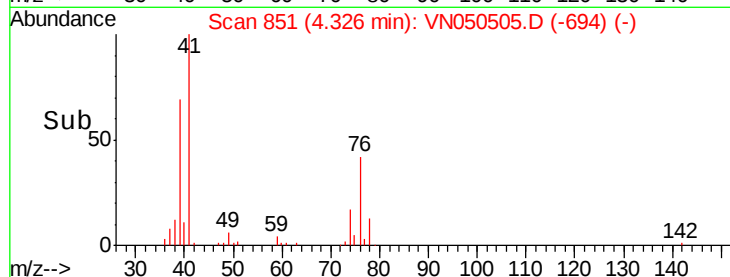
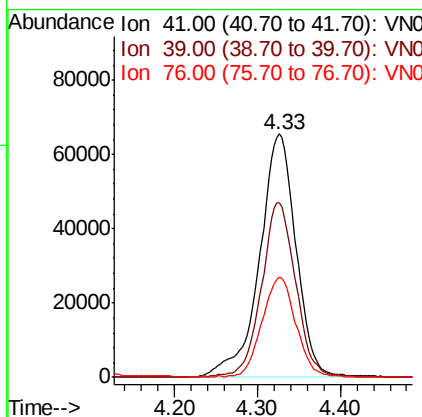
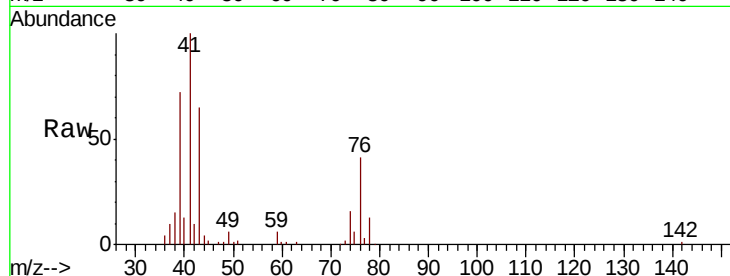
#17
Allvl chloride
Concen: 17.91 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.8	35.4	106.3
76	40.9	19.7	59.1

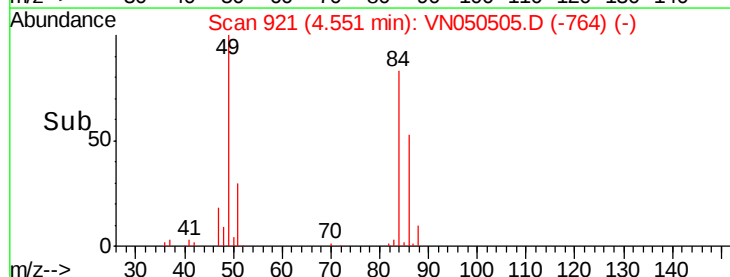
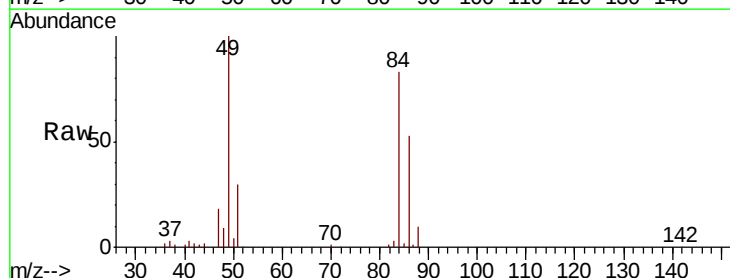
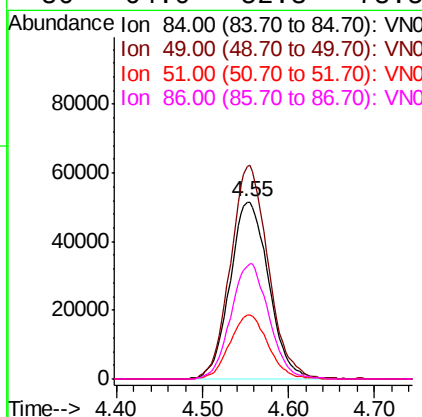
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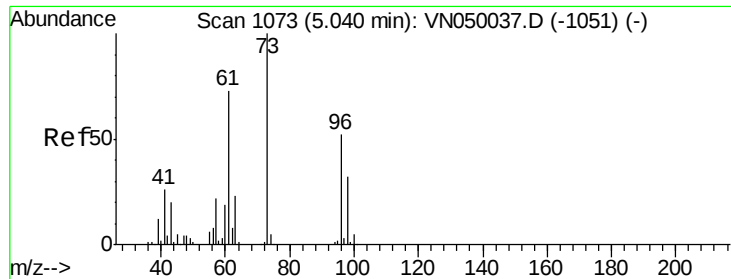
MMDadoda
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#18
Methylene Chloride
Concen: 19.70 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.0	95.1	142.7
51	36.5	28.8	43.2
86	64.0	52.3	78.5





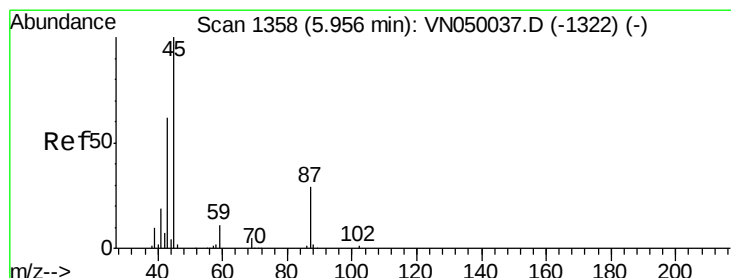
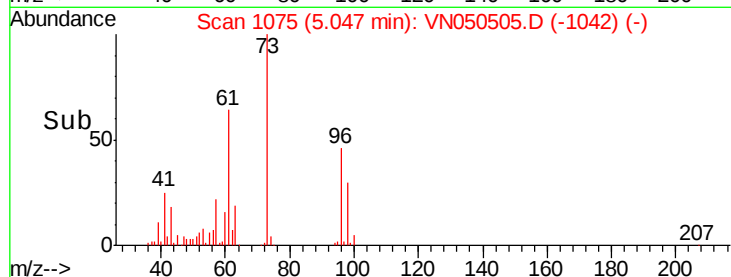
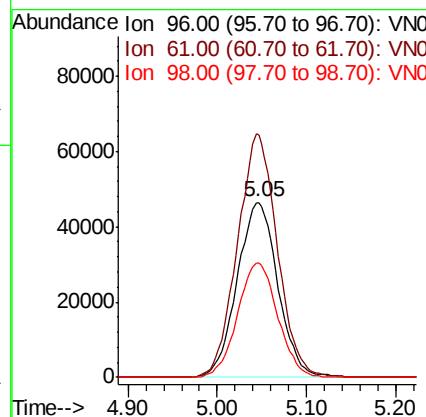
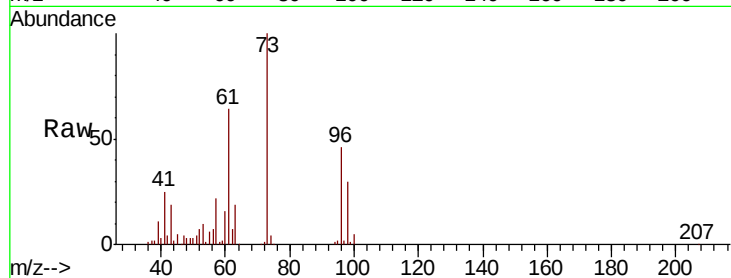
#19
trans-1,2-Dichloroethene
Concen: 19.30 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	112.1	168.1
98	65.5	51.3	76.9

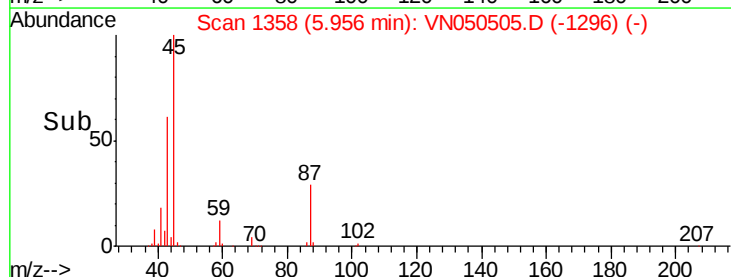
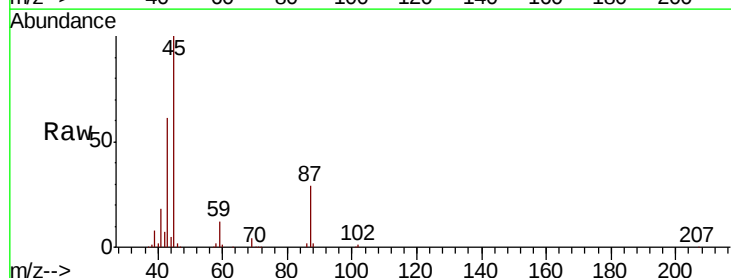
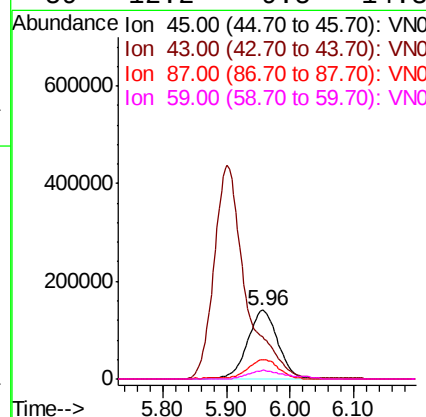
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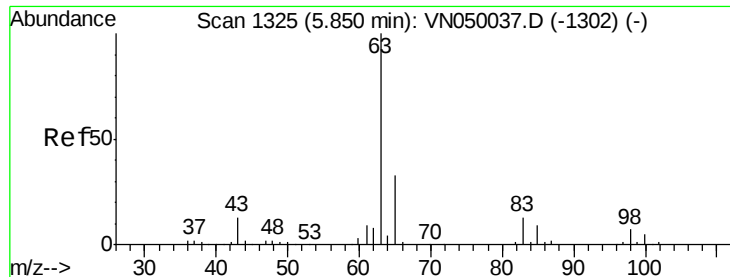
MMDadoda
8/10/2018 10:53:26 AM



#20
Diisopropyl ether
Concen: 20.36 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.6	70.0
87	28.7	22.3	33.5
59	12.2	9.5	14.3





#21

1,1-Dichloroethane

Concen: 19.54 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

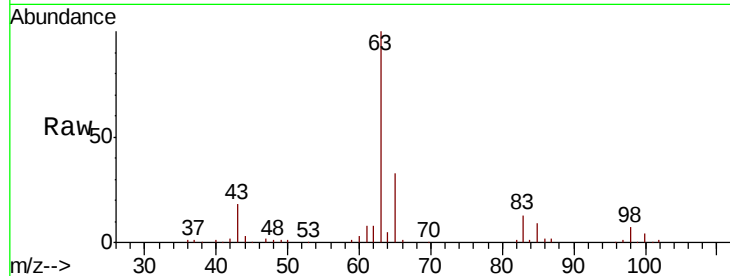
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	282916
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.5	10.6
100	3.9	2.3	6.8

Manual Integrations
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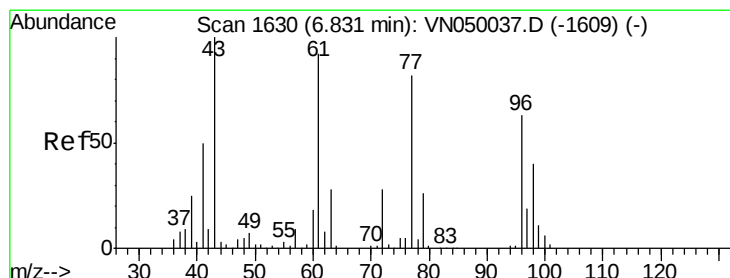
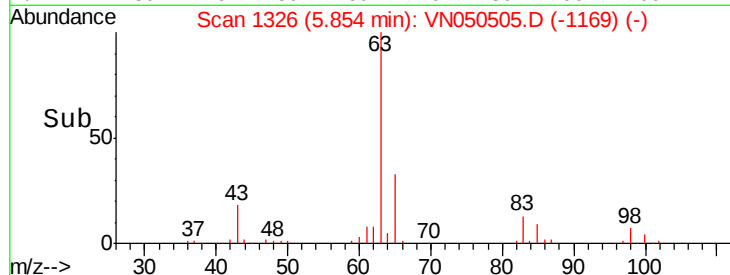
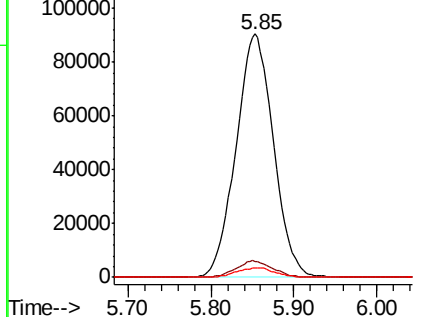
MMDadoda
8/10/2018 10:53:26 AM



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.90 ug/l

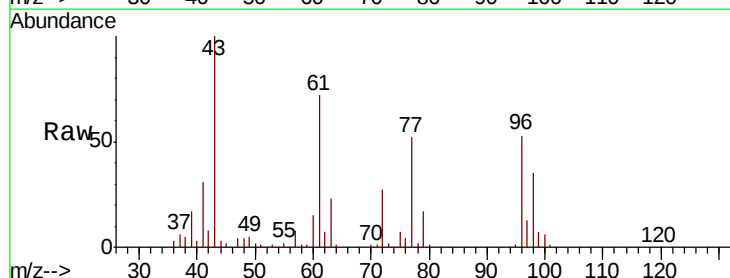
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

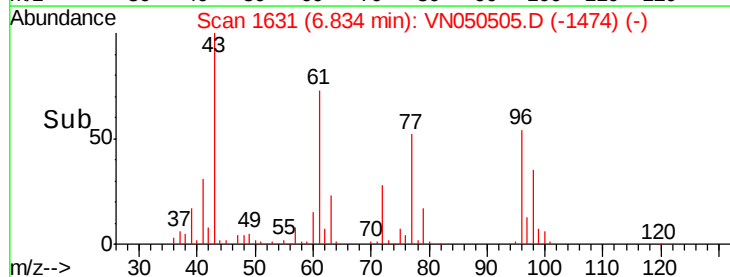
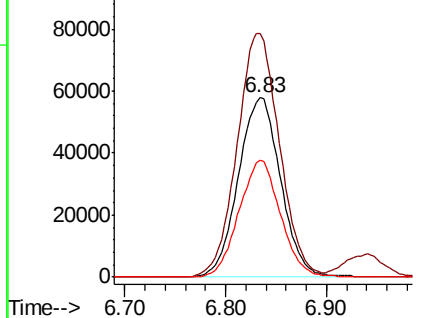
Tgt Ion:	96	Resp:	167979
Ion Ratio	Lower	Upper	
96	100		
61	136.1	114.2	171.2
98	63.9	51.7	77.5

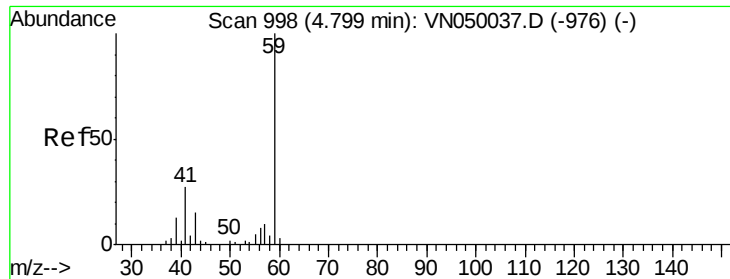


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





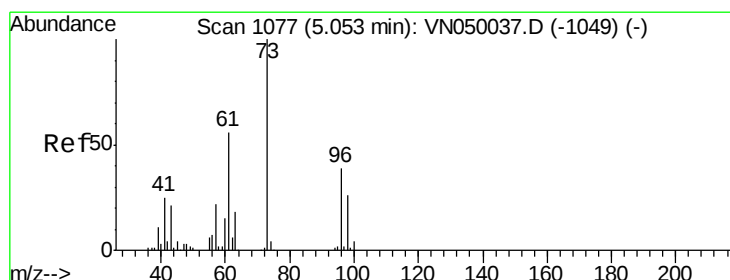
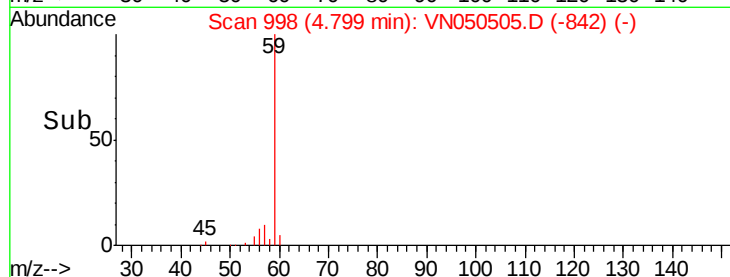
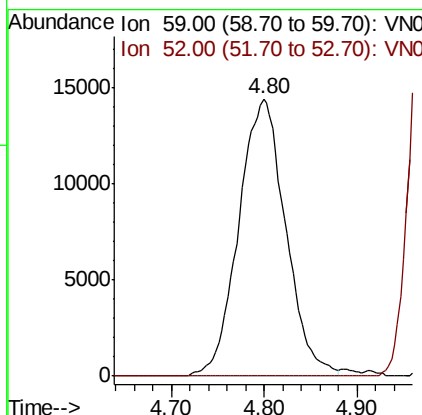
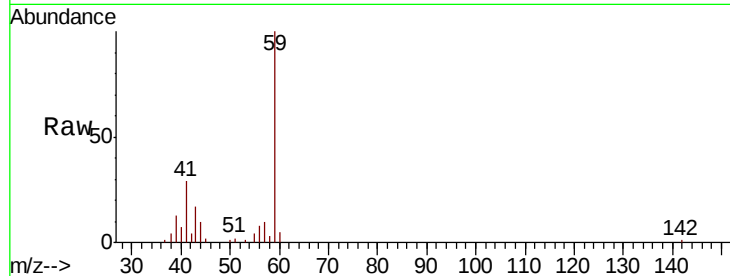
#23
 tert-Butyl Alcohol
 Concen: 83.52 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 50715
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

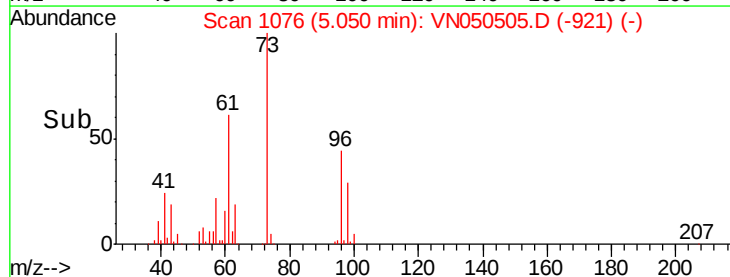
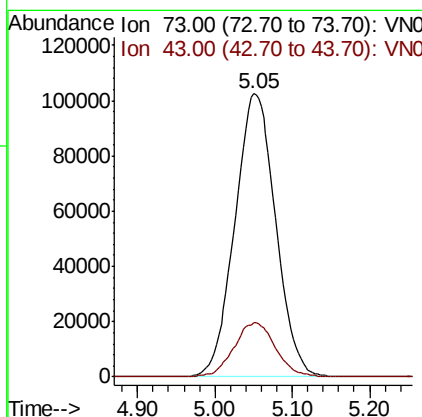
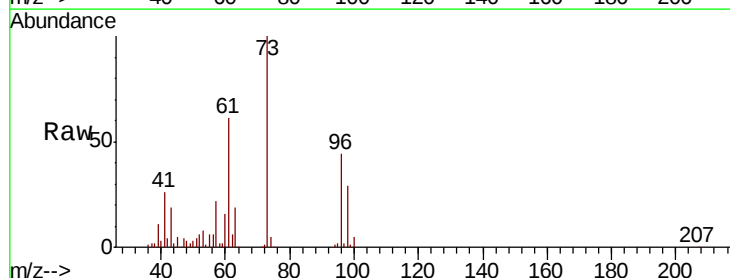
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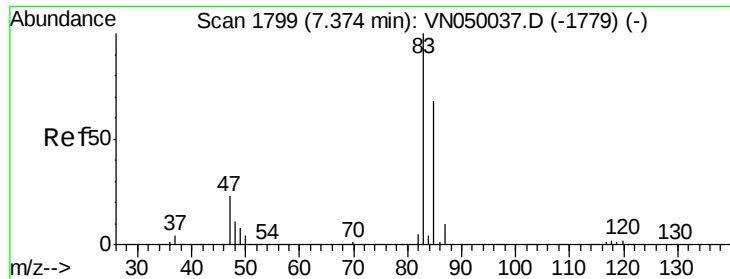
MMDadoda
 8/10/2018 10:53:26 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.39 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion: 73 Resp: 376043
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.5 23.3





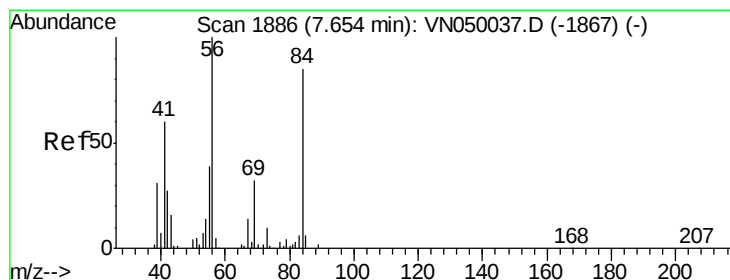
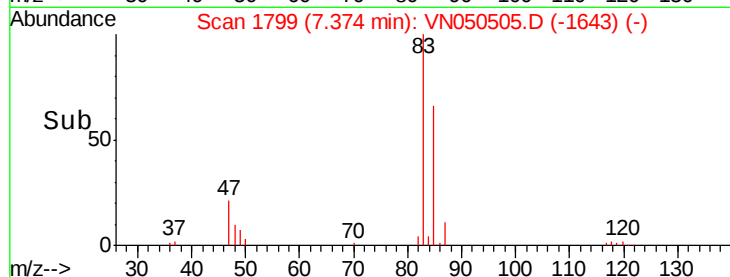
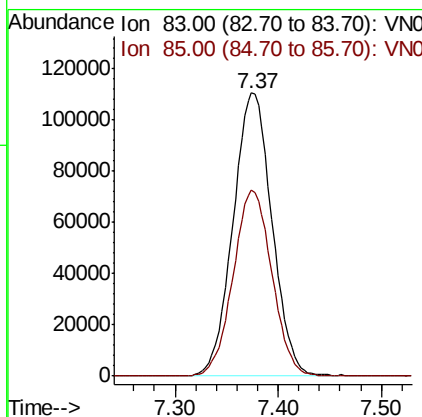
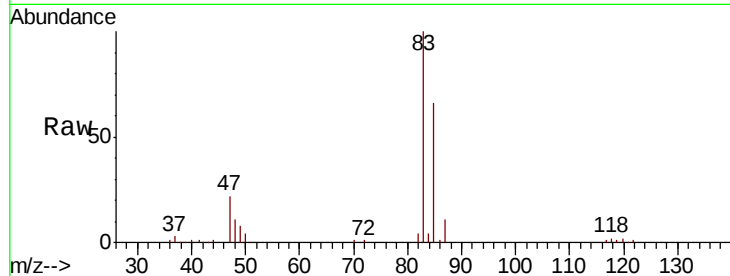
#25
Chloroform
Concen: 19.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	290479
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	52.1	78.1

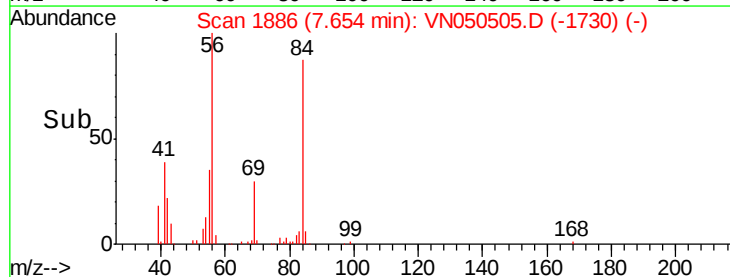
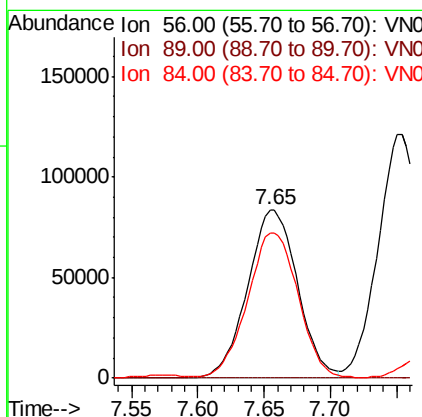
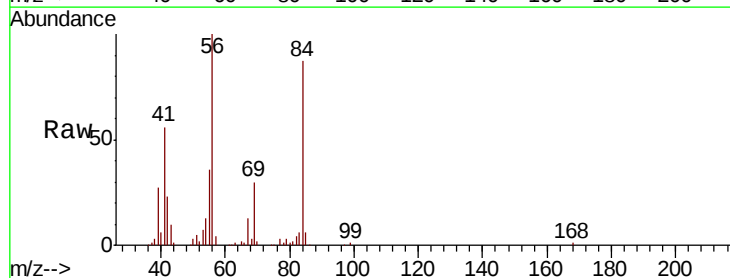
Manual Integrations
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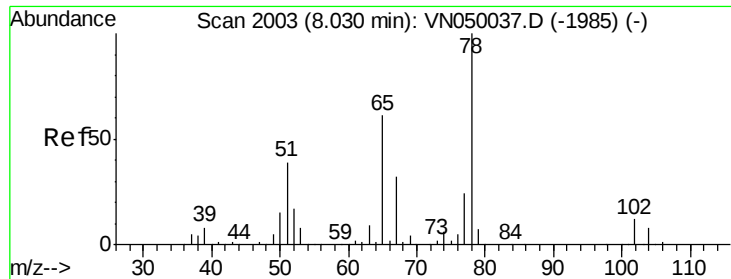
MMDadoda
8/10/2018 10:53:26 AM



#26
Cyclohexane
Concen: 19.06 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	56	Resp	219311
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	87.8	69.8	104.8





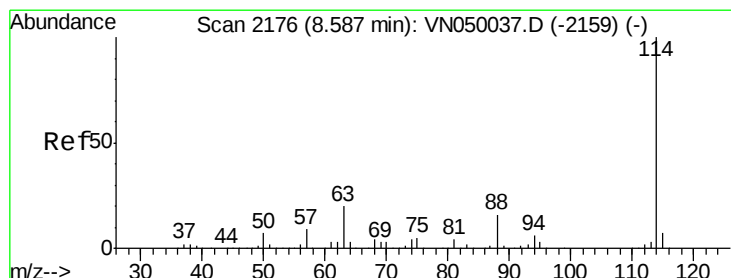
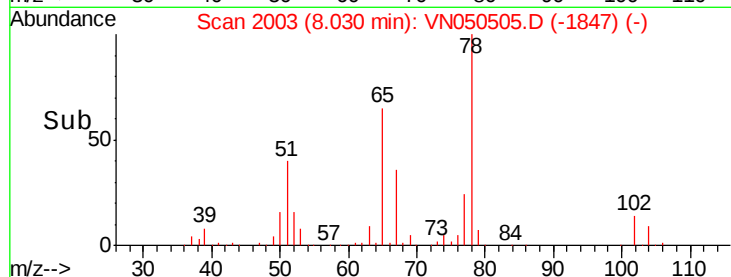
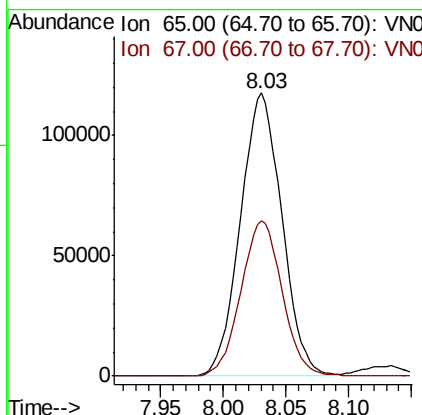
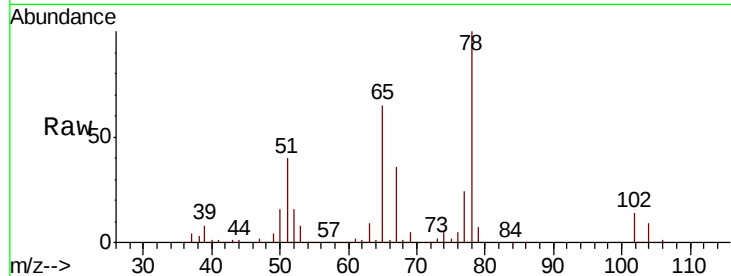
#27
 1,2-Dichloroethane-d4
 Concen: 29.93 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 271287
 Ion Ratio Lower Upper
 65 100
 67 54.6 42.7 64.1

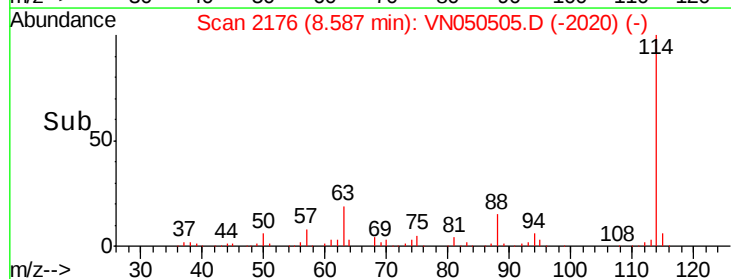
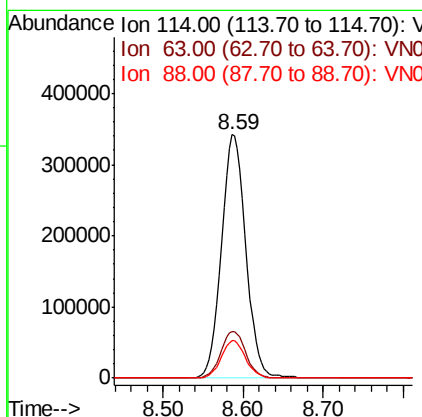
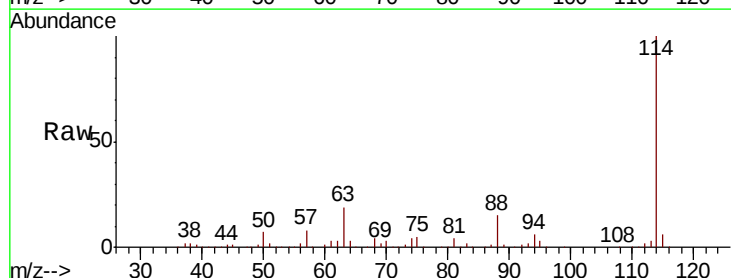
Manual Integrations
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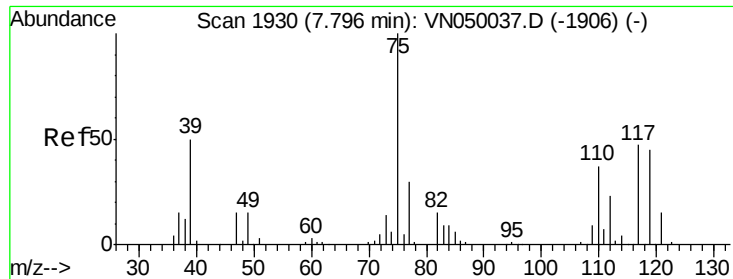
MMDadoda
 8/10/2018 10:53:26 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion: 114 Resp: 719124
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.2 12.3 18.5





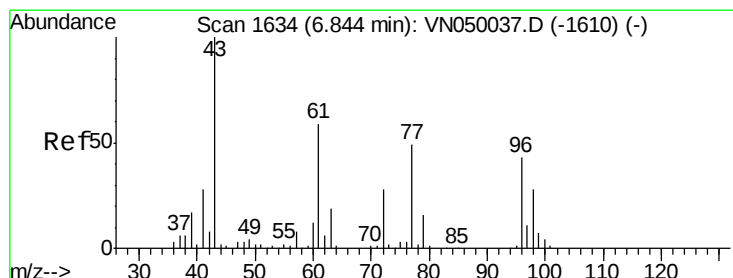
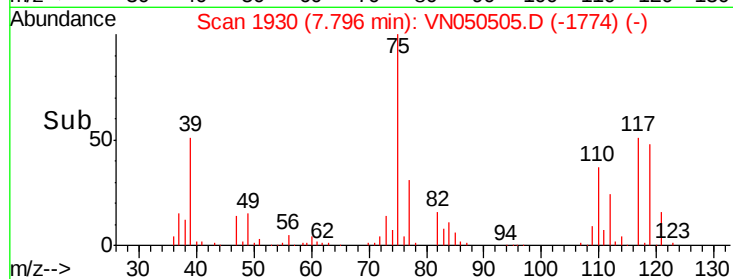
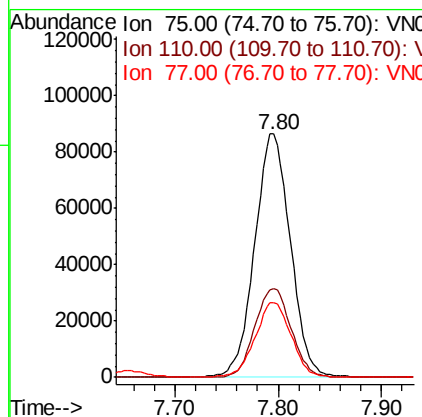
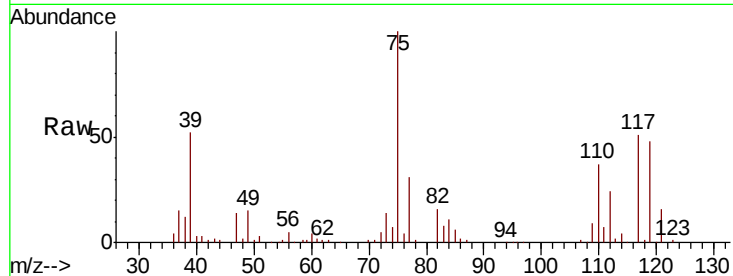
#29
 1,1-Dichloropropene
 Concen: 18.60 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.1	0.0	73.2
77	31.1	0.0	62.0

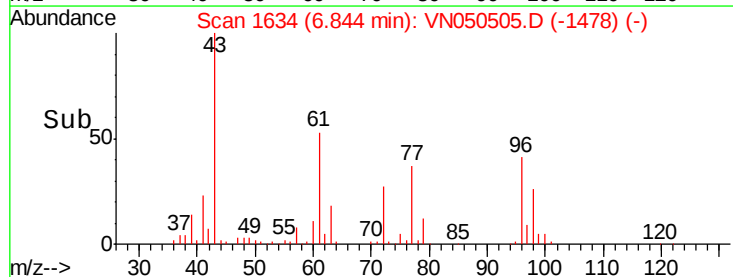
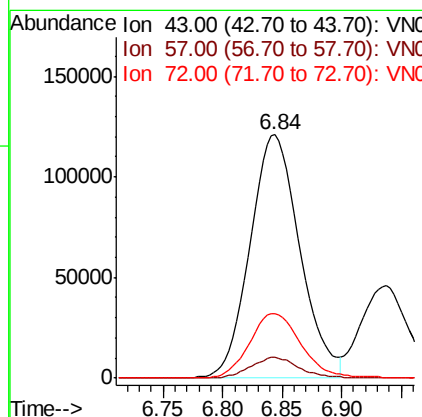
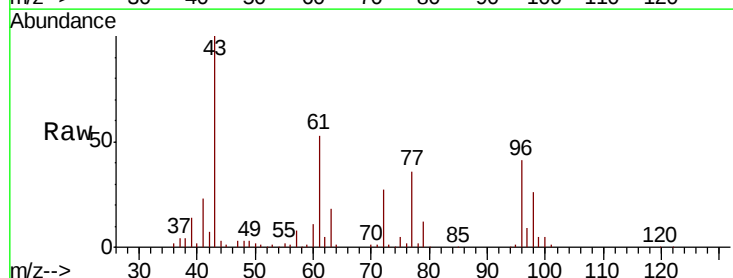
Manual Integrations
 APPROVED

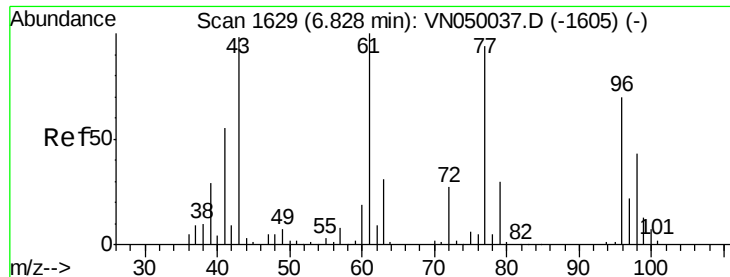
MMDadoda
 8/10/2018 10:53:26 AM



#30
 2-Butanone
 Concen: 99.83 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.8	10.2
72	27.5	21.4	32.0





#31

2,2-Dichloropropane

Concen: 14.61 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 180186

Ion Ratio Lower Upper

77 100

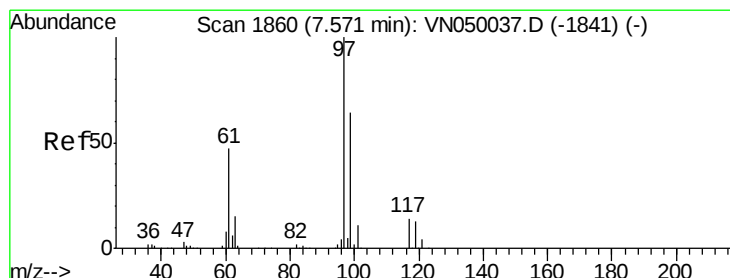
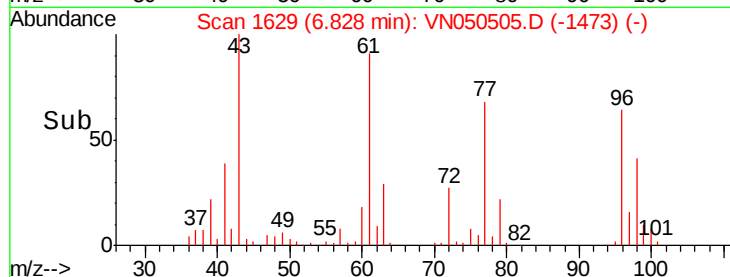
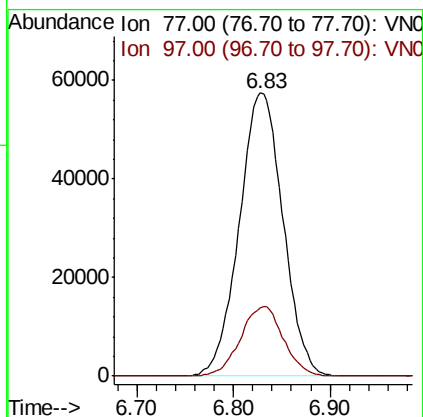
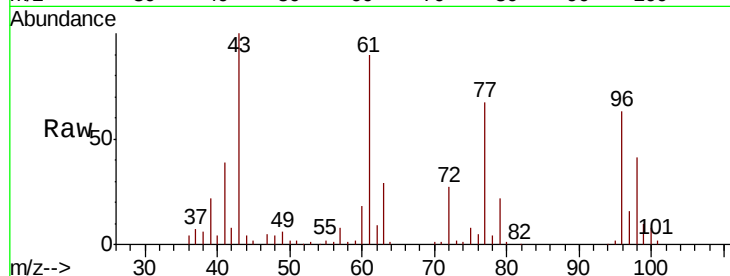
97 24.1 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:53:26 AM



#32

1,1,1-Trichloroethane

Concen: 18.76 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

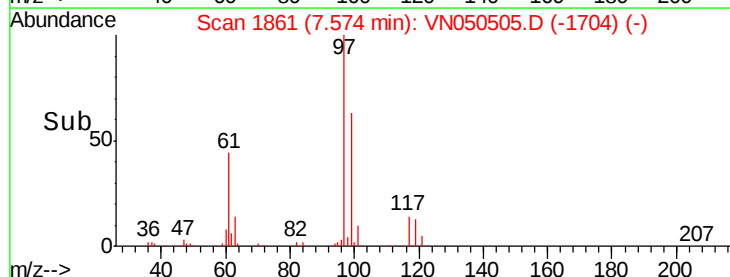
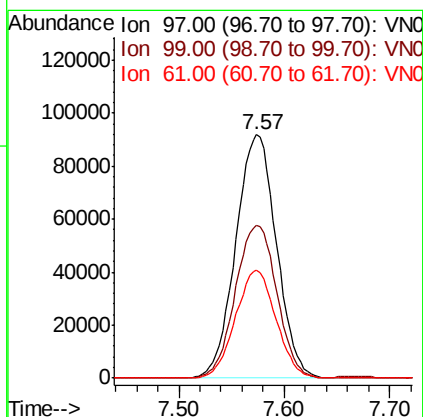
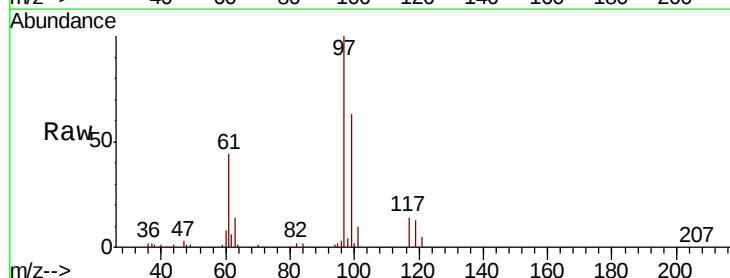
Tgt Ion: 97 Resp: 246454

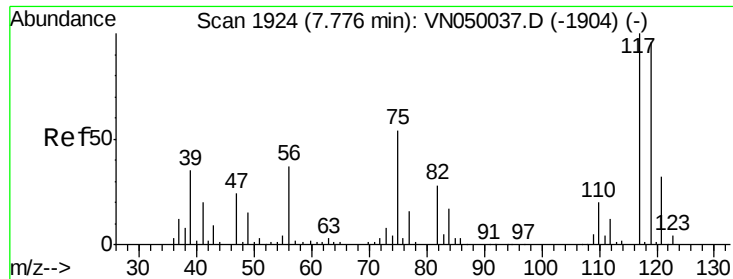
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 44.3 35.3 52.9





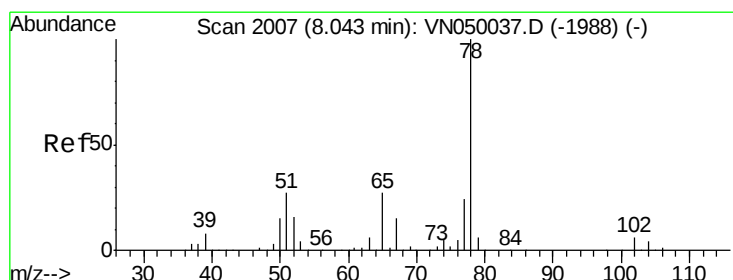
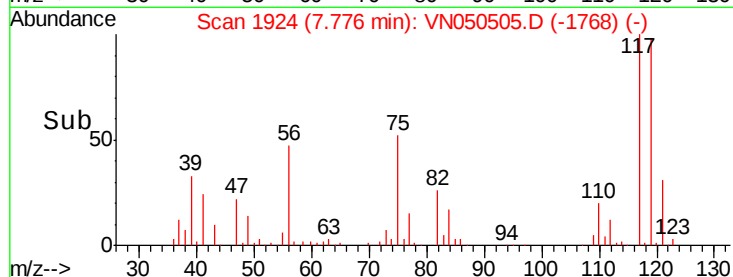
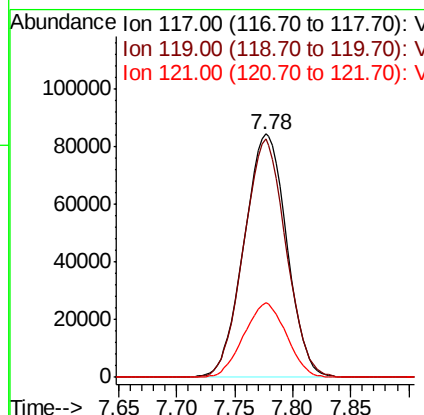
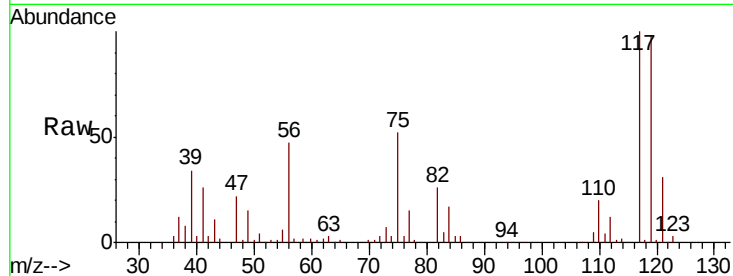
#33
Carbon Tetrachloride
Concen: 18.46 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	216166		
119	97.8	76.9	115.3	
121	30.6	24.4	36.6	

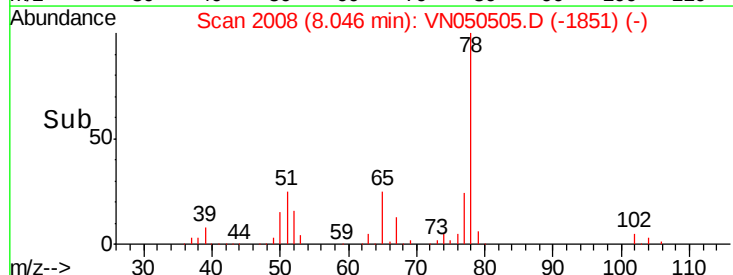
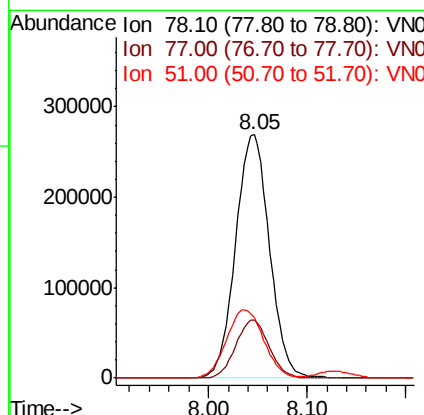
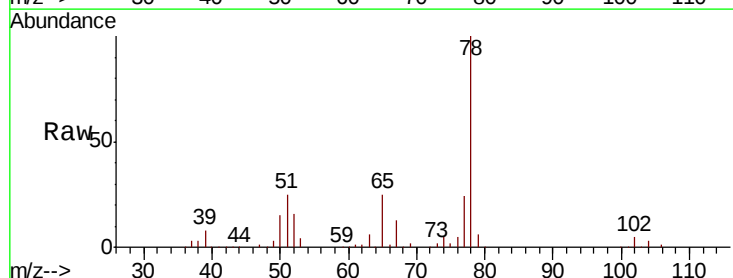
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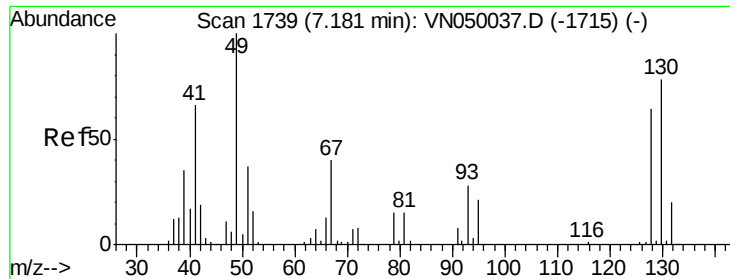
MMDadoda
8/10/2018 10:53:26 AM



#34
Benzene
Concen: 18.93 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	641543		
77	23.7	19.1	28.7	
51	24.7	21.0	31.4	





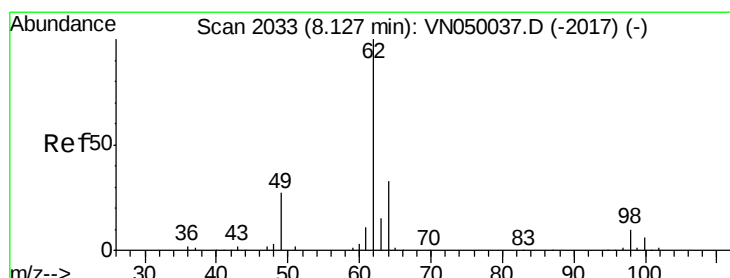
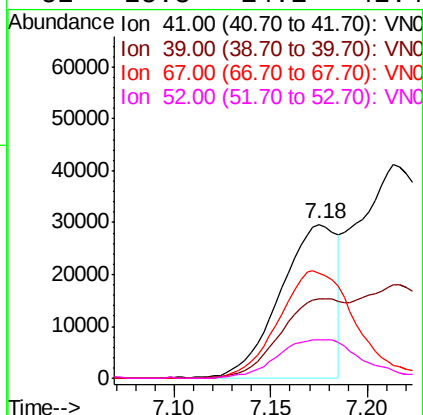
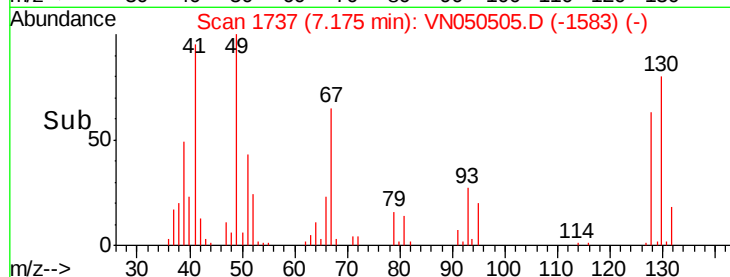
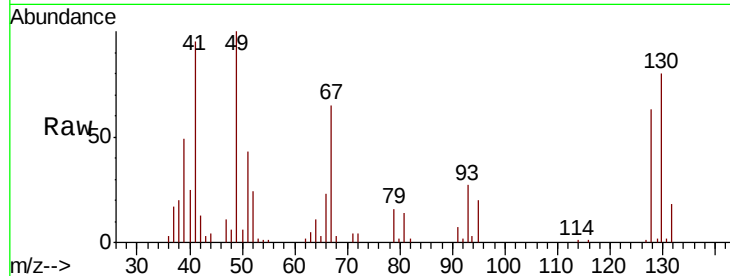
#35
Methacrylonitrile
Concen: 15.21 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	27.6	82.7	
67	67.9	35.1	105.5	
52	25.3	14.1	42.4	

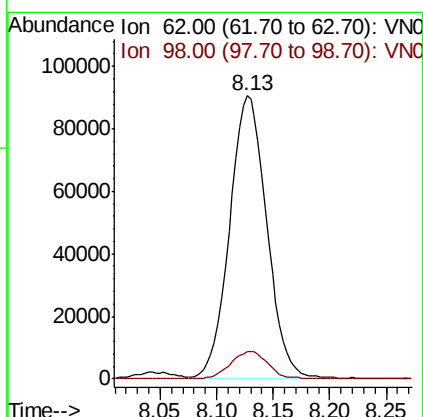
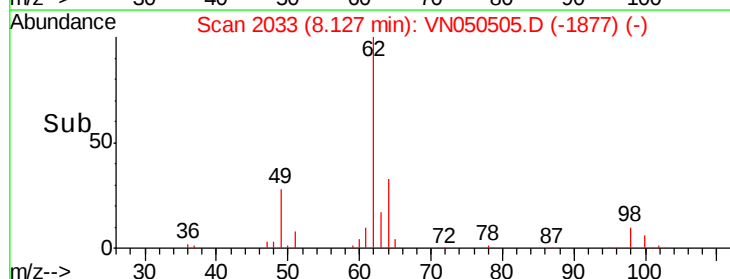
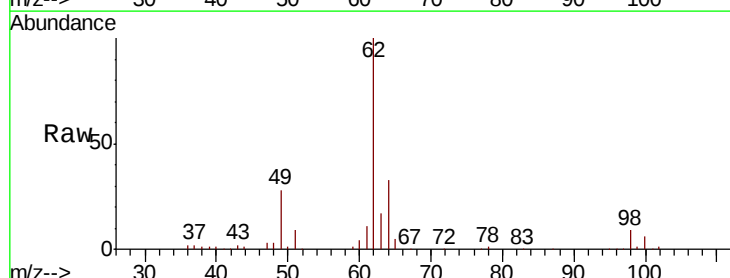
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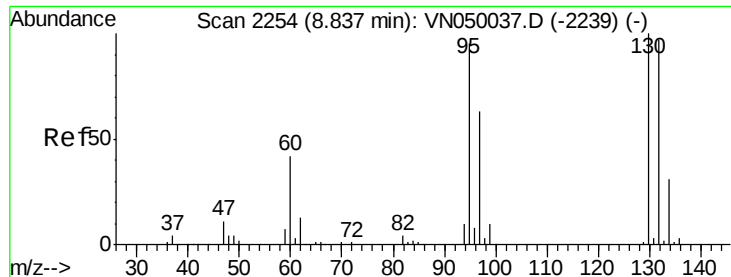
MMDadoda
8/10/2018 10:53:26 AM



#36
1,2-Dichloroethane
Concen: 18.40 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	7.8	11.6	





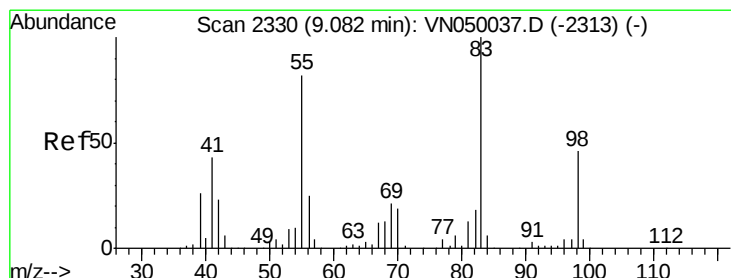
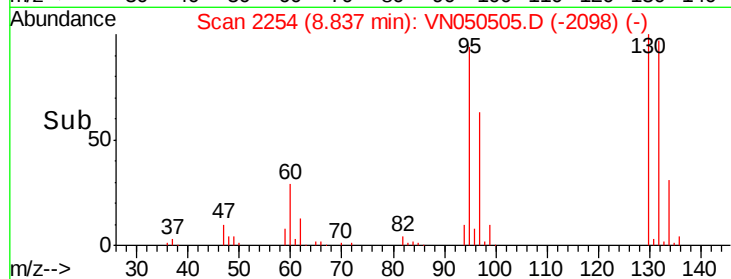
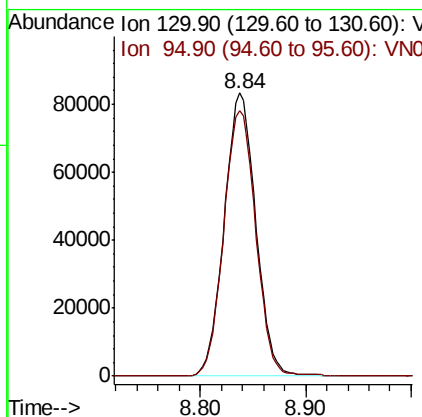
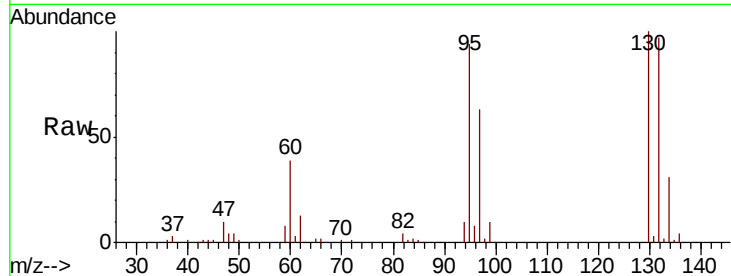
#37
 Trichloroethene
 Concen: 19.43 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 172694
 Ion Ratio Lower Upper
 130 100
 95 93.8 79.7 119.5

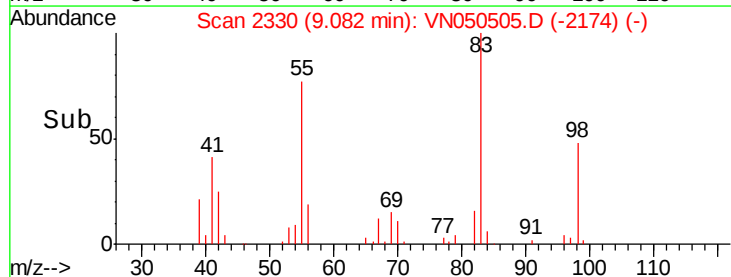
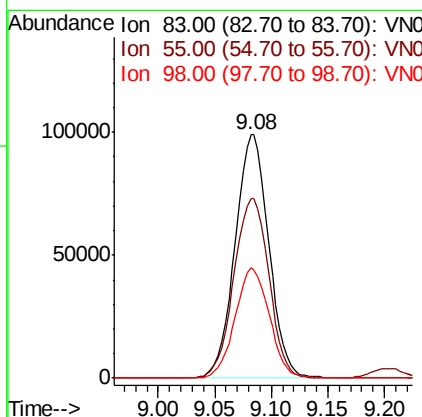
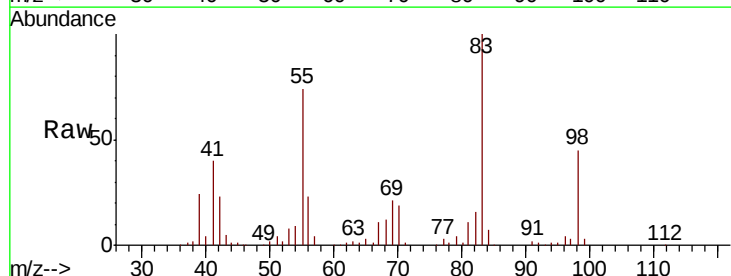
Manual Integrations
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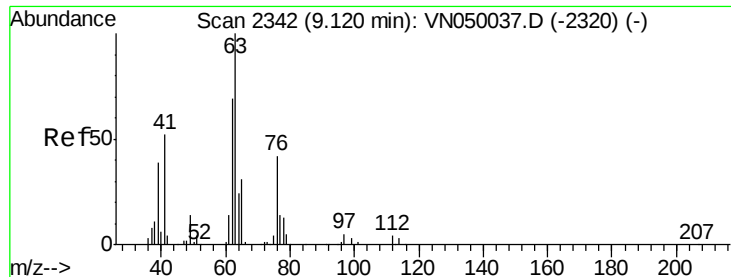
MMDadoda
 8/10/2018 10:53:26 AM



#38
 Methylcyclohexane
 Concen: 17.50 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion: 83 Resp: 205901
 Ion Ratio Lower Upper
 83 100
 55 76.7 39.3 117.8
 98 45.9 23.0 69.0





#39

1,2-Dichloropropane

Concen: 18.99 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 169590

Ion Ratio Lower Upper

63 100

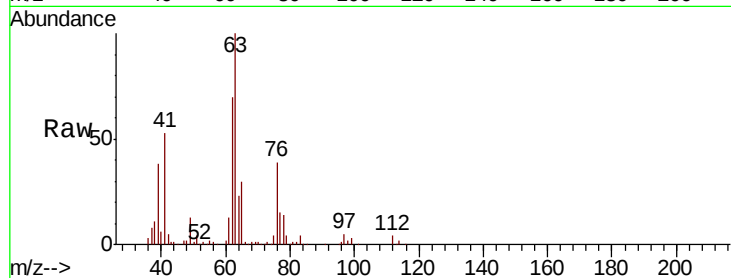
65 30.1 24.2 36.2

Manual Integrations

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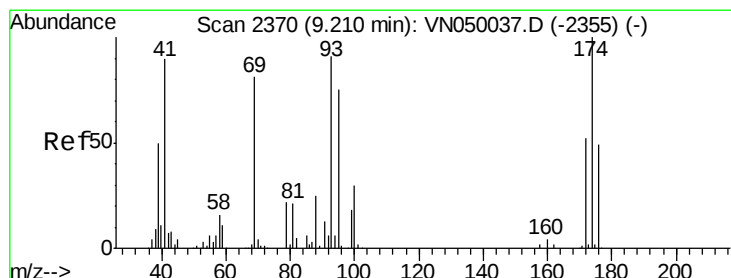
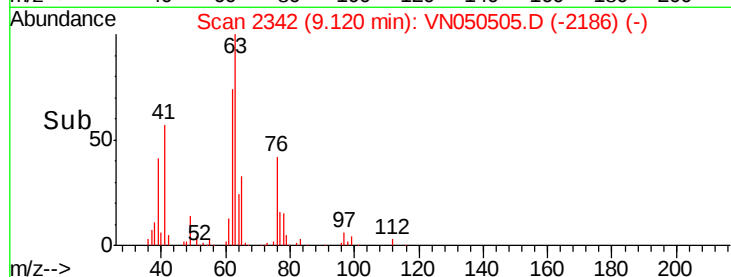
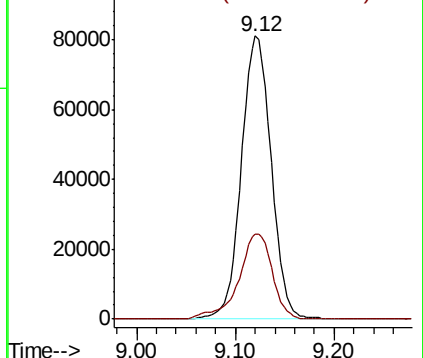
MMDadoda

8/10/2018 10:53:26 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.57 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

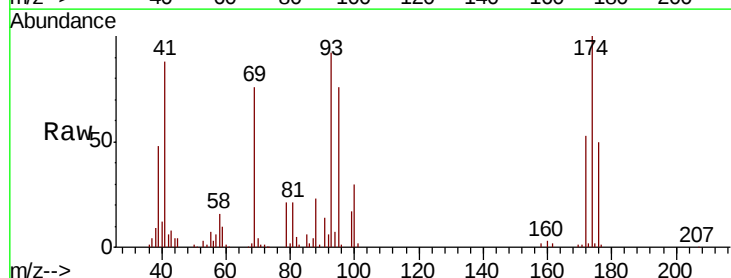
Tgt Ion: 93 Resp: 102456

Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

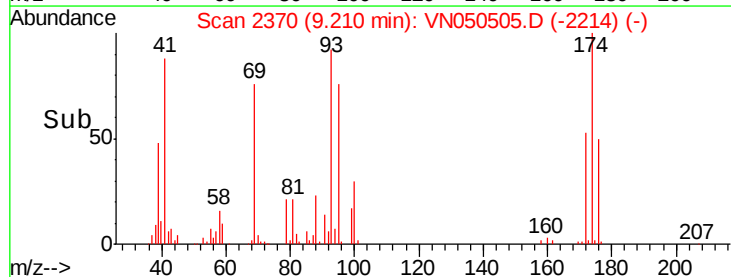
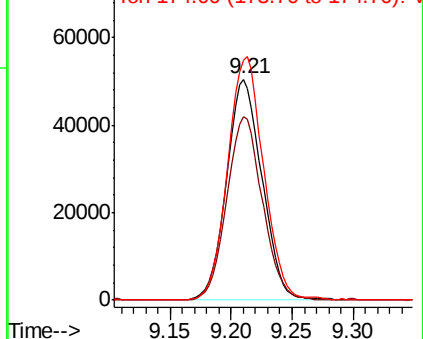
174 111.8 0.0 223.2

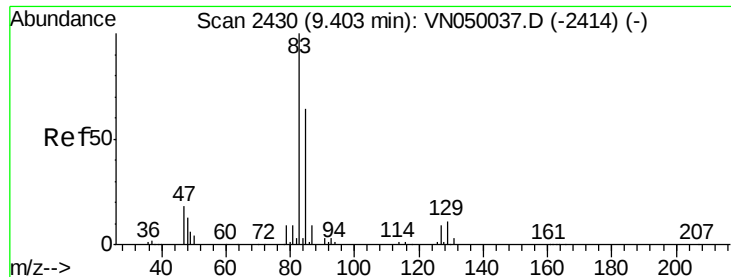


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





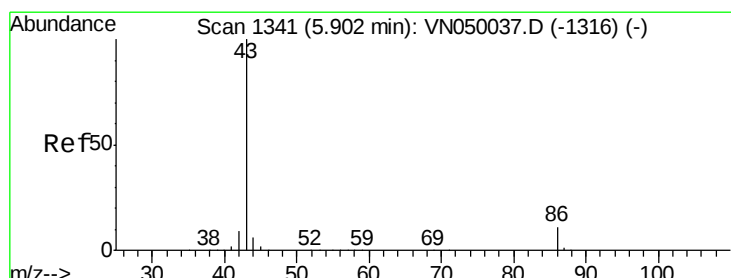
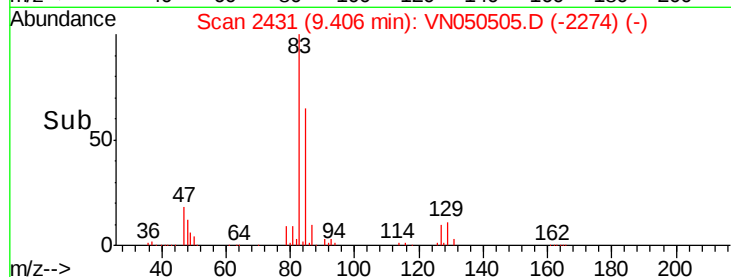
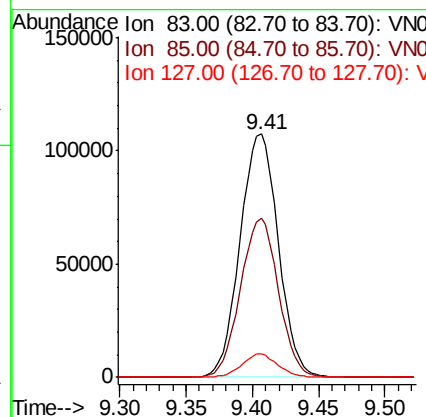
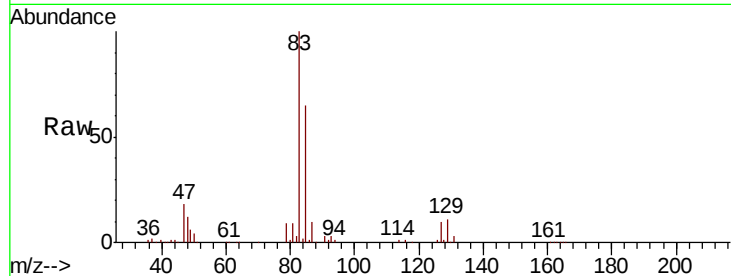
#41
Bromodichloromethane
Concen: 18.53 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	78.8
127	9.6	7.0	10.4

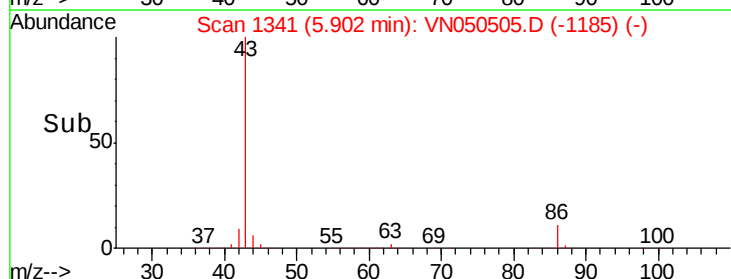
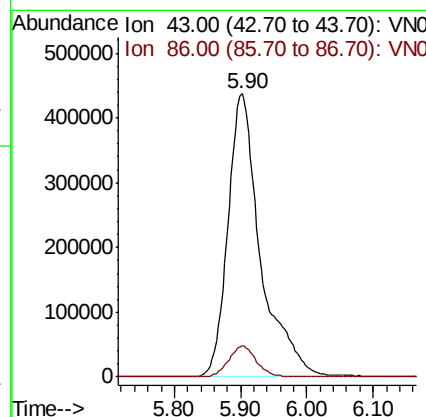
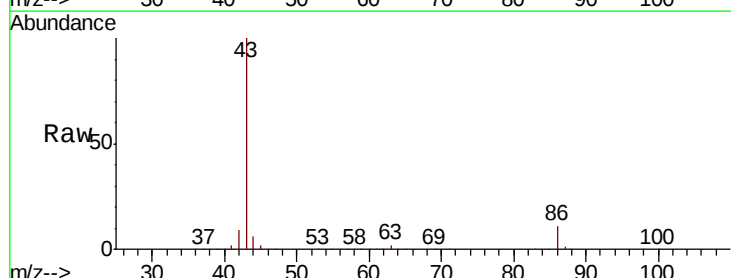
Manual Integrations
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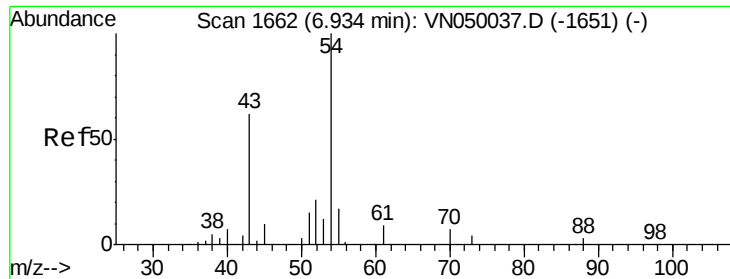
MMDadoda
8/10/2018 10:53:26 AM



#42
Vinyl Acetate
Concen: 90.74 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.3	10.9





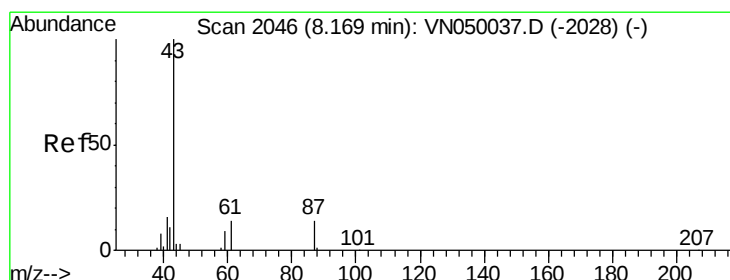
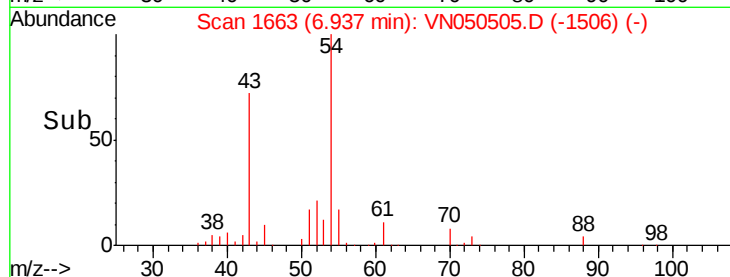
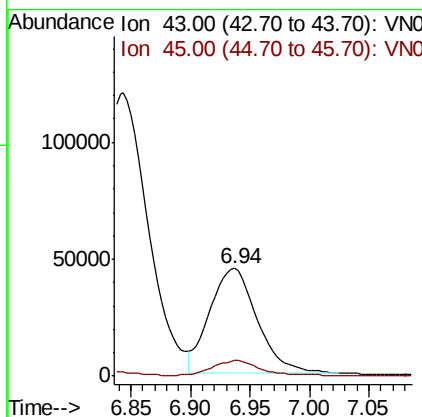
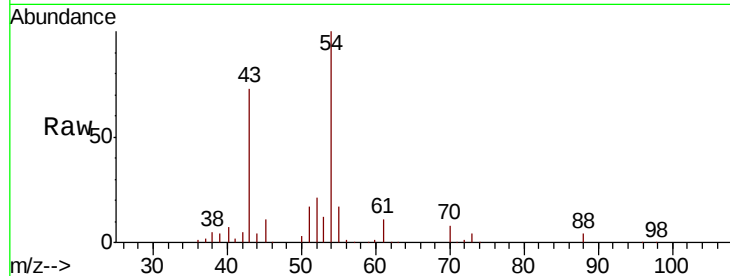
#43
Ethyl Acetate
Concen: 17.03 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion: 43 Resp: 124567
Ion Ratio Lower Upper
43 100
45 14.5 13.0 19.6

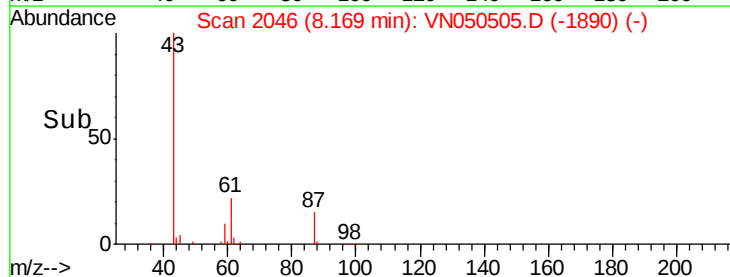
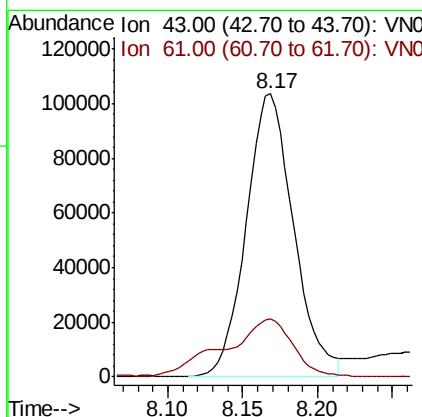
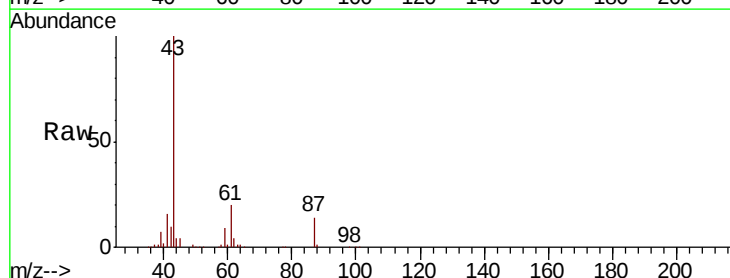
Manual Integrations
APPROVED

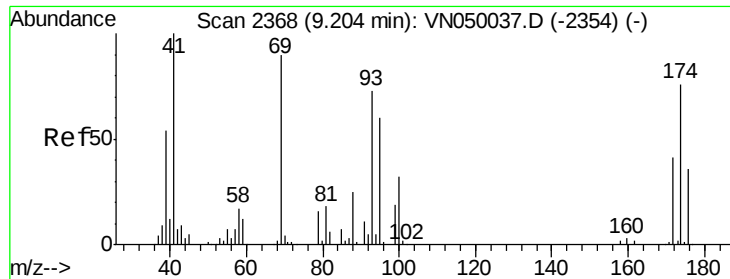
MMDadoda
8/10/2018 10:53:26 AM



#44
Isopropyl Acetate
Concen: 16.80 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion: 43 Resp: 227569
Ion Ratio Lower Upper
43 100
61 29.0 16.4 24.6#





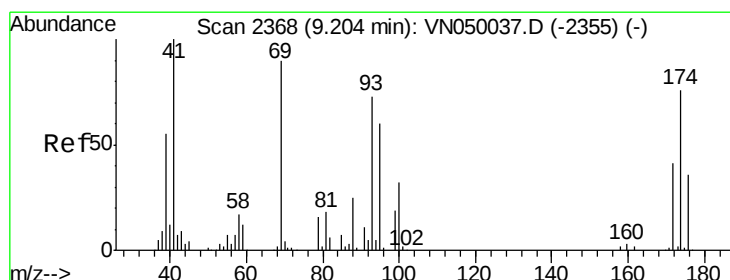
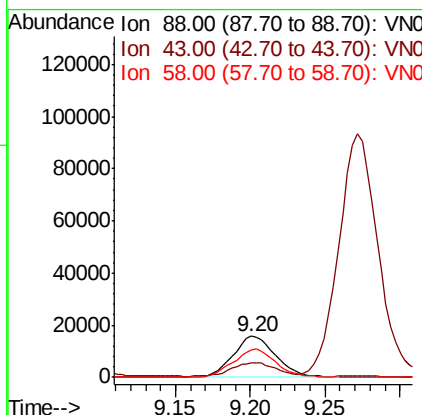
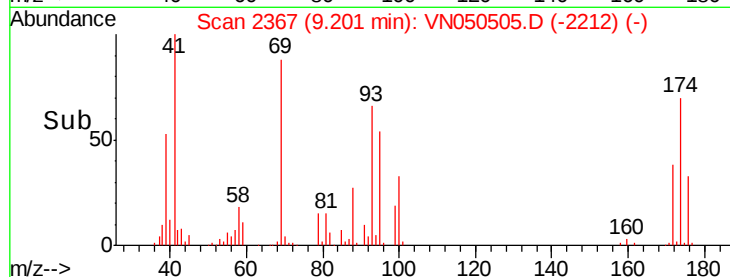
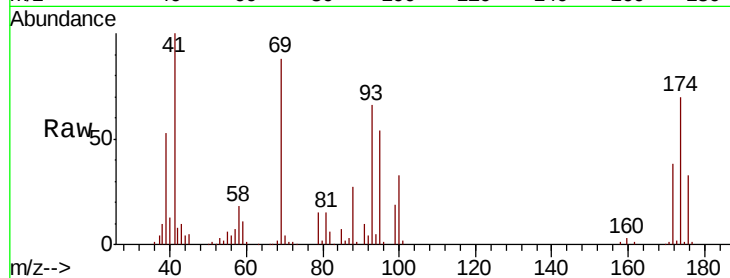
#45
1,4-Dioxane
Concen: 353.42 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	68.1	53.6	80.4

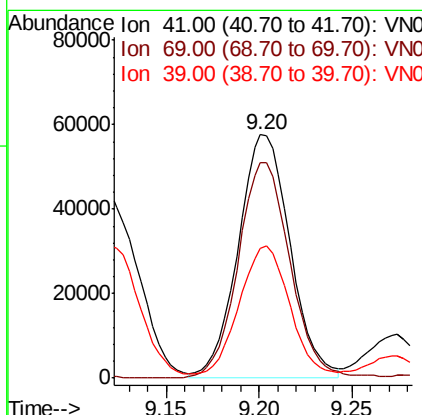
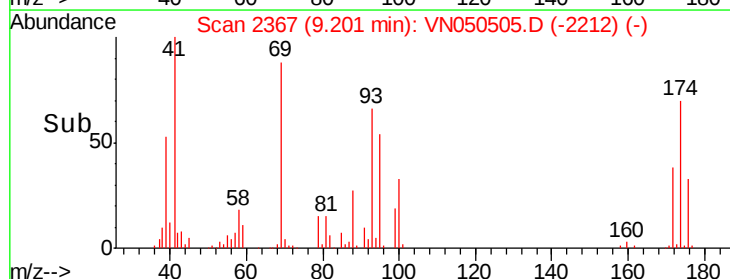
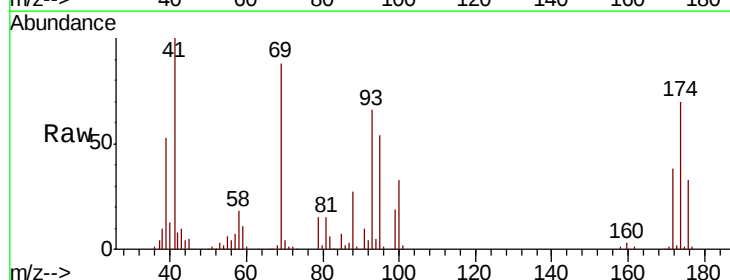
Manual Integrations
APPROVED

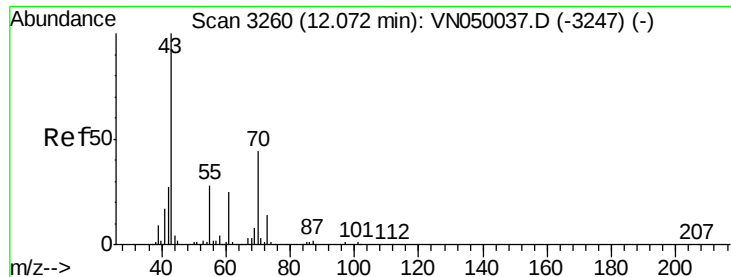
MMDadoda
8/10/2018 10:53:26 AM



#46
Methyl methacrylate
Concen: 16.99 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	44.0	132.1
39	52.6	27.0	80.8





#47

n-amvl Acetate

Concen: 17.14 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 180689

Ion Ratio Lower Upper

43 100

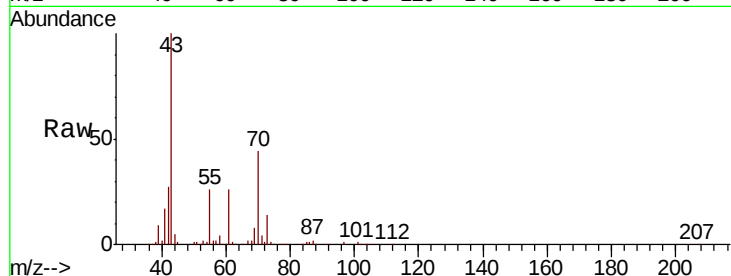
55 26.2 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:53:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

100000

80000

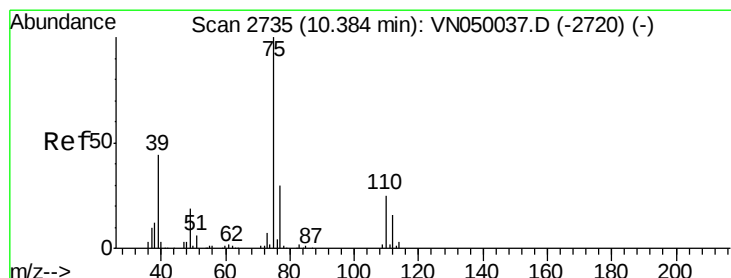
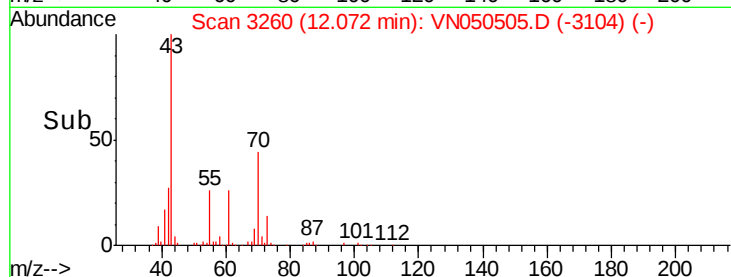
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.50 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050505.D

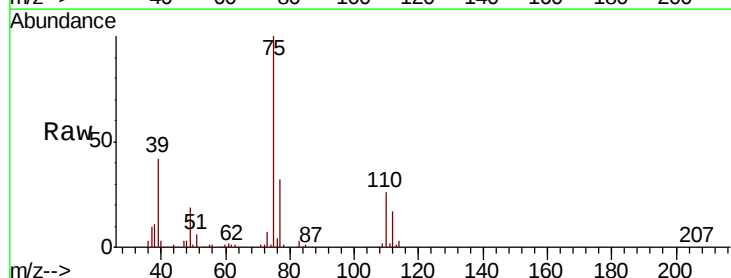
Acq: 10 Aug 2018 00:06

Tgt Ion: 75 Resp: 194171

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

120000

100000

80000

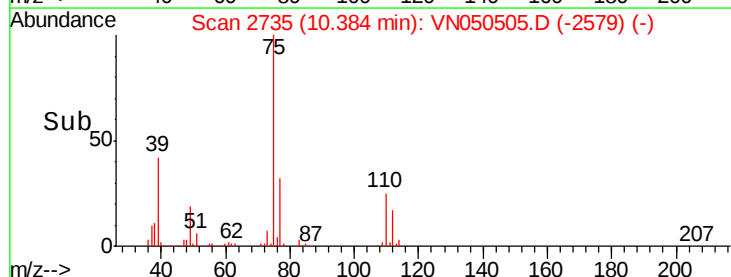
60000

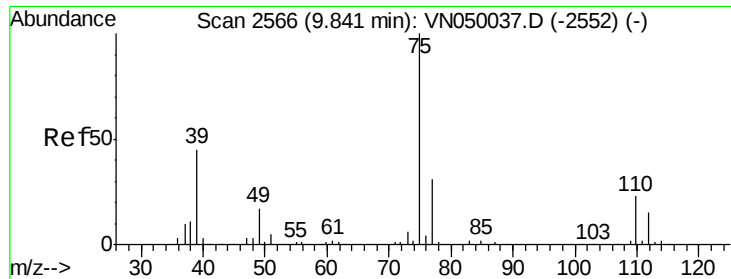
40000

20000

0

Time-->





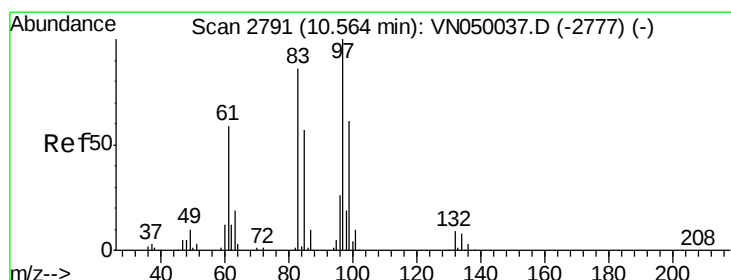
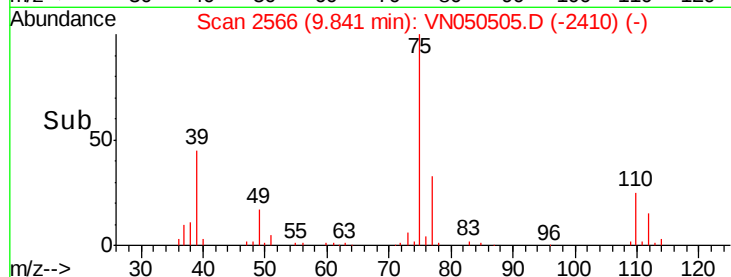
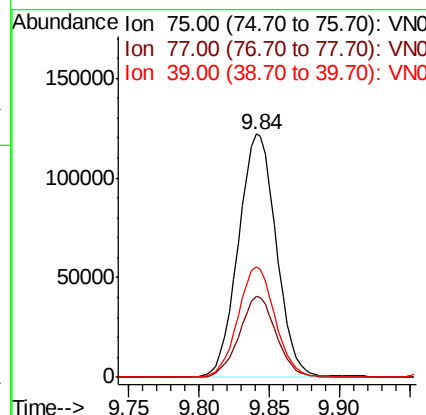
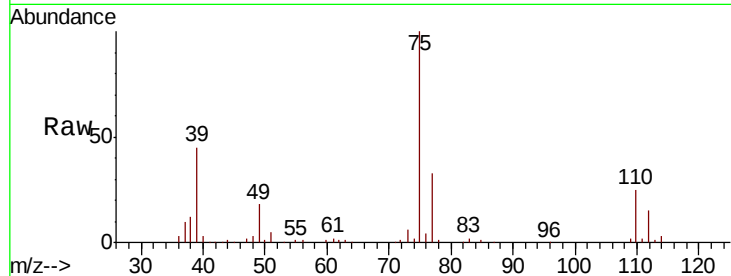
#49
 cis-1,3-Dichloropropene
 Concen: 17.63 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.7	38.5
39	45.2	36.3	54.5

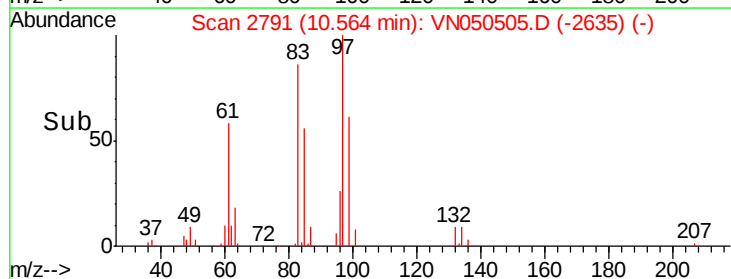
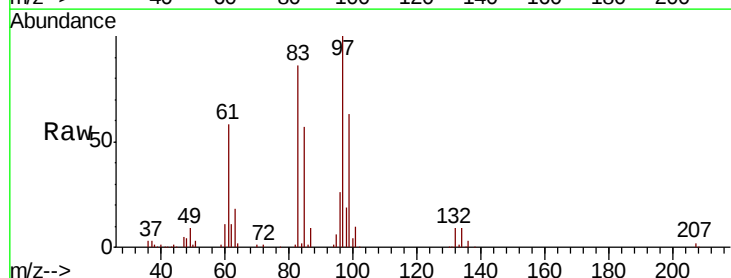
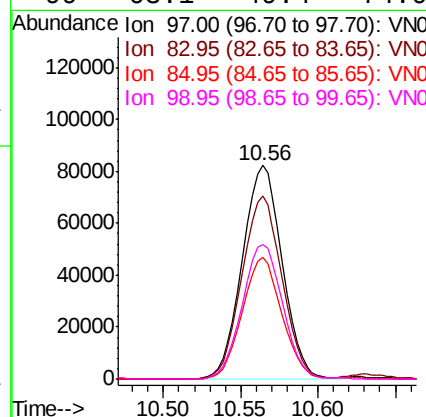
Manual Integrations
 APPROVED

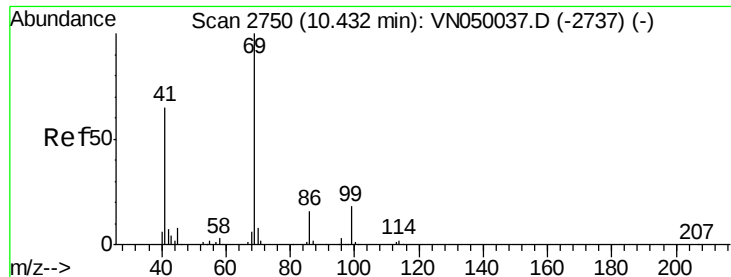
MMDadoda
 8/10/2018 10:53:26 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.68 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	56.8	45.4	68.2
99	63.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.55 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

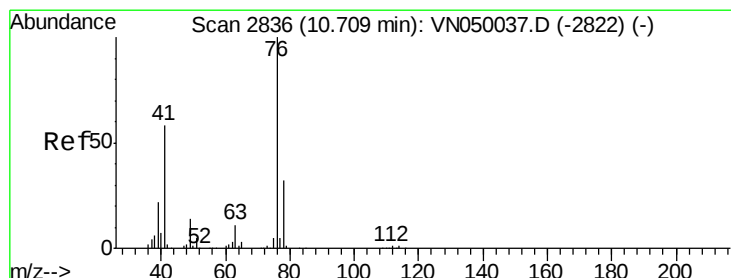
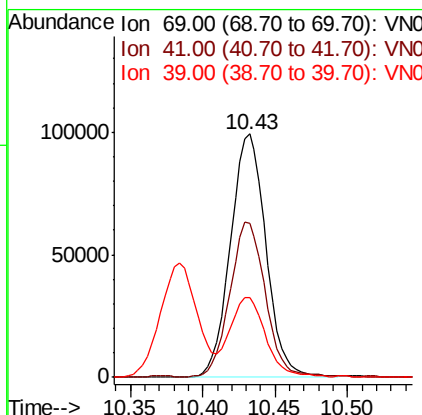
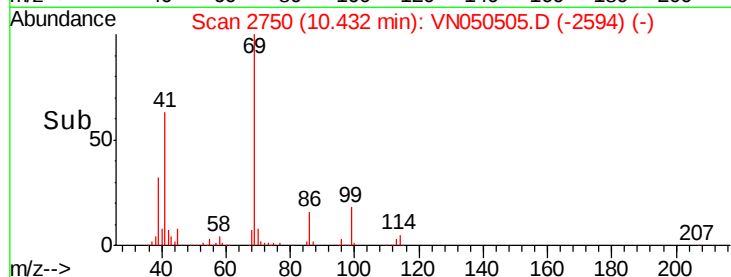
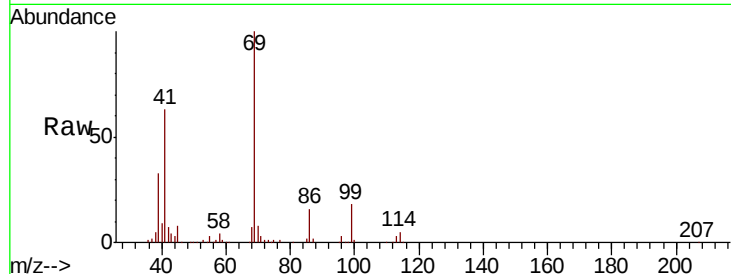
ClientSampled :

VSTDCCC020EC

Tot Ion:	69	Resp:	168734
Ion Ratio	Lower	Upper	
69	100		
41	63.1	31.9	95.9
39	32.0	16.7	50.1

Manual Integrations
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MMDadoda
8/10/2018 10:53:26 AM



#52

1,3-Dichloropropane

Concen: 18.59 ug/l

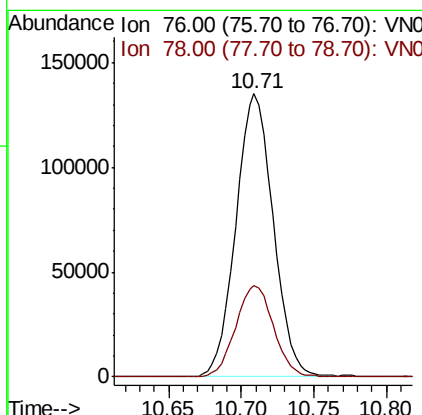
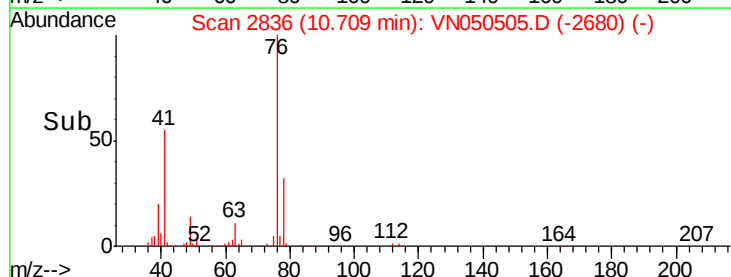
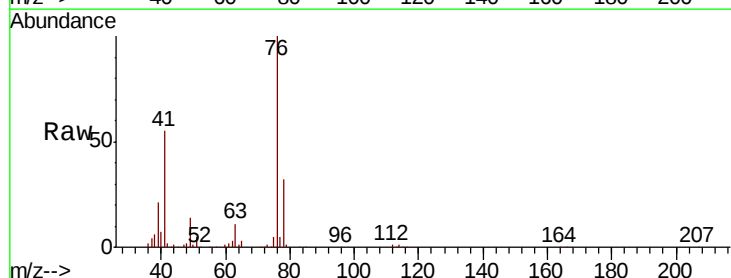
RT: 10.71 min Scan# 2836

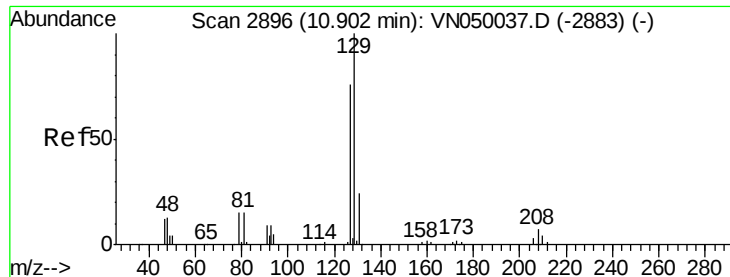
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	76	Resp:	241794
Ion Ratio	Lower	Upper	
76	100		
78	33.0	0.0	65.6





#53

Dibromochloromethane

Concen: 18.02 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 162017

Ion Ratio Lower Upper

129 100

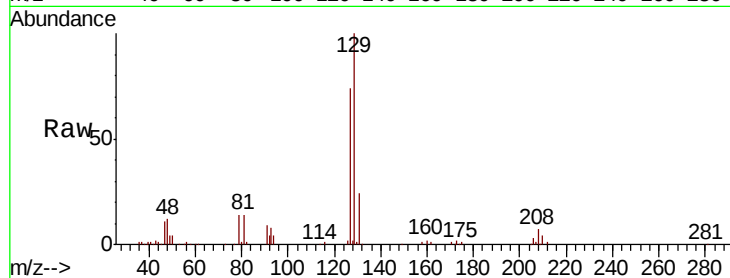
127 75.6 38.1 114.5

Manual Integrations

APPROVED

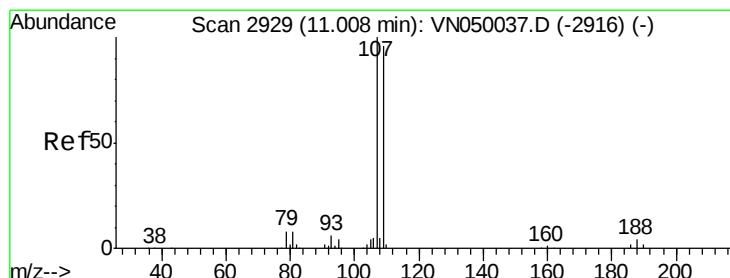
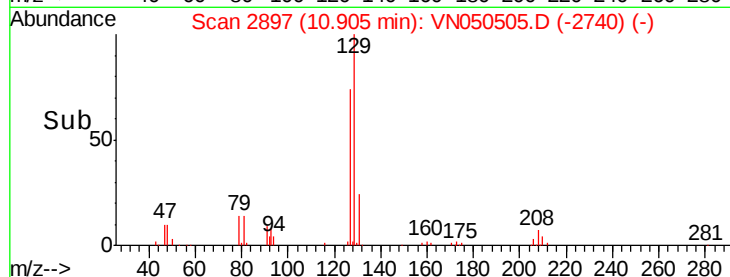
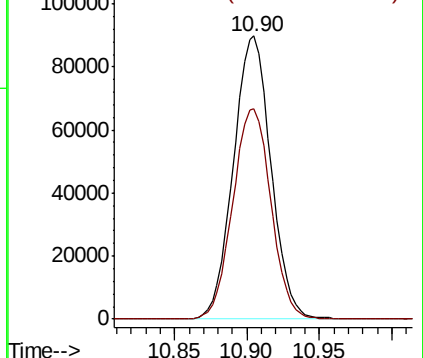
MMDadoda

8/10/2018 10:53:26 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.19 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050505.D

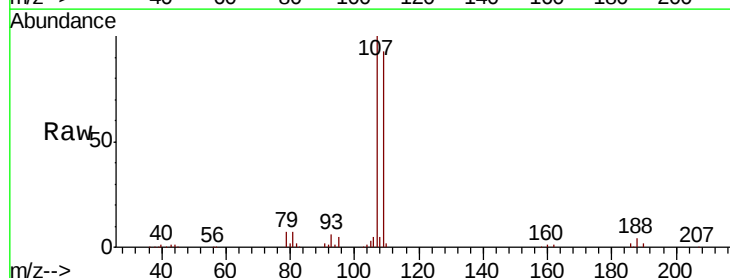
Acq: 10 Aug 2018 00:06

Tgt Ion:107 Resp: 141146

Ion Ratio Lower Upper

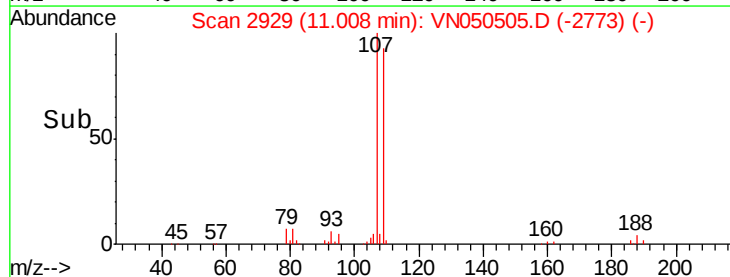
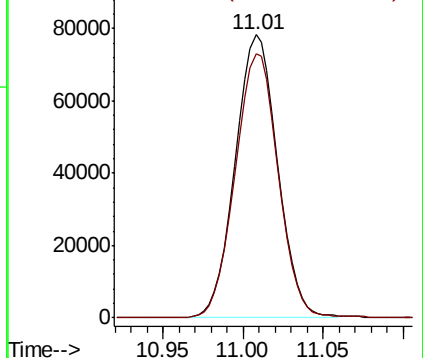
107 100

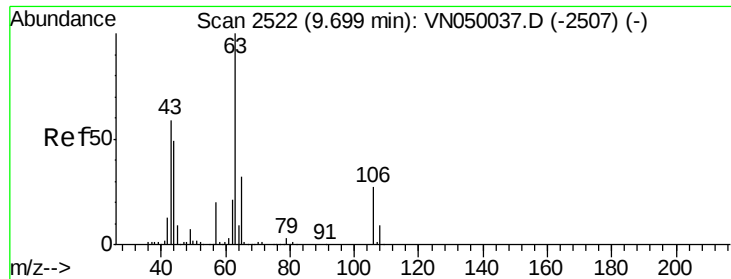
109 95.0 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





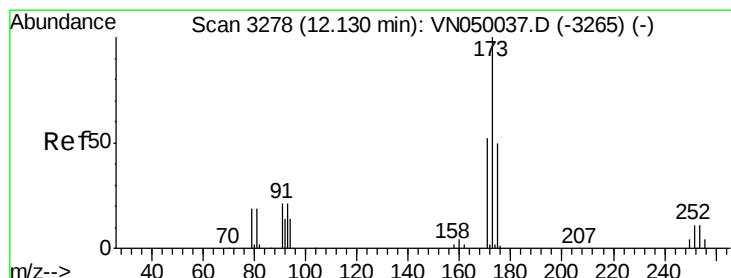
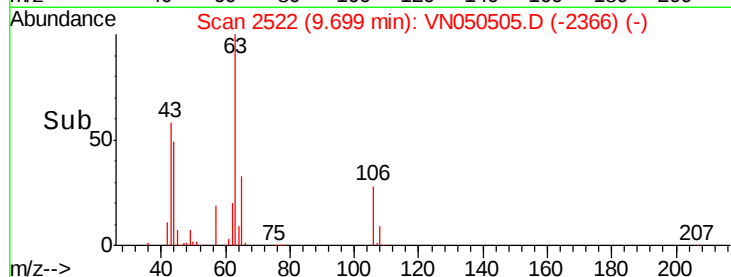
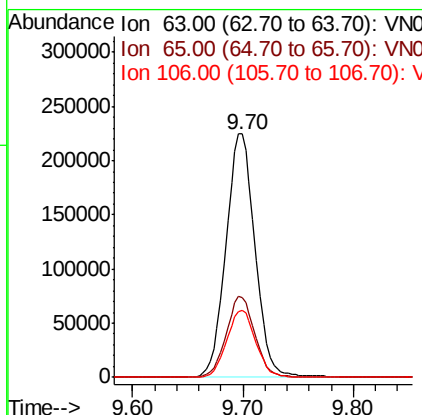
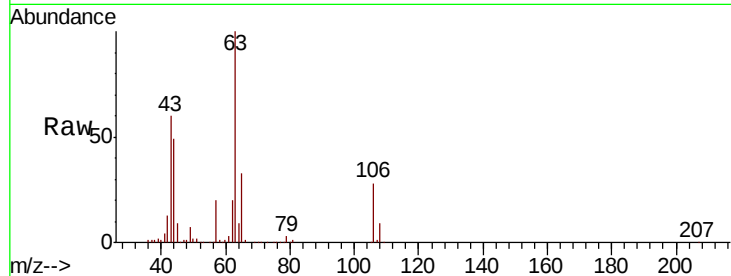
#55
2-Chloroethyl vinyl ether
Concen: 94.47 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	27.5	21.8	32.6

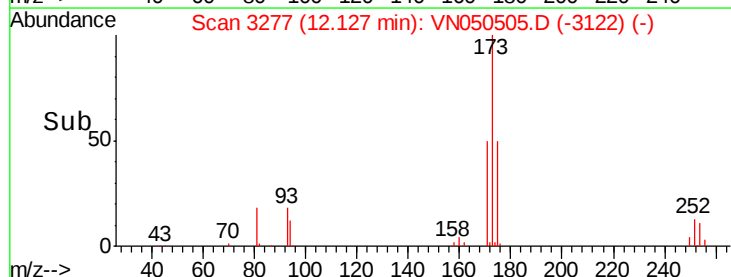
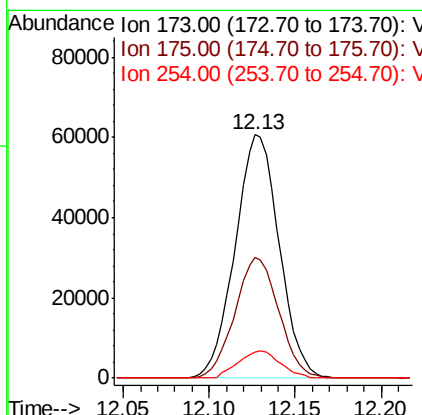
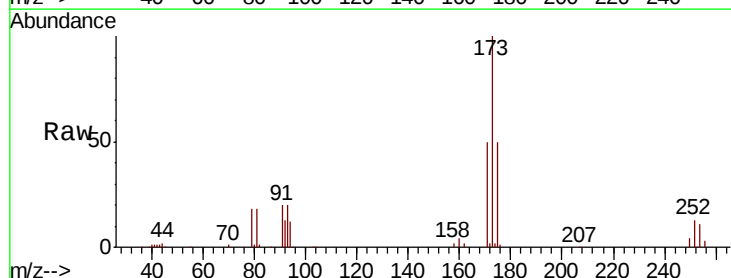
Manual Integrations
APPROVED

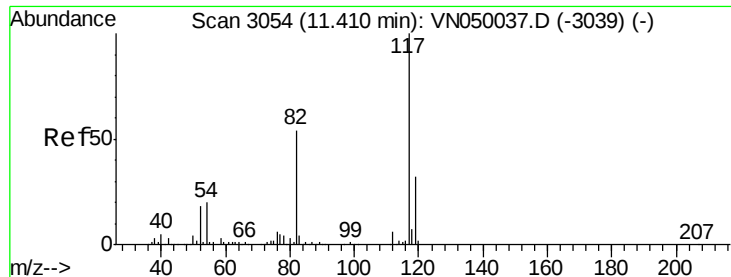
MMDadoda
8/10/2018 10:53:26 AM



#56
Bromoform
Concen: 17.00 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.6	57.8
254	10.6	8.8	13.2





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

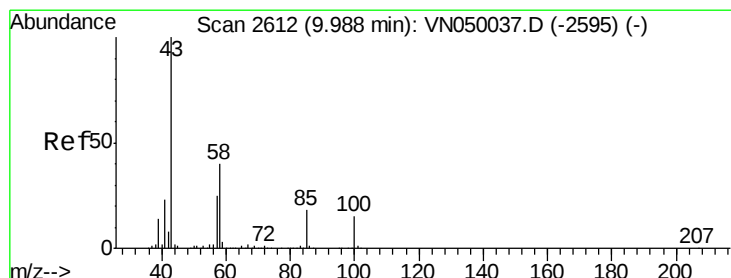
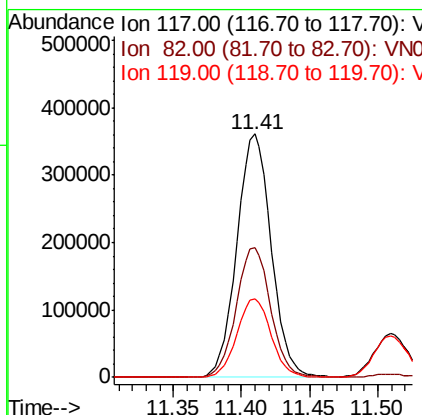
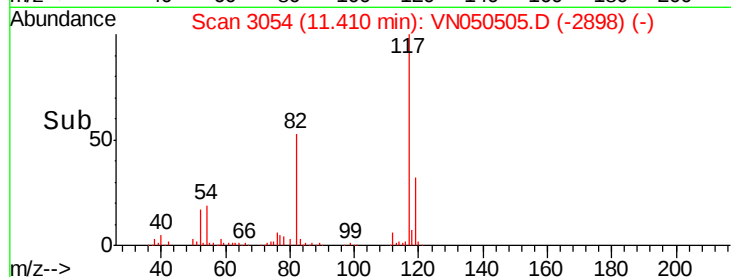
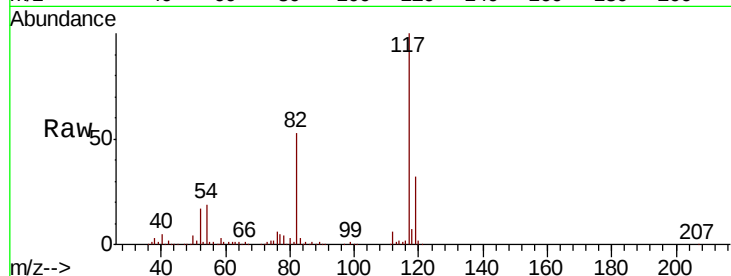
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	631608
Ion Ratio	Lower	Upper	
117	100		
82	53.4	42.4	63.6
119	32.2	25.4	38.0

Manual Integrations
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MMDadoda
8/10/2018 10:53:26 AM



#58

4-Methyl-2-Pentanone

Concen: 109.34 ug/l

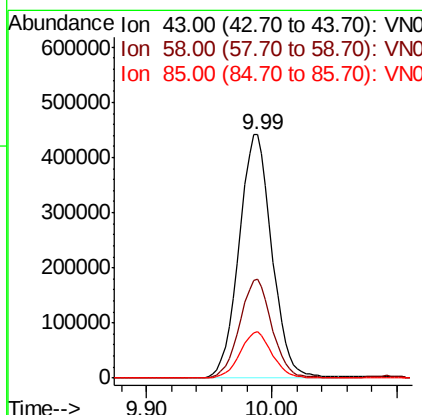
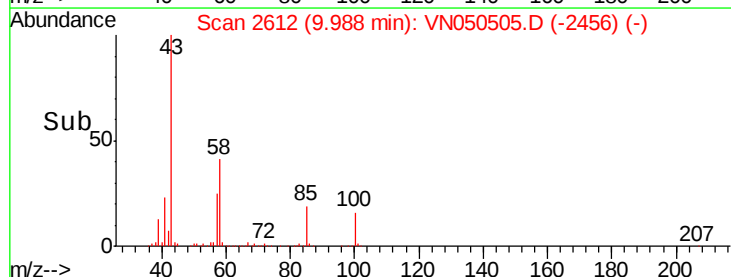
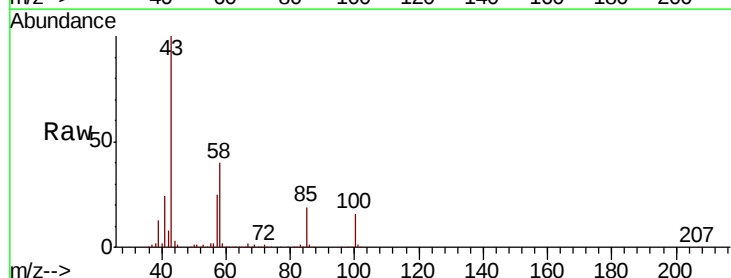
RT: 9.99 min Scan# 2612

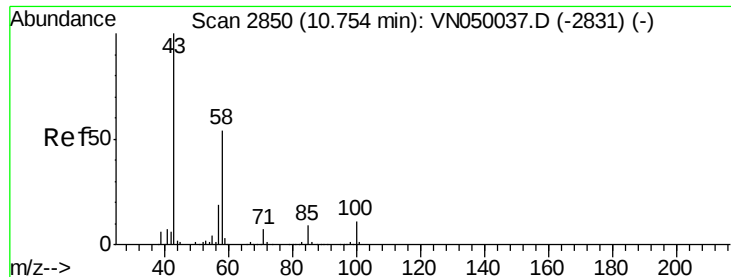
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	43	Resp:	803605
Ion Ratio	Lower	Upper	
43	100		
58	39.9	31.2	46.8
85	18.6	14.4	21.6





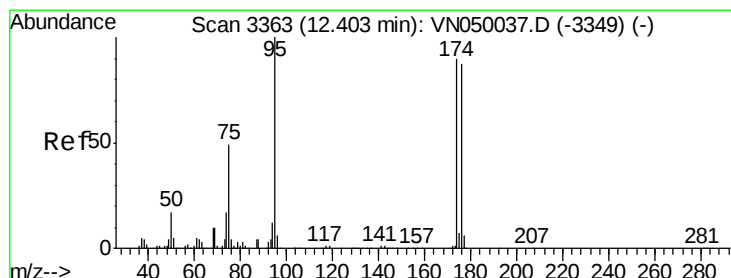
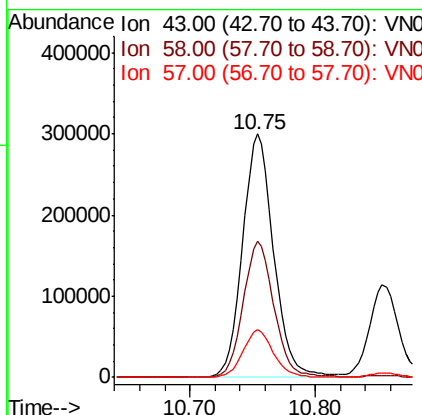
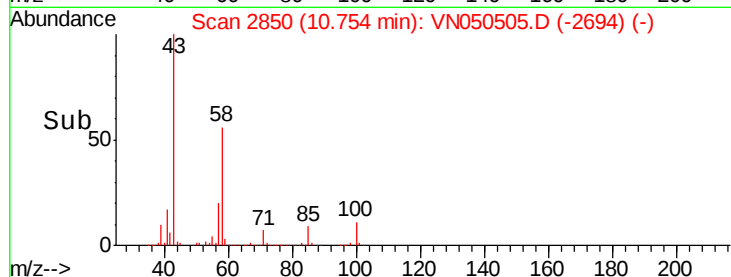
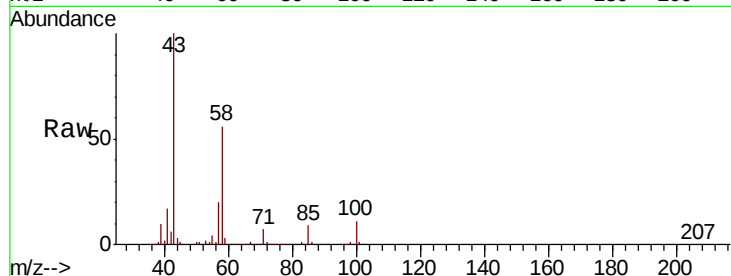
#59
2-Hexanone
Concen: 102.71 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.8	65.8
57	19.3	15.1	22.7

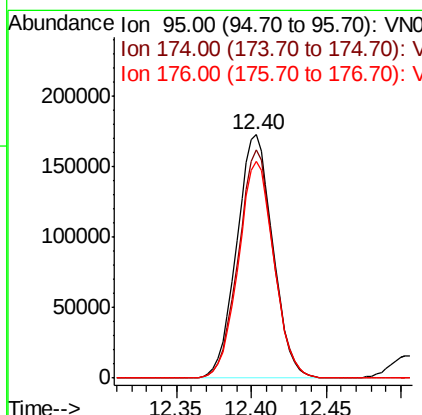
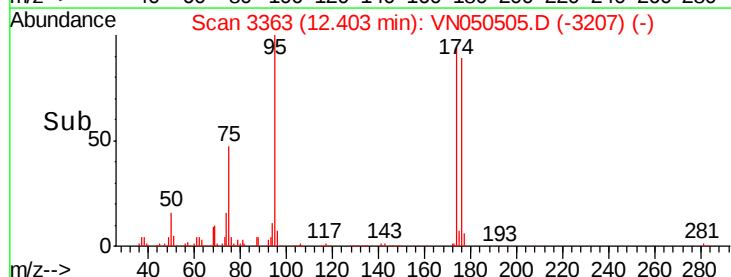
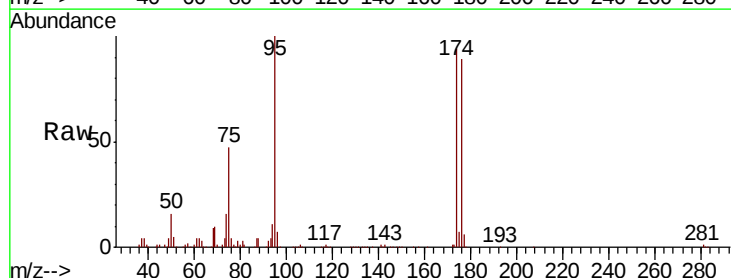
Manual Integrations
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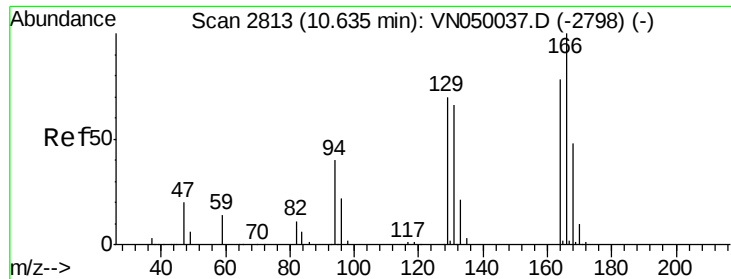
MMDadoda
8/10/2018 10:53:26 AM



#60
4-Bromofluorobenzene
Concen: 29.83 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	87.6	70.0	105.0





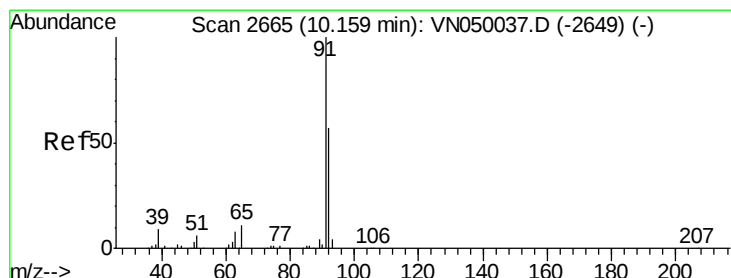
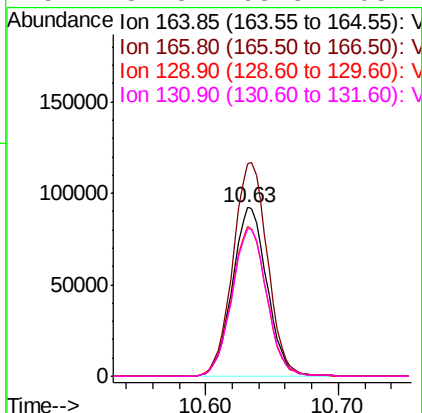
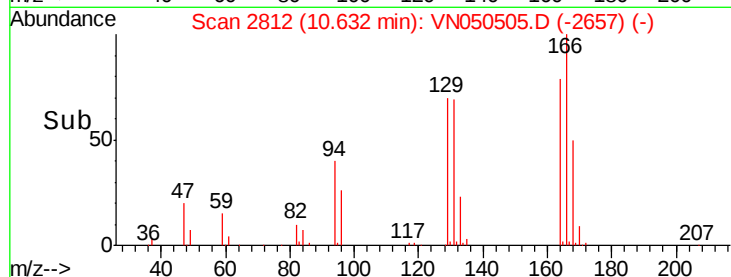
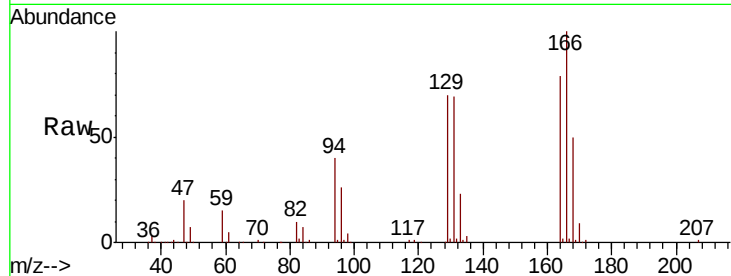
#61
Tetrachloroethene
Concen: 19.54 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.9	167175	100.0	150.0
129	88.5		69.3	103.9
131	87.3		68.8	103.2

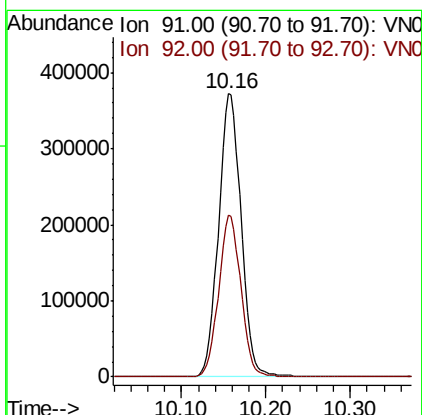
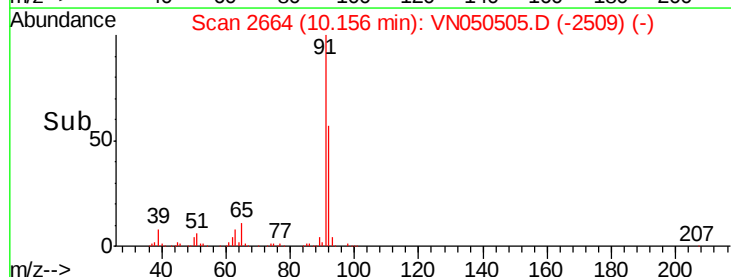
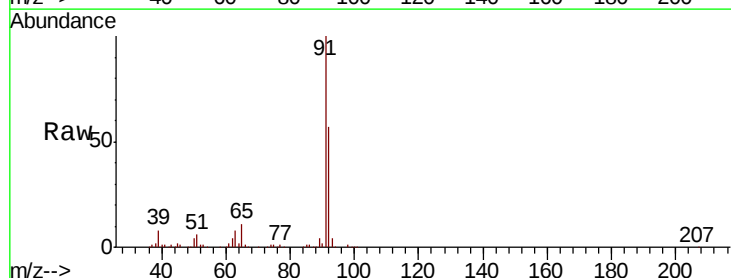
Manual Integrations
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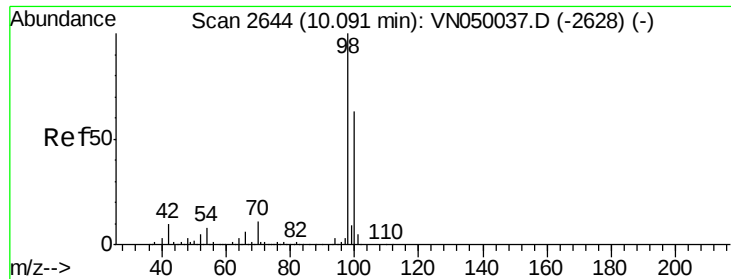
MMDadoda
8/10/2018 10:53:26 AM



#62
Toluene
Concen: 19.17 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	690826		
92	56.5		45.7	68.5





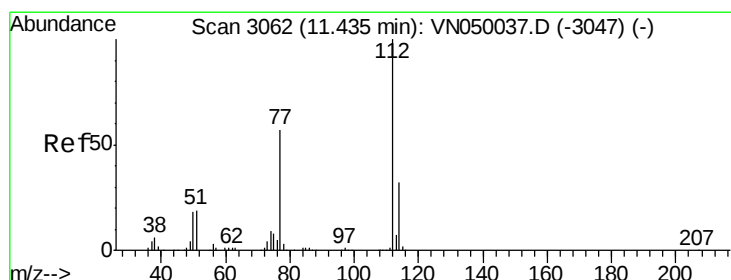
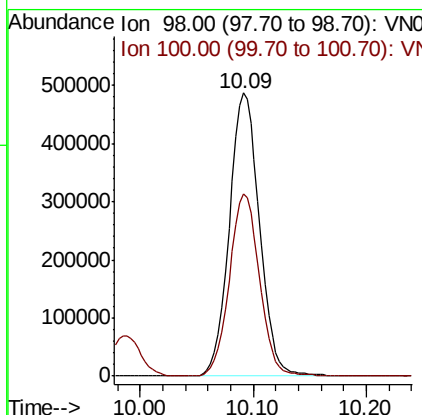
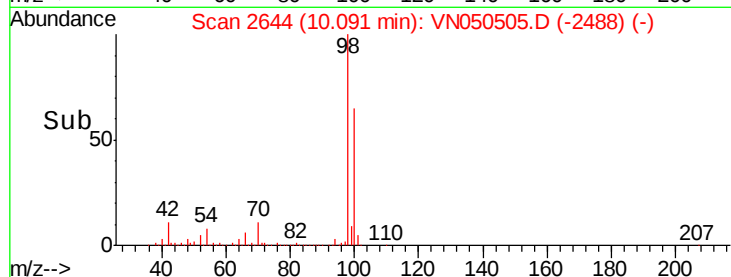
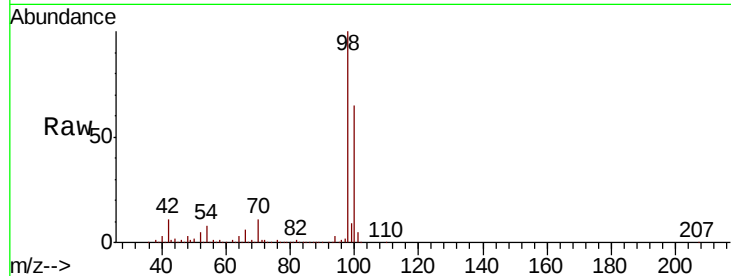
#63
Toluene-d8
Concen: 29.95 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 903449
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

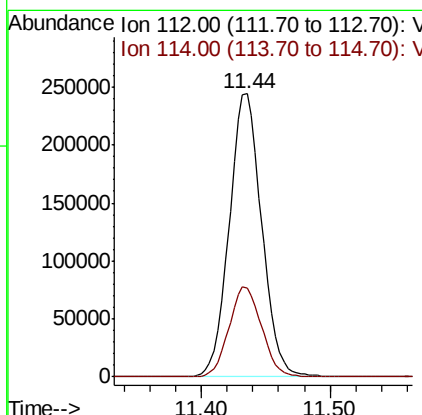
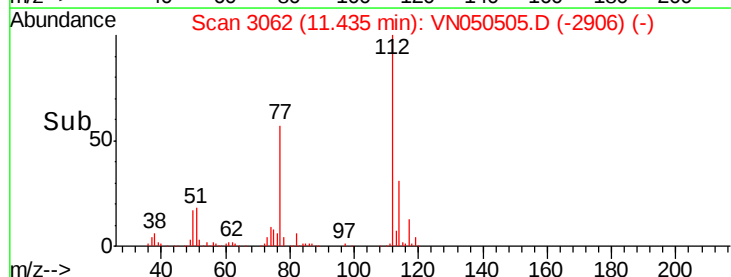
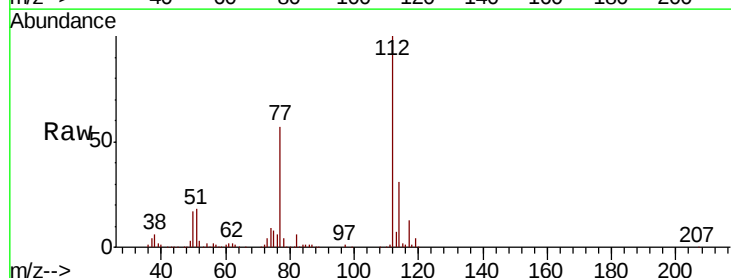
Manual Integrations
APPROVED

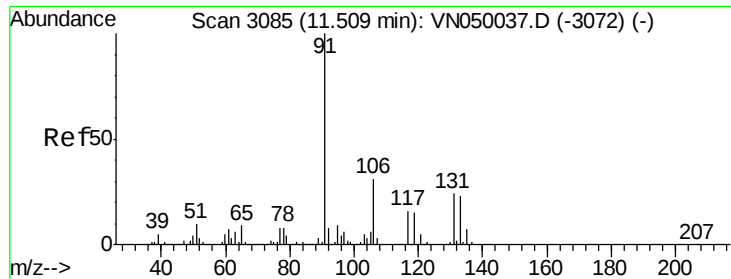
MMDadoda
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#64
Chlorobenzene
Concen: 19.48 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion: 112 Resp: 425720
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.15 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

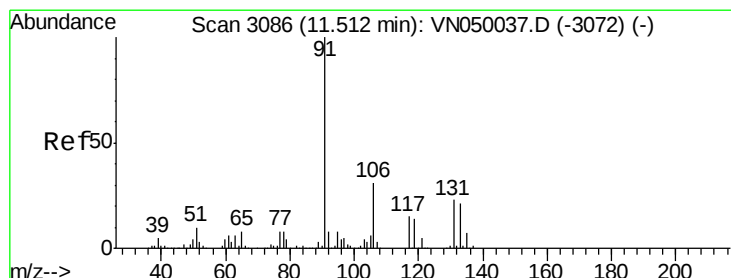
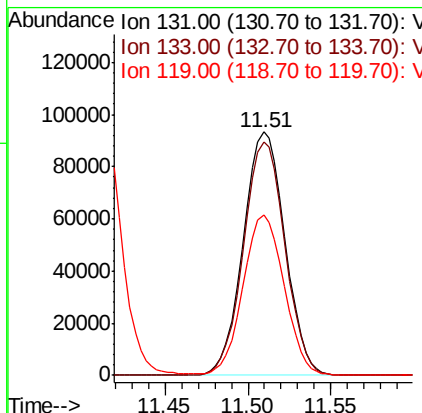
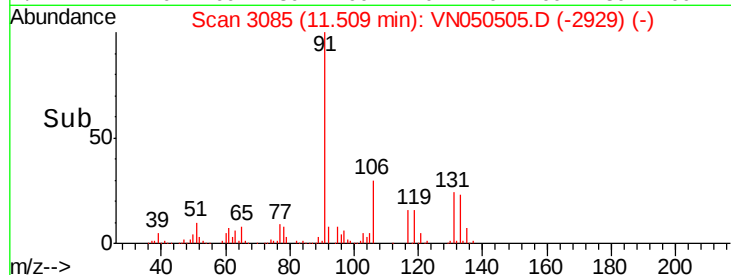
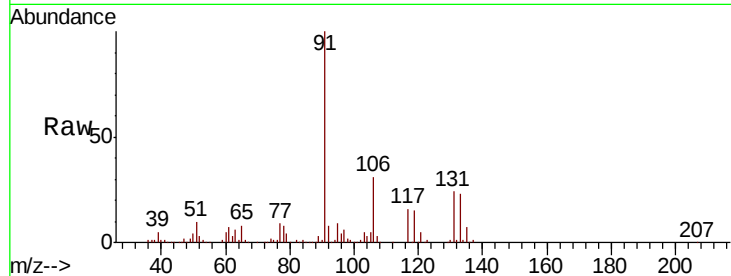
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	163200
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	190.0
119	65.1	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.80 ug/l

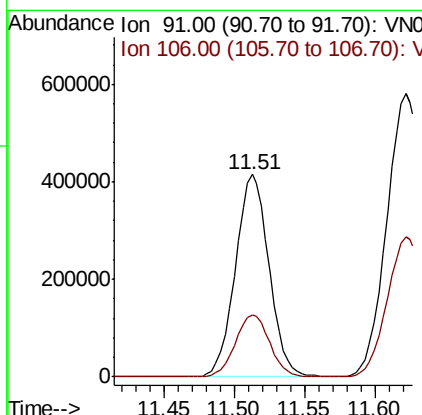
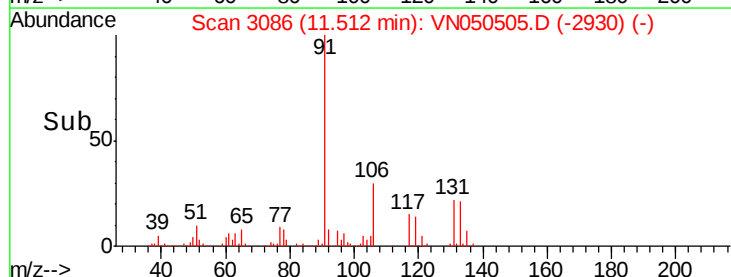
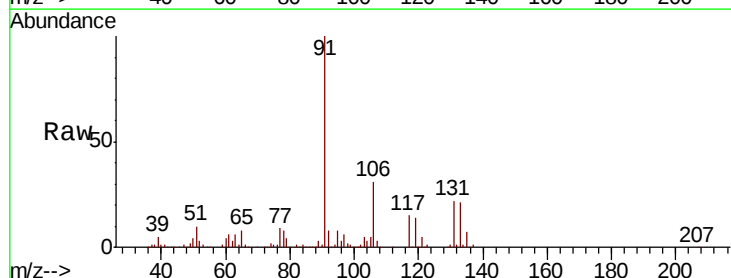
RT: 11.51 min Scan# 3086

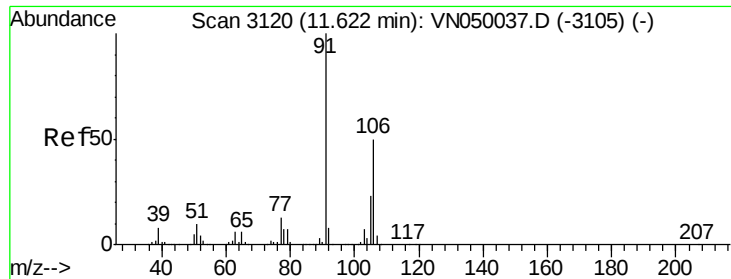
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	91	Resp:	692307
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.1	37.7





#67

m/p-Xvlenes

Concen: 38.69 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 548366

Ion Ratio Lower Upper

106 100

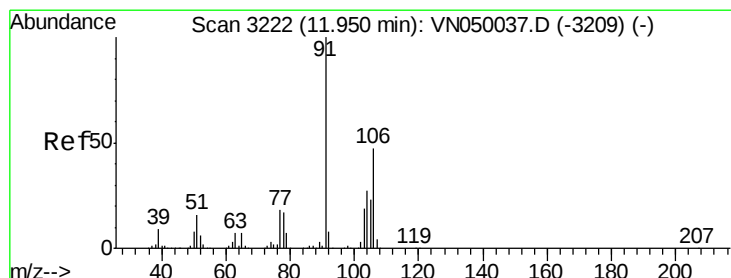
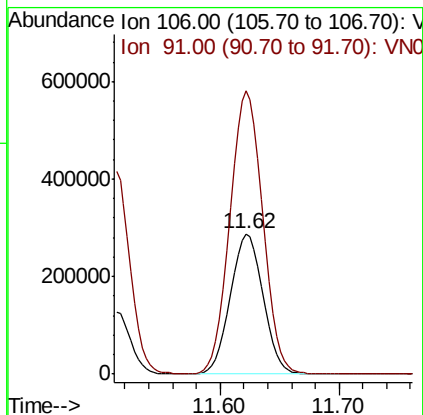
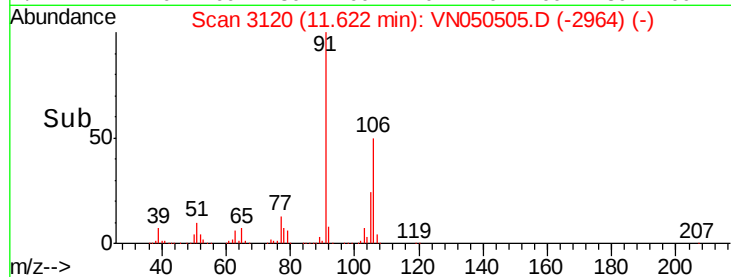
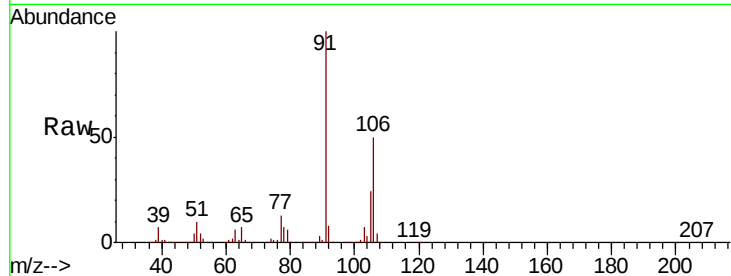
91 202.3 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 19.29 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050505.D

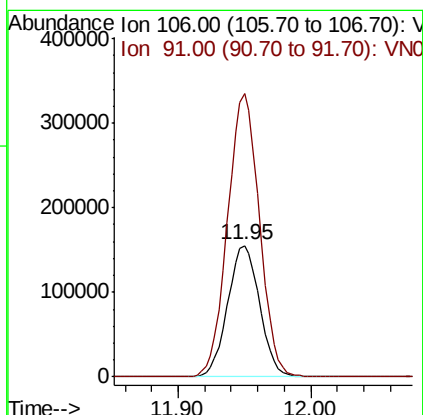
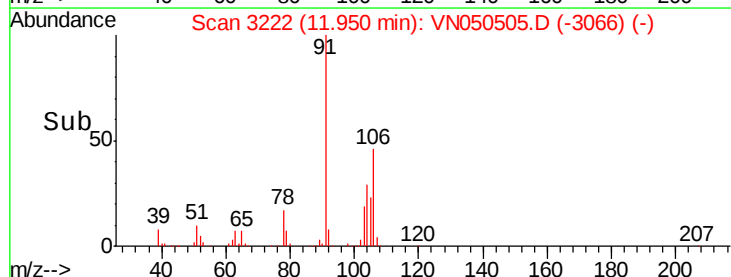
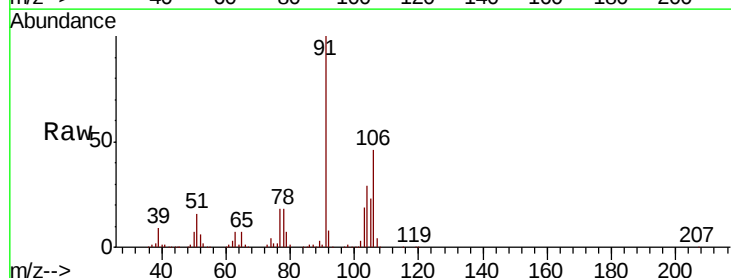
Acq: 10 Aug 2018 00:06

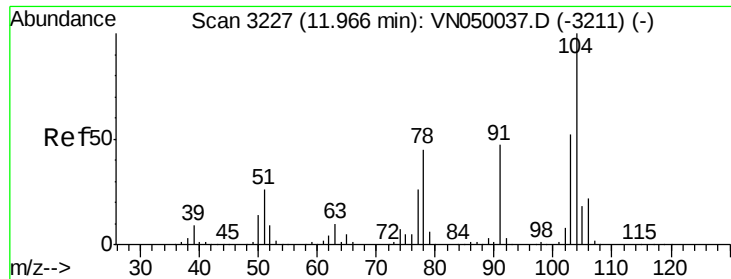
Tgt Ion:106 Resp: 260103

Ion Ratio Lower Upper

106 100

91 215.1 106.8 320.4





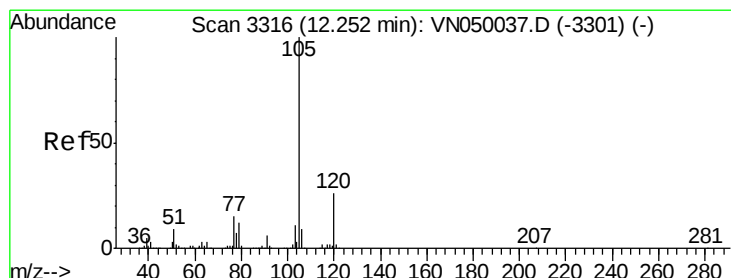
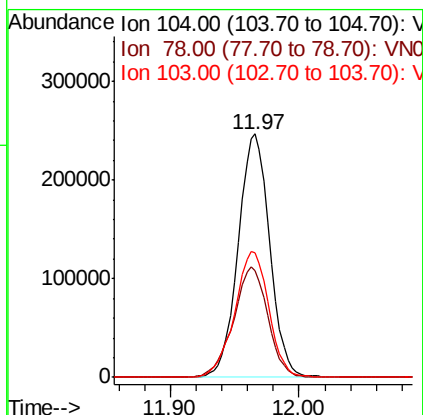
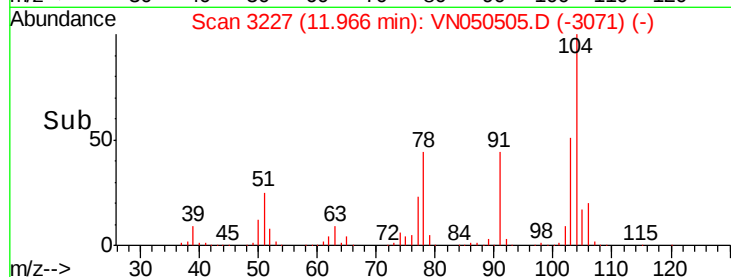
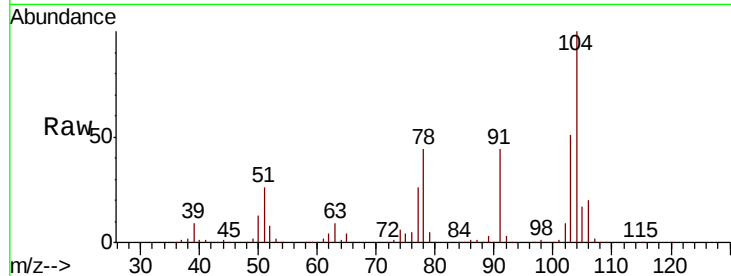
#69
Stvrene
Concen: 19.40 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.0	44.5	66.7

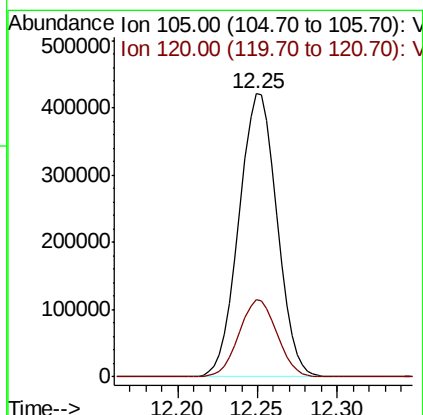
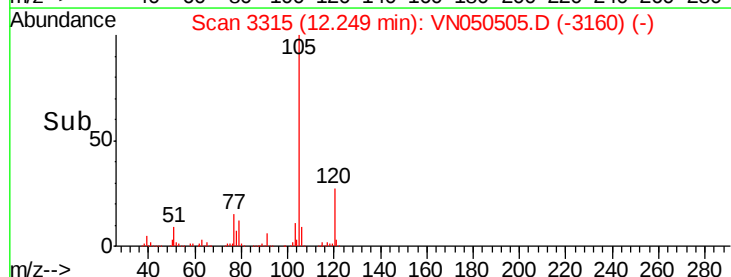
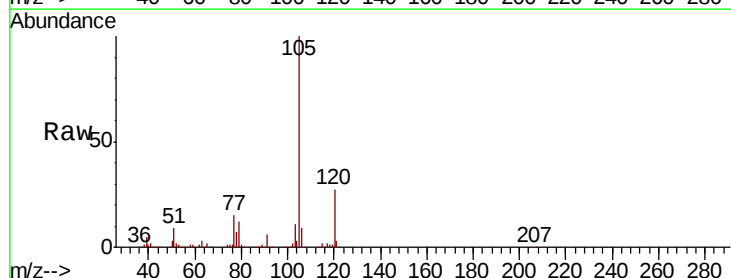
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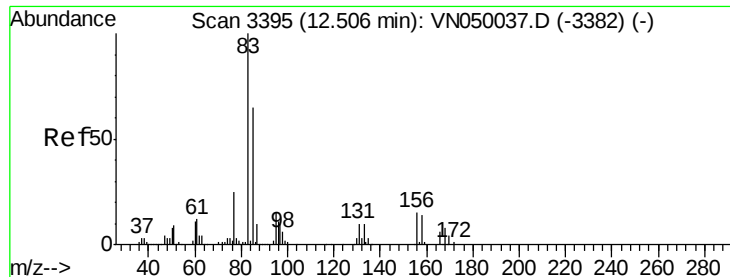
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#70
Isopropylbenzene
Concen: 19.06 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.9	35.1





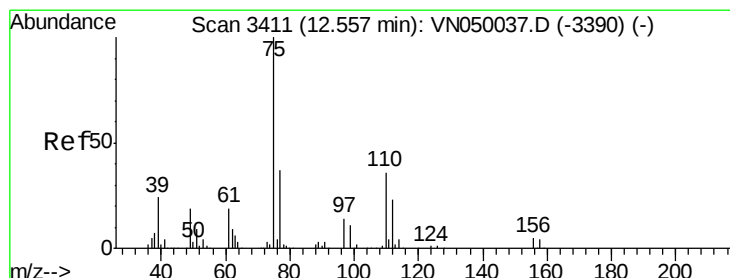
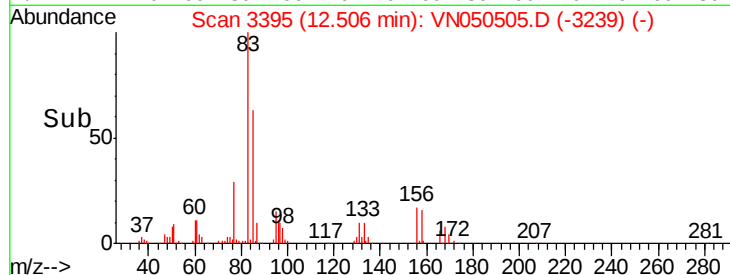
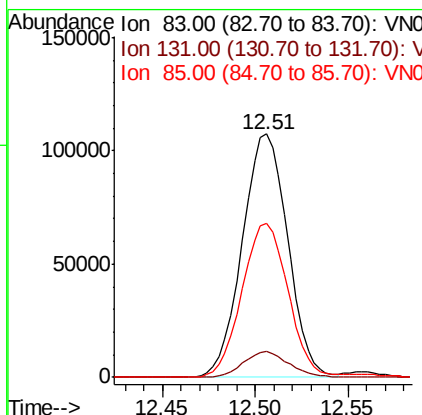
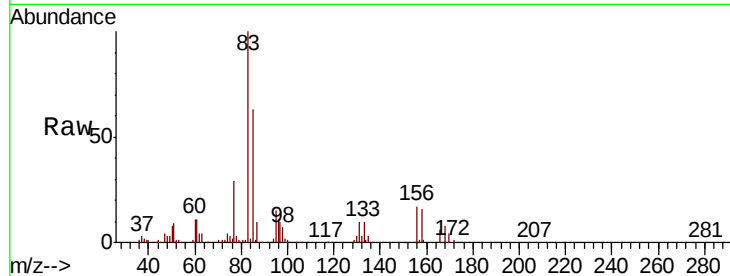
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.58 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	63.8	31.7	95.1

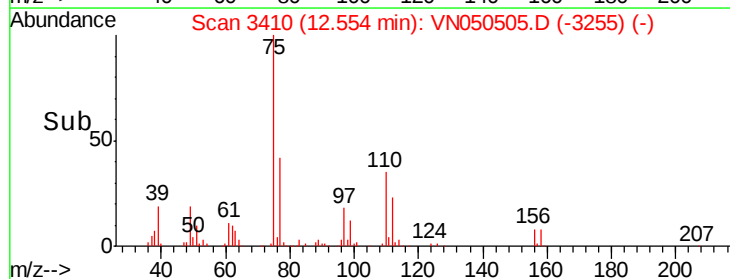
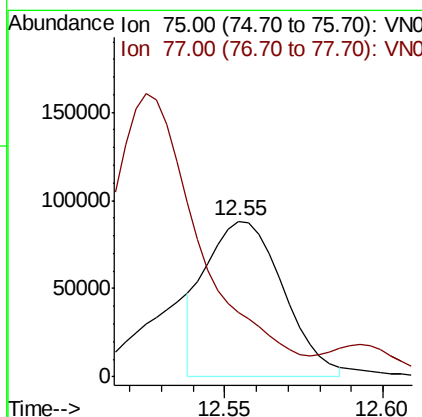
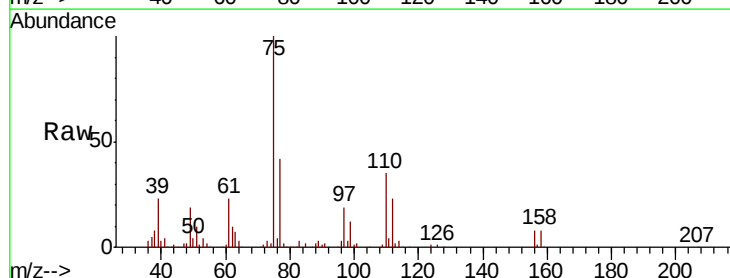
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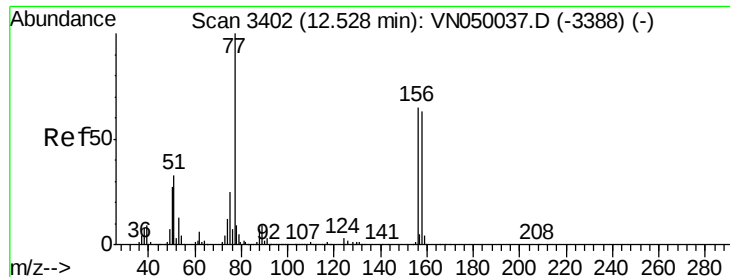
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#72
 1,2,3-Trichloropropane
 Concen: 17.67 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	217.3	0.0	454.4





#73

Bromobenzene

Concen: 18.82 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

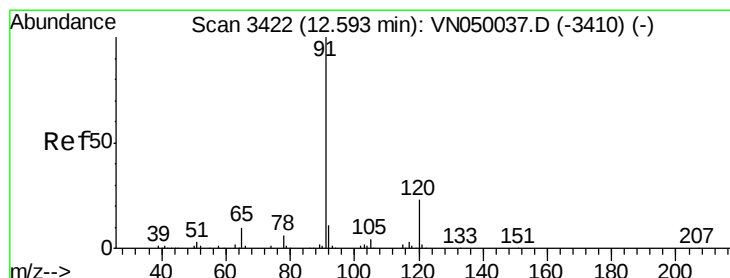
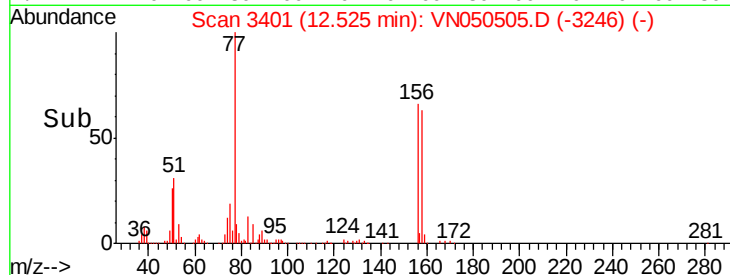
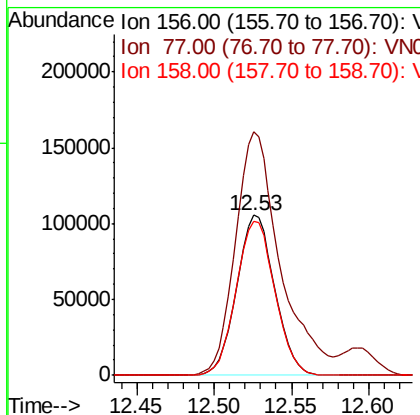
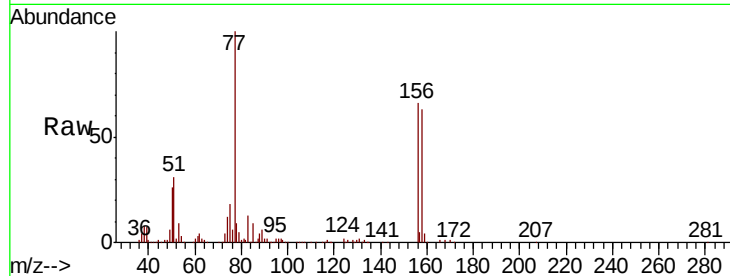
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	180017
Ion Ratio	Lower	Upper	
156	100		
77	179.6	0.0	359.8
158	98.0	0.0	192.8

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#74

n-propylbenzene

Concen: 18.47 ug/l

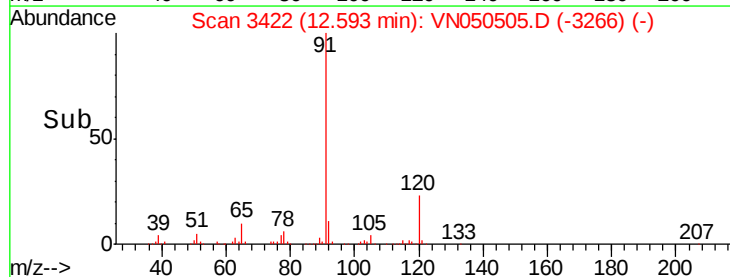
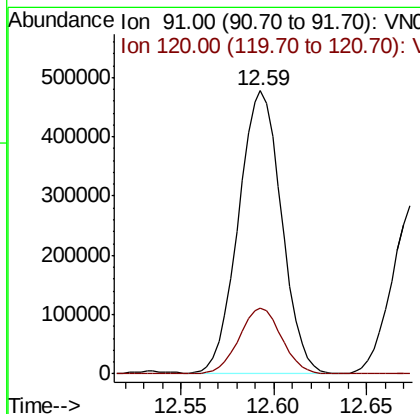
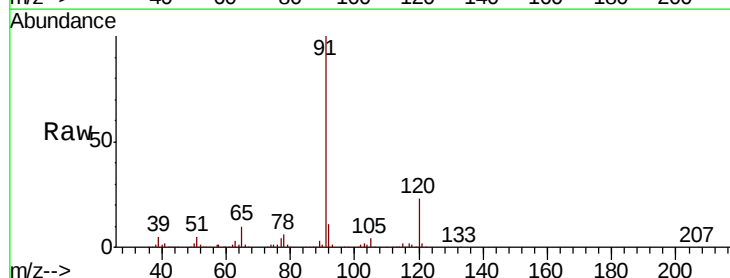
RT: 12.59 min Scan# 3422

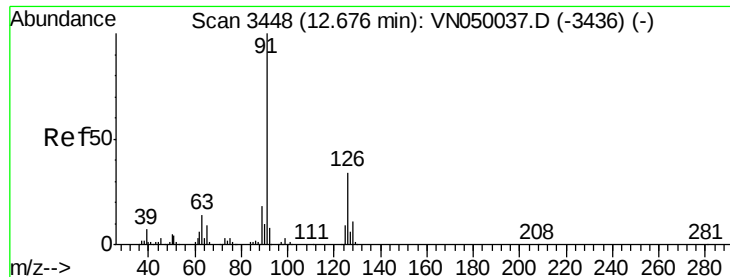
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	91	Resp:	772547
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 480451

Ion Ratio Lower Upper

91 100

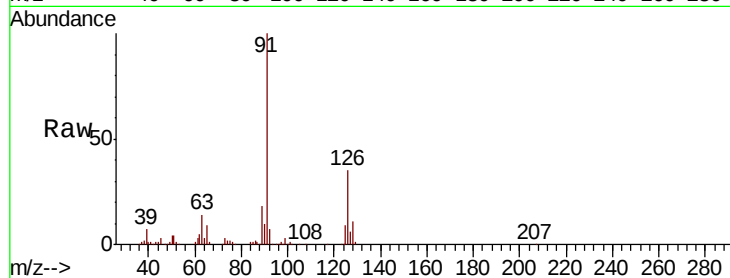
126 35.6 0.0 68.6

Manual Integrations

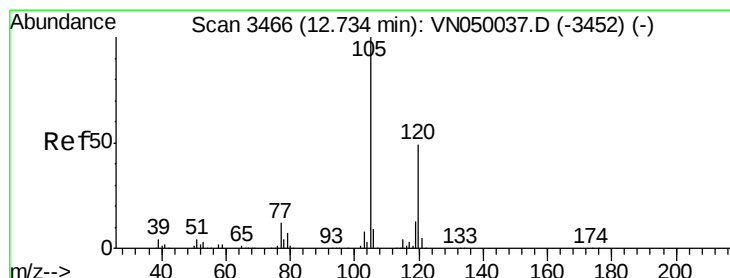
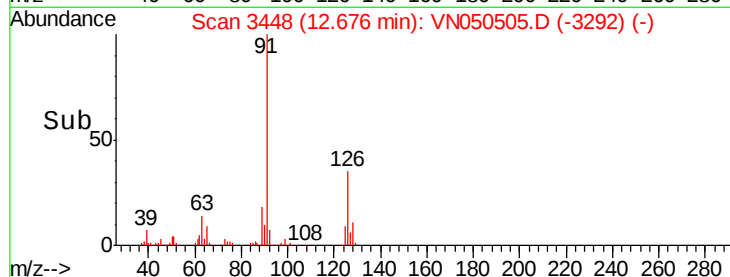
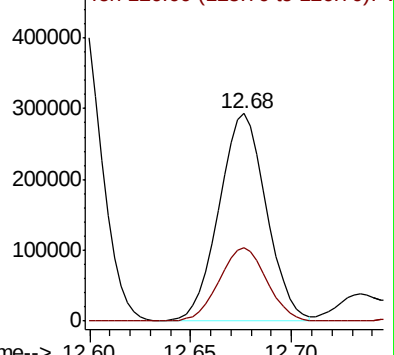
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Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.26 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050505.D

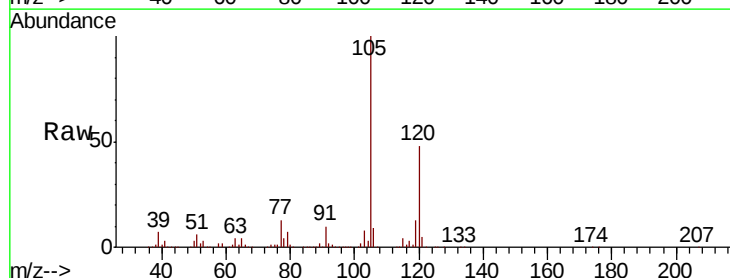
Acq: 10 Aug 2018 00:06

Tgt Ion: 105 Resp: 568135

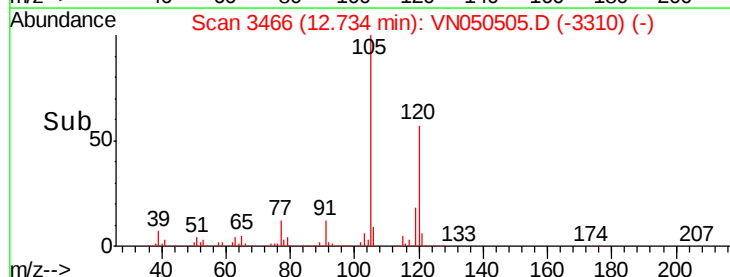
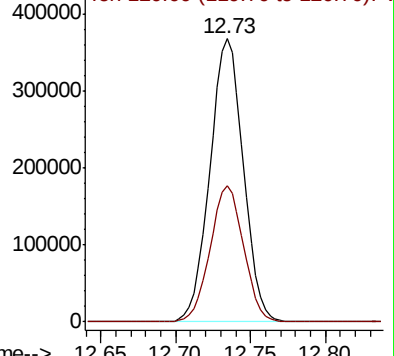
Ion Ratio Lower Upper

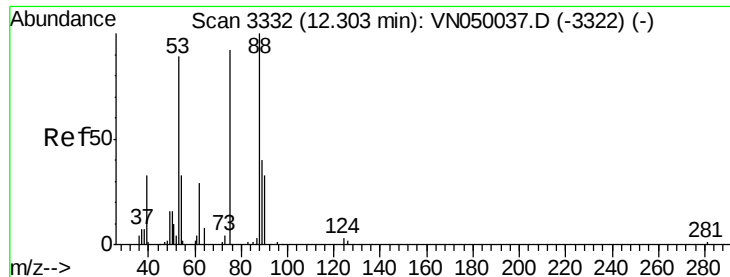
105 100

120 48.3 0.0 98.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 13.10 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

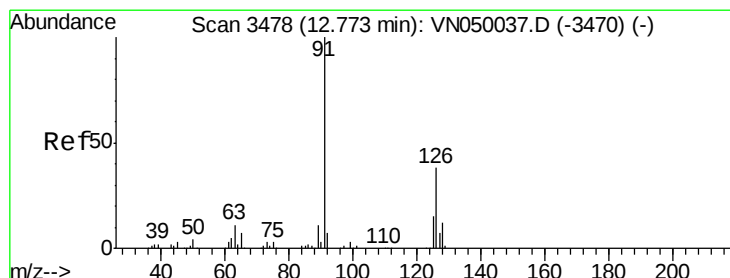
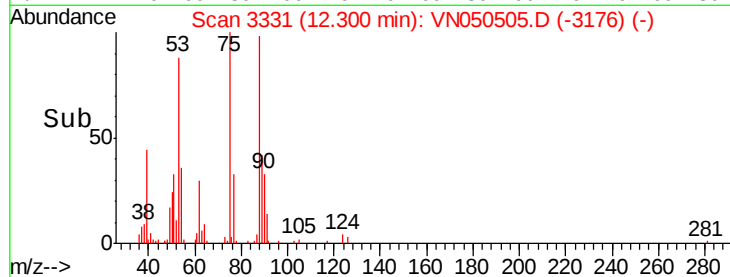
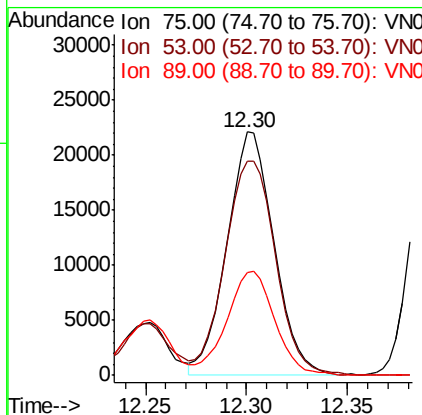
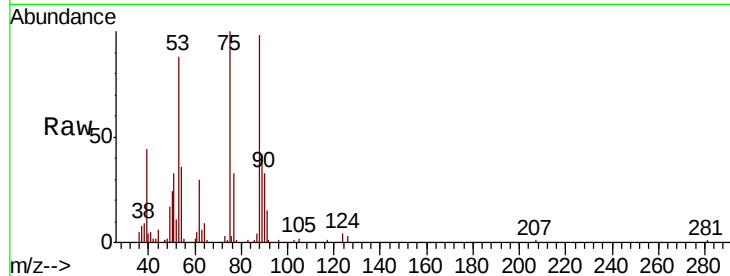
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	36064
Ion	Ratio	Lower	Upper
75	100		
53	86.9	44.6	134.0
89	42.4	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.27 ug/l

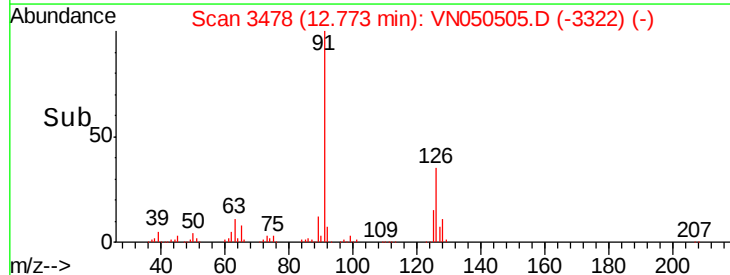
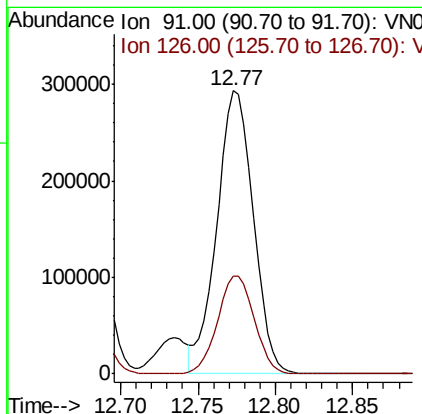
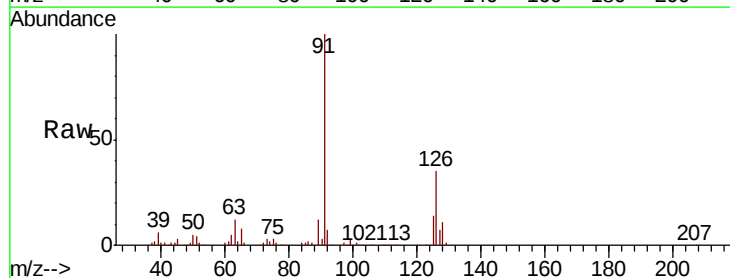
RT: 12.77 min Scan# 3478

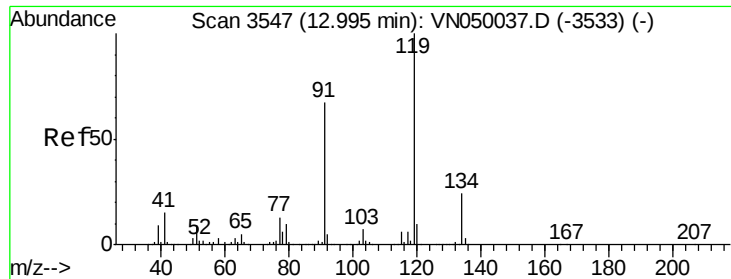
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	91	Resp:	479824
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.4





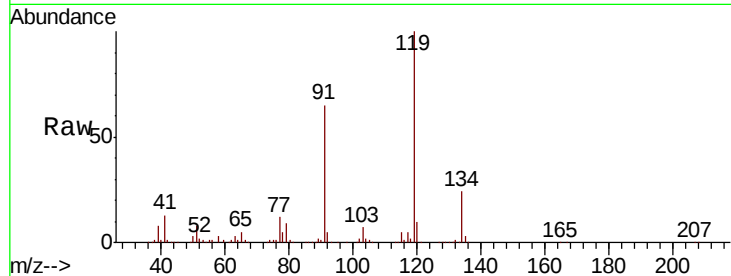
#79
tert-butylbenzene
Concen: 19.14 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

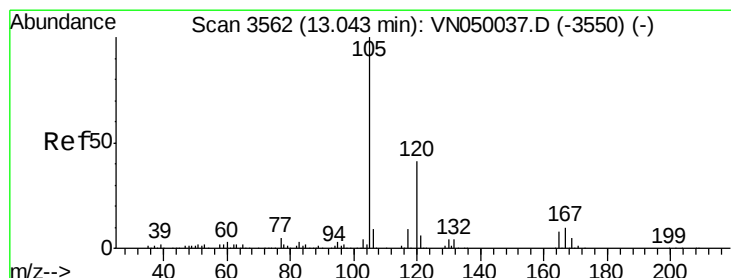
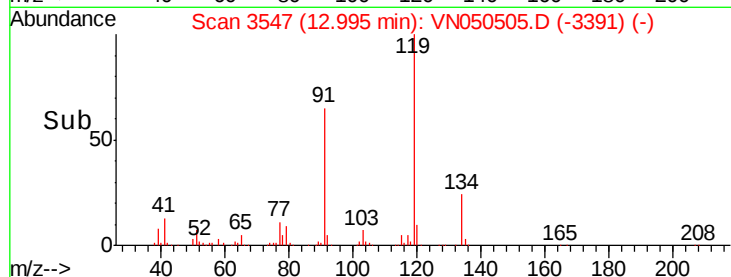
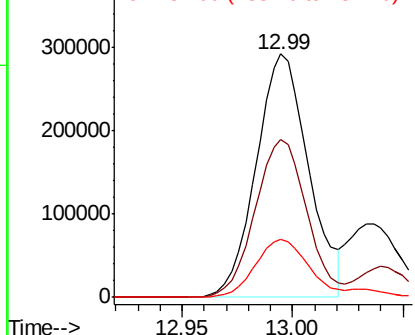
Tot Ion	Ratio	Resp	Lower	Upper
119	100	482542		
91	63.8	0.0	126.8	
134	24.2	0.0	47.4	

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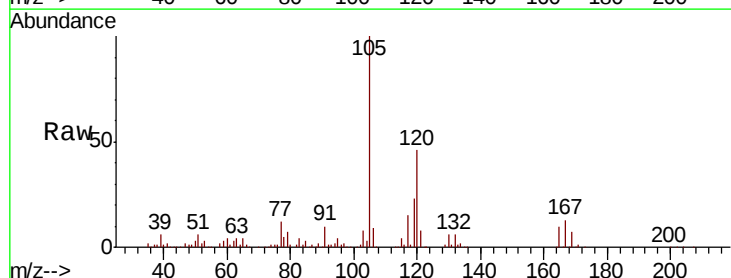


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

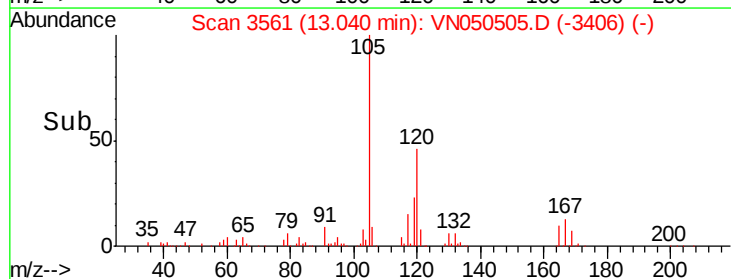
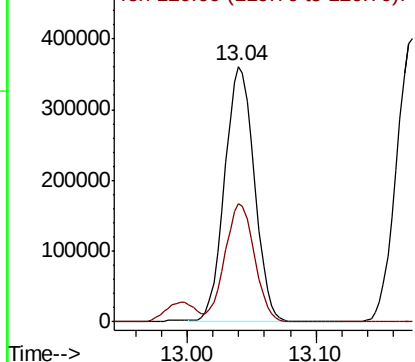


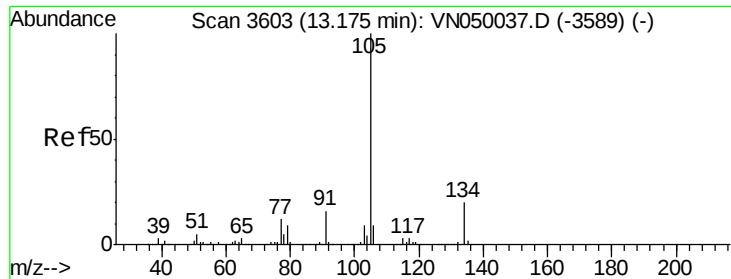
#80
1,2,4-Trimethylbenzene
Concen: 19.29 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	576612		
120	45.9	0.0	90.6	



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





#81

sec-Butylbenzene

Concen: 18.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 629992

Ion Ratio Lower Upper

105 100

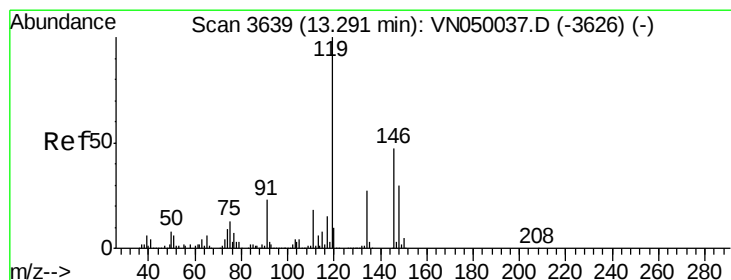
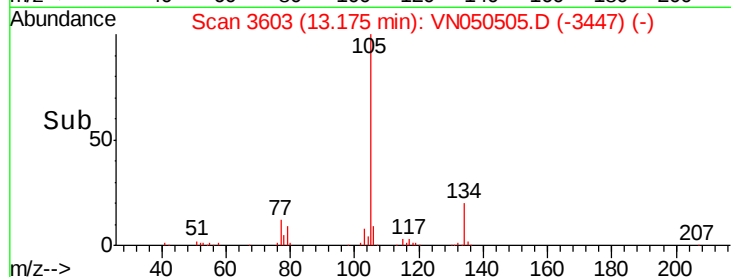
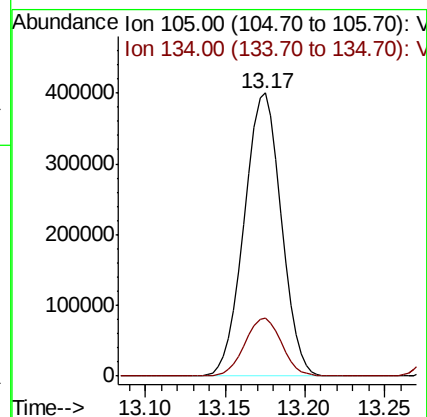
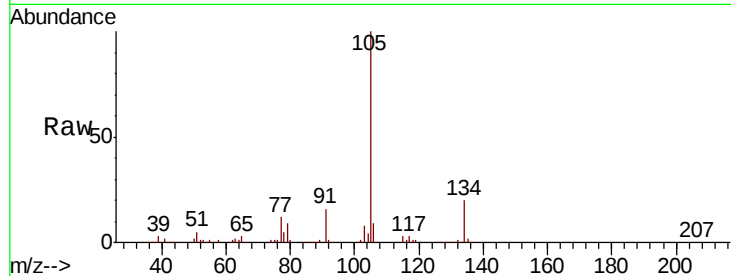
134 20.5 0.0 40.6

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#82

p-Isopropyltoluene

Concen: 18.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

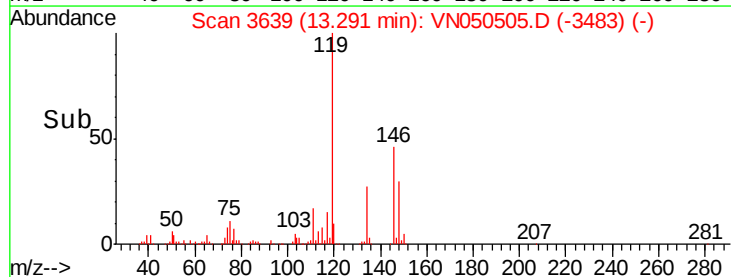
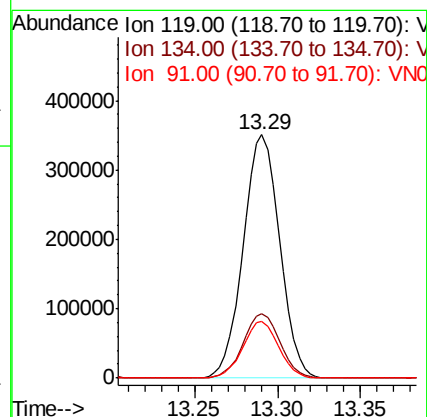
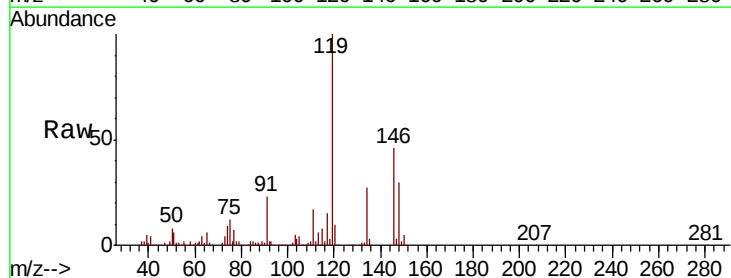
Tgt Ion:119 Resp: 536296

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.2

91 22.8 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.77 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Instrument :

MSVOA_N

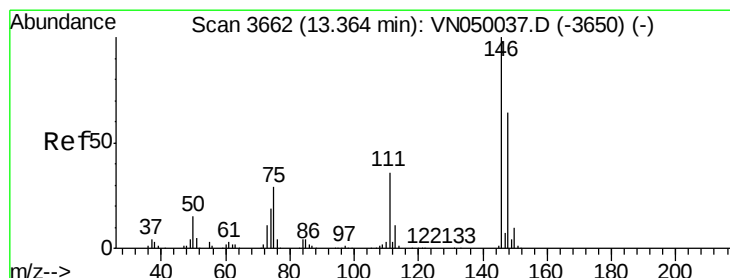
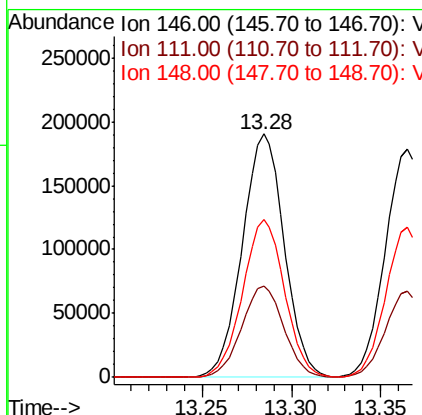
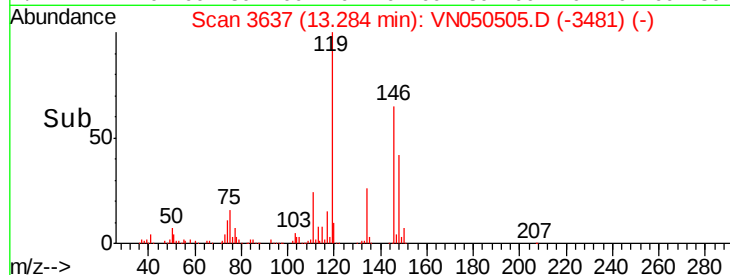
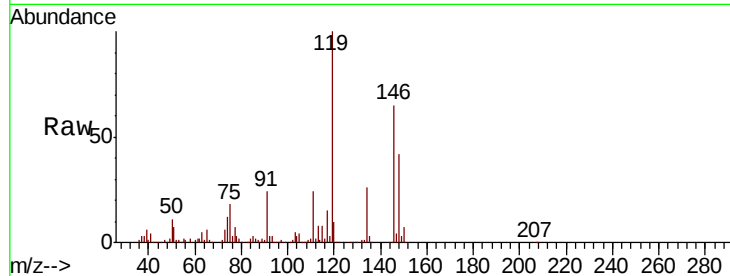
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	312599
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.1
148	64.7	31.9	95.9

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#84

1,4-Dichlorobenzene

Concen: 18.70 ug/l

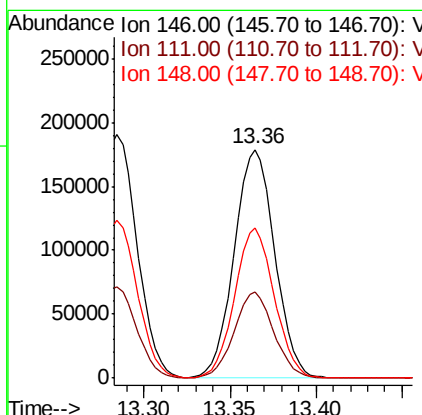
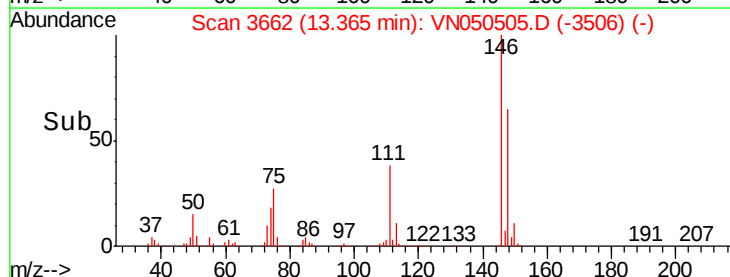
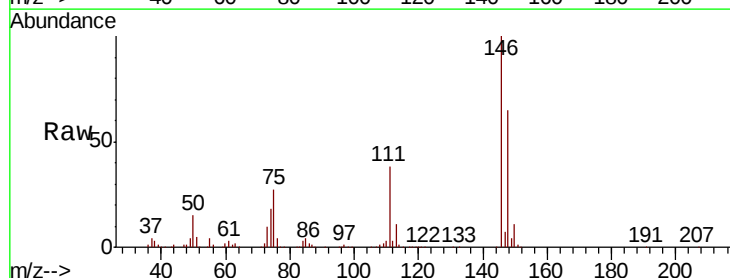
RT: 13.36 min Scan# 3662

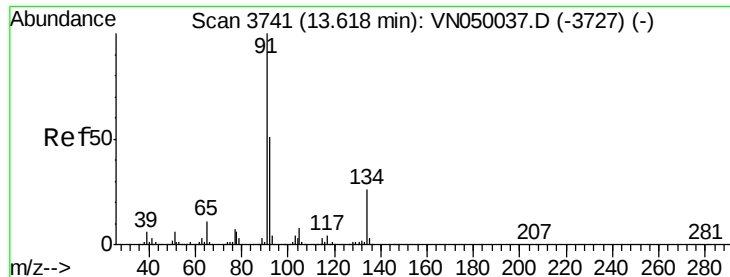
Delta R.T. 0.00 min

Lab File: VN050505.D

Acq: 10 Aug 2018 00:06

Tgt Ion:	146	Resp:	294398
Ion Ratio	Lower	Upper	
146	100		
111	36.8	17.9	53.8
148	64.1	32.4	97.0





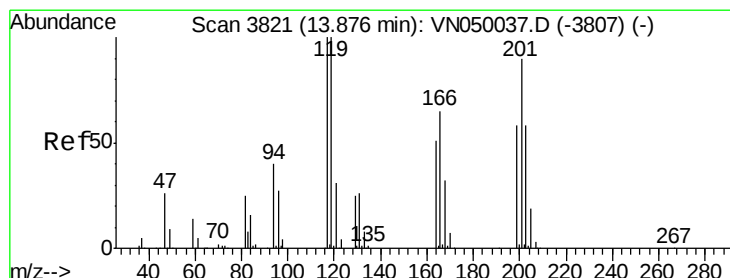
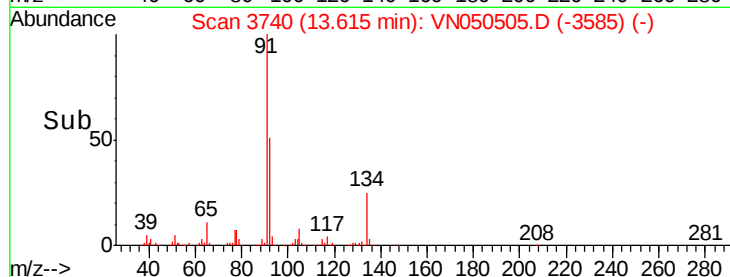
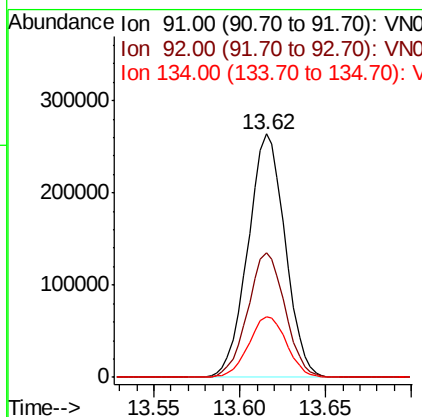
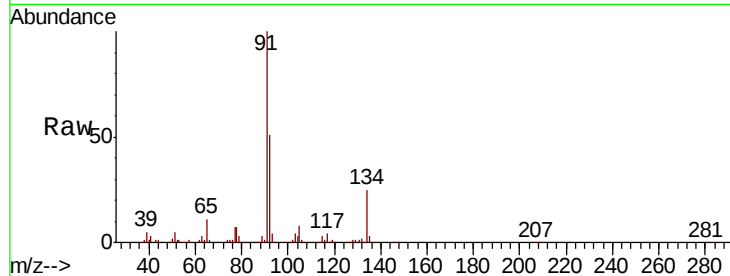
#85
n-Butylbenzene
Concen: 16.69 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	395885		
92	51.2	0.0	102.8	
134	25.5	0.0	51.0	

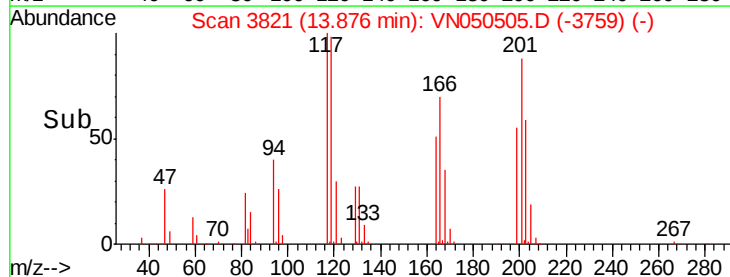
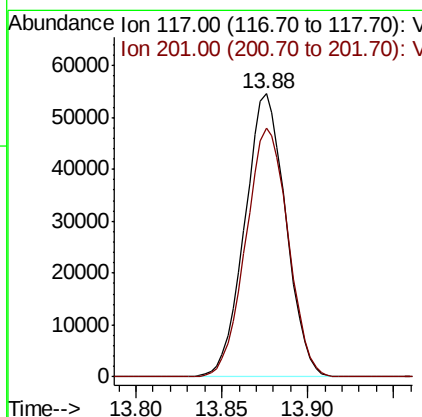
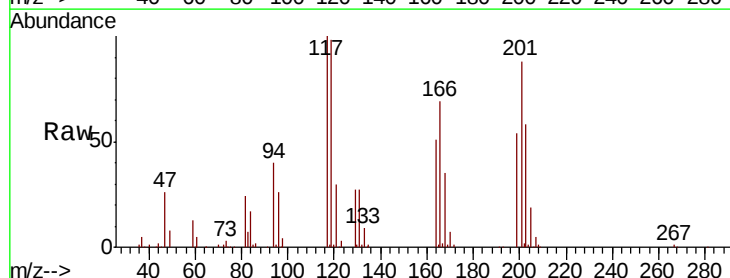
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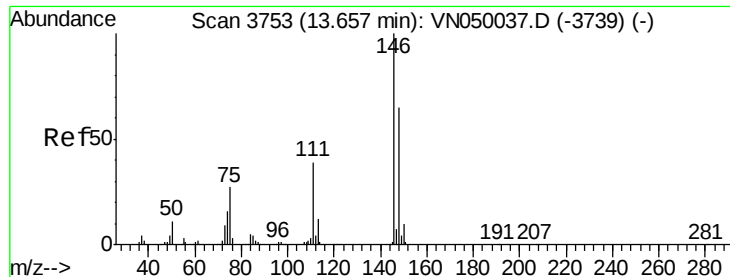
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#86
Hexachloroethane
Concen: 15.50 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	90546		
201	90.3	46.6	139.7	





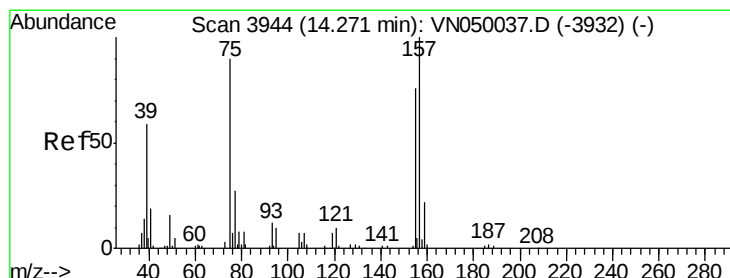
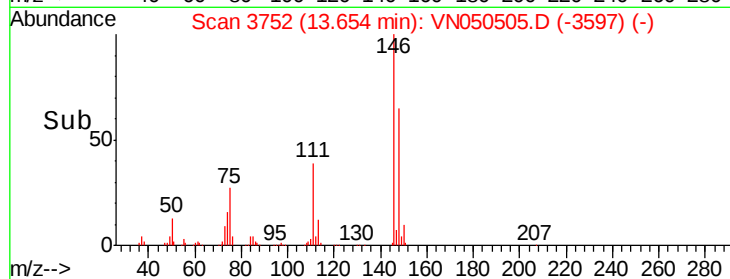
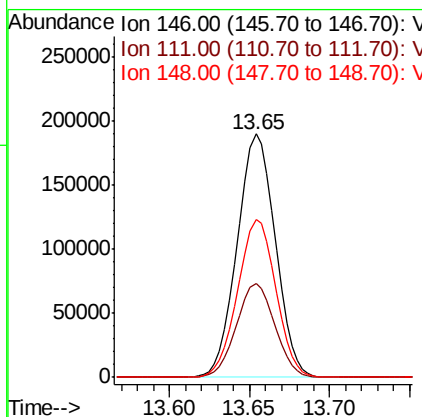
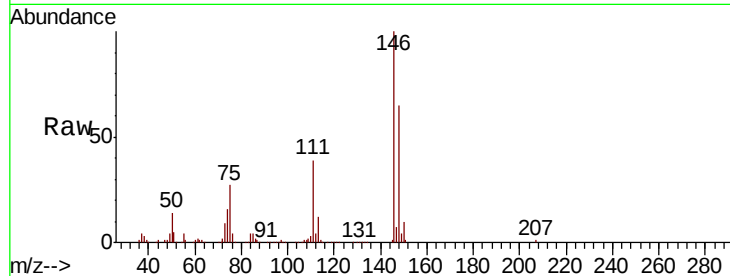
#87
 1,2-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	64.9	31.8	95.3

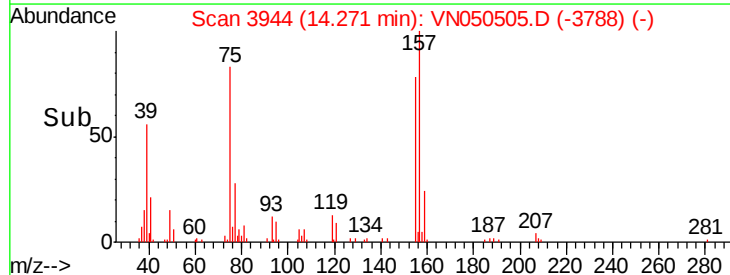
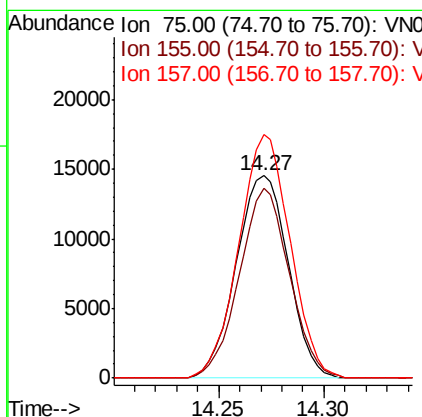
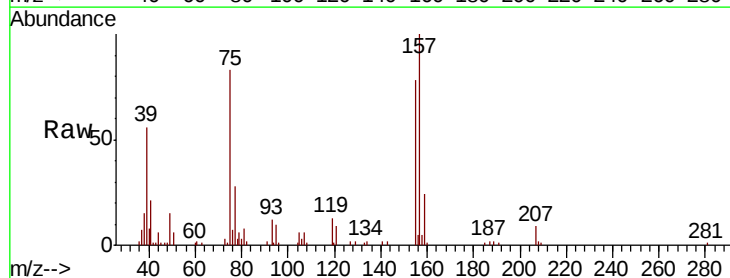
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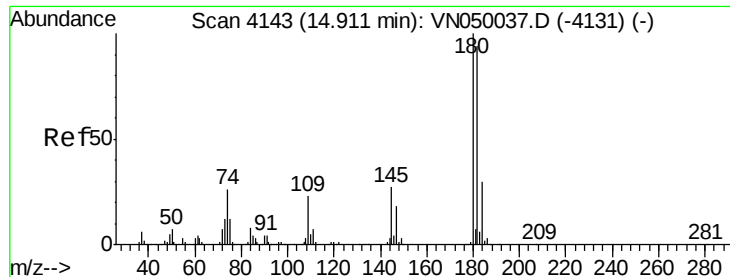
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.24 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	73.0	109.6
157	118.4	94.9	142.3





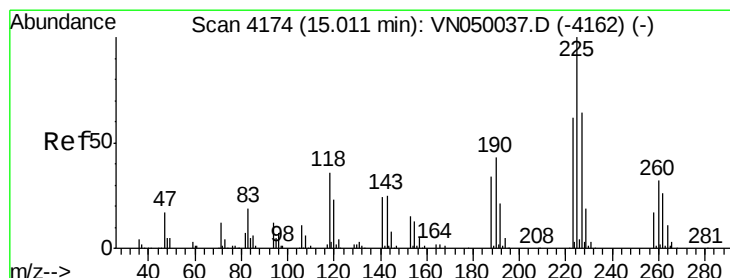
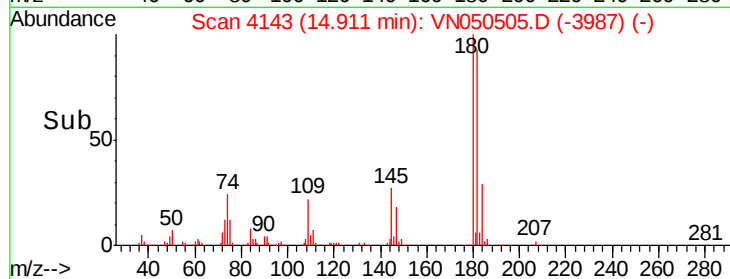
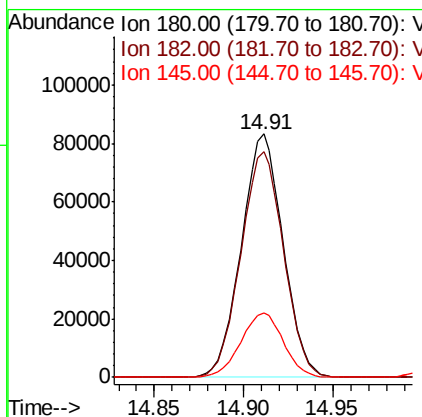
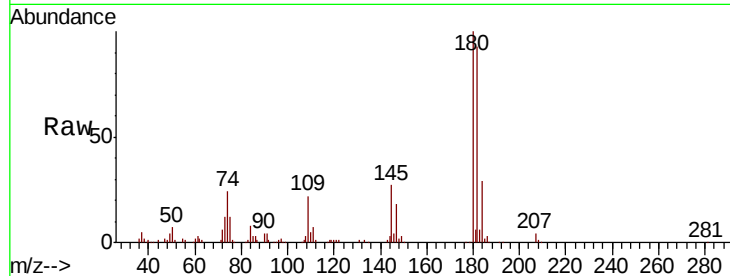
#89
 1,2,4-Trichlorobenzene
 Concen: 17.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136129		
182	94.8	76.7	115.1	
145	27.1	23.4	35.0	

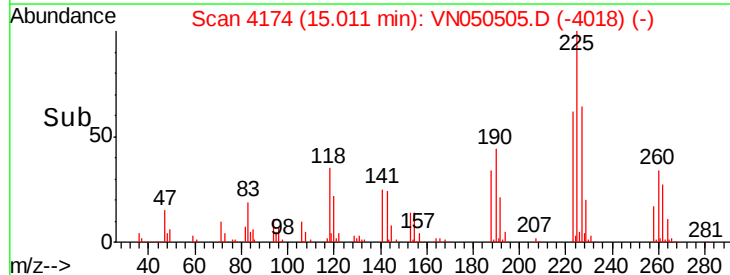
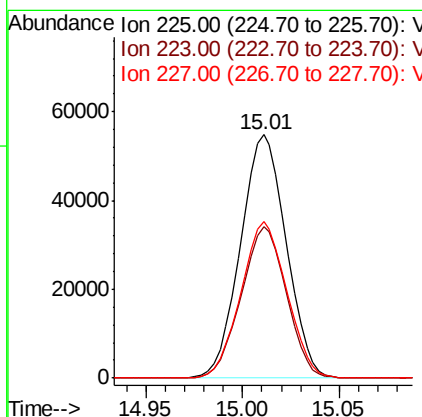
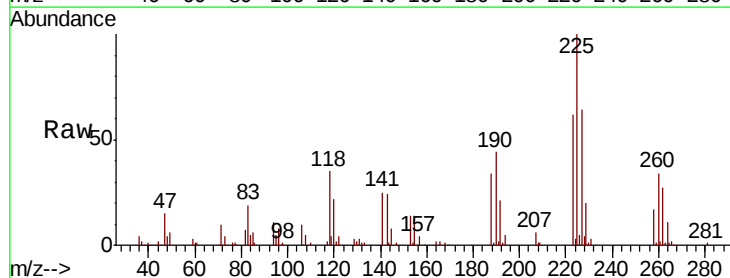
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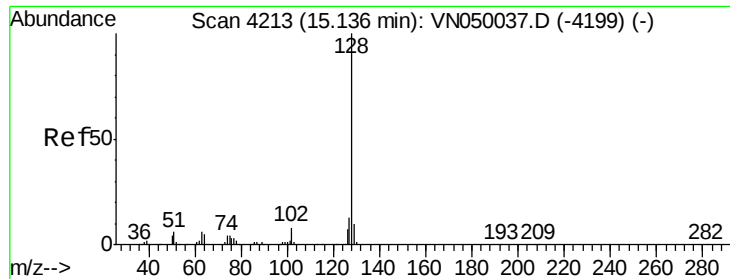
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#90
 Hexachlorobutadiene
 Concen: 17.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050505.D
 Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90101		
223	61.5	0.0	124.4	
227	64.4	0.0	133.0	





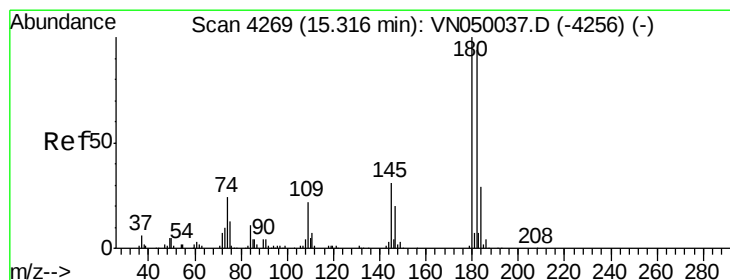
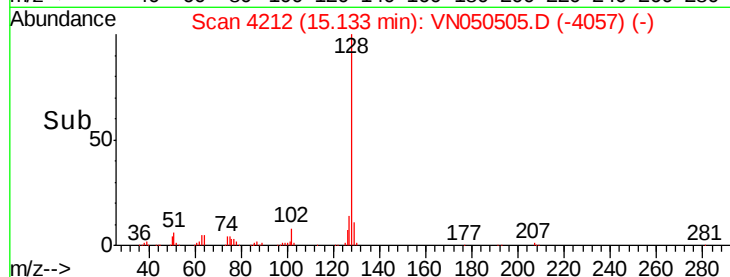
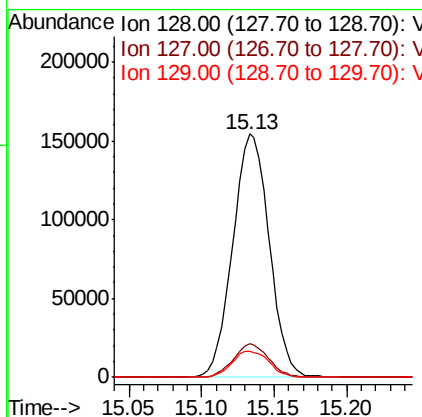
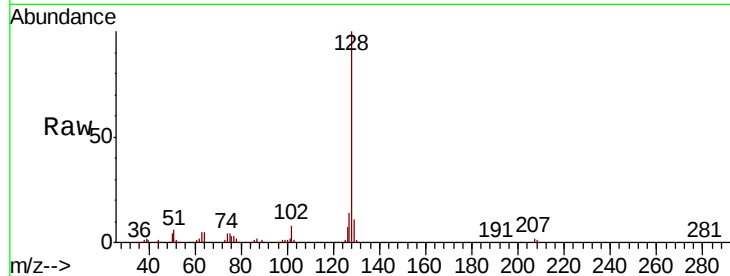
#91
Naphthalene
Concen: 18.70 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.9	9.0	13.4

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.03 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050505.D
Acq: 10 Aug 2018 00:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	188.8
145	30.0	0.0	60.8

