

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054836.D
 Acq On : 31 Mar 2019 7:03
 Operator : JC/SP
 Sample : VN0330WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Manual Integrations
 APPROVED

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 4/1/2019 1:31:57 PM

Quant Time: Apr 01 02:09:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	376245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	296628	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.59	113	227674	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.09	98	831757	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	265403	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	75398	19.812	ug/l	98
3) Chloromethane	2.06	50	109456	20.801	ug/l	99
4) Vinyl Chloride	2.19	62	101152	21.406	ug/l	100
5) Bromomethane	2.58	94	37439	13.469	ug/l	96
6) Chloroethane	2.71	64	60168	22.802	ug/l	97
7) Trichlorofluoromethane	3.02	101	129115	22.224	ug/l	100
8) Diethyl Ether	3.41	74	44605	23.844	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62155	20.323	ug/l	92
10) Methyl Iodide	3.94	142	48309	11.538	ug/l #	86
11) Tert butyl alcohol	4.83	59	38314	144.989	ug/l	98
12) 1,1-Dichloroethene	3.73	96	67891	22.955	ug/l #	75
13) Acrolein	3.61	56	30330	128.387	ug/l	94
14) Allyl chloride	4.32	41	149324	20.498	ug/l #	91
15) Acrylonitrile	5.00	53	187715	127.801	ug/l	99
16) Acetone	3.82	43	138398	114.429	ug/l #	83
17) Carbon Disulfide	4.04	76	191535	19.967	ug/l	97
18) Methyl Acetate	4.33	43	87796	27.455	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	253905	24.543	ug/l	96
20) Methylene Chloride	4.54	84	97146	22.771	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87129	22.429	ug/l	89
22) Diisopropyl ether	5.96	45	339201	23.543	ug/l #	94
23) Vinyl Acetate	5.90	43	1213684	121.047	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	181324	23.592	ug/l	99
25) 2-Butanone	6.85	43	230829	129.112	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	55405	10.285	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101641	23.161	ug/l	93
28) Bromochloromethane	7.20	49	92046	23.950	ug/l #	71
29) Tetrahydrofuran	7.23	42	163157	131.395	ug/l #	84
30) Chloroform	7.37	83	174096	23.755	ug/l	96
31) Cyclohexane	7.65	56	161726	21.937	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	139854	23.027	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126533	19.854	ug/l	95
37) Ethyl Acetate	6.94	43	109355	23.399	ug/l #	94
38) Carbon Tetrachloride	7.78	117	118561	19.153	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120483	17.196	ug/l #	88
40) Benzene	8.04	78	386993	21.221	ug/l	98
41) Methacrylonitrile	7.18	41	58515	22.288	ug/l	91
42) 1,2-Dichloroethane	8.13	62	141583	21.744	ug/l	97
43) Isopropyl Acetate	8.17	43	176117	23.192	ug/l #	93
44) Trichloroethene	8.84	130	97429	20.581	ug/l	86
45) 1,2-Dichloropropane	9.12	63	108125	20.794	ug/l	97
46) Dibromomethane	9.21	93	63610	21.746	ug/l	87
47) Bromodichloromethane	9.40	83	129236	21.259	ug/l	94
48) Methyl methacrylate	9.20	41	89225	21.675	ug/l #	87
49) 1,4-Dioxane	9.21	88	21020	514.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	508379	119.072	ug/l	93
52) Toluene	10.16	92	224917	20.727	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103787	18.149	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	129143	18.905	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	87900	21.785	ug/l	96
56) Ethyl methacrylate	10.43	69	117345	22.170	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	152860	22.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219003	102.431	ug/l #	88
59) 2-Hexanone	10.75	43	316507	115.803	ug/l	91
60) Dibromochloromethane	10.90	129	87671	21.450	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81350	21.097	ug/l	97
64) Tetrachloroethene	10.63	164	94702	21.217	ug/l	97
65) Chlorobenzene	11.43	112	234083	20.555	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	89077	20.897	ug/l	98
67) Ethyl Benzene	11.51	91	417566	20.319	ug/l	97
68) m/p-Xylenes	11.62	106	302460	39.771	ug/l	92
69) o-Xylene	11.95	106	148884	19.964	ug/l	93
70) Styrene	11.96	104	247628	20.768	ug/l	97
71) Bromoform	12.13	173	52055	20.845	ug/l #	98
73) Isopropylbenzene	12.25	105	396960	20.642	ug/l	98
74) N-amyl acetate	12.07	43	134949	22.525	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	107670	24.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	89709m	21.948	ug/l	
77) Bromobenzene	12.53	156	96184	20.724	ug/l	83
78) n-propylbenzene	12.59	91	422455	19.987	ug/l	96
79) 2-Chlorotoluene	12.67	91	267770	20.477	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	319471	20.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17326	16.488	ug/l #	79
82) 4-Chlorotoluene	12.77	91	256345	20.183	ug/l	95
83) tert-Butylbenzene	12.99	119	273213	21.142	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	312530	20.790	ug/l	96
85) sec-Butylbenzene	13.17	105	343270	20.026	ug/l	96
86) p-Isopropyltoluene	13.29	119	287890	19.042	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156709	20.167	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	148674	19.508	ug/l	98
89) n-Butylbenzene	13.62	91	211035	17.109	ug/l	97
90) Hexachloroethane	13.87	117	49140	19.144	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	159586	20.349	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15416	23.449	ug/l	82

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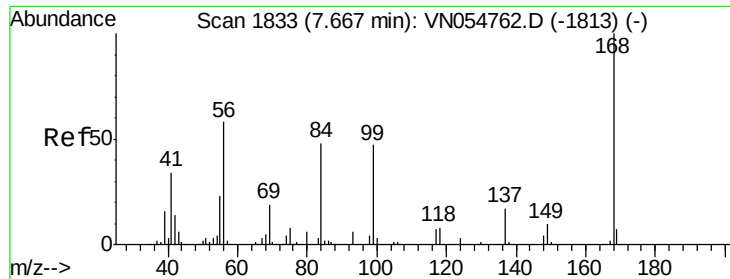
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65174	17.238	ug/l	97
94) Hexachlorobutadiene	15.01	225	41624	17.210	ug/l	98
95) Naphthalene	15.13	128	159629	18.825	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	69752	18.268	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion:168 Resp: 376245

Ion Ratio Lower Upper

168 100

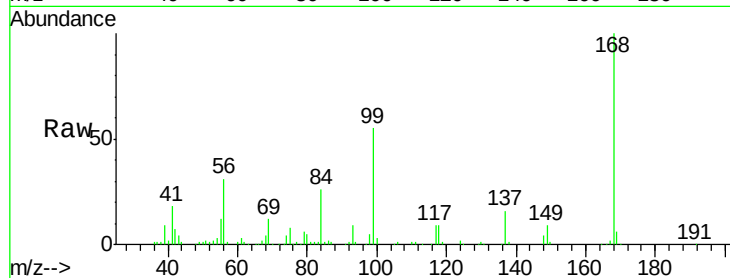
99 53.7 37.1 55.7

Manual Integrations

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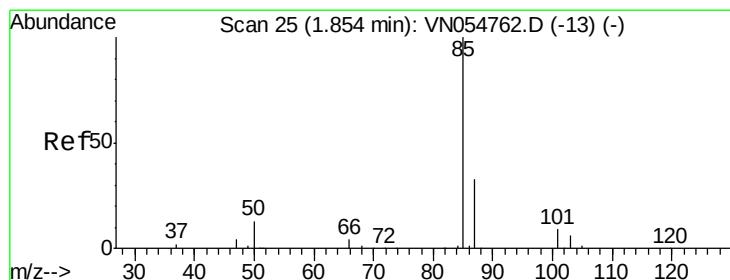
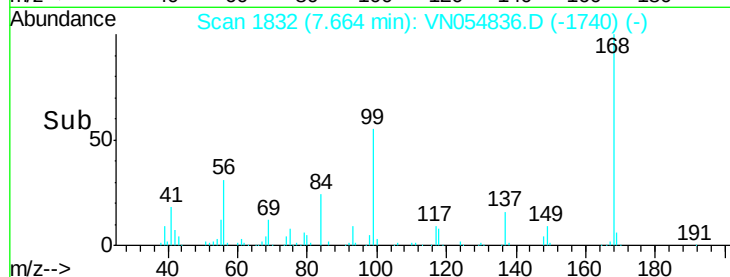
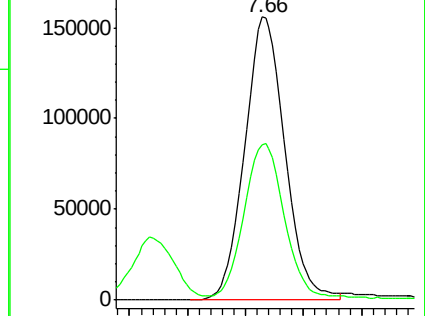
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 19.812 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054836.D

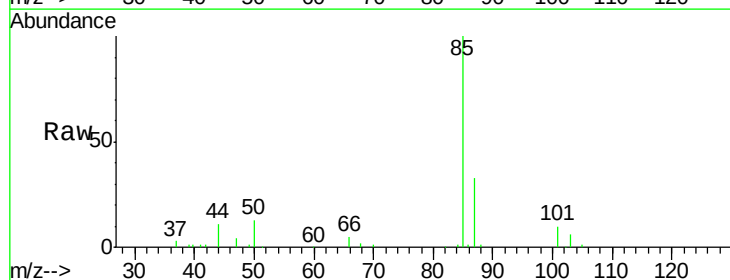
Acq: 31 Mar 2019 7:03

Tgt Ion: 85 Resp: 75398

Ion Ratio Lower Upper

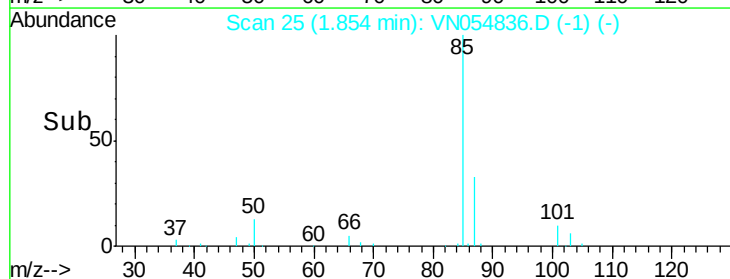
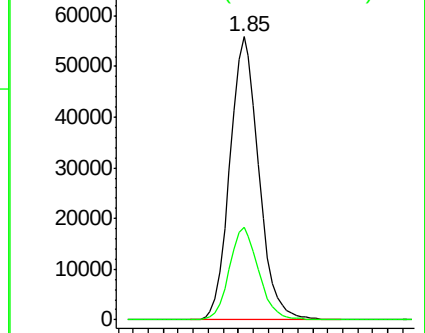
85 100

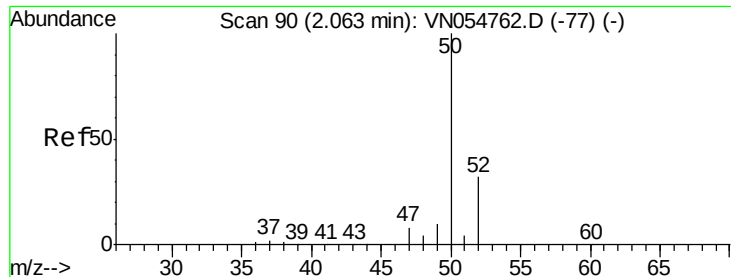
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 20.801 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 50 Resp: 109456

Ion Ratio Lower Upper

50 100

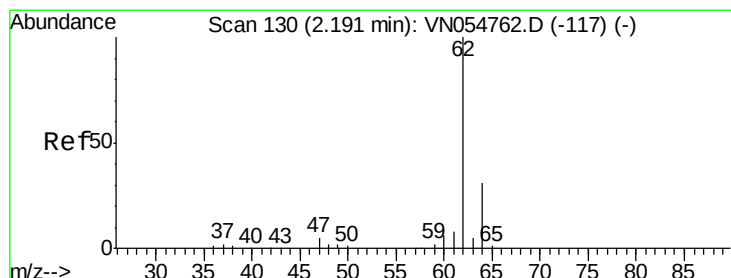
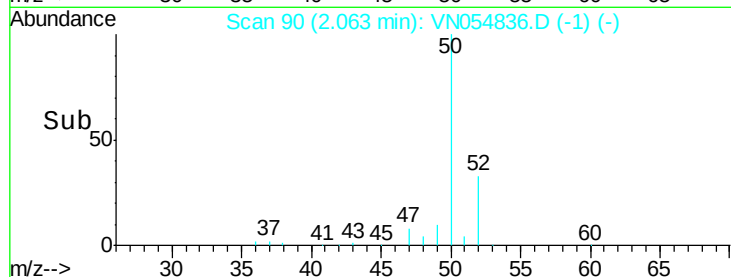
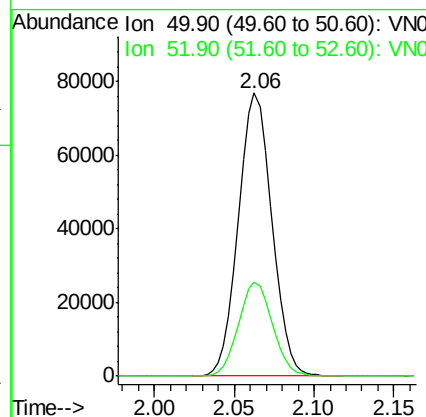
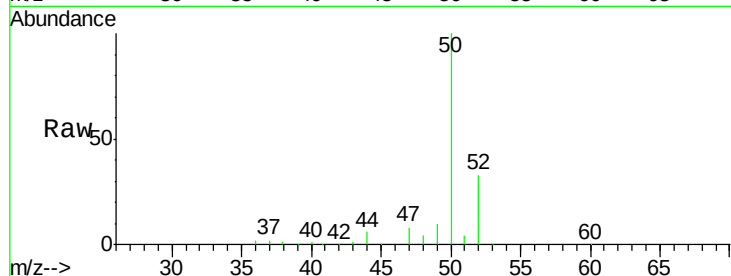
52 33.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.406 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054836.D

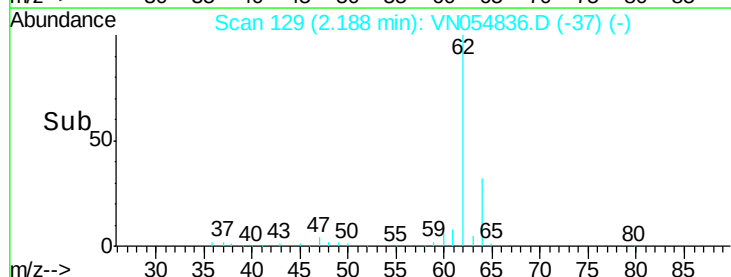
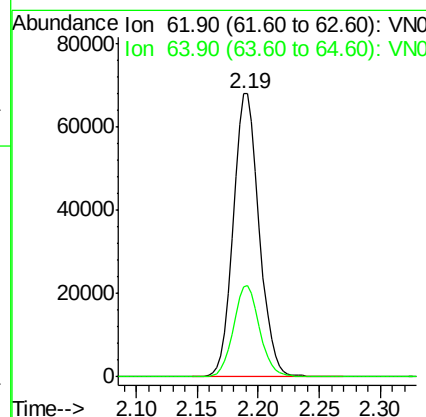
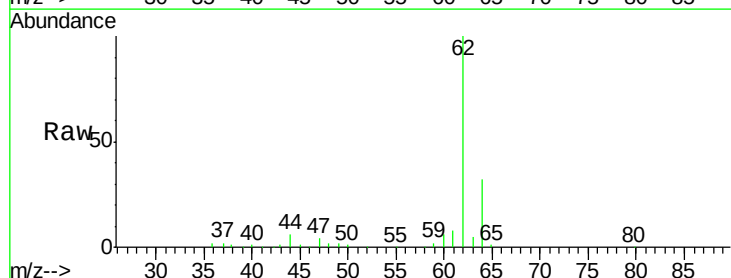
Acq: 31 Mar 2019 7:03

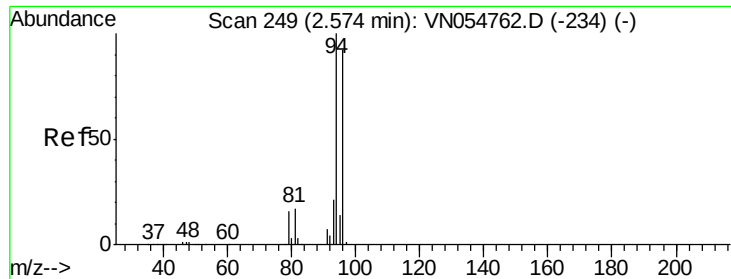
Tgt Ion: 62 Resp: 101152

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 13.469 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 94 Resp: 37439

Ion Ratio Lower Upper

94 100

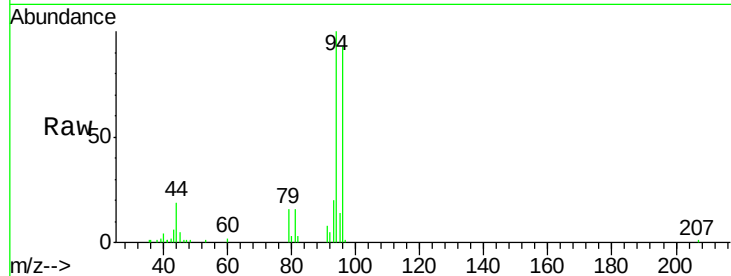
96 92.6 77.0 115.4

Manual Integrations

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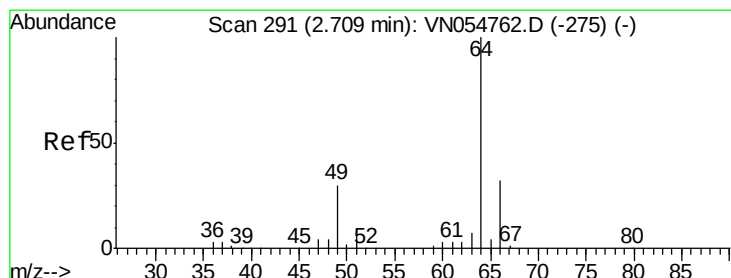
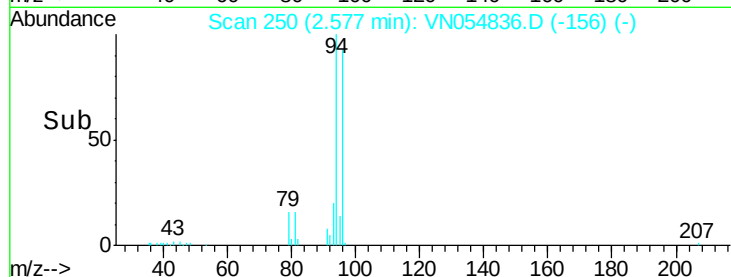
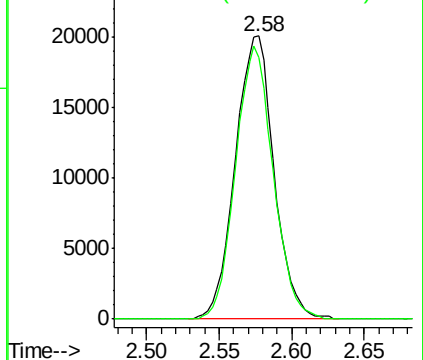
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054836.D

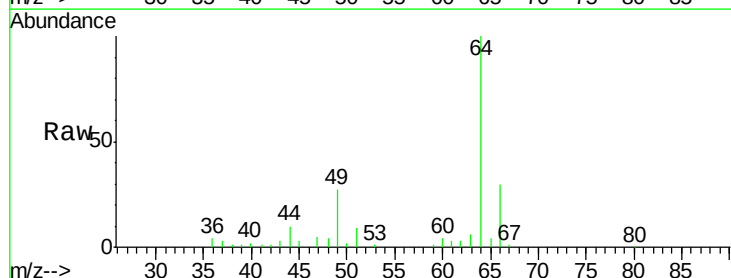
Acq: 31 Mar 2019 7:03

Tgt Ion: 64 Resp: 60168

Ion Ratio Lower Upper

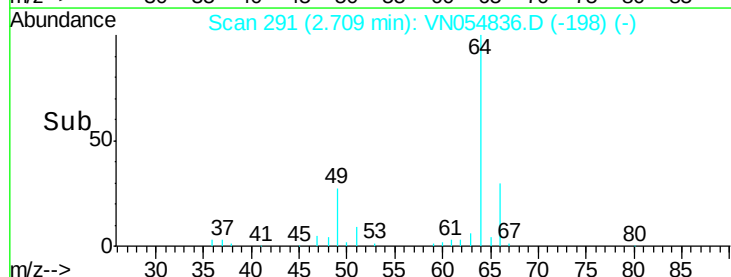
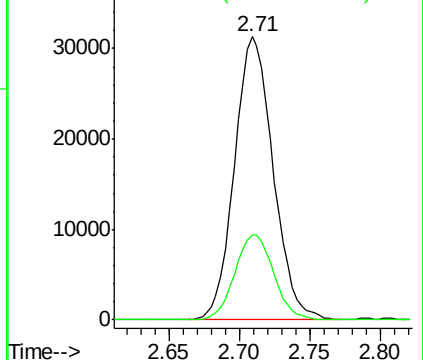
64 100

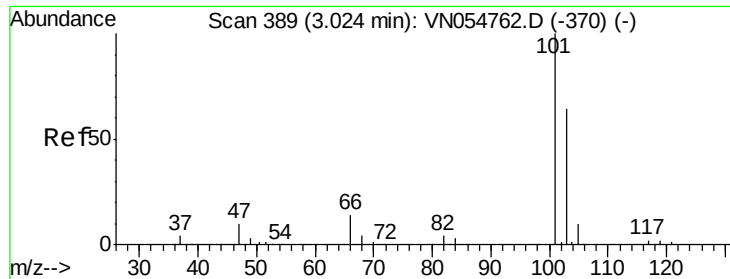
66 30.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

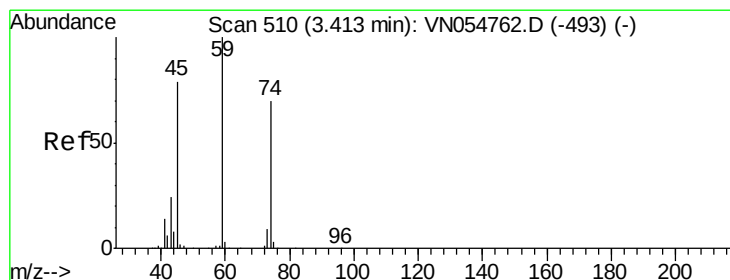
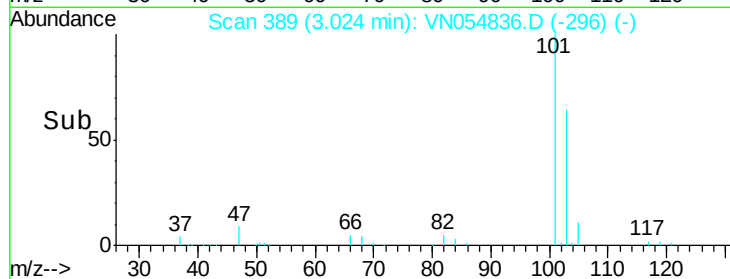
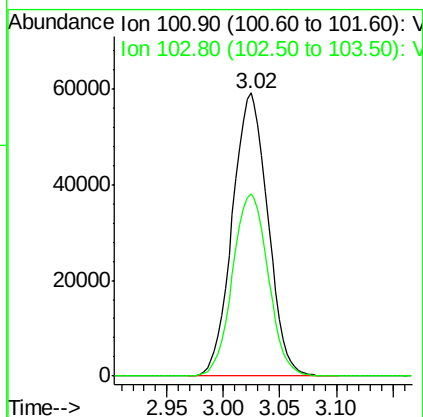
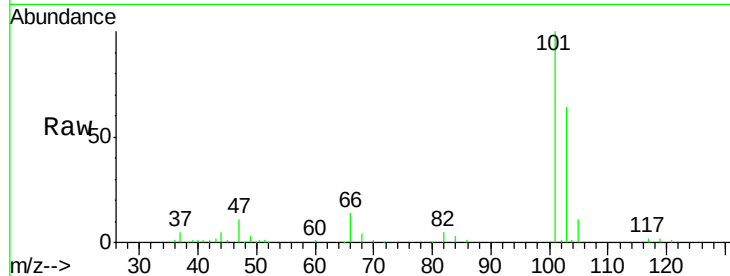
Trichlorofluoromethane
Concen: 22.224 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
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VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

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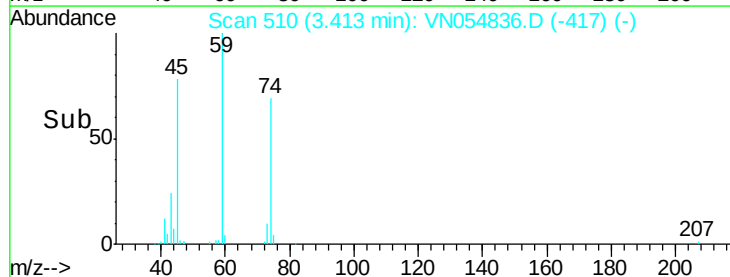
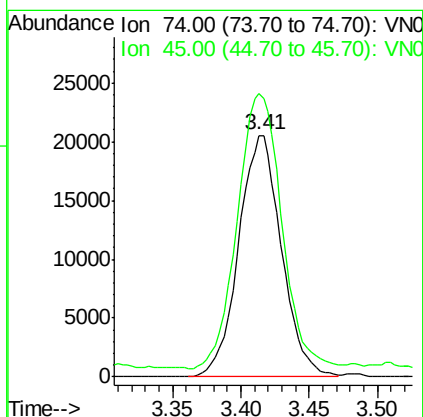
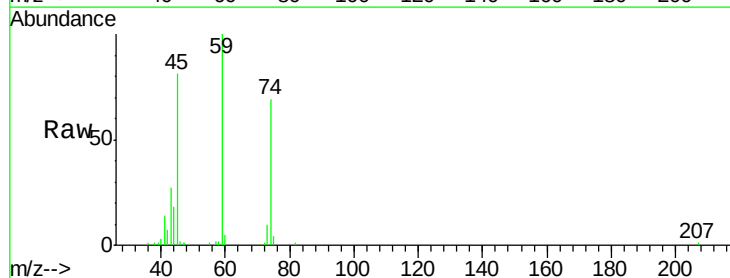
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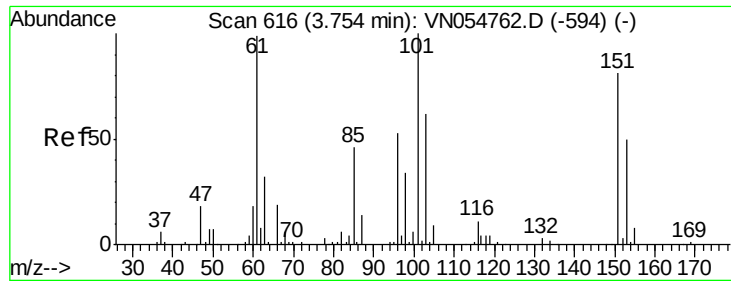


#8

Diethyl Ether
Concen: 23.844 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.323 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

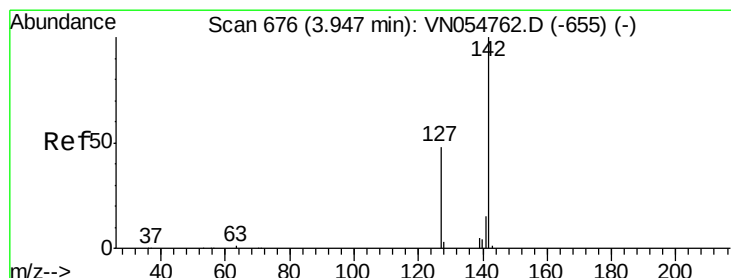
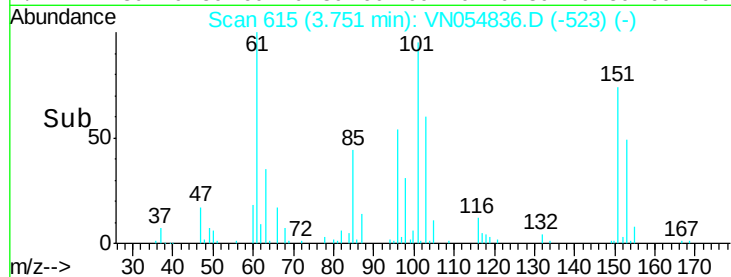
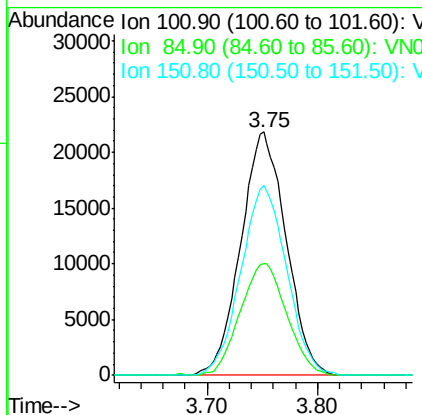
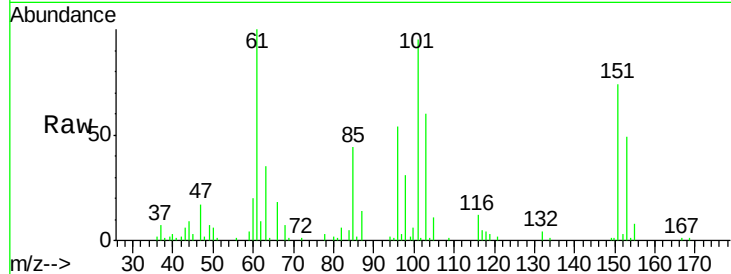
ClientSampleId :

VN0330WBSD02

Tot Ion:	101	Resp:	62155
Ion Ratio	Lower	Upper	
101	100		
85	47.1	32.4	48.6
151	78.7	68.2	102.2

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#10

Methyl Iodide

Concen: 11.538 ug/l

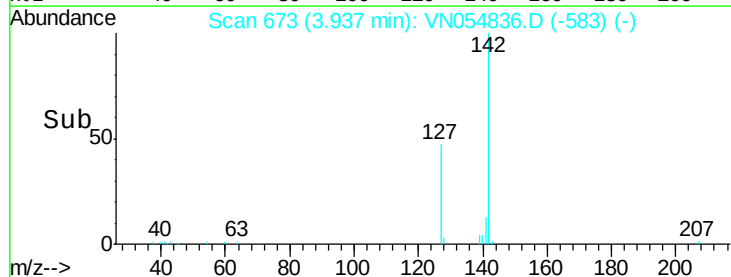
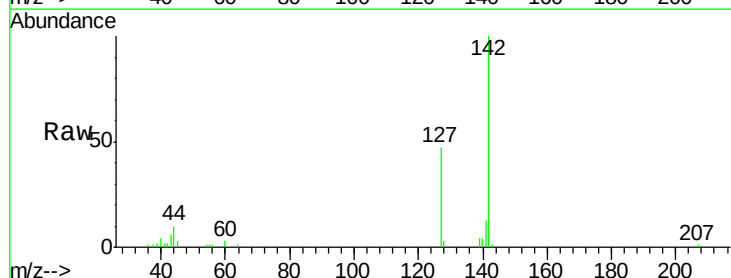
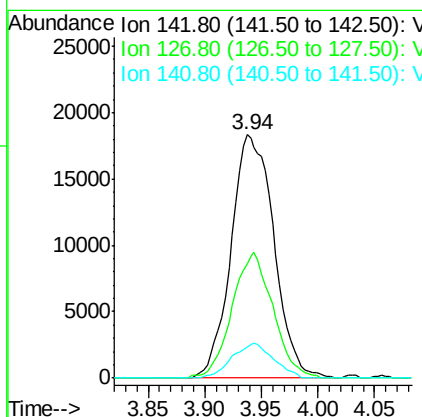
RT: 3.94 min Scan# 673

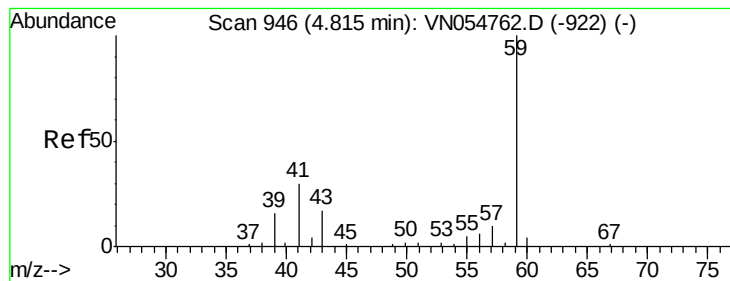
Delta R.T. -0.01 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	142	Resp:	48309
Ion Ratio	Lower	Upper	
142	100		
127	49.2	30.3	45.5#
141	13.9	11.2	16.8





#11

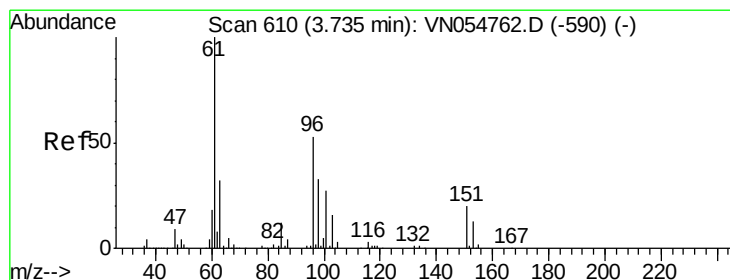
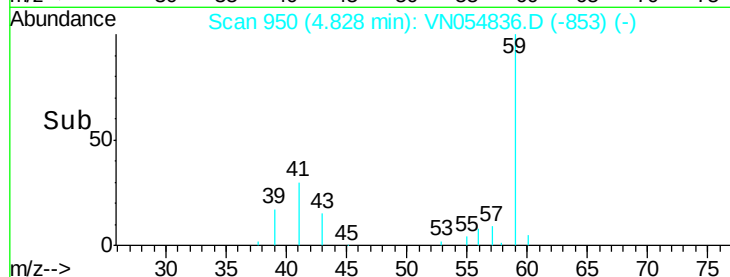
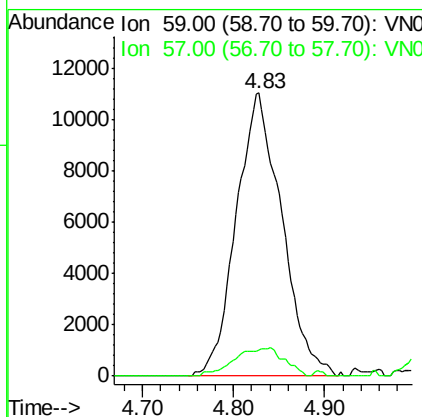
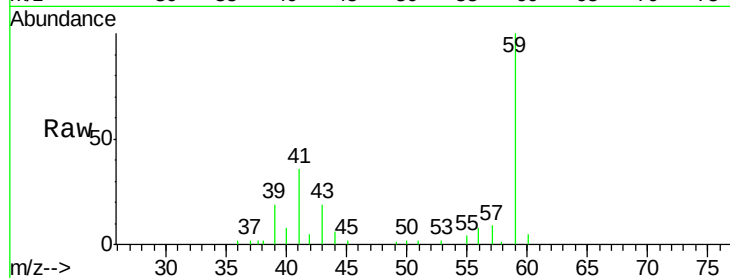
Tert butyl alcohol
Concen: 144.989 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

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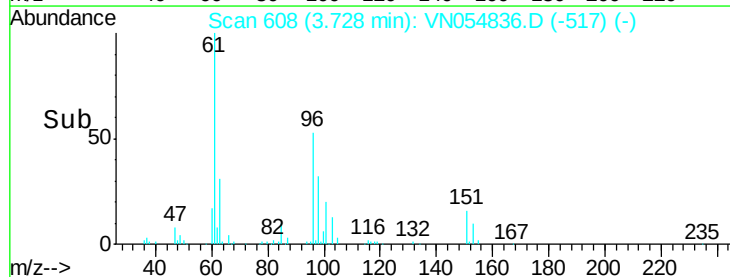
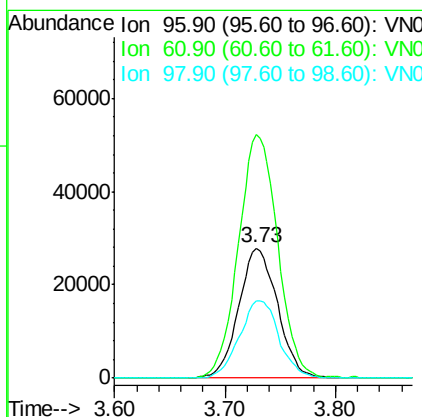
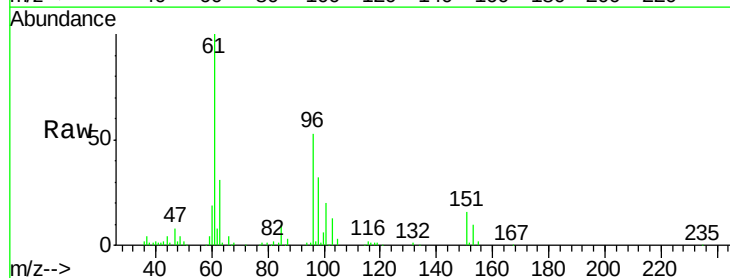
MMDadoda
4/1/2019 1:31:57 PM

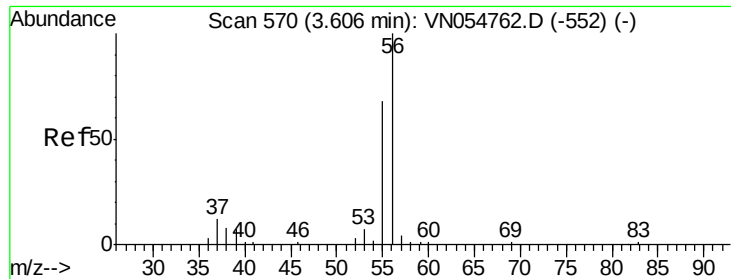


#12

1,1-Dichloroethene
Concen: 22.955 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	116.5	174.7#
98	59.3	51.0	76.4





#13

Acrolein

Concen: 128.387 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 56 Resp: 30330

Ion Ratio Lower Upper

56 100

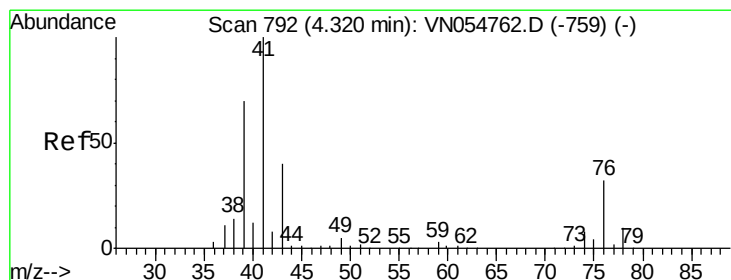
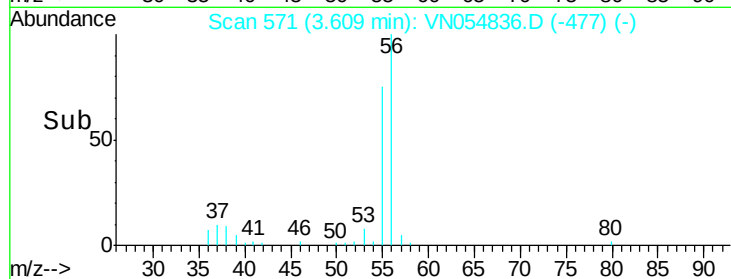
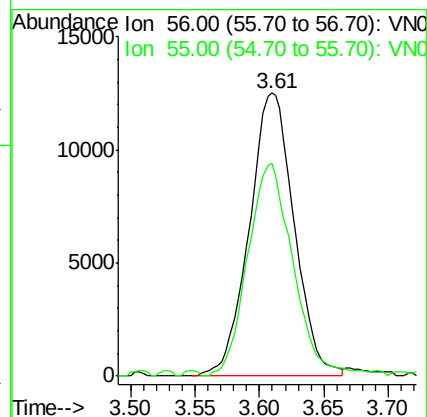
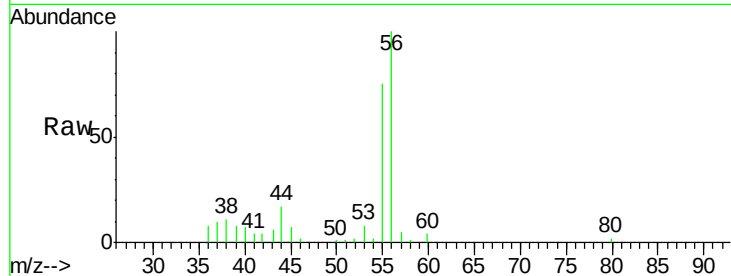
55 76.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.498 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

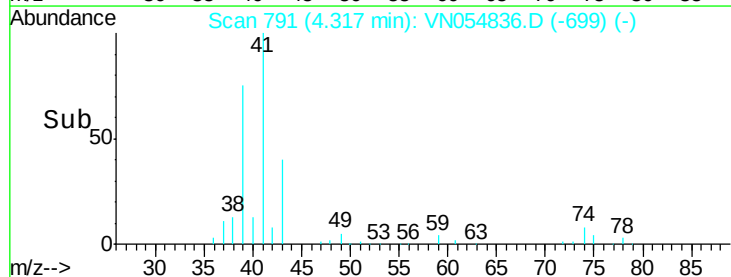
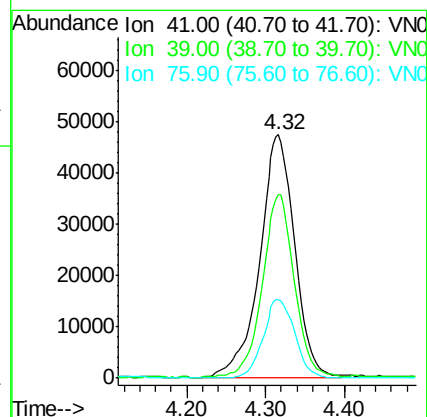
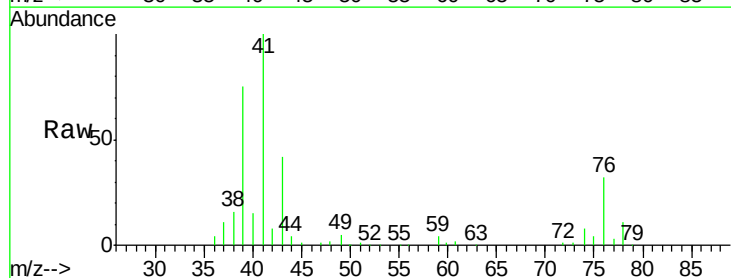
Tgt Ion: 41 Resp: 149324

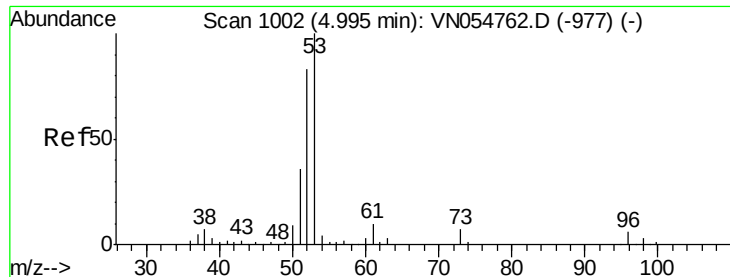
Ion Ratio Lower Upper

41 100

39 69.4 58.2 87.4

76 29.0 31.7 47.5#





#15

Acrylonitrile

Concen: 127.801 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

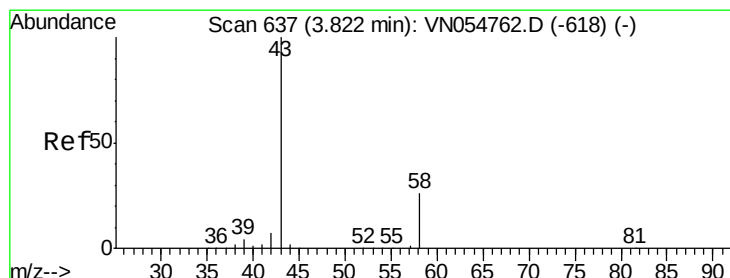
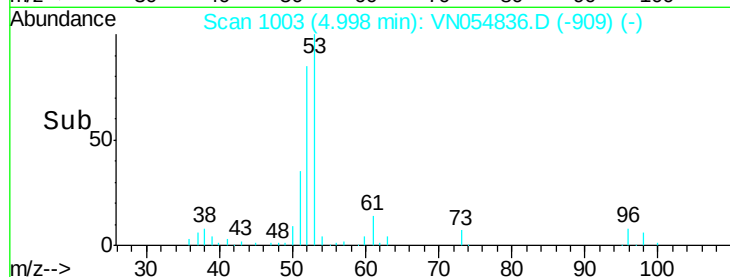
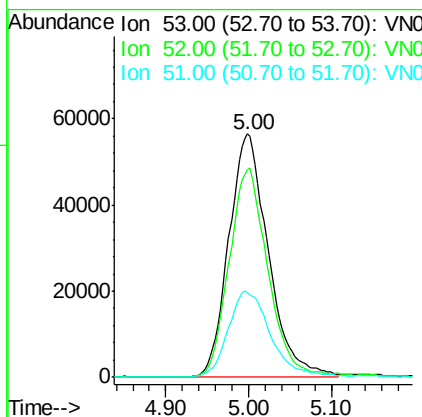
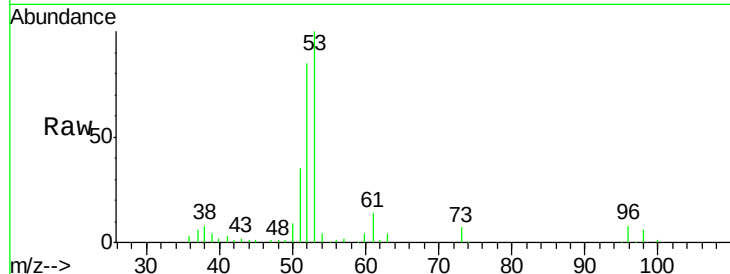
ClientSampleId :

VN0330WBSD02

Tot Ion:	53	Resp:	187715
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.4	99.6
51	38.0	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 114.429 ug/l

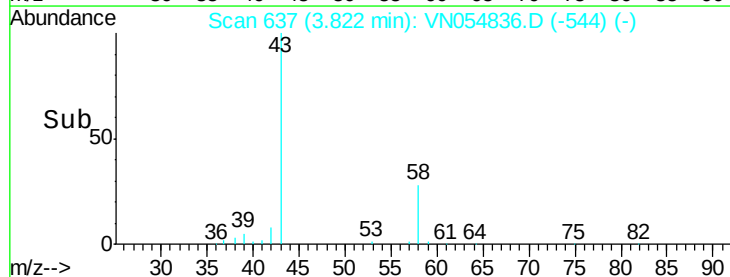
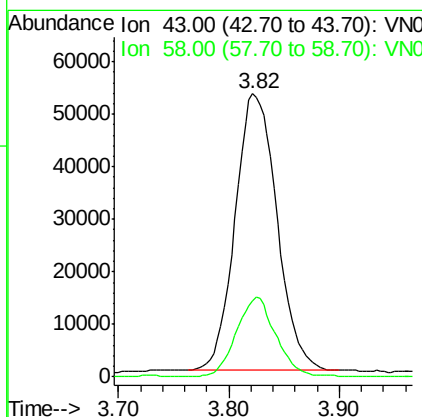
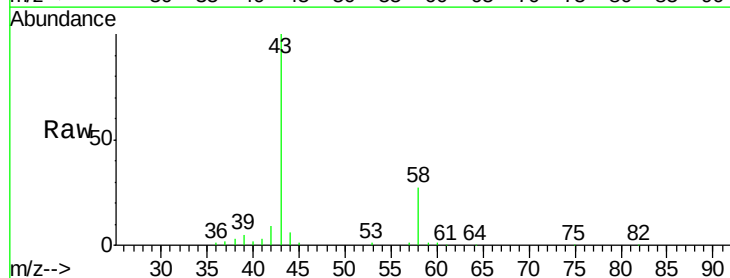
RT: 3.82 min Scan# 637

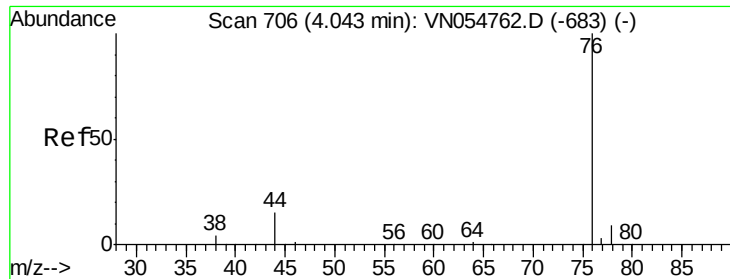
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	43	Resp:	138398
Ion	Ratio	Lower	Upper
43	100		
58	27.3	29.9	44.9#





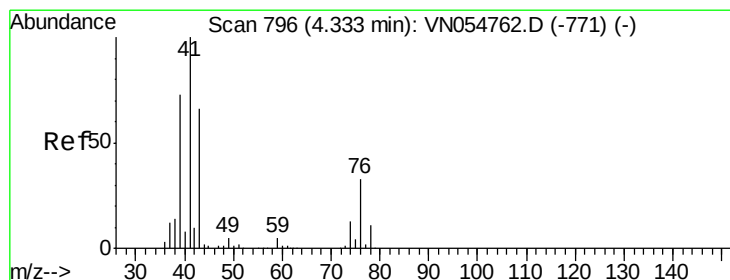
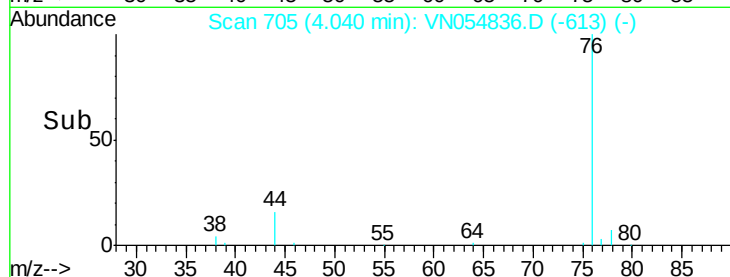
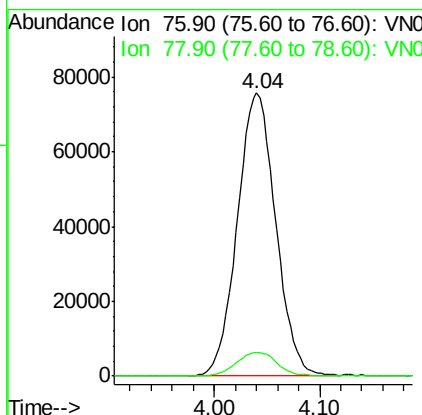
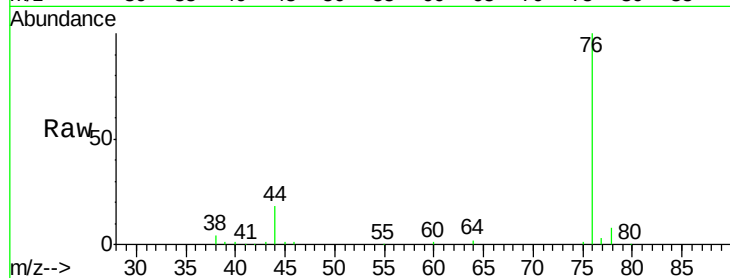
#17
Carbon Disulfide
Concen: 19.967 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

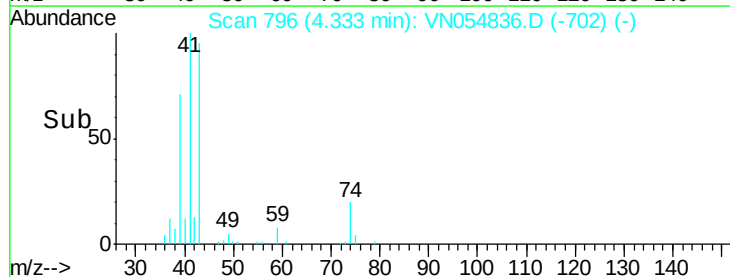
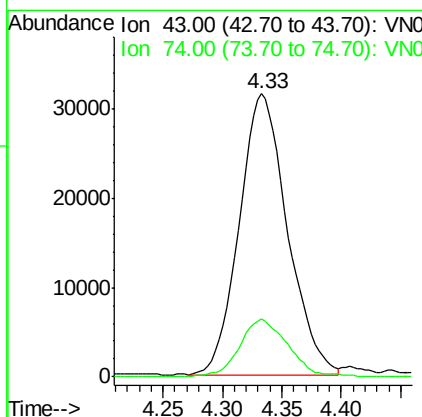
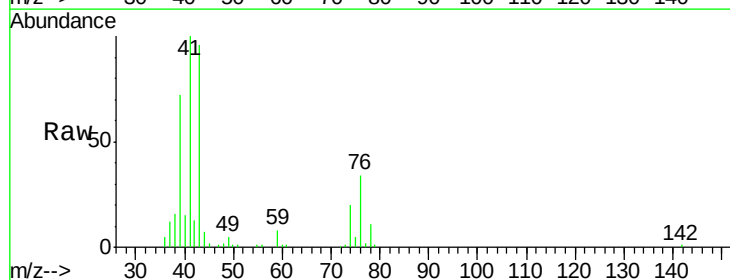
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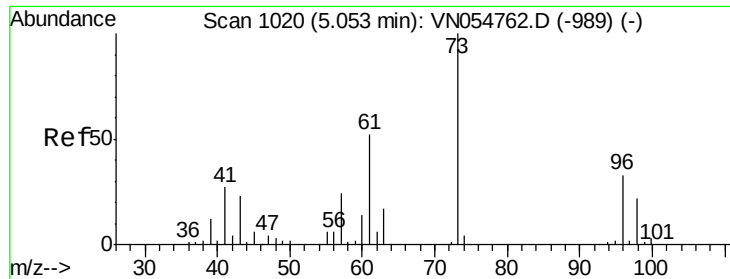
MMDadoda
4/1/2019 1:31:57 PM



#18
Methyl Acetate
Concen: 27.455 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	20.8	31.2#





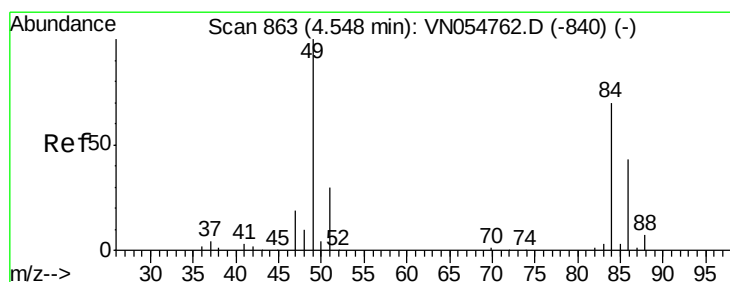
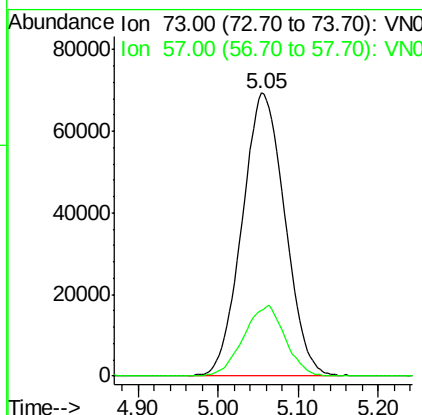
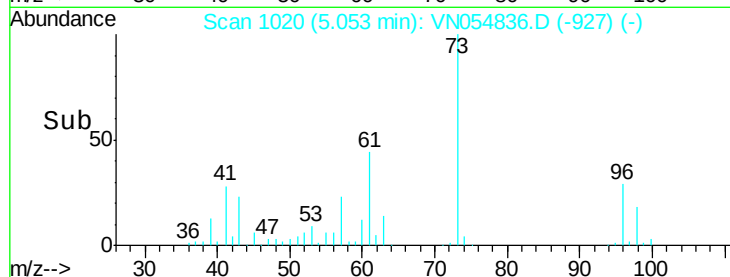
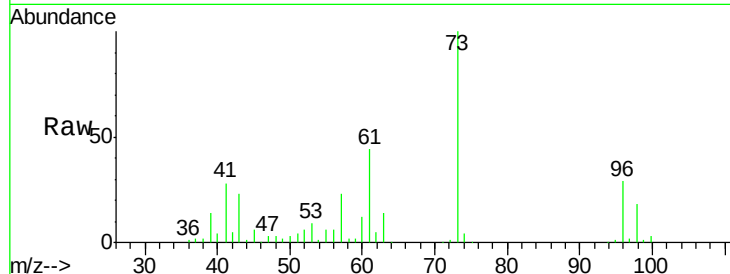
#19
Methyl tert-butyl Ether
Concen: 24.543 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion: 73 Resp: 253905
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

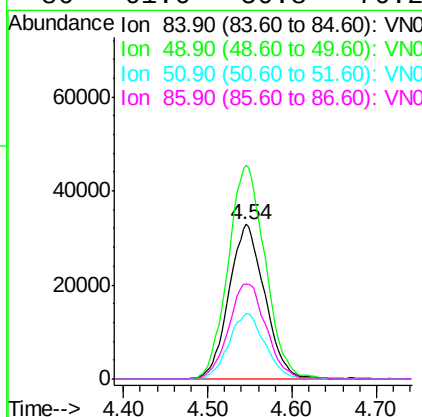
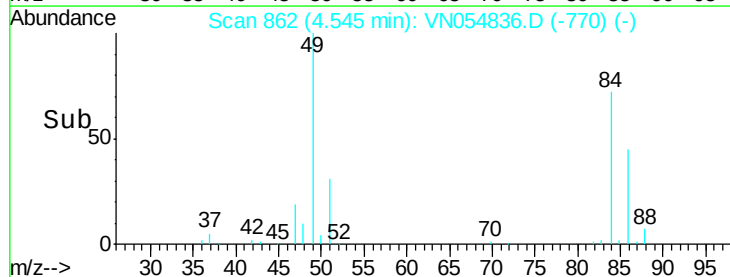
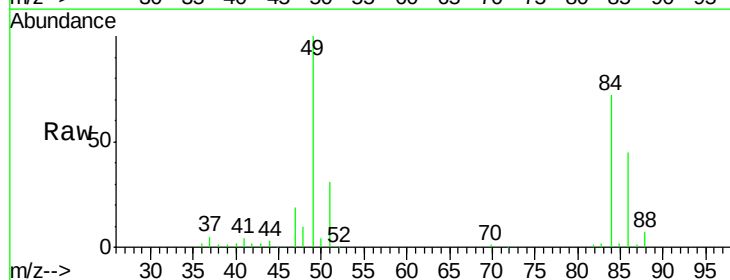
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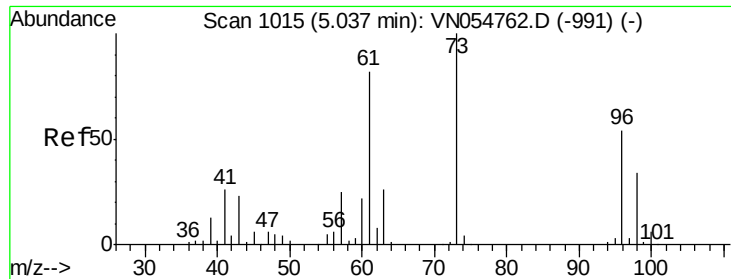
MMDadoda
4/1/2019 1:31:57 PM



#20
Methylene Chloride
Concen: 22.771 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 84 Resp: 97146
Ion Ratio Lower Upper
84 100
49 138.2 89.7 134.5#
51 42.5 28.2 42.4#
86 61.6 50.8 76.2





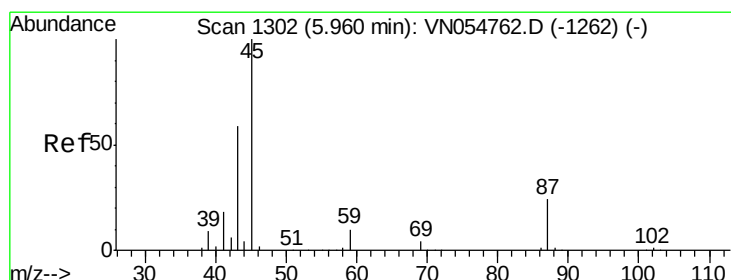
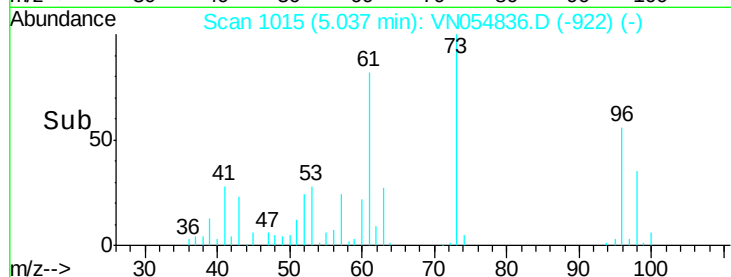
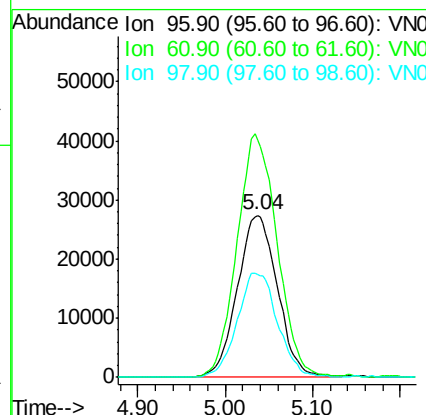
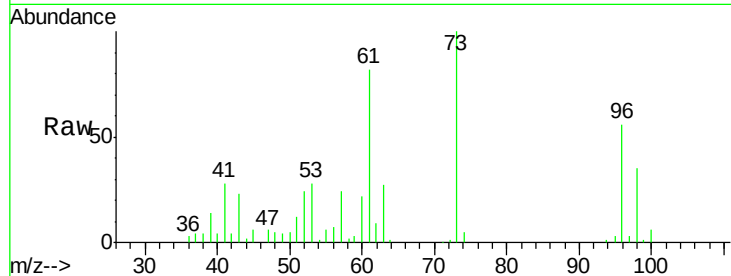
#21
trans-1,2-Dichloroethene
Concen: 22.429 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	102.8	154.2
98	63.3	50.0	75.0

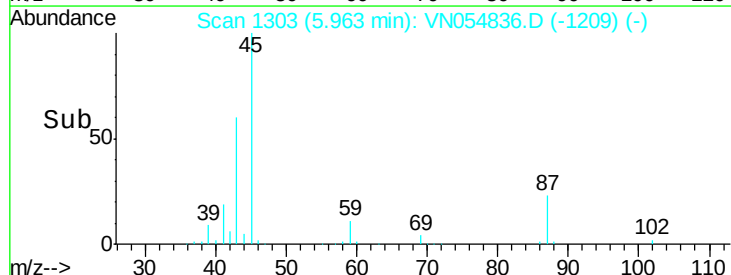
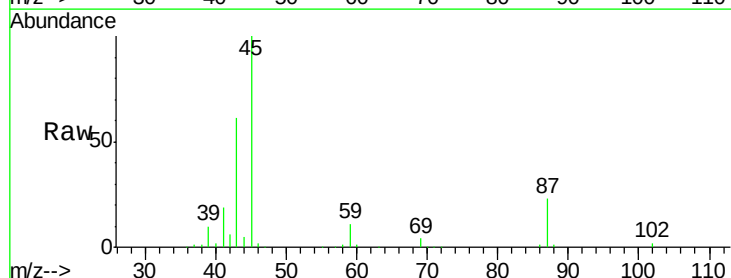
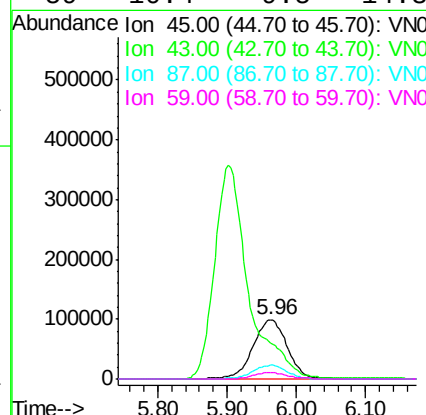
Manual Integrations
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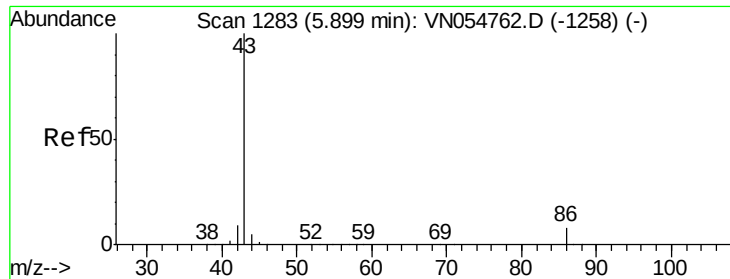
MMDadoda
4/1/2019 1:31:57 PM



#22
Diisopropyl ether
Concen: 23.543 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	48.2	72.2
87	23.0	24.9	37.3
59	10.4	9.5	14.3





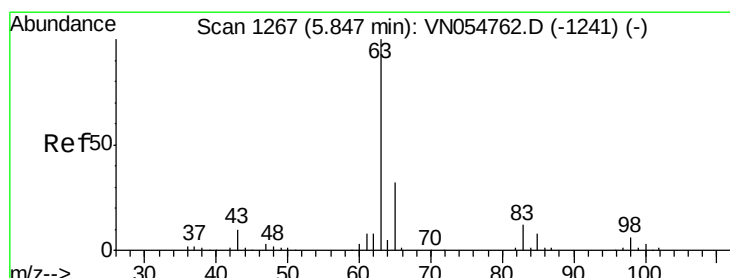
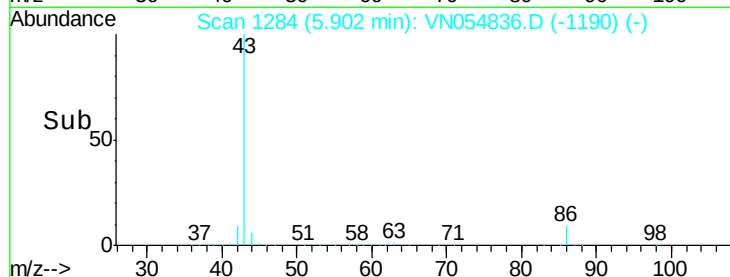
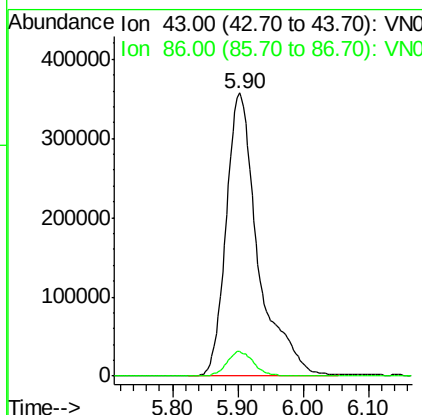
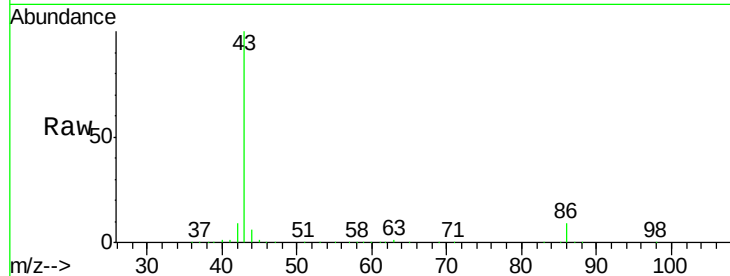
#23
 Vinyl Acetate
 Concen: 121.047 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion: 43 Resp: 1213684
 Ion Ratio Lower Upper
 43 100
 86 8.7 9.1 13.7#

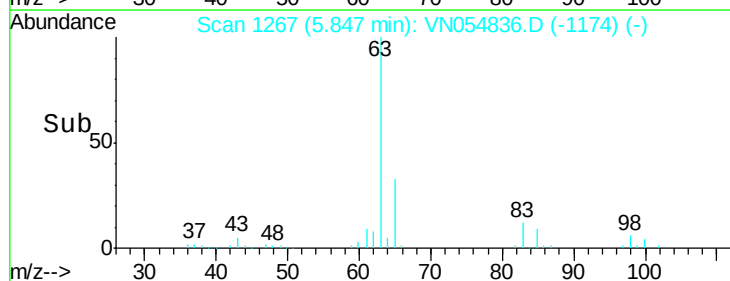
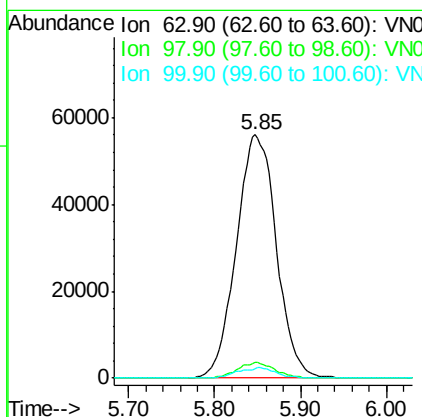
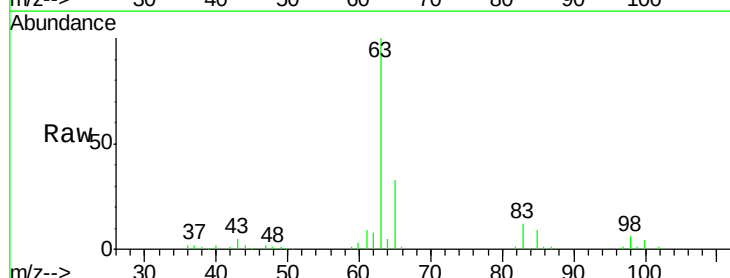
Manual Integrations
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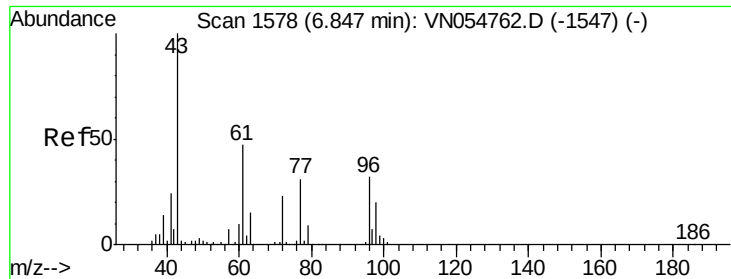
MMDadoda
 4/1/2019 1:31:57 PM



#24
 1,1-Dichloroethane
 Concen: 23.592 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 63 Resp: 181324
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 129.112 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 43 Resp: 230829

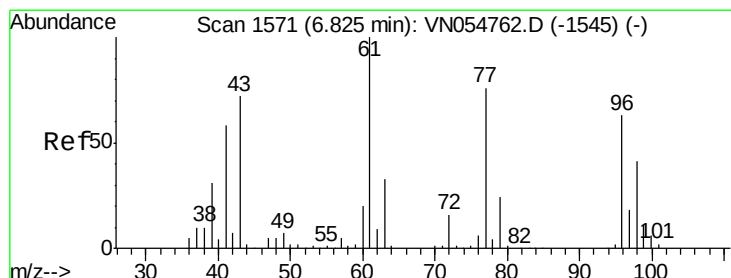
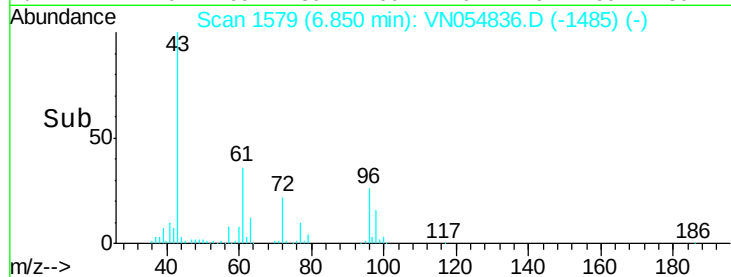
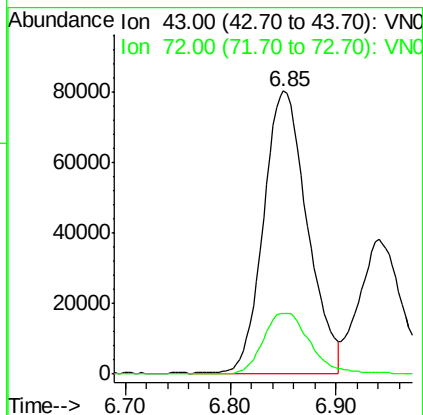
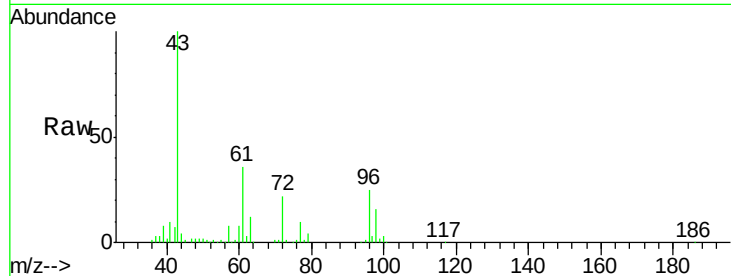
Ion Ratio Lower Upper

43 100

72 21.7 23.0 34.6#

Manual Integrations
APPROVED

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4/1/2019 1:31:57 PM



#26

2,2-Dichloropropane

Concen: 10.285 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054836.D

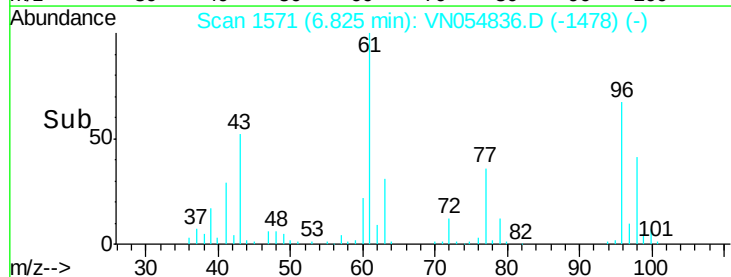
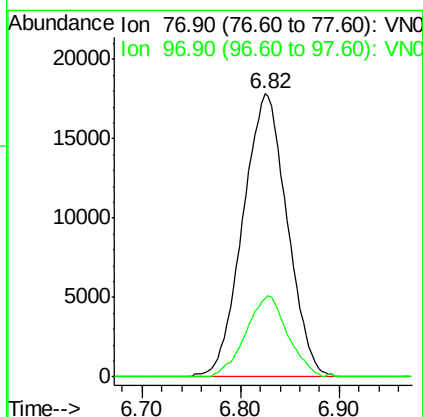
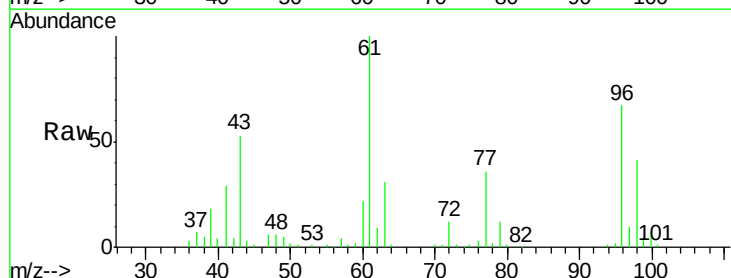
Acq: 31 Mar 2019 7:03

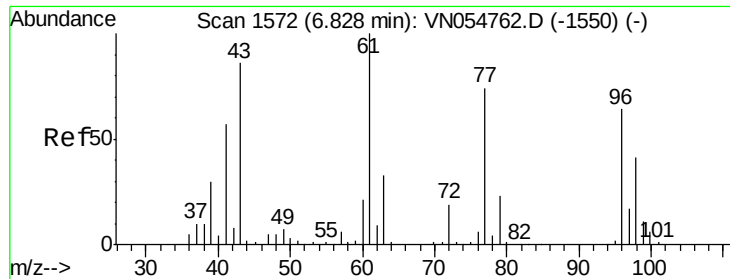
Tgt Ion: 77 Resp: 55405

Ion Ratio Lower Upper

77 100

97 27.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 23.161 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

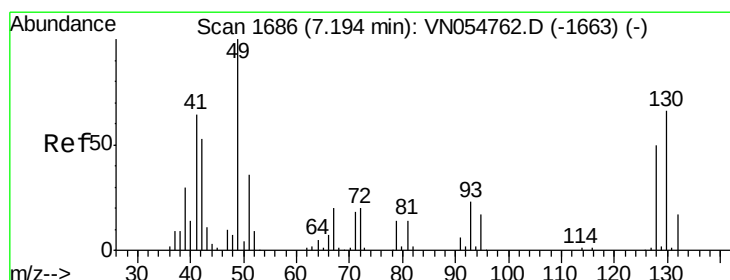
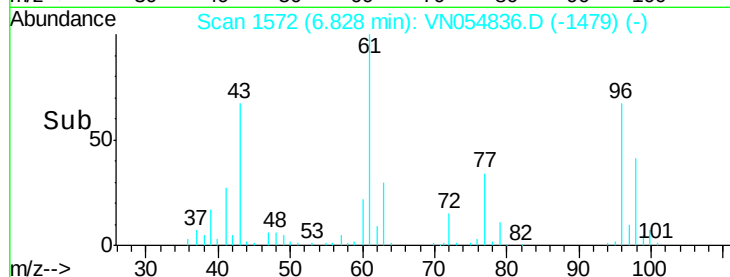
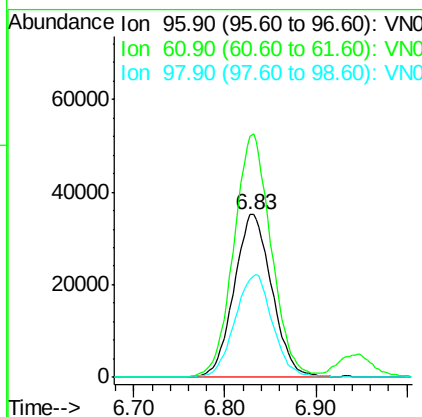
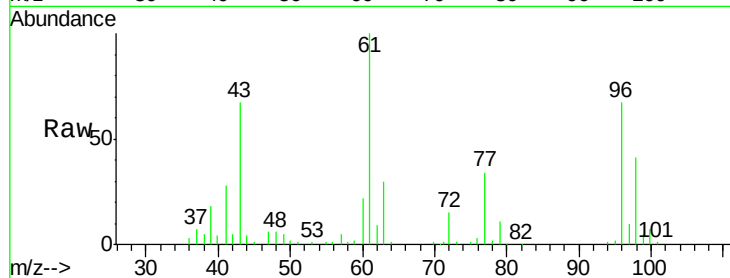
ClientSampleId :

VN0330WBSD02

Tot Ion:	96	Resp:	101641
Ion Ratio	Lower	Upper	
96	100		
61	147.6	0.0	273.0
98	62.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 23.950 ug/l

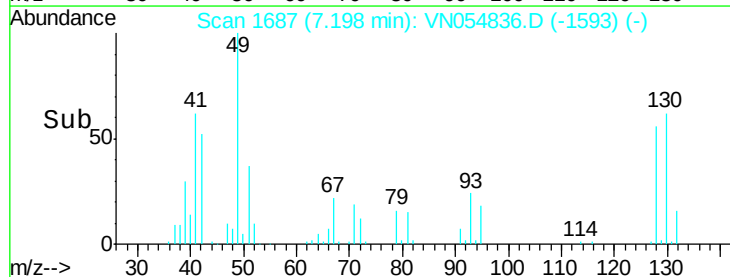
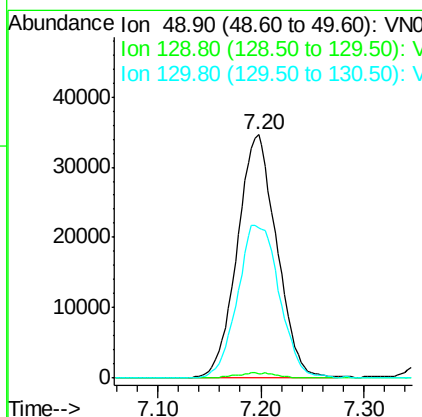
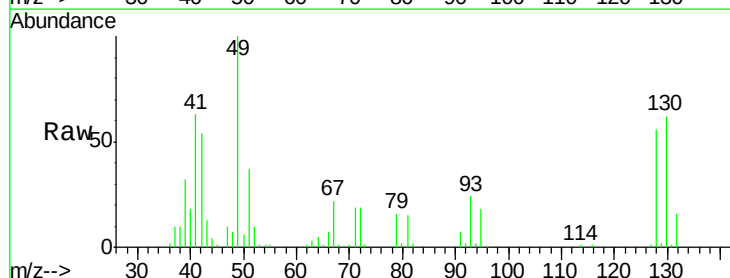
RT: 7.20 min Scan# 1687

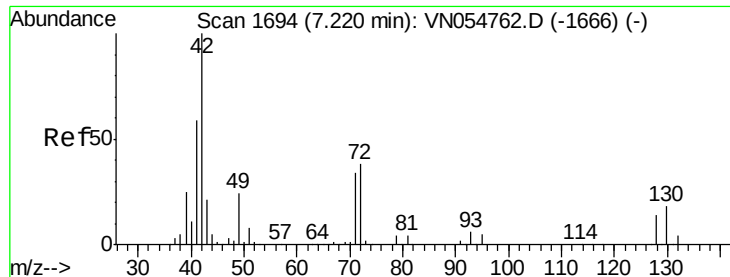
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	49	Resp:	92046
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	66.7	76.7	115.1#





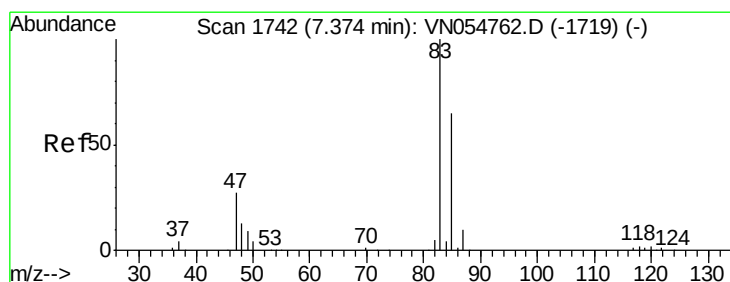
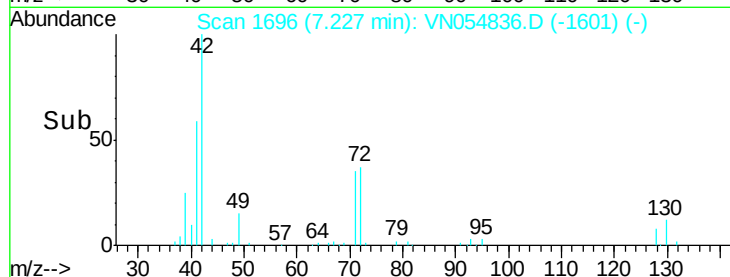
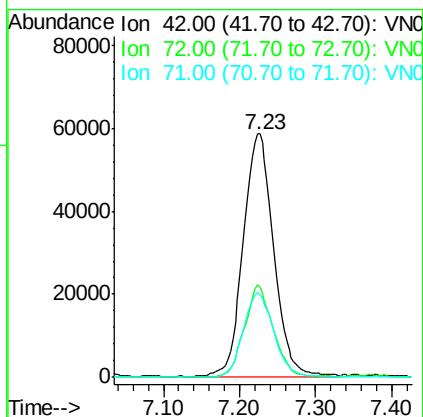
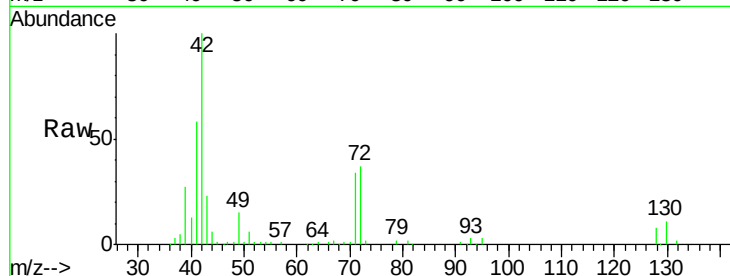
#29
Tetrahydrofuran
Concen: 131.395 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	37.8	56.6#
71	35.0	36.2	54.2#

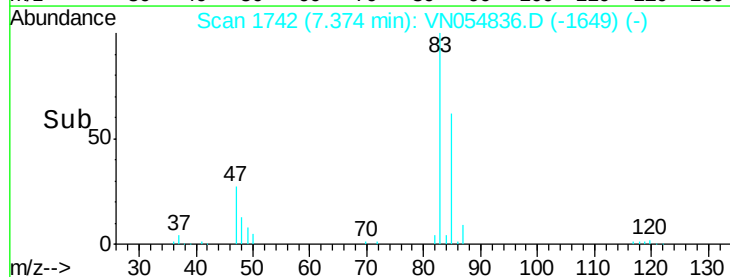
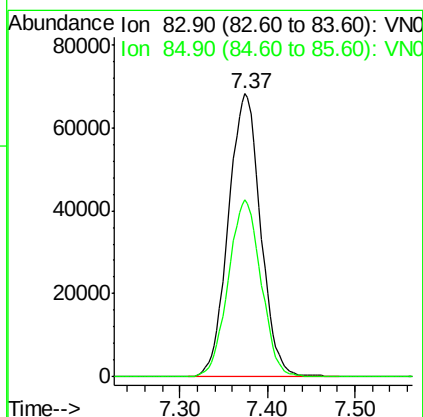
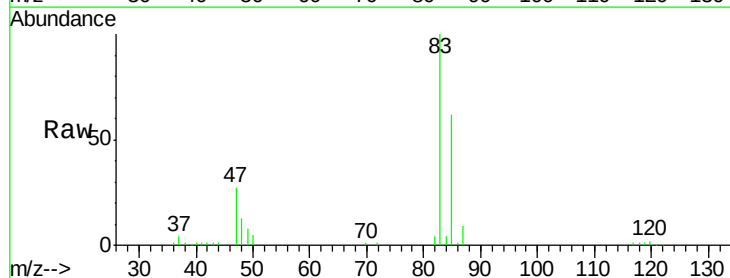
Manual Integrations
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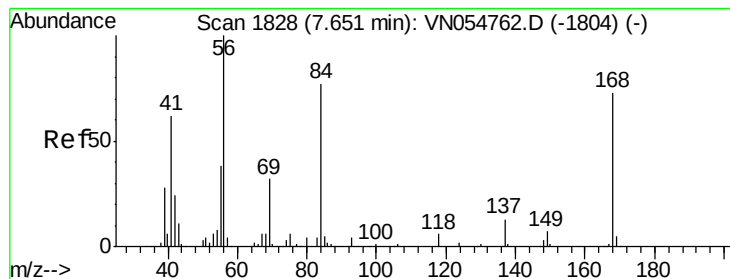
MMDadoda
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#30
Chloroform
Concen: 23.755 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4





#31

Cyclohexane

Concen: 21.937 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

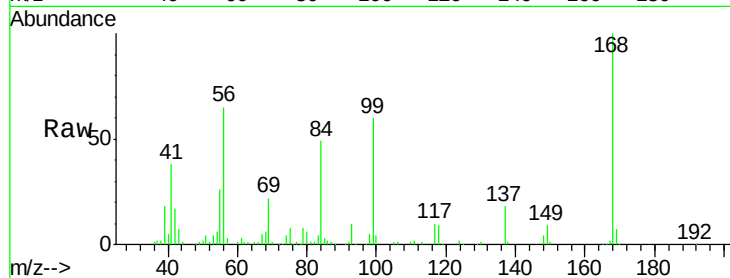
VN0330WBSD02

Tot Ion: 56 Resp: 161726

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.8	41.6
84	74.7	74.6	111.8

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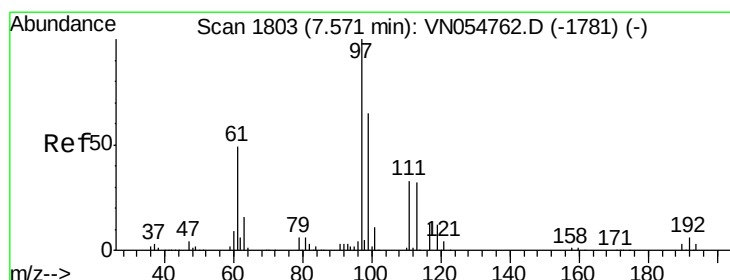
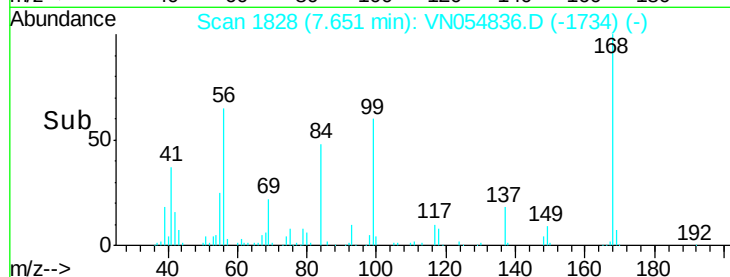
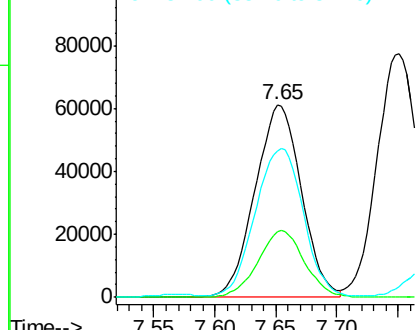


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 23.027 ug/l

RT: 7.57 min Scan# 1803

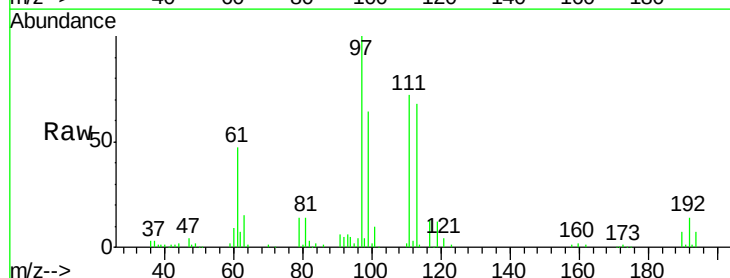
Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion: 97 Resp: 139854

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	49.2	33.6	50.4

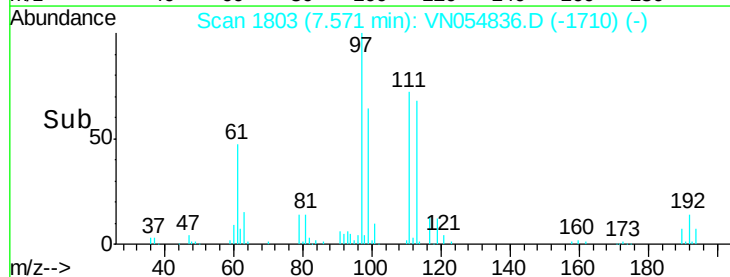
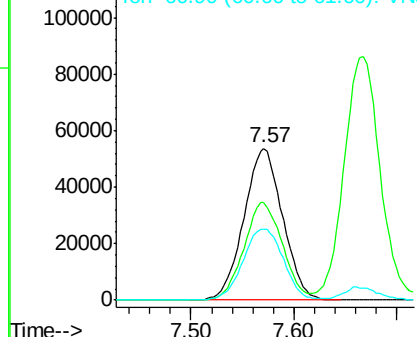


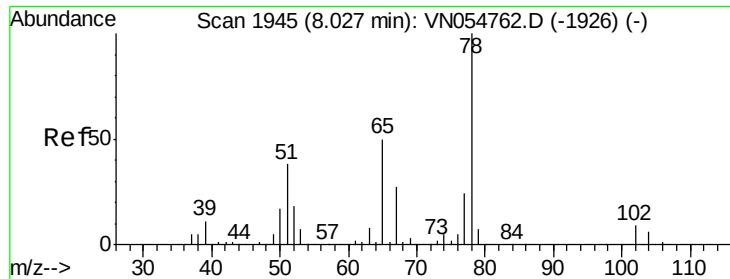
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





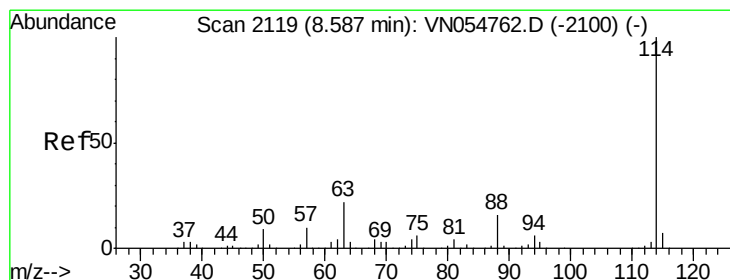
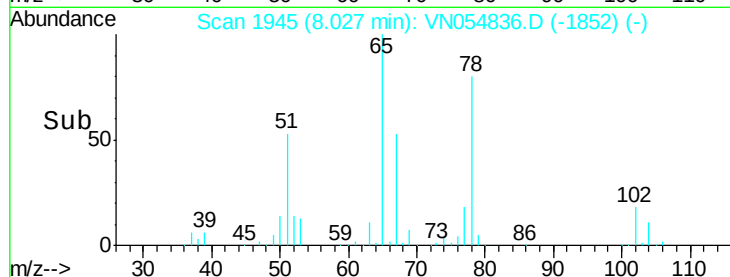
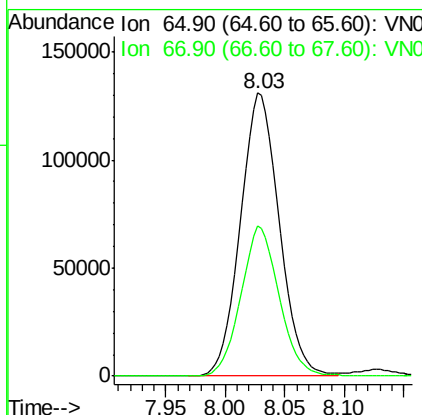
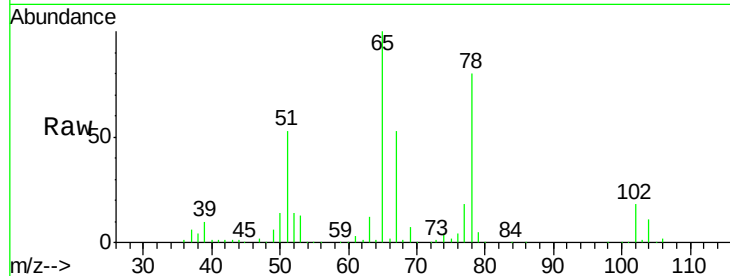
#33
 1,2-Dichloroethane-d4
 Concen: 58.485 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296628		
67	52.1	0.0	104.6	

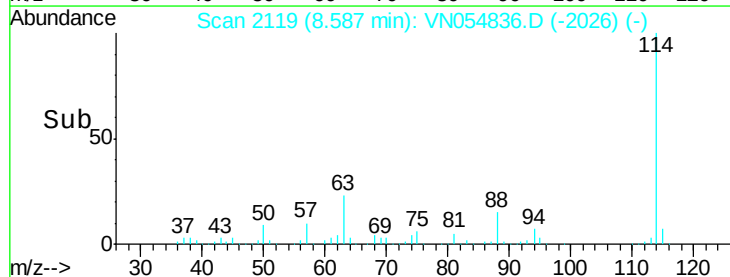
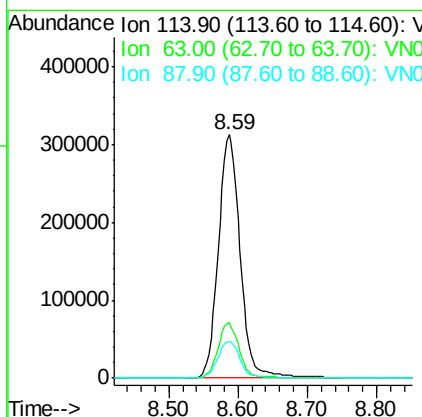
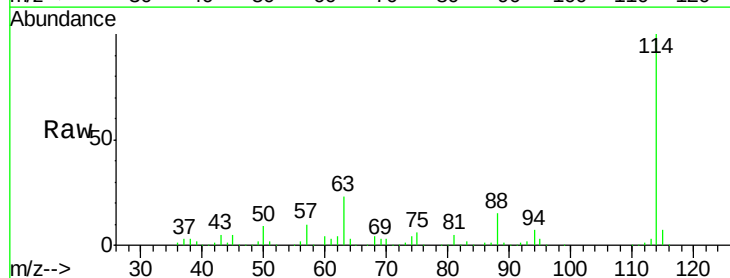
Manual Integrations
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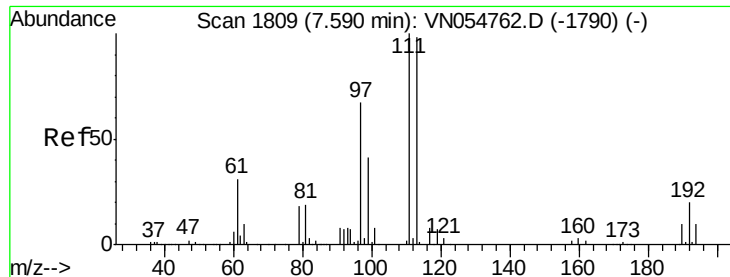
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683956		
63	22.6	0.0	35.2	
88	15.1	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

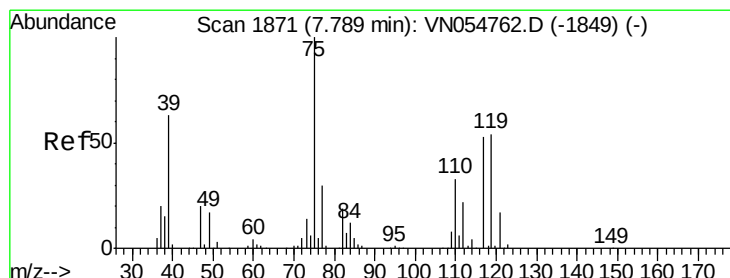
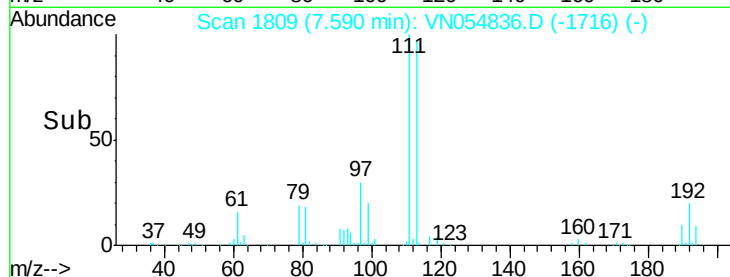
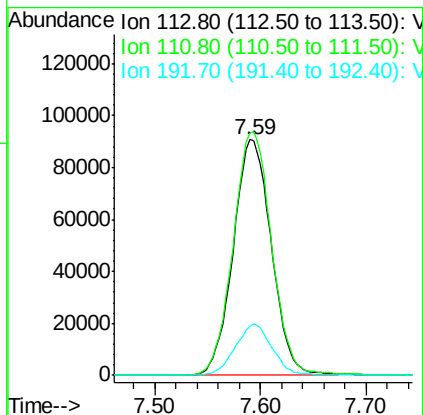
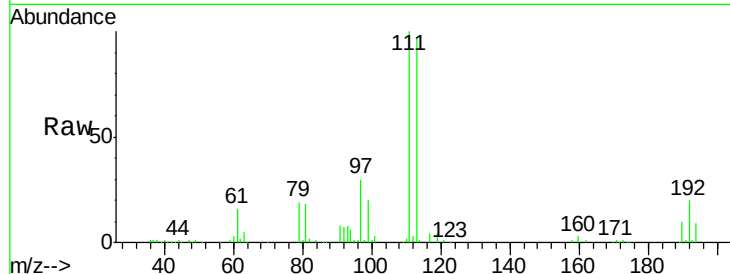
ClientSampleId :

VN0330WBSD02

Tot Ion:	113	Resp:	227674
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	20.9	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.854 ug/l

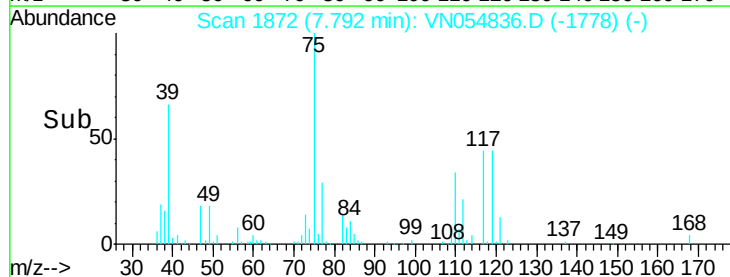
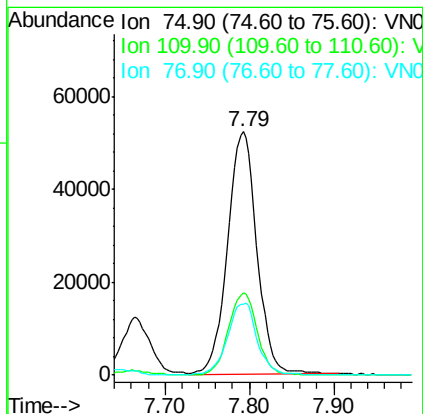
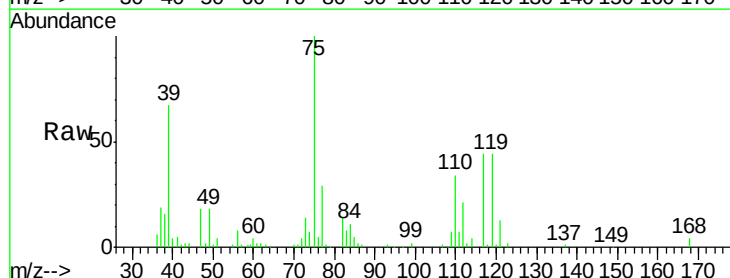
RT: 7.79 min Scan# 1872

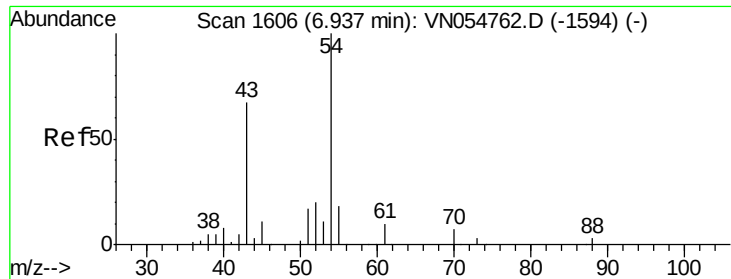
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	75	Resp:	126533
Ion	Ratio	Lower	Upper
75	100		
110	33.4	19.1	57.5
77	30.0	25.0	37.4





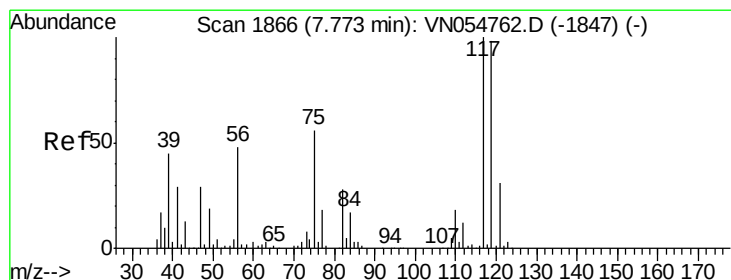
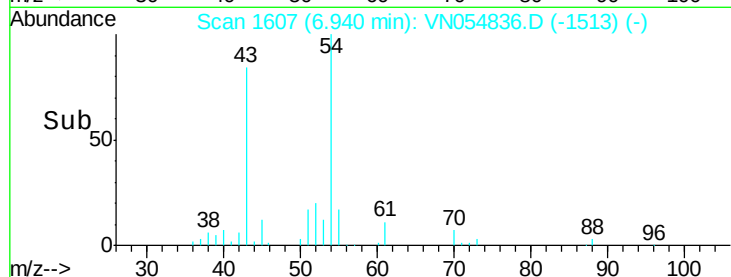
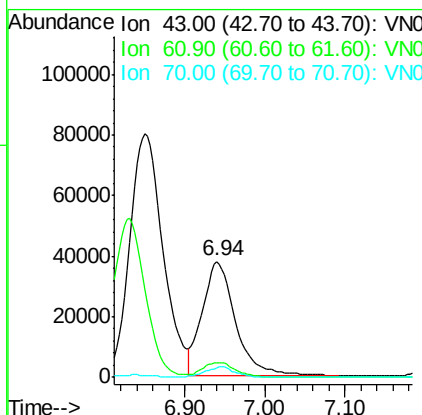
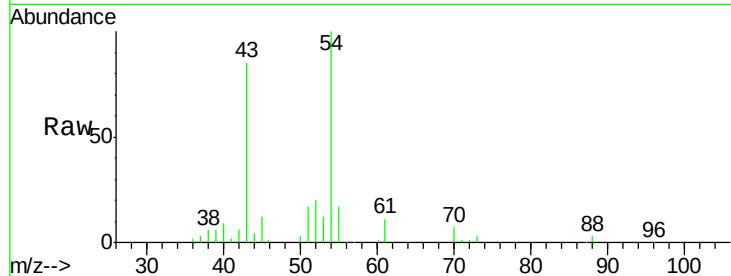
#37
Ethyl Acetate
Concen: 23.399 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.8	17.6
70	8.2	8.4	12.6

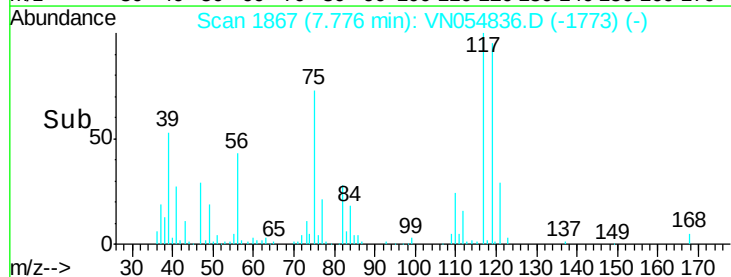
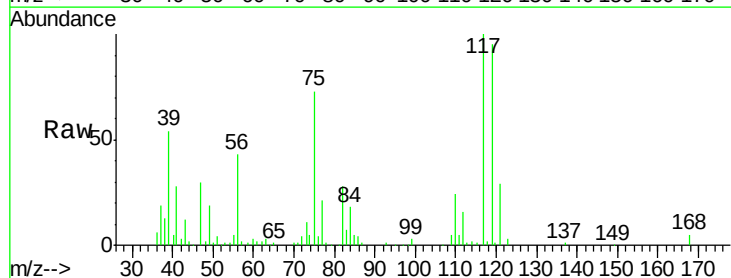
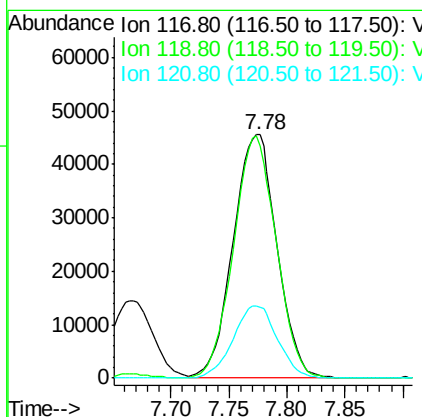
Manual Integrations
APPROVED

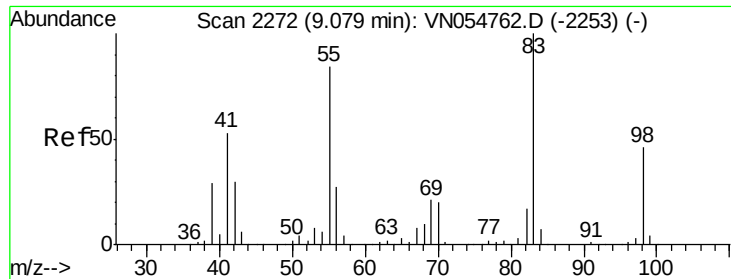
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4/1/2019 1:31:57 PM



#38
Carbon Tetrachloride
Concen: 19.153 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	29.4	24.6	36.8





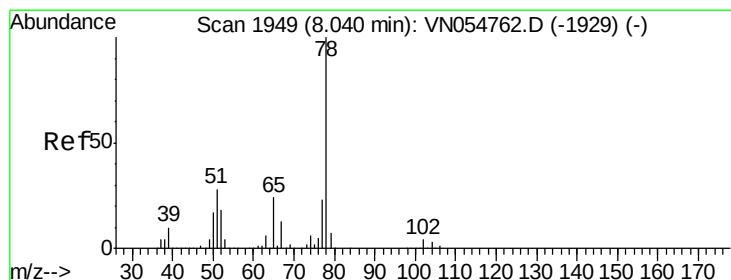
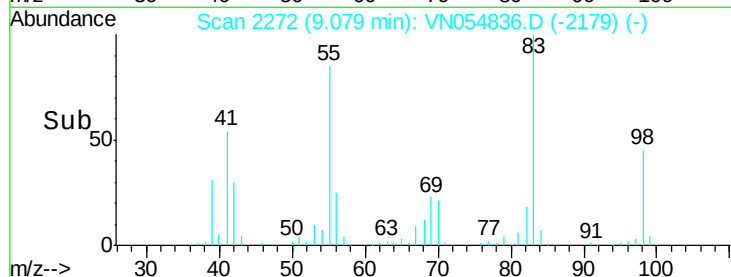
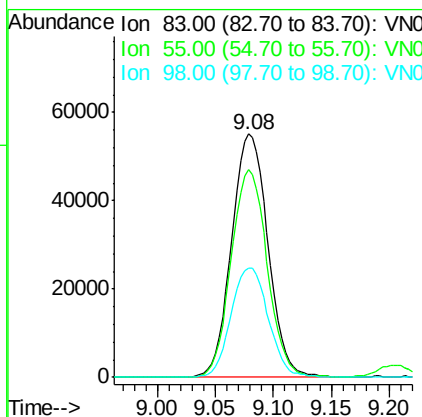
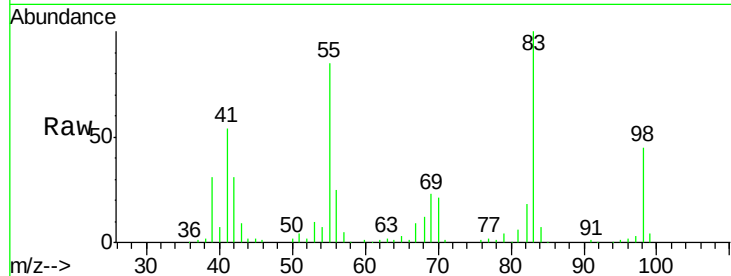
#39
Methylvlcyclohexane
Concen: 17.196 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	56.6	84.8#
98	45.1	38.4	57.6

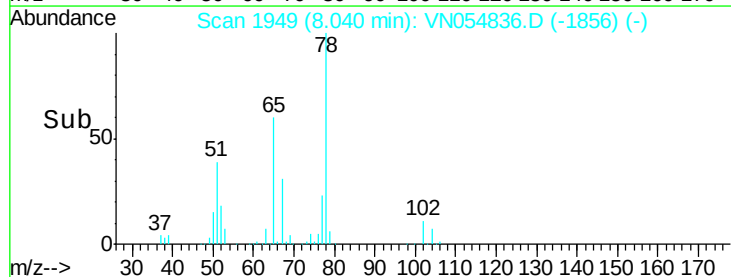
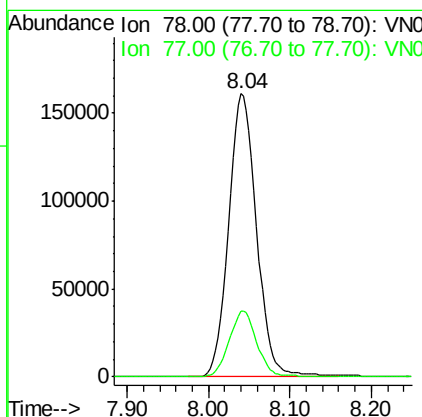
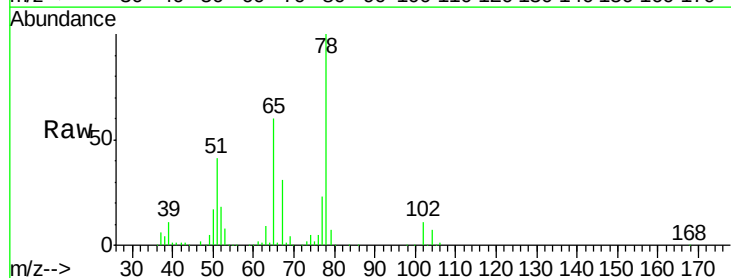
Manual Integrations
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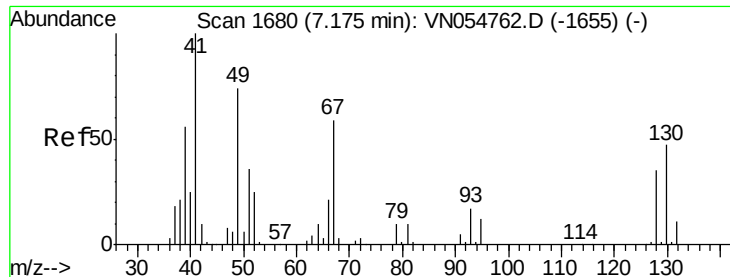
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4/1/2019 1:31:57 PM



#40
Benzene
Concen: 21.221 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





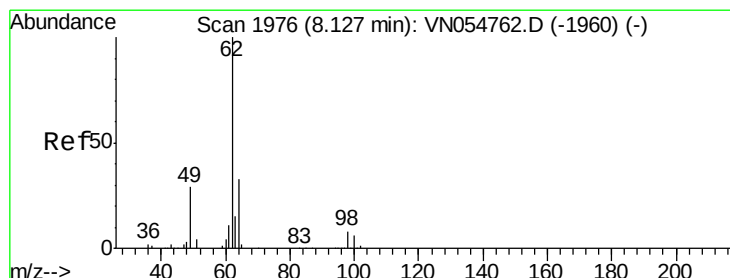
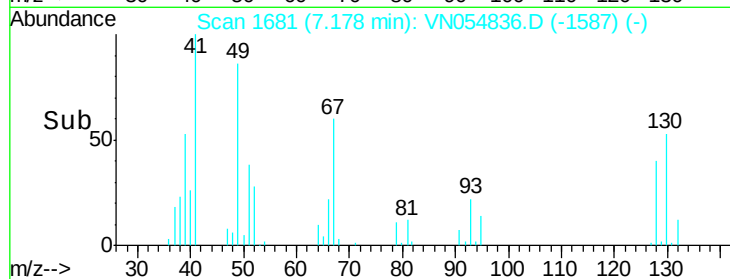
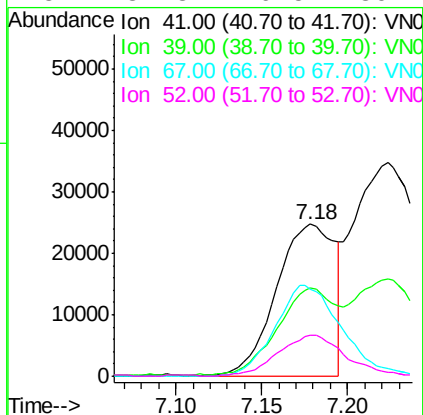
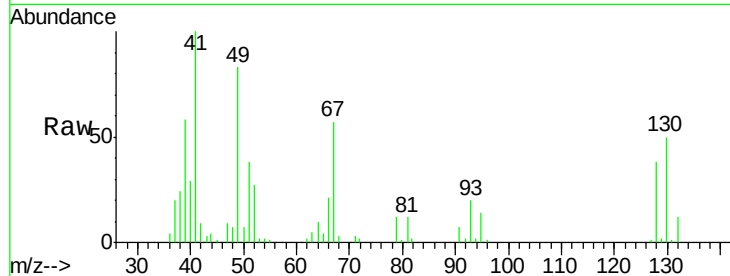
#41
Methacrylonitrile
Concen: 22.288 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD02

Tot Ion	41	Resp	58515
Ion Ratio	Lower	Upper	
41	100		
39	57.6	46.8	70.2
67	68.6	67.0	100.4
52	31.3	26.5	39.7

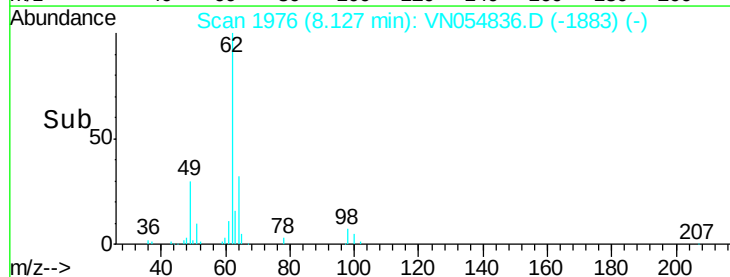
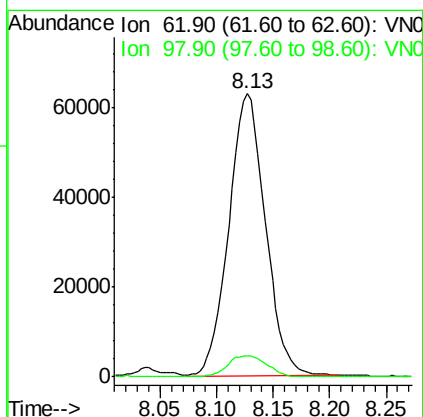
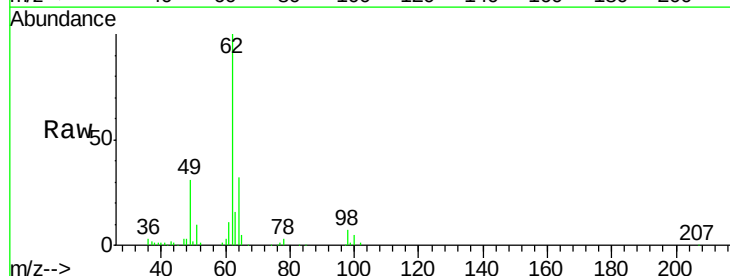
Manual Integrations
APPROVED

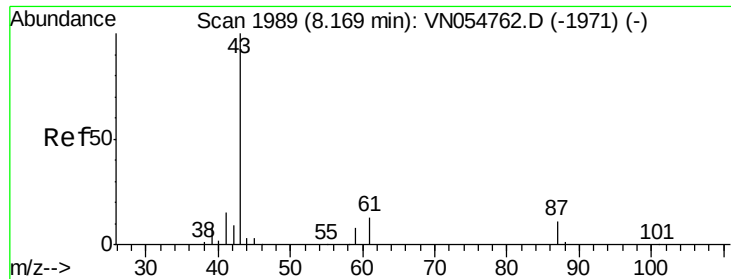
MMDadoda
4/1/2019 1:31:57 PM



#42
1,2-Dichloroethane
Concen: 21.744 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	62	Resp	141583
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 23.192 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

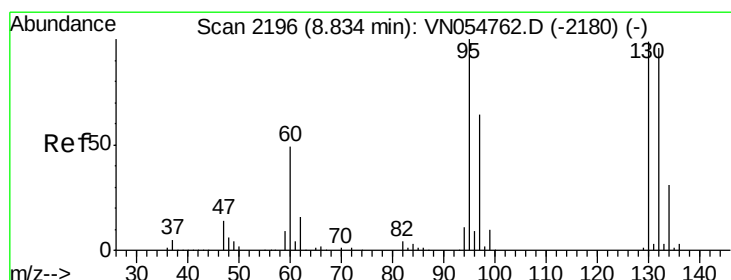
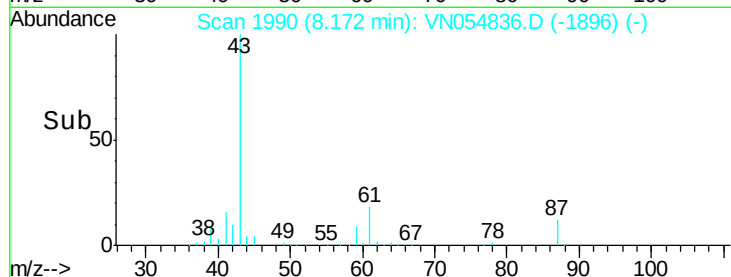
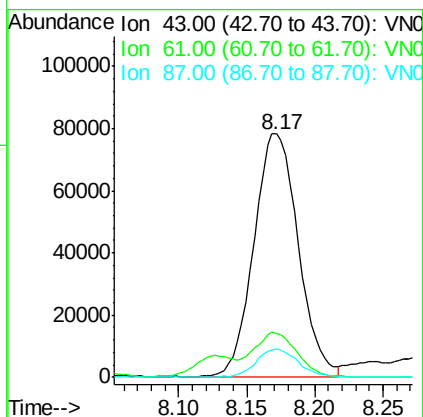
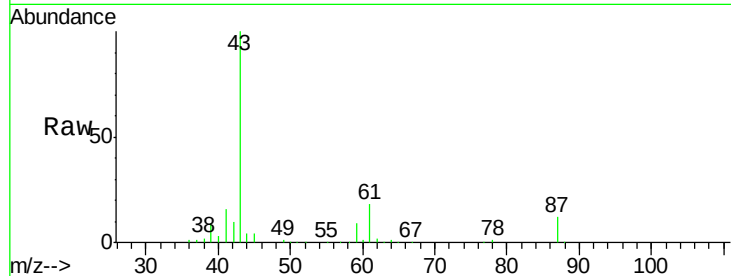
ClientSampled :

VN0330WBSD02

Tot Ion:	43	Resp:	176117
Ion Ratio	Lower	Upper	
43	100		
61	17.5	15.8	23.8
87	11.1	12.0	18.0#

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#44

Trichloroethene

Concen: 20.581 ug/l

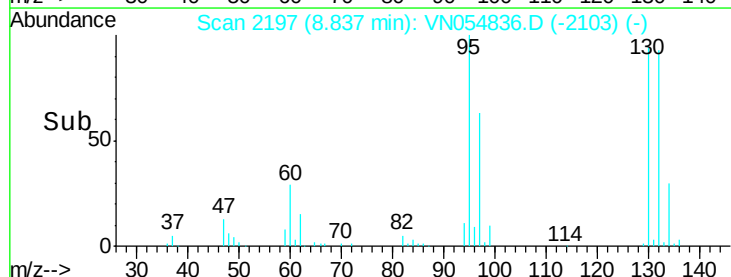
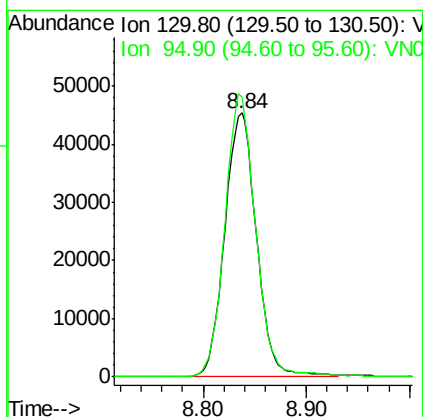
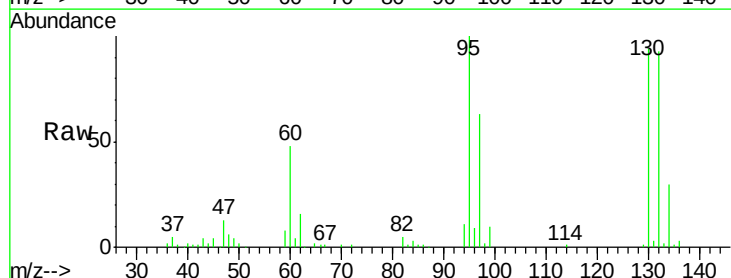
RT: 8.84 min Scan# 2197

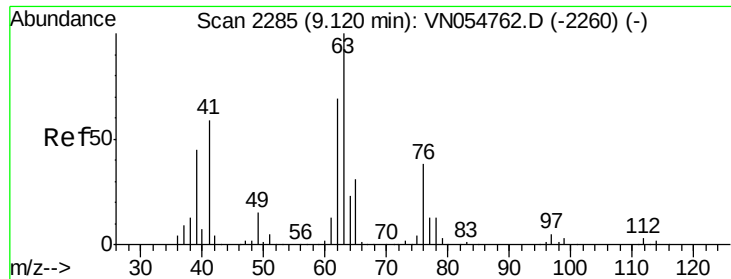
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	130	Resp:	97429
Ion Ratio	Lower	Upper	
130	100		
95	105.8	0.0	185.2





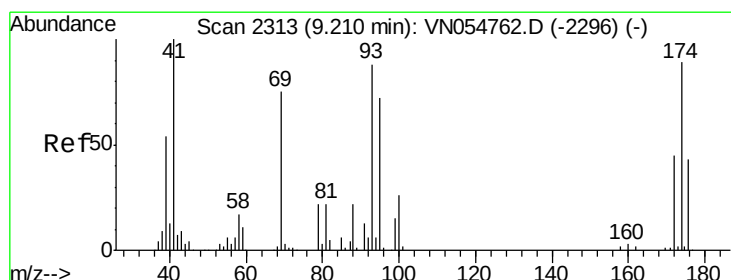
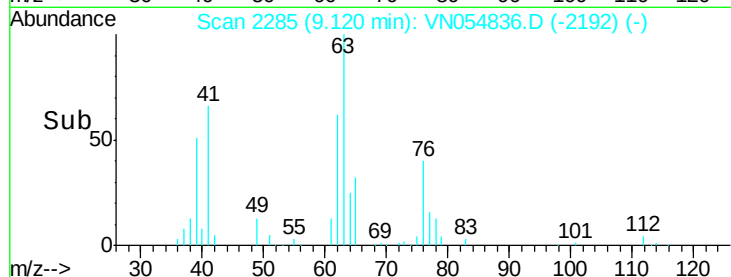
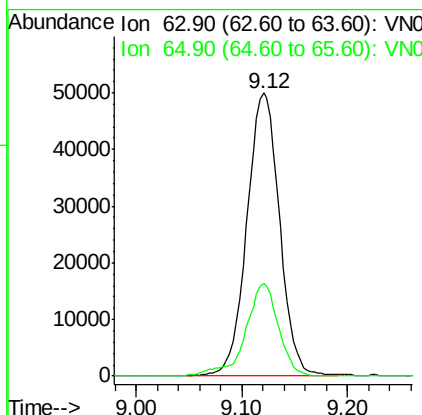
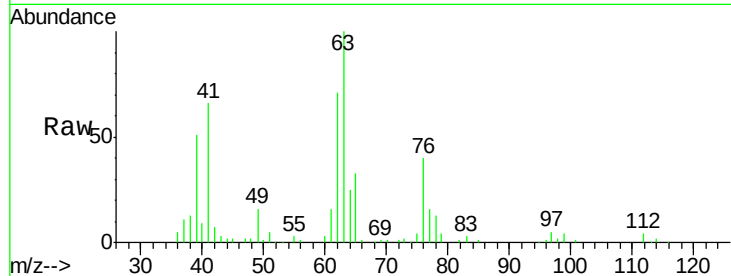
#45
 1,2-Dichloropropane
 Concen: 20.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion: 63 Resp: 108125
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6

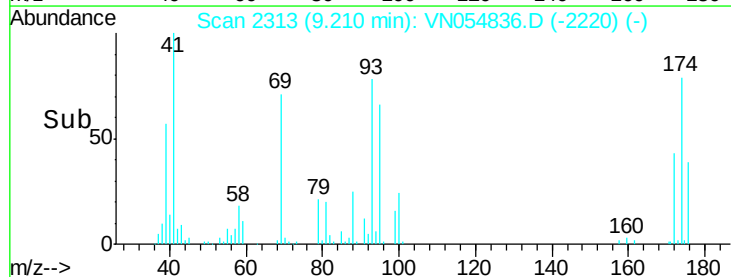
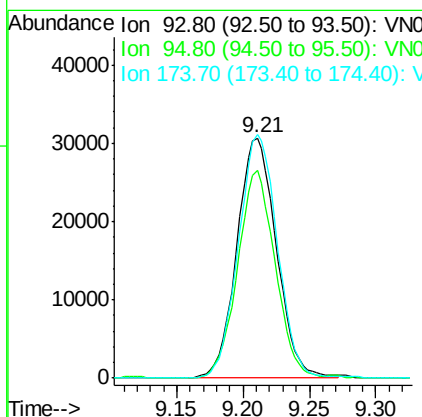
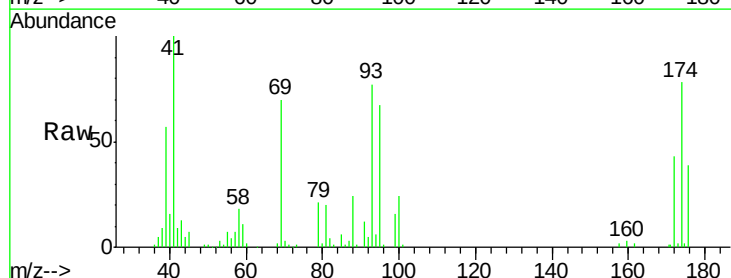
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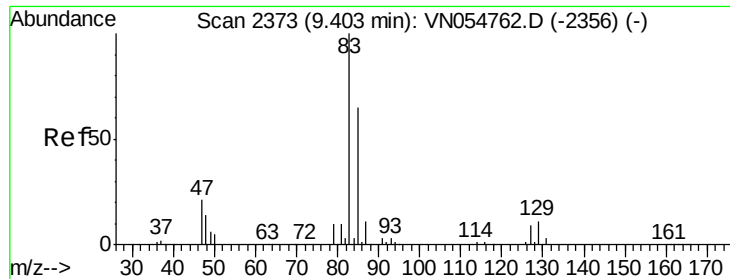
MMDadoda
 4/1/2019 1:31:57 PM



#46
 Dibromomethane
 Concen: 21.746 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 93 Resp: 63610
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 100.3 98.5 147.7





#47

Bromodichloromethane

Concen: 21.259 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

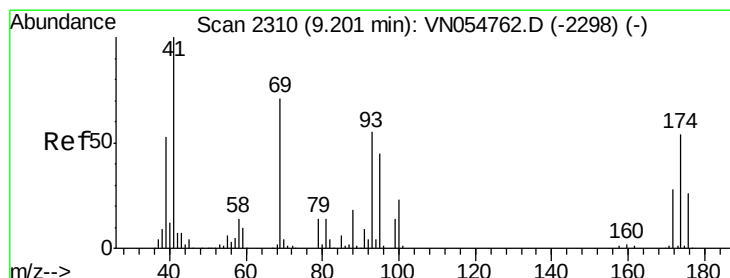
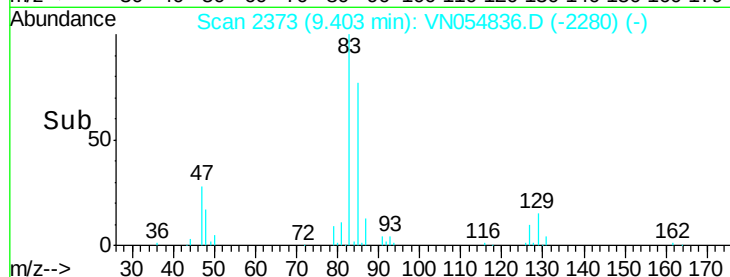
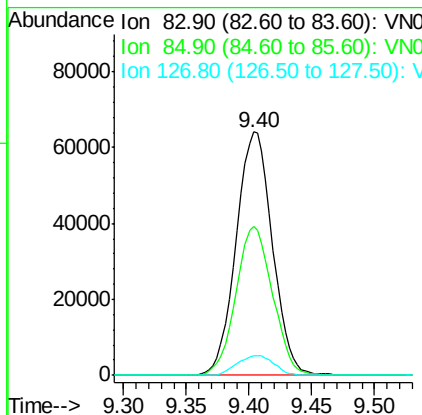
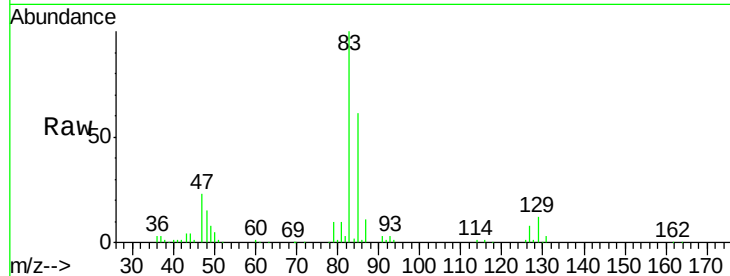
ClientSampleId :

VN0330WBSD02

Tot Ion:	83	Resp:	129236
Ion Ratio	Lower	Upper	
83	100		
85	61.3	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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4/1/2019 1:31:57 PM



#48

Methyl methacrylate

Concen: 21.675 ug/l

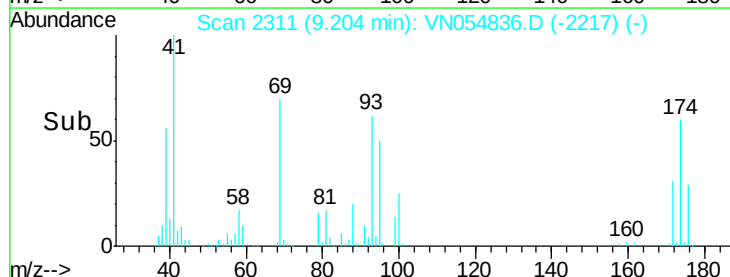
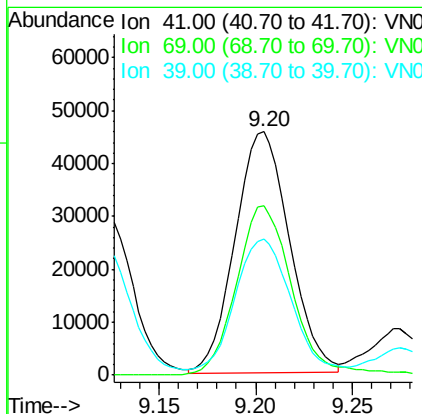
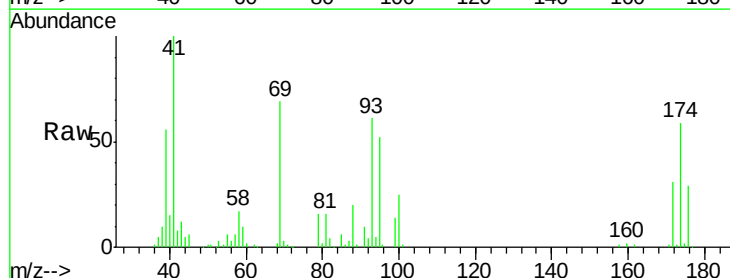
RT: 9.20 min Scan# 2311

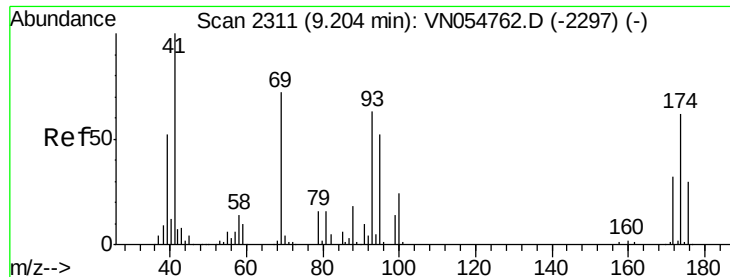
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	41	Resp:	89225
Ion Ratio	Lower	Upper	
41	100		
69	71.7	72.6	108.8#
39	58.2	47.5	71.3





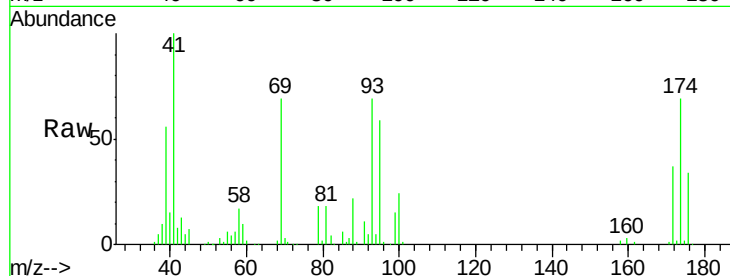
#49
1,4-Dioxane
Concen: 514.633 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	24.1	36.1#
58	76.8	50.8	76.2#

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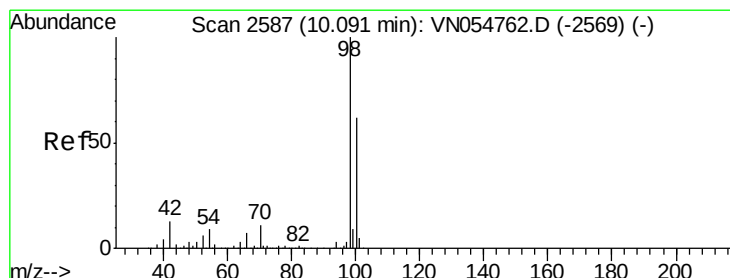
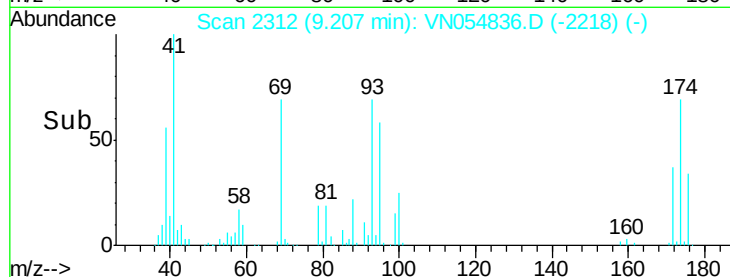
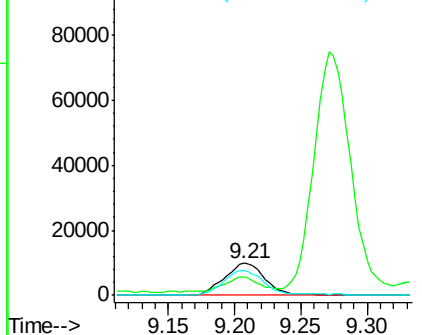


Abundance

Ion 88.00 (87.70 to 88.70): VN0

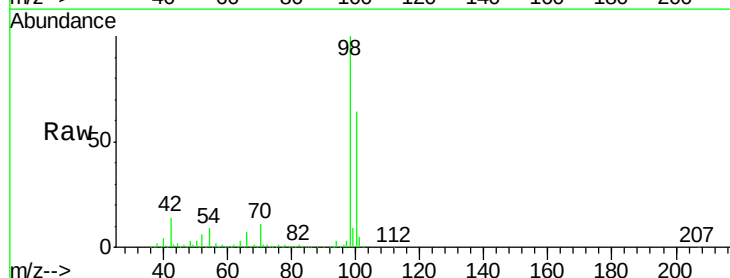
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

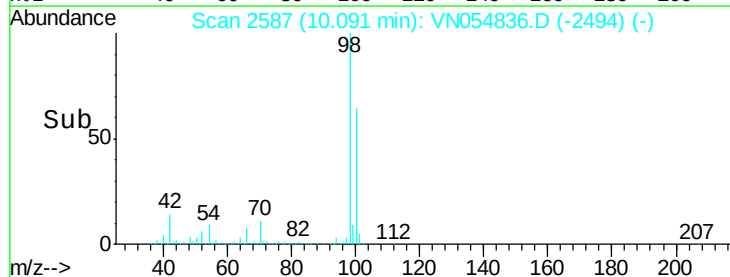
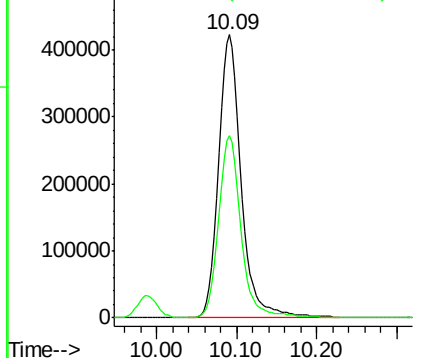
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8

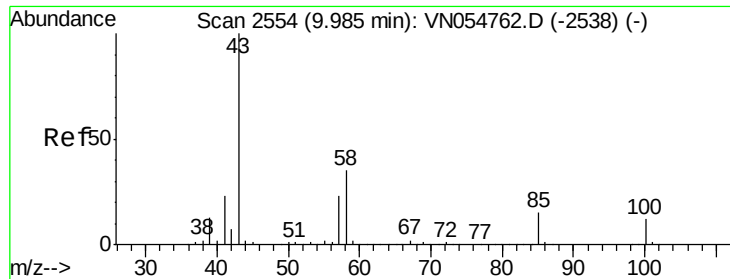


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 119.072 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 43 Resp: 508379

Ion Ratio Lower Upper

43 100

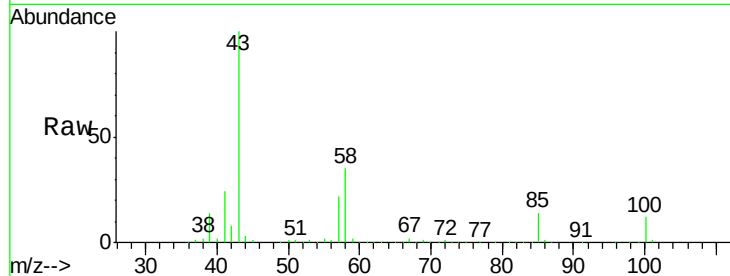
58 35.2 31.8 47.6

Manual Integrations

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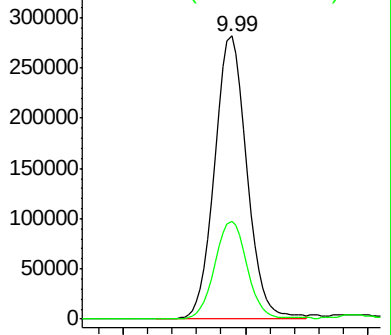
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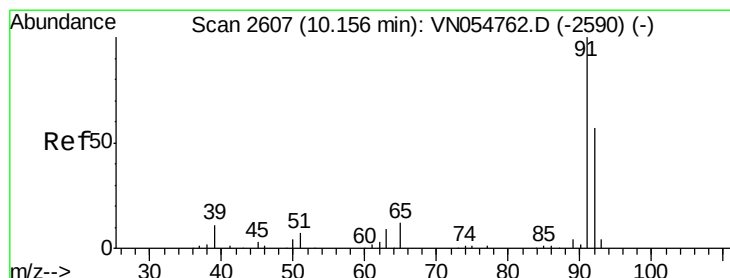
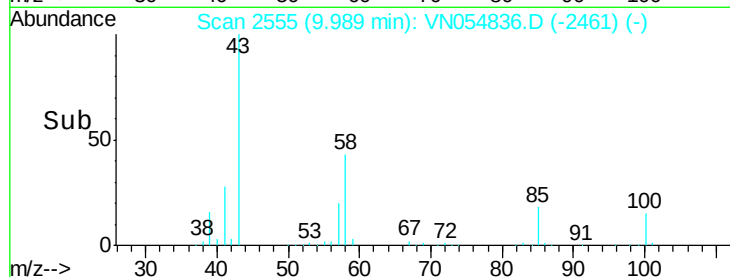


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.727 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054836.D

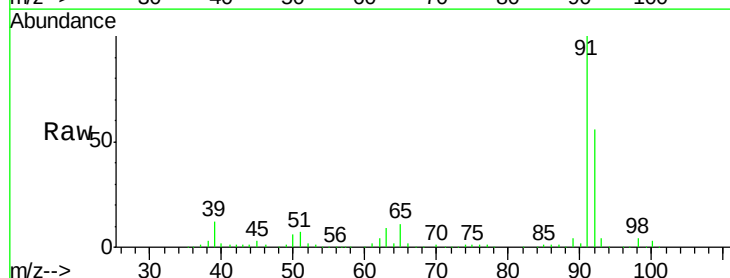
Acq: 31 Mar 2019 7:03

Tgt Ion: 92 Resp: 224917

Ion Ratio Lower Upper

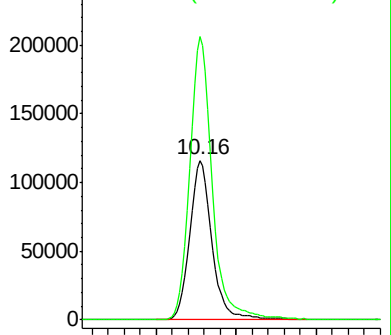
92 100

91 178.2 140.7 211.1

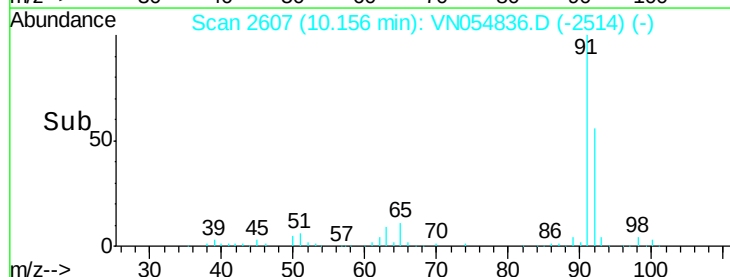


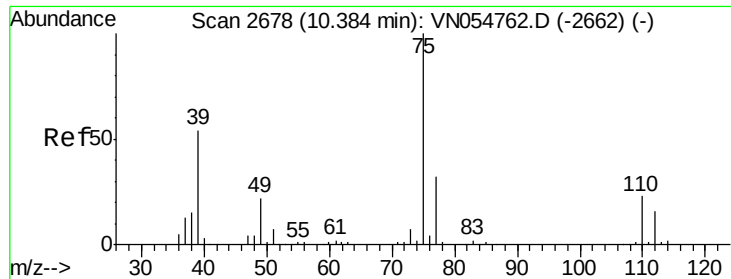
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





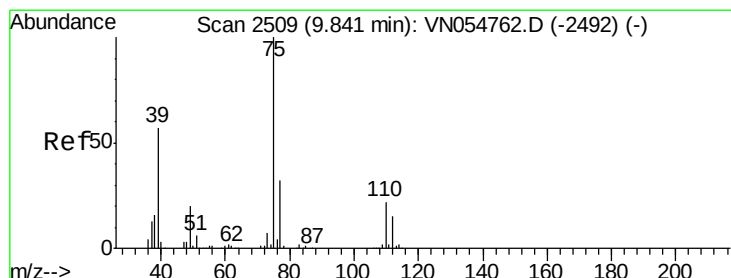
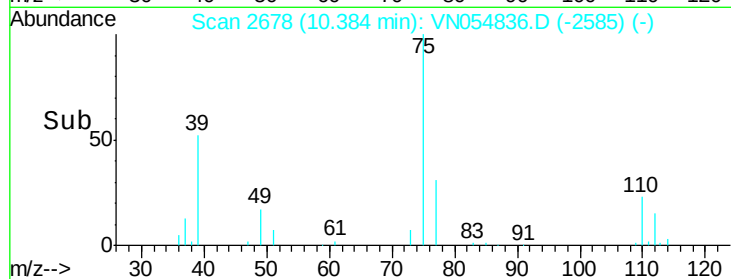
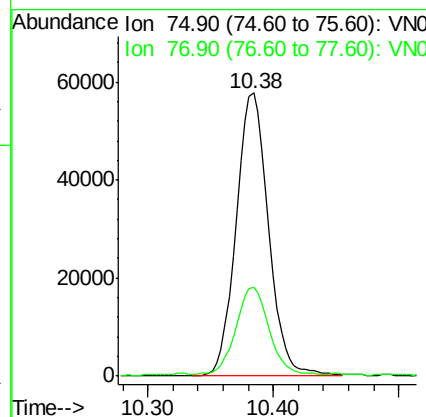
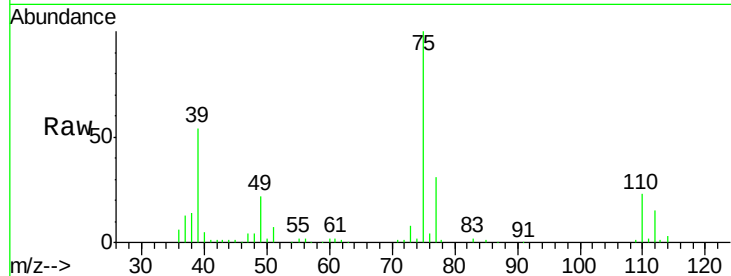
#53
t-1,3-Dichloropropene
Concen: 18.149 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.8

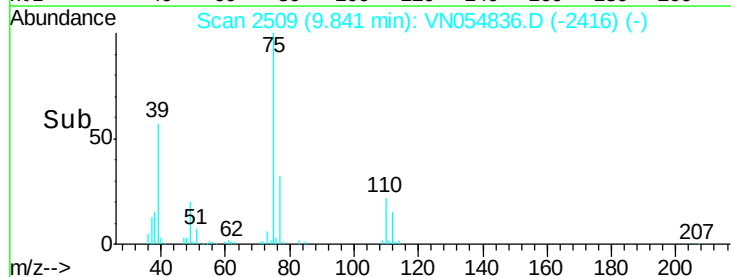
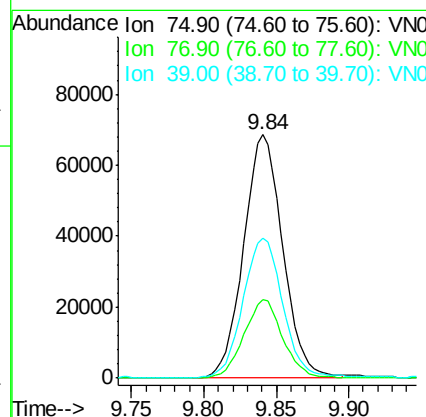
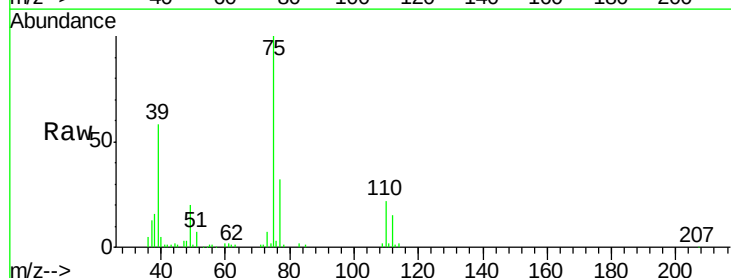
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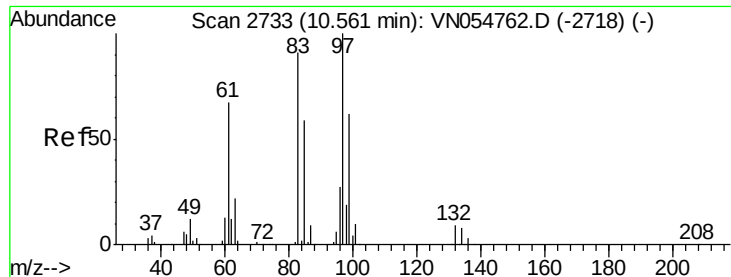
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#54
cis-1,3-Dichloropropene
Concen: 18.905 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	57.3	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 21.785 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

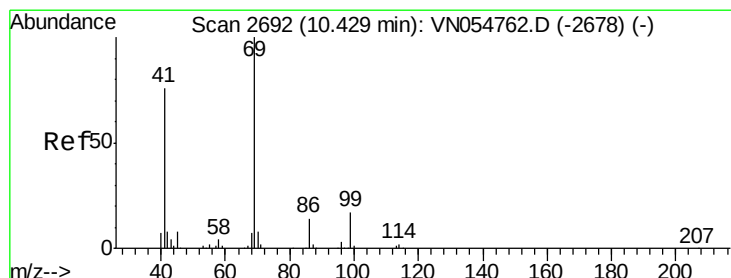
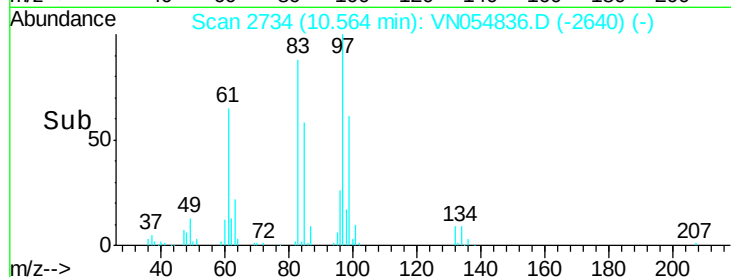
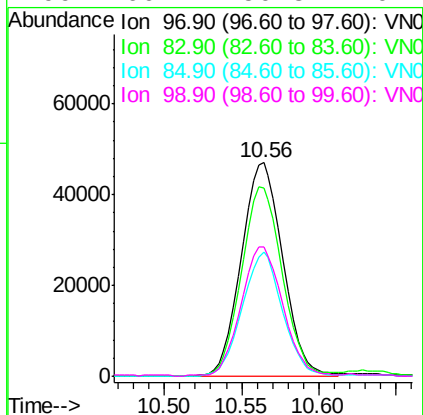
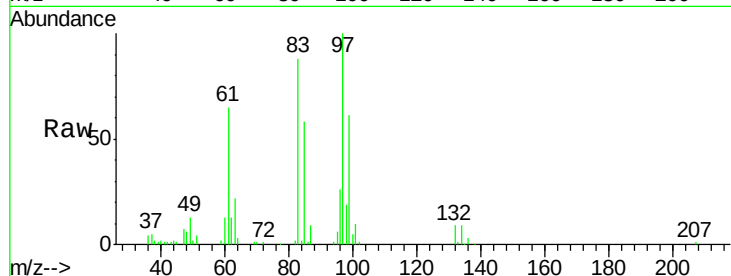
ClientSampleId :

VN0330WBSD02

Tot Ion:	97	Resp:	87900
Ion	Ratio	Lower	Upper
97	100		
83	88.0	66.6	100.0
85	57.9	44.4	66.6
99	60.2	50.8	76.2

Manual Integrations
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4/1/2019 1:31:57 PM



#56

Ethyl methacrylate

Concen: 22.170 ug/l

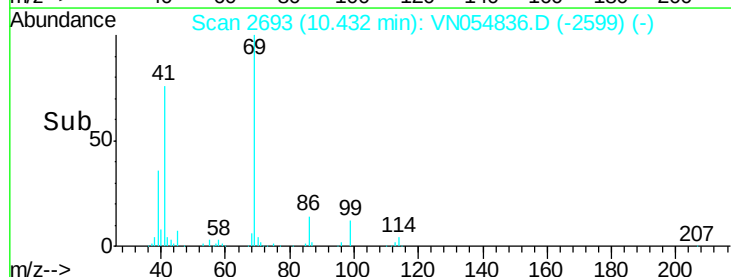
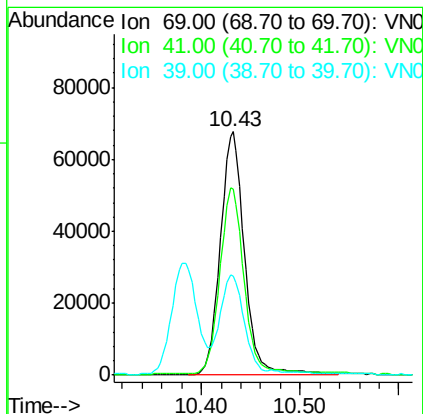
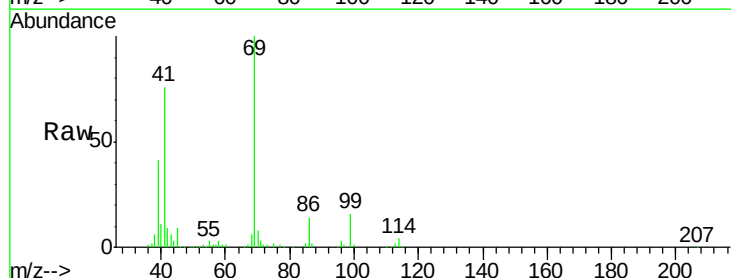
RT: 10.43 min Scan# 2693

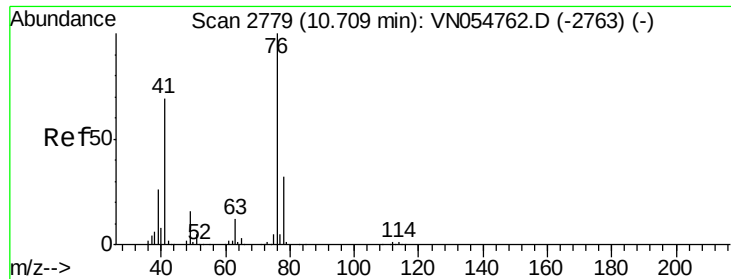
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	69	Resp:	117345
Ion	Ratio	Lower	Upper
69	100		
41	76.1	49.4	74.2#
39	40.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 22.036 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 76 Resp: 152860

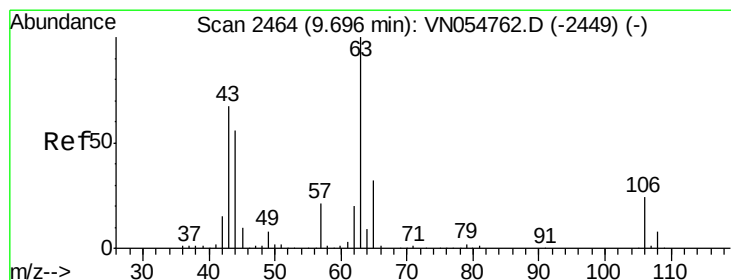
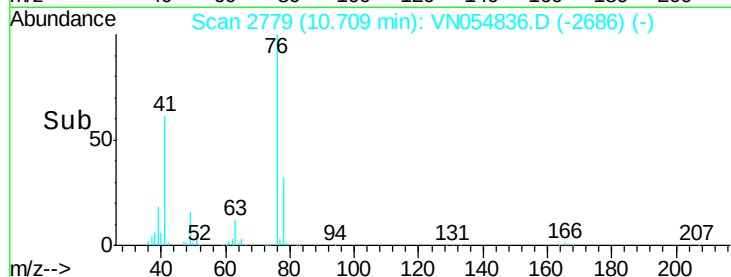
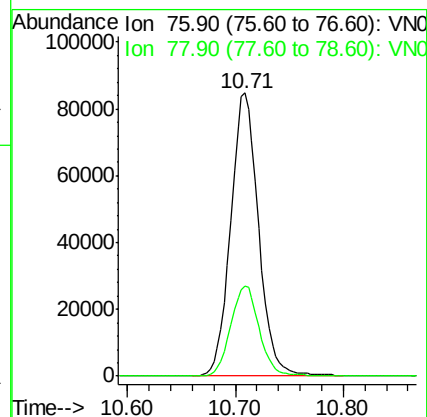
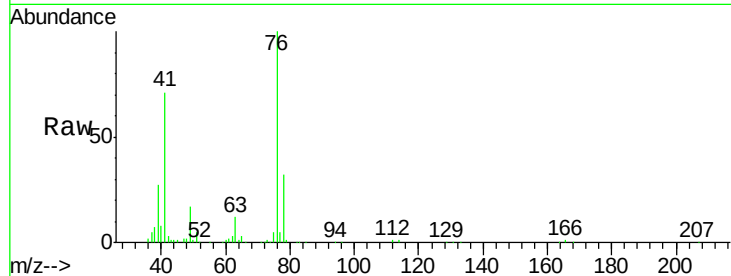
Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 102.431 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054836.D

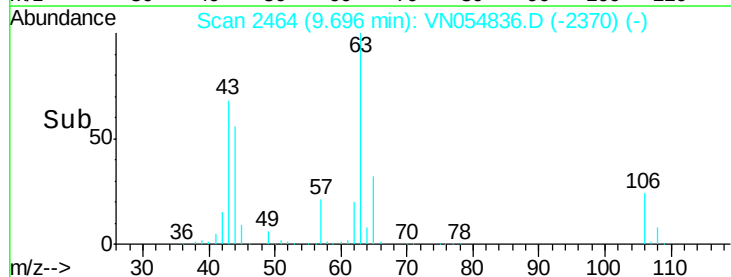
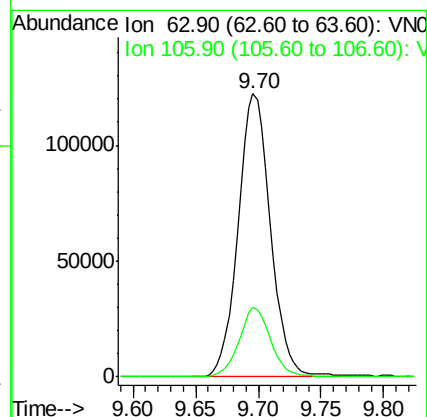
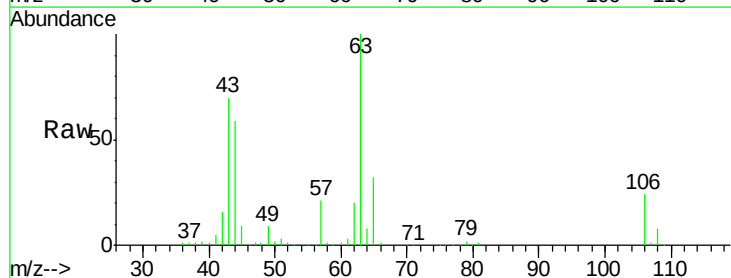
Acq: 31 Mar 2019 7:03

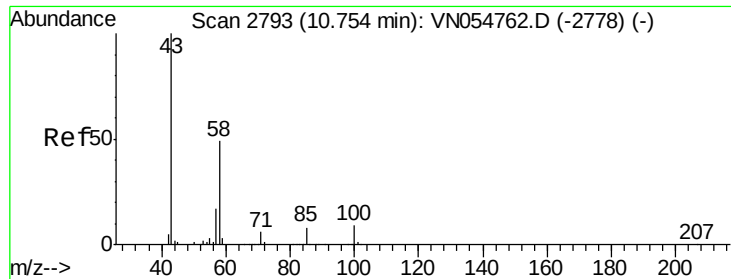
Tgt Ion: 63 Resp: 219003

Ion Ratio Lower Upper

63 100

106 24.0 24.4 36.6#





#59

2-Hexanone

Concen: 115.803 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 43 Resp: 316507

Ion Ratio Lower Upper

43 100

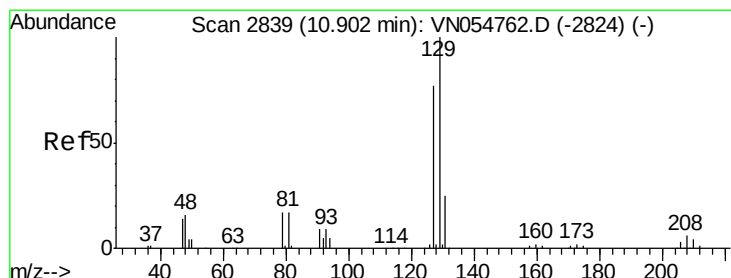
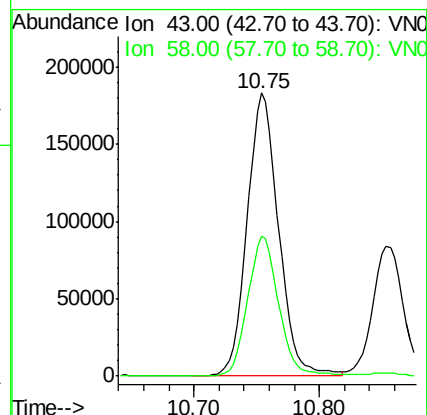
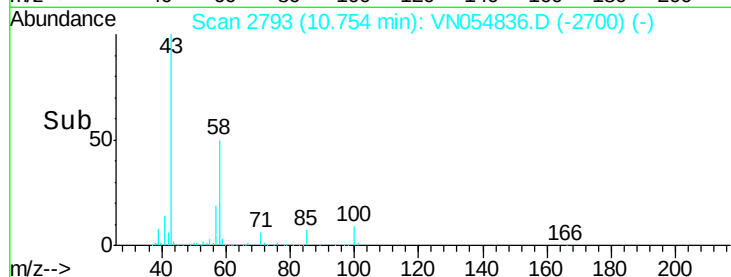
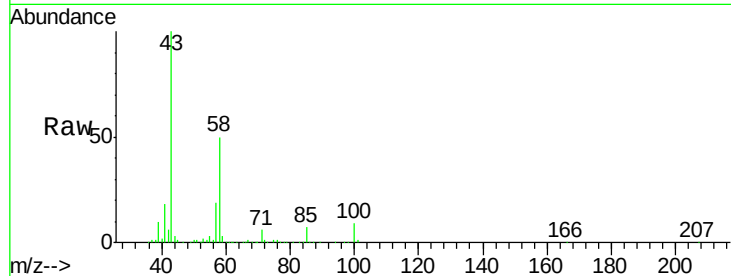
58 49.1 28.0 83.9

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.450 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054836.D

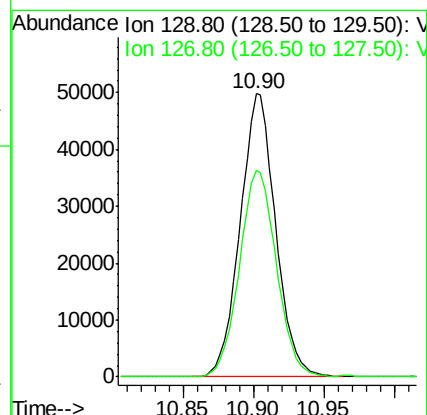
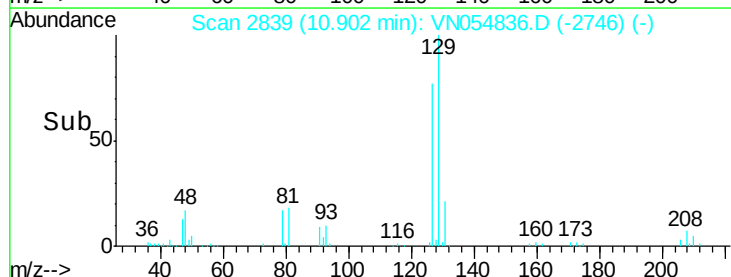
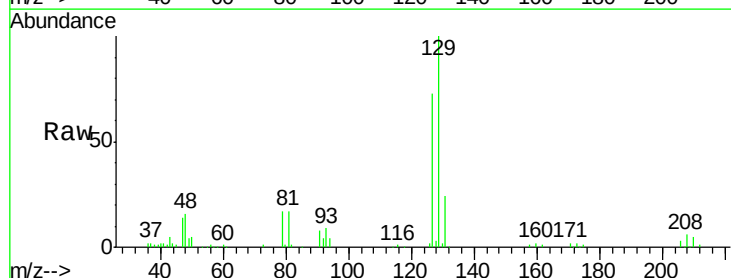
Acq: 31 Mar 2019 7:03

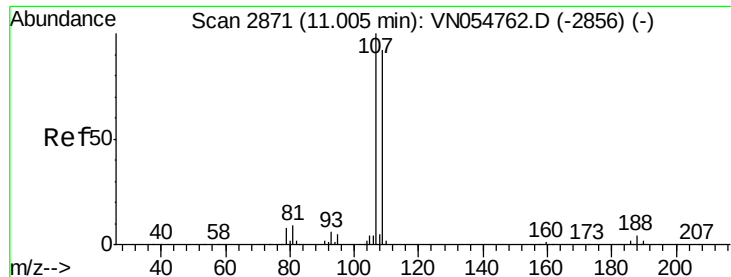
Tgt Ion: 129 Resp: 87671

Ion Ratio Lower Upper

129 100

127 76.0 38.6 115.8





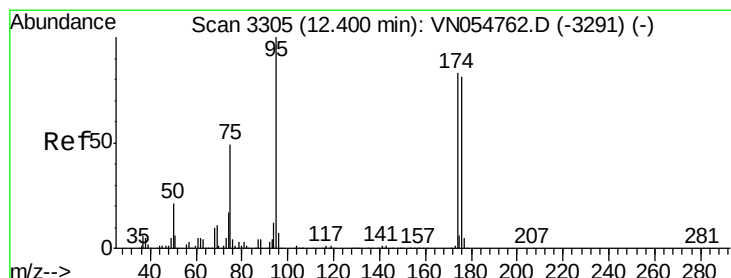
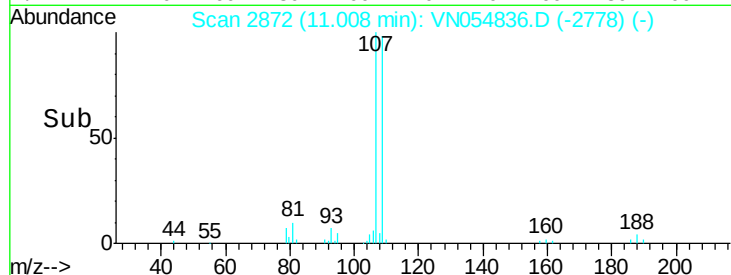
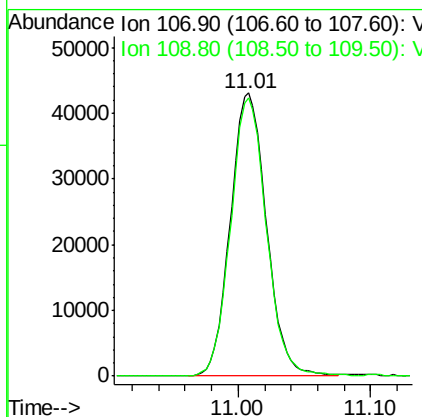
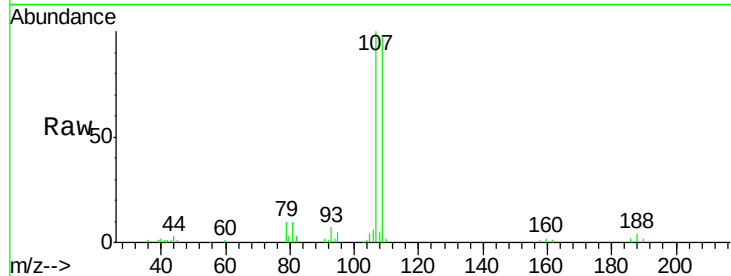
#61
 1,2-Dibromoethane
 Concen: 21.097 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.9	113.9

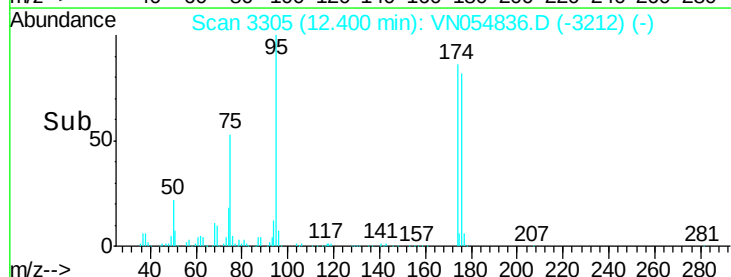
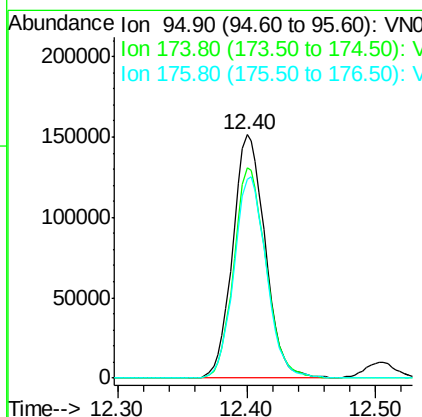
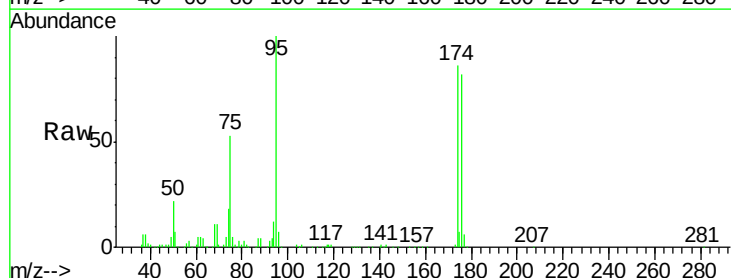
Manual Integrations
 APPROVED

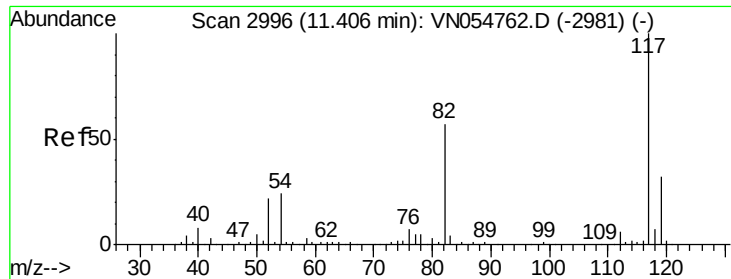
MMDadoda
 4/1/2019 1:31:57 PM



#62
 4-Bromofluorobenzene
 Concen: 47.074 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	191.0
176	82.4	0.0	187.4





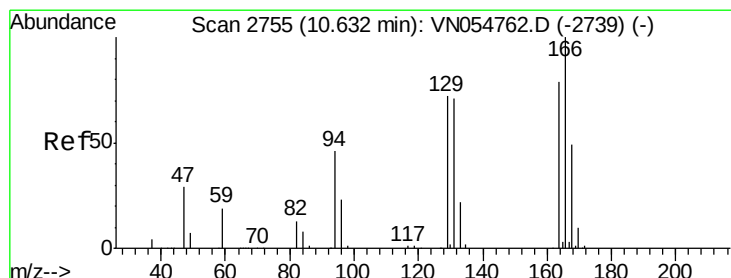
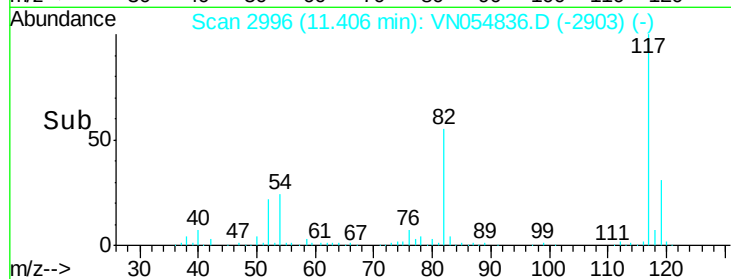
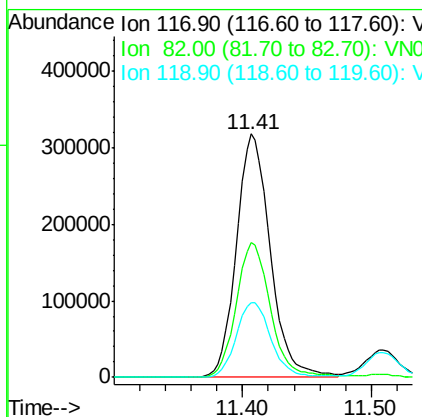
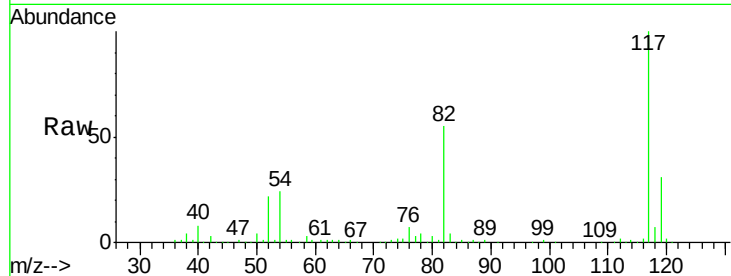
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	581656		
82	55.3		40.0	60.0
119	30.8		25.8	38.6

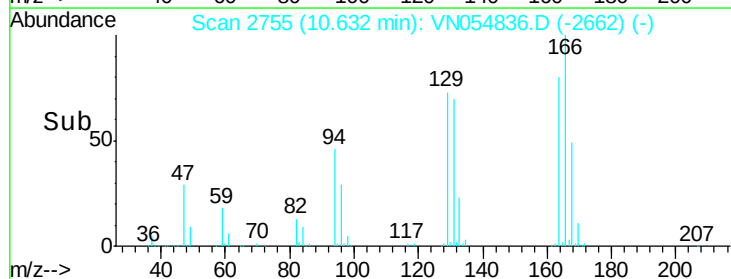
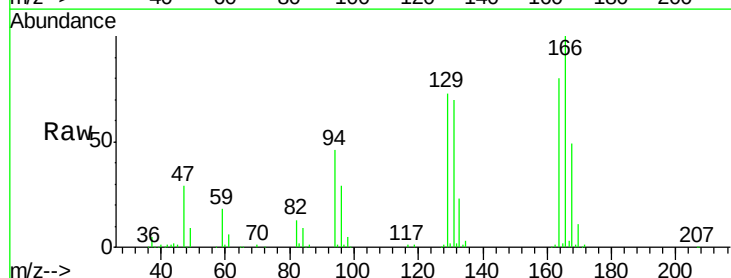
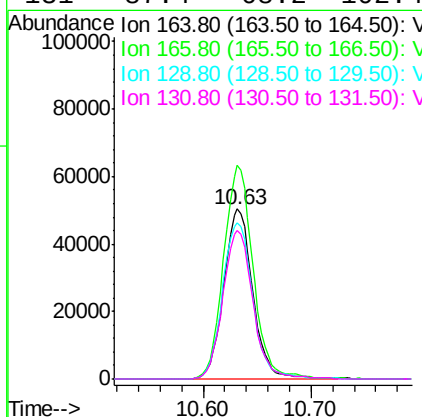
Manual Integrations
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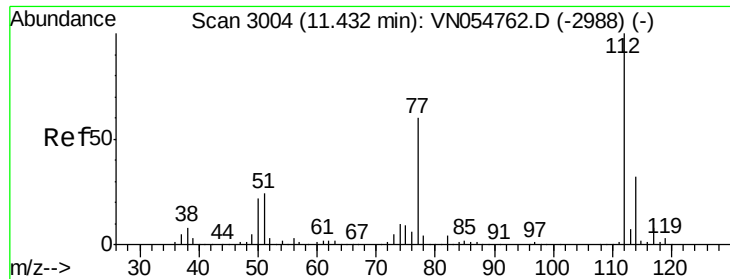
MMDadoda
4/1/2019 1:31:57 PM



#64
Tetrachloroethene
Concen: 21.217 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94702		
166	125.6		103.9	155.9
129	91.8		71.1	106.7
131	87.4		68.2	102.4





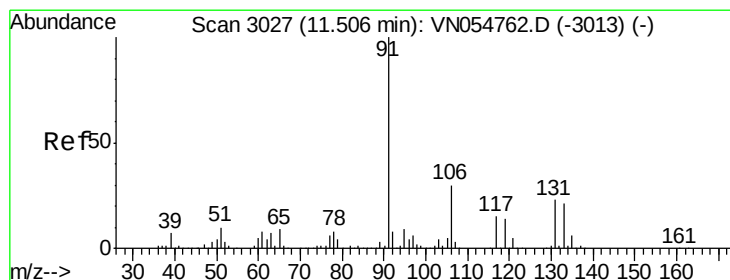
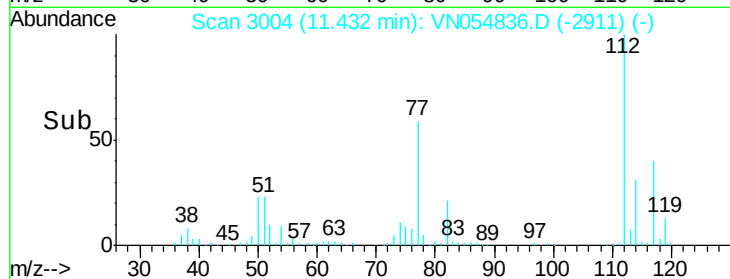
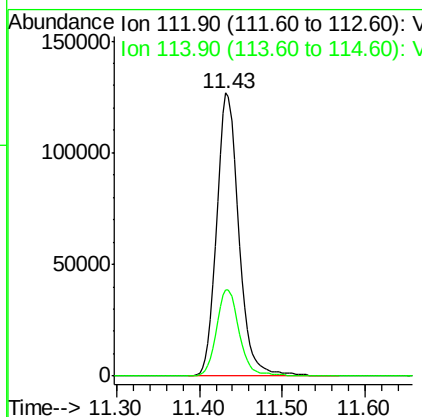
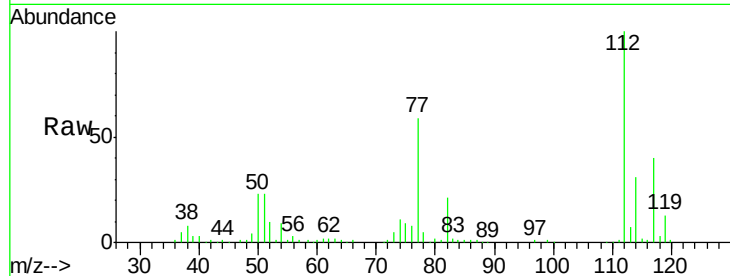
#65
Chlorobenzene
Concen: 20.555 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion:112 Resp: 234083
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9

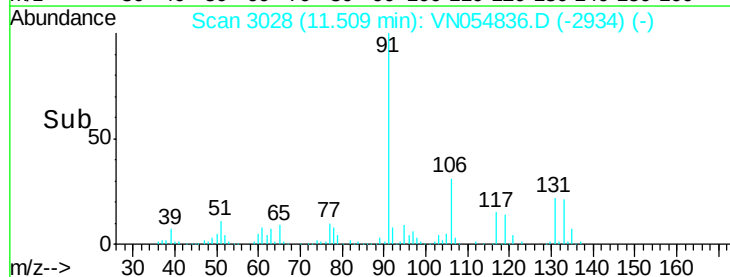
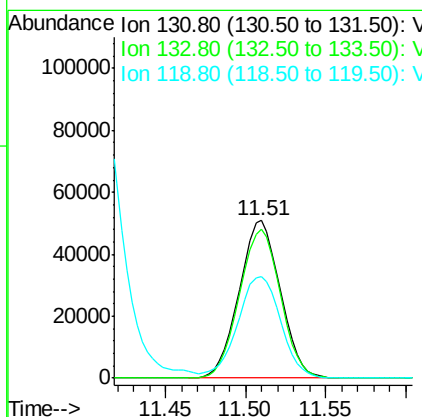
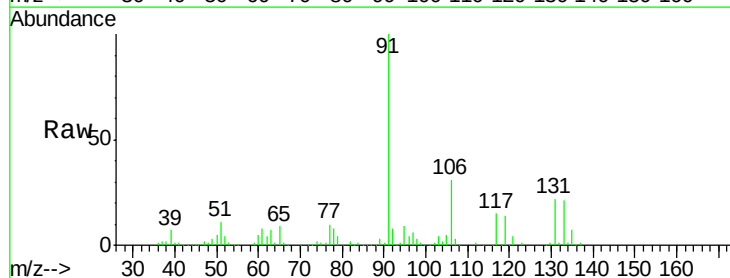
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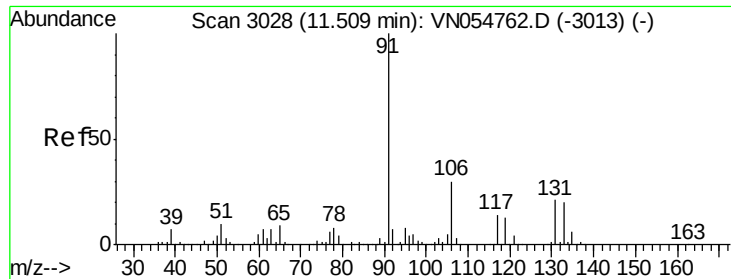
MMDadoda
4/1/2019 1:31:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:131 Resp: 89077
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 67.6 32.4 97.0





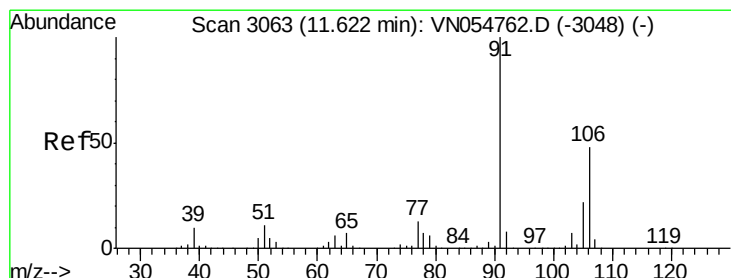
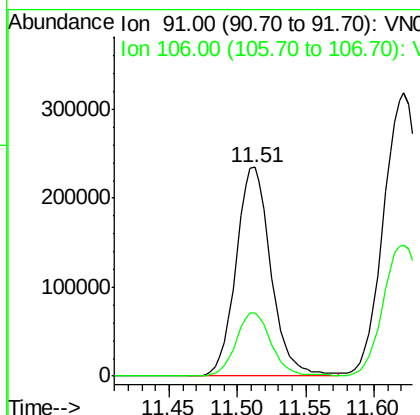
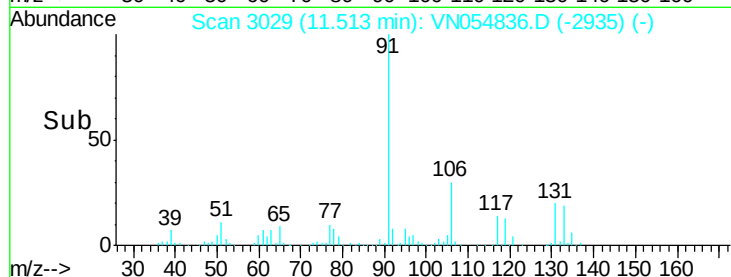
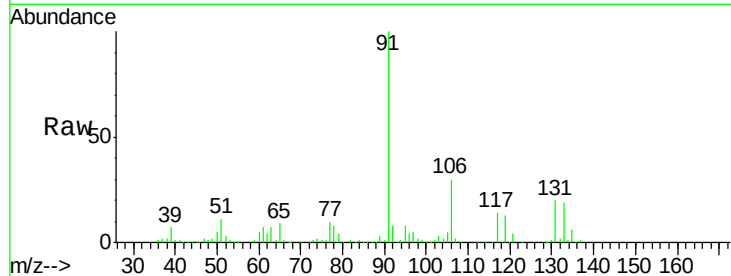
#67
Ethyl Benzene
Concen: 20.319 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion: 91 Resp: 417566
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3

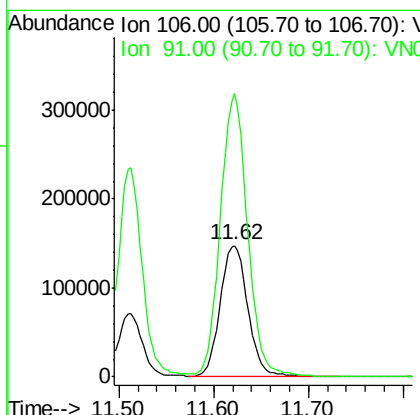
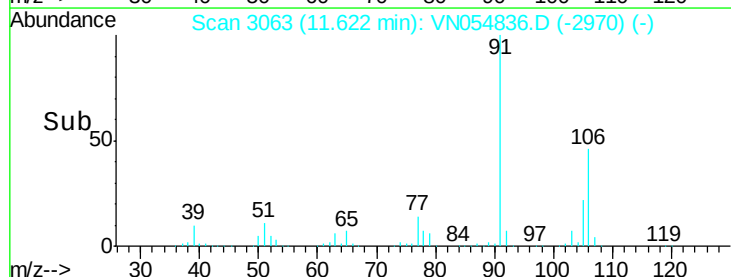
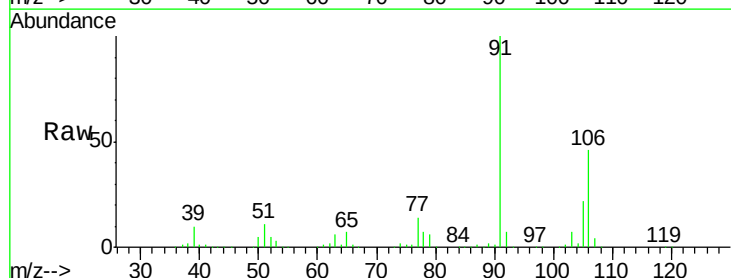
Manual Integrations
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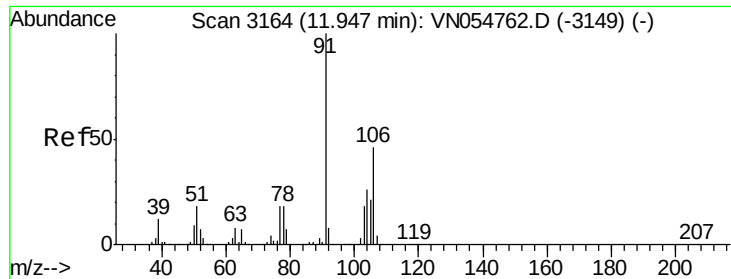
MMDadoda
4/1/2019 1:31:57 PM



#68
m/p-Xylenes
Concen: 39.771 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 106 Resp: 302460
Ion Ratio Lower Upper
106 100
91 211.3 159.4 239.2





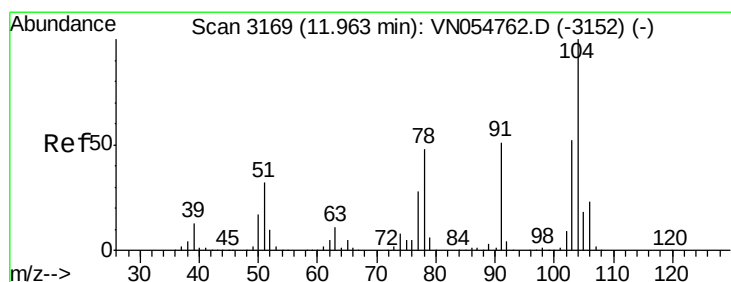
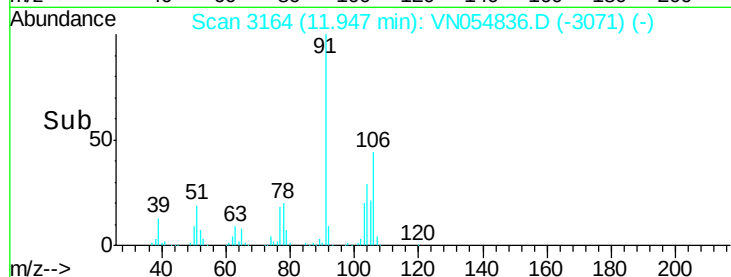
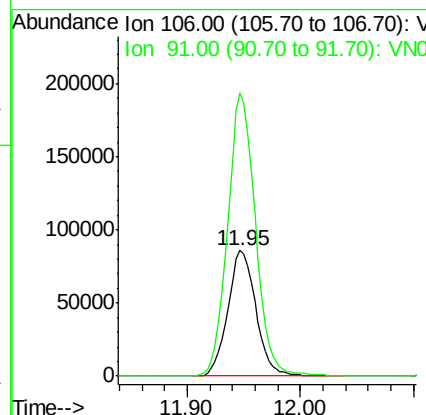
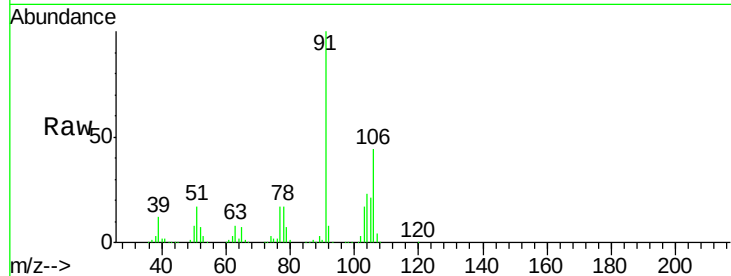
#69
o-Xylene
Concen: 19.964 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion:106 Resp: 148884
Ion Ratio Lower Upper
106 100
91 222.4 105.7 317.1

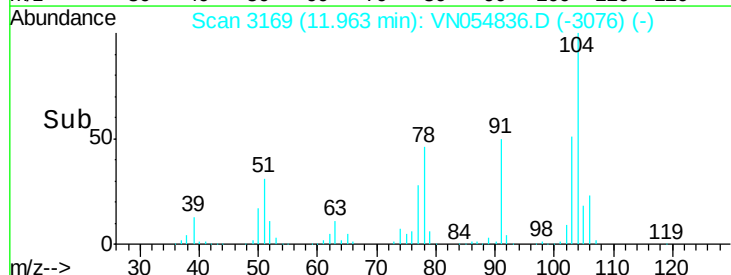
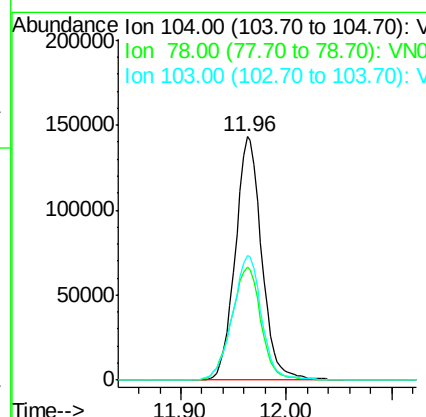
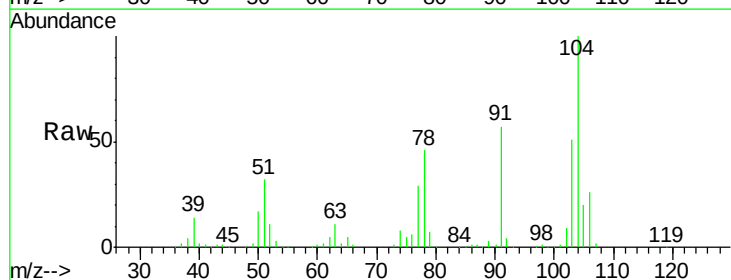
Manual Integrations
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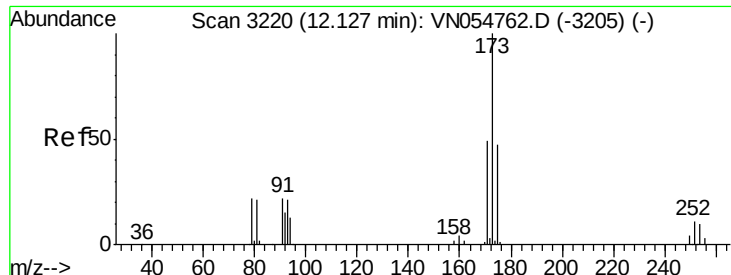
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4/1/2019 1:31:57 PM



#70
Styrene
Concen: 20.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:104 Resp: 247628
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.3 44.4 66.6





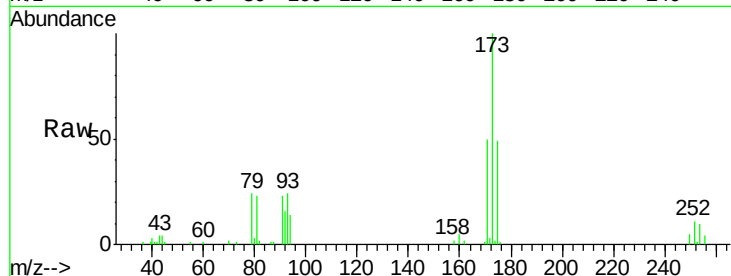
#71
Bromoform
Concen: 20.845 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

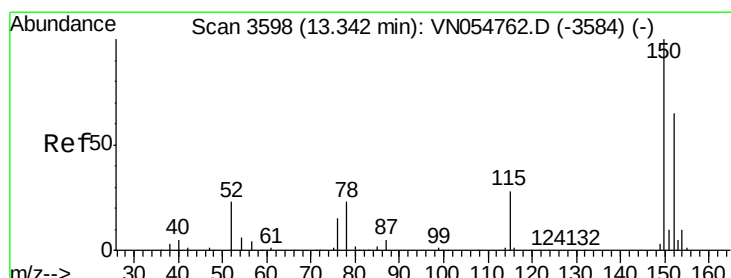
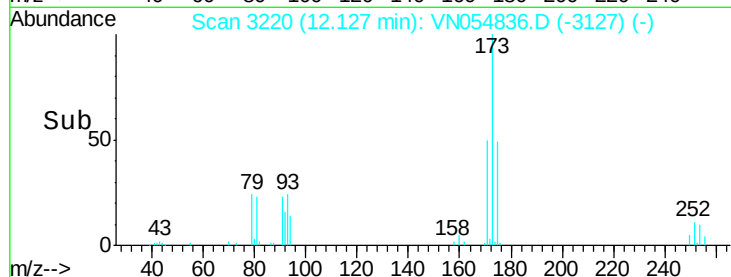
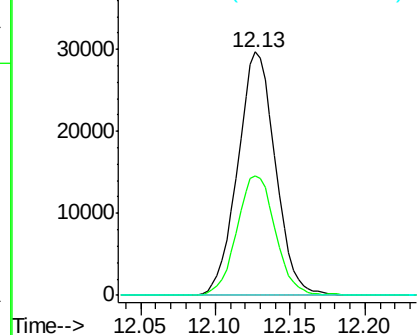
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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4/1/2019 1:31:57 PM

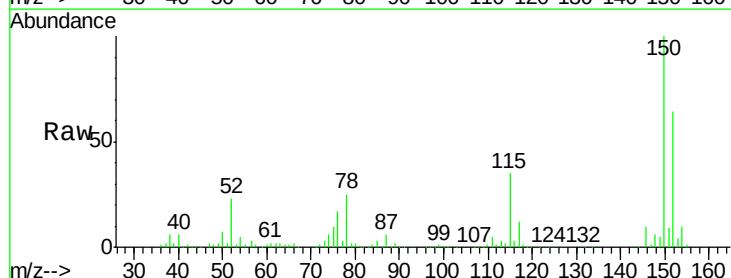


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

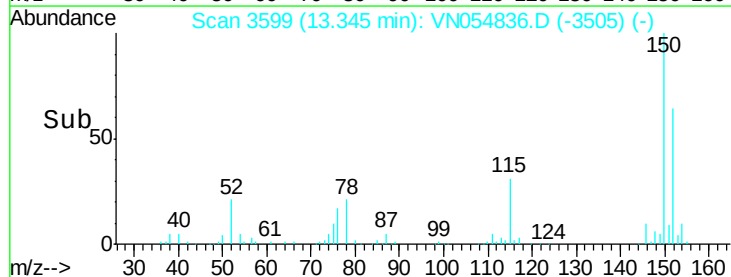
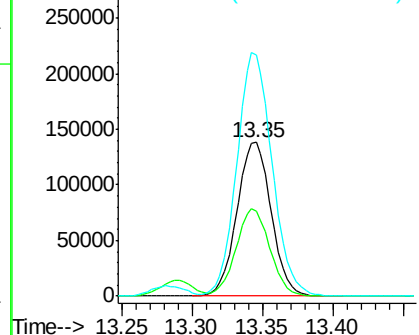


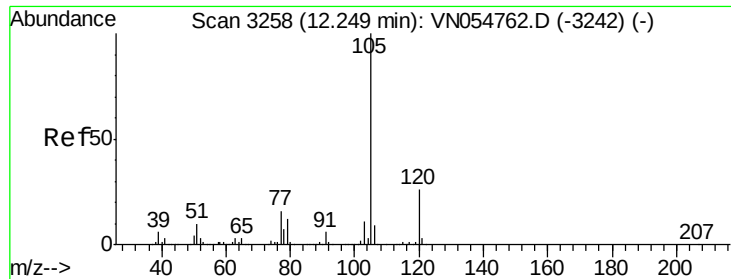
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.2	81.6
150	163.4	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.642 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion: 105 Resp: 396960

Ion Ratio Lower Upper

105 100

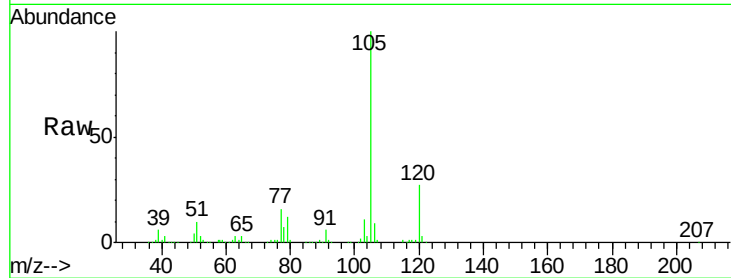
120 26.6 13.8 41.3

Manual Integrations

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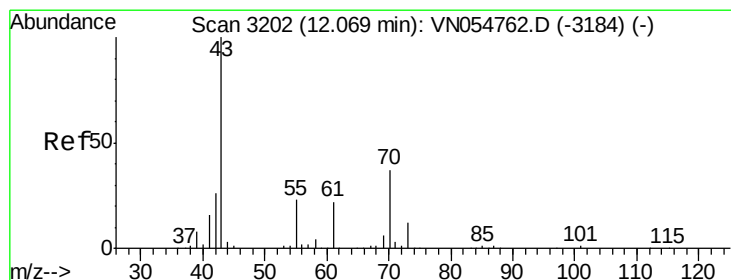
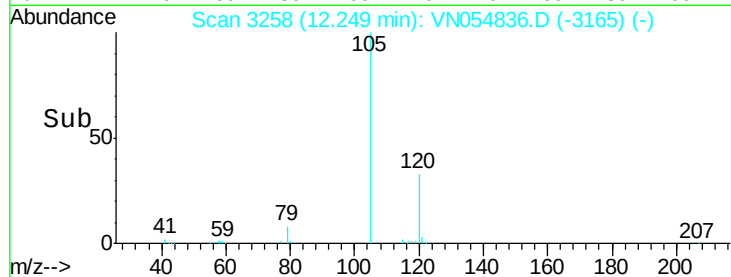
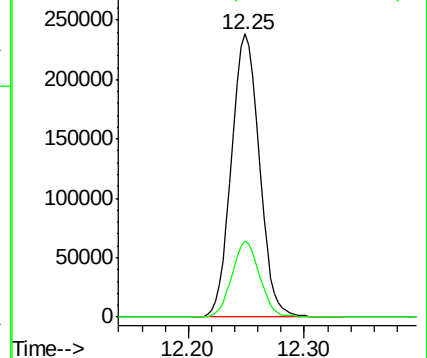
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.525 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 134949

Ion Ratio Lower Upper

43 100

70 35.3 35.4 53.0#

55 23.5 19.8 29.6

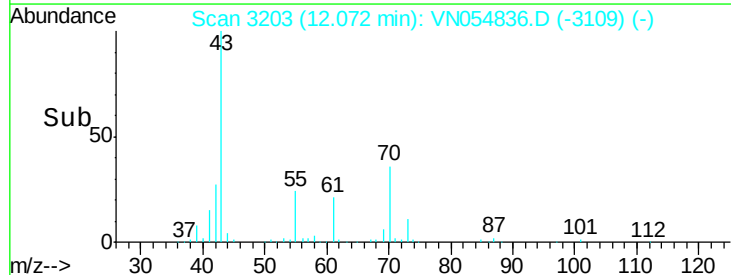
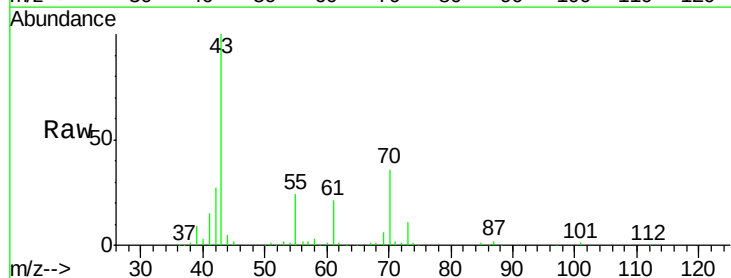
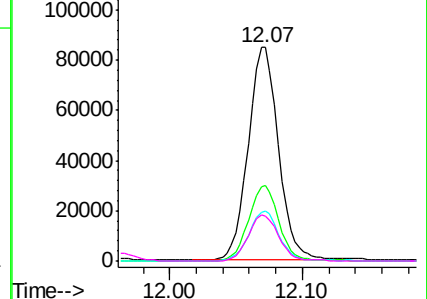
61 21.7 19.8 29.6

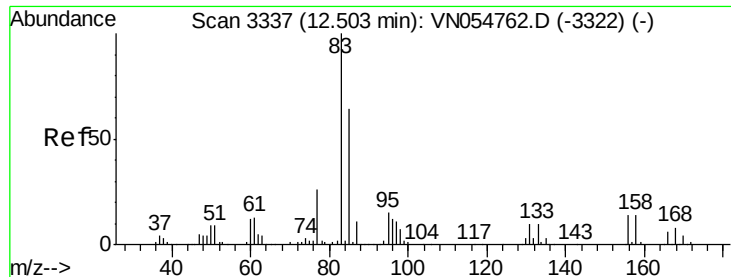
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.525 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

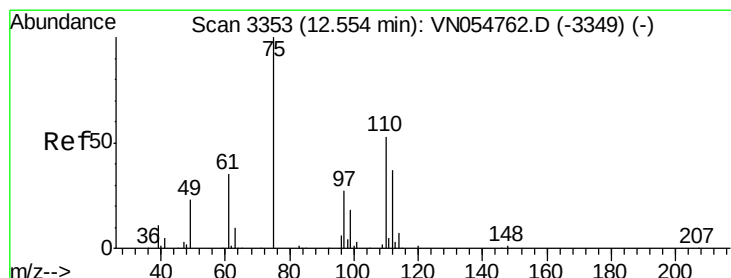
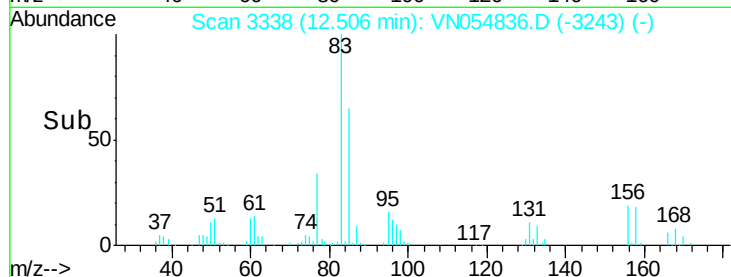
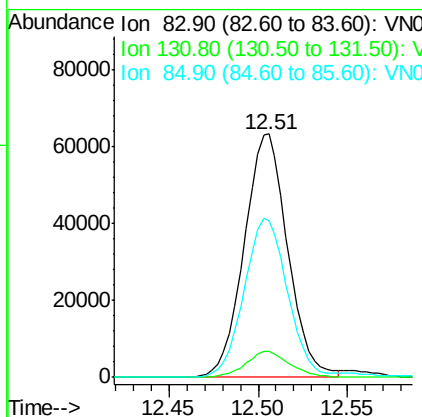
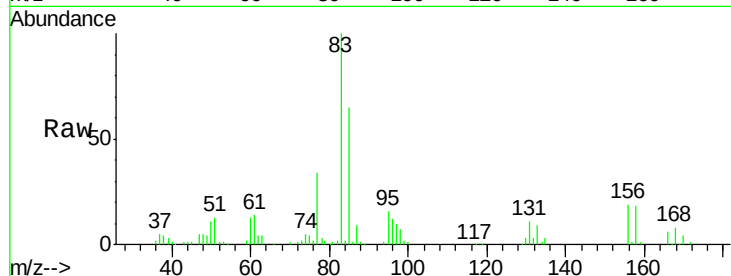
ClientSampleId :

VN0330WBSD02

Tot Ion:	83	Resp:	107670
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.4
85	65.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.948 ug/l m

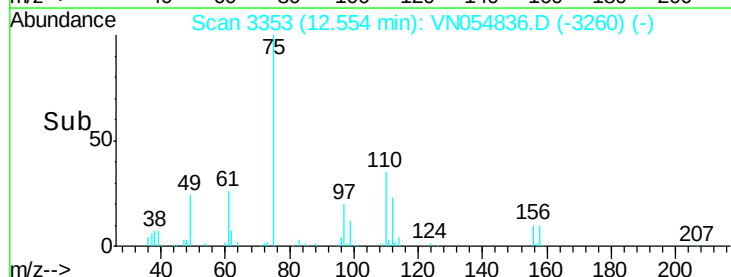
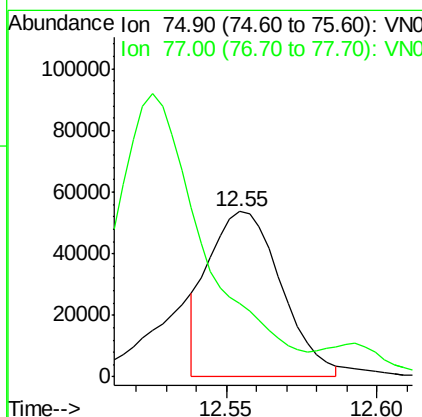
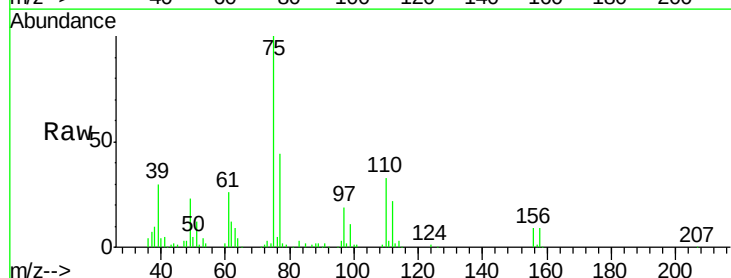
RT: 12.55 min Scan# 3353

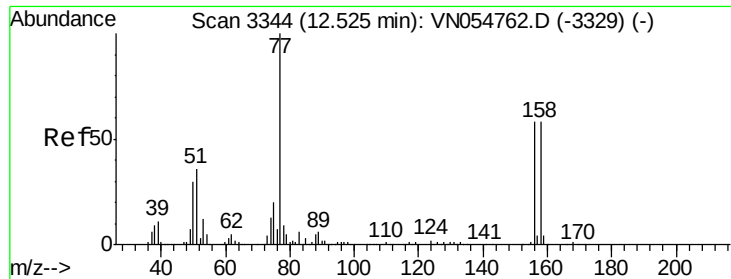
Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	75	Resp:	89709
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.724 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

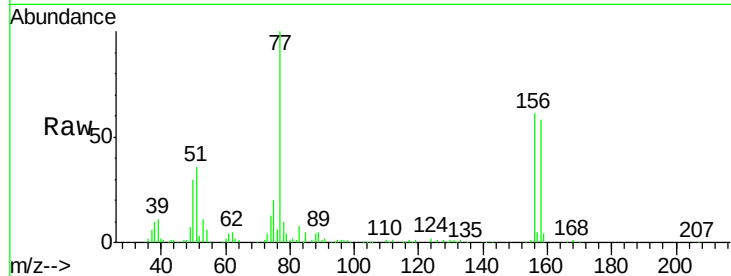
ClientSampleId :

VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.1	81.5	244.4
158	97.5	49.0	147.2

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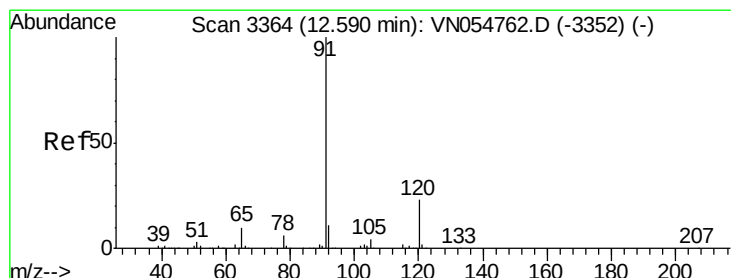
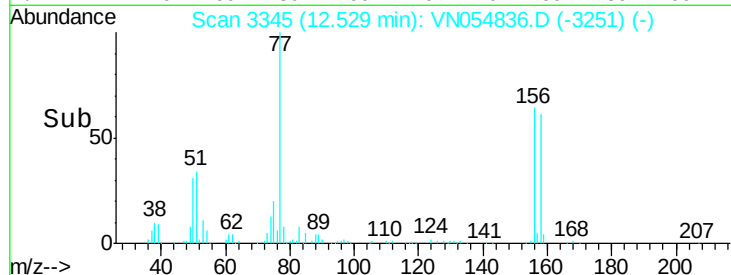
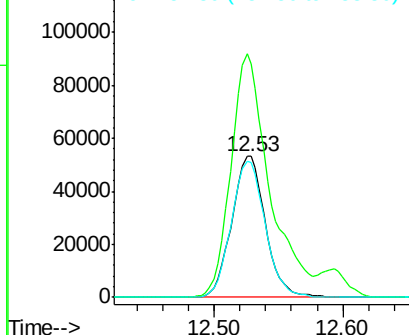


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.987 ug/l

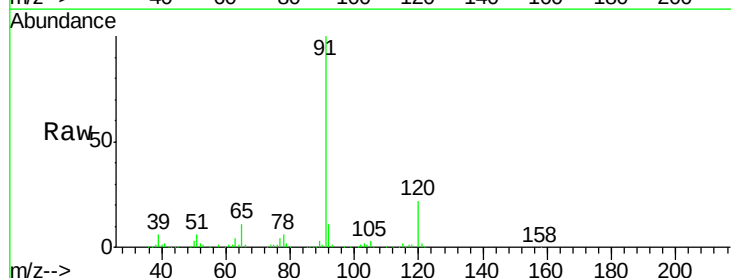
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

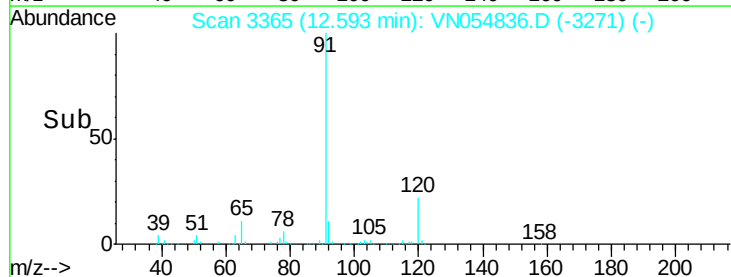
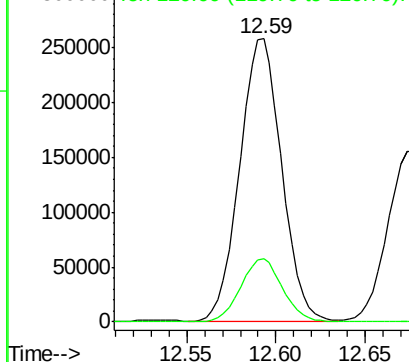
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	12.3	36.9

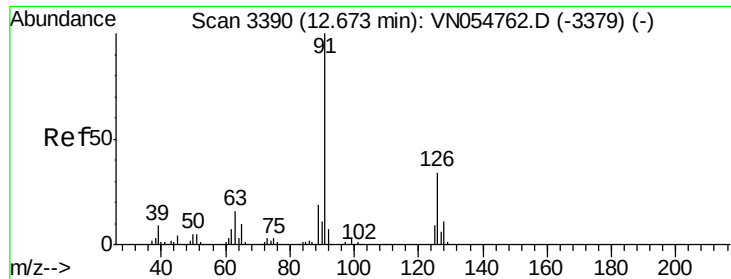


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.477 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

VN0330WBSD02

Tot Ion: 91 Resp: 267770

Ion Ratio Lower Upper

91 100

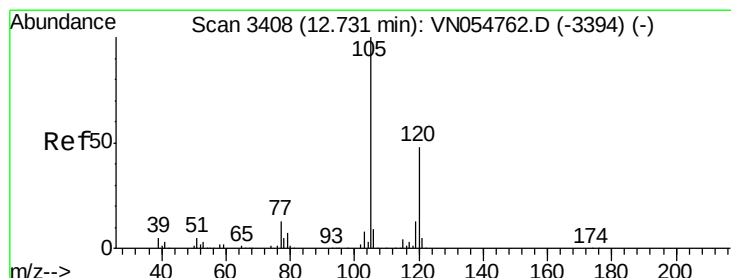
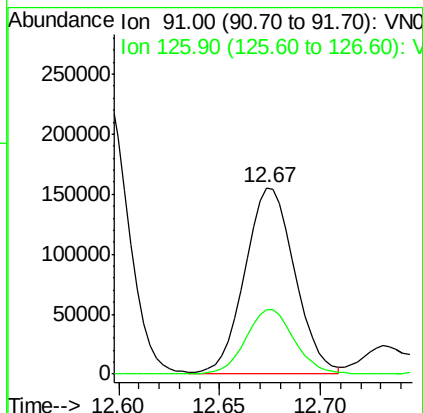
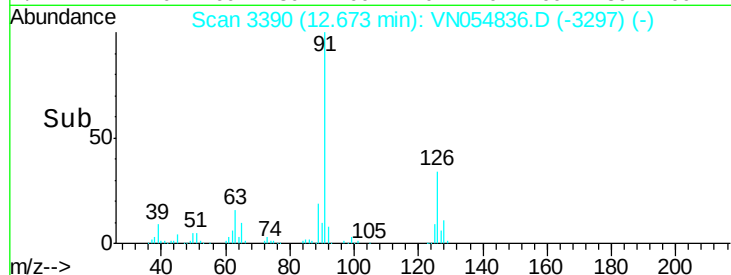
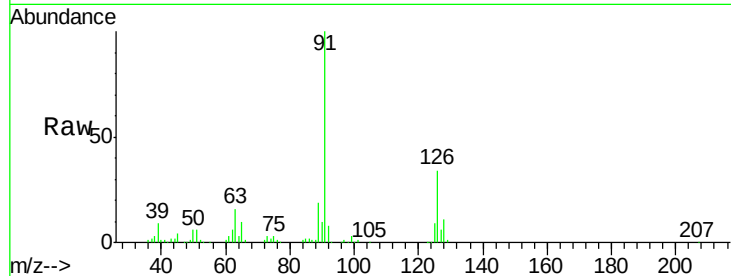
126 34.1 18.7 56.1

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4/1/2019 1:31:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.246 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054836.D

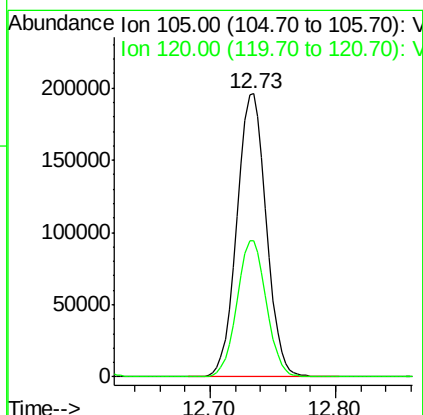
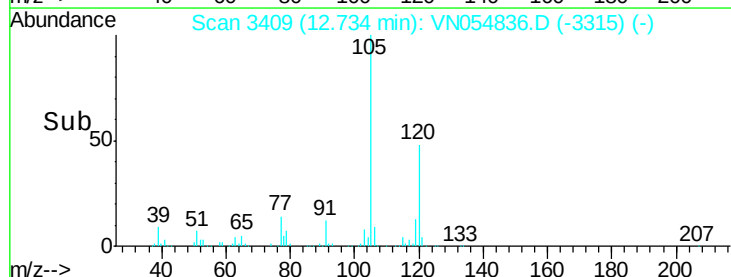
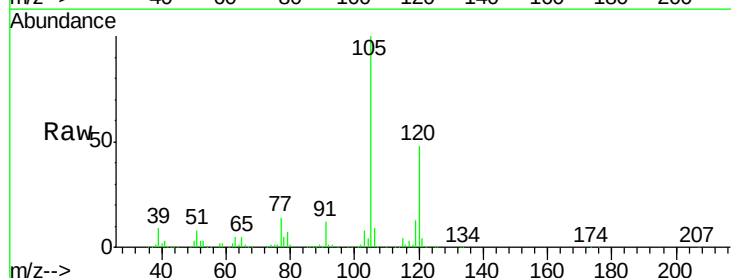
Acq: 31 Mar 2019 7:03

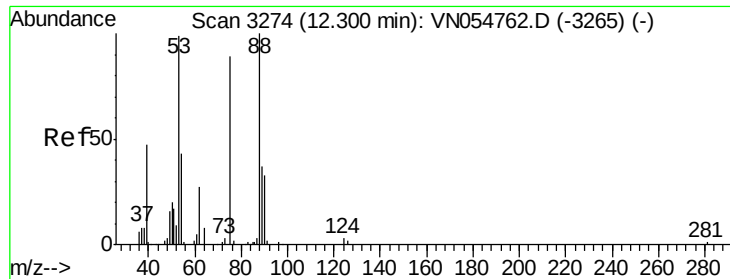
Tgt Ion: 105 Resp: 319471

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.488 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

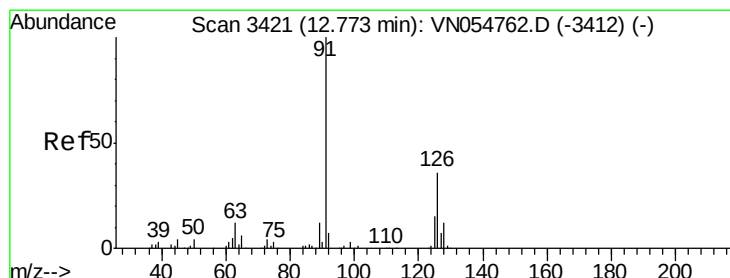
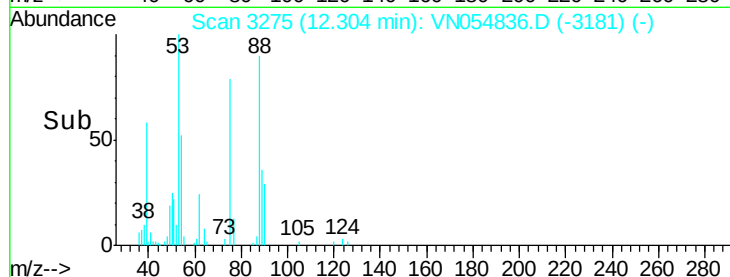
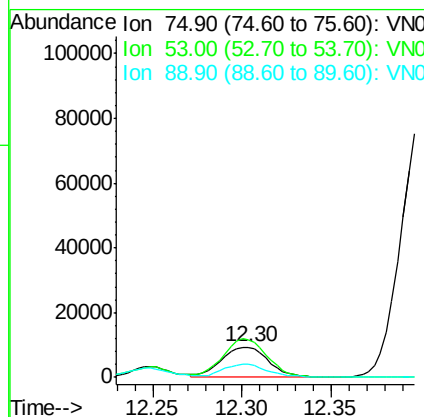
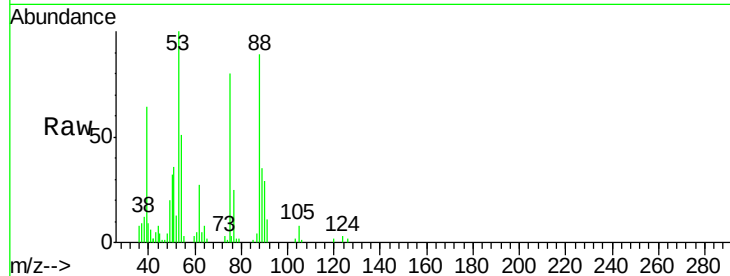
ClientSampleId :

VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.2	76.2	114.2#
89	40.9	39.2	58.8

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4/1/2019 1:31:57 PM



#82

4-Chlorotoluene

Concen: 20.183 ug/l

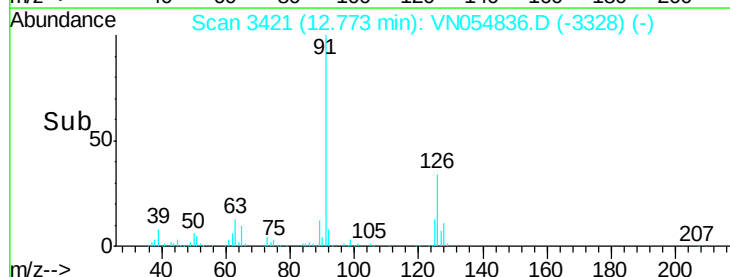
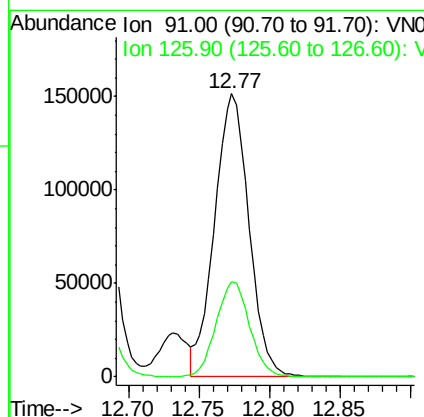
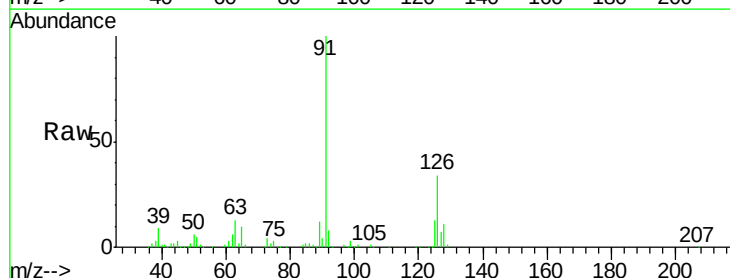
RT: 12.77 min Scan# 3421

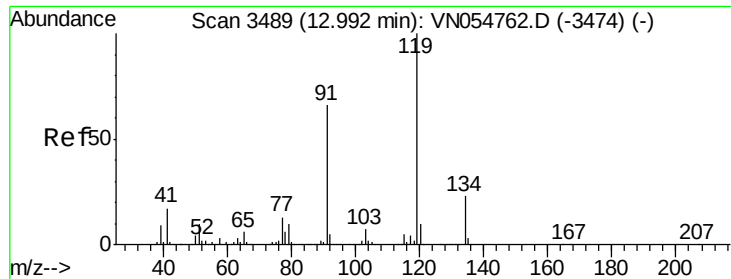
Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





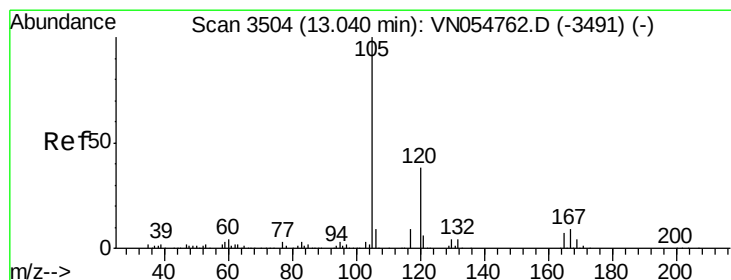
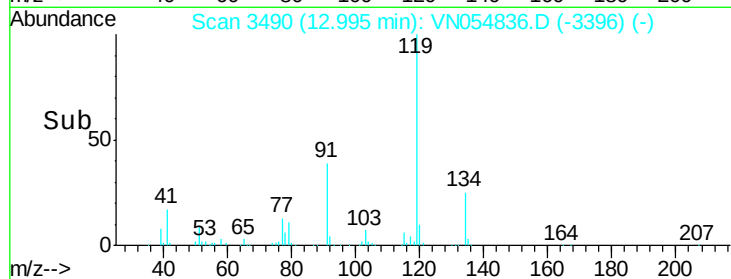
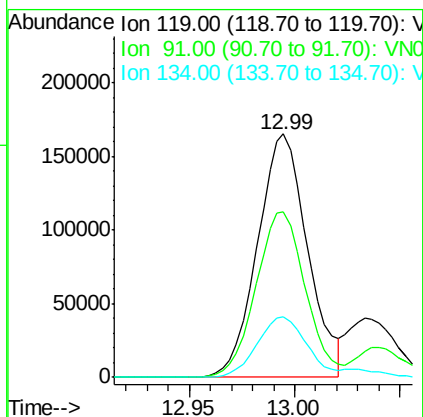
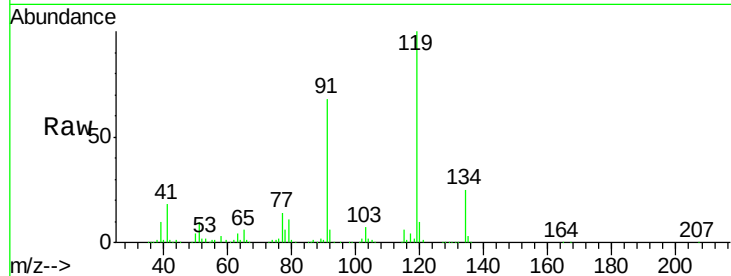
#83
tert-Butylbenzene
Concen: 21.142 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	273213		
91	67.4	30.9	92.8	
134	24.9	13.2	39.6	

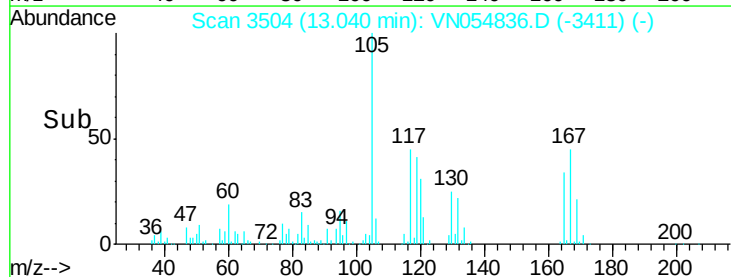
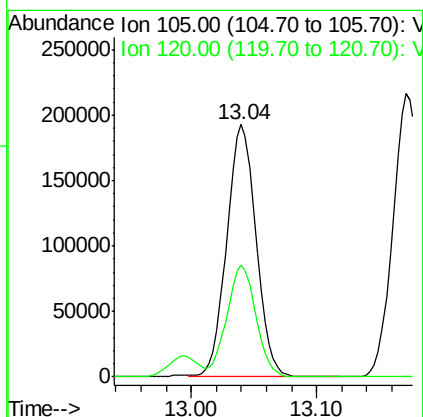
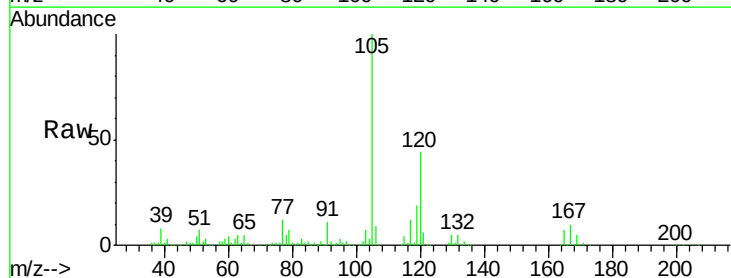
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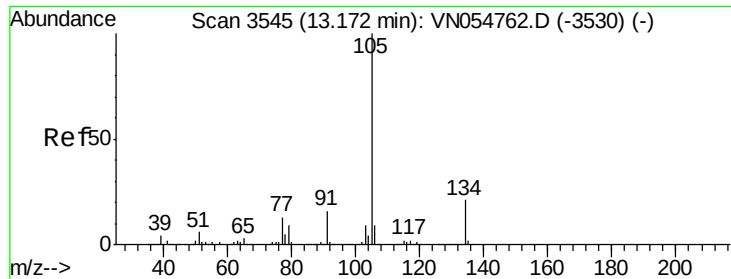
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4/1/2019 1:31:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.790 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	312530		
120	44.0	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.026 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD02

Tot Ion:105 Resp: 343270

Ion Ratio Lower Upper

105 100

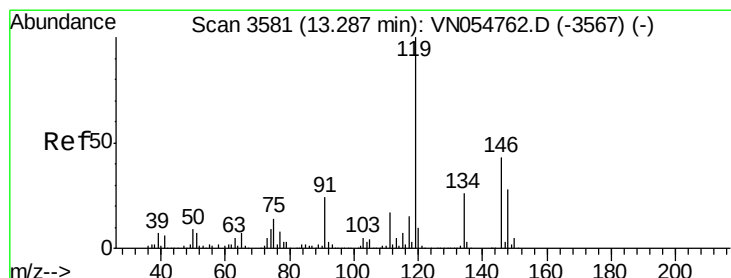
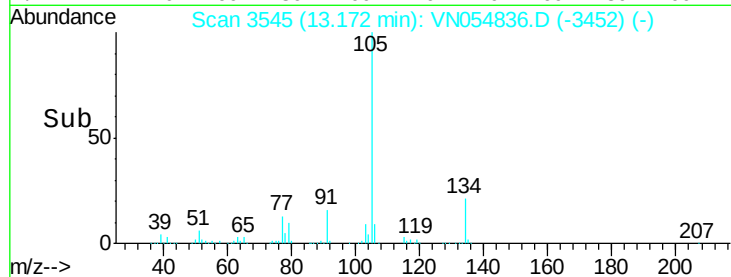
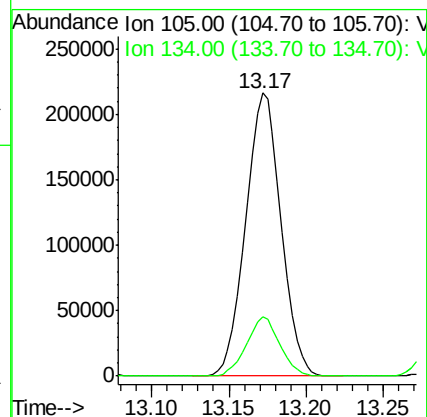
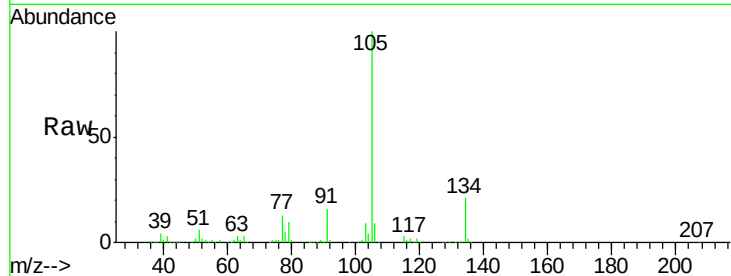
134 19.6 10.7 32.1

Manual Integrations

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4/1/2019 1:31:57 PM



#86

p-Isopropyltoluene

Concen: 19.042 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

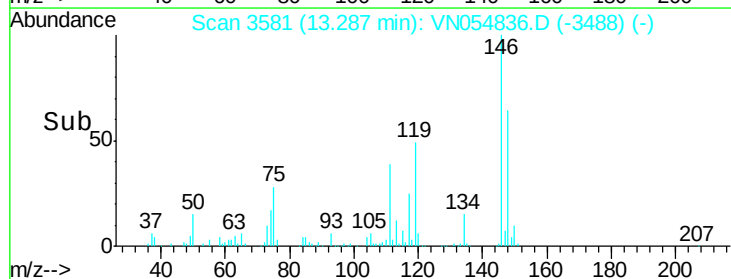
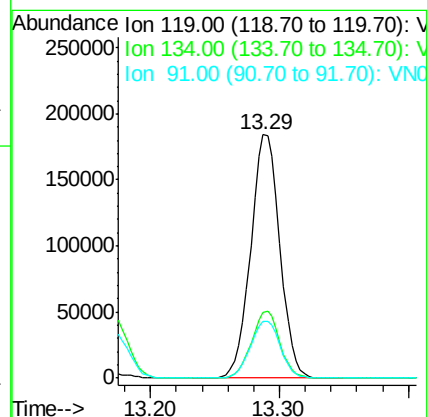
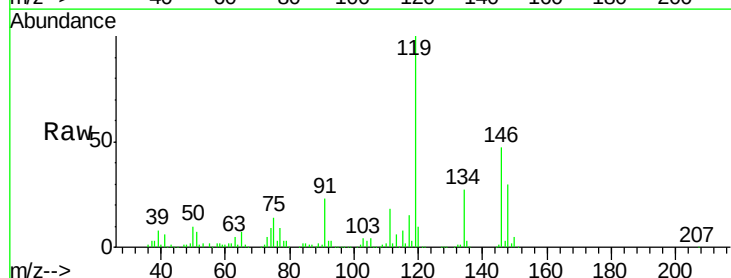
Tgt Ion:119 Resp: 287890

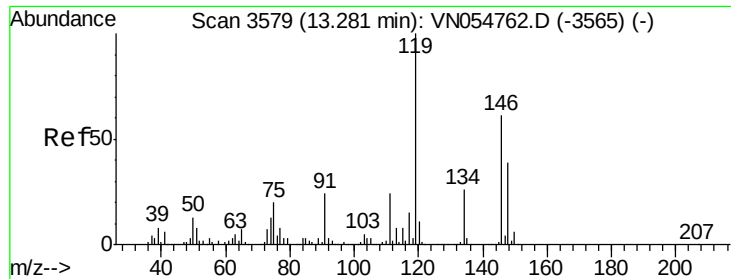
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.2 11.1 33.3





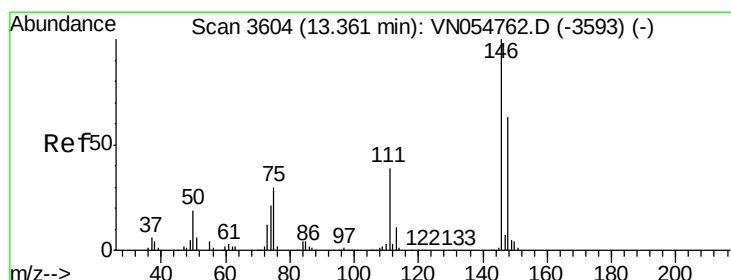
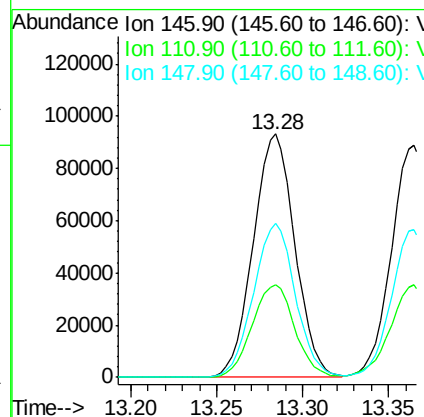
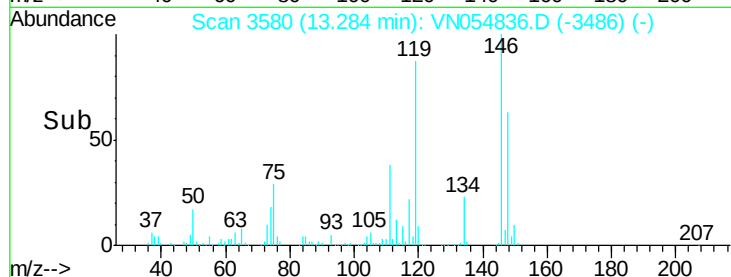
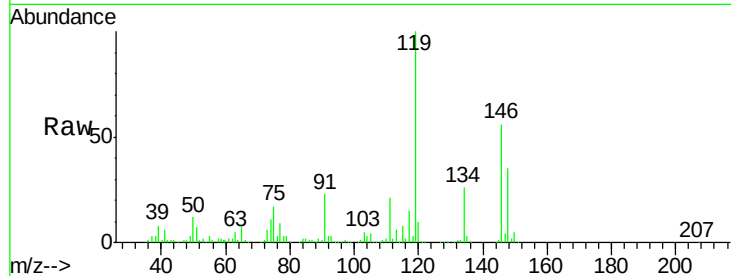
#87
 1,3-Dichlorobenzene
 Concen: 20.167 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156709		
111	39.1	18.8	56.3	
148	63.6	32.2	96.6	

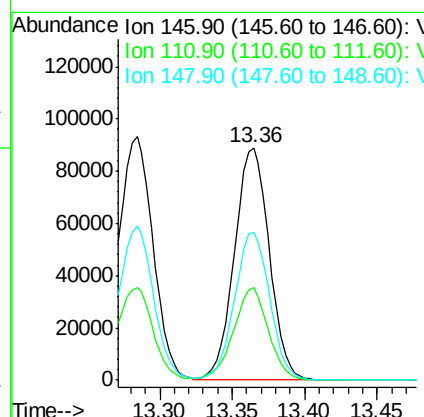
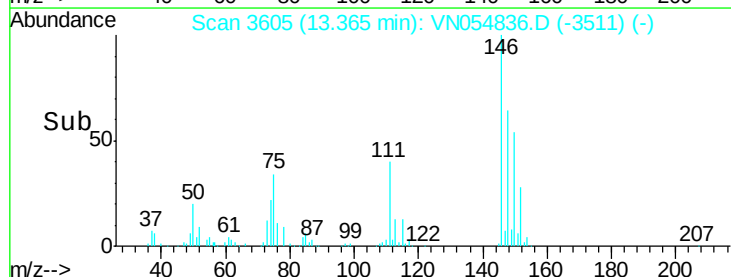
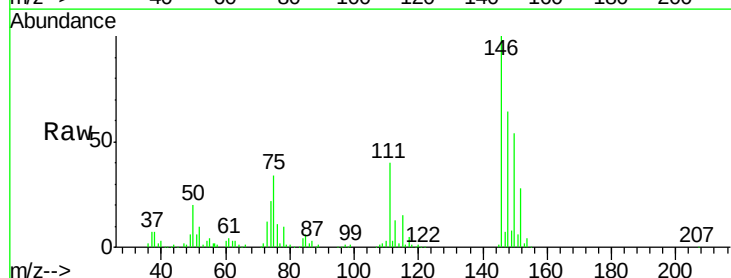
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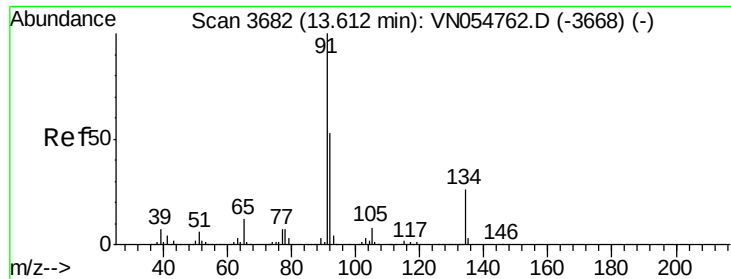
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#88
 1,4-Dichlorobenzene
 Concen: 19.508 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148674		
111	39.8	18.1	54.1	
148	64.2	32.0	96.0	





#89

n-Butylbenzene

Concen: 17.109 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

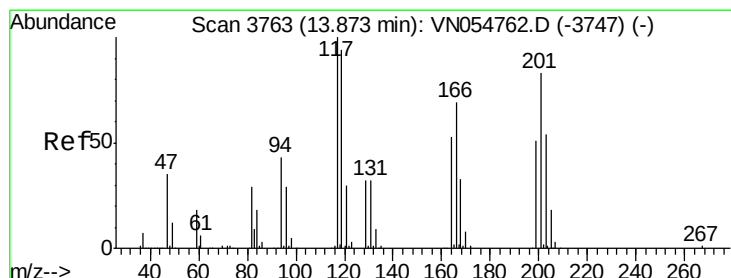
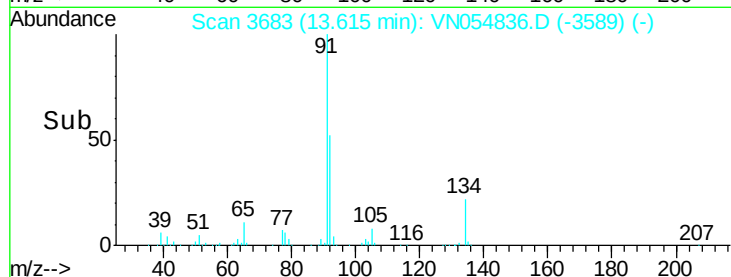
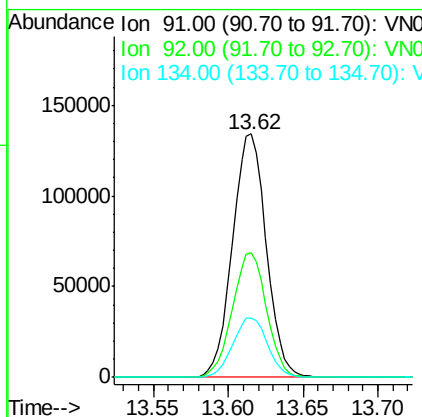
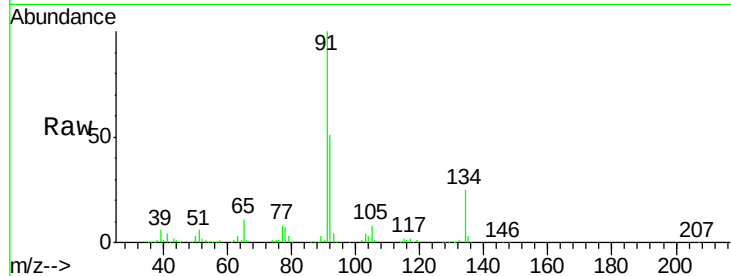
ClientSampleId :

VN0330WBSD02

Tot Ion:	91	Resp:	211035
Ion Ratio	Lower	Upper	
91	100		
92	51.7	26.2	78.6
134	25.2	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 19.144 ug/l

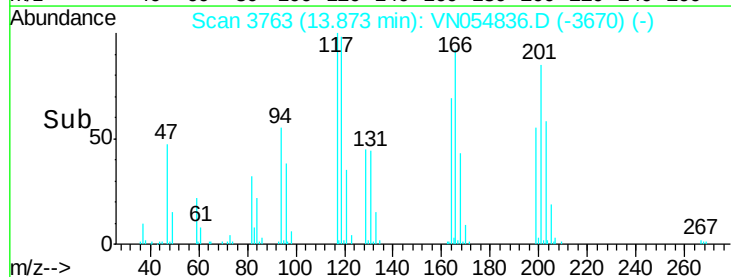
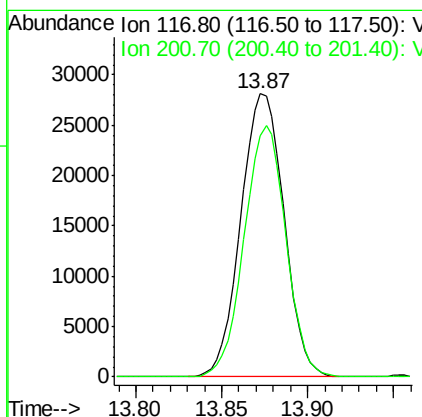
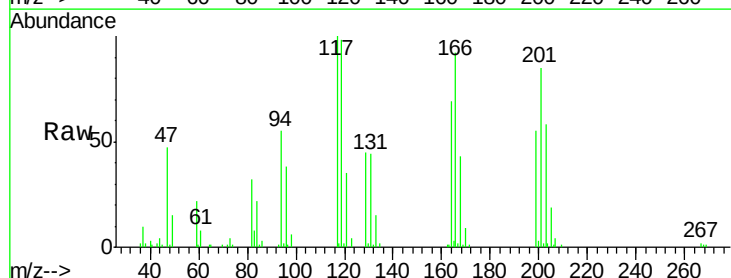
RT: 13.87 min Scan# 3763

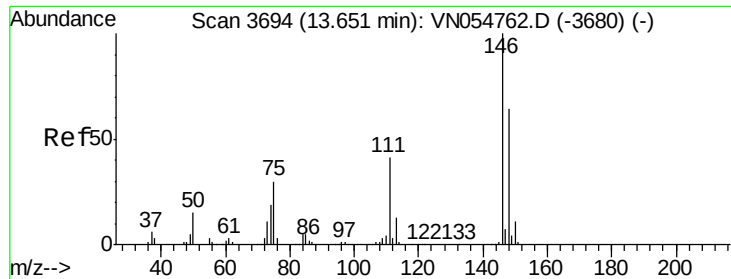
Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	117	Resp:	49140
Ion Ratio	Lower	Upper	
117	100		
201	85.5	48.1	144.4





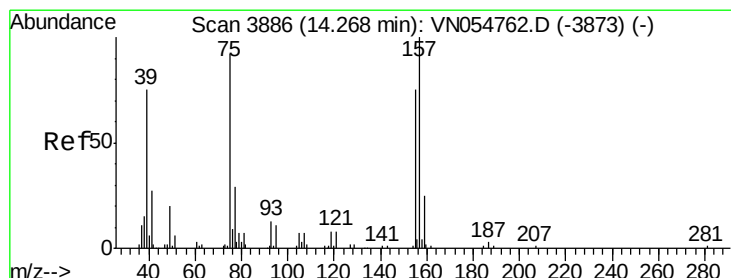
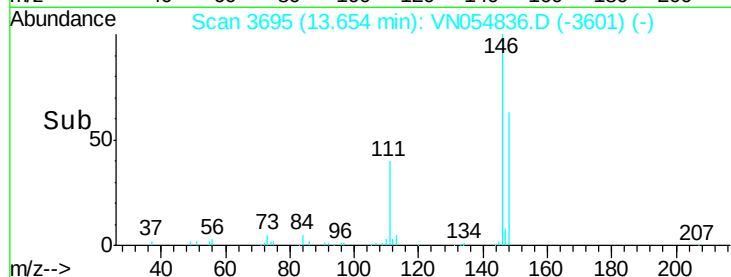
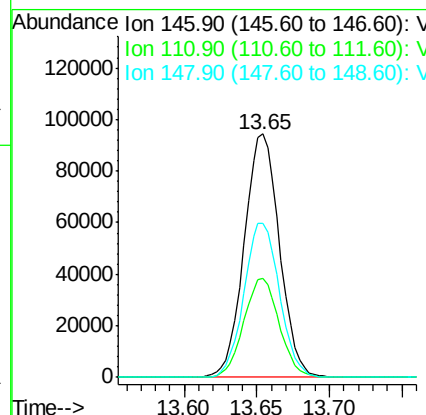
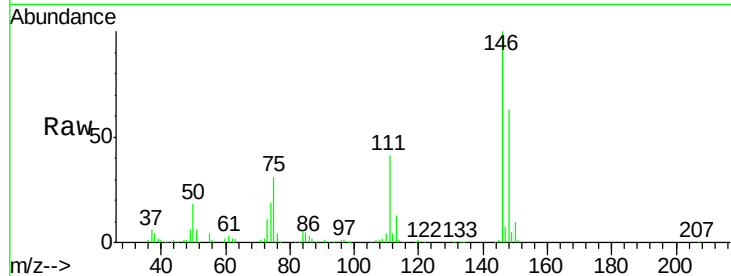
#91
 1,2-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	63.7	32.4	97.0

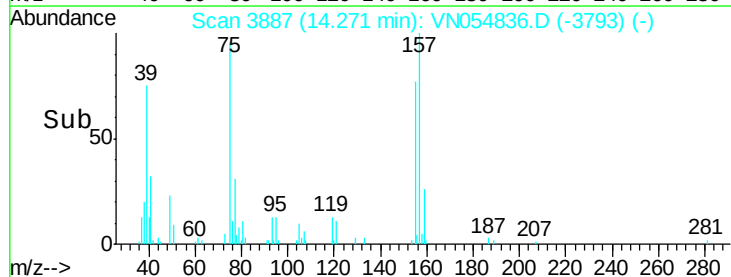
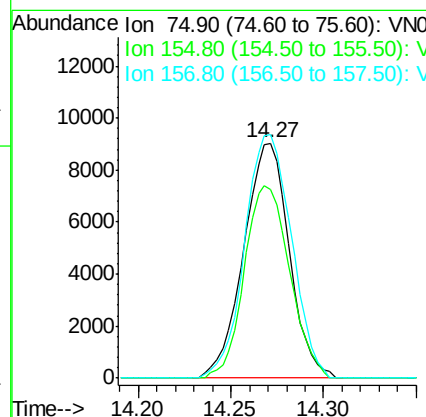
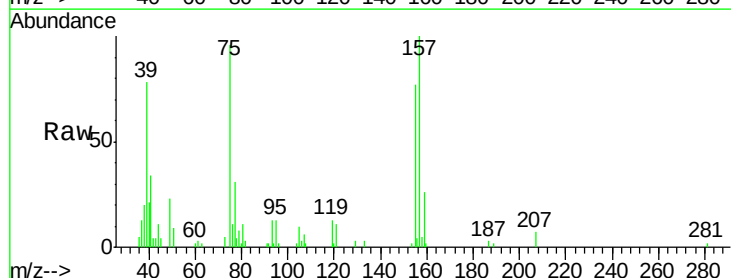
Manual Integrations
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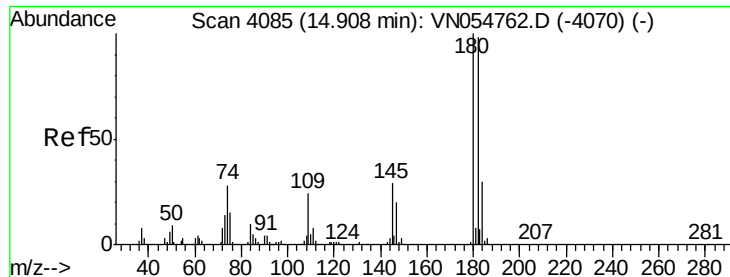
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	50.1	150.3
157	106.4	63.1	189.3





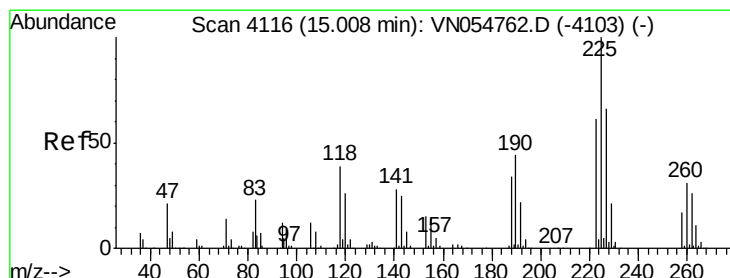
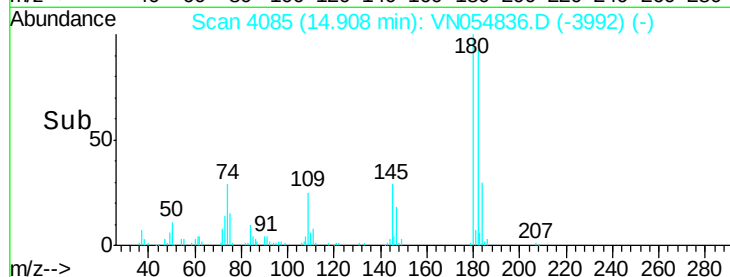
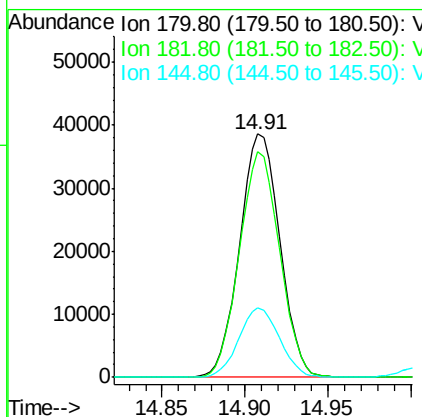
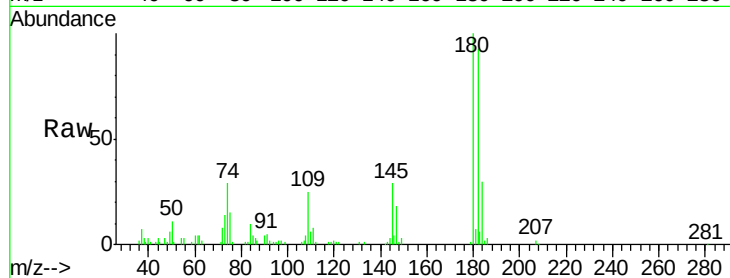
#93
 1,2,4-Trichlorobenzene
 Concen: 17.238 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65174		
182	92.9	48.0	144.2	
145	28.9	14.2	42.8	

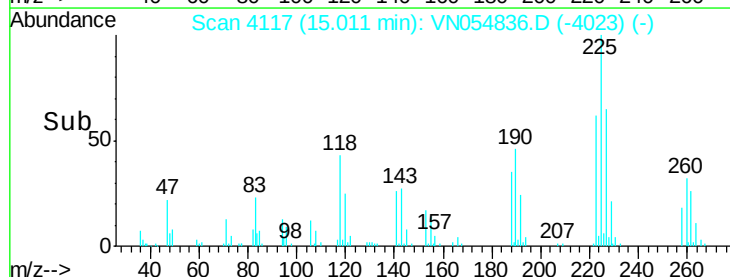
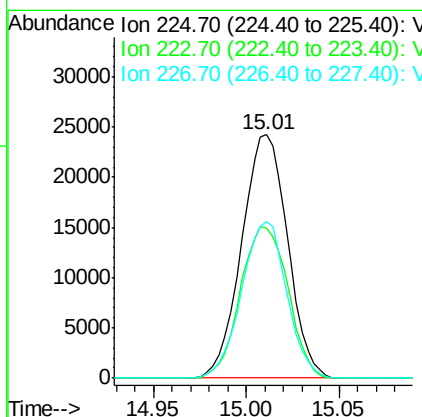
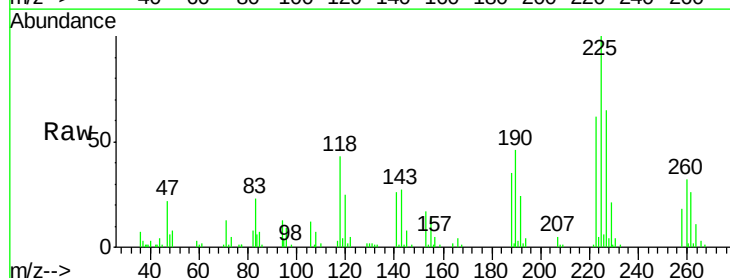
Manual Integrations
 APPROVED

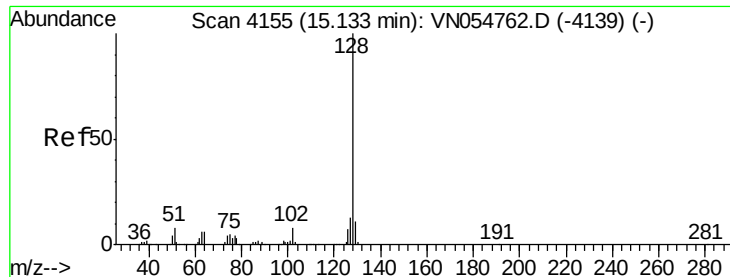
MMDadoda
 4/1/2019 1:31:57 PM



#94
 Hexachlorobutadiene
 Concen: 17.210 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41624		
223	64.2	31.1	93.5	
227	63.3	31.9	95.9	





#95

Naphthalene

Concen: 18.825 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

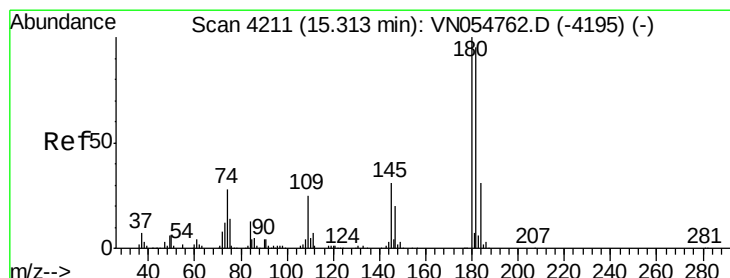
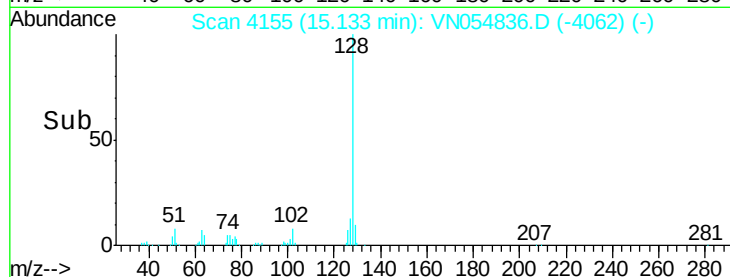
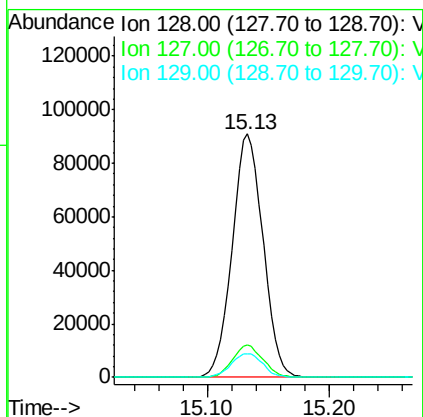
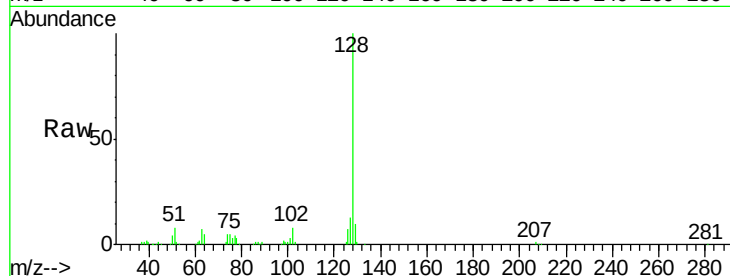
ClientSampleId :

VN0330WBSD02

Tot Ion:	128	Resp:	159629
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:31:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.268 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion:	180	Resp:	69752
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.5	142.6
145	30.2	14.8	44.3

